

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED INSTALLATION DETAILS & CHARTS	10/11/2022	R.L.

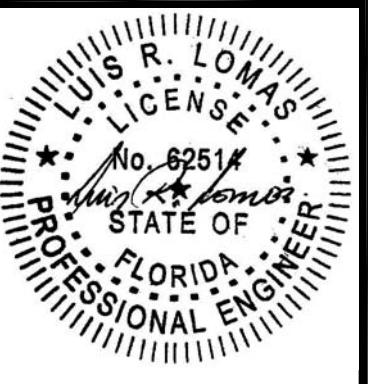
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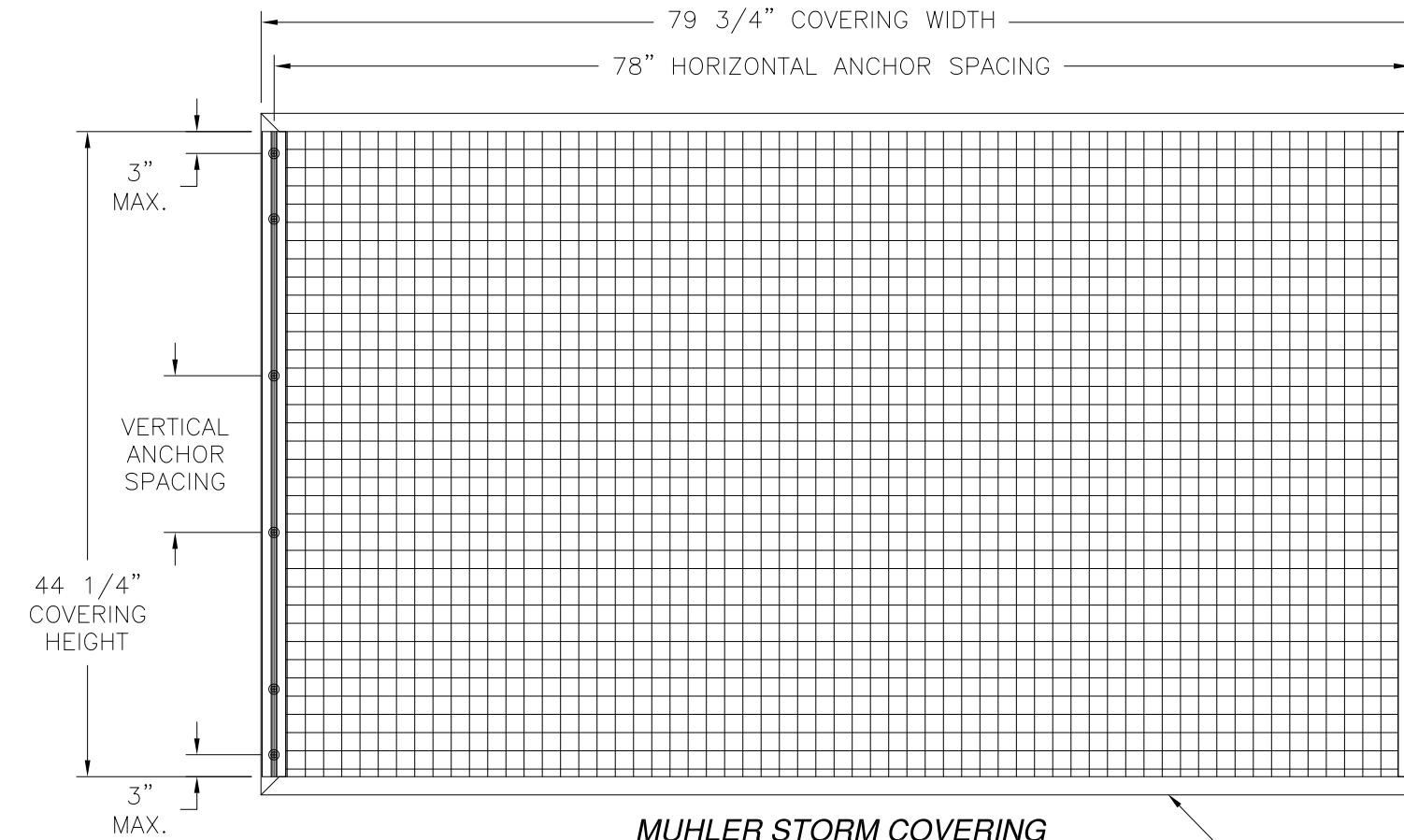
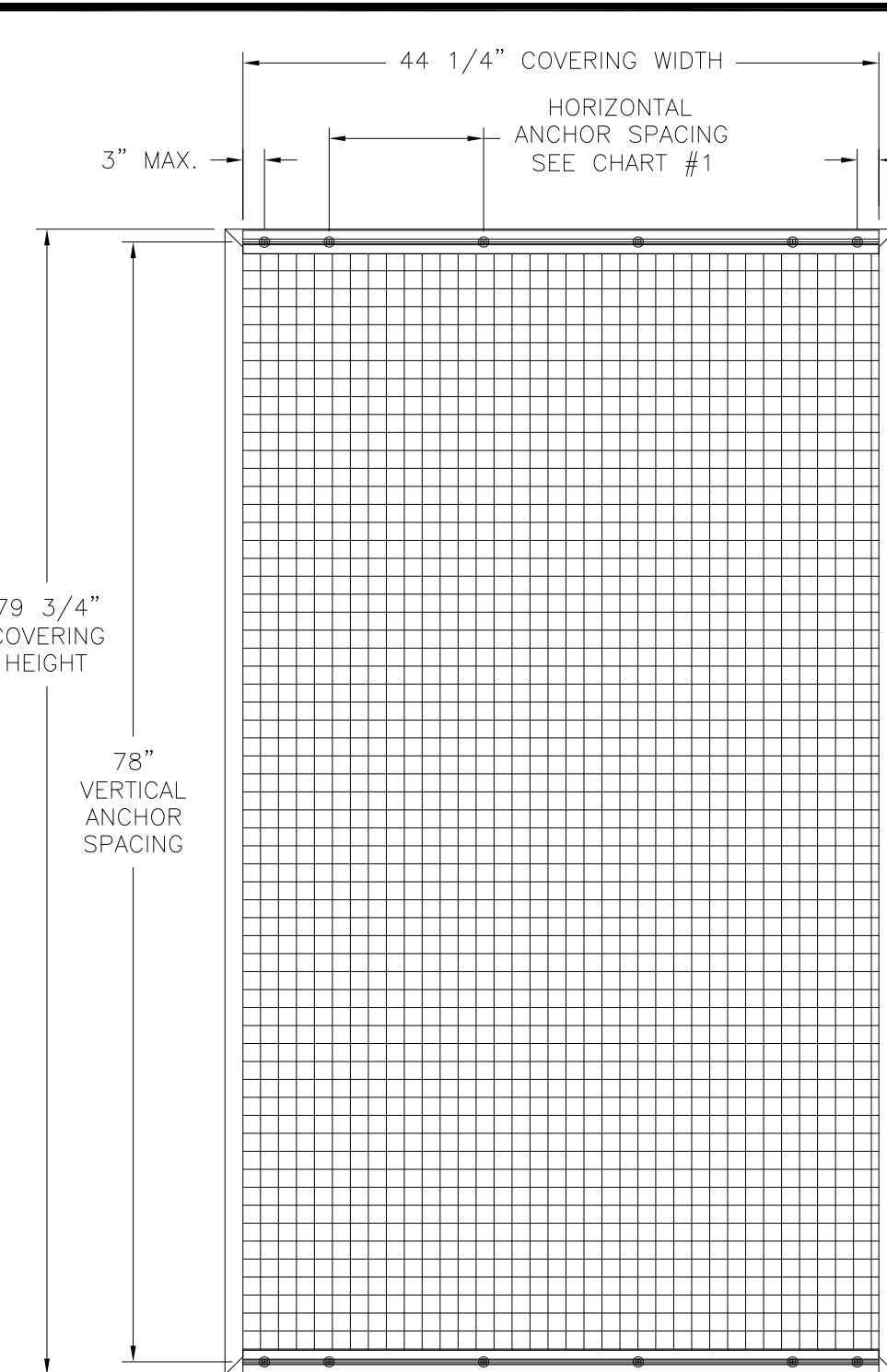
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. THESE INSTALLATION INSTRUCTIONS ARE ONLY FOR THE STORM COVERING. FENESTRATION SYSTEMS MUST HAVE THEIR OWN SEPARATE APPROVAL.
3. STORM TRIM PLUS ANCHORING SYSTEM MUST BE INSTALLED IN ACCORDANCE 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.
7. FABRIC MATERIAL: HIGH TENACITY POLYPROPYLENE 0.050" THICK.

SIGNED: 10/14/2022

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SHEET NO.	DESCRIPTION
1	NOTES
2 - 4	ELEVATIONS AND CHARTS
5 - 10	INSTALLATION DETAILS
11	COMPONENTS AND INSTALLATION DETAILS

THE MUHLER COMPANY 630 SKYLARK DRIVE SUITE U CHARLESTON , SC 29407		
MUHLER STORM COVERING LARGE AND SMALL MISSILE IMPACT NOTES		
DRAWN: A.R.	DWG NO. 08-03362	REV B
SCALE NTS	DATE 12/11/18	SHEET 1 OF 11
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rlomas@rlomaspe.com		





**MUHLER STORM COVERING**  
VERTICAL INSTALLATION  
REFER TO SHEET 4 FOR MULTIPLE UNIT PROTECTION

DESIGN PRESSURE RATING	IMPACT RATING
$\pm 50.0 \text{ PSF}$	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3  
44 1/4" X 81" FABRIC PANEL SHOWN, UNLIMITED WIDTH IS APPROVED AS LONG ANCHOR VERTICAL AND HORIZONTAL SPACING IS IN ACCORDANCE WITH CHART #1

**MUHLER STORM COVERING**  
HORIZONTAL INSTALLATION  
REFER TO SHEET 4 FOR MULTIPLE UNIT PROTECTION

DESIGN PRESSURE RATING	IMPACT RATING
$\pm 50.0 \text{ PSF}$	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3  
81" X 44 1/4" FABRIC PANEL SHOWN, UNLIMITED HEIGHT IS APPROVED AS LONG ANCHOR VERTICAL AND HORIZONTAL SPACING IS IN ACCORDANCE WITH CHART #2

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THE MUHLER COMPANY 630 SKYLARK DRIVE SUITE U CHARLESTON, SC 29407	
MUHLER STORM COVERING LARGE AND SMALL MISSILE IMPACT ELEVATIONS	
DRAWN: A.R.	DWG NO. 08-03362
SCALE NTS	DATE 12/11/18
SHEET 2 OF 11	
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rlomas@rlomaspe.com	



Luis R. Lomas P.E.  
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Chart #1

Design pressure chart (psf)

Horizontal anchor space (in)	Vertical anchor spacing (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		
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		
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	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0		
12.0	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

Chart #2

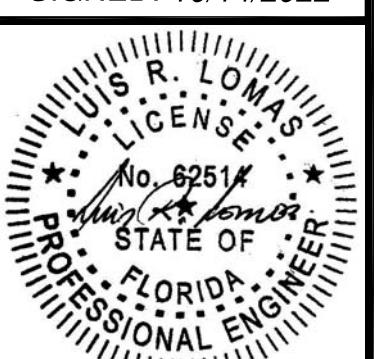
Design pressure chart (psf)

Vertical anchor space (in)	Horizontal anchor spacing (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
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	
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	
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	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	
12.0	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	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	-	-	-	-	-	-	-	-	-	-

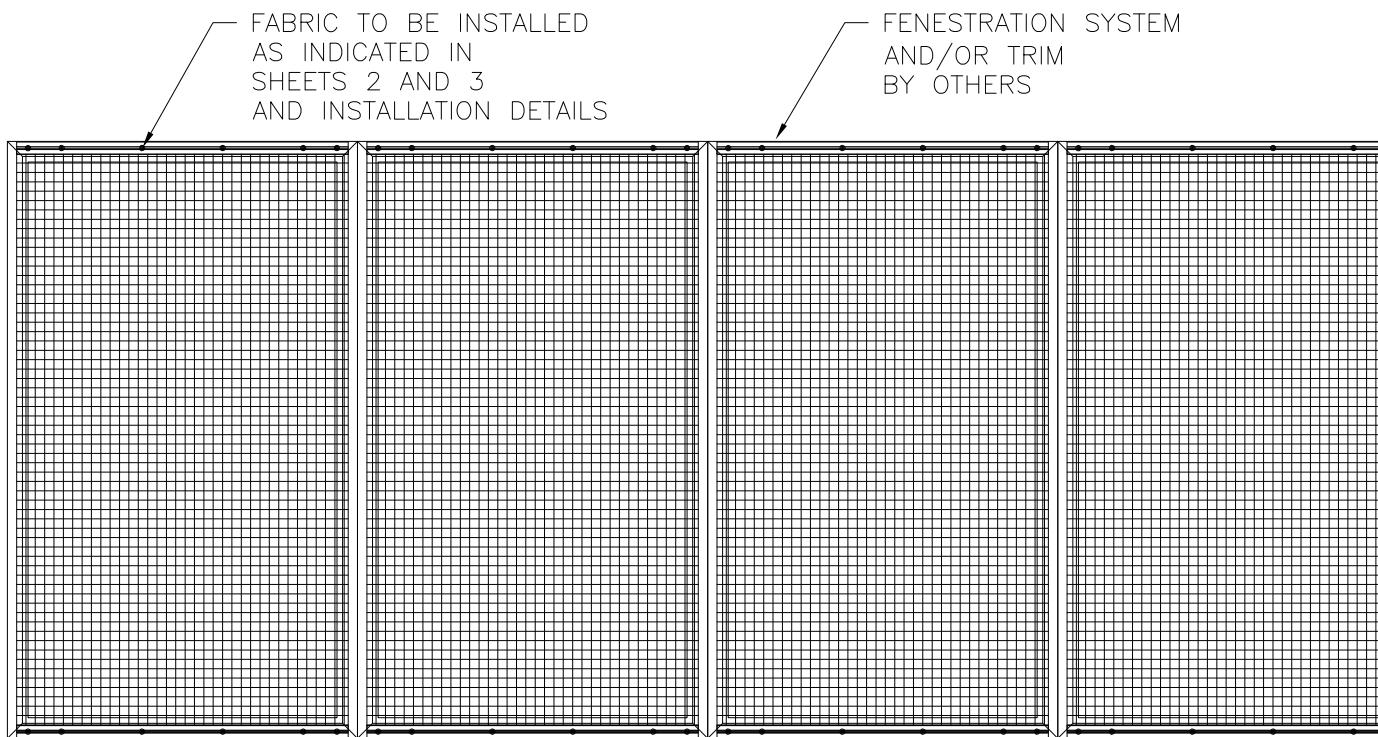
Design pressures are positive and negative

SIGNED: 10/14/2022

THE MUHLER COMPANY		
630 SKYLARK DRIVE SUITE U		
CHARLESTON , SC 29407		
MUHLER STORM COVERING		
LARGE AND SMALL MISSILE IMPACT		
CHARTS		
DRAWN: A.R.	DWG NO. 08-03362	REV B
SCALE NTS	DATE 12/11/18	SHEET 3 OF 11
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rlomas@rlomaspe.com		

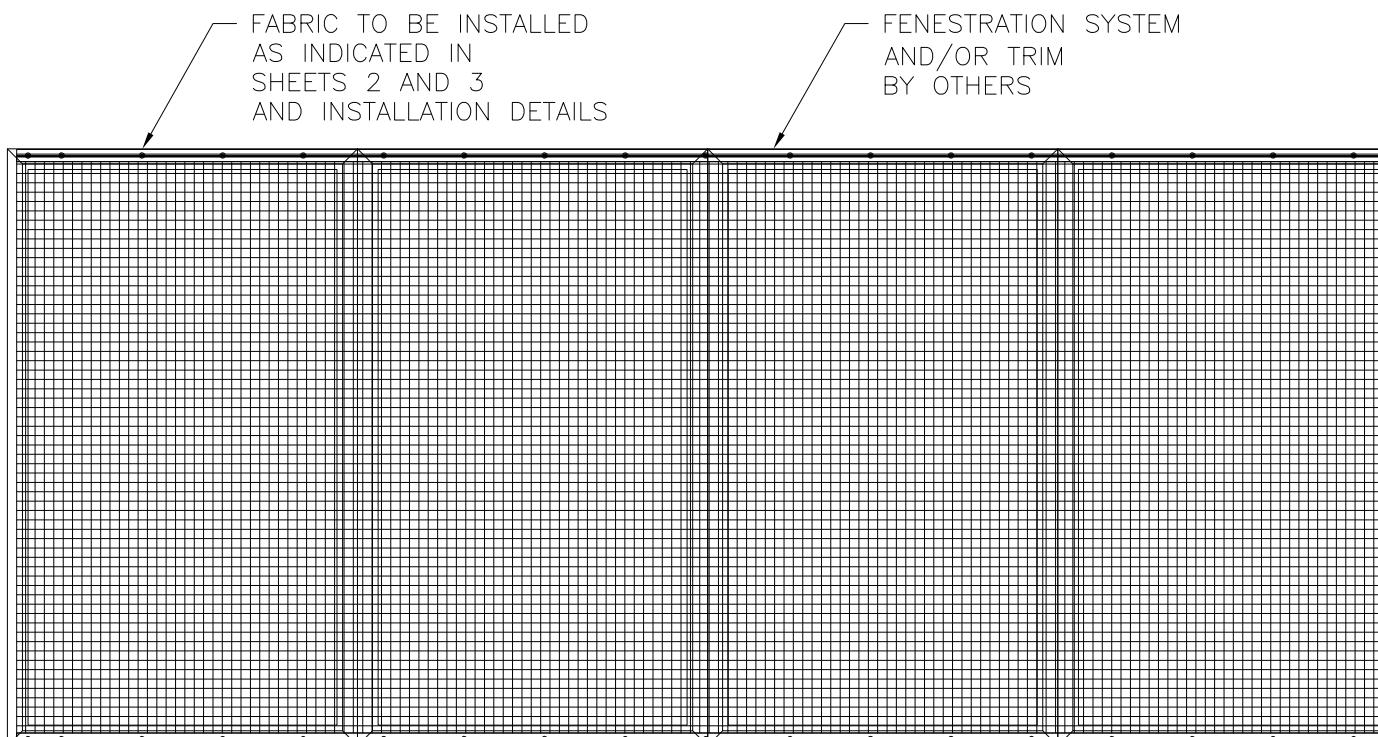


Luis R. Lomas P.E.  
FL No.: 62514



### 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



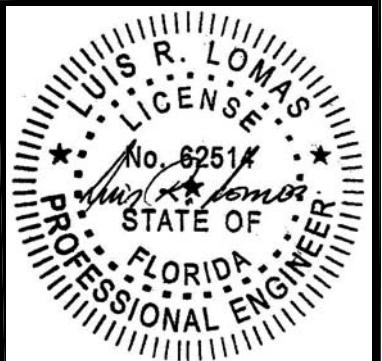
### MUHLER STORM COVERING

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

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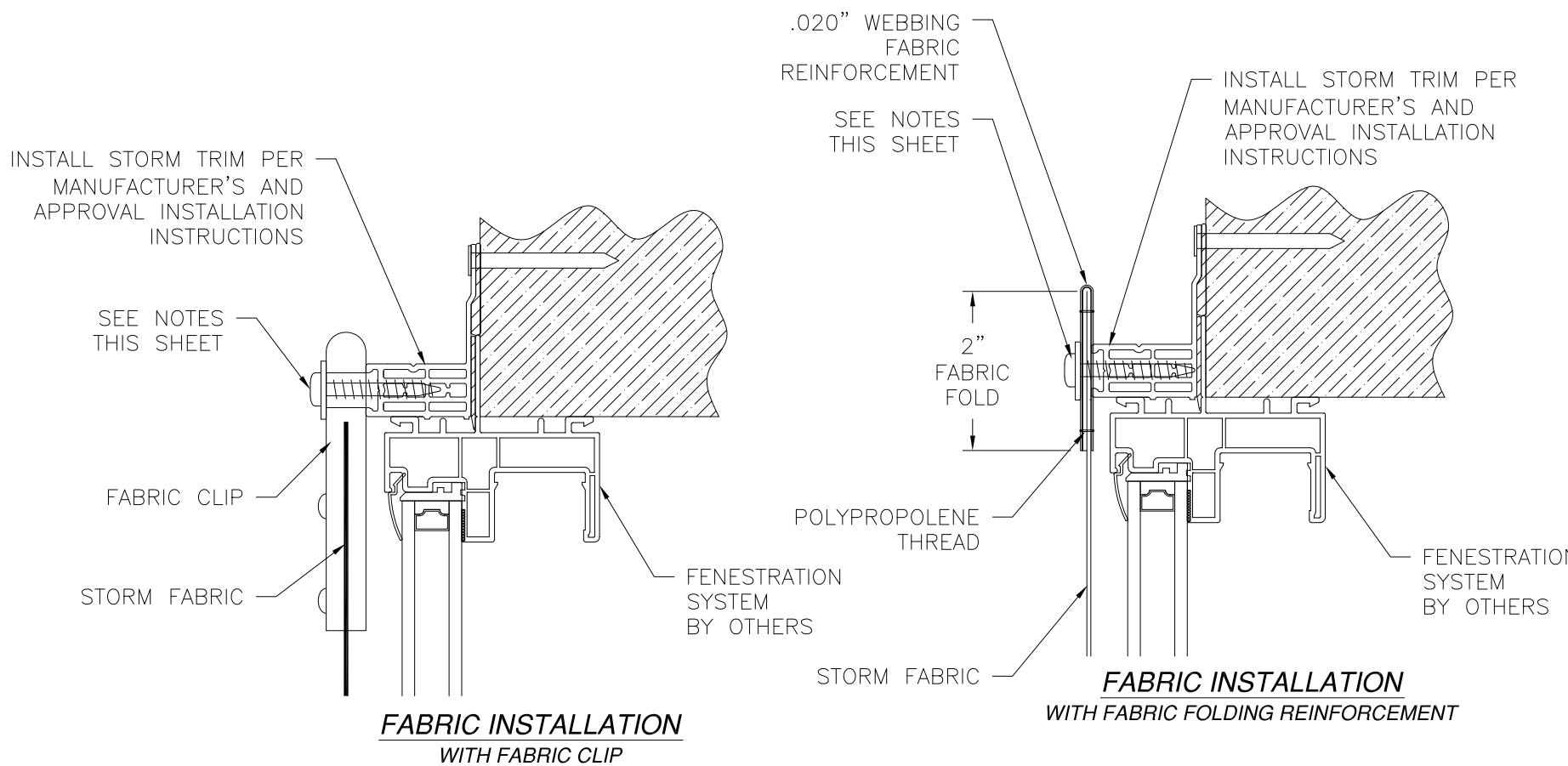
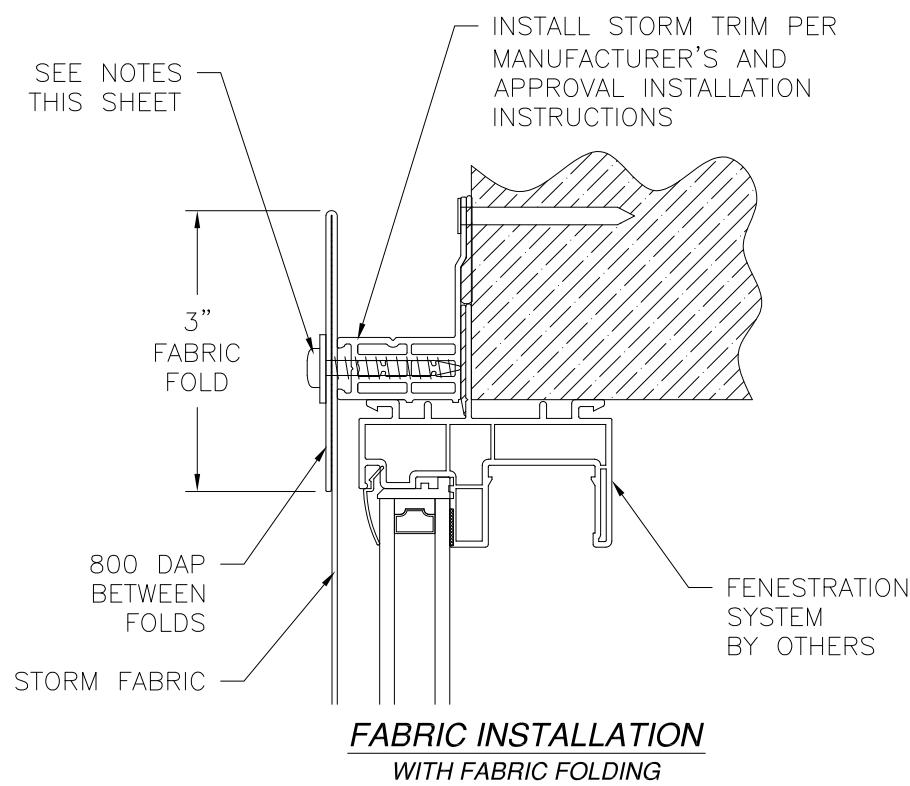
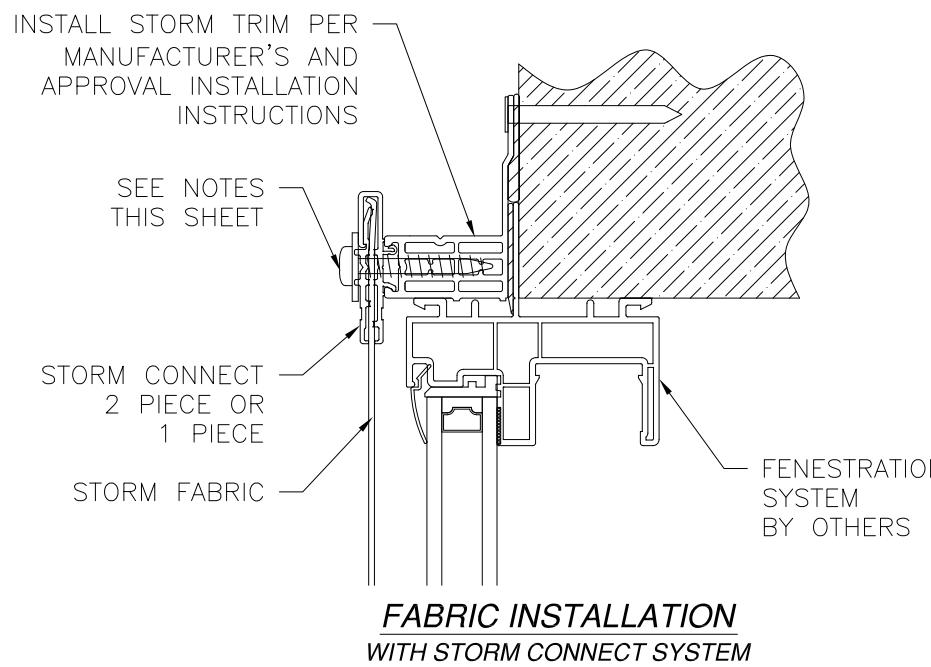
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THE MUHLER COMPANY 630 SKYLARK DRIVE SUITE U CHARLESTON , SC 29407		
MUHLER STORM COVERING LARGE AND SMALL MISSILE IMPACT MULTIPLE INSTALLATION ELEVATION		
DRAWN: A.R.	DWG NO. 08-03362	REV B
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L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rlomas@rlomaspe.com		



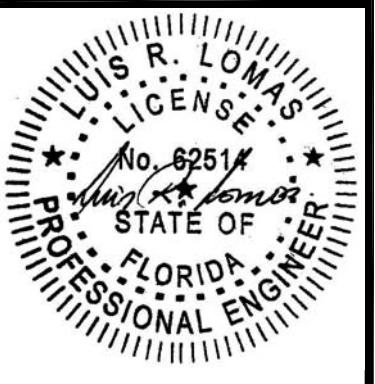
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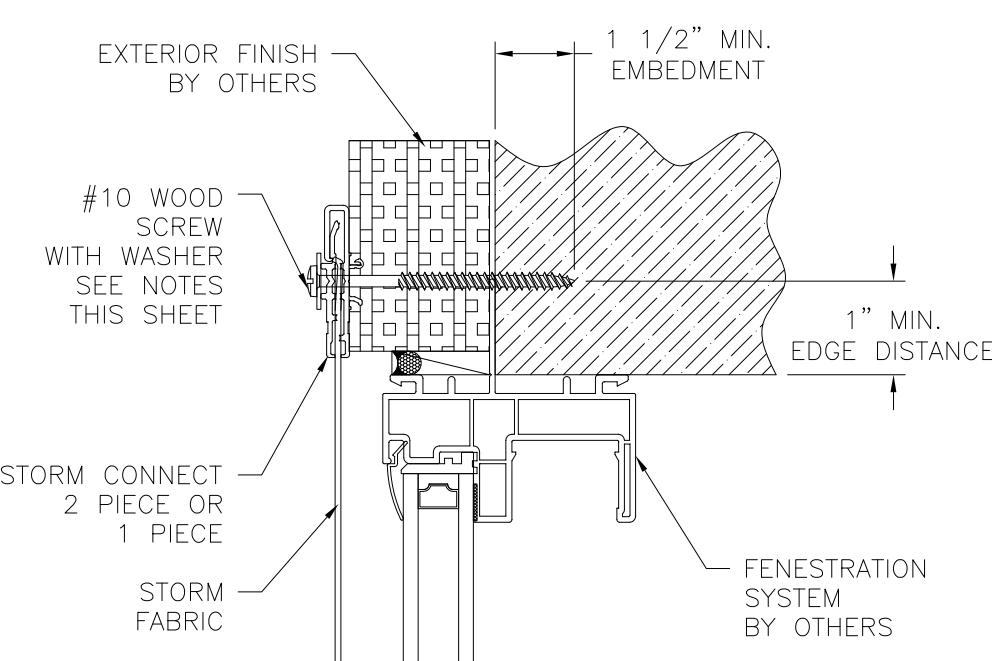
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	SHEET 5 OF 11
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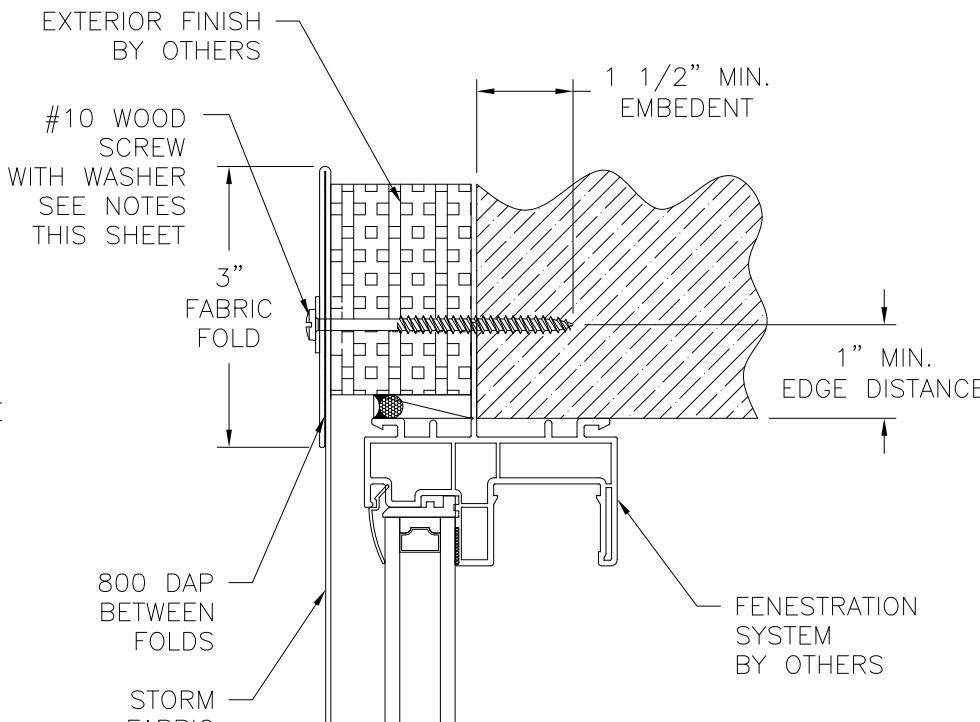


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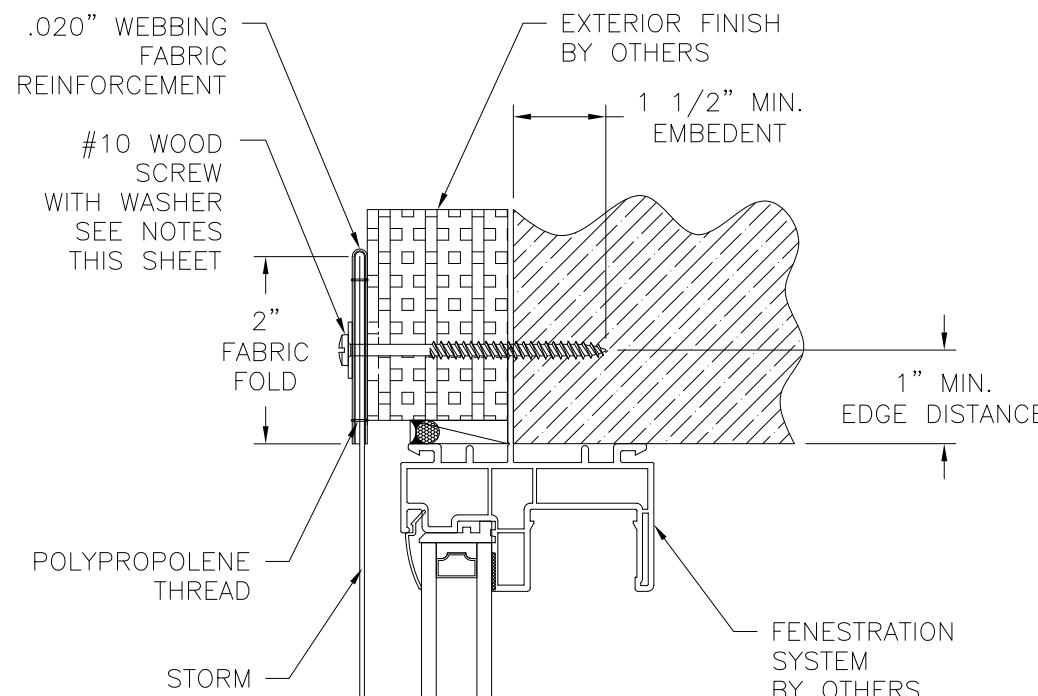


**FABRIC INSTALLATION**  
WITH STORM CONNECT SYSTEM W/WOOD SCREW



**FABRIC INSTALLATION**  
WITH FABRIC FOLDING W/WOOD SCREW

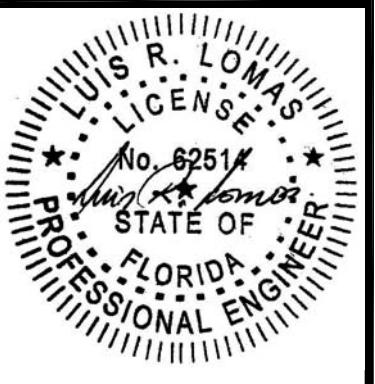
**NOTES:**  
ANCHORS QUALIFIED TO BE USED:  
1. #10 WOOD SCREW WITH WASHER WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE.



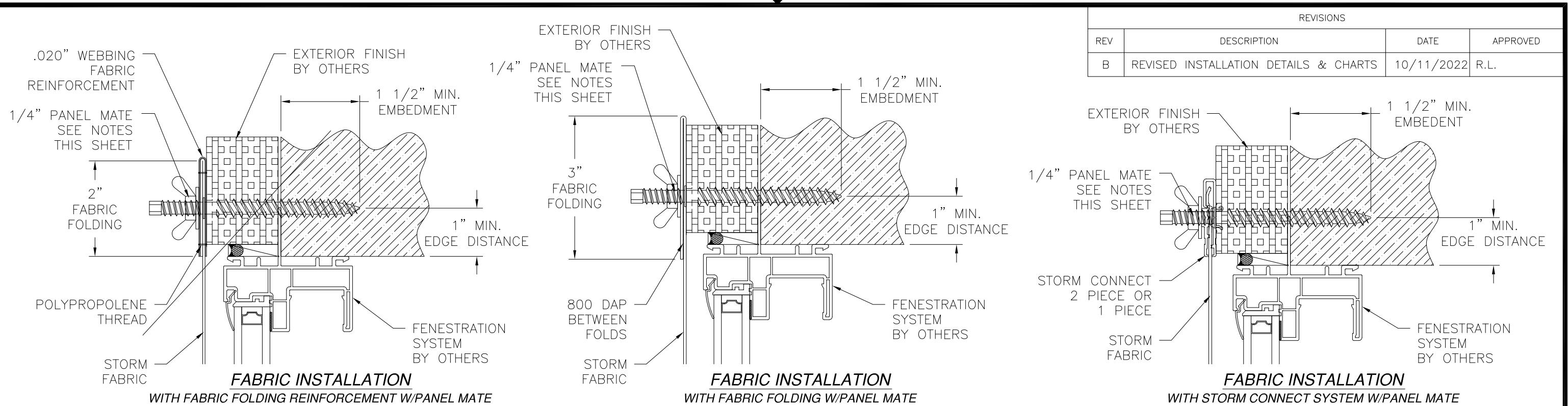
**FABRIC INSTALLATION**  
WITH FABRIC FOLDING REINFORCEMENT W/WOOD SCREW

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THE MUHLER COMPANY 630 SKYLARK DRIVE SUITE U CHARLESTON , SC 29407		
MUHLER STORM COVERING LARGE AND SMALL MISSILE IMPACT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03362	REV B
SCALE NTS	DATE 12/11/18	SHEET 6 OF 11
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rlomas@rlomaspe.com		



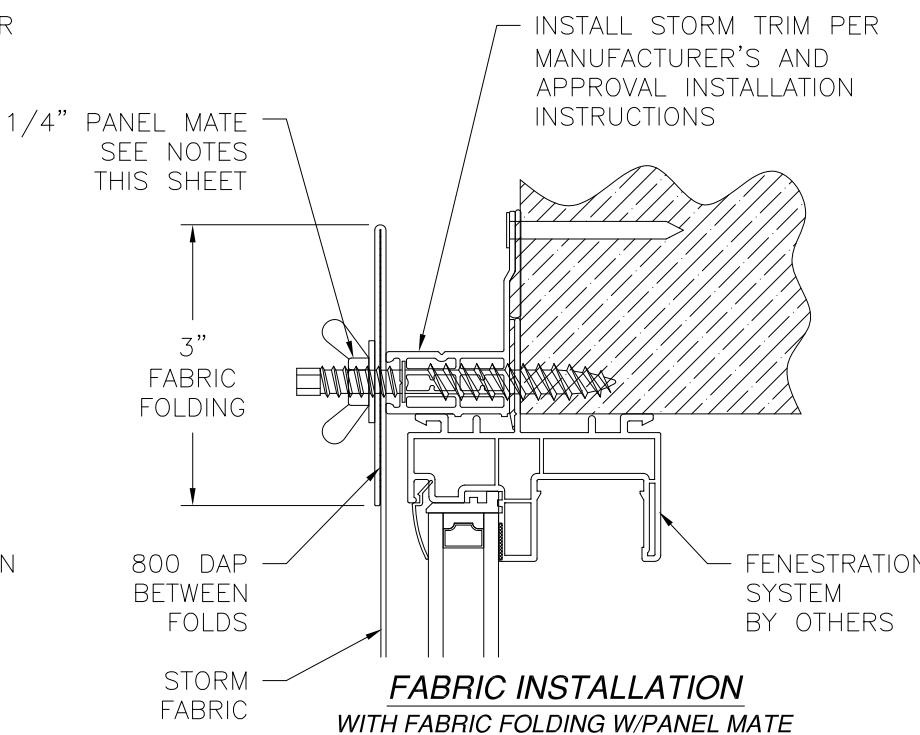
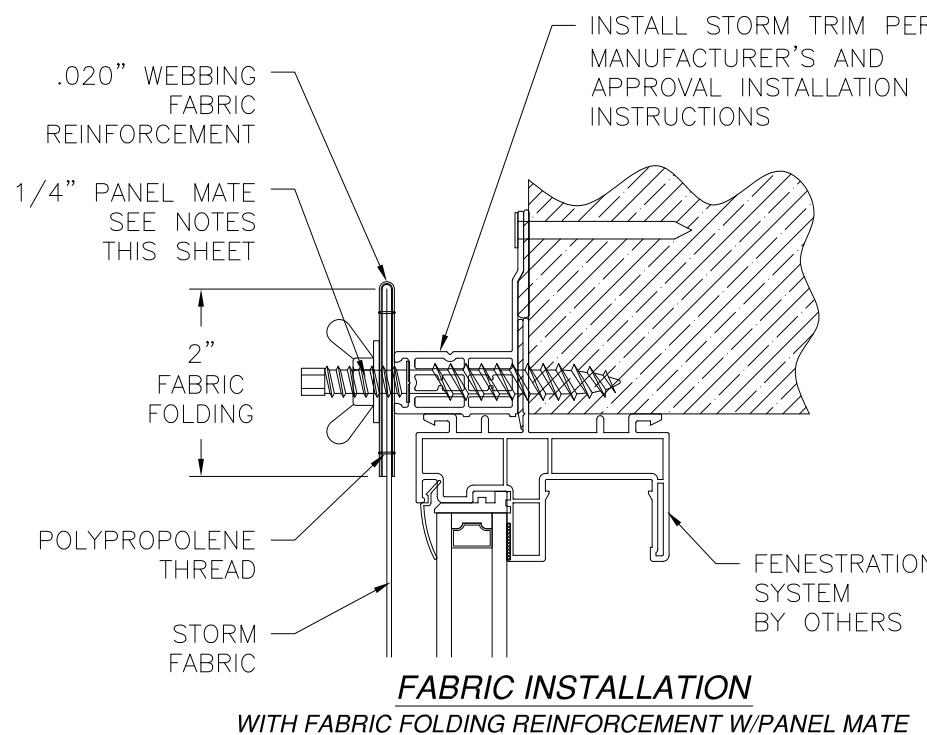
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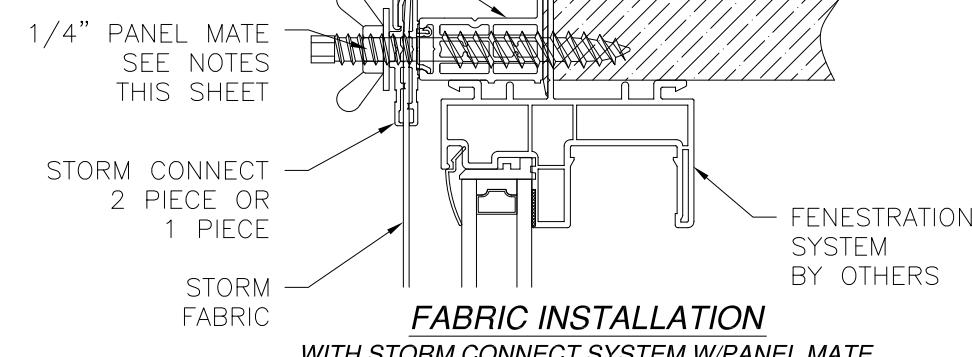
NOTES:

ANCHORS QUALIFIED TO BE USED:

1. 1/4" PANEL MATE WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE.

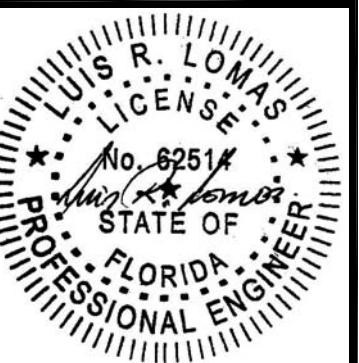


INSTALL STORM TRIM PER MANUFACTURER'S AND APPROVAL INSTALLATION INSTRUCTIONS

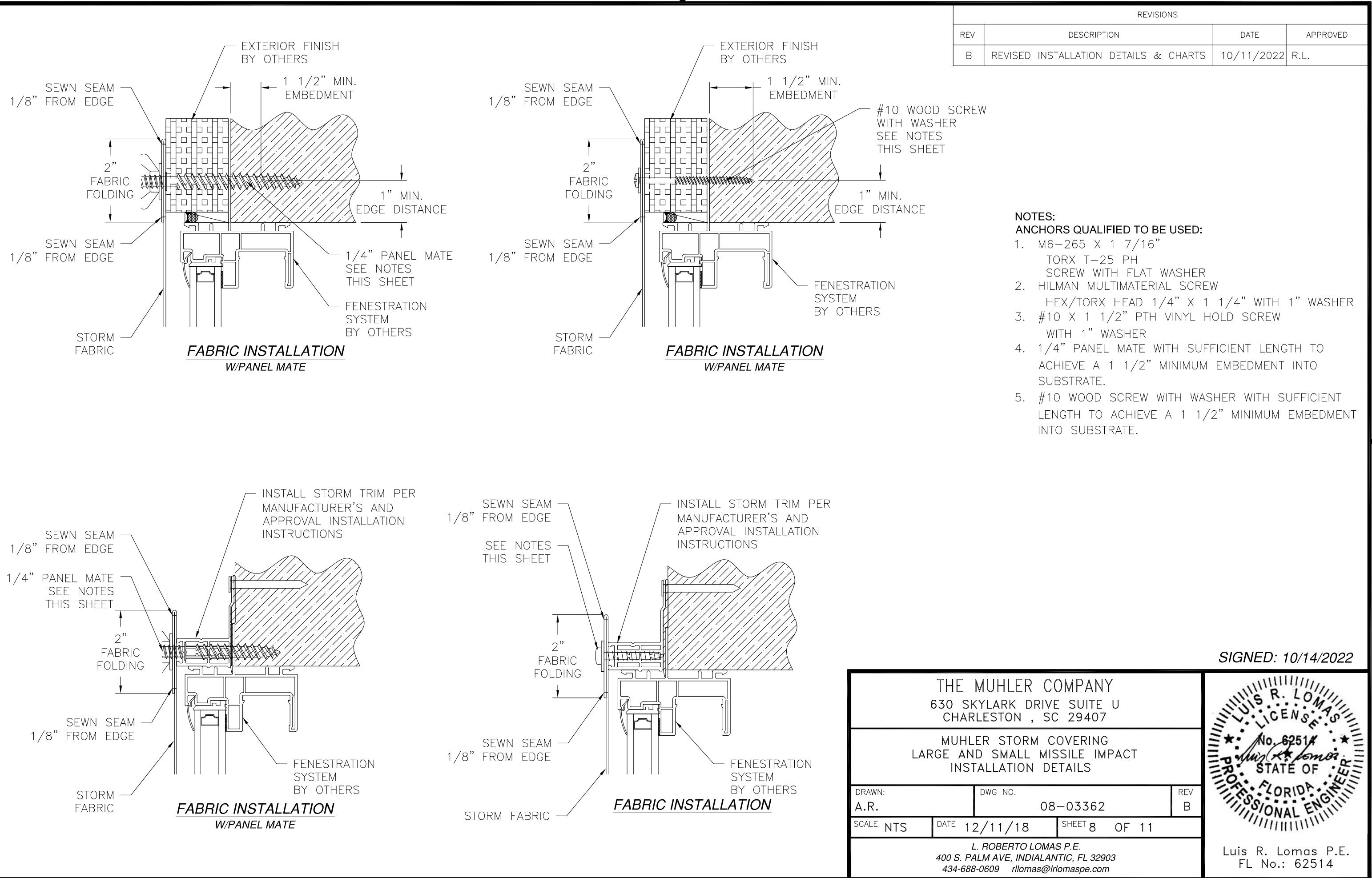


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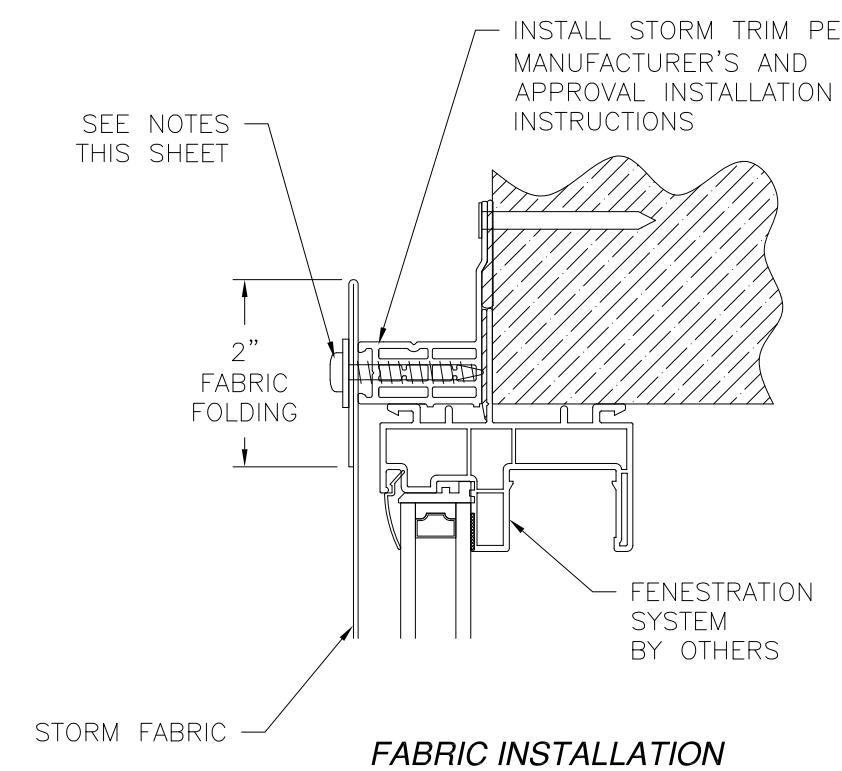
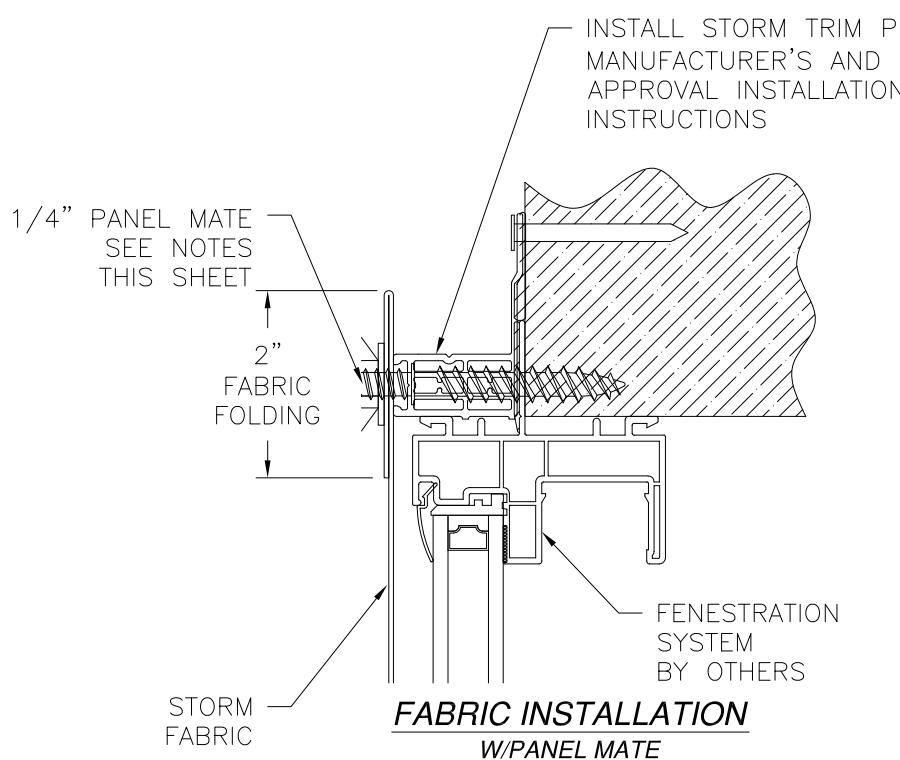
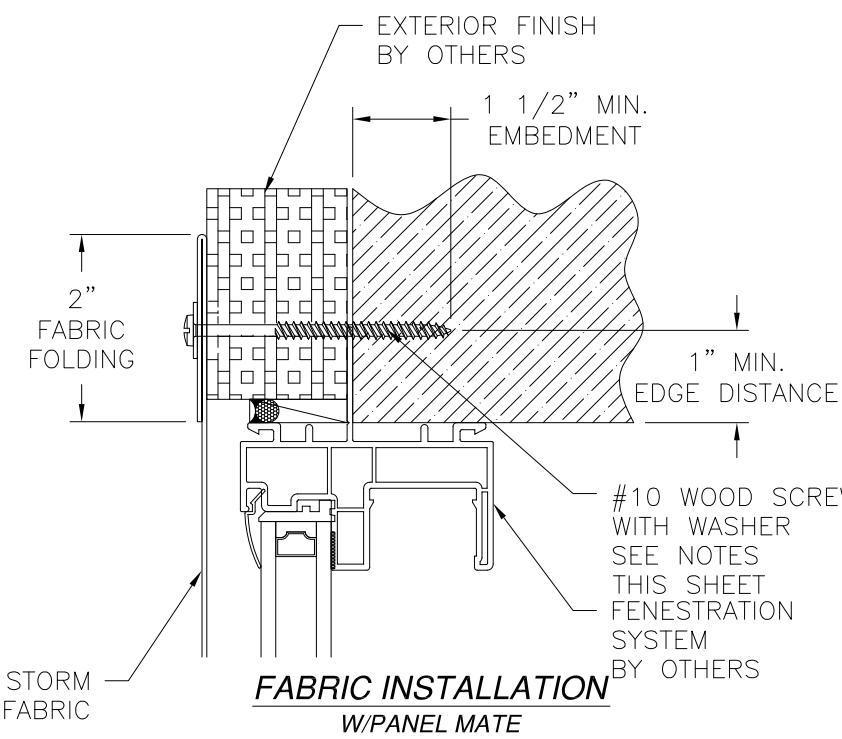
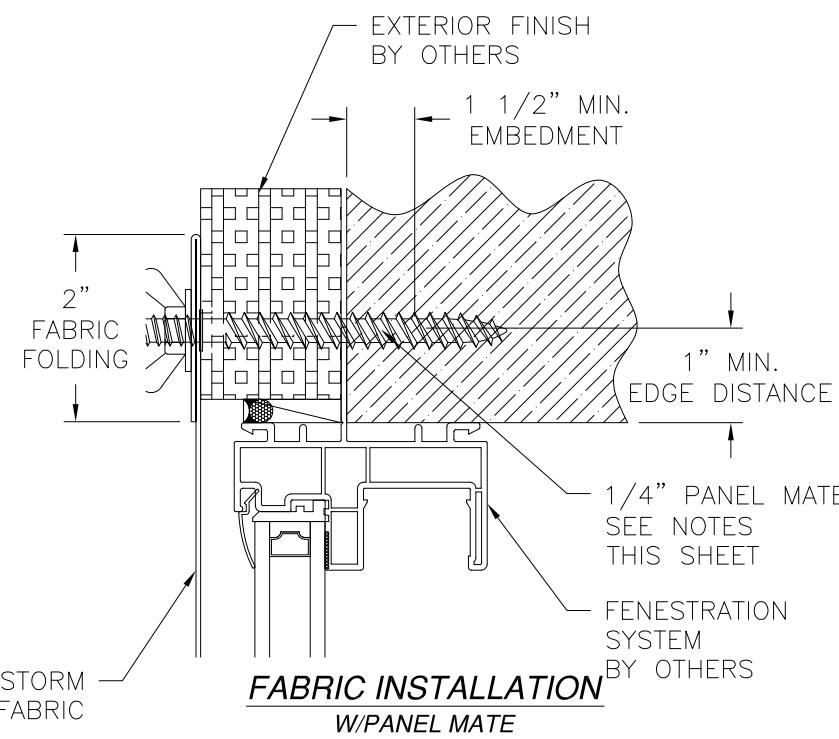
THE MUHLER COMPANY	
630 SKYLARK DRIVE SUITE U	
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MUHLER STORM COVERING	
LARGE AND SMALL MISSILE IMPACT	
INSTALLATION DETAILS	
DRAWN: A.R.	DWG NO. 08-03362
REV B	
SCALE NTS	DATE 12/11/18
	SHEET 7 OF 11
L. ROBERTO LOMAS P.E.	
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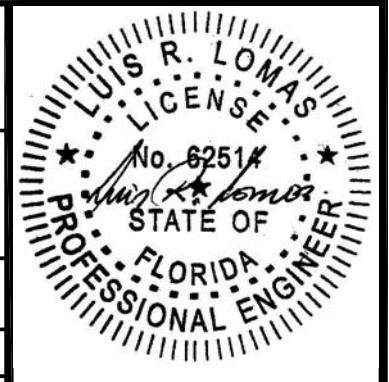
1. M6-265 X 1 7/16" TORX T-25 PH SCREW WITH FLAT WASHER
2. HILMAN MULTIMATERIAL SCREW HEX/TORX HEAD 1/4" X 1 1/4" WITH 1" WASHER
3. #10 X 1 1/2" PTH VINYL HOLD SCREW WITH 1" WASHER
4. 1/4" PANEL MATE WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE.
5. #10 WOOD SCREW WITH WASHER WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE.

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

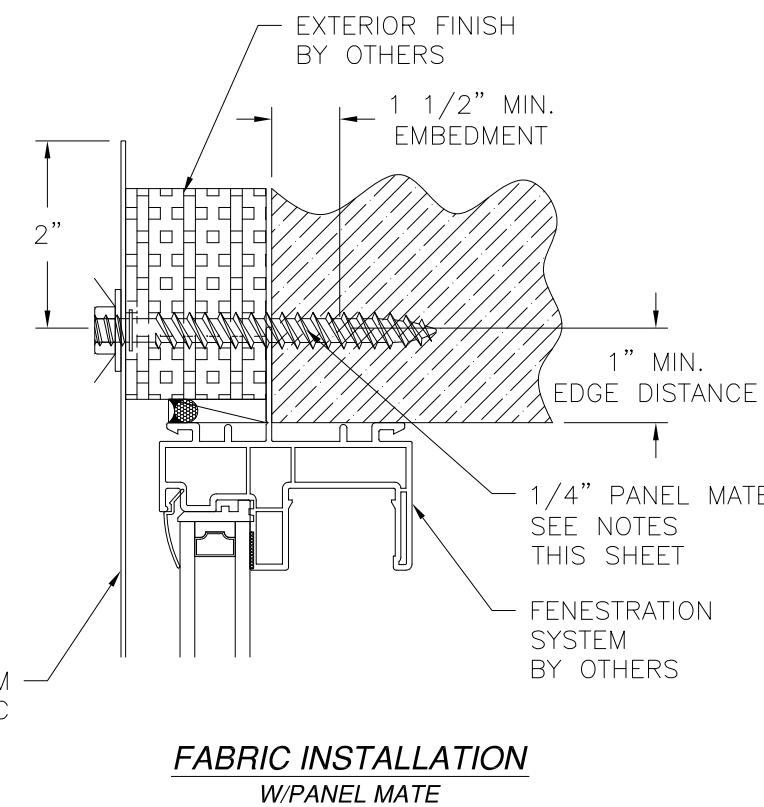
MUHLER STORM COVERING  
LARGE AND SMALL MISSILE IMPACT  
INSTALLATION DETAILS

DRAWN: A.R.	DWG NO. 08-03362	REV B
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L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rlomas@rlomaspe.com		

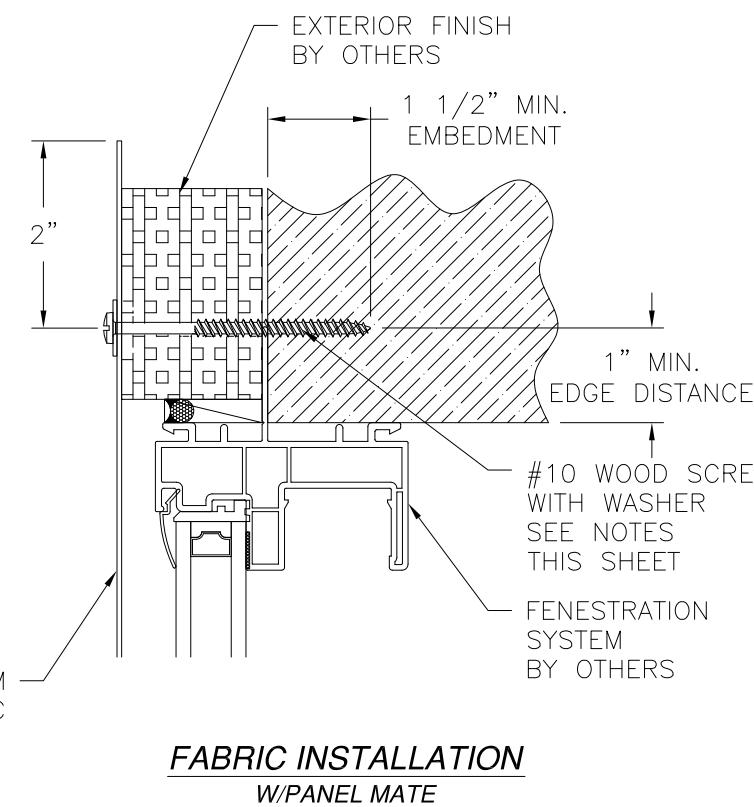


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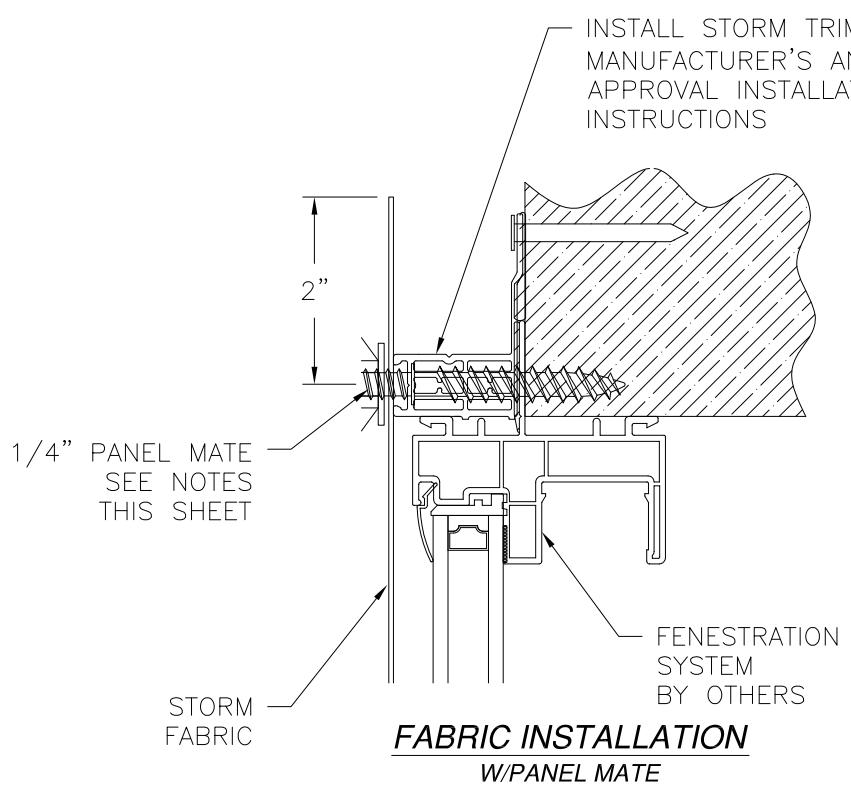
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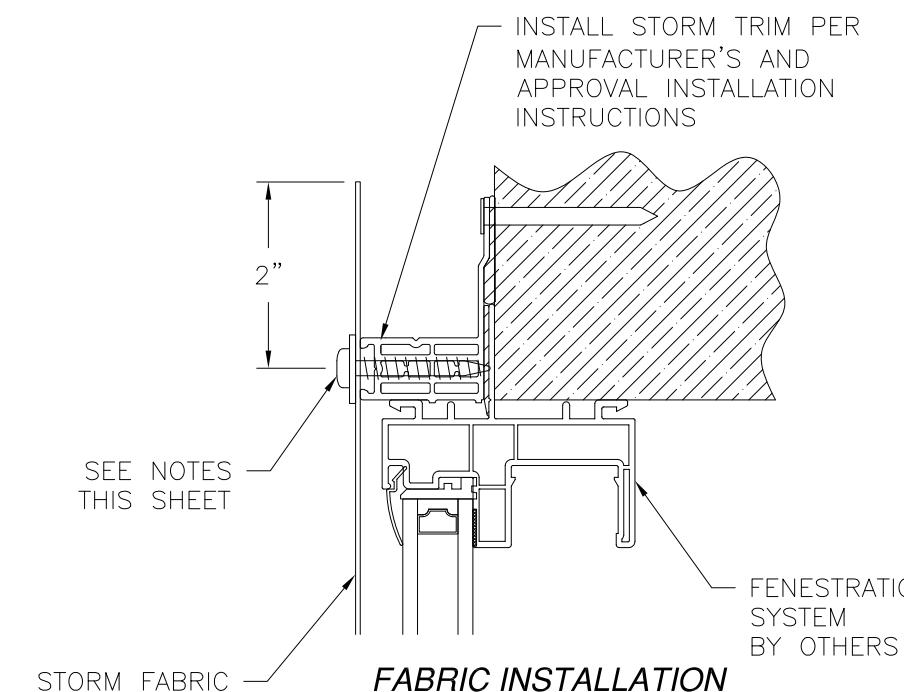
**FABRIC INSTALLATION**  
W/PANEL MATE



**FABRIC INSTALLATION**  
W/PANEL MATE



**FABRIC INSTALLATION**  
W/PANEL MATE



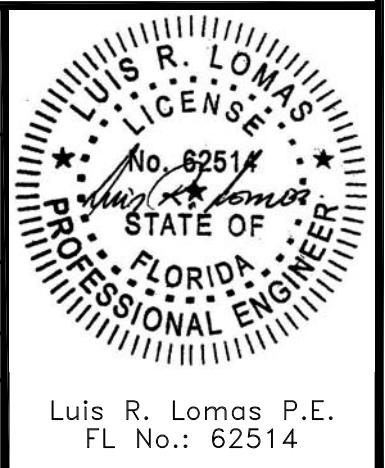
**FABRIC INSTALLATION**

**NOTES:**  
**ANCHORS QUALIFIED TO BE USED:**

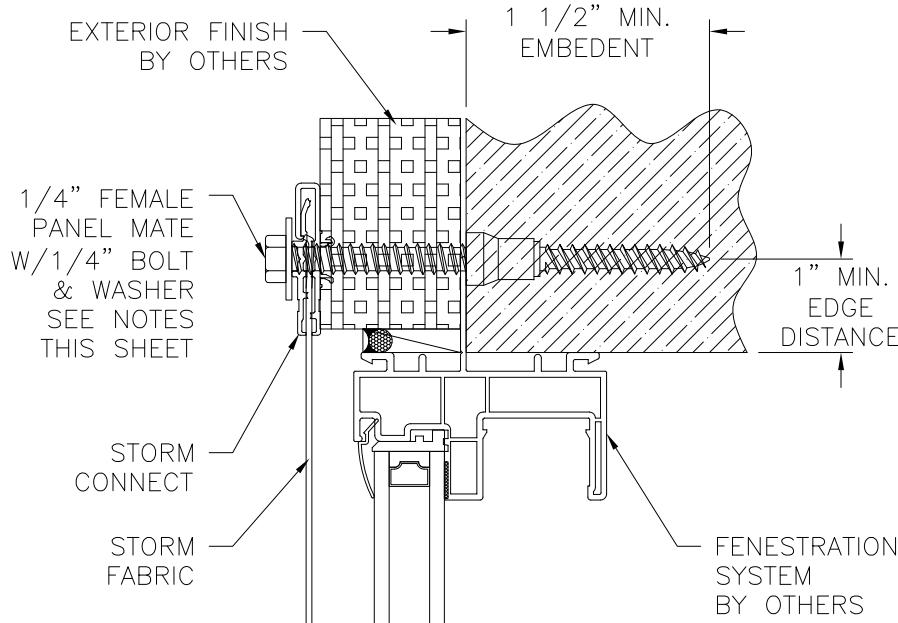
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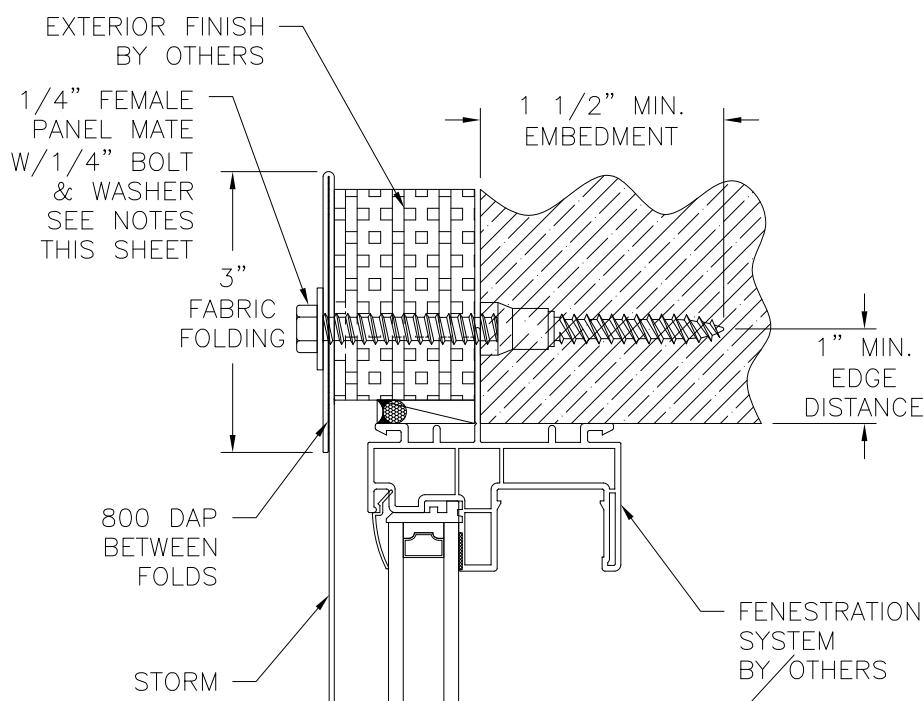
THE MUHLER COMPANY 630 SKYLARK DRIVE SUITE U CHARLESTON , SC 29407		
MUHLER STORM COVERING LARGE AND SMALL MISSILE IMPACT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03362	REV B
SCALE NTS	DATE 12/11/18	SHEET 10 OF 11
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rlomas@rlomaspe.com		



Luis R. Lomas P.E.  
FL No.: 62514



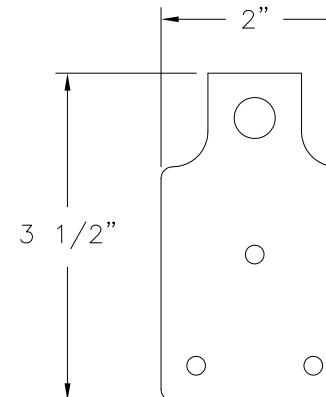
**FABRIC INSTALLATION**  
WITH STORM CONNECT SYSTEM W/PANEL MATE



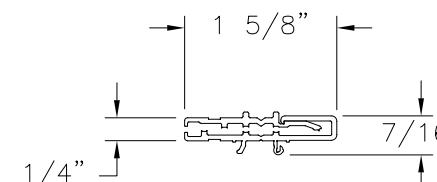
**FABRIC INSTALLATION**  
WITH FABRIC FOLDING W/PANEL MATE

NOTES:  
ANCHORS QUALIFIED TO BE USED:  
1. 1/4" FEMALE PANEL MATE WITH 1/4" BOLT AND WASHER

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED INSTALLATION DETAILS & CHARTS	10/11/2022	R.L.



**FABRIC CLIP**  
PLASTIC, BY TOWN & COUNTRY



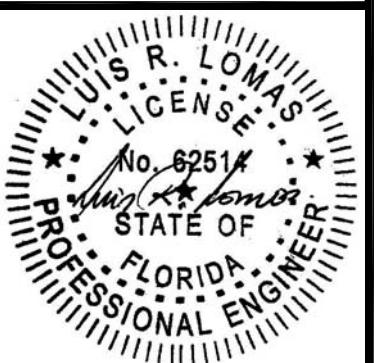
**STORM CONNECT 2 PIECE**  
VINYL, BY MUHLER



**STORM CONNECT 1 PIECE**  
VINYL, BY MUHLER

SIGNED: 10/14/2022

THE MUHLER COMPANY 630 SKYLARK DRIVE SUITE U CHARLESTON , SC 29407		
MUHLER STORM COVERING LARGE AND SMALL MISSILE IMPACT COMPONENTS AND INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03362	REV B
SCALE NTS	DATE 12/11/18	SHEET 11 OF 11
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