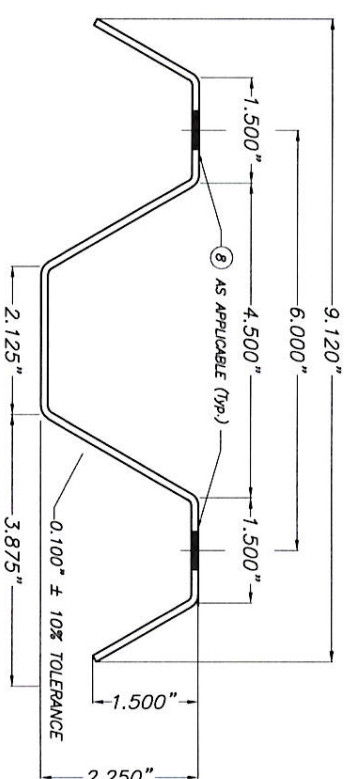
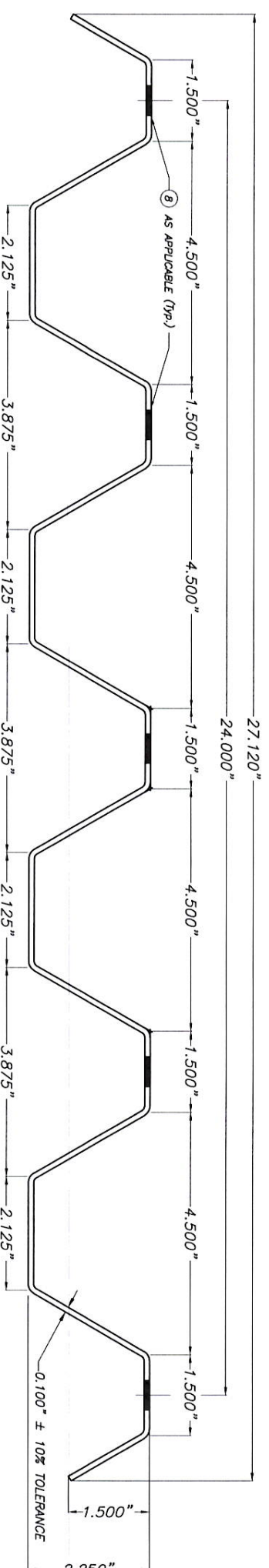


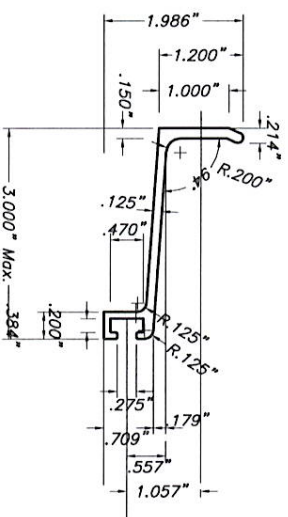
① CLEAR PANEL



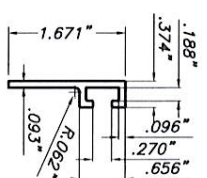
1A HALF CLEAR PANEL



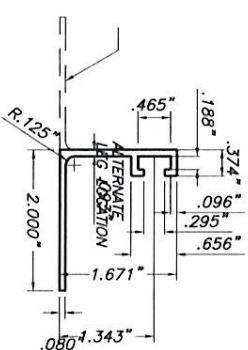
1B DOUBLE WIDE CLEAR PANEL



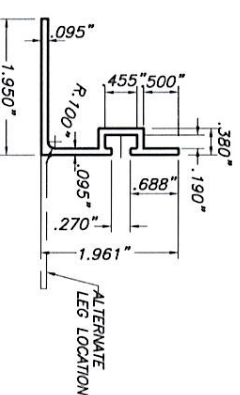
**2 3" ANGLE BUILD OUT
BRACKET**



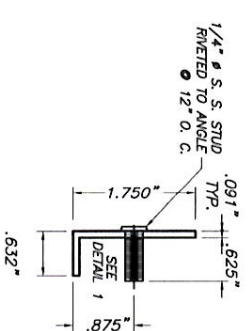
③ 3/8" B.O.
"F" TRACK



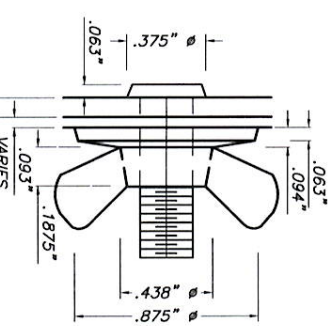
4 "F" TRACK ANGLE



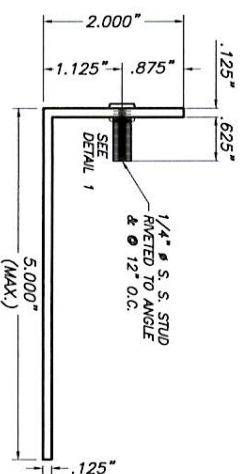
5 REVERSED "F" ANGLE TRACK



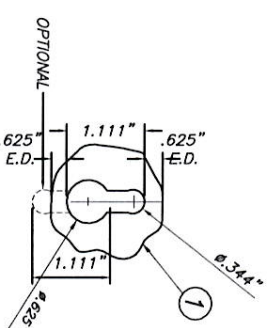
6 MINI WALL 1.75"x0.632"
ANGLE WITH STUD



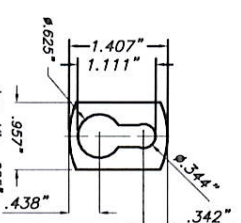
STUD W/ DIE CAST ZINC
NICKEL PLATED WING NUT



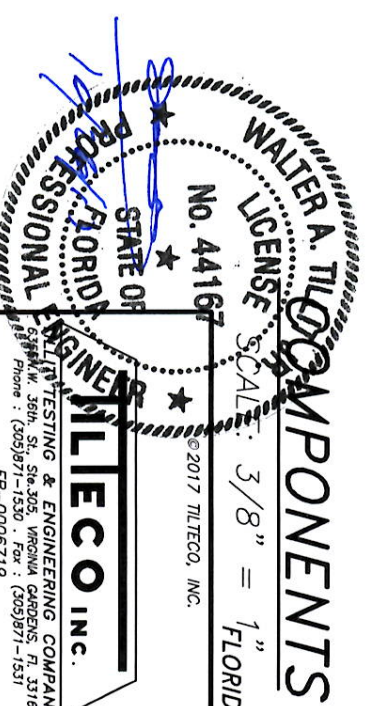
7 2"x5"(MAX.)x1/8"
ANGLE WITH STUD



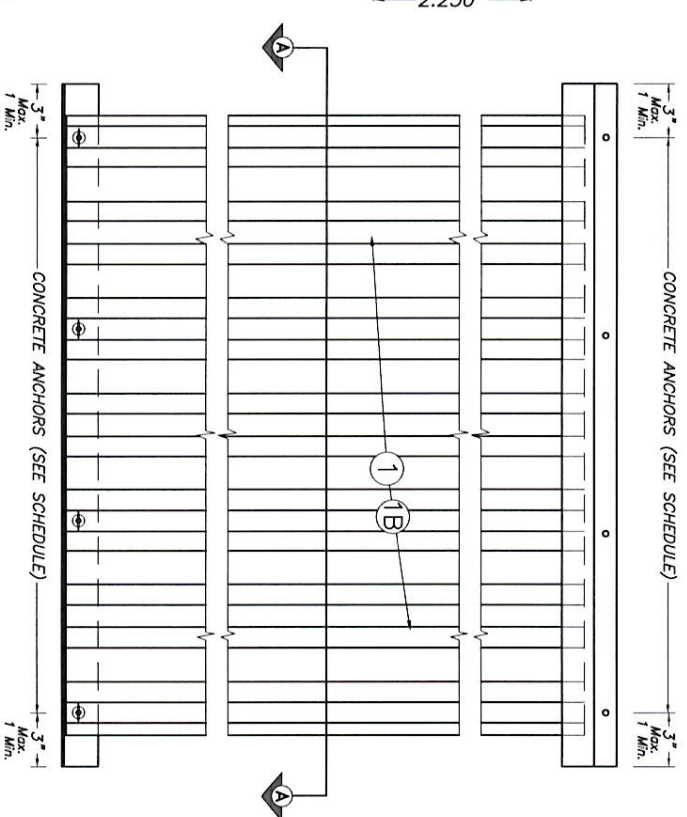
8 KEY HOLE AT PANEL



9 **KEY HOLE WASHER**
3105-H154 Alum. ALLOY



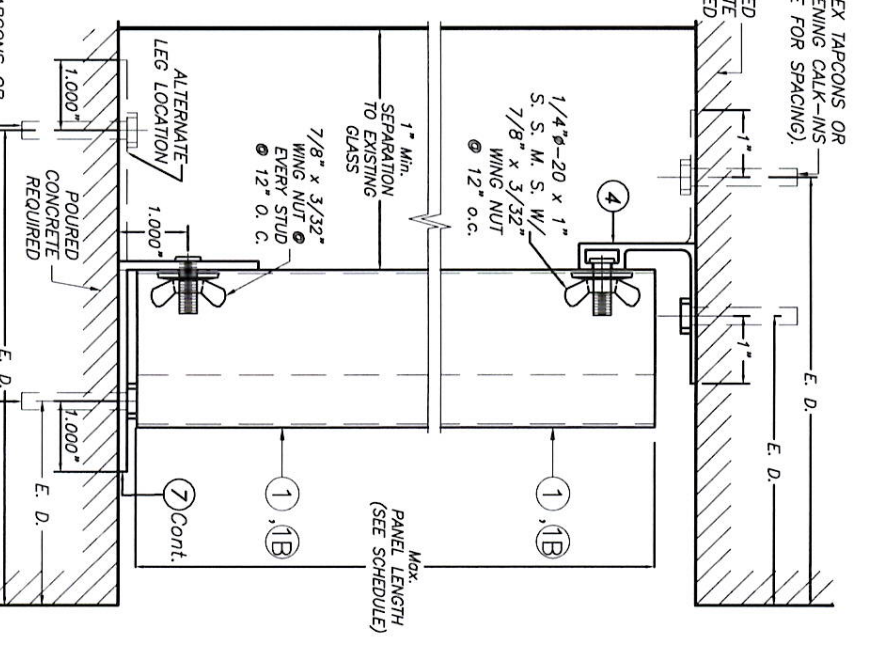
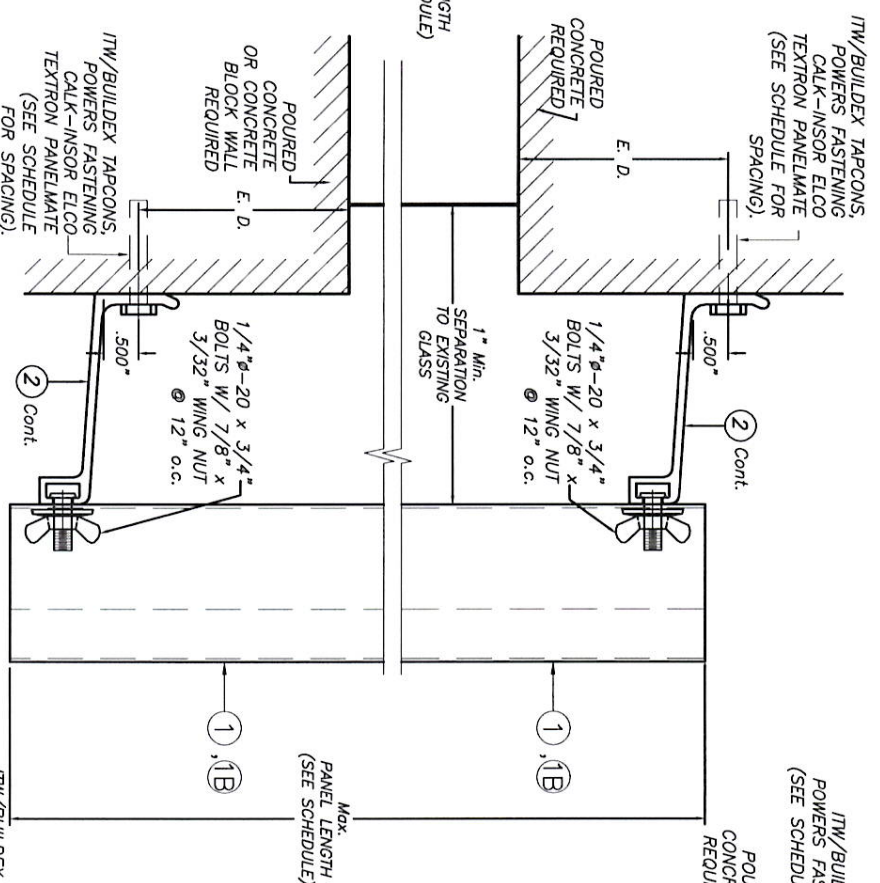
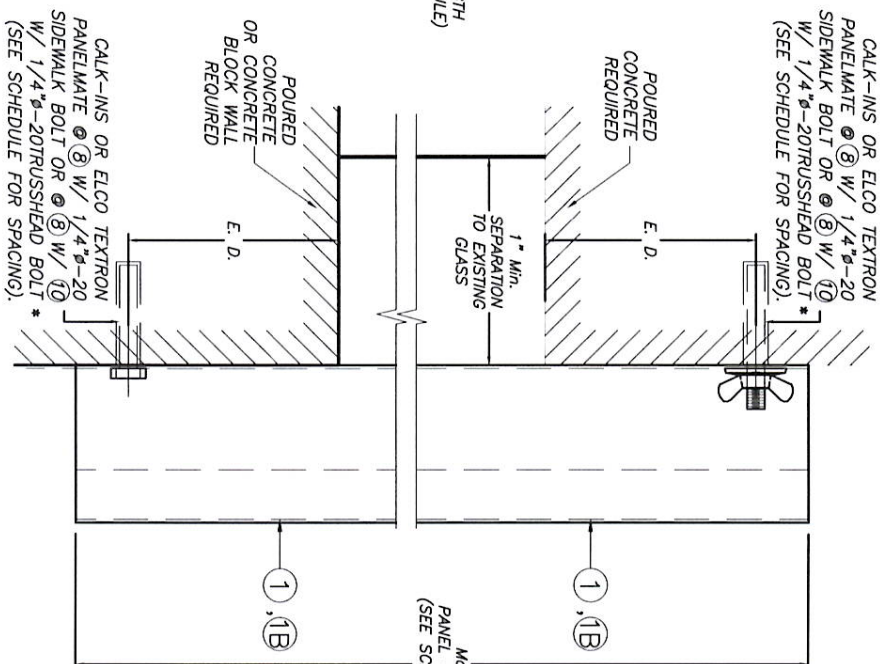
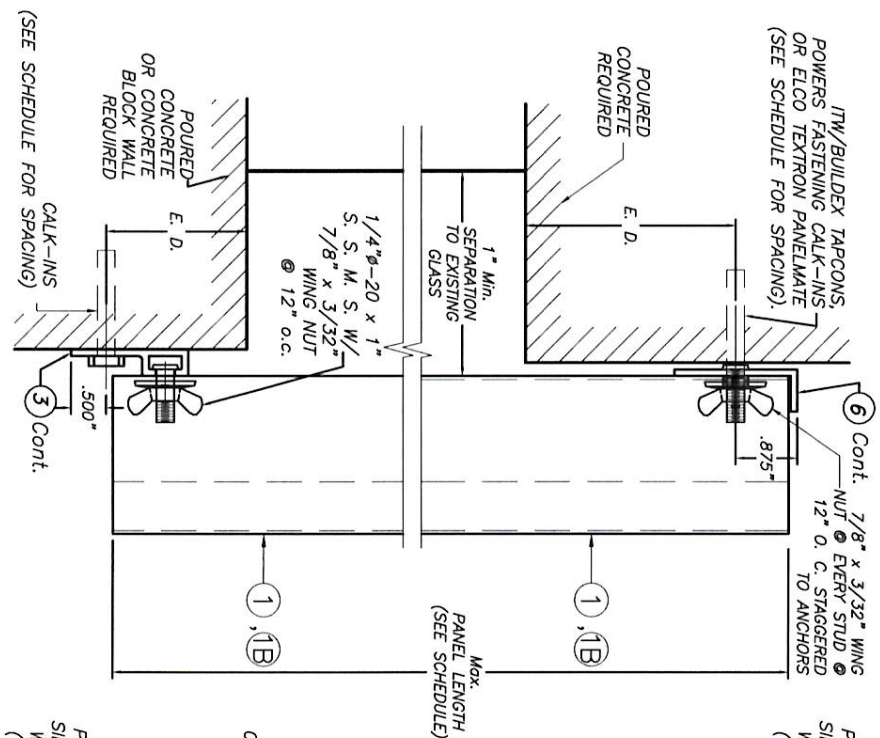
A BUILDING CODE (Non High Velocity Hurricane Zone, CLEAR BERTHA STORM PANEL (2.25" DEEP)					DRAWN BY: L.C.
EASTERN METAL SUPPLY, INC 4268 WEST ROADS DRIVE WEST PALM BEACH, FL 33407					07/26/17 DATE
17-098 DRAWING No					
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 15-046	07/26/17	3		
2			4		
SHEET 2 OF 5					



STORM PANEL TYPICAL ELEVATION



SECTION A-A
N.T.S.

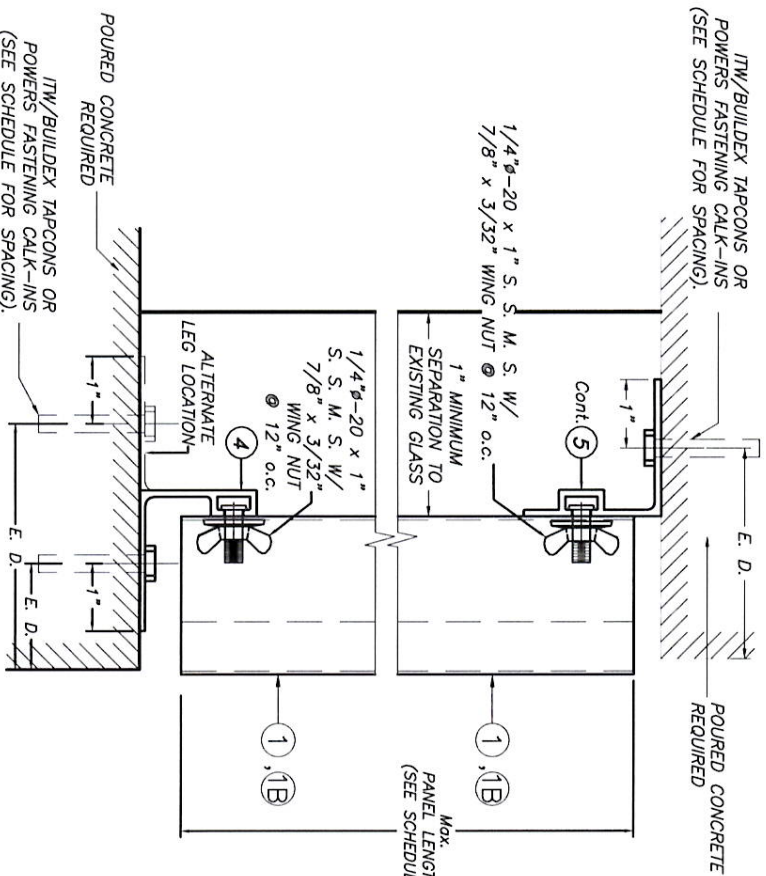


WALL MOUNTING INSTALLATION SECTION 1

WALL MOUNTING INSTALLATION (D. M.) SECTION 2

BUILD OUT INSTALLATION SECTION 3

CEILING & FLOOR MOUNTING INSTALLATION SECTION 4



CEILING & FLOOR MOUNTING INSTALLATION SECTION 5

INSTALLATION DETAILS

SCALE: 3/8" = 1"

* SIDE WALK BOLTS ARE 3/4" x 3/32" THICK HEAD MACHINE SCREW W/LENGTH AS PER NOTES A.2 & B.2 (SHEET 1)
* TRUSS HEAD BOLTS ARE 1/2" x 1/8" THICK HEAD MACHINE SCREW W/LENGTH AS PER NOTES A.2 & B.2 (SHEET 1)

E. D. = EDGE DISTANCE
(SEE SCHEDULE ON SHEET 4 OF 5)

NOTE FOR COMBINATION OF SECTIONS :

WALL/FLOOR/CEILING MOUNTING SECTIONS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

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FLORIDA BUILDING CODE (Non High Velocity Hurricane Zone)

CLEAR BERTHA STORM PANEL
(2.25" DEEP)

DRAWN BY:
L.C.

EASTERN METAL SUPPLY, INC

DATE
07/26/17

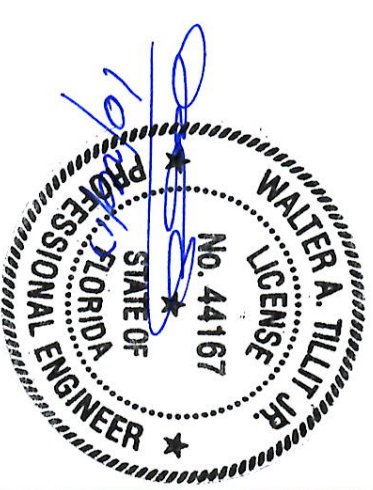
4288 WEST ROADS DRIVE
WEST PALM BEACH, FL 33407

17-098
DRAWING No

TILTECO INC.
TILIT TESTING & ENGINEERING COMPANY
6355W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 , Fax : (305)871-1531
EB-0006719
WALTER A. TILIT JR., P.E.
FLORIDA Lic. # 44167

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	QAD 15-046	07/26/17	3		
2			4		

SHEET 3 OF 5



MAXIMUM A.S.D. DESIGN PRESSURE RATING (p.s.f.) WITH CORRESPONDING MAXIMUM PANEL LENGTH "L" (Ft.) AND CORRESPONDING ANCHOR SPACING "S" (in.) SCHEDULE FOR INSTALLATIONS IN CONCRETE, CONCRETE BLOCK AND WOOD FRAME STRUCTURES *

MAXIMUM A.S.D. DESIGN PRESSURE RATING (p.s.f.)	Max. PANEL LENGTH L (Ft.) * .093" CLEAR LEAN STORM PANEL	ANCHORS SPACINGS "S" (in.) **		
		SECTION 4 (BOTTOM)	SECTIONS 2, 3, 5 (TOP/BOTTOM) & SECTION 1 (BOTTOM)	SECTION 1 (TOP) & SECTION 4 (TOP)
+28.0, -28.0	10'-0"	7"	12"	12"
+28.0, -30.0	9'-8"	7"	12"	12"
+30.0, -35.0	8'-11"	7"	12"	12"
+35.0, -40.0	8'-4"	7"	12"	12"
+40.0, -45.0	7'-11"	7"	12"	12"
+45.0, -50.0	7'-6"	7"	12"	12"
+50.0, -55.0	7'-2"	7"	12"	12"
+55.0, -60.0	6'-10"	7"	12"	12"
+60.0, -65.0	6'-7"	7"	12"	12"
+65.0, -70.0	6'-3"	7"	12"	12"
+70.0, -75.0	5'-10"	7"	12"	12"
+75.0, -80.0	5'-6"	7"	12"	12"
+80.0, -85.0	5'-2"	7"	12"	12"
+85.0, -90.0	4'-11"	7"	12"	12"
+90.0, -95.0	4'-8"	7"	12"	12"
+95.0, -100.0	4'-5"	7"	12"	12"
+100.0, -105.0	4'-2"	7"	12"	12"
+105.0, -110.0	4'-0"	7"	12"	12"

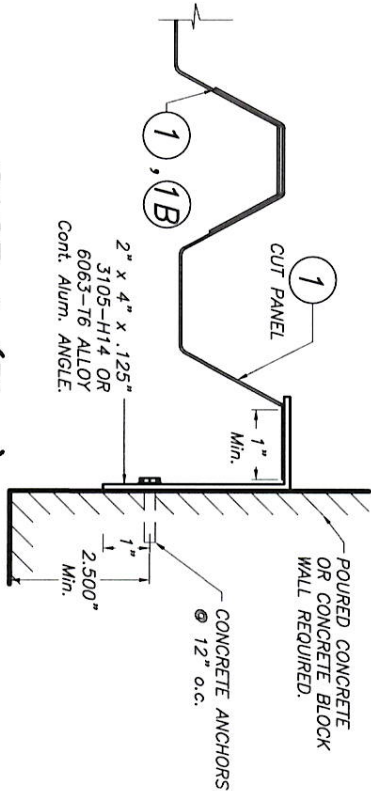
* Min. PANEL LENGTH IS 3'-0"

** MAXIMUM ANCHOR SPACINGS ARE VALID FOR 3 1/2" EDGE DISTANCE. FOR E. D. LESS THAN 3 1/2" REDUCE ANCHOR SPACING BY MULTIPLYING SPACING SHOWN ON SCHEDULE BY THE FOLLOWING FACTORS. (NOTE : Min. E. D. FOR CALK-IN ANCHORS IS 2 1/2"). FOR THIS OPERATION TO BE POSSIBLE, REDUCED SPACING OBTAINED USING FACTOR SHALL NOT BE LESS THAN MINIMUM SPACING INDICATED FOR EACH ANCHOR TYPE AT ANCHORS LEGEND.

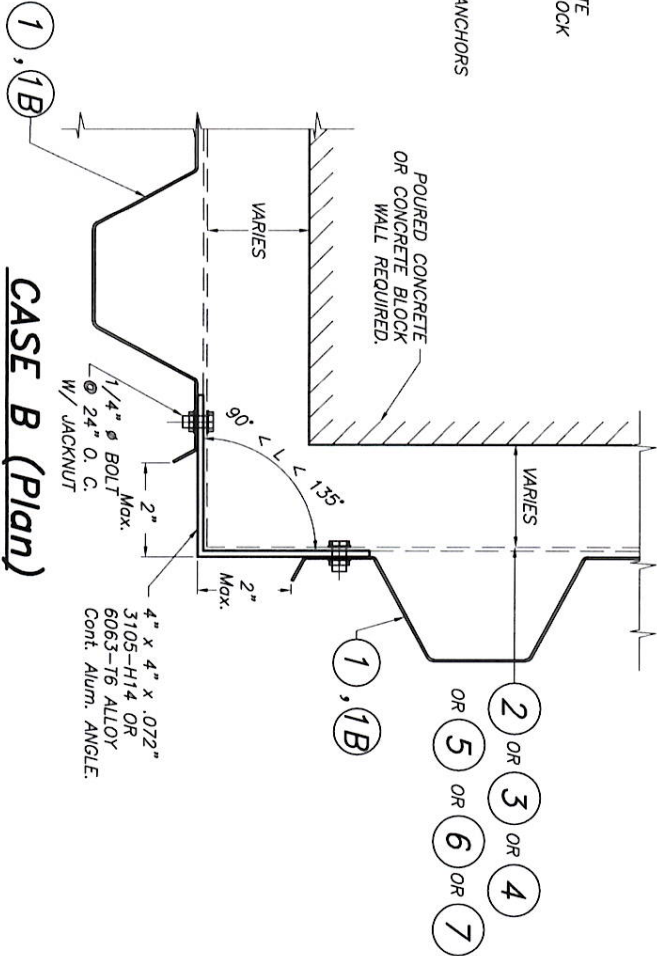
ACTUAL E. D.	FACTOR	
	TAPCON/ PANELMATES	CALK-IN
3"	.86	.75
2 1/2"	.71	.50
2"	.50	-

ANCHORS	ANCHOR MIN. SPACING
ANCHORS TYPE	3.0"
TAPCON/ PANELMATES	3.0"
CALK-IN	2.5"

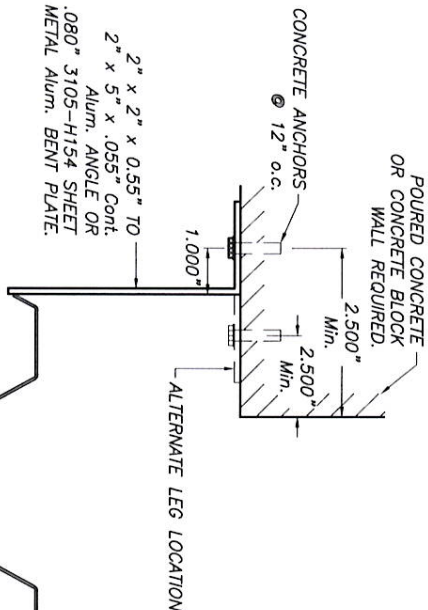
ANCHORS LEGEND



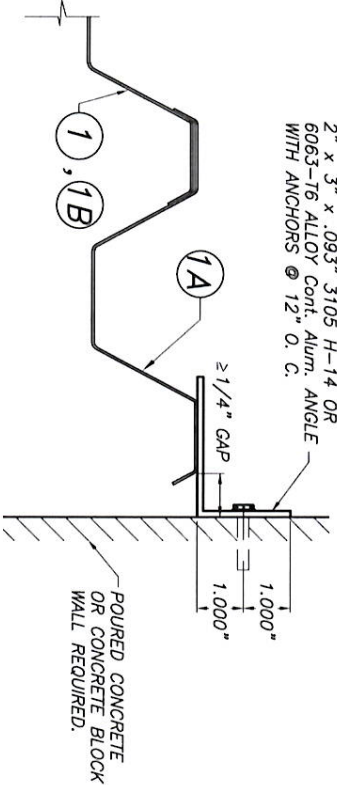
CASE A (Plan)



CASE B (Plan)



CASE C (Plan)



CASE D (Plan)

CASE E (Plan) *

SCALE: 1/4" = 1"

SCALE: 1/4" = 1"

END CLOSURES DETAILS

FLORIDA BUILDING CODE (Non High Velocity Hurricane Zone)

CLEAR BERTHA STORM PANEL (2.25" DEEP)

EASTERN METAL SUPPLY, INC

4268 WEST ROADS DRIVE

WEST PALM BEACH, FL 33407

07/26/17

DATE

17-098

DRAWING No

SHEET 4 OF 5

WALTER A. TILLIT JR. P.E.

FLORIDA Lic. # 44167

EB-0006719

6555 N.W. 36th St., Ste. 305, VERO BEACH, FL 33466

Phone : (305) 971-1530 Fax : (305) 971-1531

TILITECO INC.

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STATE OF FLORIDA PROFESSIONAL ENGINEER

19/08/2017

