	REVISIONS		
REV	DESCRIPTION	DATE	APPROVED
D	REVISED PER NEW CODE	01/30/2023	R.L.

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2021 SOUTH CAROLINA BUILDING CODE, 2021 SOUTH CAROLINA RESIDENTIAL CODE, 2021 IBC AND 2021 IRC
- 2. THESE INSTALLATION INSTRUCTIONS ARE ONLY FOR THE STORM COVERING. FENESTRATION SYSTEMS MUST HAVE THEIR OWN SEPARATE APPROVAL.
- 3. STORM TRIM PLUS ANCHORING SYSTEM MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 4. STORM COVERING ANCHORS SPACING TO BE DETERMINED IN ACCORDANCE WITH CHART #1, SHEET 2, TO MEET REQUIRED DESIGN PRESSURE AT INSTALLATION SITE.
- 5. FENESTRATION SYSTEM MUST MEET THE REQUIRED DESIGN PRESSURE OF THE INSTALLATION SITE.
- 6. SELECTION OF FENESTRATION AND PROTECTIVE SYSTEMS IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.

SHEET NO.

2 - 4

5 - 10

11

NOTES

ELEVATIONS AND CHARTS

INSTALLATION DETAILS

7. FABRIC MATERIAL: HIGH TENACITY POLYPROPYLENE 0.050" THICK.

SIGNED: 01/30/2023

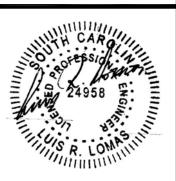
THE MUHLER COMPANY
630 SKYLARK DRIVE SUITE U
CHARLESTON, SC 29407

MUHLER STORM COVERING LARGE AND SMALL MISSILE IMPACT NOTES

DRAWN: DWG NO. REV
A.R. 08-03361 D

SCALE NTS DATE 11/06/18 SHEET 1 OF 11

L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com



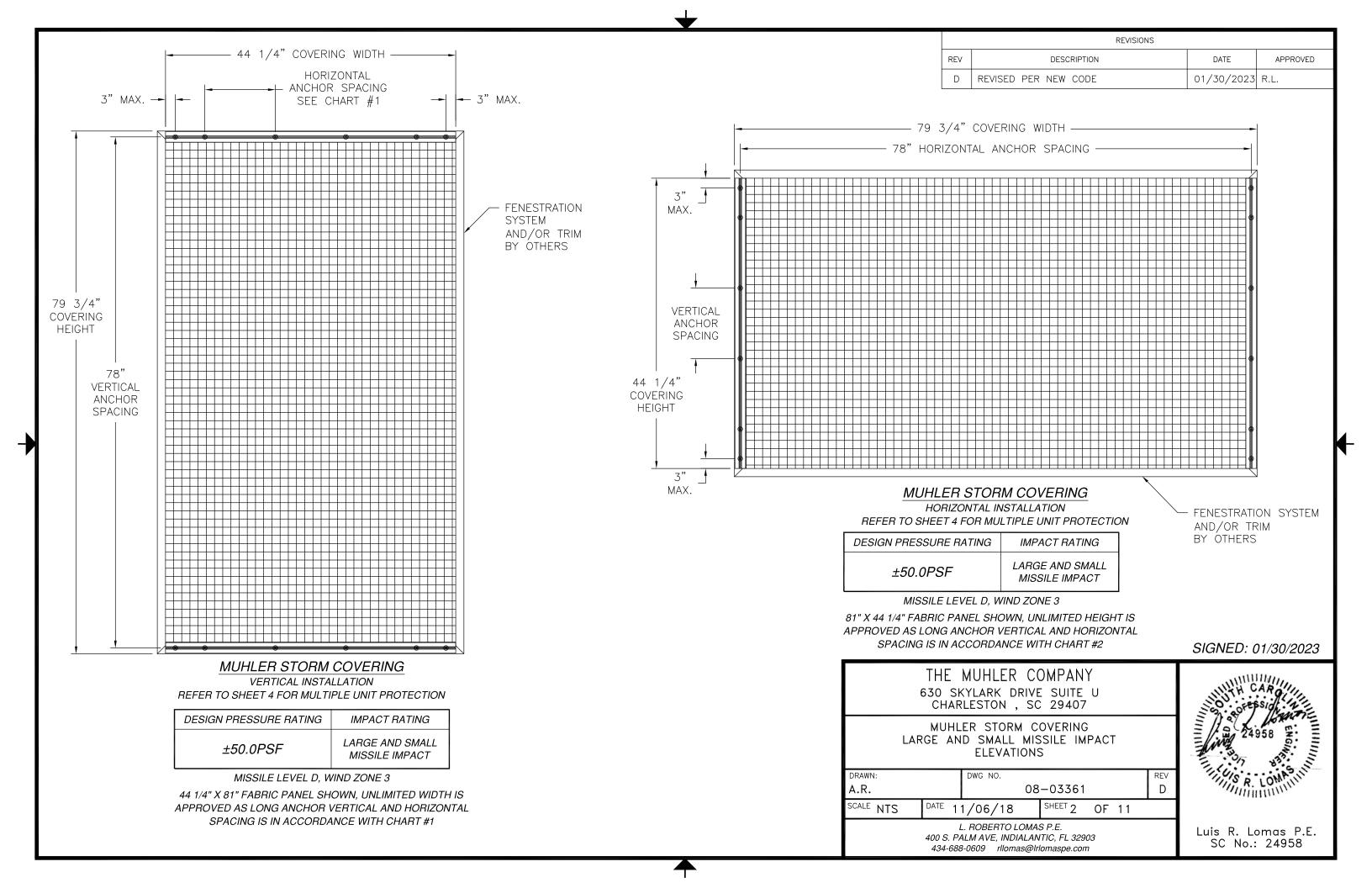
Luis R. Lomas P.E. SC No.: 24958



TABLE OF CONTENTS

COMPONENTS AND INSTALLATION DETAILS

DESCRIPTION



	REVISIONS		
REV	DESCRIPTION	DATE	APPROVED
D	REVISED PER NEW CODE	01/30/2023	R.L.

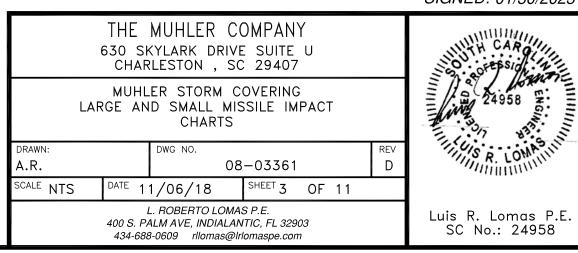
												De	esign p	Chart ressur		(psf)													
Horizontal anchor													Ve	rtical ar	nchor s	pacing (in)												
space (in)	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0	102.0	108.0	114.0	120.0	126.0	132.0	138.0	144.0	150.0	156.0	162.0	168.0	174.0	180.0	186.0	192.0
3.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
4.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
8.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.8	46.4	44.3	42.4	40.6	39.0	37.5	36.1	34.8	33.6	32.5	31.5	30.5
12.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	46.4	43.3	40.6	38.2	36.1	34.2	32.5	31.0	29.5	28.3	27.1	26.0	25.0	24.1	23.2	22.4	21.7	21.0	20.3
16.0	50.0	50.0	50.0	50.0	50.0	50.0	48.8	44.3	40.6	37.5	34.8	32.5	30.5	28.7	27.1	25.7	24.4	23.2	22.2	21.2	20.3	19.5	18.8	18.1	17.4	16.8	16.3	15.7	15.2
20.0	50.0	50.0	50.0	50.0	48.8	43.3	39.0	35.5	32.5	30.0	27.9	26.0	24.4	22.9	21.7	20.5	19.5	18.6	17.7	17.0	16.3	15.6	15.0	-	-	-	-	-	-
24.0	50.0	50.0	50.0	46.4	40.6	36.1	32.5	29.5	27.1	25.0	23.2	21.7	20.3	19.1	18.1	17.1	16.3	15.5	-	-	-	-	-	1	-	-	-	-	-

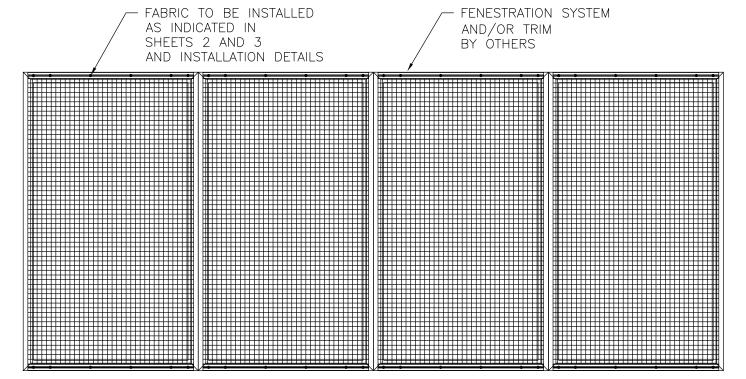
Design pressures are positive and negative

												De	esign p	Chart cressur		t (psf)													
Vertical anchor													Hori	izontal a	anchor s	spacing	(in)												
space (in)	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0	102.0	108.0	114.0	120.0	126.0	132.0	138.0	144.0	150.0	156.0	162.0	168.0	174.0	180.0	186.0	192.0
3.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
4.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
8.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.8	46.4	44.3	42.4	40.6	39.0	37.5	36.1	34.8	33.6	32.5	31.5	30.5
12.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	46.4	43.3	40.6	38.2	36.1	34.2	32.5	31.0	29.5	28.3	27.1	26.0	25.0	24.1	23.2	22.4	21.7	21.0	20.3
16.0	50.0	50.0	50.0	50.0	50.0	50.0	48.8	44.3	40.6	37.5	34.8	32.5	30.5	28.7	27.1	25.7	24.4	23.2	22.2	21.2	20.3	19.5	18.8	18.1	17.4	16.8	16.3	15.7	15.2
20.0	50.0	50.0	50.0	50.0	48.8	43.3	39.0	35.5	32.5	30.0	27.9	26.0	24.4	22.9	21.7	20.5	19.5	18.6	17.7	17.0	16.3	15.6	15.0	-	-	-	-	-	-
24.0	50.0	50.0	50.0	46.4	40.6	36.1	32.5	29.5	27.1	25.0	23.2	21.7	20.3	19.1	18.1	17.1	16.3	15.5	-	-	-	-	-	-	-	-	-	-	-

Design pressures are positive and negative

SIGNED: 01/30/2023





MUHLER STORM COVERING

4 UNITS SHOWN, UNLIMITED NUMBER OF UNITS ARE QUALIFIED
AS LONG AS EACH INDIVIDUAL UNIT IS PROTECTED AS SHOWN
AND FABRIC IS INSTALLED AS SHOWN IN SHEETS 2 AND 3 AND INSTALLATION DETAILS
VERTICAL INSTALLATION SHOWN, HORIZONTAL SIMILAR

FABRIC TO BE INSTALLED
AS INDICATED IN
SHEETS 2 AND 3
AND INSTALLATION DETAILS

FENESTRATION SYSTEM
AND/OR TRIM
BY OTHERS

OTHERS

MUHLER STORM COVERING

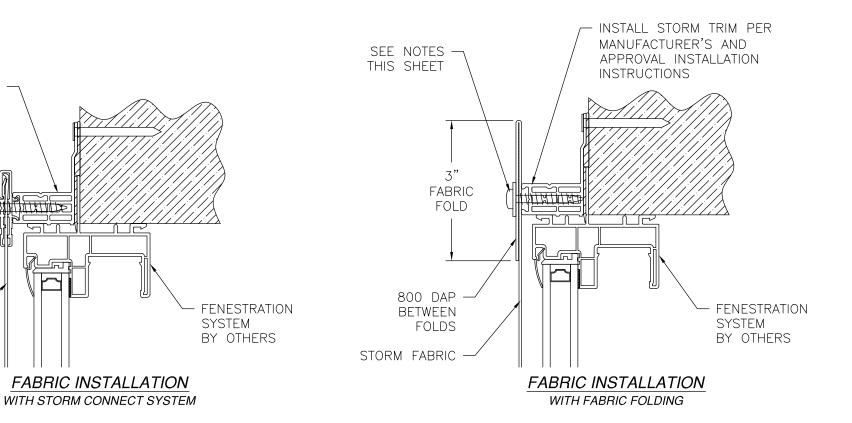
4 UNITS SHOWN, UNLIMITED NUMBER OF UNITS ARE QUALIFIED
AS LONG AS ENTIRE UNIT IS PROTECTED AS SHOWN
AND FABRIC IS INSTALLED AS SHOWN IN SHEETS 2 AND 3 AND INSTALLATION DETAILS
VERTICAL INSTALLATION SHOWN, HORIZONTAL SIMILAR

	REVISIONS		
REV	DESCRIPTION	DATE	APPROVED
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SIGNED: 01/30/2023

	630 Sk	MUHLER CO CYLARK DRIVE PLESTON , SO	SUITE	U	
	GE AN	ER STORM C D SMALL MIS INSTALLATION	SILE IM	PACT	
DRAWN:		DWG NO.			REV
A.R.		08	-03361		D
SCALE NTS	DATE 1	1/06/18	SHEET 4	OF 11	
	400 S. PA	L. ROBERTO LOMA ALM AVE, INDIALAN 3-0609 rllomas@lr	ITIC, FL 329		





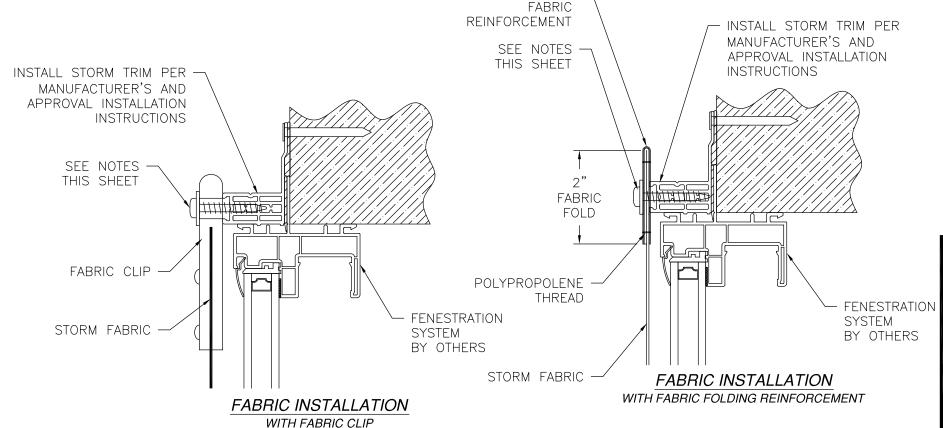
	REVISIONS		
REV	DESCRIPTION	DATE	APPROVED
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ANCHORS QUALIFIED TO BE USED:

- 1. M6-265 X 1 7/16"

 TORX T-25 PH

 SCREW WITH FLAT WASHER
- 2. HILMAN MULTIMATERIAL SCREW
 HEX/TORX HEAD 1/4" X 1 1/4" WITH 1" WASHER
- 3. #10 X 1 1/2" PTH VINYL HOLD SCREW WITH 1" WASHER.



.020" WEBBING

INSTALL STORM TRIM PER —
MANUFACTURER'S AND
APPROVAL INSTALLATION

SEE NOTES -

THIS SHEET

STORM CONNECT

2 PIECE OR 1 PIECE

STORM FABRIC

INSTRUCTIONS

SIGNED: 01/30/2023

THE MUHLER COMPANY
630 SKYLARK DRIVE SUITE U
CHARLESTON , SC 29407

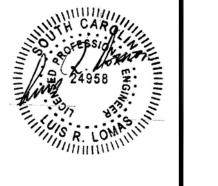
MUHLER STORM COVERING

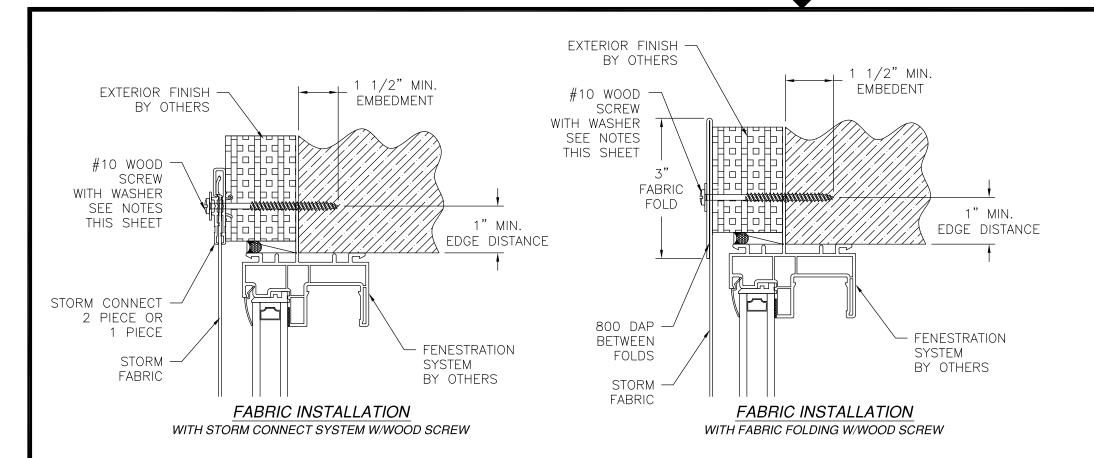
MUHLER STORM COVERING
LARGE AND SMALL MISSILE IMPACT
INSTALLATION DETAILS

DRAWN: DWG NO. REV
A.R. 08-03361 D

SCALE NTS DATE 11/06/18 SHEET 5 OF 11

L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com

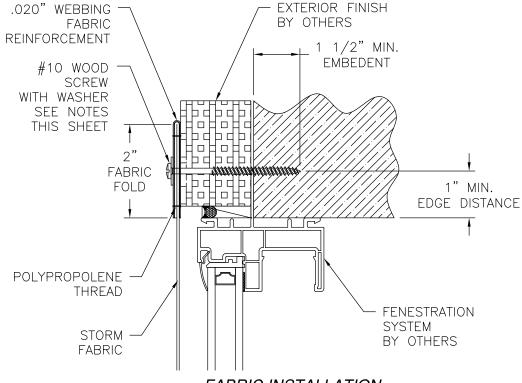




	REVISIONS		
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ANCHORS QUALIFIED TO BE USED:

1. #10 WOOD SCREW WITH WASHER WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE.



FABRIC INSTALLATION
WITH FABRIC FOLDING REINFORCEMENT W/WOOD SCREW

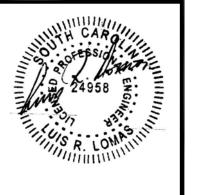
THE MUHLER COMPANY 630 SKYLARK DRIVE SUITE U CHARLESTON, SC 29407

MUHLER STORM COVERING LARGE AND SMALL MISSILE IMPACT INSTALLATION DETAILS

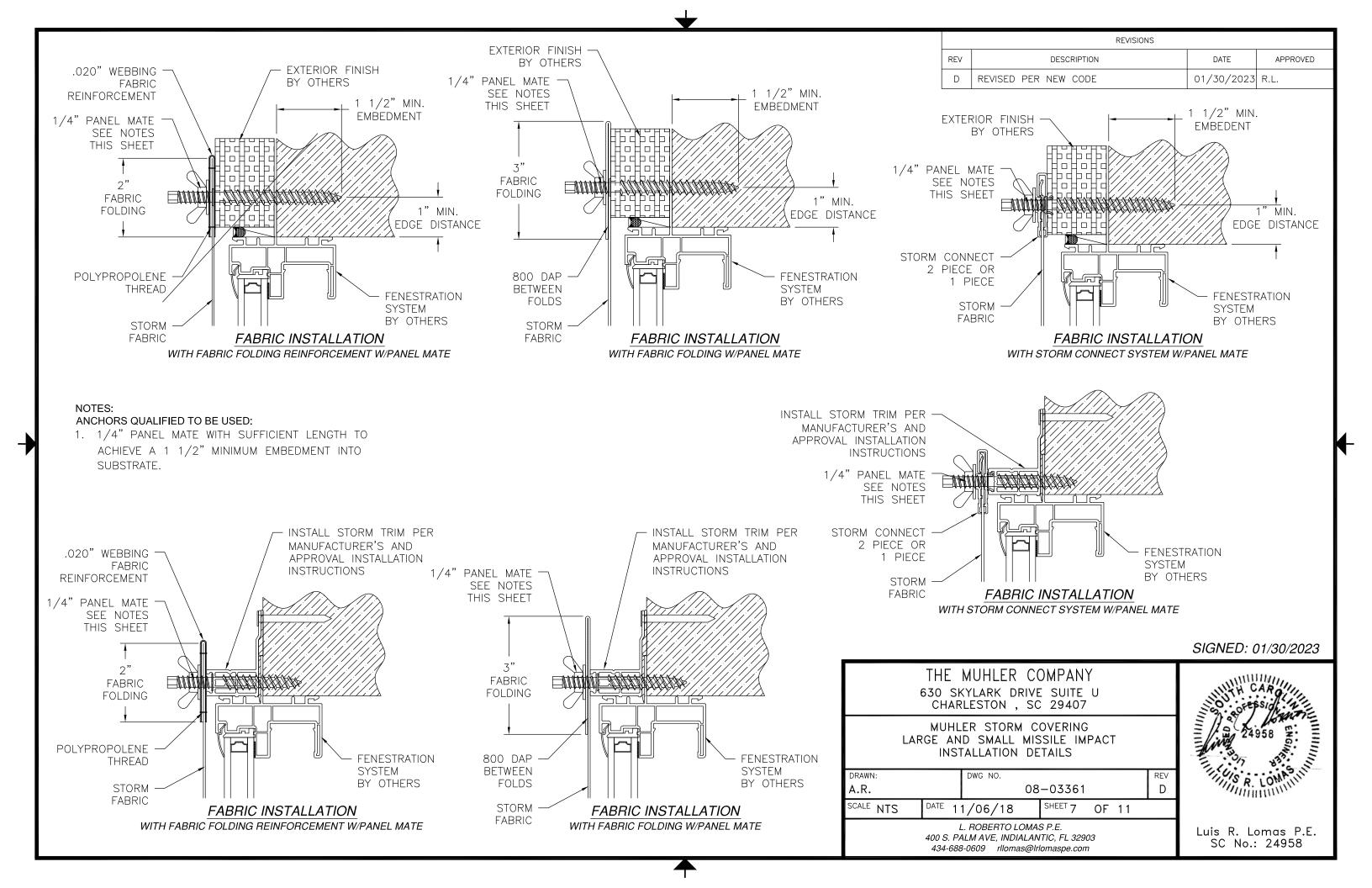
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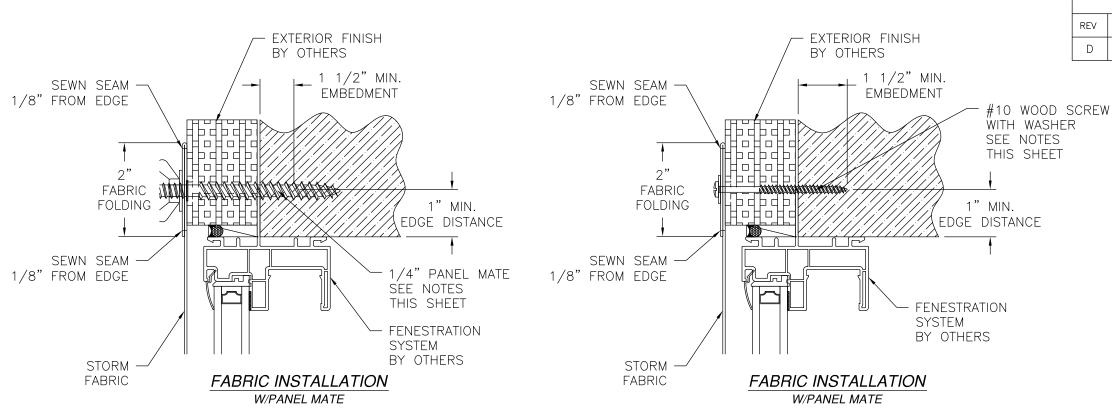
SCALE NTS DATE 11/06/18 SHEET 6 OF 11

L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com



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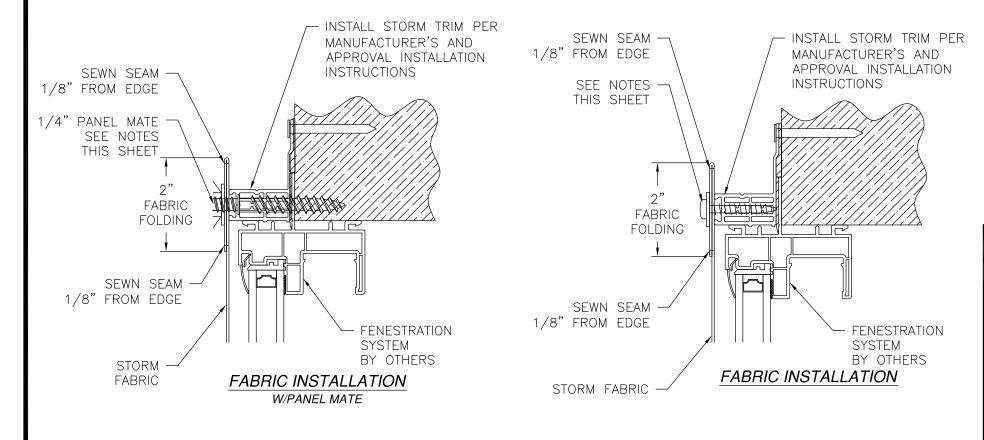
NOTES

ANCHORS QUALIFIED TO BE USED:

- 1. M6-265 X 1 7/16"

 TORX T-25 PH

 SCREW WITH FLAT WASHER
- 2. HILMAN MULTIMATERIAL SCREW
 - HEX/TORX HEAD 1/4" X 1 1/4" WITH 1" WASHER
- 3. #10 X 1 1/2" PTH VINYL HOLD SCREW WITH 1" WASHER
- 4. 1/4" PANEL MATE WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE.
- 5. #10 WOOD SCREW WITH WASHER WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE.



THE MUHLER COMPANY
630 SKYLARK DRIVE SUITE U

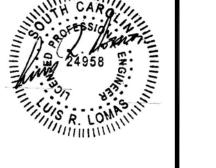
CHARLESTON , SC 29407

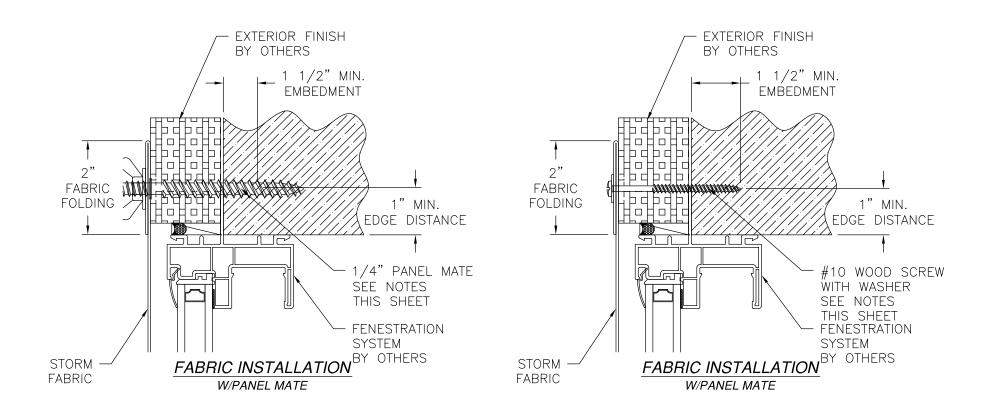
MUHLER STORM COVERING
LARGE AND SMALL MISSILE IMPACT
INSTALLATION DETAILS

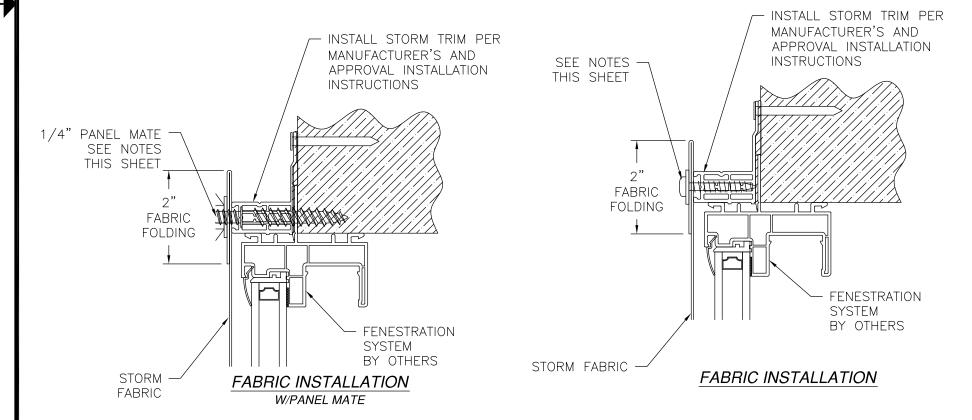
/N: DWG NO.

DRAWN: DWG NO. O8-O3361 REV DSCALE NTS DATE 11/06/18 SHEET 8 OF 11

L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com







	REVISIONS		
REV	DESCRIPTION	DATE	APPROVED
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ANCHORS QUALIFIED TO BE USED:

- 1. M6-265 X 1 7/16"

 TORX T-25 PH

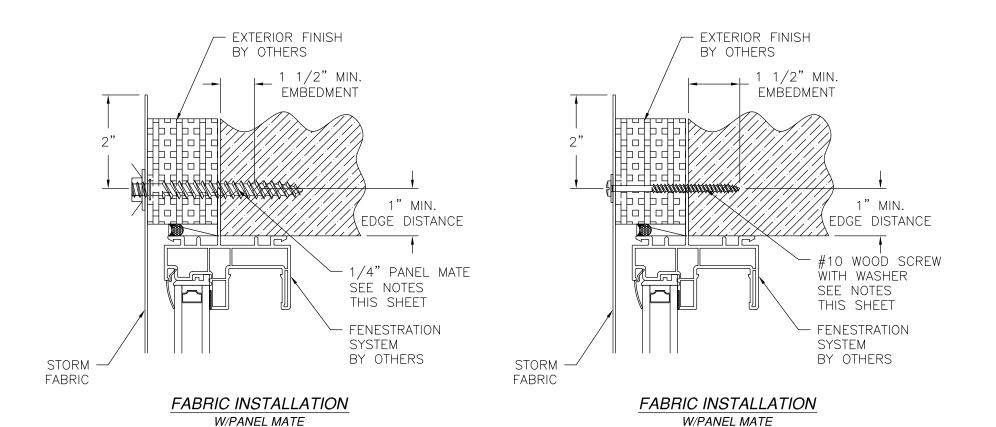
 SCREW WITH FLAT WASHER
- 2. HILMAN MULTIMATERIAL SCREW

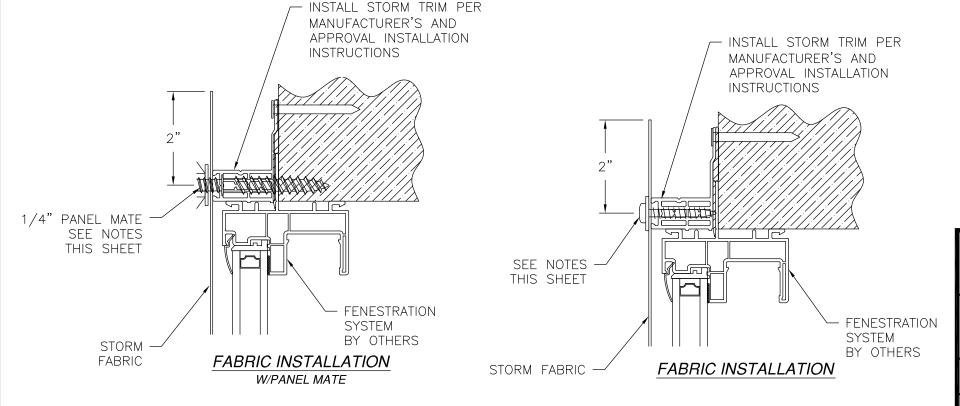
 HEX/TORX HEAD 1/4" X 1 1/4" WITH 1" WASHER
- 3. #10 X 1 1/2" PTH VINYL HOLD SCREW WITH 1" WASHER
- 4. 1/4" PANEL MATE WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE.
- 5. #10 WOOD SCREW WITH WASHER WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE.

SIGNED: 01/30/2023

630	IE MUHLER C SKYLARK DRIVI HARLESTON , SC	E SUITE U		1118				
LARGE	AND SMALL MIS	HLER STORM COVERING ND SMALL MISSILE IMPACT STALLATION DETAILS						
DRAWN:	DWG NO.		REV	WIIII				
A.R.	08	3-03361	D	·				
SCALE NTS DAT	11/06/18	SHEET 9 OF 11						
	L. ROBERTO LOMA S. PALM AVE, INDIALAN 4-688-0609 rllomas@lı	NTIC, FL 32903		Luis S				

IN R LOMASIN





	REVISIONS		
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ANCHORS QUALIFIED TO BE USED:

- 1. M6-265 X 1 7/16"

 TORX T-25 PH

 SCREW WITH FLAT WASHER
- 2. HILMAN MULTIMATERIAL SCREW

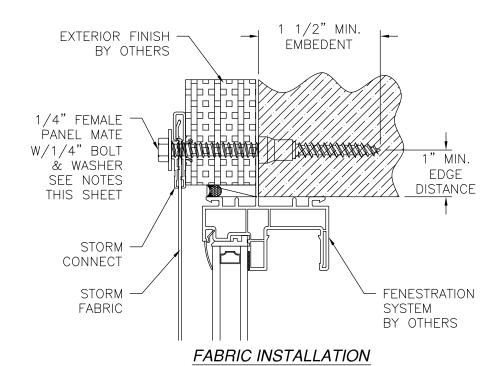
HEX/TORX HEAD 1/4" X 1 1/4" WITH 1" WASHER

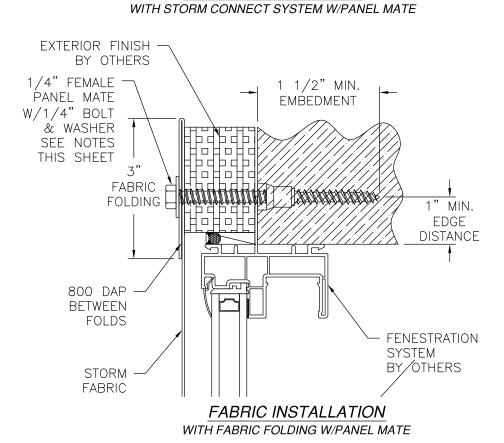
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- 4. 1/4" PANEL MATE WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE.
- 5. #10 WOOD SCREW WITH WASHER WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE.

SIGNED: 01/30/2023

SIGNE								
	THE MUHLER COMPANY 630 SKYLARK DRIVE SUITE U CHARLESTON , SC 29407							
ACT	SILE IMPAC	ER STORM C ID SMALL MIS TALLATION DE	GE AN	LAF				
REV 11,01		DWG NO.		DRAWN:				
D ""	-03361	08		A.R.				
OF 11	SHEET 10 OF	1/06/18	DATE 1	^{SCALE} NTS				
Luis R SC	TIC, FL 32903	L. ROBERTO LOMA ALM AVE, INDIALAN 8-0609 rllomas@lr	400 S. PA					
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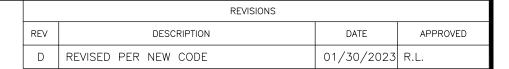


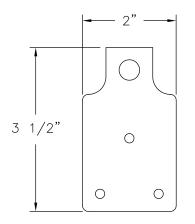




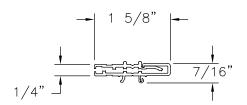
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1. 1/4" FEMALE PANEL MATE WITH 1/4" BOLT AND WASHER

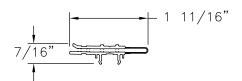




FABRIC CLIP
PLASTIC, BY TOWN & COUNTRY



STORM CONNECT 2 PIECE VINYL, BY MUHLER



STORM CONNECT 1 PIECE VINYL, BY MUHLER

SIGNED: 01/30/2023

