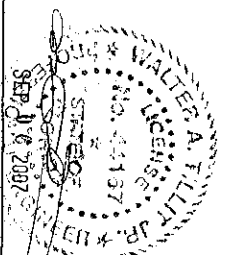


**COMPONENTS**



**TILECO INC.**  
TILE TESTING & ENGINEERING COMPANY  
4288 WEST PALM BEACH, FL 33409  
Phone: (561) 871-1341 Fax: (561) 871-1341  
WALTER A. TILTON, P.E.  
FLORIDA LICENSE # 44187

**EASTERN METAL SUPPLY, INC.**  
4288 WEST PALM BEACH, FL 33409

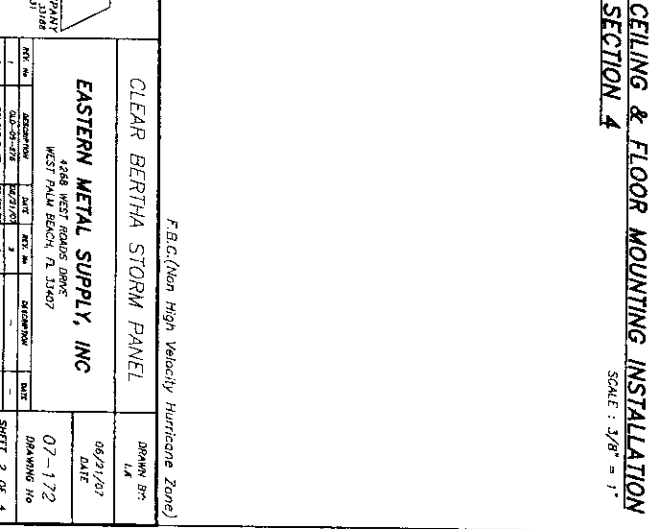
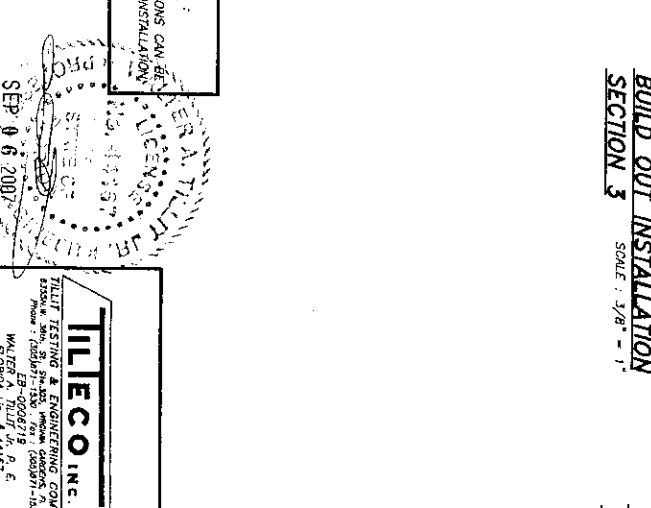
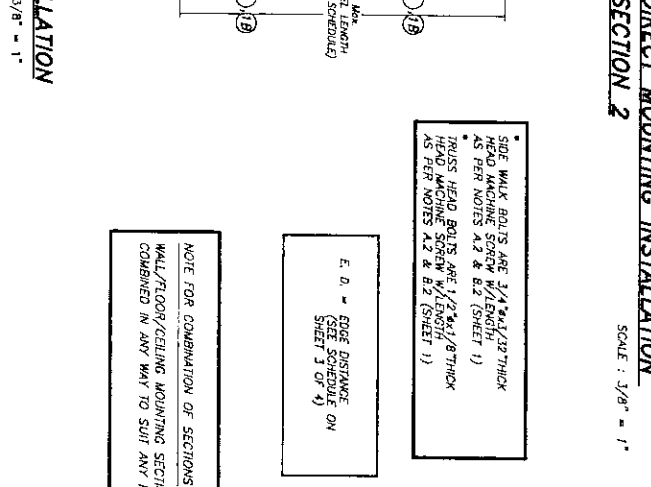
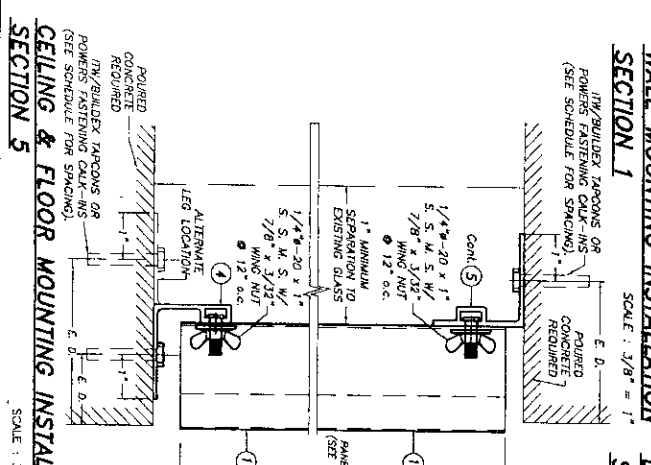
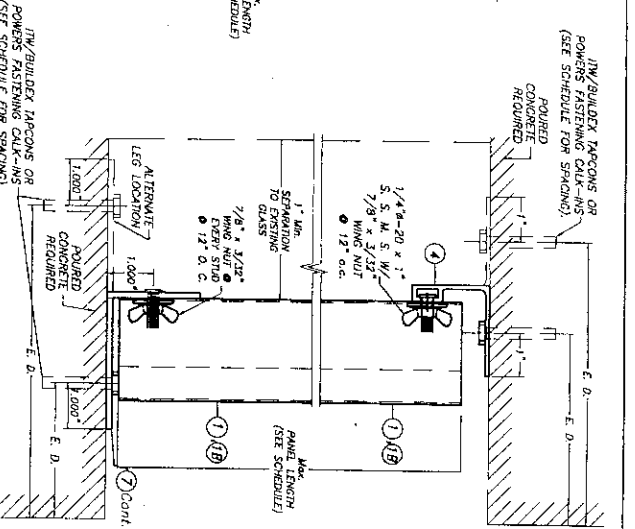
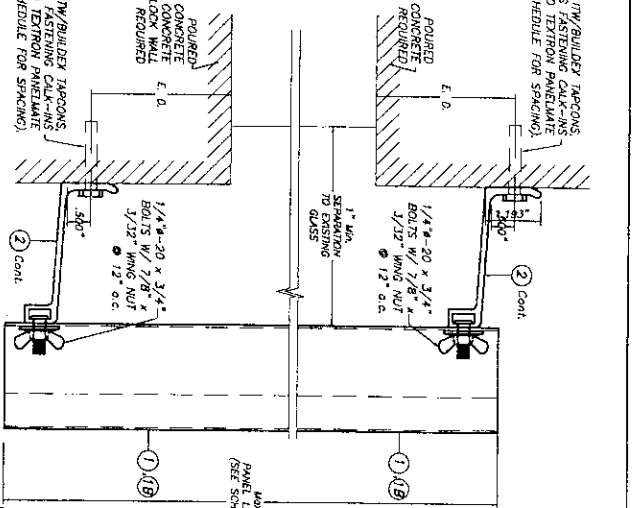
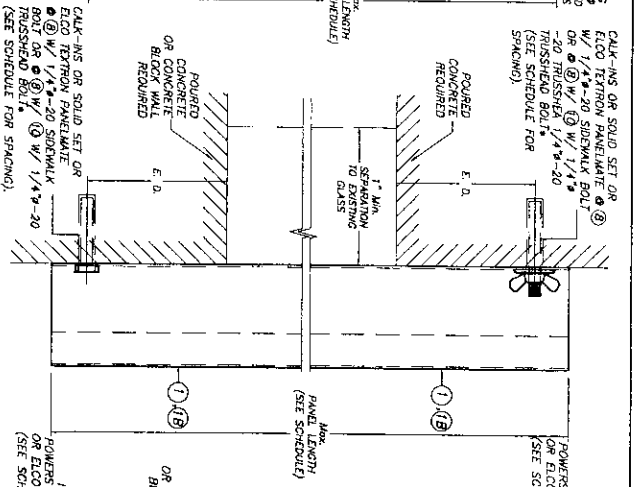
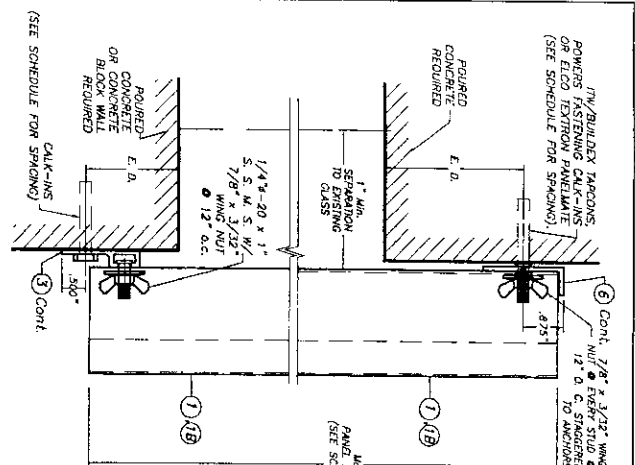
CLEAR BERTHA STORM PANEL

DRAWN BY: LA / S.M.  
DATE: 04/21/07

07-172  
DRAWING NO.

SHEET 1A OF 4

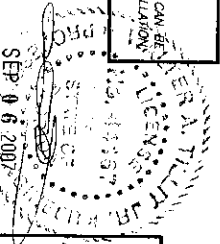
F.B.C. (Non High Velocity Hurricane Zone)



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

E. D. = EDGE DISTANCE (SEE SCHEDULE ON SHEET 3 OF 4)

NOTE FOR COMBINATION OF SECTIONS:  
WALL/FLOOR/CEILING MOUNTING SECTIONS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.



**TILECO, INC.**  
TILE TESTING & ENGINEERING COMPANY  
1500 W. 10th St., Suite 100  
Wichita, KS 67203  
Tel: 316-261-1111  
Fax: 316-261-1112

CLEAR BERTHA STORM PANEL		08/21/02
EASTERN METAL SUPPLY, INC.		DATE
4848 WEST BROAD DRIVE WEST PALM BEACH, FL 33407		DRAWING NO
REV. NO.	DATE	DESCRIPTION
1	08/21/02	ISSUE
2	08/21/02	REVISION
3	08/21/02	REVISION
DRAWN BY: L.A.		SHEET 2 OF 4

F.B.C. (Non High Velocity Hurricane Zone)

**MAXIMUM DESIGN PRESSURE RATING  $W_w$  (G.S.F.) WITH CORRESPONDING MAXIMUM PANEL LENGTH  $L_p$  (FT.) AND CORRESPONDING ANCHOR SPACING  $S_p$  (IN.) SCHEDULE FOR INSTALLATIONS IN CONCRETE, CONCRETE BLOCK AND WOOD FRAME STRUCTURES \***

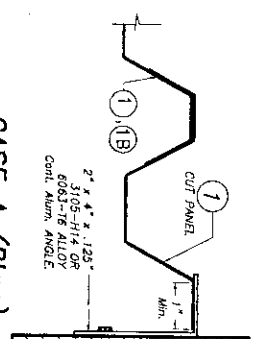
MAXIMUM DESIGN PRESSURE RATING $W_w$ (G.S.F.)	MAX. PANEL LENGTH $L_p$ (FT.) CLEAR LEAN STORM PANEL	ANCHOR SPACING $S_p$ (IN.) **			
		SECTION 4 (BOTTOM)	SECTION 2, 3, 5 (TOP/BOTTOM)	SECTION 1 (TOP) & SECTION 4 (TOP)	SECTION 1 (TOP)
+28.0, -28.0	10'-0"	7"	12"	12"	12"
+28.0, -30.0	9'-8"	7"	12"	12"	12"
+30.0, -35.0	8'-11"	7"	12"	12"	12"
+35.0, -40.0	8'-4"	7"	12"	12"	12"
+40.0, -45.0	7'-11"	7"	12"	12"	12"
+45.0, -50.0	7'-6"	7"	12"	12"	12"
+50.0, -55.0	7'-2"	7"	12"	12"	12"
+55.0, -60.0	6'-10"	7"	12"	12"	12"
+60.0, -65.0	6'-7"	7"	12"	12"	12"
+65.0, -70.0	6'-3"	7"	12"	12"	12"
+70.0, -75.0	5'-10"	7"	12"	12"	12"
+75.0, -80.0	5'-6"	7"	12"	12"	12"
+80.0, -85.0	5'-2"	7"	12"	12"	12"
+85.0, -90.0	4'-11"	7"	12"	12"	12"
+90.0, -95.0	4'-8"	7"	12"	12"	12"
+95.0, -100.0	4'-5"	7"	12"	12"	12"
+100.0, -105.0	4'-2"	7"	12"	12"	12"
+105.0, -110.0	4'-0"	7"	12"	12"	12"

\* Min. Panel Length is 3'-0"

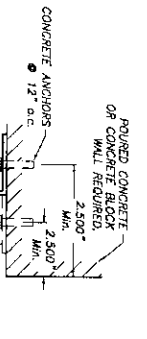
\*\* MAXIMUM ANCHOR SPACINGS ARE VALID FOR 3 1/2" EDGE DISTANCE. FOR E. D. LESS THAN 3 1/2". REDUCE ANCHOR SPACING BY MULTIPLYING SPACING SHOWN ON SCHEDULE BY THE FOLLOWING FACTORS: (NOTE: MIN. 1/2")  
 E. D. FOR CALK-IN ANCHORS IS 2" E. D. FOR CEMENT SET ANCHORS IS 1/2" E. D. SPACING OBTAINED USING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

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

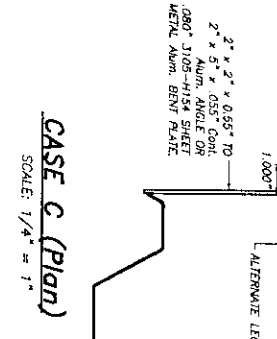
ANCHORS LEGEND		
ANCHORS TYPE	ANCHOR MIN. SPACING	ANCHOR MIN. SPACING
TARCON/PANELMAKERS/SOLID SET	1.0"	1.0"
CALK-IN	2.5"	2.5"



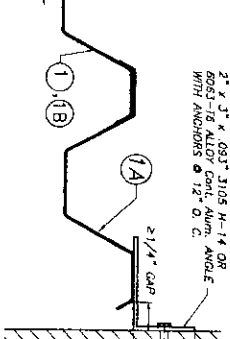
**CASE A (Plan)**  
SCALE: 1/4" = 1"



**CASE B (Plan)**  
SCALE: 1/4" = 1"

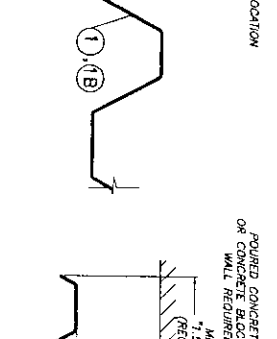


**CASE C (Plan)**  
SCALE: 1/4" = 1"

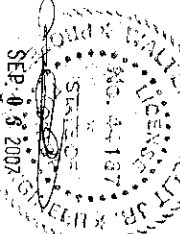


**CASE D (Plan)**  
SCALE: 1/4" = 1"

**END CLOSURES DETAILS**



**CASE E (Plan) \***  
SCALE: 1/4" = 1"



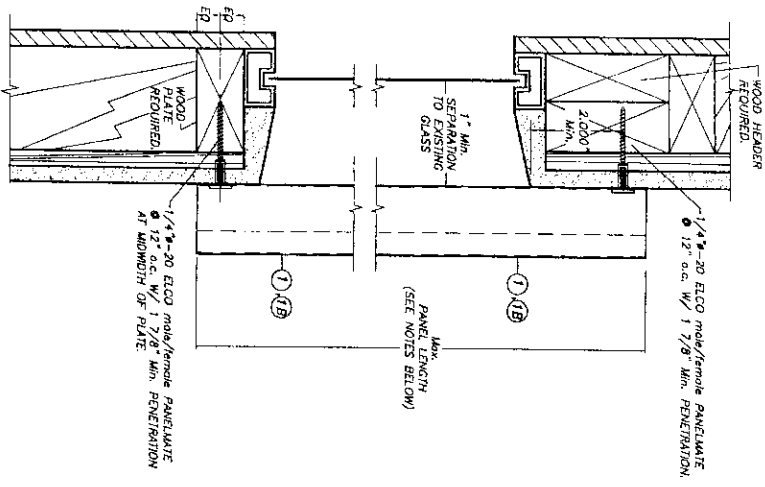
**TILECO INC.**  
 TILE TESTING & ENGINEERING COMPANY  
 4268 WEST PALM BEACH, FL 33407  
 (407) 831-1311  
 (407) 831-1311  
 (407) 831-1311  
 (407) 831-1311

**EASTERN METAL SUPPLY, INC.**  
 4268 WEST PALM BEACH, FL 33407  
 (407) 831-1311

REV. NO.	DATE	DESCRIPTION	BY
1	02-03-07	ISSUE FOR PERMIT	J
2	07-27-07	ISSUE FOR PERMIT	J
3	02-03-07	ISSUE FOR PERMIT	J

07-172  
DRAWING NO  
SHEET 3 OF 4

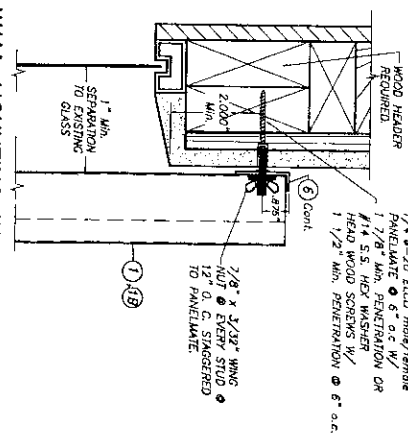
F.B.C. (Max. High Velocity Hurricane Zone)



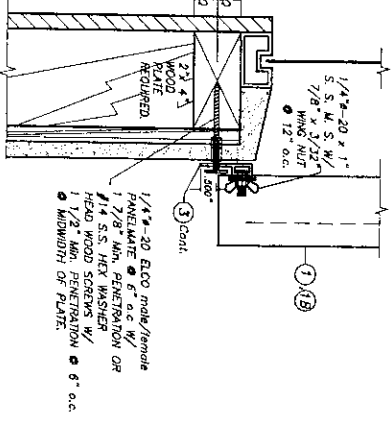
**WALL MOUNTING (D.M.) ALTERNATIVE 1**

NOTE FOR COMBINATORIAL OF SECTION:  
WALL MOUNTING SECTIONS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

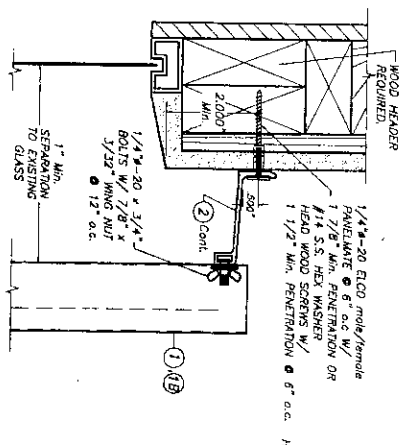
- NOTES:**
1. INSTALLATION ARE ONLY VALID FOR WIND LOADS AND PANEL'S LENGTHS AS PER SCHEDULE SHOWN ON SHEETS 3 OF 4.
  2. FOR WOOD FRAME CONSTRUCTION, WOOD MEMBERS TO BE SOUTHERN PINE NO. 2, W/ SPECIFIC DENSITY OF 0.55 OR EQUAL.



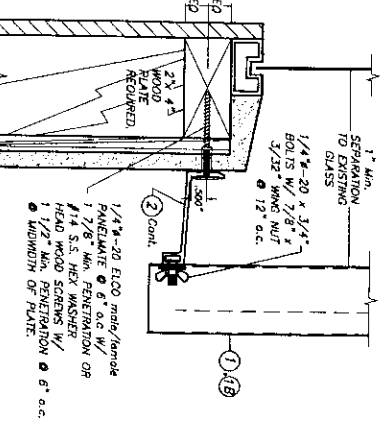
**WALL MOUNTING INSTALLATION ALTERNATIVE 2**



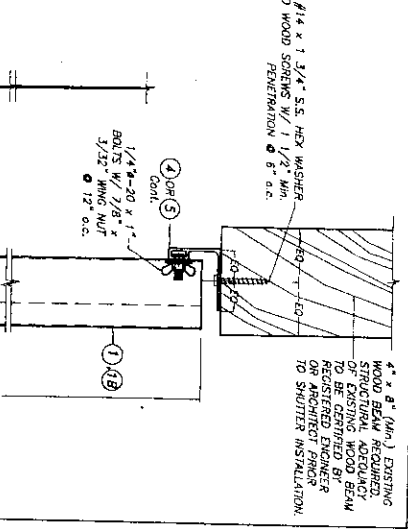
**WALL MOUNTING INSTALLATION ALTERNATIVE 3**



**BUILD OUT INSTALLATION ALTERNATIVE 4**

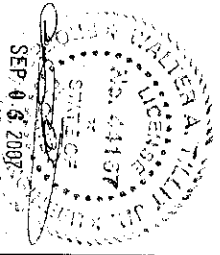


**BUILD OUT INSTALLATION ALTERNATIVE 5**



**CEILING & FLOOR MOUNTING INSTALLATION ALTERNATIVE 6**

**INSTALLATION DETAILS ON EXISTING WOOD BUILDINGS**



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WALTER B. QUIGLEY, P. E.  
Florida Lic. # 44187

**EASTERN METAL SUPPLY, INC.**  
4388 WEST ROADS DRIVE  
WEST PALM BEACH, FL 33407

**CLEAR BERTHA STORM PANEL**

DRAWN BY: LA  
DATE: 06/21/07  
07-172  
DRAWING NO.  
SHEET 4 OF 4

F.B.C.(Non High Velocity Hurricane Zone)