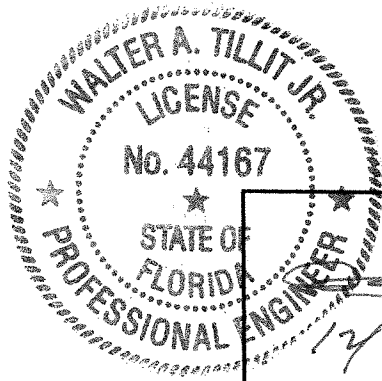


GENERAL NOTES:
(VALID FOR 20 GAGE GALVANIZED STEEL STORM PANELS)

1. STORM PANEL SHOWN ON THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2023 (8th EDITION) OF THE FLORIDA BUILDING CODE.
- DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE, FOR A WIND SPEED AS REQUIRED BY THE JURISDICTION WHERE THESE SHUTTERS WILL BE INSTALLED AND FOR A DIRECTIONALITY FACTOR $K_d=0.85$, USING ASCE 7-22 AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON SHEETS 7 THRU 12, 14, 15, 16, 19 & 20.
- IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-22 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/ MAX. (A.S.D) DESIGN PRESSURE RATINGS INDICATED ON SHEETS 7 THRU 12, 14, 15, 16, 19 & 20.
- IN ORDER TO VERIFY THAT ANCHORS ON THIS P.E.D. AS TESTED WERE NOT OVER STRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THEIR ANALYSIS. FASTENERS SPACING TO WOOD HAS BEEN DETERMINED IN ACCORDANCE WITH N.D.S. 2018.
- STORM PANEL'S ADEQUACY FOR IMPACT AND WIND RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1626 OF THE ABOVE MENTIONED CODE AS PER HURRICANE ENGINEERING & TESTING INC. REPORTS 96-569, 96-570 & 96-T30 AND FENESTRATION TESTING LAB. INC., REPORTS #2032 & #2126 , AS PROTOCOLS TAS-201, TAS-202 AND TAS-203. AS WELL AS AMERICAN TEST LAB OF SOUTH FLORIDA REPORT #0219.01-09, AS PER TAS 201, TAS 202 AND TAS 203 STANDARDS.
2. ALL ALUMINUM EXTRUSIONS TO BE 6063-T6 ALLOY AND TEMPER. (UNLESS OTHERWISE NOTED). SEE SHEET 2. ALL ALUMINUM EXTRUSIONS IN CONTACT WITH DISSIMILAR MATERIAL SHALL COMPLY WITH SECTION III-6 OF THE 2020 ALUMINUM DESING MANUAL.
3. ALL ALUMINUM SHEET METAL USED AT CLOSURES SHALL HAVE 3105-H14 ALLOY.
4. ALL STEEL SHEET METAL PANELS SHALL HAVE STRUCTURAL QUALITY STEEL, ASTM A-653 GRADE 50 MINIMUM, G-60 GALVANIZED STEEL DESIGNATION W/FY= 58.5 ksi (AFTER ROLLED).
5. ALL SCREWS AND ANCHORS TO BE STAINLESS STEEL 304 OR 316 AISI SERIES OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018 W/ 50 ksi YIELD STRENGTH AND 90 ksi TENSILE STRENGTH & SHALL COMPLY W/ FLORIDA BUILDING CODE SECTION 2411.3.3.4.
6. BOLTS TO BE ASTM A-307 GALVANIZED STEEL, OR AISI 304 SERIES STAINLESS STEEL, WITH 36 ksi MINIMUM YIELD STRENGTH.
7. ANCHORS SHALL BE AS FOLLOWS, AS PER SPECIFICATIONS OF SHEET 1A

8. PANELS MAY ALSO BE INSTALLED HORIZONTALLY FOLLOWING INSTALLATION DETAILS SHOWN ON SECTION 3 THROUGH 10 (SHEETS 4 THROUGH 6) EXCEPT THAT HEADERS ② & ③ SHALL NOT BE USED.
9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE SHUTTER IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE. THIS SHUTTER SHALL ONLY BE ATTACHED TO CONCRETE, BLOCK OR WOOD FRAME BUILDINGS.
10. EACH REGULAR STORM PANEL WITH LENGTHS OVER 8'-8 THROUGH 12'-4", AS PER SECTIONS 6, 8, 9 & 10 AND ALTERNATIVES 8W, 9W & 10W ON SHEETS 5, 6 & 12 RESPECTIVELY; SHALL HAVE A LEGIBLE AND READILY VISIBLE MARKING INSTRUCTING OWNER OR TENANT TO SECURE PANELS WITH APPLICABLE REINFORCEMENT DURING PERIODS OF HURRICANE WARNING.
11. THE INSTALLATION CONTRACTOR IS TO SEAL/CAULK ALL SHUTTER COMPONENT EDGES WHICH REMAIN IN CONTINUOUS CONTACT WITH THE BUILDING TO PREVENT WIND/RAIN INTRUSION.
12. STORM PANEL INSTALLATION SHALL COMPLY WITH SPECS INDICATED IN THIS DRAWING PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE JURISDICTION WHERE PERMIT IS APPLIED TO.
13. (a) THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEViate FROM THE P.E.D.
- (b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT BASED ON THIS P.E.D. PROVIDED HE/SHE DOES NOT DEViate FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.
- (c) THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF MODIFIED.
- (d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- (e) THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.
14. SHUTTER MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION AT STORM PANEL SHUTTER IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. ONE LABEL SHALL BE PLACED FOR EVERY OPENING. LABELING TO COMPLY WITH SECTION 1709.9.2 OF THE FLORIDA BUILDING CODE.



THIS DRAWING SHALL ONLY BE USED TO
OBTAIN PERMITS IN THE STATE OF FLORIDA

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

P.E. SEAL/SIGNATURE/DATE		©2023 TILTECO, INC. TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305) 871-1530 . Fax : (305) 871-1531 CA-0006719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. # 44167		20 GAGE GALVANIZED STEEL STORM PANEL GLOBAL PROTECTION PRODUCTS, LLC. 4800 S.W. 51 STREET DAVIE, FL. 33314 PHONE: (954)689-7545, FAX: (954)689-8797		W.H. DRAWN BY: 8/25/2023 DATE: 23-194 DRAWING No:	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	SHEET 1 OF 26	
1	OLD 20-176	8/25/23	3	-	-		
2	NEW HILLMAN ANCHORS	11/6/23	4	-	-		

ANCHOR SCHEDULE *

ANCHOR NAME	MANUFACTURED BY:	ANCHOR DIMENSIONS	MIN. EMBEDMENT				MIN. E.D			
			CONCRETE	GROUT FILLED	HOLLOW BLOCK	WOOD	CONCRETE	GROUT FILLED	HOLLOW BLOCK	WOOD
TAPCON	I.T.W BUILDEX, INC.	1/4"Ø	1 3/4"	-	1 1/4"	1 1/2"	2 1/2"	-	2 1/2"	SEE NOTE 5
CALK-IN	DEWALT INC.	1/4"Ø x 7/8"	7/8"	-	7/8"	-	3"	-	3"	-
SOLID- SET	ALL POINT SCREW, BOLT & SPECIALTY CO.	1/4"Ø x 3/4"	7/8"	-	7/8"	-	3"	-	3"	-
PANELMATE FEMALE ID	ELCO CONSTRUCTION PRODUCTS	#14-10	2"	-	1 1/4"	1 7/8"	2 1/2"	-	3"	-
PANELMATE PLUS	ELCO CONSTRUCTION PRODUCTS	#14-10	2"	-	1 1/4"	1 7/8"	2 1/2"	-	3"	-
LAG SCREW	N.S.D	1/4"Ø	-	-	-	1 1/2"	-	-	-	SEE NOTE 5
SOLID SET 1/4" SCREW CS.	THE HILLMAN GROUP, INC.	1/4"Ø	1 3/4"	1 3/4"	1 1/4"	1 1/2"	3"	3"	3"	0.75"
SOLID SET #14 FEMALE ANCHOR CS.	THE HILLMAN GROUP, INC.	1/4"Ø	1 3/4"	1 3/4"	1 1/4"	1 1/2"	3"	3"	3"	0.75"
SOLID SET 1/4" SCREW 410 SS.	THE HILLMAN GROUP, INC.	1/4"Ø	1 3/4"	1 3/4"	1 1/4"	1 1/2"	3"	3"	3"	0.75"
SOLID SET #14 MALE ANCHOR CS.	THE HILLMAN GROUP, INC.	1/4"Ø	1 3/4"	1 3/4"	1 1/4"	1 1/2"	3"	3"	3"	0.75"
SOLID SET #14 MALE ANCHOR 304 SS.	THE HILLMAN GROUP, INC.	1/4"Ø	1 3/4"	1 3/4"	1 1/4"	1 1/2"	3"	3"	3"	0.75"

* NOTES:

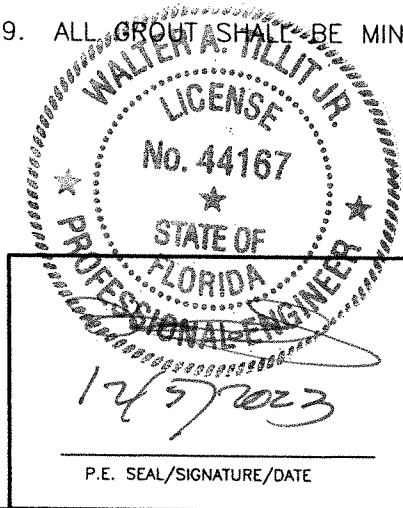
1. CONCRETE TO BE:
3192 psi FOR: TAPCON

3000 Psi FOR: ALL POINT SOLID SET/ CALK-IN / THE HILLMAN SOLID SET SCREW CS / THE HILLMAN SOLID SET FEMALE CS /THE HILLMAN SOLID SET SCREW 410 SS/ THE HILLMAN SOLID SET MALE CS / THE HILLMAN SOLID SET MALE 304 SS

3350 psi FOR: ELCO PANELMATE FEMALE/ ELCO PANELMATE PLUS
2. HOLLOW BLOCK & GROUT BLOCK TO BE ASTM C-90
3. WOOD TO BE SOUTHERN PINE #2 W/ G=0.55
4. ALL CARBON STEEL CREW ANCHORS SHALL BE SAE 1022 PER SAE J1933. ALL STAINLESS STEEL SCREW ANCHORS SHALL BE SERIES 410 OR SERIES 304 AS SPECIFIED HEREIN. CARBON STEEL SCREWS SHALL HAVE THE FOLLOWING CORROSION-PROTECTIVE COATINGS:

BASE COAT: GALVANIZED
TOP COAT: ORGANIC COATING (COLOR MAY VARY)
SEE GENERAL NOTE 5 ON SHEET 1.
5. AS SHOWN ON SHEETS 10, 11, 12, 15, 19 & 20.

6. ALL 1/4"Ø-20 SCREWS (HEADED OR ALL THREADED) USED WITH 7/8" CALK-IN & 3/4" ALL POINT SOLID SET ANCHORS SHALL BE FULLY ENGAGED INTO ANCHOR EMBEDMENT OF ANCHORS SHALL NOT INCLUDE STUCCO OR ANY FINISH.
7. E.D & EMBEDMENT FOR CONCRETE & MASONRY ANCHORS ARE MEASURED BEYOND ANY FINISH. IN CASE THAT PRECAST STONE, PRECAST CONCRETE PANELS, PAVERS, STUCCO OR WOOD BOARDS BE FOUND ON THE EXISTING WALL OR FLOOR, ANCHORS SHALL BE LONG ENOUGH TO REACH THE MAIN STRUCTURE BEHIND SUCH PANELS.
8. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE ANCHOR MANUFACTURER'S SPECIFICATIONS & INSTRUCTIONS.
9. ALL GROUT SHALL BE MIN. f'c=2ksi.



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CA-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

20 GAGE GALVANIZED STEEL STORM PANEL

GLOBAL PROTECTION PRODUCTS, LLC.

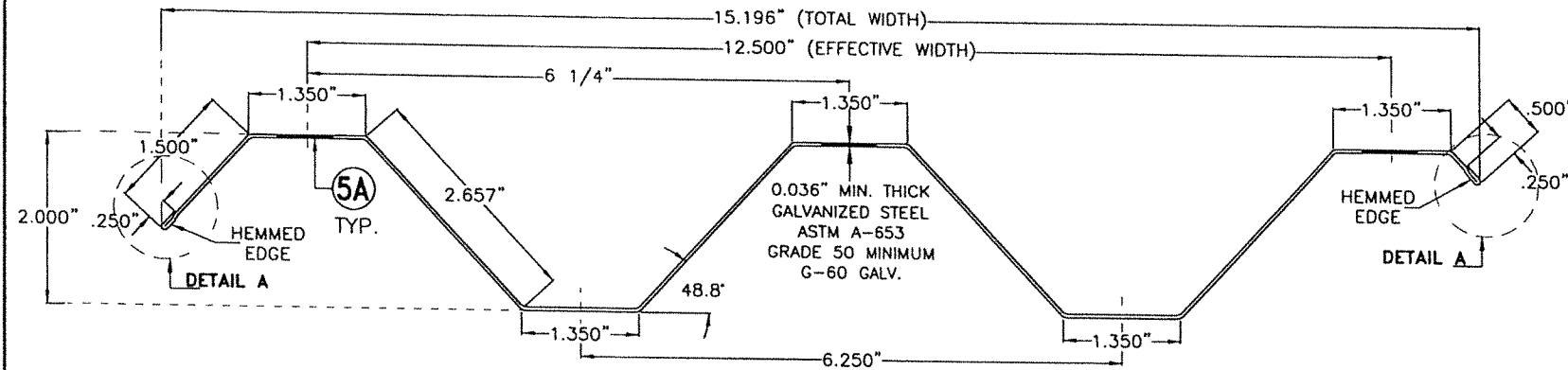
4800 S.W. 51 STREET
DAVIE, FL 33314
PHONE: (954)689-7545, FAX: (954)689-8797

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-176	8/25/23	3	-	-
2	NEW HILLMAN ANCHORS	11/6/23	4	-	-

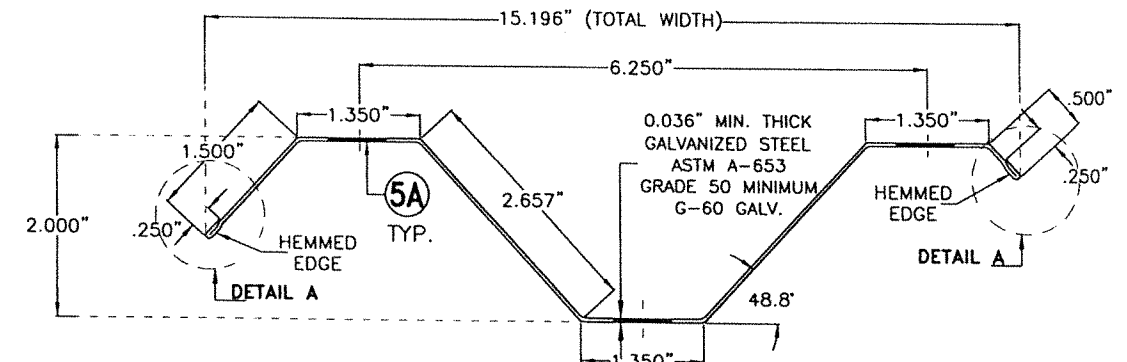
W.H. DRAWN BY:
8/25/2023
DATE:
23-194
DRAWING No:
SHEET 1A OF 26

COMPONENTS FOR REGULAR & LIFE SAFETY STORM PANELS

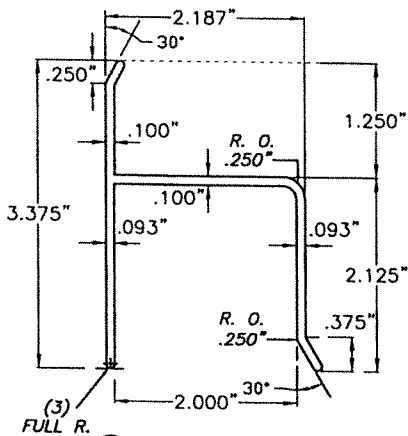
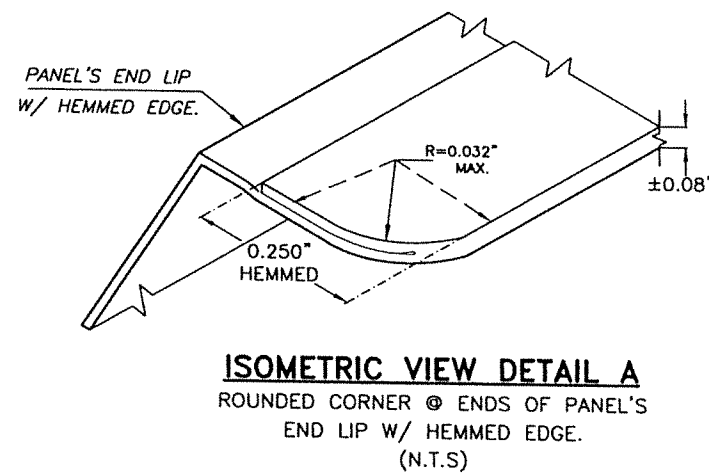
(SCALE 1/2"=1")



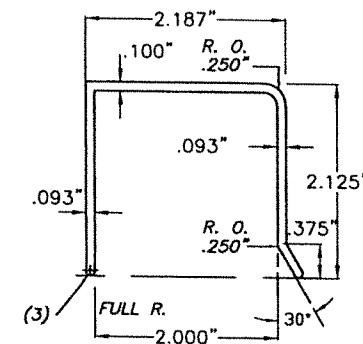
① STORM PANEL



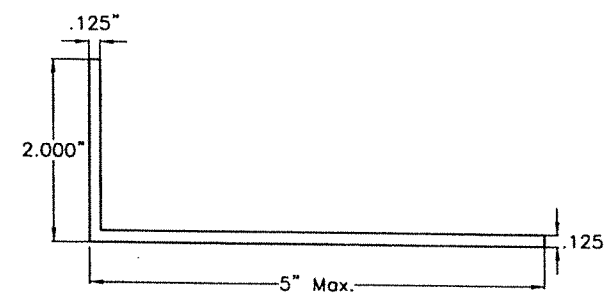
①A END STORM PANEL



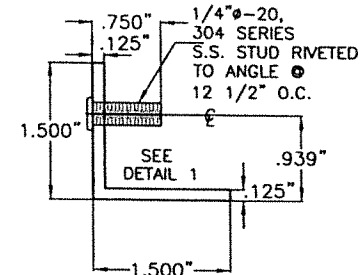
② "h" HEADER



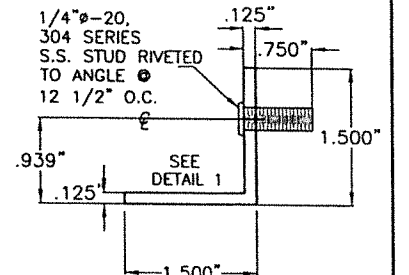
③ "U" HEADER



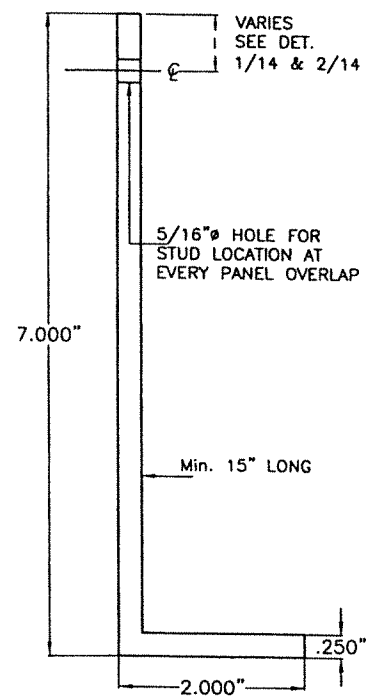
④ ANGLE



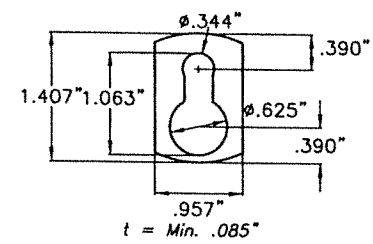
④A ANGLE WITH STUD



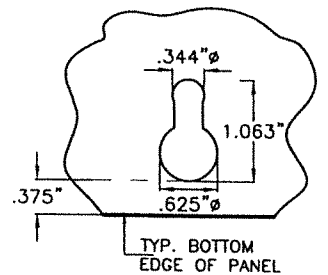
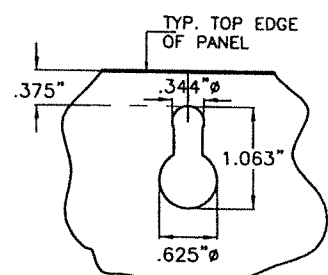
④B ANGLE WITH REVERSE STUD



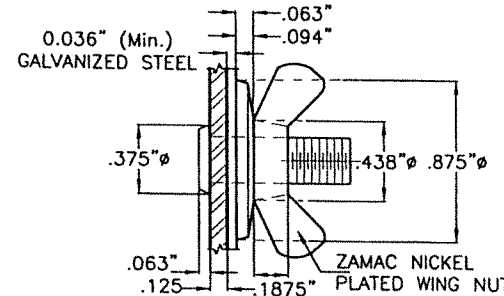
⑧ 2"x7"x1/4" ALUMINUM ANGLE



⑤ KEY HOLE WASHER

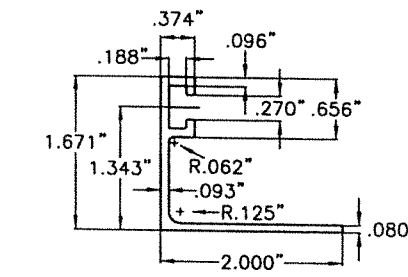


⑤A KEY HOLE AT PANEL

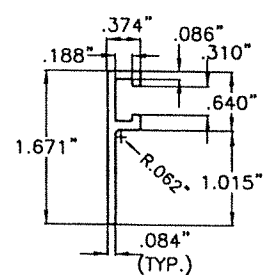


DETAIL 1
SCALE: 1"=1"

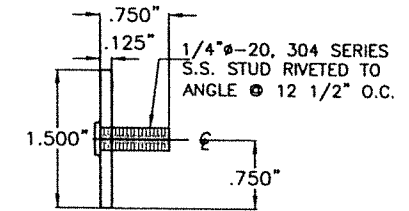
ALTERNATIVELY, USE WING NUT W/OUT MONOLITHIC WASHER W/ ADDITIONAL 7/8"Øx3/32" WASHER (STAINLESS STEEL OR NICKEL PLATED STEEL).



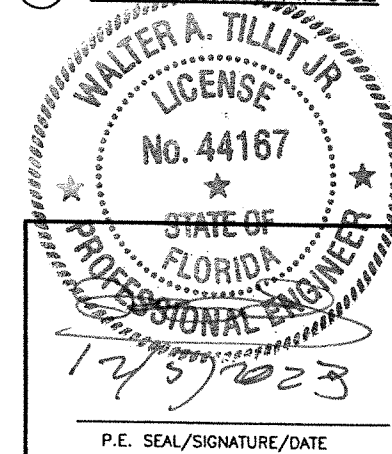
⑥ "F" TRACK ANGLE



⑥A 3/8" "F" TRACK



⑦ FLAT PLATED WITH STUD



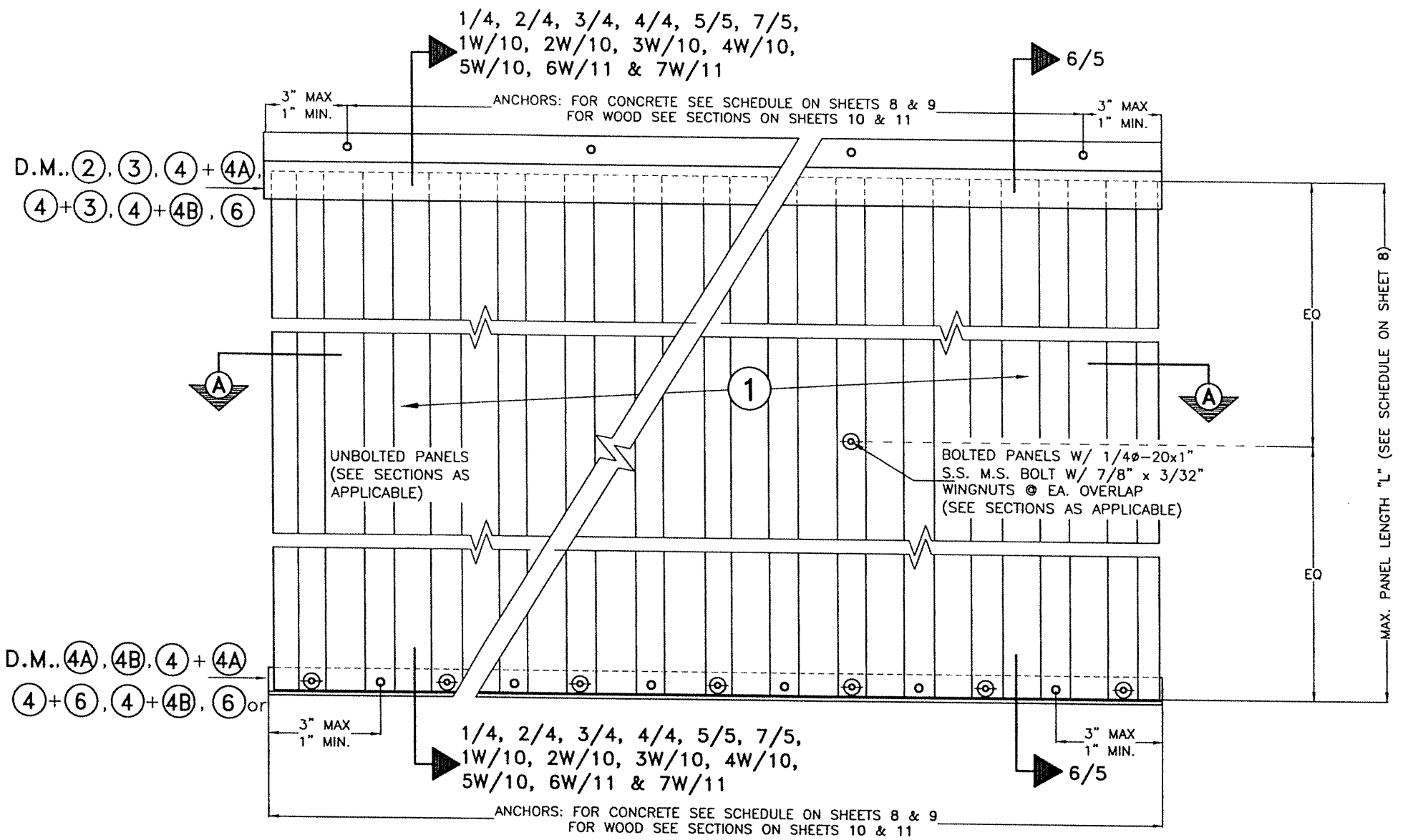
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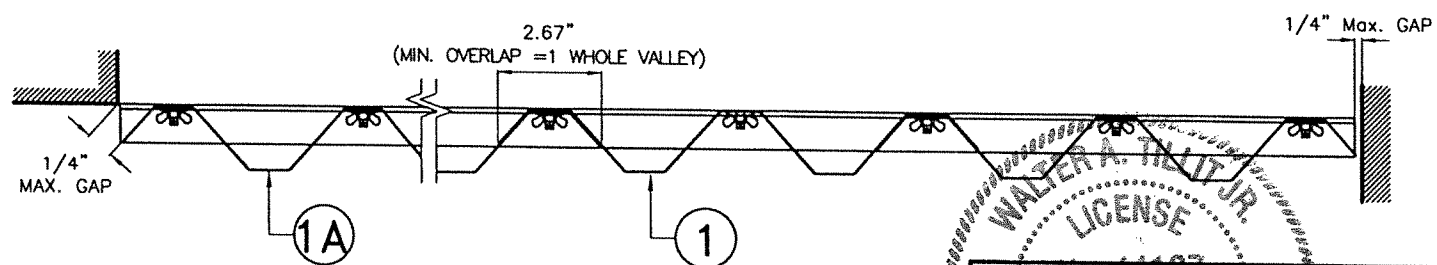
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305) 871-1530 . Fax : (305) 871-1531
CA-0006719
WALTER A. TILLIT JR., P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

20 GAGE GALVANIZED STEEL STORM PANEL			W.H. DRAWN BY:		
GLOBAL PROTECTION PRODUCTS, LLC.			8/25/2023 DATE:		
4800 S.W. 51 STREET DAVIE, FL 33314 PHONE: (954)689-7545, FAX: (954)689-8797			23-194		
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-176	8/25/23	3	-	-
2	NEW HILLMAN ANCHORS	11/6/23	4	-	-
					SHEET 2 OF 26



REGULAR STORM PANELS ① & ①A ELEVATION
N.T.S.



SECTION A-A
N.T.S.

WALTER A. TILLIT JR.
 LICENSE
 No. 44167
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 P.E. SEAL/SIGNATURE/DATE

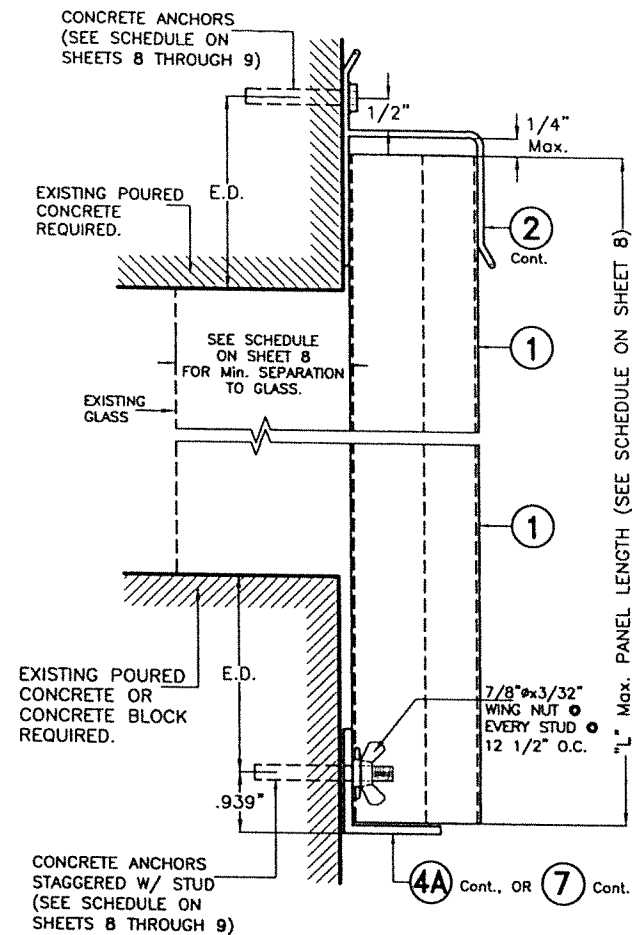
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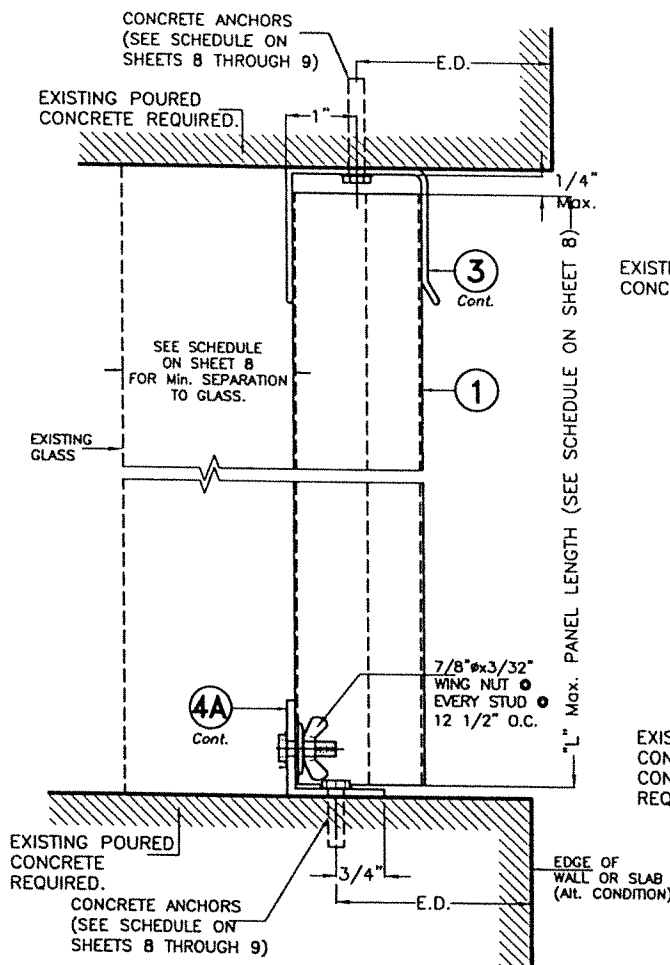
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REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	DRAWING No:
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2	NEW HILLMAN ANCHORS	11/6/23	4	-	-	

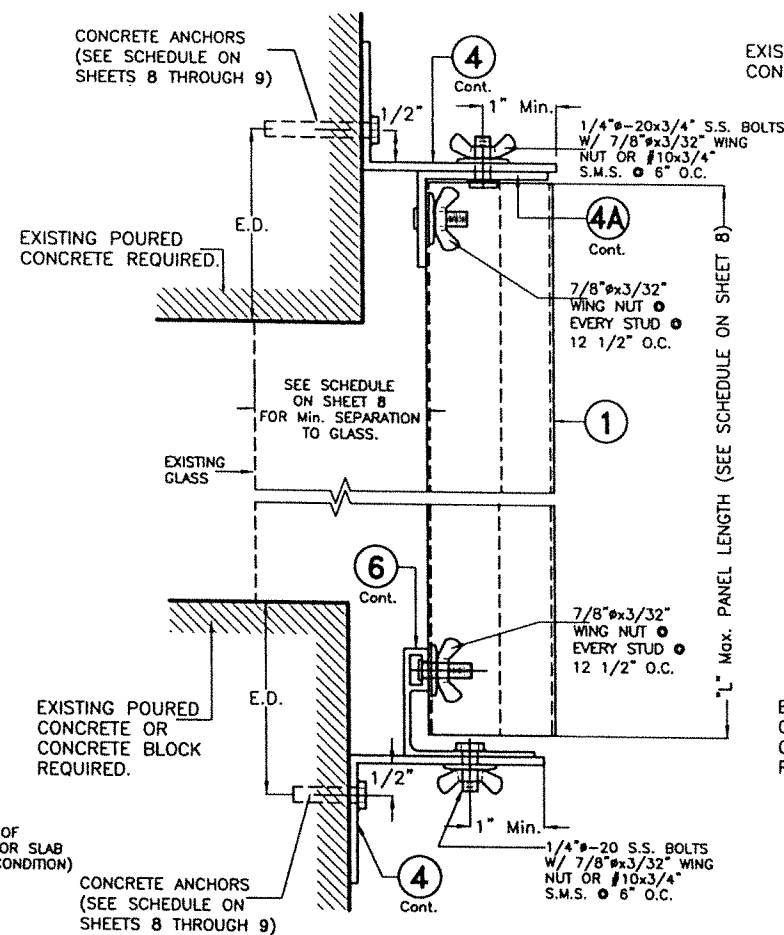
INSTALLATION DETAILS FOR REGULAR PANELS ① & 1A INTO EXISTING POURED CONCRETE OR CONCRETE BLOCK STRUCTURES



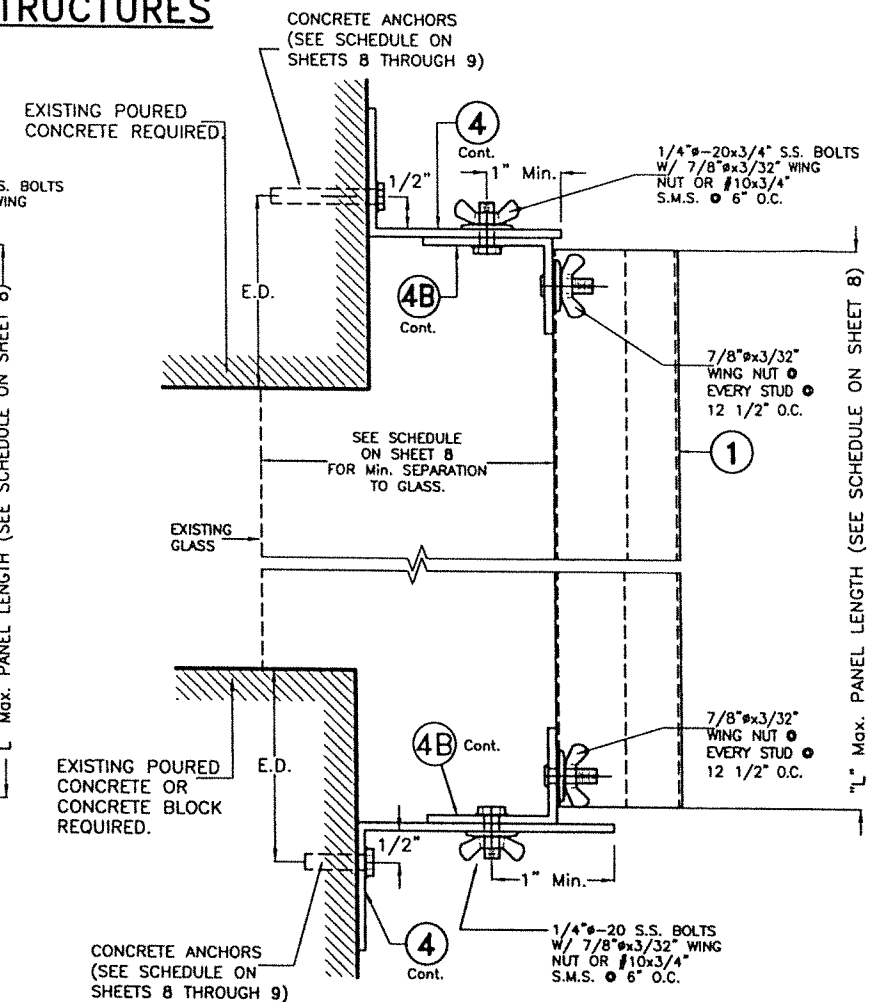
**WALL MOUNTING
SECTION 1**
SCALE 3/8=1"



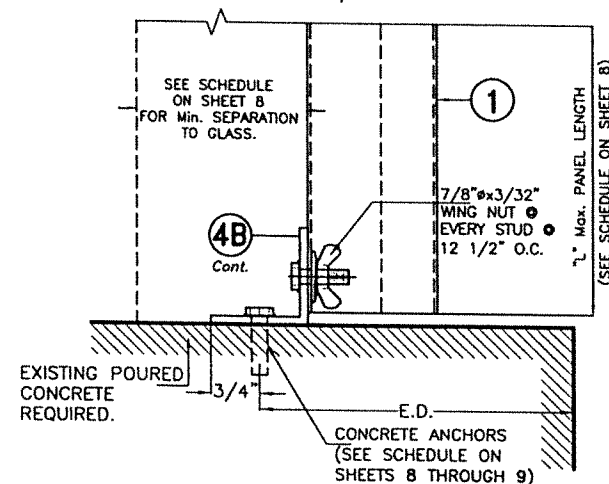
**CEILING AND FLOOR MOUNTING
SECTION 2**
SCALE 3/8=1"



**BUILD OUT MOUNTING
SECTION 3**
SCALE 3/8=1"



**ALTERNATE BUILD OUT MOUNTING
SECTION 4**
SCALE 3/8=1"

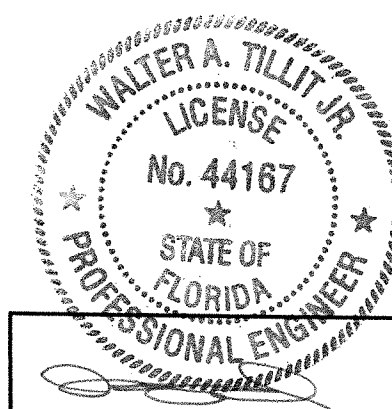


**CEILING AND FLOOR MOUNTING
SECTION 2A**
SCALE 3/8=1"

E.D. = EDGE DISTANCE
(SEE SCHEDULE ON
SHEETS 8, 9 & 1A)

NOTE FOR COMBINATION OF SECTIONS:

TOP & BOTTOM MOUNTINGS CAN BE
COMBINED IN ANY WAY TO SUIT ANY
INSTALLATION.



1/4/2023
P.E. SEAL/SIGNATURE/DATE

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20 GAGE GALVANIZED STEEL STORM PANEL

GLOBAL PROTECTION PRODUCTS, LLC.

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DAVIE, FL 33314
PHONE: (954)689-7545, FAX: (954)689-8797

W.H.
DRAWN BY:

8/25/2023
DATE:

23-194

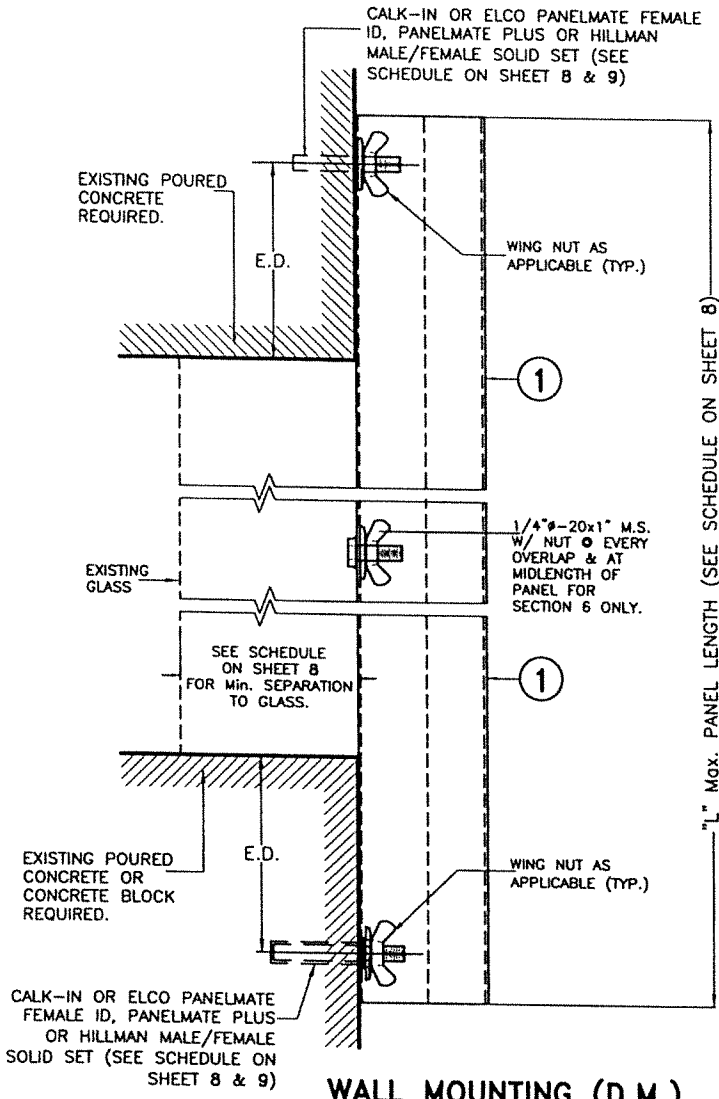
DRAWING No:

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-176	8/25/23	3	-	-
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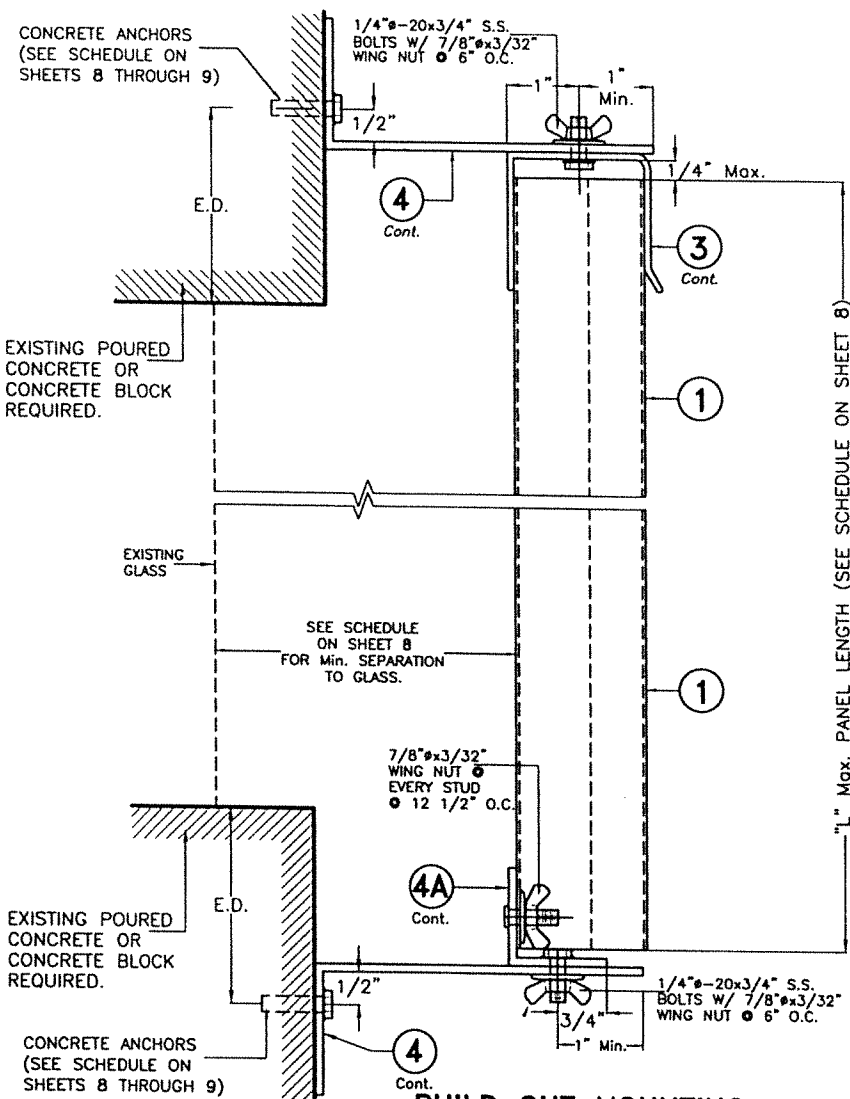
SHEET 4 OF 26

INSTALLATION DETAILS FOR REGULAR PANELS ① & ①A
INTO EXISTING POURED CONCRETE OR CONCRETE BLOCK STRUCTURES

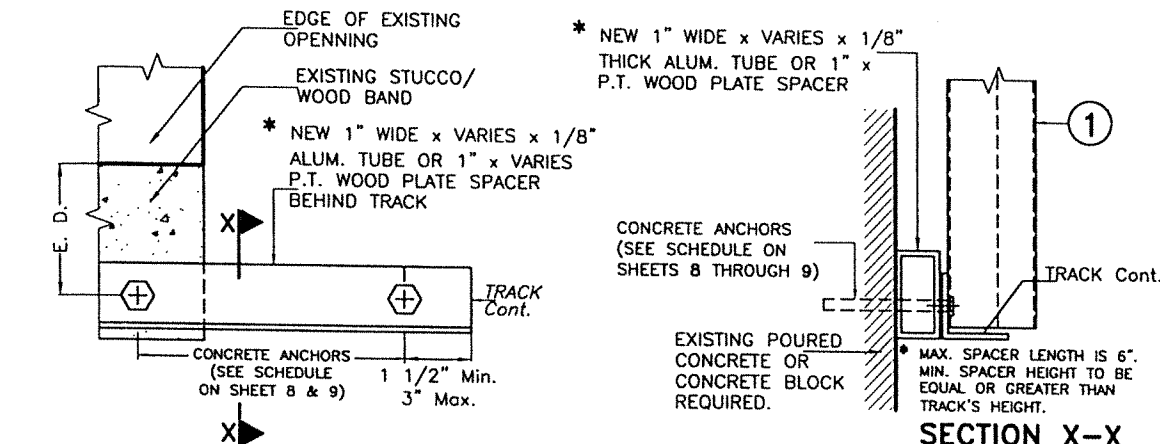
END CLOSURES DETAILS FOR INSTALLATION IN POURED CONCRETE,
CONCRETE BLOCK OR WOOD
VALID FOR REGULAR, LIFE SAFETY AND E-Z HANG STORM PANEL SYSTEM



WALL MOUNTING (D.M.)
SECTIONS 5 & 6
SCALE 3/8=1"



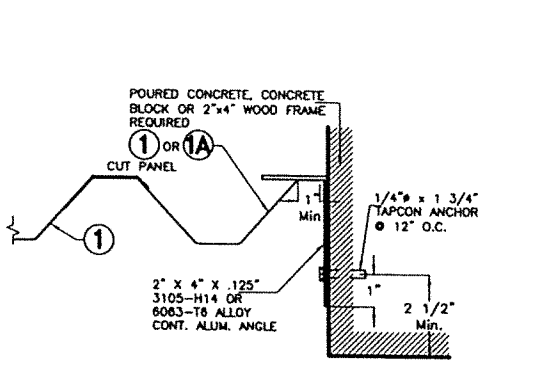
BUILD OUT MOUNTING
SECTION 7
SCALE 3/8=1"



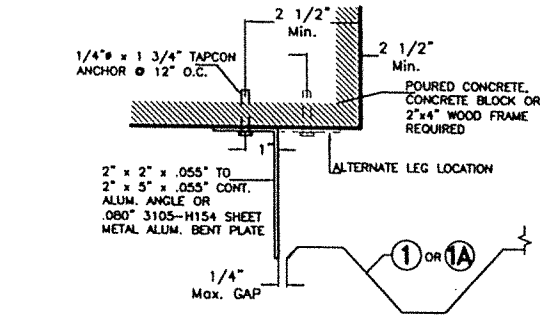
DETAIL FOR SPACERS REQUIRED AT TOP OR
BOTTOM TRACKS ADJACENT TO STUCCO/WOOD BANDS

E.D. = EDGE DISTANCE
(SEE SCHEDULE ON
SHEETS 8, 9 & 1A)

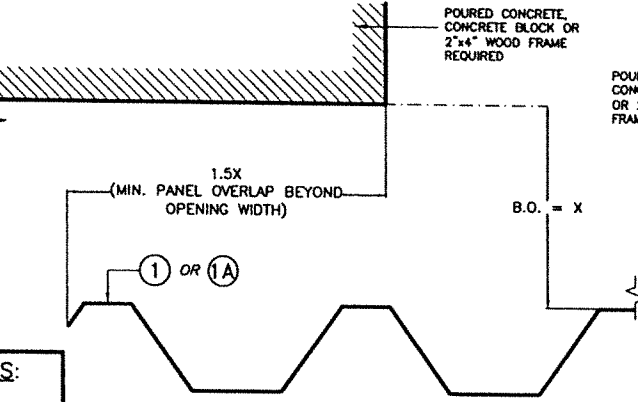
NOTE FOR COMBINATION OF SECTIONS:
TOP & BOTTOM MOUNTINGS CAN BE
COMBINED IN ANY WAY TO SUIT ANY
INSTALLATION.



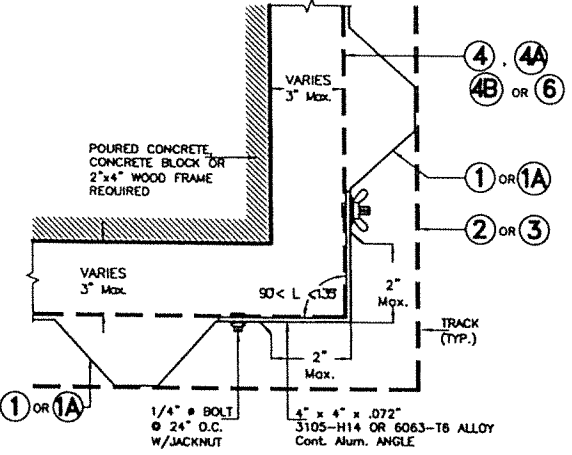
CASE A (PLAN)
SCALE 3/16=1"



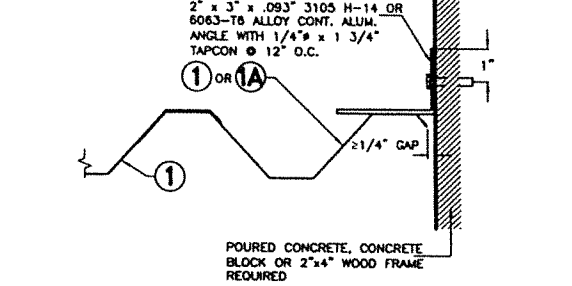
CASE C (PLAN)
SCALE 3/16=1"



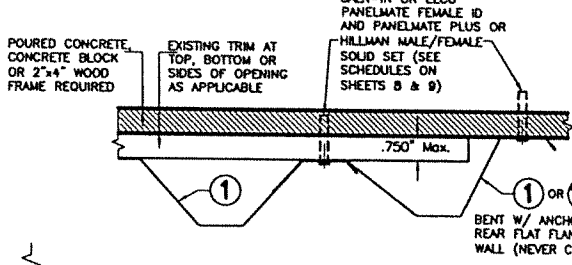
CASE E (PLAN)
SCALE 3/16=1"



CASE B (PLAN)
SCALE 3/16=1"



CASE D (PLAN)
SCALE 3/16=1"

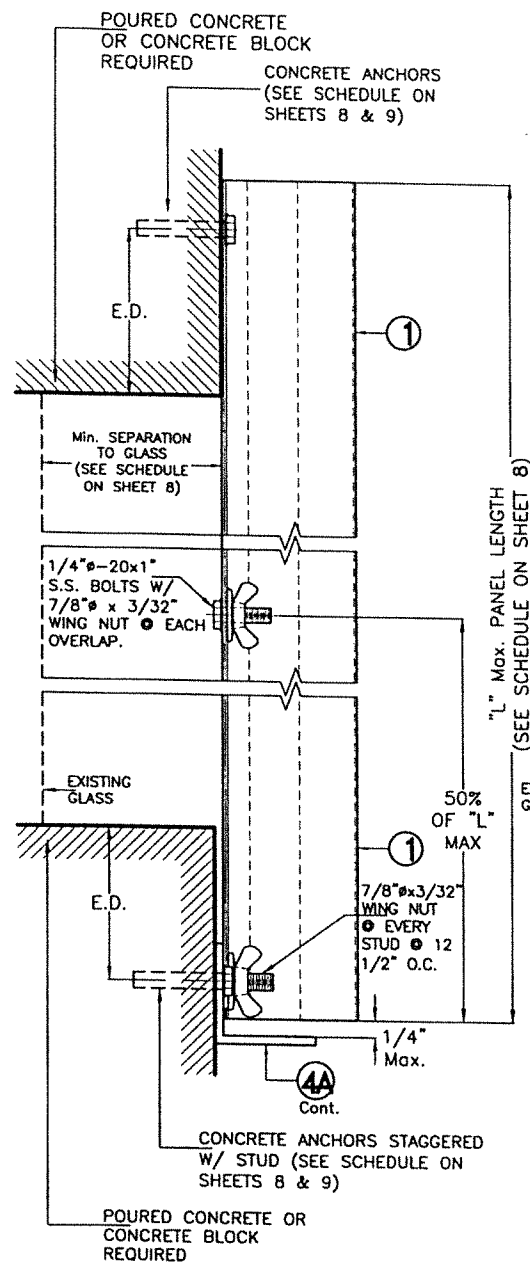


CASE F (PLAN)
SCALE 3/16=1"

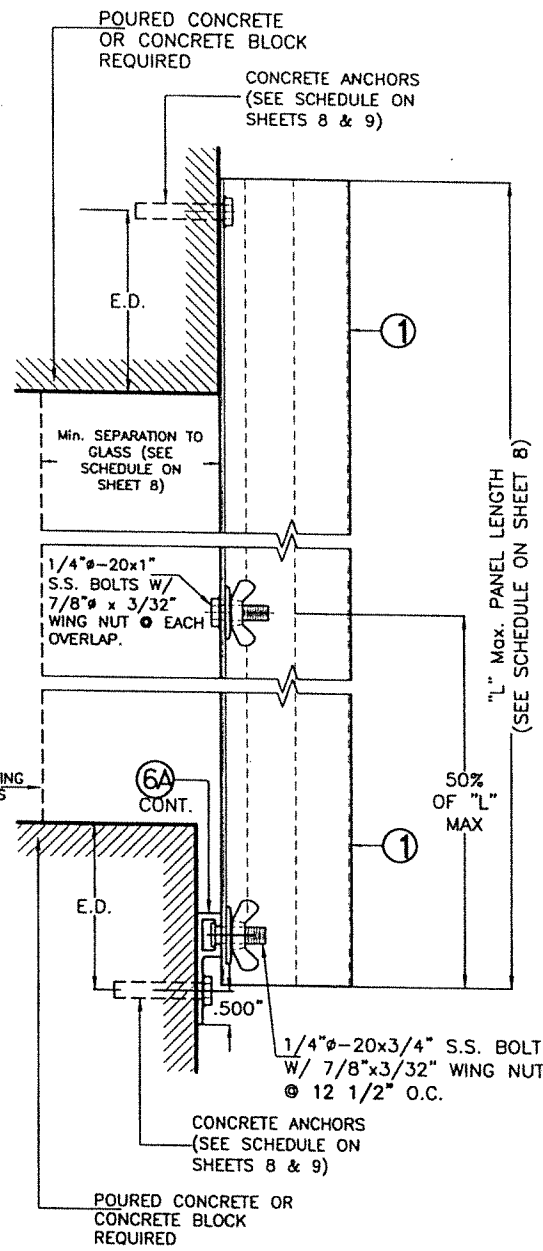
WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER
P.E. SEAL/SIGNATURE/DATE

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TILTECO INC.					
TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305) 871-1530 . Fax : (305) 871-1531					
CA-0006719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. # 44167					
FLORIDA BUILDING CODE (High Velocity Hurricane Zone)					
20 GAGE GALVANIZED STEEL STORM PANEL				W.H. DRAWN BY:	
GLOBAL PROTECTION PRODUCTS, LLC.				8/25/2023 DATE:	
4800 S.W. 51 STREET DAVIE, FL 33314 PHONE: (954)689-7545, FAX: (954)689-8797				23-194	
REV. No DESCRIPTION DATE REV. No DESCRIPTION DATE				DRAWING No:	
1	OLD 20-176	8/25/23	3	-	-
2	NEW HILLMAN ANCHORS	11/8/23	4	-	-
				SHEET 5 OF 26	

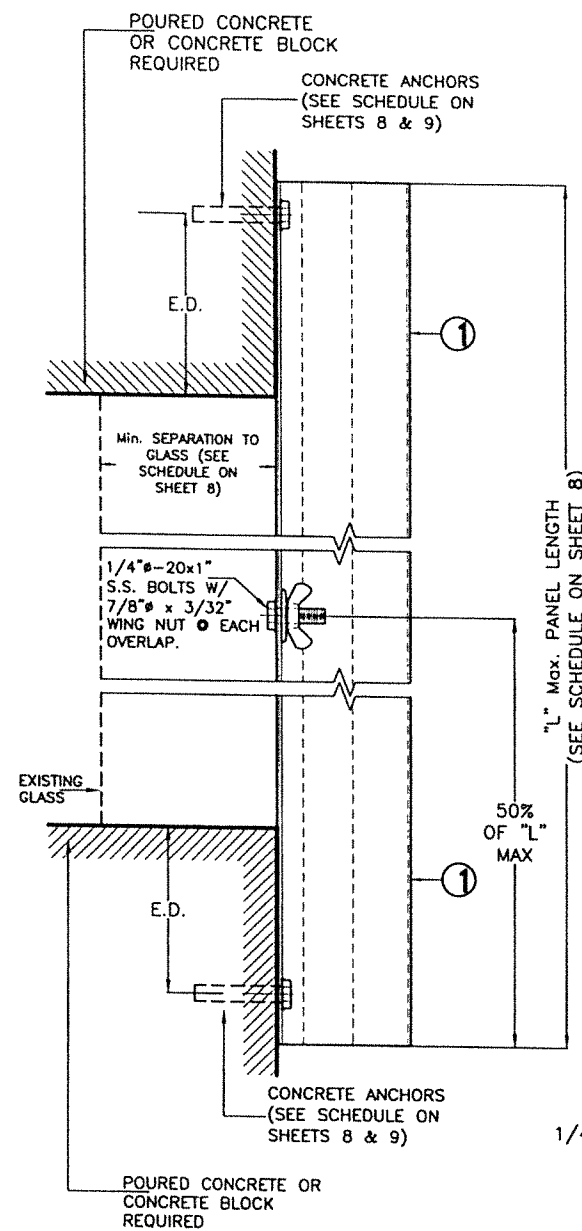
INSTALLATION DETAILS FOR REGULAR PANELS ① & ①A INTO EXISTING POURED CONCRETE OR CONCRETE BLOCK STRUCTURES



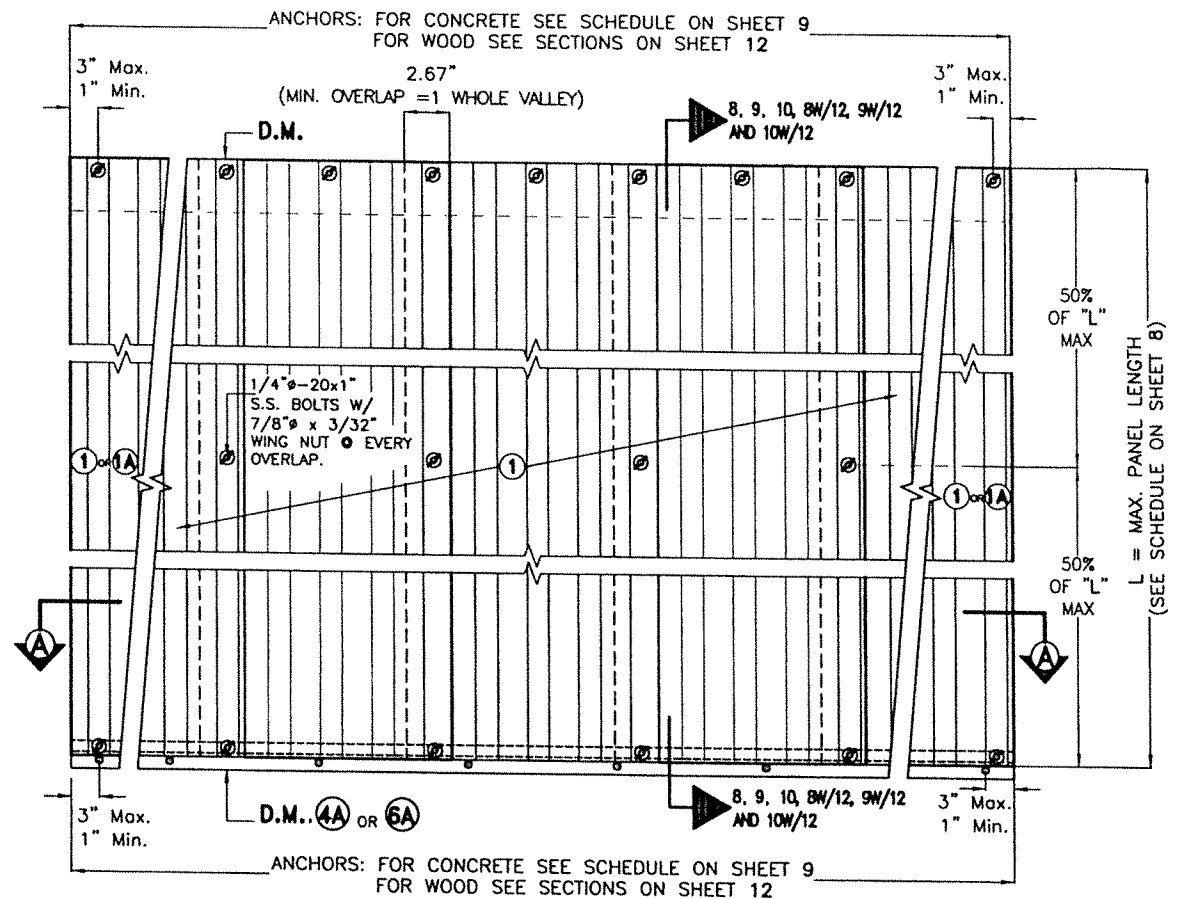
**DIRECT AND WALL MOUNTING
INSTALLATION
SECTION 8**
SCALE 3/8"=1"



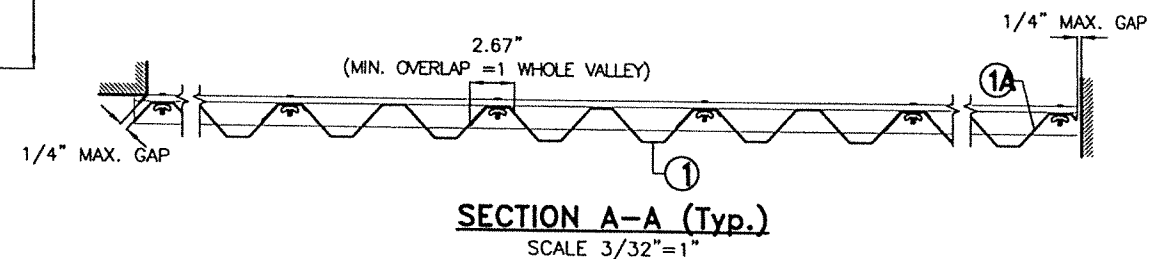
**DIRECT AND WALL MOUNTING
INSTALLATION
SECTION 9**
SCALE 3/8"=1"



**DIRECT MOUNTING
INSTALLATION
SECTION 10**
SCALE 3/8"=1"



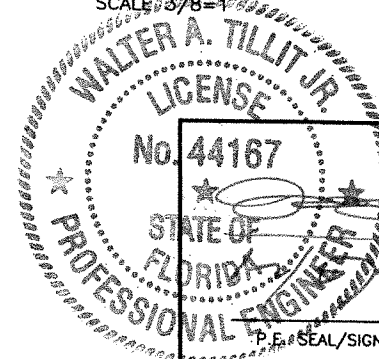
REGULAR STORM PANELS ① & ①A ELEVATION
SCALE 3/32"=1"



SECTION A-A (Typ.)
SCALE 3/32"=1"

E.D. = EDGE DISTANCE
(SEE SCHEDULE ON
SHEETS 1A, 8 & 9)

NOTE FOR COMBINATION OF SECTIONS:
TOP & BOTTOM MOUNTINGS CAN BE
COMBINED IN ANY WAY TO SUIT ANY
INSTALLATION.



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WALTER A. TILLIT JR., P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

20 GAGE GALVANIZED STEEL STORM PANEL

GLOBAL PROTECTION PRODUCTS, LLC.

4800 S.W. 51 STREET
DAVIE, FL 33314
PHONE: (954)689-7545, FAX: (954)689-8797

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-176	8/25/23	3	-	-
2	NEW HILLMAN ANCHORS	11/6/23	4	-	-

W.H.
DRAWN BY:

8/25/2023
DATE:

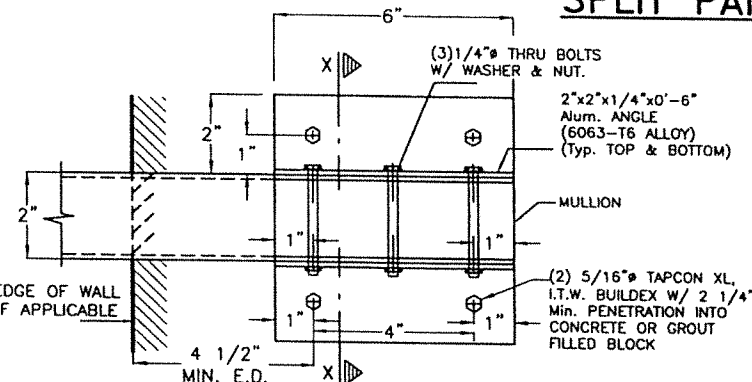
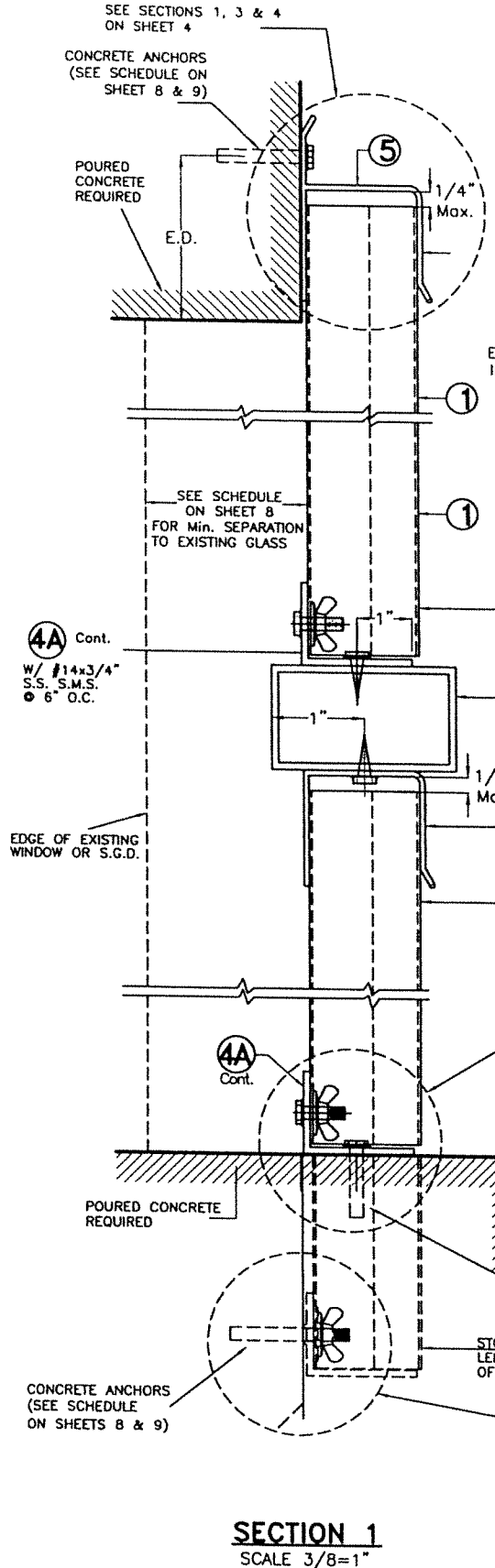
23-194

DRAWING No:

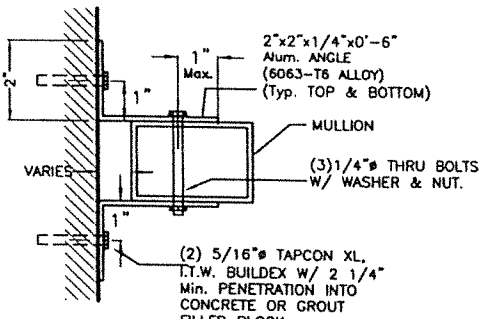
SHEET 6 OF 26

WALL AND FLOOR MOUNTING INSTALLATION FOR
SPLIT PANELS

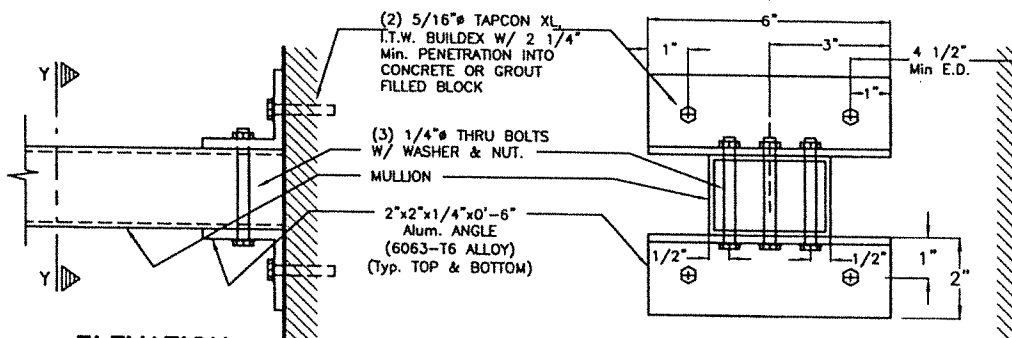
STORM PANEL W/5'-0" Max. PANEL
LENGTH & DESIGN PRESSURE RATING
OF +55.0 p.s.f., -72.0 p.s.f.



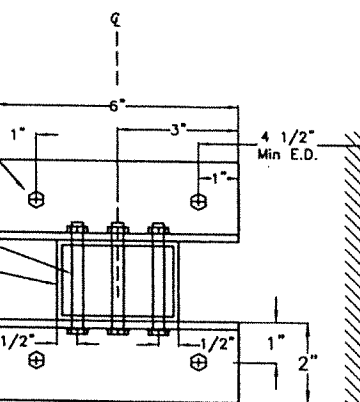
ELEVATION
SCALE: 1/4" = 1"
DETAIL 1



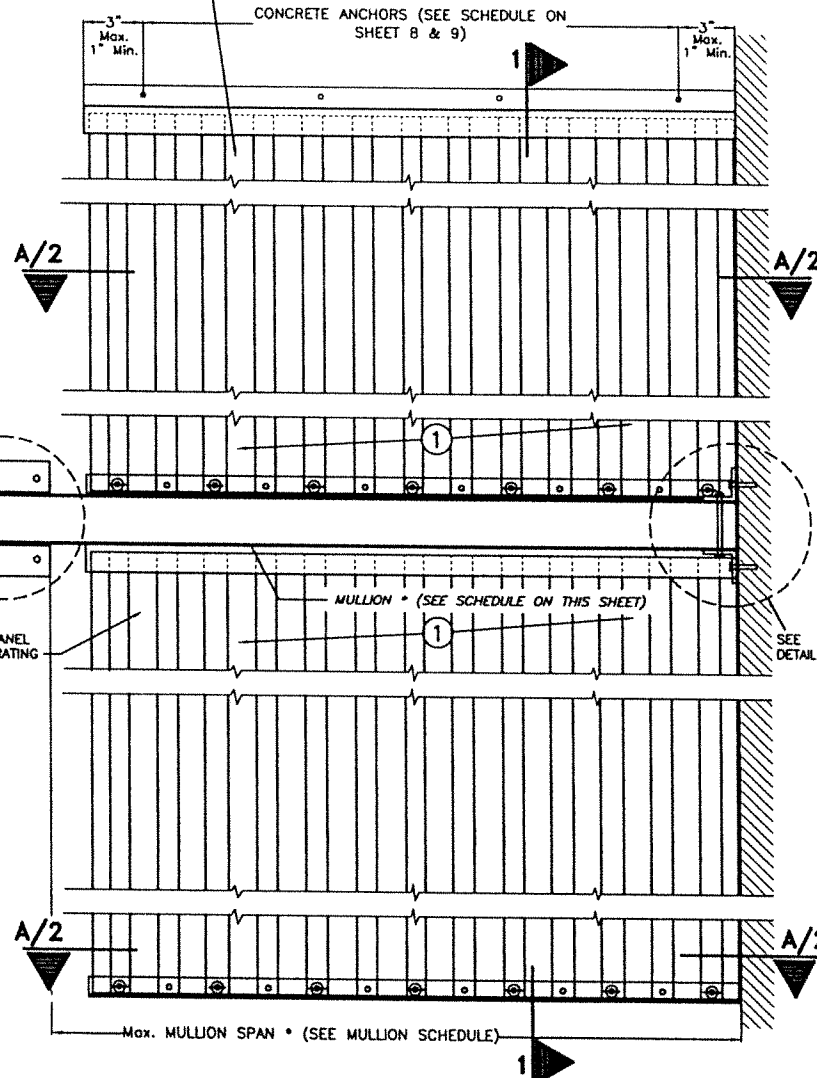
SECTION X-X
SCALE: 1/4" = 1"



ELEVATION
SCALE 1/4"=1"
DETAIL 2



SECTION Y-Y
SCALE 1/4"=1"



SPLIT STORM PANEL ELEVATION
SCALE 1/8"=1"

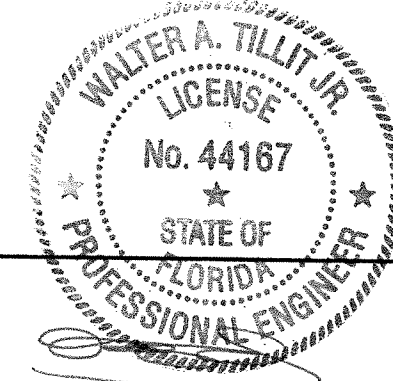
MULLION SCHEDULE

Max. MULLION SPAN (Ft.) *	REQUIRED Min. TUBE MULLION **
≤ 4'-6"	2" x 3" x 1/8"
> 4'-6" TO 5'-8"	2" x 4" x 1/8"
> 5'-8" TO 6'-10"	2" x 5" x 1/8" 2" x 4" x 1/4"
> 6'-10" TO 8'-0"	2" x 6" x 1/8"

* SPANS VALID FOR A.S.D. DESIGN PRESSURE RATING
UP TO +55.0 p.s.f., -72.0 p.s.f.
** MINIMUM TUBE'S DIMENSION SHALL BE ORIENTED
PARALLEL TO STORM PANEL'S LENGTH.

SECTION 1
SCALE 3/8"=1"

NOTE: MULLION CAN ALSO BE INSTALLED W/O STORM PANELS ON TOP
OR BOTTOM SO THAT IT IS LOCATED AT TOP OR BOTTOM OF OPENING.
(ONE PANEL OPENING W/ TUBE TOP & BOTTOM)



12/9/2023
P.E. SEAL/SIGNATURE/DATE

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6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305) 871-1530 • Fax : (305) 871-1531
CA-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

20 GAGE GALVANIZED STEEL STORM PANEL						W.H. DRAWN BY:
GLOBAL PROTECTION PRODUCTS, LLC.						8/25/2023 DATE:
4800 S.W. 51 STREET DAVIE, FL 33314 PHONE: (954)689-7545, FAX: (954)689-8797						23-194
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	DRAWING No:
1	OLD 20-176	8/25/23	3	-	-	SHEET 7 OF 26
2	NEW HILLMAN ANCHORS	11/6/23	4	-	-	

MAXIMUM A.S.D. DESIGN PRESSURE RATING (p.s.f.) AND CORRESPONDING
MAXIMUM PANEL LENGTH "L" SCHEDULE

(VALID ONLY FOR PANELS ① & ①A INSTALLATIONS AS PER SECTIONS 1 THRU 10, ON SHEETS 4, 5 & 6)

MAXIMUM A.S.D. DESIGN PRESSURE RATING (p.s.f.)	Max. PANEL LENGTH L (ft.) (SEE SECTIONS)	MINIMUM SEPARATION TO GLASS	PANEL CONDITION	APPLICABLE TO SECTIONS # AND ANY COMBINATION OF THEM
+55.5, -72.0	7'-5" OR LESS	2 1/4"	UNBOLTED	1 THRU 5 & 7
+55.5, -72.0	>7'-5" TO 8'-8" Max.	2 3/4"	UNBOLTED	1 THRU 5 & 7
+55.0, -72.0	>8'-8" TO 11'-2" Max.	2 1/2"	* BOLTED AT MIDLENGTH AT OVERLAPS	6
+43.8, -48.0	12'-4" OR LESS	3 1/2"	* BOLTED AT MIDLENGTH AT OVERLAPS	8, 9 & 10

* BOLTED W/ 1/4"x20x1" S.S. M.S. & WINGNUT AT OVERLAP & MIDLENGTH OF PANEL.

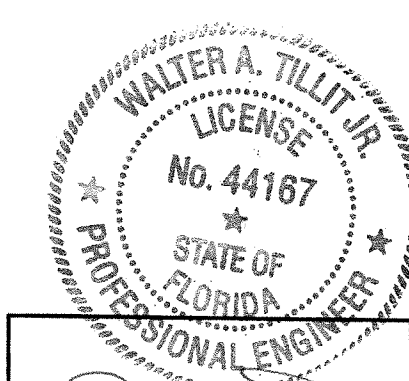
MAXIMUM A.S.D. DESIGN PRESSURE RATING (p.s.f.) AND CORRESPONDING MAXIMUM ANCHOR
SPACING SCHEDULE FOR REGULAR STORM PANELS ① & ①A INSTALLATIONS
INTO EXISTING CONCRETE & CONCRETE BLOCK STRUCTURES

(VALID ONLY FOR PANELS ① & ①A INSTALLATIONS AS PER SECTIONS 1 THRU 7, ON SHEETS 4 & 5)

MAXIMUM A.S.D. DESIGN PRESSURE RATING (p.s.f.)	MAXIMUM ANCHORS SPACING FOR E.D. = 3 1/2" **																							APPLICABLE TO SECTIONS # & ANY COMBINATION OF THEM	MAXIMUM PANEL LENGTH "L" (ft.)
	TAPCON		CALK-IN		ELCO PANELMATE FEMALE ID		ELCO PANELMATE PLUS		HILLMAN SOLID SET 1/4" SCREW CS			HILLMAN SOLID SET #14 FEMALE CS.			HILLMAN SOLID SET 1/4" SCREW 410 SS.			HILLMAN SOLID SET #14 MALE CS.			HILLMAN SOLID SET #14 MALE 304 SS.				
	TO CONCRETE	TO CONCRETE BLOCK	TO CONCRETE	TO CONCRETE BLOCK	TO CONCRETE	TO CONCRETE BLOCK	TO CONCRETE	TO CONCRETE BLOCK	TO CONCRETE	GROUT FILLET	TO CONCRETE BLOCK	TO CONCRETE	GROUT FILLET	TO CONCRETE BLOCK	TO CONCRETE	GROUT FILLET	TO CONCRETE BLOCK	TO CONCRETE	GROUT FILLET	TO CONCRETE BLOCK	TO CONCRETE	GROUT FILLET	TO CONCRETE BLOCK		
+55.5, -72.0 OR LESS	6"	N/A	6"	N/A	6"	N/A	6"	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	1 (TOP)	7'-5" OR LESS
	6"	5"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	4"	1 (BOTTOM)	
	6"	N/A	6"	N/A	6"	N/A	6"	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	2 (TOP)	
	6"	N/A	6"	N/A	5"	N/A	5"	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	2 (BOTTOM)	
	6"	N/A	6"	N/A	6"	N/A	6"	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	3 & 4 (TOP)	
	6"	5"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	4"	3 (BOTTOM)	
	6"	N/A	6"	N/A	6"	N/A	6"	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	7 (TOP)	
	6"	5"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	4"	4 & 7 (BOTTOM)	
	N/A	N/A	12 1/2"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	N/A	N/A	N/A	6 1/4"	6 1/4"	6 1/4"	N/A	N/A	N/A	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	N/A	5 (TOP/BOTTOM)	

SEE SHEETS 10 & 11 FOR ANCHORS TYPE & SPACING FOR INSTALLATIONS INTO WOOD FRAME BUILDING.
MINIMUM ANCHOR SPACINGS AND MINIMUM EDGE DISTANCE ARE INDICATED ON THIS SCHEDULE. FOR E.D. LESS THAN INDICATED ON SCHEDULE REDUCE ANCHOR
SPACING BY MULTIPLYING SPACING SHOWN ON SCHEDULE BY THE FOLLOWING FACTORS. 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.

ANCHOR TYPE		1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
		TAPCON	ELCO PANELMATE FEMALE ID	ELCO PANELMATE PLUS	CALK-IN	ALL POINT SOLID-SET	HILLMAN SOLID SET 1/4" CS	HILLMAN SOLID SET #14 FEMALE CS	HILLMAN SOLID SET 1/4" 410 SS	HILLMAN SOLID SET #14 MALE CS	HILLMAN SOLID SET #14 MALE 304 SS
Min. ANCHOR SPACING (in.)		3	3	3	2 1/2	3	3	3	3	3	3
** EDGE DISTANCE (E.D. Min.)	Concrete (in.)	3	3	3	3	3 1/2	3	3	3	3	3
	Grout filled (in.)	-	-	-	-	-	3	3	3	3	3
	Concrete Block (in.)	3	3 1/2	3 1/2	4	3 1/2	3	3	3	3	3
ACTUAL E.D. (EDGE DISTANCE)		FACTOR									
1 1/2"		.35	-	-	-	-	-	-	-	-	-
2 1/2"		-	-	-	.50	.63	-	-	-	-	-
3"		1.00	-	1.00	.63	-	-	-	-	-	-
3 1/2"		-	1.00	-	1.00	1.00	-	-	-	-	-



P.E. SEAL/SIGNATURE/DATE

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CA-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

20 GAGE GALVANIZED STEEL STORM PANEL 6

W.H.
DRAWN BY:

GLOBAL PROTECTION PRODUCTS, LLC.

8/25/2023
DATE:

4800 S.W. 51 STREET
DAVIE, FL 33314

PHONE: (954)689-7545, FAX: (954)689-8797

23-194

DRAWING No:

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-176	8/25/23	3	-	-
2	NEW HILLMAN ANCHORS	11/6/23	4	-	-

SHEET 8 OF 26

MAXIMUM A.S.D. DESIGN PRESSURE RATING (p.s.f.) AND CORRESPONDING MAXIMUM ANCHOR SPACING SCHEDULE FOR REGULAR STORM PANELS ① & ①A INSTALLATIONS INTO EXISTING CONCRETE & CONCRETE BLOCK STRUCTURES

(VALID ONLY FOR PANELS ① & ①A INSTALLATIONS AS PER SECTIONS 1 THRU 10, ON SHEETS 4, 5 & 6)

MAXIMUM A.S.D. DESIGN PRESSURE RATING (p.s.f.)	MAXIMUM ANCHORS SPACING FOR E.D. = 3 1/2" **																										APPLICABLE TO SECTIONS # & ANY COMBINATION OF THEM	MAXIMUM PANEL LENGTH "L" (ft.)
	TAPCON		CALK-IN		ELCO PANELMATE FEMALE ID		ELCO PANELMATE PLUS		ALL POINT SOLID SET		HILLMAN SOLID SET 1/4" SCREW CS		HILLMAN SOLID SET #14 FEMALE CS		HILLMAN SOLID SET 1/4" SCREW 410 SS		HILLMAN SOLID SET #14 MALE CS			HILLMAN SOLID SET #14 MALE 304 SS								
	TO CONCRETE	TO CONCRETE BLOCK	TO CONCRETE	TO CONCRETE BLOCK	TO CONCRETE	TO CONCRETE BLOCK	TO CONCRETE	TO CONCRETE BLOCK	TO CONCRETE	TO CONCRETE BLOCK	TO CONCRETE	GROUT FILLET	TO CONCRETE BLOCK	TO CONCRETE	GROUT FILLET	TO CONCRETE BLOCK	TO CONCRETE	GROUT FILLET	TO CONCRETE BLOCK	TO CONCRETE	GROUT FILLET	TO CONCRETE BLOCK	TO CONCRETE	GROUT FILLET	TO CONCRETE BLOCK			
+55.5,-72.0 OR LESS	6"	N/A	6"	N/A	6"	N/A	6"	N/A	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	1 (TOP)	>7'-5" TO 8'-8"	
	6"	4"	6"	6"	6"	6"	6"	6"	N/A	N/A	6"	6"	6"	6"	6"	5 1/2"	6"	6"	6"	6"	6"	5 1/2"	6"	6"	3 1/2"	1 (BOTTOM)		
	6"	N/A	6"	N/A	6"	N/A	6"	N/A	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	2 (TOP)		
	6"	N/A	6"	N/A	5"	N/A	5"	N/A	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	2 (BOTTOM)		
	6"	N/A	6"	N/A	6"	N/A	6"	N/A	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	3 & 4 (TOP)		
	6"	4"	6"	6"	6"	6"	6"	6"	N/A	N/A	6"	6"	6"	6"	6"	5 1/2"	6"	6"	6"	6"	6"	5 1/2"	6"	6"	3 1/2"	3 (BOTTOM)		
	6"	N/A	6"	N/A	6"	N/A	6"	N/A	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	6"	N/A	N/A	7 (TOP)		
	6"	4"	6"	6"	6"	6"	6"	6"	N/A	N/A	6"	6"	6"	6"	6"	5 1/2"	6"	6"	6"	6"	6"	5 1/2"	6"	6"	3 1/2"	4 & 7 (BOTTOM)		
	N/A	N/A	12 1/2"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	N/A	N/A	N/A	N/A	N/A	6 1/4"	6 1/4"	N/A	N/A	N/A	N/A	6 1/4"	6 1/4"	N/A	6 1/4"	6 1/4"	N/A	5 (TOP/BOTTOM)		
+50.0,-53.3	N/A	N/A	12 1/2"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	N/A	N/A	N/A	N/A	N/A	6 1/4"	6 1/4"	N/A	N/A	N/A	N/A	6 1/4"	6 1/4"	N/A	6 1/4"	6 1/4"	N/A	6 (TOP/BOTTOM)	>8'-8" TO 11'-2"	
+55.0,-72.0	N/A	N/A	6 1/4"	N/A	6 1/4"	6 1/4"	6 1/4"	6 1/4"	N/A	N/A	N/A	N/A	N/A	6 1/4"	6 1/4"	N/A	N/A	N/A	N/A	6 1/4"	6 1/4"	N/A	6 1/4"	6 1/4"	N/A	6 (TOP/BOTTOM)	>8'-8" TO 11'-2"	
+43.8,-48.0 OR LESS	N/A	N/A	N/A	N/A	N/A	N/A	6 1/4"	6 1/4"	6 1/4"	6 1/4"	N/A	N/A	N/A	6 1/4"	6 1/4"	N/A	N/A	N/A	N/A	6 1/4"	6 1/4"	N/A	6 1/4"	6 1/4"	N/A	8, 9, 10 (TOP)	12'-4" OR LESS	
	6"	4"	N/A	N/A	N/A	N/A	6"	6"	6 1/4"	6 1/4"	6"	6"	6"	6"	6"	5 1/2"	6"	6"	6"	6"	6"	5 1/2"	6"	6"	3 1/2"	8 (BOTTOM)		
	6"	4"	N/A	N/A	N/A	N/A	6"	6"	6 1/4"	6 1/4"	6"	6"	6"	6"	6"	5 1/2"	6"	6"	6"	6"	6"	5 1/2"	6"	6"	3 1/2"	9 (BOTTOM)		
	N/A	N/A	N/A	N/A	N/A	N/A	6 1/4"	6 1/4"	6 1/4"	6 1/4"	N/A	N/A	N/A	6 1/4"	6 1/4"	N/A	N/A	N/A	N/A	6 1/4"	6 1/4"	N/A	6 1/4"	6 1/4"	N/A	10 (BOTTOM)		

SEE SHEETS 10 & 11 FOR ANCHORS TYPE & SPACING FOR INSTALLATIONS INTO WOOD FRAME BUILDING. MINIMUM ANCHOR SPACINGS AND MINIMUM EDGE DISTANCE ARE INDICATED ON THIS SCHEDULE. FOR E.D. LESS THAN INDICATED ON SCHEDULE REDUCE ANCHOR SPACING BY MULTIPLYING SPACING SHOWN ON SCHEDULE BY THE FOLLOWING FACTORS. 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.

ANCHOR TYPE		1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
		TAPCON	ELCO PANELMATE FEMALE ID	ELCO PANELMATE PLUS	CALK-IN	ALL POINT SOLID-SET	HILLMAN SOLID SET 1/4" CS	HILLMAN SOLID SET #14 FEM/CS	HILLMAN SOLID SET 1/4" 410,SS	HILLMAN SOLID SET #14 MALE CS	HILLMAN SOLID SET #14 MALE 304 SS
Min. ANCHOR SPACING (in.)		3	3	3	2 1/2	3	3	3	3	3	3
** EDGE DISTANCE (E.D. Min.)	Concrete (in.)	3	3	3	3	3 1/2	3	3	3	3	3
	Grout filled (in.)	-	-	-	-	-	3	3	3	3	3
	Concrete Block (in.)	3	3 1/2	3 1/2	4	3 1/2	3	3	3	3	3
ACTUAL E.D. (EDGE DISTANCE)		FACTOR									
1 1/2"		.35	-	-	-	-	-	-	-	-	-
2 1/2"		-	-	-	.50	0.63	-	-	-	-	-
3"		1.00	-	1.00	.63	-	-	-	-	-	-
3 1/2"		-	1.00	-	1.00	1.00	-	-	-	-	-

WALTER A. TILLIT, JR.
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER
P.E. SEAL/SIGNATURE/DATE

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TILTECO INC.
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CA-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

20 GAGE GALVANIZED STEEL STORM PANEL

GLOBAL PROTECTION PRODUCTS, LLC.

4800 S.W. 51 STREET
DAVIE, FL 33314
PHONE: (954)689-7545, FAX: (954)689-8797

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-178	8/25/23	3	-	-
2	NEW HILLMAN ANCHORS	11/8/23	4	-	-

W.H.
DRAWN BY:

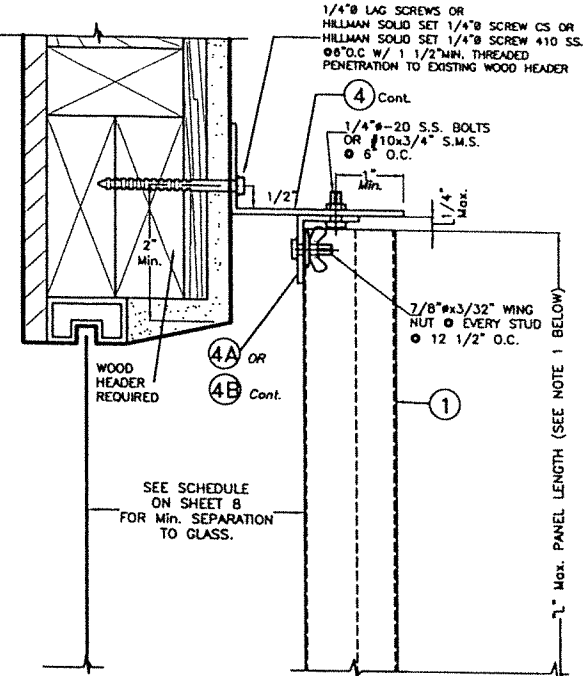
8/25/2023
DATE:

23-194

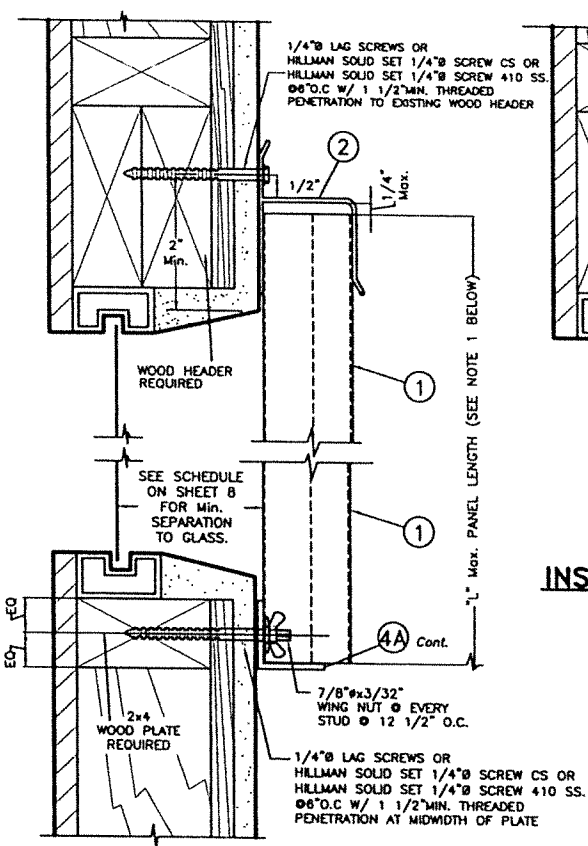
DRAWING No:

SHEET 9 OF 26

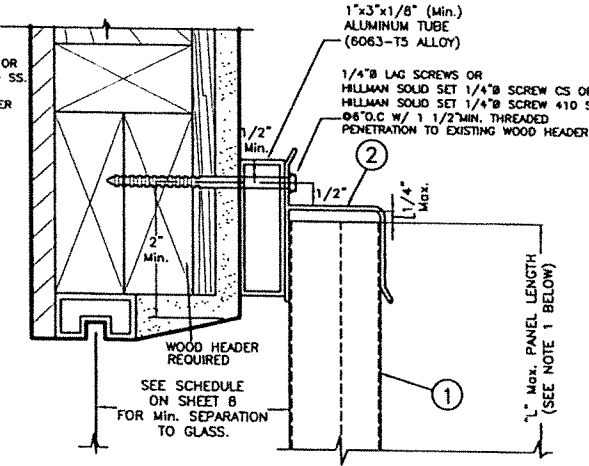
INSTALLATION DETAILS FOR REGULAR PANELS ① & ①A
INTO EXISTING WOOD STRUCTURES



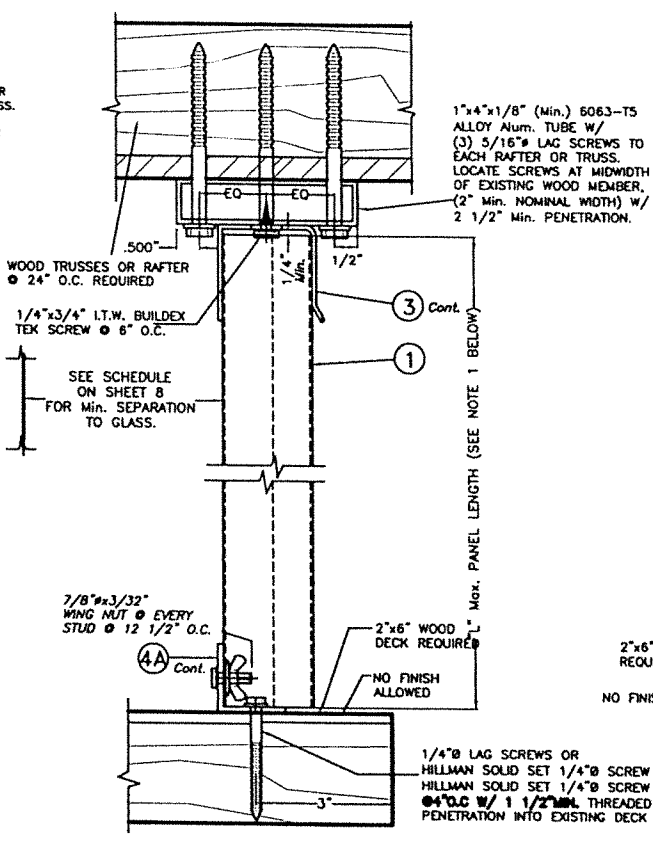
**BUILD-OUT MOUNTING
INSTALLATION - ALTERNATIVE 1W**
SCALE: 1/4" = 1"



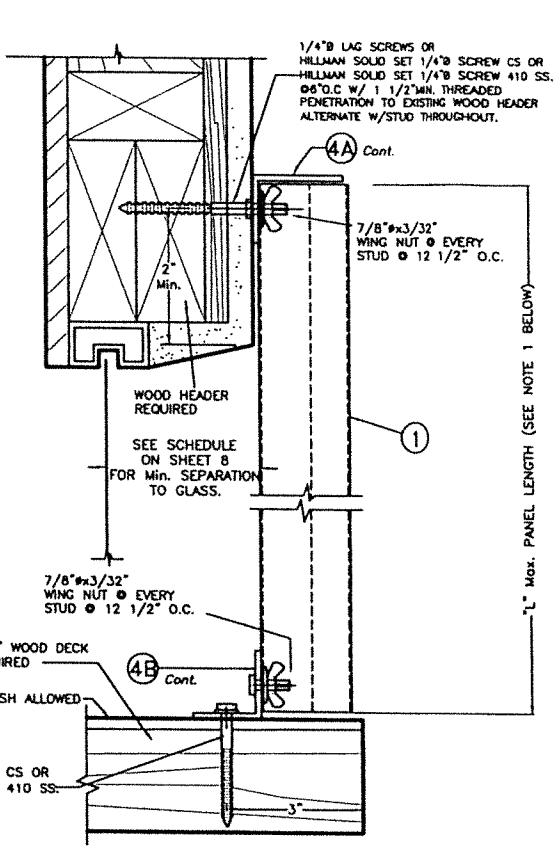
**WALL MOUNTING
INSTALLATION - ALTERNATIVE 2W**
SCALE: 1/4" = 1"



**WALL MOUNTING
INSTALLATION - ALTERNATIVE 3W**
SCALE: 1/4" = 1"



**CEILING & FLOOR MOUNTING
INSTALLATION - ALTERNATIVE 4W**
(SECTION AT TOP IS LIMITED TO +55.5-67.0 MAX.
A.S.D. DESIGN PRESSURE RATING)
SCALE: 1/4" = 1"



**WALL & FLOOR MOUNTING
INSTALLATIONS - ALTERNATIVE 5W**
SCALE: 1/4" = 1"

NOTES:

1. INSTALLATIONS ARE ONLY VALID FOR BUILDINGS WITH A.S.D. DESIGN LOADS UP TO +55.5, -72.0 p.s.f. AND PANEL'S LENGTH UP TO 8'-8".
2. FOR NEW WOOD FRAME CONSTRUCTION: WOOD MEMBERS TO BE SOUTHERN PINE NO. 2, W/ SPECIFIC DENSITY OF 0.55 OR EQUAL.

NOTE FOR COMBINATION OF SECTIONS:

TOP & BOTTOM MOUNTINGS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER

P.E. SEAL/SIGNATURE/DATE

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GLOBAL PROTECTION PRODUCTS, LLC.

4800 S.W. 51 STREET
DAVIE, FL 33314
PHONE: (954)689-7545, FAX: (954)689-8797

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-178	8/25/23	3	-	-
2	NEW HILLMAN ANCHORS	11/6/23	4	-	-

W.H.
DRAWN BY:

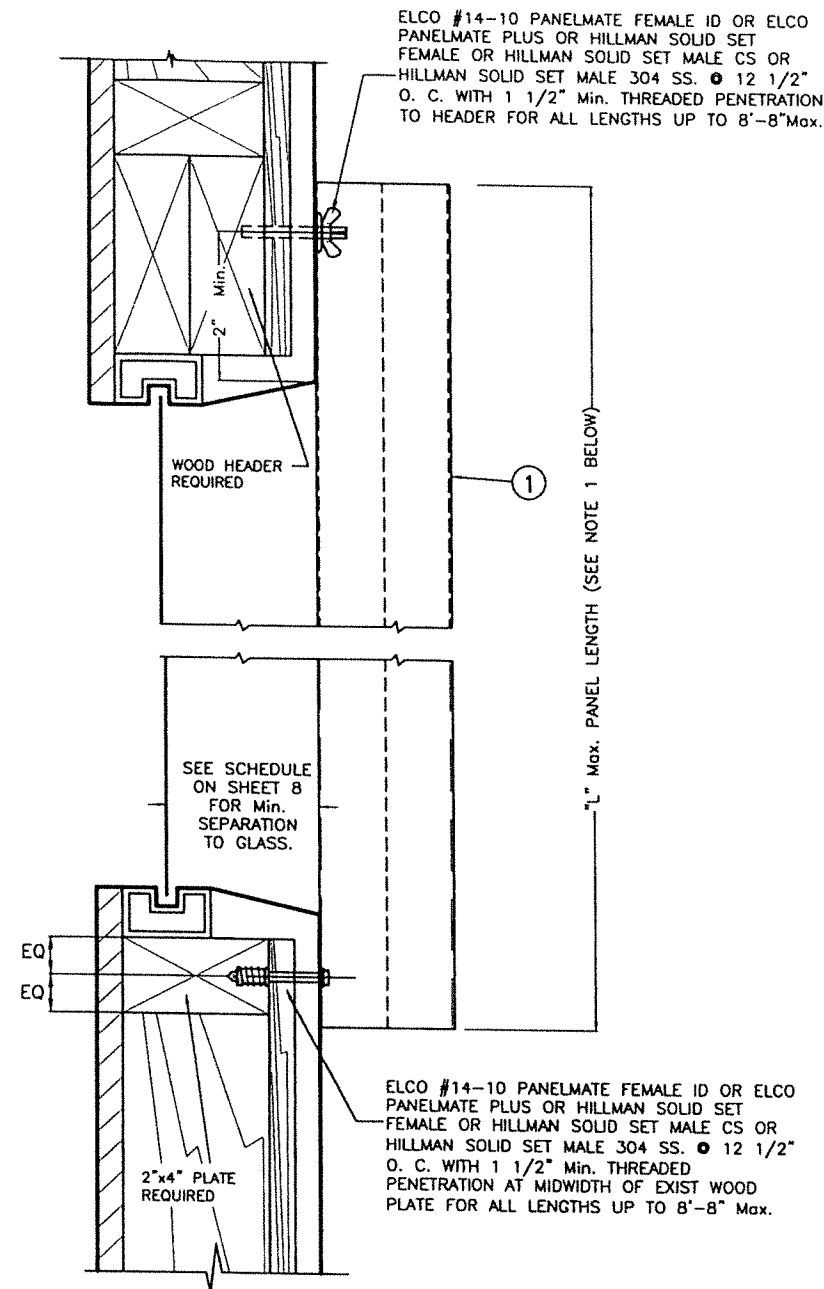
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DATE:

23-194

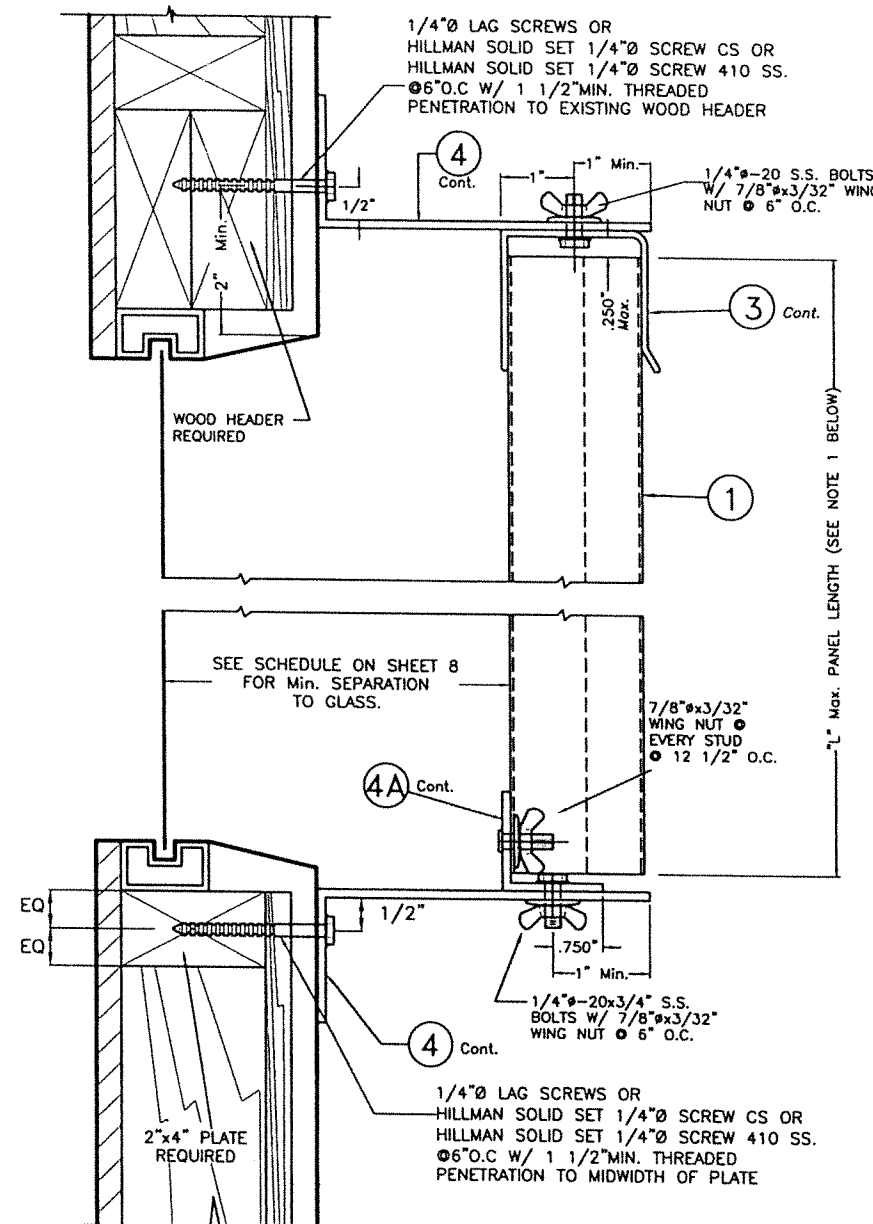
DRAWING No:

SHEET 10 OF 26

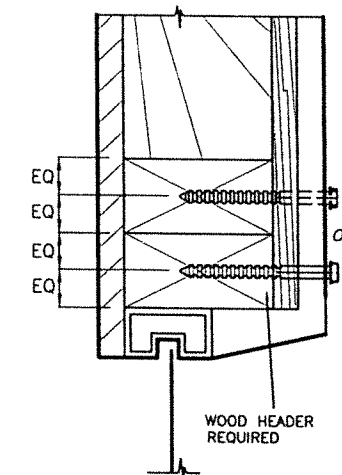
INSTALLATION DETAILS FOR REGULAR PANELS ① & ①A INTO EXISTING WOOD STRUCTURES



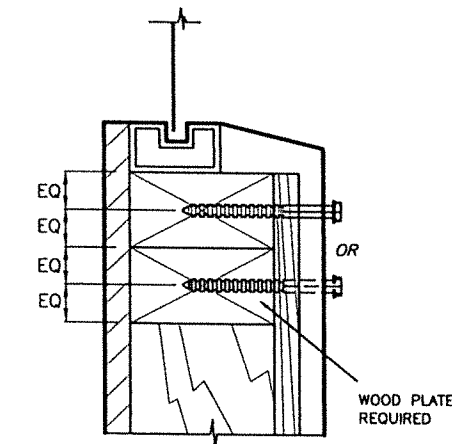
DIRECT MOUNTING INSTALLATION
ALTERNATIVE 6W
SCALE 3/8=1"



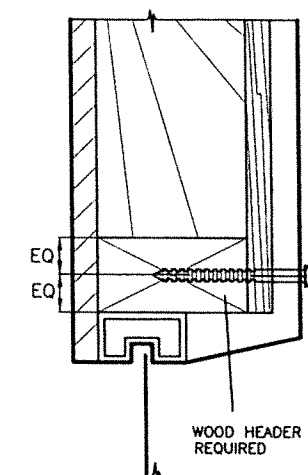
BUILD-OUT MOUNTING INSTALLATION
ALTERNATIVE 7W
SCALE 3/8=1"



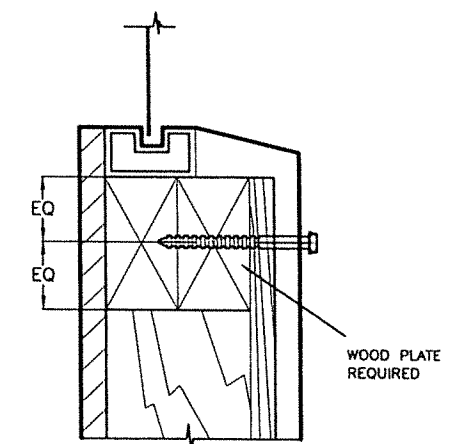
ALTERNATIVE 1W
SCALE 3/8=1"



ALTERNATIVE 3W
SCALE 3/8=1"



ALTERNATIVE 2W
SCALE 3/8=1"



ALTERNATIVE 4W
SCALE 3/8=1"

ALTERNATIVE WOOD FRAME CONDITIONS & ANCHOR LOCATIONS

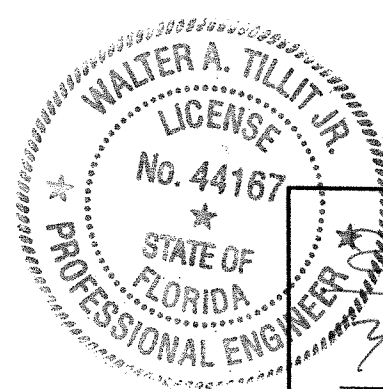
NOTE : SHUTTER TRACKS NOT SHOWN FOR CLARITY

NOTES:

1. INSTALLATIONS ARE ONLY VALID FOR BUILDINGS WITH A.S.D. DESIGN LOADS UP TO +55.5, -72.0 PSF AND PANEL'S LENGTH UP TO 8'-8".
2. FOR NEW WOOD FRAME CONSTRUCTION: WOOD MEMBERS TO BE SOUTHERN PINE NO. 2, W/ SPECIFIC DENSITY OF 0.55 OR EQUAL.

NOTE FOR COMBINATION OF SECTIONS:

TOP & BOTTOM MOUNTINGS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.



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WALTER A. TILLIT JR., P.E.
FLORIDA Lic. # 44167

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20 GAGE GALVANIZED STEEL STORM PANEL

GLOBAL PROTECTION PRODUCTS, LLC.

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DAVIE, FL 33314
PHONE: (954)689-7545, FAX: (954)689-8797

W.H.
DRAWN BY:

8/25/2023
DATE:

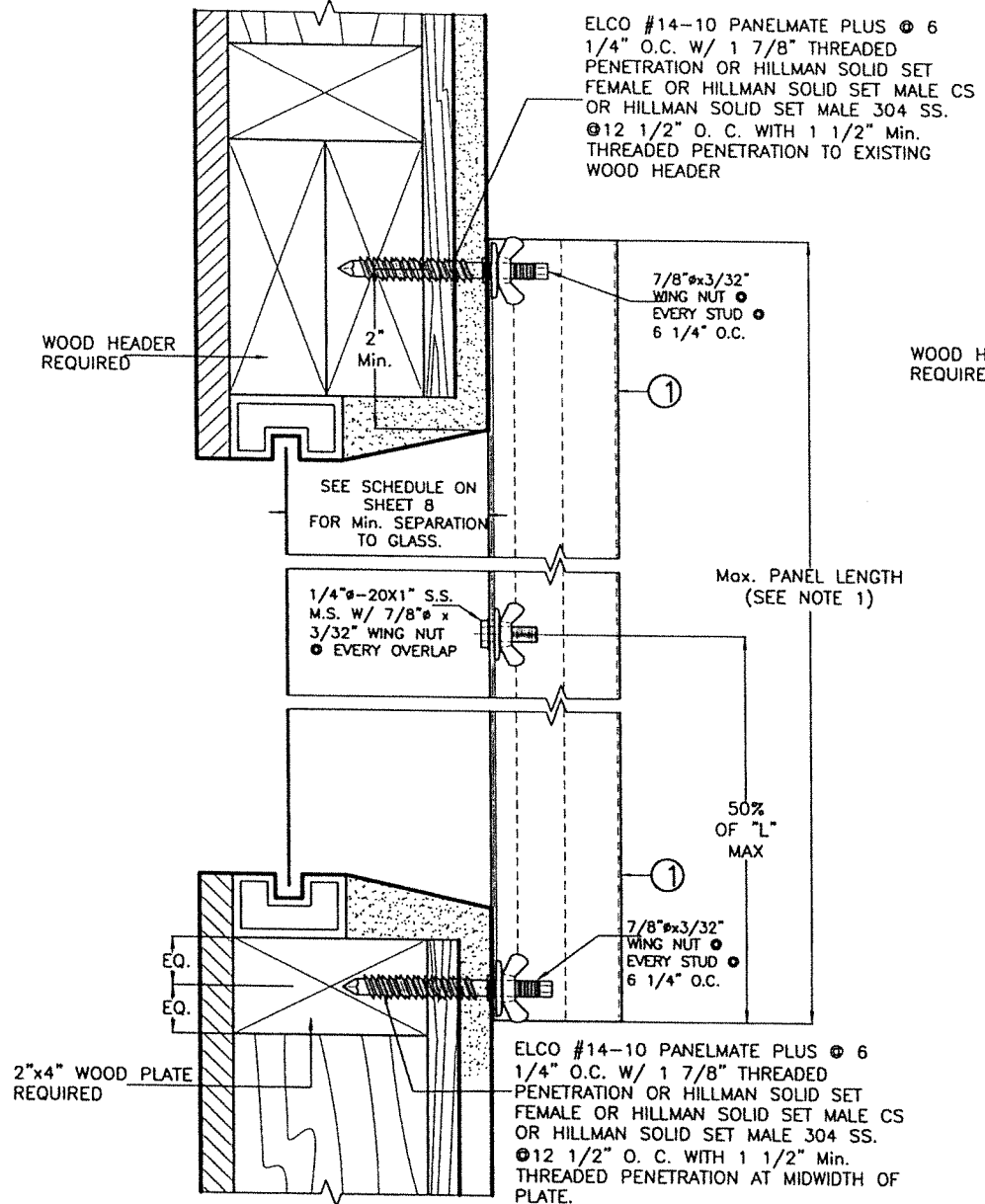
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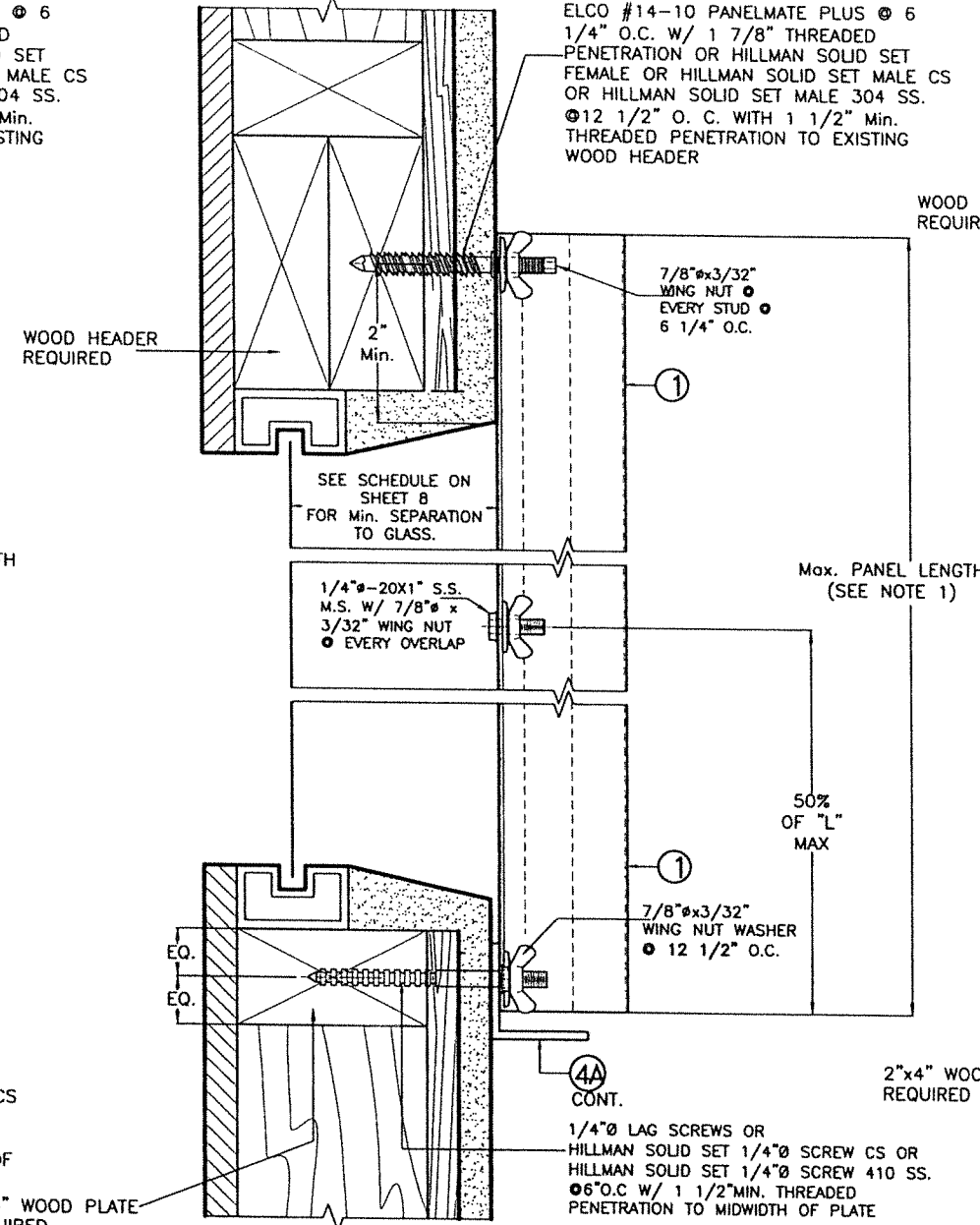
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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2	NEW HILLMAN ANCHORS	11/6/23	4	-	-

SHEET 11 OF 28

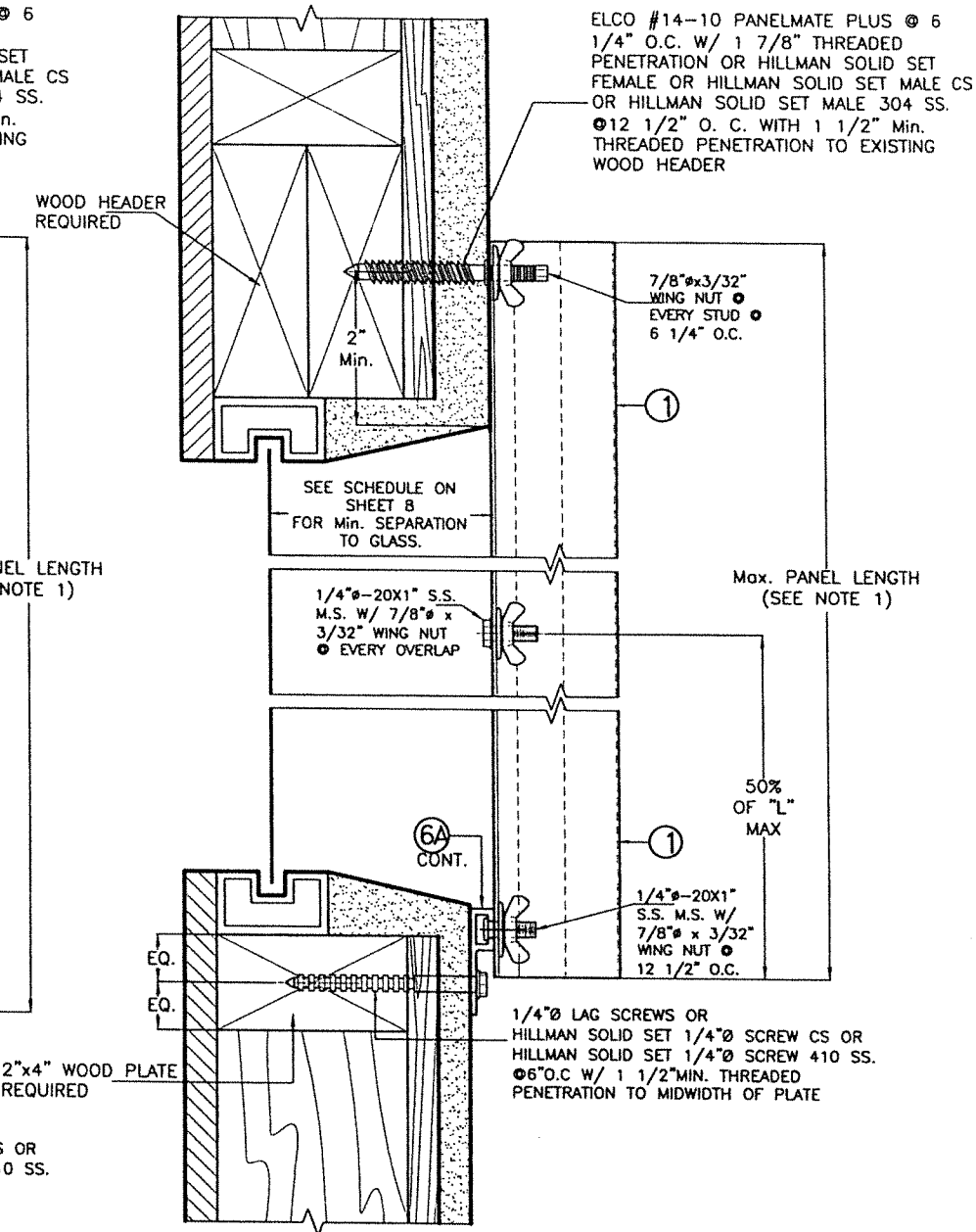
INSTALLATION DETAILS FOR REGULAR PANELS ① & 1A INTO EXISTING WOOD STRUCTURES



**DIRECT MOUNTING INSTALLATION
ALTERNATIVE 8W**
SCALE 3/8=1"



**DIRECT MOUNT / WALL MOUNTING INSTALLATION
ALTERNATIVE 9W**
SCALE 3/8=1"

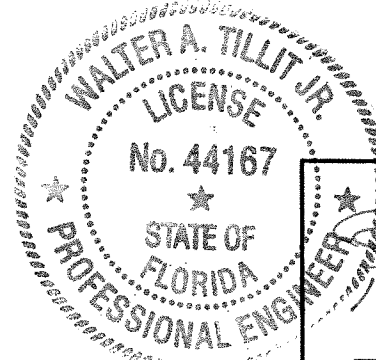


**DIRECT MOUNT / WALL MOUNTING INSTALLATION
ALTERNATIVE 10W**
SCALE 3/8=1"

- NOTES:**
1. INSTALLATIONS FOR ALTERNATIVES 8W, 9W & 10W ONLY VALID FOR BUILDINGS WITH A.S.D. DESIGN LOADS UP TO +43.8, -48.0 p.s.f. AND PANEL'S LENGTH UP TO 12'-4"
 2. FOR NEW WOOD FRAME CONSTRUCTION: WOOD MEMBERS TO BE SOUTHERN PINE NO. 2, W/ SPECIFIC DENSITY OF 0.55 OR EQUAL.

NOTE FOR COMBINATION OF SECTIONS:

TOP & BOTTOM MOUNTINGS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.



P.E. SEAL/SIGNATURE/DATE

12/5/2023

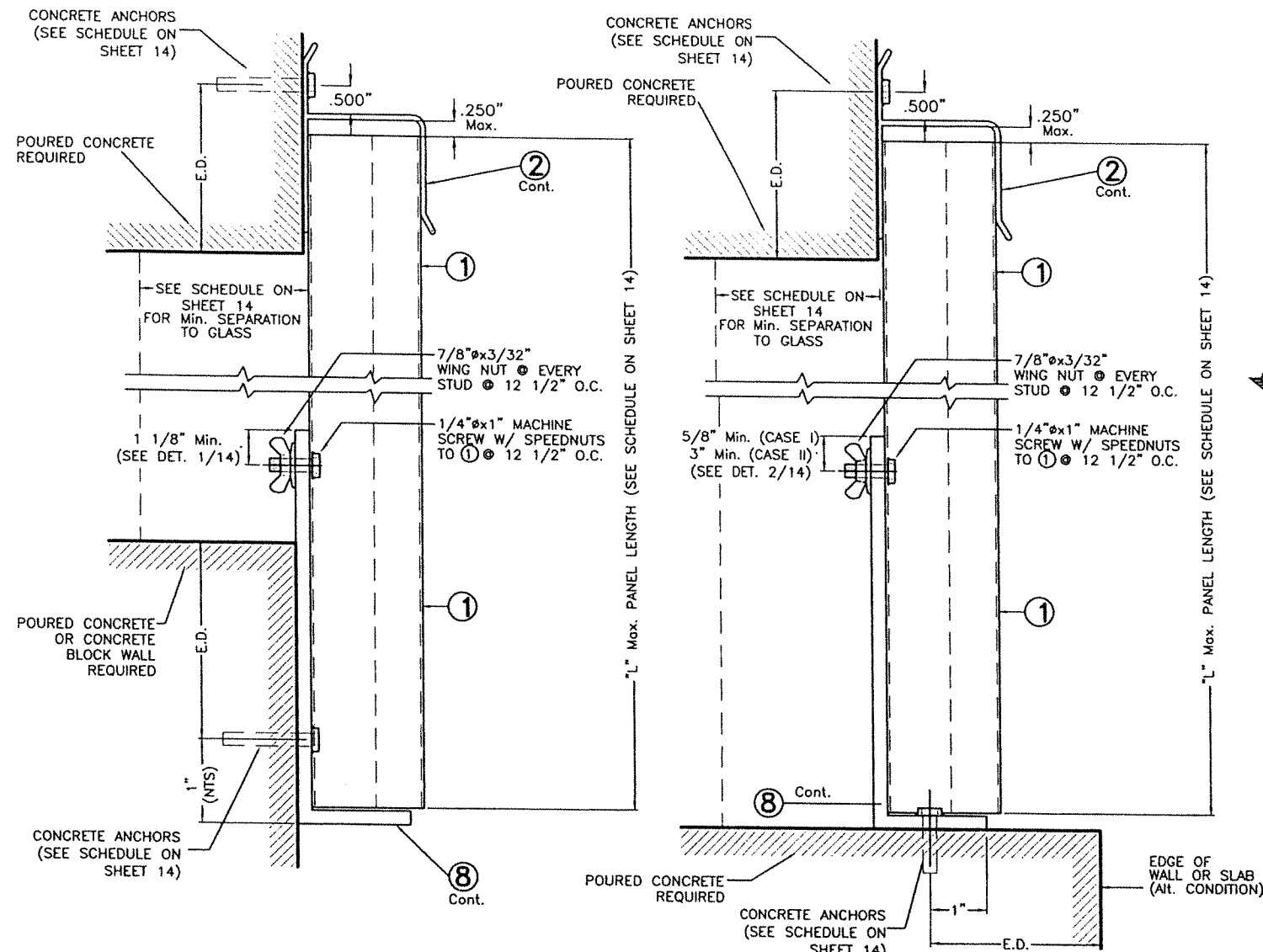
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CA-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)					
20 GAGE GALVANIZED STEEL STORM PANEL				W.H. DRAWN BY:	
GLOBAL PROTECTION PRODUCTS, LLC.				8/25/2023 DATE:	
4800 S.W. 51 STREET DAVIE, FL 33314				23-194	
PHONE: (954)689-7545, FAX: (954)689-8797				DRAWING No:	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-176	8/25/23	3	-	-
2	NEW HILLMAN ANCHORS	11/6/23	4	-	-
				SHEET 12 OF 26	

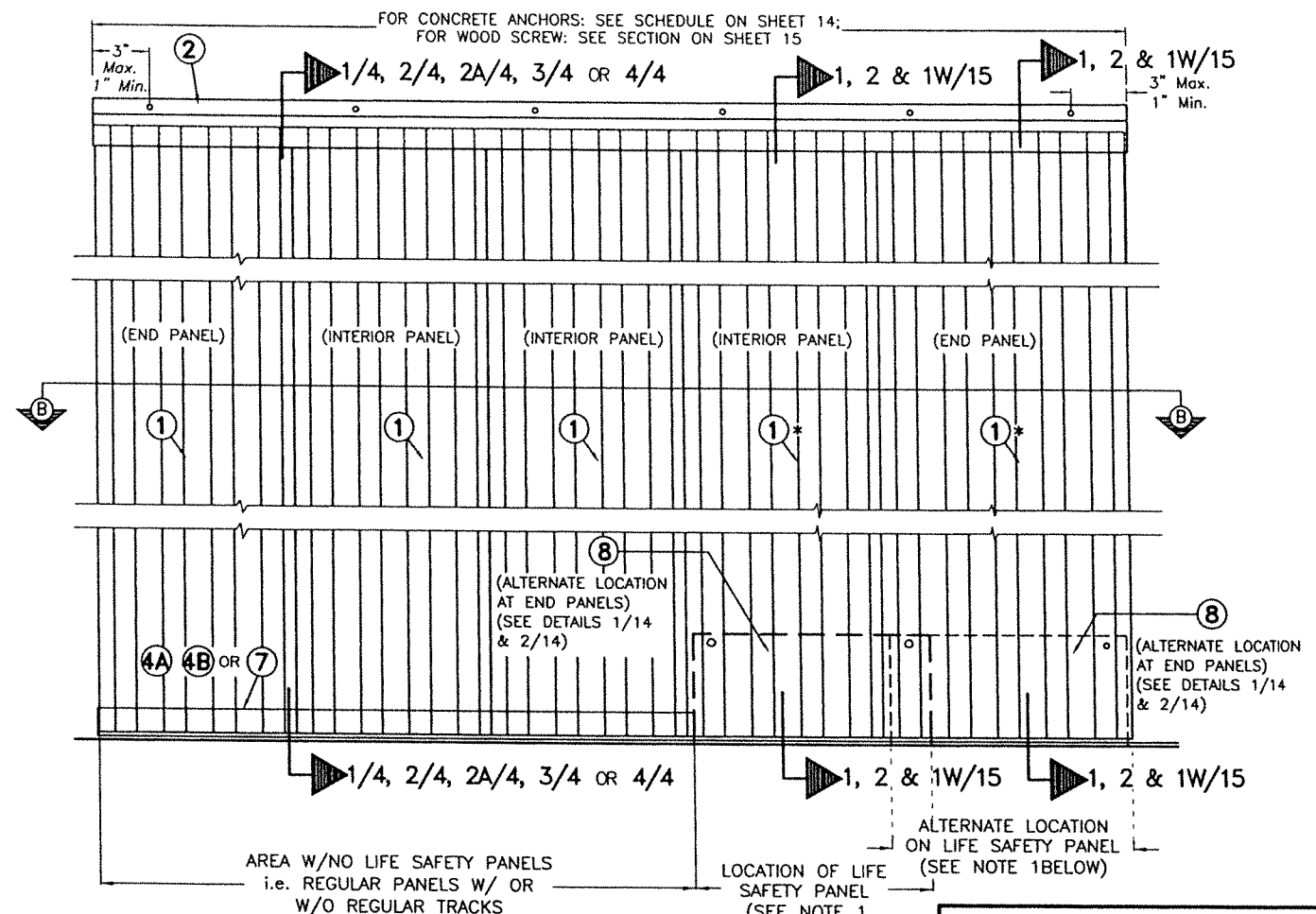


WALL MOUNTING INSTALLATION
- SECTION 1
SCALE: 3/8" = 1"

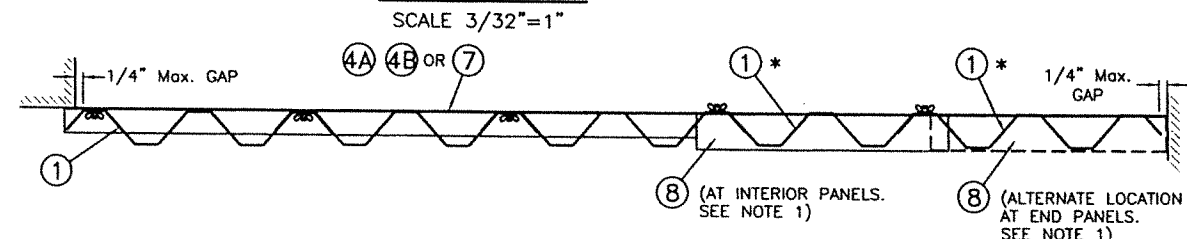
WALL AND FLOOR MOUNTING INSTALLATION
- SECTION 2
SCALE: 3/8" = 1"

NOTES ON LIFE SAFETY STORM PANEL SYSTEM INSTALLATION :

1. LIFE SAFETY STORM PANEL CAN BE LOCATED AS AN END PANEL (FIRST OR LAST PANEL) OR AS AN INTERIOR PANEL. (ANY PANEL LOCATION IN BETWEEN END PANELS). LIFE SAFETY PANELS MAY OR MAY NOT BE INSTALLED ADJACENT TO REGULAR PANELS (W/ OR W/O REGULAR TRACKS.)
2. LIFE SAFETY STORM PANEL CONSISTS OF 0.039" GALVANIZED STEEL STORM PANEL AS PER COMPONENT ①, SHEET 2 OF DRAWING. THIS PANEL ALLOWS ITSELF TO BE REMOVED OR INSTALLED FROM THE INSIDE OF STRUCTURE.
3. LIFE SAFETY PANEL REQUIRES TOP TRACK TO BE COMPONENT ② & BOTTOM TRACK TO BE COMPONENT ⑧ AS PER SHEET 2 OF THIS DRAWING. COMPONENT ⑧ MAY BE INSTALLED WALL OR FLOOR MOUNTED FOLLOWING SECTIONS 1 & 2 ON THIS SHEET, AS WELL AS DETAILS 1 & 2 ON SHEET 14.
4. Min. LENGTH FOR COMPONENT ⑧ IS 15". Max. ANCHOR SPACING FOR COMPONENT ⑧ ANCHORAGE AT BOTTOM IS GIVEN ON SCHEDULES 1 & 2, SHEET 14. COMPONENT ⑧ MAY BE PERMANENT OR REMOVABLE.
5. SEE DETAILS FOR INSTALLATION INTO WOOD FRAME BUILDINGS ON SHEET 15.
6. SEE SHEET 4 FOR DETAIL APPLICABLE TO THE NECESSITY FOR THE INSTALLATION OF SPACERS AT TRACKS INSTALLED ADJACENT AND BEYOND TO STUCCO/WOOD BANDS.
7. SEE SHEET 1A FOR ANCHOR MIN. E.D. & MIN EMBEDMENT.

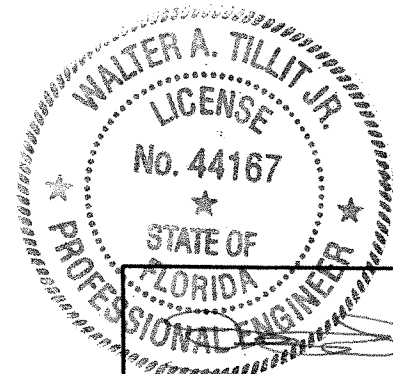


OPTION #1 FOR LIFE SAFETY STORM
PANEL ① & ⑧
ELEVATION
SCALE 3/32"=1"



SECTION B-B
SCALE 3/32"=1"

* LAST PANEL ① TO BE INSTALLED AS LIFE SAFETY STORM PANEL OPENING SHALL ALWAYS BE PROVIDED W/ REAR HANDLE TO FACILITATE INSTALLATION IF INTENDED TO BE INSTALLED OR REMOVED FROM INSIDE OF STRUCTURE.



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CA-0006719
WALTER A. TILLIT Jr., P.E.
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FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

20 GAGE GALVANIZED STEEL STORM PANEL

GLOBAL PROTECTION PRODUCTS, LLC.

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DAVIE, FL. 33314
PHONE: (954)689-7545, FAX: (954)689-8797

W.H.
DRAWN BY:

8/25/2023
DATE:

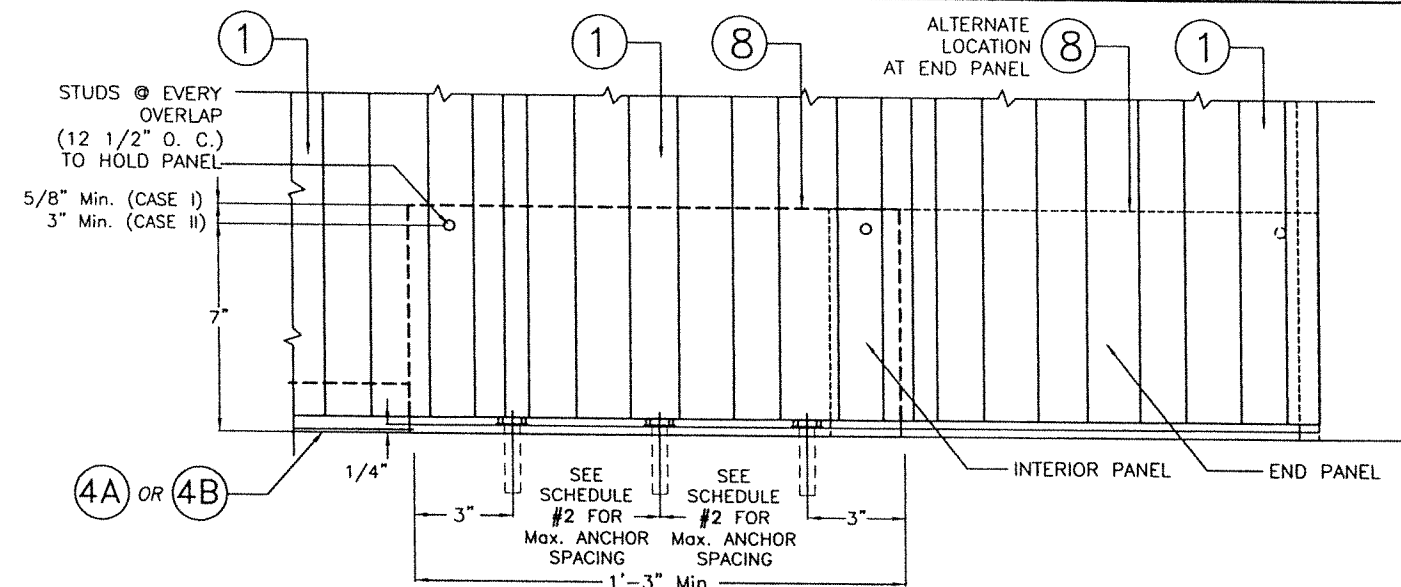
23-194

DRAWING No:

SHEET 13 OF 26

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-176	8/25/23	3	-	-
2	NEW HILLMAN ANCHORS	11/6/23	4	-	-

SHEET 14 OF 2



DETAIL 2 : FLOOR MOUNTING INSTALLATION (APPLICABLE TO SCHEDULE 2)

SCALE: 3/16" = 1"

**MAXIMUM A.S.D. DESIGN PRESSURE RATING (p.s.f.) AND CORRESPONDING
MAXIMUM PANEL LENGTH "L" SCHEDULE**

SCHEDULE # 2 : (8) W/ FLOOR MOUNT CONDITIONS AT BOTTOM W/ E.D. = 3 1/2" *

MAXIMUM A.S.D. DESIGN PRESSURE RATING (p.s.f.)	CASE I (STUD @ 5/8" Min. FROM TOP OF ANGLE)							CASE II (STUD @ 3" Min. FROM TOP OF ANGLE)							APPLICABLE TO SECTIONS # & ANY COMBINATION OF THEM	MAXIMUM PANEL LENGTH "L" (ft.)
	TAPCON TO CONCRETE	CALK-IN TO CONCRETE	HILLMAN SOLID SET 1/4" CS	HILLMAN SOLID SET #14 FEM. CS.	HILLMAN SOLID SET 1/4" 410 SS.	HILLMAN SOLID SET #14 MALE CS.	HILLMAN SOLID SET #14 MALE 304 SS.	TAPCON TO CONCRETE	CALK-IN TO CONCRETE	HILLMAN SOLID SET 1/4" CS	HILLMAN SOLID SET #14 FEM. CS.	HILLMAN SOLID SET 1/4" 410 SS.	HILLMAN SOLID SET #14 MALE CS.	HILLMAN SOLID SET #14 MALE 304 SS.		
+49.2 -61.5	3"	3"	3 1/4"	3 1/2"	3 1/4"	3 1/2"	2 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4"	2 (BOTTOM)	7'-6" OR LESS
+52.8 -66.0	3"	3"	3"	3 1/4"	3"	3 1/4"	2 1/2"	4"	4"	4"	4"	4"	4"	3 1/2"	2 (BOTTOM)	7'-6" OR LESS
+55.0 -72.0	2 1/2"	2 1/2"	2 1/2"	3"	2 1/2"	3"	2 1/4"	4"	3 1/2"	4"	4"	4"	4"	3 1/2"	2 (BOTTOM)	7'-6" OR LESS
+55.0 -72.0	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/4"	N/A	N/A	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 (BOTTOM)	>7'-6" TO 8'-0"
+55.0 -72.0	N/A	N/A	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2"	3"	3"	3"	3"	3"	3"	3"	2 (BOTTOM)	>7'-6" TO 8'-8"

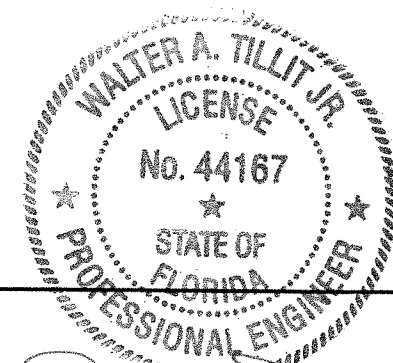
(APPLICABLE ONLY TO SECTIONS 1 & 2 INDICATED FOR LIFE SAFETY STORM PANEL SYSTEM ON SHEET 13).

MAXIMUM A.S.D. DESIGN PRESSURE RATING (p.s.f.)	Max. PANEL LENGTH "L" (ft.) (SEE SECTIONS)	MINIMUM SEPARATION TO GLASS	PANEL CONDITION
+55.0, -72.0	8'-8"	2 3/4"	UNBOLTED

SEE SHEET 15 FOR ANCHORS TYPE & SPACING FOR INSTALLATIONS INTO WOOD FRAME BUILDING. MINIMUM ANCHOR SPACINGS AND MINIMUM EDGE DISTANCE ARE INDICATED ON THIS SCHEDULE. FOR E.D. LESS THAN INDICATED ON SCHEDULE REDUCE ANCHOR SPACING BY MULTIPLYING SPACING SHOWN ON SCHEDULE BY THE FOLLOWING FACTORS. 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.

ANCHOR TYPE		1/4"	1/4"	1/4"	1/4"	HILLMAN SOLID-SET 1/4" CS	HILLMAN SOLID-SET #14 FEM. CS	HILLMAN SOLID-SET 1/4" 410 SS	HILLMAN SOLID-SET #14 MALE CS	HILLMAN SOLID-SET #14 MALE 304 SS
		TAPCON	ELCO PANELMATE FEMALE ID	ELCO PANELMATE PLUS	CALK-IN					
Min. ANCHOR SPACING (in.)		3	3	3	2 1/2	3	3	3	3	3
* EDGE DISTANCE (E.D. Min.)	Concrete (in.)	3	3	3	3	3	3	3	3	3
	Grout filled (in.)	-	-	-	-	3	3	3	3	3
	Concrete Block (in.)	3	3 1/2	3 1/2	4	3	3	3	3	3
ACTUAL E.D. (EDGE DISTANCE)		FACTOR								
1 1/2"		.35	-	-	-	-	-	-	-	-
2 1/2"		-	-	-	.50	-	-	-	-	-
3"		1.00	-	1.00	.63	-	-	-	-	-
3 1/2"		-	1.00	-	1.00	-	-	-	-	-

SEE SHEET 1A FOR MIN. EMBEDMENT OF ANCHORS.



P.E. SEAL/SIGNATURE/DATE

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20 GAGE GALVANIZED STEEL STORM PANEL

W.H.
DRAWN BY:

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4800 S.W. 51 STREET
DAVIE, FL 33314

PHONE: (954)689-7545, FAX: (954)689-8797

8/25/2023
DATE:

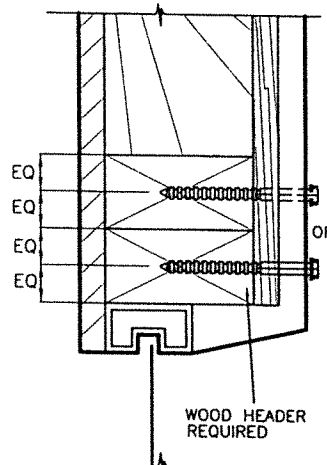
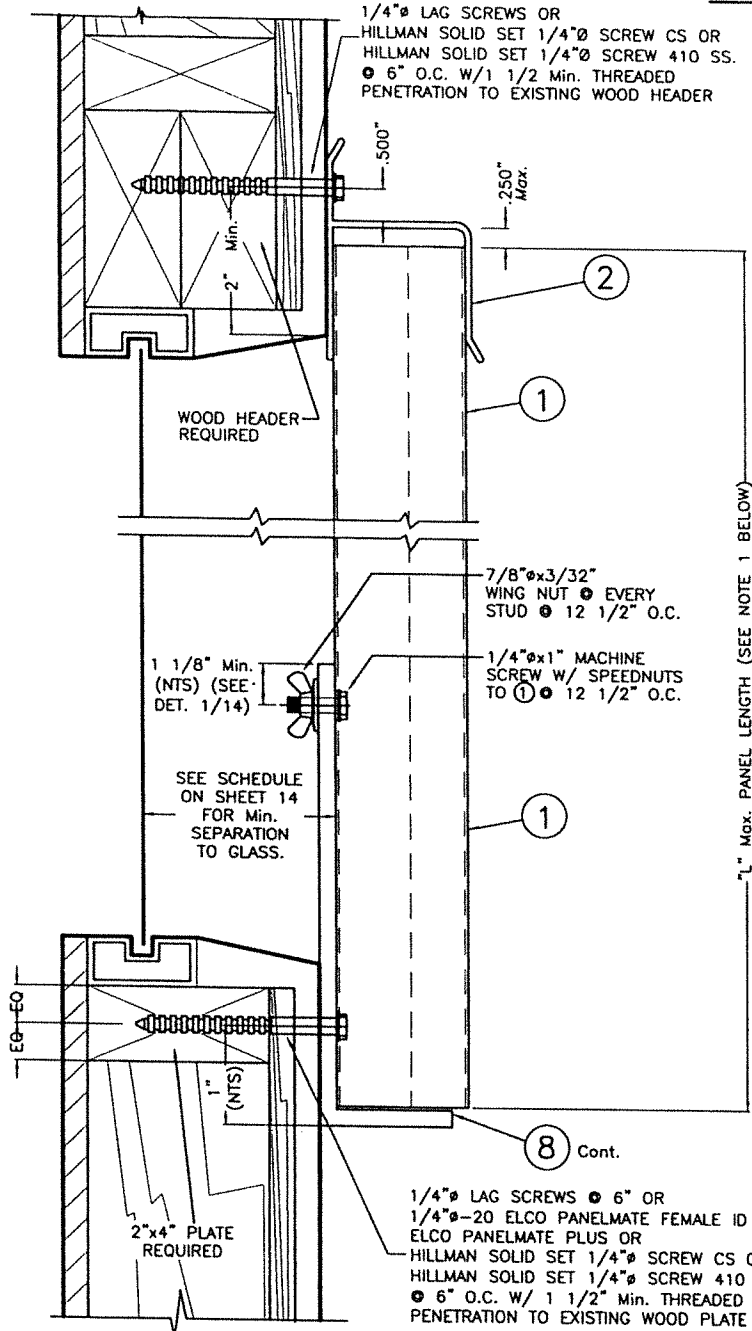
23-194

DRAWING No:

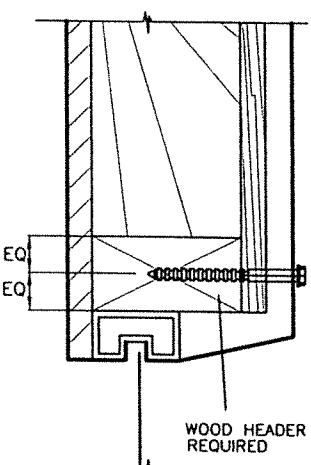
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2	NEW HILLMAN ANCHORS	11/5/23	4	-	-

SHEET 14A OF 26

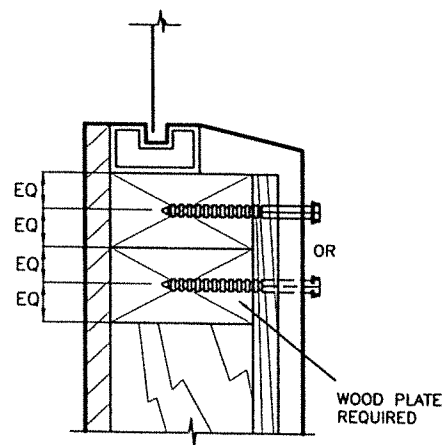
INSTALLATION DETAILS FOR OPTION # 1 FOR LIFE SAFETY STORM PANEL SYSTEM
INTO EXISTING WOOD STRUCTURES



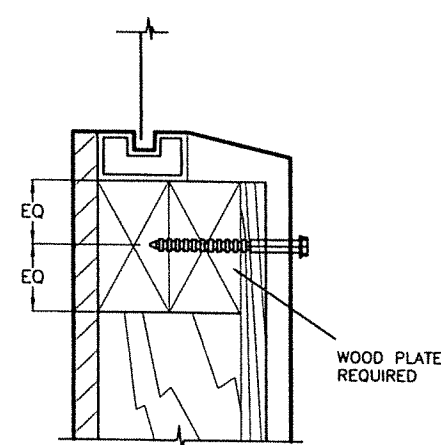
ALTERNATIVE 1



ALTERNATIVE 2



ALTERNATIVE 3



ALTERNATIVE 4

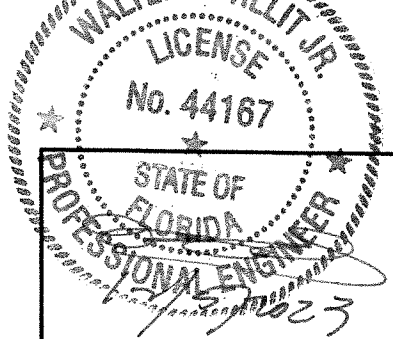
ALTERNATIVE WOOD FRAME CONDITIONS & ANCHOR LOCATIONS

WALL MOUNTING INSTALLATION
ALTERNATIVE 1W

SCALE: 3/8" = 1"

- NOTES:
- 1. INSTALLATIONS ARE ONLY VALID FOR BUILDINGS WITH A.S.D. DESIGN LOADS UP TO +55.5, -72.0 psf AND PANEL'S LENGTH UP TO 8'-8".
 - 2. FOR NEW WOOD FRAME CONSTRUCTION: WOOD MEMBERS TO BE SOUTHERN PINE No. 2, W/ SPECIFIC DENSITY OF 0.55 OR EQUAL.

SCALE: 3/8" = 1"
NOTE: SHUTTER TRACKS NOT SHOWN FOR CLARITY



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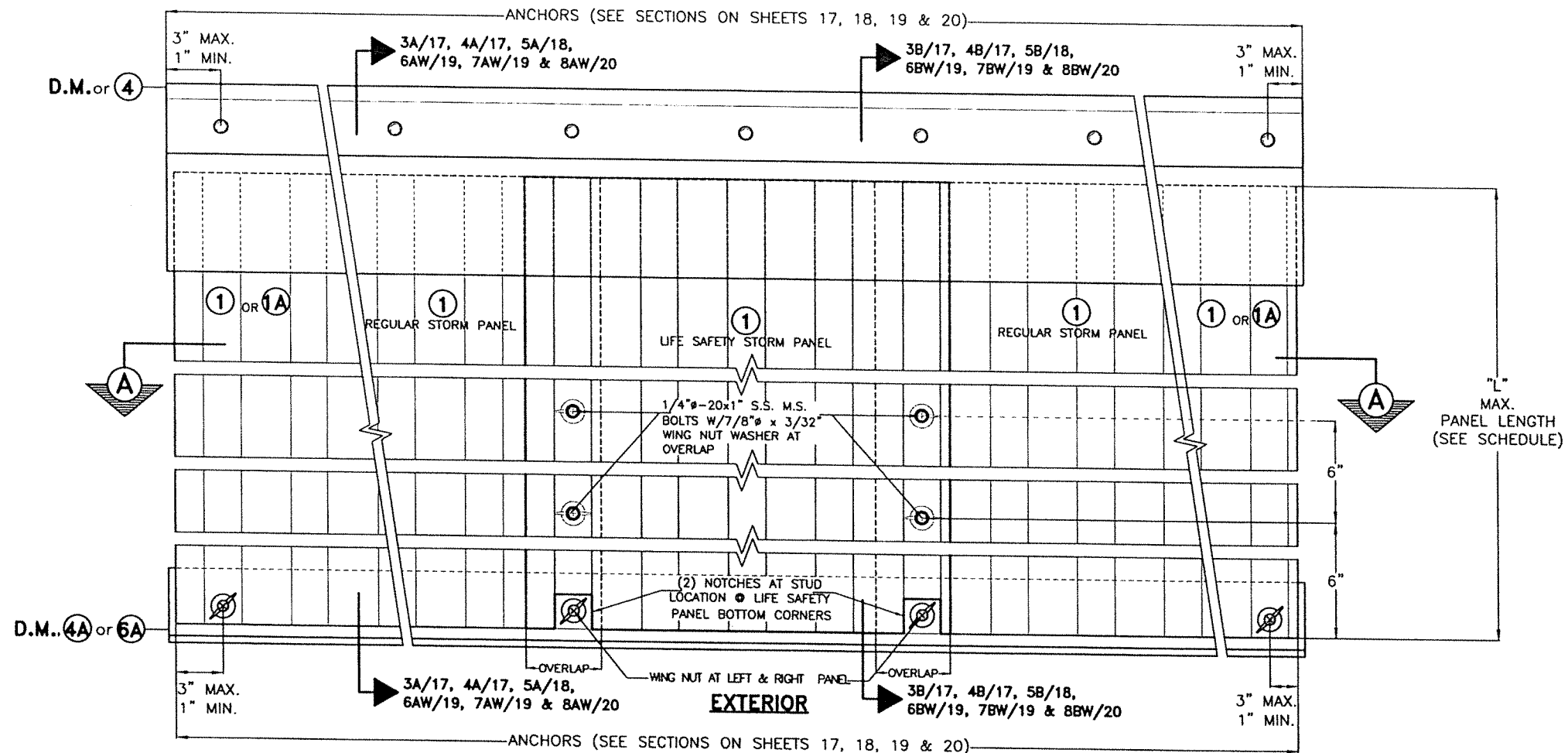
TILTECO INC.

TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305) 871-1530 . Fax : (305) 871-1531

CA-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

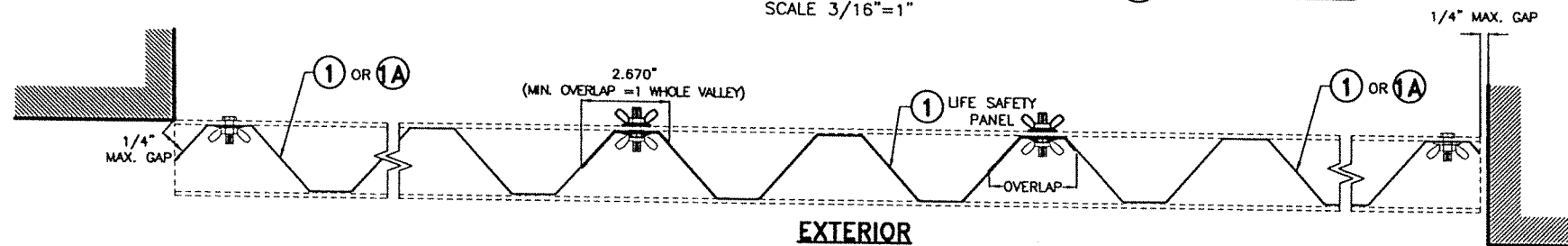
FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

20 GAGE GALVANIZED STEEL STORM PANEL			W.H. DRAWN BY:		
GLOBAL PROTECTION PRODUCTS, LLC.			8/25/2023		
4800 S.W. 51 STREET DAVIE, FL 33314 PHONE: (954)689-7545, FAX: (954)689-8797			23-194		
REV. No			DATE		
1			OLD 20-175		
2			NEW HILLMAN ANCHORS		
DESCRIPTION			DATE		
8/25/23			3		
11/6/23			4		
SHEET 15 OF 26					



OPTION #2 FOR LIFE SAFETY STORM PANEL ① ELEVATION

SCALE 3/16"=1"

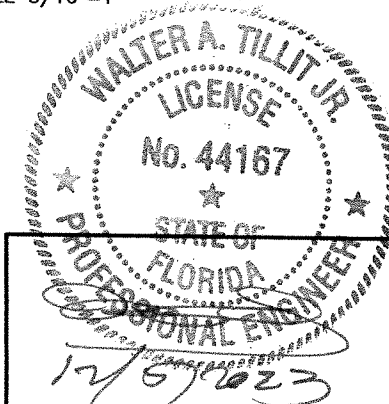


SECTION A-A

SCALE 3/16"=1"

**MAXIMUM A.S.D. DESIGN PRESSURE RATING (p.s.f.) AND
CORRESPONDING MAXIMUM PANEL LENGTH "L" SCHEDULE**

MAXIMUM A.S.D. DESIGN PRESSURE RATING (p.s.f.)	Max. PANEL LENGTH L (ft.) (SEE SECTIONS)	MINIMUM SEPARATION TO GLASS	PANEL CONDITION
+55.0, -72.0	8'-8"	2 3/4"	UNBOLTED



P.E. SEAL/SIGNATURE/DATE

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CA-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

20 GAGE GALVANIZED STEEL STORM PANEL

GLOBAL PROTECTION PRODUCTS, LLC.

4800 S.W. 51 STREET
DAVIE, FL 33314

PHONE: (954)689-7545, FAX: (954)689-8797

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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2	NEW HILLMAN ANCHORS	11/6/23	4	-	-

W.H.
DRAWN BY:

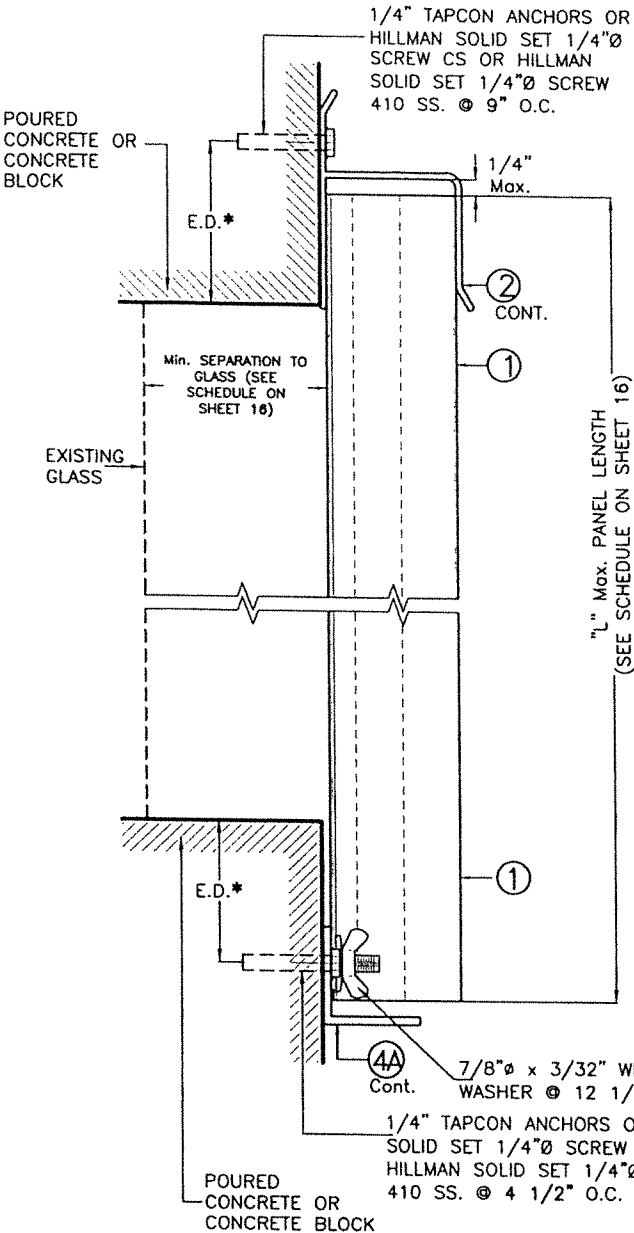
8/25/2023
DATE:

23-194

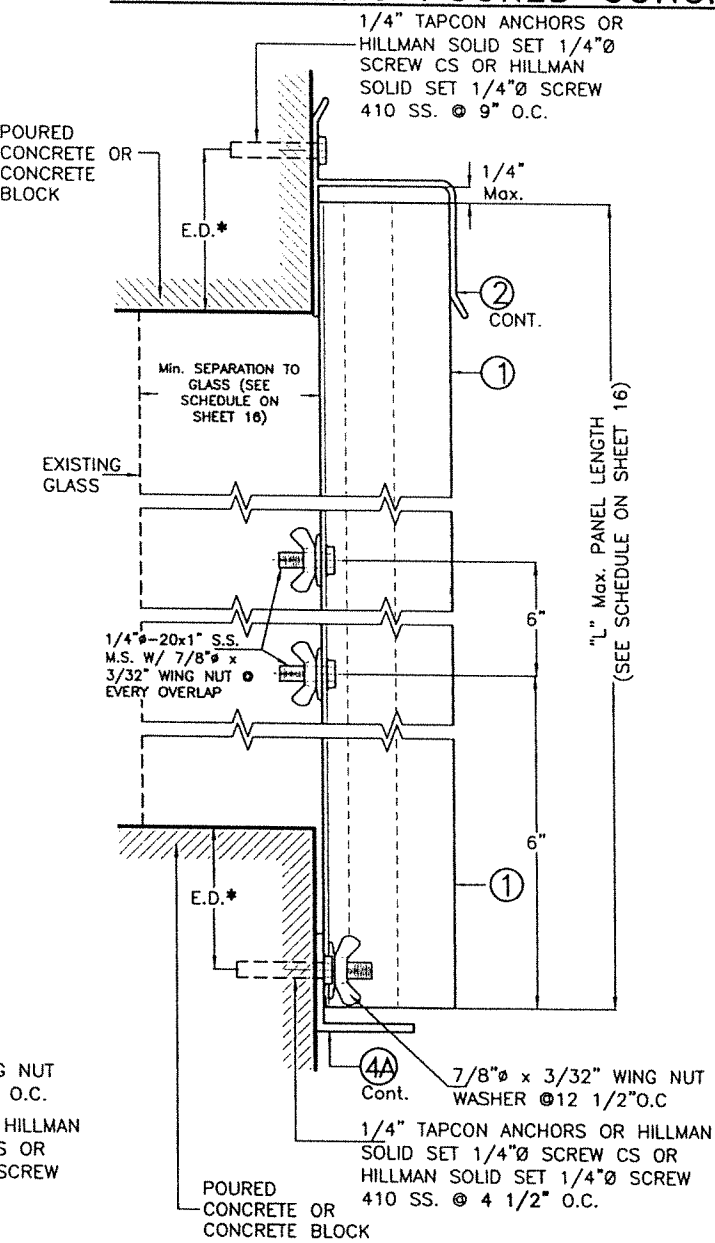
DRAWING No:

SHEET 16 OF 26

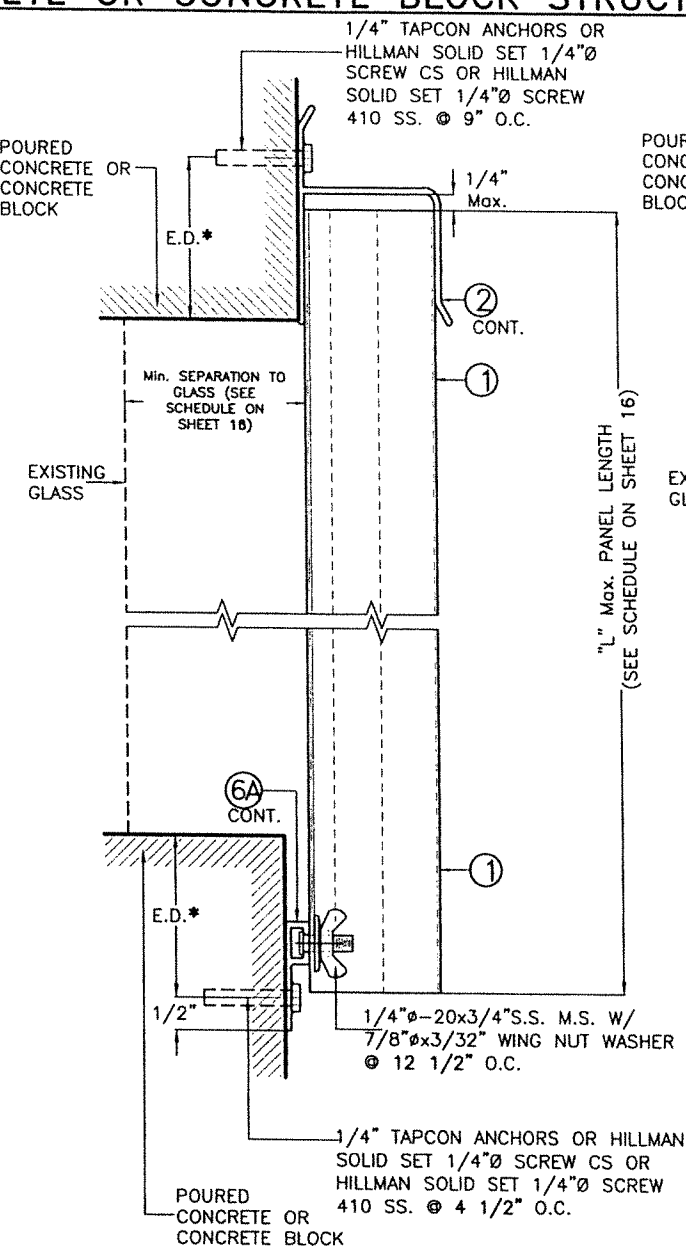
INSTALLATION DETAILS FOR OPTION #2 FOR LIFE SAFETY STORM PANEL SYSTEM
INTO EXISTING POURED CONCRETE OR CONCRETE BLOCK STRUCTURES



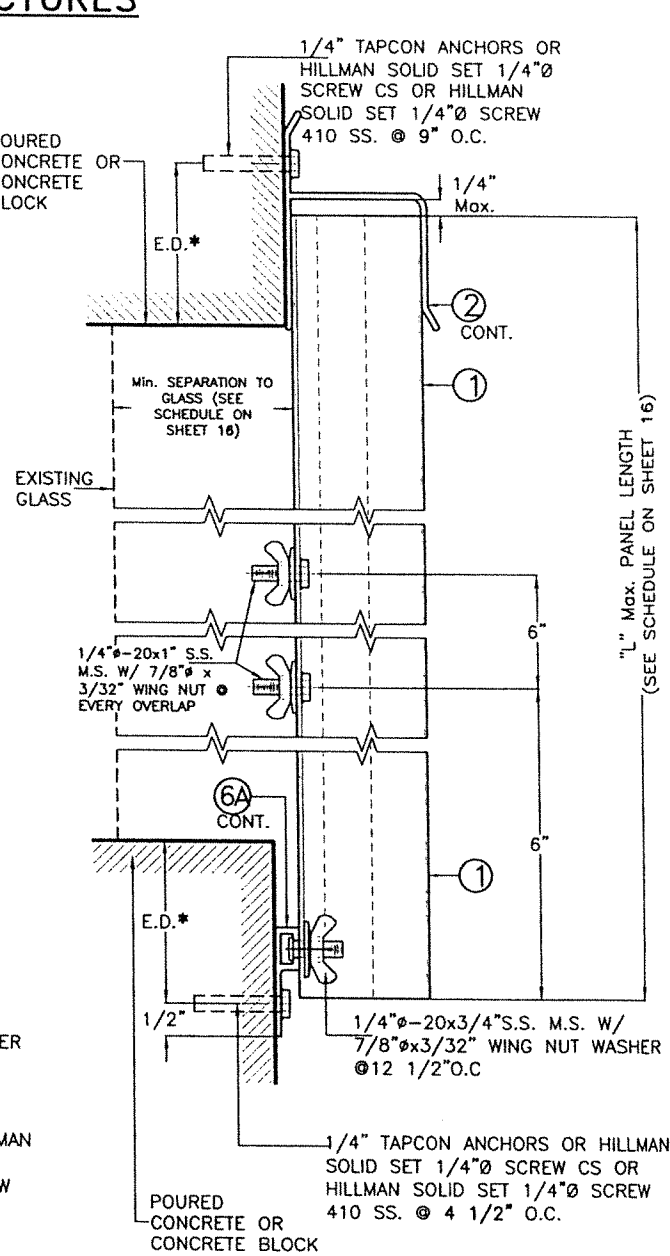
WALL MOUNTING INSTALLATION
SECTION 3A
REGULAR PANEL
SCALE 3/8"=1"



WALL MOUNTING INSTALLATION
SECTION 3B
LIFE SAFETY PANEL
SCALE 3/8"=1"



WALL MOUNTING INSTALLATION
SECTION 4A
REGULAR PANEL
SCALE 3/8"=1"



WALL MOUNTING INSTALLATION
SECTION 4B
LIFE SAFETY PANEL
SCALE 3/8"=1"

SEE SHEET 19 & 20 FOR ANCHORS TYPE & SPACING FOR INSTALLATIONS INTO WOOD FRAME BUILDING. MINIMUM ANCHOR SPACINGS AND MINIMUM EDGE DISTANCE ARE INDICATED ON THIS SCHEDULE FOR E.D. LESS THAN INDICATED ON SCHEDULE REDUCE ANCHOR SPACING BY MULTIPLYING SPACING SHOWN ON SCHEDULE BY THE FOLLOWING FACTORS. FOR THIS OPERATION TO BE POSSIBLE, REDUCED SPACING OBTAINED USING FACTOR SHALL NOT BE LESS THAN MINIMUM SPACING INDICATED FOR EACH ANCHOR TYPE ON THIS SCHEDULE

ANCHOR TYPE		1/4"	HILLMAN SOLID-SET 1/4" CS	HILLMAN SOLID-SET 1/4" 410 SS
		TAPCON		
Min. ANCHOR SPACING (in.)		3	3	3
* EDGE DISTANCE (E.D. Min.)	Concrete (in.)	3	3	3
	Concrete Block (in.)	3	3	3
ACTUAL E.D. (EDGE DISTANCE)		FACTOR		
1 1/2"		.35	-	-
2 1/2"		-	-	-
3"		1.00	-	-
3 1/2"		-	-	-

SEE SHEET 1A FOR MIN. EMBEDMENT OF ANCHORS.



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WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

20 GAGE GALVANIZED STEEL STORM PANEL

GLOBAL PROTECTION PRODUCTS, LLC.

4800 S.W. 51 STREET
DAVIE, FL 33314
PHONE: (954)689-7545, FAX: (954)689-8797

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-176	8/25/23	3	-	-
2	NEW HILLMAN ANCHORS	11/6/23	4	-	-

W.H.
DRAWN BY:

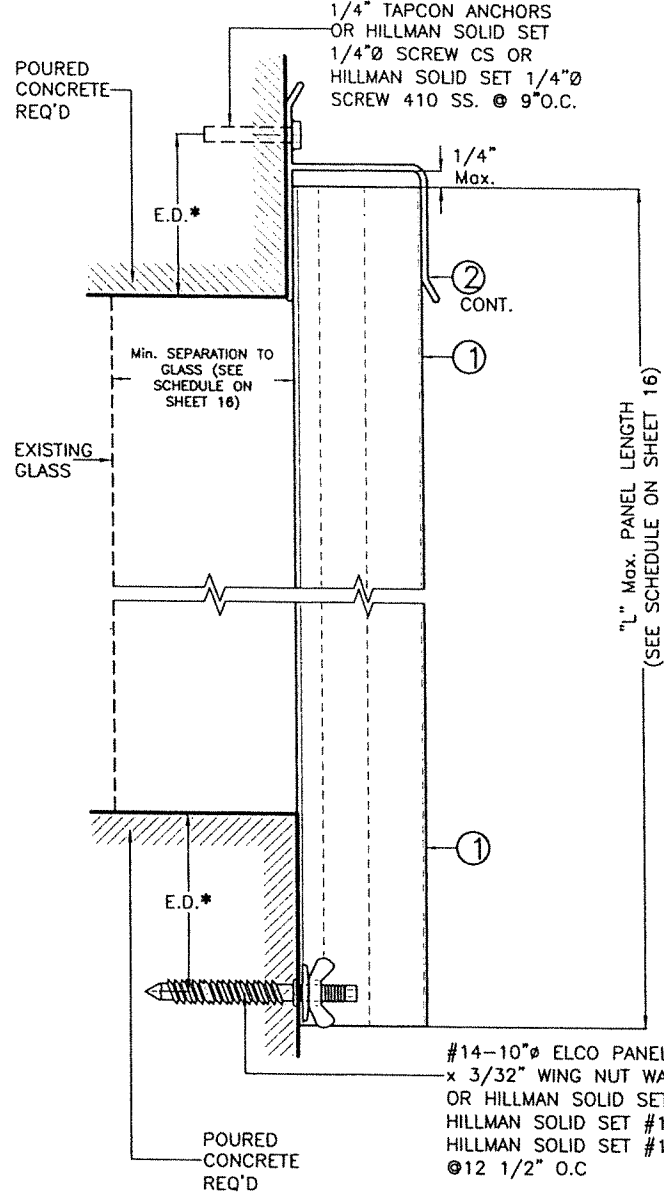
8/25/2023
DATE:

23-194

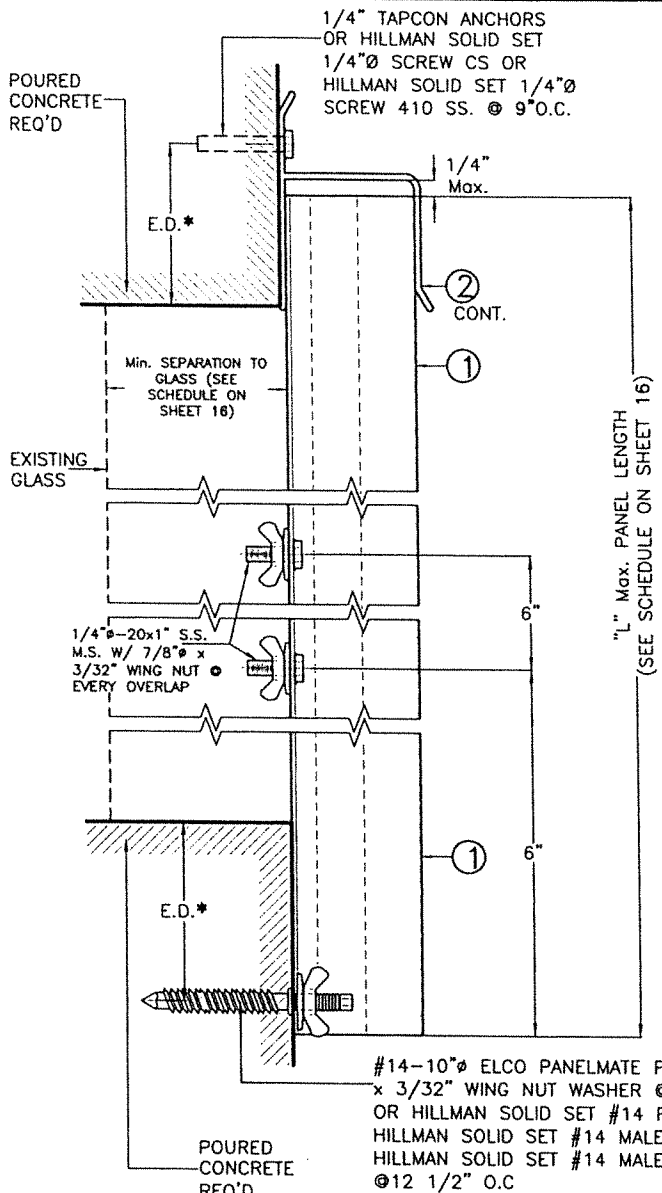
DRAWING No:

SHEET 17 OF 26

INSTALLATION DETAILS FOR OPTION #2 FOR LIFE SAFETY STORM PANEL SYSTEM
INTO EXISTING POURED CONCRETE OR CONCRETE BLOCK STRUCTURES



WALL MOUNTING INSTALLATION
SECTION 5A
● REGULAR PANEL
SCALE 3/8"=1"



WALL MOUNTING INSTALLATION
SECTION 5B
● LIFE SAFETY PANEL
SCALE 3/8"=1"

SEE SHEET 19 & 20 FOR ANCHORS TYPE & SPACING FOR INSTALLATIONS INTO WOOD FRAME BUILDING. MINIMUM ANCHOR SPACINGS AND MINIMUM EDGE DISTANCE ARE INDICATED ON THIS SCHEDULE FOR E.D. LESS THAN INDICATED ON SCHEDULE REDUCE ANCHOR SPACING BY MULTIPLYING SPACING SHOWN ON SCHEDULE BY THE FOLLOWING FACTORS. FOR THIS OPERATION TO BE POSSIBLE, REDUCED SPACING OBTAINED USING FACTOR SHALL NOT BE LESS THAN MINIMUM SPACING INDICATED FOR EACH ANCHOR TYPE ON THIS SCHEDULE

ANCHOR TYPE		1/4" TAPCON	1/4" PANELMATE PLUS	HILLMAN SOLID-SET 1/4" CS	HILLMAN SOLID-SET #14 FEM. CS	HILLMAN SOLID-SET 1/4" 410 SS	HILLMAN SOLID-SET #14 MALE CS	HILLMAN SOLID-SET #14 MALE 304 SS
Min. ANCHOR SPACING (in.)		3	3	3	3	3	3	3
*EDGE DISTANCE (E.D. Min.)	Concrete (in.)	3	3	3	3	3	3	3
	Concrete Block (in.)	3	3 1/2	3	3	3	3	3
ACTUAL E.D. (EDGE DISTANCE)		FACTOR						
1 1/2"		.35	-	-	-	-	-	-
2 1/2"		-	-	-	-	-	-	-
3"		1.00	1.00	-	-	-	-	-
3 1/2"		-	-	-	-	-	-	-

SEE SHEET 1A FOR MIN. EMBEDMENT OF ANCHORS.

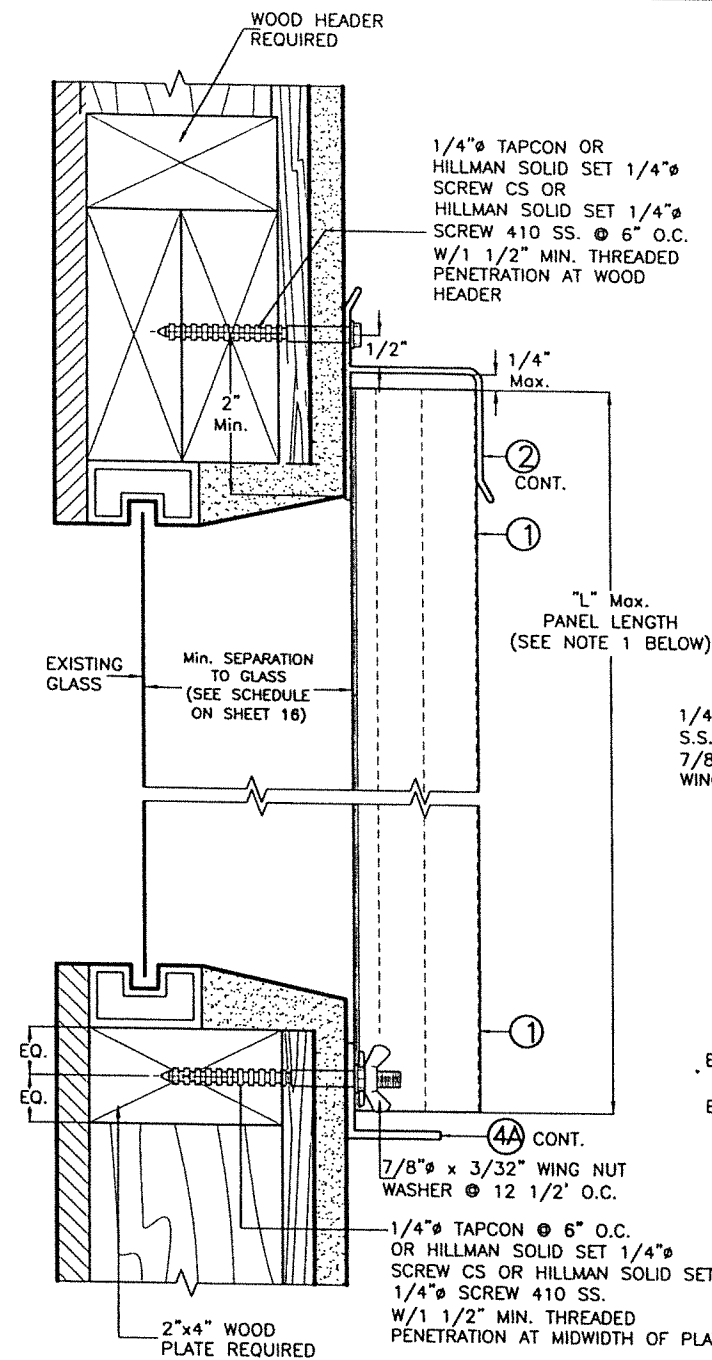
WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12/5/2023
P.E. SEAL/SIGNATURE/DATE

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TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305) 871-1530 ; Fax : (305) 871-1531
CA-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

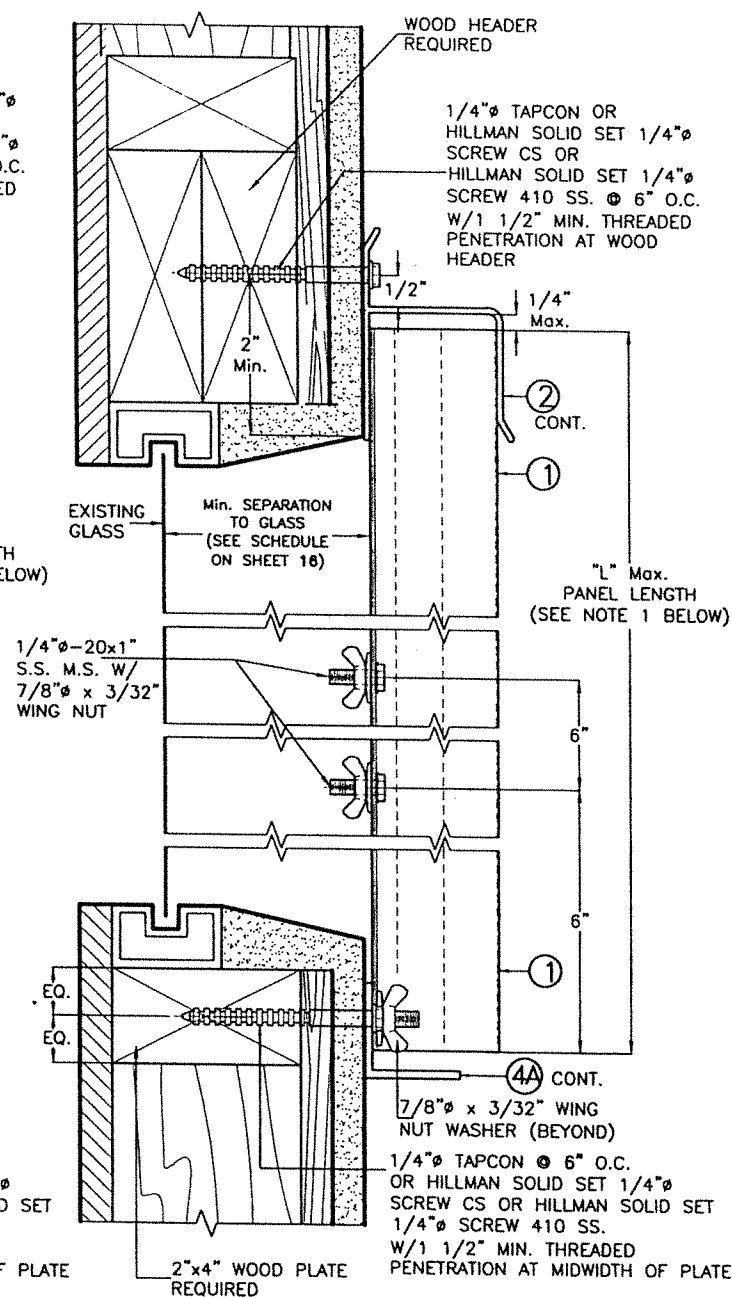
FLORIDA BUILDING CODE (High Velocity Hurricane Zone)
20 GAGE GALVANIZED STEEL STORM PANEL
GLOBAL PROTECTION PRODUCTS, LLC.
4800 S.W. 51 STREET
DAVIE, FL 33314
PHONE: (954)689-7545, FAX: (954)689-8797
W.H. DRAWN BY:
8/25/2023
DATE:
23-194
DRAWING No:
SHEET 18 OF 26

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-176	8/25/23	3	-	-
2	NEW HILLMAN ANCHORS	11/6/23	4	-	-

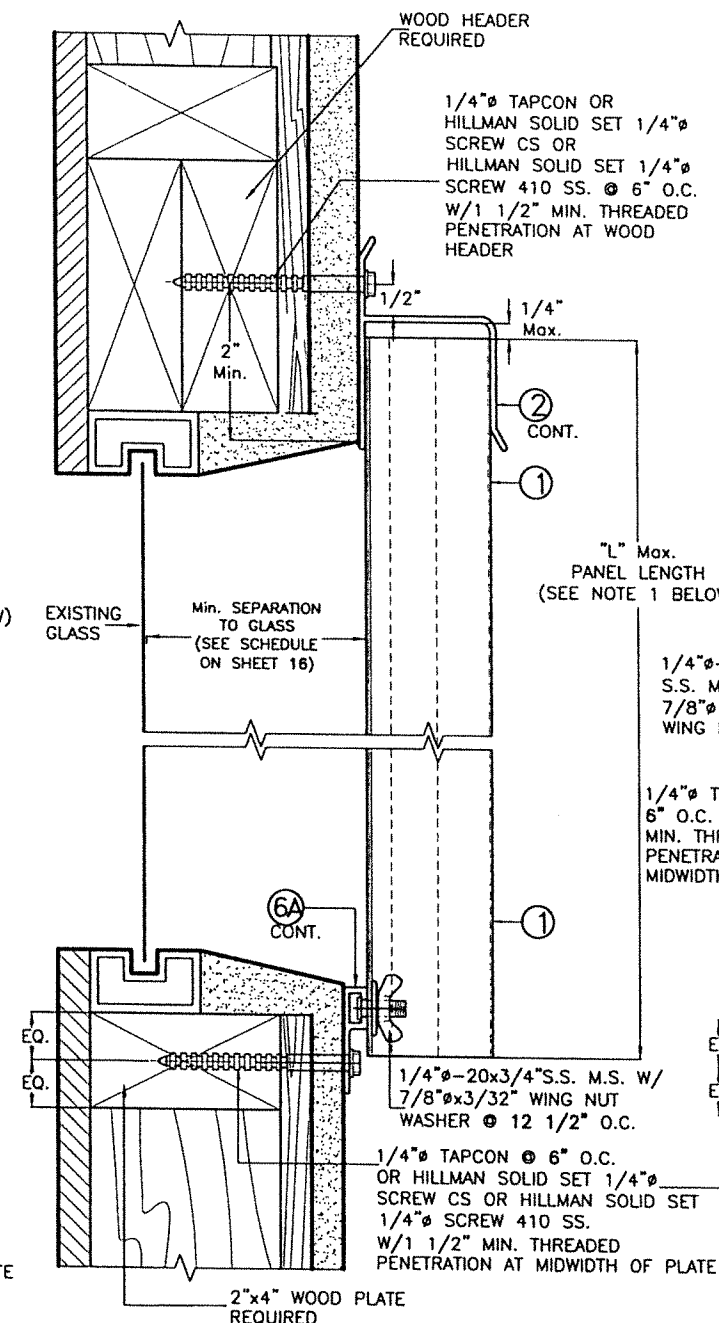
INSTALLATION DETAILS FOR OPTION #2 FOR LIFE SAFETY STORM PANEL SYSTEM INTO EXISTING WOOD STRUCTURES



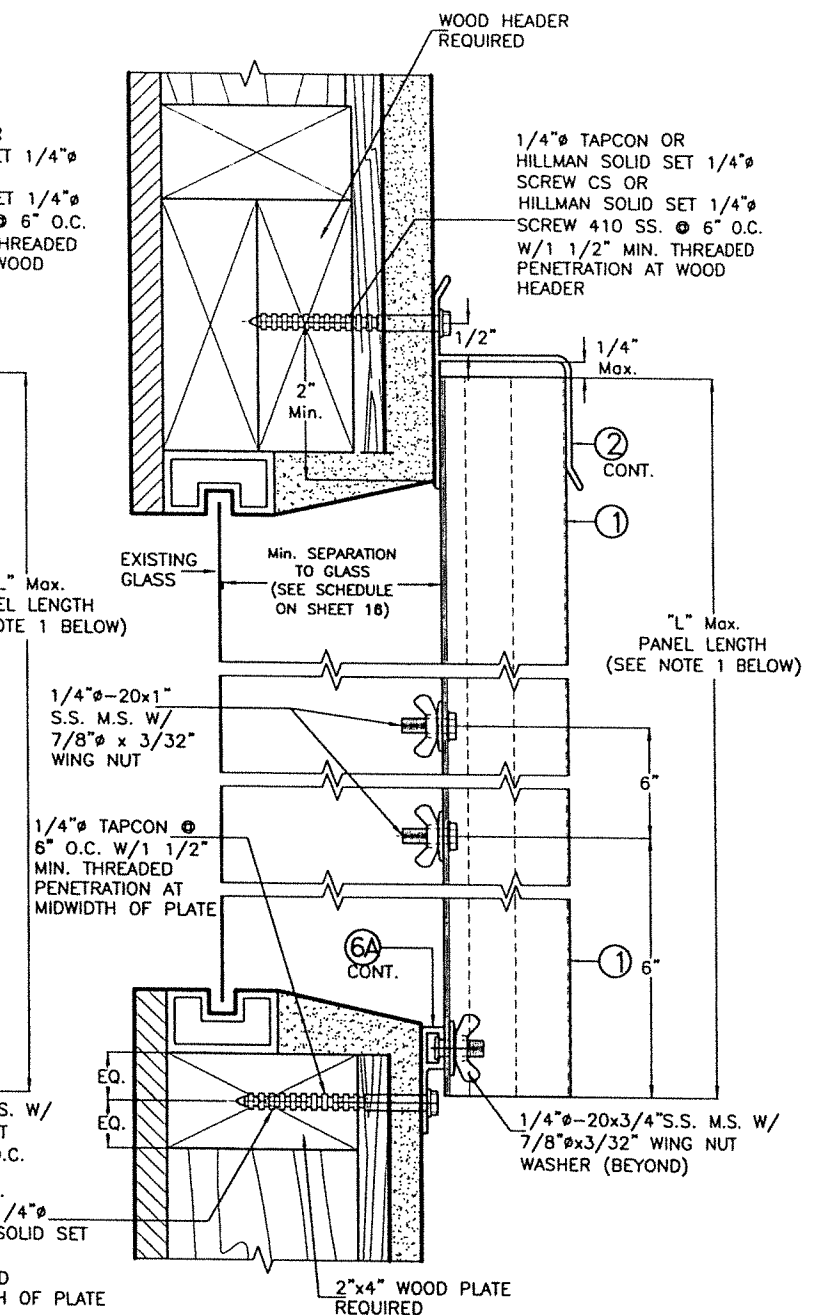
WALL MOUNTING INSTALLATION
ALTERNATIVE 6AW
● REGULAR PANEL
SCALE 3/8"=1"



WALL MOUNTING INSTALLATION
ALTERNATIVE 6BW
● LIFE SAFETY PANEL
SCALE 3/8"=1"



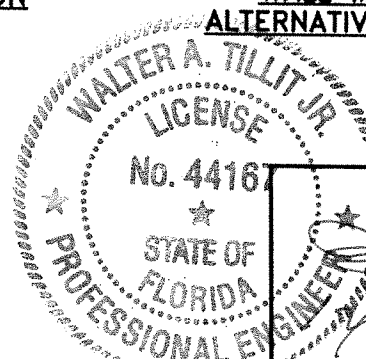
WALL MOUNTING INSTALLATION
ALTERNATIVE 7AW • REGULAR PANEL
SCALE 3/8"=1"



WALL MOUNTING INSTALLATION
ALTERNATIVE 7BW
9 LIFE SAFETY PANEL
SCALE 3/8"=1"

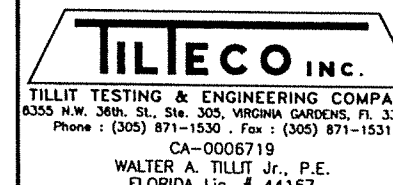
NOTES:

1. INSTALLATIONS ARE ONLY VALID FOR BUILDINGS WITH A.S.D. DESIGN LOADS UP TO +55.5, -72.0 PSF AND PANEL'S LENGTH UP TO 8'-8".
2. FOR NEW WOOD FRAME CONSTRUCTION: WOOD MEMBERS TO BE SOUTHERN PINE NO. 2, W/ SPECIFIC DENSITY OF 0.55 OR EQUAL.



P.E. SEAL/SIGNATURE/DATE

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FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

20 GAGE GALVANIZED STEEL STORM PANEL

GLOBAL PROTECTION PRODUCTS, LLC.

4800 S.W. 51 STREET

PHONE: (954)689-7545, FAX: (954)689-8797

W.H.
DRAWN BY:

DATE: 1/25/2023

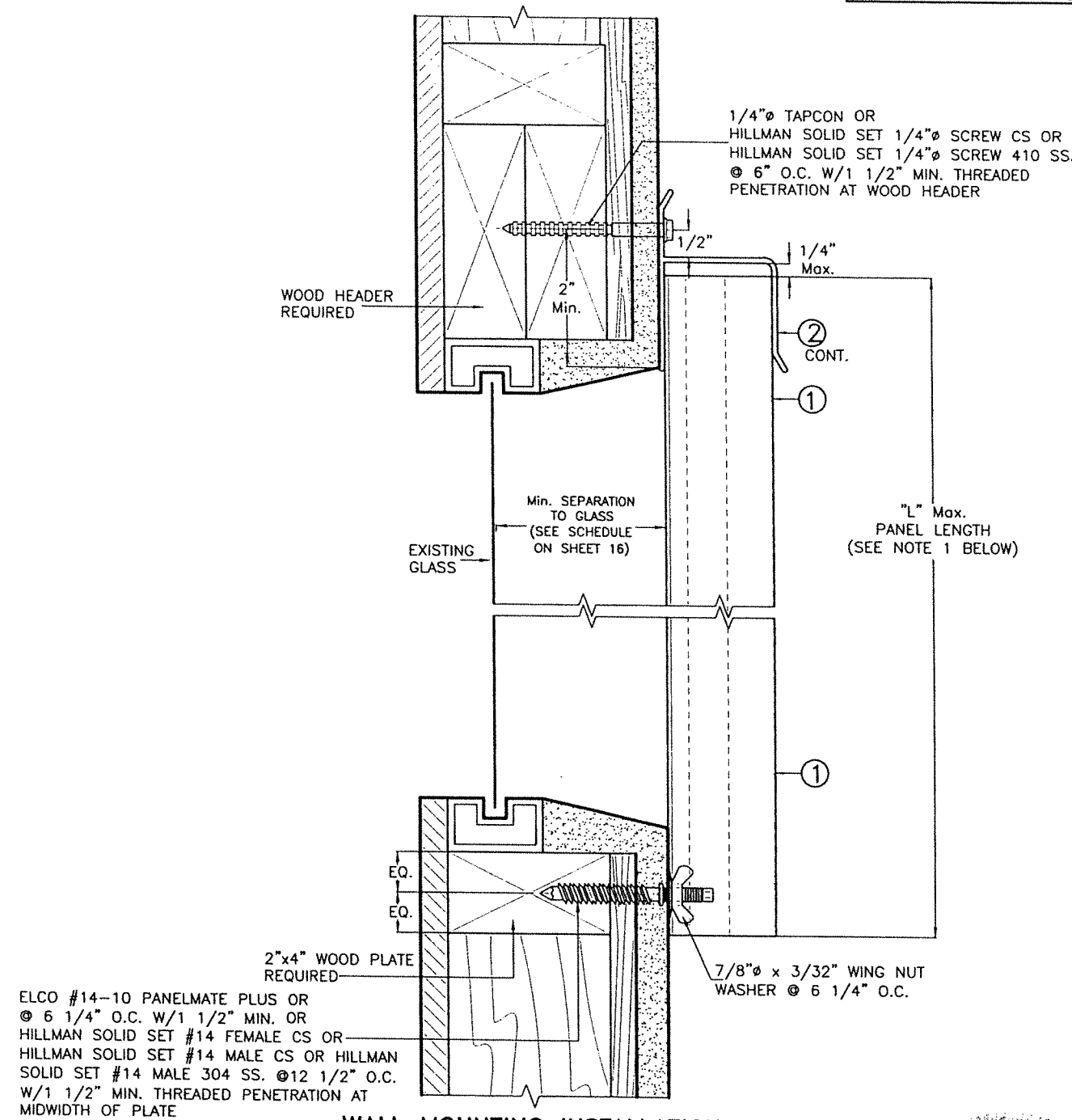
3-194

DRAWING No:

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2	NEW HILLMAN ANCHORS	11/6/23	4	-	-

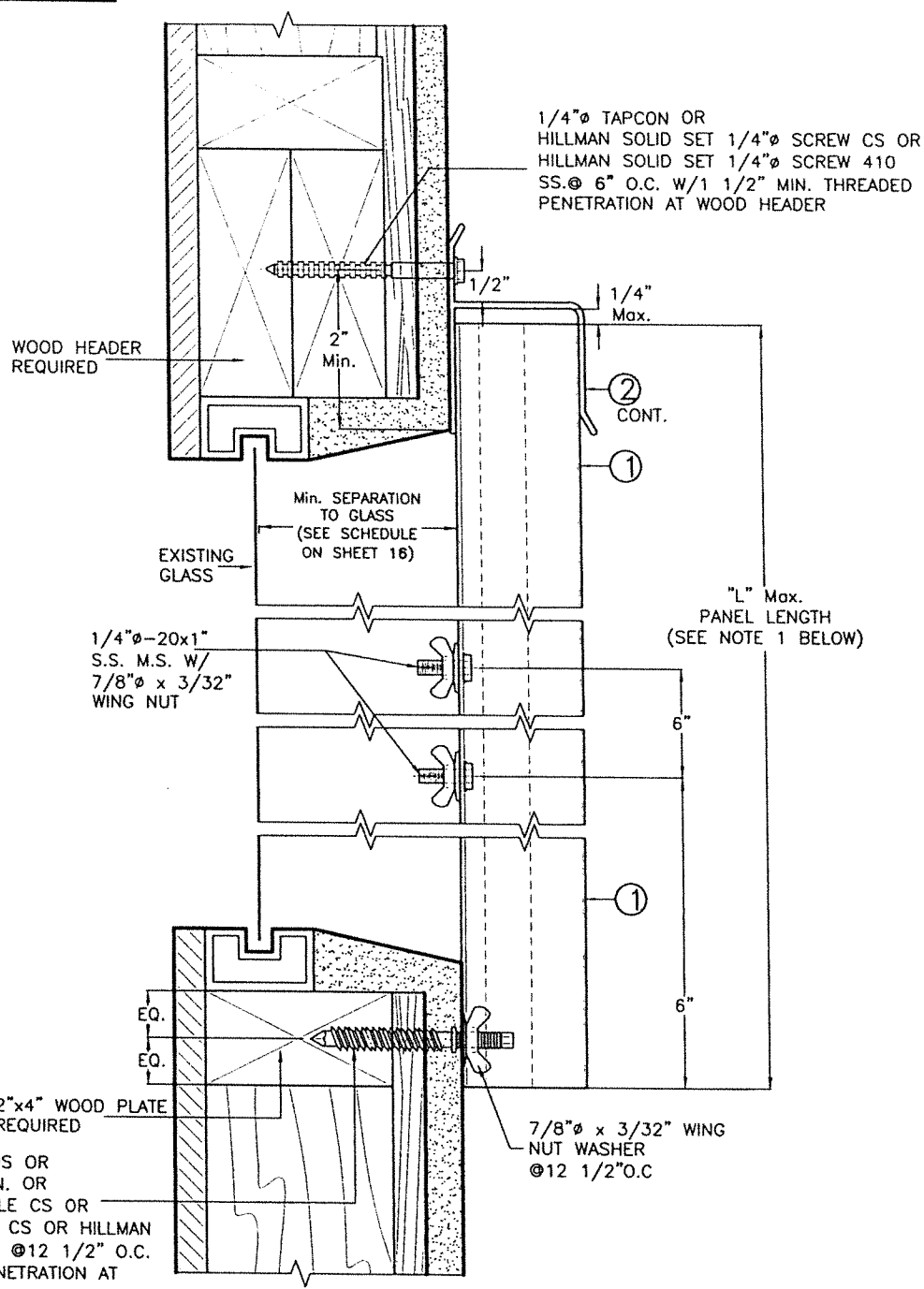
DRAWING No: SHEET 19 OF 26

INSTALLATION DETAILS FOR OPTION #2 FOR LIFE SAFETY STORM PANEL SYSTEM
INTO EXISTING WOOD STRUCTURES



WALL MOUNTING INSTALLATION
ALTERNATIVE 8AW
@ REGULAR PANEL

SCALE 3/8"=1"

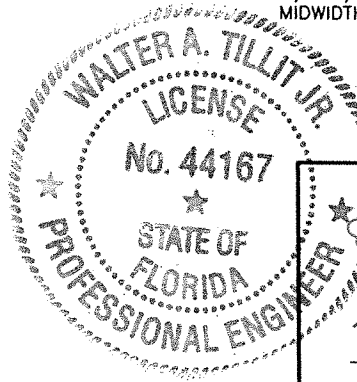


WALL MOUNTING INSTALLATION
ALTERNATIVE 8BW
@ LIFE SAFETY PANEL

SCALE 3/8"=1"

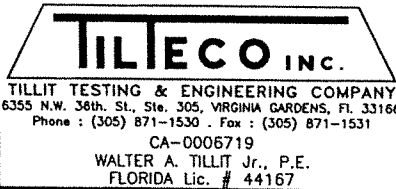
NOTES:

1. INSTALLATIONS ARE ONLY VALID FOR BUILDINGS WITH A.S.D. DESIGN LOADS UP TO +55.5, -72.0 PSF AND PANEL'S LENGTH UP TO 8'-8".
2. FOR NEW WOOD FRAME CONSTRUCTION: WOOD MEMBERS TO BE SOUTHERN PINE NO. 2, W/ SPECIFIC DENSITY OF 0.55 OR EQUAL.



P.E. SEAL/SIGNATURE/DATE

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DAVIE, FL 33314
PHONE: (954)689-7545, FAX: (954)689-8797

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-178	8/25/23	3	-	-
2	NEW HILLMAN ANCHORS	11/8/23	4	-	-

W.H.
DRAWN BY:

8/25/2023
DATE:

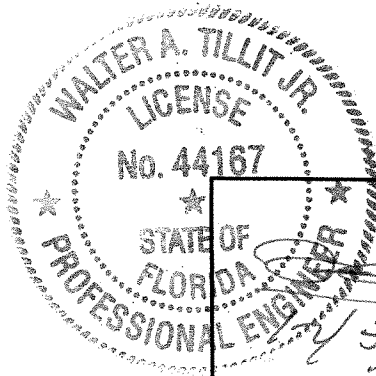
23-194

DRAWING No:

SHEET 20 OF 26

GENERAL NOTES: VALID E-Z HANG STORM PANEL SYSTEM

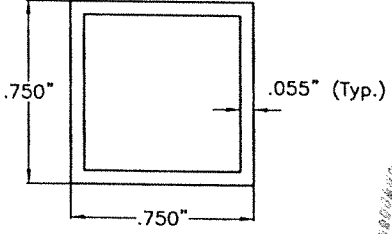
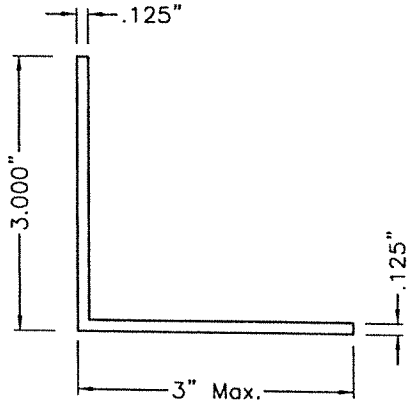
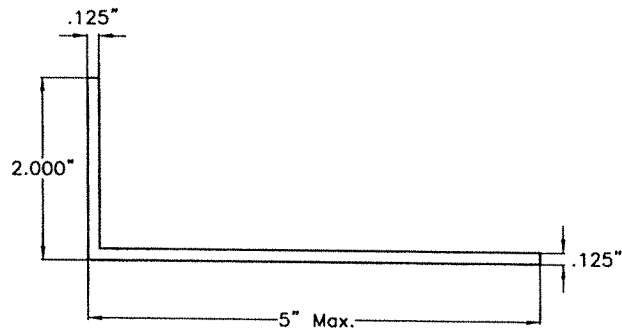
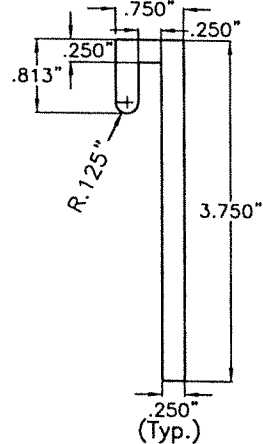
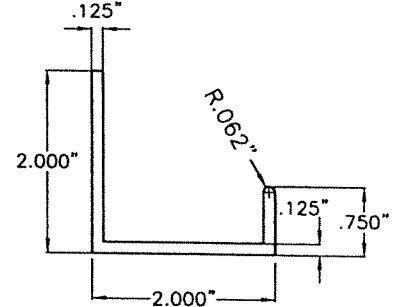
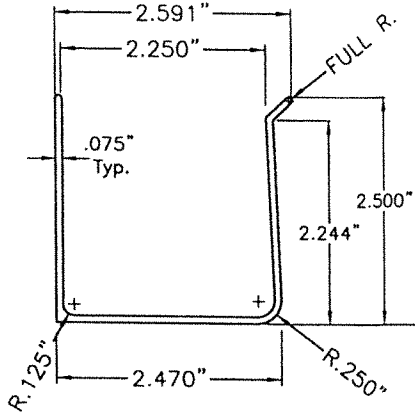
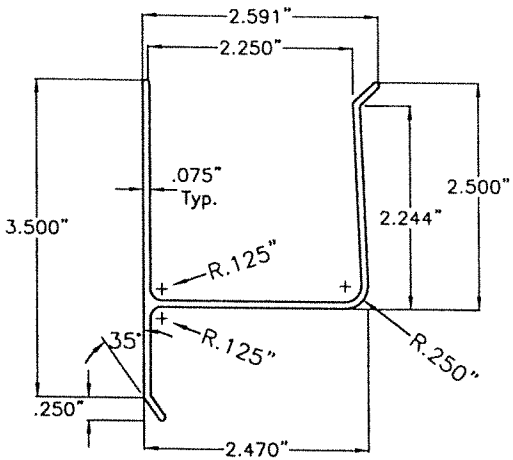
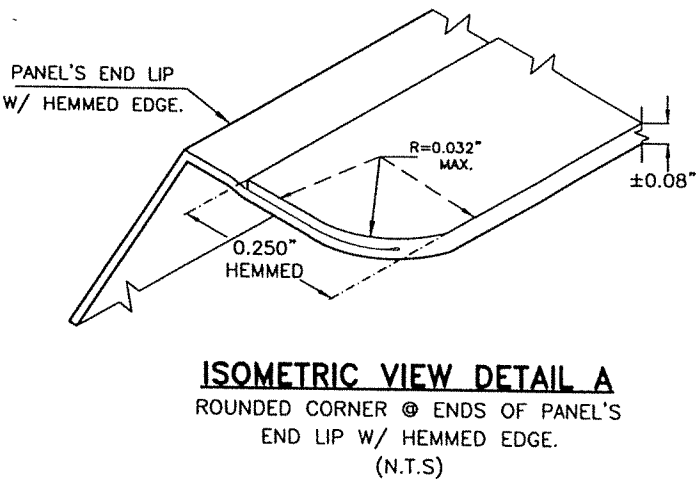
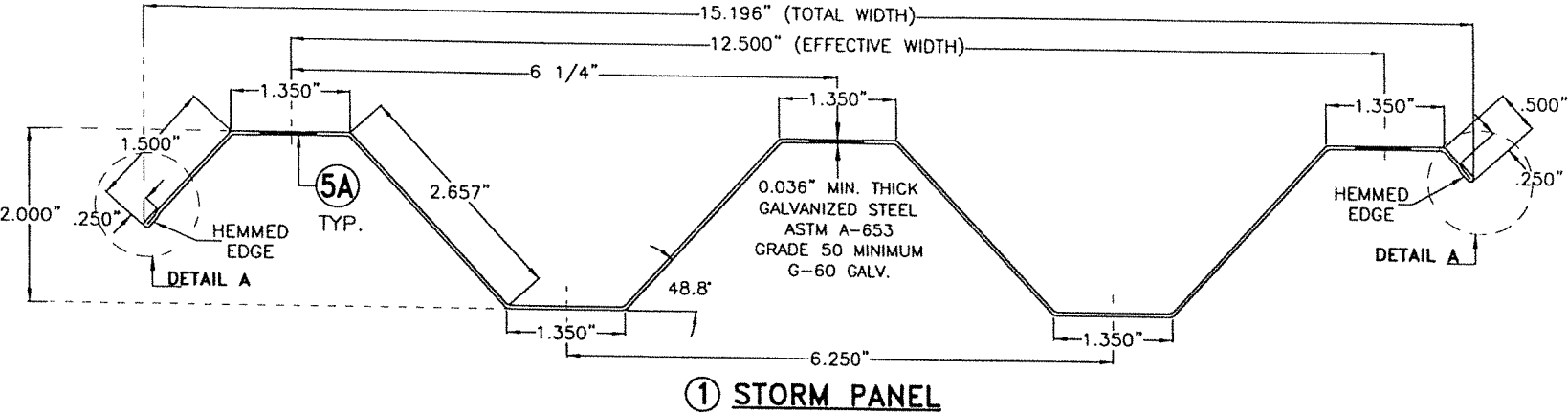
1. E-Z HANG STORM PANEL SHOWN ON THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2023 (8th EDITION) OF THE FLORIDA BUILDING CODE.
- DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE, FOR A WIND SPEED AS REQUIRED BY THE JURISDICTION WHERE THESE SHUTTERS WILL BE INSTALLED AND FOR A DIRECTIONALITY FACTOR $K_d=0.85$, USING ASCE 7-22 AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON SHEETS 25 & 26.
- IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-22 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO TO COMPARE THESE W/ MAX. (A.S.D) DESIGN PRESSURE RATINGS INDICATED ON SHEETS 25 & 26.
- IN ORDER TO VERIFY THAT COMPONENTS AND ANCHORS ON THIS P.E.D. AS TESTED WERE NOT OVER STRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THEIR ANALYSIS. FASTENERS SPACING TO WOOD HAS BEEN DETERMINED IN ACCORDANCE WITH N.D.S. 2018.
- STORM PANEL'S ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1626 OF THE ABOVE MENTIONED CODE AS PER FENESTRATION TESTING LABORATORY, INC. REPORT # 2032, AS PROTOCOLS TAS-201, TAS-202 AND TAS-203.
2. THIS SYSTEM HAS BEEN DESIGNED TO BE INSTALLED ON THE OUTSIDE OF THE OPENING ACCESSING THE OPENING FROM THE INSIDE W/O THE USE OF A LADDER OR LIFT. THIS APPLICATION IS VALID WHEN INSTALLATION IS INTENDED TO BE PERFORMED FROM THE INSIDE OF STRUCTURE.
3. SERIES 1000 INSTALLATION IS APPLICABLE TO SINGLE AND DOUBLE HUNG STYLE WINDOWS WHEN INSTALLATION IS REQUIRED TO BE PERFORMED FROM THE INSIDE OF STRUCTURE.
4. SERIES 2000 INSTALLATION IS APPLICABLE TO SINGLE AND DOUBLE HUNG AND HORIZONTAL SLIDERS STYLE WINDOWS WHEN INSTALLATION IS REQUIRED TO BE PERFORMED FROM THE INSIDE OF STRUCTURE.
5. ALL ALUMINUM EXTRUSIONS TO BE 6063-T6 ALLOY AND TEMPER. (UNLESS OTHERWISE NOTED), ALL ALUMINUM EXTRUSIONS IN CONTACT WITH DISSIMILAR MATERIAL SHALL COMPLY WITH SECTION III-6 OF THE 2020 ALUMINUM DESING MANUAL.
6. ALL ALUMINUM SHEET METAL USED AT CLOSURES SHALL HAVE 3105-H14 ALLOY.
7. ALL STEEL SHEET METAL PANELS SHALL HAVE STRUCTURAL QUALITY STEEL, ASTM A-653 GRADE 50 Min., GALVANIZED STEEL DESIGNATION W/Fy= 58.5 ksi (AFTER ROLLED).
8. ALL SCREWS TO BE STAINLESS STEEL 304 OR 316 AISI SERIES OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018 W/ 50 ksi YIELD STRENGTH AND 90 ksi TENSILE STRENGTH & SHALL COMPLY W/ FLORIDA BUILDING CODE SECTION 2411.3.3.4.
9. BOLTS TO BE ASTM A-307 GALVANIZED STEEL, OR AISI 304 SERIES STAINLESS STEEL, WITH 36 ksi MINIMUM YIELD STRENGTH.
10. ANCHORS SHALL BE AS FOLLOWS, AS PER SPECIFICATIONS OF SHEET 21A
11. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE SHUTTER IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE. THIS SHUTTER SHALL ONLY BE ATTACHED TO CONCRETE, BLOCK OR WOOD FRAME BUILDINGS.
12. THE INSTALLATION CONTRACTOR IS TO SEAL/CAULK ALL SHUTTER COMPONENT EDGES WHICH REMAIN IN CONTINUOUS CONTACT WITH THE BUILDING TO PREVENT WIND/RAIN INTRUSION. CAULK AND SEAL SHUTTER TRACKS ALL AROUND FULL LENGTH.
13. STORM PANEL INSTALLATION SHALL COMPLY WITH SPECS INDICATED IN THIS DRAWING PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE JURISDICTION WHERE PERMIT IS APPLIED TO.
14. ATRIUM WINDOWS AND DOORS, INC. E - Z HANG STORM PANEL SYSTEM™ IS **PATENT PENDING**.
15. (a) THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.
- (b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT BASED ON THIS P.E.D. PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.
- (c) THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF MODIFIED.
- (d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- (e) THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.
16. STORM PANEL MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION AT STORM PANEL IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. ONE LABEL SHALL BE PLACED FOR EVERY OPENING. LABELING TO COMPLY WITH SECTION 1709.9.2 OF THE FLORIDA BUILDING CODE.



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 TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305) 871-1530 Fax : (305) 871-1531 CA-0006719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. # 44167		20 GAGE GALVANIZED STEEL STORM PANEL			
P.E. SEAL/SIGNATURE/DATE		GLOBAL PROTECTION PRODUCTS, LLC. 4800 S.W. 51 STREET DAVIE, FL 33314 PHONE: (954)689-7545, FAX: (954)689-8797			
		W.H. DRAWN BY: 8/25/2023 DATE: 23-194 DRAWING No:			
		SHEET 21 OF 26			
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-176	8/25/23	3	-	-
2	NEW HILLMAN ANCHORS	11/6/23	4	-	-

COMPONENTS FOR SERIES 2000 & 1000 E-Z HANG STORM PANELS

(SCALE 1/2"=1")

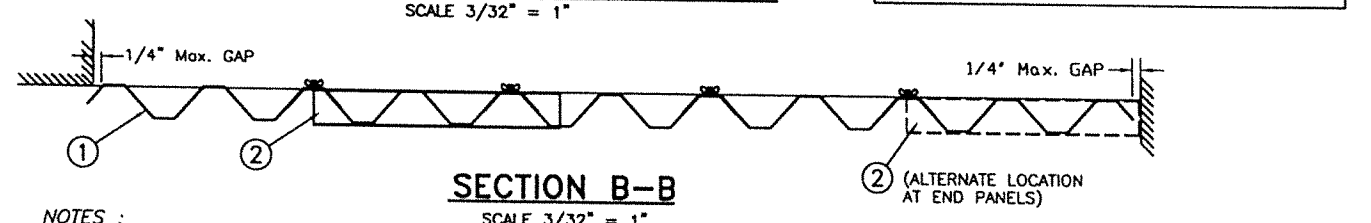
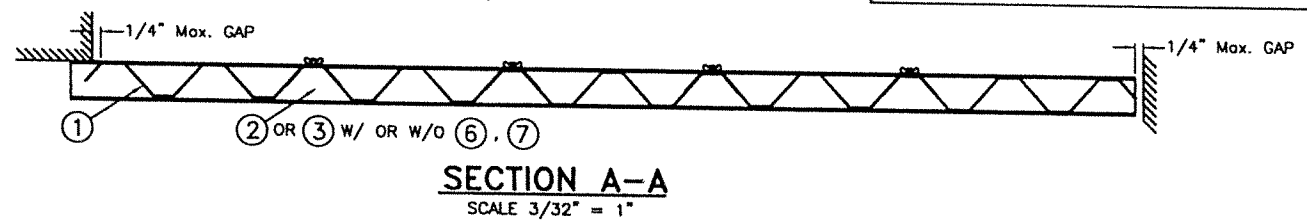
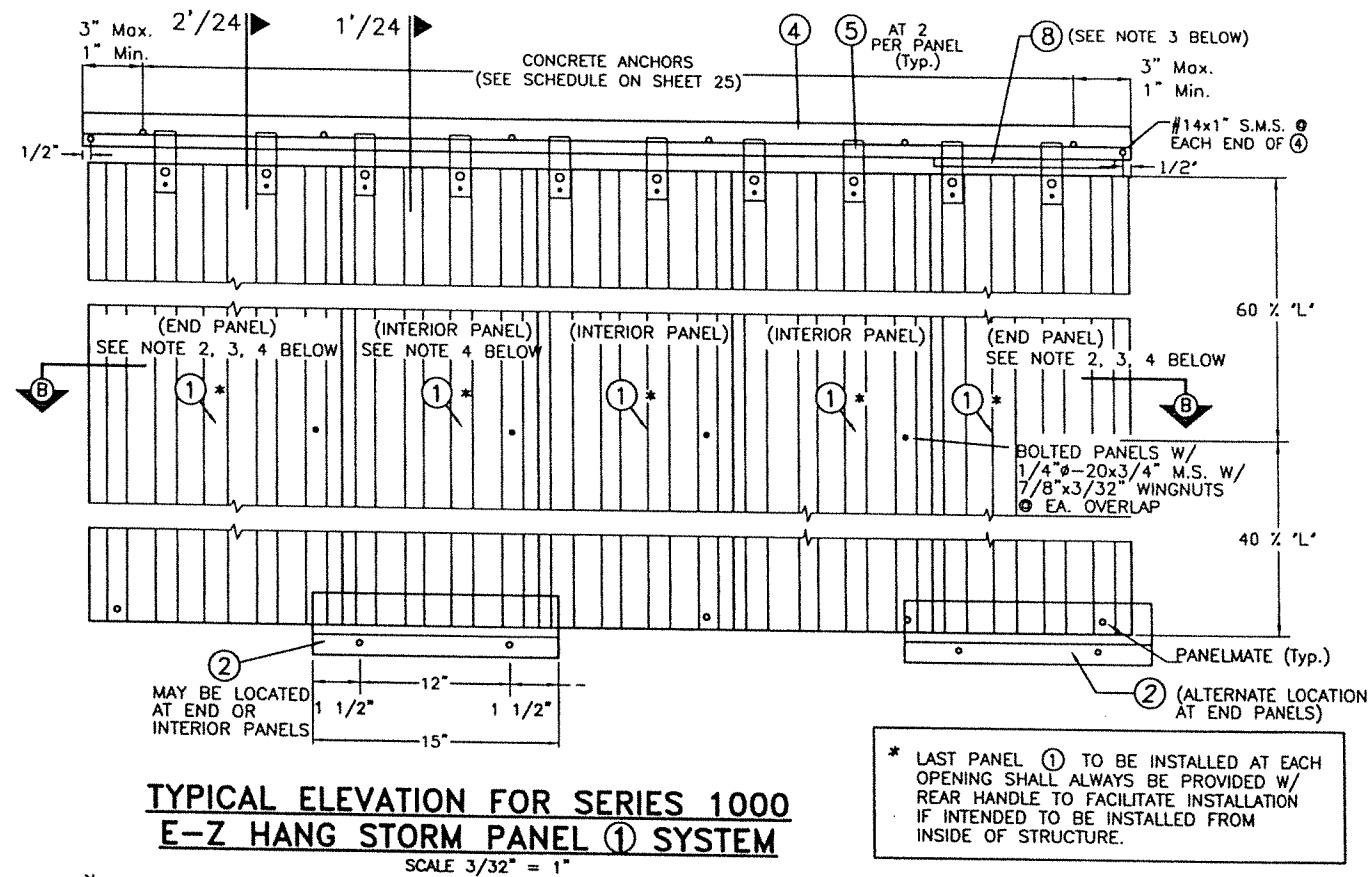
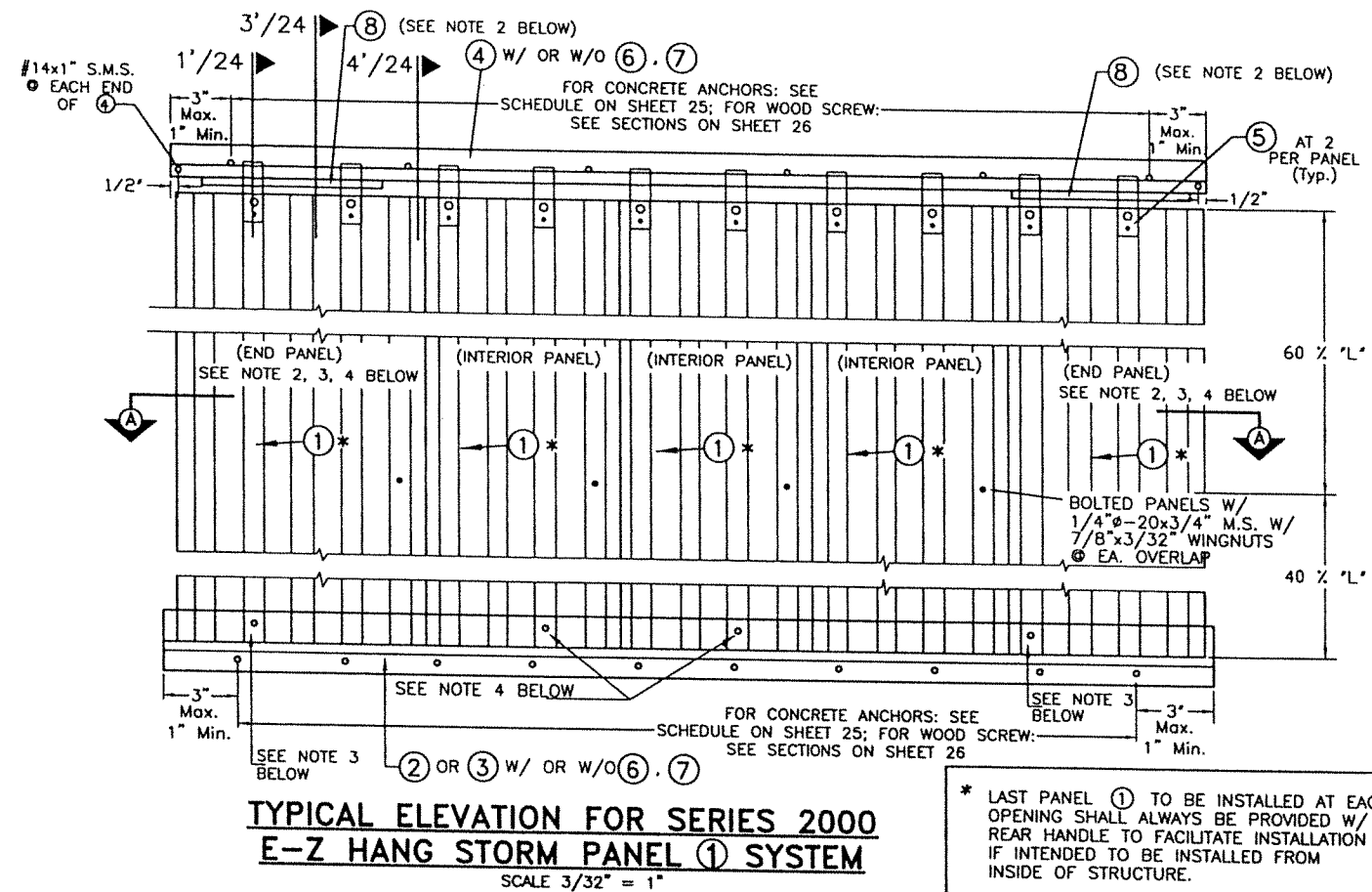


WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
P.E. SEAL/SIGNATURE/DATE

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CA-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

20 GAGE GALVANIZED STEEL STORM PANEL					W.H. DRAWN BY:	
GLOBAL PROTECTION PRODUCTS, LLC.					8/25/2023 DATE:	
4800 S.W. 51 STREET DAVIE, FL 33314 PHONE: (954)689-7545, FAX: (954)689-8797					23-194 DRAWING No:	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	SHEET 22 OF 26
1	OLD 20-176	8/25/23	3	-	-	
2	NEW HILLMAN ANCHORS	11/6/23	4	-	-	



- NOTES :**
- (1). DEFINITION OF SERIES 2000: E - Z HANG STORM PANEL SYSTEM CONSISTING OF PANEL + CONT. TRACKS TOP & BOTTOM.
 - (2). END PANELS SHALL ALWAYS BE CONNECTED TO BOTTOM TRACK OTHERWISE A STOP BAR (8) SHALL BE PROVIDED AT TOP OF SUCH PANELS.
 - (3). IF END PANELS ARE CONNECTED TO BOTTOM TRACK, CONNECTION SHALL CONSIST OF 1/4\"/>

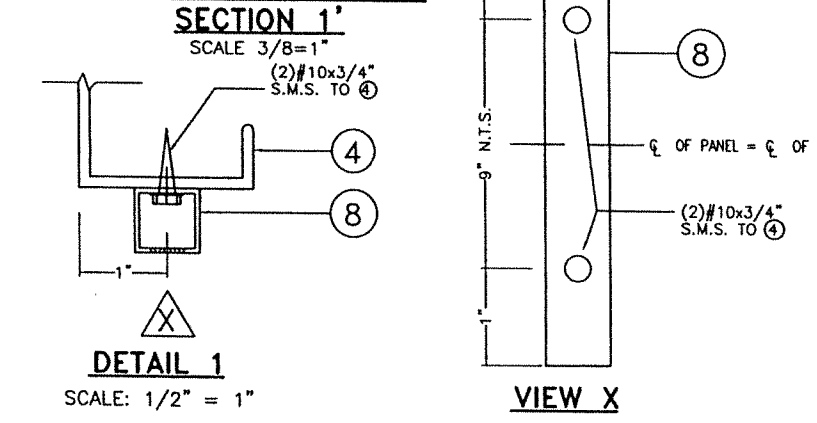
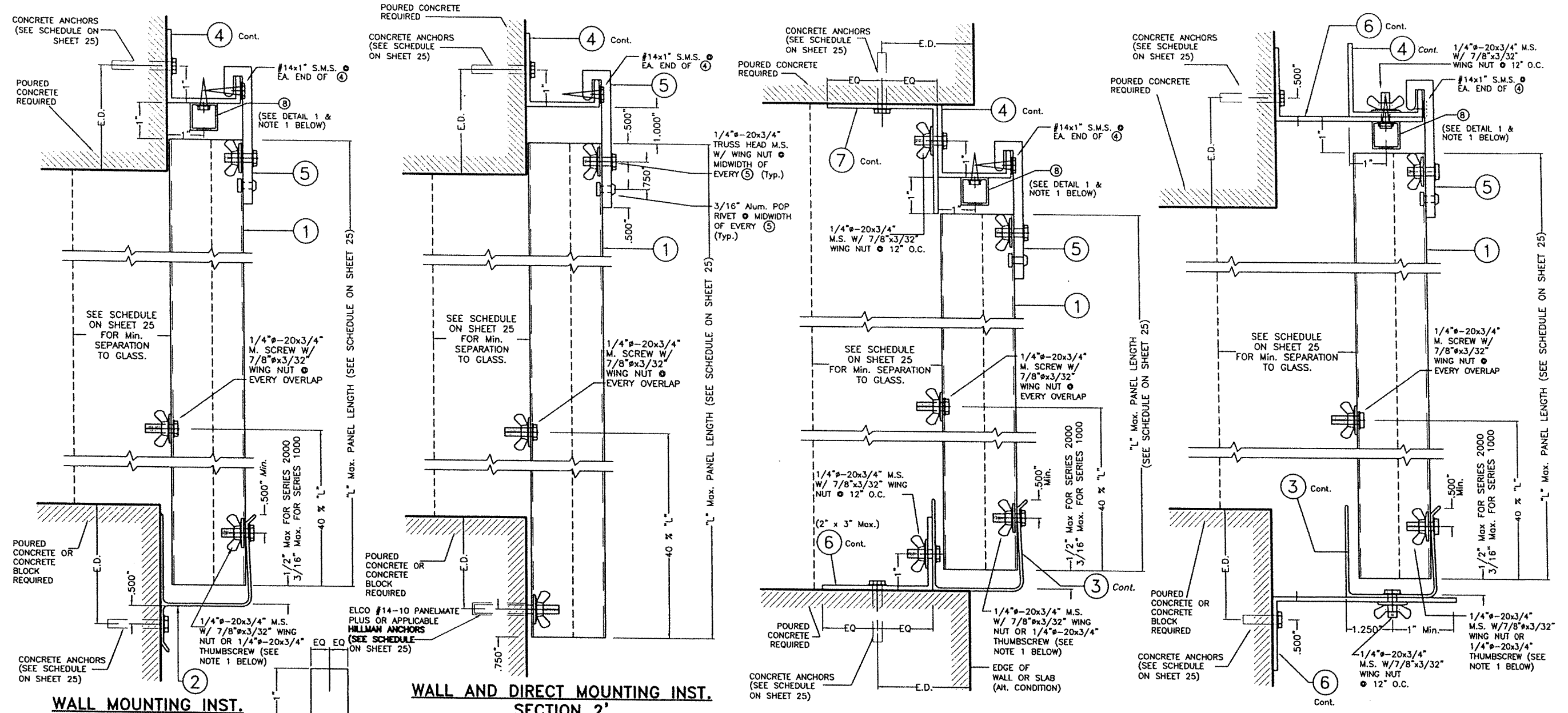
- NOTES :**
- (1). DEFINITION OF SERIES 1000: E - Z HANG STORM PANEL SYSTEM CONSISTING OF PANEL + CONT. TRACKS AT TOP & PANELMATE PLUS OR 15\"/>

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PROFESSIONAL ENGINEER

P.E. SEAL/SIGNATURE/DATE 		©2023 TILTECO, INC. TILLIT TESTING & ENGINEERING COMPANY 8355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305) 871-1530 . Fax : (305) 871-1531 CA-0006719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. # 44167	FLORIDA BUILDING CODE (High Velocity Hurricane Zone) 20 GAGE GALVANIZED STEEL STORM PANEL GLOBAL PROTECTION PRODUCTS, LLC. 4800 S.W. 51 STREET DAVIE, FL 33314 PHONE: (954) 689-7545, FAX: (954) 689-8797	W.H. DRAWN BY: 8/25/2023 DATE: 23-194 DRAWING No: SHEET 23 OF 26
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REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-178	8/25/23	3	-	-
2	NEW HILLMAN ANCHORS	11/6/23	4	-	-

INSTALLATION DETAILS FOR SERIES 2000 AND 1000 E-Z HANG STORM PANEL ① INTO POURED CONCRETE OR CONCRETE BLOCK



NOTE 1:
SEE SPECIFICATIONS AND REQUIREMENTS FOR USE OF STOP BAR ⑧ AT TOP AS WELL AS PANEL ① CONNECTION TO TRACKS ② OR ③ AT BOTTOM, BASED ON 1000 OR 2000 SERIES INSTALLATION TYPE ON SHEET 23.

NOTE FOR COMBINATION OF SECTIONS:
TOP & BOTTOM MOUNTINGS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

E.D. = EDGE DISTANCE
(SEE SCHEDULE ON SHEET 25 & SHEET 21A)

WALTER A. TILLIT, JR.
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STATE OF FLORIDA
PROFESSIONAL ENGINEER

12/5/2023

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CA-0006719
WALTER A. TILLIT Jr., P.E.
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FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

20 GAGE GALVANIZED STEEL STORM PANEL

GLOBAL PROTECTION PRODUCTS, LLC.

4800 S.W. 51 STREET
DAVIE, FL 33314
PHONE: (954)689-7545, FAX: (954)689-8797

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-178	8/25/23	3	-	-
2	NEW HILLMAN ANCHORS	11/8/23	4	-	-

W.H. DRAWN BY: 8/25/2023 DATE: 23-194 DRAWING NO: SHEET 24 OF 26

MAXIMUM A.S.D. DESIGN PRESSURE RATING (p.s.f.) AND
CORRESPONDING MAXIMUM PANEL LENGTH "L" SCHEDULE
FOR SERIES 1000/2000 E-Z HANG STORM PANEL ① SYSTEM

(VALID ONLY FOR PANEL INSTALLATIONS AS PER SECTIONS 1' THRU 4', SHEET 24).

MAXIMUM A.S.D. DESIGN PRESSURE RATING (p.s.f.)	Max. PANEL LENGTH "L" (in.) (SEE SECTIONS)	MINIMUM SEPARATION TO GLASS	PANEL CONDITION	APPLICABLE TO SECTIONS
+66.0, -75.3	70" OR LESS	2 9/16"	BOLTED *	1', 2', 3', 1"W, 2"W & 3"W
+66.0, -75.3	70" OR LESS	2 7/8"	BOLTED *	4' & 4"W

* BOLTED W/ 1/4"Ø-20x3/4" S.S. M.S. & WINGNUT AT OVERLAP & 40% OF PANEL LENGTH MEASURED FROM BOTTOM OF PANEL.

MAXIMUM A.S.D. DESIGN PRESSURE RATING (p.s.f.) AND CORRESPONDING MAXIMUM ANCHOR
SPACING SCHEDULE FOR INSTALLATIONS INTO CONCRETE & CONCRETE BLOCK STRUCTURES Δ

(VALID ONLY FOR PANEL INSTALLATIONS AS PER SECTIONS 1' THRU 4', SHEET 24).

MAXIMUM A.S.D. DESIGN PRESSURE RATING (p.s.f.)	MAXIMUM ANCHORS SPACING FOR E. D. = 3 1/2" **																								APPLICABLE TO SECTIONS # & ANY COMBINATION OF THEM	MAXIMUM PANEL LENGTH "L" (in.)
	TAPCONS		CALK-IN		ELCO PANELMATE FEMALE ID		ELCO PANELMATE PLUS		HILLMAN SOLID SET 1/4" SCREW CS			HILLMAN SOLID SET #14 FEMALE CS.			HILLMAN SOLID SET 1/4" SCREW 410 SS.			HILLMAN SOLID SET #14 MALE CS.			HILLMAN SOLID SET #14 MALE 304 SS.					
	TO CONCRETE	TO CONCRETE BLOCK	TO CONCRETE	TO CONCRETE BLOCK	TO CONCRETE	TO CONCRETE BLOCK	TO CONCRETE	TO CONCRETE BLOCK	TO CONCRETE	GROUT FILLET	TO CONCRETE BLOCK	TO CONCRETE	GROUT FILLET	TO CONCRETE BLOCK	TO CONCRETE	GROUT FILLET	TO CONCRETE BLOCK	TO CONCRETE	GROUT FILLET	TO CONCRETE BLOCK	TO CONCRETE	GROUT FILLET	TO CONCRETE BLOCK			
+66.0, -75.3	12"	N/A	12"	N/A	12"	N/A	12"	N/A	12"	N/A	N/A	12"	N/A	N/A	12"	N/A	N/A	12"	N/A	N/A	12"	N/A	N/A	1' & 2' (TOP)	70" OR LESS	
	11"	3" *	10"	3"	5"	4"	5"	4"	9"	4"	4"	9 1/2"	4"	3 1/2"	9"	4"	4"	9 1/2"	4"	3 1/2"	7 1/2"	4"	2 1/4"	1' (BOTTOM) SERIES 2000 +		
	12"	3"	12"	5"	8"	6"	8"	6"	12"	6"	5"	12"	6"	4"	12"	6"	4 1/2"	12"	6"	4"	11"	6"	2 1/2"	1' (BOTTOM) SERIES 1000 ++		
	N/A	N/A	N/A	N/A	N/A	N/A	12 1/2"	11"	N/A	N/A	N/A	12 1/2"	12 1/2"	6 1/4"	N/A	N/A	N/A	12 1/2"	12 1/2"	6 1/4"	12 1/2"	12 1/2"	N/A	2' (BOTTOM)		
	7"	N/A	6 1/2"	N/A	4 1/2"	N/A	4 1/2"	N/A	7"	N/A	N/A	7"	N/A	N/A	7"	N/A	N/A	7"	N/A	N/A	6 1/2"	N/A	N/A	3' (TOP)		
	12"	N/A	12"	N/A	9 1/2"	N/A	9 1/2"	N/A	9 1/2"	N/A	N/A	9 1/2"	N/A	N/A	9 1/2"	N/A	N/A	9 1/2"	N/A	N/A	9 1/2"	N/A	N/A	3' (BOTTOM)		
	12"	N/A	12"	N/A	12"	N/A	12"	N/A	12"	N/A	-	12"	-	-	12"	-	-	12"	-	-	12"	-	-	4' (TOP)		
	12"	6"	12"	9 1/2"	12"	11"	12"	11"	12"	11"	9 1/2"	12"	11"	7 1/2"	12"	11"	8 1/2"	12"	11"	7 1/2"	12"	11"	5"	4' (BOTTOM)		

* LIMITED TO 20.0 PSI

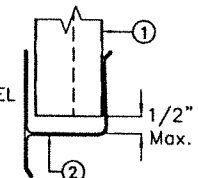
* LIMITED TO 66.0 p.s.f. A.S.D. DESIGN PRESSURE RATING.

SEE SHEET 15 FOR ANCHORS TYPE & SPACING FOR INSTALLATIONS INTO WOOD FRAME BUILDING.
MINIMUM ANCHOR SPACINGS AND MINIMUM EDGE DISTANCE ARE INDICATED ON THIS SCHEDULE. FOR E.D. LESS THAN INDICATED ON SCHEDULE REDUCE ANCHOR SPACING BY MULTIPLYING SPACING SHOWN ON SCHEDULE BY THE FOLLOWING FACTORS. 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.

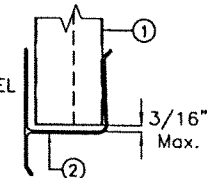
ANCHOR TYPE		1/4"Ø	1/4"Ø	1/4"Ø	1/4"Ø	HILLMAN SOLID-SET 1/4" CS	HILLMAN SOLID-SET #14 FEM. CS	HILLMAN SOLID-SET 1/4" 410 SS	HILLMAN SOLID-SET #14 MALE CS	HILLMAN SOLID-SET #14 MALE 304 SS
Min. ANCHOR SPACING (in.)		TAPCON	ELCO PANELMATE FEMALE ID	ELCO PANELMATE PLUS	CALK-IN	3	3	3	3	3
* EDGE DISTANCE (E.D. Min.)	Concrete (in.)	3	3	3	3	3	3	3	3	3
	Grout filled (in.)	-	-	-	-	3	3	3	3	3
	Concrete Block (in.)	3	3 1/2	3 1/2	4	3	3	3	3	3
ACTUAL E.D. (EDGE DISTANCE)		FACTOR								
1 1/2"		.35	-	-	-	-	-	-	-	-
2 1/2"		-	-	-	.50	-	-	-	-	-
3"		1.00	-	1.00	.63	-	-	-	-	-
3 1/2"		-	1.00	-	1.00	-	-	-	-	-

SEE SHEET 21A FOR MIN. EMBEDMENT OF ANCHORS.

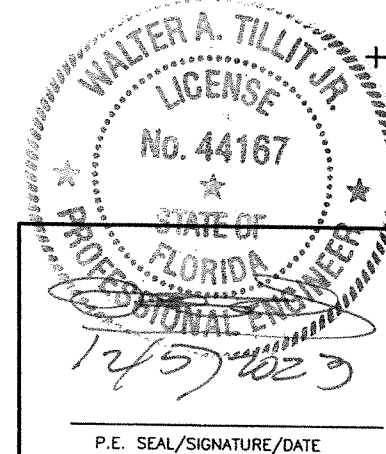
+ REQUIRES Max. DISTANCE BETWEEN BOTTOM OF PANEL AND ② TO BE: 1/2"



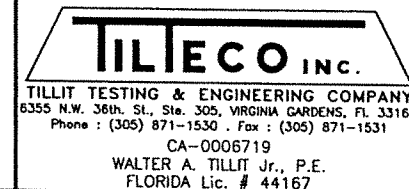
++ REQUIRES Max. DISTANCE BETWEEN BOTTOM OF PANEL AND ② TO BE: 3/16"



FLORIDA BUILDING CODE (High Velocity Hurricane Zone)



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20 GAGE GALVANIZED STEEL STORM PANEL

GLOBAL PROTECTION PRODUCTS, LLC.

4800 S.W. 51 STREET
DAVIE, FL. 33314
PHONE: (954)689-7545, FAX: (954)689-8797

W.H.
DRAWN BY:

8/25/2023
DATE:

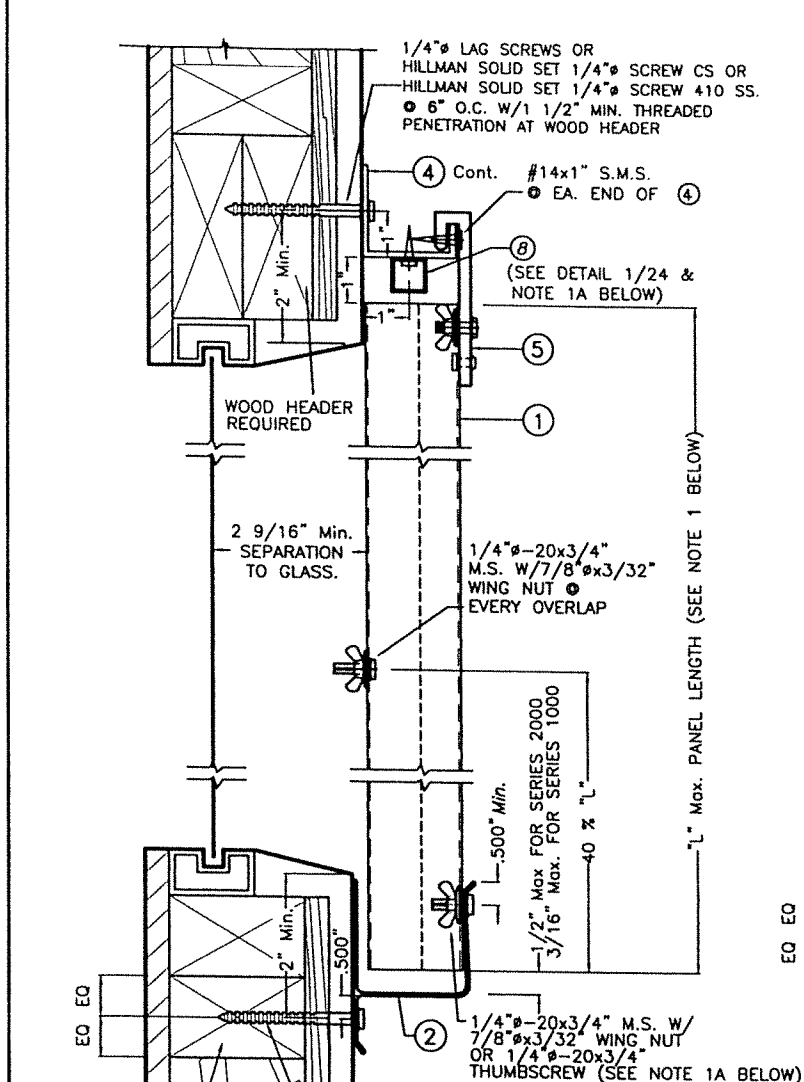
23-194

DRAWING No:

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-176	8/25/23	3	-	-
2	NEW HILLMAN ANCHORS	11/8/23	4	-	-

SHEET 25 OF 26

INSTALLATION DETAILS FOR SERIES 2000 & 1000 E-Z HANG STORM PANEL ① INTO EXISTING WOOD STRUCTURES



**WALL MOUNTING
 INSTALLATION
 ALTERNATIVE 1'W**
 SCALE 1/4"=1"

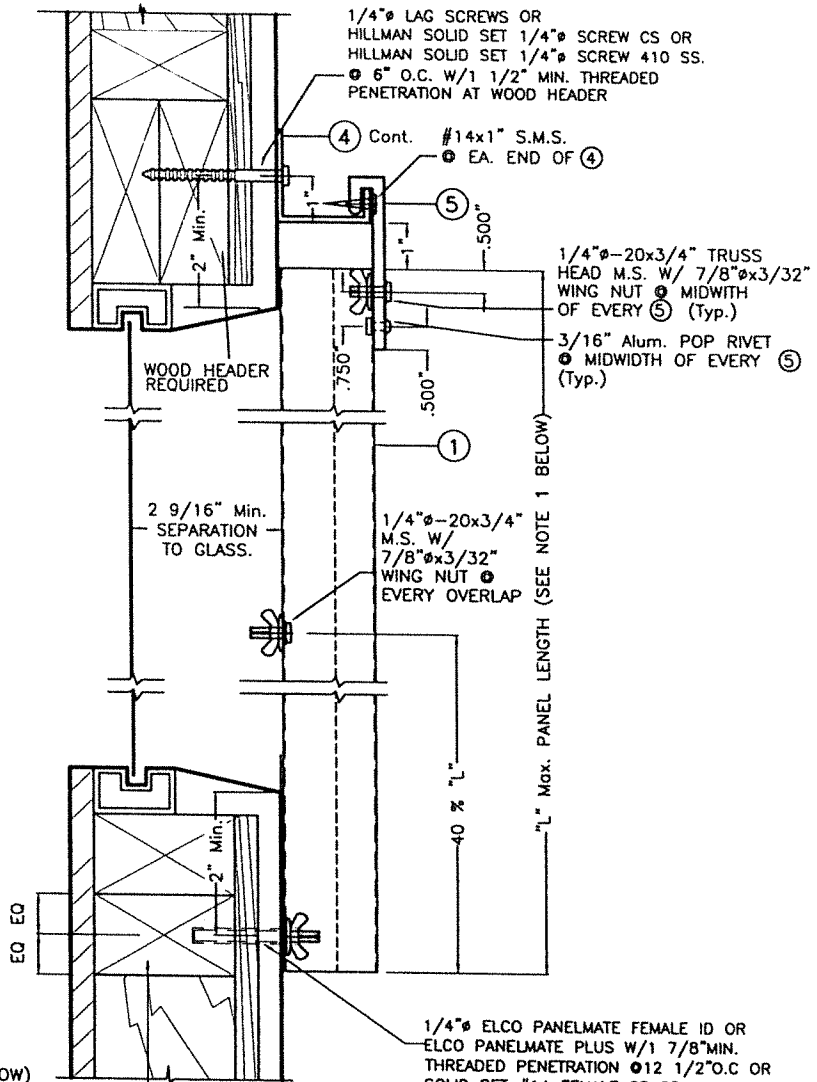
- NOTES:**
- INSTALLATIONS ARE ONLY VALID FOR BUILDINGS WITH A.S.D. DESIGN LOADS UP TO +66.0, -75.3 psf AND PANEL'S LENGTH UP TO 5'-10'.
 - FOR NEW WOOD FRAME CONSTRUCTION: WOOD MEMBERS TO BE SOUTHERN PINE No. 2, W/ SPECIFIC DENSITY OF 0.55 OR EQUAL.

NOTE 1A:

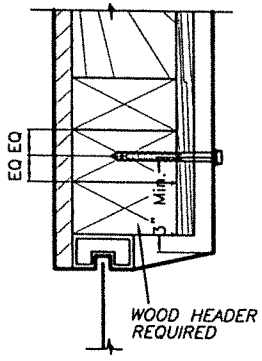
SEE SPECIFICATIONS AND REQUIREMENTS FOR USE OF STOP BAR ⑧ AT TOP AS WELL AS PANEL ① CONNECTION TO TRACKS ② OR ③ AT BOTTOM, BASED ON 1000 OR 2000 SERIES INSTALLATION TYPE ON SHEET 23.

NOTE FOR COMBINATION OF SECTIONS:

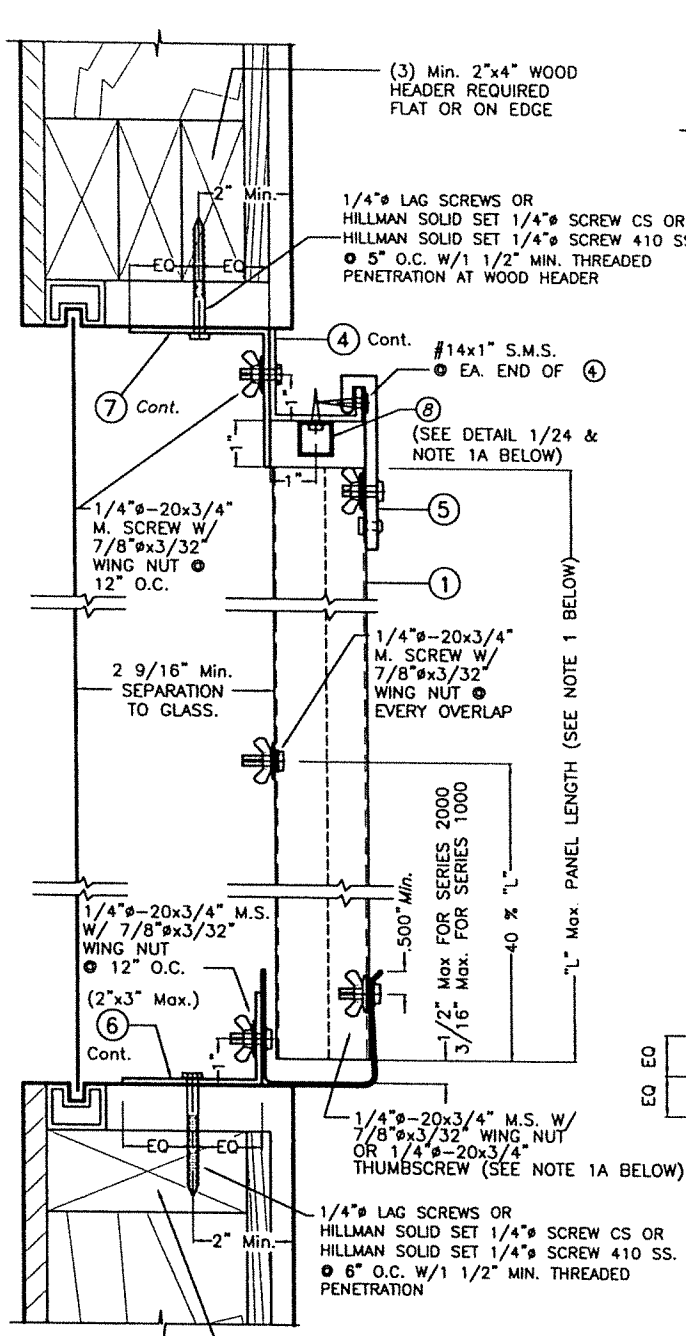
TOP & BOTTOM MOUNTINGS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.



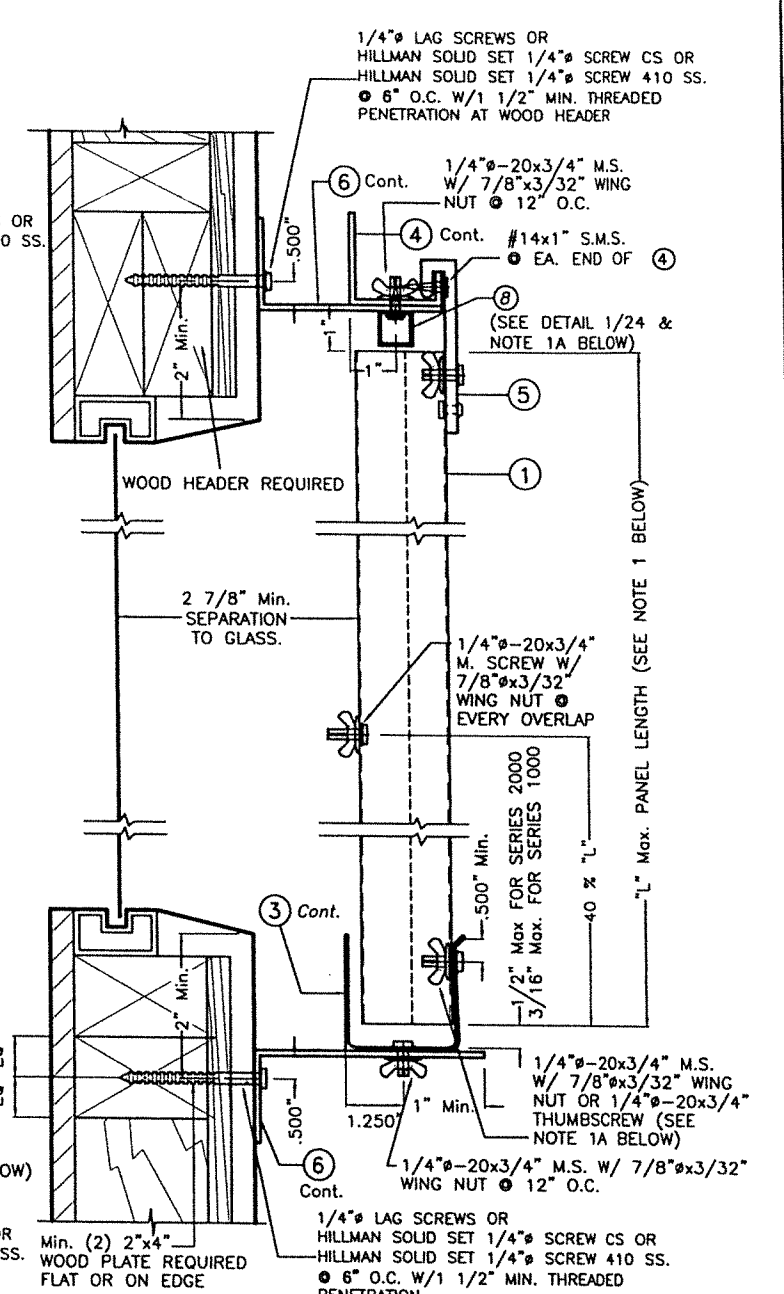
**WALL MOUNTING
 INSTALLATION
 ALTERNATIVE 2'W**
 SCALE 1/4"=1"



**ALTERNATIVE TOP HEADER WOOD FRAME
 CONDITION & ANCHOR LOCATION**
 SCALE: 1/4" = 1"
 NOTE : SHUTTER TRACKS NOT SHOWN FOR CLARITY



**FLOOR TO CEILING MOUNTING
 INSTALLATION
 ALTERNATIVE 3'W**
 SCALE 1/4"=1"



**BUILD-OUT MOUNTING
 INSTALLATION
 ALTERNATIVE 4'W**
 SCALE 1/4"=1"

WALTER A. TILLIT, P.E.
 LICENSE NO. 44167
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 P.E. SEAL/SIGNATURE/DATE

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FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

20 GAGE GALVANIZED STEEL STORM PANEL				W.H. DRAWN BY:	
GLOBAL PROTECTION PRODUCTS, LLC.				8/25/2023	
4800 S.W. 51 STREET DAVIE, FL 33314 PHONE: (954)689-7545, FAX: (954)689-8797				DATE:	
23-194				DRAWING No:	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-176	8/25/23	3	-	-
2	NEW HILLMAN ANCHORS	11/6/23	4	-	-

SHEET 26 OF 26