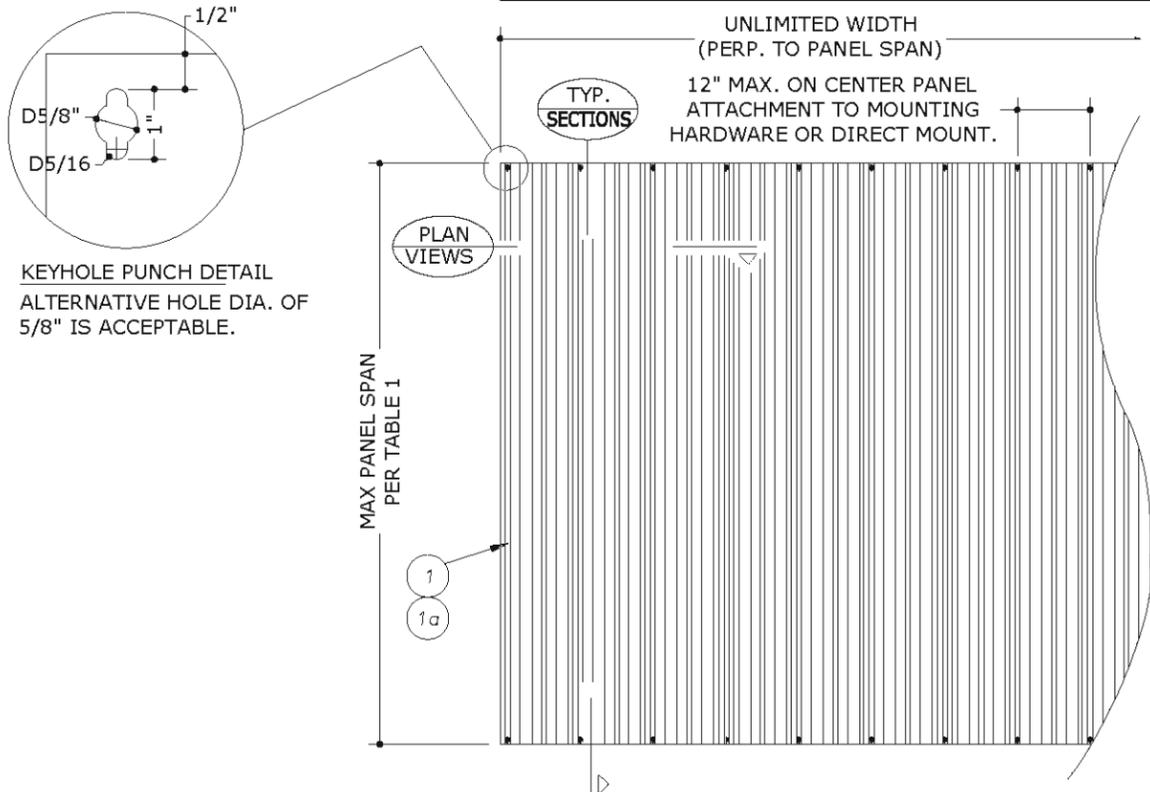


24GA STEEL STORM PANEL

FOR USE OUTSIDE THE HVHZ & WIND ZONE 4



NOTE: TOP MAY BE SLOPED OR RADIUS TO MATCH GEOMETRY OF OPENING. MOUNTING HARDWARE MUST BE ROLL-FORMED TO THE RADIUS; NO NOTCHING OF MOUNTING HARDWARE TO ACHIEVE SHAPES IS ALLOWED.



GENERAL NOTES

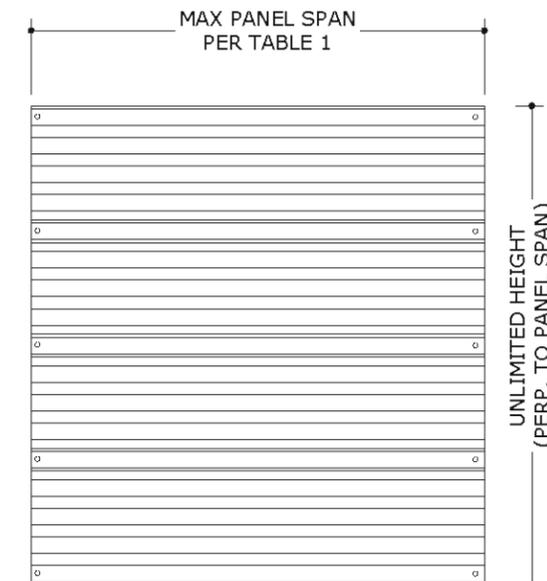
- THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED AS A LARGE MISSILE IMPACT PROTECTIVE SYSTEM IN ACCORDANCE WITH THE FLORIDA BUILDING CODE SEVENTH EDITION (2020), INTERNATIONAL BUILDING CODE (IBC) AND INTERNATIONAL RESIDENTIAL CODE (IRC) FOR USE OUTSIDE THE HIGH VELOCITY HURRICANE ZONE & WIND ZONE 4. SEE PRODUCT EVALUATION REPORT FOR MORE INFORMATION.
- NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR $C_d=1.6$ HAS BEEN USED FOR WOOD ANCHOR DESIGN.
- POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED PER SEPARATE ENGINEERING IN ACCORDANCE WITH THE GOVERNING CODE. PRESSURE REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASCE 7 AND CHAPTER 1609 OF THE FLORIDA BUILDING CODE SEVENTH EDITION (2020) SHALL BE LESS THAN OR EQUAL TO THE POSITIVE OR NEGATIVE DESIGN PRESSURE CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN.
- DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
- THIS SYSTEM HAS BEEN DESIGNED WITH NO SEPARATION FROM GLAZING AND IS INTENDED FOR USE IN WIND ZONES 1-3 ONLY.
- THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
- THESE INSTALLATION INSTRUCTIONS ARE PART OF A PRODUCT APPROVAL EVALUATION AND SHALL ONLY BE USED IN CONJUNCTION WITH THE EVALUATION REPORT SUBMITTED FOR THE SAME PRODUCT APPROVAL. USE OF THESE APPROVAL DOCUMENTS SHALL COMPLY WITH CHAPTER 61G15 OF THE FLORIDA ADMINISTRATIVE CODE.
- PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS. BRICK VENEER PER ASTM C62 (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER ANY APPLICABLE LOADS TO THE EXISTING HOST STRUCTURE.
- STORM PANELS SHALL BE ASTM A653 GRADE 40 STEEL WITH G60 GALVANIZED COATING, TESTED THICKNESS 0.0232".
- ALL POLYCARBONATE PANELS SHALL BE MANUFACTURED BY TRANSPARENT PROTECTION SYSTEMS, Inc.
- ALL POLYCARBONATE PANELS SHALL BE EXTRUDED WITH THICKNESS $t=0.100"$ ($\pm 0.010"$) AND SHALL BE MANUFACTURED FROM 100% SYNTHETIC THERMOPLASTIC POLYMER RESIN (UV STABILIZED). TYPICAL TENSILE STRENGTH $F_y=8.908$ KSI, FLEXURAL STRENGTH $F_{by}=12.90$ KSI, & FLEXURAL MODULUS IS 328.7 KSI.
- ALL EXTRUSIONS SHALL BE 6063-T6 ALUMINUM ALLOY, UNLESS NOTED OTHERWISE. ALL TOLERANCES SHALL BE IN ACCORDANCE WITH ADM 2015.
- TOP & BOTTOM DETAILS SHOWN MAY BE INTERCHANGED AS FIELD CONDITIONS DICTATE. PANELS MAY BE MOUNTED VERTICALLY OR HORIZONTALLY AS APPLICABLE.
- PANELS SHALL BE PERMANENTLY LABELED WITH LABELS SPACED NOT MORE THAN EVERY THREE LINEAL FEET PER PANEL AND SHALL FACE THE EXTERIOR AND CONTAIN AT LEAST THE FOLLOWING:
TOWN & COUNTRY INDUSTRIES
FT. LAUDERDALE, FL
ASTM E330, E1886, & E1996 9 LB MISSILE LEVEL D
FLORIDA PRODUCT APPROVAL NUMBER
- ALL BOLTS & WASHERS SHALL BE ZINC COATED STEEL, GALVANIZED STEEL, STAINLESS STEEL, OR 2024-T6 ALUMINUM ALLOY WITH A MINIMUM TENSILE YIELD STRENGTH OF 33 KSI, UNLESS OTHERWISE NOTED HEREIN.
- CONTRACTOR IS RESPONSIBLE TO INSULATE OR PROTECT ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- SEALANT SHALL BE USED ON ANCHORS OR TRACKS WHEREVER WATER SEEPAGE IS POSSIBLE.



TABLE 1		
ALLOWABLE SPAN SCHEDULE (STEEL PANELS ONLY)		
PANEL SPAN	ALLOWABLE DESIGN PRESSURE	
120"	+ 35.0 PSF	- 38.0 PSF
114"	+ 39.2 PSF	- 41.1 PSF
108"	+ 44.2 PSF	- 44.7 PSF
106"	+ 46.0 PSF	- 46.0 PSF
102"	+ 49.7 PSF	- 49.7 PSF
96"	+ 56.1 PSF	- 56.1 PSF
90"	+ 63.9 PSF	- 63.9 PSF
84"	+ 73.4 PSF	- 73.4 PSF
78"	+ 85.2 PSF	- 85.2 PSF
72"	+ 100.0 PSF	- 100.0 PSF

TABLE 1 NOTES:

- LINEAR INTERPOLATION BETWEEN SHUTTER SPANS IS NOT PERMITTED. FOR SPANS ABOVE, THE DESIGN PRESSURES FOR THE NEXT HIGHER SPAN SHALL BE USED.
- DESIGN PRESSURES NOTED IN TABLE 1 APPLY TO ALL MOUNTING AND ANCHORAGE CONDITIONS AND SHALL NOT BE EXCEEDED.



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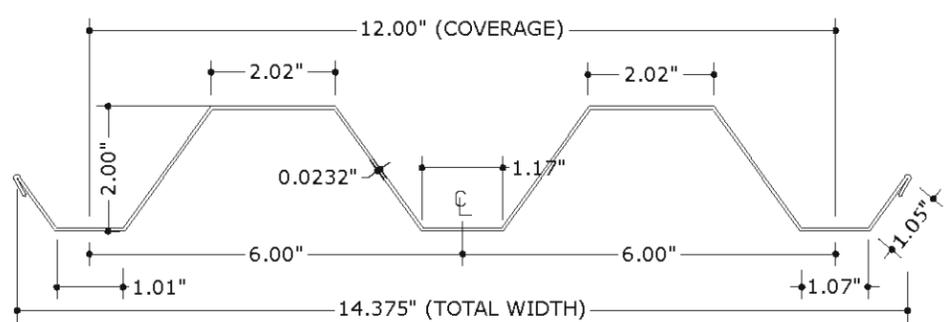
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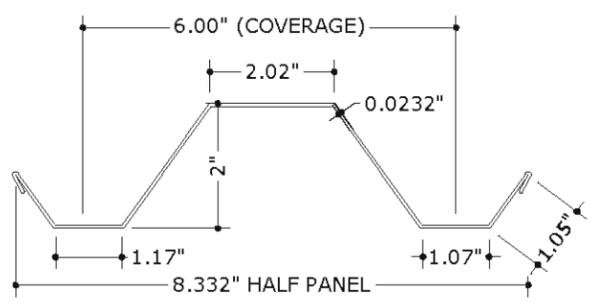
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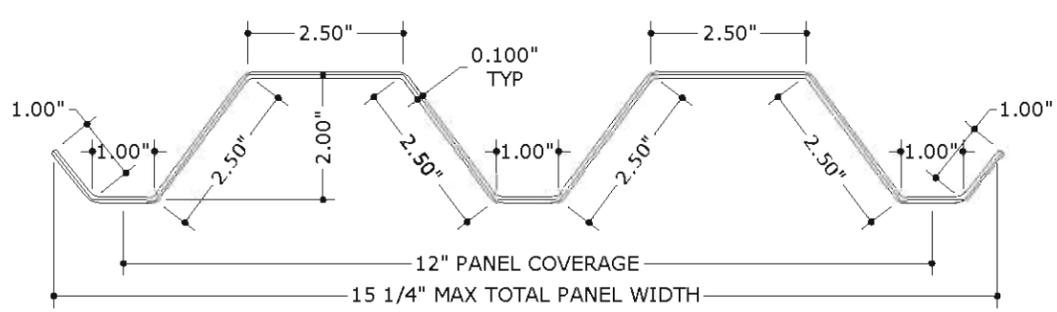


1 STEEL STORM PANEL

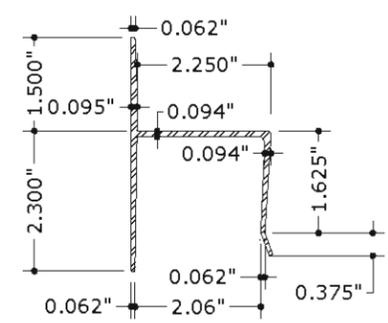


1a STEEL HALF STORM PANEL

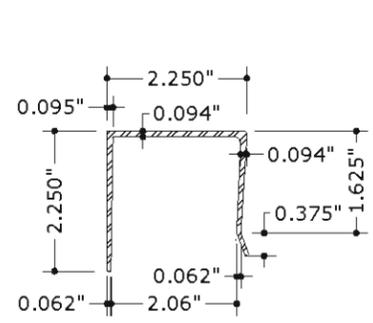
NOTE: HALF STORM PANEL SHALL ONLY BE USED AS AN END PANEL TO CLOSE THE REMAINING OPENING THAT MAY BE LESS THAN FULL PANEL WIDTH



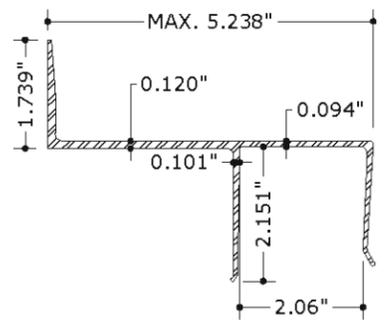
1b POLYCARBONATE STORM PANEL



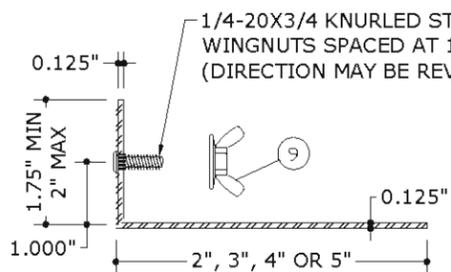
2 H HEADER



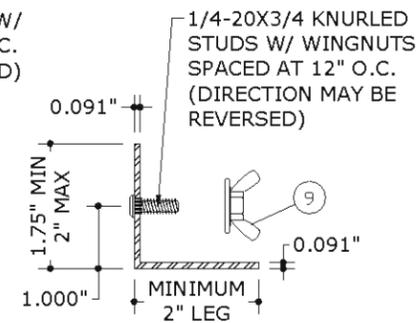
3 U HEADER



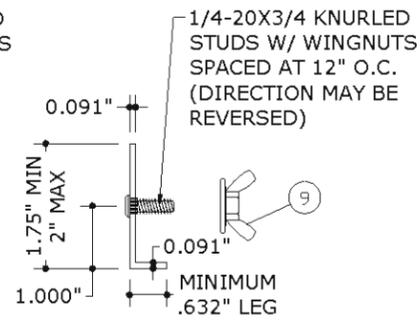
3a BUILD-OUT U HEADER



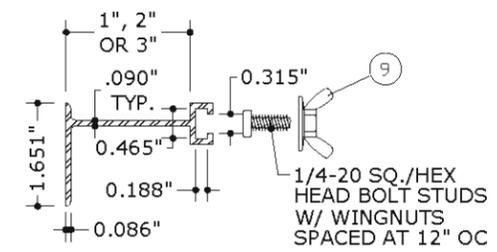
4 STUD ANGLE
SEE COMPONENT NOTES



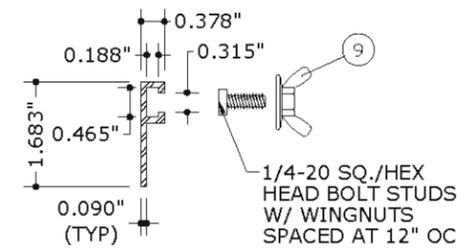
4a STUD ANGLE
SEE COMPONENT NOTES



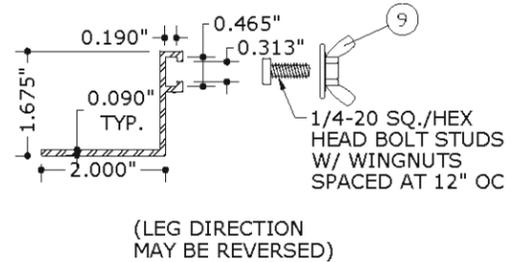
4b STUD ANGLE
SEE COMPONENT NOTES



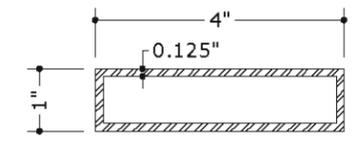
7 BUILD-OUT F TRACK



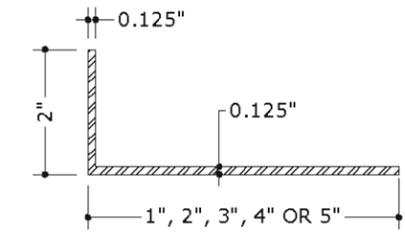
8 F TRACK



8a F ANGLE TRACK

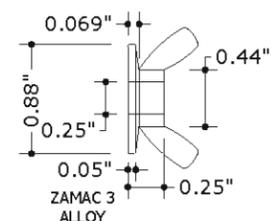


6 TUBE



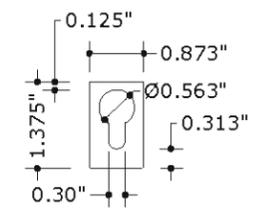
5 ANGLE

COMPONENT NOTES
ANCHOR HEADS MUST NOT INTERFERE WITH INSTALLATION OF THE PANEL. THE FIRST AND LAST ANCHOR IN ALL TRACKS SHALL BE INSTALLED WITHIN THE FIRST 3\"/>



9 WASHER WINGNUT

NON-RECESSED FLAT SURFACE TYPE ONLY

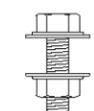


10 KEYHOLE WASHER

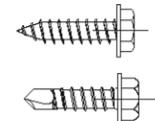
20 GA. GALV. STEEL (t=.038\"/>



11 1/4-20 SQ./HEX HEAD BOLT



12 1/4-20 316 SS MACHINE BOLT W/NUT



13 #14x3/4 SDS/SMS SCREW



14 1/4-20 SIDEWALK BOLT



15 1/4-20 TRUSS HEAD BOLT

REQUIRES USE OF KEYHOLE WASHER IN DIRECT MOUNT APPLICATIONS

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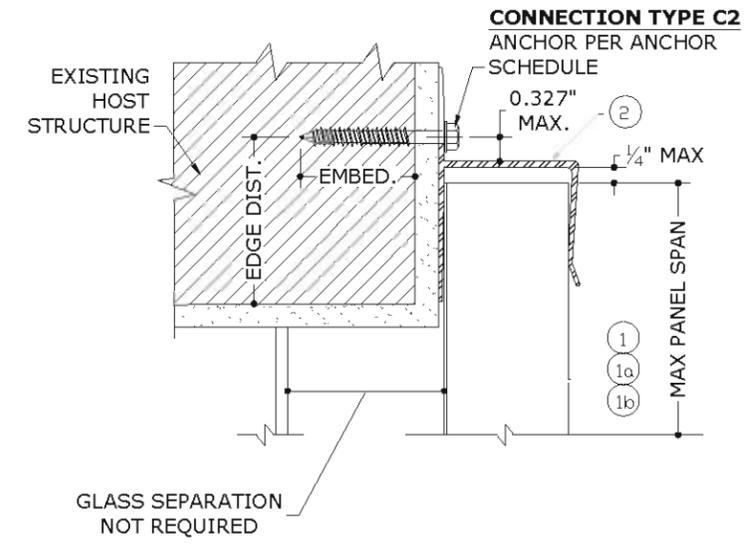
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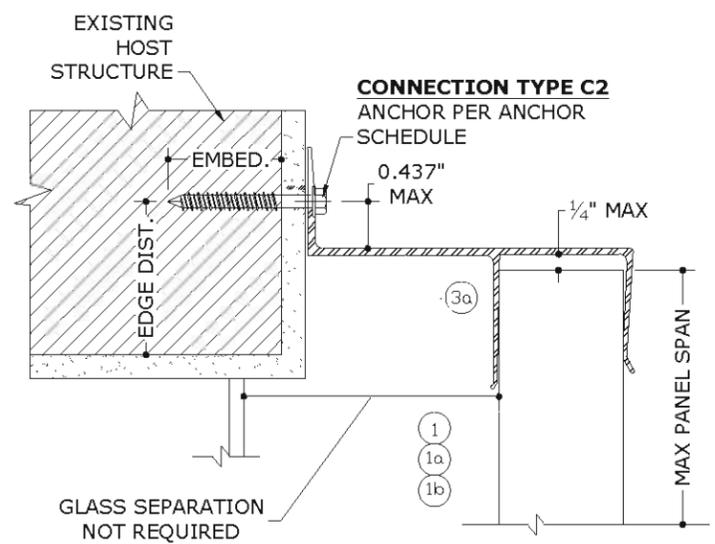
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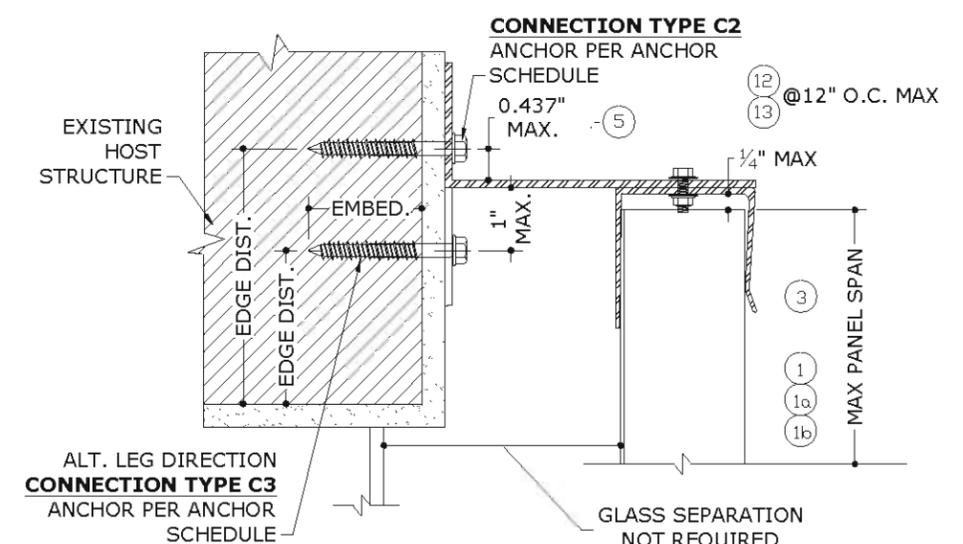
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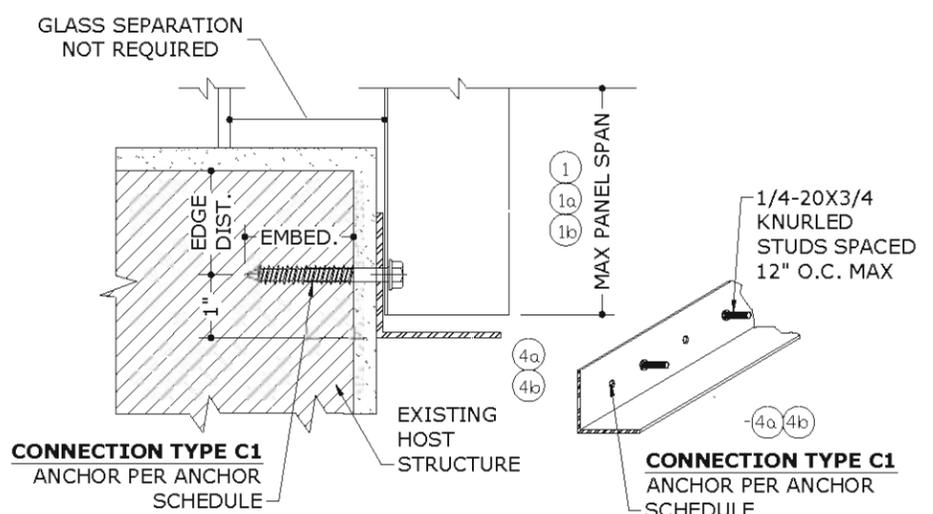
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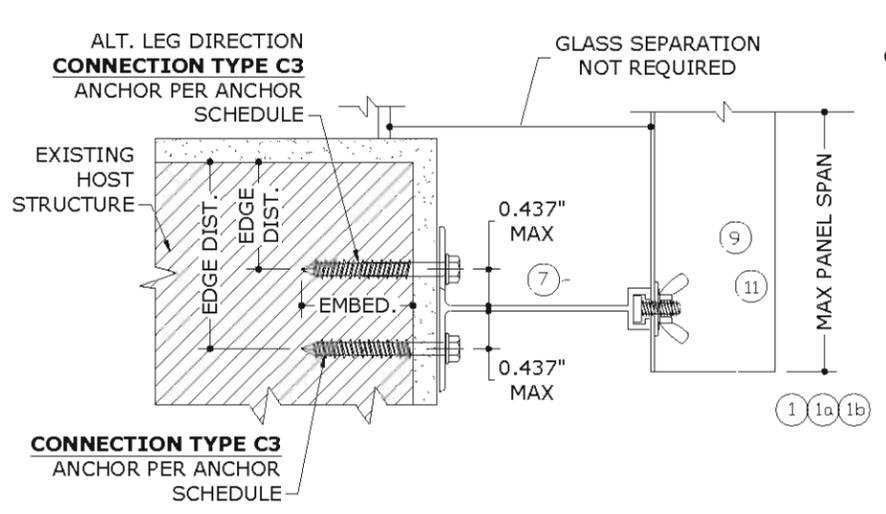
B BUILD-OUT "U" MOUNT SECTION



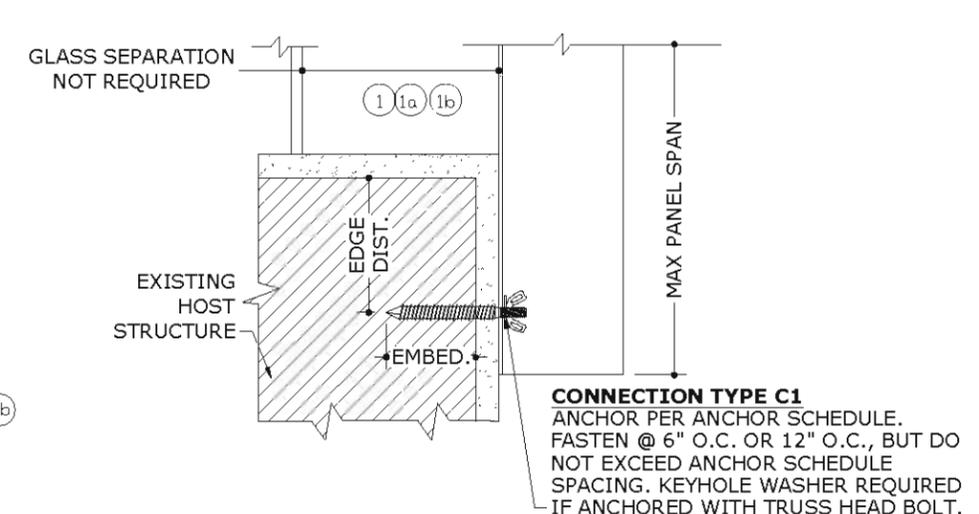
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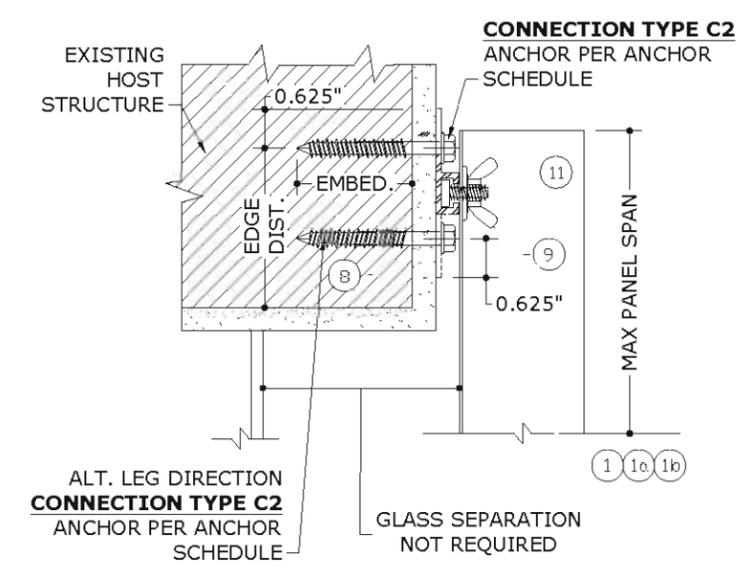
D STUD ANGLE WALL MOUNT SECTION



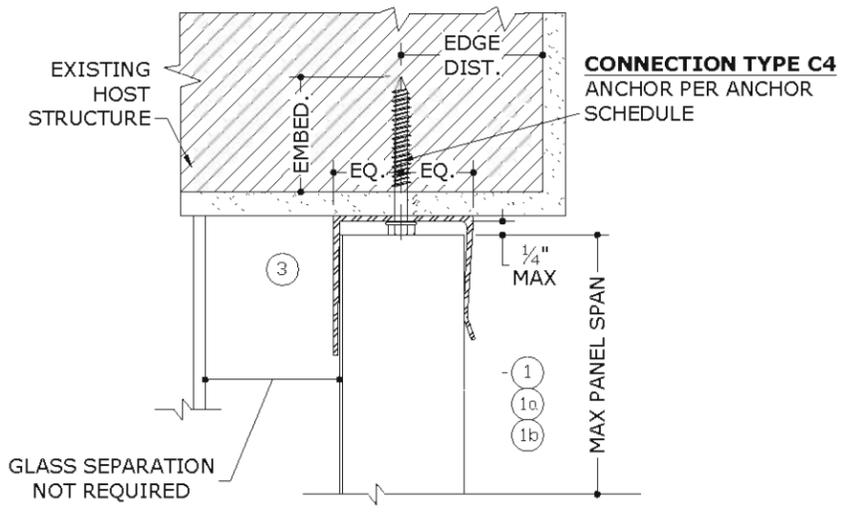
E BUILD-OUT "F" TRACK SECTION



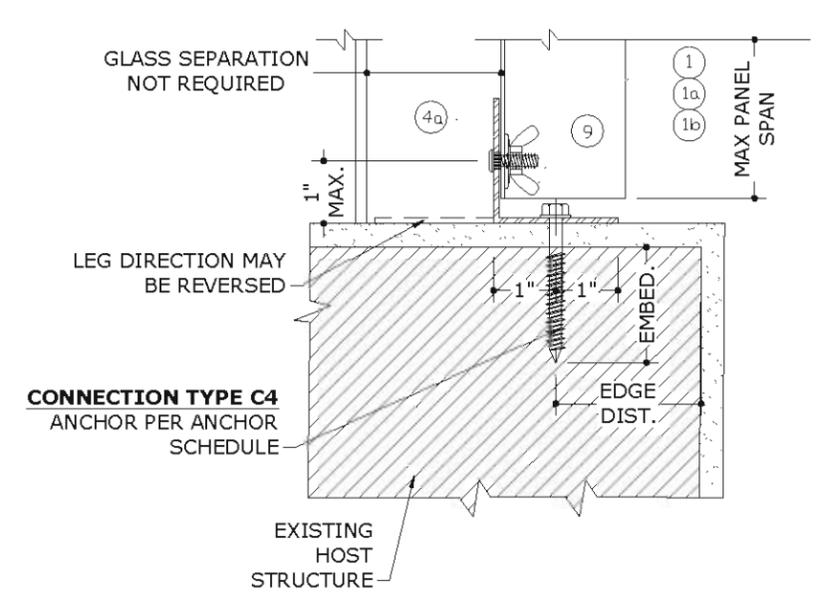
F DIRECT MOUNT SECTION



G "F" TRACK MOUNT SECTION



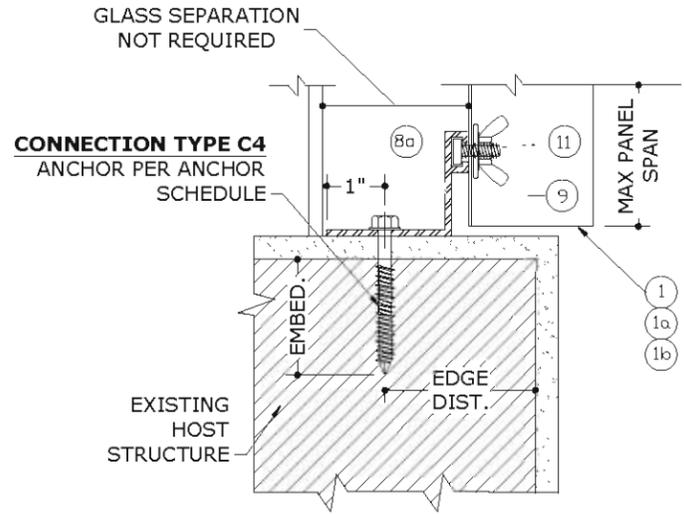
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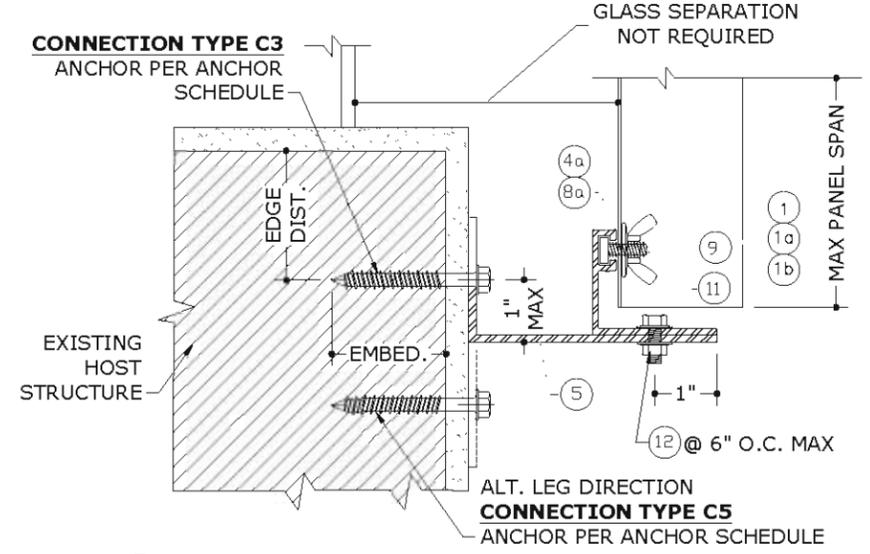
I TRAP STUD ANGLE SECTION

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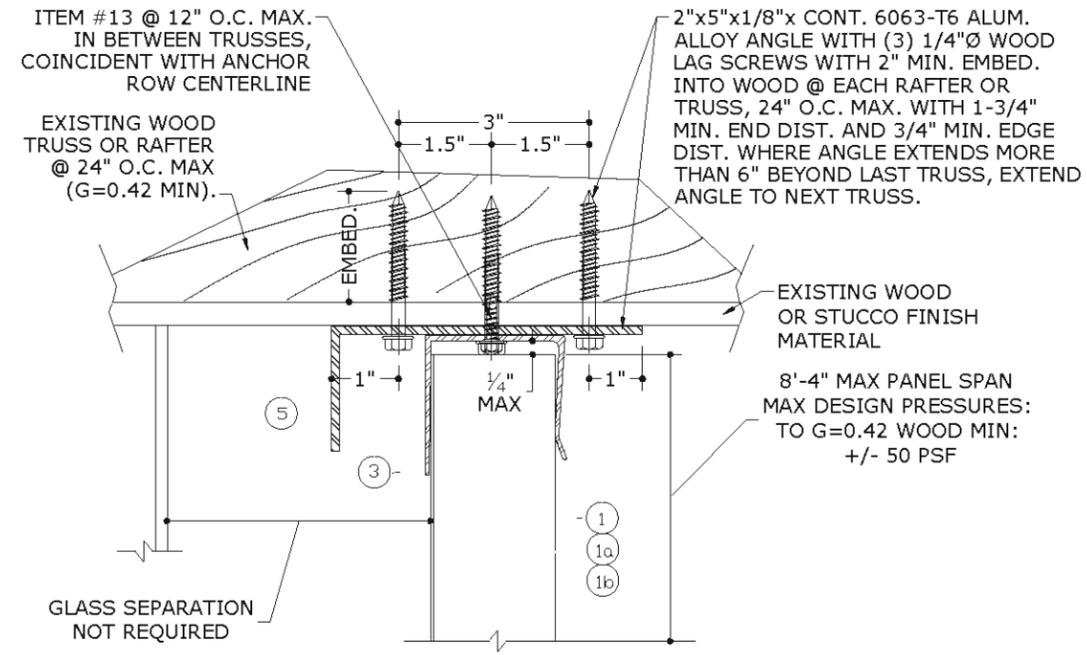
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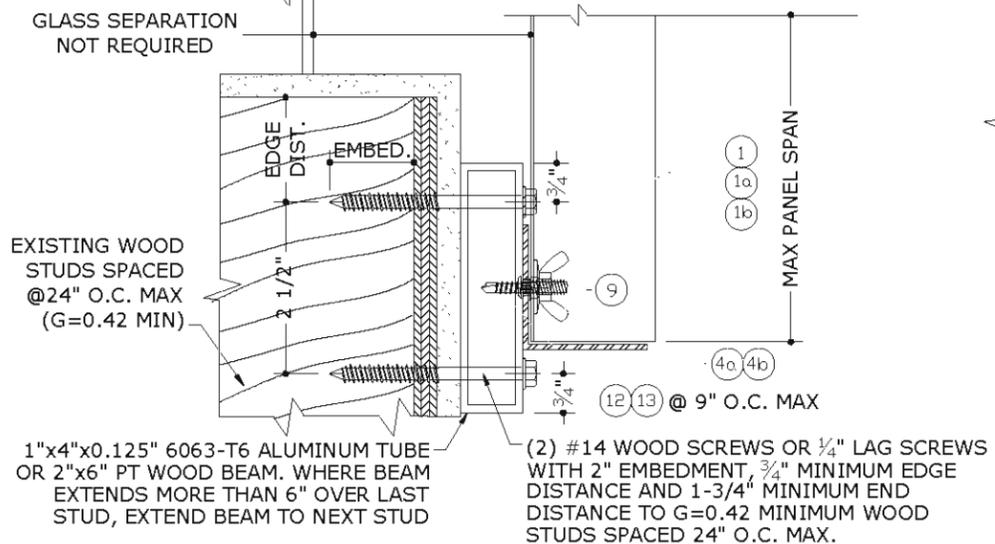
J "F" ANGLE TRACK MOUNT SECTION



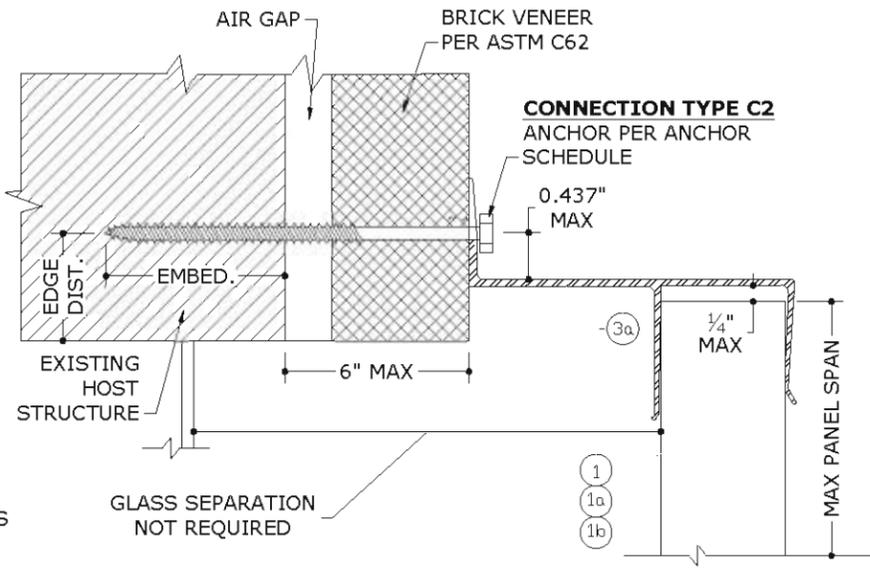
K REVERSE "F" ANGLE TRACK MOUNT SECTION



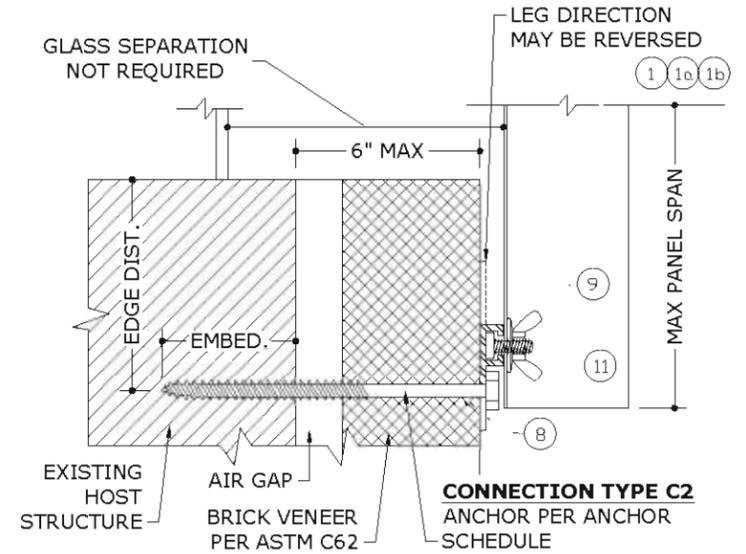
L CEILING MOUNT/BUILD-OUT SECTION



M STUD ANGLE BUILD-OUT MOUNT SECTION INTO STUD WALL



N "U" HEADER BUILD-OUT THROUGH VENEER OVER STRUCTURAL BASE SECTION



O DIRECT MOUNT THROUGH VENEER OVER STRUCTURAL BASE SECTION

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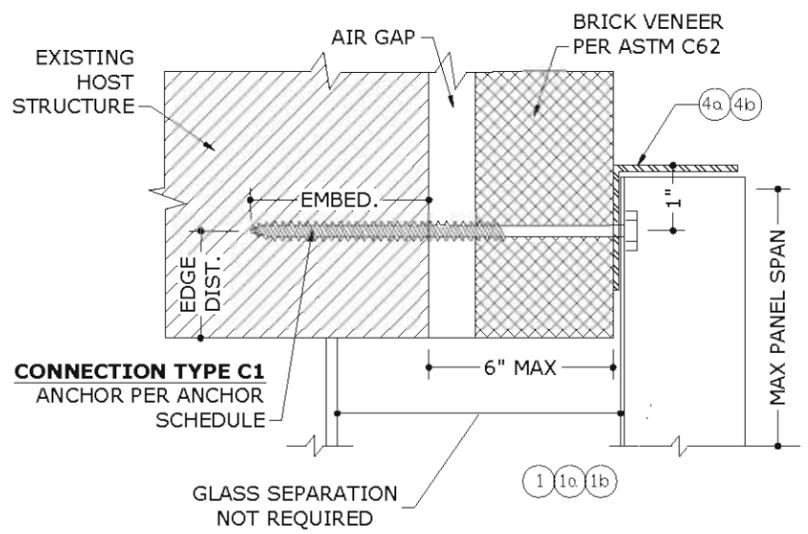
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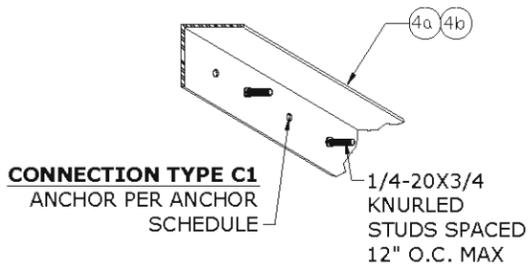


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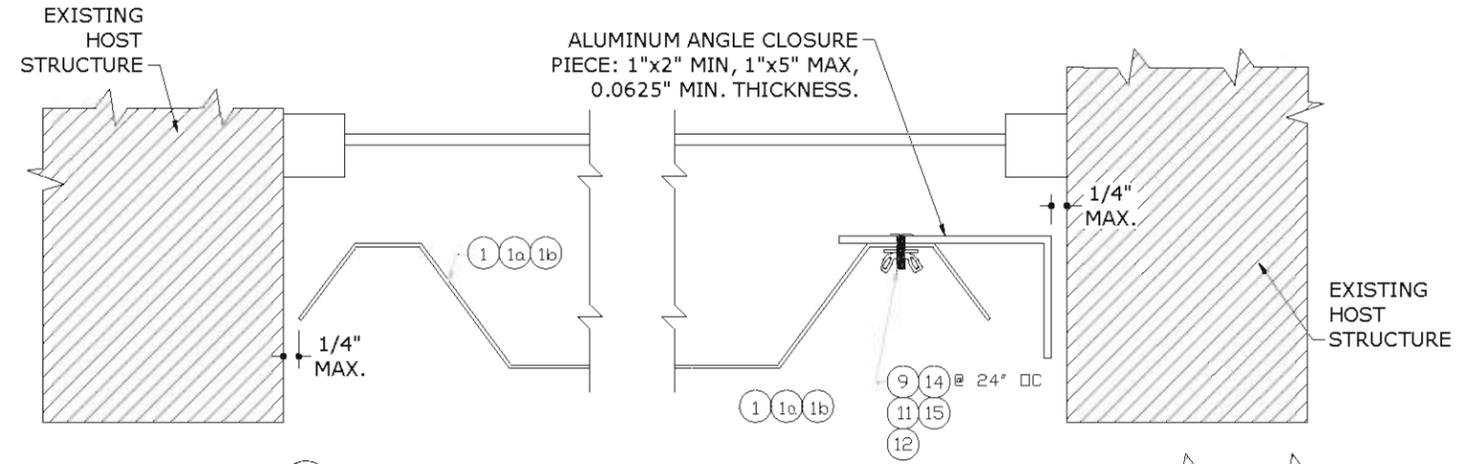
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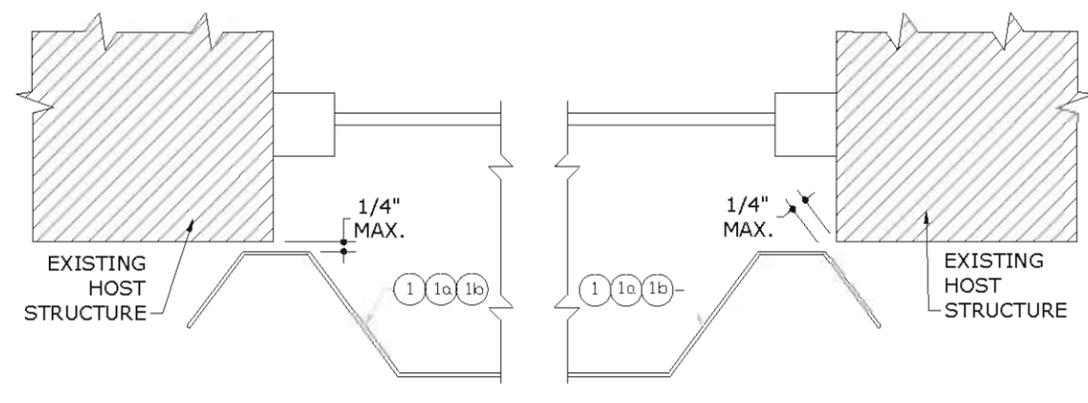
P STUD ANGLE THROUGH VENEER OVER STRUCTURAL BASE SECTION



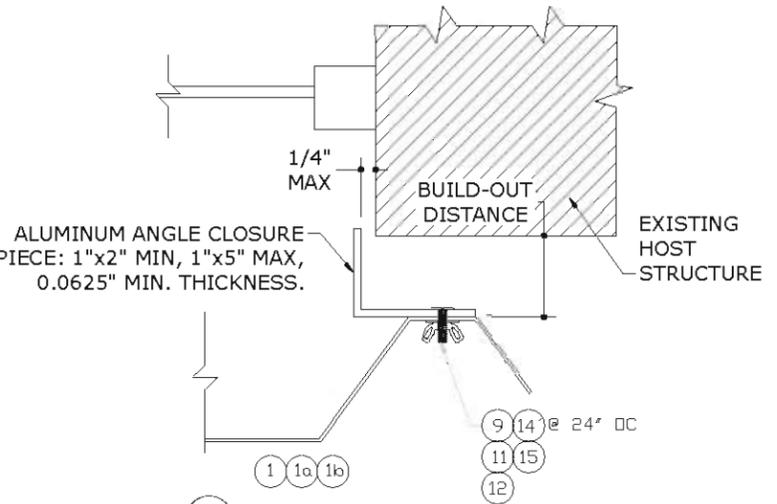
Q BUILD-OUT "F" TRACK THROUGH VENEER OVER STRUCTURAL BASE SECTION



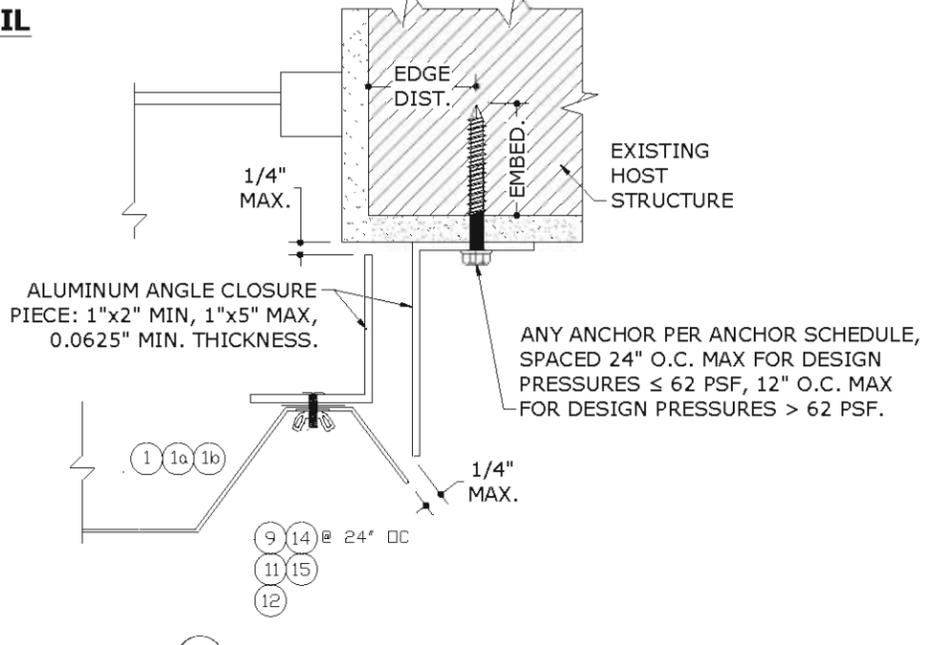
R TRAP MOUNT CLOSURE DETAIL



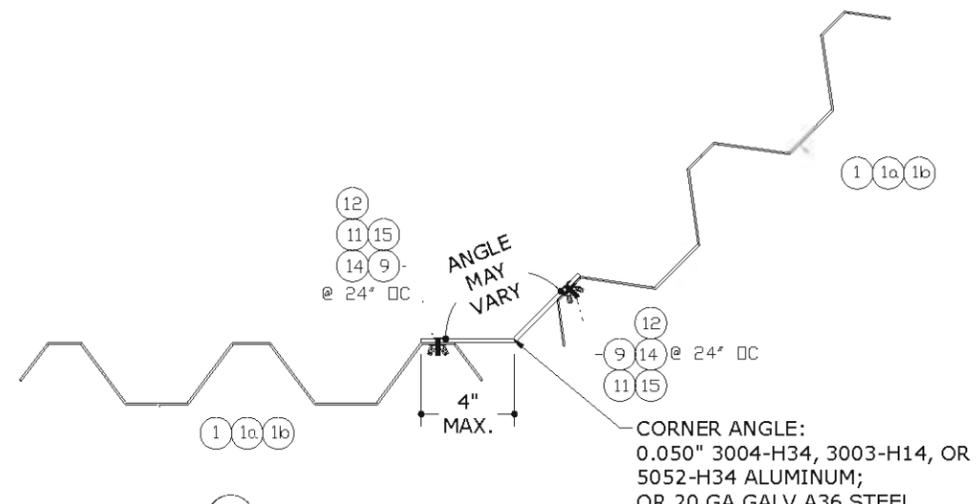
S WALL MOUNT CLOSURE DETAIL



T BUILD-OUT MOUNT CLOSURE DETAIL



U ALTERNATE CLOSURE DETAIL



V CORNER ANGLE DETAIL

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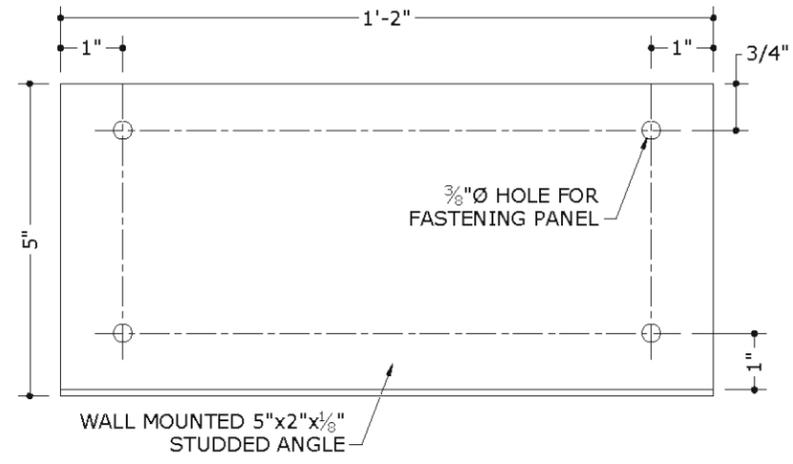
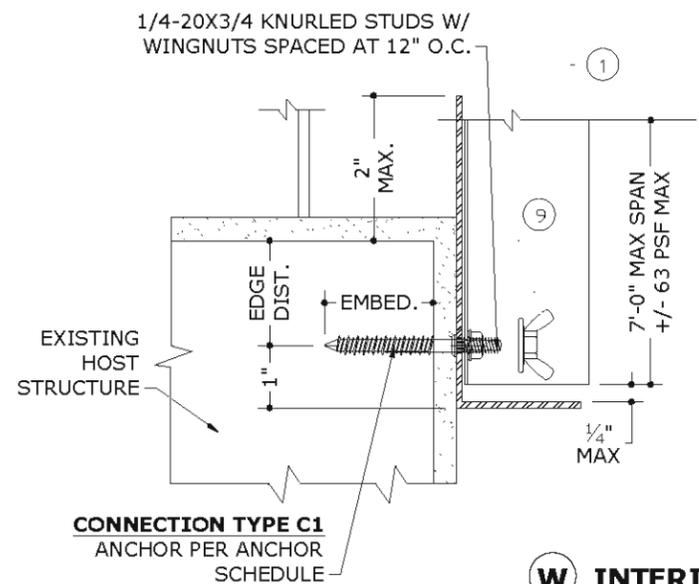
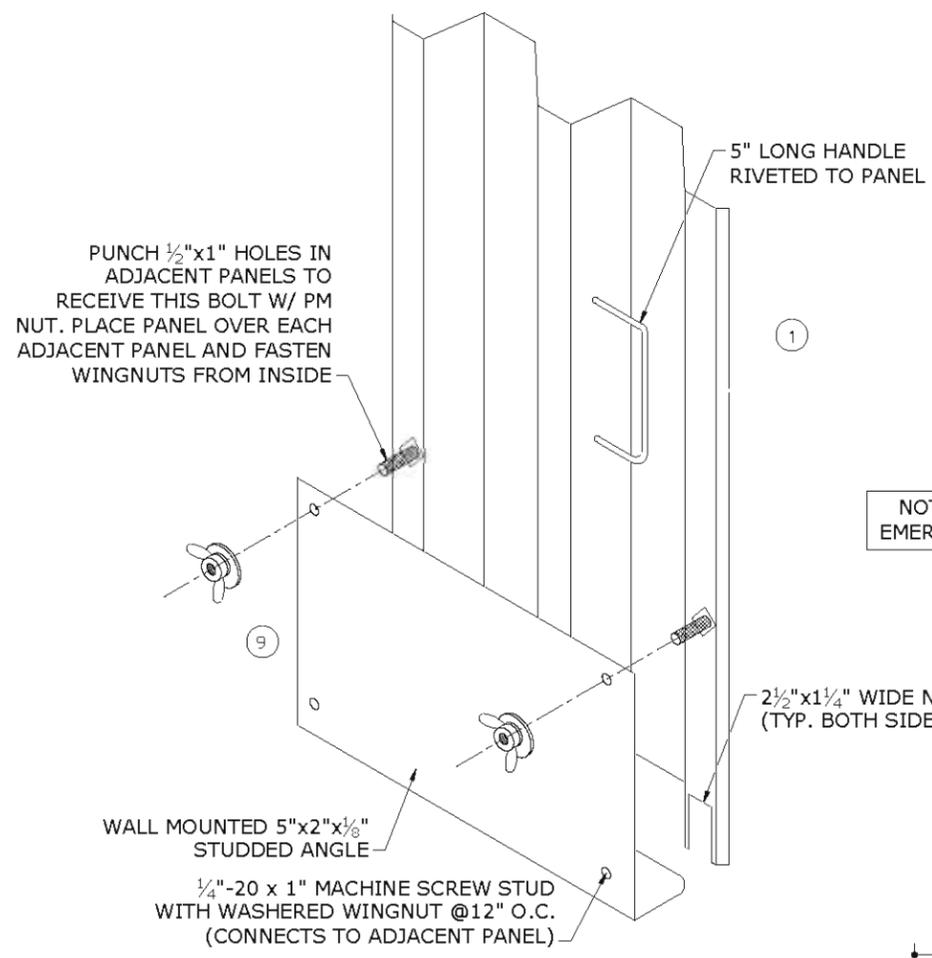
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5

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09/30/2020 - 2:32pm rickn



W INTERIOR FASTENING ANGLE ASSEMBLY

THESE DETAILS DEPICT THE CONNECTION OF ANY PANEL FOR AN OPENING WITH PANELS INSTALLED FROM INSIDE. USE OF THESE DETAILS SHALL BE IN CONJUNCTION WITH AN "H" HEADER OR "U" HEADER TOP MOUNT.

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REMARKS	DRWN	CHKD	DATE
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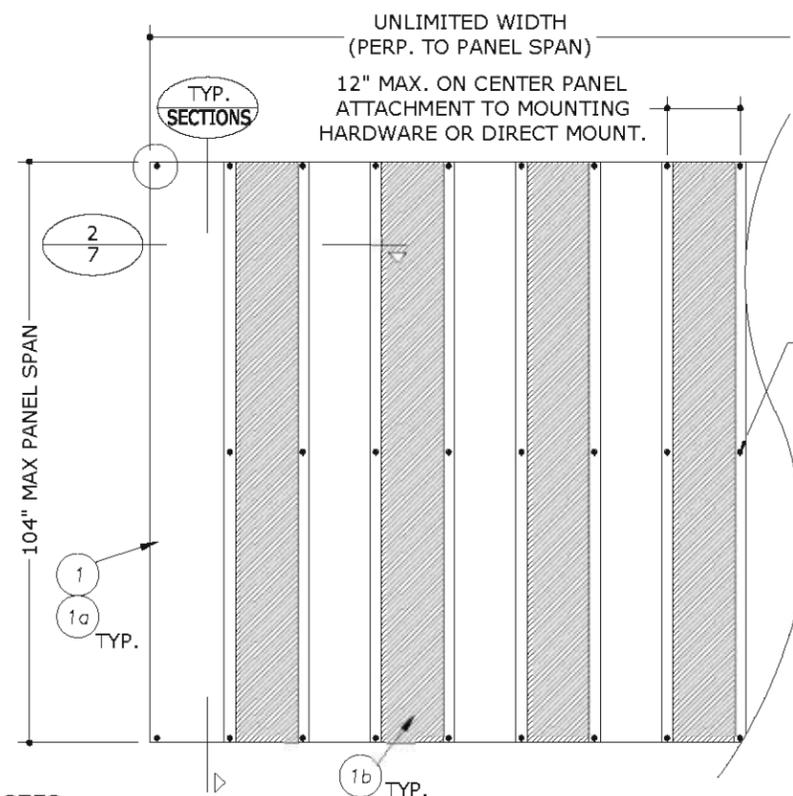
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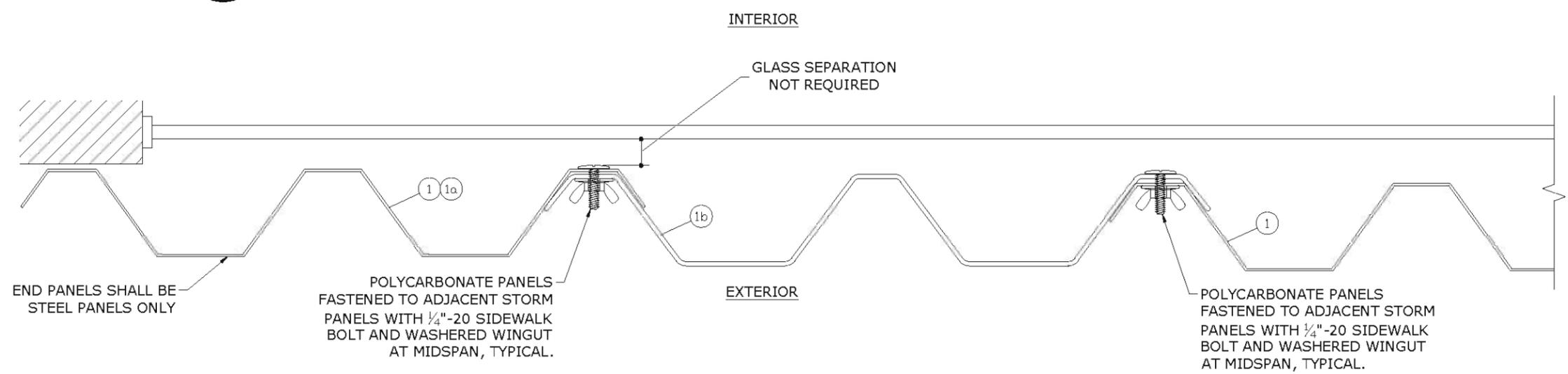
- NOTES:**
1. TOP MAY BE SLOPED OR RADIUS TO MATCH GEOMETRY OF OPENING. MOUNTING HARDWARE MUST BE ROLL-FORMED TO THE RADIUS; NO NOTCHING OF MOUNTING HARDWARE TO ACHIEVE SHAPES IS ALLOWED.
 2. STORM PANELS MAY BE MOUNTED VERTICALLY OR HORIZONTALLY.
 3. STEEL AND POLYCARBONATE PANELS SHALL ALTERNATE.
 4. END PANELS SHALL BE STEEL PANELS ONLY.

POLYCARBONATE PANELS FASTENED TO ADJACENT STORM PANELS WITH 1/4"-20 SIDEWALK BOLT AND WASHERED WINGUT AT MIDSPAN, TYPICAL.

TABLE 2		
ALLOWABLE SPAN SCHEDULE (STEEL WITH POLYCARB PANELS)		
PANEL SPAN	ALLOWABLE DESIGN PRESSURE	
106"	+ 33.3 PSF	- 33.3 PSF
102"	+ 35.7 PSF	- 35.7 PSF
96"	+ 39.8 PSF	- 39.8 PSF
90"	+ 44.7 PSF	- 44.7 PSF
84"	+ 50.6 PSF	- 50.6 PSF
78"	+ 57.9 PSF	- 57.9 PSF
72"	+ 67.0 PSF	- 67.0 PSF

- TABLE 2 NOTES:**
- LINEAR INTERPOLATION BETWEEN SHUTTER SPANS IS NOT PERMITTED. FOR SPANS BETWEEN THOSE INDICATED ABOVE, THE DESIGN PRESSURES FOR THE NEXT HIGHER SPAN SHALL BE USED.
 - DESIGN PRESSURES NOTED IN TABLE 2 APPLY TO ALL MOUNTING AND ANCHORAGE CONDITIONS AND SHALL NOT BE EXCEEDED.

1
7 TYPICAL ELEVATION WITH ALTERNATING STEEL AND POLYCARBONATE PANELS
N.T.S. EXTERIOR ELEV



2
7 TYPICAL SECTION WITH ALTERNATING STEEL AND POLYCARBONATE PANELS
N.T.S. HORIZ SECTION

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7 OF 10

ANCHOR SCHEDULES:

(SEE SHEET 10 FOR ANCHOR NOTES)

HOST STRUCT.	ANCHOR	LOAD (psf)	EDGE DISTANCES AS NOTED															
			Spans Up To 6'-0"					Spans Up To 8'-0"					Spans Up To 10'-0"					
			CONN TYPE					CONN TYPE					CONN TYPE					
			C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	
CONCRETE	1/4" ITW S.S. TAPCON WITH 1-3/4" EMBED AND 1" MIN. EDGE DISTANCE (3192 psi MIN CONCRETE)	35	16.0"	16.0"	16.0"	10.5"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
		46	16.0"	16.0"	16.0"	8.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
		57	16.0"	16.0"	16.0"	6.5"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
		67	16.0"	16.0"	16.0"	5.5"	16.0"	16.0"	15.3"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
		78	16.0"	16.0"	16.0"	4.7"	16.0"	16.0"	12.1"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
		89	16.0"	15.4"	16.0"	4.1"	13.2"	15.7"	10.0"	15.7"	3.0"	7.7"	12.6"	7.4"	12.6"	5.5"	5.5"	5.5"
		100	16.0"	12.8"	16.0"	3.6"	10.4"	14.0"	8.5"	14.0"	6.4"	11.2"	6.4"	10.8"	4.6"	4.6"	4.6"	4.6"
		35	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
		46	16.0"	16.0"	16.0"	13.1"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
		57	16.0"	16.0"	16.0"	10.6"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
67	16.0"	16.0"	16.0"	8.9"	16.0"	16.0"	15.1"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"		
78	16.0"	16.0"	16.0"	7.5"	16.0"	16.0"	11.9"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"		
89	16.0"	15.2"	16.0"	6.5"	13.0"	15.5"	9.9"	15.5"	4.8"	7.6"	12.4"	7.3"	12.4"	5.4"	5.4"	5.4"		
100	16.0"	12.7"	16.0"	5.8"	10.3"	13.8"	8.4"	13.8"	4.3"	6.3"	11.0"	6.3"	10.7"	4.6"	4.6"	4.6"		
CONCRETE	1/4" DEWALT ULTRACON WITH 1-3/4" EMBED AND 1" MIN. EDGE DISTANCE (2700 psi MIN CONCRETE)	35	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	
		46	16.0"	16.0"	16.0"	13.1"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	
		57	16.0"	16.0"	16.0"	10.6"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	
		67	16.0"	16.0"	16.0"	8.9"	16.0"	16.0"	15.1"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	
		78	16.0"	16.0"	16.0"	7.5"	16.0"	16.0"	11.9"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	
		89	16.0"	15.2"	16.0"	6.5"	13.0"	15.5"	9.9"	15.5"	4.8"	7.6"	12.4"	7.3"	12.4"	5.4"	5.4"	
		100	16.0"	12.7"	16.0"	5.8"	10.3"	13.8"	8.4"	13.8"	4.3"	6.3"	11.0"	6.3"	10.7"	4.6"	4.6"	4.6"
		35	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
		46	16.0"	16.0"	16.0"	13.1"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
		57	16.0"	16.0"	16.0"	10.6"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
67	16.0"	16.0"	16.0"	8.9"	16.0"	16.0"	15.1"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"		
78	16.0"	16.0"	16.0"	7.5"	16.0"	16.0"	11.9"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"		
89	16.0"	15.2"	16.0"	6.5"	13.0"	15.5"	9.9"	15.5"	4.8"	7.6"	12.4"	7.3"	12.4"	5.4"	5.4"			
100	16.0"	12.7"	16.0"	5.8"	10.3"	13.8"	8.4"	13.8"	4.3"	6.3"	11.0"	6.3"	10.7"	4.6"	4.6"	4.6"		
CONCRETE	1/4" ITW SAMMYS SSC W/ 2-1/4" MIN EMBED AND 1-1/4" MIN. EDGE DISTANCE (3295 psi MIN CONCRETE)	35	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	
		46	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	
		57	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	
		67	16.0"	16.0"	16.0"	13.6"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	
		78	16.0"	16.0"	16.0"	11.5"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	
		89	16.0"	16.0"	16.0"	10.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	
		100	16.0"	16.0"	16.0"	8.8"	16.0"	16.0"	13.6"	16.0"	6.5"	10.2"	16.0"	10.1"	16.0"	5.2"	7.4"	7.4"
		35	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
		46	16.0"	16.0"	16.0"	13.6"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
		57	16.0"	16.0"	16.0"	10.4"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
67	16.0"	16.0"	16.0"	8.4"	16.0"	16.0"	14.3"	16.0"	6.1"	13.4"	13.8"	9.8"	13.8"	4.8"	8.1"	8.1"		
78	16.0"	16.0"	16.0"	7.0"	16.0"	16.0"	14.7"	10.8"	5.1"	9.2"	11.7"	7.7"	11.7"	4.0"	6.0"	6.0"		
89	14.7"	10.9"	14.7"	5.1"	9.3"	11.1"	7.0"	11.1"	3.8"	5.4"	8.8"	5.2"	8.8"	3.9"	3.9"	3.9"		
100	13.1"	9.0"	13.1"	4.5"	7.4"	9.8"	6.0"	9.8"	3.3"	4.5"	7.9"	4.5"	7.6"	3.3"	3.3"	3.3"		
CONCRETE	1/4-20 ALL POINTS SOLID-SET WITH 7/8" MIN EMBED AND 1-1/4" MIN. EDGE DISTANCE (3000 psi MIN CONCRETE)	35	16.0"	16.0"	16.0"	13.6"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	
		46	16.0"	16.0"	16.0"	10.4"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	
		57	16.0"	16.0"	16.0"	8.4"	16.0"	16.0"	14.3"	16.0"	6.1"	13.4"	13.8"	9.8"	13.8"	4.8"	8.1"	
		67	16.0"	16.0"	16.0"	7.0"	16.0"	16.0"	14.7"	10.8"	5.1"	9.2"	11.7"	7.7"	11.7"	4.0"	6.0"	
		78	16.0"	13.6"	16.0"	5.9"	12.5"	12.6"	8.5"	12.6"	4.3"	6.8"	10.1"	6.2"	10.1"	3.4"	4.7"	
		89	14.7"	10.9"	14.7"	5.1"	9.3"	11.1"	7.0"	11.1"	3.8"	5.4"	8.8"	5.2"	8.8"	3.9"	3.9"	
		100	13.1"	9.0"	13.1"	4.5"	7.4"	9.8"	6.0"	9.8"	3.3"	4.5"	7.9"	4.5"	7.6"	3.3"	3.3"	
		35	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
		46	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
		57	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
67	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"		
78	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"		
89	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"		
100	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"		
CONCRETE	1/4" DEWALT TAPPER WITH 1-3/4" MIN EMBED AND 1-1/2" MIN. EDGE DISTANCE (3000 psi MIN CONCRETE)	35	16.0"	16.0"	16.0"	11.3"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	
		46	16.0"	16.0"	16.0"	8.6"	16.0"	16.0"	12.4"	16.0"	6.4"	12.4"	9.9"	8.1"	9.9"	4.9"	7.6"	
		57	13.3"	13.3"	13.3"	6.9"	13.3"	10.0"	8.3"	10.0"	5.0"	7.7"	8.0"	5.7"	8.0"	3.9"	4.7"	
		67	11.3"	10.5"	11.3"	5.8"	11.2"	8.5"	6.3"	8.5"	4.2"	5.3"	6.8"	4.4"	6.8"	3.3"	3.5"	
		78	9.7"	7.9"	9.7"	4.9"	7.3"	7.3"	4.9"	7.3"	3.5"	4.0"	5.8"	3.6"	5.8"			
		89	8.5"	6.3"	8.5"	4.2"	5.4"	6.4"	4.1"	6.4"	3.0"	3.2"	5.1"	3.0"	5.1"			
		100	7.6"	5.2"	7.6"	3.7"	4.3"	5.7"	3.5"	5.7"			4.6"		4.4"			
		35	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
		46	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
		57	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
67	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"		
78	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"		
89	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"		
100	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"		

HOST STRUCT.	ANCHOR	LOAD (psf)	EDGE DISTANCES AS NOTED															
			Spans Up To 6'-0"					Spans Up To 8'-0"					Spans Up To 10'-0"					
			CONN TYPE					CONN TYPE					CONN TYPE					
			C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	
CONCRETE	1/4" MILLENIUM MILLFAST WITH 1-3/4" EMBED AND 2-1/2" EDGE DISTANCE (3275psi MIN CONCRETE)	35	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
		46	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
		57	16.0"	16.0"	16.0"	15.7"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
		67	16.0"	16.0"	16.0"	13.1"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
		78	16.0"	16.0"	16.0"	11.0"	16.0"	16.0"	11.3"	16.0"	8.0"	9.1"	13.4"	8.2"				

ANCHOR SCHEDULES (CONTINUED):

HOST STRUCT.	ANCHOR	LOAD (psf)	EDGE DISTANCES AS NOTED														
			Spans Up To 6'-0"					Spans Up To 8'-0"					Spans Up To 10'-0"				
			CONN TYPE					CONN TYPE					CONN TYPE				
C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5			
HOLLOW CONCRETE BLOCK	1/4" ITW S.S. TAPCON WITH 1-1/4" MIN. EMBED AND 2-1/2" MIN. EDGE DISTANCE	35	14.6"	14.6"	14.6"	9.1"	14.6"	11.0"	11.0"	11.0"	6.8"	11.0"	8.8"	8.8"	8.8"	5.5"	8.8"
		46	11.1"	11.1"	11.1"	6.9"	11.1"	8.3"	8.3"	8.3"	5.2"	8.3"	6.7"	5.5"	6.7"	4.0"	5.1"
		57	9.0"	9.0"	9.0"	5.6"	9.0"	6.7"	5.6"	6.7"	4.0"	5.2"	5.4"	3.8"	5.4"	3.1"	3.2"
		67	7.6"	7.1"	7.6"	4.6"	7.5"	5.7"	4.2"	5.7"	3.3"	3.6"	4.6"		4.6"		
		78	6.6"	5.3"	6.6"	3.9"	4.9"	4.9"	3.3"	4.9"			3.9"		3.9"		
		89	5.8"	4.2"	5.8"	3.3"	3.6"	4.3"		4.3"			3.5"		3.5"		
		100	5.1"	3.5"	5.1"			3.8"		3.8"			3.1"				
		35	16.0"	16.0"	16.0"	8.3"	16.0"	12.0"	12.0"	12.0"	6.2"	12.0"	9.6"	9.6"	9.6"	5.0"	9.6"
		46	12.2"	12.2"	12.2"	6.3"	12.2"	9.1"	9.1"	9.1"	4.7"	9.1"	7.3"	6.0"	7.3"		5.6"
		57	9.8"	9.8"	9.8"	5.1"	9.8"	7.4"	6.1"	7.4"		5.7"	5.9"	4.2"	5.9"		
67	8.4"	7.8"	8.4"	4.2"	8.2"	6.3"	4.6"	6.3"			5.0"		5.0"				
78	7.2"	5.8"	7.2"		5.3"			5.4"			4.3"		4.3"				
89	6.3"	4.6"	6.3"			4.7"		4.7"									
100	5.6"		5.6"			4.2"		4.2"									
HOLLOW CONCRETE BLOCK	1/4" DEWALT ULTRACON WITH 1-1/4" MIN. EMBED AND 2-1/2" MIN. EDGE DISTANCE	35	16.0"	16.0"	16.0"	11.7"	16.0"	16.0"	16.0"	8.8"	16.0"	14.4"	14.4"	14.4"	7.0"	14.4"	
		46	16.0"	16.0"	16.0"	8.9"	16.0"	13.7"	13.7"	13.7"	6.6"	13.7"	11.0"	9.0"	11.0"	5.1"	8.4"
		57	14.7"	14.7"	14.7"	7.2"	14.7"	11.1"	9.1"	11.1"	5.2"	8.6"	8.8"	6.3"	8.8"	4.0"	5.2"
		67	12.5"	11.6"	12.5"	6.0"	12.4"	9.4"	6.9"	9.4"	4.3"	5.9"	7.5"	4.9"	7.5"		
		78	10.8"	8.7"	10.8"	5.0"	8.0"	8.1"	5.5"	8.1"		4.4"	6.5"		6.5"		
		89	9.4"	7.0"	9.4"	4.3"	5.9"	7.1"	4.5"	7.1"			5.7"		5.7"		
		100	8.4"	5.8"	8.4"		4.7"	6.3"		6.3"			5.0"		4.9"		
		35	16.0"	16.0"	16.0"	15.9"	16.0"	16.0"	16.0"	16.0"	11.9"	16.0"	16.0"	16.0"	16.0"	9.6"	16.0"
		46	16.0"	16.0"	16.0"	12.1"	16.0"	16.0"	16.0"	16.0"	9.1"	16.0"	16.0"	16.0"	16.0"	7.1"	15.5"
		57	16.0"	16.0"	16.0"	9.8"	16.0"	16.0"	16.0"	16.0"	7.1"	15.8"	16.0"	11.6"	16.0"	5.6"	9.6"
67	16.0"	16.0"	16.0"	8.2"	16.0"	16.0"	12.8"	16.0"	6.0"	10.9"	13.9"	9.1"	13.9"	4.7"	7.1"		
78	16.0"	16.0"	16.0"	6.9"	14.8"	14.9"	10.1"	14.9"	5.1"	8.1"	11.9"	7.3"	11.9"	4.0"	5.6"		
89	16.0"	12.8"	16.0"	6.0"	11.0"	13.1"	8.3"	13.1"	4.4"	6.4"	10.5"	6.2"	10.5"	3.5"	4.6"		
100	15.5"	10.7"	15.5"	5.3"	8.7"	11.6"	7.1"	11.6"	3.9"	5.4"	9.3"	5.3"	9.0"	3.1"	3.9"		
HOLLOW CONCRETE BLOCK	1/4-20 ALL POINTS SOLID-SET WITH 7/8" MIN EMBED AND 2" MIN. EDGE DISTANCE	35	16.0"	16.0"	16.0"	13.4"	16.0"	16.0"	16.0"	10.1"	16.0"	16.0"	16.0"	8.1"	16.0"		
		46	16.0"	16.0"	16.0"	10.2"	16.0"	16.0"	16.0"	7.6"	16.0"	14.9"	12.2"	14.9"	5.9"	11.4"	
		57	16.0"	16.0"	16.0"	8.2"	16.0"	15.1"	12.4"	15.1"	6.0"	11.7"	12.1"	8.5"	12.1"	4.7"	7.1"
		67	16.0"	15.9"	16.0"	6.9"	16.0"	12.8"	9.4"	12.8"	5.0"	8.0"	10.3"	6.7"	10.3"	3.9"	5.3"
		78	14.7"	11.9"	14.7"	5.8"	10.9"	11.0"	7.4"	11.0"	4.3"	6.0"	8.8"	5.4"	8.8"	3.4"	4.1"
		89	12.9"	9.5"	12.9"	5.0"	8.1"	9.7"	6.1"	9.7"	3.7"	4.8"	7.7"	4.5"	7.7"		3.4"
		100	11.5"	7.9"	11.5"	4.4"	6.4"	8.6"	5.2"	8.6"	3.3"	4.0"	6.9"	3.9"	6.7"		
		35	15.4"	15.4"	15.4"	6.6"	15.4"	11.5"	11.5"	11.5"	5.0"	11.5"	9.2"	9.2"	9.2"		9.2"
		46	11.7"	11.7"	11.7"	5.1"	11.7"	8.8"	8.8"	8.8"		8.8"	7.0"	5.7"	7.0"		5.4"
		57	9.4"	9.4"	9.4"	4.1"	9.4"	7.1"	5.8"	7.1"		5.5"	5.7"	4.0"	5.7"		
67	8.0"	7.5"	8.0"		7.9"	6.0"	4.4"	6.0"		4.8"	4.8"		4.8"				
78	6.9"	5.6"	6.9"		5.1"	5.2"		5.2"		4.1"	4.1"		4.1"				
89	6.0"	4.4"	6.0"			4.5"		4.5"									
100	5.4"		5.4"			4.0"		4.0"									
HOLLOW CONCRETE BLOCK	1/4" MILLENNIUM MILLFAST ANCHOR W/ 1-1/4" EMBED AND 2-1/2" EDGE DISTANCE	35	16.0"	16.0"	16.0"	10.0"	16.0"	12.7"	12.7"	12.7"	7.5"	12.7"	10.1"	10.1"	10.1"	6.0"	10.1"
		46	12.9"	12.9"	12.9"	7.6"	12.9"	9.7"	9.7"	9.7"	5.7"	9.7"	7.7"	6.3"	7.7"	4.4"	5.9"
		57	10.4"	10.4"	10.4"	6.2"	10.4"	7.8"	6.4"	7.8"	4.4"	6.0"	6.2"	4.4"	6.2"		
		67	8.8"	8.2"	8.8"	5.1"	8.7"	6.6"	4.9"	6.6"		4.1"	5.3"		5.3"		
		78	7.6"	6.1"	7.6"	4.3"	5.6"	5.7"		5.7"			4.6"		4.6"		
		89	6.7"	4.9"	6.7"		4.2"	5.0"		5.0"							
		100	5.9"	4.1"	5.9"			4.4"		4.4"							
		35	16.0"	16.0"	16.0"	12.2"	16.0"	16.0"	16.0"	16.0"	9.2"	16.0"	15.8"	15.8"	15.8"	7.3"	15.8"
		46	16.0"	16.0"	16.0"	9.3"	16.0"	15.0"	15.0"	15.0"	6.9"	15.0"	12.0"	9.8"	12.0"	5.4"	9.2"
		57	16.0"	16.0"	16.0"	7.5"	16.0"	12.1"	10.0"	12.1"	5.4"	9.4"	9.7"	6.9"	9.7"	4.2"	5.7"
67	13.7"	12.8"	13.7"	6.3"	13.5"	10.3"	7.6"	10.3"	4.5"	6.5"	8.2"	5.4"	8.2"	3.6"	4.2"		
78	11.8"	9.5"	11.8"	5.3"	8.8"	8.9"	6.0"	8.9"	3.8"	4.8"	7.1"	4.3"	7.1"	3.0"	3.3"		
89	10.3"	7.6"	10.3"	4.6"	6.5"	7.8"	4.9"	7.8"	3.3"	3.8"	6.2"	3.6"	6.2"				
100	9.2"	6.3"	9.2"	4.0"	5.2"	6.9"	4.2"	6.9"		3.2"	5.5"	3.1"	5.4"				
HOLLOW CONCRETE BLOCK	1/4" EA MALE BOLT, 1-1/4" EMBED AND 1.25" EDGE DISTANCE	35	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	13.4"	16.0"	16.0"	16.0"	16.0"	10.7"	16.0"	
		46	16.0"	16.0"	16.0"	13.6"	16.0"	16.0"	16.0"	16.0"	10.2"	16.0"	16.0"	15.6"	16.0"	7.9"	14.5"
		57	16.0"	16.0"	16.0"	11.0"	16.0"	16.0"	15.8"	16.0"	8.0"	14.8"	15.3"	10.8"	15.3"	6.2"	9.0"
		67	16.0"	16.0"	16.0"	9.2"	16.0"	16.0"	12.0"	16.0"	6.7"	10.2"	13.0"	8.5"	13.0"	5.2"	6.7"
		78	16.0"	15.1"	16.0"	7.7"	13.9"	14.0"	9.4"	14.0"	5.6"	7.6"	11.2"	6.9"	11.2"	4.4"	5.2"
		89	16.0"	12.0"	16.0"	6.7"	10.3"	12.3"	7.8"	12.3"	4.9"	6.0"	9.8"	5.8"	9.8"		4.3"
		100	14.6"	10.0"	14.6"	5.9"	8.2"	10.9"	6.6"	10.9"	4.3"	5.0"	8.7"	5.0"	8.5"		

HOST STRUCT.	ANCHOR	LOAD (psf)	EDGE DISTANCES AS NOTED														
			Spans Up To 6'-0"					Spans Up To 8'-0"					Spans Up To 10'-0"				
			CONN TYPE					CONN TYPE					CONN TYPE				
C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5			
HOLLOW CONCRETE BLOCK	1/4" ITW S.S. TAPCON WITH 1-1/4" MIN. EMBED AND 1" MIN. EDGE DISTANCE	35	10.7"	10.7"	10.7"	4.8"	10.7"	8.0"	8.0"	8.0"	3.6"	8.0"	6.4"	6.4"	6.4"	6.4"	
		46	8.1"	8.1"	8.1"	3.6"	8.1"	6.1"	6.1"	6.1"		6.1"	4.9"	4.0"	4.9"	3.7"	
		57	6.6"	6.6"	6.6"		6.6"	4.9"	4.1"	4.9"		3.8"	3.9"		3.9"		
		67	5.6"	5.2"	5.6"		5.5"	4.2"	3.1"	4.2"		3.4"			3.4"		
		78	4.8"	3.9"	4.8"		3.6"	3.6"		3.6"							
		89	4.2"	3.1"	4.2"			3.2"		3.2"							
		100	3.7"		3.7"												
		35	16.0"	16.0"	16.0"	8.9"	16.0"	12.0"	12.0"	12.0"	6.7"	12.0"	9.6"	9.6"	9.6"	5.4"	9.6"
		46	12.2"	12.2"	12.2"	6.8"	12.2"	9.1"	9.1"	9.1"	5.1"	9.1"	7.3"	6.0"	7.3"		5.6"
		57	9.8"	9.8"	9.8"	5.5"	9.8"	7.4"	6.1"	7.4"		5.7"	5.9"	4.2"	5.9"		
67	8.4"	7.8"	8.4"	4.6"	8.2"	6.3"	4.6"	6.3"			5.0"		5.0"				
78	7.2"	5.8"	7.2"		5.3"	5.4"		5.4"			4.3"		4.3"				
89	6.3"	4.6"	6.3"			4.7"		4.7"									
100	5.6"		5.6"			4.2"		4.2"									
HOLLOW CONCRETE BLOCK	1/4" DEWALT PANELMATE (MALE OR PLUS) W/ 1-1/4" MIN EMBED AND 2" MIN. EDGE DISTANCE	35	16.0"	16.0"	16.0"	12.3"	16.0"	16.0"	16.0"	9.2"	16.0"	15.0"	15.0"	15.0"	7.4"	15.0"	
		46	16.0"	16.0"	16.0"	9.4"	16.0"	14.2"	14.2"	14.2"	7.0"	14.2"	11.4"	9.3"	11.4"	5.4"	8.7"
		57	15.3"	15.3"	15.3"	7.5"	15.3"	11.5"	9.5"	11.5"	5.5"	8.9"	9.2"	6.5"	9.2"	4.3"	5.4"
		67	13.0"	12.1"	13.0"	6.3"	12.8"	9.8"	7.2"	9.8"		4.6"	6.1"	7.8"	5.1"	7.8"	4.0"
		78	11.2"	9.0"	11.2"	5.3"	8.3"	8.4"	5.7"	8.4"		4.6"	6.7"	4.1"	6.7"		
		89	9.8"	7.2"	9.8"	4.6"	6.2"	7.4"	4.7"	7.4"			5.9"		5.9"		
		100	8.7"	6.0"	8.7"	4.0"	4.9"	6.5"		6.5"			5.2"		5.1"		
		35	16.0"	16.0"	16.0"	9.6"	16.0"	16.0"	16.0"	16.0"	7.2"	16.0"	16.0"	16.0"	16.0"	5.8"	16.0"
		46	16.0"	16.0"	16.0"	7.3"	16.0"	16.0"	16.0"	16.0"	5.5"	16.0"	16.0"	16.0"	16.0"	4.3"	15.5"
		57	16.0"	16.0"	16.0"	5.9"	16.0"	16.0"	16.0"	16.0"	4.4"	15.8"	16.0"	11.6"	16.0"	3.4"	9.6"
67	16.0"	16.0"	16.0"	5.0"	16.0"	16.0"	12.8"	16.0"	3.7"	10.9"	13.9"	9.1"	13.9"		7.1"		
78	16.0"	16.0"	16.0"	4.2"	14.8"	14.9"	10.1"	14.9"	3.1"	8.1"	11						

