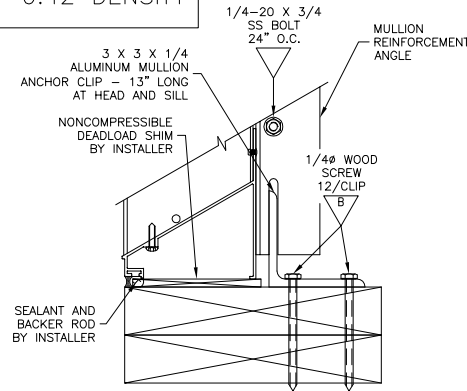
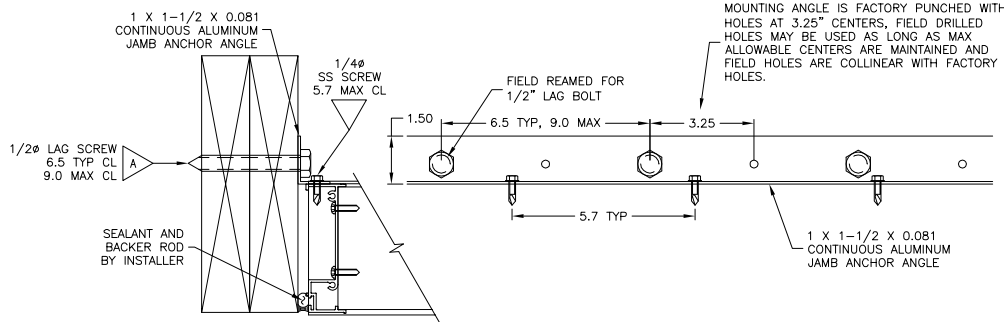
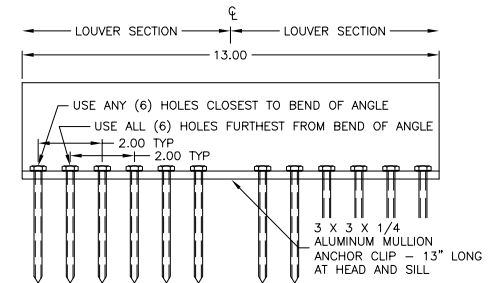


WOOD OPENING MINIMUM G = 0.42 DENSITY

(A) JAMB ANCHOR

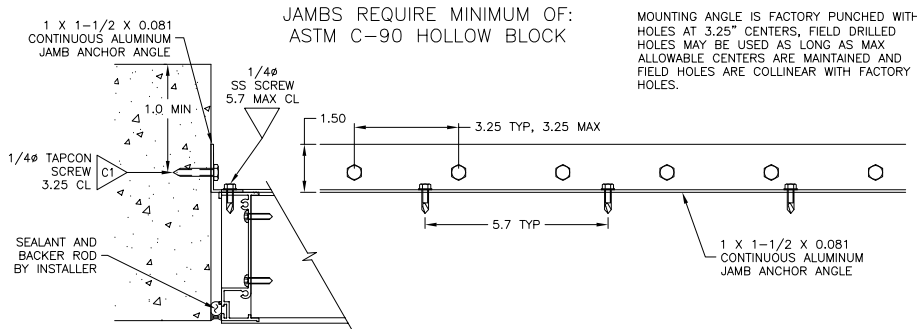


(C) MULLION ANCHOR

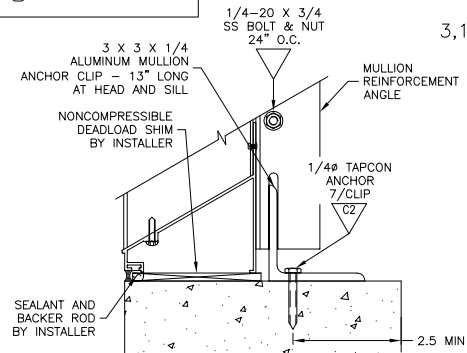


MASONRY OPENING

(A) JAMB ANCHOR

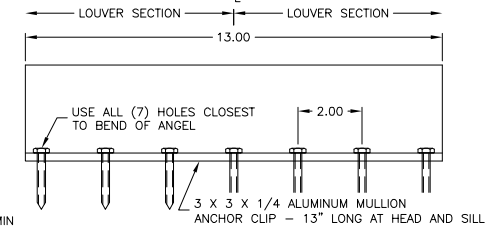


JAMBS REQUIRE MINIMUM OF:
ASTM C-90 HOLLOW BLOCK

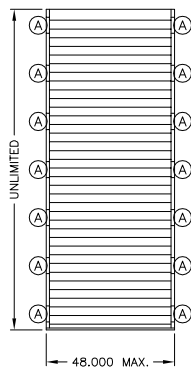


MULLION ANCHORS REQUIRE MINIMUM OF:
3,192 PSI CONCRETE OR
3,192 PSI GROUT FILLED ASTM C-90 HOLLOW BLOCK

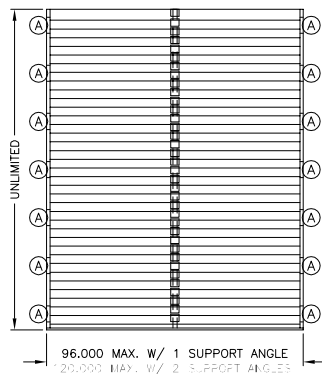
(C) MULLION ANCHOR



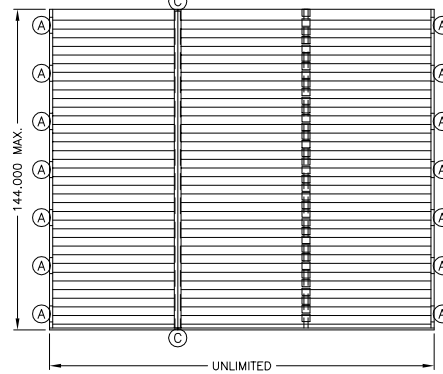
W/O SUPPORT ANGLE



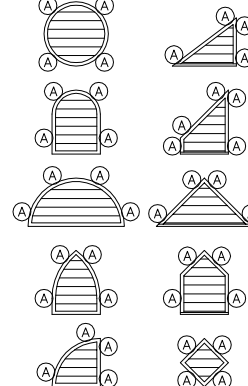
W/ SUPPORT ANGLE



MULTIPLE SECTION W/ MULLION



AVAILABLE SHAPES



FIELD FASTENER SCHEDULE (BY INSTALLER)

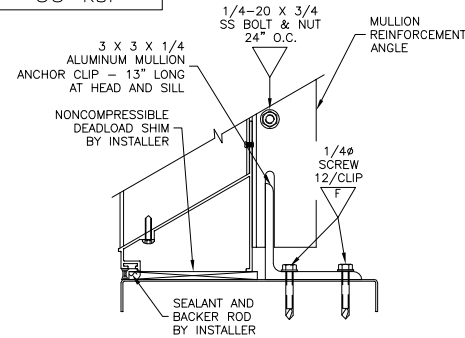
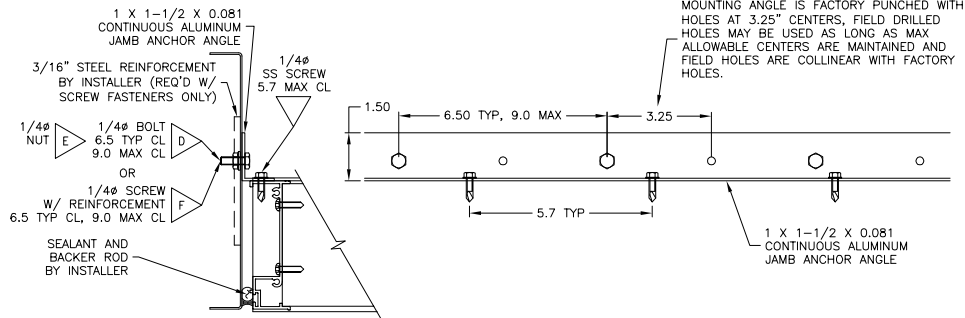
TYPE	DESCRIPTION	MIN. EMBED.	MIN. EDGE DIST.	MIN. SPACING
A	1/2" LAG SCREW	3"	2 1/2"	3"
B	1/4" WOOD SCREW	3"	1 1/2"	1 1/2"
C1	1/4" TAPCON ANCHOR	1 1/4"	1"	3.25" (MAX)
C2	1/4" TAPCON ANCHOR	1 3/4"	2.5"	2" (MAX)

INSTALLER TO PROVIDE SEPARATION OF DISSIMILAR MATERIALS AS REQUIRED

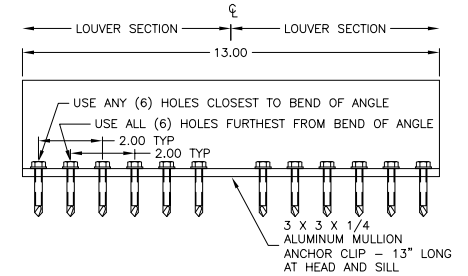
475023		INSTRUCTIONAL	
PART NO.	MAT'L	GAUGE	DESCRIPTION
GREENHECK		DRAWN BY STEELE	
P.O. BOX 410 SCHOFIELD, WISCONSIN 54476-0410		DATE 08/16/2011	
TITLE		ECCO IAN36764	
ESD-435X INSTALLATION		ENG. REF. ESD-435X	
DETAILS 1 OF 2		IOM PART # 469319	
CAB DRAWING NO.		618112	

STEEL OPENING 16 GA MINIMUM THICKNESS MINIMUM Fy = 33 ksi

Ⓐ JAMB ANCHOR

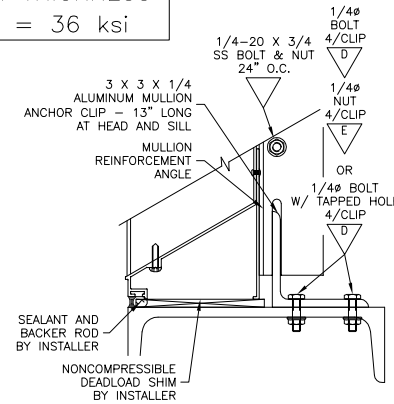
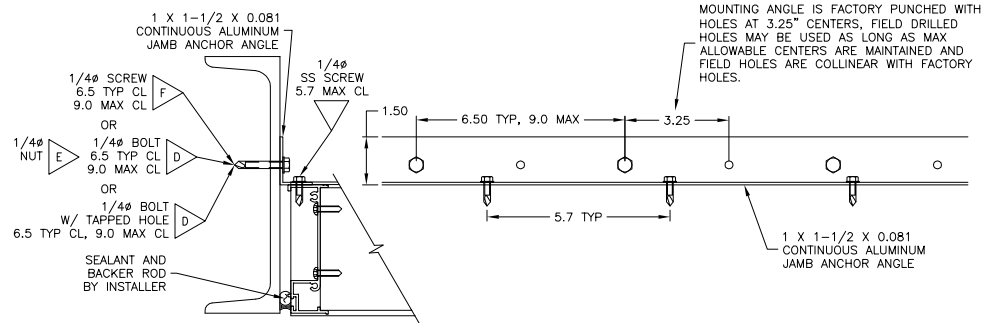


Ⓒ MULLION ANCHOR

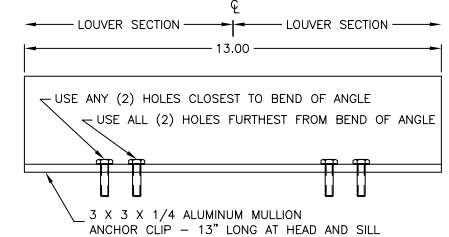


STEEL OPENING 1/4" MINIMUM THICKNESS MINIMUM Fy = 36 ksi

Ⓐ JAMB ANCHOR



Ⓒ MULLION ANCHOR



GENERAL NOTES:

- IT SHALL BE THE RESPONSIBILITY OF THE PERMIT HOLDER TO VERIFY THE STRUCTURAL INTEGRITY OF THE EXISTING STRUCTURE TO SUPPORT THE LOADS SUPERIMPOSED BY THE LOUVERS.
- INSTALLER TO PROVIDE SEPARATION OF DISSIMILAR MATERIALS AS REQUIRED.
- WOOD SUBSTRATE TO BE MINIMUM G = 0.42 DENSITY.
- CONCRETE SUBSTRATE TO BE MINIMUM 3,200 PSI.
- STEEL STUD OPENINGS (16 GA MINIMUM THICKNESS) TO BE MINIMUM Fy = 33 ksi
- STRUCTURAL STEEL OPENINGS (1/4" MINIMUM THICKNESS) TO BE MINIMUM Fy = 36 ksi.

FIELD FASTENER SCHEDULE (BY INSTALLER)

TYPE	DESCRIPTION	MIN. EMBED.	MIN. EDGE DIST.	MIN. SPACING
D	1/4" BOLT	FULL	1/2"	1"
E	1/4" NUT			
F	1/4" SCREW	FULL	1/2"	1"

INSTALLER TO PROVIDE SEPARATION OF DISSIMILAR MATERIALS AS REQUIRED

475024		INSTRUCTIONAL	
PART NO.	MAT'L	GAUGE	DESCRIPTION
PAINT		DRAWN BY	
GREENHECK		STEELE	
P.O. BOX 410 SCHOFIELD, WISCONSIN 54476-0410		DATE	
		08/16/2011	
TITLE		SUPERSEDES	
ESD-435X INSTALLATION		IOM PART #	
DETAILS 2 OF 2		46319	
CAB DRAWING NO.		B	
618142			