HOUSING END CAP -EXISTING HOST STRUCTURE, BY OTHERS (SEE SCHEDULES FOR OPTIONS)

TYPICAL ROLL-UP SHUTTER **EXTERIOR ELEV**

MAX SLAT SPAN (SEE SPAN SCHEDULES)

SEE REMAINING SHEETS FOR COMPLETE ELEVATION OPTIONS

VISIT ECALC.IO/31289

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GENERAL NOTES

1. THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING CODE, FOR USE INSIDE AND OUTSIDE OUTSIDE THE HIGH VELOCITY HURRICANE ZONE, PER ASTM E330, E1886, AND E1996 AND TAS 201, 202 & 203 STANDARDS. SEE PRODUCT APPROVAL EVALUATION FOR ADDITIONAL INFORMATION.

2. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.

3. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED PER SEPARATE ENGINEERING IN ACCORDANCE WITH THE GOVERNING CODE. PRESSURE REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASCE 7 AND CHAPTER 1609 OF THE FLORIDA BUILDING CODE SHALL BE LESS THAN OR EQUAL TO THE POSITIVE OR NEGATIVE ASD DESIGN PRESSURE CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN.

4. DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.



**SPAN SCHEDULE OWABLE DESIGN PRESSURE	
± 150.0 PSF ± 143.1 PSF ± 137.0 PSF ± 131.7 PSF ± 127.0 PSF ± 122.7 PSF ± 118.9 PSF ± 115.5 PSF ± 112.3 PSF	
± 143.1 PSF ± 137.0 PSF ± 131.7 PSF ± 127.0 PSF ± 122.7 PSF ± 118.9 PSF ± 115.5 PSF ± 112.3 PSF	
± 137.0 PSF ± 131.7 PSF ± 127.0 PSF ± 122.7 PSF ± 118.9 PSF ± 115.5 PSF ± 112.3 PSF	
± 131.7 PSF ± 127.0 PSF ± 122.7 PSF ± 118.9 PSF ± 115.5 PSF ± 112.3 PSF	
± 127.0 PSF ± 122.7 PSF ± 118.9 PSF ± 115.5 PSF ± 112.3 PSF	
± 122.7 PSF ± 118.9 PSF ± 115.5 PSF ± 112.3 PSF	
± 118.9 PSF ± 115.5 PSF ± 112.3 PSF	
± 115.5 PSF ± 112.3 PSF	
± 112.3 PSF	
+ 109 4 PSF	
1 100.41 01	
± 106.8 PSF	
± 104.3 PSF	
± 102.1 PSF	
± 100.0 PSF	
± 94.4 PSF	
± 88.9 PSF	
± 83.4 PSF	
± 77.9 PSF	
± 72.4 PSF	
± 66.8 PSF	
± 61.3 PSF	
± 55.8 PSF	
± 50.3 PSF	
± 00.0 i 0i	

	GLASS SEPARATION SCHEDULE			
	SLAT SPAN	INSTALLATIONS ≤ 30' ABOVE GRADE	INSTALLATIONS > 30' ABOVE GRADE	
	76.5"	5.8"	4.9"	
	80.0"	7.0"	5.0"	
	83.5"	7.0"	5.2"	
h	87.0"	7.0"	5.3"	
	90.5"	7.0"	5.5"	
	94.0"	7.0"	5.6"	
7	97.5"	7.0"	5.8"	
l	101.0"	7.0"	6.0"	
ı	104.5"	7.0"	6.1"	I
	108.0"	7.2"	6.3"	V
	111.5"	7.5"	6.6"	
	115.0"	7.7"	6.8"	
	118.5"	8.0"	7.1"	
	121.9"	8.3"	7.4"	
	134.0"	10.1"	7.5"	
	146.0"	10.1"	7.6"	
	158.0"	10.1"	7.7"	
	170.0"	10.1"	7.8"	
	182.0"	10.1"	7.9"	
	194.0"	10.1"	8.0"	
	206.0"	10.1"	8.1"	
	218.0"	10.1"	8.2"	
	230.0"	10.1"	8.3"	
5	241.5"	10.1"	8.3"	

- SLAT SPAN IS DEFINED AS THE DISTANCE BETWEEN RAILS FOR SINGLE SPAN ASSEMBLIES.
- LINEAR INTERPOLATION BETWEEN SHUTTER SPANS IS NOT PERMITTED. FOR SPANS BETWEEN THOSE INDICATED ABOVE, THE DESIGN PRESSURES FOR THE NEXT HIGHER SPAN SHALL BE USED.
- FOR INSTALLATIONS TO WOOD FRAMING HOST, SEE SPAN CHARTS TO WOOD FRAMING (SHEET 4)

- SLAT SPAN IS DEFINED AS THE DISTANCE BETWEEN RAILS FOR SINGLE SPAN ASSEMBLIES SEPARATION FROM GLAZING IS REQUIRED **ONLY** IN ASTM ESSENTIAL FACILITIES AND WIND ZONE 4.
- LINEAR INTERPOLATION BETWEEN SHUTTER SPANS IS NOT PERMITTED. FOR SPANS BETWEEN THOSE INDICATED ABOVE, THE SEPARATION FROM GLASS FOR THE NEXT HIGHER SPAN SHALL BE USED.

5. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.

6. ROLL-UP MECHANISM AND HOOD ASSEMBLY ARE NOT PART OF THIS APPROVAL.

7. THIS DOCUMENT CONTAINS INFORMATION RELEVANT TO THE NECESSARY STRUCTURAL REQUIREMENTS OF THE SYSTEM INSTALLATION. COMPONENTS AND FASTENERS NOT REFERENCED WHICH ARE PART OF THE INTERNAL FABRICATION OF THE SPECIFIED SYSTEMS OR ASSEMBLIES SHALL BE PER MANUFACTURER PUBLISHED SPECIFICATIONS

BE PER MANUFACTURER PUBLISHED SPECIFICATIONS.

8. THE STRUCTURAL ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS BY THIS SYSTEM SHALL BE VERIFIED BY OTHERS.

9. ALL EXTRUSIONS SHALL BE MINIMUM 6063-T6 ALUMINUM ALLOY, UNLESS NOTED OTHERWISE.
10. EACH SHUTTER ASSEMBLY SHALL BEAR A PERMANENT LABEL ON THE BOTTOM OF THE HOOD FACING THE EXTERIOR, OR ANYWHERE ELSE ALLOWED PER SECTION 1709.9.3 OF THE FBC 2017 WITH THE FOLLOWING

ALLOWED PER SECTION 1709.9.3 OF THE FBC 2017 WITH THE FOLLOWING MINIMUM INFORMATION:

AMERICAN SHUTTER SYSTEMS ASSOC., INC.

WEST PALM BEACH, FL

MISSILE LEVEL D - ASTM E1886, E1996 & E330 - TAS 201, 202 & 203

FLORIDA PRODUCT APPROVAL NUMBER

11. ALL BOLTS & WASHERS SHALL BE ZINC COATED STEEL, GALVANIZED STEEL, OR STAINLESS STEEL WITH A MINIMUM TENSILE YIELD STRENGTH OF 60 KSI. ALL ALUMINUM 3/16"Ø OR 1/4"Ø POP RIVETS SHALL BE 7075-T6 OR STRONGER.

12. ALL STEEL IN CONTACT WITH ALUMINUM SHALL BE PAINTED OR PLATED AS PRESCRIBED IN THE ABOVE-NOTED BUILDING CODE.

09/16/2020

FL#31658.1

EASTERN METAL

20-31289 **SCALE: NTS UNLESS NOTED**





