

ALLOWABLE DESIGN WIND PRESSURES IN PSF				
SHORT SPAN TABLE				
PERFORMANCE COLLECTION PGPC	SOFFIT TYPE	10"	12"	16"
DOUBLE 6" (ALUMINUM) 12" NAILS	AAS12219, AFAS12219	+169.1	+135.3	+96.6
DOUBLE 6" (ALUMINUM) 12" STAPLES	AAS12219, AFAS12219	+169.1	+135.3	+96.6
DOUBLE 6" (ALUMINUM) 12" NAILS	AAS12219, AFAS12219	+177.0	+141.6	+101.1
DOUBLE 6" (ALUMINUM) 12" STAPLES	AAS12219, AFAS12219	+142.4	+113.9	+81.4
DOUBLE 6" (ALUMINUM) 12" NAILS	AAS12219, AFAS12219	+142.4	+113.9	+81.4
DOUBLE 6" (ALUMINUM) 12" STAPLES	AAS12219, AFAS12219	+177.0	+141.6	+101.1
TRIPLE 4" (ALUMINUM) 12" NAILS	AAS12319, AFAS12319	+169.1	+135.3	+96.6
TRIPLE 4" (ALUMINUM) 12" STAPLES	AAS12319, AFAS12319	+169.1	+135.3	+96.6
TRIPLE 4" (ALUMINUM) 12" NAILS	AAS12319, AFAS12319	+177.0	+141.6	+101.1
TRIPLE 4" (ALUMINUM) 12" STAPLES	AAS12319, AFAS12319	+126.8	+101.5	+72.5
QUAD 4" (ALUMINUM) 16" NAILS	AAS16419A, ACAS16419A	+126.8	+101.5	+72.5
QUAD 4" (ALUMINUM) 16" STAPLES	AAS16419A, ACAS16419A	+132.8	+106.2	+75.9
TRIPLE 4" (ALUMINUM) 12" NAILS	AAS12316, ACAS12316, AFAS12316	+142.4	+113.9	+81.4
TRIPLE 4" (ALUMINUM) 12" STAPLES	AAS12316, ACAS12316, AFAS12316	+142.4	+113.9	+81.4
TRIPLE 4" (ALUMINUM) SOFFIT 12" NAILS	AAS12313, ACAS12313, AFAS12313	+115.7	+92.6	+66.1
TRIPLE 4" (ALUMINUM) SOFFIT 12" STAPLES	AAS12313, ACAS12313, AFAS12313	+115.7	+92.6	+66.1
TRIPLE 3 1/2" (VINYL) 10" NAILS	VST3N, VST3V	+115.7	+92.6	+66.1
TRIPLE 3 1/2" (VINYL) 10" STAPLES	VST3N, VST3V	+115.7	+92.6	+66.1
TRIPLE 3 1/2" (VINYL) 10" NAILS	VST3N, VST3V	+115.7	+92.6	+66.1
TRIPLE 3 1/2" (VINYL) 10" STAPLES	VST3N, VST3V	+115.7	+92.6	+66.1
BEADED (VINYL) 8" NAILS	VSB223N, VSB223V	+206.6	+165.3	+118.1
BEADED (VINYL) 8" STAPLES	VSB223N, VSB223V	+206.6	+165.3	+118.1
DOUBLE 5" PREMIUM (VINYL) 10" NAILS	VSD5N, VSD5V	+237.6	+190.1	+135.8
DOUBLE 5" PREMIUM (VINYL) 10" STAPLES	VSD5N, VSD5V	+237.6	+190.1	+135.8
PREMIUM TRIPLE 4" (VINYL) 12" NAILS	VST4N, VST4V, VST4CV	+206.6	+165.3	+118.1
PREMIUM TRIPLE 4" (VINYL) 12" STAPLES	VST4N, VST4V, VST4CV	+206.6	+165.3	+118.1
ECONOMY TRIPLE 4" (VINYL) 12" NAILS	EVS12N, EVS12P, EVS12CP	+185.9	+148.8	+106.3
ECONOMY TRIPLE 4" (VINYL) 12" STAPLES	EVS12N, EVS12P, EVS12CP	+185.9	+148.8	+106.3
ECONOMY DOUBLE 5" (VINYL) 10" NAILS	EVS5N, EVS5V	+206.6	+165.3	+118.1
ECONOMY DOUBLE 5" (VINYL) 10" STAPLES	EVS5N, EVS5V	+206.6	+165.3	+118.1
DOUBLE 5" (VINYL) 10" NAILS	VSD5N, VSD5V	+216.9	+173.5	+124.0
DOUBLE 5" (VINYL) 10" STAPLES	VSD5N, VSD5V	+216.9	+173.5	+124.0

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

ALLOWABLE DESIGN WIND PRESSURES IN PSF				
LONG SPAN TABLE				
PERFORMANCE COLLECTION PGPC	SOFFIT TYPE	15"	18"	24"
DOUBLE 6" (ALUMINUM) 12" NAILS	AAS12219, AFAS12219	+288.0	+170.4	+59.5
DOUBLE 6" (ALUMINUM) 12" STAPLES	AAS12219, AFAS12219	+288.0	+170.4	+59.5
DOUBLE 6" (ALUMINUM) 12" NAILS	AAS12219, AFAS12219	+242.5	+143.5	+50.1
DOUBLE 6" (ALUMINUM) 12" STAPLES	AAS12219, AFAS12219	+242.5	+143.5	+50.1
TRIPLE 4" (ALUMINUM) 12" NAILS	AAS12319, AFAS12319	+288.0	+170.4	+59.5
TRIPLE 4" (ALUMINUM) 12" STAPLES	AAS12319, AFAS12319	+288.0	+170.4	+59.5
TRIPLE 4" (ALUMINUM) 12" NAILS	AAS12319, AFAS12319	+275.3	+162.9	+47.9
TRIPLE 4" (ALUMINUM) 12" STAPLES	AAS12319, AFAS12319	+275.3	+162.9	+47.9
QUAD 4" (ALUMINUM) 16" NAILS	AAS16419A, ACAS16419A	+216.0	+127.8	+42.7
QUAD 4" (ALUMINUM) 16" STAPLES	AAS16419A, ACAS16419A	+216.0	+127.8	+42.7
TRIPLE 4" (ALUMINUM) 12" NAILS	AAS12316, ACAS12316, AFAS12316	+242.5	+143.5	+50.1
TRIPLE 4" (ALUMINUM) 12" STAPLES	AAS12316, ACAS12316, AFAS12316	+242.5	+143.5	+50.1
TRIPLE 4" (ALUMINUM) SOFFIT 12" NAILS	AAS12313, ACAS12313, AFAS12313	+197.1	+116.6	+40.7
TRIPLE 4" (ALUMINUM) SOFFIT 12" STAPLES	AAS12313, ACAS12313, AFAS12313	+197.1	+116.6	+40.7
TRIPLE 3 1/2" (VINYL) 10" NAILS	VST3N, VST3V	+194.8	+116.6	+40.7
TRIPLE 3 1/2" (VINYL) 10" STAPLES	VST3N, VST3V	+194.8	+116.6	+40.7
BEADED (VINYL) 8" NAILS	VSB223N, VSB223V	+374.1	+221.4	+77.3
BEADED (VINYL) 8" STAPLES	VSB223N, VSB223V	+374.1	+221.4	+77.3
DOUBLE 5" PREMIUM (VINYL) 10" NAILS	VSD5N, VSD5V	+344.2	+203.7	+71.1
DOUBLE 5" PREMIUM (VINYL) 10" STAPLES	VSD5N, VSD5V	+344.2	+203.7	+71.1
PREMIUM TRIPLE 4" (VINYL) 12" NAILS	VST4N, VST4V, VST4CV	+249.4	+147.6	+51.5
PREMIUM TRIPLE 4" (VINYL) 12" STAPLES	VST4N, VST4V, VST4CV	+249.4	+147.6	+51.5
ECONOMY TRIPLE 4" (VINYL) 12" NAILS	EVS12N, EVS12P, EVS12CP	+224.5	+132.8	+46.4
ECONOMY TRIPLE 4" (VINYL) 12" STAPLES	EVS12N, EVS12P, EVS12CP	+224.5	+132.8	+46.4
ECONOMY DOUBLE 5" (VINYL) 10" NAILS	EVS5N, EVS5V	+299.3	+177.1	+61.8
ECONOMY DOUBLE 5" (VINYL) 10" STAPLES	EVS5N, EVS5V	+299.3	+177.1	+61.8
DOUBLE 5" (VINYL) 10" NAILS	VSD5N, VSD5V	+314.3	+185.9	+64.9
DOUBLE 5" (VINYL) 10" STAPLES	VSD5N, VSD5V	+314.3	+185.9	+64.9

Details that go with this table are found on Sheet 1 of 3

ALLOWABLE DESIGN WIND PRESSURES IN PSF	
MULTI SPAN TABLE	
PERFORMANCE COLLECTION PGPC	
SOFFIT TYPE	
Solid - VSD23N Vented - VSD23V	+155.0
Solid - VSD23N Vented - VSD23V	+155.0
Premium Double 5 (Vinyl) 10" Nails	+150.6
Premium Double 5 (Vinyl) 10" Staples	+150.6
Premium Triple 4 (Vinyl) 12" Nails	+136.7
Premium Triple 4 (Vinyl) 12" Staples	+136.7
Premium Triple 4 (Vinyl) 10" Nails	+144.0
Premium Triple 4 (Vinyl) 10" Staples	+144.0
Premium Triple 3 1/2 (Vinyl) 10" Nails	+148.4
Premium Triple 3 1/2 (Vinyl) 10" Staples	+148.4
Economy Triple 4 (Vinyl) 12" Nails	+133.0
Economy Triple 4 (Vinyl) 12" Staples	+133.0
Economy Triple 4 (Vinyl) 10" Nails	+146.2
Economy Triple 4 (Vinyl) 10" Staples	+146.2

The detail for this table appears on Sheet 2 of 3



Allen N. Reeves
24 JUNE 2020

HR Engineering, Inc.
 CLIENT: PLYGEM/MASTIC
 REV. 15 JUNE 2020
 DATE: 27 MARCH 2025
 BY: A. REEVES
 Structural Engineer
 Florida License #19354
 PROJECT NO. 15030001
 SHEET 3 OF 3
 PROJECT NAME: MASTIC SOFFITS - FLORIDA