

FORTRESS SCREENS, LLC

28FX ALUMINUM FRAMED IMPACT SCREEN

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR FOR EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR INSTALLATION OF FRAME OR TUBE DIRECTLY INTO CONCRETE OR MASONRY, USE 1/4 INCH DIAMETER ITW TAPCON OF SUFFICIENT LENGTH TO ACHIEVE 1-1/4 INCH MINIMUM EMBEDMENT.
- FOR INSTALLATION OF FRAME OR TUBE DIRECTLY INTO WOOD FRAME, USE 1/4" LAG SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2" INCH MINIMUM EMBEDMENT.
- FOR INSTALLATION OF FRAME TO TUBE , USE #12 X 3/4" HEX HEAD SMS SPACED 3" FROM CORNERS AND 6" ON CENTER MAXIMUM THEREAFTER.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI
 - GROUT-FILLED CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE RER.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- FRAME MATERIAL: ALUMINUM 6005-T6
SCREEN MATERIAL: 304 SS
- DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED IN ACCORDANCE WITH THE FBC.
- A MINIMUM GLASS SEPARATION DISTANCE OF 4" SHALL BE PROVIDED FOR ALL INSTALLATIONS WITHIN THE HVHZ. A MINIMUM GLASS SEPARATION DISTANCE OF 1" SHALL BE PROVIDED FOR ALL INSTALLATIONS OUTSIDE THE HVHZ.

DESIGN PRESSURE RATING		
OVERALL SIZE	DESIGN PRESSURE	MISSILE IMPACT RATING
61.5" X 144.5"	+80.0/-70.5 PSF	LARGE MISSILE IMPACT (50 FPS)

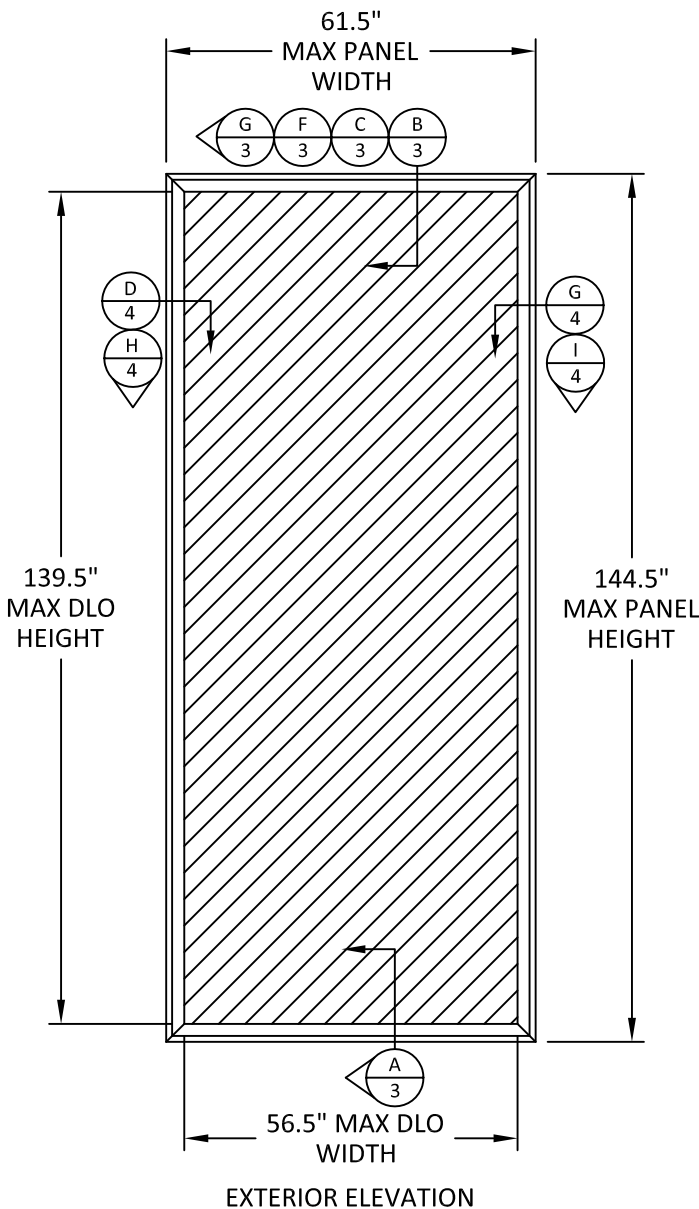


TABLE OF CONTENTS		
SHEET	REVISION	SHEET DESCRIPTION
1	-	ELEVATION & GENERAL NOTES
2	-	ANCHOR LOCATIONS
3	-	INSTALLATION DETAILS IN CONCRETE & WOOD FRAME
4	-	INSTALLATION DETAILS IN CONCRETE & WOOD FRAME
5	-	COMPONENTS & BILL OF MATERIALS

Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2020.06.08 11:35:29 -04'00'

PREPARED BY:



BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com

TITLE:
28FX ALUMINUM FRAMED IMPACT SCREEN
ELEVATIONS & GENERAL NOTES

**FORTRESS
SCREENS, LLC**
2251 TOPLINE WAY, UNIT A.1
BROOKSVILLE, FL 34604

REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT



FL# FL32125

DATE: **02.19.20**

DWG. BY:
SM

CHK. BY:
HFN

SCALE: **NTS**

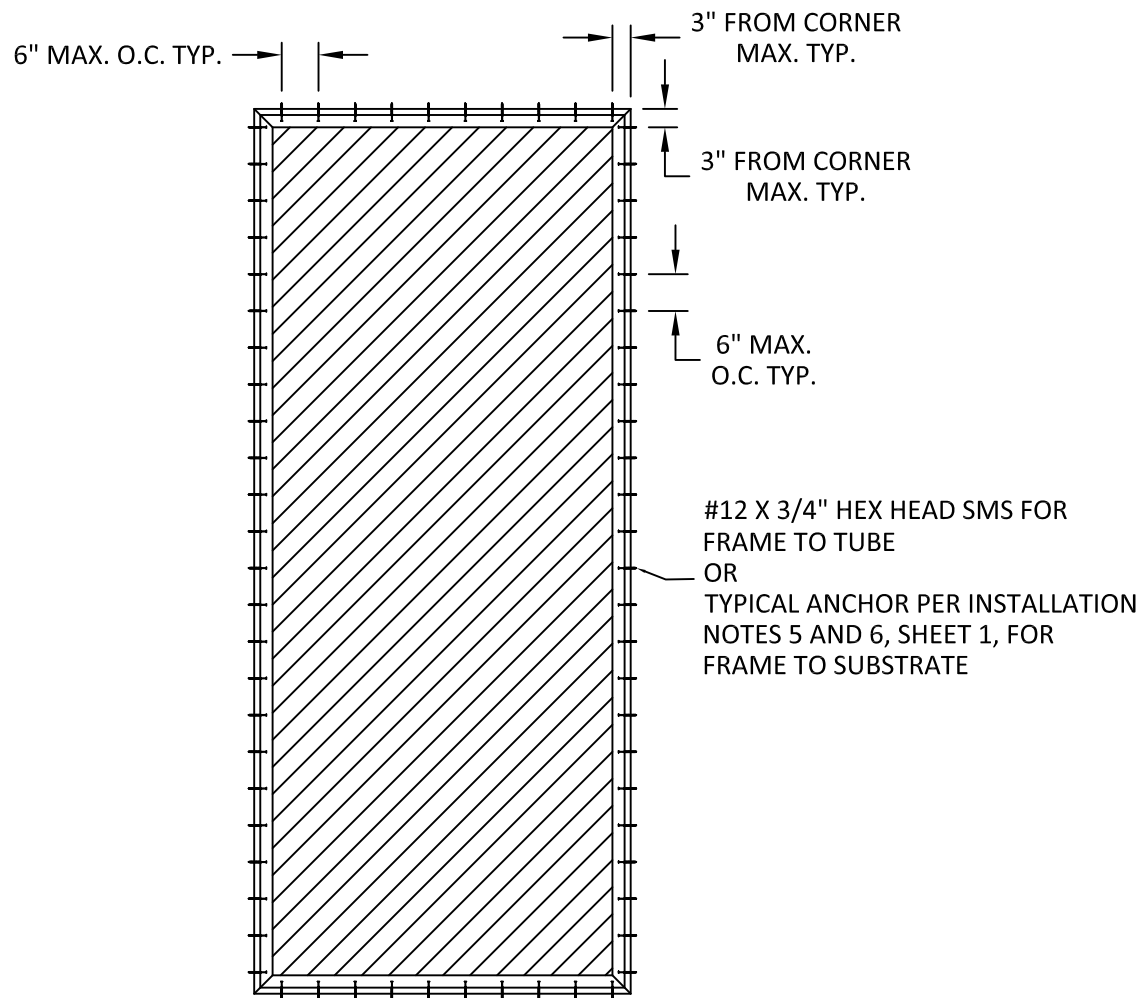
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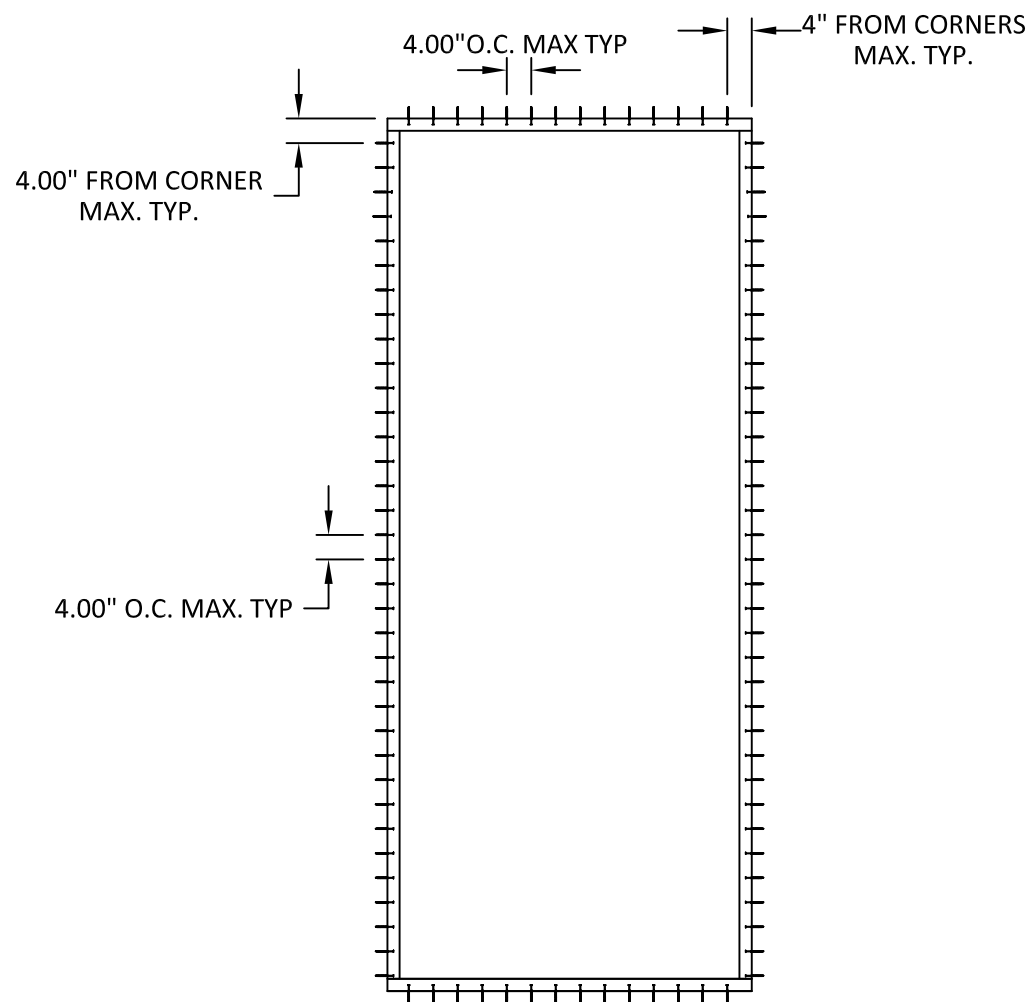
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FRAME TO ALUMINUM TUBE
OR FRAME TO SUBSTRATE ANCHORING
EXTERIOR ELEVATION



ALUMINUM TUBE TO SUBSTRATE/WALL ANCHORING
EXTERIOR ELEVATION

PREPARED BY:



BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com

TITLE:	28FX ALUMINUM FRAMED IMPACT SCREEN
	ANCHOR LOCATIONS
FORTRESS SCREENS, LLC	
2251 TOPLINE WAY, UNIT A.1 BROOKSVILLE, FL 34604	

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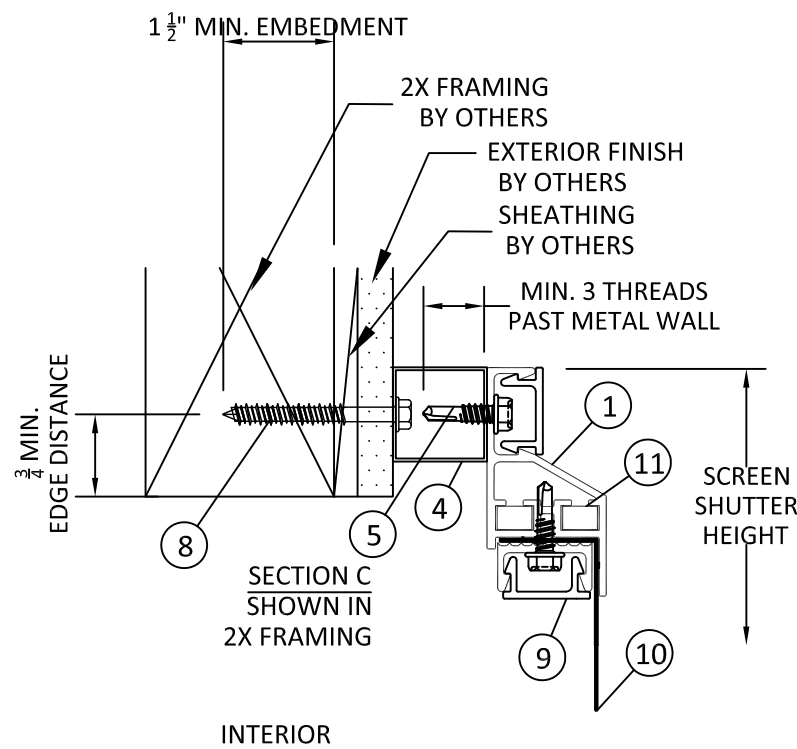
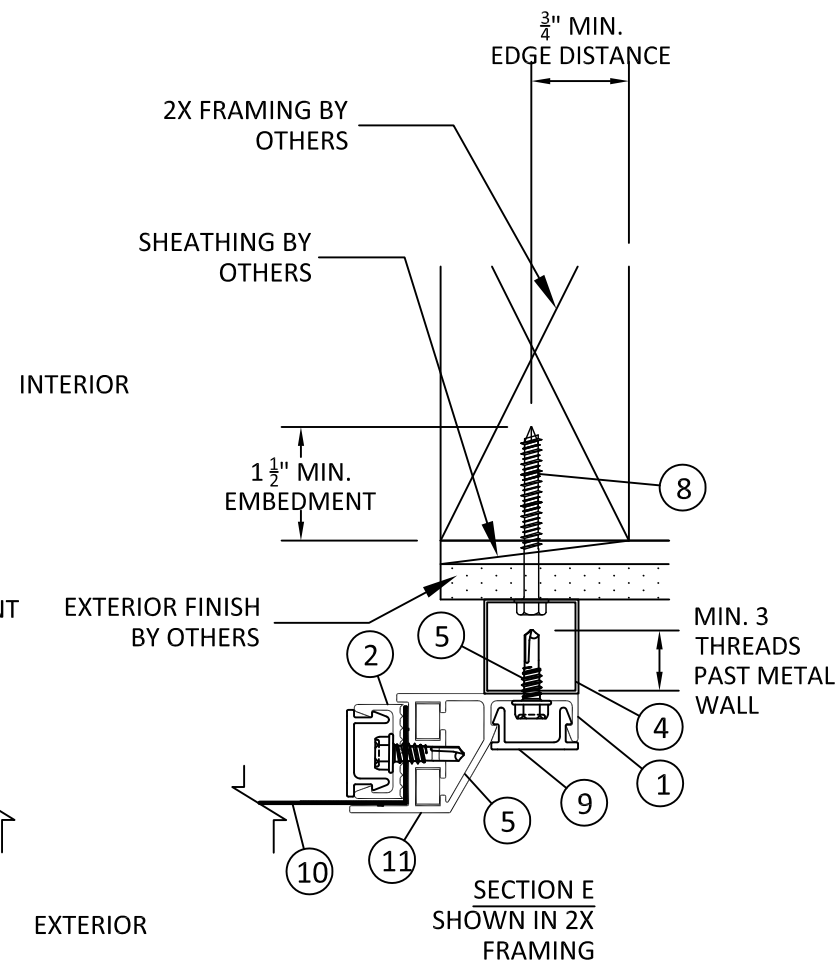
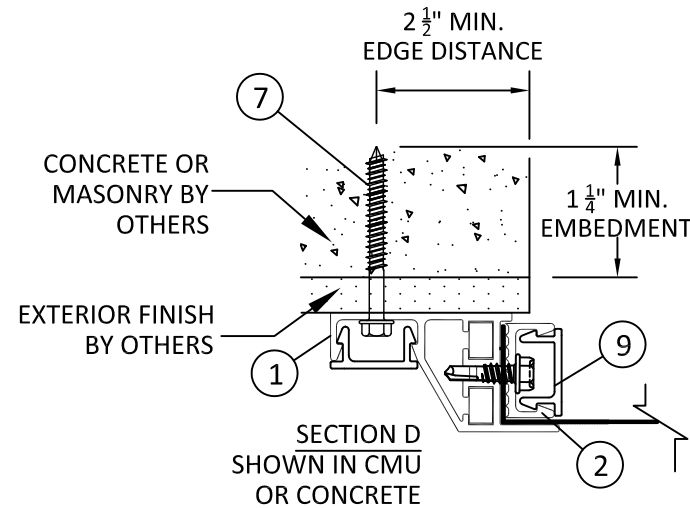
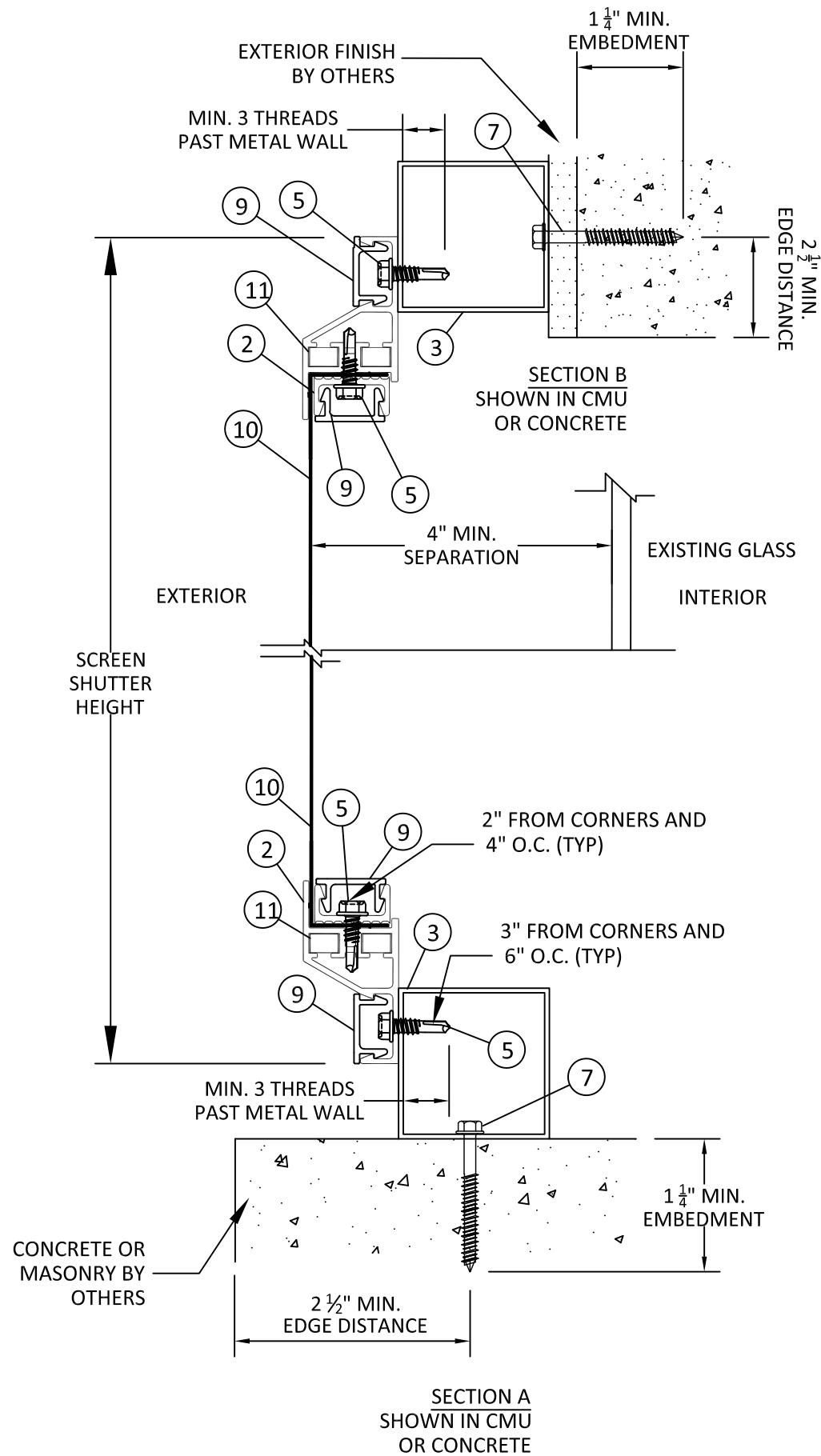
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- NOTE:**
- 2" ALUMINUM TUBE HAS A 1" MIN. EDGE DISTANCE WITH NO SETBACK FROM EDGE OF CONCRETE/ MASONRY AT INSTALLATION.
 - 1" ALUMINUM TUBE HAS A 1" MIN. EDGE DISTANCE WITH 1/2" SETBACK FROM EDGE OF CONCRETE/MASONRY AT INSTALLATION.
 - DIRECT MOUNT TO WALL IS ACCEPTABLE AT ALL SIDES SUCH THAT MINIMUM ANCHOR EMBEDMENT, EDGE DISTANCE AND GLASS SEPARATION IS ACHIEVED.
 - MOUNTING CONDITIONS MAY BE MIXED AS NECESSARY BASED ON OPENING CONDITIONS.

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BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338

DANIA BEACH, FL 33004

PH: (954)399-8478

FAX: (954)744.4738

WEB: www.buildingdrops.com

TITLE:	28FX ALUMINUM FRAMED IMPACT SCREEN	
	VERTICAL SECTIONS	
	FORTRESS SCREENS, LLC	
	2251 TOPLINE WAY, UNIT A.1 BROOKSVILLE, FL 34604	

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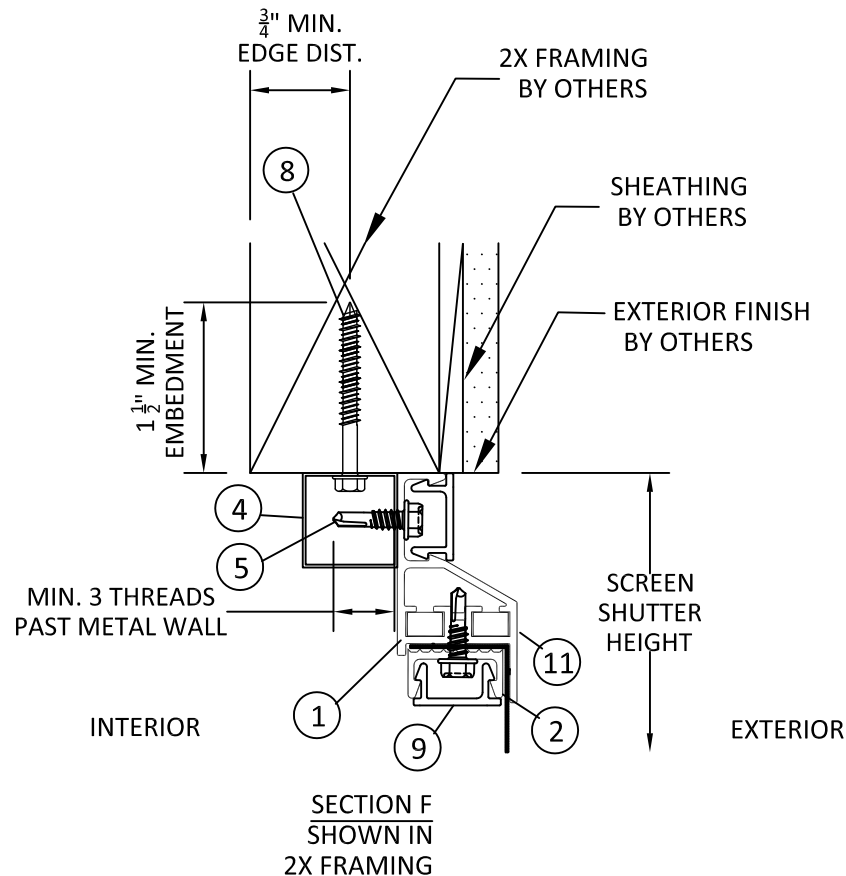
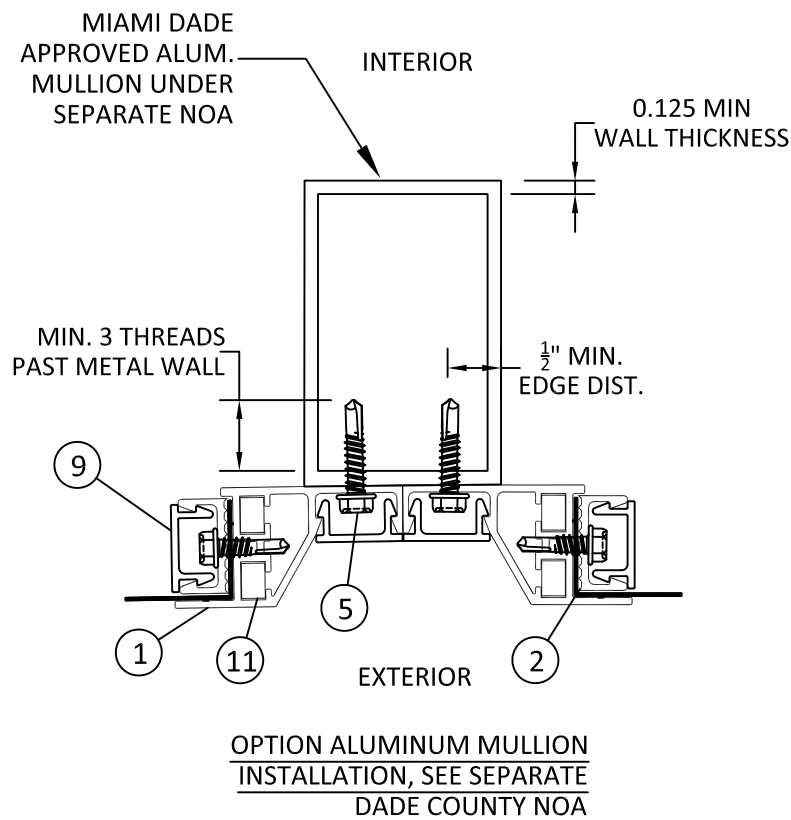
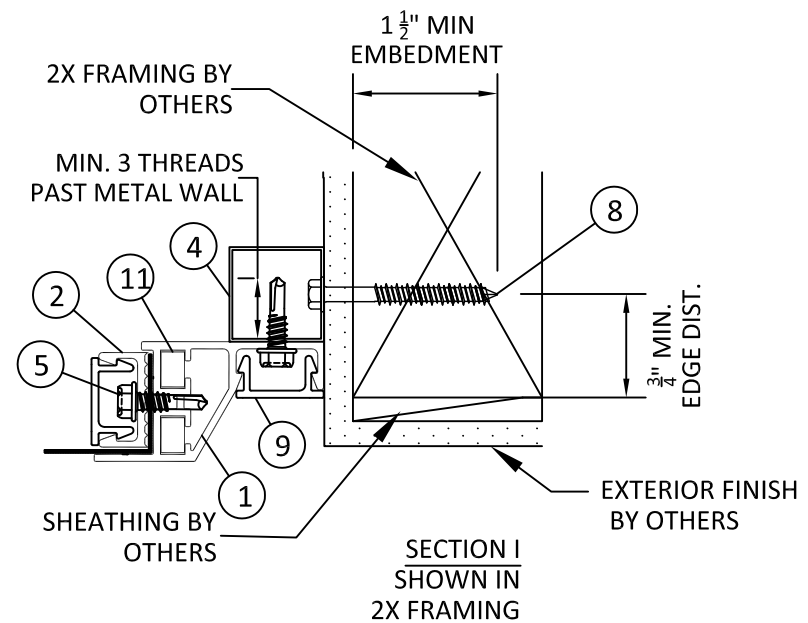
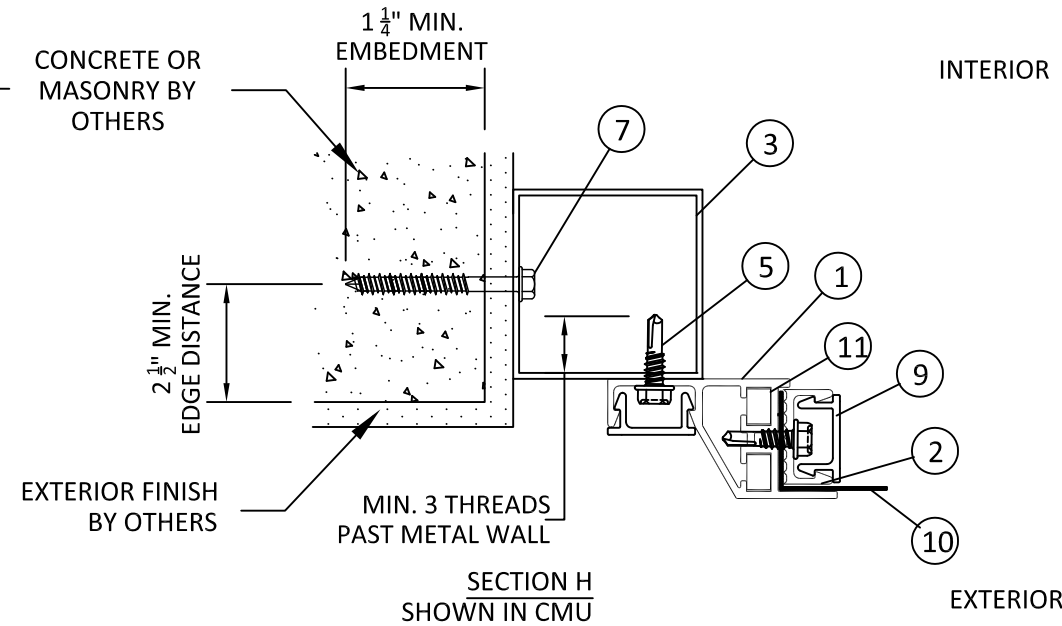
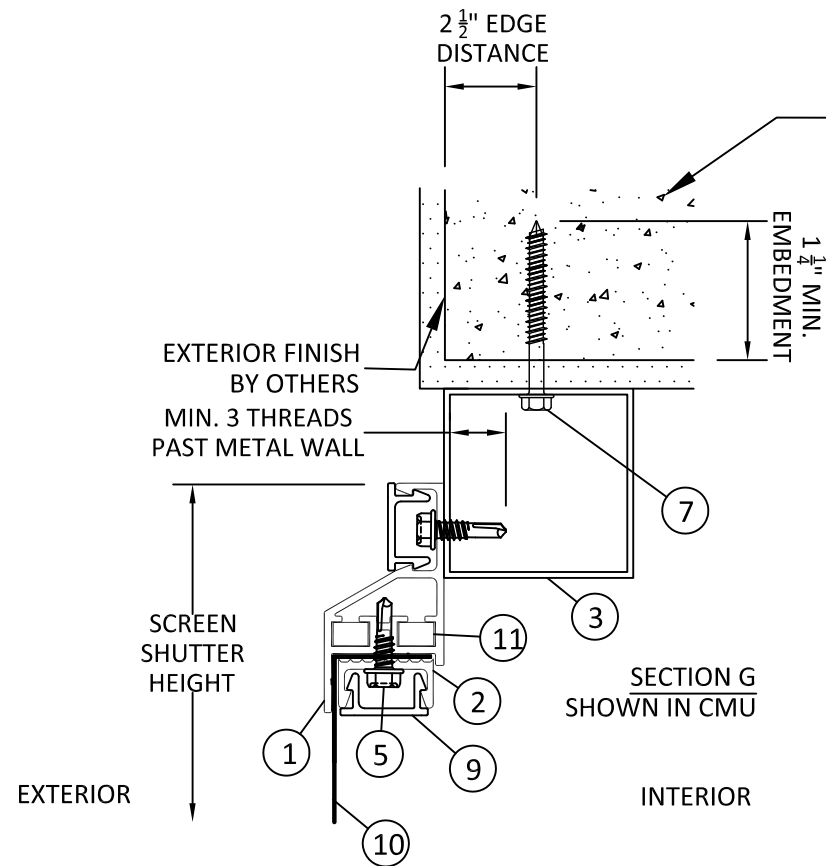
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3

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NOTE:

1. 2" ALUMINUM TUBE HAS A 1" MIN. EDGE DISTANCE WITH NO SETBACK FROM EDGE OF CONCRETE/ MASONRY AT INSTALLATION.
2. 1" ALUMINUM TUBE HAS A 1" MIN. EDGE DISTANCE WITH 1/2" SETBACK FROM EDGE OF CONCRETE/MASONRY AT INSTALLATION.
3. DIRECT MOUNT TO WALL IS ACCEPTABLE AT ALL SIDES SUCH THAT MINIMUM ANCHOR EMBEDMENT, EDGE DISTANCE AND GLASS SEPARATION IS ACHIEVED.
4. MOUNTING CONDITIONS MAY BE MIXED AS NECESSARY BASED ON OPENING CONDITIONS.

PREPARED BY:



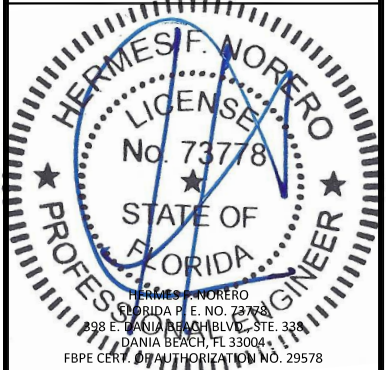
BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com

TITLE:	28FX ALUMINUM FRAMED IMPACT SCREEN	
	HORIZONTAL SECTIONS	
	FORTRESS SCREENS, LLC	
	2251 TOPLINE WAY, UNIT A.1 BROOKSVILLE, FL 34604	

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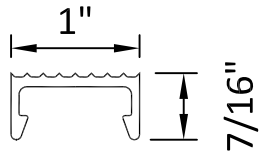
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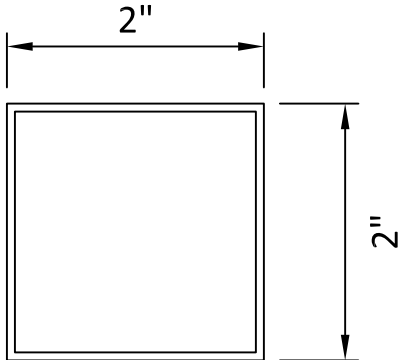
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BILL OF MATERIALS			
ITEM #	PART #	ITEM DESCRIPTION	MATERIAL
1	2731	FRAME HEAD, SILL, JAMB	ALUMINUM 6005-T6
2	2721	WIRE RETAINER	ALUMINUM 6005-T6
3	-	2" X 2" X 1/16" TUBE	ALUMINUM 6063-T5
4	-	1" X 1" X 1/16" TUBE	ALUMINUM 6063-T5
5	-	#12-14 X 3/4" HEX HEAD SMS SCREW	STEEL
6	-	-	-
7	-	1/4" TAPCON	-
8	-	1/4" LAG SCREW	-
9	2730	SCREW COVER	-
10	-	WIRE MESH	SS 304 12X12 0.028" OR 0.032" THICK
11	-	CORNER KEY 2" X2" X 1.1" X 1/4"	-

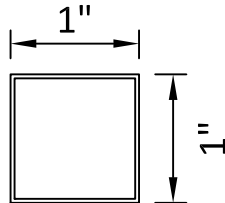
2 WIRE RETAINER
ALUMINUM 6063-T6



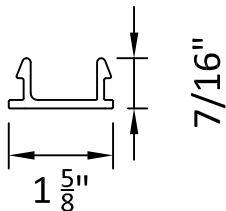
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ALUMINUM 6005-T5



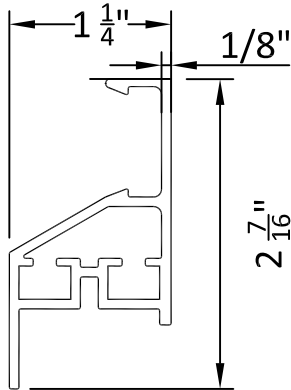
4 1" X 1" X 1/16"
ALUMINUM 6005-T5



9 SCREW COVER



1 FRAME HEAD, SILL, JAMB
ALUMINUM 6063-T6



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DANIA BEACH, FL 33004

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COMPONENTS AND BILL OF MATERIALS

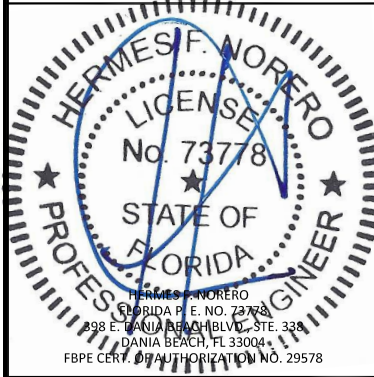
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