

44

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, 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 building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	Morton Buildings, Inc.	MBI 910 Entry Door	FL 37299.2
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG			
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS	Ply Gem Mastic	Soffit	FL 32502.1
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER	Morton Buildings, Inc.	MBI HI-RIB WALL PANEL	FL 37256
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER	Morton Buildings, Inc.	MBI HI-RIB Roof PANEL	FL 37257
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			

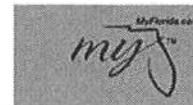


The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

NOTES: _____

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Search Criteria

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Code Version	2020	FL#	37299.2
Application Type	ALL	Product Manufacturer	ALL
Category	ALL	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired	ALL
Product Model, Number or Name	ALL	Product Description	ALL
Approved for use in HVHZ	ALL	Approved for use outside HVHZ	ALL
Impact Resistant	ALL	Design Pressure	ALL
Other	ALL		

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
FL37299	New	Morton Buildings, Inc FL#: FL37299.2 Model: MB-910 Door System Description: swinging steel entry door Category: Exterior Doors Subcategory: Swinging Exterior Door Assemblies	Ted Berman, PE (305) 868-4707	Applied For

*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

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securityMETRICS



MB 910 ENTRY DOOR
INSTALLATION INSTRUCTIONS

Allen N. Reeves
20 JAN. 2021



Allen N. Reeves, P.E., SECB
Structural Engineer
Florida License No. 19354



MB 910 ENTRY DOOR (STEEL SIDING)

STEP 2: CUT STEEL FOR OPENING. AT HEADER, CUT STEEL 1" ABOVE BOTTOM OF 2x4 FLAT HEADER & ANGLE-CUT RIBS 1/4" TO ALLOW FOR DRAINAGE. AT JAMBS, LEAVE 1/4" OF STEEL TO INSIDE OF OPENING; BEND THIS STEEL AROUND JAMBS TO EASE FRAME INSTALLATION.

STEP 3: CUT A PIECE OF T#11 TO 41" (DO NOT INSTALL AT THIS TIME).

STEP 4: PLACE ALUMINUM SILL OVER TREATED SILL. TURN ALLEN SCREWS BACK FLUSH AGAINST JAMB FRAMES. PLACE JAMB FRAMES OVER 2x4 JAMBS & SLIDE SILL TABS INTO SLOTS AT BOTTOM OF FRAMES.
NOTE: FRAMES ARE NOT HANDED -- HANDING CAN BE CHANGED ON-SITE.

STEP 5: SLIDE T#11 UP INTO PLACE. PLACE HEAD FRAME OVER 2x4 STIFFENER & SLIDE TABS INTO JAMB FRAMES. **NOTE:** DUE TO INSULATION DRAFT STOP IN FRAMES, IT WILL HELP ASSEMBLY PROCESS IF A 2x4x37" BLOCK IS WEDGED BETWEEN JAMB FRAMES TO HOLD THEM APART UNTIL HEAD FRAME IS IN POSITION.

STEP 6: ADJUST ALLEN SCREWS TO PLUMB JAMB FRAMES. KEEP FRAME CENTERED IN ROUGH OPENING. FASTEN SILL TO FRAMING WITH (4) #8x1-1/4" S.S. F.H. SCREWS (IN FRAME PACK). IF DOOR IS OUTSWING, INSTALL SILL INSERT PRIOR TO FASTENING (SEE SEE A FOLLOWING PAGE). SLIDE T#11 DOWN TIGHT TO HEAD FRAME & FASTEN PER STANDARD PROCEDURE. CAULK NOTCHES IN STEEL AT EACH END OF T#11.

STEP 7: CAREFULLY CAULK ALONG JOINT AT SILL TO JAMB CONNECTION.

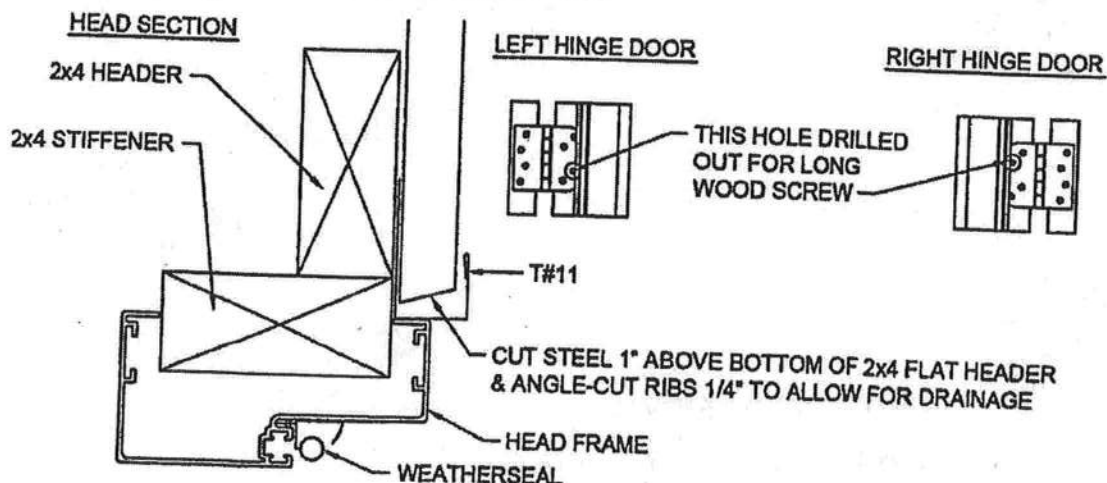
STEP 8: INSTALL WEATHERSEAL INTO JAMB FRAMES. START AT SILL END OF EACH JAMB FRAME & WORK UP TO TOP. MAKE SURE WEATHERSEAL MAKES CONTACT WITH SILL. INSTALL WEATHERSEAL INTO HEAD FRAME -- KEEP IT CENTERED BETWEEN JAMB FRAMES (TRIMMING JAMB WEATHERSTRIPPING WILL BE REQUIRED WITH SILL INSERT ON OUTSWING DOORS). INSERT SWEEP BEFORE HANGING DOOR. FASTEN WITH (1) #8x3/4" PPA STL/ZN/CCD SCREW INCLUDED IN FRAME PACK.

STEP 9: HANG DOOR PANEL WITH (9) #12-24x3/4" F.H. SCREWS PACKAGED WITH FRAME SET. DO NOT FULLY TIGHTEN ANY HINGE SCREWS UNTIL ALL 9 HAVE BEEN STARTED. CHECK FIT & ADJUST ALLEN SCREWS IF REQUIRED. SEE STEP 10 & DETAILS BELOW FOR 3 REMAINING HOLES.

STEP 10: 1 HOLE AT EACH HINGE LOCATION ON HINGE JAMB FRAME HAS BEEN DRILLED OUT FOR #10x2-1/2" F.H. WOOD SCREWS (INSTALL 3 SCREWS -- DO NOT OVERTIGHTEN).

STEP 11: WITH ALL ADJUSTMENTS MADE TO INSURE PROPER OPERATION OF DOOR, SECURE JAMB FRAMES TO 2x4 FRAMING WITH (16) #9x2" S.S.I.D. SCREWS (REMOVE WASHERS) AT INSTALLATION HOLES IN FRAME.

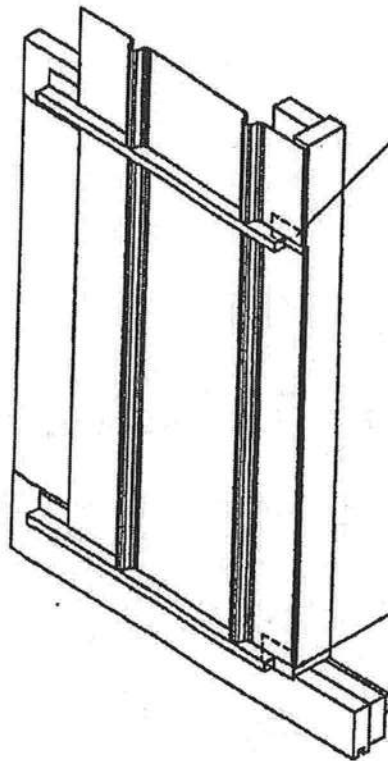
STEP 12: INSERT PLASTIC CAPS IN (4) ALLEN SCREW HOLES.





MB 910 STEEL ENTRY DOOR (STEEL SIDING)

(T#167 TRIM AT MB 910 ENTRY DOOR)

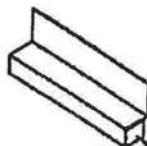
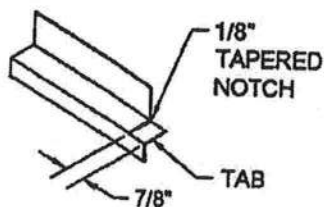


HOLD CAPPED END OF T#167 (SEE DETAILS BELOW) 1-3/8" BACK FROM EDGE OF 2x4 JAMB TO ALLOW FOR DOOR FRAME INSTALLATION*. TO PREVENT WATER FROM GETTING BEHIND WAINSCOT STEEL & TO COVER EXPOSED WOOD, SLIP A SMALL PIECE OF FLAT STEEL BEHIND T#167 & UPPER STEEL. LAP FLAT STEEL OVER WAINSCOT STEEL WITH BOTTOM POSITIONED FLUSH WITH CRIMPED EDGE OF T#167. MAKE FLAT STEEL SAME COLOR AS T#167 (MAY BE CUT FROM A PIECE OF T#167).

HOLD CAPPED END OF T#167 (SEE DETAILS BELOW) 1-3/8" BACK FROM EDGE OF 2x4 JAMB TO ALLOW FOR DOOR FRAME INSTALLATION*. TO COVER EXPOSED NON-TREATED WOOD, SLIP A SMALL PIECE OF FLAT STEEL BEHIND T#167 & WAINSCOT STEEL. LAP FLAT STEEL OVER TREATED WOOD. MAKE FLAT STEEL SAME COLOR AS T#167 (MAY BE CUT FROM A PIECE OF T#167).

*NOTE: WITH DOOR CENTERED IN OPENING, THERE WILL BE APPROX. A 7/16" GAP BETWEEN T#167 & DOOR FRAME TO ALLOW FOR DOOR FRAME INSTALLATION.

T#167 CUTTING & BENDING DETAILS



FOLD TAB UNDER HORIZONTAL LEG TO CAP END OF T#167 AT 910 FRAME



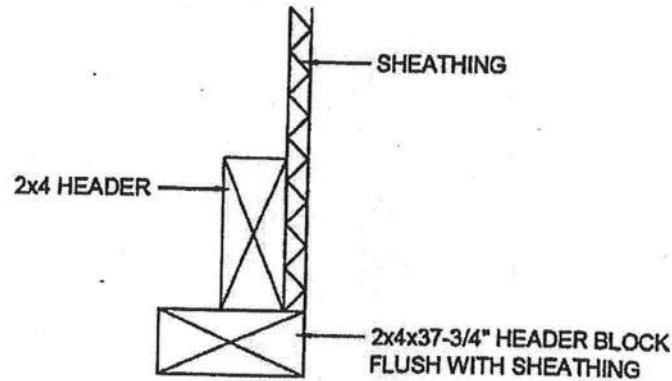
Country Craft
BUILDINGS.



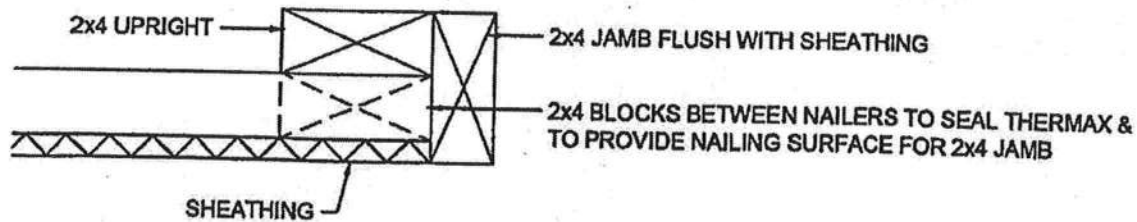
MB 910 ENTRY DOOR WITH EXTERIOR SHEATHING

(FOR BUILDINGS WITH THERMAX, SHEETROCK OR OSB SHEATHING)

HEAD SECTION (1/2" OR 1" SHEATHING)

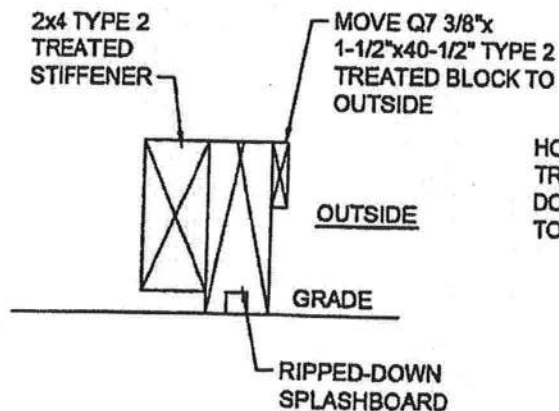


JAMB SECTION (1/2" OR 1" SHEATHING)

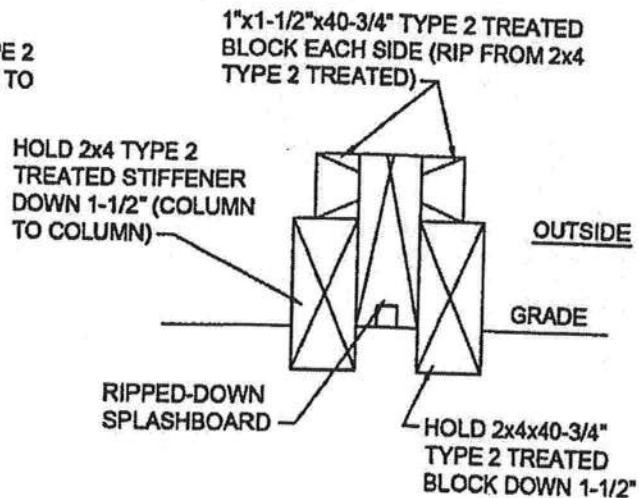


SILL SECTIONS

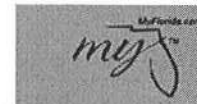
1/2" SHEATHING



1" SHEATHING



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Search Criteria

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Code Version	2020	FL#	32502.1
Application Type	ALL	Product Manufacturer	ALL
Category	ALL	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired	ALL
Product Model, Number or Name	ALL	Product Description	ALL
Approved for use in HVHZ	ALL	Approved for use outside HVHZ	ALL
Impact Resistant	ALL	Design Pressure	ALL
Other	ALL		

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
FL32502	New	Ply Gem Siding Group FL#: FL32502.1 Model: Mastic Soffits Description: Vinyl and Aluminum Category: Panel Walls Subcategory: Soffits	Ted Berman, PE (305) 868-4707	Approved

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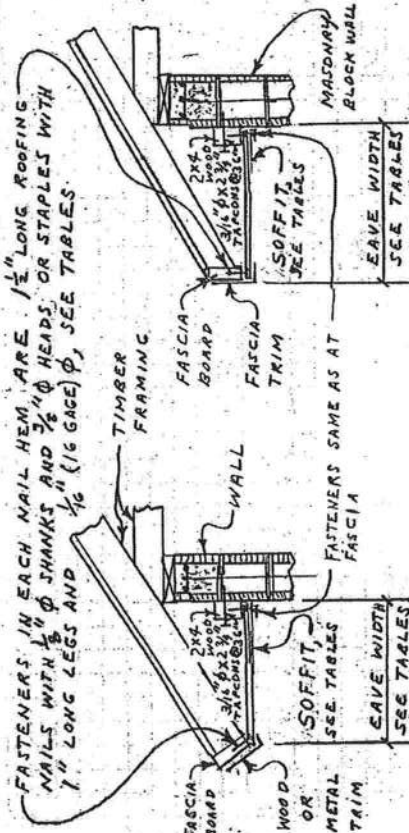
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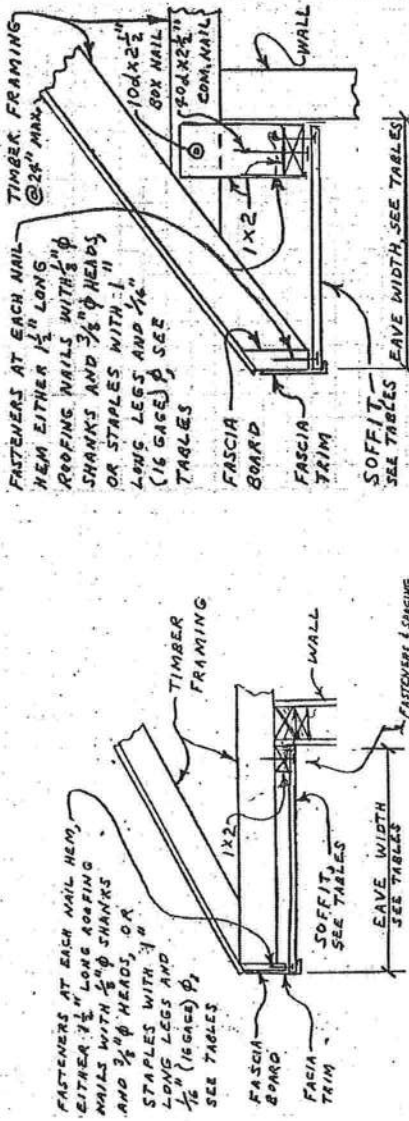
ALLOWABLE DESIGN WIND PRESSURES IN PSF

MASTIC SOFFIT TYPE	SHORT SPAN TABLE			EAVE WIDTH IN INCHES		
	10"	12"	16"	10"	12"	16"
ENVOY (ALUMINUM) 12" NAILS SVG12N20, SVG12V20	+169.1 -169.1	+135.3 -135.3	+96.6 -96.6			
ENVOY (ALUMINUM) 12" STAPLES SVG12N20, SVG12V20	+169.1 -177.0	+135.3 -141.6	+96.6 -101.1			
ENVOY (ALUMINUM) 6" NAILS SVGN, SVGV	+338.2 -338.2	+270.6 -270.6	+193.3 -193.3			
ENVOY (ALUMINUM) 6" STAPLES SVGN, SVGV	+338.2 -354.0	+270.6 -283.2	+193.3 -202.3			
ENDURANCE (ALUMINUM) 12" NAILS SVGN420144, SVG420144	+142.4 -142.4	+113.9 -113.9	+81.4 -81.4			
ENDURANCE (ALUMINUM) 12" STAPLES SVGN420144, SVG420144	+142.4 -177.0	+113.9 -141.6	+81.4 -101.1			
ENVOY (ALUMINUM) 12" NAILS SAS12219, LFAS12219, SAS12319, LCAS12319, LFAS12319, SAS1219T, LFAX1219T	+169.1 -169.1	+135.3 -135.3	+96.6 -96.6			
ENVOY (ALUMINUM) 12" STAPLES SAS12219, LFAS12219, SAS12319, LCAS12319, LFAS12319, SAS1219T, LFAX1219T	+169.1 -177.0	+135.3 -141.6	+96.6 -101.1			
ENVOY QUAD (ALUMINUM) 16" NAILS SAS16419, LCAS16419	+126.8 -126.8	+101.5 -101.5	+72.5 -72.5			
ENVOY QUAD (ALUMINUM) 16" STAPLES SAS16419, LCAS16419	+126.8 -132.8	+101.5 -106.2	+72.5 -75.9			
ENDURANCE (ALUMINUM) 12" NAILS SAS12216, LFAS12216, SAS12316, LCAS12316, LFAS12316	+142.4 -142.4	+113.9 -113.9	+81.4 -81.4			
ENDURANCE (ALUMINUM) 12" STAPLES SAS12216, LFAS12216, SAS12316, LCAS12316, LFAS12316	+142.4 -177.0	+113.9 -141.6	+81.4 -101.1			
ECONOMY (ALUMINUM) SOFFIT 12" NAILS SAS12313, LFAS12313, LCAS12313	+115.7 -115.7	+92.6 -92.6	+66.1 -66.1			
ECONOMY (ALUMINUM) SOFFIT 12" STAPLES SAS12313, LFAS12313, LCAS12313	+115.7 -177.0	+92.6 -141.6	+66.1 -101.1			
ECONOMY (ALUMINUM) SOFFIT 16" NAILS SAS16413, LFAS16413	+86.8 -86.8	+69.4 -69.4	+49.6 -49.6			
ECONOMY (ALUMINUM) SOFFIT 16" STAPLES SAS16413, LFAS16413	+86.8 -132.8	+69.4 -106.2	+49.6 -75.9			
VENTURA™ (VINYL) 10" NAILS HVS10V, RVSN	+227.3 -80.1	+181.8 -64.1	+129.9 -45.8			
VENTURA™ (VINYL) 10" STAPLES HVS10V, RVSN	+227.3 -92.4	+181.8 -76.3	+129.9 -54.5			
PRO-SERIES BEADED (VINYL) 8" NAILS PSS8N, PSS8V	+206.6 -91.0	+165.3 -72.8	+118.1 -52.0			
PRO-SERIES BEADED (VINYL) 8" STAPLES PSS8N, PSS8V	+206.6 -108.4	+165.3 -86.8	+118.1 -62.0			
PRO-SERIES (VINYL) 10" NAILS PSS10N, PSS10V	+237.6 -83.7	+190.1 -67.0	+135.8 -47.9			
PRO-SERIES (VINYL) 10" STAPLES PSS10N, PSS10V	+237.6 -99.8	+190.1 -79.8	+135.8 -57.0			
PRO-SERIES (VINYL) 12" NAILS PTS12N, PTS12V, PTS12CV	+206.6 -60.7	+165.3 -48.5	+118.1 -34.7			
PRO-SERIES (VINYL) 12" STAPLES PTS12N, PTS12V, PTS12CV	+206.6 -72.3	+165.3 -57.8	+118.1 -41.3			
UNIVERSAL (VINYL) 12" NAILS UVS12N, UVS12V, UVS12CP	+185.9 -54.6	+148.8 -43.7	+106.3 -31.2			
UNIVERSAL (VINYL) 12" STAPLES UVS12N, UVS12V, UVS12CP	+185.9 -65.1	+148.8 -52.1	+106.3 -37.2			
TRADE MARK (VINYL) 10" NAILS TRMS10N, TRMS10V	+206.6 -72.8	+165.3 -58.3	+118.1 -41.6			
TRADE MARK (VINYL) 10" STAPLES TRMS10N, TRMS10V	+206.6 -86.8	+165.3 -69.4	+118.1 -49.6			
PROTECT PLUS (VINYL) 10" NAILS PTS10N, PTS10V	+206.6 -72.8	+165.3 -58.3	+118.1 -41.6			
PROTECT PLUS (VINYL) 10" STAPLES PTS10N, PTS10V	+206.6 -86.8	+165.3 -69.4	+118.1 -49.6			

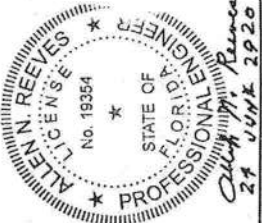
Details that go with this table appear on Sheet 1 of 3



SOFFITS WITH MASONRY BLOCK WALLS
NOT TO SCALE



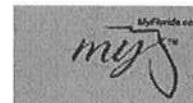
SOFFIT INTO ROOF FRAMING
NOT TO SCALE



Allen N. Reeves, P.E. Structural Engineer Florida License #19354

HR Engineering, Inc.
REV. 15 JUN 2020
DATE: 16 NOV. 2012
PROJECT NO. 11100020-7 SHEET 1 OF 3
PROJECT NAME: MASTIC SOFFITS-FLORIDA
BY: A. REEVES

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Search Criteria

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Code Version	2020	FL#	37256
Application Type	ALL	Product Manufacturer	ALL
Category	ALL	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired	ALL
Product Model, Number or Name	ALL	Product Description	ALL
Approved for use in HVHZ	ALL	Approved for use outside HVHZ	ALL
Impact Resistant	ALL	Design Pressure	ALL
Other	ALL		

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
FL37256	New	Morton Buildings, Inc Category: Panel Walls Subcategory: Siding	Ted Berman, PE (305) 868-4707	Applied For

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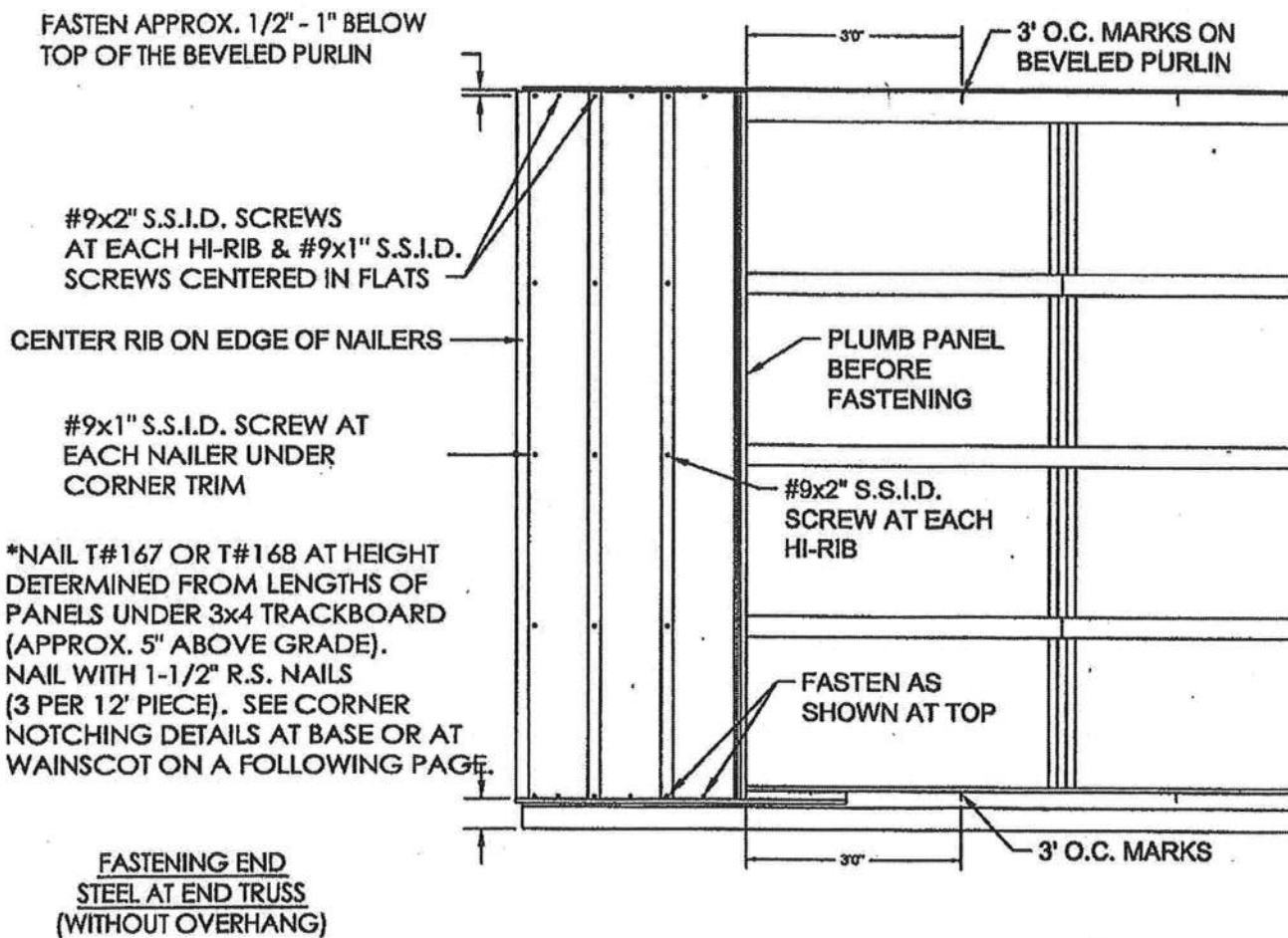
Product Approval Accepts:



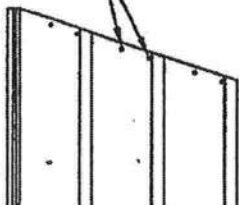
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Safe

SECURITYMETRICS

FASTENING HI-RIB WALL PANELS

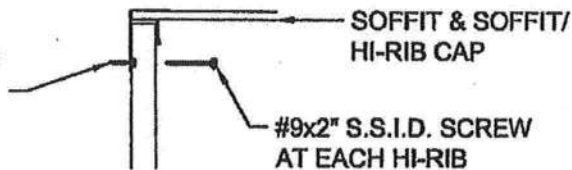


FASTEN WITH #9x1" S.S.I.D. SCREWS CENTERED IN FLATS & NEXT TO RIBS FACING SIPHON GROOVE



FASTENING SIDE OR END STEEL AT OVERHANG

#9x1" S.S.I.D. SCREWS CENTERED IN FLATS



Allen N. Reeves
 Allen N. Reeves, P.E., SECB
 Structural Engineer
 Florida License No. 19354
 29 DEC. 2010



MORTON BUILDINGS, INC.



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Code Version	2020	FL#	37257
Application Type	ALL	Product Manufacturer	ALL
Category	ALL	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired	ALL
Product Model, Number or Name	ALL	Product Description	ALL
Approved for use in HVHZ	ALL	Approved for use outside HVHZ	ALL
Impact Resistant	ALL	Design Pressure	ALL
Other	ALL		

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
FL37257	New	Morton Buildings, Inc Category: Roofing Subcategory: Metal Roofing	Ted Berman, PE (305) 868-4707	Applied For

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**HR Engineering, Inc.**

1541 E. Market St.
York, PA 17403

15 December 2020

Brian Long, R & D Manager
Morton Buildings, Inc.
252 W. Adams Street
P.O. Box 399
Morton, IL 61550

RE: Evaluation Report Hi-Rib II Roof Panels, 2020 FBC

Dear Mr. Long;

The following Morton Buildings, Inc. roofing product; Hi-Rib II Steel Roof Panels has been determined by testing and a combination of comparative and rational analyses to be in conformance with 2020 Florida Building Code, Sections 1504.3.2 *Metal panel roof* systems and 1507.4. *Metal roof panels*. Uplift testing was done to UL 580 and UL 1897 at Underwriters Laboratories, Inc. and is reported in UL File Number R21540 and Project 07NK20519. Roof diaphragm testing was done to ASTM E 455 at Architectural Testing, Inc. and is reported in their project 77287.01-122-44. The comparative and rational analyses were done by myself and are reported here. The complete analyses for the results shown here is in a 7 page hand written report titled *HI-RIB II STEEL ROOF PANELS FLORIDA EVALUATION 2020*.

Testing was done in 2007 under UL 1897-04. The present version of UL 1897-12 has no additional testing required by UL, or change in actual test requirements.

The configuration of these panels is, 36" effective width, 7/8" high ribs at 12" spacing, and 2 embosses between each rib. The panels are produced in 3 different thicknesses; 0.015", 0.017", and 0.019". Installation is on wood purlins spaced at 24" maximum, with a minimum panel slope of 2:12. Installation fasteners are proprietary #9 (0.177" diameter) stainless steel screws with a bonded 7/16" diameter stainless steel washer under the head. A screw is installed through each panel rib into each purlin.

The allowable design pressures for the 0.015" thick panel are +/-60 psf, which is adequate for the 110 mph wind zone, exposure B, with a maximum roof height of 50 feet. The allowable design pressures for the 0.017" thick panel are +/-75 psf, which is adequate for 120 mph wind zone, exposure B, with a maximum roof height of 60 feet; or 120 mph wind zone, exposure C, with a maximum roof height of 15 feet; or 110 mph wind zone, exposure C, with a maximum roof height of 35 feet. The allowable design pressures for the 0.019" thick panel are +/-90 psf, which is adequate for 145 mph wind zone, exposure B, with a maximum roof height of 30 feet; or 130 mph wind zone, exposure C, with a maximum roof height of 15 feet; or 130 mph wind zone, exposure B, with a maximum roof height of 60 feet; or 120 mph wind zone, exposure C, with a maximum roof height of 35 feet. In order to obtain these values, the screws must penetrate into the wood purlins a minimum of 1-1/8 inches.