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THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 7TH EDITION (2020). ALSO APPLICABLE FOR THE FBC 6TH EDITION (2017), IBC/IRC (2015 & 2018), AS WELL AS CURRENT VERSIONS OF THE MN, NC, NJ, NY, OH, SC, & VA BUILDING CODES AS APPLICABLE. CODE ENFORCED COMPLIES WITH STATE OF SEAL AND IF MULTIPLE VERSIONS ARE LISTED THEN MOST STRINGENT APPLIES. DESIGN SHALL UTILIZE ASD DESIGN METHOD USING ASCE 7-16 OR ASCE 7-10 CODES FOR SITE SPECIFIC APPLICATIONS AS APPLICABLE.

FOR USE WITHIN & OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ). USE IS LIMITED TO THE ALLOWABLE DESIGN PRESSURES NOTED IN THIS DOCUMENT AND IS NOT TO BE USED AS AN APPROVED

MAXIMUM DESIGN PRESSURES: AS NOTED IN SCHEDULES HEREIN

SITE SPECIFIC DESIGN PRESSURES FOR USE WITH THIS PLAN SHALL MEET OR NOT EXCEED THE MAXIMUM DESIGN PRESSURE RATINGS HEREIN. THEY ARE TO BE OBTAINED BY OTHERS OR BY SEPARATE CERTIFICATION BY USE OF EITHER SITE SPECIFIC ENGINEERING OR SEALED WIND PRESSURE / LOAD COMBINATION CHARTS APPLICABLE TO THE LOCATION AND BUILDING THE PRODUCT IS APPLIED TO.

WARNING LABEL: THIS SHUTTER SYSTEM MUST BE PROVIDED WITH A WARNING LABEL, PERMANENTLY PLACED, STATING THE FOLLOWING: THIS PRODUCT IS NOT DESIGNED TO PROVIDE IMPACT RESISTANCE.

FASTENERS: DEWALT ULTRACON 1/4" / ITW TO BE ATTACHED TO CONCRETE OR WOOD. FOR EDGE DISTANCES AND EMBEDMENT LENGTHS REFER TO ANCHOR SCHEDULE.

ALL ALUMINUM SHALL BE 6063-T6 ALLOY & TEMPER.

FASTENERS SHALL BE WEATHER RESISTANT AND INSTALLED PER MANUFACTURERS SPECIFICATIONS.

THIS DESIGN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. IF SITE CONDITIONS DEVIATE FROM THE CONDITIONS DETAILED HEREIN, A SITE SPECIFIC DESIGN PREPARED BY THIS PROFESSIONAL ENGINEER SHAL BE REQUIRED.

THE CONTRACTOR OR PERMIT HOLDER IS RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS SYSTEM, INCLUDING VERIFYING THE ADEQUACY OF THE EXISTING STRUCTURE WHERE THE SYSTEM IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE

EMBOSED SEAL OF THE PROFESSIONAL ENGINEER OF RECORD WHO PREPARED IT.

11. ENGINEER SEAL AFFIXED HERETO VALIDATESTHE STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COSTS & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM DEVIATIONS FROM THIS PLAN.

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SUPPLY

METAL

S

DECORATIVE BOARD & BATTEN COLONIAL SHUTTER MASTER PLAN FBC 7TH ED (2020) & IBC (2-18)

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ASD LATERAL (WIND) LOADING CAPACITY (PSF

2 HORIZ.

(+/-) P.S.F

120

120

120

120

120

120

120

120

120

120

120

120

120

120

120

120

120

120

120

120

120

120

120

120

3 HORIZ.

(+/-) P.S.F

120

120

120

120

120

120

120

120

120

120

120

120

120

120

120

120

120

120

120

120

120

120

120

120

NOMINAL DIMS

PANEL

HEIGHT

24"

30"

36"

42"

48"

54"

PANEL

WIDTH

15"

18"

21"

24"

15"

18"

21"

24"

15" 18"

21"

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24"

15"

18"

21"

24"

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CHEDULE EMBED. (in.) E.D. (in.) 2.5 1.75 1 1.75 2.5 (SYP#2 MIN 1.75 G=55) ⅓" STEEL ⅓" ALUM. 0.625 5 PINCHES

STEEL = A-36 MIN. ALUMINUM = 6063-T6 MIN

ASD LATER	RAL (WIND) L	OADING CAF	PACITY (PSF)
NOMINAL DIMS		2 HORIZ.	3 HORIZ.
PANEL WIDTH	PANEL HEIGHT	(+/-) P.S.F	(+/-) P.S.F
15"		49	120
18"	00"	49	104
21"	96"	49	89
24"		49	78
15"	102"	41	117
7 18"		41	98
21"		41	84
24"		41	73
15"	108"	34	111
18"		34	92
21"		34	79
24"		34	69
15"		29	105
18"		29	87
21"	114"	29	75
24"		29	65
15"	1	25	100
18"	120"	25	83
21"		25	71

71

62

25

25

24"

95

83

ASD LATERAL (WIND) LOADING CAPACITY (PSF)							
NOMIN	AL DIMS	2 HORIZ.	3 HORIZ.	1			
PANEL WIDTH	PANEL HEIGHT	(+/-) P.S.F	(+/-) P.S.F				
15"		120	120				
18"		120	120				
21"	60"	120	120				
24"		120	120				
15"		120	120				
18"	CCII	120	120				
21"	00	120	120				
24"		113	113				
15"		117	120				
18"		117	120				
21"	12	117	120				
24"		104	104				
15"	70"	92	120				
18"		92	120				
21"	70	92	110				
24"		92	96				
15"		73	120				
18"	04"	73	119				
21"	04	73	102				
24"		73	89				
15"		60	120				
18"		60	111—				
	NOMIN. PANEL WIDTH 15" 18" 21" 24" 15" 18" 21" 24" 15" 18" 21" 24" 15" 18" 21" 24" 15" 18" 21" 24" 15" 15" 18"	NOMINAL DIMS PANEL WIDTH 15" 18" 21" 24" 15" 18" 21" 24" 15" 18" 21" 24" 15" 18" 21" 24" 15" 84" 21" 24" 15" 84"	NOMINAL DIMS 2 HORIZ. PANEL WIDTH PANEL HEIGHT (+/-) P.S.F 15" 120 120 15" 120 120 24" 120 120 18" 120 120 21" 120 120 24" 113 117 18" 72" 117 24" 104 15" 18" 92 92 24" 92 92 15" 73 73 18" 73 73 21" 73 73 24" 73 73 15" 60 60	NOMINAL DIMS 2 HORIZ. 3 HORIZ. PANEL WIDTH PANEL HEIGHT (+/-) P.S.F (+/-) P.S.F 15" 120 120 18" 120 120 24" 120 120 15" 120 120 18" 120 120 21" 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 117 120 117 120 117 120 117 120 18" 92 120 120 18" 92 120 110 92 96 15" 73 120 18" 73 119 73 102 24" 73 102 73 89 15"			

90"

60

60

21"

24"

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