DESTINY INDUSTRIES MODEL: MFT2437-ME563-620-108

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	CGI	EXTERIOR DOORS	FL16217 R1
B. SLIDING	NA	NA	NA
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	NA	NA	NA
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	CUSTOM WINDOWS	8100 VINYL WINDOW	FL5823.1 R7 / FL 5823.4 R7
3.PANEL WALL			
A. SIDING	JAMES HARDI	HARDI PANELS	FL 13192.1 R4
B.SOFFITS	JAMES HARDI	HARDI SOFFIT PANEL	FL 13265.1 R2
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 R12
B. UNDERLAYMENT	GAP	UNDERLAYMENT	FL 2894.4 R6
C. ROOFING FASTENING	N/A	N/A	N/A
D. ROOF FASTENING	SIMPSON	SIMPSON H8	FL 10446.8 R4
E.METAL ROOF	UNION CORRUGATING	METAL ROOF 5V	FL 7271.5 R3
F. ROOFING TILES	NA	NA	NA
G.ROOFING INSULATION	KNAUF	ROLLED INSULATION	N/A
H. WATERPROOFING	TARCO	ICE AND SHEILD ARMOR	FL 10450 R8
I.BUILT UP ROOFING ROOF SYSTEMS	NA	NA	NA
J. RIDGE VENT	GAF	RIDGE VENT	FL6267-R10
K. SGL PLY ROOF SYSTEM	NA	NA	NA
L. ROOFING SLATE	NA	NA	NA

M. CEMENTS-ADHESIVES COATING	DAP	TAR IN TUBE	N/A
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 10852.6 R3
B. TRUSS PLATES	N/A	N/A	N/A
C. ENGINEERED LUMBER	WEYESHAUSER	LVL BEAM	FL 6527.2 R6
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	na
K. WALL	NA	NA	NA
L. SHEDS	NA	NA	NA
M. OTHER	NA	NA	NA
8.NEW EXTERIOR ENVELOPE PRODUCTS			
A.			
B.			

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 manufactures installation requirements. Further I. understand these products may have been removed if approval cannot be demonstrated during inspection.

APPLICANT SIGNATURE X_____ DATE : _____

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

APPROVED BY NTA INC.

Const. Type: VB-unprotected
Occupancy: R3
Allowable No. of Floors: 1
Wind Velocity: 180 MPH Vult,139 MPH Vasd
Fire Rating of Ext. Walls: 0 Hr
Plan No.: MET2437-ME563-620-108
Allow. Floor Load: 40 PSF
Approval Date: 8/25/2016
Manufacturer: Destiny Industries, LLC

STATE CODES:

FLORIDA

5th EDITION (2014) FL BUILDING CODE RESIDENTIAL W/2016 SUPP.
5th EDITION (2014) FL BUILDING CODE ENERGY CON. W/2016 SUPP.
5th EDITION (2014) FLORIDA BUILDING CODE MECHANICAL
2011 NATIONAL ELECTRICAL CODE
5th EDITION (2014) FLORIDA BUILDING CODE PLUMBING

THIS DRAWING COMPLIES WITH 61G20-3.006 (PRODUCT VALIDATION)

BUILDING INFORMATION

CONSTRUCTION TYPE:	WOOD FRAME
TOTAL S.F.:	1680
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:	R-3 RESIDENTIAL
WIND LOAD DESIGN:	180 MPH (VULT) 139 MPH (VASD)
EXPOSURE:	D
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)
IMPORTANCE FACTOR	1.0
MEAN ROOF HEIGHT	22 FT

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

Const. Type:	VB-unprotected
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Fire Rating of Ext. Walls:	0 Hr
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D.W.P. FOR C/C PSF

PR-ROOF C&C LOAD (EA-50)
WIND SPEED 180 VULT (139 VASD)
ZONE 1 32.2 psf -114.2 psf
ZONE 2 32.2 psf -129.1 psf
ZONE 3 32.2 psf -172.8 psf
ROOF OVERHANG (EA-10)
ZONE 2 -131.7 psf
ZONE 3 -183.8 psf
PW-WALL C&C LOAD, WALLS & DOOR (EA-10)
ZONE 4 55.9 psf -60.6 psf
ZONE 5 55.9 psf -74.9 psf

PRESSURES SHOWN ARE ALLOWABLE STRENGTH PRESSURES

NIE INC

MECHANICAL NOTES:

1. ALL SUPPLY REGISTERS ARE ADJUSTABLE, EXCEPT WHERE OTHERWISE SPECIFIED.
2. INTERIOR DOORS SHALL BE UNDERCUT 1.5 ABOVED 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.

MIN. 5.6 SQUARE FEET NET FREE AREA OF ATTIC VENTILATION TO BE PROVIDED BY SOFFIT AND RIDGE VENTS/ROOF VENTS.

MIN. 11.2 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 UNCONDITIONAL 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 PROCTECTION 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 GFI'S

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 MIRRORED.

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 COMPATIBILITY WITH THE FOUNDATION DESIGN.

ENGINEER SEAL

ERIK J. MYERS
LICENSE
No 77316
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Aug 25, 2016

NOTE:
THE PURCHASER IS RESPONSIBLE TO INSURE THE ATTACHED PLANS CONFORM TO LOCAL ORIDINANCES 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.
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 8/25/2016 CERT. NO SMP015
PLAN NUMBER MFT2437-ME563-620-108
APPROVED BY

(signature)

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 2011 NEC.
14. PROVIDE TAMPER RESISTANT RECEPTACLES IN ACCORDANCE WITH SECTION 406.11 IN 2011 NEC.

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

DATE:	4/25/2016
CODES:	2014 FBC
LABELS:	FL
SCALE:	NTS

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

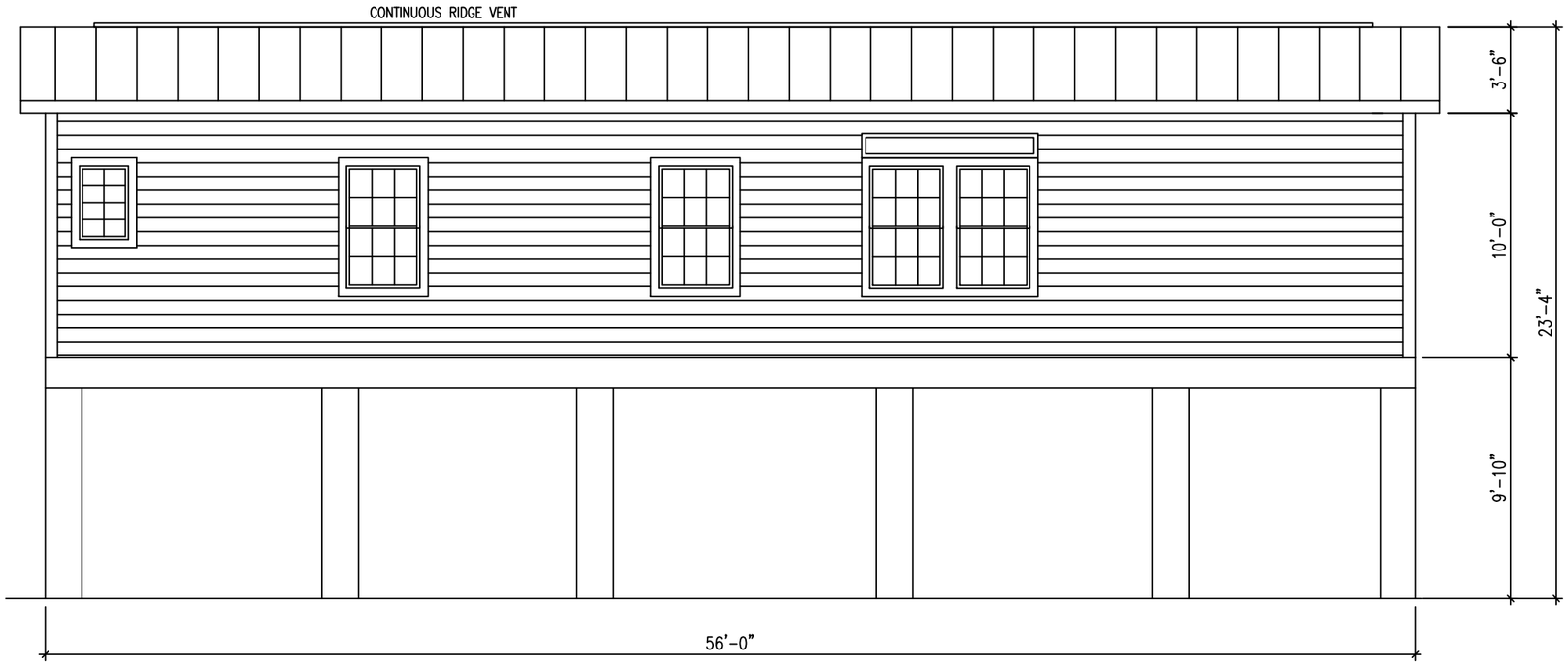
MODEL: MFT2437-ME563-620-108
DRAWN BY: LARRY K.
DRAWING: COVER/NOTE PAGE
SHEET 1

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

ERIK J. MYERS
LICENSE
No 77316
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Aug 25, 2016

FRONT EXTERIOR



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

APPROVED BY NTA INC.

Const. Type:	VB-unprotected
Occupancy:	R3
Allowable No. of Floors:	1
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Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

THE FBC CODE REQUIRES THAT ALL BUILDINGS LOCATED IN AREAS WITH WIND SPEEDS EQUAL TO OR GREATER THAN 140 MPH AND ALL BUILDINGS LOCATED IN AREAS WITH WIND SPEEDS EQUAL TO OR GREATER THAN 130 MPH WHICH ARE WITHIN ONE MILE OF A HURRICANE PRONE COAST LINE BE PROVIDED WITH EITHER OF THE FOLLOWING:

(1) IMPACT RESISTANT GLAZING COMPLYING WITH THE SSTD12, ASTM E 1886 AND/OR ASTM E 1996.

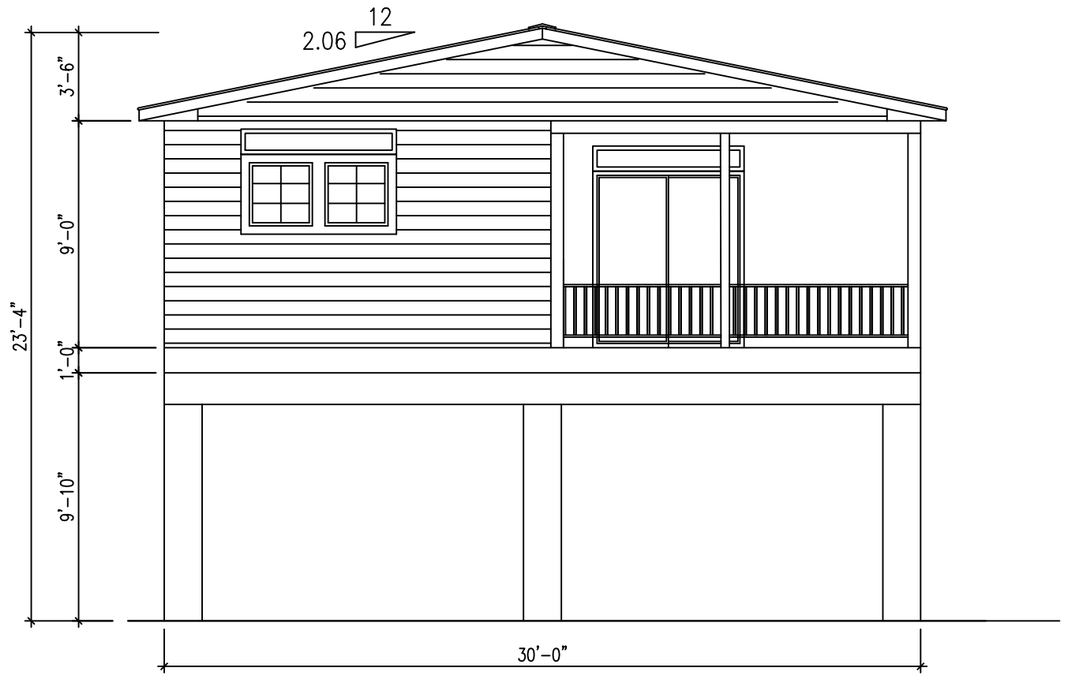
(2) STORM PROTECTION WOOD PANLES {I.E. MIN. 7/16" OSB OR PLYWOOD} PRECUT TO FIT THE GLAZING OPENING WITH THE ATTACHMENT HARDWARE PROVIDED. THE PROTECTIVE PANELS MUST BE INSTALLED IN ACCORDANCE WITH THE FASTENING SCHEDULE PROVIDED IN TABLE 301.2.1.2 FOR WINDSPEEDS EXCEEDING 130 MPH OR THE ATTACHMENTS MUST BE DESIGNED TO RESIST THE COMPONENT AND CLADDING LOADS SPECIFIED PER R301.2.2 AND FOR HEIGHTS NOT TO EXCEED 30FT MEAN ROOF HEIGHT.

NOTE: THE STORM PROTECTIVE PANELS MAY BE PROVIDED BY THE LOCAL CONTRACTOR OR INSTALLER RATHER THAN THE BUILDING MANUFACTURER.

IN ADDITION, EXTERIOR WINDOWS AND DOORS MUST BE DESIGNED TO RESIST THE DESIGN WIND LOADS SPECIFIED IN TABLE R301.2.2 OF THE FBC CODE ADJUSTED FOR HEIGHT & EXPOSURE PER TABLE R301.2.3 OF THE FBC CODE.

ALL EXTERIOR WINDOWS AND GLASS DOORS MUST BE TESTED AND APPROVED BY AN APPROVED INDEPENDANT LABORATORY AND BEAR A LABEL INDICATING COMPLIANCE WITH AAMA/NWWDA 101/I.S.2.

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 WITH LOCAL CODES REQUIREMENTS AND INSPECTIONS.



RIGHT EXTERIOR

ATTIC VENTILATION:
CEILING INLET: (26.67X56)X144 = 215066 SQ.IN.
REQUIRED INLET AREA: (.5X107533)/300 = 358.44 SQ.IN.
PROVIDED INLET AREA: (52X2)5 = 520 SQ.IN
520 SQ.IN > 358.44 SQ.IN THEREFORE OK

REQUIRED OUTLET AREA: (.5X107533)/300 = 358.44 SQ.IN.
RIDGE VENT = 15 SQ.IN. PER FOOT OF AIR FLOW
SOFFIT = 5 SQ. IN PER FOOT OF AIR FLOW
23.88 FT OF RIDGE VENT REQUIRED
71.66 FT OF SOFFIT VENT REQUIRED

Destiny Industries, LLC

250 RW BRYANT ROAD
MOULTRIE, GA 31778

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

DATE:	4/25/2016
CODES:	2014 FBC
LABELS:	FL
SCALE:	NTS

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

MODEL: MFT2437-ME563-620-108

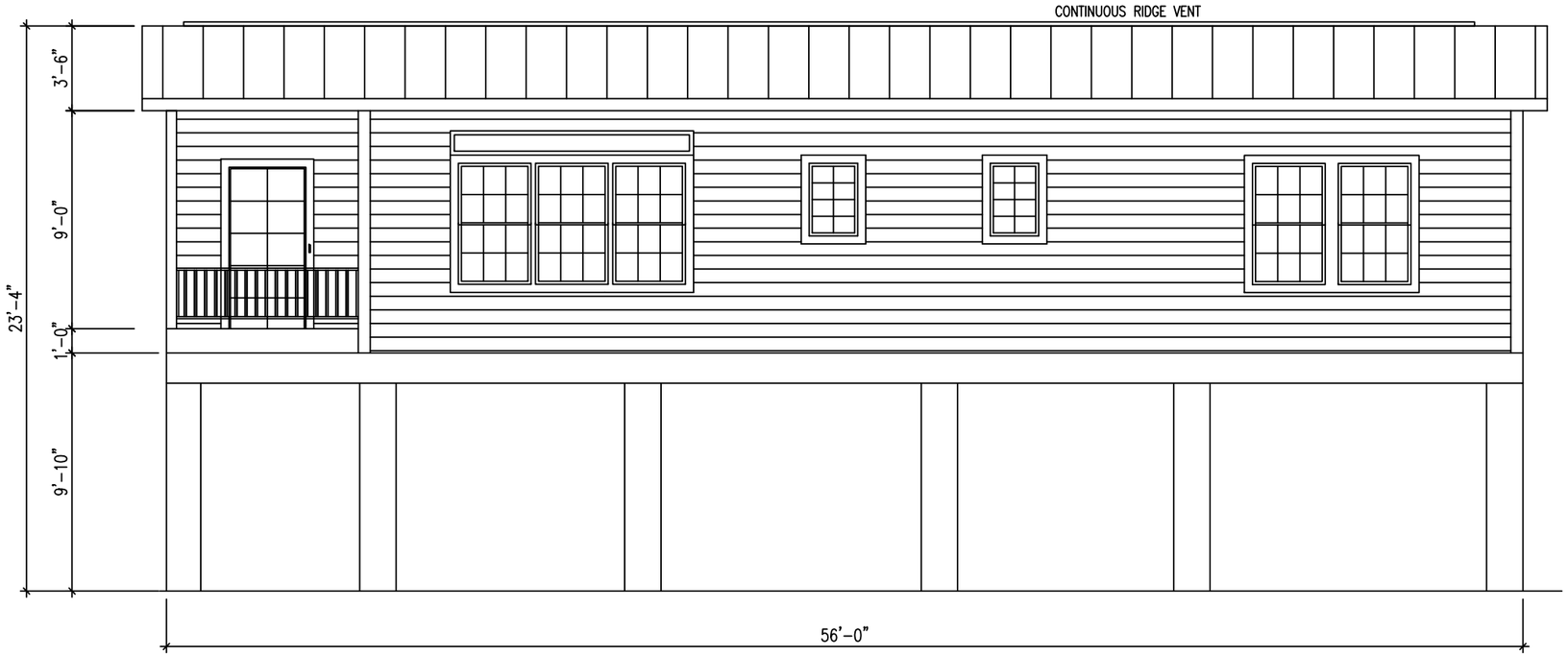
DRAWN BY: LARRY K.

DRAWING: EXTERIOR ELEVATION

SHEET 2

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

REAR EXTERIOR



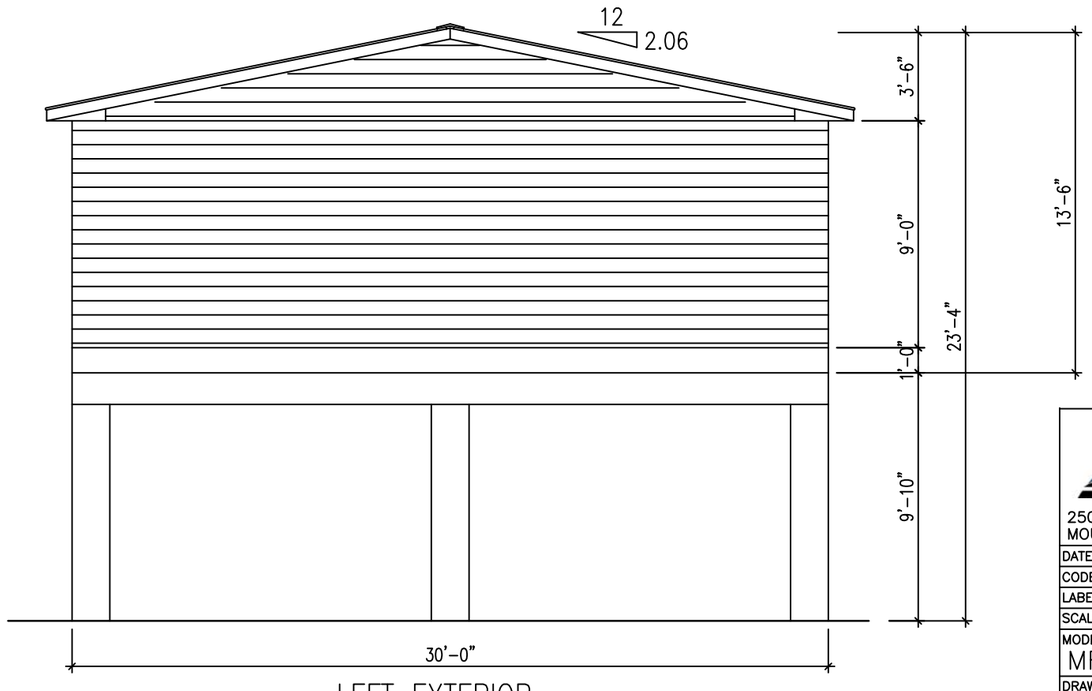
ERIK J. MYERS
LICENSE
No 77316
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Aug 25, 2016

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

APPROVED BY NTA INC.

Const. Type:	VB-unprotected
Occupancy:	R3
Allowable No. of Floors:	1
Wind Velocity:	180 MPH Ult.139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MFT2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
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 WITH LOCAL CODES REQUIREMENTS AND INSPECTIONS.

Destiny Industries, LLC

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

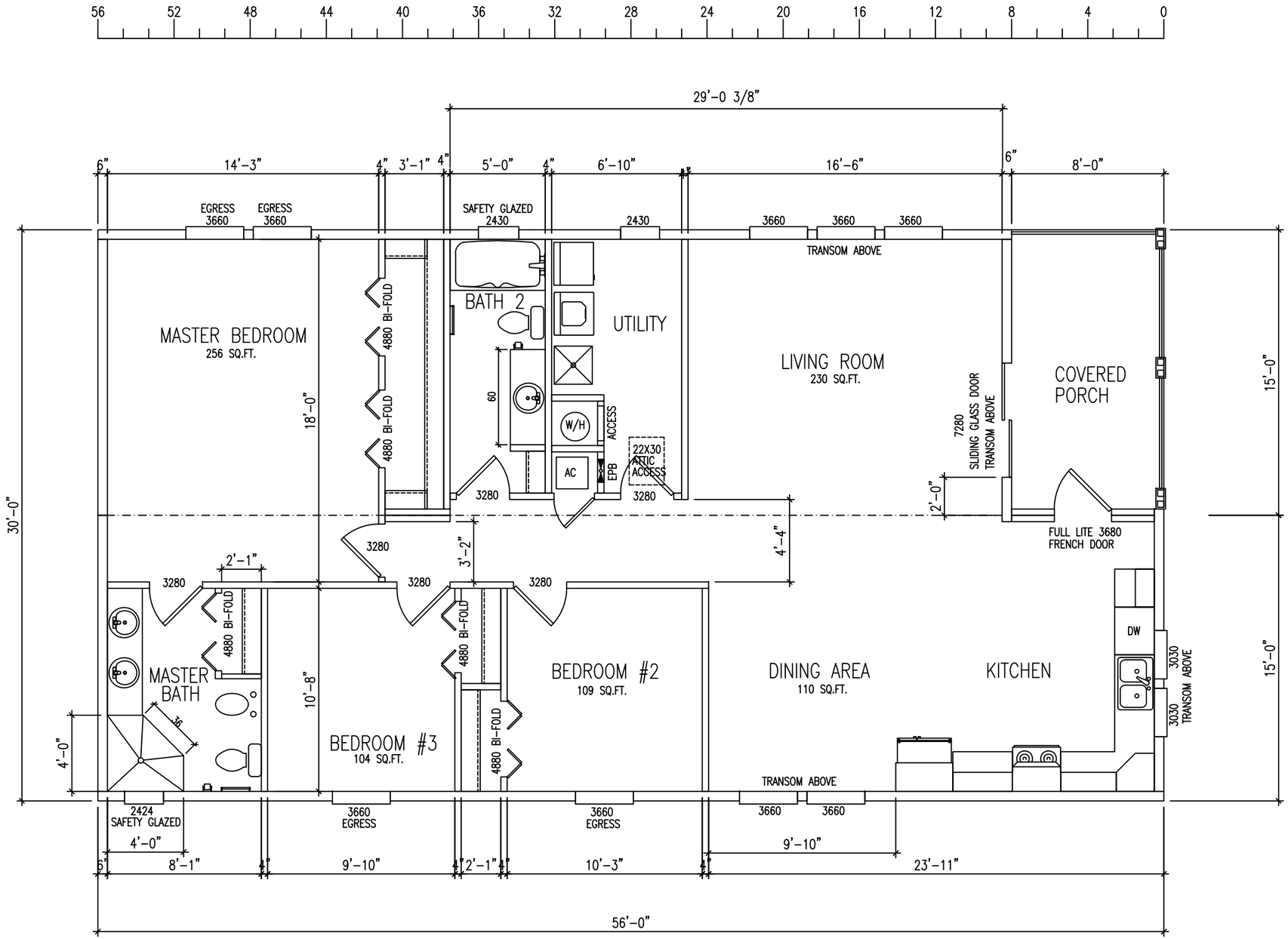
MODEL: MFT2437-ME563-620-108

DRAWN BY: LARRY K.

DRAWING: EXTERIOR ELEVATION

SHEET 3

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



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Fire Rating of Ext. Walls:	0 Hr.
Plan No.:	MFT2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

*ART. LIGHT AND VENT PROVIDED

LIGHT/VENT CHART	FLOOR AREA SQ. FT.	LIGHT REQUIRED	VENT REQUIRED
		PROVIDED	PROVIDED
MASTER BEDROOM	256	20.2	10.1
		26.40	12.92
BEDROOM 2	109	9.1	4.5
		13.20	6.46
BEDROOM 3	104	8.6	4.3
		13.20	6.46
LIVING ROOM	230	18.4	9.2
		39.60	19.38
KITCHEN/DR	270	21.60	10.80
		*37.40	*18.7

WINDOW SCHEDULE

WIDTH	HEIGHT	TYPE	LIGHT SQ FT	VENT SQ FT
30"	36"	SINGLE HUNG	6.19	2.05
30"	60"	SINGLE HUNG	10.88	5.35
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

1680 TOTAL SQUARE FOOTAGE
1563 HEATED & COOLED

202 SQ FT GLAZING

Destiny Industries, LLC

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

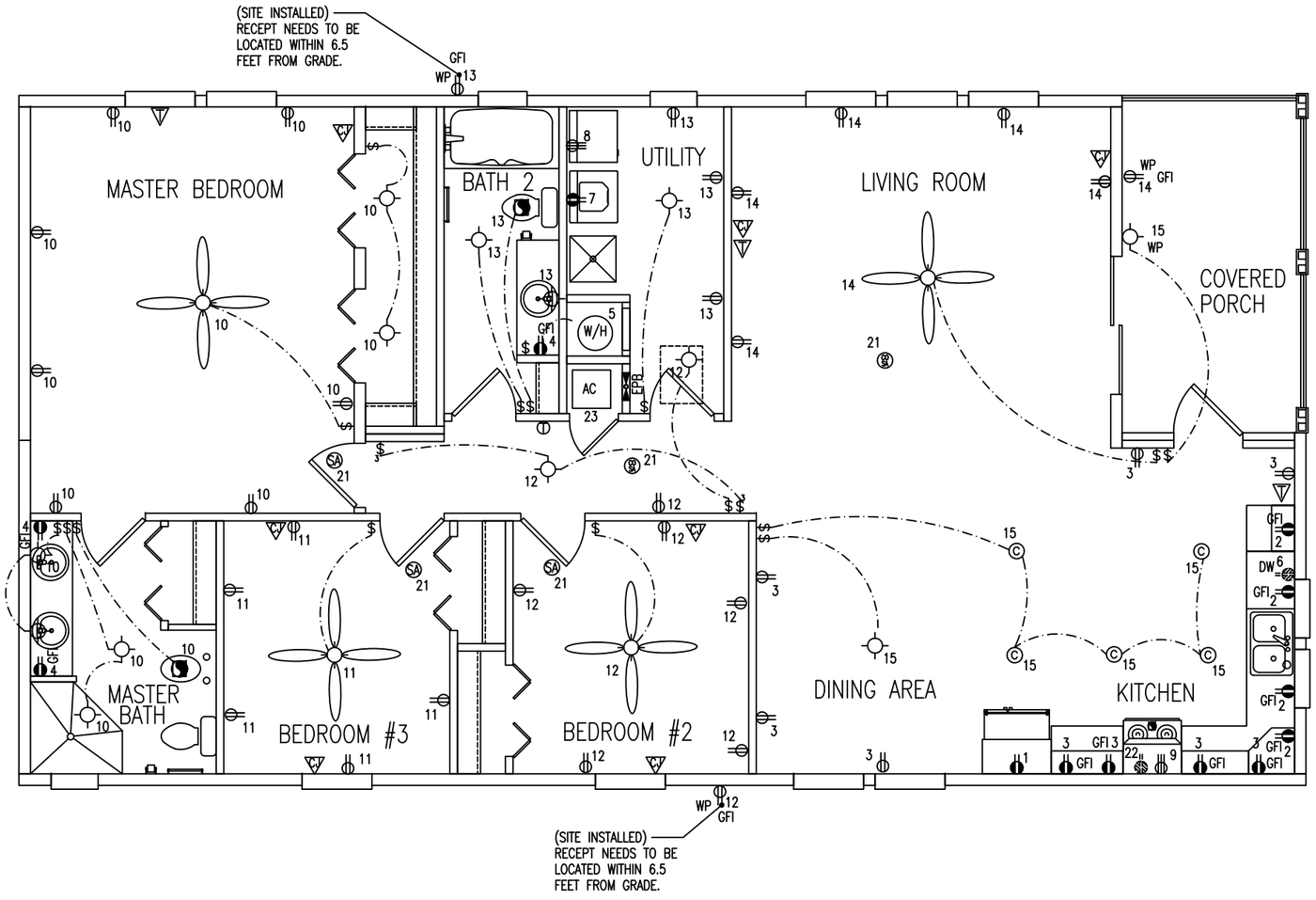
MODEL: MFT2437-ME563-620-108

DRAWN BY: LARRY K.

DRAWING: FLOOR PLAN

SHEET 4

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



ERIK J. MYERS
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Aug 25, 2016

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Occupancy:	R3
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Wind Velocity:	130 MPH Vult,139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MFT2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

ELECTRICAL CIRCUIT SCHEDULE			
CIR	DESCRIPTION	COND. SIZE (CU)	BREAKER
1	SMALL APPLIANCE	12-2 W/ GND	20A
2	SMALL APPLIANCE	12-2 W/ GND	20A
3	SMALL APPLIANCE	12-2 W/ GND	20A, AFCI
4	BATH	12-2 W/ GND	20A
5	WATER HEATER	10-2 W/ GND	25 2P
6	DISHWASHER (OPT)	12-2 W/ GND	20A
7	WASHER	12-2 W/ GND	20A
8	DRYER	10-3 W/ GND	30 2P
9	RANGE	8-3 W/ GND	40 2P
10	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI
11	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI
12	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI
13	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI
14	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI
15	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI
16	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI
17	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI
18	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI
19	COOK TOP	10-3 W/ GND	30 2P
20	FREEZER (OPT)	12-2 W/ GND	20A
21	SMOKE DETECTORS	14-3 W/ GND	15A, AFCI
22	MICROWAVE (OPT)	12-2 W/ GND	20A
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	

ELECTRICAL LEGEND

- PULL CHAIN LIGHT
- RANGE EXHAUST FAN
- EXT PORCH LIGHT
- FLUORESCENT LIGHT
- EXHAUST FAN
- PEDANT LIGHT
- PANEL BOX
- SMOKE DETECTOR
- SMOKE DETECTOR CARBON MONOXIDE
- CAN LIGHT
- 20 AMP DUPLEX RECPTACLE
- 15 AMP DUPLEX RECPTACLE
- 240V RECEPT
- SWITCH
- 3-WAY SWITCH
- PHONE JACK
- CABLE JACK
- THERMOSTAT
- COMBO LIGHT AND VENT

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

50% OF LAMPS IN ALL PERMANENTLY INSTALLED LIGHTING FIXTURES MUST BE HIGH EFFICANCY LAMPS.

PANEL SIZING:

1680 SQ. FT. X 3 WATTS/SQ. FT.	= 5.0	KW
3-20 AMP APPLIANCES CKTS	= 4.5	KW
RANGE CIRCUIT	= 13	KW
WATER HEATER CIRCUIT	= 5.5	KW
DISHWASHER CIRCUIT	= 1.4	KW
WASHER CIRCUIT	= 1.5	KW
DRYER CIRCUIT	= 5.5	KW
GARBAGE DISPOSAL	= 1.9	KW
TOTAL	= 41.9	KW
FIRST 10KW @ 100%	= 10	KW
REMAINDER @ 40% (31.9 X 0.40)	= 12.8	KW
HVAC (ASSUMED 20.90)	= 20.9	KW
TOTAL	= 43.7 KW = 43,700 WATTS	
43,700 WATTS/240 VOLTS	= 182	AMPS = 200 AMP SERVICE

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SCALE:	NTS

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

MODEL: MFT2437-ME563-620-108

DRAWN BY: LARRY K.

DRAWING: ELECTRICAL LAYOUT

SHEET 5

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

ERIK J. MYERS
LICENSE
No 77316
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Aug 25, 2016

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APPROVED BY NTA INC.

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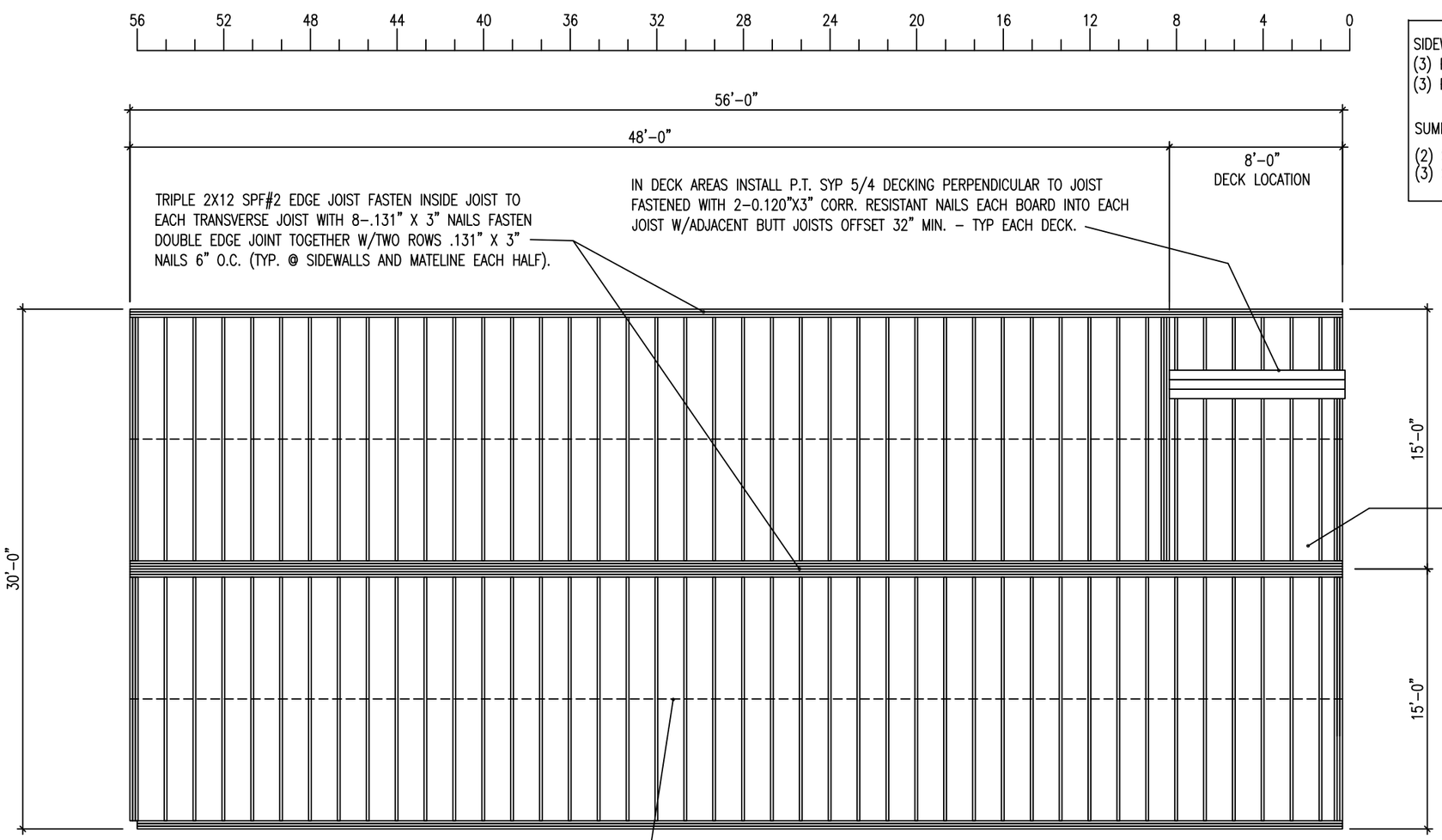
Occupancy:	R-3
Allowable No. of Floors:	1
Wind Velocity:	180 MPH Vult 139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MFT2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC



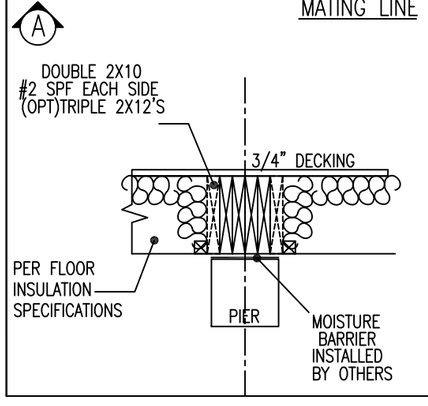
B-HALF
HITCH END

A-HALF
HITCH END

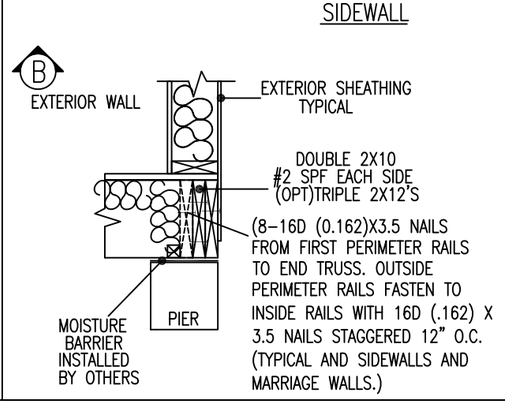
SIDEWALL (WITH TRUSS AND WALL)		
(3) PLY SYP #2 2X12 = 9'-10" (NO SPLICE)		
(3) PLY SYP #2 2X12 = 7'-6" (1 SPLICE)		
SUMMARY	MATEWALL	FLOOR ONLY
(2) SPF#2 2X12	7'-6"	9'-3"
(3) SPF#2 2X12	9'-9"	12'-2"

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.

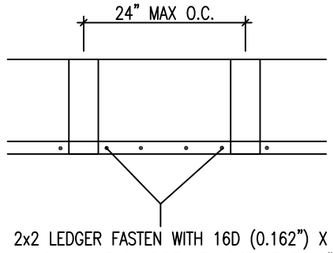
MATING LINE



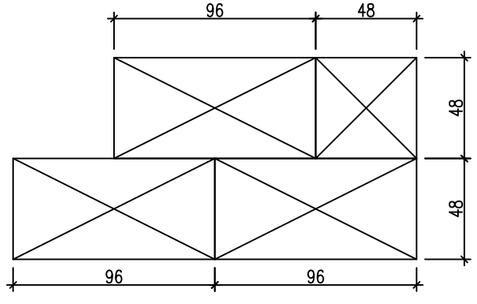
SIDEWALL



LEDGER



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 & .099"X2" NAILS 6" O.C. EDGES & FEILD.

Destiny Industries, LLC
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LABELS:	FL
SCALE:	NTS

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

MODEL: MFT2437-ME563-620-108

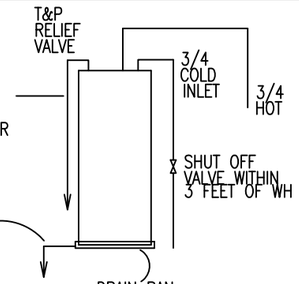
DRAWN BY: LARRY K.

DRAWING: FLOOR FRAMING

SHEET 6

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

WATER HEATER DETAIL

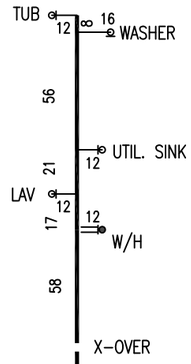


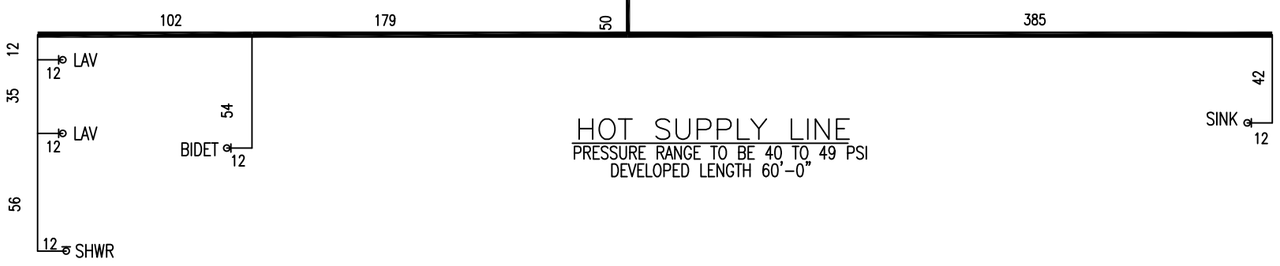
3/4" T&P LINE SHALL DISCHARGE TO THE EXTERIOR OF TEH BUILDING OR TO AN INDIRECT WASTE RECEPTOR WITH A VISIBLE AIR GAP (MAY BE ON SITE BY OTHERS)

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

COLD SUPPLY LINE

PRESSURE RANGE TO BE 40 TO 49 PSI
DEVELOPED LENGTH 60'-0"





HOT SUPPLY LINE

PRESSURE RANGE TO BE 40 TO 49 PSI
DEVELOPED LENGTH 60'-0"

PIPE LEGEND

═══	1" PIPE
━━━	3/4" PIPE
───	1/2" PIPE

DWV RISER

CHANGE IN DIRECTION IN SCHEDULE 40 DWV-PVC AND ABS DRAINAGE PIPING SHALL BE MADE BY THE APPROPRIATE USE OF 45° (0.785 RADIUS) WYES, QUARTER BENDS, OR LONG SWEEP QUARTER BENDS, ONE-SIXTH, ONE-EIGHTH, ONE-SIXTEENTH OR BY A COMBINATION OF THESE OR EQUIVALENT FITTINGS, SINGLE AND DOUBLE SANITARY TEES AND QUARTER BENDS MAY BE USED IN DRAINAGE LINES ONLY WHERE THE DIRECTION OF FLOW IS FROM THE HORIZONTAL TO THE VERTICAL.

SHORT SWEEPS NOT LESS THAN 3 INCHES DIAMETER MAY BE USED IN SOIL AND WASTE LINES WHERE THE CHANGE IN DIRECTION OF FLOW IS FROM THE HORIZONTAL TO THE VERTICAL AND MAY BE FOR MAKING NECESSARY OFFETS BETWEEN THE CEILING AND THE NEXT FLOOR ABOVE.

ERIK J. MYERS LICENSE No 77316 STATE OF FLORIDA PROFESSIONAL ENGINEER

Aug 25, 2016

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.

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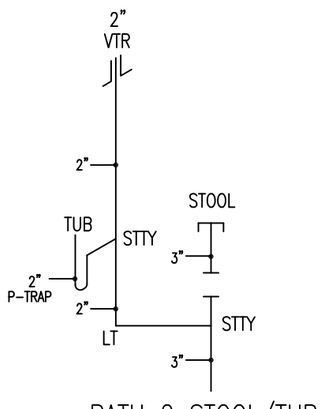
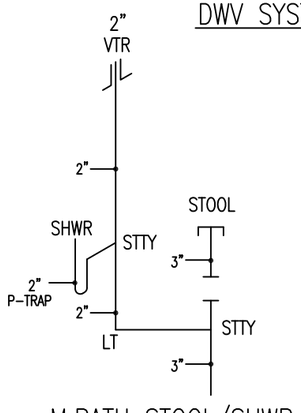
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

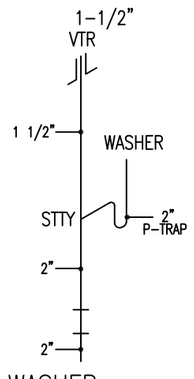
DWV SYSTEM



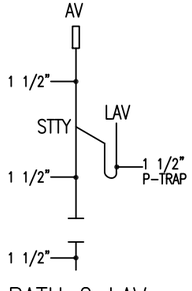
BATH 2 STOOL/TUB DRAIN



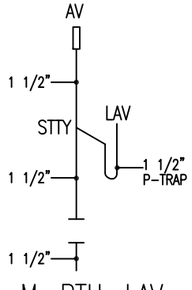
M.BATH STOOL/SHWR DRAIN



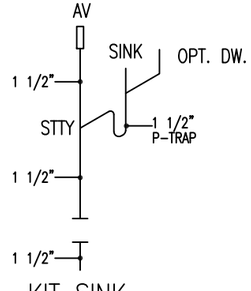
WASHER DRAIN



BATH 2 LAV DRAIN



M. BTH. LAV DRAIN



KIT SINK DRAIN

Destiny Industries, LLC

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MODEL: MFT2437-ME563-620-108

DRAWN BY: LARRY K.

DRAWING: PLUMBING LAYOUT

SHEET 7

ERIK MYERS PE, PLLC
2805 28TH STREET
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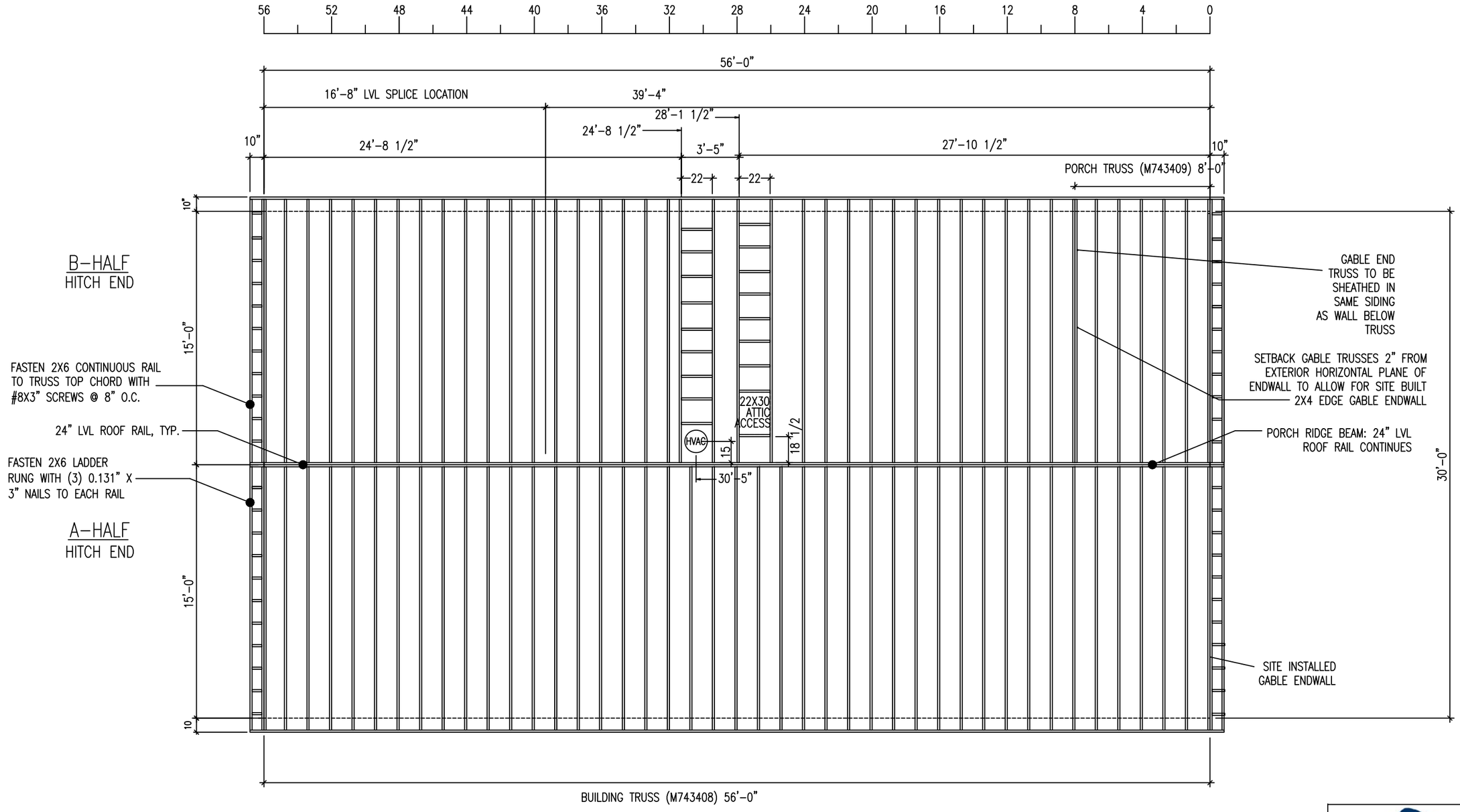

③	②	③
②	①	②
③	②	③
③	②	③
②	①	②
③	②	③

B-HALF
HITCH END

A-HALF
HITCH END

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.	11" O.C.
ZONE 2 OH	6" O.C.	7.4" O.C.
ZONE 3	6" O.C.	8.7" O.C.
ZONE 3 OH	6" O.C.	5.3" O.C.

225 PLF ROOF DECKING

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STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Aug 25, 2016

Destiny Industries, LLC

250 RW BRYANT ROAD
MOULTRIE, GA 31778

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

DATE:	4/25/2016
CODES:	2014 FBC
LABELS:	FL
SCALE:	NTS

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

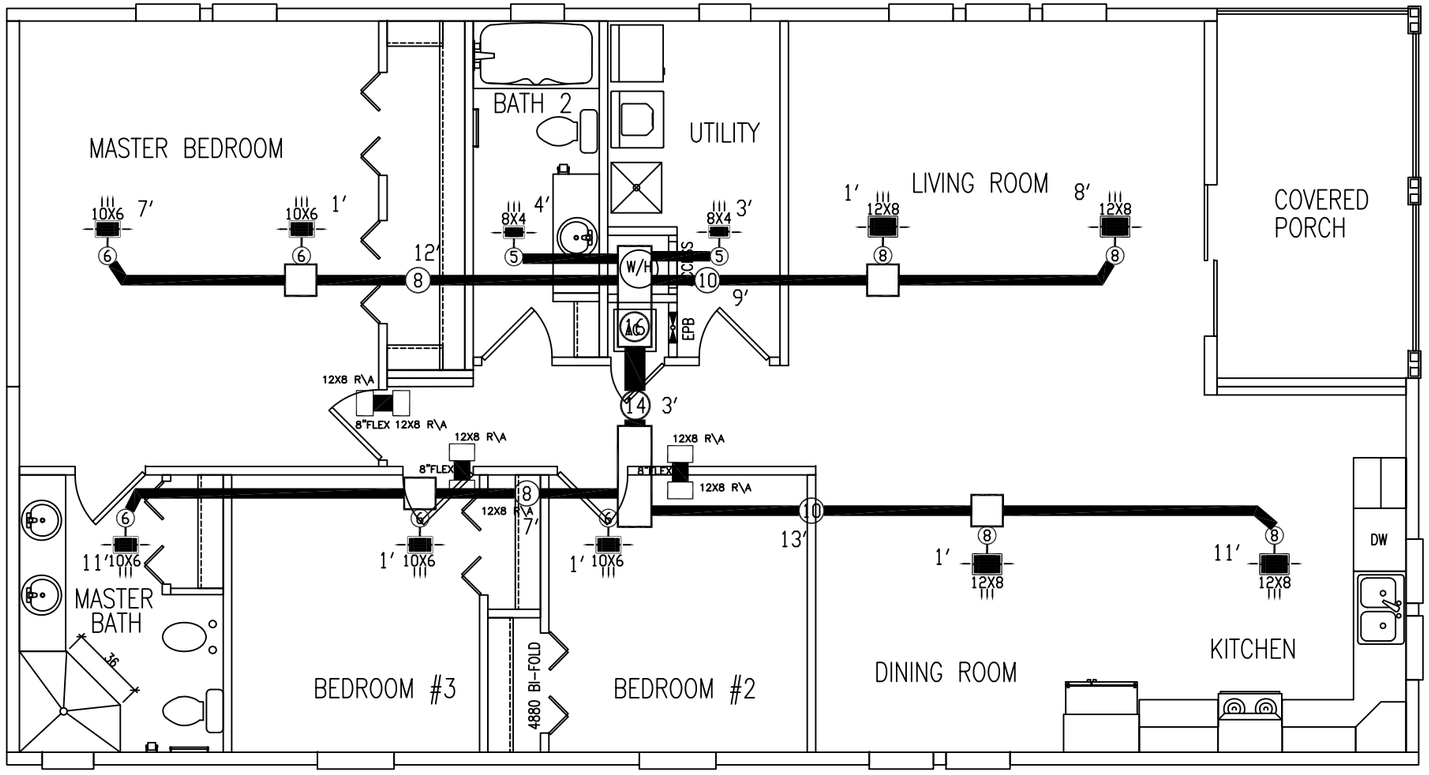
MODEL: MFT2437-ME563-620-108

DRAWN BY: LARRY K.

DRAWING: ROOF LAYOUT

SHEET 8

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



ERIK J. MYERS
LICENSE
No 77316
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Aug 25, 2016

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

APPROVED BY NTA INC.

Const. Type:	VB-unprotected
Occupancy:	R3
Allowable No. of Floors:	1
Wind Velocity:	180 MPH Vult.139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MFT2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

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DRAWN BY: LARRY K.

DRAWING: MECH. PLAN

SHEET 9

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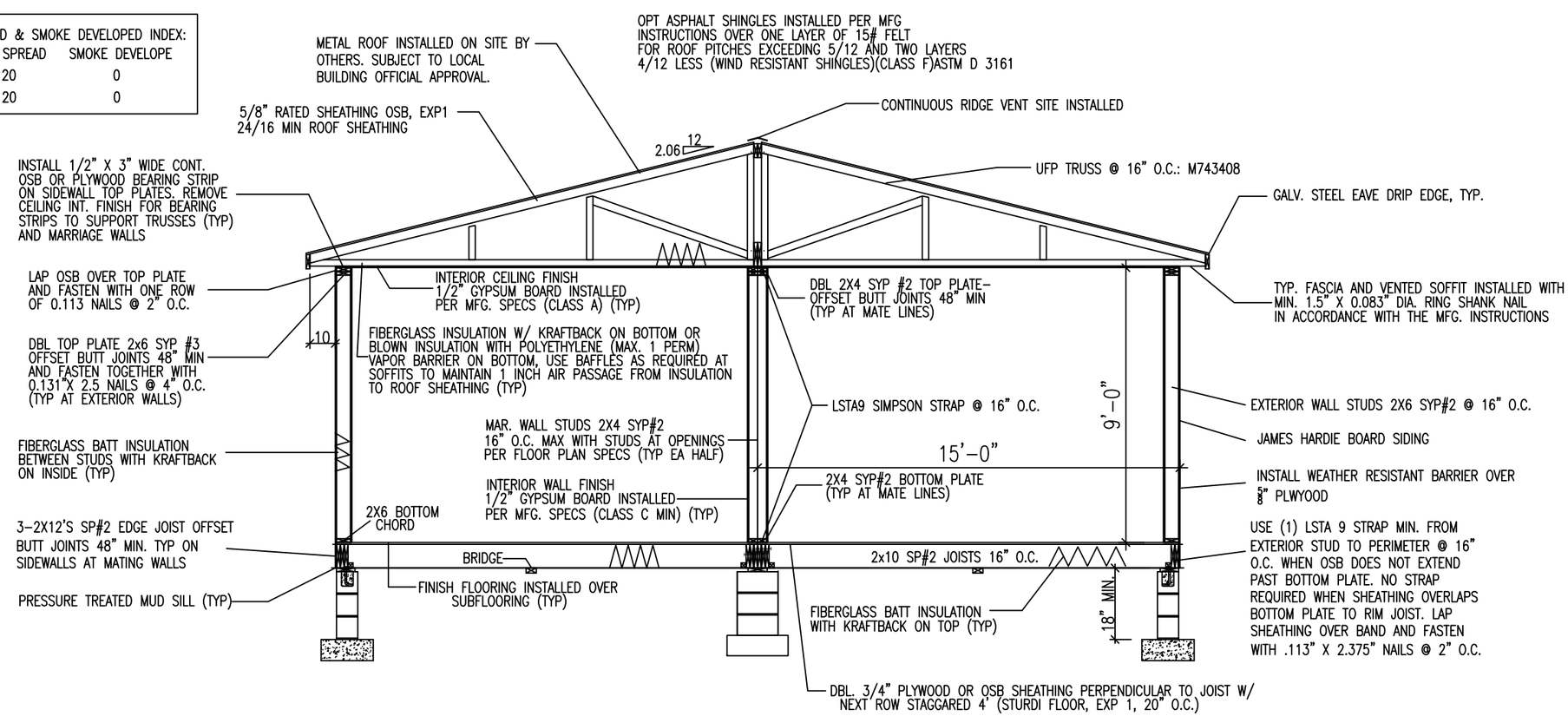
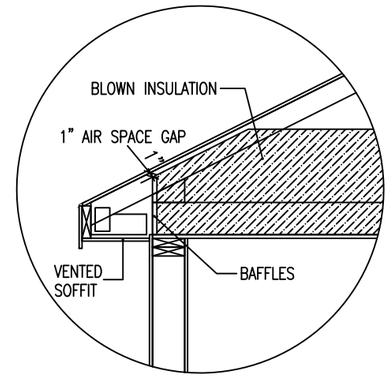
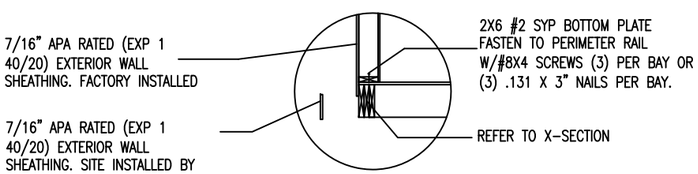
GENERAL NOTES:

EXTERIOR JOINTS IN THE BUILDING ENVELOPE THAT ARE SOURCES OF AIR LEAKAGE, SUCH AS AROUND WINDOWS AND DOOR FRAMES, BETWEEEN 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.

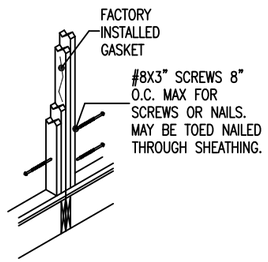
FLAME SPREAD & SMOKE DEVELOPED INDEX:		
	FLAME SPREAD	SMOKE DEVELOPE
WALL	20	0
CEILING	20	0



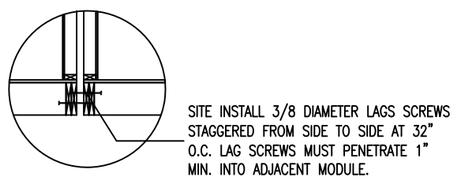




SIDEWALL TO FLOOR



MARRIAGE ENDWALL DETAIL



MARRIAGE FLOOR CONNECTION

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DRAWING: CROSS SECTION

SHEET 10

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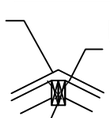
RIDGE CAP

TOP C TOP C TENSION

USE (1) SIMPSON LSTA15 STRAP WITH (4) D8 (.131) X 2" NAILS EACH END. SPACE EVERY OTHER TRUSS.

RIDGE TO RIDGE SHEAR

FASTEN WITH (4) 8D (.131) X 3" NAILS EACH BAY EVENLY SPACED.



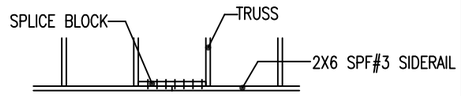
DETAIL "A"

TOP C TO RIDGE SHEAR

FASTEN WITH (4) 8D (.148) X 3.25" NAILS FROM RIDGE TO TOP CHORD END GRAIN. SPACE EVENLY.

IF RIDGE BOARDS ARE SEPERATED DUE TO SETTING CONDITIONS. SITE INSTALL FILLER BETWEEN RIDGE BOARDS AND SCREW 3-#8X4" FROM EACH SIDE.

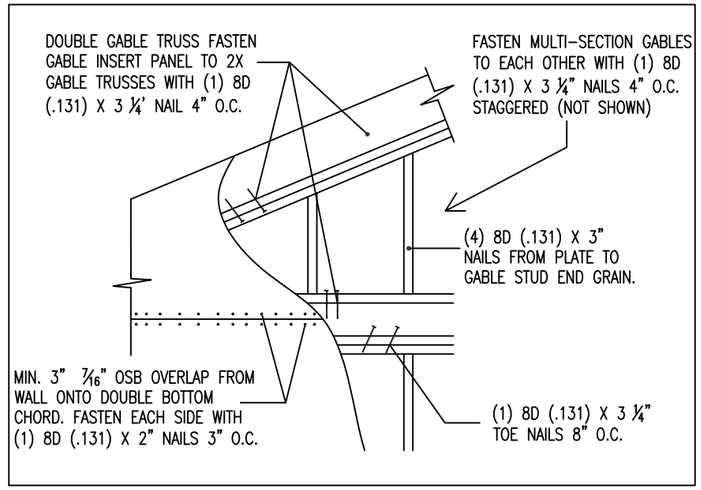
ROOF EDGE RAIL



FASTEN SIDERAIL TO SPLICE BLOCK (SAME SPECIES AND GRADE) WITH 100% PVA GLUE & 3-ROWS OF 15GA. X 2 1/2" STAPLES @ 3" O.C.

OPTION "B"

5"X5" NAIL PLATE (5000# LOAD MIN.)

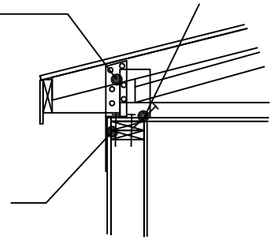


TOP PLATE TO TRUSS (SHEAR)

USE (3) 8D (.131) X 3.25" TOE NAILS FROM BOTTOM CHORD TO TOP PLATES. OR (3) 8 X 3.5" TOE SCREWS.

TOP PLATE TO TRUSS UPLIFT

USE (1) SIMPSON H2.5A CLIP WITH FULL NAIL QUOTA EACH END.



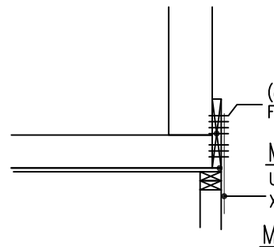
EXT. OSB TO PLATES (MIN)

LAP 7/16 OSB OVER BAND. FASTEN WITH (1) 8D (.113) X 2" NAILS @ 2" O.C. STAGGERED.

TRUSS CONNECTIONS

DETAIL "C"

TRUSS FASTENING DETAIL



MATE B TO WALL (UPLIFT)

USE (1) LSTA9 STRAP WITH (4) 10D (.148) X 2.5" NAILS EACH END.

MATE B TO PLATE (SHEAR)

USE (2) 8D (.131) X 3.25" TOE NAILS FROM BOTTOM CHORD TO TOP PLATES.

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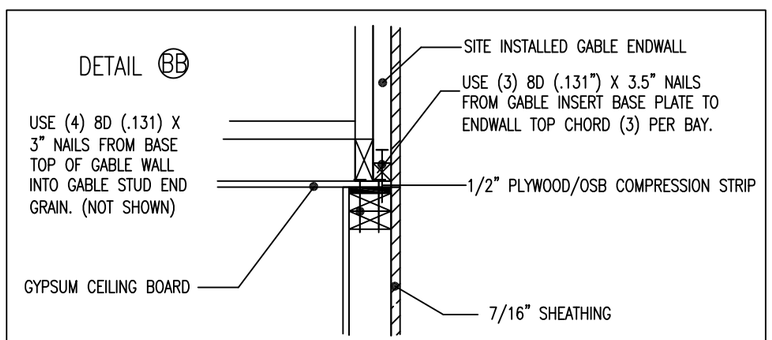
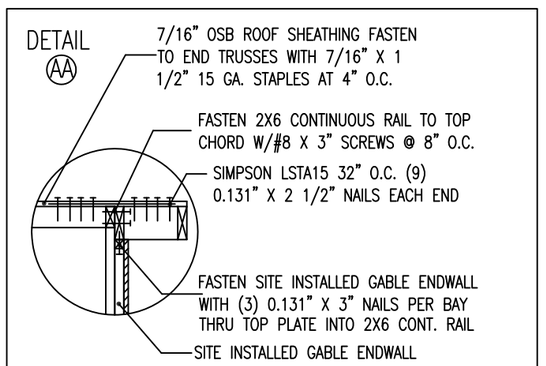
DETAIL (BB)



DETAIL (AA)



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DRAWN BY: LARRY KAY

DRAWING: GABLE ENDWALL CONNECTION DETAILS

SHEET 11

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CLOTHES DRYERS.

M1502.1 GENERAL.
CLOTHES DRYERS SHALL BE EXHAUSED IN ACCORDANCE WITH THE MANUFACTURES INSTRUCTIONS.

M1502.3 DUCT TERMINATION
EXHAUST DUCTS SHALL TERMINATE ON THE OUTSIDE OF THE BUILDING. EXHAUST DUCT TERMINATIONS SHALL BE IN ACCORDINACE WITH DRYER MANUFACTURES INSTRUCTIONS. THE DUCT SHALL TERMINATE NOT LESS THAN 3 FEET IN ANY DIRECTION FROM OPENING INTO BUILDING. EXHAUST DUCT TERMINATIONS SHALL BE EQUIPPED WITH A BACKDRAFT DAMPER. SCREENS SHALL NOT BE INSTALLED AT THE DUCT TERMINATION.

M1502.4 DRYER EXHAUST DUCTS
DRYER EXHAUST DUCT SHALL CONFORM TO THE REQUIREMENTS OF SECTIONS M1502.4.1 THROUGH M1502.4.6.

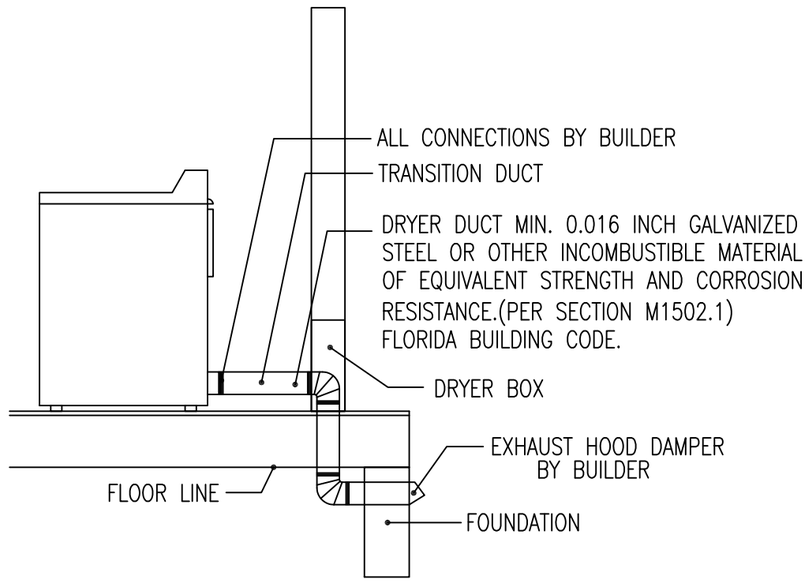
M1502.4.1 MATERIAL AND SIZE.
EXHAUST DUCTS SHALL HAVE A SMOOTH INTERIOR FINISH AND SHALL BE CONSTRUCTED OF METAL A MINIMUM OF 0.016 INCH THICK. THE EXHAUST DUCT SIZE SHALL BE 4 INCHES NOMINAL IN DIAMETER.

M1502.4.2 DUCT INSTALLATION
EXHAUST DUCTS SHALL BE SUPPORTED AT 4 FOOT INTERVALS AND SECURED IN PLACE. THE INSERT END OF DUCT SHALL EXTEND INTO THE ADJOINING DUCT IN THE DIRECTION OF THE AIRFLOW. DUCTS SHALL NOT BE JOINED WITH SCREWS THAT PROTRUDE INTO THE INSIDE OF THE DUCT.

M1502.4.3 TRANSITION DUCT
TRANSITION DUCTS SHALL BE A SINGLE LENGTH THAT IS LISTED AND LABELED IN ACCORDANCE WITH UL 2158A. TRANSITION DUCT SHALL BE A MAXIMUM OF 8 FEET IN LENGTH.

M15024.4 DUCT LENGTH
THE MAXIMUM ALLLOWABLE EXHAUST DUCT LENGTH SHALL BE DETERMINED BY ONE OF THE METHODS SPECIFIED IN SECTION M15024.4.1 OR M1502.4.4.2

M1502.4.4.1 SPECIFIED LENGTH
THE MAXIMUM LENGTH OF THE EXHAUST DUCT SHALL BE 25 FEET FROM CONNECTION TO THE TRANSITION DUCT FROM DRYER TO THE OUTLET TERMINAL. SEE TABLE M1502.4.4.1 FOR REDUCED LENGTH DUE TO TURNS.



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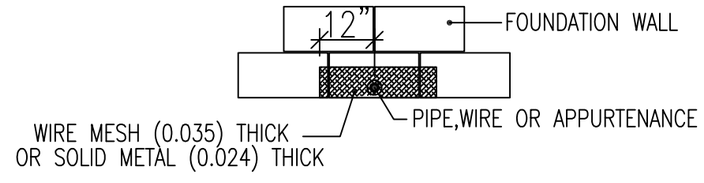
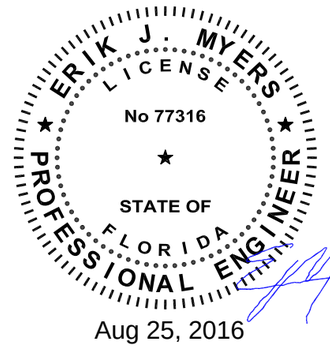


WINDOWS AND OTHER OPENING FOR THE PURPOSE OF LIGHT AND VENTILATION IN THE EXTERIOR WALLS ACCESSIBLE TO RODENTS BY THE WAY OF EXPOSED PIPES,WIRES, CONDUITS AND OTHER APPURTENANCES SHALL BE COVERED WITH WIRE MESH (0.035") THICK OR SOLID METAL GUARDS (0.024") THICK OR HEAVIER. GUARDS SHALL BE FITTED AROUND THESE FIXTURES. IN ADDITION THEY SHALL BE FASTENED SECURELY TO AND SHALL EXTEND PERPENDICULAR FROM THE EXTERIOR WALL FOR A MINIMUM 12" BEYOND EITHER SIDE OF APPURTENANCES.

R303.5.1 INTAKE OPENINGS
MECHANICAL AND GRAVITY OUTDOOR INTAKE OPENINGS SHALL BE LOCATED A MINIMUM 10 FEET FROM ANY HAZARDOUS OR NOXIOUS CONTAMINANT SUCH AS VENTS CHIMNEYS PLUMBING VENTS, STREETS, ALLEYS, PARKING LOTS AND LOADING DOCKS, EXCEPT AS OTHERWISE SPECIFIED IN THIS CODE. WHERE SOURCE OF CONTAMINANT IS LOCATED WITHIN 10 FEET OF AN INTAKE OPENING, SUCH OPENING SHALL BE LOCATED A MINIMUM OF 2 FEET BELOW THE CONTAINMENT SOURCE.

R303.6 OUTSIDE OPENING PROTECTION.
AIR EXHAUST AND INTAKE OPENINGS THAT TERMINATE OUTDOOORS SHALL BE PROTECTED WITH CORROSION RESISTANT SCREENS, LOUVERS OR GRILLES HAVING A MINIMUM OPENING SIZE OF 1/4 INCH AND A MAXIMUM OPENING OF 1/2 INCH IN ANY DIMENSION. OPENINGS SHALL BE PROTECTED AGAINST LOCAL WEATHER CONDITIONS. OUTDOOR AIR EXHAUST AND INTAKE OPENINGS SHALL MEET THE PROVISIONS FOR EXTERIOR WALL OPENING PROTECTIVES IN ACCORDANCE WITH THIS CODE.



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DRAWN BY: LARRY K.
DRAWING: DRYER DUCT & RODENT PROVENTION
SHEET 12

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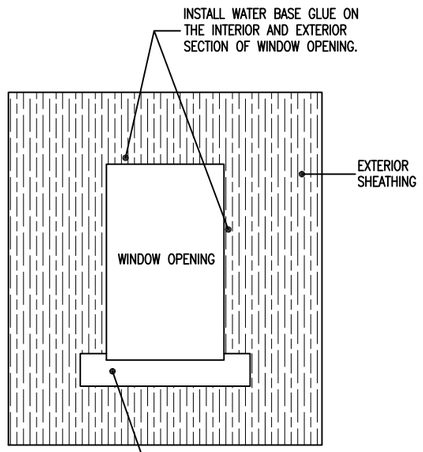
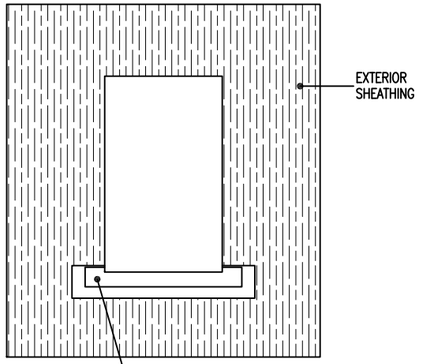


STEP 1



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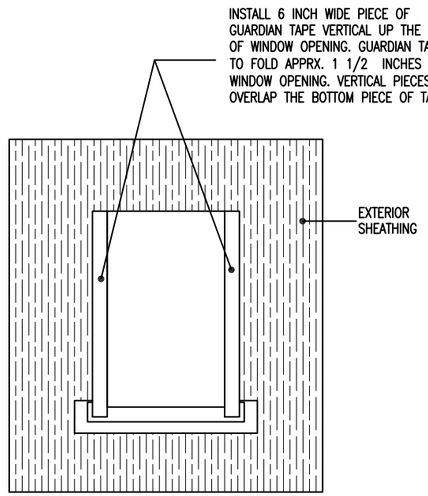

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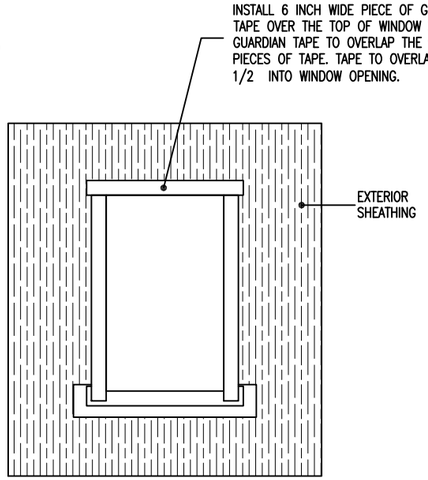

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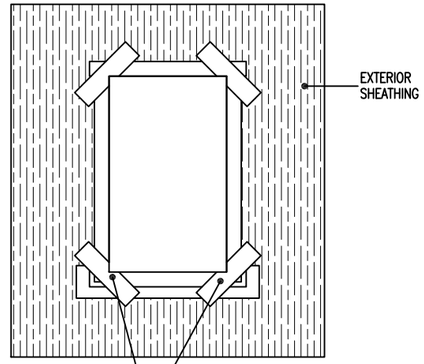

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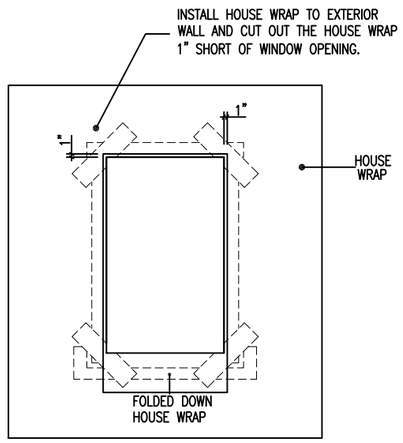
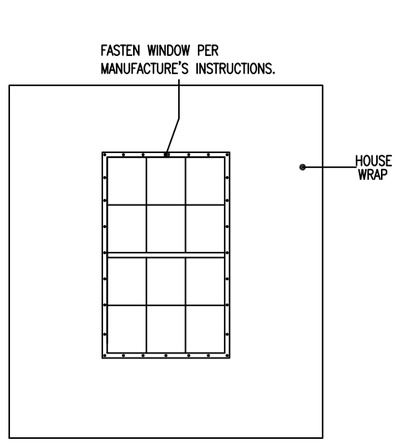
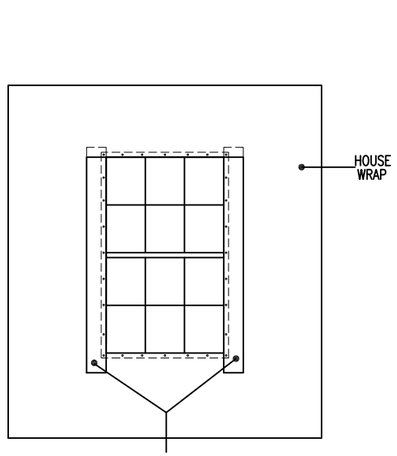


STEP 6

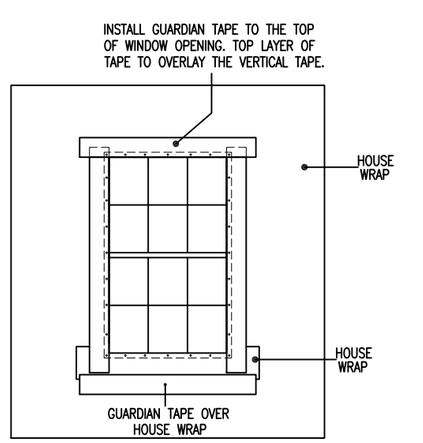
STEP 7



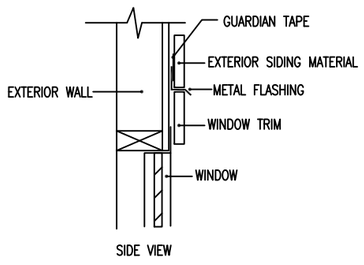
STEP 8



STEP 9



STEP 10



STEP 11

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DRAWING: WATER SEALING EXTERIOR OPENINGS

SHEET 13

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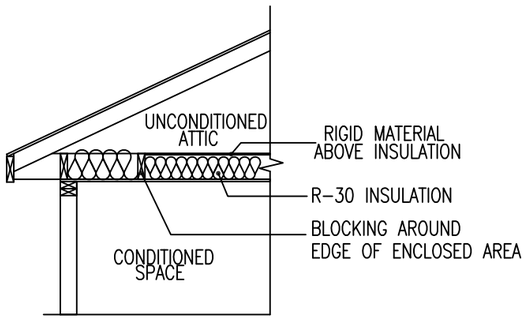
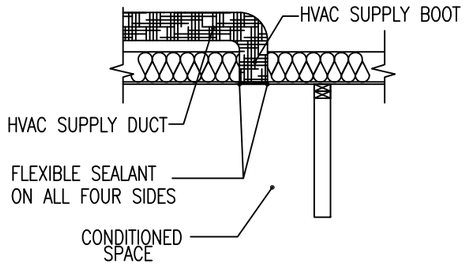
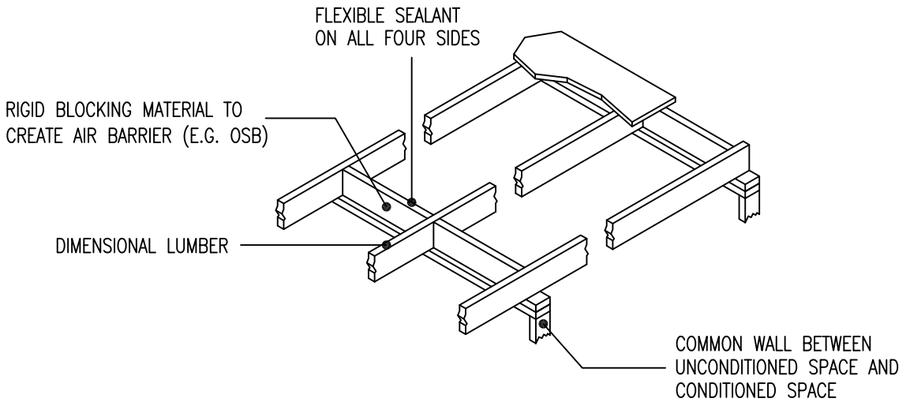


SECTION VIEW OF CEILING WITH ATTIC SPACE

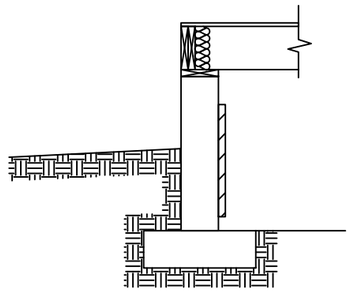


SECTIONAL VIEW OF CEILING HVAC BOOT PENETRATION

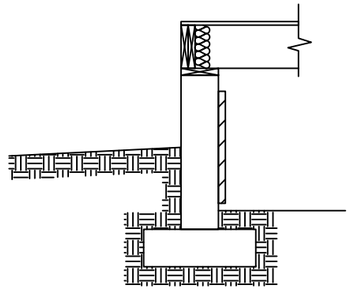


ISOMETRIC VIEW OF DIMENSIONAL LUMBER FLOOR/CEILING SYSTEM ABOVE COMMON WALL BETWEEN UNCONDITIONED AND CONDITIONED SPACE

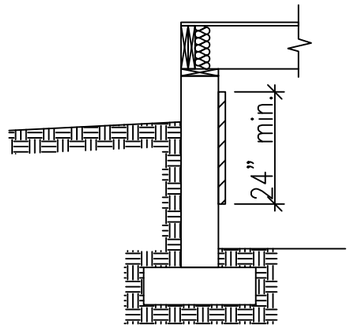
FOAM OR POROUS INSULATION HAS 3" TOP INSPECTION GAP AND EXTENDS DOWN 3" ABOVE TOP OF WALL OR CONCRETE FLOOR



FOAM OR POROUS INSULATION HAS 3" TOP INSPECTION GAP AND EXTENDS DOWN 3" ABOVE INTERIOR GROUND SURFACE



FOAM OR POROUS INSULATION HAS 3" TOP INSPECTION GAP AND EXTENDS DOWN 24" BELOW GRADE



CLOSED SPACE WALLS. INSULATION ILLUSTRATION

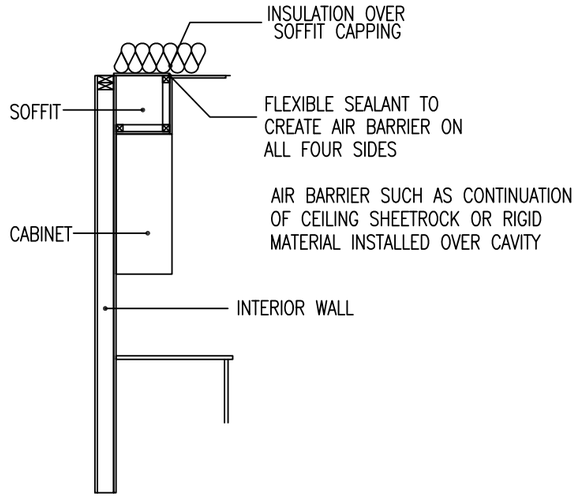
These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY NTA INC.

Const. Type:	VB-unprotected
Occupancy:	R3
Allowable No. of Floors:	1
Wind Velocity:	130 MPH Vult 139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr.
Plan No.:	MFT2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

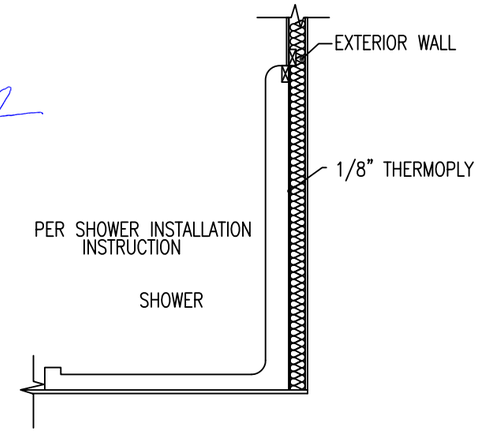
ERIK J. MYERS LICENSE No 77316 STATE OF FLORIDA PROFESSIONAL ENGINEER

Aug 25, 2016

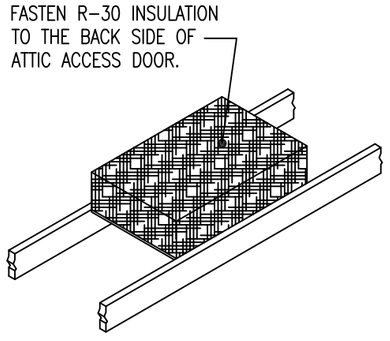


SECTIONAL VIEW OF SOFFIT OVER CABINET

SECTION VIEW OF BATH TUB ON EXTERIOR WALL



SECTION VIEW OF BATH SHOWER ON EXTERIOR WALL



ATTIC ACCESS INSULATING

Destiny Industries, LLC

250 RW BRYANT ROAD
MOULTRIE, GA 31778

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

DATE:	4/25/2015
CODES:	2014 FBC
LABELS:	FLORIDA
SCALE:	NTS

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

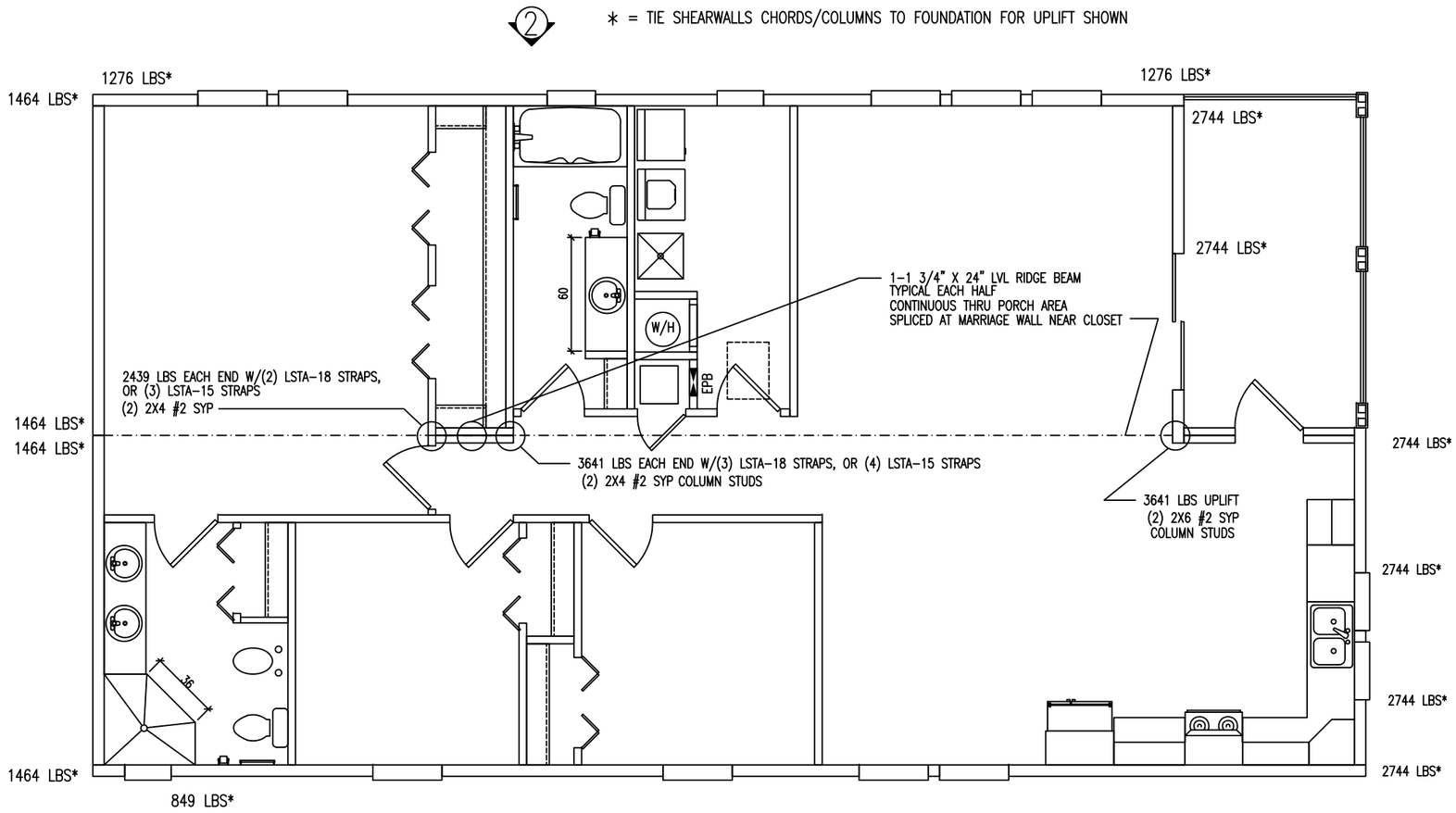
MODEL: MFT2437-ME563-620-108

DRAWN BY: Jerry Benton

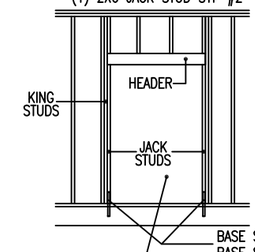
DRAWING: AIR SEALING DETAILS

SHEET 14

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



TYPICAL UP TO 36" OPENING
(3) 2X6 SYP#2 HEADER
(1) 2X6 KING STUD SYP #2
(1) 2X6 JACK STUD SYP #2



SHORT STUD CONNECTION:
(1) 8D (0.131") X 2" NAIL 3" O.C. FROM OSB TO HEADER

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

BASE STRIP:
(1) LSTA12 STRAP FROM KING/JACK COLUMNS TO BAND.

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

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

APPROVED BY NTA INC.

Const. Type:	VB-unprotected
Occupancy:	R3
Allowable No. of Floors:	1
Wind Velocity:	180 MPH Vult 139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MFT2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

SHEARWALL 3

* = 1464 LBS (NEED 2 SIMPSON LSTA15 STRAPS)(1 STUDS EACH STRAP)
8" OSB STRIP TO OVERLAP SILL TO BAND W/(1) 8D (.113) @ 3" O.C.
TOE-NAIL W/16D (.162) X 3.5" LONG FROM BAND TO SILL @ 6" O.C.

SHEARWALL 2

* = 1276 LBS (NEED 2 SIMPSON LSTA15 STRAPS)(1 STUDS EACH STRAP)
8" OSB STRIP TO OVERLAP SILL TO BAND W/(1) 8D (.113) @ 3" O.C.
TOE-NAIL W/16D (.162) X 3.5" LONG FROM BAND TO SILL @ 6" O.C.

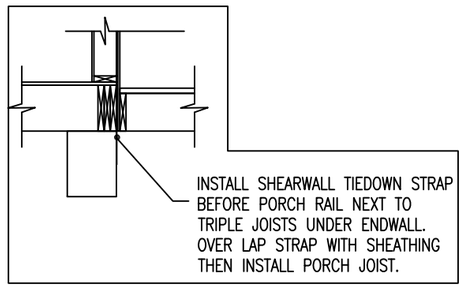
SHEARWALL 1

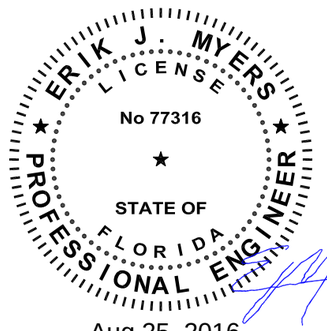
* = 2744 LBS (NEED 3 SIMPSON LSTA15 STRAPS)(1 STUDS EACH STRAP)
8" OSB STRIP TO OVERLAP SILL TO BAND W/(1) 8D (.113) @ 3" O.C.
TOE-NAIL W/16D (.162) X 3.5" LONG FROM BAND TO SILL @ 3" O.C.

SHEARWALL 4

* = 849 LBS (NEED 2 SIMPSON LSTA15 STRAPS)(1 STUDS EACH STRAP)
8" OSB STRIP TO OVERLAP SILL TO BAND W/(1) 8D (.113) @ 3" O.C.
TOE-NAIL W/16D (.162) X 3.5" LONG FROM BAND TO SILL @ 6" O.C.

SHEARWALL	PLF	SHEARWALL DESCRIPTION	EDGES	FIELD	ZONE 4	ZONE 5
3	163	7/16" MIN. OSB SHEATHING FASTENED WITH 0.113" X 2 3/8" NIALS	6" O.C.	8" O.C.	6" O.C.	12" O.C.
2	142	7/16" MIN. OSB SHEATHING FASTENED WITH 0.113" X 2 3/8" NIALS	6" O.C.	8" O.C.	6" O.C.	12" O.C.
1	305	7/16" MIN. OSB SHEATHING FASTENED WITH 0.113" X 2 3/8" NIALS	3" O.C.	8" O.C.	6" O.C.	12" O.C.
4	94	7/16" MIN. OSB SHEATHING FASTENED WITH 0.113" X 2 3/8" NIALS	6" O.C.	8" O.C.	6" O.C.	12" O.C.





Aug 25, 2016

Destiny Industries, LLC

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

DATE:	4/25/2016
CODES:	2014 FBC
LABELS:	FL
SCALE:	NTS

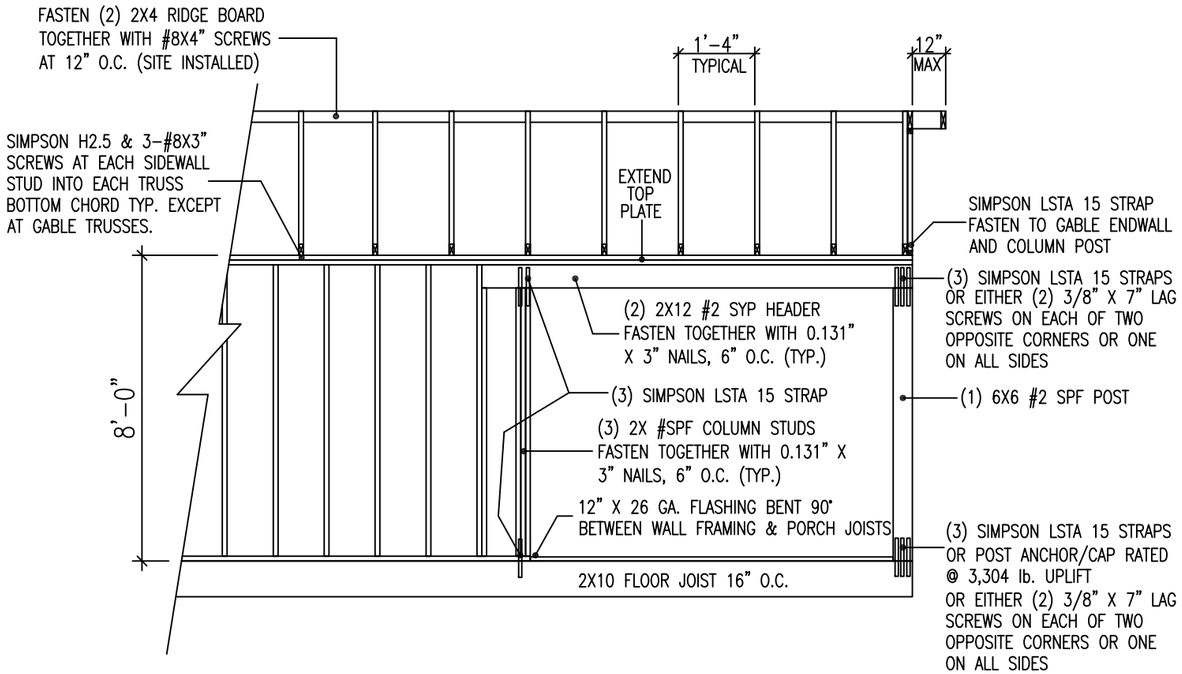
3RD PARTY INSPECTION AGENCY
NTA INC
305 NORTH OAKLAND AVE
NAPPANEE, IN 46550
Contact: Dave Barts (574-773-2732)

MODEL: MFT2437-ME563-620-108
DRAWN BY: LARRY K.

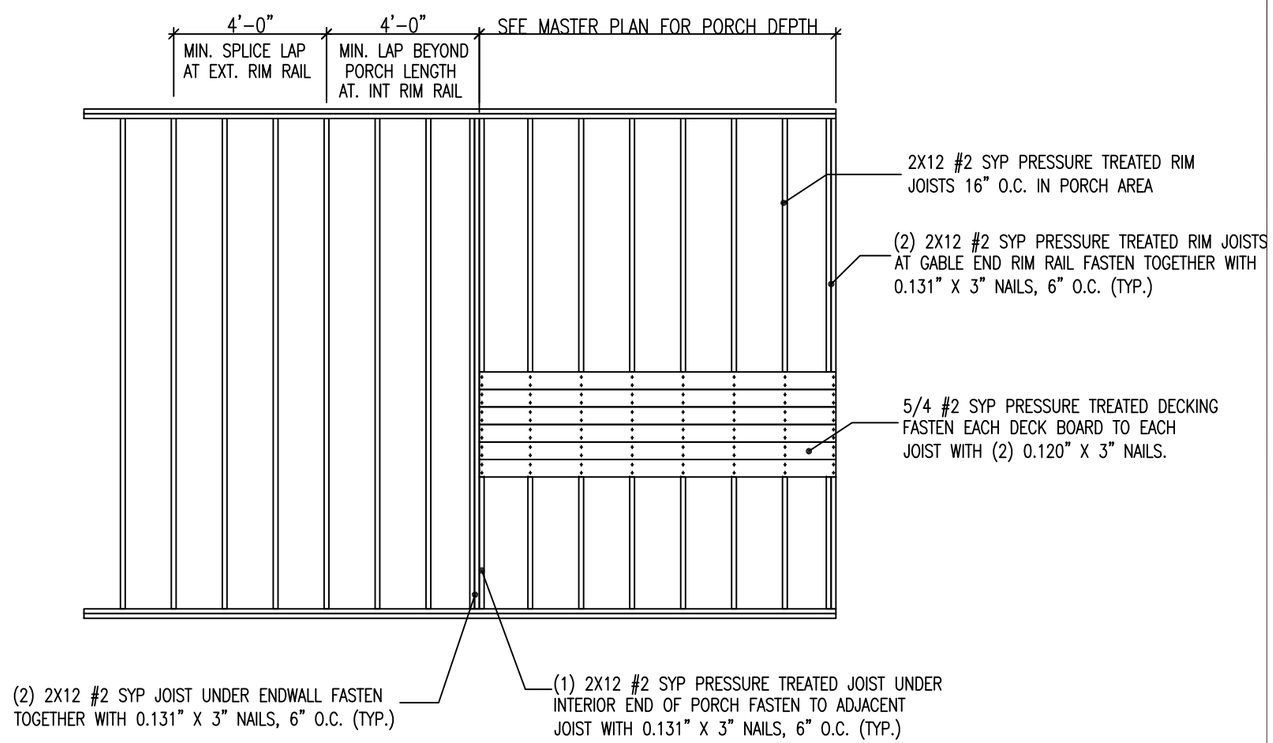
DRAWING: SHEARWALLS
SHEET 15

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

PORCH CROSS SECTION



PORCH FLOOR / DECK FRAMING



ALL EXPOSED LUMBER TO BE PRESSURE TREATED ACQ OR CA-B WITH NO AMONIA IN ACCORDANCE WITH THE AMERICAN WOOD PERSERVES ASSOCIATIONS STANDARDS FOR GROUND CONTACT, #2 SYP UNLESS OTHERWISE SPECIFIED.

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

APPROVED BY NTA INC.

Const. Type:	VB-unprotected
Occupancy:	R3
Allowable No. of Floors:	1
Wind Velocity:	180 MPH Vult.139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MFT2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

ERIK J. MYERS LICENSE No 77316 STATE OF FLORIDA PROFESSIONAL ENGINEER

Aug 25, 2016

WOOD MATERIALS REQUIRED TO BE TREATED WITH A PRESERVATIVE PER IBC 2304.11 SHALL BE IDENTIFIED BY A QUALITY MARK IN ACCORDANCE WITH AWPA STANDARDS.

TIMBER CONNECTORS AND FASTENERS IN CONTACT WITH PRESERVATIVE-TREATED OR FIRE RETARDANT-TREATED WOOD MEMBERS SHALL BE HOT-DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL,SILICONE,BRONZE, OR COPPER.

A BARRIER BETWEEN PRESERVATIVE-TREATED OR FIRE RETARDENT-TREATED MEMBERS CAN BE USED WHEN APPROVED BY THE ENGINEER AND/OR ARCHITECT.

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

DATE:	4/25/2016
CODES:	2014 FBC
LABELS:	FL
SCALE:	NTS

MODEL: MFT2437-ME563-620-108

DRAWN BY: LARRY K.

DRAWING: DECK DETAILS

SHEET 16

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

REScheck Software Version 4.6.2

Compliance Certificate

Project ME563-620-108

Energy Code:	**2014 Florida Building Code, Energy**
Location:	**Key West, Florida**
Construction Type:	**Single-family**
Project Type:	**New Construction**
Conditioned Floor Area:	**1,680 ft2**
Glazing Area	**16%**
Climate Zone:	**1 (100 HDD)**
Permit Date:	
Permit Number:	

Construction Site:

Owner/Agent:
Destiny Industries
250 RW Bryant Road
Moultrie, GA 31778

Designer/Contractor:

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

Compliance: **28.7% Better Than Code** Maximum UA: **456** Your UA: **325** Maximum SHGC: **0.25** Your SHGC: **0.25**

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	1,680	30.0	0.0	0.035	59
Wall 1: Wood Frame, 16" o.c.	1,548	19.0	0.0	0.060	78
Window 1: Metal Frame with Thermal Break:Double Pane SHGC: 0.25	202			0.450	91
Door 1: Glass SHGC: 0.25	40			0.450	18
Floor 1: All-Wood Joist/Truss:Over Unconditioned Space	1,680	19.0	0.0	0.047	79

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 2014 Florida Building Code, Energy Conservation requirements in RES*check* Version 4.6.2 and to comply with the mandatory requirements listed in the RES*check* Inspection Checklist.

Name - Title _____ Signature _____ Date _____

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

APPROVED BY NTA INC.

Const. Type: VB-unprotected
Occupancy: R3
Allowable No. of Floors: 1
Wind Velocity: 180 MPH Vult,139 MPH Vasd
Fire Rating of Ext. Walls: 0 Hr
Plan No.: MET2437-ME563-620-108
Allow. Floor Load: 40 PSF
Approval Date: 8/25/2016
Manufacturer: Destiny Industries, LLC

Inspection Checklist

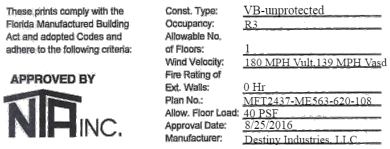
Energy Code: 2014 Florida Building Code, Energy Conservation

Requirements: 0.0% were addressed directly in the RES*check* 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.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
103.1, 103.2, 403.7 [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 FBC, Energy Conservation.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
302.1, 403.6 [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 R403.6.1 for full details.	Heating: Btu/hr____ Cooling: Btu/hr____	Heating: Btu/hr____ Cooling: Btu/hr____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

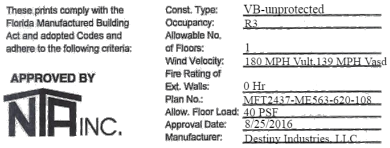
Additional Comments/Assumptions:



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

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	
403.8 [FO12][2]	Snow- and ice-melting system controls installed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:



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
402.1.1, 402.3.1, 402.3.3, 402.3.6 [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 [FR32][1]	Fenestration that is not impact rated fenestration has U-0.65.	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.*
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	
402.4.1.1 [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.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
402.4.4 [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	
403.2.1 [FR12][1]	Supply ducts in attics are insulated to ≥R-8. All other ducts in unconditioned spaces or outside the building envelope are insulated to ≥R-6.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.2.3 [FR15][3]	Building cavities are not used as ducts or plenums.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.3 [FR17][2]	HVAC piping conveying fluids above 105 ºF or chilled fluids below 55 ºF are insulated to ≥R-3.	R-____	R-____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.3.1 [FR24][1]	Protection of insulation on HVAC piping.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.4.3 [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 guildlines.			☐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:

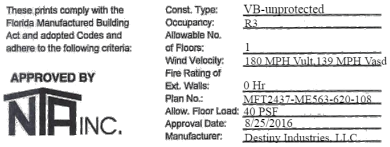
APPROVED BY NTA INC.

Const. Type:	VB-unprotected
Occupancy:	R3
Allowable No. of Floors:	1
Wind Velocity:	180 MPH Vult 139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MFT2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

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
403.4.4.1.1 [FR27][2]	Service water heating systems are equipped with automatic temperature controls.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.4.4.1.2 [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	
403.4.4.2 [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	
403.4.4.2.1 [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	
403.5.2 [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 >= R-11 and ceiling >= R-19, space permitting, or R-10 otherwise.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.5 [FR19][2]	Automatic or gravity dampers are installed on all outdoor air intakes and exhausts.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

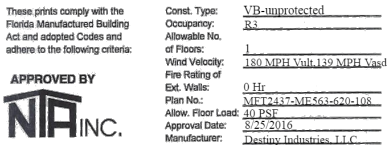
Additional Comments/Assumptions:



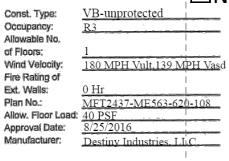
1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

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	
402.2.13 [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	
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.*
303.2, 402.2.7 [IN2][1]	Floor insulation installed per manufacturer's instructions, and in substantial contact with the underside of the subfloor.			☐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.*
303.2 [IN4][1]	Wall insulation is installed per manufacturer's instructions.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:



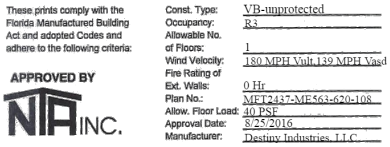
1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Final Inspection Provisions	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
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.*
303.1.1.2.1, 303.2 [FI2][1]	Ceiling insulation installed per manufacturer's instructions. Blown insulation marked every 300 ft².			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
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. <=5 ach in Climate Zones 1-2, and <=3 ach in Climate Zones >2.	ACH 50 =____	ACH 50 =____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.2.2 [FI4][1]	Duct tightness test result of <=4 cfm/100 ft2 across the system or <=3 cfm/100 ft2 without air handler @ 25 Pa. For rough-in tests, verification may need to occur during Framing Inspection. Primary air containment passageways are constructed and sealed per Section C403.2.7.3 of the Florida Building Code, Energy Conservation.	____ cfm/100 ft² 	____ cfm/100 ft² 	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.2.2.1 [FI24][1]	Air handler leakage designated by manufacturer at <=2% of design air flow.			☐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 on forced air furnaces.			☐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	
403.4.1 [FI11][2]	Circulating service hot water systems have automatic or accessible manual controls.			☐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 [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	
401.3 [FI7][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	
303.3 [FI18][3]	Manufacturer manuals for mechanical and water heating systems have been provided.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.2.4 [FI30][2]	Air handling units are not installed in attic.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

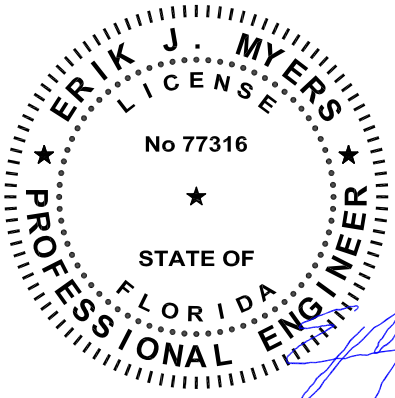


1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Erik Myers PE, PLLC
8/25/2016

Destiny Industries, LLC

ME563-620-108



Aug 25, 2016

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

APPROVED BY NTA INC.

Const. Type:	VB-unprotected
Occupancy:	R3
Allowable No. of Floors:	1
Wind Velocity:	180 MPH Vult,139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MET2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

Design Criteria ASCE 7-10

Total Width =	30	ft	Stories =	1	
Module Width =	15	ft	Wall Height =	9	ft
Length =	56	ft	Sidewall Eave Height =	10	ft
Roof Slope =	2.06	/12	Foundation Height =	9.833	ft
Roof Angle =	9.74	º	Roof Projection =	3.50	ft
Sidewall OH =	12	in	Mean Roof Height =	21.58	ft
Endwall OH =	12	in	Min. Mean Roof Height =	25	ft

Wind Loads

Wind Speed =	180	mph
Exposure =	D	
Wind Pressure qh =	47.4	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	-51.2	32.2	psf
Zone 2	-89.1	32.2	psf
Zone 2 OH	-131.7		
Zone 3	-112.8	32.2	psf
Zone 3 OH	-183.8		
Zone 4	-60.6	55.9	psf
Zone 5	-74.9	55.9	psf

Main Wind Force Resisting System

		Trans	Long	
EZ	Wall	55.3	49.3	psf
	Roof	-23.2	-23.2	psf
IZ	Wall	36.7	32.7	psf
	Roof	-13.5	-13.5	psf

Soffit Loading for Overhang

Positive =	58.7	psf
Negative =	-71.1	psf

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Allowable No. of Floors:	1
Wind Velocity:	180 MPH Vult 139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MFI2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

Design Criteria

Wind Speed:	180	mph
Wind Exposure:	D	
Mean Roof Height:	25.00	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:	40	psf

Building Dimensions

Length:	56	ft
Width:	30	ft
Module Width:	15	ft
Wall Height:	9	ft
Roof Pitch:	2.06	/12
Truss Spacing:	16	in
Heel Height:	4.75	in

Truss Reactions

	Sidewall		Matewall	
Uplift	-521	lbs	-561	lbs
Gravity	347	lbs	347	lbs

Vertical Load Cases

Roof Level

D	107	plf	107	plf
L	0	plf	0	plf
Lr	153	plf	153	plf
W	-758	plf	-808	plf
.75(L+Lr)	115	plf	115	plf
D+L	107	plf	107	plf
D+Lr	260	plf	260	plf
D+.75(L+Lr)	222	plf	222	plf
.6D+.6W	-391	plf	-421	plf

Floor Level

D	227	plf	227	plf
L	300	plf	300	plf
Lr	153	plf	153	plf
W	-758	plf	-808	plf
.75(L+Lr)	340	plf	340	plf
D+L	527	plf	527	plf
D+Lr	380	plf	380	plf
D+.75(L+Lr)	567	plf	567	plf
.6D+.6W	-319	plf	-349	plf

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Wind Velocity:	180 MPH Vult,139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MET2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

Wind Design ASCE 7-10

Wind Speed:	180	mph
Wind Exposure:	D	
Mean Roof Height:	25.00	ft
Length:	56	ft
Width:	30	ft
Module Width:	15	ft
Wall Height:	9	ft
Roof Pitch:	2.06	/12
Truss Spacing:	16	in
Roof Projection:	3.50	ft

MWFRS Horizontal Loads

		Trans	Long	
EZ	Wall	55.3	49.3	psf
	Roof	-23.2	-23.2	psf
IZ	Wall	36.7	32.7	psf
	Roof	-13.5	-13.5	psf

EZ 2a = 6 ft

Wall Sheathing Suction W = 109 lbs

Stud Spacing = 16 in

			Edge	Field	
Zone 4	-60.6	psf	6	12	in o.c.
Zone 5	-74.9	psf	6	12	in o.c.

Wind Load at Roof Level

Perpendicular to Ridge:	4879	lbs
Parallel to Ridge:	3371	lbs

Wind Load at Floor Level

Perpendicular to Ridge:	10841	lbs
Parallel to Ridge:	6342	lbs

Shearwalls

Transverse

	∑FHS		Unit Shear		Overturning Moment	
Shearwall 1	30	ft	163	plf	1464	lbs
Shearwall 3	16	ft	305	plf	2744	lbs

Longitudinal

Shearwall 2	27.5	ft	123	plf	1103	lbs
Co =	0.865		142	plf	1276	lbs
Shearwall 4	38	ft	89	plf	798	lbs
Co =	0.94		94	plf	849	lbs

7/16" Sheathing	6" o.c.	4" o.c.	3" o.c	2" o.c.
.113"x2.38" nails	252 plf	378 plf	504 plf	644 plf
16 ga staples	195 plf	298 plf	396 plf	505 plf

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Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MFT2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

Bottom Plate to Floor w/ 8d nails Z = 161 lbs

Out of Plane F = 165 plf

3 nails / bay = 241.5 plf Allowable In-Plane shear = 176.06 plf

Sliding Force

Perpendicular to Ridge:	10841	lbs	Unit Shear:	361	plf
Parallel to Ridge:	6342	lbs	Unit Shear:	127	plf
.162 " toe-nail Z =	204	lbs	6" o.c. =	408	plf
OSB w/ .131" Z =	108	lbs	3" o.c. =	432	plf

Roof Diaphragm

Roof Diaphragm

V =	4879	lbs	7/16" sheathing w/ .113" nails:	225	plf
Unit shear =	152	plf	6" o.c. edge, 12" o.c. field		

Floor Diaphragm

V =	5963	lbs	19/32" sheathing w/ .099" nails:	210	plf
Unit shear =	199	plf	6" o.c. edge, 6" o.c. field		

Components and Cladding Loading

Wind Speed:	180	mph	Wall Framing Spacing:	16 in
Exposure:	D		Roof Framing Spacing:	16 in

C+C (psf)	-	+	
Zone 1	-51.2	32.2	psf
Zone 2	-89.1	32.2	psf
Zone 2 OH	-131.7	--	psf
Zone 3	-112.8	32.2	psf
Zone 3 OH	-183.8	--	psf
Zone 4	-60.6	55.9	psf
Zone 5	-74.9	55.9	psf

Suction Fastening Requirements (spacing limited to diaphragm spacing requirements)

Fastener = .113"x2.38" nail W = 109 lbs

	Edge	Field	
Zone 1	6.0	12.0	in o.c.
Zone 2	6.0	11.0	in o.c.
Zone 2 OH	6.0	7.4	in o.c.
Zone 3	6.0	8.7	in o.c.
Zone 3 OH	6.0	5.3	in o.c.

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Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MFT2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

Uplift Connections

Truss Reactions

Sidewall			Matewall		
Horiz. =	226	lbs	Gravity =	347	lbs
Uplift =	-521	lbs	Uplift =	-561	lbs

Simpson H2.5A 600 lbs **OK for Uplift**

Use Simpson H2.5A strap each truss

OSB Overlap at Top Plate

F = -391 plf

Minimum 7/16" sheathing with .113 nails Z = 94 lbs

Nail Spacing = 2 inches o.c.

Rows = One Row **Lap Sheathing Over Top Plate and Fasten with One Row of .113 nails at 2 inches o.c.**

Horizontal Connection

#8 toe screw 134 lbs

F = 226 lbs

2 fasteners required

Use (2) #8 toe screws each truss

Girder Connection Over Openings **Uplift Controls**

Truss to Girder .131"x3" nail

F = -561 lbs

Qty Required = 7 **Use (7) .131"x3" nails each truss**

Uplift Strap Connection at Matewall

F = -561 lbs **OK for Uplift**

LSTA9 740 lbs **Use LSTA9 strap 16 inches o.c., rail to stud**

Spacing = 21 inches o.c.

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

APPROVED BY NTA INC.

Const. Type:	VB-unprotected
Occupancy:	R3
Allowable No. of Floors:	1
Wind Velocity:	180 MPH Vult 139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MET2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

Uplift Connection at Floor

Sidewall

F = -532 plf

Option 1 w/ Straps

LSTA9 740 lbs Strap Spacing = 16 inches o.c.

Use LSTA9 strap 16 inches o.c., w/ (5) .131"nails

Option 2 w/ OSB Overlap

F = -532 plf

Minimum 7/16" sheathing with .113 nails Z = 94 lbs

Nail Spacing = 2 inches o.c.

Rows = One Row **Lap Sheathing Over Band and Fasten with One Row of .113 nails at 2 inches o.c.**

Matewall

F = -421 plf

LSTA9 740 lbs

Option 1 - Straps with Full Nail Quota **Ok for Uplift**

Use LSTA9 strap 16 inches o.c., rail to stud

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Occupancy:	R3
Allowable No. of Floors:	1
Wind Velocity:	180 MPH Vult 139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MFT2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

WoodWorks® SOFTWARE FOR WOOD DESIGN	**COMPANY** Erik Myers PE PLLC 2805 28th St Parkersburg, WV 26104 (304)-834-9510 July 28, 2016 12:17	**PROJECT** Beam1.wwb

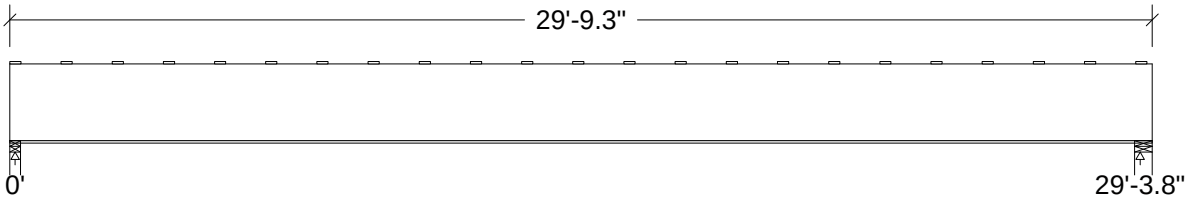
Design Check Calculation Sheet

WoodWorks Sizer 10.2

Loads:

Load	Type	Distribution	Pat-tern	Location [ft] Start	End	Magnitude Start	End	Unit
Load1	Dead	Full UDL				110.0		plf
Load2	Roof constr.	Full UDL				150.0		plf
Load3	Wind	Full UDL				-535.0		plf
Self-weight	Dead	Full UDL				12.1		plf

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



Unfactored:			
Dead	1805		1825
Wind	-7916		-8011
Roof Live	2220		2246
Factored:			
Uplift	3596		3641
Total	4025		4071
Bearing:			
Capacity			
Beam	4400		7219
Supports	4025		6603
Anal/Des			
Beam	0.91		0.56
Support	1.00		0.62
Load comb	#2		#2
Length	3.35		5.50
Min req'd	3.35**		3.39**
Cb	1.00		1.00
Cb min	1.00		1.00
Cb support	1.21		1.21
Fcp sup	565		565

**Minimum bearing length governed by the required width of the supporting member.

LVL n-ply, 2.0E, 2950Fb, 1-3/4"x24", 1-ply

Supports: All - Lumber Stud Wall, S. Pine No.2

Total length: 29'-9.3";

Lateral support: top= 16 bottom= full; [in]

WARNING: this CUSTOM SIZE is not in the database. Refer to online help.

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Plan No.: MFT2437-ME563-620-108
Allow. Floor Load: 40 PSF
Approval Date: 8/25/2016
Manufacturer: Destiny Industries, LLC

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

Criterion	Analysis Value	Design Value	Analysis/Design
Shear	fv = 122	Fv' = 356	fv/Fv' = 0.34
Bending(+)	fb = 2088	Fb' = 3320	fb/Fb' = 0.63
Bending(-)	fb = 1864	Fb' = 4720	fb/Fb' = 0.39
Live Defl'n	-1.32 = L/265	1.47 = L/240	0.90
Total Defl'n	-1.02 = L/344	1.95 = L/180	0.52

Additional Data:

FACTORS:	F/E(psi)	CD	CM	Ct	CL	CV	Cfu	Cr	Cfrt	Ci	Cn	LC#
Fv'	285	1.25	-	1.00	-	-	-	-	1.00	-	1.00	2
Fb'+	2950	1.25	-	1.00	0.900	1.00	-	1.00	1.00	-	-	2
Fb'-	2950	1.60	-	1.00	1.000	1.00	-	1.00	1.00	-	-	4
Fcp'	750	-	-	1.00	-	-	-	-	1.00	-	-	-
E'	2.0 million		-	1.00	-	-	-	-	1.00	-	-	4
Eminy'	1.04 million		-	1.00	-	-	-	-	1.00	-	-	4

CRITICAL LOAD COMBINATIONS:

```
 Shear     : LC #2  = D+Lr, V =   3988, V design =   3406 lbs
 Bending(+): LC #2  = D+Lr, M =  29228 lbs-ft
 Bending(-): LC #4  = .6D+.6W, M =  26091 lbs-ft
 Deflection: LC #4  = .6D+.6W  (live)
             LC #2  = D+Lr  (total)
 D=dead L=live S=snow W=wind I=impact Lr=roof live Lc=concentrated E=earthquake
 All LC's are listed in the Analysis output
 Load Patterns: s=S/2,  X=L+S or L+Lr,  _=no pattern load in this span
 Load combinations: ASCE 7-10 / IBC 2012
```

CALCULATIONS:

```
 Deflection:  EI =   4032e06 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. SCL-BEAMS (Structural Composite Lumber): the attached SCL selection is for preliminary design only. For final member design contact your local SCL manufacturer.
4. Size factors vary from one manufacturer to another for SCL materials. They can be changed in the database editor.
5. BUILT-UP SCL-BEAMS: contact manufacturer for connection details when loads are not applied equally to all plys.
6. FIRE RATING: Joists, wall studs, and multi-ply members are not rated for fire endurance.

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Plan No.:	MFT2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

WoodWorks® SOFTWARE FOR WOOD DESIGN	**COMPANY** Erik Myers PE PLLC 2805 28th St Parkersburg, WV 26104 (304)-834-9510 July 28, 2016 16:23	**PROJECT** Beam2.wwb

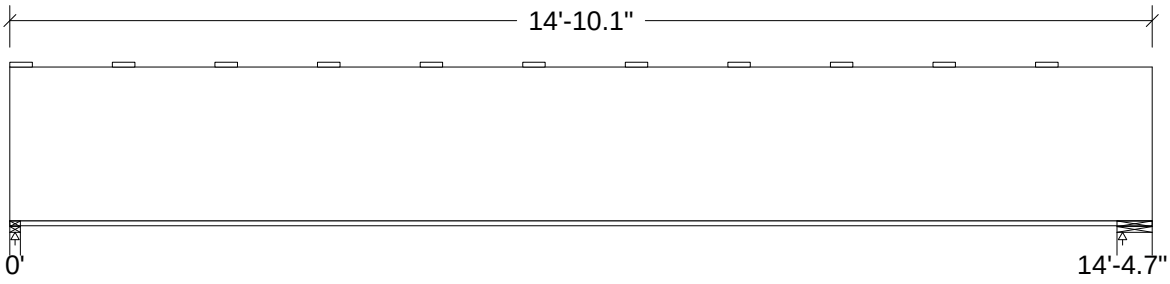
Design Check Calculation Sheet

WoodWorks Sizer 10.2

Loads:

Load	Type	Distribution	Pat-tern	Location [ft] Start	End	Magnitude Start	End	Unit
Load1	Dead	Full UDL				110.0		plf
Load2	Roof constr.	Full UDL				150.0		plf
Load3	Wind	Full UDL				-535.0		plf
Load4	Wind	Partial UDL		0.00	6.00	-235.0	-235.0	plf
Self-weight	Dead	Full UDL				12.1		plf

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



Unfactored:			
Dead	886		921
Wind	-5009		-4344
Roof Live	1090		1137
Factored:			
Uplift	2439		2019
Total	1976		2058
Bearing:			
Capacity			
Beam	2160		7219
Supports	1976		6603
Anal/Des			
Beam	0.91		0.29
Support	1.00		0.31
Load comb	#2		#2
Length	1.65		5.50
Min req'd	1.65**		1.71**
Cb	1.00		1.00
Cb min	1.00		1.00
Cb support	1.21		1.21
Fcp sup	565		565

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Approval Date: 8/25/2016
Manufacturer: Destiny Industries, LLC

**Minimum bearing length governed by the required width of the supporting member.

LVL n-ply, 2.0E, 2950Fb, 1-3/4"x24", 1-ply

Supports: All - Lumber Stud Wall, S. Pine No.2

Total length: 14'-10.1";

Lateral support: top= 16 bottom= full; [in]

WARNING: this CUSTOM SIZE is not in the database. Refer to online help.

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

Criterion	Analysis Value	Design Value	Analysis/Design
Shear	fv = 86	Fv' = 456	fv/Fv' = 0.19
Bending(+)	fb = 503	Fb' = 3320	fb/Fb' = 0.15
Bending(-)	fb = 542	Fb' = 4720	fb/Fb' = 0.11
Live Defl'n	-0.09 = <L/999	0.72 = L/240	0.12
Total Defl'n	-0.07 = <L/999	0.96 = L/180	0.07

Additional Data:

FACTORS:	F/E(psi)	CD	CM	Ct	CL	CV	Cfu	Cr	Cfrt	Ci	Cn	LC#
Fv'	285	1.60	-	1.00	-	-	-	-	1.00	-	1.00	4
Fb'+	2950	1.25	-	1.00	0.900	1.00	-	1.00	1.00	-	-	2
Fb'-	2950	1.60	-	1.00	1.000	1.00	-	1.00	1.00	-	-	4
Fcp'	750	-	-	1.00	-	-	-	-	1.00	-	-	-
E'	2.0 million		-	1.00	-	-	-	-	1.00	-	-	4
Eminy'	1.04 million		-	1.00	-	-	-	-	1.00	-	-	4

CRITICAL LOAD COMBINATIONS:

```
 Shear     : LC #4  = .6D+.6W, V =   2412, V design =   2412 lbs
 Bending(+): LC #2  = D+Lr, M =   7043 lbs-ft
 Bending(-): LC #4  = .6D+.6W, M =   7589 lbs-ft
 Deflection: LC #4  = .6D+.6W  (live)
             LC #4  = .6D+.6W  (total)
 D=dead L=live S=snow W=wind I=impact Lr=roof live Lc=concentrated E=earthquake
 All LC's are listed in the Analysis output
 Load Patterns: s=S/2,  X=L+S or L+Lr,  _=no pattern load in this span
 Load combinations: ASCE 7-10 / IBC 2012
```

CALCULATIONS:

```
 Deflection:  EI =   4032e06 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. SCL-BEAMS (Structural Composite Lumber): the attached SCL selection is for preliminary design only. For final member design contact your local SCL manufacturer.
4. Size factors vary from one manufacturer to another for SCL materials. They can be changed in the database editor.
5. BUILT-UP SCL-BEAMS: contact manufacturer for connection details when loads are not applied equally to all plys.
6. FIRE RATING: Joists, wall studs, and multi-ply members are not rated for fire endurance.

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

APPROVED BY NTA INC.

Const. Type: VB-unprotected
Occupancy: R3
Allowable No. of Floors: 1
Wind Velocity: 180 MPH Vult,139 MPH Vasd
Fire Rating of Ext. Walls: 0 Hr
Plan No.: MFT2437-ME563-620-108
Allow. Floor Load: 40 PSF
Approval Date: 8/25/2016
Manufacturer: Destiny Industries, LLC

WoodWorks® SOFTWARE FOR WOOD DESIGN	**COMPANY** Erik Myers PE PLLC 2805 28th St Parkersburg, WV 26104 (304)-834-9510 July 28, 2016 16:26	**PROJECT** Column1.wwc

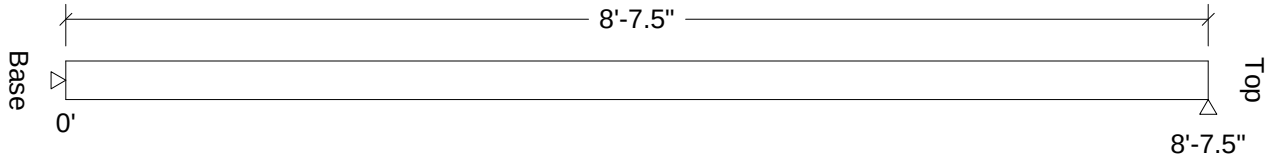
Design Check Calculation Sheet

WoodWorks Sizer 10.2

Loads:

Load	Type	Distribution	Pat-tern	Location [ft] Start	End	Magnitude Start	End	Unit
Load1	Dead	Axial		(Ecc. = 0.00")		1825		lbs
Load2	Roof live	Axial		(Ecc. = 0.00")		2246		lbs
Load3	Wind	Axial		(Ecc. = 0.00")		-8011		lbs
Self-weight	Dead	Axial				23		lbs

Lateral Reactions (lbs):



Unfactored: Dead Wind Roof Live			
Factored: L->R Load comb			

Lumber n-ply, S. Pine, No.2, 2x4, 2-ply (3"x3-1/2")

Support: Lumber-soft Sill plate, S. Pine No.3; Bearing length = column width

Total length: 8'-7.5";

Pinned base; Load face = width(b); Built-up fastener: nails; Ke x Lb: 1.0 x 0.0 = 0.0 [ft]; Ke x Ld: 1.0 x 8.63 = 8.63 [ft];

Repetitive factor: applied where permitted (refer to online help);

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

Criterion	Analysis Value	Design Value	Analysis/Design
Axial	fc = 390	Fc' = 441	fc/Fc' = 0.88
Axial Bearing	fc = 390	Fc* = 1450	fc/Fc* = 0.27
Support Bearing	fcp = 392	Fcp = 636	fcp/Fcp = 0.62

Additional Data:

FACTORS:	F/E(psi)	CD	CM	Ct	CL/CP	CF	Cfu	Cr	Cfrt	Ci	LC#
Fc'	1250	1.00	1.00	1.00	0.304	1.160	-	-	1.00	1.00	2
Fc*	1250	1.00	1.00	1.00	-	1.160	-	-	1.00	1.00	2
Fcp sup	565	-	1.00	1.00	-	-	-	-	1.00	1.00	2

CRITICAL LOAD COMBINATIONS:

Axial : LC #2 = D+Lr, P = 4094 lbs Kf = 1.00

Support : LC #2 = D+Lr; R = 4118 lbs, Cap = 6674, Lb = 3.00", Cb = 1.13

D=dead L=live S=snow W=wind I=impact Lr=roof live Lc=concentrated E=earthquake

All LC's are listed in the Analysis output

Load combinations: ASCE 7-10 / IBC 2012

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

APPROVED BY NTA INC.

Const. Type: VB-unprotected
Occupancy: R3
Allowable No. of Floors: 1
Wind Velocity: 180 MPH Vult,139 MPH Vasd
Fire Rating of Ext. Walls: 0 Hr
Plan No.: MFT2437-ME563-620-108
Allow. Floor Load: 40 PSF
Approval Date: 8/25/2016
Manufacturer: Destiny Industries, LLC

WoodWorks® SOFTWARE FOR WOOD DESIGN	**COMPANY** Erik Myers PE PLLC 2805 28th St Parkersburg, WV 26104 (304)-834-9510 July 28, 2016 16:27	**PROJECT** Column2.wwc

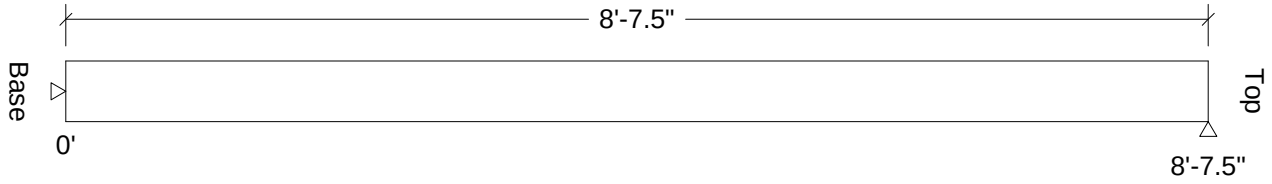
Design Check Calculation Sheet

WoodWorks Sizer 10.2

Loads:

Load	Type	Distribution	Pat-tern	Location [ft] Start	End	Magnitude Start	End	Unit
Load1	Dead	Axial		(Ecc. = 0.00")		1825		lbs
Load2	Roof live	Axial		(Ecc. = 0.00")		2246		lbs
Load3	Wind	Axial		(Ecc. = 0.00")		-8011		lbs
Self-weight	Dead	Axial				18		lbs

Lateral Reactions (lbs):



Unfactored: Dead Wind Roof Live			
Factored: L->R Load comb			

Lumber n-ply, S. Pine, No.2, 2x6, 1-ply (1-1/2"x5-1/2")

Support: Lumber-soft Sill plate, S. Pine No.3; Bearing length = column width

Total length: 8'-7.5";

Pinned base; Load face = width(b); Ke x Lb: 1.0 x 0.0 = 0.0 [ft]; Ke x Ld: 1.0 x 8.63 = 8.63 [ft]; Repetitive factor: applied where permitted (refer to online help);

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

Criterion	Analysis Value	Design Value	Analysis/Design
Axial	fc = 496	Fc' = 883	fc/Fc' = 0.56
Axial Bearing	fc = 496	Fc* = 1400	fc/Fc* = 0.35
Support Bearing	fcp = 496	Fcp = 706	fcp/Fcp = 0.70

Additional Data:

FACTORS:	F/E(psi)	CD	CM	Ct	CL/CP	CF	Cfu	Cr	Cfrt	Ci	LC#
Fc'	1250	1.00	1.00	1.00	0.630	1.120	-	-	1.00	1.00	2
Fc*	1250	1.00	1.00	1.00	-	1.120	-	-	1.00	1.00	2
Fcp sup	565	-	1.00	1.00	-	-	-	-	1.00	1.00	2

CRITICAL LOAD COMBINATIONS:

Axial : LC #2 = D+Lr, P = 4089 lbs

Support : LC #2 = D+Lr; R = 4089 lbs, Cap = 5826, Lb = 1.50", Cb = 1.25

D=dead L=live S=snow W=wind I=impact Lr=roof live Lc=concentrated E=earthquake

All LC's are listed in the Analysis output

Load combinations: ASCE 7-10 / IBC 2012

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

APPROVED BY NTA INC.

Const. Type: VB-unprotected
Occupancy: R3
Allowable No. of Floors: 1
Wind Velocity: 180 MPH Vult,139 MPH Vasd
Fire Rating of Ext. Walls: 0 Hr
Plan No.: MFT2437-ME563-620-108
Allow. Floor Load: 40 PSF
Approval Date: 8/25/2016
Manufacturer: Destiny Industries, LLC

WoodWorks® SOFTWARE FOR WOOD DESIGN	**COMPANY** Erik Myers PE PLLC 2805 28th St Parkersburg, WV 26104 (304)-834-9510 July 28, 2016 16:29	**PROJECT** Column3.wwc

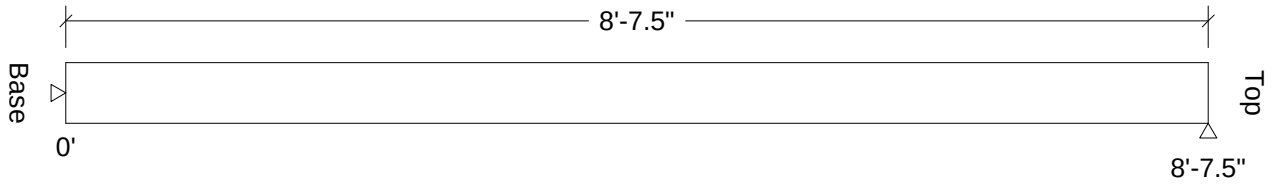
Design Check Calculation Sheet

WoodWorks Sizer 10.2

Loads:

Load	Type	Distribution	Pat-tern	Location [ft] Start	End	Magnitude Start	End	Unit
Load1	Dead	Axial		(Ecc. = 0.00")		921		lbs
Load2	Roof live	Axial		(Ecc. = 0.00")		1137		lbs
Load3	Wind	Axial		(Ecc. = 0.00")		-5009		lbs
Load4	Wind	Full UDL				66.0		plf
Self-weight	Dead	Axial				18		lbs

Lateral Reactions (lbs):



Unfactored:			
Dead			
Wind	285		285
Roof Live			
Factored:			
L->R	171		171
Load comb	#4		#4

Lumber n-ply, S. Pine, No.2, 2x6, 1-ply (1-1/2"x5-1/2")

Support: Lumber-soft Sill plate, S. Pine No.3; Bearing length = column width

Total length: 8'-7.5";

Pinned base; Load face = width(b); Ke x Lb: 1.0 x 0.0 = 0.0 [ft]; Ke x Ld: 1.0 x 8.63 = 8.63 [ft]; Lateral support: top = Lb, bottom = Lb; Repetitive factor: applied where permitted (refer to online help);

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

Criterion	Analysis Value	Design Value	Analysis/Design
Shear	fv = 31	Fv' = 280	fv/Fv' = 0.11
Bending(+)	fb = 584	Fb' = 1600	fb/Fb' = 0.37
Axial	ft = 295	Ft' = 960	ft/Ft' = 0.31
Combined (tension + side load bending)		Eq.3.9-1	or 3.9-2 = 0.67
Live Defl'n	0.17 = L/611	0.57 = L/180	0.29
Total Defl'n	0.17 = L/611	0.57 = L/180	0.29

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

APPROVED BY NTA INC.

Const. Type: VB-unprotected
Occupancy: R3
Allowable No. of Floors: 1
Wind Velocity: 180 MPH Vult,139 MPH Vasd
Fire Rating of Ext. Walls: 0 Hr
Plan No.: MET2437-ME563-620-108
Allow. Floor Load: 40 PSF
Approval Date: 8/25/2016
Manufacturer: Destiny Industries, LLC

WoodWorks® SOFTWARE FOR WOOD DESIGN	**COMPANY** Erik Myers PE PLLC 2805 28th St Parkersburg, WV 26104 (304)-834-9510 July 28, 2016 16:30	**PROJECT** Column4.wwc

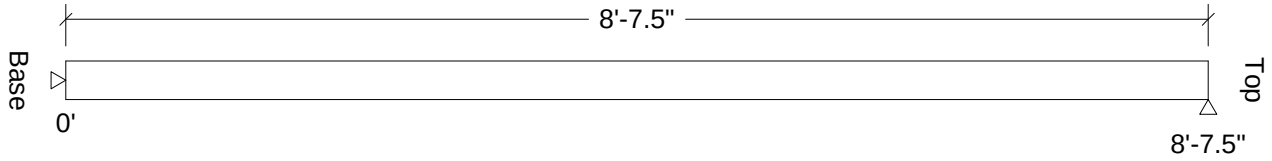
Design Check Calculation Sheet

WoodWorks Sizer 10.2

Loads:

Load	Type	Distribution	Pat-tern	Location [ft] Start	End	Magnitude Start	End	Unit
Load1	Dead	Axial		(Ecc. = 0.00")		921		lbs
Load2	Roof live	Axial		(Ecc. = 0.00")		1137		lbs
Load3	Wind	Axial		(Ecc. = 0.00")		-5009		lbs
Self-weight	Dead	Axial				12		lbs

Lateral Reactions (lbs):



Unfactored: Dead Wind Roof Live			
Factored: L->R Load comb			

Lumber n-ply, S. Pine, No.2, 2x4, 1-ply (1-1/2"x3-1/2")

Support: Lumber-soft Sill plate, S. Pine No.3; Bearing length = column width

Total length: 8'-7.5";

Pinned base; Load face = width(b); Ke x Lb: 1.0 x 0.0 = 0.0 [ft]; Ke x Ld: 1.0 x 8.63 = 8.63 [ft]; Repetitive factor: applied where permitted (refer to online help);

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

Criterion	Analysis Value	Design Value	Analysis/Design
Axial	fc = 394	Fc' = 441	fc/Fc' = 0.89
Axial Bearing	fc = 394	Fc* = 1450	fc/Fc* = 0.27
Support Bearing	fcp = 394	Fcp = 706	fcp/Fcp = 0.56

Additional Data:

FACTORS:	F/E(psi)	CD	CM	Ct	CL/CP	CF	Cfu	Cr	Cfrt	Ci	LC#
Fc'	1250	1.00	1.00	1.00	0.304	1.160	-	-	1.00	1.00	2
Fc*	1250	1.00	1.00	1.00	-	1.160	-	-	1.00	1.00	2
Fcp sup	565	-	1.00	1.00	-	-	-	-	1.00	1.00	2

CRITICAL LOAD COMBINATIONS:

Axial : LC #2 = D+Lr, P = 2070 lbs

Support : LC #2 = D+Lr; R = 2070 lbs, Cap = 3708, Lb = 1.50", Cb = 1.25

D=dead L=live S=snow W=wind I=impact Lr=roof live Lc=concentrated E=earthquake

All LC's are listed in the Analysis output

Load combinations: ASCE 7-10 / IBC 2012

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

APPROVED BY NTA INC.

Const. Type: VB-unprotected
Occupancy: R3
Allowable No. of Floors: 1
Wind Velocity: 180 MPH Vult,139 MPH Vasd
Fire Rating of Ext. Walls: 0 Hr
Plan No.: MFT2437-ME563-620-108
Allow. Floor Load: 40 PSF
Approval Date: 8/25/2016
Manufacturer: Destiny Industries, LLC

Sidewall Header

Species =	SYP			W =	-391	plf		Ld =	1.6
Grade =	#2			LL =	107	plf		Ld =	1
b =	1.5	in		DL =	153	plf			
d =	5.5	in		LLΔ = L/	240				
A =	16.50	in^2		TLΔ = L/	180				
S =	15.13	in^3		WΔ = L/	240				
I =	41.59	in^4							
Qty =	2			Span =	38	in			
Fb =	1000	psi							
Fv =	175	psi			L+D			W	
E =	1400000	psi		F'b =	1000.00	psi		F'b =	1600.00 psi
Lr =	1			F'v =	175	psi		F'v =	280 psi
Cfb =	1								

	L+D			W		
Mu =	3910.833	in-lbs		Mu =	4500.467	in-lbs	
Mn =	15125	in-lbs	OK	Mn =	24200	in-lbs	OK

	L+D			W		
Vu =	411.6667	lbs		Vu =	473.7333	lbs	
Vn =	1925	lbs	OK	Vn =	3080	lbs	OK

LLΔ =	0.00	in	Allowable LLΔ =	0.16 in	OK
TLΔ =	0.01	in	Allowable TLΔ =	0.21 in	OK
WΔ =	0.02	in	Allowable TLΔ =	0.16 in	OK

Reaction			Uplift Reaction		
F =	412	lbs	F =	-620	lbs

Use (2) 2 x 6 #2 SYP for 3' 2" span

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

APPROVED BY NTA INC.

Const. Type:	VB-unprotected
Occupancy:	R3
Allowable No. of Floors:	1
Wind Velocity:	180 MPH Vult 139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MFT2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

Sidewall Header at Porch

Species =	SYP			W =	-826	plf		Ld =	1.6
Grade =	#2			LL =	157	plf		Ld =	1
b =	1.5	in		DL =	110	plf			
d =	11.25	in		LLΔ =	L/ 240				
A =	33.75	in^2		TLΔ =	L/ 180				
S =	63.28	in^3		WΔ =	L/ 180				
I =	355.96	in^4							
Qty =	2			Span =	93	in			
Fb =	750	psi							
Fv =	175	psi			L+D			W	
E =	1400000	psi		F'b =	750.00	psi		F'b =	1200.00 psi
Lr =	1			F'v =	175	psi		F'v =	280 psi
Cfb =	1								

	L+D			W		
Mu =	24055.03	in-lbs		Mu =	74417.44	in-lbs	
Mn =	47460.94	in-lbs	OK	Mn =	75937.5	in-lbs	OK

	L+D			W		
Vu =	1034.625	lbs		Vu =	2945	lbs	
Vn =	3937.5	lbs	OK	Vn =	6300	lbs	OK

LLΔ =	0.03	in	Allowable LLΔ =	0.39	in	OK
TLΔ =	0.03	in	Allowable TLΔ =	0.52	in	OK
WΔ =	0.13	in	Allowable TLΔ =	0.52	in	OK

Reaction			Uplift Reaction		
F =	1035	lbs	F =	-3201	lbs

Use (2) 2 x 12 #2 SYP for 7' 9" span

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

APPROVED BY NTA INC.

Const. Type:	VB-unprotected
Occupancy:	R3
Allowable No. of Floors:	1
Wind Velocity:	180 MPH Vult 139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MFT2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

Header Connections

H =	60	in		
W =	38	in		
Wall H =	108	in		
Stud =	16	in o.c.		
C+C =	74.9	psf	C +C =	337 plf
Uplift =	391	plf		
Fr =	516	plf		
F =	817	lbs		
.131" Z =	114	lbs		

Header to King Stud

F =	817	lbs
	8	nails

Stud to Plate

W1 =	50	plf	a =	78 in
W2 =	169	plf	c =	30 in
R top =	720	lbs		
R bot =	843	lbs		
Max =	843	lbs		
	8	nails		

Uplift

Truss =	16	in o.c.
F =	880	lbs
LSTA12	925	lbs
	1	straps

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

APPROVED BY NTA INC.

Const. Type:	VB-unprotected
Occupancy:	R3
Allowable No. of Floors:	1
Wind Velocity:	180 MPH Vult 139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MET2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

Header Connections

H =	80	in		
W =	74	in		
Wall H =	108	in		
Stud =	16	in o.c.		
C+C =	60.6	psf	C +C =	273 plf
Uplift =	0	plf		
Fr =	273	plf		
F =	841	lbs		
.131" Z =	114	lbs		

Header to King Stud

F =	841	lbs
	8	nails

Stud to Plate

W1 =	40	plf	a =	68 in
W2 =	227	plf	c =	40 in
R top =	920	lbs		
R bot =	907	lbs		
Max =	920	lbs		
	9	nails		

Uplift

Truss =	16	in o.c.
F =	0	lbs
LSTA9	625	lbs
	0	straps

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

APPROVED BY NTA INC.

Const. Type:	VB-unprotected
Occupancy:	R3
Allowable No. of Floors:	1
Wind Velocity:	180 MPH Vult 139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MET2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

Sidewall Stud

						W =	-391	plf
L =	103.5	in	Ke =	1		DL =	107	plf
d =	5.5	in	le =	103.5	in	LL =	153	plf
t =	1.5	in	le/d =	18.82	< 50 OK	span =	38	in
			Cd =	1				
Spacing =	16	in	Cf(Fc) =	1		Cf(Fb) =	1	

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

Qty	A (in^2)	S (in^3)	I (in^4)	F'b psi	F'c psi
1	8.25	7.56	20.80	1000	1400
2	16.50	15.13	41.59	1000	1400
3	24.75	22.69	62.39	1150	1400

Axial Compression

Qty	FcE psi	αc	Cp	F'c psi	fc psi	fc/F'c		Capacity
1	1184	0.85	0.63	883	71	0.08	**OK**	7281 lbs
2	1184	0.85	0.63	883	35	0.04	**OK**	14563 lbs
3	1184	0.85	0.63	883	24	0.03	**OK**	21845 lbs

Lateral Bending W = 75 psf

Qty	M (in-lbs)	F'c psi	fb psi	fb/F'c	
1	5579.30	1000	738	0.74	**OK**
2	5579.30	1000	369	0.37	**OK**
3	5579.30	1150	246	0.21	**OK**

Combined Stresses

Qty	Axial	Lateral	Combined		Max Axial Combined
1	0.08	0.74	0.79	**OK**	2514 lbs
2	0.04	0.37	0.38	**OK**	12322 lbs
3	0.03	0.21	0.22	**OK**	23028 lbs

Reaction		Uplift Reaction	
F =	585 lbs	F =	-880 lbs

Use (1) 2 x 6 #2 SYP for 3' 2" span
(1) Jack / (1) Jamb

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

APPROVED BY NTA INC.

Const. Type:	VB-unprotected
Occupancy:	R3
Allowable No. of Floors:	1
Wind Velocity:	180 MPH Vult,139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MFT2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

Floor Joist Calculation

Loading: Uniform Wet Service: No

C_D: 1

LL: 40 psf LLΔ L/ 360
DL: 10 psf TLΔ L/ 240

Joist Options:

	Width	Depth	Species	Grade	Fb	Fv	E	C_F
1	1.5	11.25	SP	#2	750	175	1400000	1

	Spacing	Qty	A in^2	S in^3	I in^4	Cr	F'b	F'v	E'
1	16	1	16.875	31.64	178	1.15	863	175	1400000

	Design Limits					
	Bending	Shear	LLΔ	TLΔ	Max Span Uniformly Loaded	
1	198	1063	229	212	198	in

Connections Wet Service: Yes

C_M: 0.7

Span = 172 in F = 478 lbs
Spacing = 16 in

Fastener = .131" x 3" nail Z = 71 lbs
Qty = 7 fasteners in end grain

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

APPROVED BY NTA INC.

Const. Type:	VB-unprotected
Occupancy:	R3
Allowable No. of Floors:	1
Wind Velocity:	180 MPH Vult,139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MFT2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

Floor Rim Band Spans LLΔ = L/ 360
TLΔ = L/ 240

Sidewall Loading		Matewall Loading		Floor Load Only	
LL =	340 plf	LL =	340 plf	LL =	297 plf
DL =	227 plf	DL =	227 plf	DL =	75 plf

Sidewall Loading

	Qty	b	d		Spc	Grade	Fb	Fb'	Fv	E
1	2	1.5	11.25		SP	#2	750	750	175	1400000
2	3	1.5	11.25		SP	#2	750	863	175	1400000

	A	S	I	M	V	LLΔ	TLΔ	Max Span	
1	33.8	63.28	355.957	89.6	167	155	150	90	in
2	50.6	94.92	533.936	118	250	178	172	118	in

Matewall Loading

	Qty	b	d		Spc	Grade	Fb	Fb'	Fv	E
1	2	1.5	11.25		SP	#2	750	750	175	1400000
2	3	1.5	11.25		SP	#2	740	851	175	1400000

	A	S	I	M	V	LLΔ	TLΔ	Max Span	
1	33.8	63.28	355.957	89.6	167	155	150	90	in
2	50.6	94.92	533.936	117	250	178	172	117	in

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

APPROVED BY NTA INC.

Const. Type:	VB-unprotected
Occupancy:	R3
Allowable No. of Floors:	1
Wind Velocity:	180 MPH Vult,139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MFI2437-MF563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

Floor Loading

	Qty	b	d		Spc	Grade	Fb	Fb'	Fv	E
1	2	1.5	11.25		SP	#2	750	750	175	1400000
2	3	1.5	11.25		SP	#2	750	863	175	1400000

	A	S	I	M	V	LLΔ	TLΔ	Max Span	
1	33.8	63.28	355.957	111	254	163	173	111	in
2	50.6	94.92	533.936	145	381	186	198	146	in

Summary	Max Spans			
	Sidewall - no splice[1]	Sidewall w/ 1 splice[2]	Matewall[1]	Floor Only[1]
(2) #2 SP 2x12	7' 6"	5' 4"	7' 6"	9' 3"
(3) #2 SP 2x12	9' 10"	7' 6"	9' 9"	12' 2"

Notes:
1. Rim joist splices at support locations. 2. One rim spliced between support locations.

Overhang Calculation (Ladder Framing)

Loading Conditions:

1	LL:	20	psf		
2	LL:	-131.7	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
1	1.5	5.5	SPF	#1/#2	875	135	1400000	1.3
2	1.5	5.5	SPF	#1/#2	875	135	1400000	1.3

	Spacing	Qty	A in^2	S in^3	I in^4	Cr	F'b	F'v	E'
1	16	1	8.25	7.5625	20.797	1.15	1308	131	1400000
2	16	1	8.25	7.5625	20.797	1.15	2093	210	1400000

Design Limits

	Bending	Shear	LLΔ	TLΔ	Max Span
1	81	246	84	79	79 in
2	47	87	60	61	47 in

Connections: Overhang L: 12.00 in

	M (in-lbs)	Fastener location	Moment Arm	Withdrawal (plf)	Shear (plf)	Strap (lbs)
1	216	1.5	4	41	27	39
2	1054	1.5	4	198	132	192

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

APPROVED BY NTA INC.

Const. Type:	VB-unprotected
Occupancy:	R3
Allowable No. of Floors:	1
Wind Velocity:	180 MPH Vult,139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MFT2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

Load Case 1 (Gravity)

LSTA12 at 32" o.c.	398 lbs	> 40 lbs	Withdrawal	OK
(2) #8 Screws / Bay	164 plf	> 27 plf	Shear	OK

Load Case 2 (Uplift)

(2) #8 Screws / Bay	508.5 plf	> 198 plf	Withdrawal	
(2) #8 Screws / Bay	242 plf	> 132 plf	Shear	
Combined Loading	132 / 242	+	198 / 508.5	= 0.93 **OK**

Gable Endwall Connections

Max Height =	3.5 ft	P =	25.4 psf
Stud Spacing =	16 in o.c.	F =	44.45 plf
		F =	59.267 lbs / stud

Stud to Plate w/ (3) .131" x 3" Toe-Nails	329 lbs	>	59.2667 lbs	OK
Plate to Plate w/ (3) .131" x 3" Toe-Nails	245 plf	>	45 plf	OK

wrightsoft®

Load Short Form
Entire House
AMS of Indiana, Inc.

Job: ME563-620-108
Date: 7/7/16
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
ME563-620-108

Design Information

	Htg	Clg
Outside db (°F)	50	92
Inside db (°F)	70	75
Design TD (°F)	20	17
Daily range	-	L
Inside humidity (%)	50	50
Moisture difference (gr/lb)	12	75

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

HEATING EQUIPMENT

Make	Generic
Trade	
Model	AFUE 100
AHRI ref	

Efficiency	100 AFUE	
Heating input	3.7	kW
Heating output	12682	Btuh
Temperature rise	12	°F
Actual air flow	973	cfm
Air flow factor	0.088	cfm/Btuh
Static pressure	0.30	in H2O
Space thermostat		

COOLING EQUIPMENT

Make	Generic
Trade	
Cond	SEER 13.0
Coil	
AHRI ref	

Efficiency	11.6 EER, 13 SEER	
Sensible cooling	22294	Btuh
Latent cooling	9555	Btuh
Total cooling	31849	Btuh
Actual air flow	973	cfm
Air flow factor	0.045	cfm/Btuh
Static pressure	0.30	in H2O
Load sensible heat ratio	0.72	

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
M BED	269	2091	3781	184	171
CLO	48	0	0	0	0
BA	72	508	739	45	33
UTILITY	100	533	768	47	35
LIV\KIT\DIN	611	5317	12188	468	550
BED 2	124	865	1610	76	73
BED 3	118	811	1544	71	70
CLOS	26	0	0	0	0
M BA	98	933	942	82	43
HALL	72	0	0	0	0

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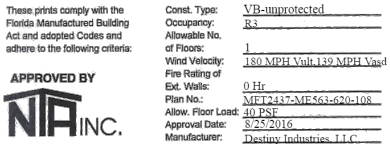
APPROVED BY NTA INC.

Const. Type:	VB-unprotected
Occupancy:	R3
Allowable No. of Floors:	1
Wind Velocity:	180 MPH Vult,139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MFT2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

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

Entire House	1537	11057	21571	973	973
Other equip loads		1624	1389		
Equip. @ 0.97 RSM			22295		
Latent cooling			9152		
TOTALS	1537	12682	31446	973	973



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

wrightsoft®

Project Summary
Entire House
AMS of Indiana, Inc.

Job: ME563-620-108
Date: 7/7/16
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
ME563-620-108

Notes:

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

APPROVED BY NTA INC.

Const. Type:	VB-unprotected
Occupancy:	R3
Allowable No. of Floors:	1
Wind Velocity:	180 MPH Vult,139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MET2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

Design Information

Weather: Key West Intl AP, FL, US

Winter Design Conditions

Outside db	50	°F
Inside db	70	°F
Design TD	20	°F

Summer Design Conditions

Outside db	92	°F
Inside db	75	°F
Design TD	17	°F
Daily range	L	
Relative humidity	50	%
Moisture difference	75	gr/lb

Heating Summary

Structure	7467	Btuh
Ducts	3590	Btuh
Central vent (74 cfm)	1624	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	12682	Btuh

Sensible Cooling Equipment Load Sizing

Structure	17145	Btuh
Ducts	4426	Btuh
Central vent (74 cfm)	1389	Btuh
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	0.97	
Equipment sensible load	22295	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	1537	1537
Volume (ft³)	13832	13832
Air changes/hour	0.38	0.20
Equiv. AVF (cfm)	88	46

Latent Cooling Equipment Load Sizing

Structure	3544	Btuh
Ducts	1851	Btuh
Central vent (74 cfm)	3756	Btuh
Equipment latent load	9152	Btuh
Equipment total load	31446	Btuh
Req. total capacity at 0.70 SHR	2.7	ton

Heating Equipment Summary

Make	Generic
Trade	
Model	AFUE 100
AHRI ref	

Efficiency	100 AFUE	
Heating input	3.7	kW
Heating output	12682	Btuh
Temperature rise	12	°F
Actual air flow	973	cfm
Air flow factor	0.088	cfm/Btuh
Static pressure	0.30	in H2O
Space thermostat		

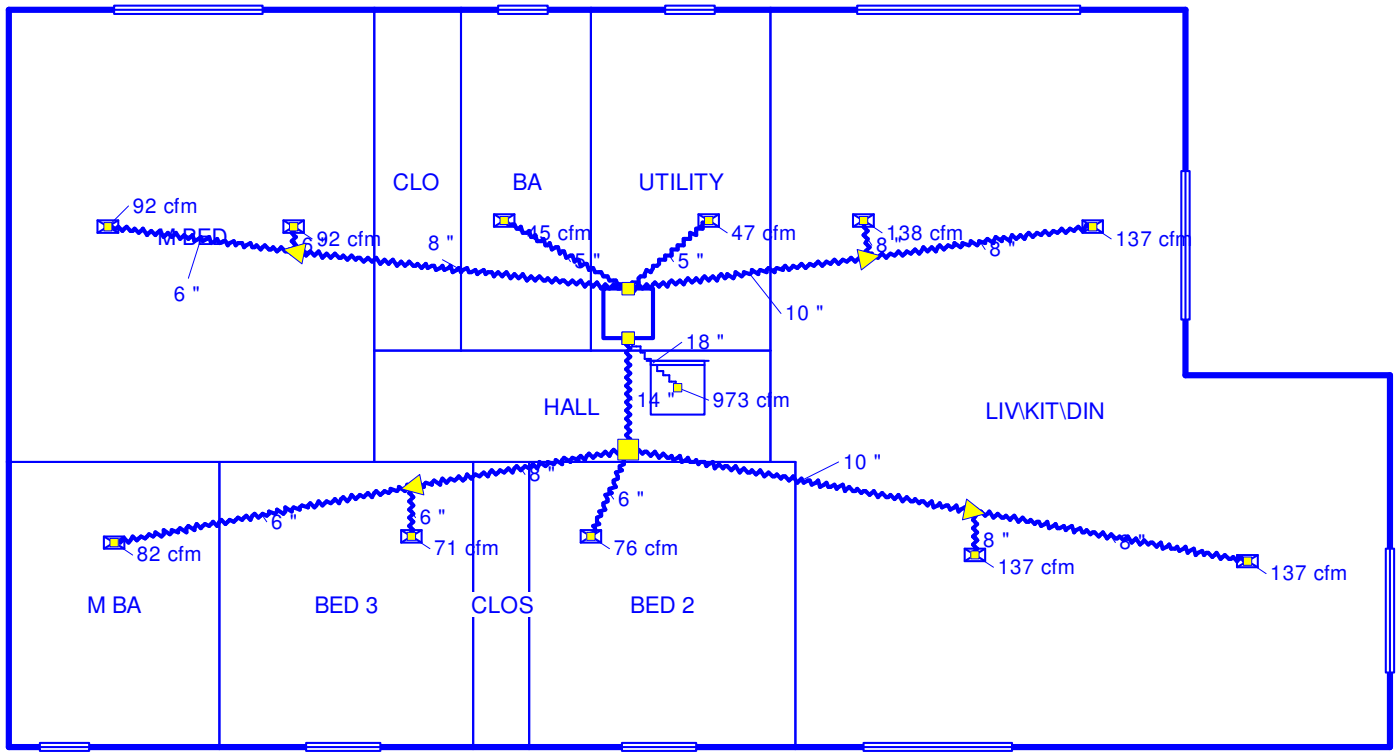
Cooling Equipment Summary

Make	Generic
Trade	
Cond	SEER 13.0
Coil	
AHRI ref	

Efficiency	11.6 EER, 13 SEER	
Sensible cooling	22294	Btuh
Latent cooling	9555	Btuh
Total cooling	31849	Btuh
Actual air flow	973	cfm
Air flow factor	0.045	cfm/Btuh
Static pressure	0.30	in H2O
Load sensible heat ratio	0.72	

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

1ST FLOOR



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

APPROVED BY NTA INC.

Const. Type:	VB-unprotected
Occupancy:	R3
Allowable No. of Floors:	1
Wind Velocity:	180 MPH Vult 139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MFT2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

Job #: ME563-620-108
Performed by AMS of Indiana, Inc. for:
DESTINY HOMES
ME563-620-108

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 : 93

Right-Suite® Universal 2015
15.0.24 RSU02009
2016-Jul-07 11:06:40
...Homes\ME563-620-108-BALIMO...

Duct System Summary
Entire House
AMS of Indiana, Inc.

Job: ME563-620-108
Date: 7/7/16
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
ME563-620-108

	Heating	Cooling
External static pressure	0.30 in H2O	0.30 in H2O
Pressure losses	0.04 in H2O	0.04 in H2O
Available static pressure	0.26 in H2O	0.26 in H2O
Supply / return available pressure	0.188 / 0.072 in H2O	0.188 / 0.072 in H2O
Lowest friction rate	0.114 in/100ft	0.114 in/100ft
Actual air flow	973 cfm	973 cfm
Total effective length (TEL)	228 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
BA	h	508	45	33	0.187	5.0	0x 0	VlFx	5.7	95.0	
BED 2	h	865	76	73	0.153	6.0	0x 0	VlFx	8.3	115.0	st3
BED 3	h	811	71	70	0.125	6.0	0x 0	VlFx	15.4	135.0	st4
LIV\KIT\DIN	c	3049	117	138	0.149	8.0	0x 0	VlFx	11.4	115.0	st2
LIV\KIT\DIN-A	c	3047	117	137	0.141	8.0	0x 0	VlFx	18.9	115.0	st2
LIV\KIT\DIN-B	c	3047	117	137	0.121	8.0	0x 0	VlFx	20.5	135.0	st5
LIV\KIT\DIN-C	c	3047	117	137	0.114	8.0	0x 0	VlFx	29.9	135.0	st5
M BA	h	933	82	43	0.117	6.0	0x 0	VlFx	25.6	135.0	st4
M BED	h	1045	92	85	0.138	6.0	0x 0	VlFx	21.1	115.0	st1
M BED-A	h	1045	92	85	0.145	6.0	0x 0	VlFx	14.6	115.0	st1
UTILITY	h	533	47	35	0.190	5.0	0x 0	VlFx	4.3	95.0	

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
st4	Peak AVF	154	112	0.117	440	8.0	0 x 0	VinlFlx	st3
st5	Peak AVF	234	275	0.114	504	10.0	0 x 0	VinlFlx	st3
st1	Peak AVF	184	171	0.138	527	8.0	0 x 0	VinlFlx	
st2	Peak AVF	234	275	0.141	504	10.0	0 x 0	VinlFlx	
st3	Peak AVF	464	460	0.114	434	***14.0***	***0*** x ***0***	VinlFlx	

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

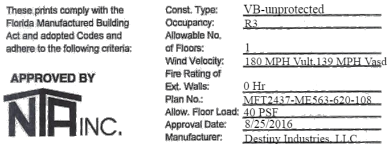
APPROVED BY NTA INC.

Const. Type: VB-unprotected
Occupancy: R3
Allowable No. of Floors: 1
Wind Velocity: 180 MPH Vult,139 MPH Vasd
Fire Rating of Ext. Walls: 0 Hr
Plan No.: MFT2437-ME563-620-108
Allow. Floor Load: 40 PSF
Approval Date: 8/25/2016
Manufacturer: Destiny Industries, LLC

Bold/italic values have been manually overridden

Return Branch Detail Table

Name	Grill 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	20x 23	973	973	62.8	0.114	551	18.0	0x 0		VlFx	



Destiny Home Builders
Bill of Materials
ME563-620-108-BALIMORI
Overhead Supply Duct System

AMS of Indiana, Inc.
3933 E. Jackson Blvd.
Elkhart, IN 46516

Qty.	Part No.	Description
7 '	580	5" x 25' Flexduct R8
21 '	680	6" x 25' Flexduct R8
46 '	880	8" x 25' Flexduct R8
22 '	1080	10" x 25' Flexduct R8
3 '	1480	14" x 25' Flexduct R8
5 '	1680	16" x 25' Flexduct R8
0 '	1880	18" x 25' Flexduct R8
1	AF-100	2-1/2" Duct Tape UL-181
4	DB2-1098KD	14"x16"x16" Mixer Box
2	DB2-84	8 x 4 Ceiling Boot
5	DB2-106	10 x 6 Ceiling Boot
0	DB2-126	12 x 6 Ceiling Boot
10	DB2-128	12 x 8 Ceiling Boot
0	DB2-1220	12 x 20 Ceiling Boot
2	103M-8X4W	8 x 4 3-Way Ceiling Register
5	103M-10X6W	10 x 6 3-Way Ceiling Register
4	103M-12X8W	12 x 8 3-Way Ceiling Register
2	DB2-222248	22 x 22 x 48 Ductboard Attic Plenum(14"flex and c
0	DB2-161448	14 x 16 x 48 Ductboard Attic Plenum(For Omit Fur
1	DB2-13216	13" x 21" x 6" Ductboard Attic Air Handler Adapter
0	DB2-21266	21" x 26" x 6" Ductboard Attic Ret Air Box
0	G2-8	8" Flex connector
0	G2-10	10" Flex connector
0	G2-12	12" Flex connector
4	G58-5	5" Start Collar-2"DB
10	G58-6	6" Start Collar-2" DB
18	G58-8	8" Start Collar-2" DB
4	G58-10	10" Start Collar-2"DB
2	G58-14	14" Start Collar-2"DB
1	G58-16	16" Start Collar-2"DB
1	G58-16E	16" Start Collar-2"DB-Extended
0	G58-18	18" Start Collar-2"DB
36	T150L	36" Tie Strap
4	T150XL	48" Tie Strap
6	19H-12X8W-4	12 x 8 Return Air Grill (white)
0	19H-18X6W	18 x 6 Return Air Grill (white)
0	19H-20X12W	20 x 12 Return Air Grill (white)
0	19H-20X24B/W	20 x 24 Return Air Grill (brown/white)
0	19FG-20X25W	20 x 25 Return Air Filter Grill (white)

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

APPROVED BY NTA INC.

Const. Type:	VB-unprotected
Occupancy:	R3
Allowable No. of Floors:	1
Wind Velocity:	180 MPH Vult 139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MFT2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

Job	Truss	Truss Type	Qty	Ply	Destiny 316 GA
79303	M743408	MONO TRUSS	1	1	Ref. #3163945

Universal Forest Products Inc., Grand Rapids, MI 49525, Weston Gorby 7.610 e Jan 29 2015 MiTek Industries, Inc. Thu Jul 30 15:10:40 2015 Page 1 of 1

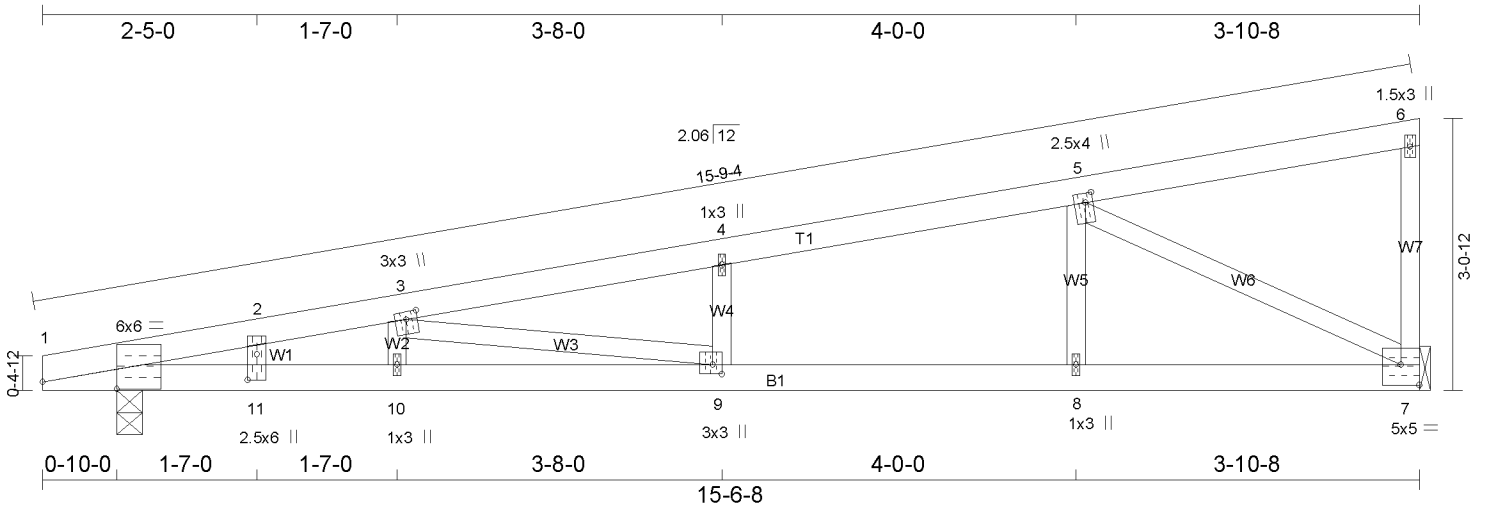


Plate Offsets (X,Y)-- [1:0-10-1,0-0-15], [3:0-1-0,0-1-8], [5:0-1-4,0-1-0], [7:Edge,0-2-12], [9:0-1-4,0-1-4], [11:0-3-8,0-1-4]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	1.00	Vert(LL)	0.71	9-10	>259	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.99	Vert(TL)	0.57	9-10	>324	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(TL)	-0.05	7	n/a	n/a		
BCDL	7.0	Code FBC2014/TPI2007		(Matrix)							Weight: 61 lb	FT = 0%

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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-14 oc bracing.

REACTIONS. (lb/size) 1=347/0-3-8 (min. 0-1-8), 7=347/Mechanical
Max Horz 1=226(LC 5)
Max Uplift 1=-521(LC 5), 7=-561(LC 5)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1331/2287, 2-3=-1310/2292, 3-4=-688/1127, 4-5=-666/1141, 5-6=-46/18, 6-7=-6/47
BOT CHORD 1-11=-2460/1289, 10-11=-2460/1289, 9-10=-2460/1289, 8-9=-1247/661, 7-8=-1247/661
WEBS 5-8=-263/204, 4-9=0/73, 3-10=-96/105, 3-9=-643/1241, 5-7=-777/1468, 2-11=0/34

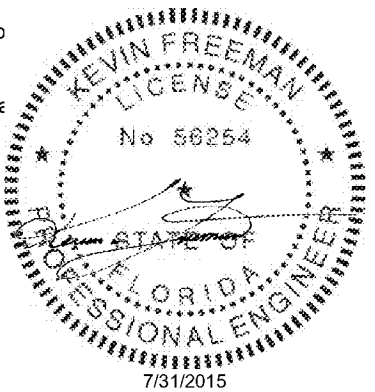
NOTES-
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-10; Vult=180mph (3-second gust) Vasd=139mph; TCDL=4.2psf; BCDL=4.2psf; h=30ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C fo members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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 ta by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 521 lb uplift at joint 1 and 561 lb uplift at joint 7.
6) Based on: M743404
7) Revision Updated code from FBC2010

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

APPROVED BY NTA INC.

Const. Type:	VB-unprotected
Occupancy:	R3
Allowable No. of Floors:	1
Wind Velocity:	180 MPH Vult,139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MFT2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

E-signed by Kevin Freeman



7/31/2015

The professional engineering seal indicates that a licensed professional has reviewed the design under the standards referenced within this document, not necessarily the current state building code. The engineering seal is not an approval to use in a specific state. The final determination on whether a truss design is acceptable under the locally adopted building code rest with the building official or designated appointee.

Job	Truss	Truss Type	Qty	Ply	Destiny 316 GA
79303	M743409	MONO TRUSS	1	1	Ref. #3163945

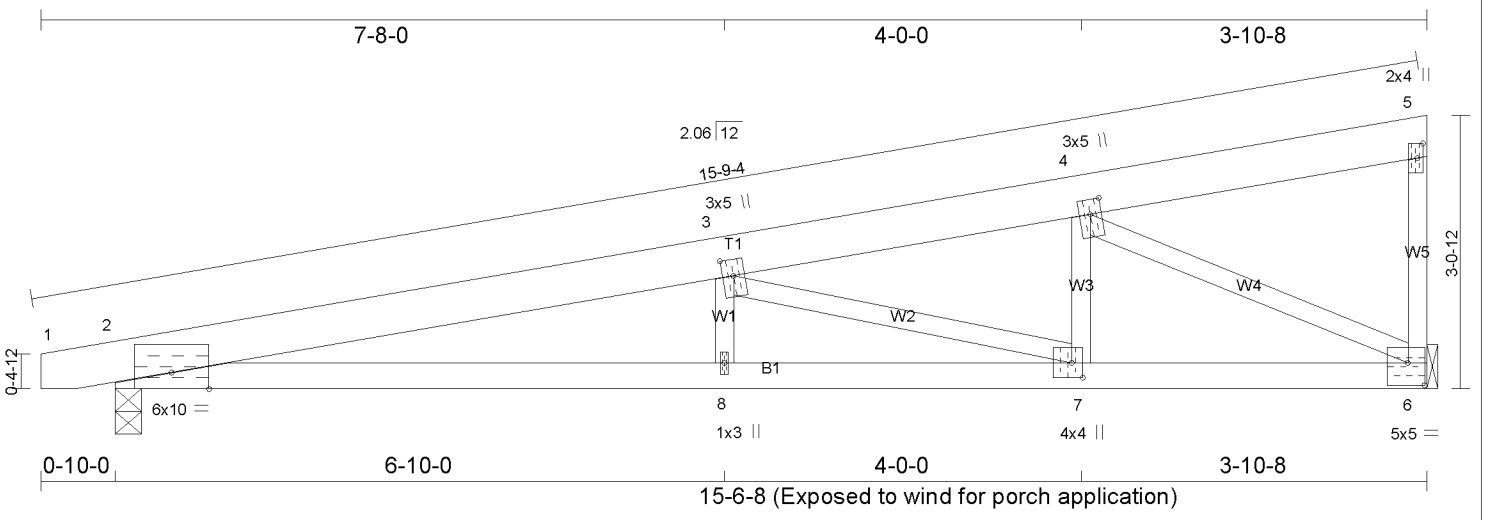


Plate Offsets (X,Y)-- [3:0-2-4,0-1-8], [4:0-2-0,0-1-8], [5:0-2-0,0-0-12], [6:0-2-4,0-3-0], [7:0-2-0,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.94	Vert(LL)	0.36	2-8	>486	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.99	Vert(TL)	0.32	2-8	>551	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(TL)	-0.06	6	n/a	n/a		
BCDL	7.0	Code FBC2014/TPI2007		(Matrix)							Weight: 72 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x3 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 2=356/0-3-8 (min. 0-1-8), 6=327/Mechanical
Max Horz 2=215(LC 7)
Max Uplift 2=-856(LC 5), 6=-811(LC 5)

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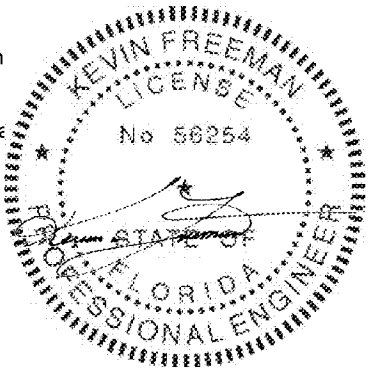
APPROVED BY NTA INC.

Const. Type:	VB-unprotected
Occupancy:	R3
Allowable No. of Floors:	1
Wind Velocity:	180 MPH Vult,139 MPH Vasd
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MFT2437-ME563-620-108
Allow. Floor Load:	40 PSF
Approval Date:	8/25/2016
Manufacturer:	Destiny Industries, LLC

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2/0, 2-3=-959/3824, 3-4=-491/1940, 4-5=-22/25, 5-6=-60/160
BOT CHORD 2-8=-3945/923, 7-8=-3945/923, 6-7=-2006/472
WEBS 4-7=-1008/189, 3-8=-560/126, 4-6=-524/2216, 3-7=-476/2043

NOTES-
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-10; Vult=180mph (3-second gust) Vasd=139mph; TCDL=4.2psf; BCDL=4.2psf; h=30ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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 ta by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 856 lb uplift at joint 2 and 811 lb uplift at joint 6.
6) Based on: M743403
7) Revision: Updated code from FBC2010

E-signed by Kevin Freeman



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