

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

- NOTES:
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: 09/02/2026

TABLE OF CONTENTS	
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

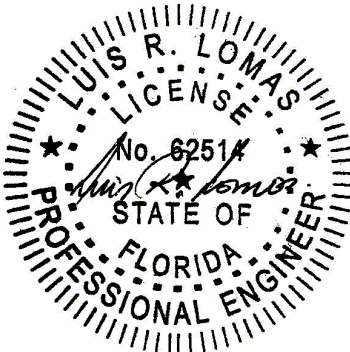
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B

SCALE NTS

DATE 12/11/18

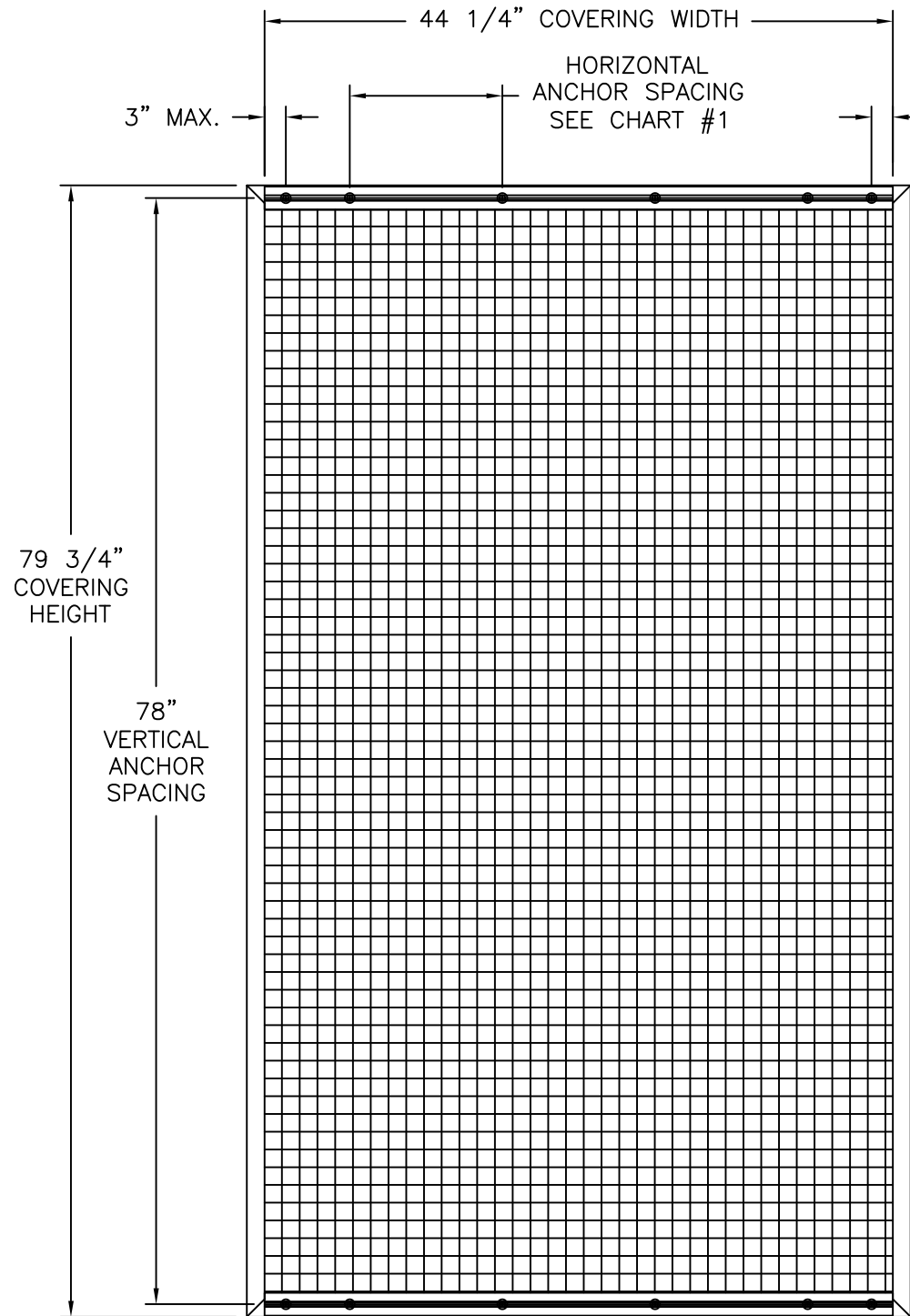
SHEET 1 OF 11

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com



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

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MUHLER STORM COVERING

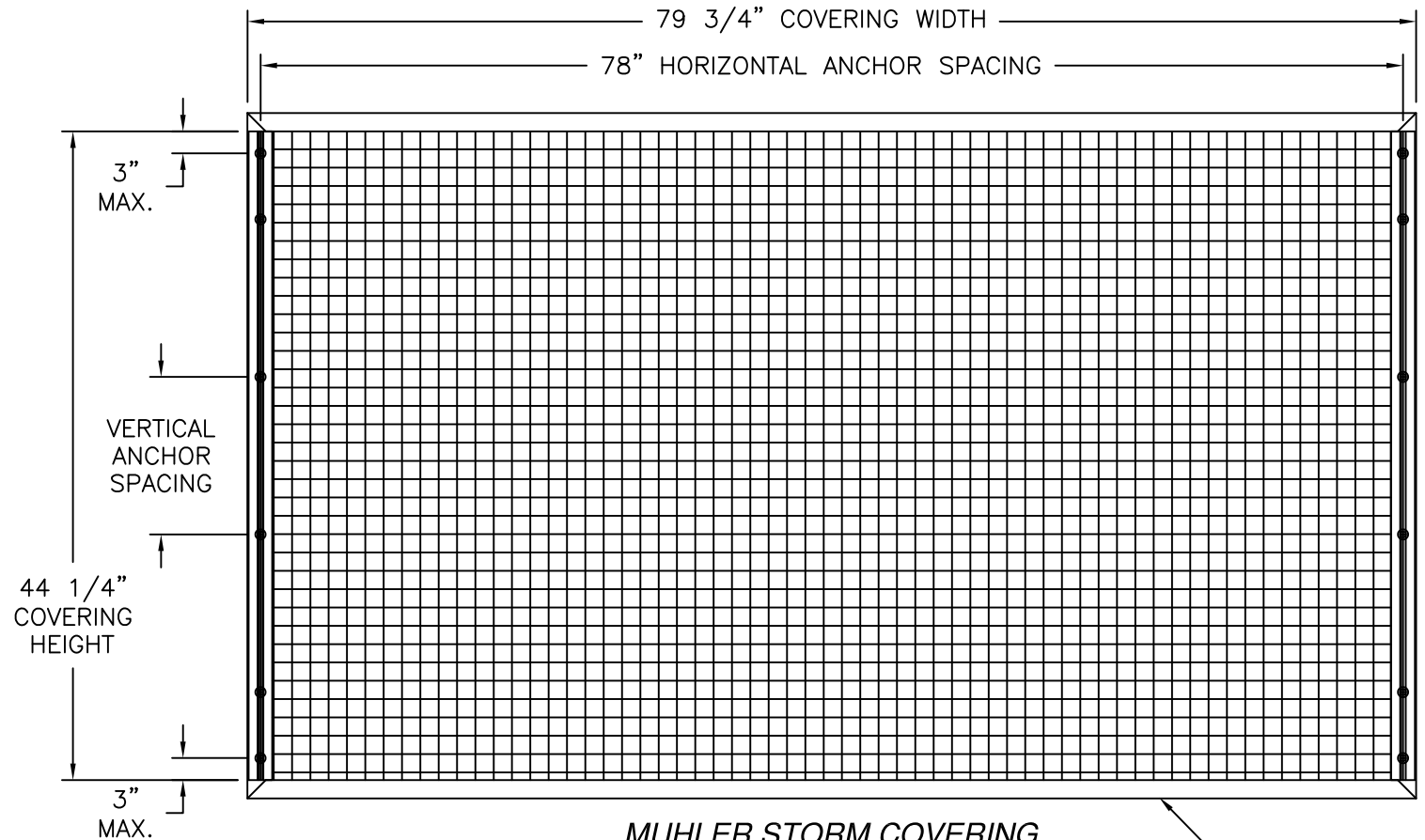
VERTICAL INSTALLATION

REFER TO SHEET 4 FOR MULTIPLE UNIT PROTECTION

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	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
±50.0PSF	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

FENESTRATION SYSTEM AND/OR TRIM BY OTHERS

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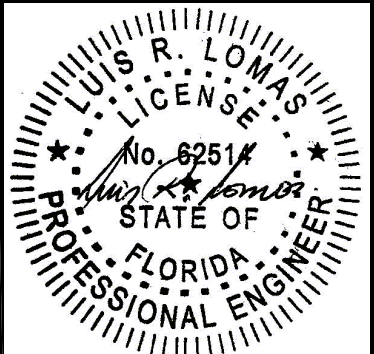
THE MUHLER COMPANY

630 SKYLARK DRIVE SUITE U
CHARLESTON , SC 29407

MUHLER STORM COVERING
LARGE AND SMALL MISSILE IMPACT
ELEVATIONS

DRAWN: A.R.	DWG NO. 08-03362	REV B
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208 7th Ave, INDIALANTIC, FL 32903
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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	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	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

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	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

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

MUHLER STORM COVERING
LARGE AND SMALL MISSILE IMPACT
CHARTS

DRAWN:
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08-03362

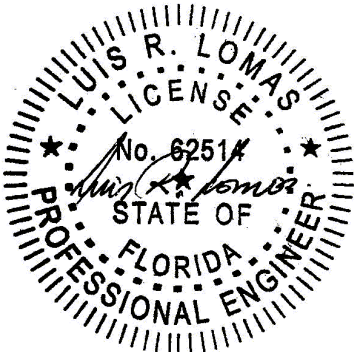
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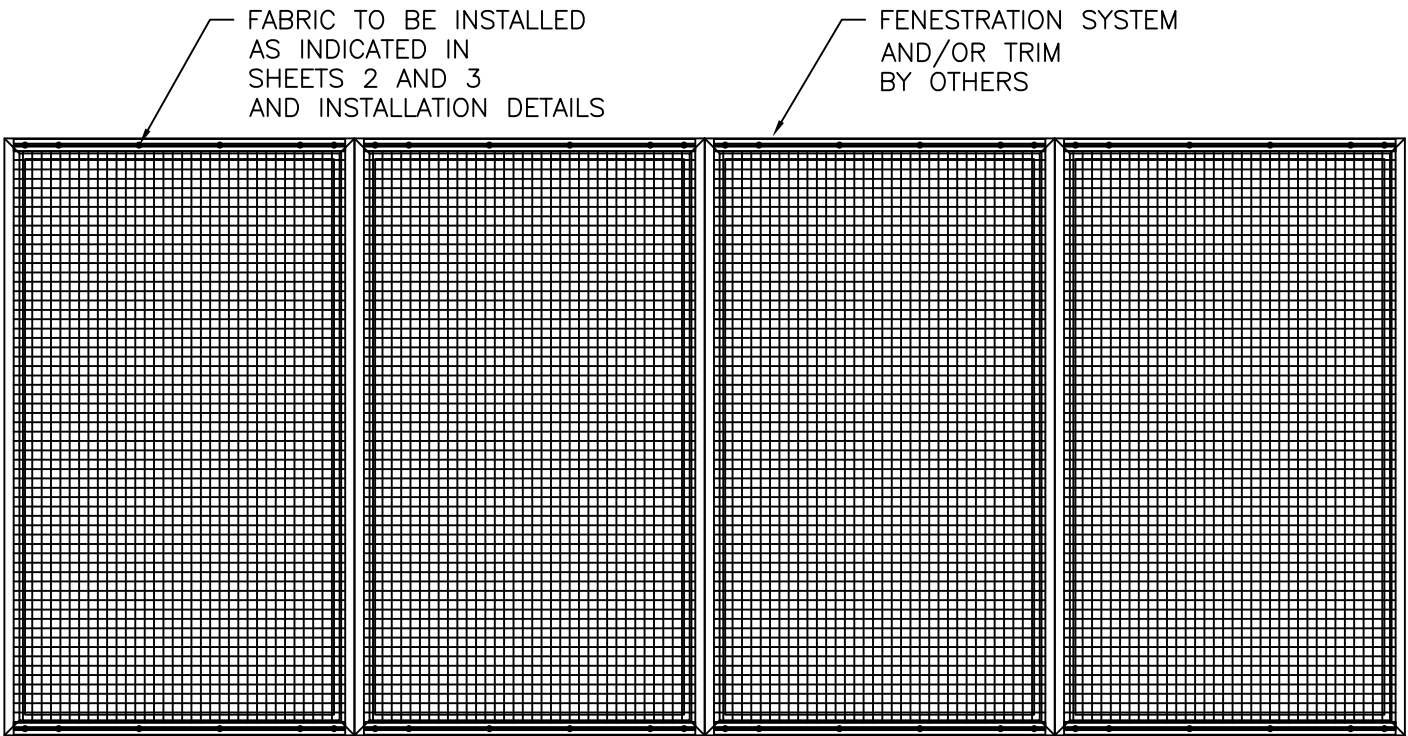
DATE 12/11/18

SHEET 3 OF 11

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

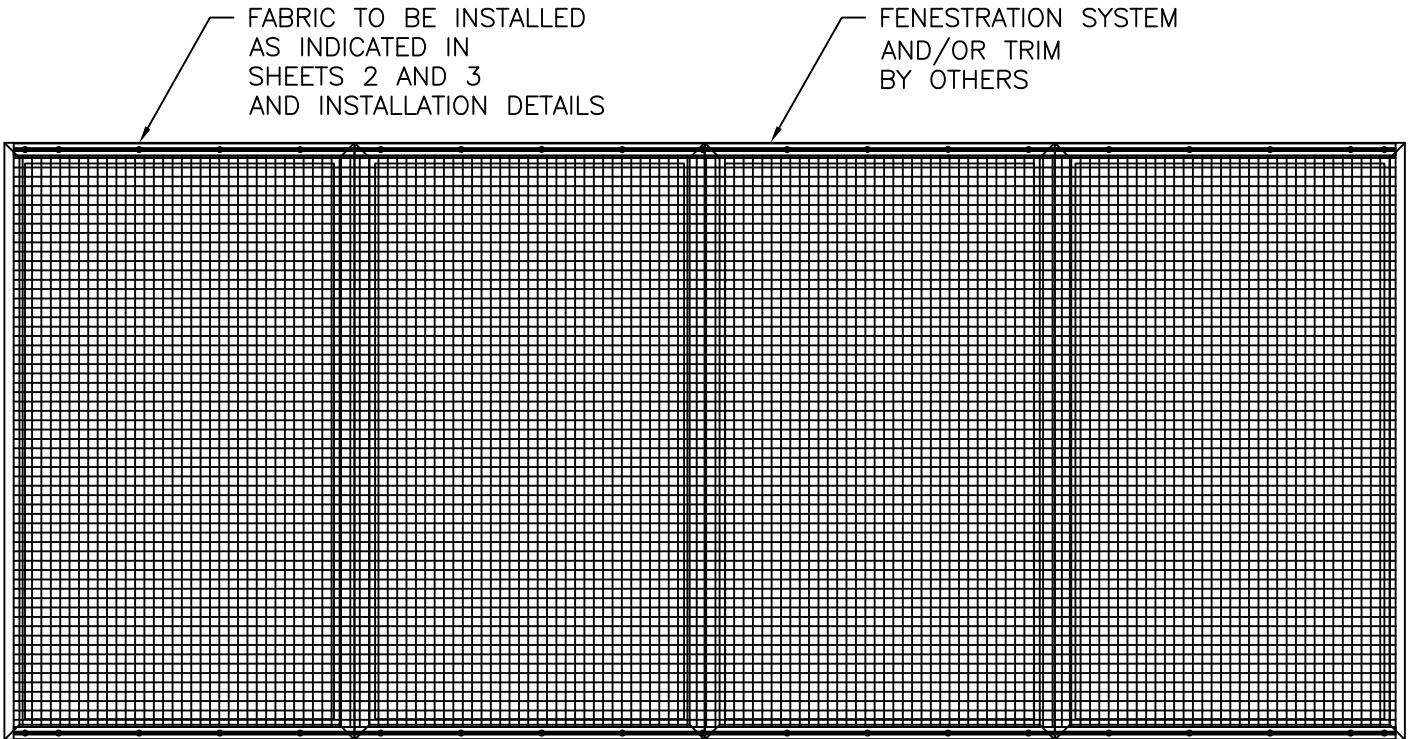


Luis R. Lomas P.E.
FL No.: 62514



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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630 SKYLARK DRIVE SUITE U
CHARLESTON , SC 29407

MUHLER STORM COVERING
LARGE AND SMALL MISSILE IMPACT
MULTIPLE INSTALLATION ELEVATION

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SCALE NTS

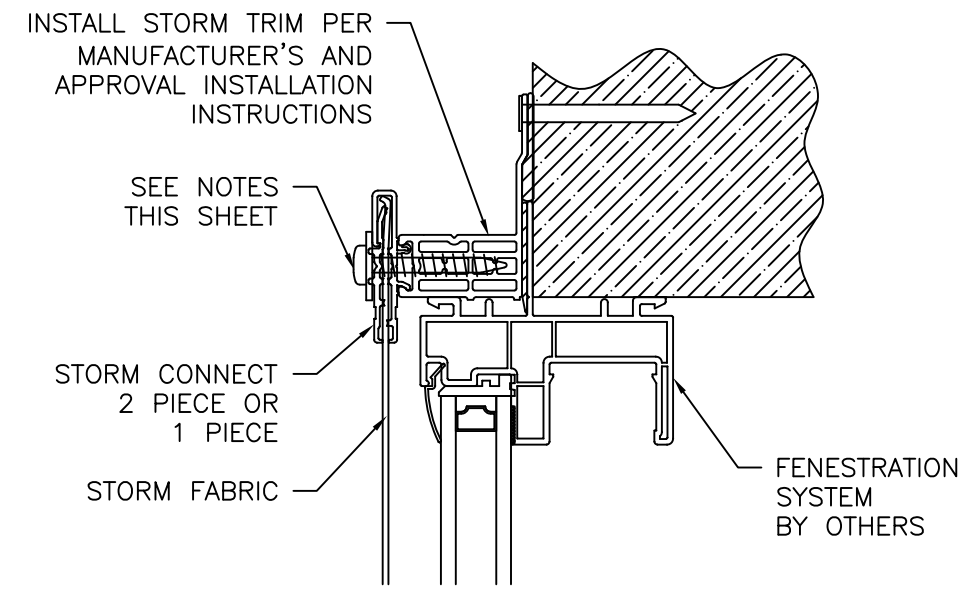
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SHEET 4 OF 11

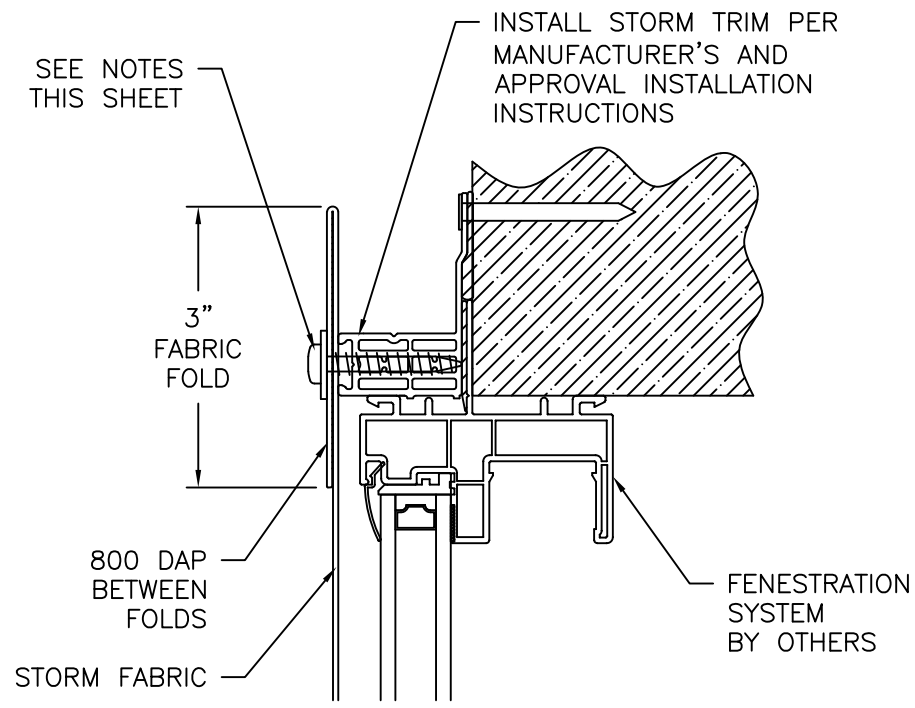
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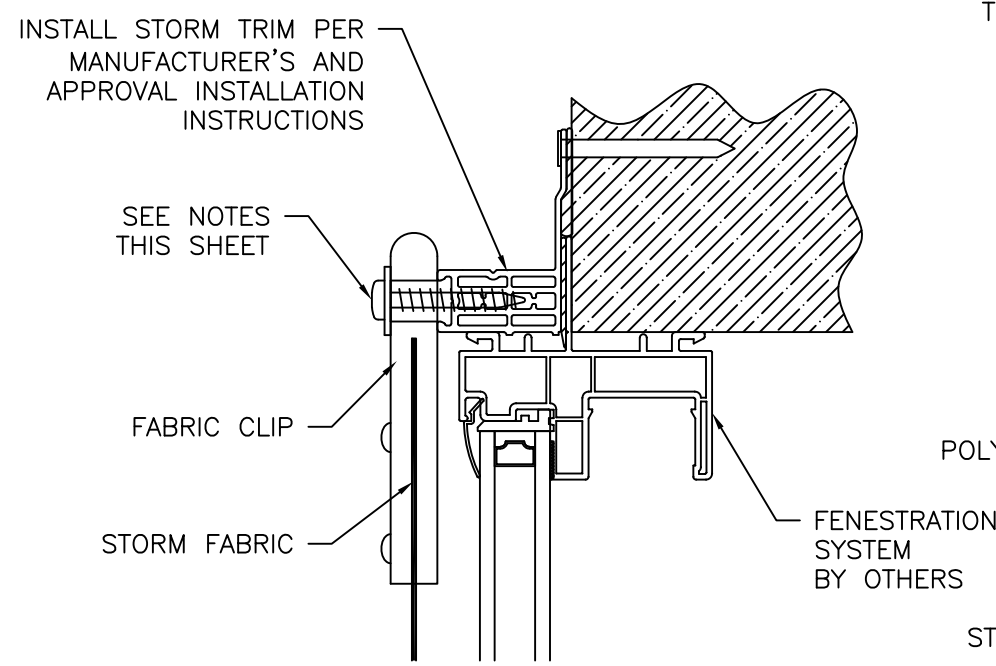


FABRIC INSTALLATION
WITH STORM CONNECT SYSTEM

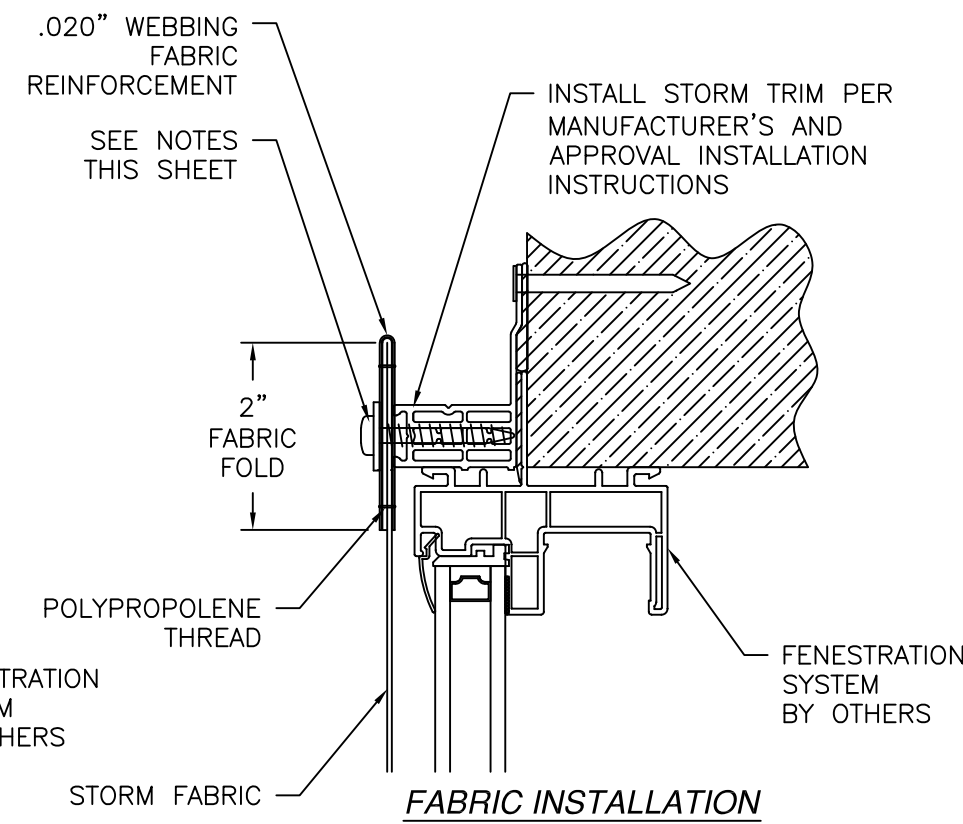


FABRIC INSTALLATION
WITH FABRIC FOLDING

- 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.



FABRIC INSTALLATION
WITH FABRIC CLIP



FABRIC INSTALLATION
WITH FABRIC FOLDING REINFORCEMENT

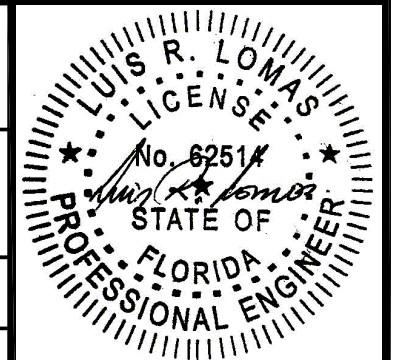
THE MUHLER COMPANY
630 SKYLARK DRIVE SUITE U
CHARLESTON , SC 29407

MUHLER STORM COVERING
LARGE AND SMALL MISSILE IMPACT
INSTALLATION DETAILS

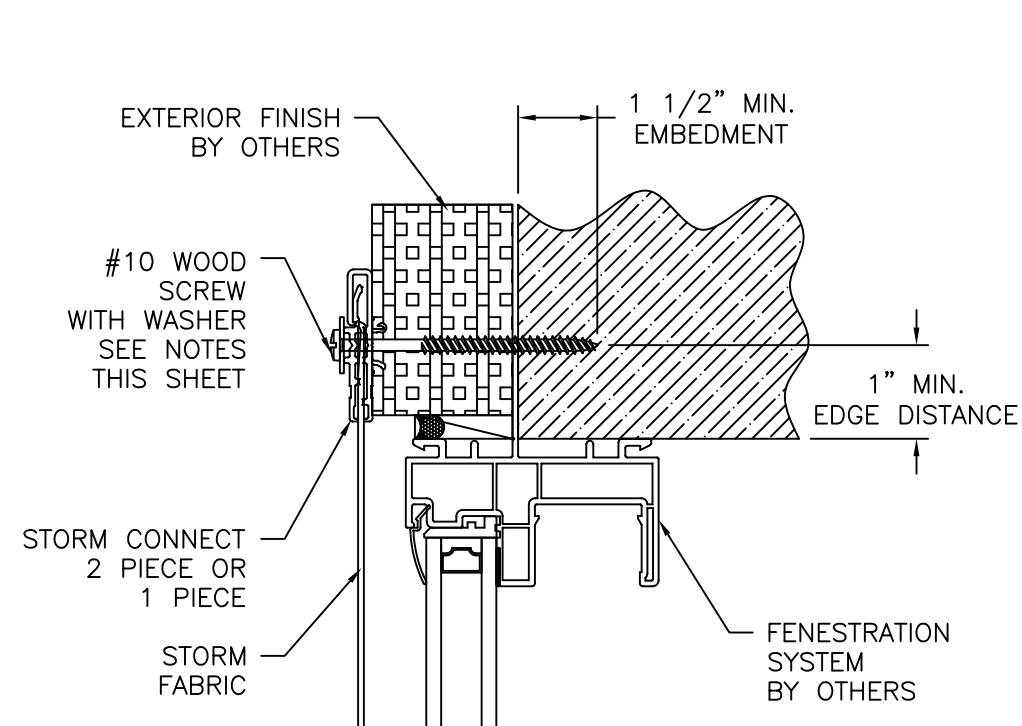
DRAWN: A.R.	DWG NO. 08-03362	REV B
SCALE NTS	DATE 12/11/18	SHEET 5 OF 11

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208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

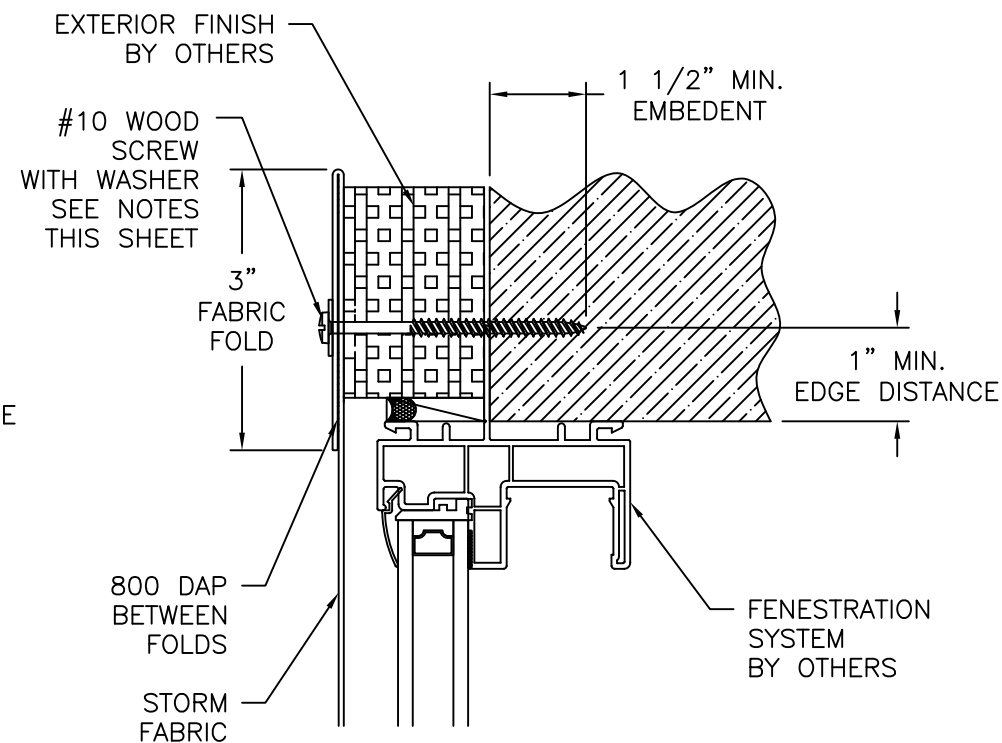
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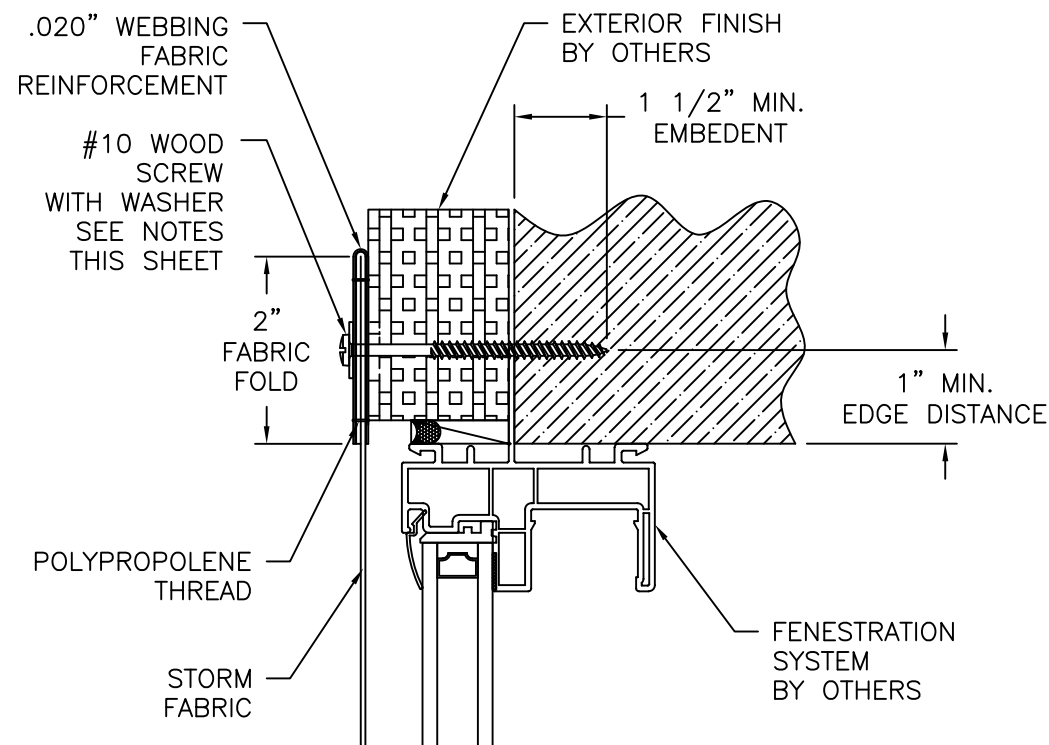
Luis R. Lomas P.E.
FL No.: 62514



FABRIC INSTALLATION
WITH STORM CONNECT SYSTEM W/WOOD SCREW



FABRIC INSTALLATION
WITH FABRIC FOLDING W/WOOD SCREW



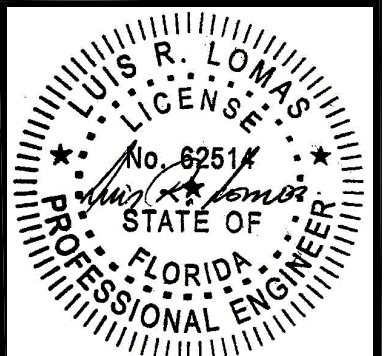
FABRIC INSTALLATION
WITH FABRIC FOLDING REINFORCEMENT W/WOOD SCREW

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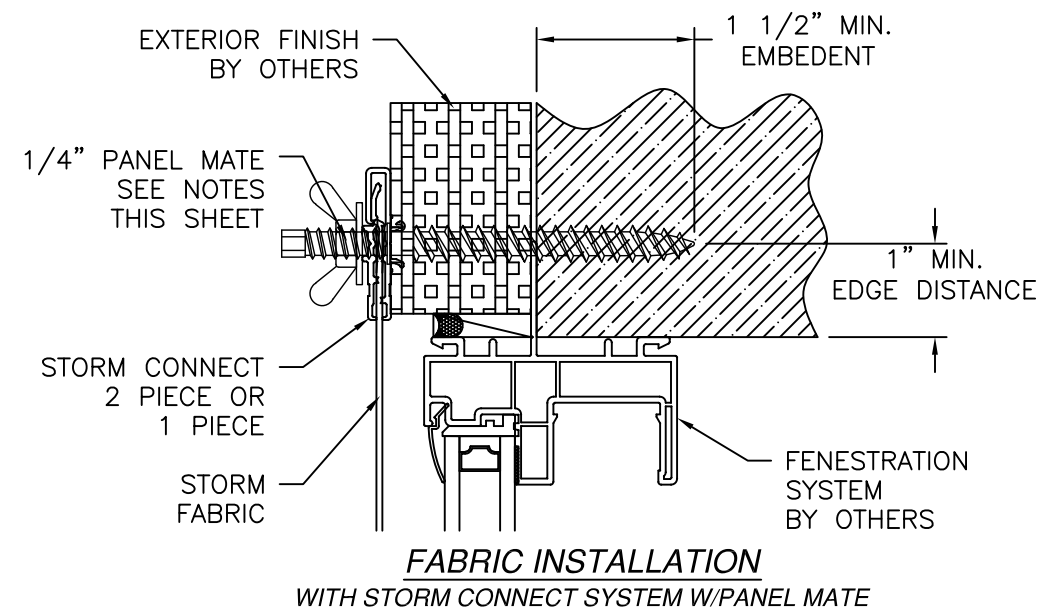
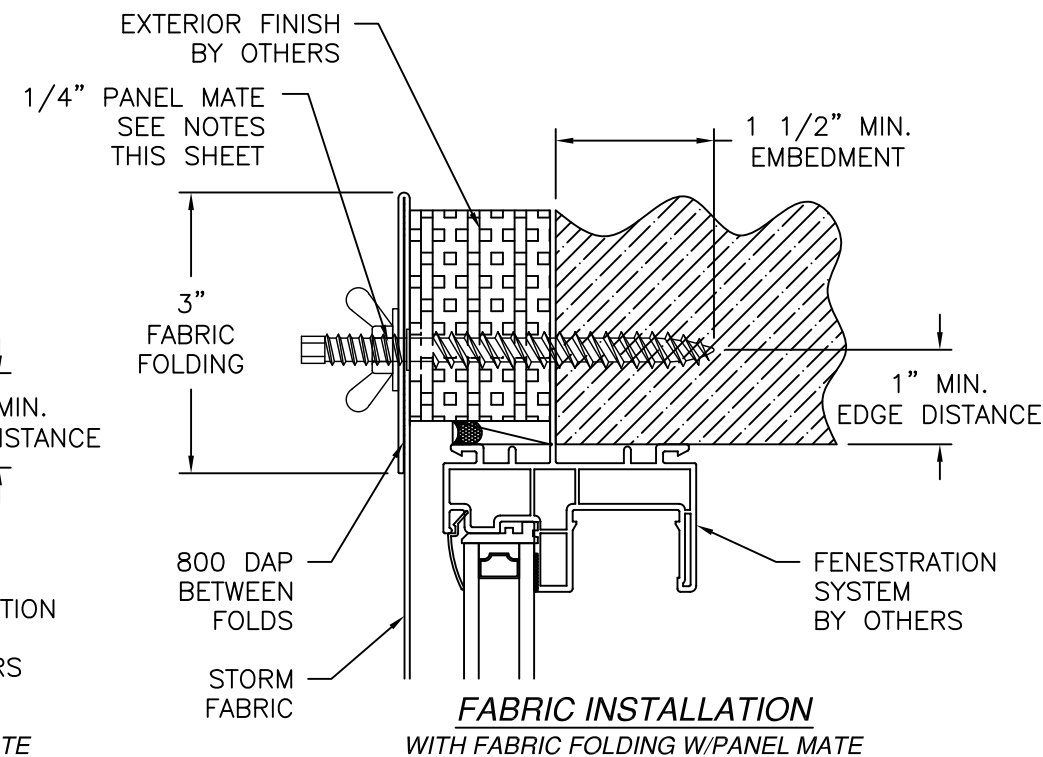
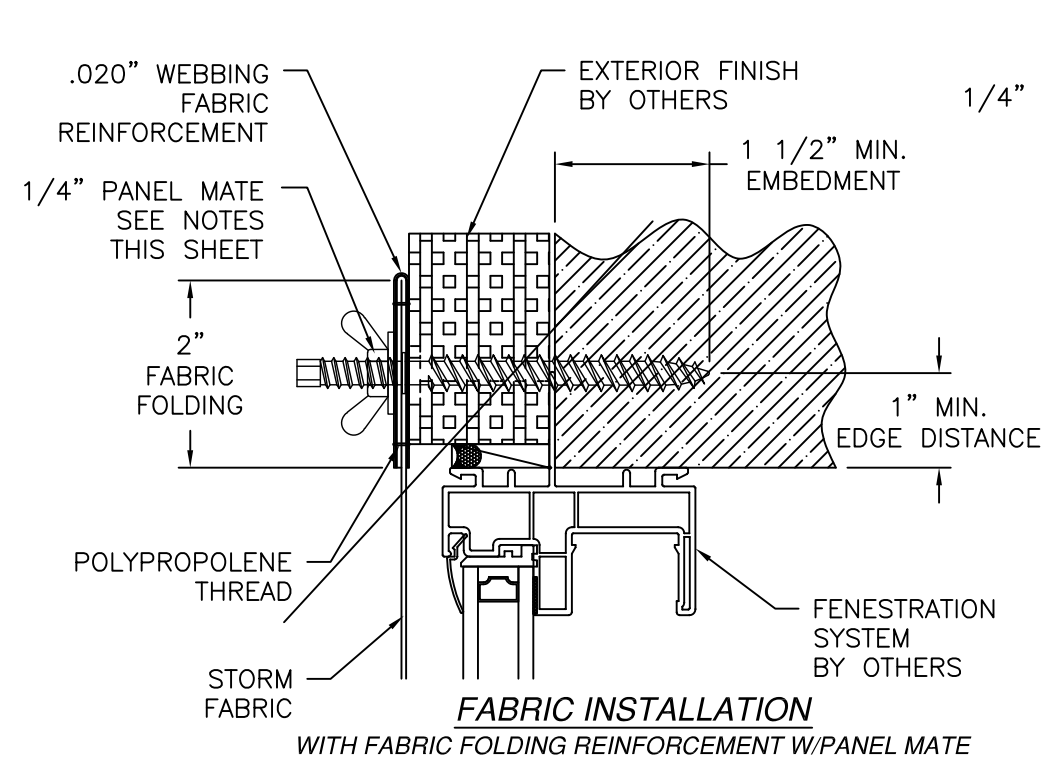
NOTES:
ANCHORS QUALIFIED TO BE USED:
1. #10 WOOD SCREW WITH WASHER WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE.

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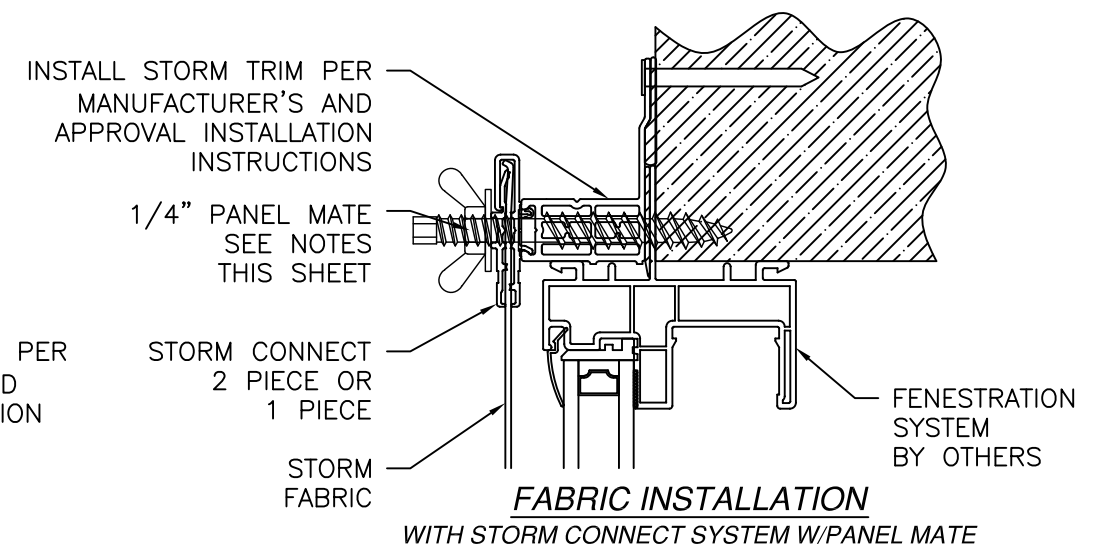
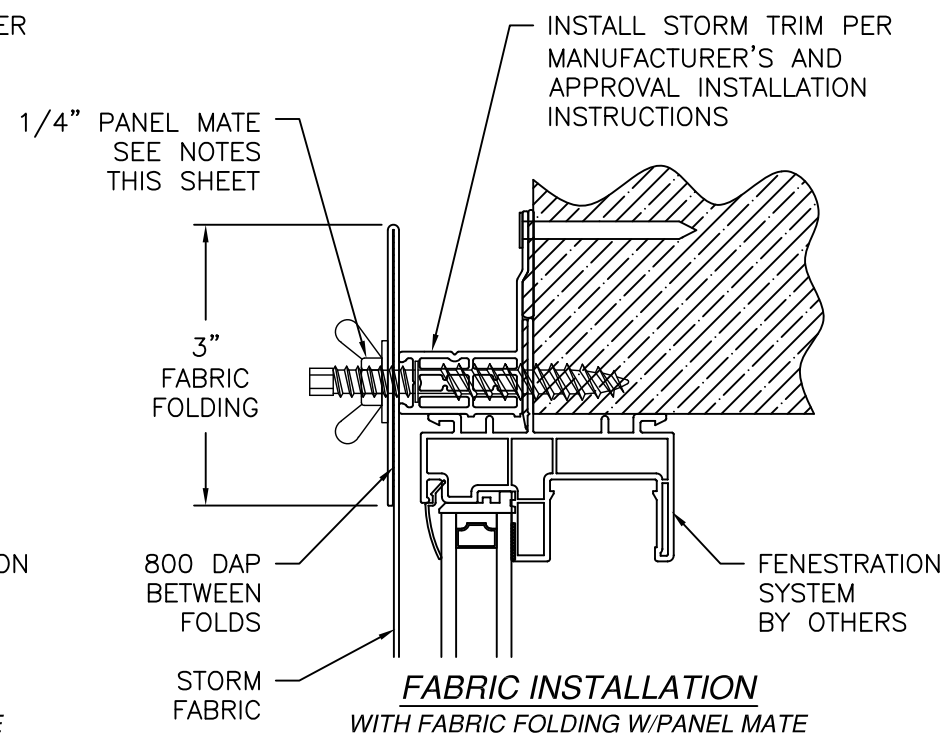
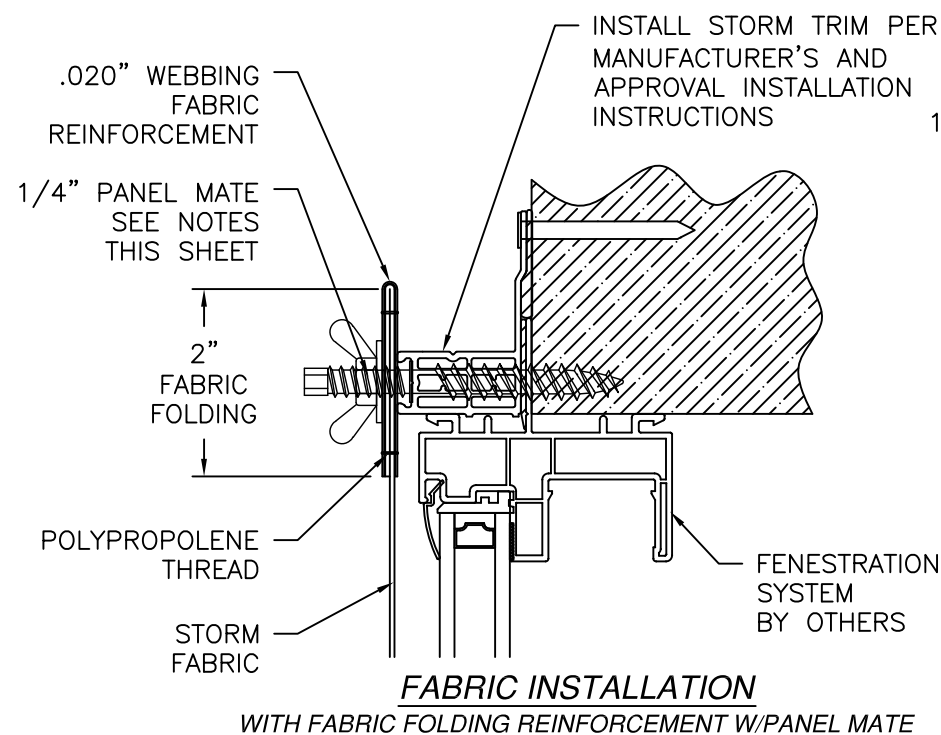
THE MUHLER COMPANY 630 SKYLARK DRIVE SUITE U CHARLESTON , SC 29407		
MUHLER STORM COVERING LARGE AND SMALL MISSILE IMPACT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03362	REV B
SCALE NTS	DATE 12/11/18	SHEET 6 OF 11
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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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.



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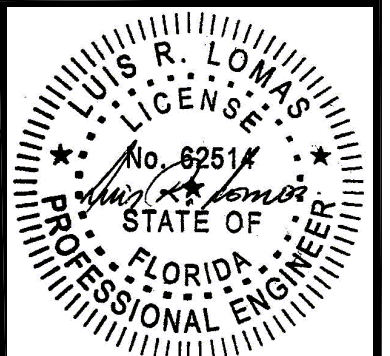
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CHARLESTON, SC 29407

MUHLER STORM COVERING
LARGE AND SMALL MISSILE IMPACT
INSTALLATION DETAILS

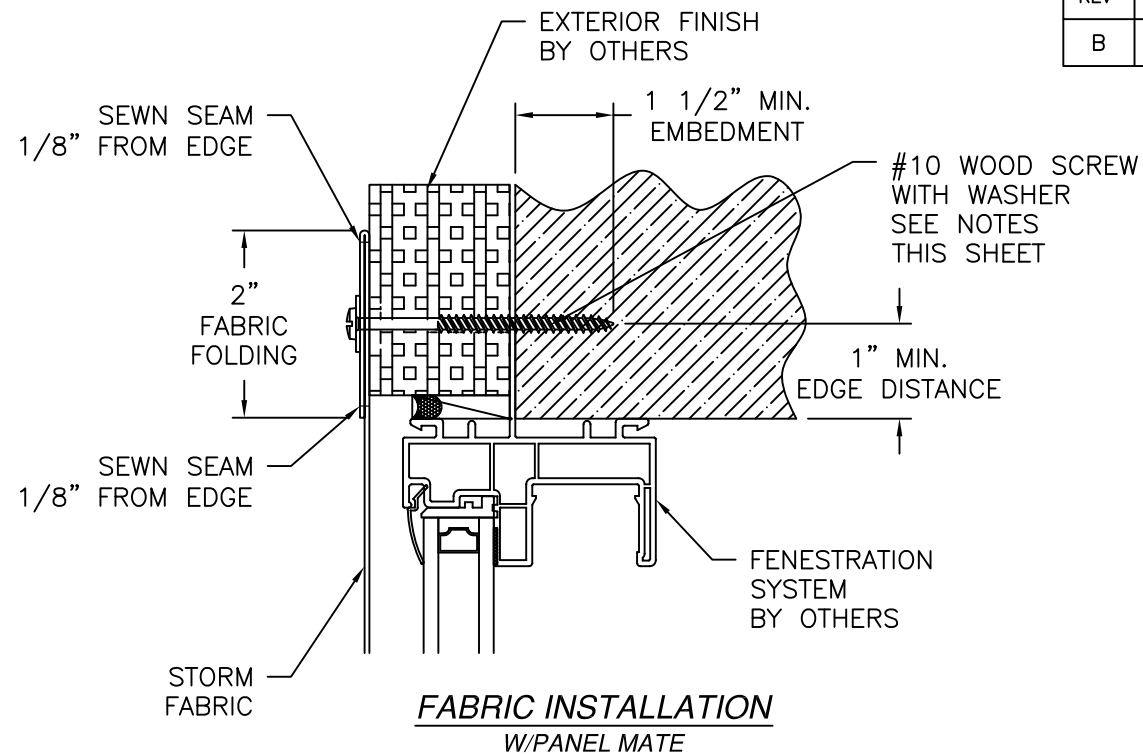
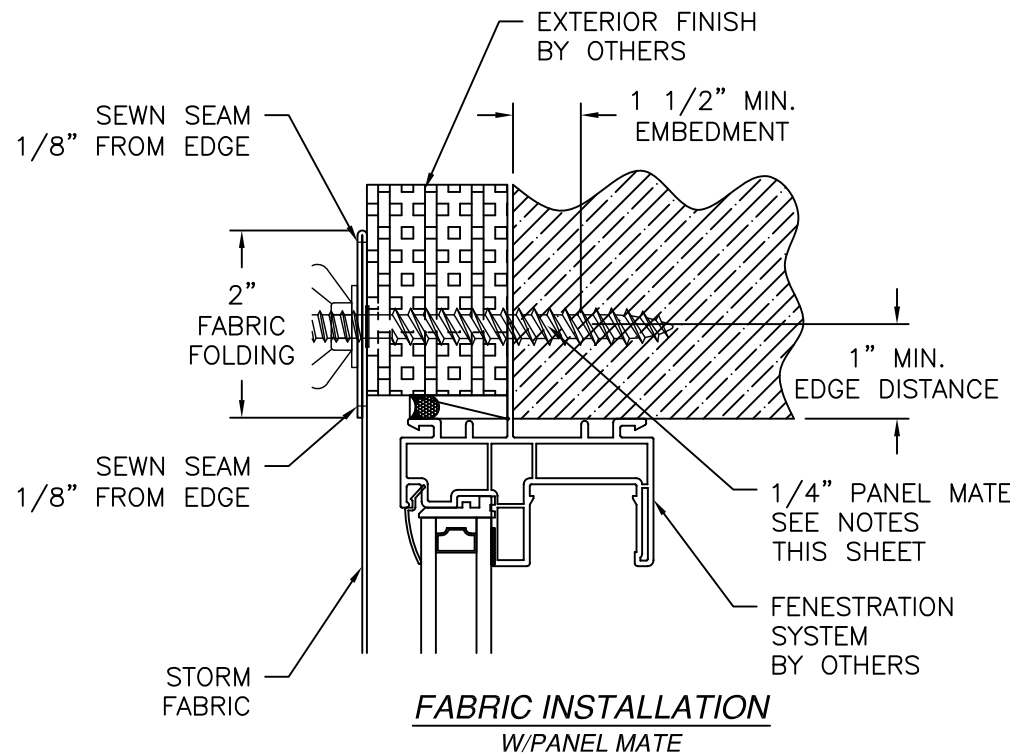
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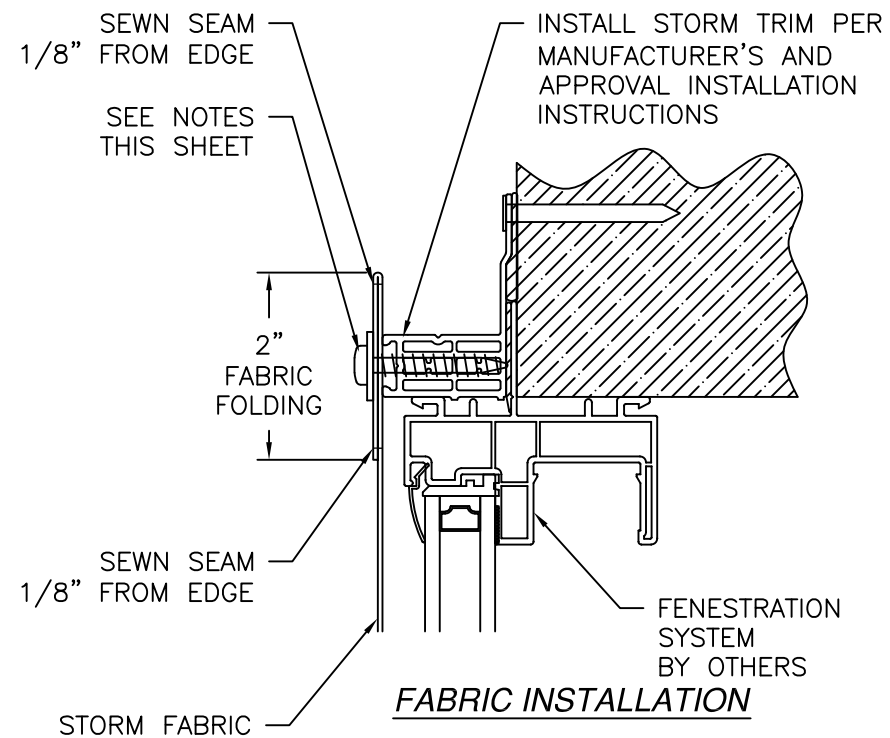
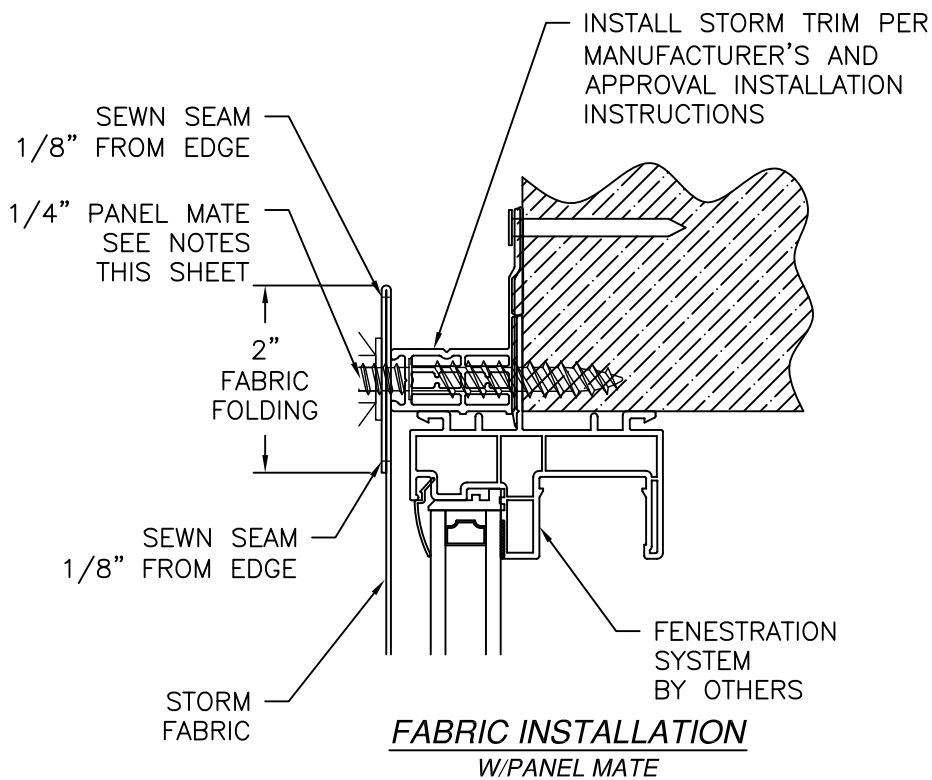
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- NOTES:
ANCHORS QUALIFIED TO BE USED:
1. M6-265 X 1 7/16" TORX T-25 PH SCREW WITH FLAT WASHER
 2. HILMAN MULTIMATERIAL SCREW HEX/TORX HEAD 1/4" X 1 1/4" WITH 1" WASHER
 3. #10 X 1 1/2" PTH VINYL HOLD SCREW WITH 1" WASHER
 4. 1/4" PANEL MATE WITH SUFFICIENT 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.



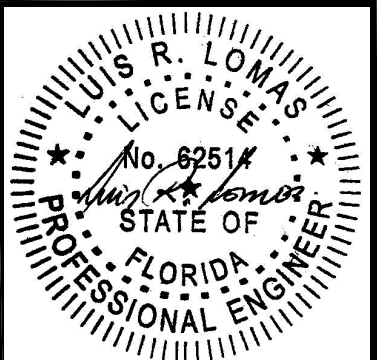
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LARGE AND SMALL MISSILE IMPACT
INSTALLATION DETAILS

DRAWN: A.R. DWG NO. 08-03362 REV B
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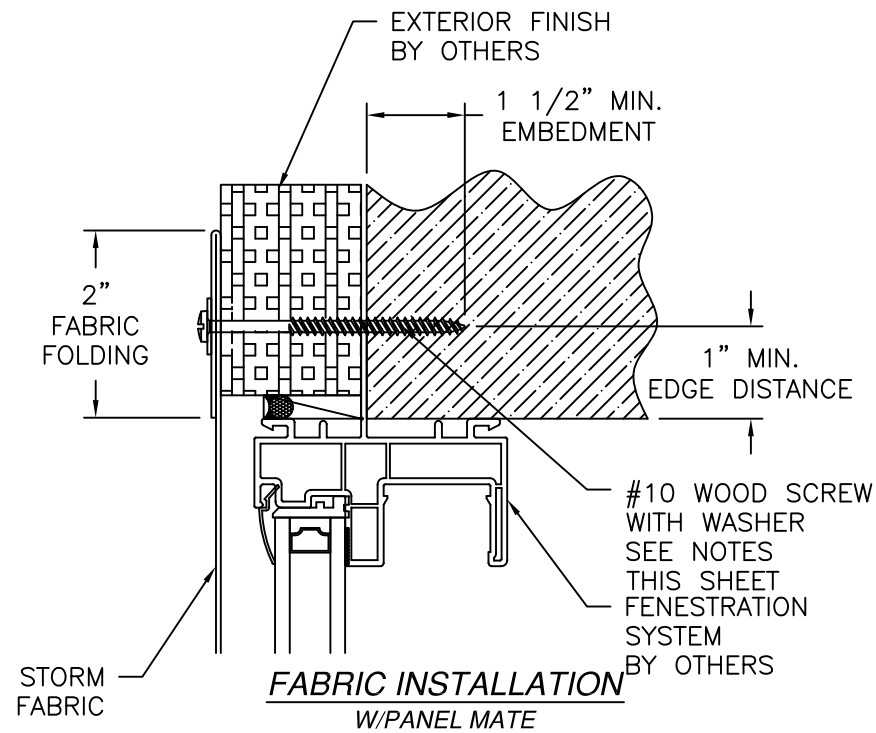
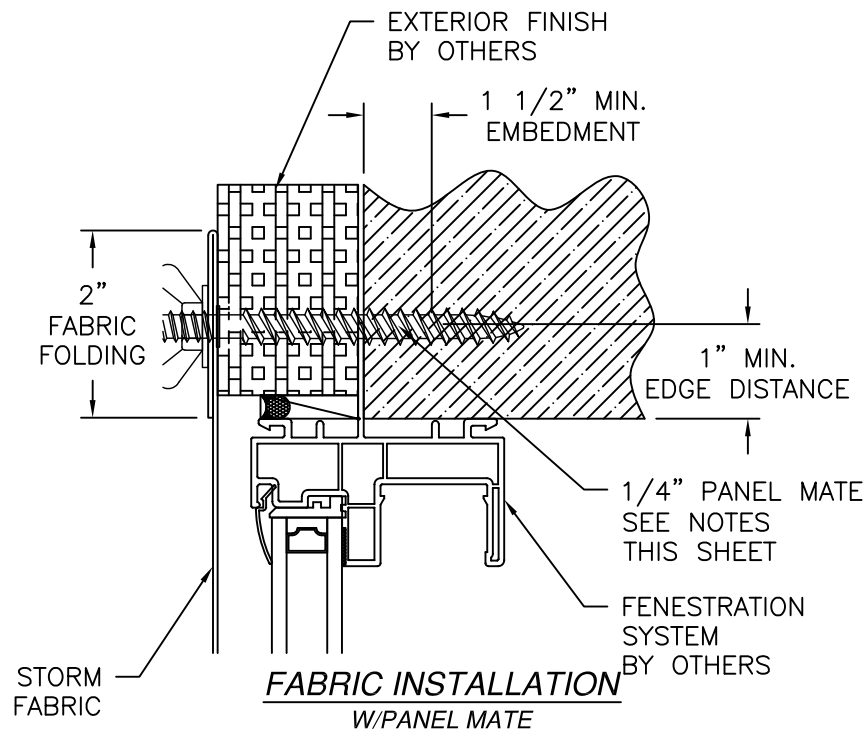
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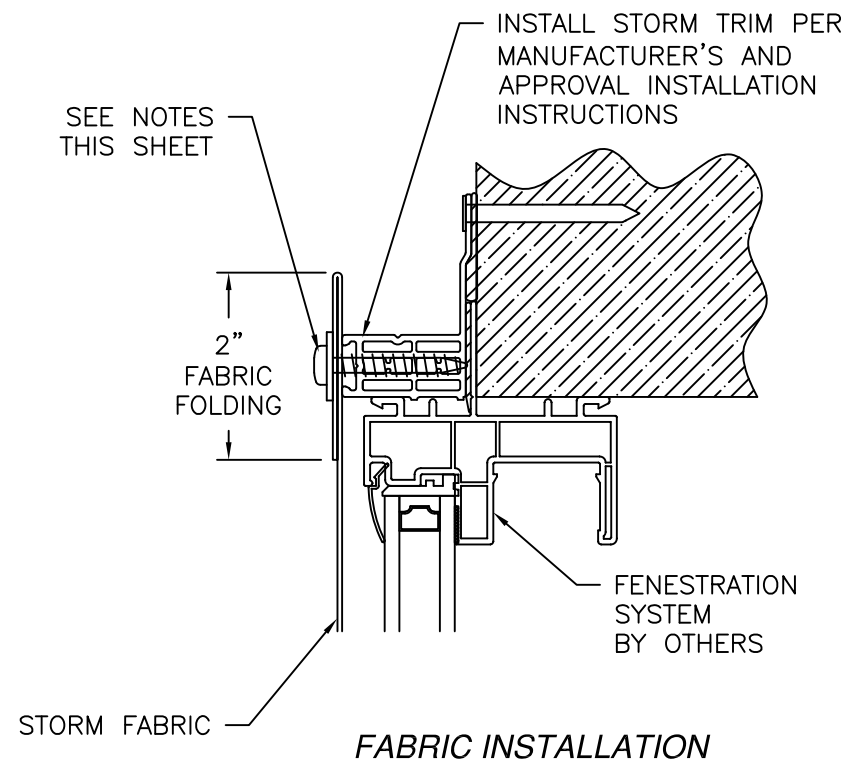
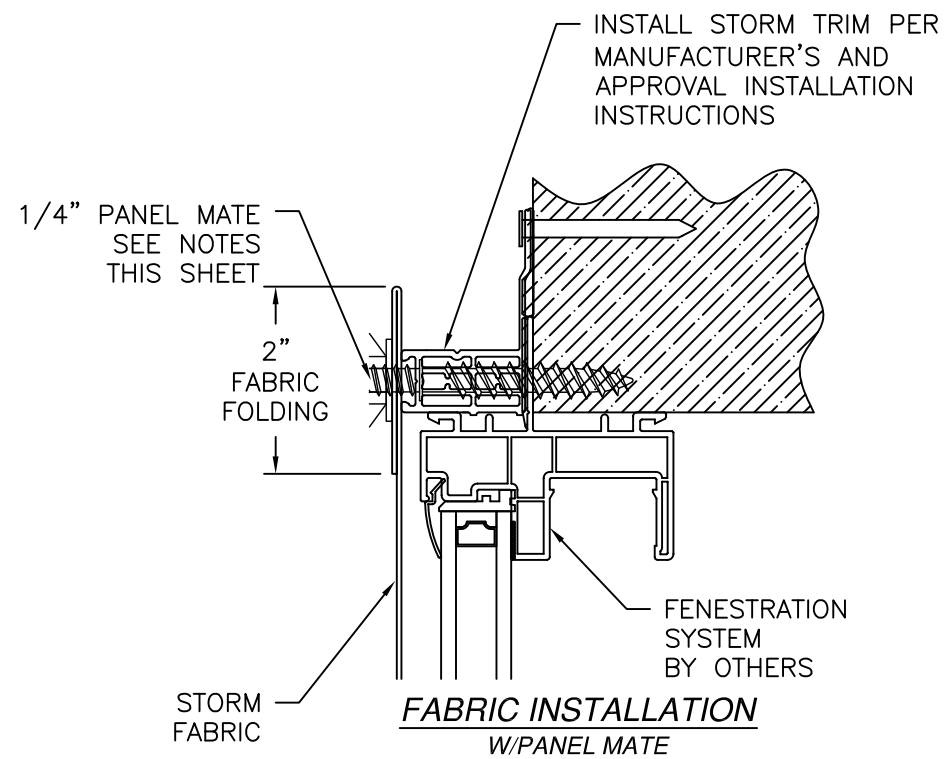


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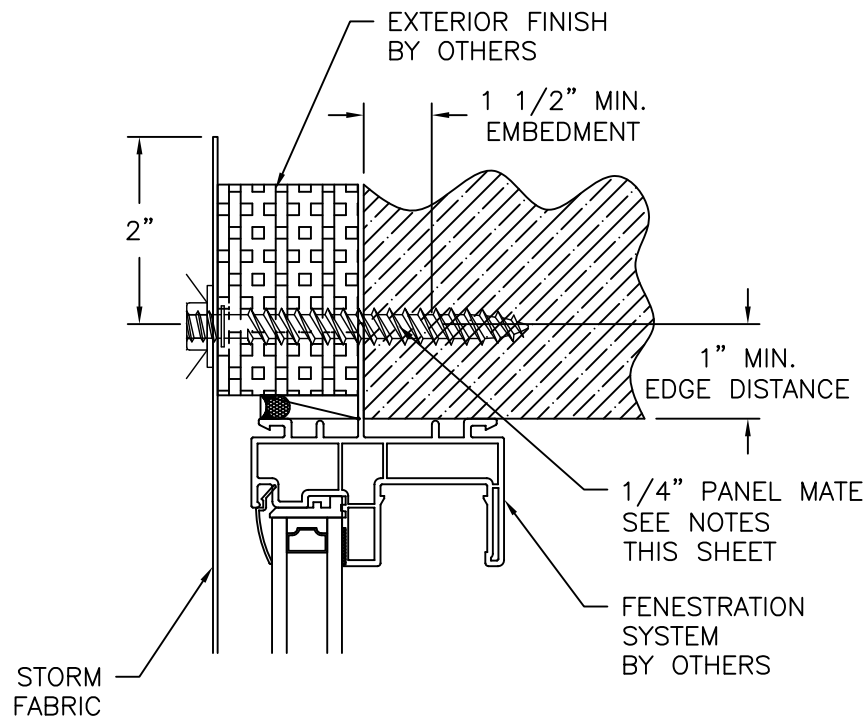


THE MUHLER COMPANY 630 SKYLARK DRIVE SUITE U CHARLESTON , SC 29407		
MUHLER STORM COVERING LARGE AND SMALL MISSILE IMPACT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03362	REV B
SCALE NTS	DATE 12/11/18	SHEET 9 OF 11
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

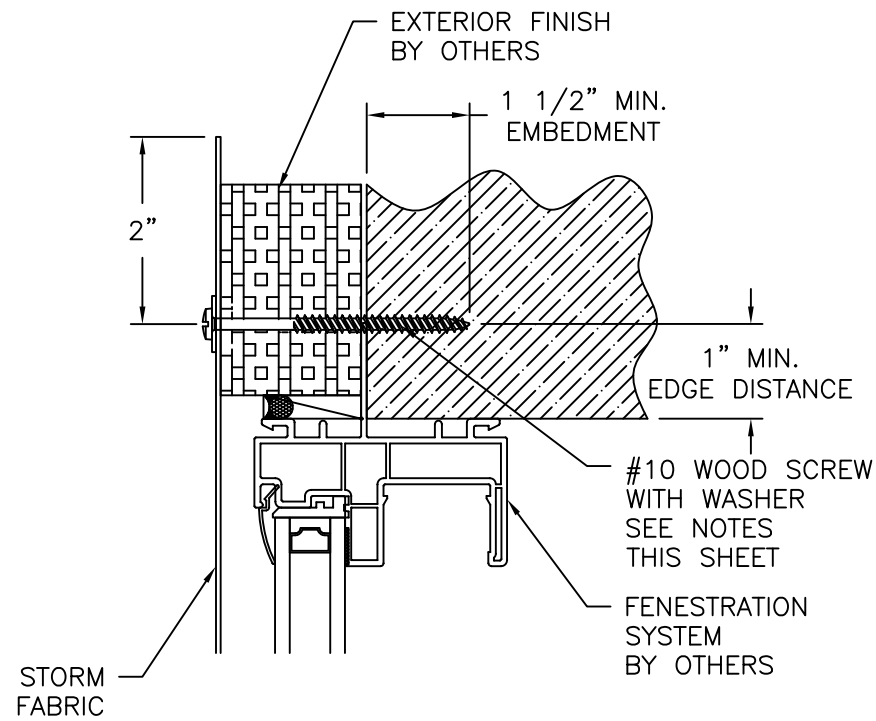
SIGNED: 09/02/2026

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

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

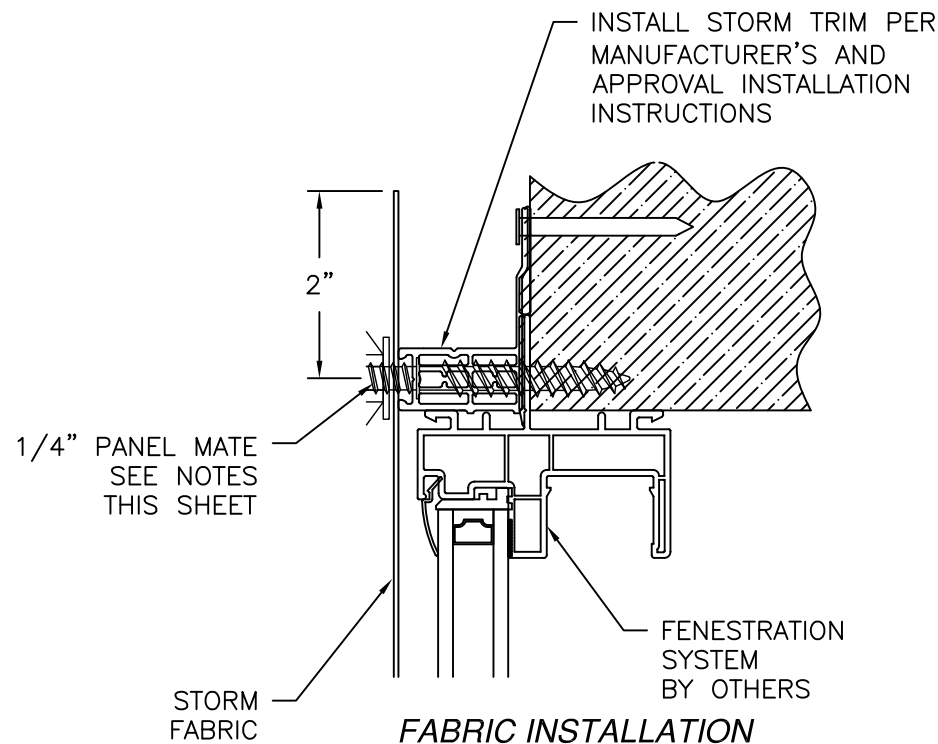


FABRIC INSTALLATION
W/PANEL MATE

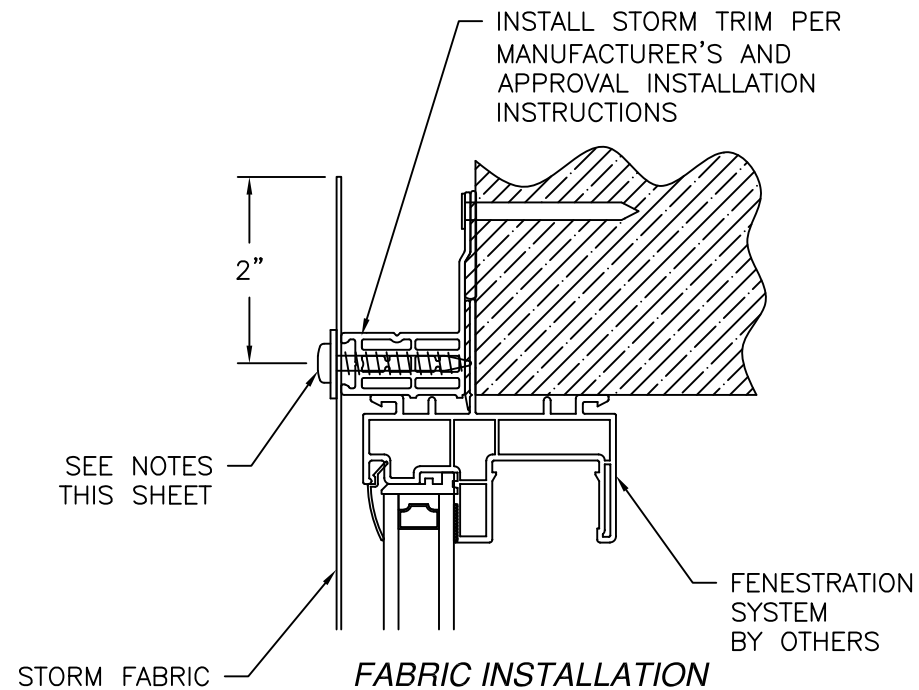


FABRIC INSTALLATION
W/PANEL MATE

- 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.



FABRIC INSTALLATION
W/PANEL MATE



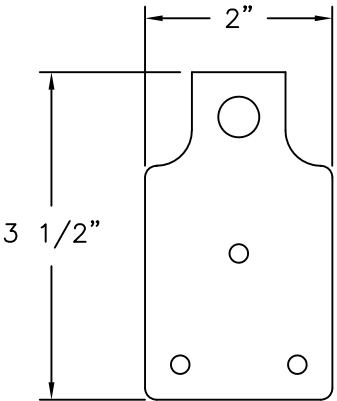
FABRIC INSTALLATION

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. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

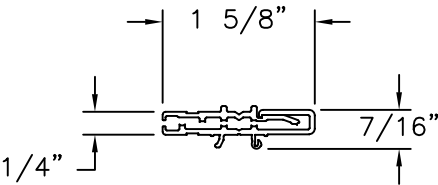
SIGNED: 09/02/2026

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

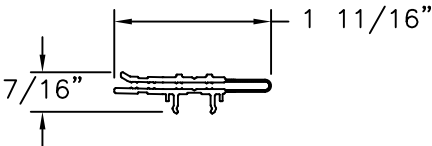
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED INSTALLATION DETAILS & CHARTS	10/11/2022	R.L.



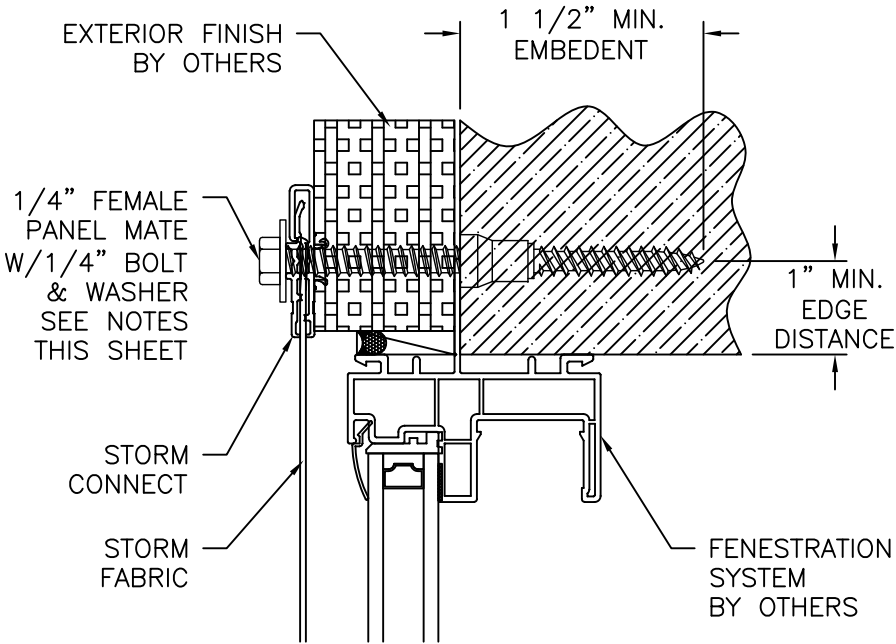
FABRIC CLIP
PLASTIC, BY TOWN & COUNTRY



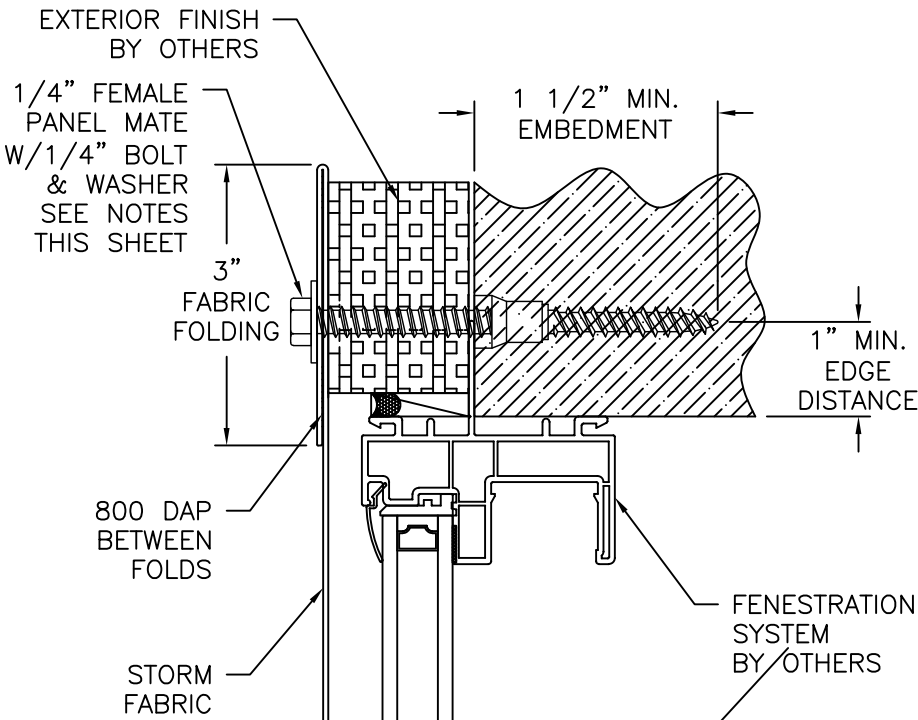
STORM CONNECT 2 PIECE
VINYL, BY MUHLER



STORM CONNECT 1 PIECE
VINYL, BY MUHLER



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

SIGNED: 09/02/2026

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
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SCALE
NTS

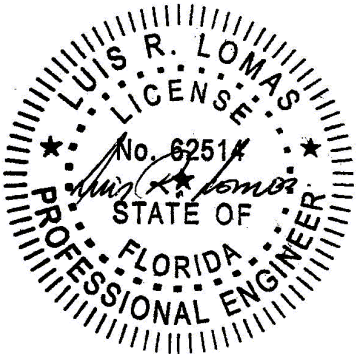
DATE
12/11/18

SHEET
11 OF 11

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com



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