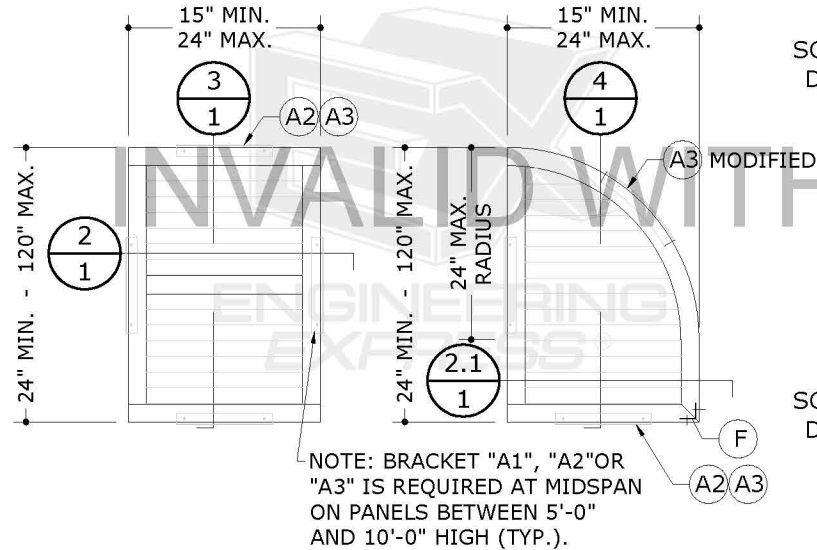
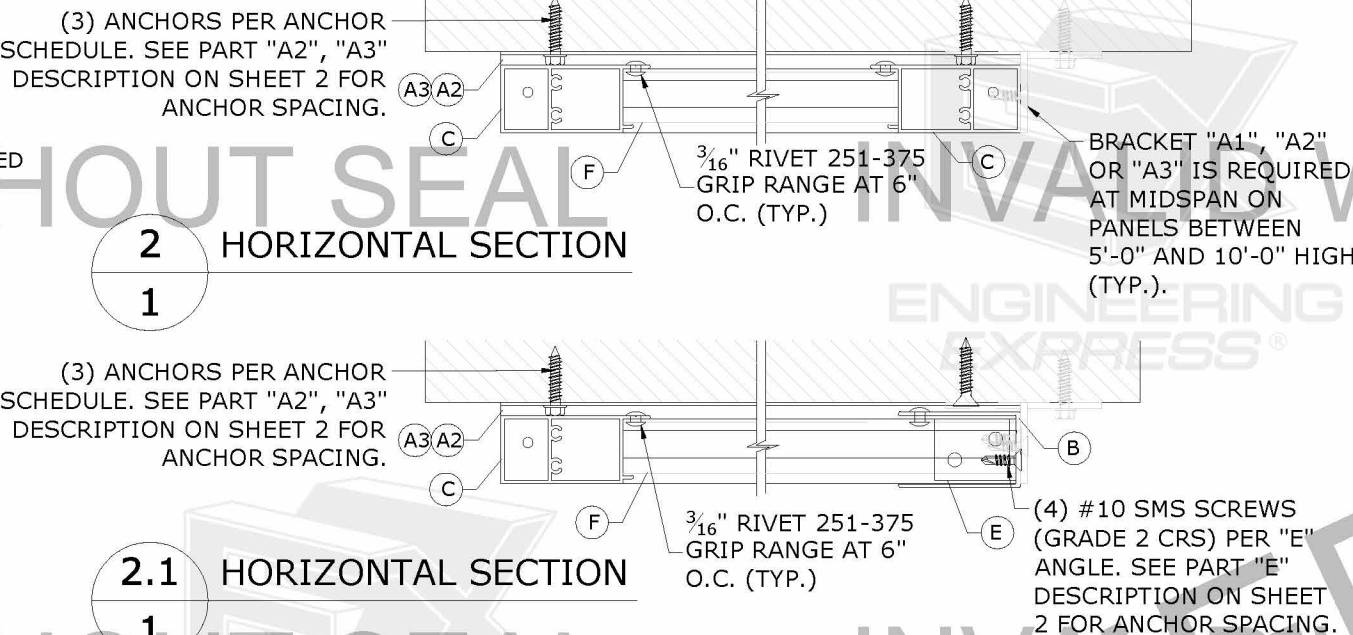


3 WAVE BLADE COLONIAL DECORATIVE SHUTTER

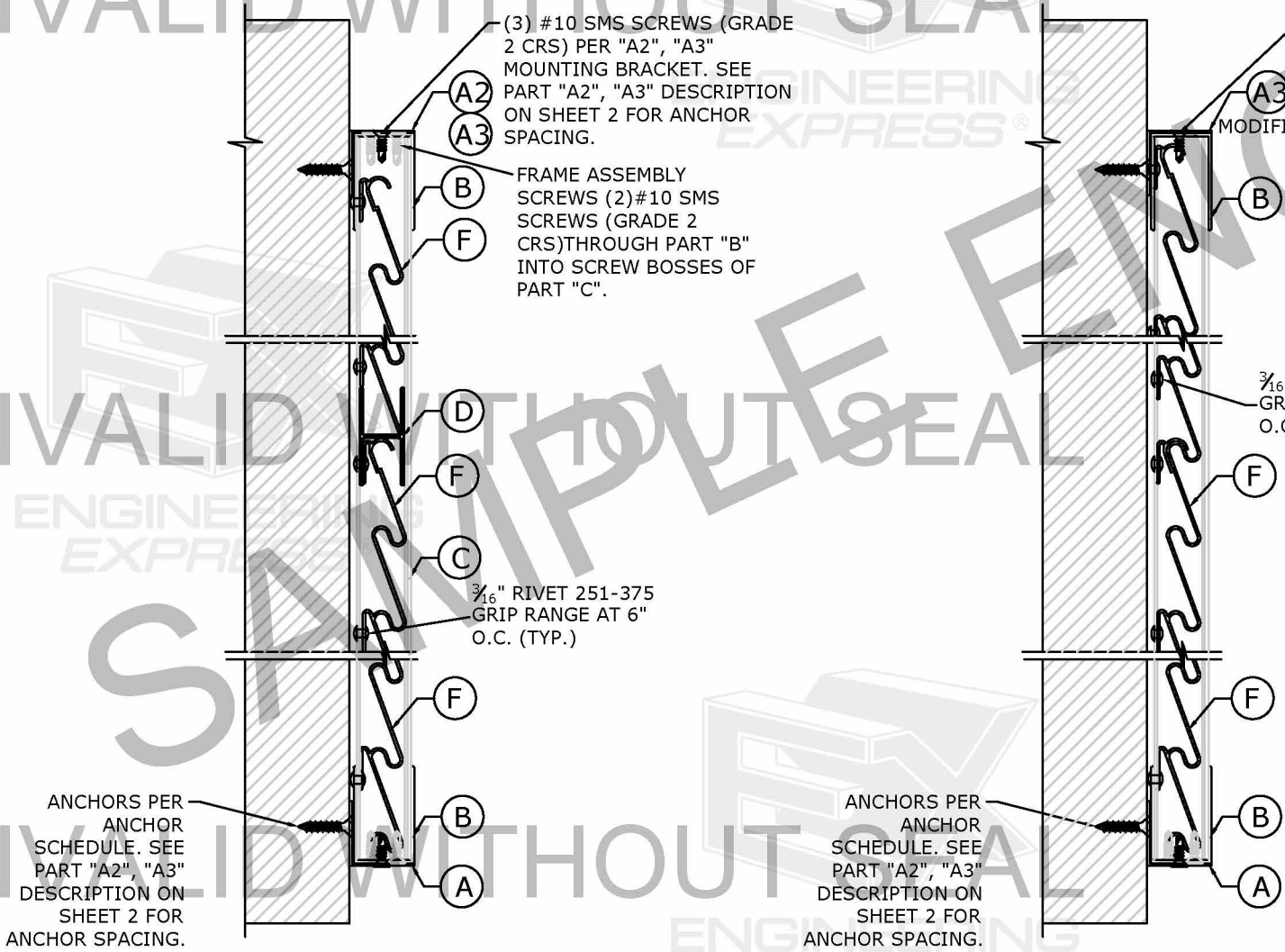
(NON-STRUCTURAL, DECORATIVE ORNAMENT, TYPICAL INSTALLATION (HVHZ & NON-HVHZ))



1 TYP. ELEVATION  
1 SCALE: 1/2" = 1'-0"



2 HORIZONTAL SECTION  
2.1 HORIZONTAL SECTION  
1



3 VERTICAL SECTION  
4 VERTICAL SECTION  
1

VALID AS A GENERIC SEALED MASTER PLAN FOR SHUTTER INSTALLATION ONLY AS DESCRIBED HEREIN AT (1) LOCATION. SITE SPECIFIC/ADDITIONAL ENGINEERING REQUIRED THEREAFTER.

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- GENERAL NOTES:
- 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 IMPACT PROTECTION DEVICE.
  - 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 ULTRA CON 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 SHALL 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.
  - THIS DOCUMENT SHALL BEAR THE DATE AND ORIGINAL EMBOSSED SEAL OF THE PROFESSIONAL ENGINEER OF RECORD WHO PREPARED IT.
  - ENGINEER SEAL AFFIXED HERETO VALIDATE THE 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.
  - ANY MODIFICATIONS OR ADDITIONS TO THIS DOCUMENT WILL INVALIDATE ENGINEER'S CERTIFICATION. EXCEPT AS PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

MAXIMUM DESIGN PRESSURES:  
AS NOTED IN SCHEDULES HEREIN

ANCHOR SCHEDULE			
ANCHOR TYPE	MATERIAL	EMBED. (in.)	E.D. (in.)
1/4" DEWALT ULTRA CONS	3000 PSI CONCRETE	1.75	2.5
	WOOD (SYP #2 MIN. G=55)	1.75	1
1/4" ITW TAPCONS	3000 PSI CONCRETE	1.75	2.5
	WOOD (SYP #2 MIN. G=55)	1.75	1
1/4-20 SMS	1/8" STEEL 1/8" ALUM.	5 PINCHES	0.625

STEEL = A-36 MIN.  
ALUMINUM = 6063-T6 MIN  
REFER TO PAGE 2 FOR DESIGN WIND PRESSURES.



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PE SEAL REQUIRED

CERTIFYING ENGINEER AND CERT OF AUTH AS LISTED ON STAMP

VALID FOR 1 PERMIT ONLY U.N.O.

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3 WAVE BLADE COLONIAL DECORATIVE SHUTTER MASTER PLAN FBC 7TH ED (2020) & IBC (2018)

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	JMP	FLB	2/19/18
2020 FBC	COB	FLB	5/17/21

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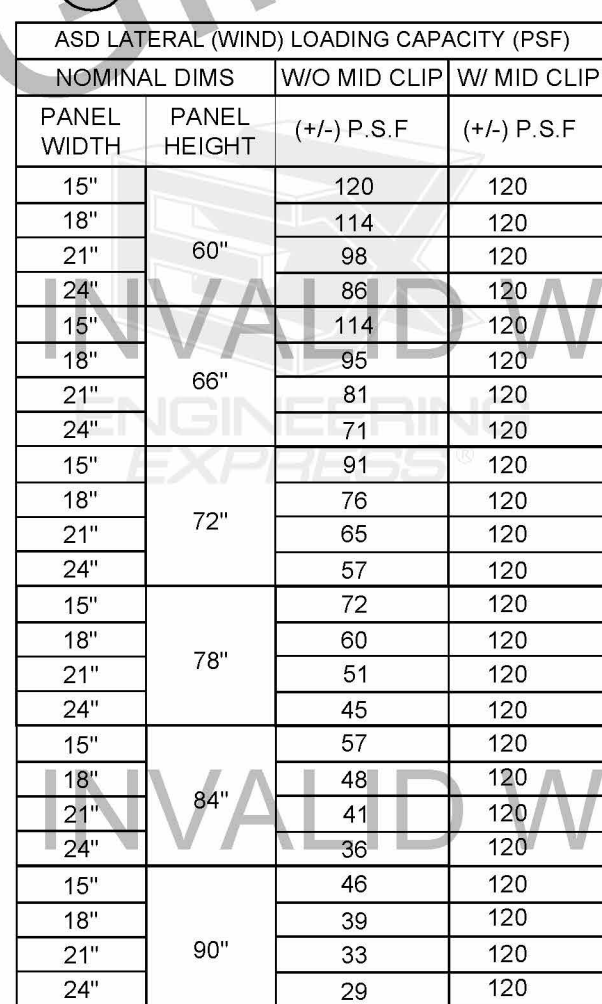
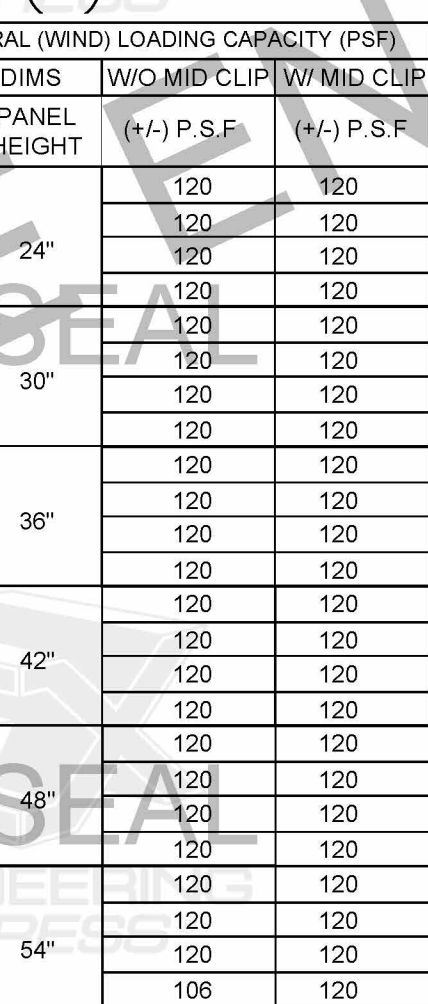
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SCALE: NTS UNLESS NOTED

1 OF 2

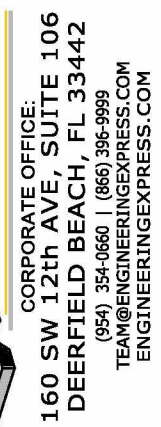




ASD LATERAL (WIND) LOADING CAPACITY (PSF)			
NOMINAL DIMS		W/O MID CLIP	W/ MID CLIP
PANEL WIDTH	PANEL HEIGHT	(+/-) P.S.F	(+/-) P.S.F
15"	96"	38	120
18"		32	120
21"		27	120
24"		24	120
15"	102"	32	120
18"		26	120
21"		23	120
24"		20	119
15"	108"	27	120
18"		22	120
21"		19	120
24"		16	106
15"	114"	23	120
18"		19	120
21"		16	109
24"		14	95
15"	120"	19	120
18"		16	114
21"		14	98
24"		12	86

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3 WAVE BLADE COLONIAL  
DECORATIVE SHUTTER MASTER PLAN  
FBC 7TH ED (2020) & IBC (2018)

2