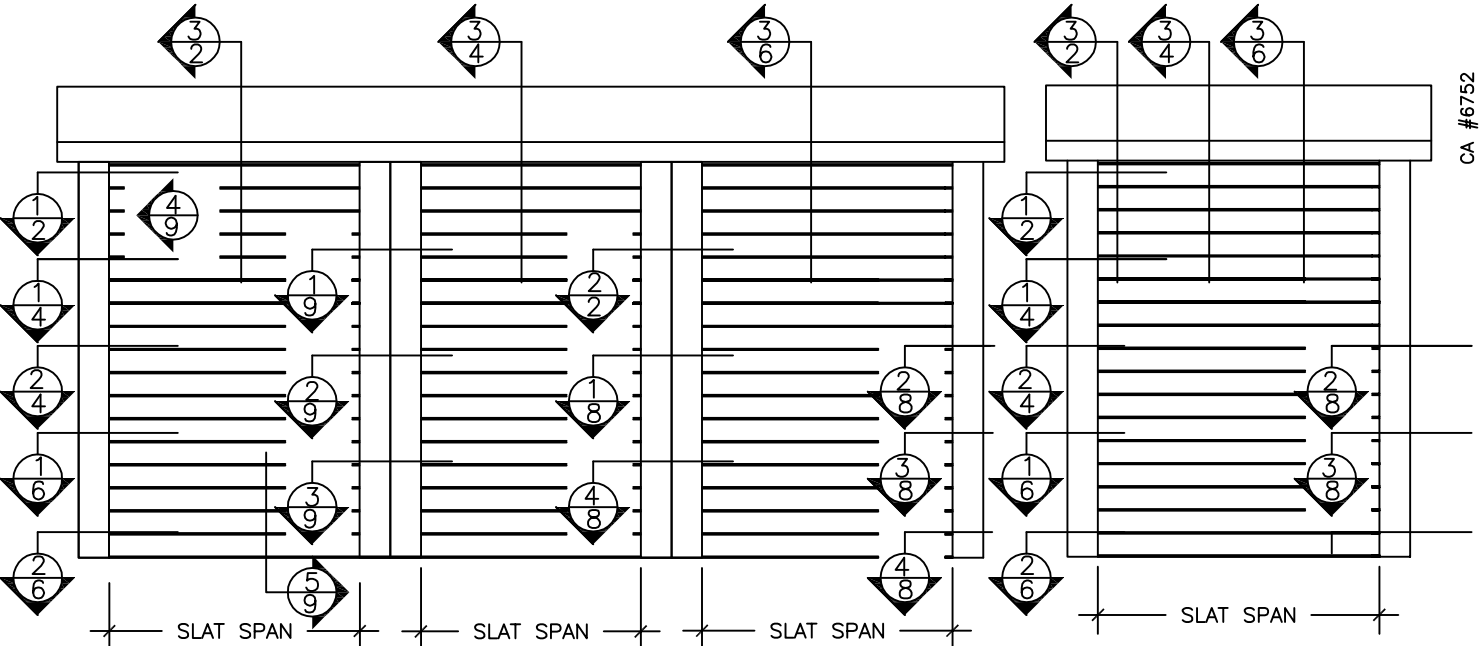


STRUCTURAL NOTES:

1. THIS NON POROUS SYSTEM HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2023 8th EDITION OF THE FLORIDA BUILDING CODE (FBC) . THIS SYSTEM SHALL NOT BE INSTALLED IN THE HIGH VELOCITY HURRICANE ZONE (MIAMI-DADE/ BROWARD COUNTIES). THE ADEQUACY FOR IMPACT, DEFLECTION AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1626 OF THE ABOVE REFERENCED CODE, AND ASTM E330-02, ASTM E1886-05 AND ASTM E1996-06. SEE LIST OF REPORTS ON SHEET 1 OF 11.
2. DESIGN PRESSURE REQUIREMENTS OF A SPECIFIC SITE SHALL BE DETERMINED BY OTHERS IN CONFORMANCE TO SECTION 1609 OF THE FBC FOR A BASIC WIND SPEED (ALLOWABLE STRESS DESIGN) AS REQUIRED BY THE JURISDICTION WHERE THE SYSTEM WILL BE INSTALLED. ULTIMATE DESIGN LOADS (UD) DETERMINED BY ASCE 7-16 SHALL BE REDUCED TO ALLOWABLE STRESS DESIGN LOADS (ASD) BY MULTIPLYING THE UD BY 0.6. TO COMPARE THEM TO THE ASD PRESSURE RATINGS SHOWN ON SHEETS 3, 5 & 7 OF 11. USE OF DIRECTIONALITY FACTOR Kd=0.85 IS ALLOWED.
3. IMPACT AND FATIGUE RESISTANCE HAS BEEN DETERMINED IN ACCORDANCE WITH THE FBC SECTION 1626 LARGE MISSILE AND 1609.1.2 MISSILE TYPE "D" AS LISTED HEREIN.
4. NO 33-1/3% INCREASE IN ALLOWABLE STRESS INCREASE HAS BEEN USED IN THE DESIGN OF THIS PRODUCT.
5. THIS PRODUCT EVALUATION DOCUMENT (PED) DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. IF SITE CONDITIONS DEVIATE FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS TO BE USED IN CONJUNCTION WITH THIS DOCUMENT.
6. THE CONTRACTOR AND / OR PERMIT HOLDER IS TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS SYSTEM, INCLUDING VERIFYING THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND THE NEW SUPERIMPOSED LOADS SHOWN BELOW AND THE SOUDNESS OF THE STRUCTURE WHERE THE SYSTEM IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE.
7. SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA LICENSED ENGINEER OR ARCHITECT WHO WILL BECOME THE ENGINEER OF RECORD (EOR) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE PED. THE ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE PED ENGINEER SHALL SUBMIT TO THIS ENGINEER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
8. THIS PED SHALL BEAR THE DATE AND ORIGINAL SEAL OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT REGARDLESS OF ITS AVAILABILITY FROM THE FLORIDA PRODUCT APPROVAL WEBSITE.
9. AN OPTIONAL UV AND / OR SOLAR EXTERNAL LAYER MAY BE ADDED ONTO THE SYSTEM.
10. LIMITATIONS OF USE:
THE MAXIMUM SIZE SHALL BE SHOWN ON SHEETS 3, 5 & 7 OF 11.
MAXIMUM HEIGHT OF ROLL-UP SHALL BE 30'-0".
11. FOR DETERMINING INTERNAL PRESSURE IN THE ABOVE REFERENCED CODES, THIS PRODUCT IS CLASSIFIED AS NON-POROUS WITH A POROSITY OF LESS THAN 10% FOR THE CONDITIONS SHOWN IN THIS PRODUCT EVALUATION DOCUMENT. THIS PRODUCT MUST COMPLETELY COVER AN OPENING IN ALL DIRECTIONS.
12. ALL SCREWS TO BE STAINLESS STEEL 304 OR GALVANIZED A307 STEEL.
13. ALL BOLTS TO BE ASTM A307, GALVANIZED OR 304 SERIES STAINLESS STEEL.
14. SUPPORTBRACKETS AND ANCHORS :
A. ANCHORS INTO THE SUPPORT SUBSTRUCTURE (WALL, CEILINGS, BEAMS AND FLOORS) SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS.
B. THE ANCHOR SPACING SHOWN ON SHEETS 3, 5, & 7 OF 11 INDICATED FOR 1/4" and 3/8" DIAMETERS REFER TO CENTER OF SUPPORTING BRACKETS.
C. ANCHOR MINIMUM EMBEDMENT AND EDGE DISTANCES
- | SUBSTRUCTURE | EMBEDMENT | EDGE DISTANCE |
|----------------------------------|------------|--------------------|
| HOLLOW BLOCK | 1-1/4 INCH | 12 D OR PER MANUF. |
| GROUT FILLED OR KSI CONCRETE | 1-3/4 INCH | 12 D OR PER MANUF. |
| 4 KSI CONCRETE OR 2 KSI CONCRETE | 1-3/4 INCH | 12 D OR PER MANUF. |
| WOOD OR TIMBER | 8 D | 3/4 INCH |
- D. NO EMBEDMENT INTO NON-STRUCTURAL MATERIAL SUCH AS STUCCO, SIDING AND PAVERS SHALL BE INCLUDED AS PART OF THE EMBEDMENT REQUIREMENT.
15. STEEL SURFACES TO BE PLACED IN CONTACT WITH ALUMINUM SHALL BE GIVEN ONE COAT OF ZINC CHROMATE PRIMER IN ACCORDANCE WITH FEDERAL SPEC NO.: TTP-645, OR BE GALVANIZED.
16. MAXIMUM DESIGN PRESSURE VERSUS PANEL SPAN SHOWN ON SHEETS 3, 5 & 7 OF 11.
17. ALL ALUMINUM ALLOYS SHALL BE 6063-T6 OR 6005-T6 U.N.O.
18. ANCHORING OR LOADING CONDITIONS OTHER THAN THOSE SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
19. MANUFACTURER LABEL SHALL BE PLACED ON A READILY AND VISIBLE LOCATION ON THE ROLL-UP. ONE LABEL SHALL BE PLACED FOR EVERY OPENING. LABEL SHALL READ AS FOLLOWS:
ALUFAB USA INC.
6360 Topaz Court
Fort Myers, FL 33966
FLORIDA PRODUCT APPROVAL NUMBER: FL-XXXX. OPENING NO.: XX
20. THIS DOCUMENT IN ITS ENTIRETY WILL BE CONSIDERED INVALID IF IT IS ALTERED BY ANY MEANS OR DOES NOT BEAR THE DATE AND ORIGINAL SEAL OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



TYPICAL MULTIPLE UNIT ELEVATION

INTERMEDIATE MULLION REQUIRED FOR INSTALLATION
SCALE 1:20

TYPICAL SINGLE UNIT ELEV.

SINGLE SPAN UNIT INSTALLATION
SCALE 1:20

Spans without Lexan

SLAT SPAN	ALLOWABLE DESIGN PRESSURE
72.0"	+/- 95.0 PSF
92.0"	+/- 92.5 PSF
112.0"	+/- 90.9 PSF
132.0"	+/- 89.1 PSF
152.0"	+/- 87.0 PSF
172.0"	+/- 84.8 PSF
192.0"	+/- 82.6 PSF
216.0"	+/- 80.0 PSF
230.0"	+/- 72.0 PSF
244.0"	+/- 65.2 PSF
258.0"	+/- 59.3 PSF
272.0"	+/- 54.2 PSF
286.0"	+/- 49.7 PSF
300.0"	+/- 45.8 PSF
314.0"	+/- 42.3 PSF
324.0"	+/- 40.0 PSF

Spans With Lexan

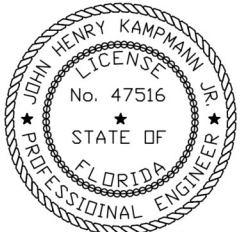
SLAT SPAN	ALLOWABLE DESIGN PRESSURE
288.0"	+/- 40.0 PSF

LIST OF REPORTS

EVALUATION BASED ON:
BLACKWATER TESTING INC.

LAB NO.: BT-ALU-16-001
DATED 08-25-2016
TAS 201, TAS 203 - LARGE MISSILE IMPACT RESISTANCE &
CYCLIC LOADING PERFORMANCE
TAS 202 - UNIFORM STATIC LOADS

LAB NO.: BT-ALU-16-001
DATED 08-25-2016
ASTM E330-02 - UNIFORM STATIC LOADS
ASTM E1886-05 & ASTM E1996-06 - LARGE MISSILE TYPE
"D" IMPACT RESISTANCE & CYCLIC LOADING PERFORMANCE



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JOHN HENRY KAMPMANN JR. ON THE DATE ADJACENT TO THE SEAL.
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John Henry
Kampmann Jr.
2023.10.19
14:06:
48-04'00'

John H. Kampmann Jr., PE
FL License #: 47516
DATE:

2023 FBC (NON-HIGH VELOCITY HURRICANE ZONE)

CA #6752
WWW.MEAENGINEERS.COM

MEA
ENGINEERS, INC.
2352 Appaloosa Circle
Sarasota, Florida 34240
(941) 922-3854

DESCRIPTION

XX/XX/XX - RESERVED.

REV. 1

ALUFAB USA, INC.
6360 Topaz Court
Fort Myers, FL 33966
Phone: (239) 226-4872 info@alufabusa.com

Project Name:

ALUFAB USA
55 MM. ROLL-UP

Description:

Drawn: JK

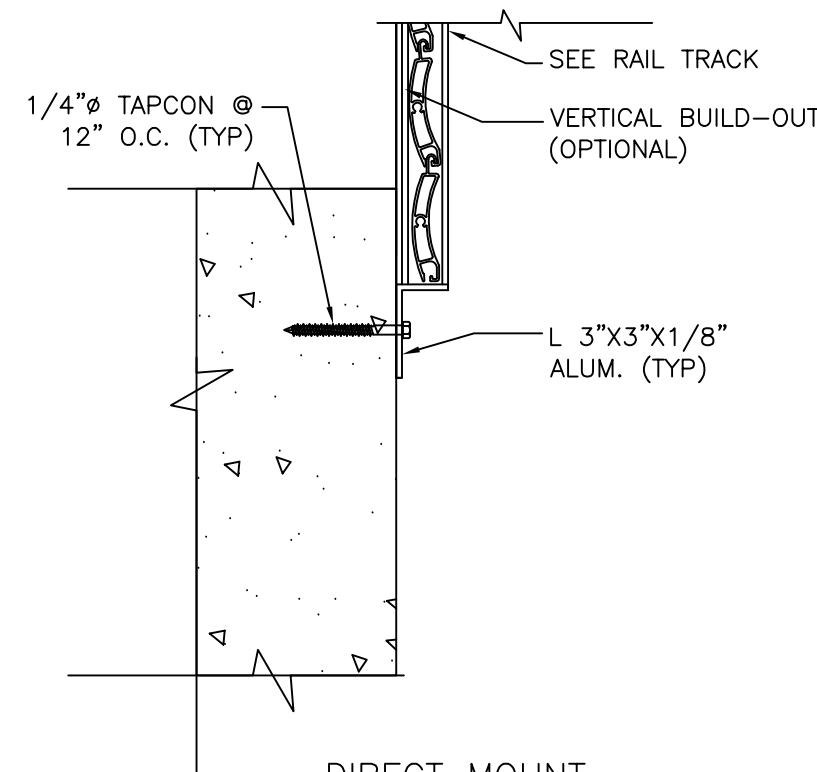
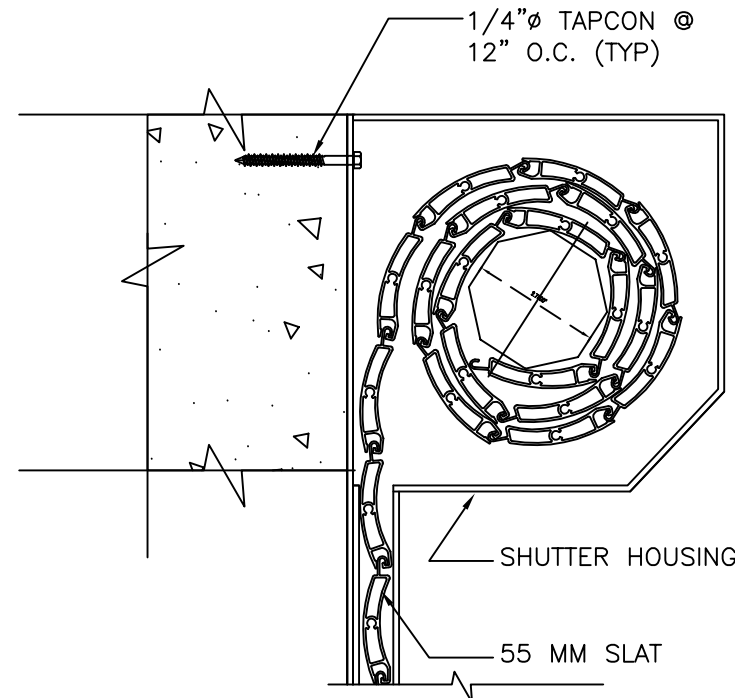
Project #: 23-1017

Scale: NOTED

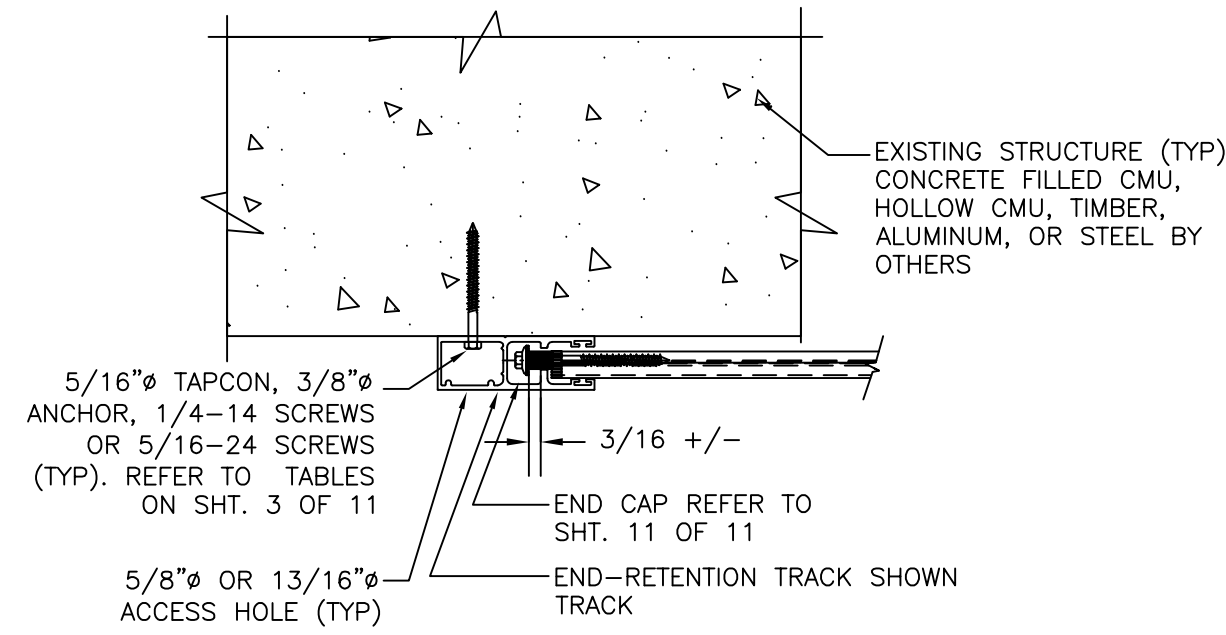
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Sheet No.:

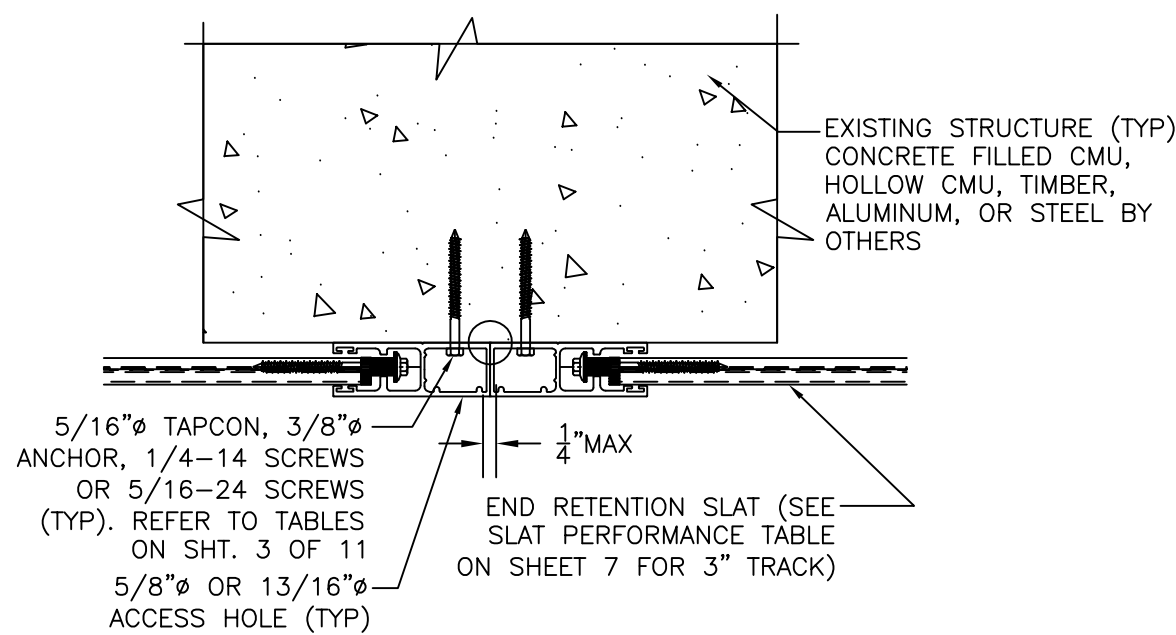
1 of 11



3
2 DIRECT MOUNT
3-1/4" END RETENTION TRACK
WALL MOUNT INSTALLATION
SCALE 3"=1'-0"



1
2 END RETENTION
DIRECT MOUNT INSTALLATION
SCALE 3"=1'-0"



2
2 END RETENTION TRACK
WALL MOUNT INSTALLATION
SCALE 3"=1'-0"

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John H. Kampmann Jr., PE
FL License #: 47516
DATE:

2023 FBC (NON-HIGH VELOCITY HURRICANE ZONE)

CA #6752
WWW.MEAENGINEERS.COM



REV.	DESCRIPTION
1	XX/XX/XX - RESERVED.

ALUFAB USA, INC.
6360 Topaz Court
Fort Myers, FL 33966
Phone: (239) 226-4872 info@alufabusa.com

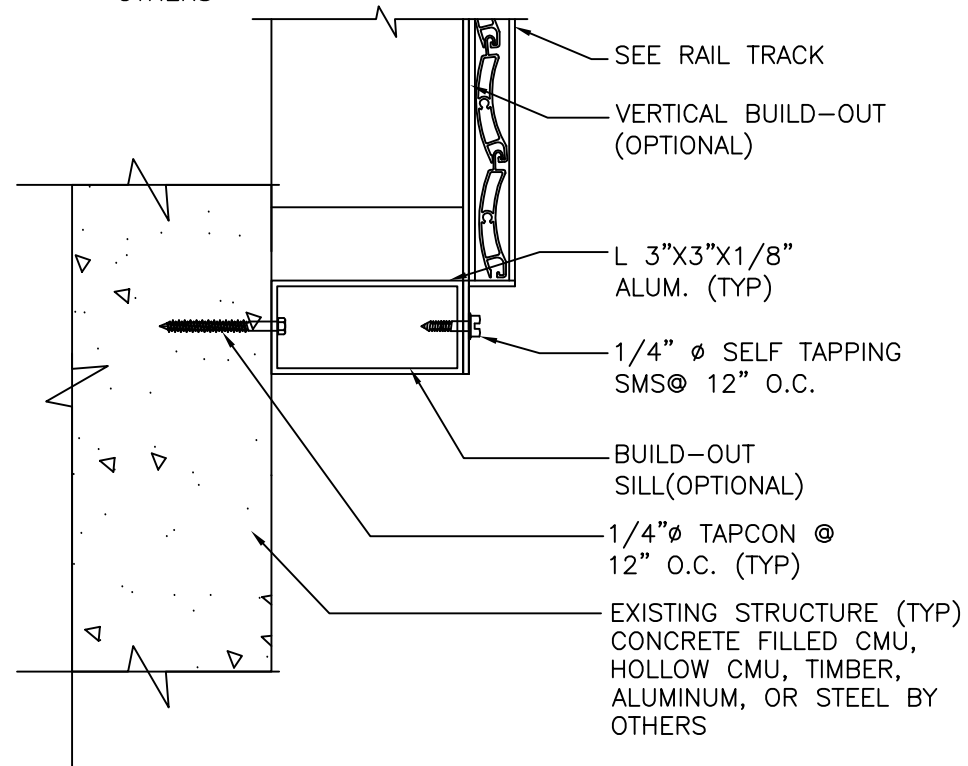
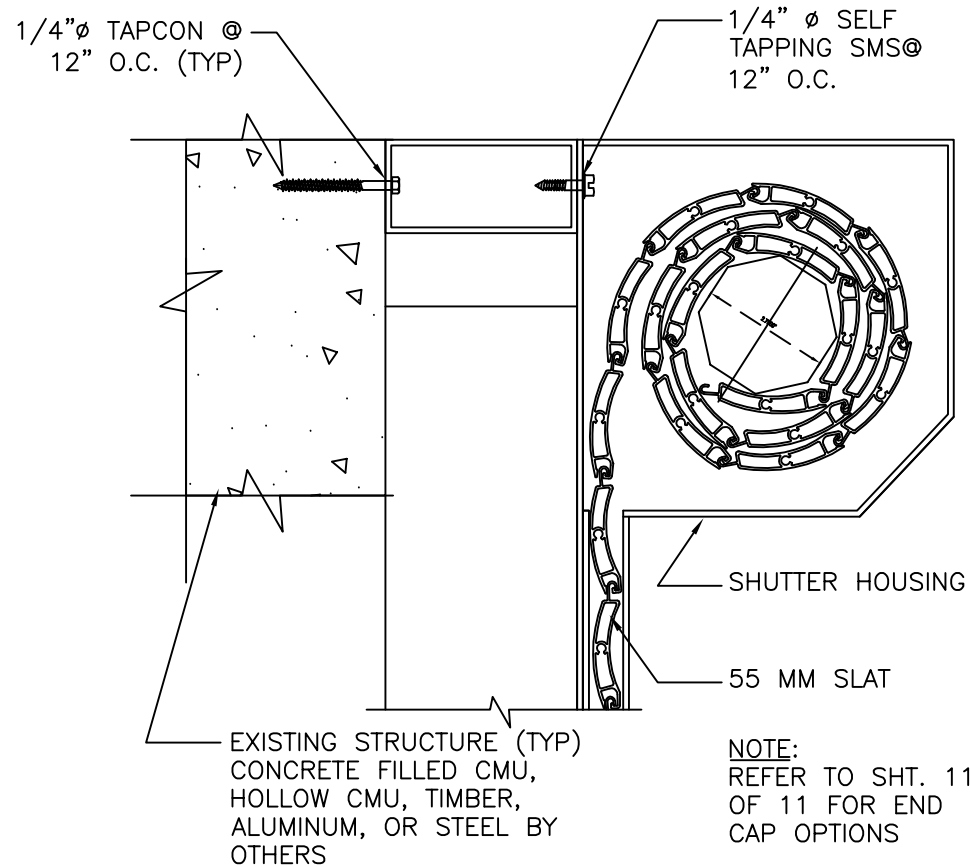
ALUFAB USA
55 MM. ROLL-UP

Drawn:	JK
Project #:	23-1017
Scale:	NOTED
Date:	10/17/23
Sheet No.:	



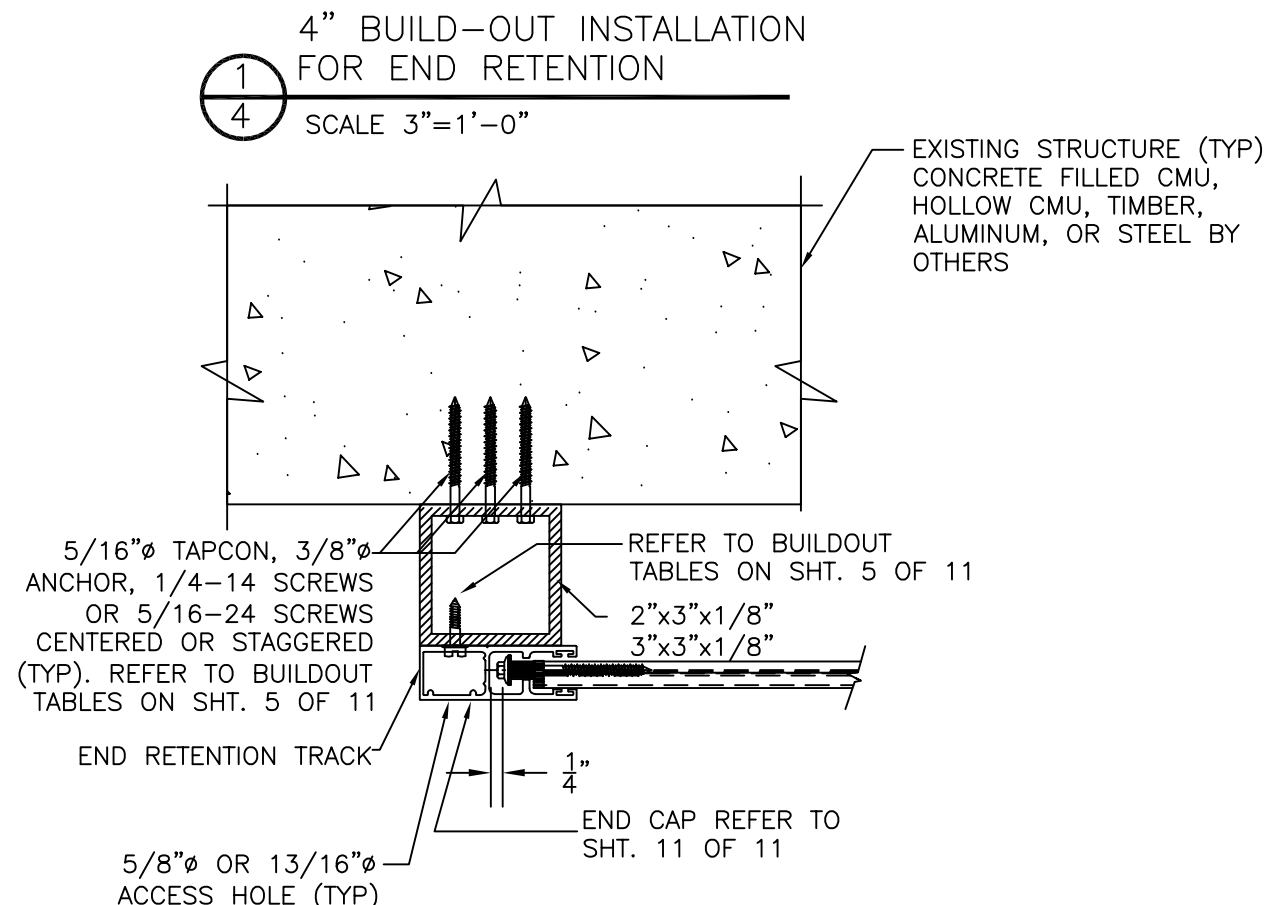
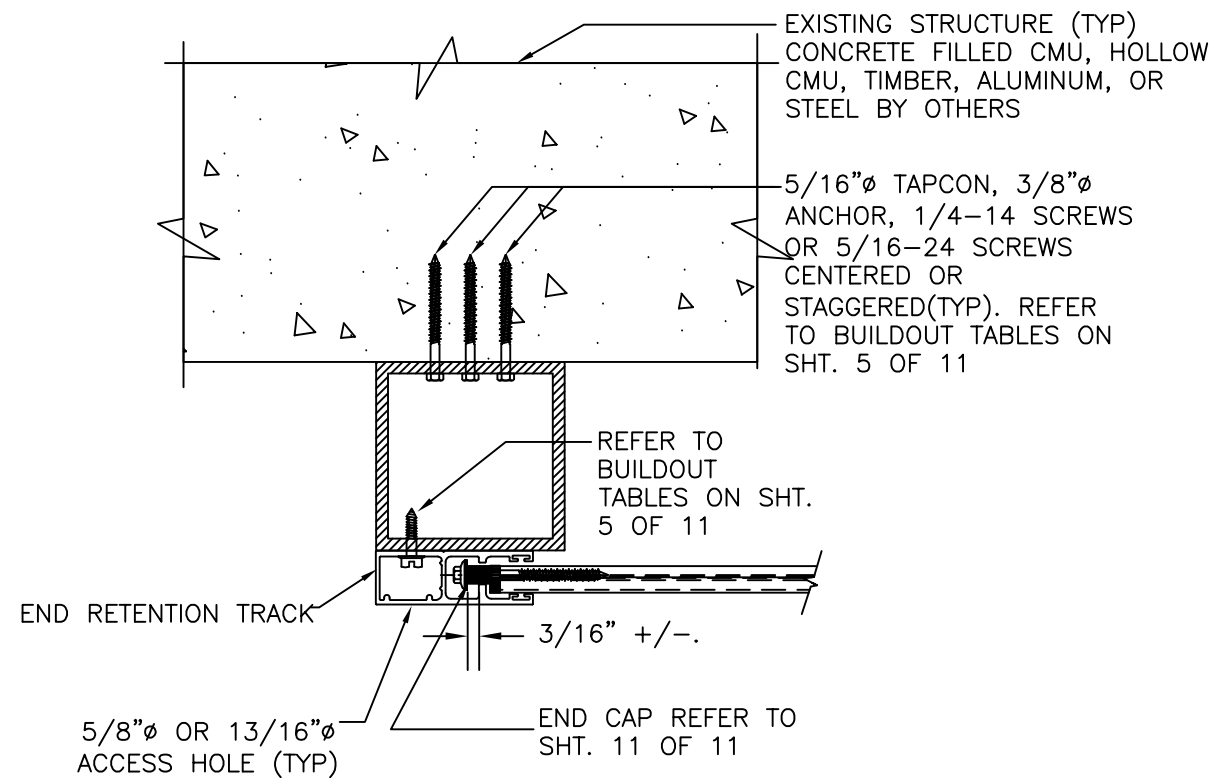
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DATE:



3
4

BUILT-OUT INSTALLATION
END RETENTION TRACK
WALL MOUNT INSTALLATION
SCALE 3"=1'-0"



2
4

2"-3" BUILD-OUT INSTALLATION
END RETENTION
SCALE 3"=1'-0"

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John H. Kampmann Jr., PE
FL License #: 47516
DATE:

2023 FBC (NON-HIGH VELOCITY HURRICANE ZONE)

CA #6752
WWW.MEAENGINEERS.COM

MEA
ENGINEERS, INC.
2352 Appaloosa Circle
Sarasota, Florida 34240
(941) 922-3854

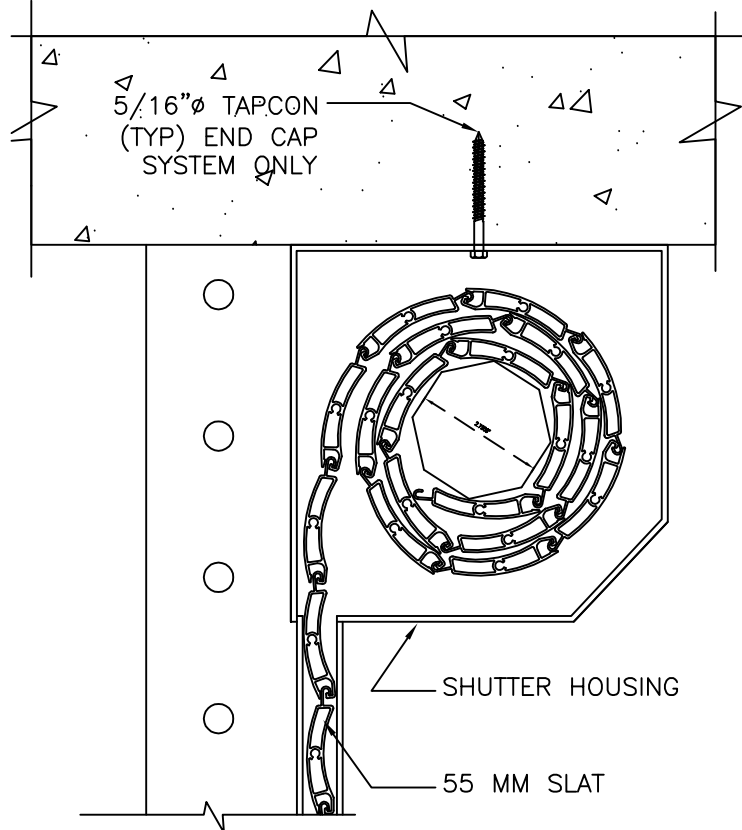
REV. 1
DESCRIPTION
XX/XX/XX - RESERVED.

Project Name:
ALUFAB USA, INC.
6360 Topaz Court
Fort Myers, FL 33966
Phone: (239) 226-4872 info@alufabusa.com

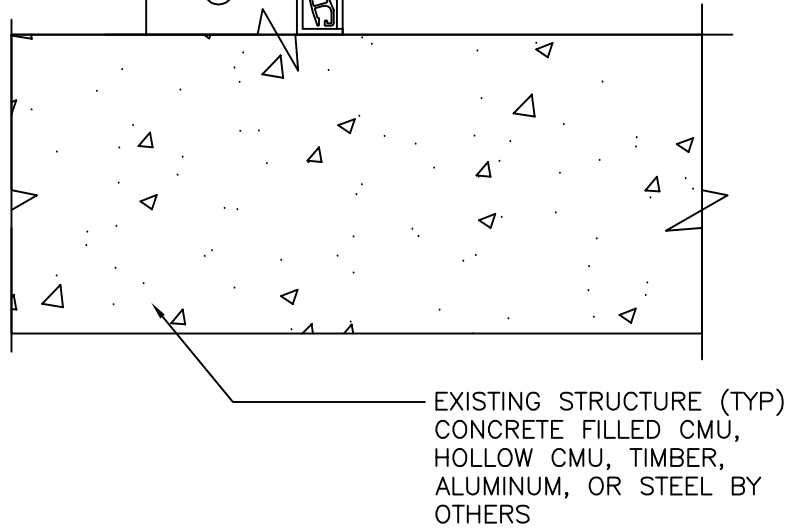
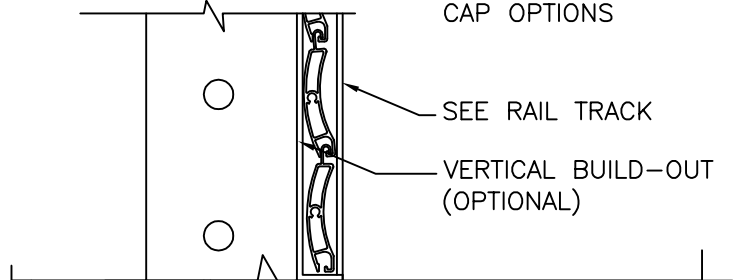
ALUFAB USA
55 MM. ROLL-UP

Description:
Drawn: JK
Project #: 23-1017
Scale: NOTED
Date: 10/17/23
Sheet No.:

4 of 11

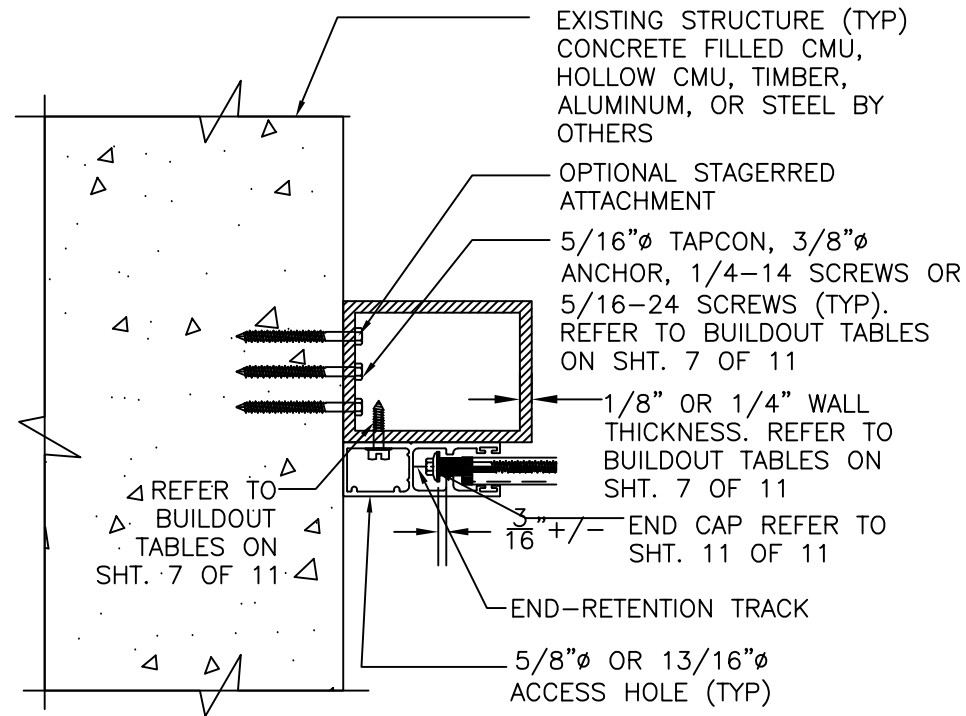


NOTE:
REFER TO SHT. 11
OF 11 FOR END
CAP OPTIONS



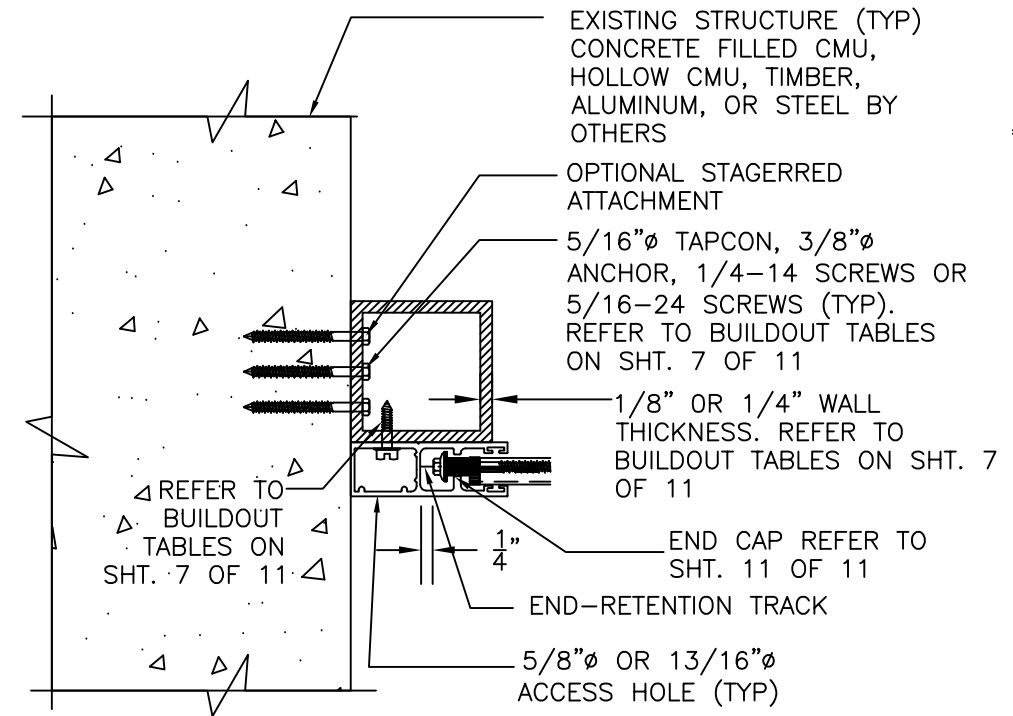
3/8" ANGLE TRAPPED INSTALLATION
END RETENTION

SCALE 3"=1'-0"



2",3"OR 4" BUILD-OUT TRAPPED
INSTALLATION END RETENTION

SCALE 3"=1'-0"



3"OR 2" BUILD-OUT TRAPPED
INSTALLATION END RETENTION

SCALE 3"=1'-0"

NOTE: SEE BUILD-OUT TABLE
CORRESPONDING TO THE
BUILD-OUT WIDTH AGAINST
EXISTING STRUCTURE

2023 FBC (NON-HIGH VELOCITY HURRICANE ZONE)

CA #6752
WWW.MEAENGINEERS.COM

MEA
ENGINEERS, INC.
2352 Appaloosa Circle
Sarasota, Florida 34240
(941) 922-3854

DESCRIPTION
XX/XX/XX - RESERVED.

ALUFAB USA, INC.
6360 Topaz Court
Fort Myers, FL 33966
Phone: (239) 226-4872 info@alufabusa.com

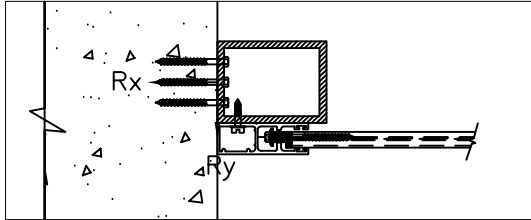
ALUFAB USA
55 MM. ROLL-UP

Drawn: JK
Project #: 23-1017
Scale: NOTED
Date: 10/17/23
Sheet No.:

6 of 11

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John H. Kampmann Jr., PE
FL License #: 47516
DATE:



END RETENTION (INTERIOR MOUNT)

SLAT SPAN	DESIGN PRESSURE	R _x	R _y	EDGE DISTANCE	EDGE DISTANCE	EDGE DISTANCE	EDGE DISTANCE	4" MIN. EDGE DISTANCE	4" MIN. EDGE DISTANCE	5" MIN. EDGE DISTANCE	5" MIN. EDGE DISTANCE	DISTANCE	DISTANCE	DISTANCE	DISTANCE	DISTANCE	DISTANCE	0.5" MIN. EDGE DISTANCE	0.625" MIN. EDGE DISTANCE	EDGE DISTANCE	EDGE DISTANCE	EDGE DISTANCE
72"	+/- 35 PSF	60.8 LB/FT	91.1 LB/FT	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"
	+/- 40 PSF	81.8 LB/FT	120.3 LB/FT	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"
	+/- 45 PSF	186.3 LB/FT	150.4 LB/FT	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"
	+/- 50 PSF	291.3 LB/FT	181.6 LB/FT	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"	6.0"
	+/- 60 PSF	502.9 LB/FT	246.9 LB/FT	6.0"	6.0"	6.0"	6.0"	6.0"	5.1"	6.0"	6.0"	6.0"	5.5"	5.0"	5.2"	5.2"	4.7"	6.0"	6.0"	6.0"	6.0"	6.0"
	+/- 70 PSF	716.5 LB/FT	316.0 LB/FT	5.4"	6.0"	6.0"	6.0"	6.0"	3.6"	6.0"	6.0"	4.6"	4.1"	3.8"	3.9"	3.7"	3.3"	6.0"	6.0"	6.0"	6.0"	6.0"
	+/- 80 PSF	932.1 LB/FT	388.9 LB/FT	4.2"	4.7"	6.0"	6.0"	6.0"	2.8"	4.8"	5.0"	3.6"	3.3"	3.0"	3.1"	2.9"	2.6"	6.0"	6.0"	6.0"	6.0"	6.0"
	+/- 95 PSF	1258.9 LB/FT	505.4 LB/FT	3.2"	3.6"	5.7"	5.5"	6.0"	2.1"	3.6"	3.7"	2.7"	2.5"	2.3"	2.3"	2.1"		6.0"	6.0"	6.0"	6.0"	6.0"
112"	+/- 35 PSF	1067.5 LB/FT	297.8 LB/FT	4.1"	4.6"	6.0"	6.0"	6.0"	2.6"	4.5"	4.8"	3.5"	3.5"	3.3"	3.3"	2.6"	2.3"	6.0"	6.0"	6.0"	6.0"	6.0"
	+/- 40 PSF	1265.5 LB/FT	349.5 LB/FT	3.5"	3.9"	6.0"	6.0"	6.0"	2.2"	3.8"	4.1"	2.9"	3.0"	2.8"	2.8"	2.2"		6.0"	6.0"	6.0"	6.0"	6.0"
	+/- 45 PSF	1464.1 LB/FT	402.1 LB/FT	3.0"	3.4"	5.4"	5.2"	5.8"		3.3"	3.5"	2.5"	2.6"	2.4"	2.4"			6.0"	6.0"	6.0"	6.0"	6.0"
	+/- 50 PSF	1663.2 LB/FT	455.7 LB/FT	2.7"	3.0"	4.8"	4.5"	5.1"		2.9"	3.1"	2.2"	2.3"	2.2"	2.1"			6.0"	6.0"	6.0"	6.0"	6.0"
	+/- 60 PSF	2062.9 LB/FT	565.6 LB/FT	2.1"	2.4"	3.8"	3.7"	4.1"		2.4"	2.5"							6.0"	6.0"	6.0"	6.0"	6.0"
	+/- 70 PSF	2464.5 LB/FT	679.3 LB/FT		2.0"	3.2"	3.1"	3.4"										6.0"	6.0"	6.0"	6.0"	6.0"
	+/- 80 PSF	2868.0 LB/FT	796.7 LB/FT			2.8"	2.6"	3.0"										6.0"	5.4"	6.0"	6.0"	6.0"
	+/- 90 PSF	3273.5 LB/FT	917.9 LB/FT			2.4"	2.3"	2.6"										5.8"	4.7"	6.0"	6.0"	6.0"
152"	+/- 35 PSF	1967.0 LB/FT	452.6 LB/FT	2.3"	2.6"	4.2"	4.0"	4.5"		2.5"	2.7"		2.1"					6.0"	6.0"	6.0"	6.0"	6.0"
	+/- 40 PSF	2274.8 LB/FT	526.0 LB/FT	2.0"	2.3"	3.6"	3.4"	3.9"		2.2"	2.3"							6.0"	6.0"	6.0"	6.0"	6.0"
	+/- 45 PSF	2583.5 LB/FT	600.9 LB/FT		2.0"	3.2"	3.0"	3.4"			2.1"							6.0"	6.0"	6.0"	6.0"	6.0"
	+/- 50 PSF	2893.0 LB/FT	677.4 LB/FT			2.8"	2.7"	3.1"										6.0"	5.5"	6.0"	6.0"	6.0"
	+/- 60 PSF	3514.5 LB/FT	834.8 LB/FT			2.3"	2.2"	2.5"										5.6"	4.5"	6.0"	6.0"	6.0"
	+/- 70 PSF	4139.2 LB/FT	998.4 LB/FT					2.1"										4.7"	3.9"	5.4"	5.4"	5.4"
	+/- 80 PSF	4767.1 LB/FT	1168.0 LB/FT															4.1"	3.3"	4.7"	4.7"	4.7"
	+/- 90 PSF	5398.1 LB/FT	1343.6 LB/FT															3.6"	2.9"	4.1"	4.1"	4.1"
192"	+/- 35 PSF	2885.7 LB/FT	599.8 LB/FT			2.9"	2.7"	3.1"										6.0"	5.7"	6.0"	6.0"	6.0"
	+/- 40 PSF	3318.0 LB/FT	696.6 LB/FT			2.5"	2.4"	2.7"										6.0"	4.9"	6.0"	6.0"	6.0"
	+/- 45 PSF	3751.6 LB/FT	795.8 LB/FT			2.2"	2.1"	2.4"										5.4"	4.3"	6.0"	6.0"	6.0"
	+/- 50 PSF	4186.5 LB/FT	897.4 LB/FT					2.1"										4.8"	3.9"	5.5"	5.5"	5.5"
	+/- 60 PSF	5060.3 LB/FT	1107.8 LB/FT															4.0"	3.2"	4.5"	4.5"	4.5"
	+/- 70 PSF	5939.2 LB/FT	1327.8 LB/FT															3.4"	2.7"	3.8"	3.8"	3.8"
	+/- 80 PSF	6823.1 LB/FT	1557.2 LB/FT															2.9"	2.4"	3.3"	3.3"	3.3"
	+/- 85 PSF	7267.0 LB/FT	1675.5 LB/FT															2.7"	2.2"	3.1"	3.1"	3.1"
230"	+/- 30 PSF	3252.2 LB/FT	624.2 LB/FT			2.6"	2.5"	2.8"										6.0"	5.1"	6.0"	6.0"	6.0"
	+/- 35 PSF	3813.1 LB/FT	741.7 LB/FT			2.2"	2.1"	2.4"										5.4"	4.3"	6.0"	6.0"	6.0"
	+/- 40 PSF	4375.9 LB/FT	862.7 LB/FT					2.1"										4.7"	3.8"	5.3"	5.3"	5.3"
	+/- 45 PSF	4940.7 LB/FT	987.3 LB/FT															4.2"	3.3"	4.7"	4.7"	4.7"
	+/- 50 PSF	5507.4 LB/FT	1115.3 LB/FT															3.7"	3.0"	4.2"	4.2"	4.2"
	+/- 60 PSF	6646.4 LB/FT	1381.9 LB/FT															3.1"	2.5"	3.5"	3.5"	3.5"
	+/- 70 PSF	7793.0 LB/FT	1662.4 LB/FT															2.6"	2.1"	2.9"	2.9"	2.9"
	+/- 75 PSF	8369.0 LB/FT	1807.9 LB/FT															2.4"		2.7"	2.7"	2.7"
272"	+/- 20 PSF	2766.2 LB/FT	484.5 LB/FT			3.1"	2.9"	3.4"			2.0"							6.0"	6.0"	6.0"	6.0"	6.0"
	+/- 25 PSF	3477.7 LB/FT	619.5 LB/FT			2.5"	2.3"	2.7"										6.0"	4.8"	6.0"	6.0"	6.0"
	+/- 30 PSF	4192.0 LB/FT	759.7 LB/FT			2.0"		2.2"										5.0"	4.0"	5.6"	5.6"	5.6"
	+/- 35 PSF	4909.2 LB/FT	904.9 LB/FT															4.3"	3.4"	4.8"	4.8"	4.8"
	+/- 40 PSF	5629.2 LB/FT	1055.3 LB/FT															3.7"	3.0"	4.2"	4.2"	4.2"
	+/- 45 PSF	6351.9 LB/FT	1210.7 LB/FT															3.3"	2.6"	3.7"	3.7"	3.7"
	+/- 50 PSF	7077.4 LB/FT	1371.2 LB/FT															2.9"	2.3"	3.3"	3.3"	3.3"
	+/- 55 PSF	7805.6 LB/FT	1536.7 LB/FT															2.6"	2.1"	3.0"	3.0"	3.0"
300"	+/- 20 PSF	3207.5 LB/FT	542.0 LB/FT			2.7"	2.5"	2.9"										6.0"	5.3"	6.0"	6.0"	6.0"
	+/- 25 PSF	4028.9 LB/FT	694.4 LB/FT			2.1"	2.0"	2.3"										5.3"	4.2"	5.9"	5.9"	5.9"
	+/- 30 PSF	4853.8 LB/FT	853.1 LB/FT															4.4"	3.5"	4.9"	4.9"	4.9"
	+/- 35 PSF	5682.2 LB/FT	1018.2 LB/FT															3.7"	2.9"	4.2"	4.2"	4.2"
	+/- 40 PSF	6514.0 LB/FT	1189.6 LB/FT															3.2"	2.6"	3.6"	3.6"	3.6"
	+/- 45 PSF	7349.3 LB/FT	1367.3 LB/FT															2.8"	2.3"	3.2"	3.2"	3.2"
324.0"	+/- 20 PSF	3599.8 LB/FT	592.2 LB/FT			2.4"	2.3"	2.6"										5.9"	4.7"	6.0"	6.0"	6.0"
	+/- 25 PSF	4519.4 LB/FT	760.0 LB/FT					2.1"										4.7"	3.7"	5.3"	5.3"	5.3"
	+/- 30 PSF	5443.2 LB/FT	935.4 LB/FT															3.9"	3.1"	4.4"	4.4"	4.4"
	+/- 35 PSF	6371.3 LB/FT	1118.4 LB/FT															3.3"	2.6"	3.7"	3.7"	3.7"
	+/- 40 PSF	7303.4 LB/FT	1308.9 LB/FT															2.9"	2.3"	3.2"	3.2"	3.2"

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John H. Kampmann Jr., PE
FL License #: 47516
DATE:

2023 FBC (NON-HIGH VELOCITY HURRICANE ZONE)

CA #6752
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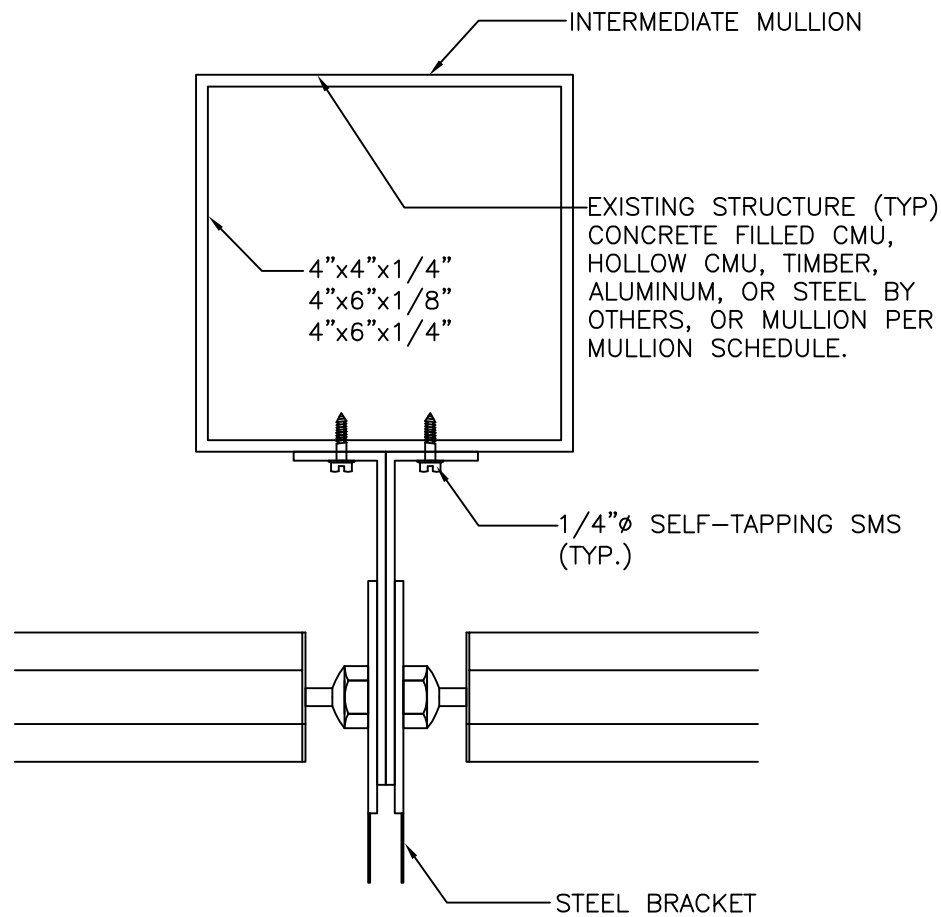


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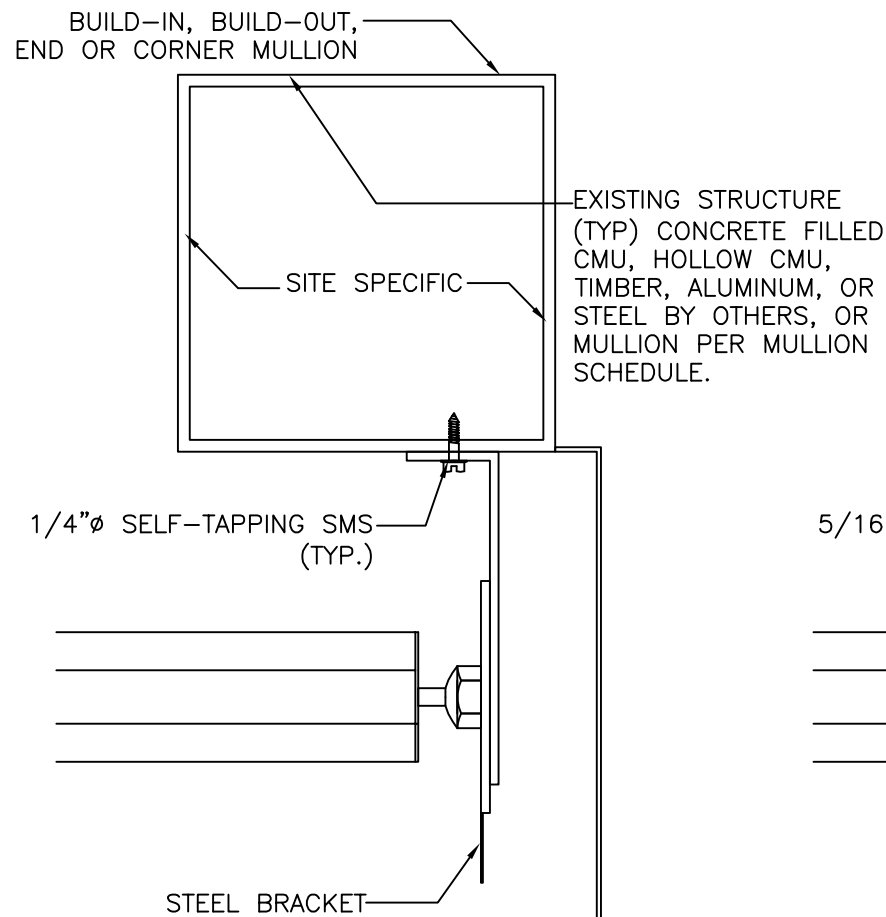
ALUFAB USA, INC.
6360 Topaz Court
Fort Myers, FL 33966
Phone: (239) 226-4872 info@alufabusa.com

Project Name:
Description:
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Project #: 23-1017
Scale: NOTED
Date: 10/17/23
Sheet No.:

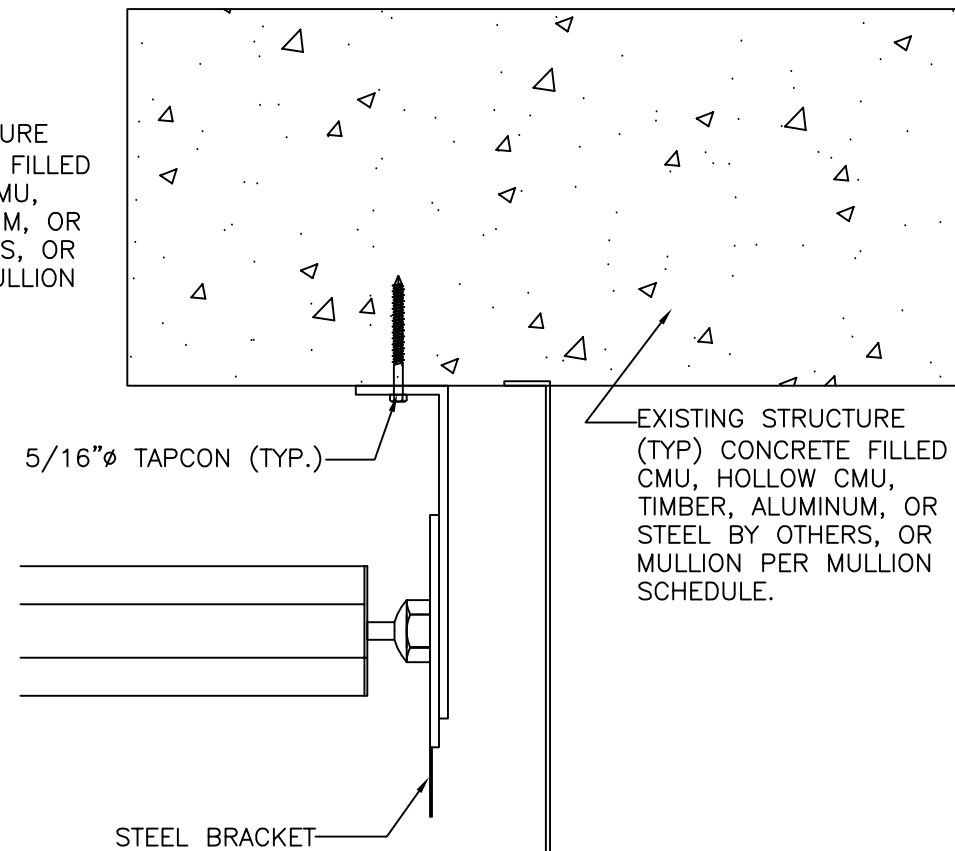
ALUFAB USA
55 MM. ROLL-UP



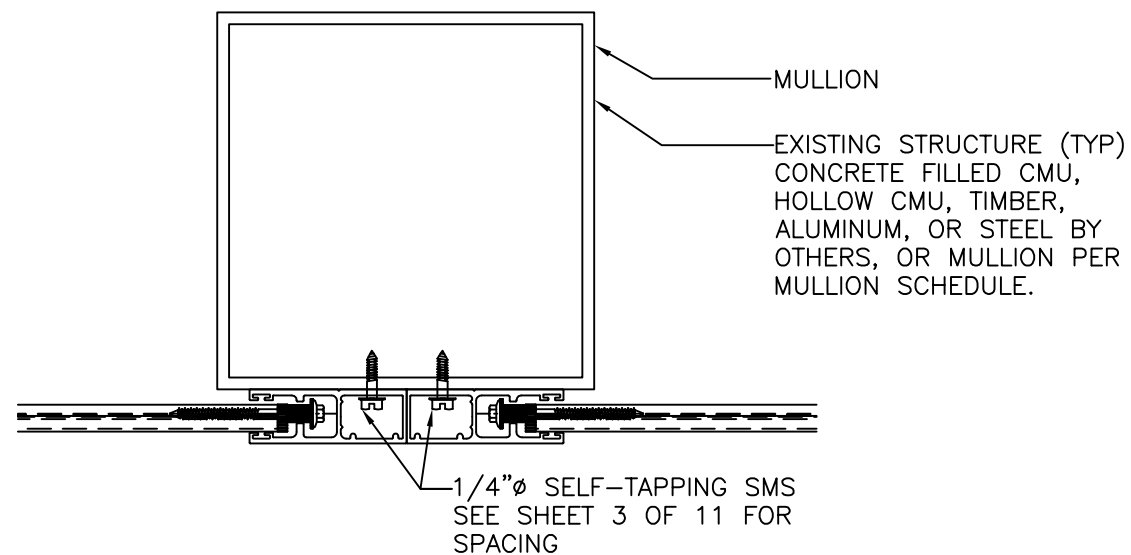
1
8 MOUNTING BRACKET INSTALLATION
END RETENTION INSTALLATION
SCALE 3"=1'-0"



2
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END RETENTION INSTALLATION
SCALE 3"=1'-0"



3
8 MOUNTING BRACKET INSTALLATION
END RETENTION INSTALLATION
SCALE 3"=1'-0"



4
8 MOUNTING BRACKET INSTALLATION
END RETENTION INSTALLATION
SCALE 3"=1'-0"

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CA #6752
WWW.MEAENGINEERS.COM

MEA
ENGINEERS, INC.
2352 Appaloosa Circle
Sarasota, Florida 34240
(941) 922-3854

DESCRIPTION
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ALUFAB USA, INC.
6360 Topaz Court
Fort Myers, FL 33966
Phone: (239) 226-4872 info@alufabusa.com

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8 of 11



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Sarasota, Florida 34240
(941) 922-3854

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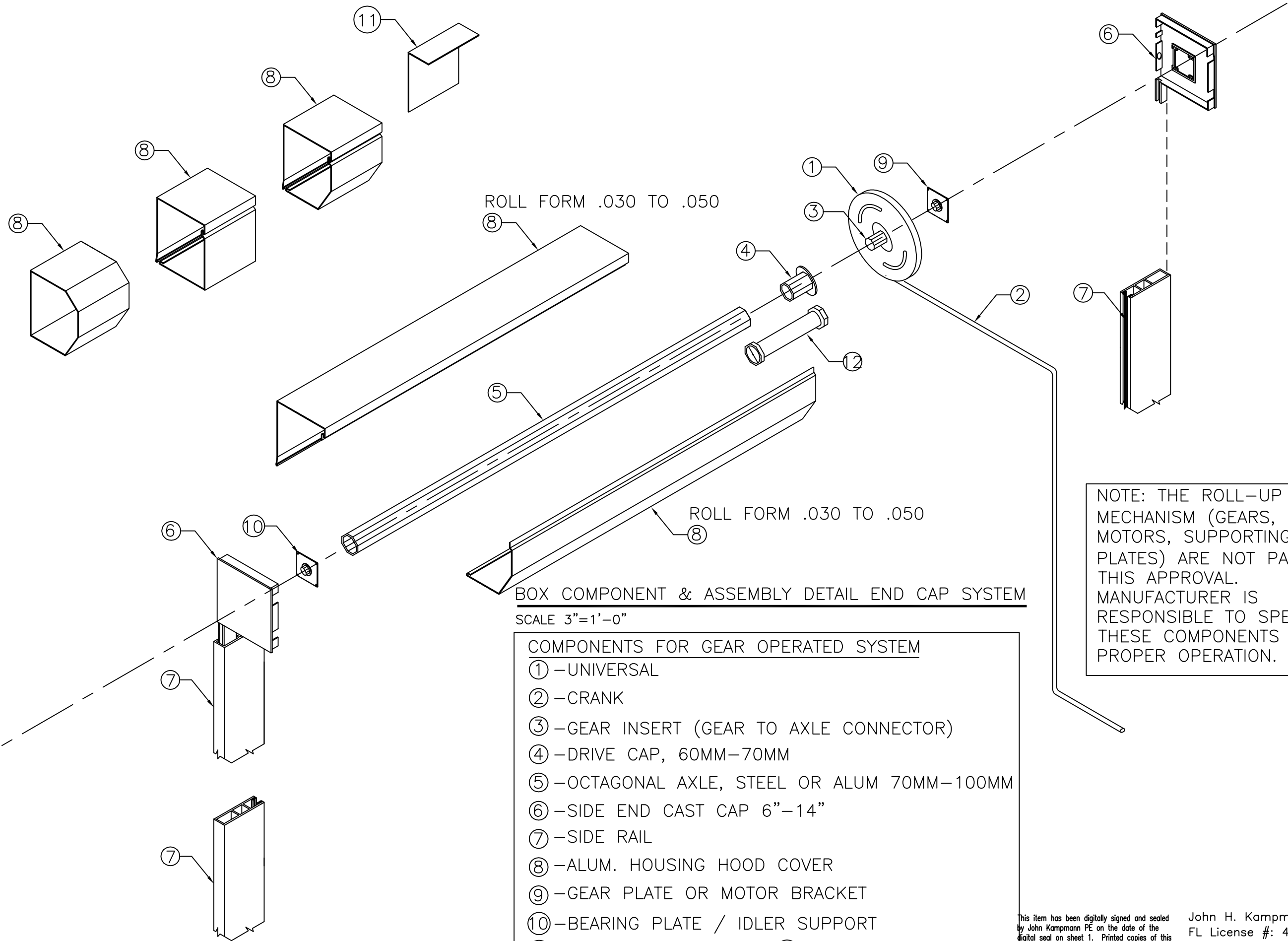
ALUFAB USA, INC.
6360 Topaz Court
Fort Myers, FL 33966
Phone: (239) 226-4872 info@alufabusa.com

ALUFAB USA
55 MM. ROLL-UP

Description:	
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2023 FBC (NON-HIGH VELOCITY HURRICANE ZONE)



BOX COMPONENT & ASSEMBLY DETAIL END CAP SYSTEM
 SCALE 3"=1'-0"

- COMPONENTS FOR GEAR OPERATED SYSTEM**
- ① – UNIVERSAL
 - ② – CRANK
 - ③ – GEAR INSERT (GEAR TO AXLE CONNECTOR)
 - ④ – DRIVE CAP, 60MM–70MM
 - ⑤ – OCTAGONAL AXLE, STEEL OR ALUM 70MM–100MM
 - ⑥ – SIDE END CAST CAP 6"–14"
 - ⑦ – SIDE RAIL
 - ⑧ – ALUM. HOUSING HOOD COVER
 - ⑨ – GEAR PLATE OR MOTOR BRACKET
 - ⑩ – BEARING PLATE / IDLER SUPPORT
 - ⑪ – STEEL BRACKET
 - ⑫ – MOTOR ASSEMBLY

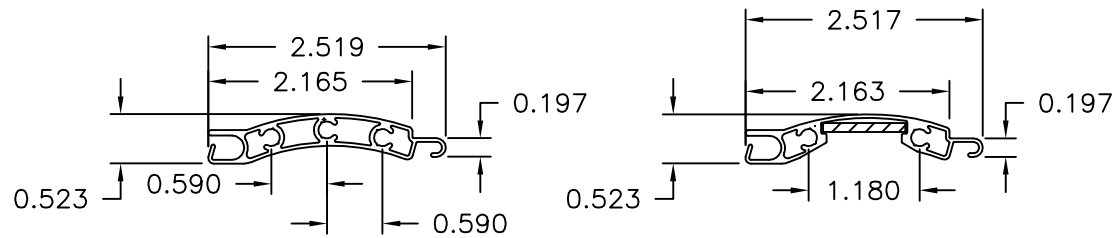
NOTE: THE ROLL-UP MECHANISM (GEARS, MOTORS, SUPPORTING END PLATES) ARE NOT PART OF THIS APPROVAL. MANUFACTURER IS RESPONSIBLE TO SPECIFY THESE COMPONENTS FOR PROPER OPERATION.

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 FL License #: 47516
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2023 FBC (NON-HIGH VELOCITY HURRICANE ZONE)

CA #6752 WWW.MEAENGINEERS.COM		MEA ENGINEERS, INC. 2352 Appaloosa Circle Sarasota, Florida 34240 (941) 922-3854	
REV.	1	DESCRIPTION	XX/XX/XX – RESERVED.
ALUFAB USA, INC. 6360 Topaz Court Fort Myers, FL 33966 Phone: (239) 226-4872 info@alufabusa.com		ALUFAB USA 55 MM. ROLL-UP	
Drawn: JK Project #: 23-1017 Scale: NOTED Date: 10/17/23 Sheet No.:		10 of 11	

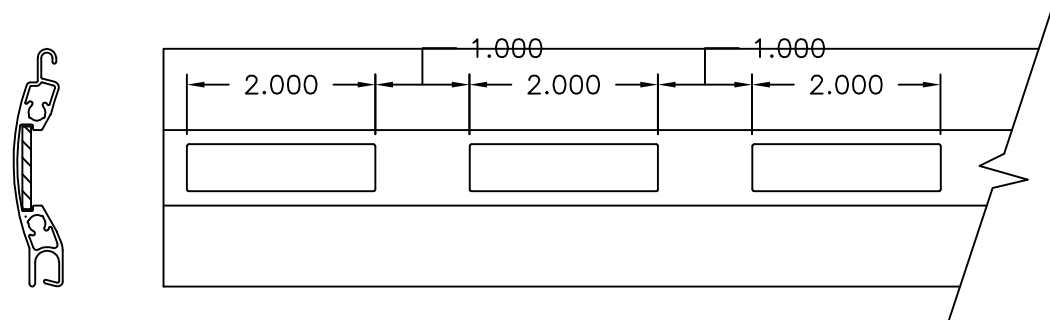


55MM SLAT
SCALE 1:2

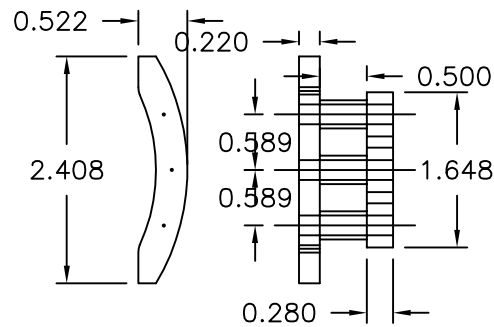
55MM WINDOW SLAT
SCALE 1:2



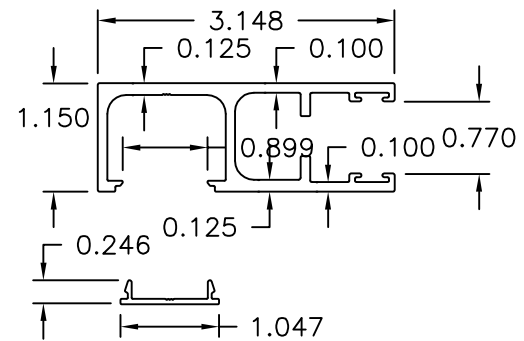
SLAT LAYOUT
SCALE 1:2



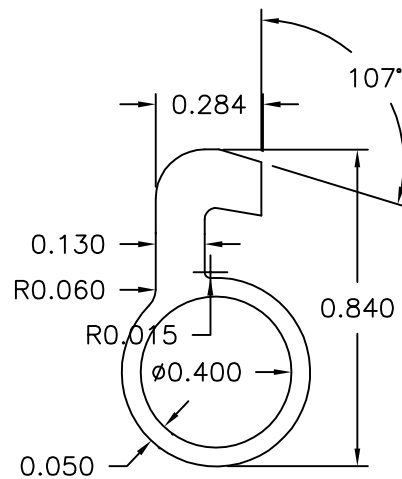
55MM WINDOW SLAT LAYOUT
SCALE 1:2



END RETENTION SLAT LOCK
SCALE 1:2



55MM SIDE RAIL W/ SNAP CAP
SCALE 1:2



RUBBER BUMPER
SCALE 2:1

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2023 FBC (NON-HIGH VELOCITY HURRICANE ZONE)

Project Name:

ALUFAB USA, INC.
6360 Topaz Court
Fort Myers, FL 33966
Phone: (239) 226-4872 info@alufabusa.com

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DESCRIPTION
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