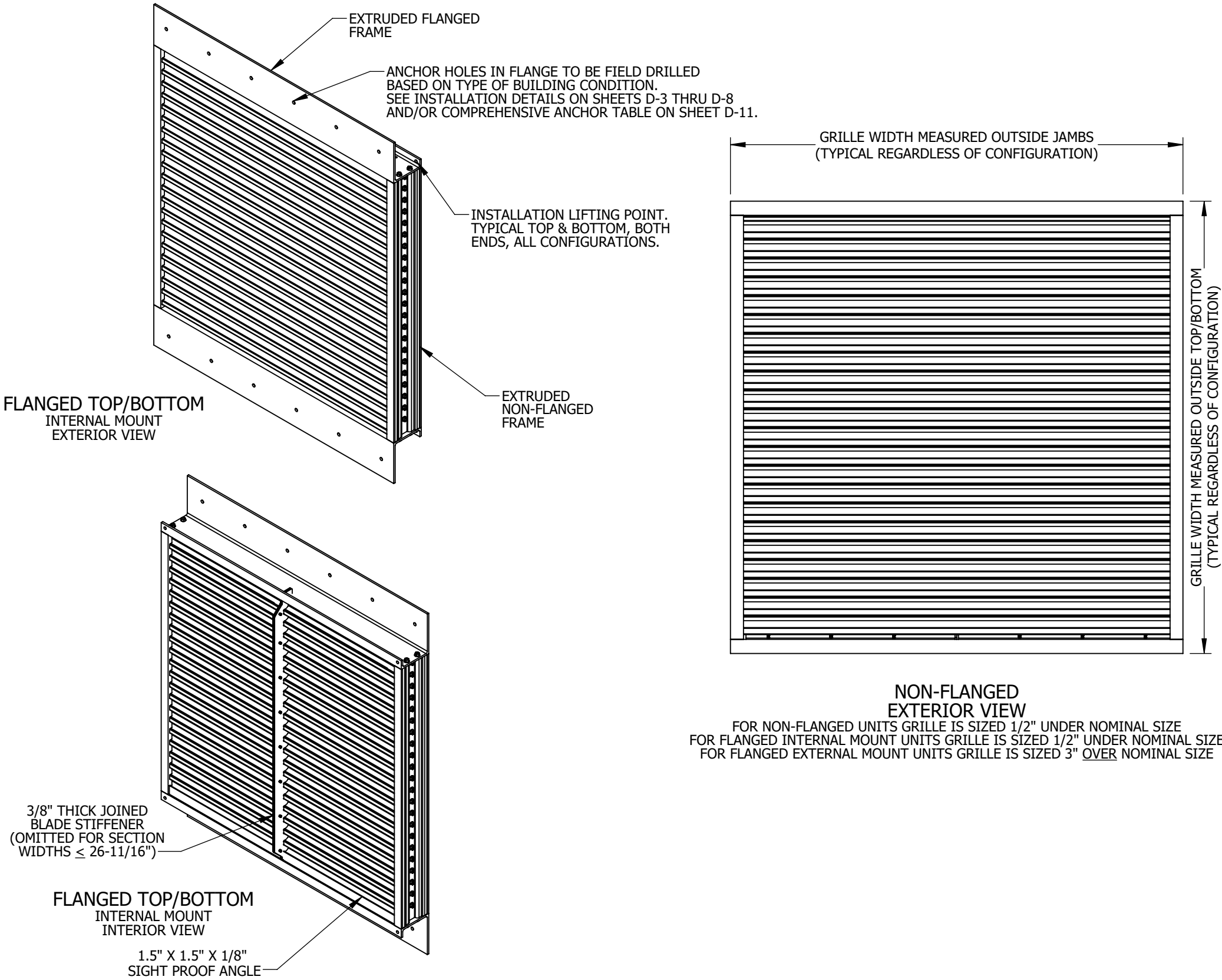


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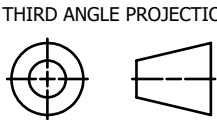


- NOTES:
1. BUILDING CONDITION MAX. OPENING ID FOR A SINGLE SECTION IS 48"Wx96"H. BUILDING CONDITION MIN. OPENING ID IS 12"Wx12"H. FOR MULTI-SECTIONS, UNLIMITED CONDITION OPENING WIDTH x SINGLE SECTION OPENING HIGH or UNLIMITED CONDITION OPENING HEIGHT x SINGLE SECTION OPENING WIDTH. ACTUAL SIZE OF LOUVER SECTIONS IS DEPENDENT ON INSTALLATION METHOD.
 2. THIS DRAWING INCLUDES INSTALLATION DETAILS TO ATTAIN A 300-PSF DESIGN PRESSURE ACROSS ALL SIZES AND IMPACT RESISTANCE PER FEMA 361/320 AND ICC 500.
 3. GRILLE TESTED FOR LARGE MISSILE IMPACT TEST WITH 15 LB 2 X 4 AND 100 MPH VELOCITY.
 4. IT IS ASSUMED THAT THE GRILLE SYSTEMS DO NOT SUPPORT ANY LOADS TRANSFERRED FROM THE BUILDING CONDITION.
 5. IT IS ASSUMED THAT THE BUILDING CONDITIONS ARE ADEQUATELY DESIGNED TO SUPPORT LOADS IMPARTED BY THE GRILLE.
 6. GRILLE DOES NOT PREVENT MOISTURE INGRESS. CRITICAL EQUIPMENT SHOULD BE PROTECTED.
 7. ALL HARDWARE SHOWN IS SUPPLIED BY POTTORFF UNLESS OTHERWISE SPECIFIED. HARDWARE IS SHIPPED LOOSE, MILL FINISH.
 8. SEPARATION OF DISSIMILAR METALS/ ALUM. TO STEEL SHOULD BE TAKEN INTO CONSIDERATION, AND IS BY OTHERS UNLESS SPECIFIED OTHERWISE.
 9. ALL BACKER ROD, SEALANT/CAULKING IS SUPPLIED BY OTHERS.
 10. ALL HOLES, HARDWARE, ANCHORS, AND/OR SHIMS REQUIRED TO INSTALL UNITS TO BUILDING, STRUCTURE, OR EXISTING CONDITION BY OTHERS.
 11. APPROXIMATE WEIGHT FOR GRILLE IS 11 LBS/SQ-FT.

G	UPDATE SHT'S D--7, D-8 & D-11 (ECN 25-0157)	12/11/2025	MSM
F	ECN 24-0125	12/30/2024	MSM
E	ECN 21-0020	3/11/2021	MRS
D	ECN 18-0054	9/21/2018	LGH / NWW
C	REVISED STATIC PRESSURE TABLE	4/4/2018	JG
REV. NO.	DESCRIPTION	DATE	DRAWN BY

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.	
TOLERANCE UNLESS NOTED:	
X.X	±0.060
X.XX	±0.030
X.XXX	±0.010
ANGLE	±1°
FRACTION	±1/16
MAX HOLE BREAKOUT: 15% OF MATERIAL THICKNESS	

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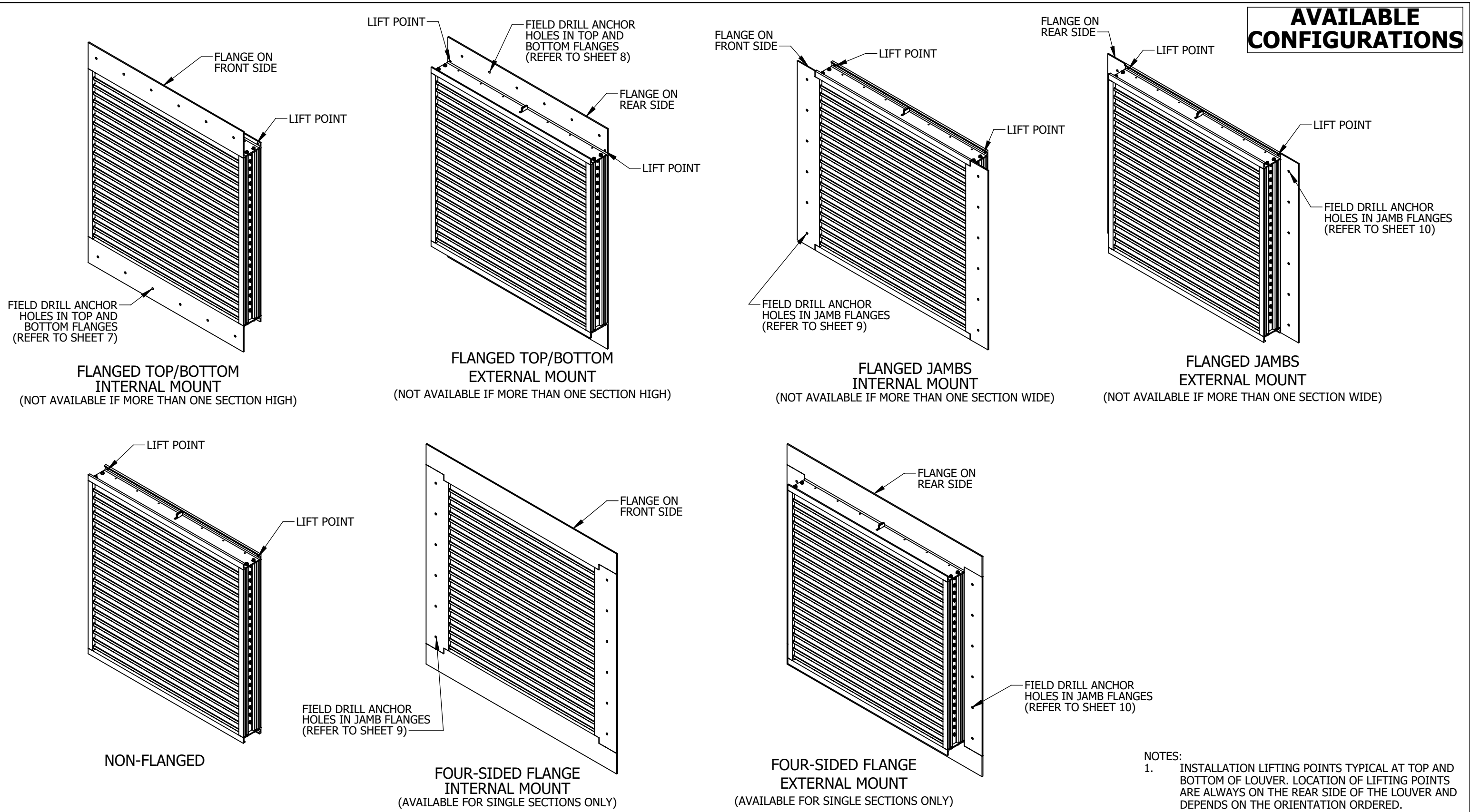
ALL-LITE

ARCHITECTURAL PRODUCTS

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DRAWING DESCR: COVER SHEET				
PROJECT: XAV-545 FEMA 361/320 GRILLE ASSEMBLY & INSTALLATION DETAILS				
LOCATION:				
CUSTOMER:				
PROJ. MGR.: NATHAN WOODWORTH		DRAWN BY: LGH		
DATE: 12/14/2017	CHK'D BY: BAF	ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER
SHEET: 1 of 17	SCALE: NONE			60133 C-1

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G	UPDATE SHT'S D--7, D-8 & D-11 (ECN 25-0157)	12/11/2025	MSM
F	ECN 24-0125	12/30/2024	MSM
E	ECN 21-0020	3/11/2021	MRS
D	ECN 18-0054	9/21/2018	LGH / NWW
C	REVISED STATIC PRESSURE TABLE	4/4/2018	JG
REV. NO.	DESCRIPTION	DATE	DRAWN BY

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.	
TOLERANCE UNLESS NOTED:	
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X.XX	±0.030
X.XXX	±0.010
ANGLE	±1°
FRACTION	±1/16
MAX HOLE BREAKOUT: 15% OF MATERIAL THICKNESS	

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Fort Worth, Texas 76106
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Fax: 817-831-3110

THIRD ANGLE PROJECTION

ALL-LITE

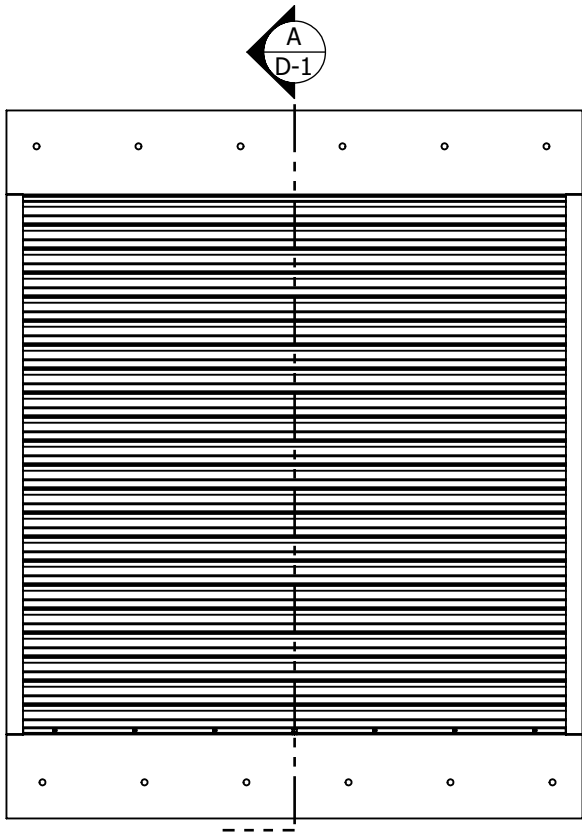
ARCHITECTURAL PRODUCTS

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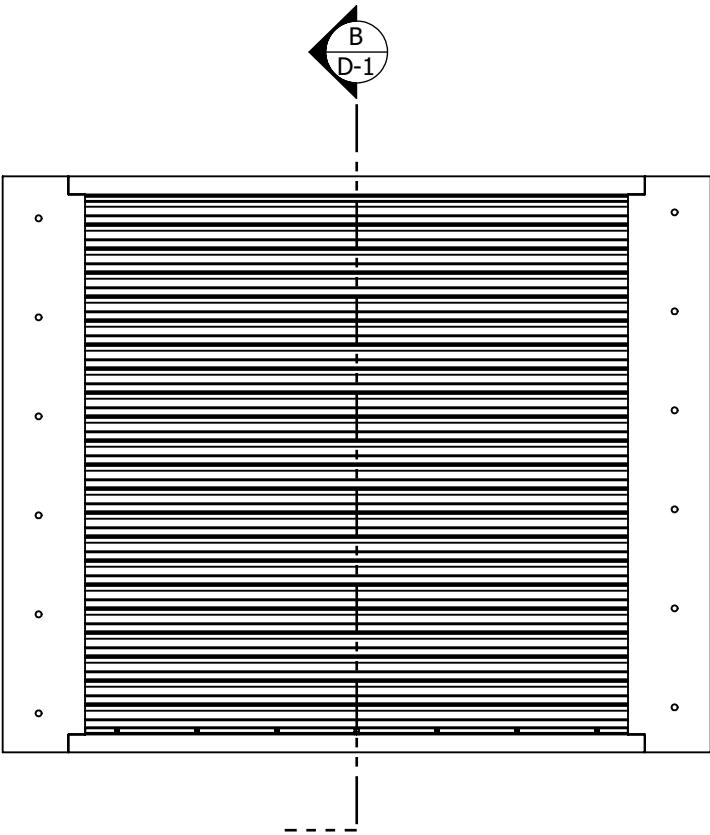
DRAWING DESCR: AVAILABLE CONFIGURATIONS				
PROJECT: XAV-545 FEMA 361/320 GRILLE ASSEMBLY & INSTALLATION DETAILS				
LOCATION:				
CUSTOMER:				
PROJ. MGR.: NATHAN WOODWORTH		DRAWN BY: LGH		
DATE: 12/14/2017	CHK'D BY: JG/nww	ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER
SHEET: 2 of 17	SCALE: NONE			60133 C-2

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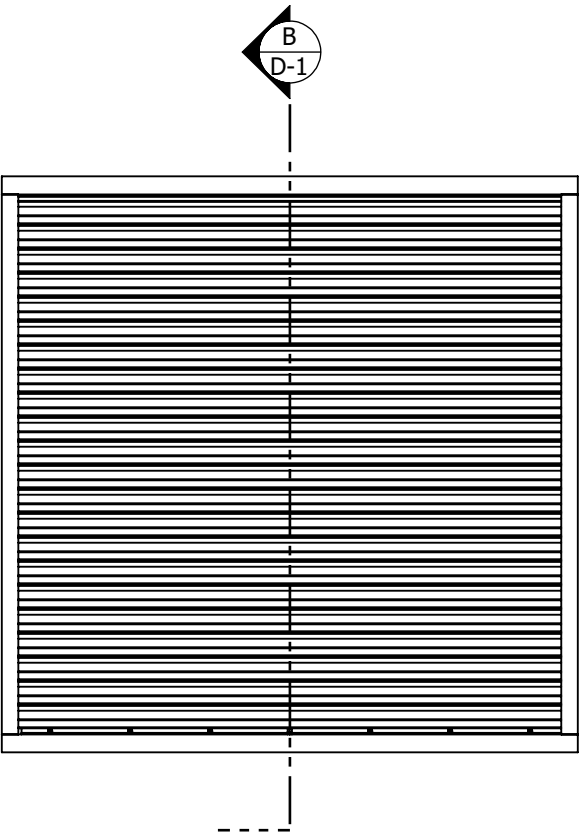
SINGLE SECTION ASSEMBLIES



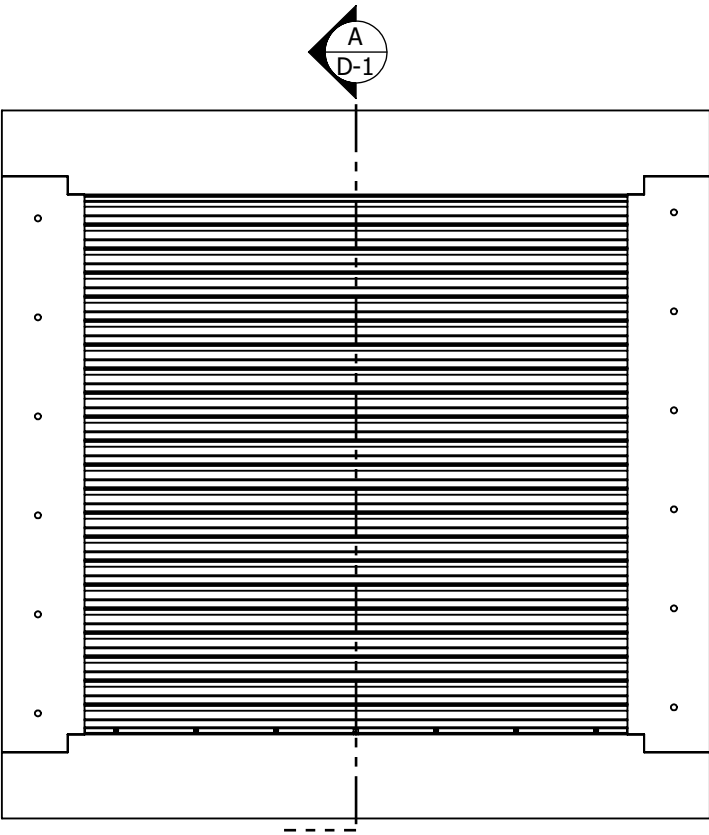
SINGLE SECTION ARRANGEMENT
FLANGED TOP/BOTTOM
INTERNAL MOUNT, EXTERIOR VIEW



SINGLE SECTION ARRANGEMENT
FLANGED JAMBS
INTERNAL MOUNT, EXTERIOR VIEW



SINGLE SECTION ARRANGEMENT
NON-FLANGED
INTERNAL MOUNT, EXTERIOR VIEW



SINGLE SECTION ARRANGEMENT
FOUR-SIDED FLANGE
INTERNAL MOUNT, EXTERIOR VIEW

G	UPDATE SHT'S D--7, D-8 & D-11 (ECN 25-0157)	12/11/2025	MSM
F	ECN 24-0125	12/30/2024	MSM
E	ECN 21-0020	3/11/2021	MRS
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REV. NO.	DESCRIPTION	DATE	DRAWN BY

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.	
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X.X	±0.060
X.XX	±0.030
X.XXX	±0.010
ANGLE	±1°
FRACTION	±1/16
MAX HOLE BREAKOUT: 15% OF MATERIAL THICKNESS	

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THIRD ANGLE PROJECTION	

ALL-LITE

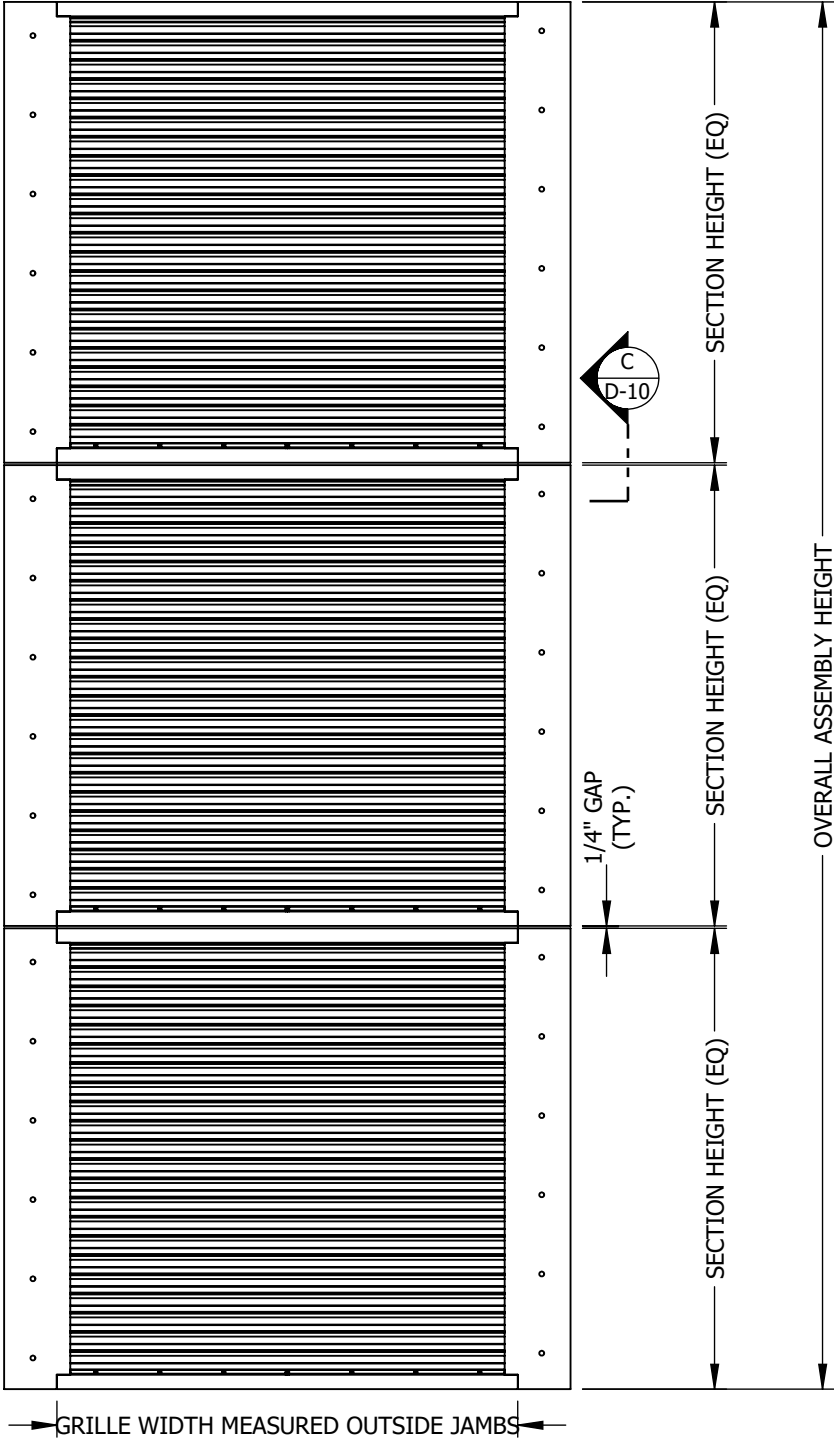
ARCHITECTURAL PRODUCTS

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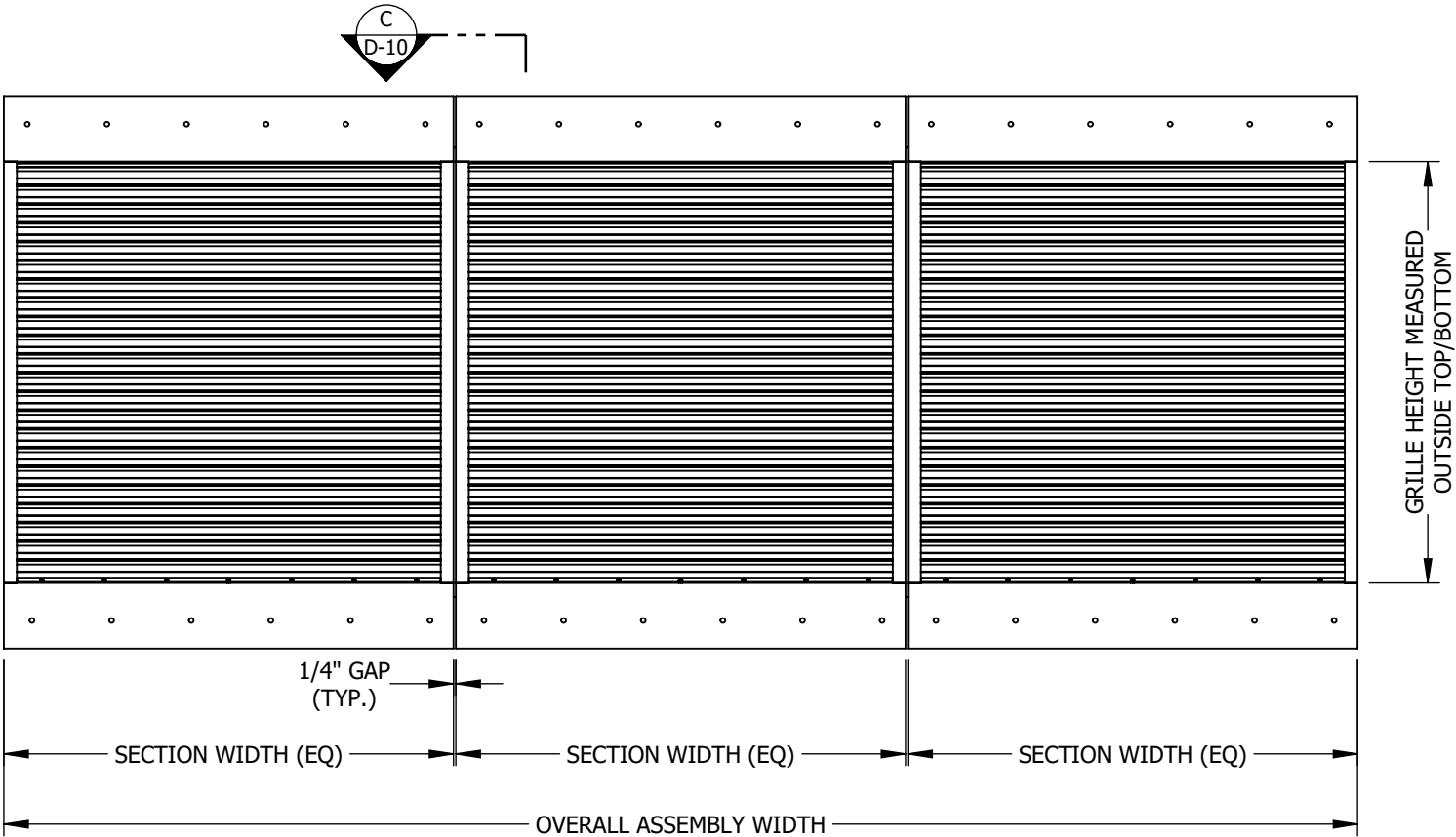
DRAWING DESCR: ELEVATION VIEWS, SINGLE SECTION ASSEMBLIES				
PROJECT: XAV-545 FEMA 361/320 GRILLE ASSEMBLY & INSTALLATION DETAILS				
LOCATION:				
CUSTOMER:				
PROJ. MGR.: NATHAN WOODWORTH		DRAWN BY: LGH		
DATE: 12/14/2017	CHK'D BY: JG/nww	ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER
SHEET: 3 of 17	SCALE: NONE			60133 E-1

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MULTI SECTION ASSEMBLIES



MULTI-SECTION HIGH (UNLIMITED) ARRANGEMENT
AVAILABLE IN FLANGED JAMBS OR
NON-FLANGED CONFIGURATIONS ONLY
FLANGED JAMBS SHOWN, INTERNAL MOUNT, EXTERIOR VIEW
NON-FLANGED SIMILAR



MULTI-SECTION WIDE (UNLIMITED) ARRANGEMENT
AVAILABLE IN FLANGED TOP/BOTTOM OR
NON-FLANGED CONFIGURATIONS ONLY
FLANGED TOP/BOTTOM SHOWN, INTERNAL MOUNT, EXTERIOR VIEW
NON-FLANGED SIMILAR

NOTES:
1. MULTI-SECTION CONFIGURATIONS ARE AVAILABLE ONLY IN MULTI-SECTION HIGH X SINGLE SECTION WIDE OR MULTI-SECTION WIDE X SINGLE SECTION HIGH. NO PROVISIONS HAVE BEEN MADE FOR MULTI-SECTION HIGH X MULTI-SECTION WIDE CONFIGURATIONS.

G	UPDATE SHT'S D--7, D-8 & D-11 (ECN 25-0157)	12/11/2025	MSM
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REV. NO.	DESCRIPTION	DATE	DRAWN BY

UNLESS OTHERWISE SPECIFIED
DIMENSION ARE IN INCHES.

TOLERANCE UNLESS NOTED:
X.X ±0.060
X.XX ±0.030
X.XXX ±0.010
ANGLE ±1°
FRACTION ±1/16

MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

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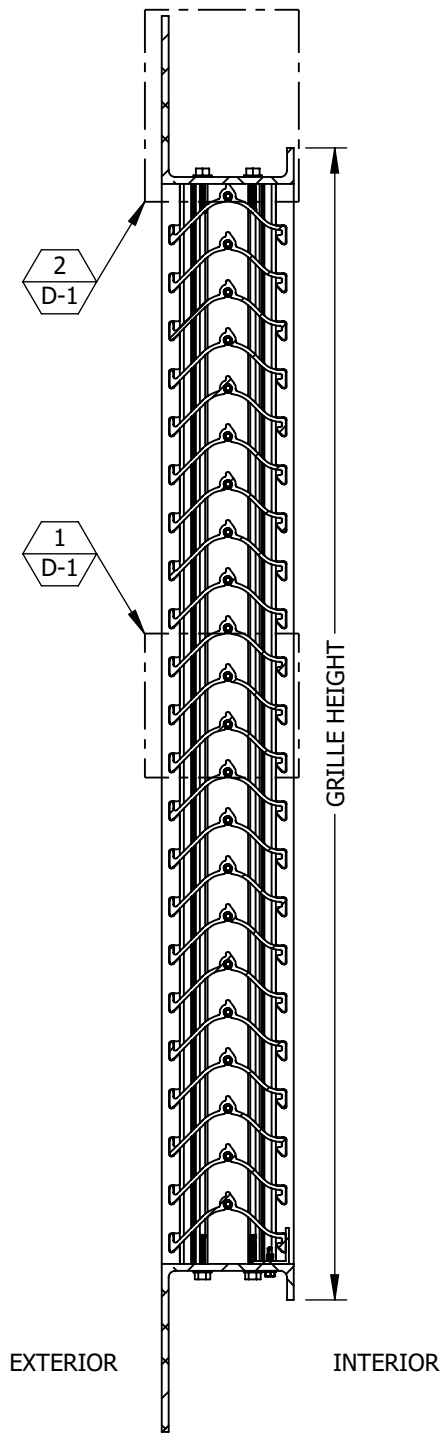
THIRD ANGLE PROJECTION

ALL-LITE
ARCHITECTURAL PRODUCTS

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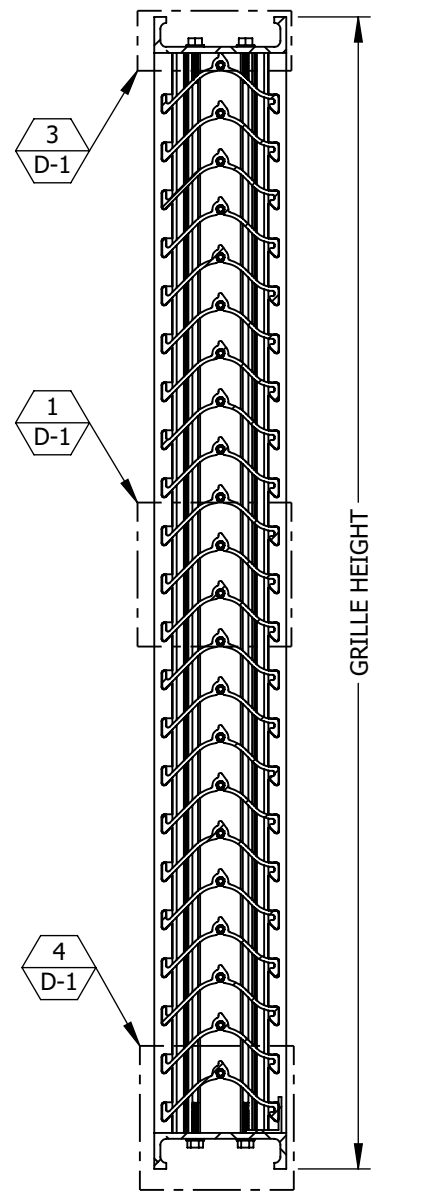
DRAWING DESCR: ELEVATION VIEWS, MULTIPLE SECTION ASSEMBLIES				
PROJECT: XAV-545 FEMA 361/320 GRILLE ASSEMBLY & INSTALLATION DETAILS				
LOCATION:				
CUSTOMER:				
PROJ. MGR.: NATHAN WOODWORTH		DRAWN BY: LGH		
DATE: 12/14/2017	CHK'D BY: JG/nww	ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER
SHEET: 4 of 17	SCALE: AS NOTED			60133 E-2

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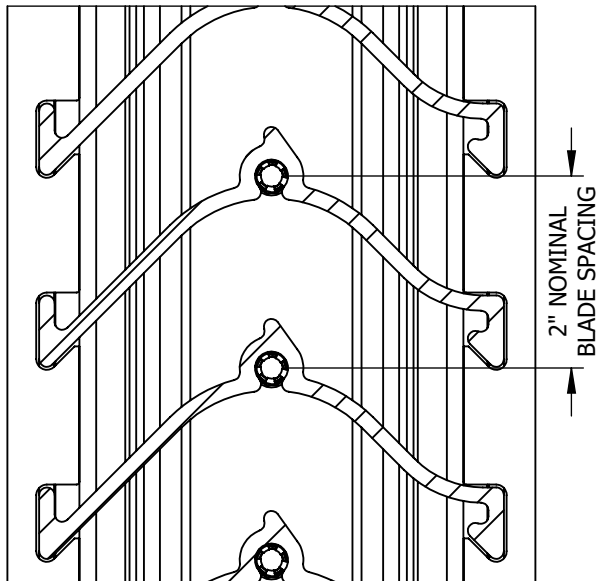
SECTION A VIEW
1-1/2" = 1'-0" D-1 E-1

INTERNAL MOUNT ARRANGEMENT SHOWN
EXTERNAL MOUNT HAS FLANGE OPPOSITE SIDE

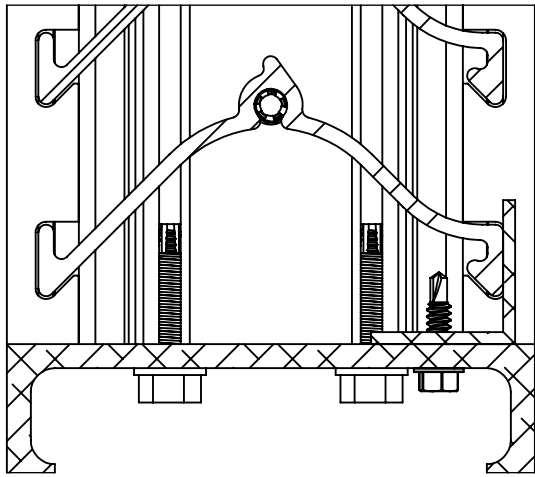


SECTION B VIEW
1-1/2" = 1'-0" D-1 E-1

INTERNAL MOUNT ARRANGEMENT SHOWN
NON-FLANGED ARRANGEMENT SIMILAR
EXTERNAL MOUNT HAS FLANGE OPPOSITE SIDE

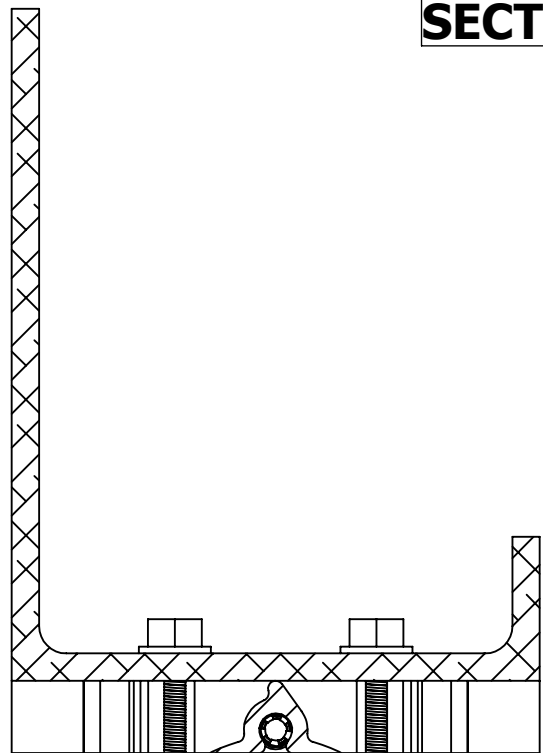


BLADE 1 DETAIL
SCALE: 6" = 1'-0" D-1 D-1



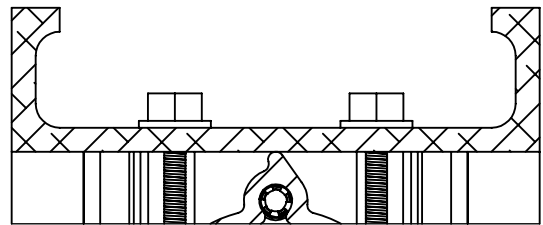
BOTTOM SIGHT GAP 4 DETAIL
SCALE: 6" = 1'-0" D-1 D-1

SECTIONS & DETAILS



FLANGED TOP 2 DETAIL
SCALE: 6" = 1'-0" D-1 D-1

INTERNAL MOUNT TOP DETAIL SHOWN
EXTERNAL MOUNT HAS FLANGE OPPOSITE SIDE
FLANGED BOTTOM AND FLANGED JAMB DETAILS SIMILAR



NON-FLANGED TOP 3 DETAIL
SCALE: 6" = 1'-0" D-1 D-1

INTERNAL MOUNT HEAD DETAIL SHOWN
EXTERNAL MOUNT HAS FLANGE OPPOSITE SIDE
NON-FLANGED BOTTOM AND NON-FLANGED JAMB DETAILS SIMILAR

G	UPDATE SHT'S D--7, D-8 & D-11 (ECN 25-0157)	12/11/2025	MSM
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D	ECN 18-0054	9/21/2018	LGH / NWW
C	REVISED STATIC PRESSURE TABLE	4/4/2018	JG
REV. NO.	DESCRIPTION	DATE	DRAWN BY

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.	
TOLERANCE UNLESS NOTED:	
X.X	±0.060
X.XX	±0.030
X.XXX	±0.010
ANGLE	±1°
FRACTION	±1/16
MAX HOLE BREAKOUT: 15% OF MATERIAL THICKNESS	

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THIRD ANGLE PROJECTION	

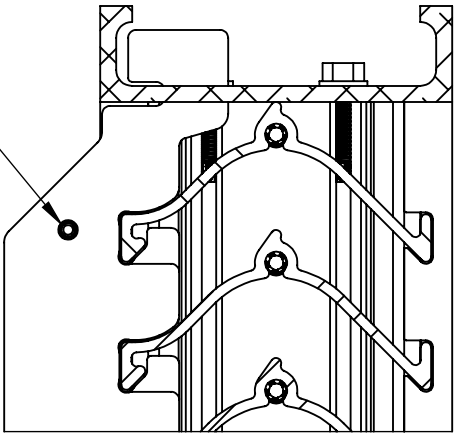
ALL-LITE	
ARCHITECTURAL PRODUCTS	
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DRAWING DESCR: SECTIONS & DETAILS				
PROJECT: XAV-545 FEMA 361/320 GRILLE ASSEMBLY & INSTALLATION DETAILS				
LOCATION:				
CUSTOMER:				
PROJ. MGR.: NATHAN WOODWORTH		DRAWN BY: LGH		
DATE: 12/14/2017	CHK'D BY: JG/nww	ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER
SHEET: 5 of 17	SCALE: AS NOTED			60133 D-1

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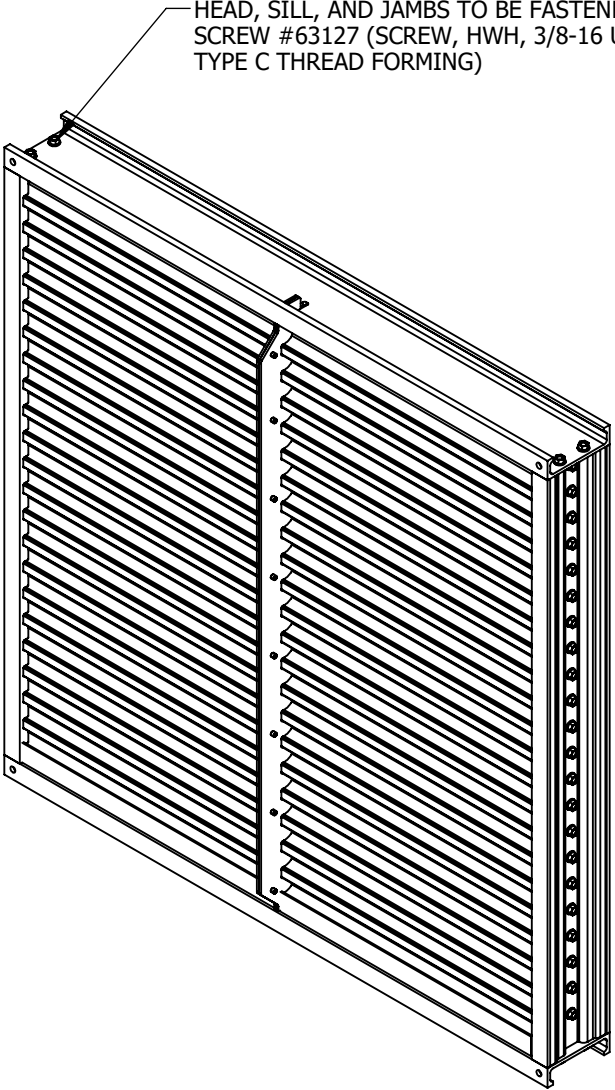
ASSEMBLY HARDWARE DETAILS

STIFFENERS TO BE FASTENED WITH
RIVET #60016 (1/4" MAGNA-LOK RIVET
MGLP-B8-E)

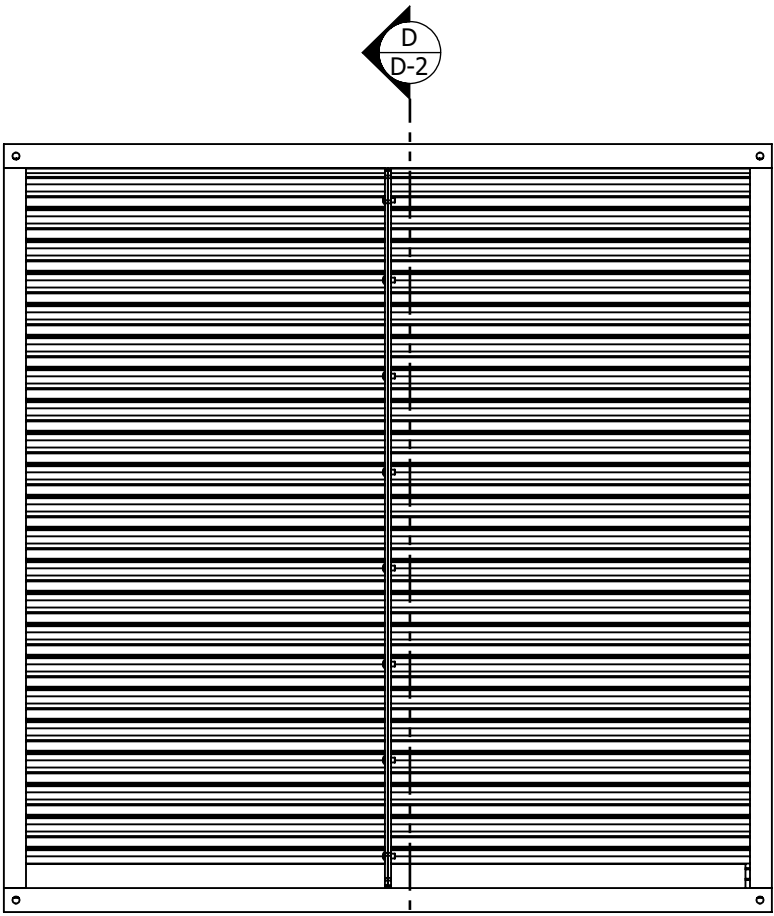


STIFFENER 1
SCALE: 4" = 1'-0" D-2 D-2

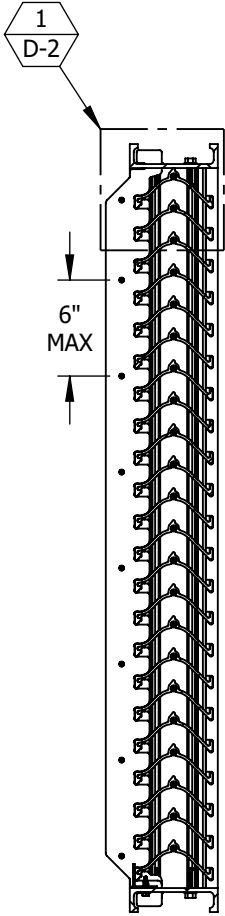
HEAD, SILL, AND JAMBS TO BE FASTENED WITH
SCREW #63127 (SCREW, HWH, 3/8-16 UNC X 1-1/2" LG.
TYPE C THREAD FORMING)



INTERIOR ISOMETRIC VIEW
NON-FLANGED CONFIGURATION SHOWN



INTERIOR ELEVATION VIEW
NON-FLANGED CONFIGURATION SHOWN



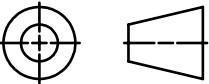
INTERIOR EXTERIOR
SECTION D
SCALE: 1" = 1'-0" D-2 D-2

G	UPDATE SHT'S D--7, D-8 & D-11 (ECN 25-0157)	12/11/2025	MSM
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THIRD ANGLE PROJECTION



ALL-LITE

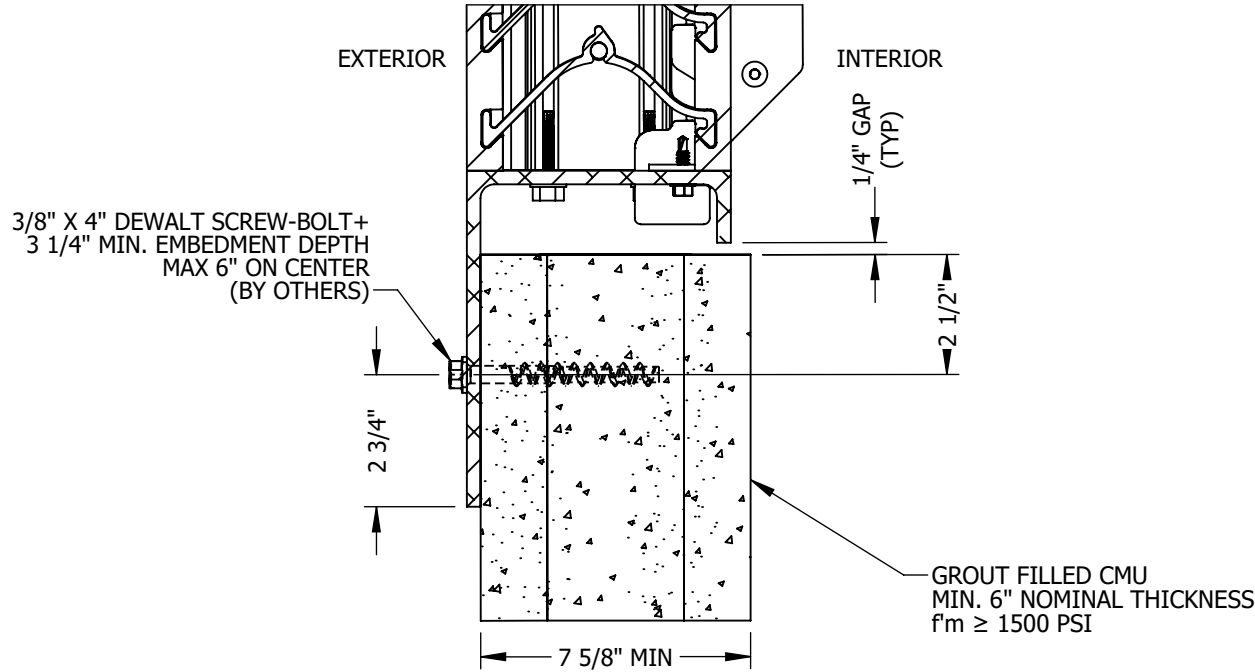
ARCHITECTURAL PRODUCTS

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DRAWING DESCR: WELDING DETAILS				
PROJECT: XAV-545 FEMA 361/320 GRILLE ASSEMBLY & INSTALLATION DETAILS				
LOCATION:				
CUSTOMER:				
PROJ. MGR.: NATHAN WOODWORTH		DRAWN BY: LGH		
DATE: 12/14/2017	CHK'D BY: JG/nww	ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER
SHEET: 6 of 17	SCALE: AS NOTED			60133 D-2

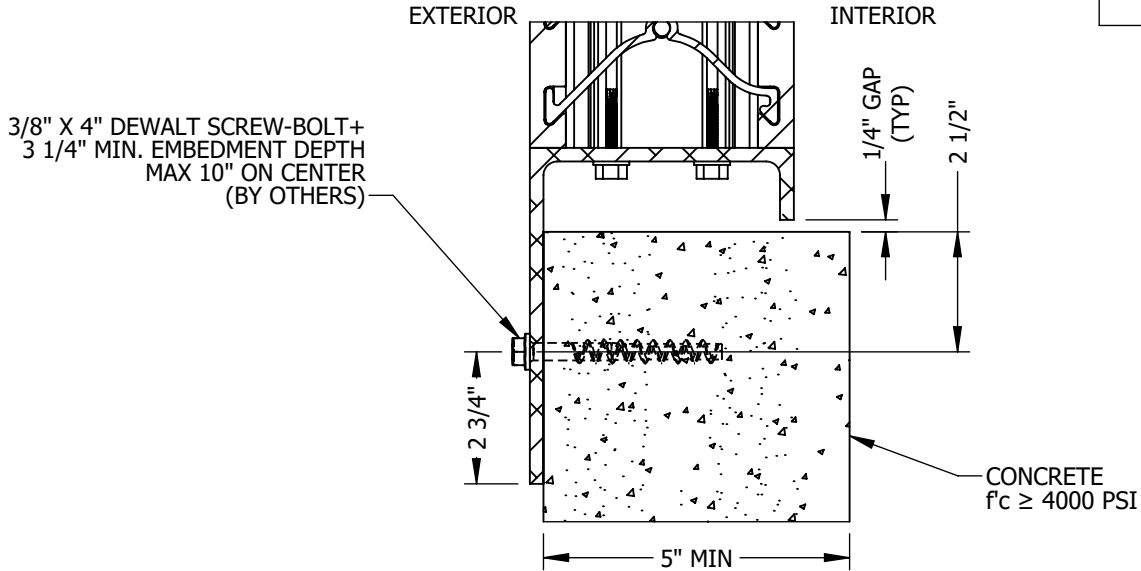
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FLANGED TOP/BOTTOM
INTERNAL MOUNT



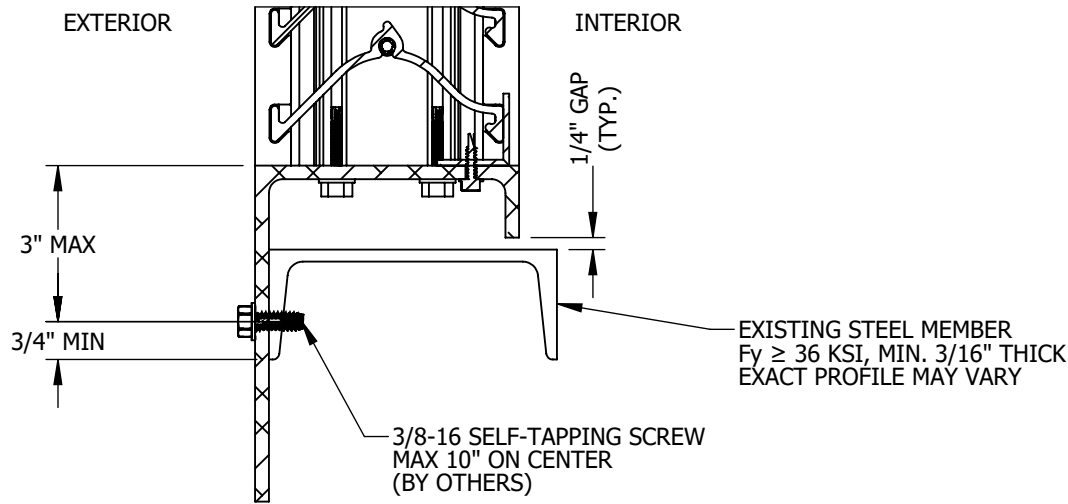
INSTALLATION DETAIL 1 GROUT FILLED CMU
SCALE: 3" = 1'-0" D-3 INTERNAL MOUNT

FLANGED BOTTOM DETAIL SHOWN
TYPICAL FOR FLANGED TOP



INSTALLATION DETAIL 2 CONCRETE
SCALE: 3" = 1'-0" D-3 INTERNAL MOUNT

FLANGED BOTTOM DETAIL SHOWN
TYPICAL FOR FLANGED TOP



INSTALLATION DETAIL 3 STRUCTURAL STEEL
SCALE: 3" = 1'-0" D-3 INTERNAL MOUNT

FLANGED BOTTOM DETAIL SHOWN
TYPICAL FOR FLANGED TOP

- NOTES:
1. SEE SHEET D-11 FOR COMPREHENSIVE ANCHOR REQUIREMENT TABLE.
2. MAX ANCHOR DISTANCE FROM ENDS OF FLANGE = 1/2 x SPACING BETWEEN ANCHORS

G	UPDATE SHT'S D--7, D-8 & D-11 (ECN 25-0157)	12/11/2025	MSM
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MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

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Fort Worth, Texas 76106
Phone: 817-509-2300
Fax: 817-831-3110

THIRD ANGLE PROJECTION



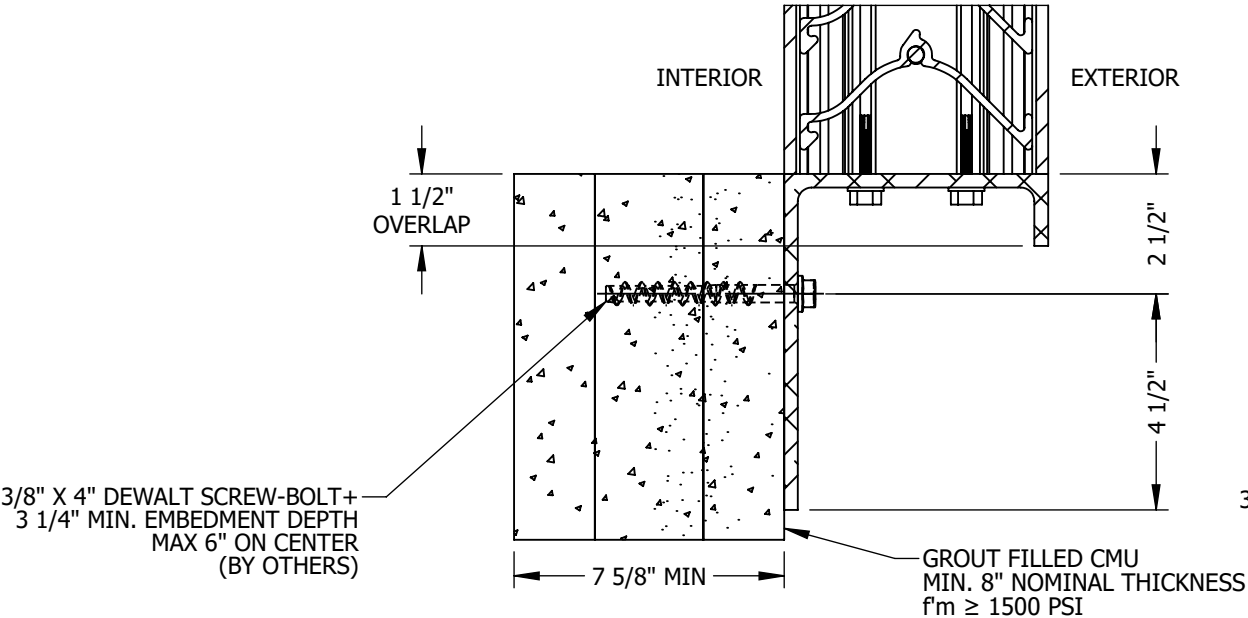
ALL-LITE
ARCHITECTURAL PRODUCTS

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DESIGN REVIEW AND APPROVAL WITHOUT THE
EXPRESS WRITTEN CONSENT OF PCI INDUSTRIES.

DRAWING DESCR: INSTALLATION DETAILS, FLANGED TOP/BOTTOM, INTERNAL MOUNT				
PROJECT: XAV-545 FEMA 361/320 GRILLE ASSEMBLY & INSTALLATION DETAILS				
LOCATION:				
CUSTOMER:				
PROJ. MGR.: NATHAN WOODWORTH		DRAWN BY: LGH		
DATE: 12/14/2017	CHK'D BY: JG/nww	ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER
SHEET: 7 of 17	SCALE: AS NOTED			60133 D-3

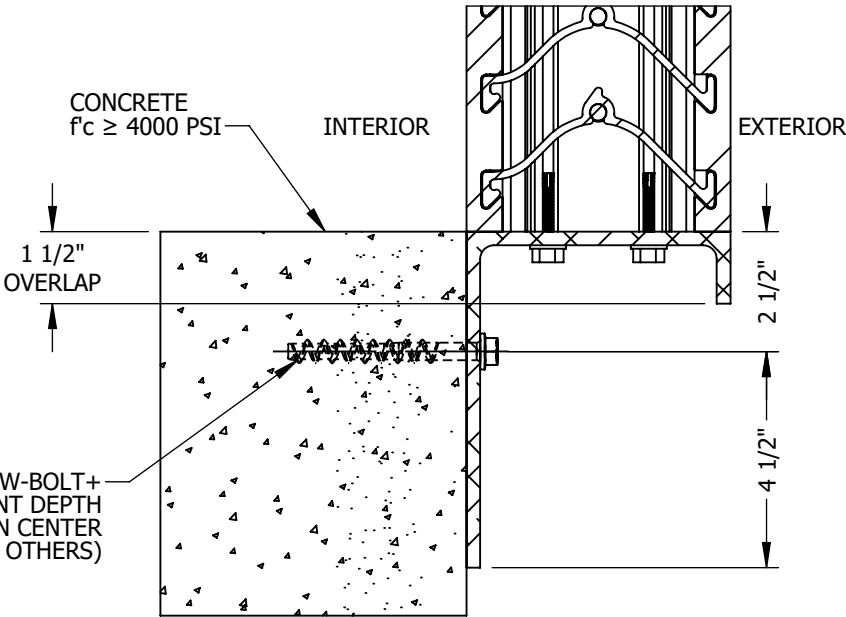
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FLANGED TOP/BOTTOM
EXTERNAL MOUNT



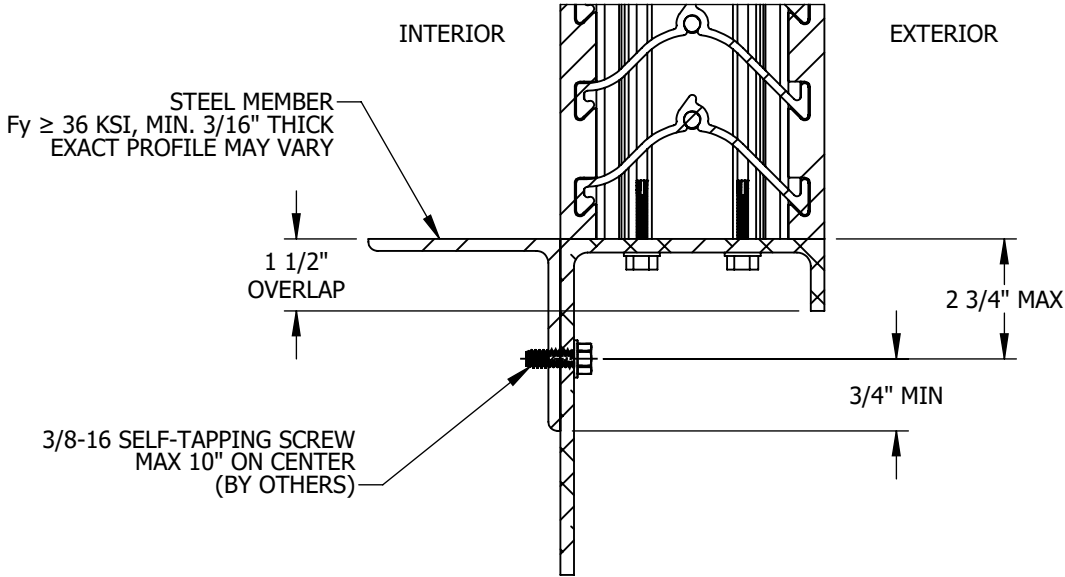
INSTALLATION DETAIL 1 GROUT FILLED CMU
SCALE: 3" = 1'-0" D-4 EXTERNAL MOUNT

FLANGED BOTTOM DETAIL SHOWN
TYPICAL FOR FLANGED TOP



INSTALLATION DETAIL 2 CONCRETE
SCALE: 3" = 1'-0" D-4 EXTERNAL MOUNT

FLANGED BOTTOM DETAIL SHOWN
TYPICAL FOR FLANGED TOP



INSTALLATION DETAIL 3 STRUCTURAL STEEL
SCALE: 3" = 1'-0" D-4 EXTERNAL MOUNT

FLANGED BOTTOM DETAIL SHOWN
TYPICAL FOR FLANGED TOP

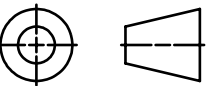
- NOTES:
1. SEE SHEET D-11 FOR COMPREHENSIVE ANCHOR REQUIREMENT TABLE.
2. MAX ANCHOR DISTANCE FROM ENDS OF FLANGE = 1/2 x SPACING BETWEEN ANCHORS

G	UPDATE SHT'S D--7, D-8 & D-11 (ECN 25-0157)	12/11/2025	MSM
F	ECN 24-0125	12/30/2024	MSM
E	ECN 21-0020	3/11/2021	MRS
D	ECN 18-0054	9/21/2018	LGH / NWW
C	REVISED STATIC PRESSURE TABLE	4/4/2018	JG
REV. NO.	DESCRIPTION	DATE	DRAWN BY

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.	
TOLERANCE UNLESS NOTED:	
X.X ±0.060	
X.XX ±0.030	
X.XXX ±0.010	
ANGLE ±1°	
FRACTION ±1/16	
MAX HOLE BREAKOUT: 15% OF MATERIAL THICKNESS	

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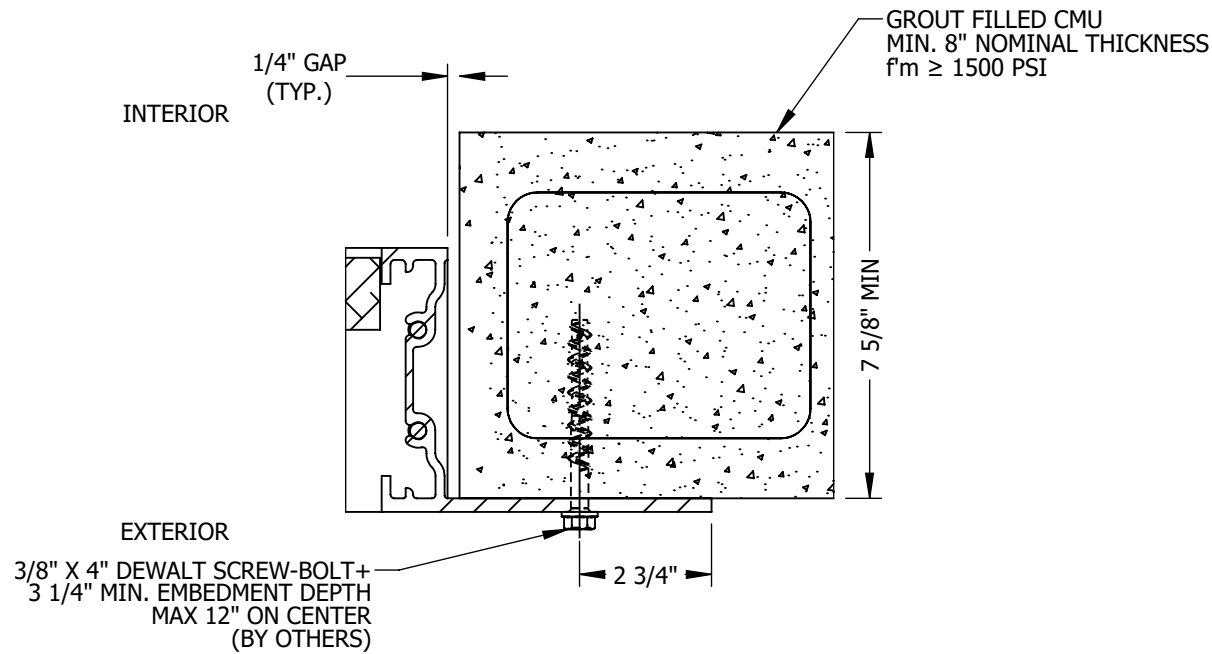
THIRD ANGLE PROJECTION



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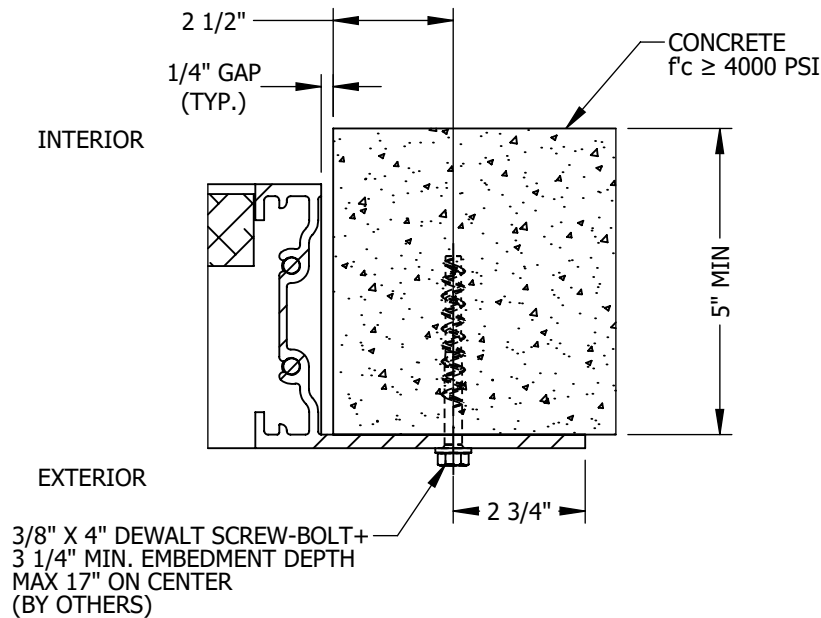
DRAWING DESCR: INSTALLATION DETAILS, FLANGED TOP/BOTTOM, EXTERNAL MOUNT				
PROJECT: XAV-545 FEMA 361/320 GRILLE ASSEMBLY & INSTALLATION DETAILS				
LOCATION:				
CUSTOMER:				
PROJ. MGR.: NATHAN WOODWORTH		DRAWN BY: LGH		
DATE: 12/14/2017	CHK'D BY: JG/nww	ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER
SHEET: 8 of 17	SCALE: AS NOTED			60133 D-4

FLANGED JAMBS
INTERNAL MOUNT



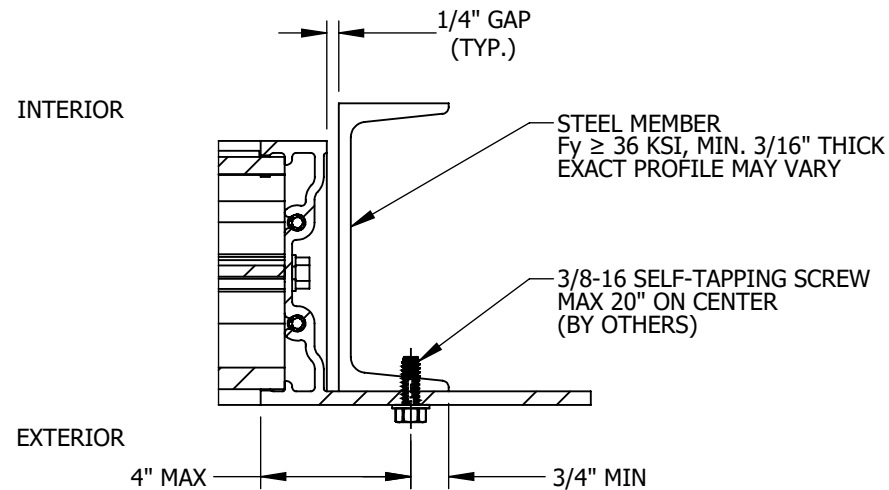
INSTALLATION DETAIL 1 GROUT FILLED CMU
SCALE: 3" = 1'-0" D-5 INTERNAL MOUNT

TYPICAL BOTH JAMBS



INSTALLATION DETAIL 2 CONCRETE
SCALE: 3" = 1'-0" D-5 INTERNAL MOUNT

TYPICAL BOTH JAMBS



INSTALLATION DETAIL 3 STRUCTURAL STEEL
SCALE: 3" = 1'-0" D-5 INTERNAL MOUNT

TYPICAL BOTH JAMBS

- NOTES:
1. SEE SHEET D-11 FOR COMPREHENSIVE ANCHOR REQUIREMENT TABLE.
2. MAX ANCHOR DISTANCE FROM ENDS OF FLANGE = 1/2 x SPACING BETWEEN ANCHORS

G	UPDATE SHT'S D--7, D-8 & D-11 (ECN 25-0157)	12/11/2025	MSM
F	ECN 24-0125	12/30/2024	MSM
E	ECN 21-0020	3/11/2021	MRS
D	ECN 18-0054	9/21/2018	LGH / NWW
C	REVISED STATIC PRESSURE TABLE	4/4/2018	JG
REV. NO.	DESCRIPTION	DATE	DRAWN BY

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.	
TOLERANCE UNLESS NOTED:	
X.X	±0.060
X.XX	±0.030
X.XXX	±0.010
ANGLE	±1°
FRACTION	±1/16
MAX HOLE BREAKOUT: 15% OF MATERIAL THICKNESS	

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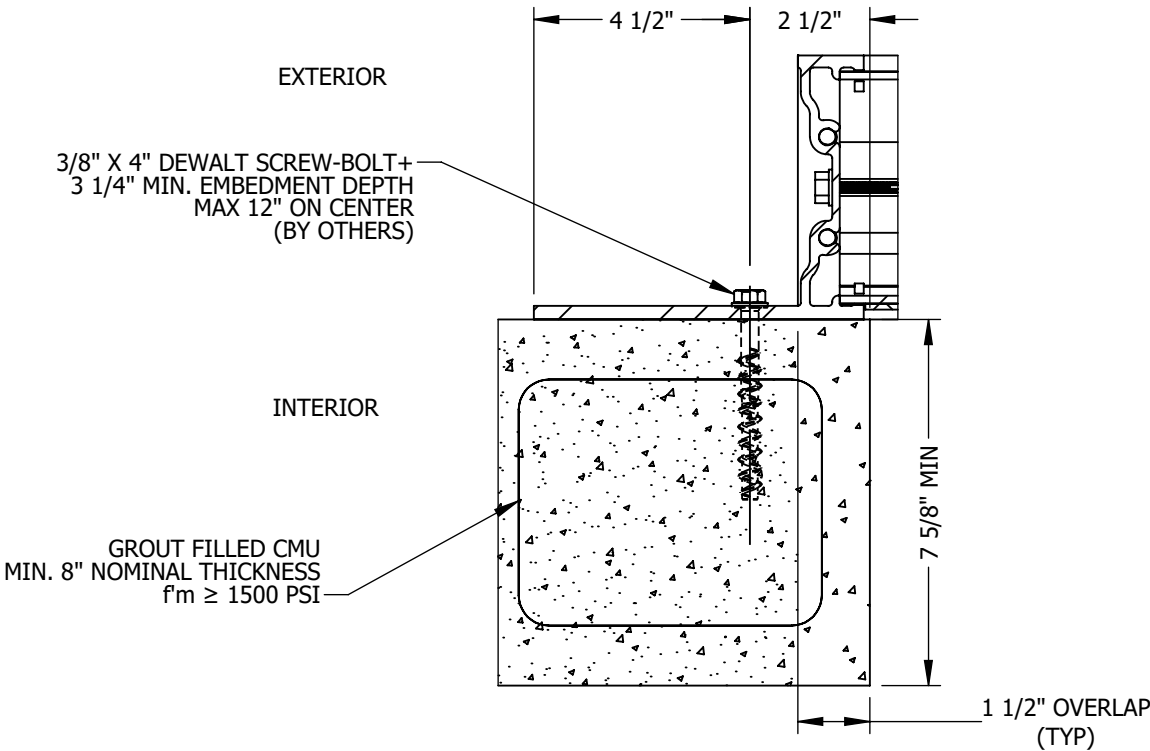
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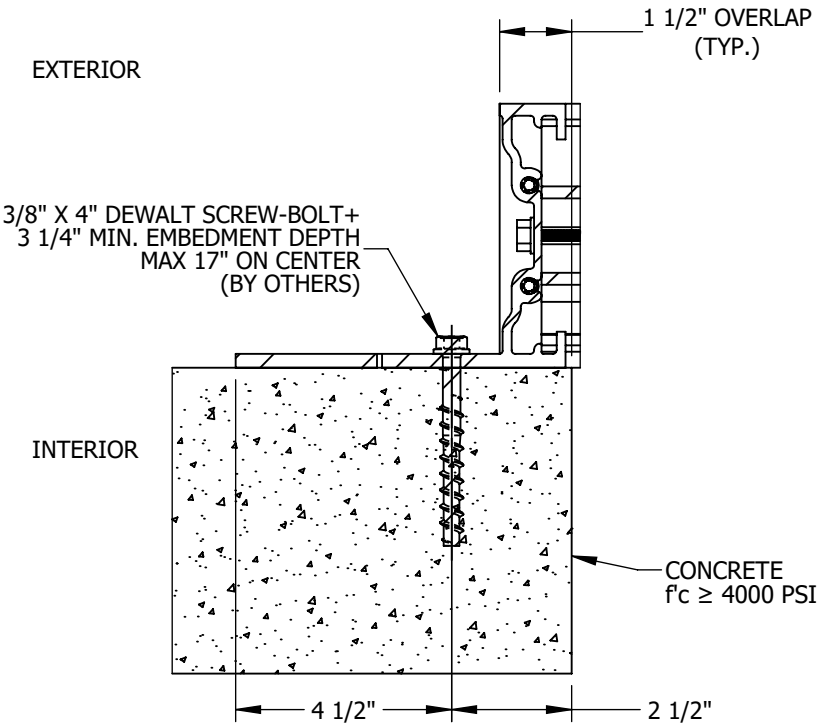
DRAWING DESCR: INSTALLATION DETAILS, FLANGED JAMBS, INTERNAL MOUNT				
PROJECT: XAV-545 FEMA 361/320 GRILLE ASSEMBLY & INSTALLATION DETAILS				
LOCATION:				
CUSTOMER:				
PROJ. MGR.: NATHAN WOODWORTH		DRAWN BY: LGH		
DATE: 12/14/2017	CHK'D BY: JG/nww	ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER
SHEET: 9 of 17	SCALE: AS NOTED			60133 D-5

FLANGED JAMBS
EXTERNAL MOUNT



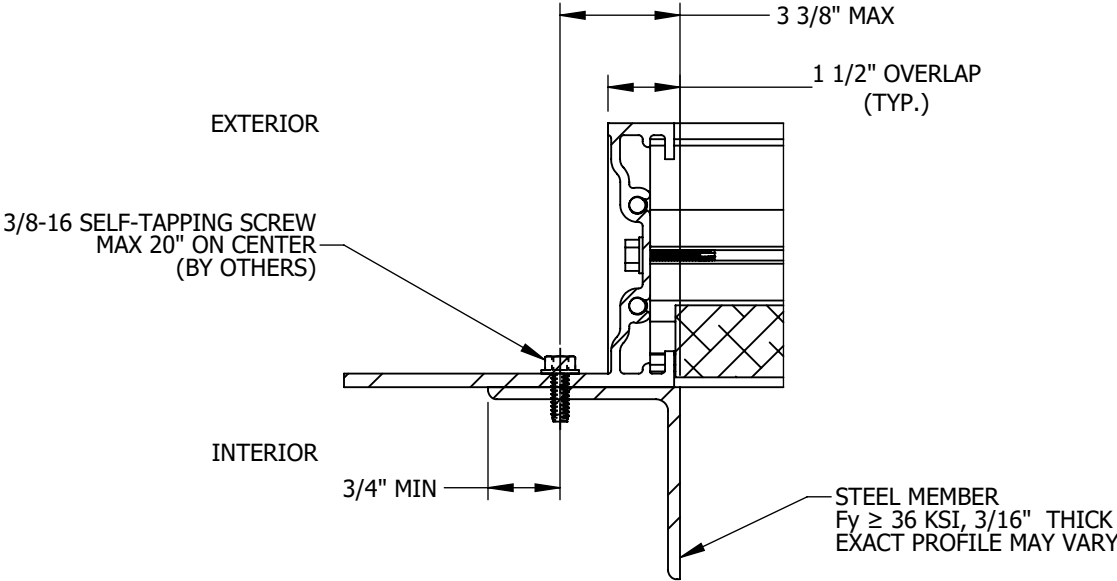
INSTALLATION DETAIL 1 GROUT FILLED CMU
SCALE: 3" = 1'-0" D-6 EXTERNAL MOUNT

TYPICAL BOTH JAMBS



INSTALLATION DETAIL 2 CONCRETE
SCALE: 3" = 1'-0" D-6 EXTERNAL MOUNT

TYPICAL BOTH JAMBS



INSTALLATION DETAIL 3 STRUCTURAL STEEL
SCALE: 3" = 1'-0" D-6 EXTERNAL MOUNT

TYPICAL BOTH JAMBS

- NOTES:
1. SEE SHEET D-11 FOR COMPREHENSIVE ANCHOR REQUIREMENT TABLE.
2. MAX ANCHOR DISTANCE FROM ENDS OF FLANGE = 1/2 x SPACING BETWEEN ANCHORS

G	UPDATE SHT'S D--7, D-8 & D-11 (ECN 25-0157)	12/11/2025	MSM
F	ECN 24-0125	12/30/2024	MSM
E	ECN 21-0020	3/11/2021	MRS
D	ECN 18-0054	9/21/2018	LGH / NWW
C	REVISED STATIC PRESSURE TABLE	4/4/2018	JG
REV. NO.	DESCRIPTION	DATE	DRAWN BY

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.	
TOLERANCE UNLESS NOTED:	
X.X	±0.060
X.XX	±0.030
X.XXX	±0.010
ANGLE	±1°
FRACTION	±1/16
MAX HOLE BREAKOUT: 15% OF MATERIAL THICKNESS	

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THIRD ANGLE PROJECTION	

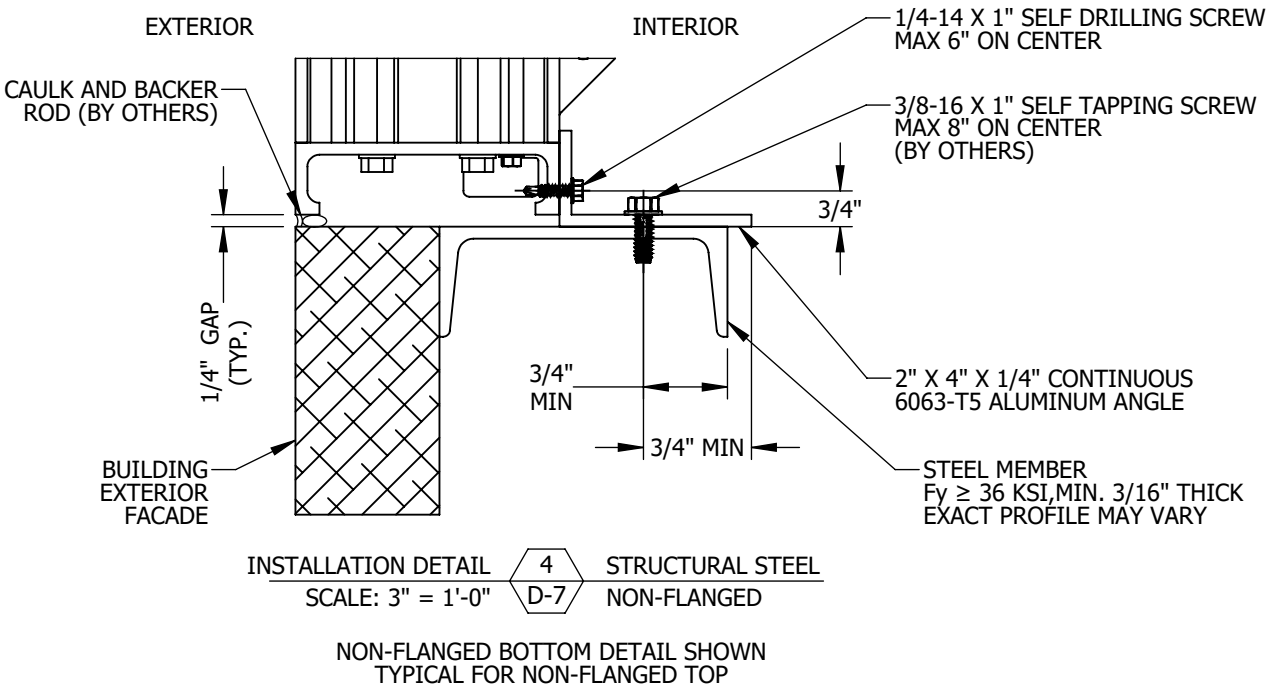
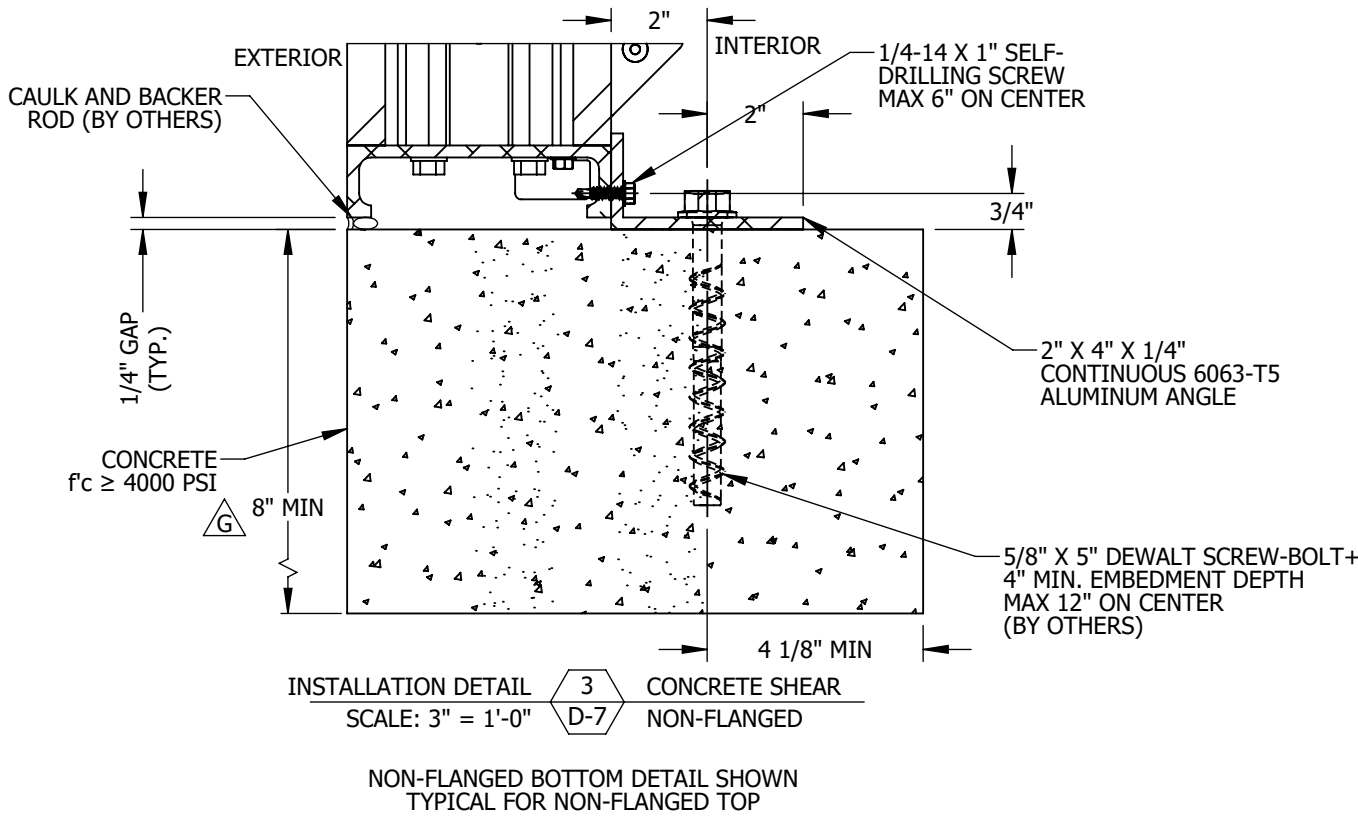
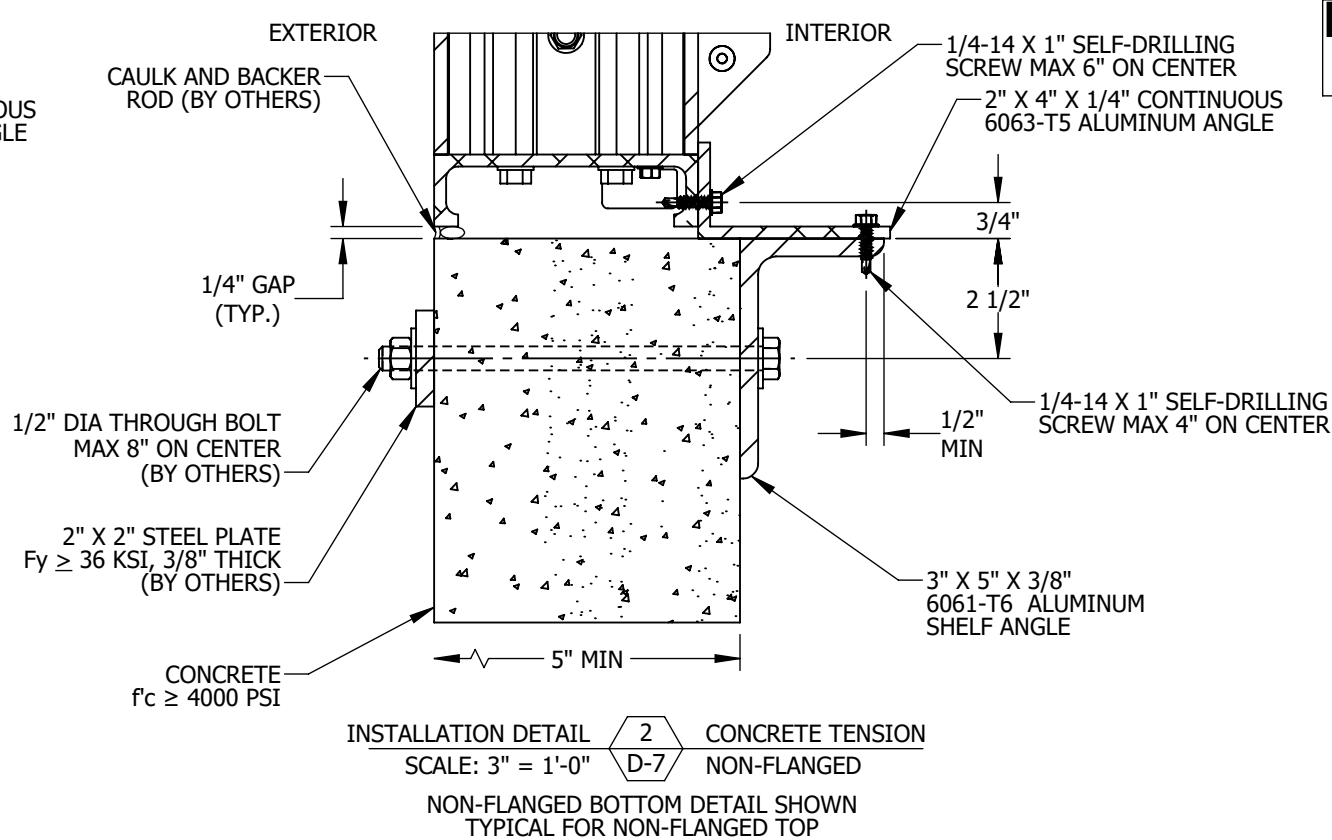
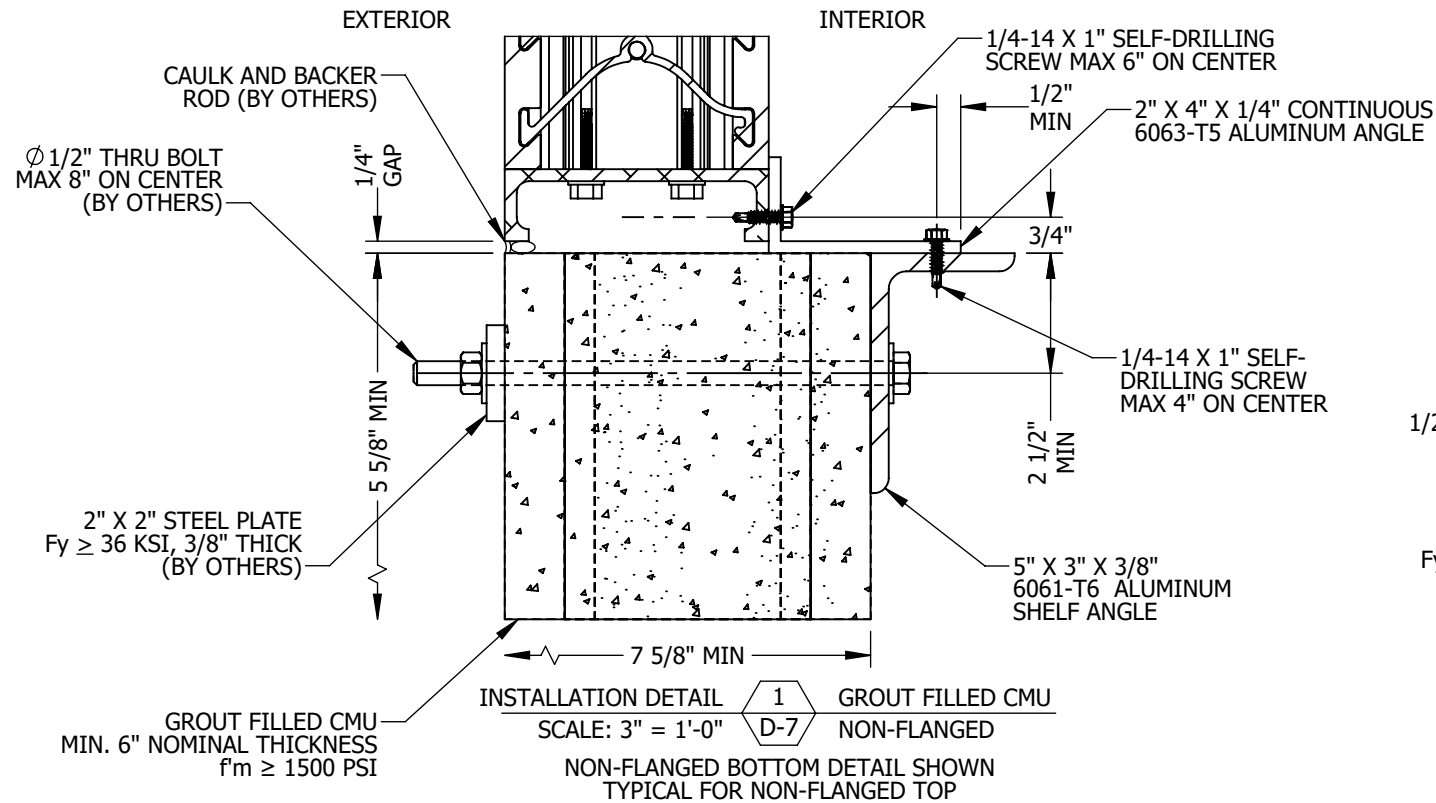
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DRAWING DESCR: INSTALLATION DETAILS, FLANGED JAMBS, EXTERNAL MOUNT				
PROJECT: XAV-545 FEMA 361/320 GRILLE ASSEMBLY & INSTALLATION DETAILS				
LOCATION:				
CUSTOMER:				
PROJ. MGR.: NATHAN WOODWORTH		DRAWN BY: LGH		
DATE: 12/14/2017	CHK'D BY: JG/nww	ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER
SHEET: 10 of 17	SCALE: AS NOTED			60133 D-6

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NON-FLANGED TOP/BOTTOM

- NOTES:
1. SEE SHEET D-11 FOR COMPREHENSIVE ANCHOR REQUIREMENT TABLE.
2. MAX ANCHOR DISTANCE FROM ENDS OF FLANGE = 1/2 x SPACING BETWEEN ANCHORS

G	UPDATE SHT'S D--7, D-8 & D-11 (ECN 25-0157)	12/11/2025	MSM
F	ECN 24-0125	12/30/2024	MSM
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D	ECN 18-0054	9/21/2018	LGH / NWW
C	REVISED STATIC PRESSURE TABLE	4/4/2018	JG
REV. NO.	DESCRIPTION	DATE	DRAWN BY

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.	
TOLERANCE UNLESS NOTED:	
X.X	±0.060
X.XX	±0.030
X.XXX	±0.010
ANGLE	±1°
FRACTION	±1/16
MAX HOLE BREAKOUT: 15% OF MATERIAL THICKNESS	

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THIRD ANGLE PROJECTION



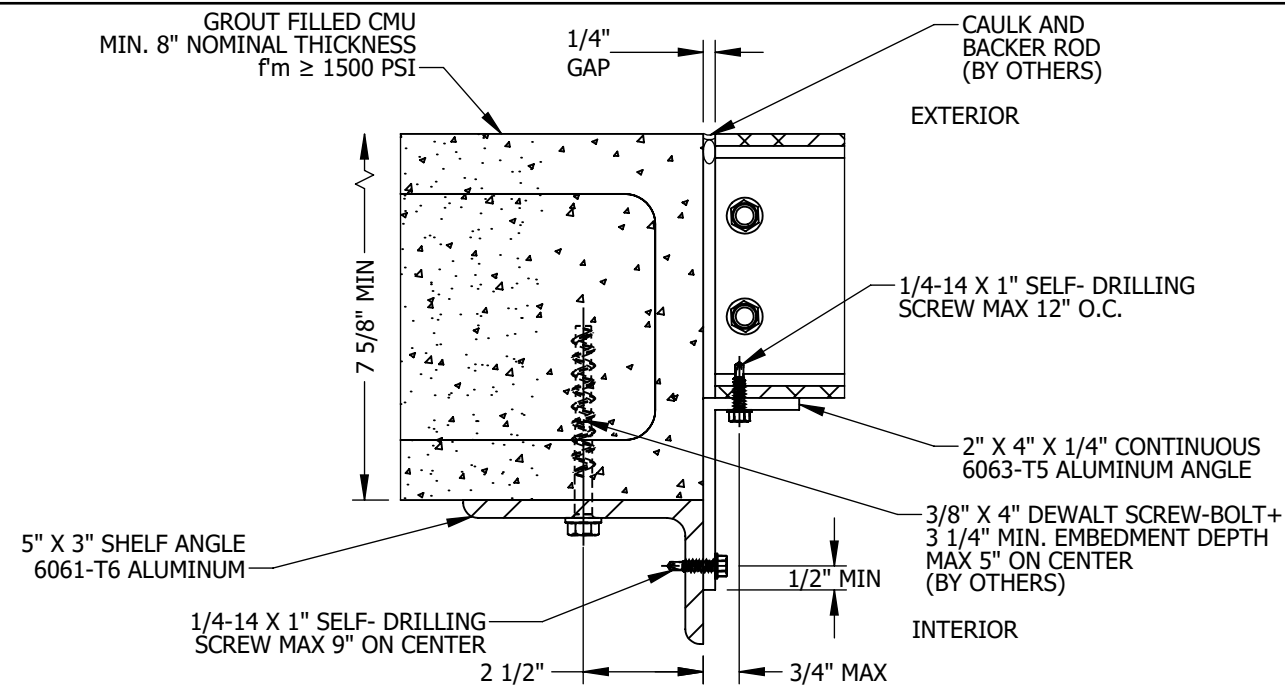
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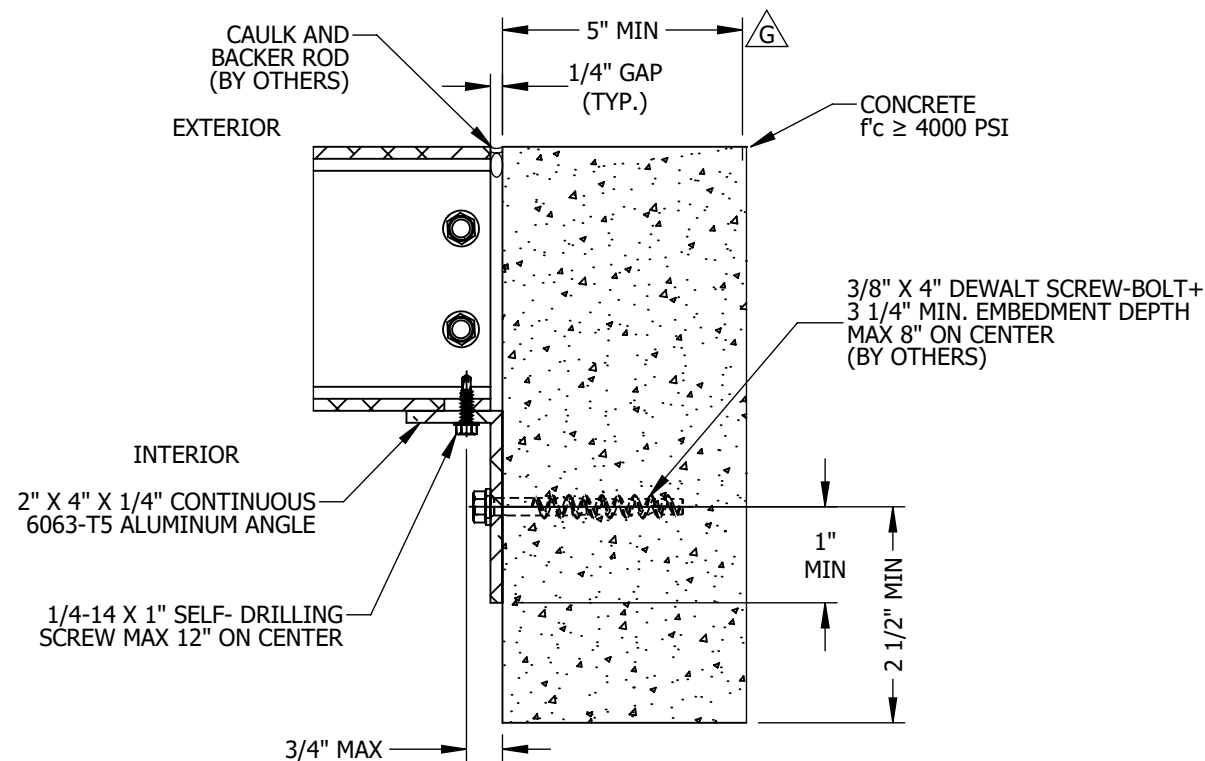
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DRAWING DESCR: INSTALLATION DETAILS, NON-FLANGED TOP/BOTTOM				
PROJECT: XAV-545 FEMA 361/320 GRILLE ASSEMBLY & INSTALLATION DETAILS				
LOCATION:				
CUSTOMER:				
PROJ. MGR.: NATHAN WOODWORTH		DRAWN BY: LGH		
DATE: 12/14/2017	CHK'D BY: JG/nww	ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER
SHEET: 11 of 17	SCALE: AS NOTED			60133 D-7

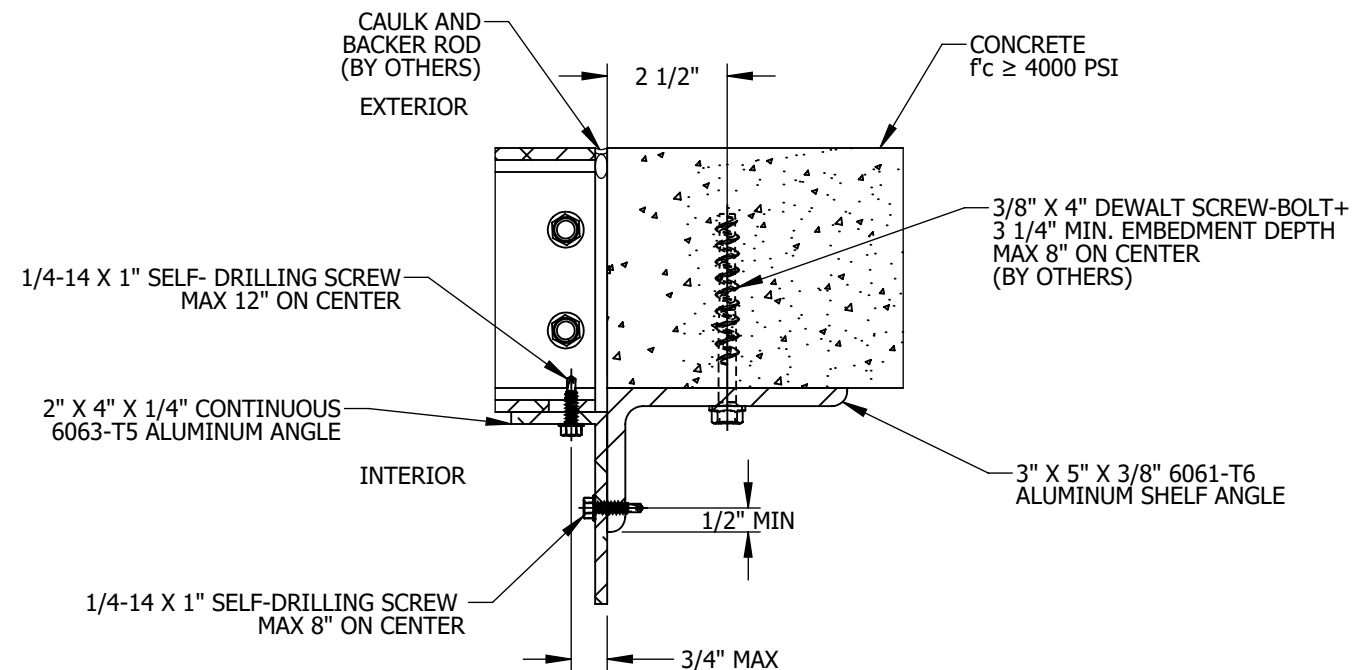
NON-FLANGED JAMBS



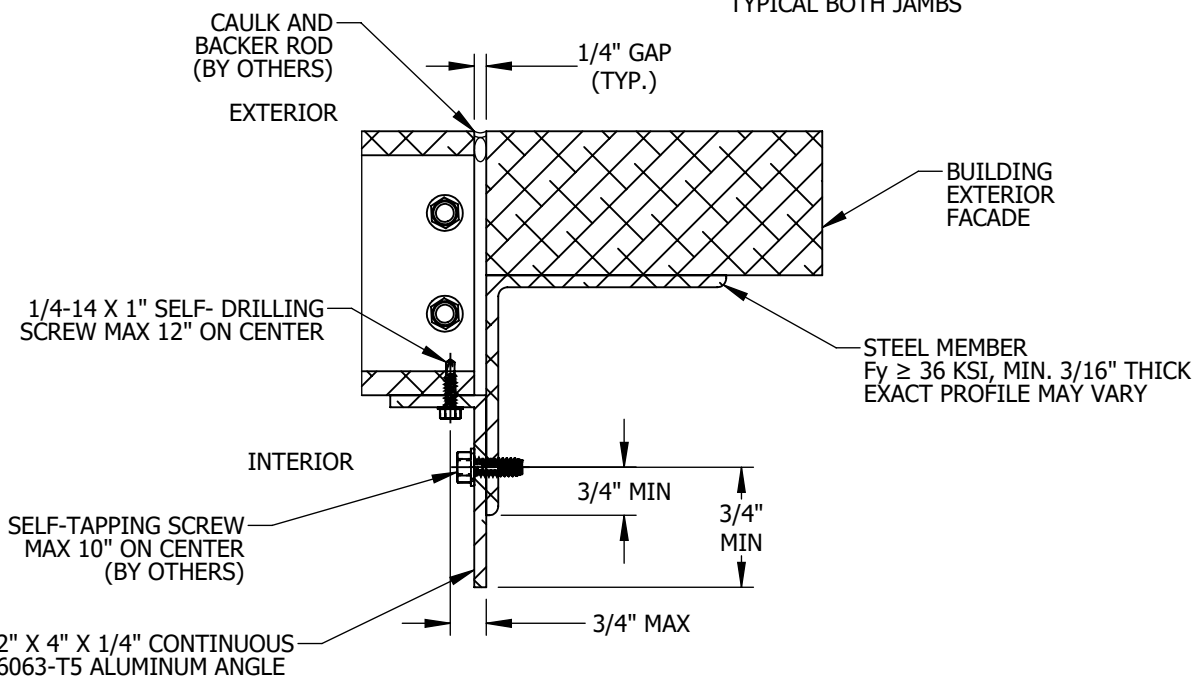
INSTALLATION DETAIL 1 GROUT FILLED CMU
SCALE: 3" = 1'-0" D-8 NON-FLANGED
TYPICAL BOTH JAMBS



INSTALLATION DETAIL 3 CONCRETE SHEAR
SCALE: 3" = 1'-0" D-8 NON-FLANGED
TYPICAL BOTH JAMBS



INSTALLATION DETAIL 2 CONCRETE TENSION
SCALE: 3" = 1'-0" D-8 NON-FLANGED
TYPICAL BOTH JAMBS



INSTALLATION DETAIL 4 STRUCTURAL STEEL
SCALE: 3" = 1'-0" D-8 NON-FLANGED
TYPICAL BOTH JAMBS NO. 1.

NOTES:
1. SEE SHEET D-11 FOR COMPREHENSIVE ANCHOR REQUIREMENT TABLE.
2. MAX ANCHOR DISTANCE FROM ENDS OF FLANGE = $1/2 \times$ SPACING BETWEEN ANCHORS

G	UPDATE SHT'S D--7, D-8 & D-11 (ECN 25-0157)	12/11/2025	MSM
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C	REVISED STATIC PRESSURE TABLE	4/4/2018	JG
REV. NO.	DESCRIPTION	DATE	DRAWN BY

UNLESS OTHERWISE SPECIFIED
DIMENSION ARE IN INCHES.

TOLERANCE UNLESS NOTED:

X.X	±0.060
X.XX	±0.030
X.XXX	±0.010
ANGLE	±1°
FRACTION	±1/16

MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

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THIRD ANGLE PROJECTION

The diagram illustrates the Third Angle Projection system. On the left is the front view, represented by a circle with a horizontal centerline and a vertical centerline. On the right is the top view, represented by a truncated cone with a horizontal centerline. Projection lines connect the two views: a horizontal line from the top of the front view to the top of the top view, and a vertical line from the right of the front view to the right of the top view. The top view is positioned such that its top edge is aligned with the horizontal projection line from the front view, and its right edge is aligned with the vertical projection line from the front view.

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DRAWING DESCR: INSTALLATION DETAILS, NON-FLANGED JAMBS				
PROJECT: XAV-545 FEMA 361/320 GRILLE ASSEMBLY & INSTALLATION DETAILS				
LOCATION:				
CUSTOMER:				
PROJ. MGR.: NATHAN WOODWORTH			DRAWN BY: LGH	
DATE: 12/14/2017	CHK'D BY: JG/nww	ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER
SHEET: 12 of 17	SCALE: AS NOTED			60133 D-8

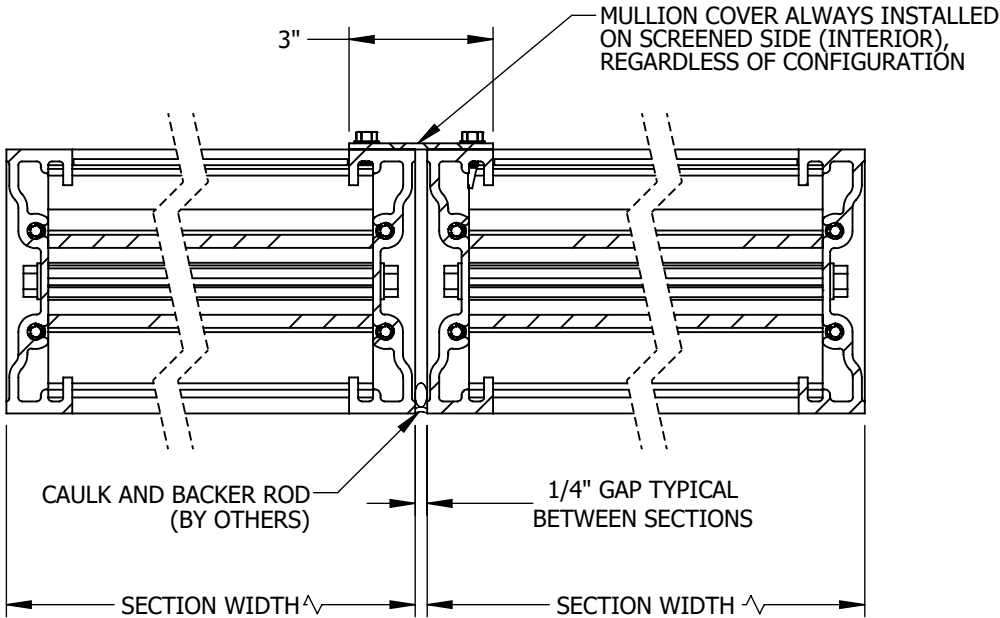
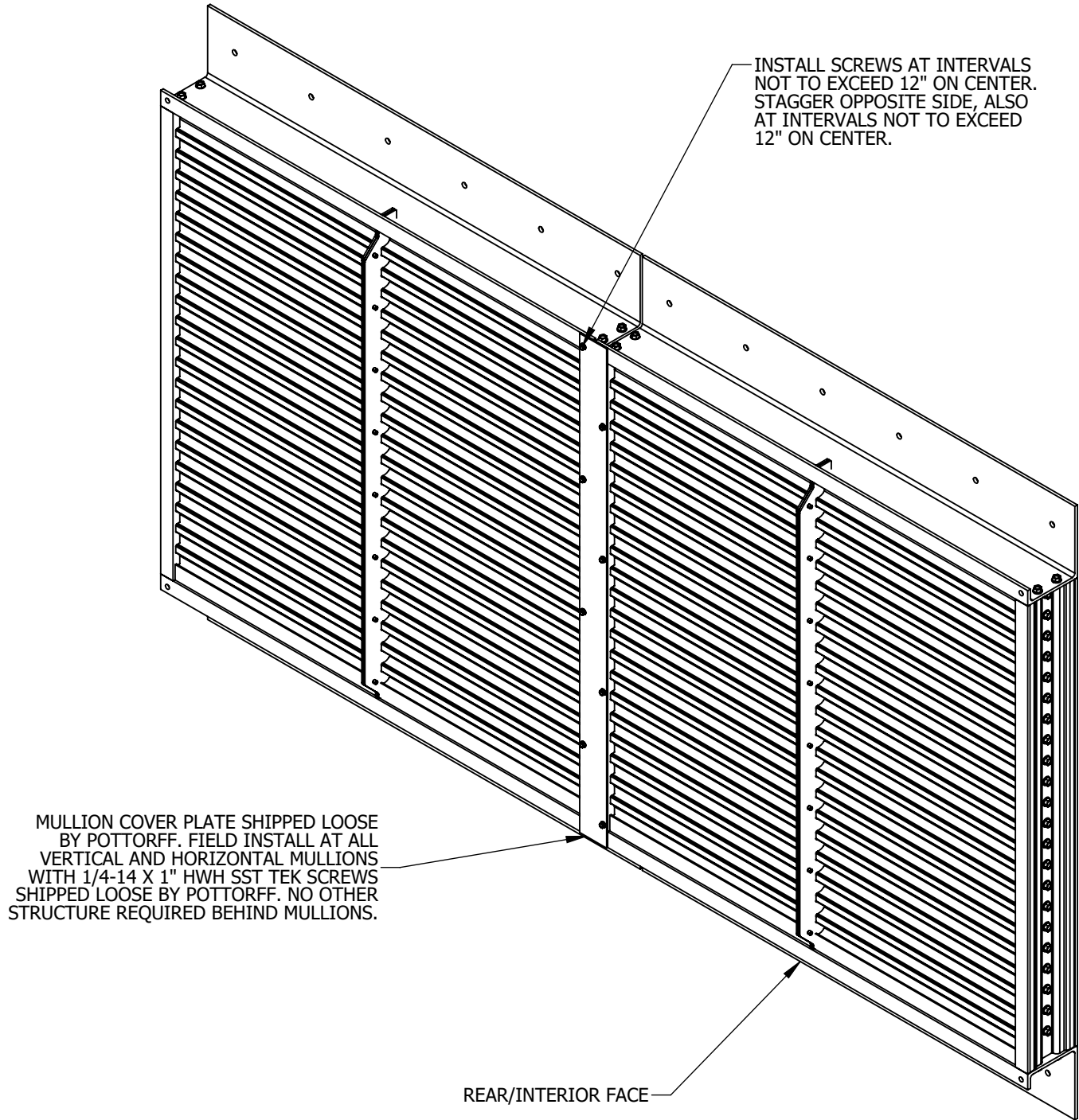
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				UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES. TOLERANCE UNLESS NOTED: X.X ±0.060 X.XX ±0.030 X.XXX ±0.010 ANGLE ±1° FRACTION ±1/16 MAX HOLE BREAKOUT: 15% OF MATERIAL THICKNESS	5101 Blue Mound Road Fort Worth, Texas 76106 Phone: 817-509-2300 Fax: 817-831-3110	ALL-LITE ARCHITECTURAL PRODUCTS THIS DRAWING AND THE DESIGN REPRESENTED ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF PCI INDUSTRIES AND MAY NOT BE DISCLOSED, LOANED, COPIED, OR USED FOR ANY PURPOSE OTHER THAN DESIGN REVIEW AND APPROVAL WITHOUT THE EXPRESS WRITTEN CONSENT OF PCI INDUSTRIES.	DRAWING DESCR: SCREEN INSTALLATION DETAILS						
G	UPDATE SHT'S D--7, D-8 & D-11 (ECN 25-0157)		12/11/2025				MSM	PROJECT: XAV-545 FEMA 361/320 GRILLE ASSEMBLY & INSTALLATION DETAILS					
F	ECN 24-0125		12/30/2024				MSM	LOCATION:					
E	ECN 21-0020		3/11/2021				MRS	CUSTOMER:					
D	ECN 18-0054		9/21/2018				LGH / NWW	PROJ. MGR.: NATHAN WOODWORTH				DRAWN BY: LGH	
C	REVISED STATIC PRESSURE TABLE		4/4/2018				JG	DATE: 12/14/2017	CHK'D BY: JG/nww	ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER	
REV. NO.	DESCRIPTION		DATE				DRAWN BY	SHEET: 13 of 17					SCALE: 1"=1'-0"

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MULLION COVER
INSTALLATION



SECTION VIEW C MULLION INSTALLATION
1-1/2" = 1'-0" D-10 E-2

HORIZONTAL SECTION SHOWN
VERTICAL SECTION SIMILAR

MULTI-SECTION ASSEMBLY
TOP/BOTTOM FLANGE INTERNAL MOUNT SHOWN
ALL OTHER CONFIGURATIONS SIMILAR

G	UPDATE SHT'S D--7, D-8 & D-11 (ECN 25-0157)	12/11/2025	MSM
F	ECN 24-0125	12/30/2024	MSM
E	ECN 21-0020	3/11/2021	MRS
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C	REVISED STATIC PRESSURE TABLE	4/4/2018	JG
REV. NO.	DESCRIPTION	DATE	DRAWN BY

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X.X	±0.060
X.XX	±0.030
X.XXX	±0.010
ANGLE	±1°
FRACTION	±1/16
MAX HOLE BREAKOUT: 15% OF MATERIAL THICKNESS	

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THIRD ANGLE PROJECTION

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DRAWING DESCR: MULLION COVER INSTALLATION DETAILS				
PROJECT: XAV-545 FEMA 361/320 GRILLE ASSEMBLY & INSTALLATION DETAILS				
LOCATION:				
CUSTOMER:				
PROJ. MGR.: NATHAN WOODWORTH		DRAWN BY: LGH		
DATE: 12/14/2017	CHK'D BY: JG/nww	ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER
SHEET: 14 of 17	SCALE: 1"=10"			60133 D-10

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ANCHOR REQUIREMENTS

TABLE 3: XAV-545 ANCHOR REQUIREMENTS						
ATTACHMENT METHOD	ATTACHMENT LOCATION	BUILDING SUBSTRATE	ANCHOR TYPE	MIN EDGE DISTANCE	MAX SPACING	MIN EMBEDMENT DEPTH
FLANGE-MOUNTED (INTERNAL OR EXTERNAL MOUNT)	JAMBS	GROUT-FILLED CMU ($f'm \geq 1500$ PSI)	3/8" X 4" DEWALT SCREW-BOLT+	2 1/2"	12"	3 1/4"
		CONCRETE ($f'c \geq 4000$ PSI CRACKED)	3/8" X 4" DEWALT SCREW-BOLT+	2 1/2"	17"	3 1/4"
		STEEL (MIN 3/16" THICK, $F_y \geq 36$ KSI)	3/8" SELF-TAPPING SCREW, GR. 5 STEEL	3/4"	20"	3/16"
	TOP & BOTTOM	GROUT-FILLED CMU ($f'm \geq 1500$ PSI)	3/8" X 4" DEWALT SCREW-BOLT+	2 1/2"	6"	3 1/4"
		CONCRETE ($f'c \geq 4000$ PSI CRACKED)	3/8" X 4" DEWALT SCREW-BOLT+	2 1/2"	10"	3 1/4"
		STEEL (MIN 3/16" THICK, $F_y \geq 36$ KSI)	3/8" SELF-TAPPING, GR. 5 STEEL	3/4"	10"	3/16"
CONTINUOUS ANGLES (NON-FLANGED, INTERNAL MOUNT ONLY)	JAMBS SHELF ANGLE ANCHORS	GROUT-FILLED CMU ($f'm \geq 1500$ PSI)	3/8" X 4" DEWALT SCREW-BOLT+	2 1/2"	5"	3 1/4"
		CONCRETE ($f'c \geq 4000$ PSI, CRACKED)	3/8" X 4" DEWALT SCREW-BOLT+	2 1/2"	8"	3 1/4"
	JAMBS CONT. ANGLE ANCHORS	CONCRETE ($f'c \geq 4000$ PSI, CRACKED)	3/8" X 4" DEWALT SCREW-BOLT+	2 1/2"	8"	3 1/4"
		STEEL (MIN 3/16" THICK, $F_y \geq 36$ KSI)	3/8" SELF-TAPPING, GR. 5 STEEL	3/4"	12"	3/16"
	TOP & BOTTOM SHELF ANGLE ANCHORS	GROUT-FILLED CMU ($f'm \geq 1500$ PSI)	1/2" THROUGH-BOLT W/ NUT & BEARING PLATE	2 1/2"	8"	7 5/8"
		CONCRETE ($f'c \geq 4000$ PSI, CRACKED)	1/2" THROUGH-BOLT W/ NUT & BEARING PLATE	2 1/2"	8"	5"
	TOP & BOTTOM CONT. ANGLE ANCHORS	CONCRETE ($f'c \geq 4000$ PSI CRACKED)	5/8" X 5" DEWALT SCREW-BOLT+	4 1/8"	12"	4"
		STEEL (MIN 3/16" THICK, $F_y \geq 36$ KSI)	3/8" SELF-TAPPING SCREW, GR. 5 STEEL	3/4"	8"	3/16"

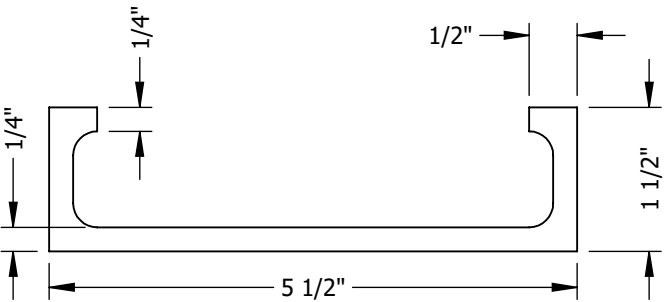


*NOTE: IT IS ACCEPTABLE TO SUBSTITUTE 3/8-16 BOLTS, NUTS, AND FLAT WASHERS INSTEAD OF 3/8" SELF-TAPPING SCREWS.

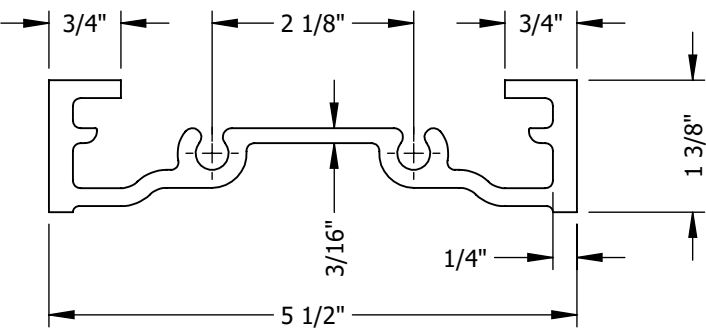
				UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES. TOLERANCE UNLESS NOTED: X.X ±0.060 X.XX ±0.030 X.XXX ±0.010 ANGLE ±1° FRACTION ±1/16 MAX HOLE BREAKOUT: 15% OF MATERIAL THICKNESS	5101 Blue Mound Road Fort Worth, Texas 76106 Phone: 817-509-2300 Fax: 817-831-3110	ALL-LITE ARCHITECTURAL PRODUCTS THIS DRAWING AND THE DESIGN REPRESENTED ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF PCI INDUSTRIES AND MAY NOT BE DISCLOSED, LOANED, COPIED, OR USED FOR ANY PURPOSE OTHER THAN DESIGN REVIEW AND APPROVAL WITHOUT THE EXPRESS WRITTEN CONSENT OF PCI INDUSTRIES.	DRAWING DESCR: ANCHOR REQUIREMENTS					
G	UPDATE SHT'S D--7, D-8 & D-11 (ECN 25-0157)		12/11/2025				MSM	PROJECT: XAV-545 FEMA 361/320 GRILLE ASSEMBLY & INSTALLATION DETAILS				
F	ECN 24-0125		12/30/2024				MSM	LOCATION:				
E	ECN 21-0020		3/11/2021				MRS	CUSTOMER:				
D	ECN 18-0054		9/21/2018				LGH / NWW	PROJ. MGR.: NATHAN WOODWORTH		DRAWN BY: LGH		
C	REVISED STATIC PRESSURE TABLE		4/4/2018				JG	DATE: 12/14/2017	CHK'D BY: JG/nww	ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER
REV. NO.	DESCRIPTION		DATE				DRAWN BY	SHEET: 15 of 17		SCALE: NONE		60133 D-11

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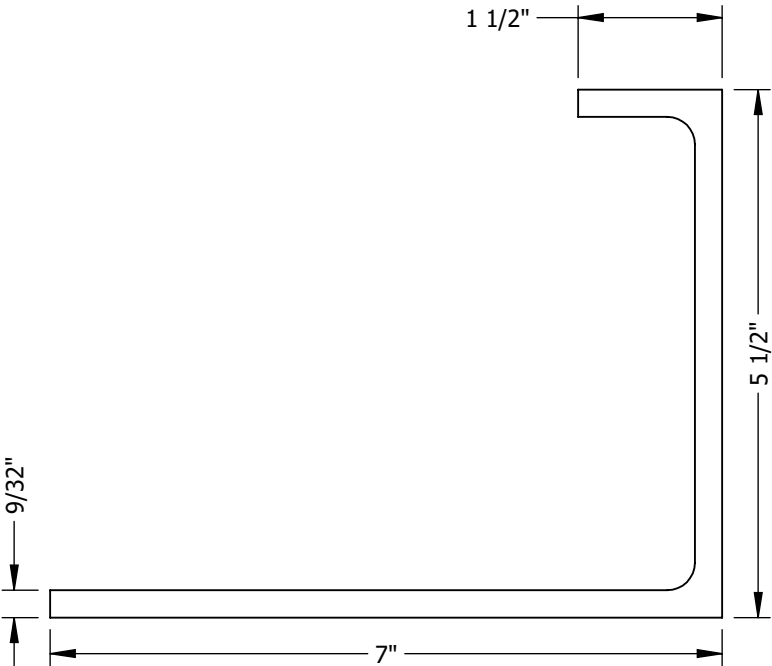
DESCRIPTION: NON-FLANGED HEAD/SILL EXTRUSION
MATERIAL: 6005A-T61 ALUMINUM
POTTORFF PART NO: 59976
SCALE: 6" = 1'-0"



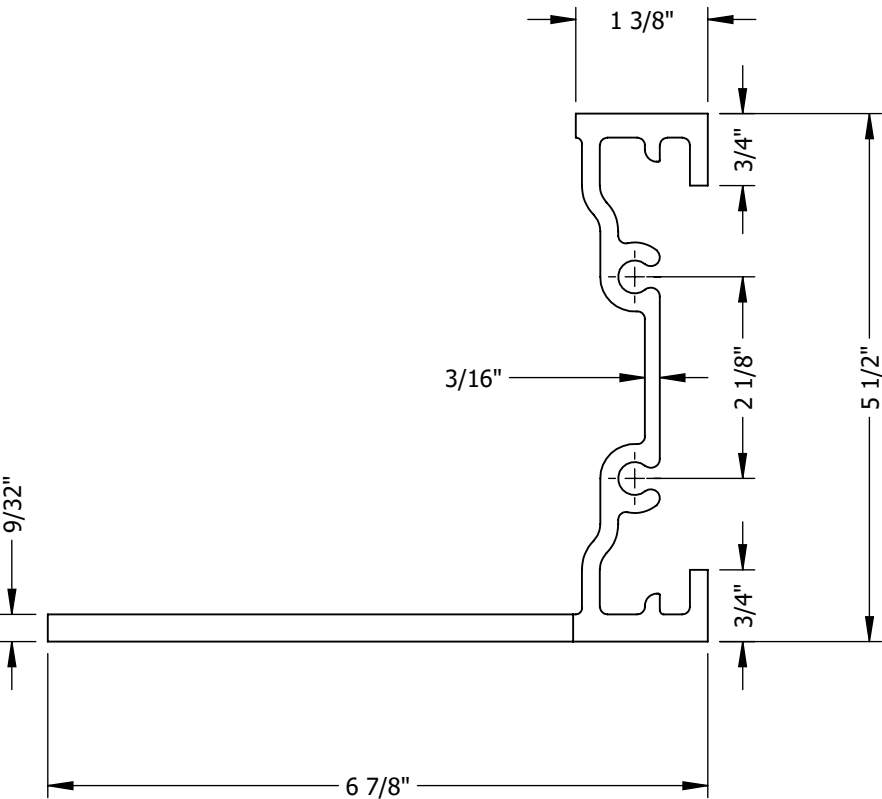
DESCRIPTION: NON-FLANGED JAMB EXTRUSION
MATERIAL: 6005A-T61 ALUMINUM
POTTORFF PART NO: 70240
SCALE: 6" = 1'-0"



DESCRIPTION: FLANGED HEAD/SILL EXTRUSION
MATERIAL: 6005A-T61 ALUMINUM
POTTORFF PART NO: 59977
SCALE: 6" = 1'-0"



DESCRIPTION: FLANGED JAMB EXTRUSION
MATERIAL: 6005A-T61 ALUMINUM
POTTORFF PART NO: 70241
SCALE: 6" = 1'-0"



G	UPDATE SHT'S D--7, D-8 & D-11 (ECN 25-0157)	12/11/2025	MSM
F	ECN 24-0125	12/30/2024	MSM
E	ECN 21-0020	3/11/2021	MRS
D	ECN 18-0054	9/21/2018	LGH / NWW
C	REVISED STATIC PRESSURE TABLE	4/4/2018	JG
REV. NO.	DESCRIPTION	DATE	DRAWN BY

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.	
TOLERANCE UNLESS NOTED:	
X.X	±0.060
X.XX	±0.030
X.XXX	±0.010
ANGLE	±1°
FRACTION	±1/16
MAX HOLE BREAKOUT: 15% OF MATERIAL THICKNESS	

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THIRD ANGLE PROJECTION	

ALL-LITE

ARCHITECTURAL PRODUCTS

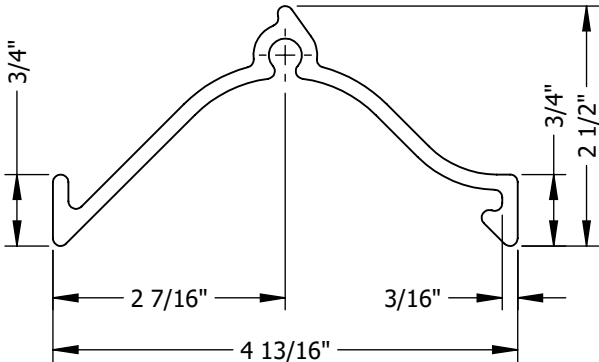
THIS DRAWING AND THE DESIGN REPRESENTED ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF PCI INDUSTRIES AND MAY NOT BE DISCLOSED, LOANED, COPIED, OR USED FOR ANY PURPOSE OTHER THAN DESIGN REVIEW AND APPROVAL WITHOUT THE EXPRESS WRITTEN CONSENT OF PCI INDUSTRIES.

DRAWING DESCR: EXTRUDED PART DETAILS				
PROJECT: XAV-545 FEMA 361/320 GRILLE ASSEMBLY & INSTALLATION DETAILS				
LOCATION:				
CUSTOMER:				
PROJ. MGR.: NATHAN WOODWORTH		DRAWN BY: LGH		
DATE: 12/14/2017	CHK'D BY: JG/nww	ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER
SHEET: 16 of 17	SCALE: AS NOTED			60133 D-12

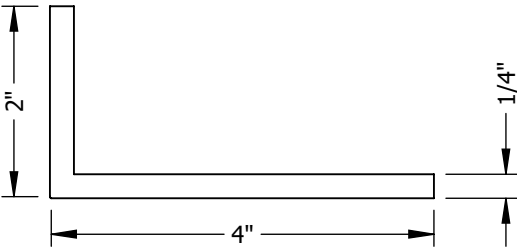
I:\Engineering Library\ECN-EIN\2025\ECN 25-0157 - XAV-545 update to Rice Stamped Dwg\SW Files\

EXTRUDED PART
DETAILS

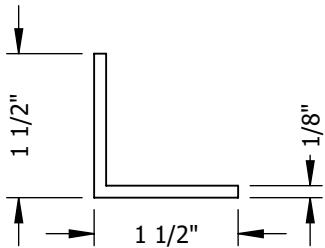
DESCRIPTION: BLADE XAV-545 W/CREW BOSS
MATERIAL: 6005-T6 ALUMINUM
POTTORFF PART NO: 63165
SCALE: 6" = 1'



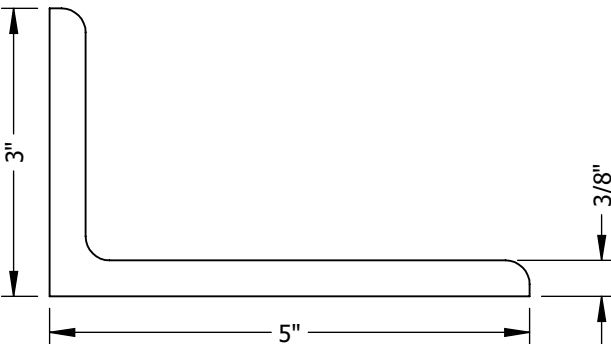
DESCRIPTION: 2" X 4" X 1/4" ANGLE
MATERIAL: 6063-T5 ALUMINUM
POTTORFF PART NO: 12937
SCALE: 6" = 1'-0"



DESCRIPTION: 1-1/2" X 1-1/2" X 1/8" ANGLE
MATERIAL: 6063-T5 ALUMINUM
POTTORFF PART NO: 51524
SCALE: 6" = 1'



DESCRIPTION: 3" X 5" X 3/8" ANGLE
MATERIAL: 6061-T6 ALUMINUM
POTTORFF PART NO: 50498
SCALE: 6" = 1'-0"



				UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES. TOLERANCE UNLESS NOTED: X.X ±0.060 X.XX ±0.030 X.XXX ±0.010 ANGLE ±1° FRACTION ±1/16 MAX HOLE BREAKOUT: 15% OF MATERIAL THICKNESS	5101 Blue Mound Road Fort Worth, Texas 76106 Phone: 817-509-2300 Fax: 817-831-3110	ALL-LITE ARCHITECTURAL PRODUCTS THIS DRAWING AND THE DESIGN REPRESENTED ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF PCI INDUSTRIES AND MAY NOT BE DISCLOSED, LOANED, COPIED, OR USED FOR ANY PURPOSE OTHER THAN DESIGN REVIEW AND APPROVAL WITHOUT THE EXPRESS WRITTEN CONSENT OF PCI INDUSTRIES.	DRAWING DESCR: EXTRUDED PART DETAILS					
							PROJECT: XAV-545 FEMA 361/320 GRILLE ASSEMBLY & INSTALLATION DETAILS					
					LOCATION:							
					CUSTOMER:							
					PROJ. MGR.: NATHAN WOODWORTH			DRAWN BY: LGH				
					DATE: 12/14/2017		CHK'D BY: JG/nww		ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER	
					SHEET: 17 of 17		SCALE: AS NOTED				60133 D-13	
REV. NO.	DESCRIPTION			DATE	DRAWN BY							
G	UPDATE SHT'S D--7, D-8 & D-11 (ECN 25-0157)			12/11/2025	MSM							
F	ECN 24-0125			12/30/2024	MSM							
E	ECN 21-0020			3/11/2021	MRS							
D	ECN 18-0054			9/21/2018	LGH / NWW							
C	REVISED STATIC PRESSURE TABLE			4/4/2018	JG							

THIRD ANGLE PROJECTION

