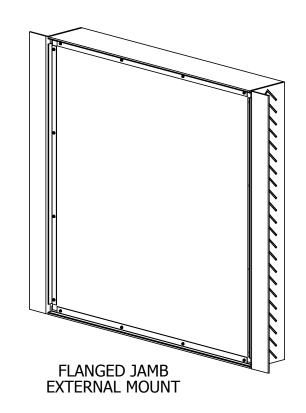
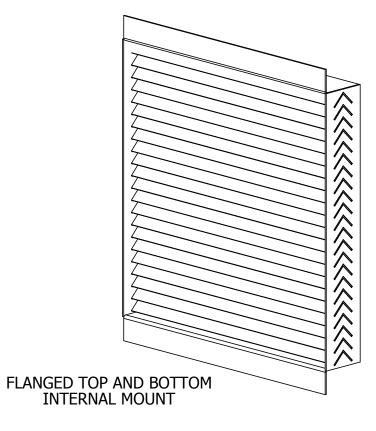
											Width (Inches)									
		6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
	6	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
	12	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
	18	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
	24	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
	30	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
S)	36	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
che	42	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
(Inc	48	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
ht (54	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
Heig	60	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
≚	66	300	300	300	300	300	300	300	300	300	300										
	72	300	300	300	300	300	300	300	300	300	300										
	78	300	300	300	300	300	300	300	300	300	300										
	84	300	300	300	300	300	300	300	300	300	300										
	90	300	300	300	300	300	300	300	300	300	290										
	96	300	300	300	300	300	300	300	300	290	260										

CHART 1 - ALLOWABLE POUNDS/SQUARE FOOT FOR MULTI-SECTION AND FLANGED HEAD / BOTTOM STEEL GRILLES FLANGED JAMB UNITS ARE GOOD FOR 300 PSF FOR ALL SIZES





UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.

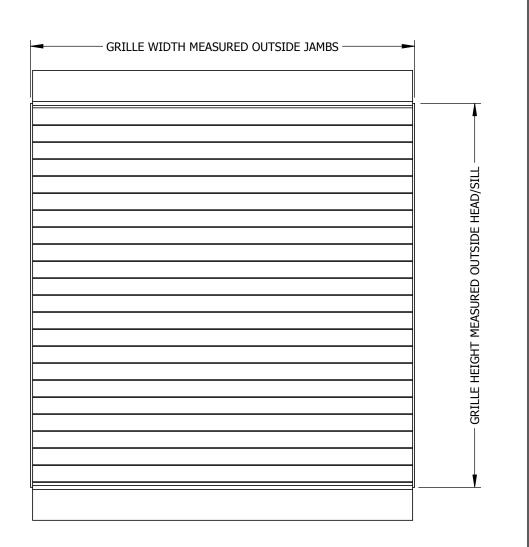
TOLERANCE UNLESS NOTED: X.X X.XX ±0.030 ±0.015 X.XXX ±0.010 ANGLE FRACTION ±1/16

MAX HOLE BREAKOUT: 15% OF MATERIAL THICKNESS 5101 Blue Mound Road Fort Worth, Texas 76106 Phone: 817-509-2300 Fax: 817-831-3110

THIRD ANGLE PROJECTION



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



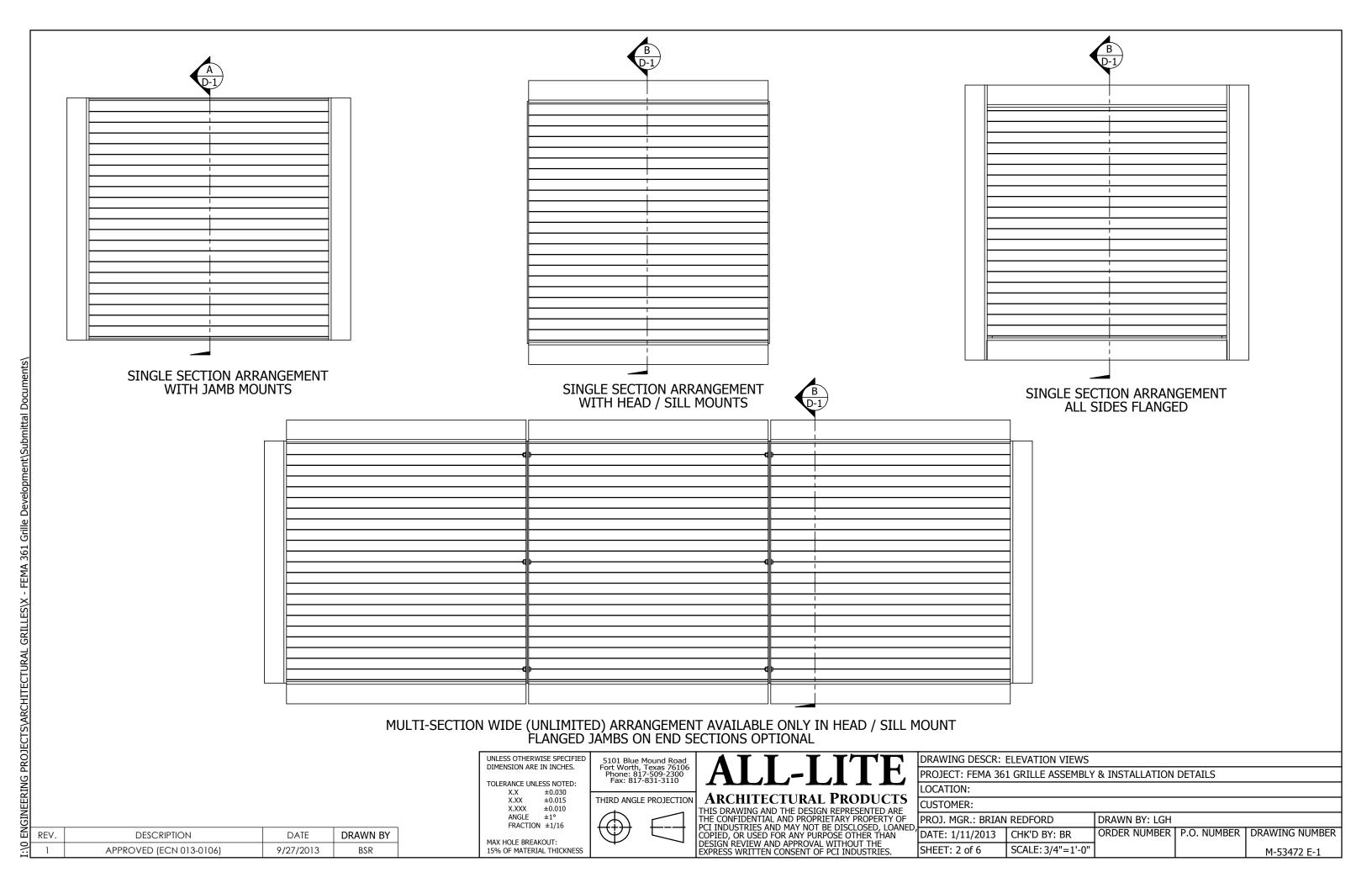
FOR INTERNAL MOUNT UNITS - GRILLE IS SIZED 1/2" UNDER NOMINAL SIZE FOR EXTERNAL MOUNT UNITS - GRILLE IS SIZED 1/2" OVER NOMIAL SIZE

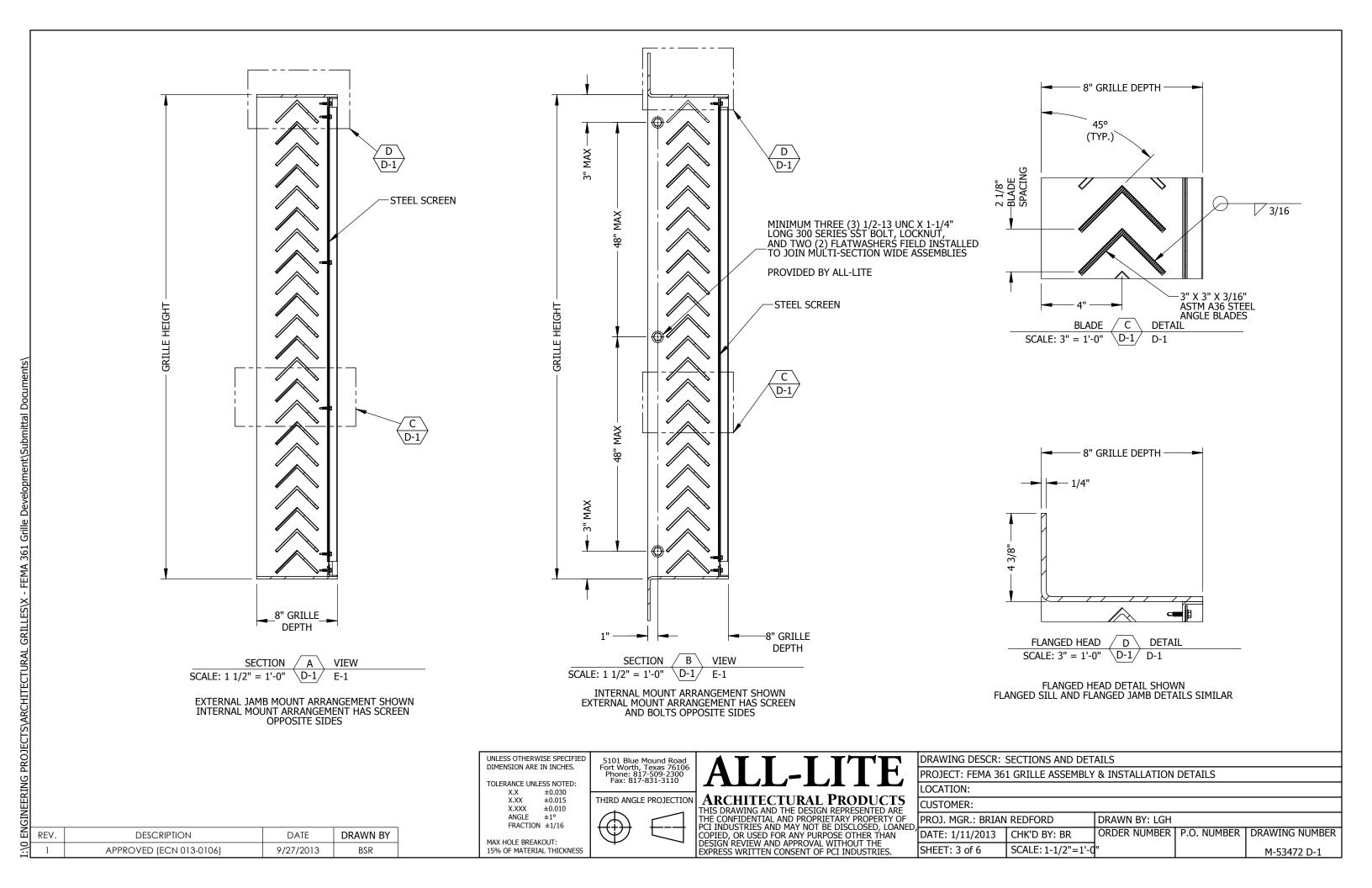
- 1. THIS DRAWING INCLUDES INSTALLATION DETAILS TO ATTAIN MAXIMUM DESIGN PRESSURES PER CHART 1 AND FEMA 320/361 LARGE MISSILE IMPACT TESTS.
 2. GRILLE TESTED FOR LARGE MISSILE IMPACT TEST WITH 15 LB 2 X 4 AND 100 MPH
- 3. IT IS ASSUMED THAT THE GRILLE SYSTEMS DO NOT SUPPORT ANY LOADS TRANSFERRED FROM THE BUILDING CONDITION.
- 4. IT IS ASSUMED THAT THE BUILDING CONDITIONS ARE ADEQUATELY DESIGNED TO SUPPORT LOADS IMPARTED BY THE GRILLE.
- 5. GRILLE DOES NOT PREVENT MOISTURE INGRESS. CRITICAL EQUIPMENT SHOULD BE
- PROTECTED.

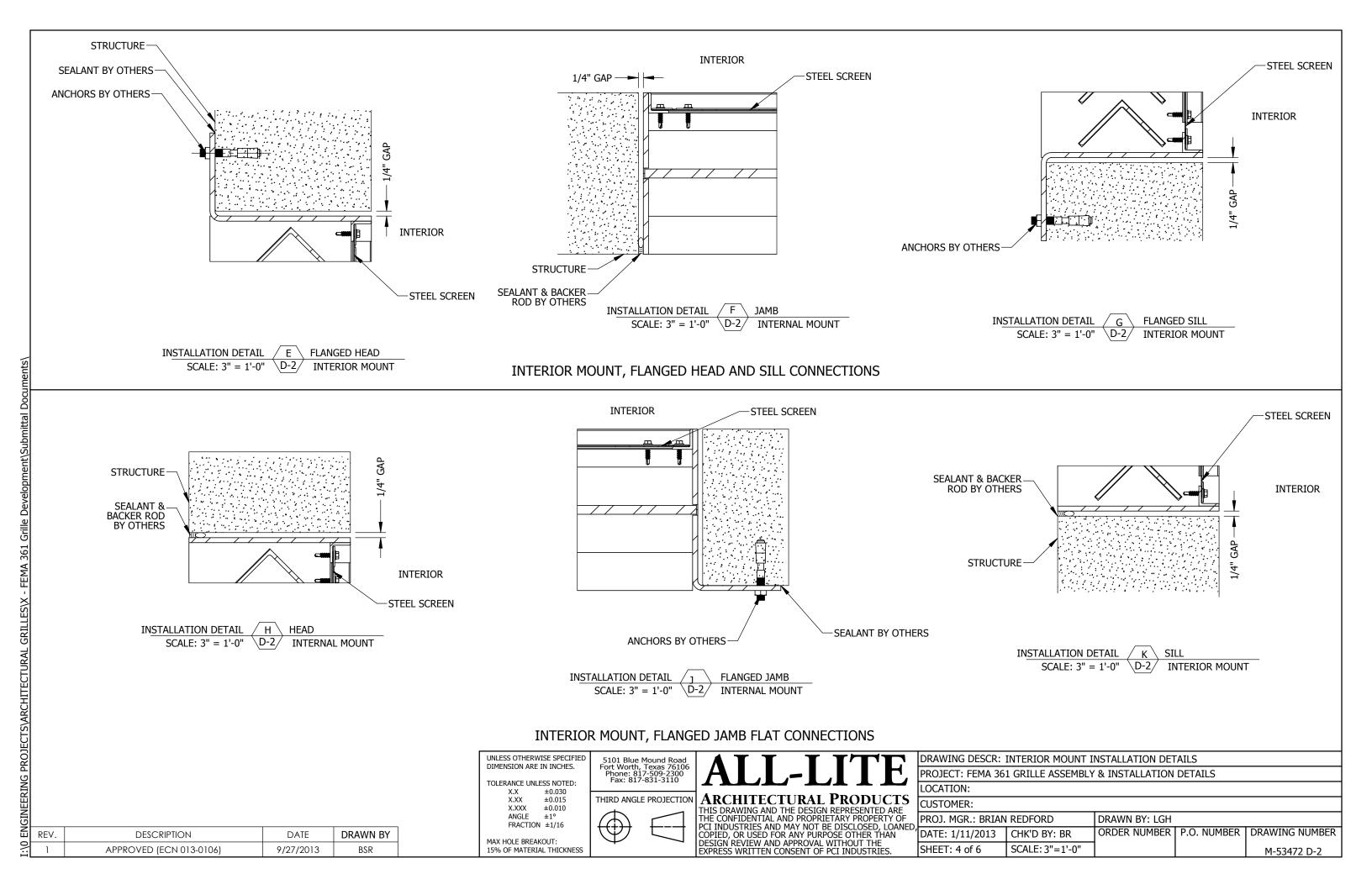
 6 MOUNTING HARDWARE AND HOLES IN GRILLE BY OTHERS.

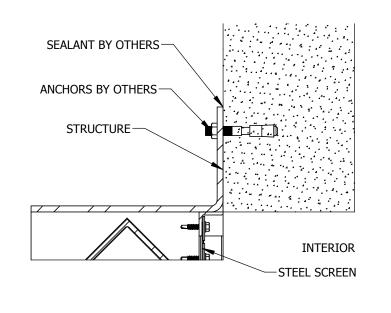
	6. MOUNTING HAR	DWARE AND HOLES	IN GRILLE DI OTI	TERS.	
	DRAWING DESCR:	COVER SHEET			
	PROJECT: FEMA 36				
	LOCATION:				
	CUSTOMER:				
: ED	PROJ. MGR.: BRIAN	REDFORD	DRAWN BY: LGH		
	DATE: 1/11/2013	CHK'D BY: BR	ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER
	SHEET: 1 of 6	SCALE:			M-53742 C-1

I:\0 ENGINEERING PROJECTS\ARCHITECTURAL GRILLES\X - FEMA 361 Grille Development\Submittal Documents\ REV. DESCRIPTION DATE DRAWN BY APPROVED (ECN 013-0106) 9/27/2013



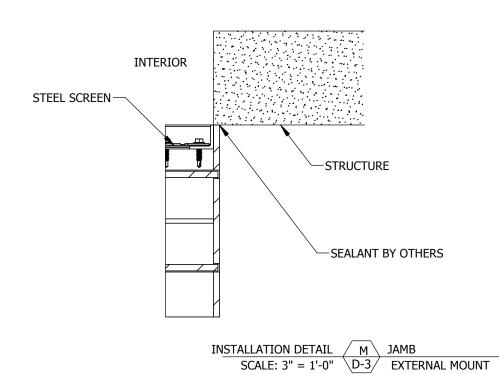


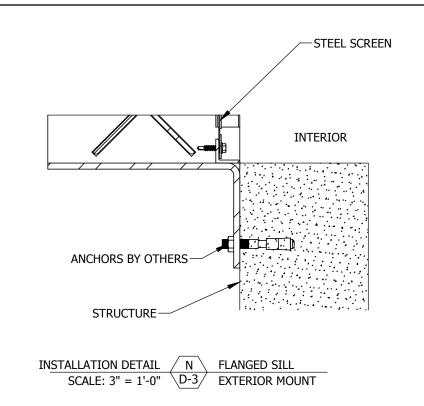




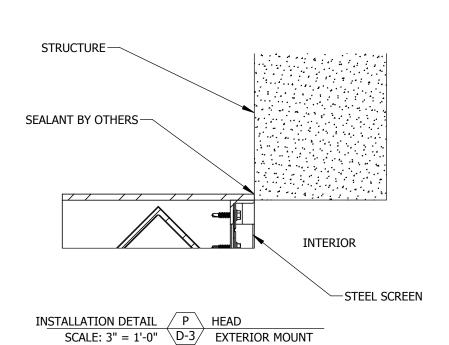
INSTALLATION DETAIL \(\bigcup \) FLANGED HEAD

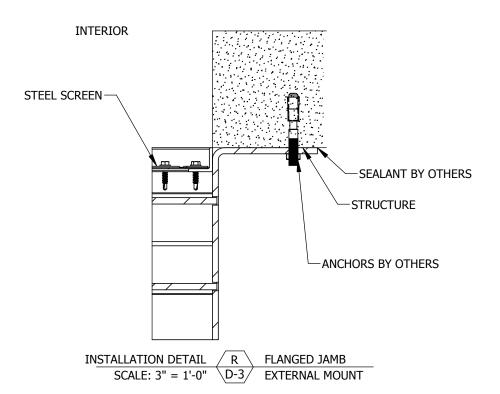
SCALE: $3'' = 1'-0'' \ D-3/ EXTERIOR MOUNT$

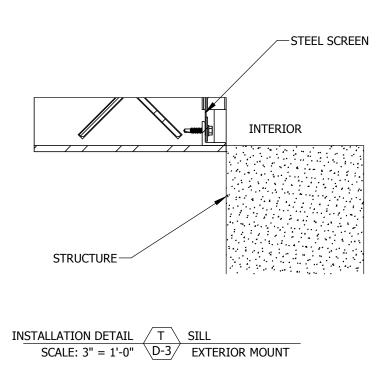




EXTERIOR MOUNT, FLANGED HEAD AND SILL CONNECTIONS







EXTERIOR MOUNT, FLANGED JAMB CONNECTIONS

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.

TOLERANCE UNLESS NOTED: X.X X.XX ±0.030 ±0.015 X.XXX ±0.010 ANGLE FRACTION ±1/16

15% OF MATERIAL THICKNESS

MAX HOLE BREAKOUT:

5101 Blue Mound Road Fort Worth, Texas 76106 Phone: 817-509-2300 Fax: 817-831-3110

THIRD ANGLE PROJECTION

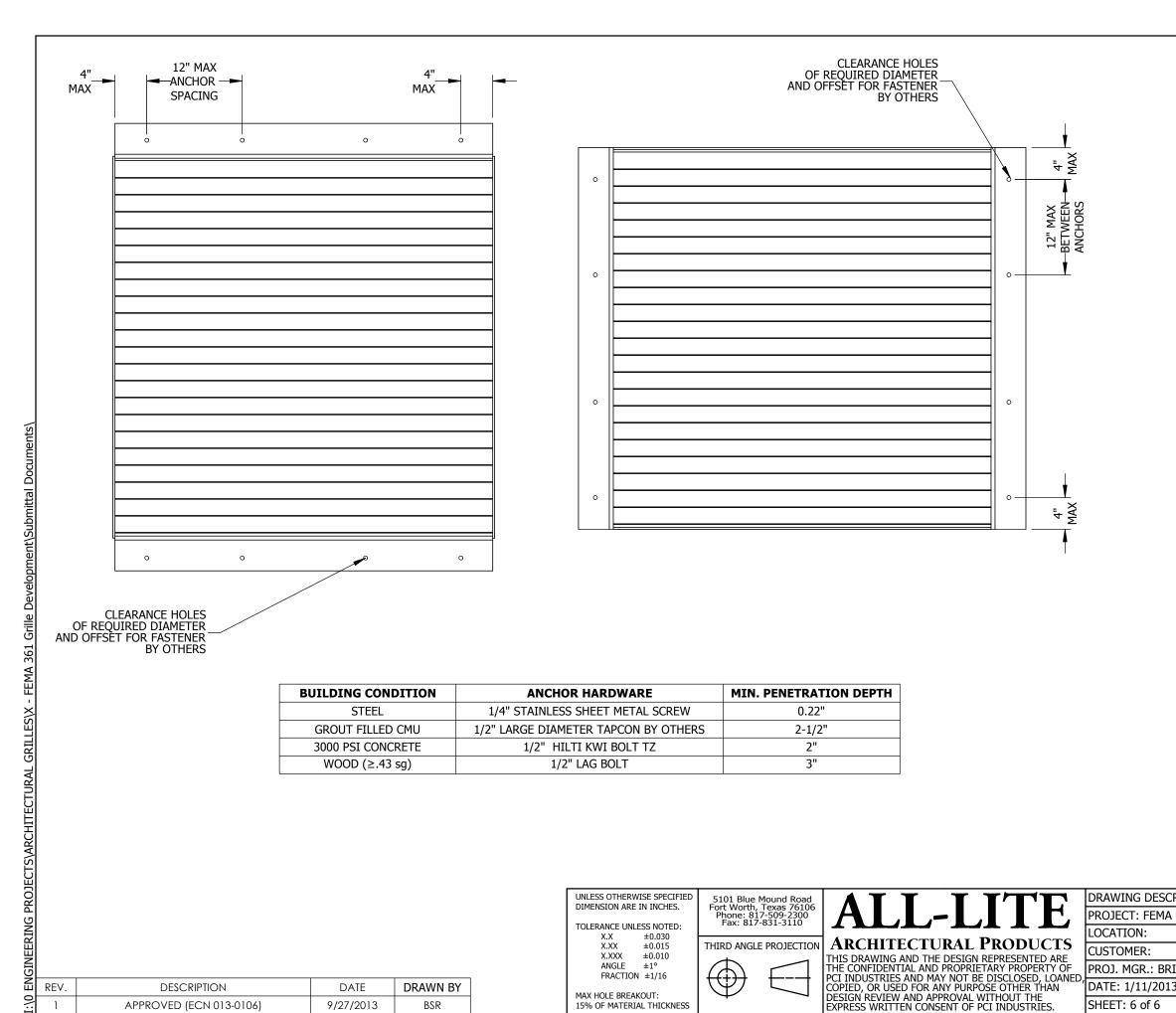
_	THI
	THE
	PCI
<u> </u>	COF
7	DES
	EXP

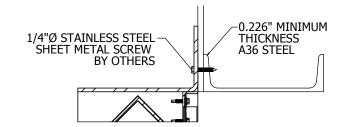
$ \mathbf{A} $					<u> </u>
ARCH	ITECTUE	RAL P	ROD	UC	TS

IS DRAWING AND THE DESIGN REPRESENTED ARE E CONFIDENTIAL AND PROPRIETARY PROPERTY OF I INDUSTRIES AND MAY NOT BE DISCLOSED, LOANED, PIED, OR USED FOR ANY PURPOSE OTHER THAN SIGN REVIEW AND APPROVAL WITHOUT THE PRESS WRITTEN CONSENT OF PCI INDUSTRIES.

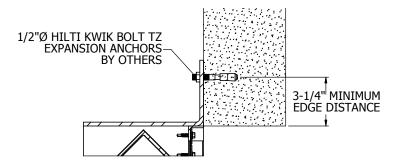
	DRAWING DESCR: EXTERNAL MOUNT INSTALLATION DETAILS							
PROJECT: FEMA 361 GRILLE ASSEMBLY & INSTALLATION DETAILS								
LOCATION:								
	CUSTOMER:							
	PROJ. MGR.: BRIAN	REDFORD	DRAWN BY: LGH					
,	DATE: 1/11/2013	CHK'D BY: BR	ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER			
	SHEET: 5 of 6	SCALE: 3"=1'-0"			M-53472 D-3			

::\0 ENGINEERING PROJECTS\ARCHITECTURAL GRILLES\X - FEMA 361 Grille Development\Submittal Doc REV. DESCRIPTION DATE DRAWN BY APPROVED (ECN 013-0106) 9/27/2013

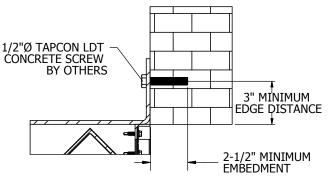




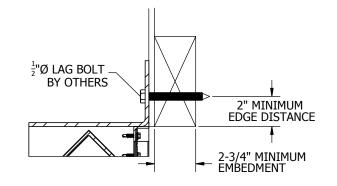
MOUNTING INTO STEEL CONDITION



MOUNTING IN 3000 PSI CONCRETE



MOUNTING IN GROUT-FILLED CMU



M-53472 D-4

MOUNTING IN WOOD BLOCKING

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.

TOLERANCE UNLESS NOTED: X.X X.XX ±0.030 ±0.015 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

THIRD ANGLE PROJECTION



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: STEEL INSTALLATION DETAIL
DDOJECT, FEMA 201 CDILLE ACCEMBLY O INCTALL

SCALE: 1"=1'-0"

PROJECT: FEMA 361 GRILLE ASSEMBLY & INSTALLATION DETAILS

LOCATION:

SHEET: 6 of 6

CUSTOMER:

PROJ. MGR.: BRIAN REDFORD DRAWN BY: LGH ORDER NUMBER | P.O. NUMBER | DRAWING NUMBER DATE: 1/11/2013 CHK'D BY: BR

REV. DESCRIPTION DRAWN BY DATE APPROVED (ECN 013-0106) 9/27/2013 BSR