

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE HIGH VELOCITY HURRICANE ZONE (HVHZ) AND NON-HIGH VELOCITY HURRICANE ZONE (NON-HVHZ) OF THE 5TH EDITION FLORIDA BUILDING CODE (2014).
2. SYSTEM RATED FOR LARGE AND SMALL MISSILE IMPACT.
3. STAINLESS STEEL SHEET METAL SCREWS USED AT LOUVER PIN SHALL BE # 14 x 3", 410-HT MINIMUM SERIES W/ 135.0 ksi YIELD STRENGTH & 180 ksi TENSILE STRENGTH. SCREWS SHALL BE COATED WITH XYLAN 5000 SERIES FLUOROPOLYMER COATINGS AS MANUFACTURED BY WHITFORD Co, BOX 507. WEST CHESTER PA 19381.
4. ALL ALUMINUM EXTRUSIONS SHALL BE 6063-T6 ALLOY WITH MINIMUM YIELD STRENGTH OF Fy=31.0 ksi.
5. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
6. ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
7. WOOD BUCKS BY OTHERS MUST BE SOUTHERN PINE, G = 0.55 AND MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
8. ALL ALUMINUM POP RIVETS TO BE 5052 ALUMINUM ALLOY WITH ALUMINUM MANDREL.
9. BOLTS TO BE GALVANIZED OR STAINLESS STEEL WITH 36 ksi MINIMUM YIELD STRENGTH.
10. SHUTTER'S COMPONENTS ARE PATENT PENDING.
11. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE SHUTTER IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE. THIS SHUTTER SHALL ONLY BE ATTACHED TO CONCRETE, BLOCK OR WOOD FRAME BUILDINGS.
12. A PERMANENT SHUTTER MANUFACTURER'S LABEL SHALL BE PLACED ON THE EXPOSED SURFACE OF THE CENTER MATE. ONE LABEL SHALL BE PLACED FOR EVERY OPENING.
LABEL SHALL READ AS FOLLOWS:
"PERFORMANCE SYSTEM 2 ACCORDION SHUTTER"
HURRICANE PROTECTION MANUFACTURERS ASSOCIATION
OPA-LOCKA, FLORIDA
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED
TEST REPORT TAS-201, 202 & 203.
13. (a) THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC.

(b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT BASED ON THIS PRODUCT APPROVAL PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

(c) THIS PRODUCT APPROVAL DOCUMENT WILL BE CONSIDERED INVALID IF MODIFIED.

(d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS DELEGATED ENGINEER TO THE P.E.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.

(e) THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER THAT PREPARED IT.
14. ULTIMATE LOAD OBTAINED FROM ASCE 7-10, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.

TYPICAL ANCHORS: (SEE CHARTS FOR ANCHOR SPACING)

TYPE A. 1/4" DIA. ITW TAPCON BY ITW BUILDEX

Fu = 120 KSI, Fy = 92 KSI
INTO CONCRETE fc'=3000 PSI
1-3/4" MIN. EMBED
2-1/2" MIN. EDGE DISTANCE

TYPE A1. INTO CONCRETE BLOCK
1-1/4" MIN. EMBED
2-1/2" MIN. EDGE DISTANCE

TYPE B. 1/4"-20 CALK-IN BY 'POWERS' FASTENERS

INTO CONCRETE fc'=3000 PSI
7/8" MIN. EMBED
3" MIN. EDGE DISTANCE

TYPE B1. INTO CONCRETE BLOCK
7/8" MIN. EMBED
3" MIN. EDGE DISTANCE

TYPE C. 1/4" CRETE-FLEX SS4 MASONRY ANCHOR BY "ELCO" CONSTRUCTION PRODUCTS

Fu = 120 KSI, Fy = 92 KSI
INTO CONCRETE fc'=3000 PSI
1 3/4" MIN. EMBED
2 1/2" MIN. EDGE DISTANCE

TYPE C1. INTO CONCRETE BLOCK
1 1/4" MIN. EMBED
2 1/2" MIN. EDGE DISTANCE

NOTES:

WHEN EDGE DISTANCE EQUAL OR GREATER THAN 2" AND LESS THAN MIN. EDGE DISTANCE SPECIFIED ABOVE THE ANCHOR SPACE IN ANCHOR CHARTS ON THE DRAWINGS MUST MULTIPLY BY FOLLOWING REDUCTION FACTOR:
ANCHOR TYPE A, & A1: REDUCTION FACTOR = 0.77
ANCHOR TYPE B & B1: REDUCTION FACTOR = 0.50
ANCHOR TYPE C & C1: REDUCTION FACTOR = 0.77

PLEASE NOTE THIS INSTALLATION ARE ONLY VALID FOR THE RESULTING ANCHOR SPACE EQUAL OR GREATER THAN 3".

LIMITATIONS OF USE	
A-	THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P. E.D.
B-	CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
C-	THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
D-	SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D.
E-	THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

YIPING WANG
P.E.
FLORIDA REGISTRATION
FL #55985
CA #5528677

Professional Engineer
STATE OF FLORIDA

DATE 5-11-16
SCALE
DRAWN Y.P
PROJECT MCY 16-041

DRAWING NO.
AD16-13

1 OF 10

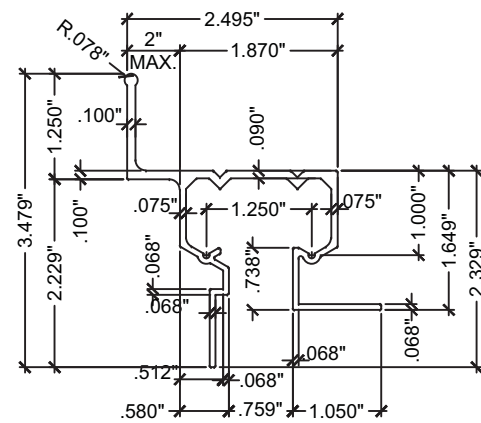
REVISIONS
NO. DATE DESCRIPTION

MCY
Engineering

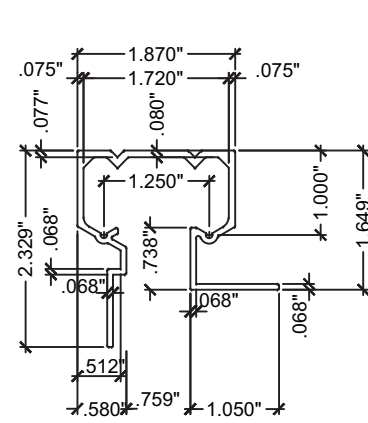
MCY ENGINEERING, INC.
GLAZING CONSULTANTS
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PERFORMANCE SYSTEM 2 ALUMINUM ACCORDION SHUTTER
HURRICANE PROTECTION MANUFACTURERS ASSOCIATION
14475 NW 26TH AVE
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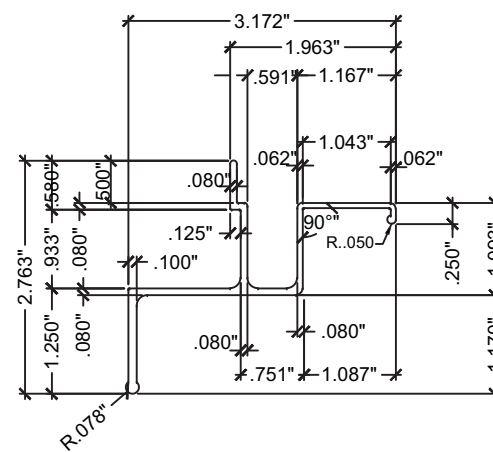
FLORIDA APPROVAL
#20466



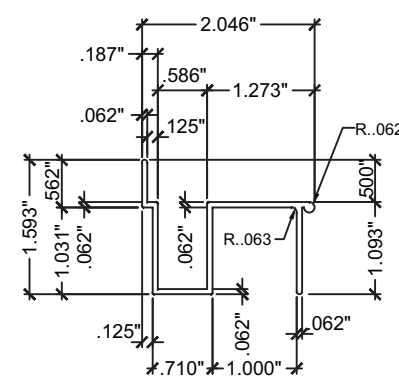
A WALL HEADER (& INVERTED)



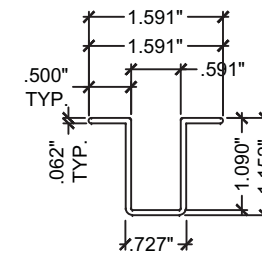
B CEILING HEADER



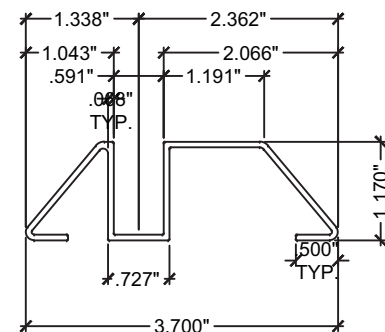
C WALL SILL



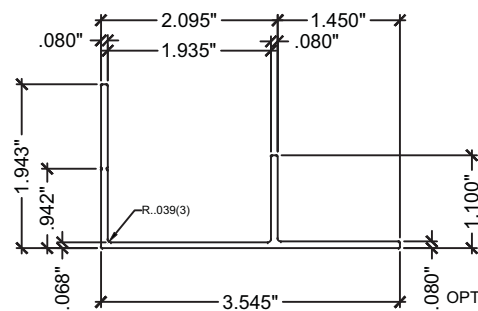
D FLOOR SILL
SCALE : 3/8" = 1"



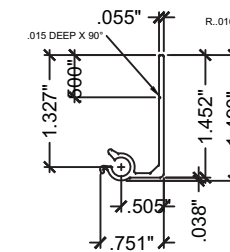
D1 FLOOR SILL
SCALE : 3/8" = 1"



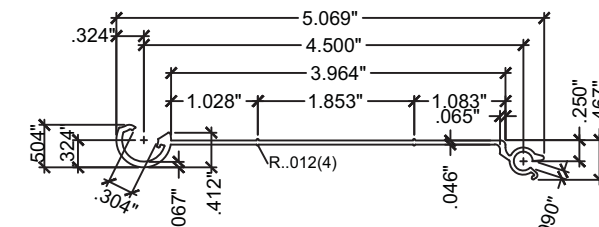
D2 THRESHOLD TRACK



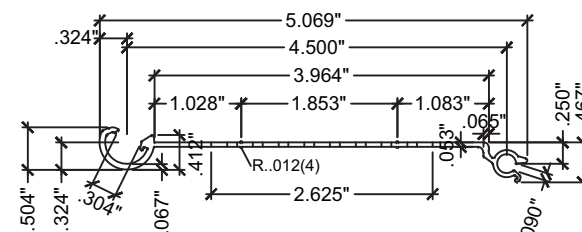
E ADJUSTABLE SILL ADAPTOR



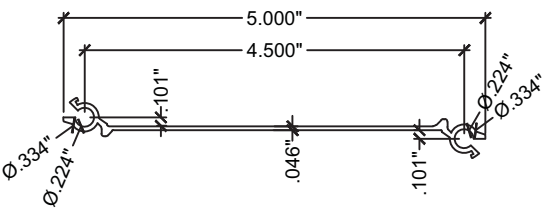
F1 180° MALE STARTER



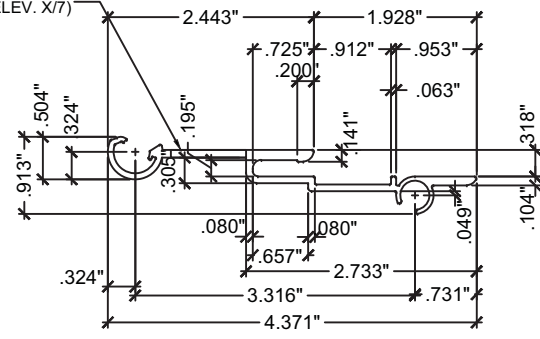
G MALE/FEMALE SOLID BLADE



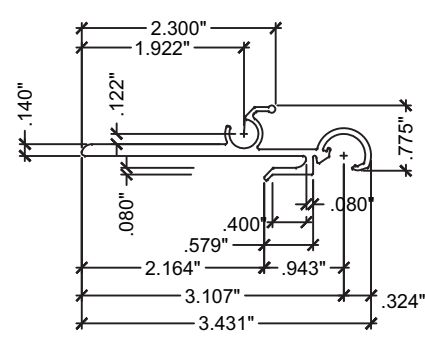
G' MALE/FEMALE PERFORATED BLADE



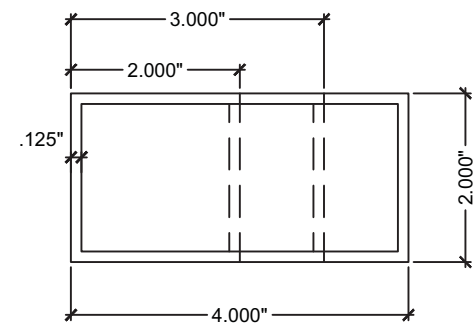
G1 MALE/MALE SOLID BLADE



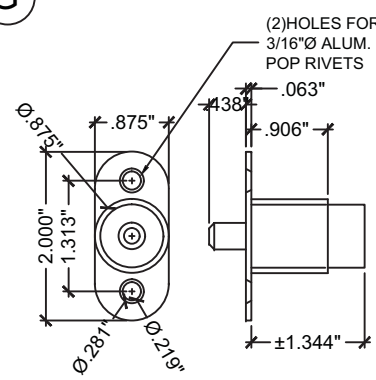
H FEMALE CENTERMATE BLADE
SCALE : 3/8" = 1"



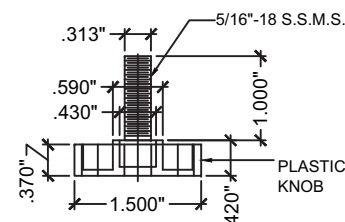
H1 MALE CENTERMATE BLADE
SCALE : 3/8" = 1"



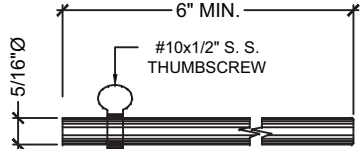
M ALUMINUM TUBES



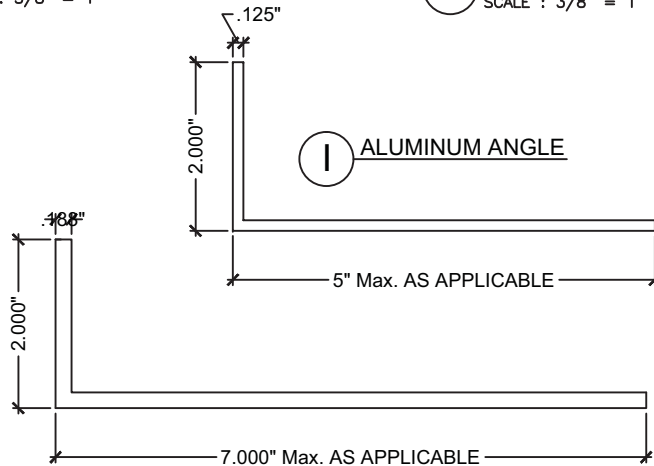
J BRASS NICKEL PLATED
PUSH BUTTON LOCK



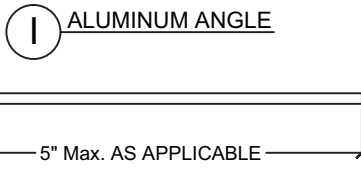
J1 5/16" Ø X 1" S.S.M.S
W/ PLASTIC KNOB LOCK



K LOCKING PIN (OPTIONAL)
SCALE : 3/8" = 1"



L1 ALUMINUM ANGLE



I ALUMINUM ANGLE

COMPONENTS

NO	DATE	DESCRIPTION

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

MCY

8501 SW 124 AVE. STE 205A P: 305.271.0117
MIAMI, FL 33183 F: 786.573.5063

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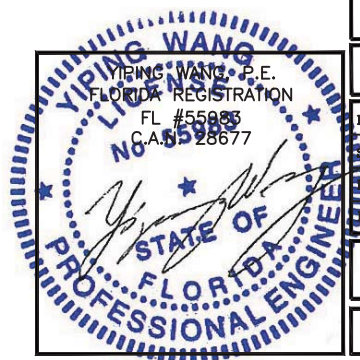
PERFORMANCE SYSTEM 2 ALUMINUM ACCORDION SHUTTER

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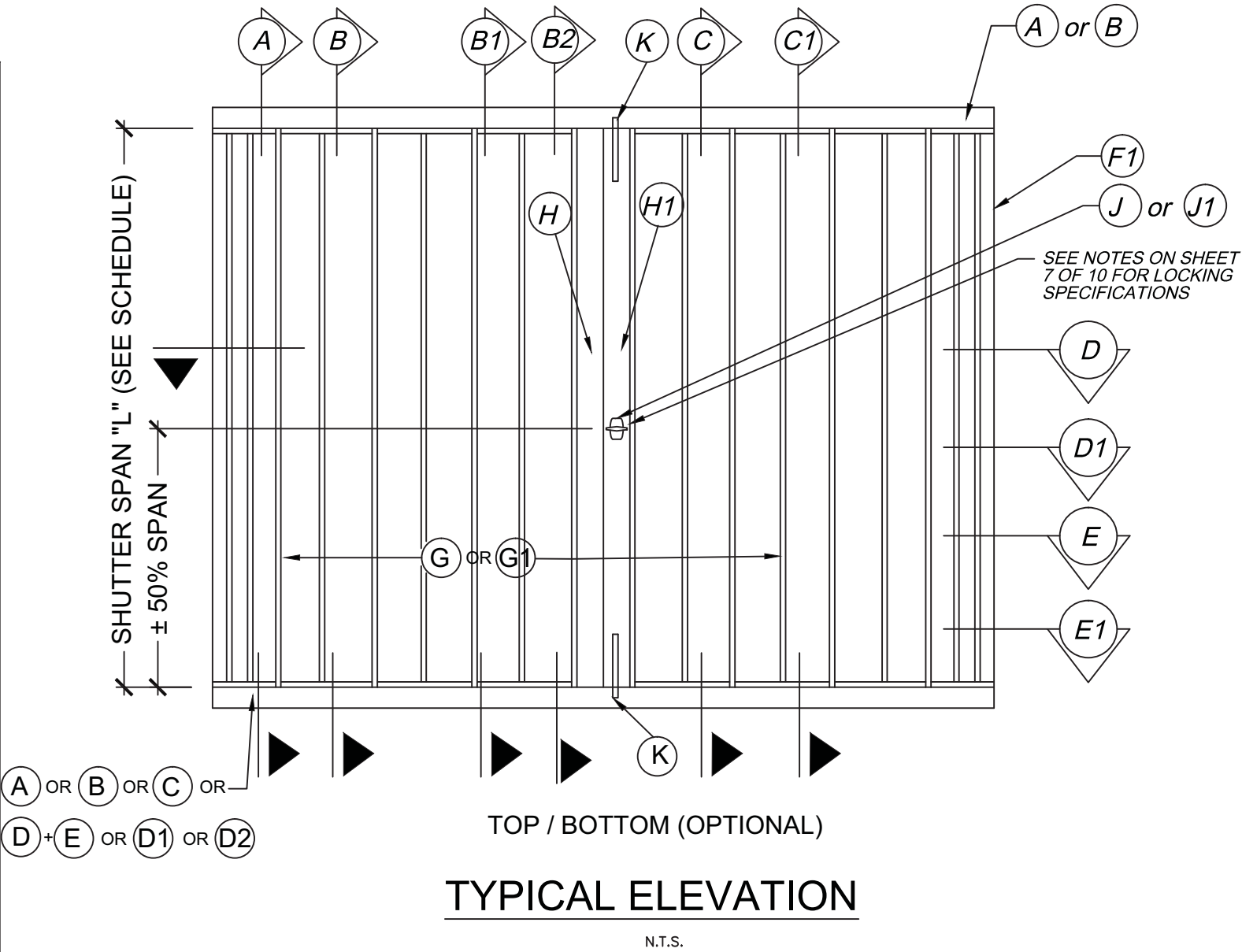
FLORIDA APPROVAL #20466	DATE 5-11-16
SCALE	DRAWN Y.P.
PROJECT MCY 16-041	DRAWING NO. AD16-13
2 OF 10	



May 18th, 2016

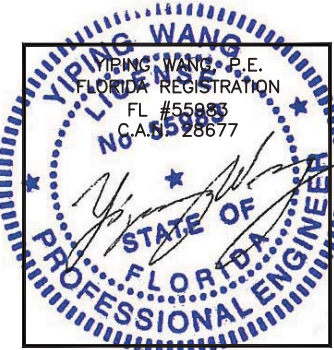
MAXIMUM DESIGN PRESSURE RATING "Pd" (PSF)
AND CORRESPONDING MAXIMUM SPAN "L" SCHEDULE.

MAXIMUM DESIGN LOAD "Pd" (PSF)	MAXIMUM SHUTTER SPAN FOR ALL SECTIONS		HVHZ MINIMUM SEPARATION TO GLASS (in.) ALL SECTIONS	NON-HVHZ NO MIN. SEPARATION IS REQUIRED
	Max. PANEL LENGTH L+ (ft.)	Max. PANEL LENGTH L- (ft.)		
40	13'-2"	14'-1"	3.0	-
45	12'-9"	14'-1"	3.0	-
50	12'-5"	14'-1"	3.0	-
55	12'-2"	13'-5"	3.0	-
60	11'-11"	12'-10"	3.0	-
65	11'-8"	12'-4"	3.0	-
70	11'-5"	11'-11"	3.0	-
75	11'-3"	11'-6"	3.0	-
80	11'-1"	11'-2"	3.0	-
85	10'-10"	10'-10"	3.0	-
90	10'-6"	10'-6"	3.0	-
95	10'-3"	10'-3"	2.875	-
100	10'	10'	2.875	-
105	9'-9"	9'-9"	2.625	-
110	9'-6"	9'-6"	2.5	-
115	9'-4"	9'-4"	2.5	-
120	9'-1"	9'-1"	2.5	-
125	8'-10"	8'-10"	2.5	-
130	8'-6"	8'-6"	2.375	-
135	-	8'-2"	2.375	-
140	-	7'-11"	2.375	-
145	-	7'-7"	2.375	-
150	-	7'-4"	2.375	-
155	-	7'-2"	2.375	-
160	-	6'-11"	2.375	-
165	-	6'-8"	2.375	-
170	-	6'-6"	2.375	-
175	-	6'-4"	2.375	-
180	-	6'-2"	2.375	-
185	-	6'	2.375	-
190	-	5'-10"	2.375	-
195	-	5'-8"	2.375	-



INSTRUCTION:

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON VELOCITY, BUILDING HEIGHT, WIND ZONE USING APPLICABLY ASCE 7 STANDARD.
- STEP 2** CHECK SHUTTER CAPACITY FOR A GIVEN SHUTTER SPAN USING CHARTS ON SHEET 3. MAX. DESIGN LOAD FROM CHART HAS TO BE GREATER THAN DESIGN WIND LOAD FROM STEP 1.
- STEP 3** USING CHARTS ON SHEET 4 THRU SHEET 10 SELECT ANCHOR TYPE AND SPACING BASED ON DESIGN LOAD AND SHUTTER SPAN FOR THE ANCHOR DETAIL USED.



REVISES	DESCRIPTION
NO.	DATE

MCY

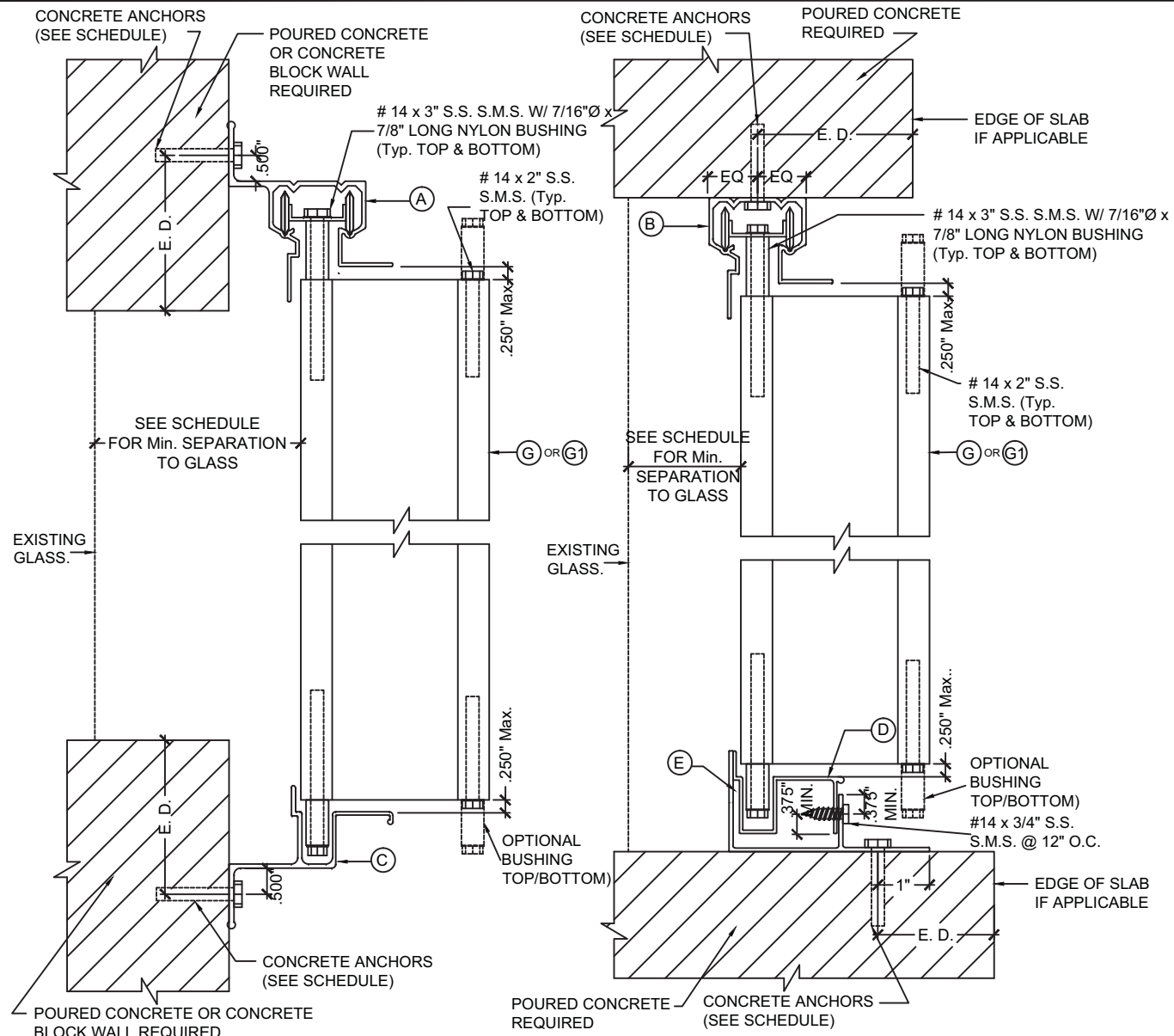
Engineering, Inc.

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FLORIDA APPROVAL #20466	
DATE	5-11-16
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DRAWING NO. AD16-13	
3 OF 10	



WALL MOUNTING INSTALLATION

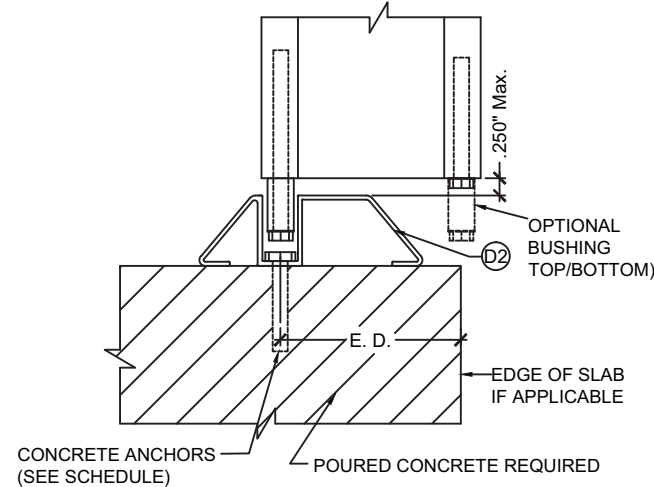
CEILING & FLOOR MOUNTING INSTALLATION

SECTION A

SECTION B

SCALE : 3/8" = 1"

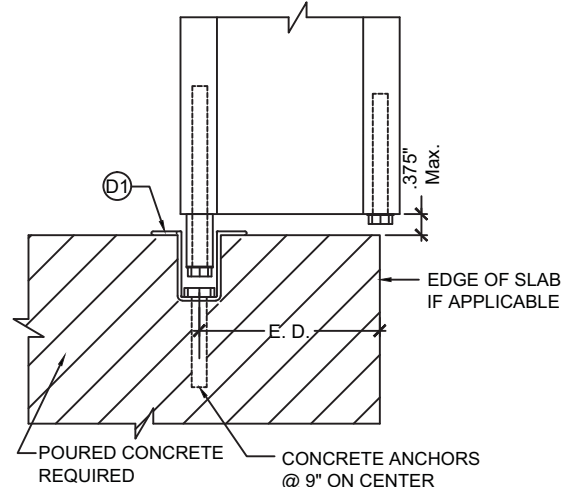
SCALE : 3/8" = 1"



FLOOR MOUNTING INSTALLATION

SECTION B1

SCALE : 3/8" = 1"



FLOOR MOUNTING INSTALLATION

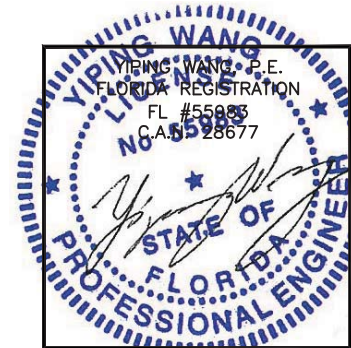
SECTION B2

SCALE : 3/8" = 1"

MAXIMUM DESIGN PRESSURE RATING "Pd" (PSF) AND CORRESPONDING
MAXIMUM ANCHOR SPACING (in.) SCHEDULE. +

MAXIMUM DESIGN LOAD "Pd" (PSF)	SHUTTER SPAN (INCH)	SECTION A (TOP/BOTTOM)					SECTION B (TOP/BOTTOM) B1 (BOTTOM)		
		SUBSTRATE CONCRETE			SUBSTRATE BLOCK		SUBSTRATE CONCRETE		
		ANCHOR TYPE A	ANCHOR TYPE B	ANCHOR TYPE C	ANCHOR TYPE B1	ANCHOR TYPE C1	ANCHOR TYPE A	ANCHOR TYPE B	ANCHOR TYPE C
60	60"	9	9	9	4	4.6	6	6	6
	78	9	9	9	3	3.5	6	6	6
	96	8	7.5	8	-	-	6	6	6
	120"	6	6	6.5	-	-	6	6	6
	144"	5	5	5.5	-	-	6	6	6
65	154"	5	4.5	5	-	-	6	6	6
	60"	9	9	9	3.5	4.2	6	6	6
	78	9	8.5	9	-	3.2	6	6	6
	96	7	7	7.5	-	-	6	6	6
	120"	5.5	5.5	6	-	-	6	6	6
70	148"	4.5	4.5	4.5	-	-	6	5.5	6
	60"	9	9	9	3.5	3.9	6	6	6
	78	8	8	8.5	-	3	6	6	6
	96	6.5	6.5	7	-	-	6	6	6
	120"	5.5	5	5.5	-	-	6	6	6
80	143"	4.5	4.5	4.5	-	-	5.5	5.5	6
	60"	9	9	9	3	3.4	6	6	6
	78	7	7	7.5	-	-	6	6	6
	96	6	5.5	6	-	-	6	6	6
	120"	4.5	4.5	5	-	-	6	6	6
100	134"	4	4	4.5	-	-	5.5	5	6
	60"	7.5	7.5	8	-	-	6	6	6
	78	5.5	5.5	6	-	-	6	6	6
	96	4.5	4.5	5	-	-	6	6	6
	120"	3.5	3.5	4	-	-	5	4.5	6
195	60"	3.5	3.5	4	-	-	5	4.5	6
	66"	3.5	3	3.5	-	-	4.5	4	5.5

NOTE:
FOR LIGHT DUTY SHUTTER ON SHEET 9, MAX. SPACING SHOULD BE LIMITED TO 6" O.C.



REVISIONS	NO.	DATE	DESCRIPTION

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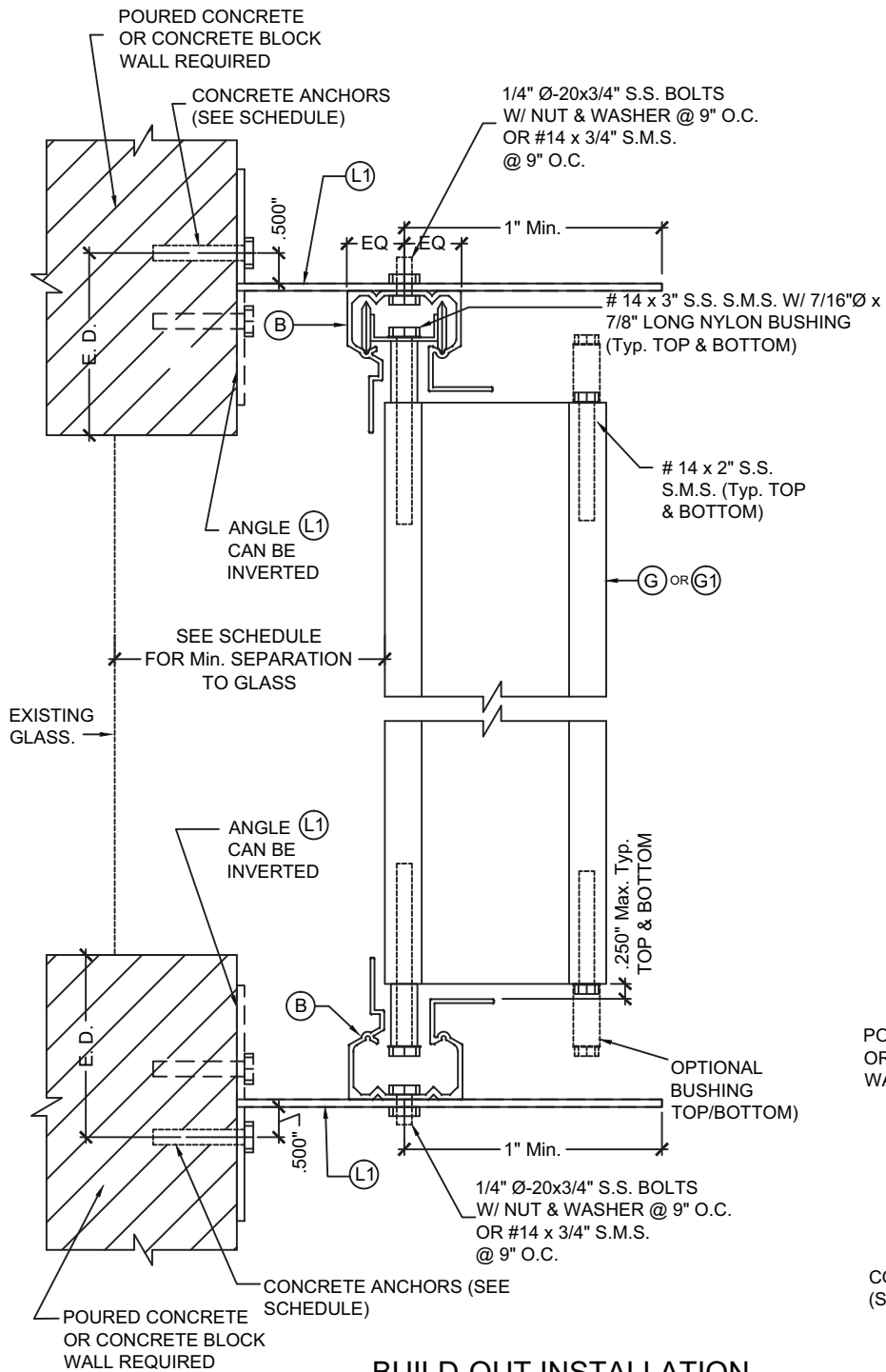
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FLORIDA APPROVAL	#20466
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	4 OF 10

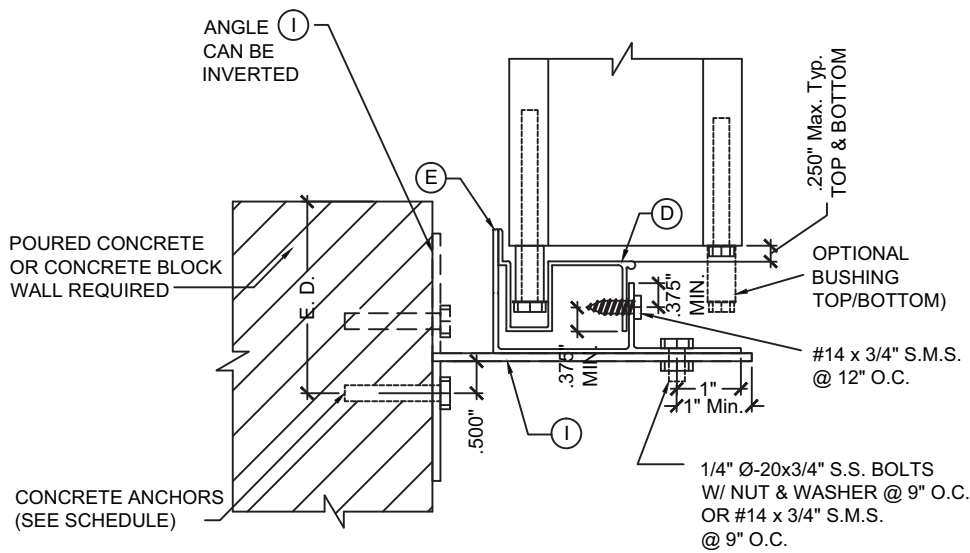
May 18th, 2016

MAXIMUM DESIGN PRESSURE RATING "Pd" (PSF) AND CORRESPONDING
MAXIMUM ANCHOR SPACING (in.) SCHEDULE. +

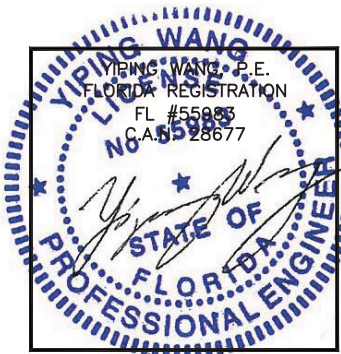
MAXIMUM DESIGN LOAD "Pd" (PSF)	SHUTTER SPAN (INCH)	SECTION C TOP/BOTTOM						SECTION C1 BOTTOM					
		SUBSTRATE CONCRETE			SUBSTRATE BLOCK			SUBSTRATE CONCRETE			SUBSTRATE BLOCK		
		ANCHOR TYPE A	ANCHOR TYPE B	ANCHOR TYPE C	ANCHOR TYPE A1	ANCHOR TYPE B1	ANCHOR TYPE C1	ANCHOR TYPE A	ANCHOR TYPE B	ANCHOR TYPE C	ANCHOR TYPE A1	ANCHOR TYPE B1	ANCHOR TYPE C1
60	60"	6	6	6	4	5.5	8.1	6	6	6	4	6	8.1
	78"	6	6	6	3	4.5	6.3	6	6	6	3	4.5	6.3
	96"	6	6	6	-	3.5	5.1	6	6	6	-	4	5.1
	120"	6	6	6	-	-	4.1	6	6	6	-	3	4.1
	144"	6	6	6	-	-	3.4	6	6	6	-	-	3.4
	154"	6	6	6	-	-	3.2	6	6	6	-	-	3.2
65	60"	6	6	6	3.7	5	7.5	6	6	6	3.7	5.5	7.5
	78"	6	6	6	-	4	5.8	6	6	6	-	4.5	5.8
	96"	6	6	6	-	3	4.7	6	6	6	-	3.5	4.7
	120"	6	6	6	-	-	3.8	6	6	6	-	-	3.8
	148"	6	6	6	-	-	3.1	6	6	6	-	-	3.1
70	60"	6	6	6	3.4	5	7	6	6	6	3.4	5.5	7
	78"	6	6	6	-	3.5	5.4	6	6	6	-	4	5.4
	96"	6	6	6	-	3	4.4	6	6	6	-	3	4.4
	120"	6	6	6	-	-	3.5	6	6	6	-	-	3.5
	143"	6	6	6	-	-	-	6	6	6	-	-	-
80	60"	6	6	6	-	4	6.1	6	6	6	-	4.5	6.1
	78"	6	6	6	-	3	4.7	6	6	6	-	3.5	4.7
	96"	6	6	6	-	-	3.8	6	6	6	-	3	3.8
	120"	6	6	6	-	-	3.1	6	6	6	-	-	3.1
	134"	6	5.5	6	-	-	-	6	6	6	-	-	-
100	60"	6	6		-	3.5	4.9	6	6	6	-	3.5	4.9
	78"	6	6		-	-	3.8	6	6	6	-	-	3.8
	96"	6	6		-	-	3.1	6	6	6	-	-	3.1
	120"	5	5	5.5	-	-	-	5	5.5	6	-	-	-
195	60"	5	5	5.5	-	-	-	5	5.5	6	-	-	-
	66"	4.5	4.5	5	-	-	-	5	5	5.5	-	-	-



BUILD-OUT INSTALLATION
SECTION C



BUILD-OUT INSTALLATION
SECTION C1

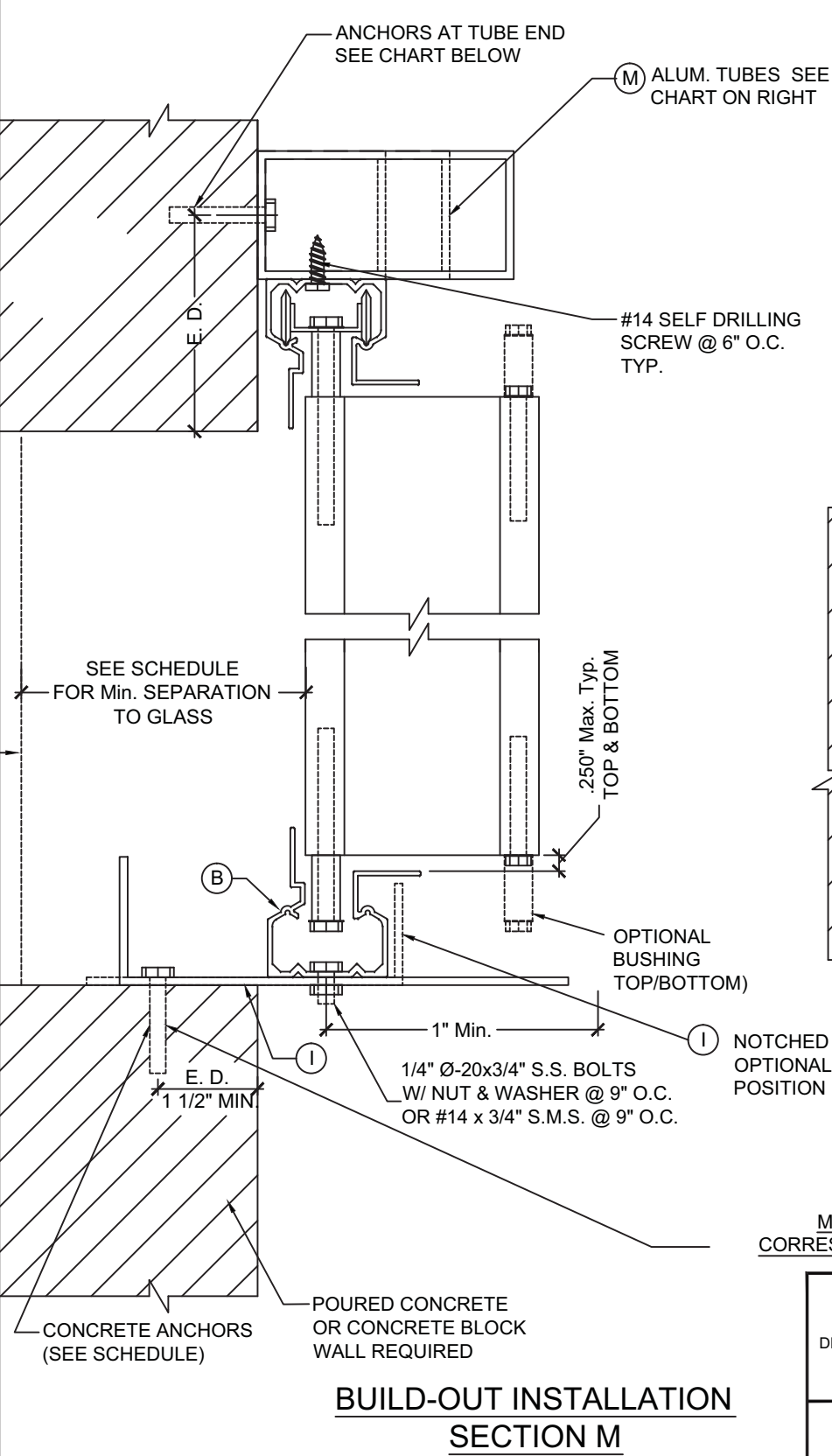


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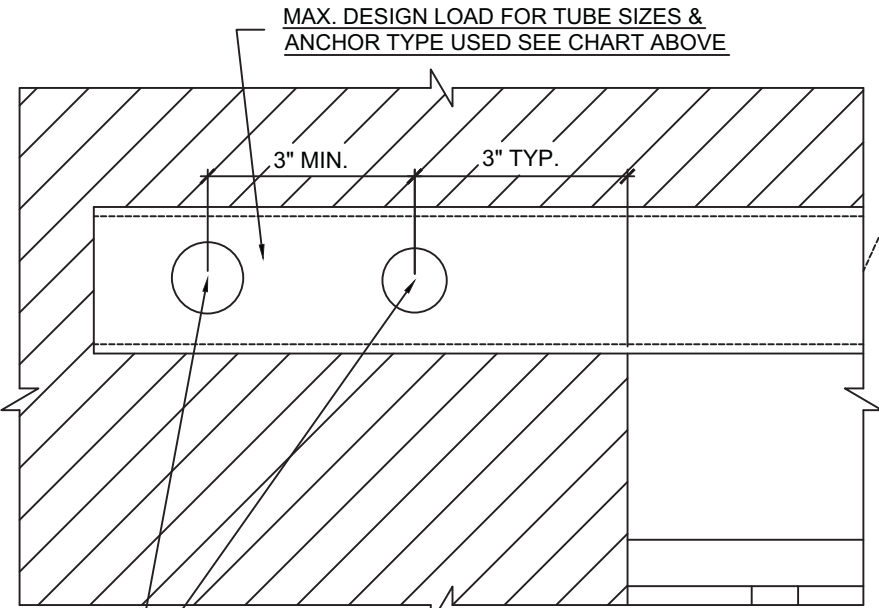
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PERFORMANCE SYSTEM 2 ALUMINUM ACCORDION SHUTTER		HURRICANE PROTECTION MANUFACTURERS ASSOCIATION	
14475 NW 26TH AVE		OPA-LOCKA, FL 33054	
Tel: (786) 245 - 6777		Fax: (305) 769 - 9117	

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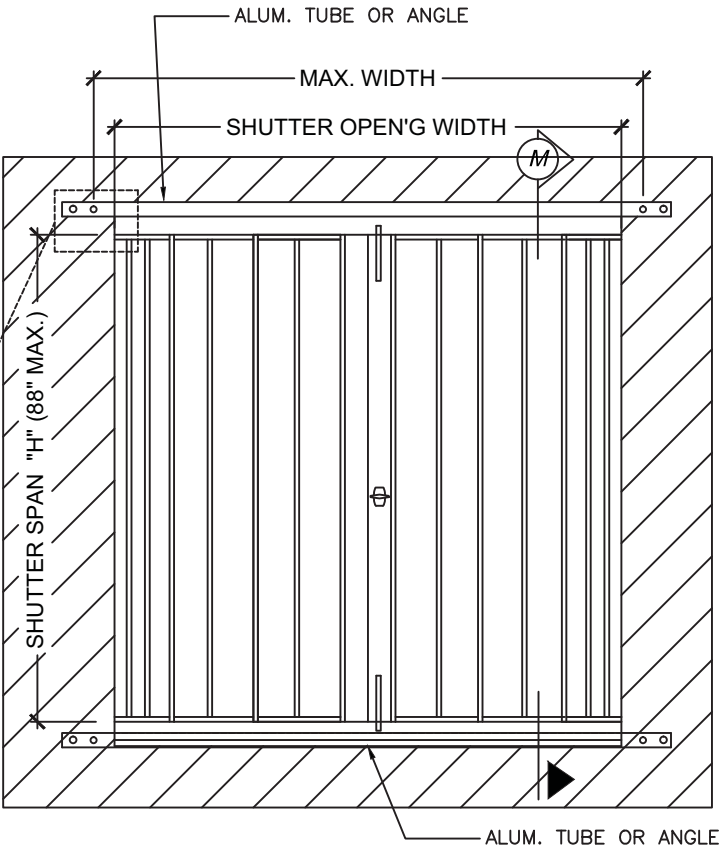
ALUM. TUBE SIZE	OPEN'G WIDTH	MAX. HEIGHT	DESIGN LOAD (PSF)	
			ANCHOR TYPE "A"	ANCHOR TYPE "C"
2"x2"x1/8"	42"	88"	65	65
2"x3"x1/8"	60"	88"	65	65
2"x4"x1/8"	78"	88"	57.3	62
	78"	84"	60	65
	78"	77"	65	65



OPTIONAL: FOR ANCHOR INTO GROUT FILLED CONCRETE BLOCK
fcm'=>1500 PSI USE (2) - 3/8" KWIK- BOLT 2 1/2" MIN. EMBED INTO
CONCRETE BLOCK 4" MIN. EDGE DIST. AND 4" SPACING

MAXIMUM DESIGN PRESSURE RATING "Pd" (PSF) AND
CORRESPONDING MAXIMUM ANCHOR SPACING (in.) SCHEDULE. +

MAXIMUM DESIGN LOAD "Pd" (PSF)	SHUTTER SPAN (INCH)	SECTION M BOTTOM	
		SUBSTRATE CONCRETE	
		ANCHOR SPACING (in.)	
65	60"	ANCHOR TYPE A	ANCHOR TYPE C
	72"	8.5	9
	84"	7	7.5
	88"	6	6.5
		5.5	6



TOP / BOTTOM (OPTIONAL)



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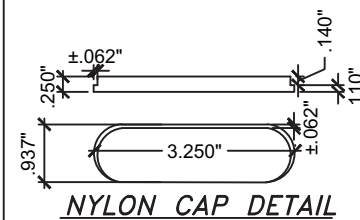
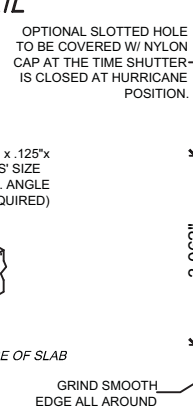
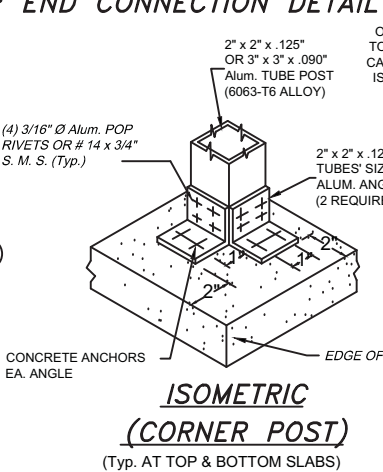
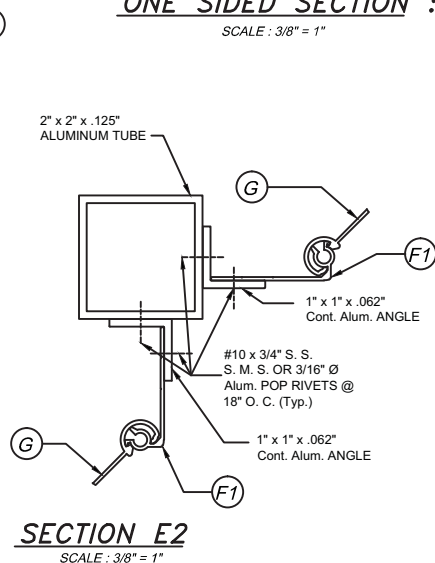
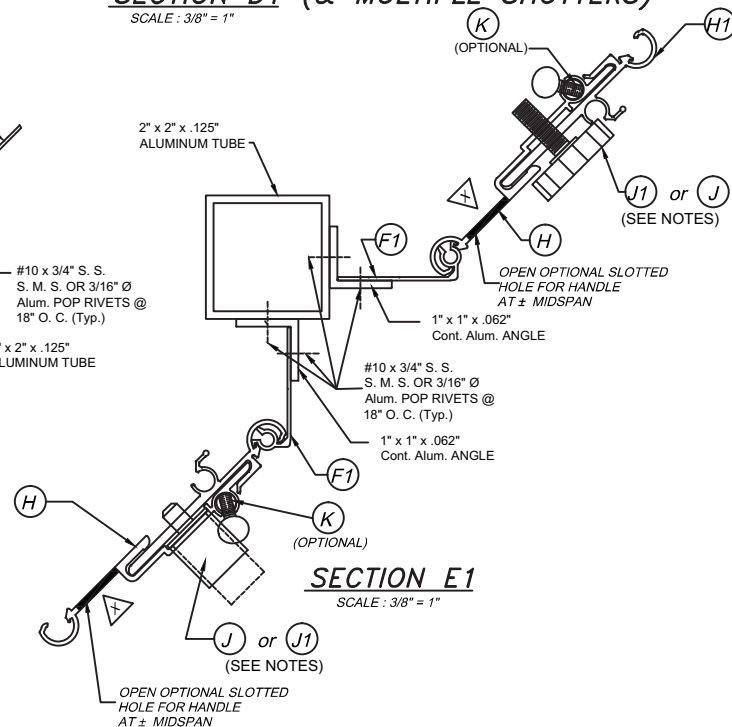
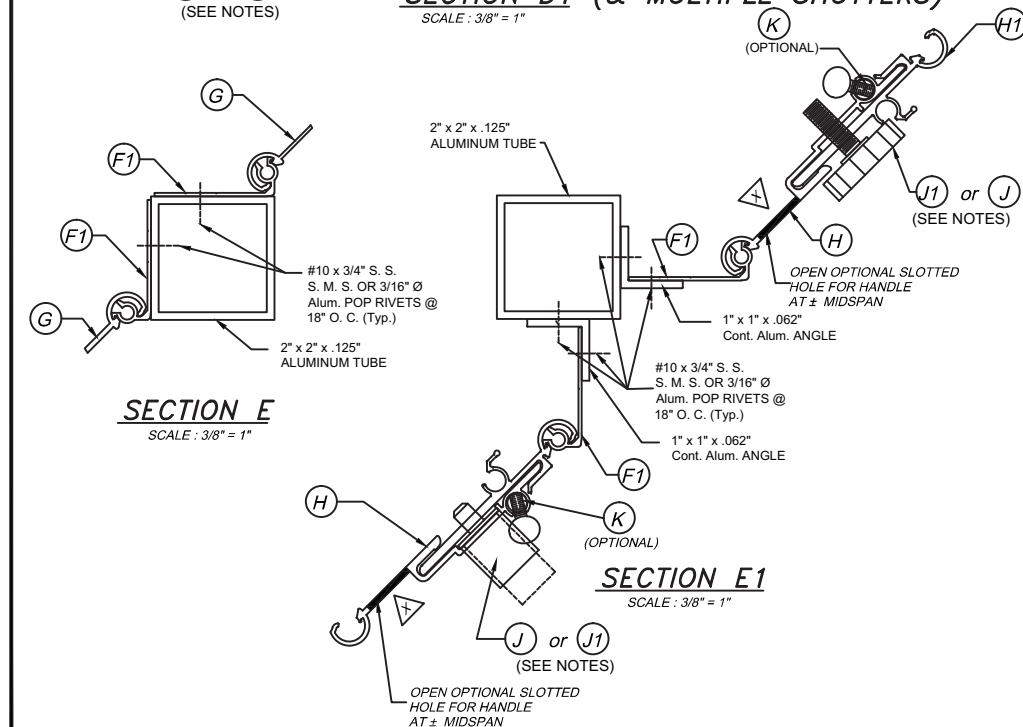
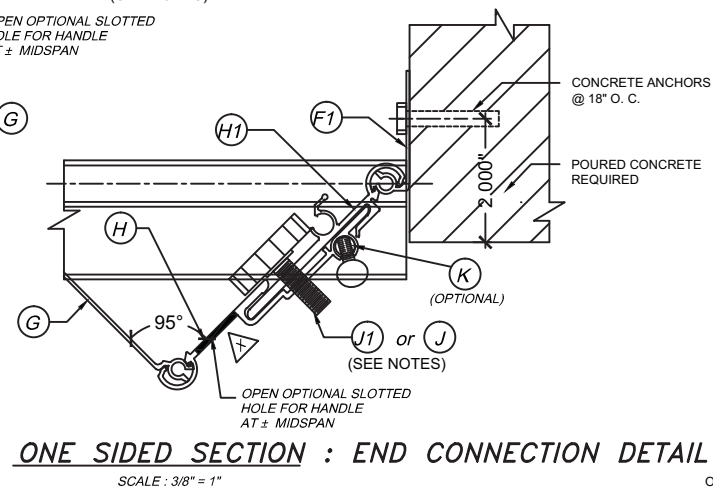
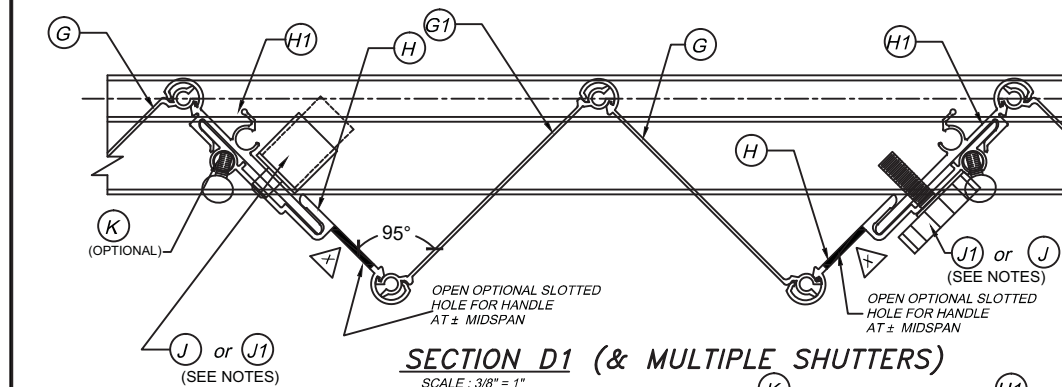
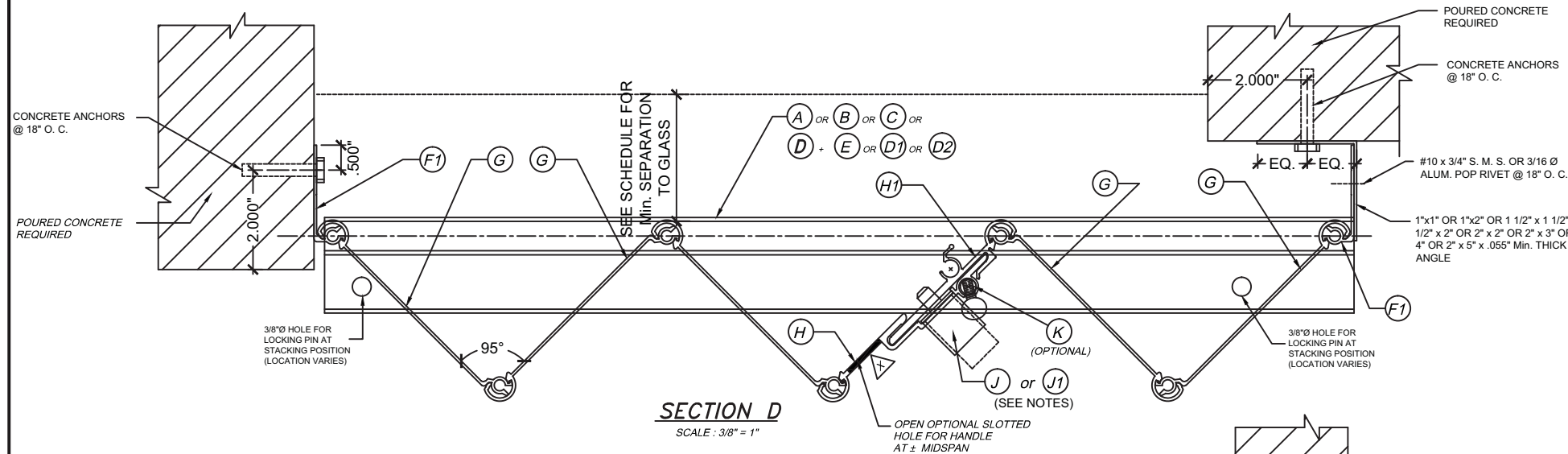
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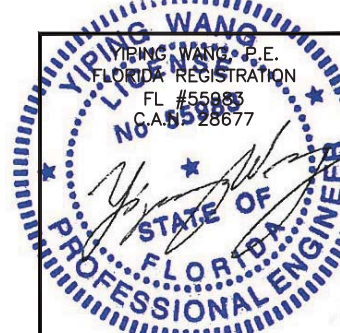


NOTES FOR LOCKING OF (H) & (H1)

1-PUSH BOTTOM LOCK (J) MAY BE USED FOR INSTALLATIONS SECURED FROM THE OUTSIDE OR INSIDE OF SHUTTER. WHEN INSTALLING (J) FROM THE OUTSIDE, A 7/8" Ø HOLE SHALL BE DRILLED AT (H) AND (J) MUST BE RIVETED FROM THE BACK OF TO THE FRONT W/ (2) 3/16" Ø ALUM. POP RIVETS. A 3/8" Ø HOLE MUST THEN BE DRILLED AT (H1) TO ALLOW FOR (J)'S PIN TO PASS THRU. WHEN INSTALLING (J) FROM THE INSIDE, (J) MUST BE RIVETED TO (H1) W/ (2) 3/16" Ø ALUM. POP RIVETS. A 3/8" Ø HOLE MUST THEN BE DRILLED THRU (H) AND (H1) TO ALLOW FOR (J)'S PIN TO PASS THRU.

2-5/16"x1" LOCK (J1) MAY BE USED ALTERNATIVELY TO (J) LOCK FOR INSTALLATIONS SECURED FROM THE OUTSIDE OR INSIDE OF SHUTTER. IN THIS CASE, A 5/16" Ø HOLE SHALL BE DRILLED THRU (H) AND (H1). HOLE DRILLED TO (H1) SHALL BE TAPPED TO ACCEPT 18 THREADS PER INCH MACHINE SCREW.

NOTE:
END CONDITIONS SHOWN CAN BE INTERCHANGEABLE.



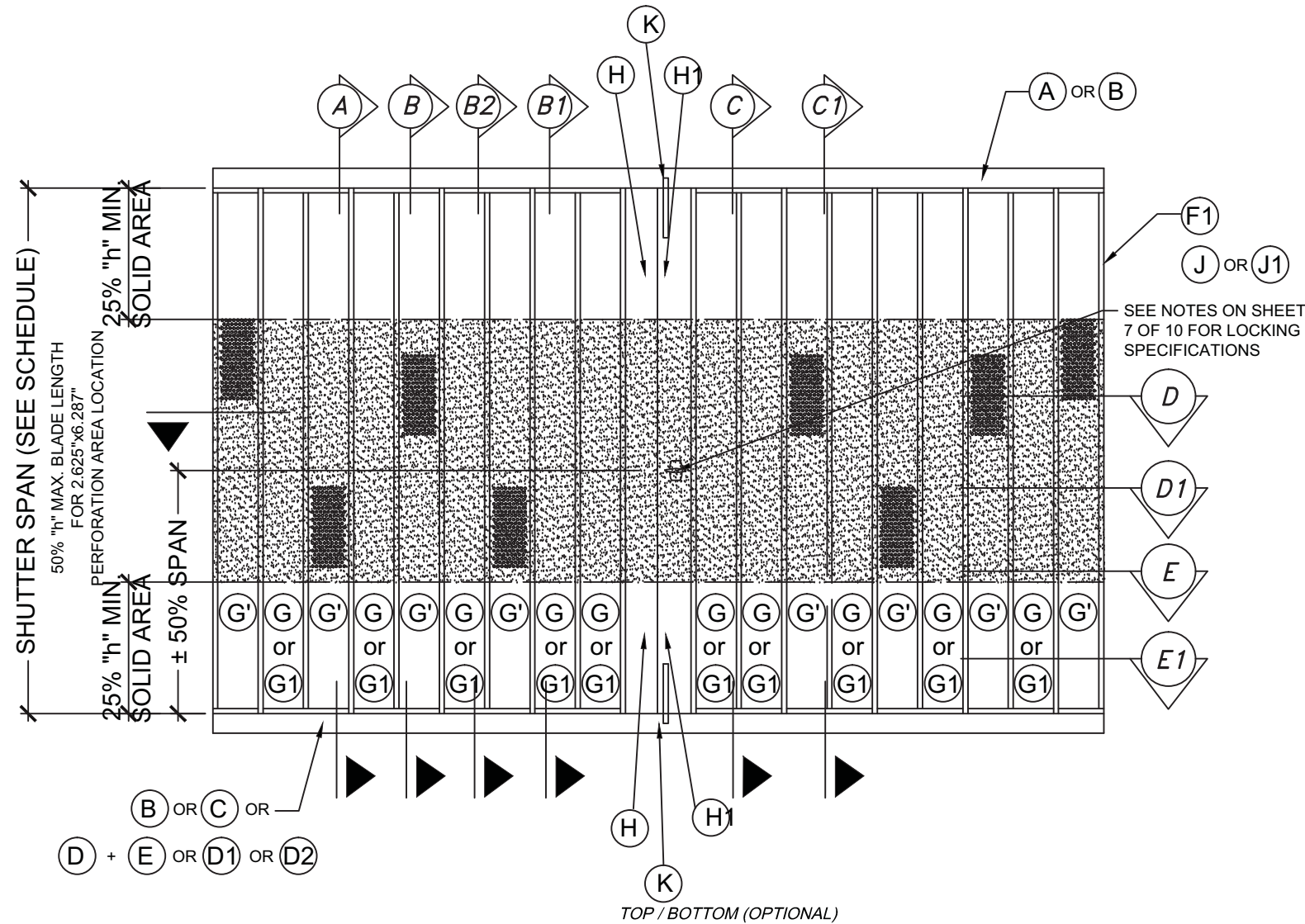
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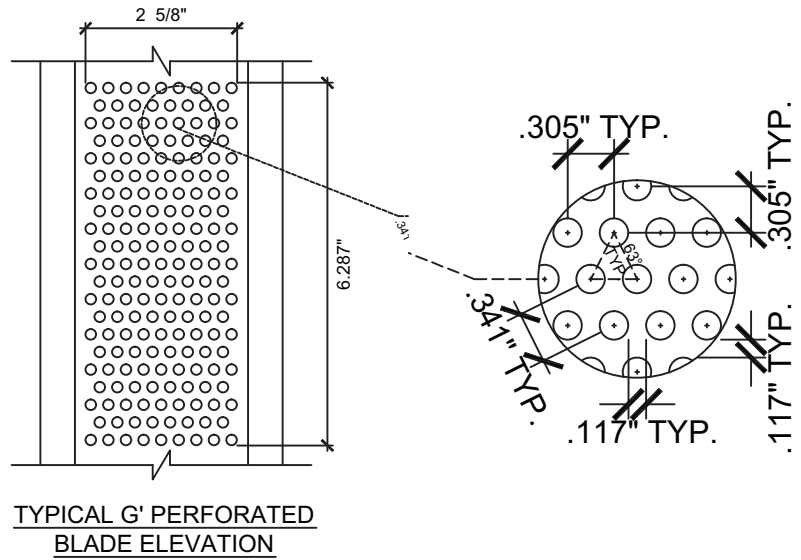
May 18th, 2016



TYPICAL ELEVATION



TYPICAL SHUTTER PLAN



SECTION S-S THRU G MALE/FEMALE BLADE

- GENERAL LIMITATIONS AND CONDITIONS OF USE FOR G OR G1 BLADE ACCORDIAN SHUTTER SYSTEM WORKING IN UNISON WITH G' BLADES.**
1. MAXIMUM SHUTTER SPAN AND PRESSURE RATING, MAXIMUM ANCHOR SPACING AND MINIMUM SEPARATION TO GLASS FOR G' AND G1' WORKING IN UNISON WITH G AND G1 ARE AS PER SCHEDULES ON SHEET 3, 4, 5 & 9.
 2. MAXIMUM PERFORATION AREA AT G', G1' IS $\pm 2.625" \times 6.28"$ AND MUST BE LOCATED WITHIN THE CENTRAL 50% OF THE BLADE SPAN.

PERFORATED BLADES G, G1 MUST BE SOLID AT THE TOP AND BOTTOM 25% OF BLADES SPAN.
 3. PERFORATED BLADES G', G1' SHALL BE INSTALLED AT EVERY OTHER BLADE (FREQUENCY).
 4. CENTERMATES H, H1 MUST ALWAYS BE ACCOMPANIED BY TWO SOLID BLADES G, G1 AT EITHER SIDE OF EACH CENTERMATE.
 5. STARTERS AND CENTERMATES MUST BE ALWAYS SOLID.
 6. STARTERS CONNECTION TO EXISTING BUILDING OR TO END/CORNER TUBES MUST BE AS PER DETAILS INDICATED ON SHEET 7.

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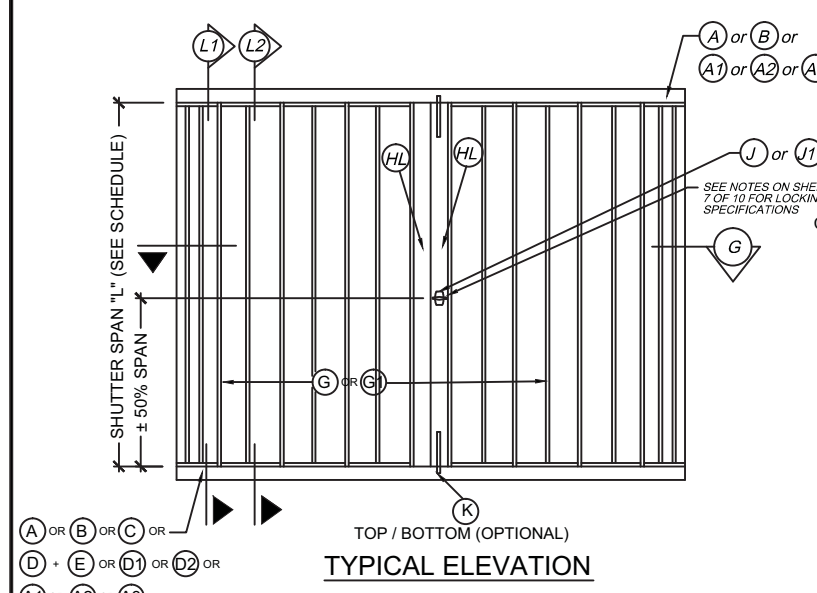
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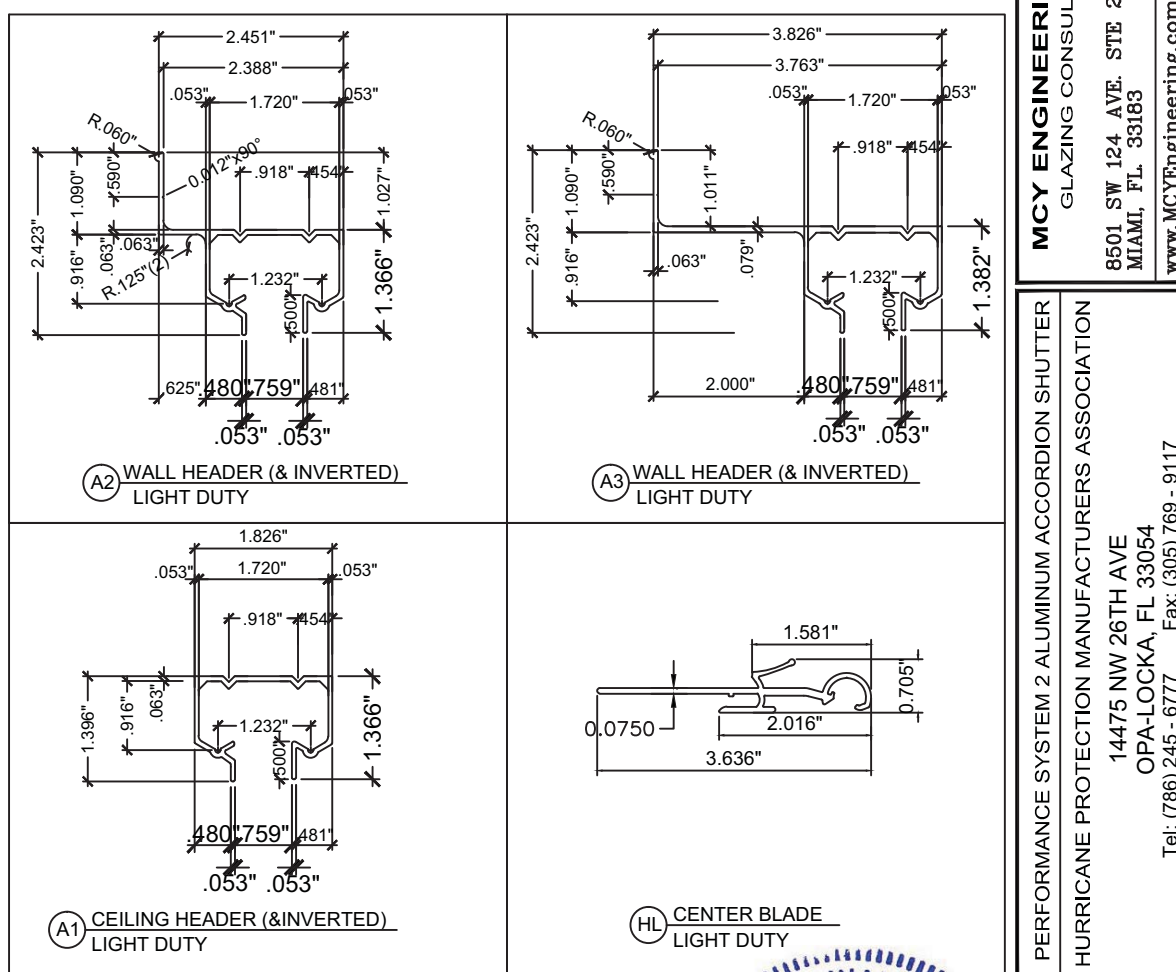
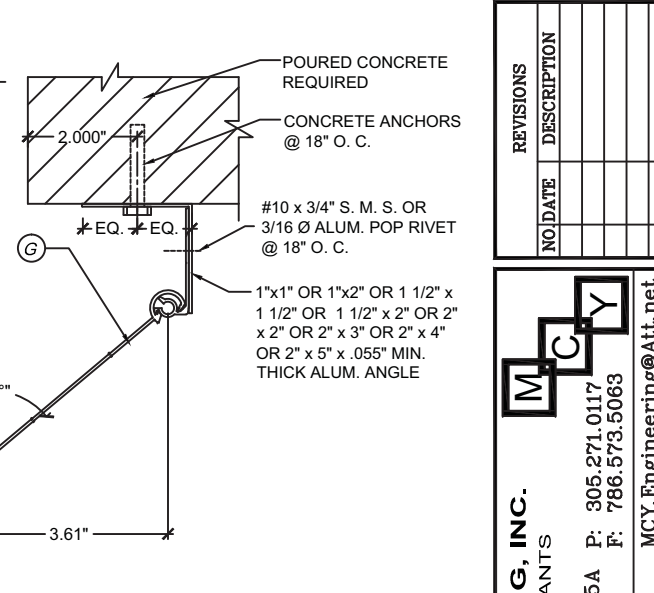
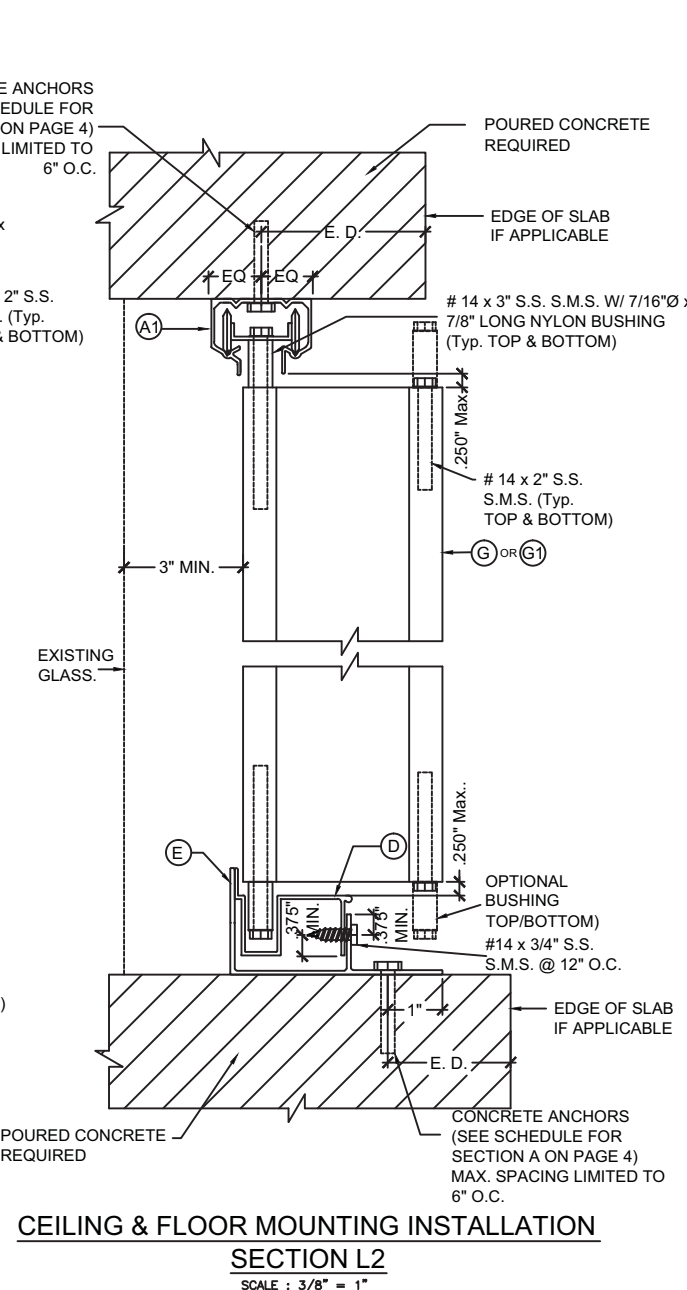
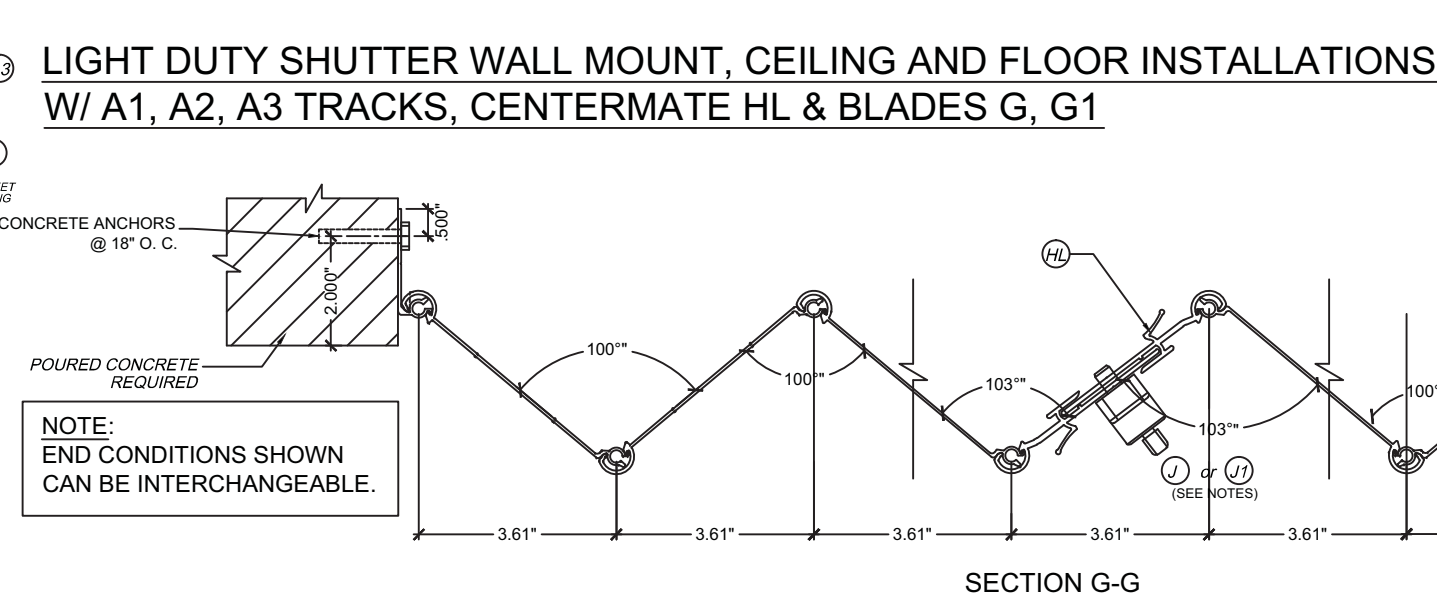
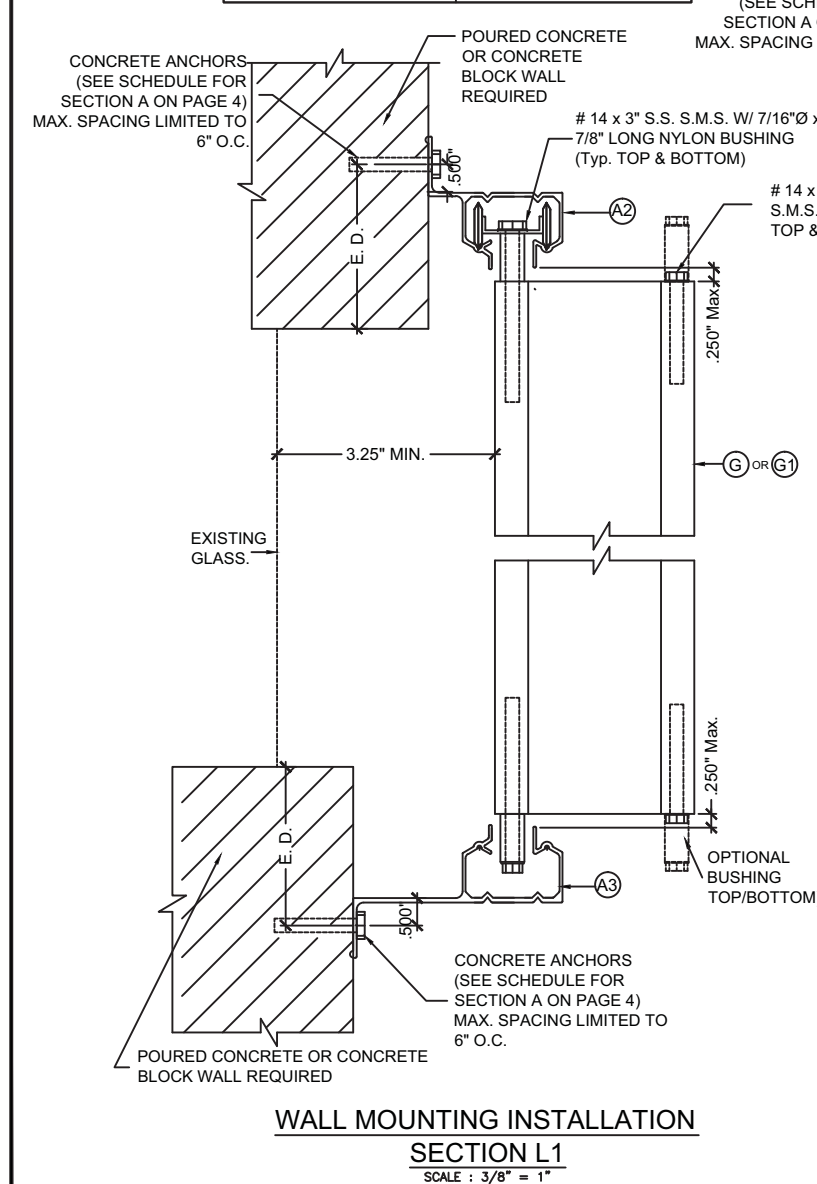
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YIPING WANG, P.E.
FLORIDA REGISTRATION
FL #55983
CA #528677

STATE OF FLORIDA
PROFESSIONAL ENGINEER

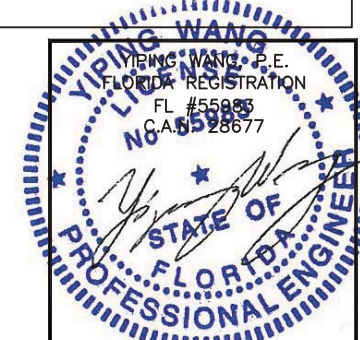
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MAX. SHUTTER SPAN "L"	MAX. DESIGN PRESSURE
60"	+/- 75 PSF
108"	+/- 70 PSF



NEW SHEET



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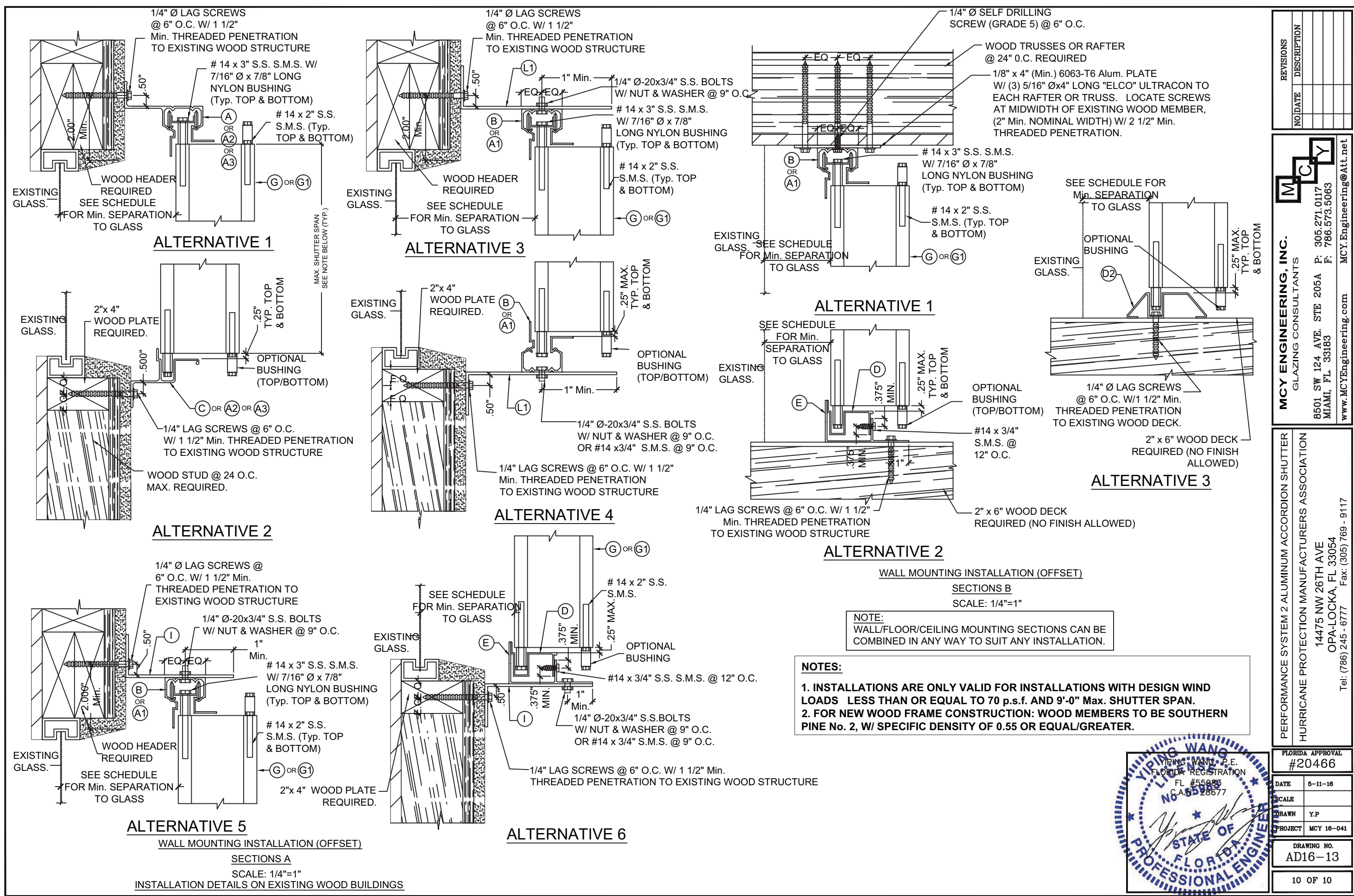
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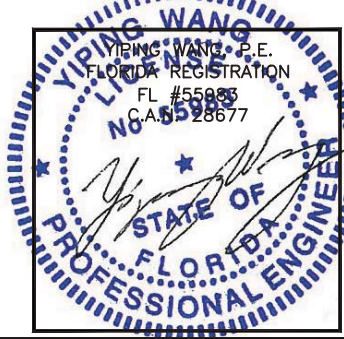
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