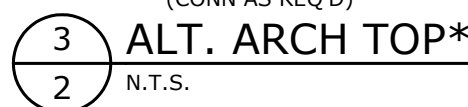
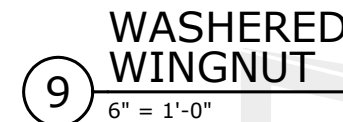
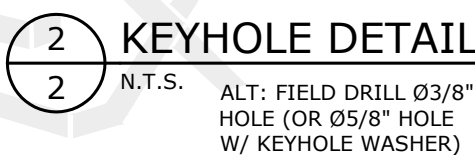
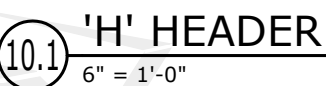
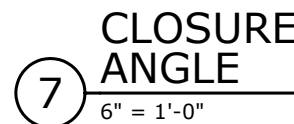


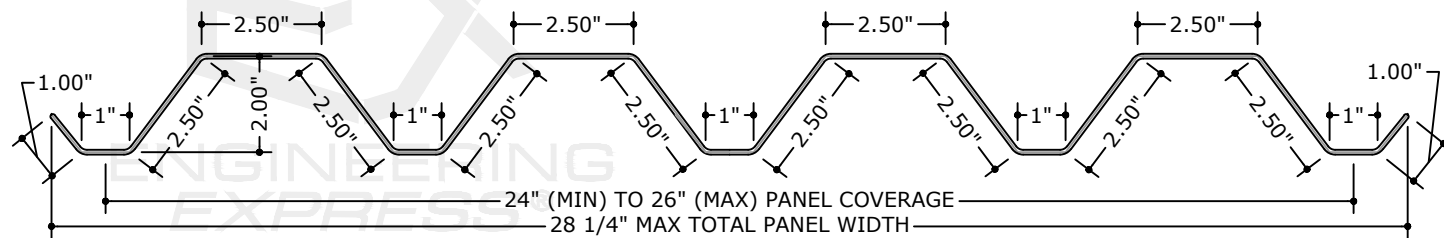
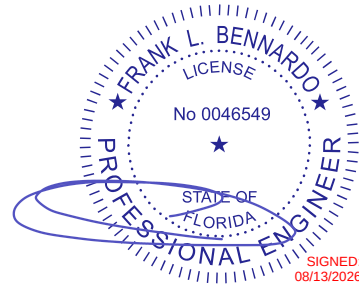
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CLEARGUARD POLYCARBONATE STORM PANELS
FLORIDA BUILDING CODE NINTH EDITION (2026)
FLORIDA STATEWIDE APPROVAL (FSA FL#6416.1)

[illegible]**SCALE: NTS UNLESS NOTED**

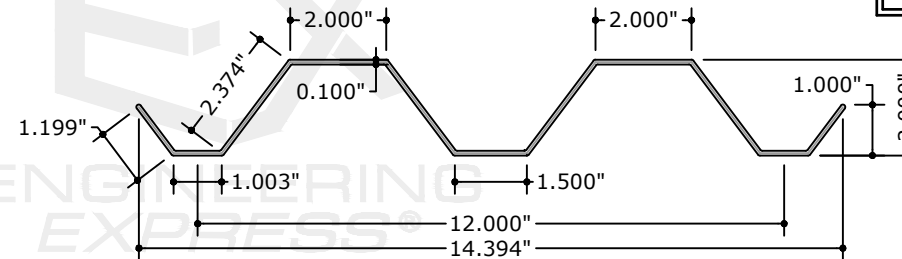
6





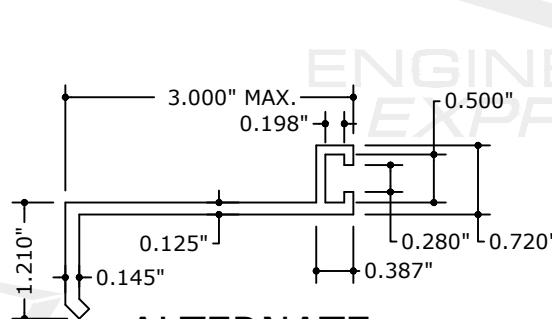
11 "CLEARMAX™" DOUBLE-WIDE PANEL PROFILE
3" = 1'-0" (SEE GEN NOTE 6)

MOUNT WITH
FASTENERS
OR STUDS AT
13" O.C. MAX

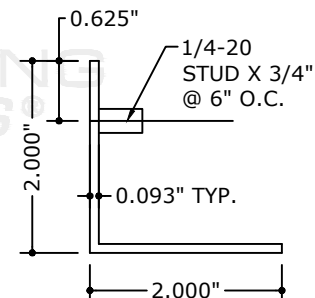


12 ALT. FULL PANEL PROFILE
N.T.S. (SEE GEN NOTE 6)

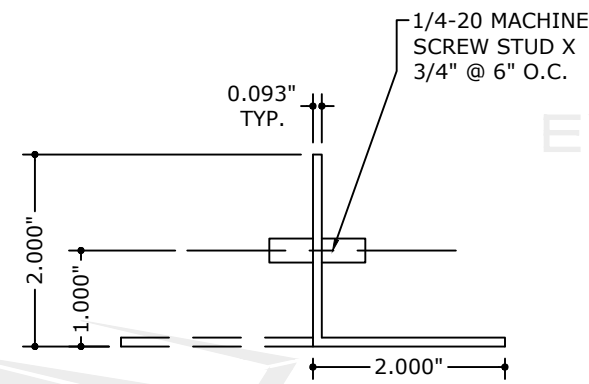
MOUNT WITH
FASTENERS
OR STUDS AT
13" O.C. MAX



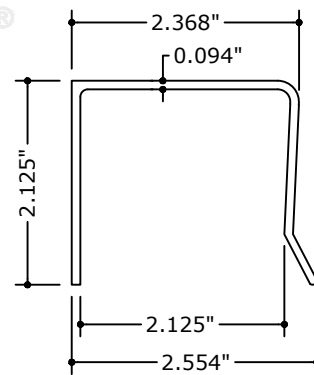
**13 ALTERNATE
B.O. 'F' TRACK**
6" = 1'-0"



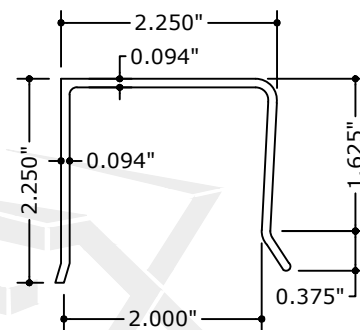
**14 ALTERNATE
STUD ANGLE**
6" = 1'-0"



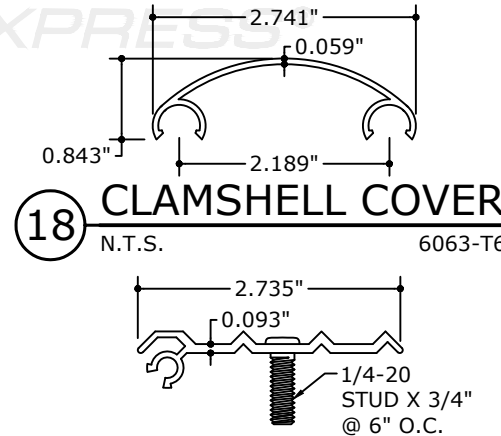
15 STUDDED ANGLE
6" = 1'-0"



16 U-HEADER
N.T.S. 6063-T6



**17 ALTERNATE
U-HEADER**
N.T.S. 6063-T6



18 CLAMSHELL COVER
N.T.S. 6063-T6

19 CLAMSHELL TRACK
N.T.S. 6063-T6

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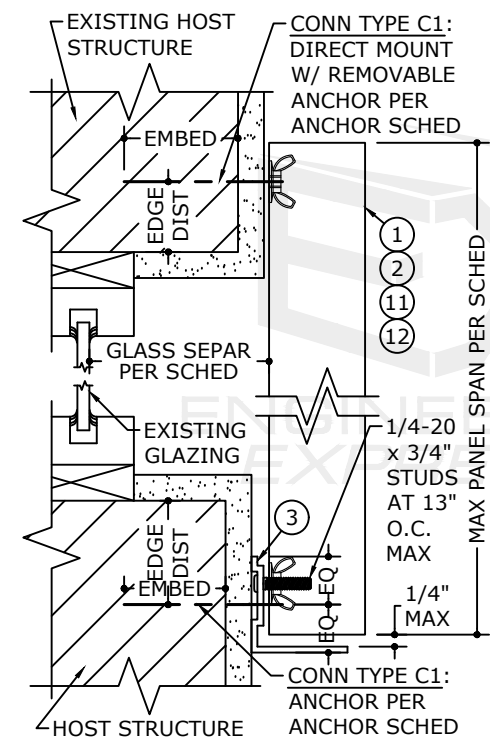
TRANSPARENT PROTECTION SYSTEMS, INC.
25 WANN CIRCLE ROAD
PISGAH, AL 35765
(265)-657-5197
CLEARGUARD POLYCARBONATE STORM PANELS
FLORIDA BUILDING CODE NINTH EDITION (2026)
FLORIDA STATEWIDE APPROVAL (FSA FL#6416.1)

REMARKS	DRWN	CHKD	DATE
PREV. SUBMITTAL (20-30215)	CCB	RWN	06/04/20
PREV. SUBMITTAL (23-65066)	MRT	RWN	09/27/23
2026 FBC UPDATE	CCB	FLB	06/11/26

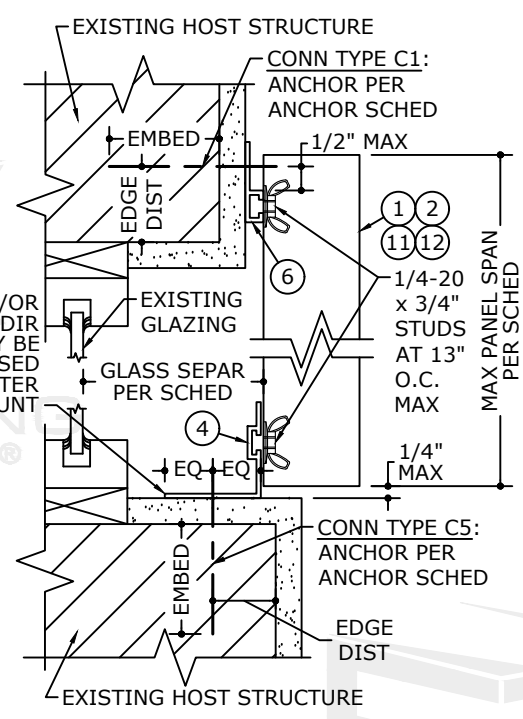
26-100129

SCALE: NTS UNLESS NOTED

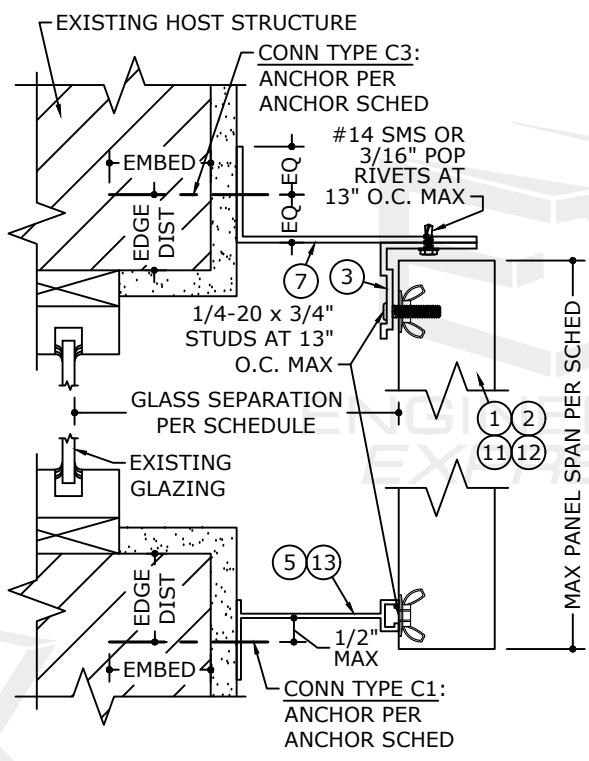
8/13/2026 4:06 PM COLBYBENNARDOPE w:\shared\projects\26-126-100129 2026 product fbc update f6416.1\work\2026 fbc\drawings & cad\26-100129b - f6416.1 - cad.dwg



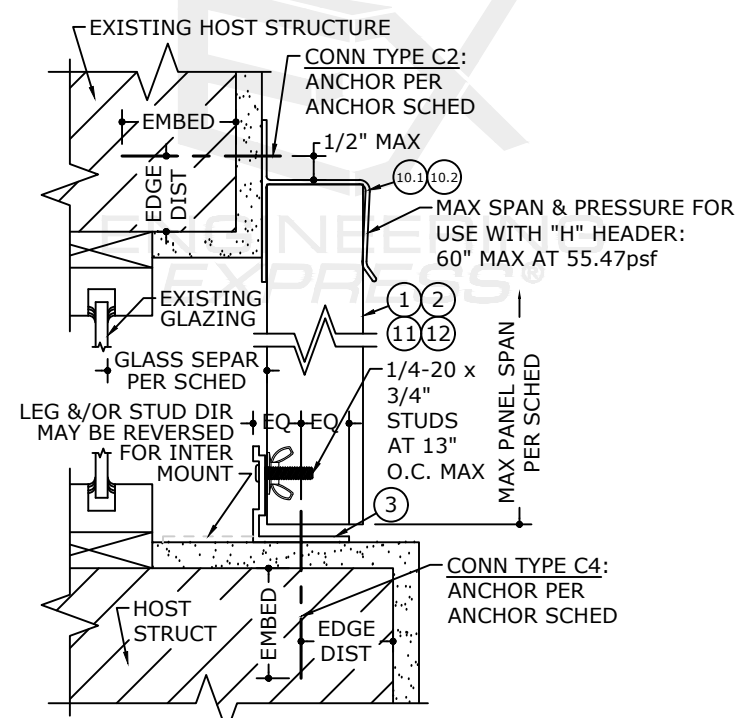
1 MOUNTING SECTION
3" = 1'-0" VERT SECTION



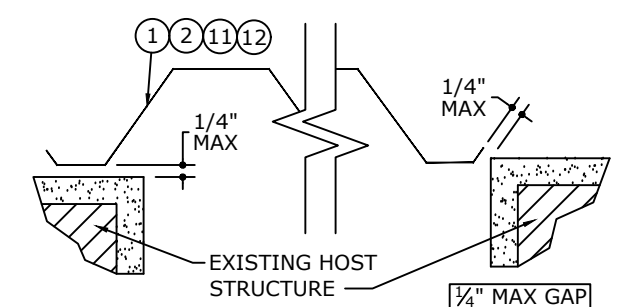
2 MOUNTING SECTION
3" = 1'-0" VERT SECTION



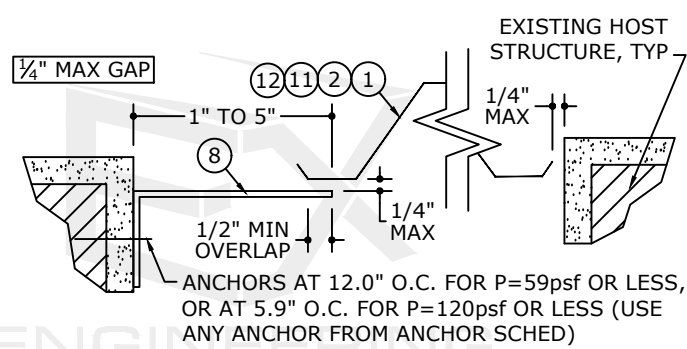
3 MOUNTING SECTION
3" = 1'-0" VERT SECTION



4 MOUNTING SECTION
3" = 1'-0" VERT SECTION



7 WALL MOUNT CLOSURE
3" = 1'-0" PLAN VIEW



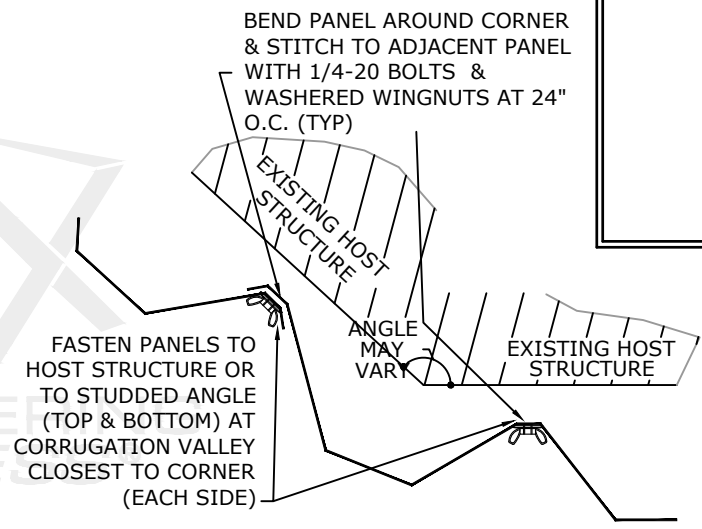
8 TRAP MOUNT CLOSURE
3" = 1'-0" PLAN VIEW

MAXIMUM PANEL SPAN SCHEDULE (POSITIVE CONN.)

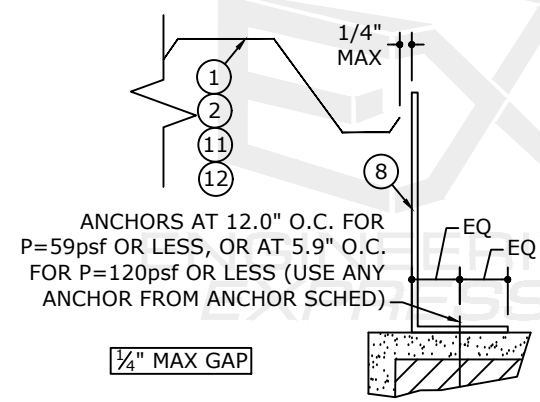
LOAD (psf)	MAX SPAN (ft)
±25	6'-5"
±30	6'-2"
±32	6'-1"
±35	5'-11"
±40	5'-9"
±45	5'-7"
±50	5'-5"
±55	5'-3"
±60	5'-2"
±65	5'-1"
±70	5'-0"
±75	4'-10"
±80	4'-9"
±90	4'-7"
±100	4'-4"
±110	3'-11"
±120	3'-7"

MAXIMUM SPAN SCHEDULE NOTES:

1. SPANS SHOWN IN "MAX PANEL SPAN SCHEDULE" ABOVE ARE MAXIMUM ALLOWABLE SPANS AT EACH RESPECTIVE DESIGN PRESSURE.
2. THIS SCHEDULE MAY BE USED TO DETERMINE MAXIMUM ALLOWABLE SPANS FOR PANELS INSTALLED USING ANY COMBINATION OF MOUNTING EXTRUSIONS INVOLVING A POSITIVE CONNECTION - i.e. ALL INSTALLATIONS WHICH DO NOT INCLUDE AN "H" OR "U" HEADER.
3. WHERE THE "H" HEADER IS USED, THE MAXIMUM ALLOWABLE SPAN IS 5'-0" (60") AND THE MAXIMUM ALLOWABLE PRESSURE IS 55.47psf.
4. WHERE "U" HEADER IS USED, THE MAXIMUM ALLOWABLE SPAN IS 4'-4" (52") AND THE MAXIMUM ALLOWABLE PRESSURE IS +78/-80 PSF.
5. TABLE ABOVE IS VALID FOR PANELS MOUNTED HORIZONTALLY OR VERTICALLY. SPAN DIRECTION IS ALWAYS PERPENDICULAR TO LINE OF ANCHORAGE.

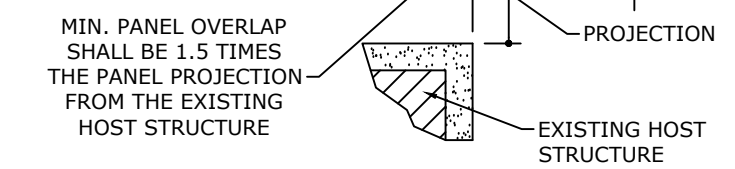


5 CORNER CLOSURE
N.T.S. PLAN VIEW



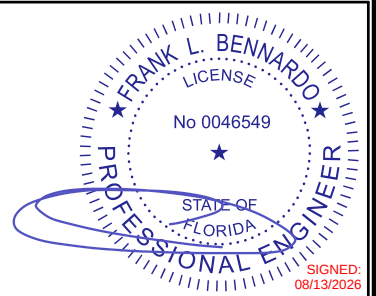
6 BUILD-OUT CLOSURE
3" = 1'-0" PLAN VIEW

NOTE: DETAIL 9/4 MAY BE USED AS AN ALTERNATE TO CLOSURE DETAILS 7/4 AND 6/4.



9 PANEL OVERLAP
N.T.S. PLAN VIEW

FRANK BENNARDO, PE
PE# 0046549 CA# 9885



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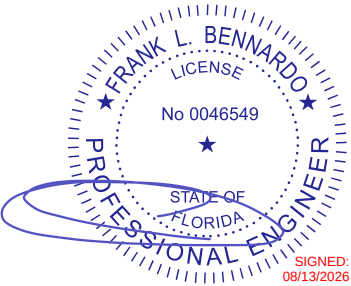
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REMARKS	DATE	DRWN	CHKD
PREV. SUBMITTAL (20-30215)	06/04/20	CCB	RWN
PREV. SUBMITTAL (23-65066)	09/27/23	MRT	RWN
2026 FBC UPDATE	06/11/26	CCB	FLB

26-100129

SCALE: NTS UNLESS NOTED



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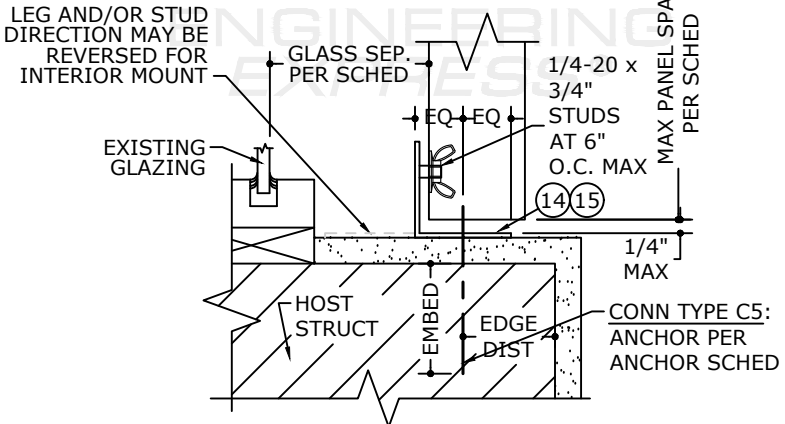
REMARKS	DRWN	CHKD	DATE
PREV. SUBMITTAL (20-30215)	CCB	RWN	06/04/20
PREV. SUBMITTAL (23-65066)	MRT	RWN	09/27/23
2026 FBC UPDATE	CCB	FLB	06/11/26

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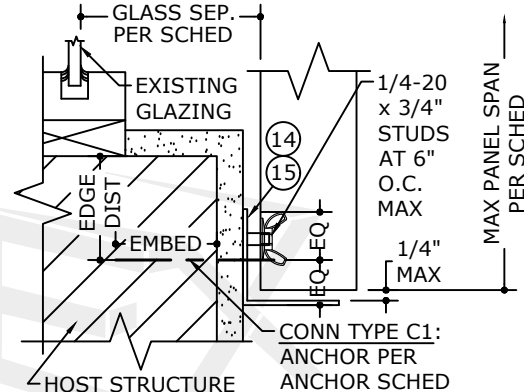
26-100129

SCALE: NTS UNLESS NOTED

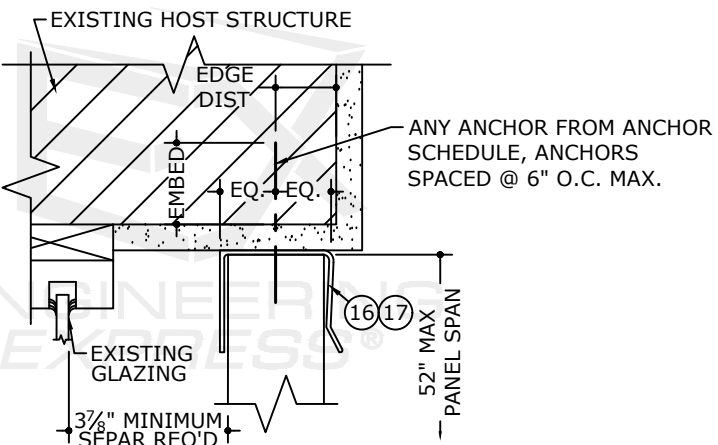
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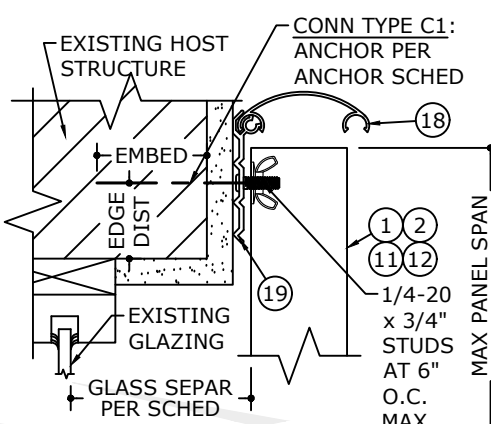
1 MOUNTING SECTION
5 3" = 1'-0" VERT SECTION



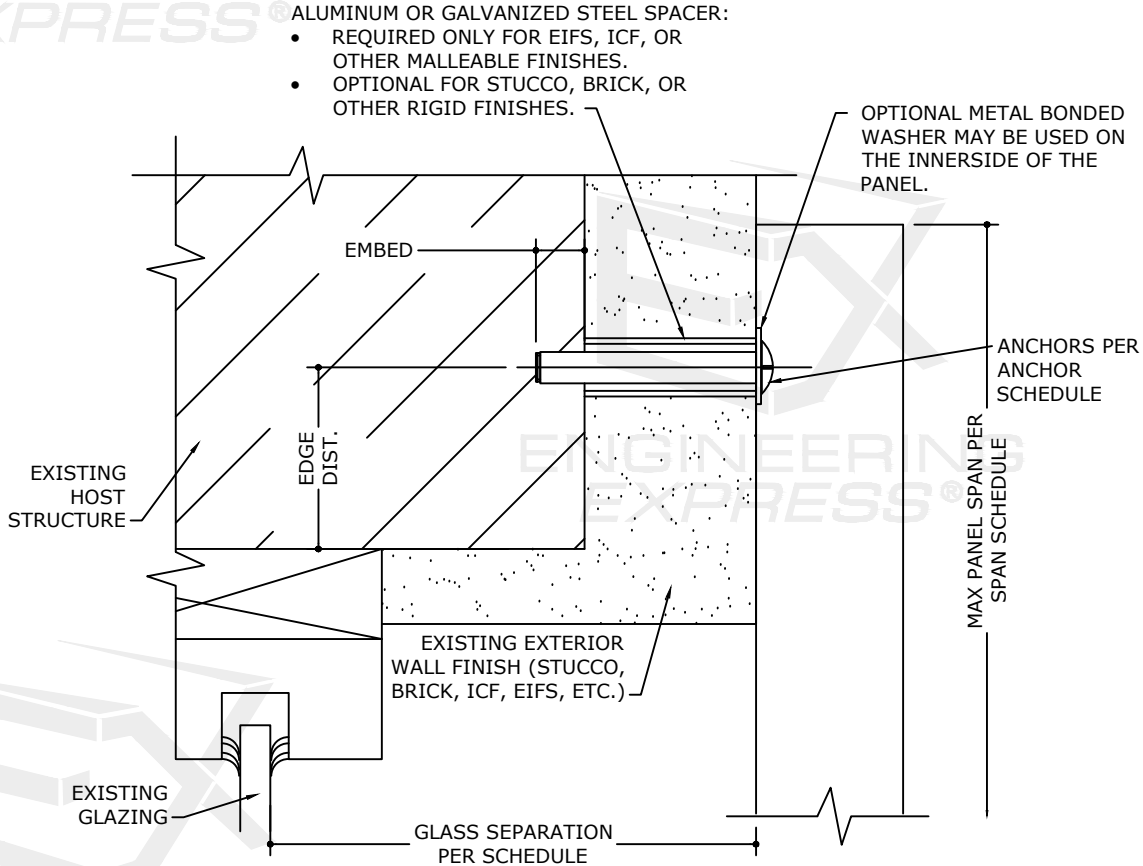
2 MOUNTING SECTION
5 3" = 1'-0" VERT SECTION



3 MOUNTING SECTION
5 N.T.S. VERT SECTION



4 MOUNTING SECTION
5 N.T.S. VERT SECTION



NOTE: SHUTTER SYSTEM MAY BE ANCHORED THROUGH EXTERIOR WALL FINISH TO HOST STRUCTURE WITH ANY MOUNTING CONDITION SHOWN HEREIN.

5 MOUNTING SECTION THRU EXTERIOR WALL FINISH (BRICK, ICF, EIFS, ETC.)
5 N.T.S. VERT SECTION

- ALUMINUM OR GALVANIZED STEEL SPACER:
- REQUIRED ONLY FOR EIFS, ICF, OR OTHER MALLEABLE FINISHES.
 - OPTIONAL FOR STUCCO, BRICK, OR OTHER RIGID FINISHES.

OPTIONAL METAL BONDED WASHER MAY BE USED ON THE INNERSIDE OF THE PANEL.

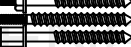
ANCHORS PER ANCHOR SCHEDULE

MAX PANEL SPAN PER SPAN SCHEDULE

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ANCHOR SCHEDULE

HOST STRUCT.	ANCHOR	LOAD (psf)	2" MIN EDGE DISTANCE														
			Spans Up To 4'-0"					Spans Up To 6'-0"					Spans Up To 7'-6"				
			CONN TYPE					CONN TYPE					CONN TYPE				
CONCRETE	1/4" DEWALT ULTRAICON OR ITW ATT TAPCON WITH 1-3/4" EMBED (3000 PSI MIN CONC) 	42	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"
		47	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	10.8"	13.0"	13.0"	13.0"	13.0"
		53	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	9.6"	7.5"	13.0"	13.0"	13.0"
		65	13.0"	13.0"	13.0"	13.0"	13.0"	9.8"	7.6"	13.0"	13.0"	13.0"	7.8"	6.1"	13.0"	8.4"	13.0"
		120	13.0"	7.9"	6.2"	13.0"	8.5"	5.4"	5.3"	4.1"	5.1"	5.7"	4.3"	4.2"	3.3"	4.1"	4.5"
	1/4" DEWALT PANELMATE WITH 1-3/4" MIN EMBED (3350 PSI MIN CONC) 	42	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"
		47	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"
		53	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	12.2"	9.6"	13.0"	13.0"
		65	13.0"	13.0"	13.0"	13.0"	13.0"	12.5"	9.7"	13.0"	13.0"	13.0"	10.0"	7.8"	13.0"	10.6"	13.0"
		120	13.0"	10.1"	7.9"	13.0"	10.8"	6.9"	6.8"	5.3"	6.5"	7.2"	5.5"	5.4"	4.2"	5.2"	5.8"
	1/4-20 ALL POINTS SOLID- SET WITH 7/8" MIN EMBED (3000 PSI MIN CONC) 	42	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"
		47	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	10.9"	13.0"	13.0"	13.0"
		53	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	9.6"	7.5"	13.0"	13.0"	13.0"
		65	13.0"	13.0"	13.0"	13.0"	13.0"	9.8"	7.7"	13.0"	13.0"	13.0"	7.9"	6.1"	13.0"	9.8"	13.0"
		120	13.0"	8.0"	6.2"	13.0"	9.9"	5.4"	5.3"	4.1"	5.9"	6.6"	4.3"	4.3"	3.3"	4.7"	5.3"
	1/4-20 DEWALT CALK-IN WITH 7/8" MIN EMBED (3000 PSI MIN CONC) 	42	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"
		47	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	6.9"	13.0"	11.8"	13.0"
		53	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	6.1"	4.7"	10.4"	10.4"	13.0"
		65	13.0"	13.0"	13.0"	13.0"	13.0"	6.2"	4.8"	10.6"	10.6"	13.0"	5.0"	3.9"	8.5"	4.9"	13.0"
		120	13.0"	5.0"	3.9"	8.6"	5.0"	3.4"	3.4"	N/A	3.0"	3.3"	N/A	N/A	N/A	N/A	N/A

HOST STRUCT.	ANCHOR	LOAD (psf)	2" MIN EDGE DISTANCE														
			Spans Up To 4'-0"					Spans Up To 6'-0"					Spans Up To 7'-6"				
			C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5
HOLLOW BLOCK (ASTM C-90 MIN)	1/4" DEWALT ULTRAICON WITH 1-1/4" EMBED 	42	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	10.7"	10.7"	10.7"	11.2"	11.2"
		47	13.0"	13.0"	13.0"	13.0"	13.0"	11.9"	11.9"	11.9"	12.5"	12.5"	9.5"	3.6"	9.5"	10.0"	10.0"
		53	13.0"	13.0"	13.0"	13.0"	13.0"	10.6"	10.6"	10.6"	11.1"	11.1"	8.5"	3.2"	N/A	8.9"	8.9"
		65	12.9"	12.9"	12.9"	13.0"	8.6"	3.2"	N/A	9.0"	9.0"	6.9"	6.9"	N/A	N/A	7.2"	3.3"
		120	7.0"	N/A	N/A	7.3"	3.3"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1/4" DEWALT PANELMATE WITH 1-1/4" MIN EMBED 	42	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"
		47	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	7.2"	13.0"	13.0"	13.0"	13.0"
		53	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	6.3"	4.9"	13.0"	13.0"	13.0"
		65	13.0"	13.0"	13.0"	13.0"	13.0"	6.5"	5.0"	13.0"	13.0"	13.0"	5.2"	4.0"	12.4"	6.1"	13.0"
		120	13.0"	5.3"	4.1"	12.6"	6.2"	3.6"	3.5"	N/A	3.7"	4.1"	N/A	N/A	N/A	N/A	3.3"
	1/4-20 ALL POINTS SOLID- SET WITH 7/8" MIN EMBED 	42	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"
		47	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	7.3"	13.0"	13.0"	13.0"	13.0"
		53	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	6.4"	5.0"	12.0"	12.0"	13.0"
		65	13.0"	13.0"	13.0"	13.0"	13.0"	6.6"	5.1"	12.3"	12.3"	13.0"	5.2"	4.1"	9.8"	5.4"	13.0"
		120	13.0"	5.3"	4.2"	10.0"	5.5"	3.6"	3.6"	N/A	3.3"	3.7"	N/A	N/A	N/A	N/A	N/A

HOST STRUCT.	ANCHOR	LOAD (psf)	3/4" MIN EDGE DISTANCE														
			Spans Up To 4'-0"					Spans Up To 6'-0"					Spans Up To 7'-6"				
			C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5
WOOD (G=0.55 MIN)	1/4" TAPCON (DEWALT OR ITW) OR #14 WOOD SCREW W/ 1-1/2" EMBED 	42	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	11.6"	11.6"	13.0"	13.0"	13.0"	9.3"	9.3"
		47	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	10.4"	10.4"	13.0"	7.7"	13.0"	8.3"	8.3"
		53	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	9.2"	9.2"	13.0"	6.8"	5.3"	7.4"	7.4"
		65	13.0"	13.0"	13.0"	11.3"	11.3"	13.0"	6.9"	5.4"	7.5"	7.5"	13.0"	5.5"	4.3"	6.0"	4.1"
		120	13.0"	5.6"	4.4"	6.1"	4.2"	3.8"	3.8"	2.9"	2.6"	2.8"	3.1"	3.0"	2.3"	2.1"	2.2"
	1/4" DEWALT PANELMATE (FEMALE, MALE, OR PLUS) W/ 1-7/8" MIN EMBED 	42	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"
		47	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"
		53	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	11.6"	13.0"	13.0"	13.0"
		65	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	11.8"	13.0"	13.0"	13.0"	12.1"	9.4"	13.0"	9.4"	13.0"
		120	13.0"	12.3"	9.6"	13.0"	9.6"	8.3"	8.2"	6.4"	5.9"	6.4"	6.7"	6.5"	5.1"	4.7"	5.1"
	7/16" WOOD BUSHING W/ 7/8" MIN EMBED & 1/4-20 S.S. MACHINE SCREW 	42	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"
		47	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	5.9"	13.0"	13.0"	13.0"
		53	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	5.2"	4.1"	13.0"	13.0"
		65	13.0"	13.0"	13.0"	13.0"	13.0"	5.3"	4.1"	13.0"	13.0"	11.4"	4.2"	3.3"	11.4"	5.3"	13.0"
		120	11.6"	4.3"	3.4"	11.6"	5.4"	2.9"	2.9"	2.2"	3.2"	3.6"	2.3"	2.3"	N/A	2.5"	2.9"
	1/4" LAG SCREW WITH 2-3/32" MIN THREAD PENETR 	42	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	12.1"	12.1"	13.0"	13.0"	13.0"	9.7"	9.7"
		47	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	10.8"	10.8"	13.0"	9.9"	13.0"	8.6"	8.6"	13.0"
		53	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	13.0"	9.6"	9.6"	13.0"	8.8"	6.9"	7.7"	7.7"	13.0"
		65	13.0"	13.0"	13.0"	11.7"	11.7"	13.0"	9.0"	7.0"	7.8"	7.8"	13.0"	7.2"	5.6"	6.3"	4.5"
		120	13.0"	7.3"	5.7"	6.4"	4.6"	5.0"	4.9"	3.8"	2.9"	3.1"	4.0"	3.9"	3.0"	2.3"	2.5"

MINIMUM GLASS SEPARATION SCHEDULE

POSITIVE LOAD (psf)	SPAN LESS THAN	MINIMUM SEPARATION AT OR BELOW 30' ABOVE GRADE	MINIMUM SEPARATION AT ELEV > 30' ABOVE GRADE
32	4'-0"	4.23"	1.37"
	4'-9"	4.23"	1.73"
	6'-1"	5.35"	3.00"
40	4'-0"	4.23"	1.46"
	4'-9"	4.23"	1.92"
	5'-9"	5.35"	3.00"
45	4'-0"	4.23"	1.52"
	4'-9"	4.23"	2.03"
	5'-7"	5.35"	3.00"
50	4'-0"	4.23"	1.58"
	4'-9"	4.23"	2.14"
	5'-6"	5.35"	3.00"
60	4'-0"	4.23"	1.69"
	4'-9"	4.23"	2.37"
	5'-3"	5.35"	3.00"
70	4'-0"	4.23"	1.81"
	4'-9"	4.23"	2.60"
	5'-0"	5.35"	3.00"
120	3'-8"	4.23"	1.97"

ANCHOR NOTES:

1. FOR ALL CONCRETE ANCHORS, UTILIZE EITHER 1/4" ITW ATT TAPCONS OR 1/4" DEWALT ULTRACONS AS SPECIFIED IN THE ANCHOR SCHEDULES.
2. "DEWALT PANELMATE" ANCHORS MAY BE MALE, FEMALE, OR PANELMATE PLUS, AS ILLUSTRATED HEREIN. HEAD STYLE MAY BE STD 13/32" OR WASHERED 5/8" HEX HEAD.
3. ENSURE MINIMUM 2" EDGE DISTANCE FOR ALL ANCHORS TO CONCRETE & TO HOLLOW BLOCK. ENSURE 3/4" EDGE DISTANCE FOR ALL ANCHORS TO WOOD.
4. MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
5. CONCRETE ANCHORS NOTED HEREIN SHALL BE EMBEDDED TO UN-CRAKCED CONCRETE ONLY. INSTALL ALL CONCRETE ANCHORS PER MANUFACTURE'S RECOMMENDATIONS.
6. WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT INTO PLYWOOD.
7. WHERE ANCHORS FASTEN TO NARROW FACE OF STUD FRAMING, ANCHOR SHALL BE LOCATED IN CENTER OF NOMINAL 2x4 (MIN) WOOD STUD (i.e. 3/4" EDGE DISTANCE