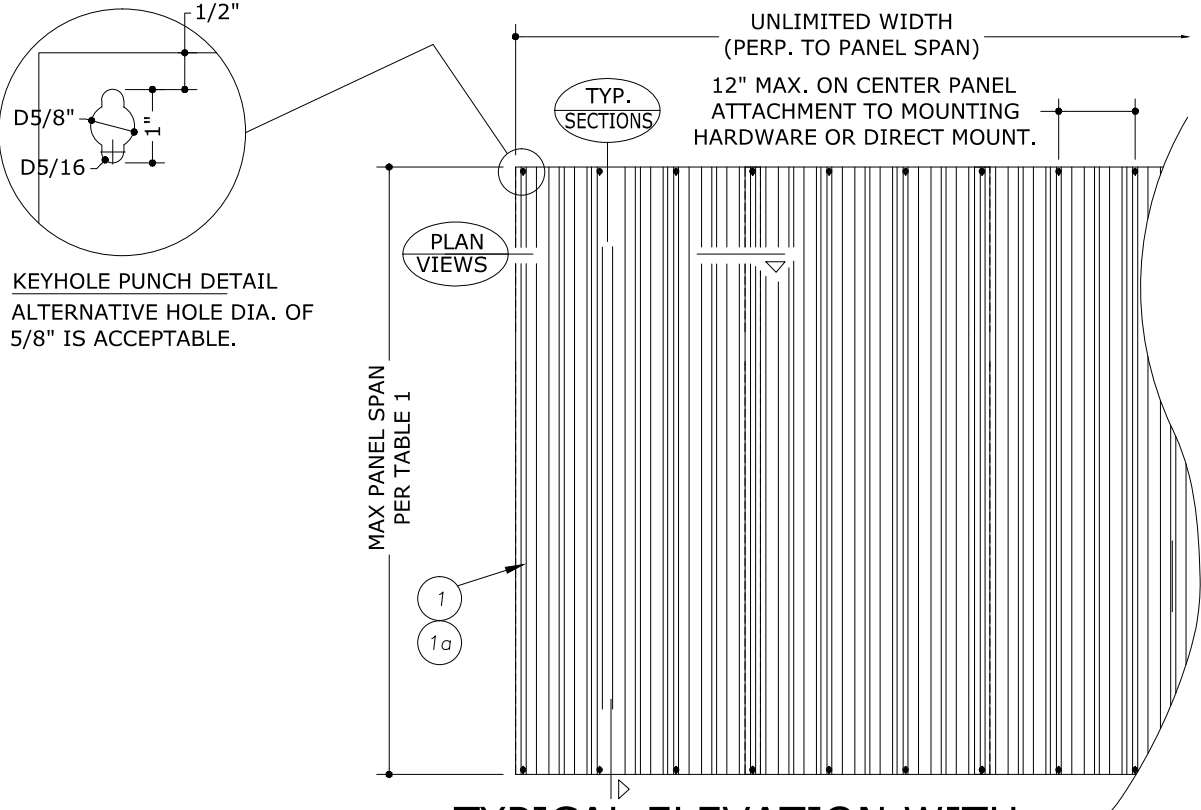


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0.050" ALUMINUM STORM PANEL

FOR USE OUTSIDE THE HVHZ



KEYHOLE PUNCH DETAIL
ALTERNATIVE HOLE DIA. OF
5/8" IS ACCEPTABLE.

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.



TYPICAL ELEVATION WITH ALUMINUM PANELS ONLY

1 N.T.S. 1 EXTERIOR ELEV

GENERAL NOTES

- THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE SEVENTH EDITION (2020), THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL RESIDENTIAL CODE (IRC) FOR USE OUTSIDE THE HIGH VELOCITY HURRICANE ZONE. SEE PRODUCT EVALUATION REPORT FOR ADDITIONAL INFORMATION.
- NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR Cd=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 REQUIRED FOR WIND ZONES 1-3, IN ACCORDANCE WITH ASTM E1996. IT IS ACCEPTABLE BY CODE UNLESS OPTIONAL CRITERIA IS INDEPENDENTLY ADOPTED BY THE AUTHORITY HAVING JURISDICTION.
- 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.
- ALUMINUM STORM PANELS SHALL BE 5052-H32 OR 3004-H34 ALUMINUM ALLOY, TESTED THICKNESS 0.0495".
- ALL POLYCARBONATE PANELS SHALL BE MANUFACTURED BY TRANSPARENT PROTECTION SYSTEMS, Inc.
- ALL POLYCARB PANELS SHALL BE EXTRUDED WITH THICKNESS t=0.100" (±0.010") AND SHALL BE MANUFACTURED FROM 100% SYNTHETIC THERMOPLASTIC POLYMER RESIN (UV STABILIZED). TYPICAL TENSILE STRENGTH Fy=8,908 KSI, FLEXURAL STRENGTH Fby=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.

ANCHOR NOTES:

- ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
- WHERE ANCHORS FASTEN TO NARROW FACE OF STUD FRAMING, ANCHOR SHALL BE LOCATED IN CENTER OF NOMINAL 2x (MIN) WOOD STUD (i.e. 3/4" EDGE DISTANCE IS ACCEPTABLE FOR ANCHORS TO WOOD FRAMING).
- ALL CONCRETE ANCHORS SHALL BE INSTALLED TO NON-CRACKED CONCRETE ONLY.
- MINIMUM EMBEDMENT AND EDGE DISTANCE SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
- ANCHOR SCHEDULE APPLIES TO ALL PRODUCTS CERTIFIED HEREIN, BUT ONLY PROVIDES MAXIMUM ALLOWABLE ANCHOR SPACING. MAXIMUM ALLOWABLE SPANS AND PRESSURES INDICATED IN SPAN SCHEDULE(S) SHALL APPLY.
- WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT INTO PLYWOOD.
- MACHINE SCREWS SHALL HAVE MINIMUM OF 1/2" ENGAGEMENT OF THREADS IN BASE ANCHOR AND MAY HAVE EITHER A PAN HEAD, TRUSS HEAD, OR WAFER HEAD ("SIDEWALK BOLT") U.N.O.
- DESIGNATES ANCHOR CONDITIONS WHICH ARE NOT ACCEPTABLE FOR USE.
- DESIGNATES ANCHORS WHICH ARE REMOVABLE AND MAY BE USED FOR DIRECT MOUNT INSTALLATIONS.
- WHEN ANCHORING TO HOLLOW BLOCK, SDS DRILLS SHOULD NOT BE USED TO DRILL INTO HOLLOW BLOCK, NOR SHOULD IMPACT DRILLS BE USED TO INSTALL CONCRETE SCREWS TO HOLLOW BLOCK

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& MORE INFORMATION ABOUT THIS DOCUMENT
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FOR ADDITIONAL PLANS, REPORTS & RESOURCES



TABLE 1

ALLOWABLE SPAN SCHEDULE (WITH
ALUMINUM PANELS ONLY)

PANEL SPAN	ALLOWABLE DESIGN PRESSURE	
144"	+ 33.0 PSF	- 35.0 PSF
138"	+ 35.9 PSF	- 38.1 PSF
132"	+ 39.3 PSF	- 41.7 PSF
126"	+ 43.1 PSF	- 45.7 PSF
120"	+ 47.5 PSF	- 50.4 PSF
114"	+ 52.7 PSF	- 55.8 PSF
108"	+ 58.7 PSF	- 62.2 PSF
102"	+ 65.8 PSF	- 69.8 PSF
96"	+ 74.3 PSF	- 75.0 PSF
90"	+ 80.0 PSF	- 80.0 PSF
84"	+ 85.7 PSF	- 85.7 PSF
78"	+ 92.3 PSF	- 92.3 PSF
72"	+ 100.0 PSF	- 100.0 PSF
66"	+ 109.1 PSF	- 109.1 PSF
60"	+ 120.0 PSF	- 120.0 PSF

TABLE 1 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 1 APPLY TO ALL MOUNTING AND ANCHORAGE CONDITIONS AND SHALL NOT BE EXCEEDED.

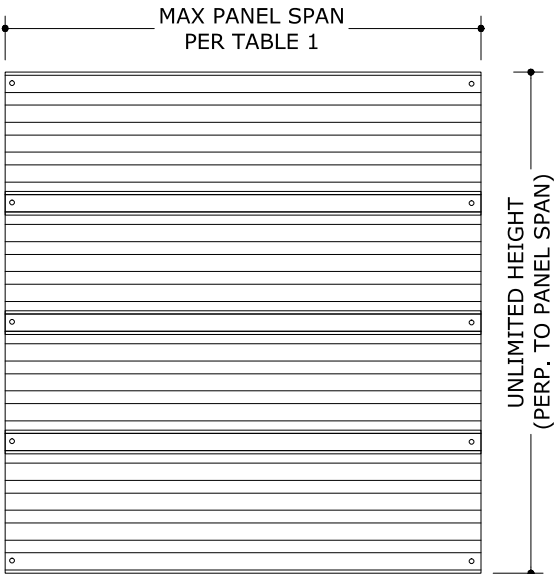
TABLE 2

MINIMUM GLAZING SEPARATION WITH
ALUMINUM PANELS ONLY

PANEL SPAN	INSTALLATIONS ≤ 30' ABOVE GRADE	INSTALLATIONS > 30' ABOVE GRADE
144"	6.4"	3.9"
138"	6.4"	3.8"
132"	6.4"	3.7"
126"	6.4"	3.5"
120"	6.4"	3.4"
114"	6.4"	3.3"
108"	6.4"	3.1"
96"	3.5"	2.9"
90"	3.5"	2.6"
84"	3.5"	2.4"
78"	3.5"	2.2"
72"	3.5"	2.0"
66"	3.5"	1.8"
60"	3.5"	1.7"

TABLE 2 NOTES:

- SEPARATION FROM GLAZING IS REQUIRED **ONLY** IN WIND ZONE 4 UNLESS LOCAL AUTHORITY ADOPTS ADDITIONAL CRITERIA.
- LINEAR INTERPOLATION BETWEEN SHUTTER SPANS IS NOT PERMITTED. FOR SPANS BETWEEN THOSE INDICATED ABOVE, THE SEPARATION FROM GLASS FOR THE NEXT HIGHER SPAN SHALL BE USED.



OPTIONAL HORIZONTAL MOUNT

2 N.T.S. 1 EXTERIOR ELEV

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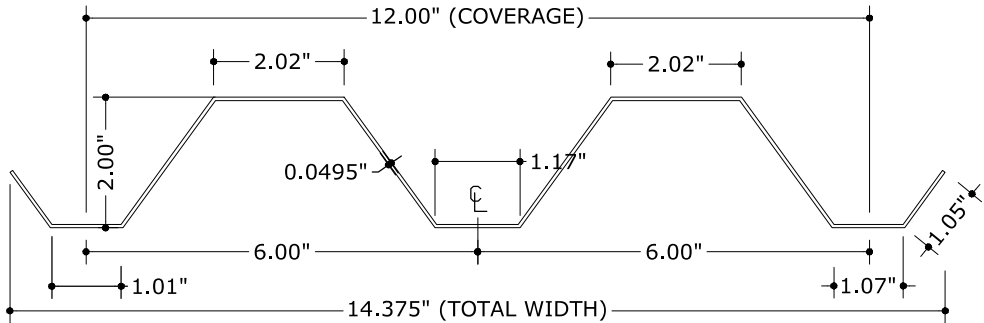
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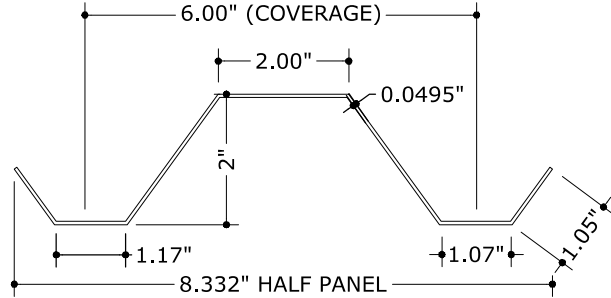
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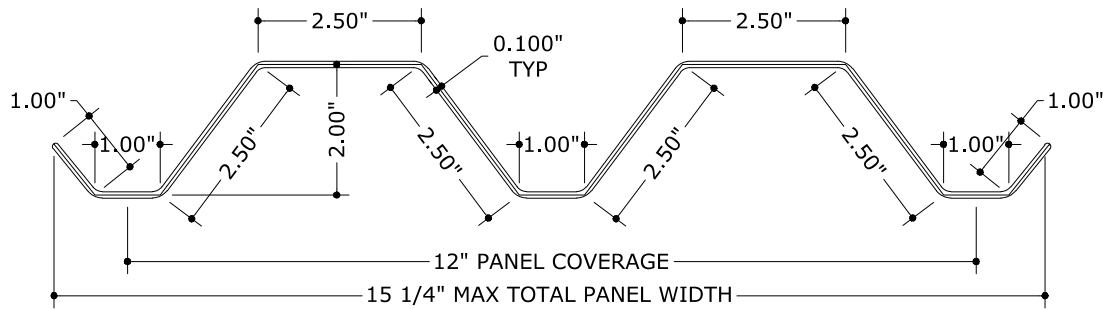


1 ALUMINUM STORM PANEL

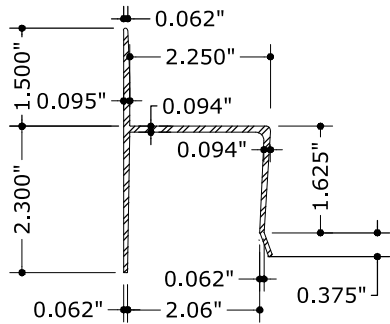


1a ALUMINUM HALF STORM PANEL

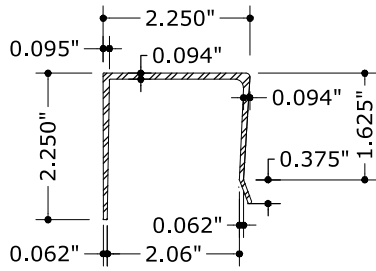
NOTE: HALF STORM PANEL SHALL ONLY BE USED AS AN END PANEL TO CLOSE THE REMAINING OPENING THAT MAY BE LESS THAN FULL PANEL WIDTH



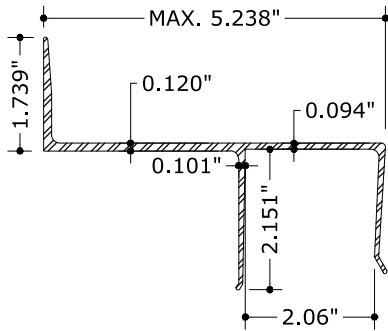
1b POLYCARBONATE STORM PANEL



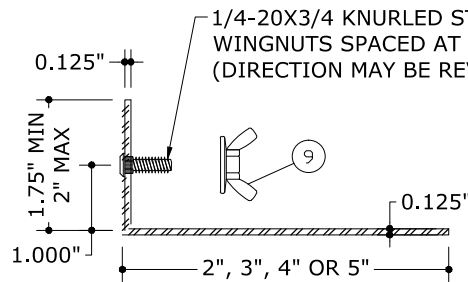
2 "H" HEADER



3 "U" HEADER

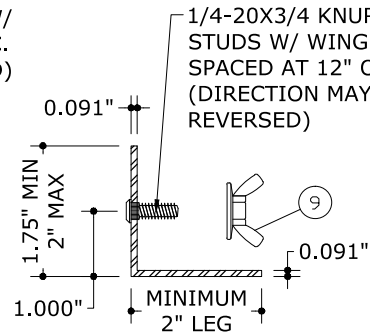


3a BUILD-OUT "U" HEADER



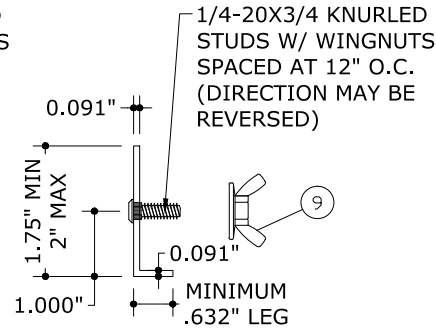
4 STUD ANGLE

SEE COMPONENT NOTES



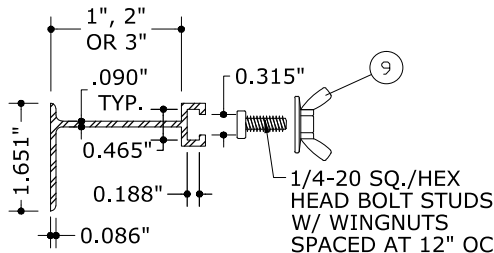
4a STUD ANGLE

SEE COMPONENT NOTES

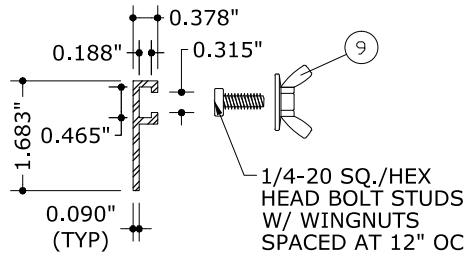


4b STUD ANGLE

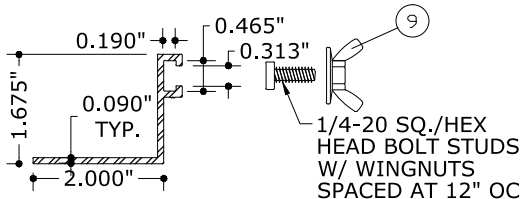
SEE COMPONENT NOTES



7 BUILD-OUT "F" TRACK

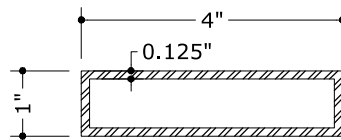


8 "F" TRACK

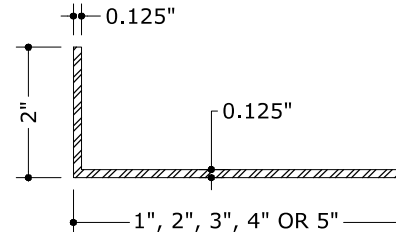


8a "F" ANGLE TRACK

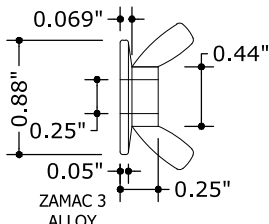
(LEG DIRECTION MAY BE REVERSED)



6 TUBE

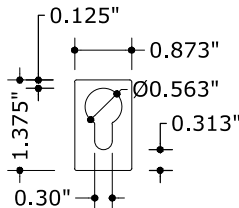


5 ANGLE



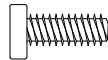
9 WASHER WINGNUT

NON-RECESSED FLAT SURFACE TYPE ONLY

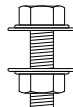


10 KEYHOLE WASHER

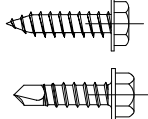
20 GA. GALV. STEEL (t=.038")
GRADE 40 OR 0.050" ALUM
ALLOY (3004-H34)



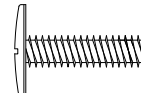
11 1/4-20 SQ./HEX HEAD BOLT



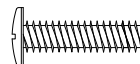
12 1/4-20 316 SS MACHINE BOLT W/NUT



13 #14x3/4 316 SS 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

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" AND LAST 3", RESPECTIVELY. INSTALL ALL ANCHORS PER THE REQUIREMENTS LISTED IN THE ANCHOR SCHEDULE.

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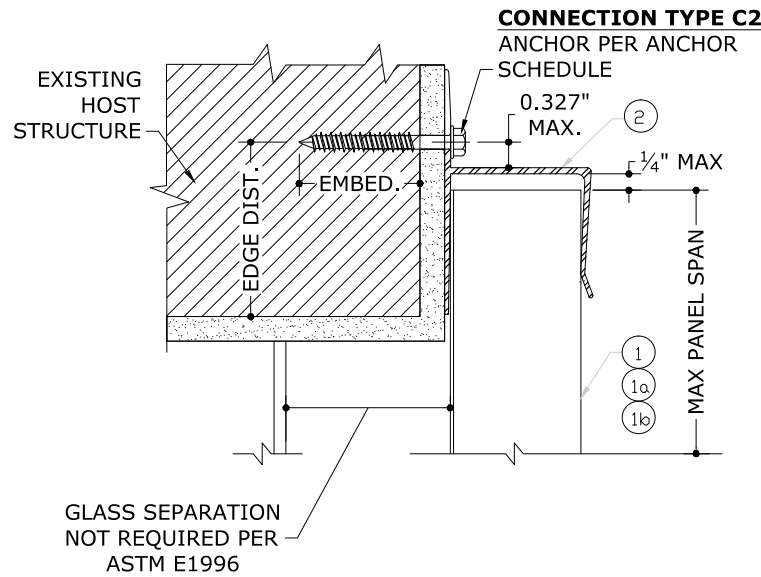
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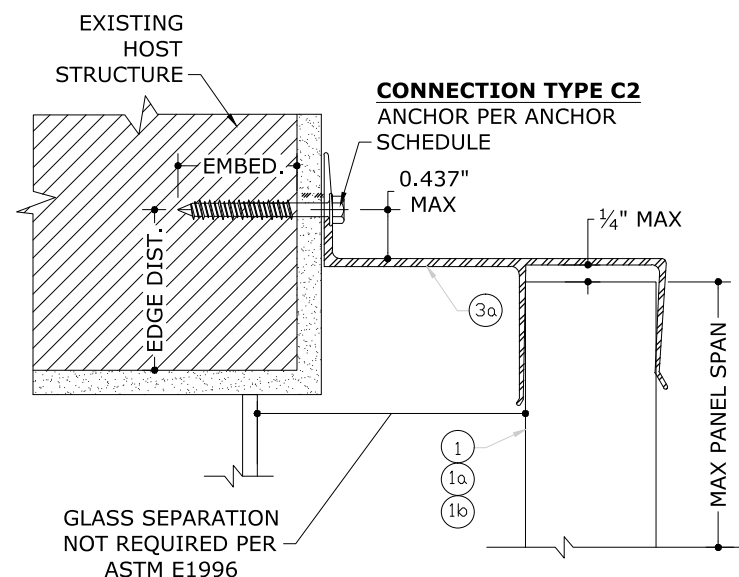
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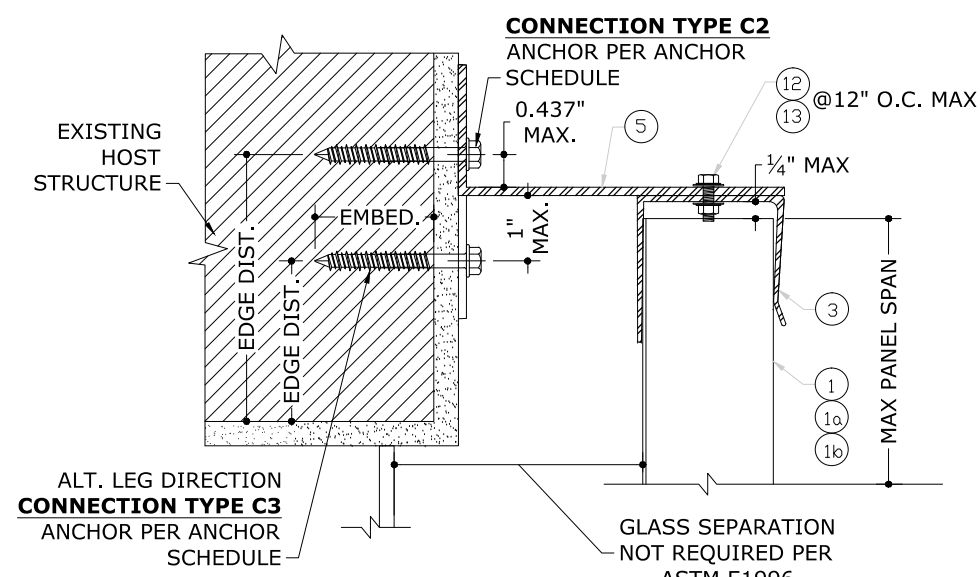
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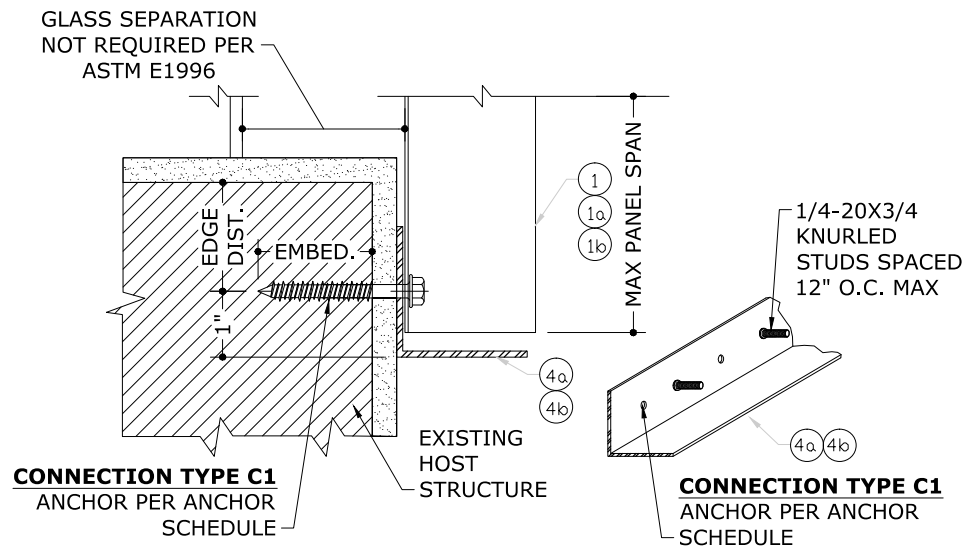
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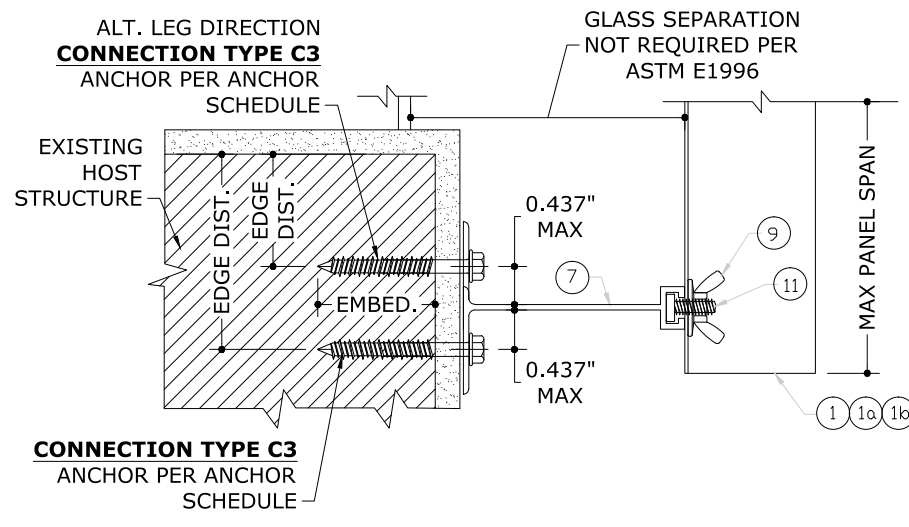
B BUILD-OUT "U" MOUNT SECTION



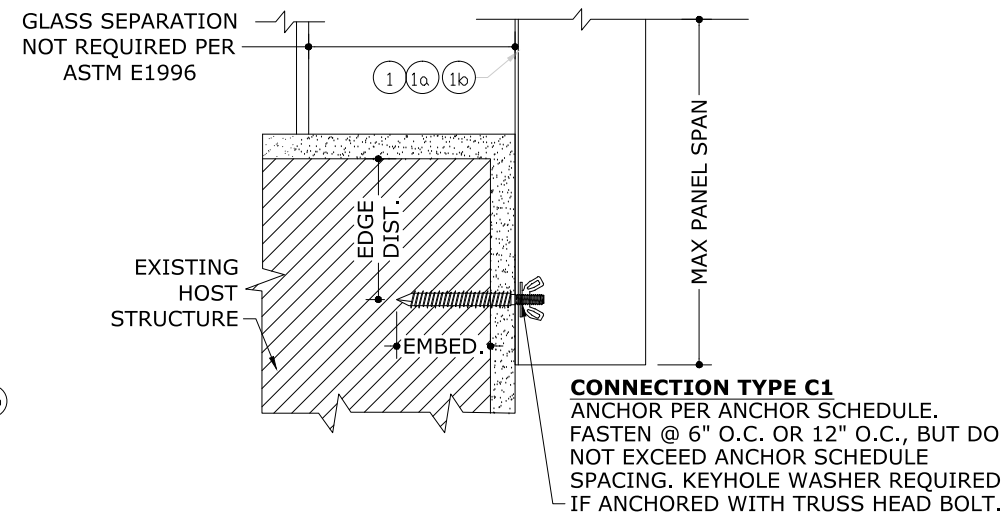
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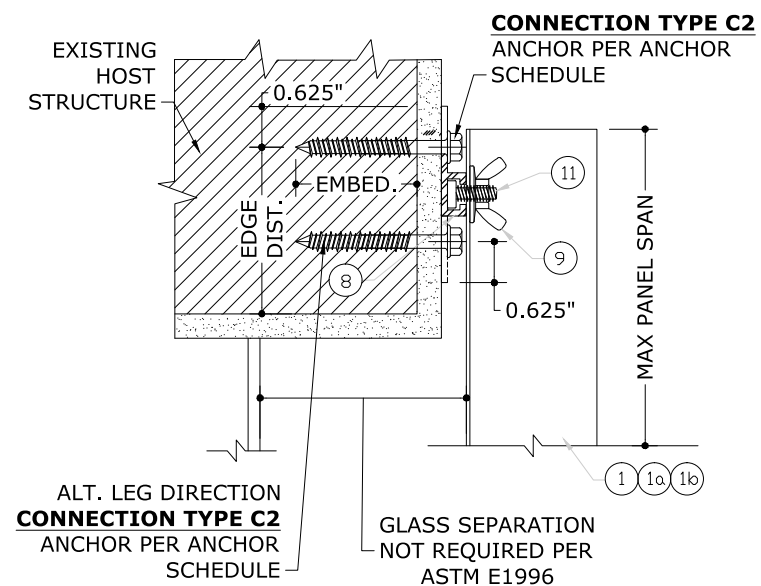
D STUD ANGLE WALL MOUNT SECTION



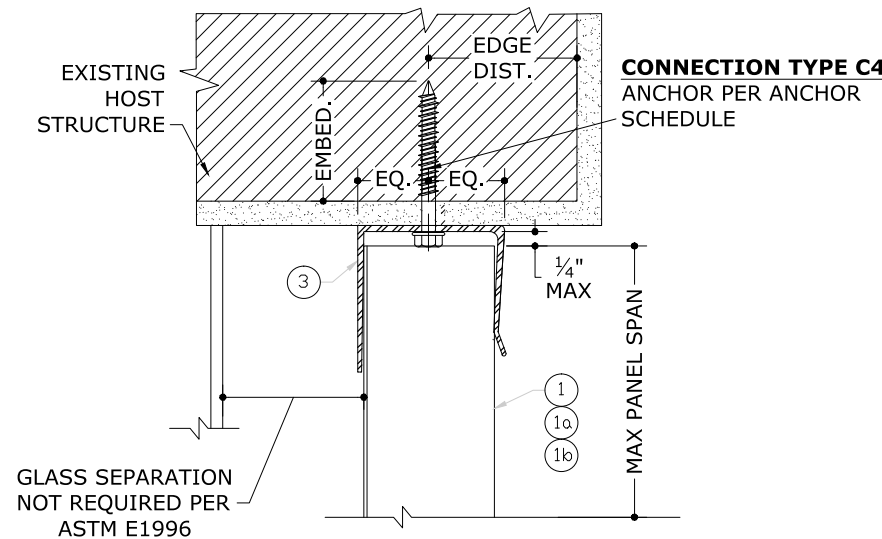
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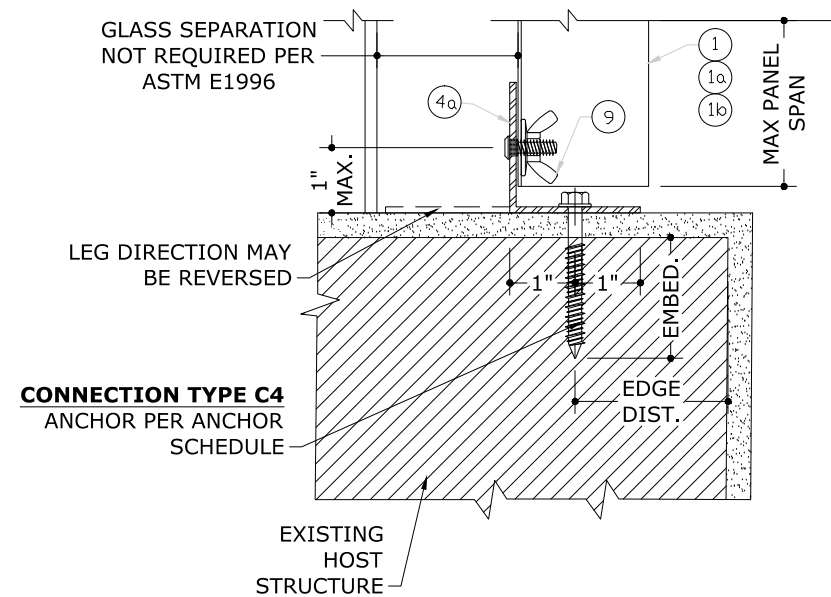
F DIRECT MOUNT SECTION



G "F" TRACK MOUNT SECTION



H TRAP "U" HEADER SECTION



I TRAP STUD ANGLE SECTION

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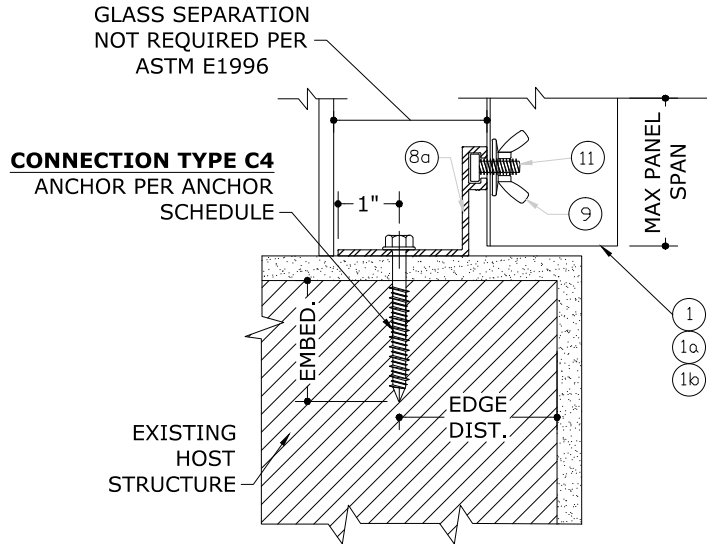
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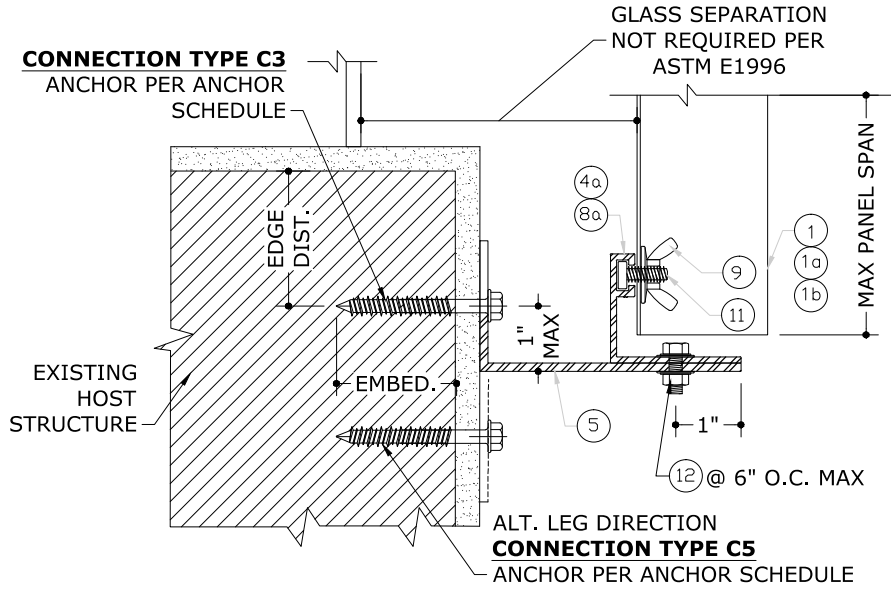
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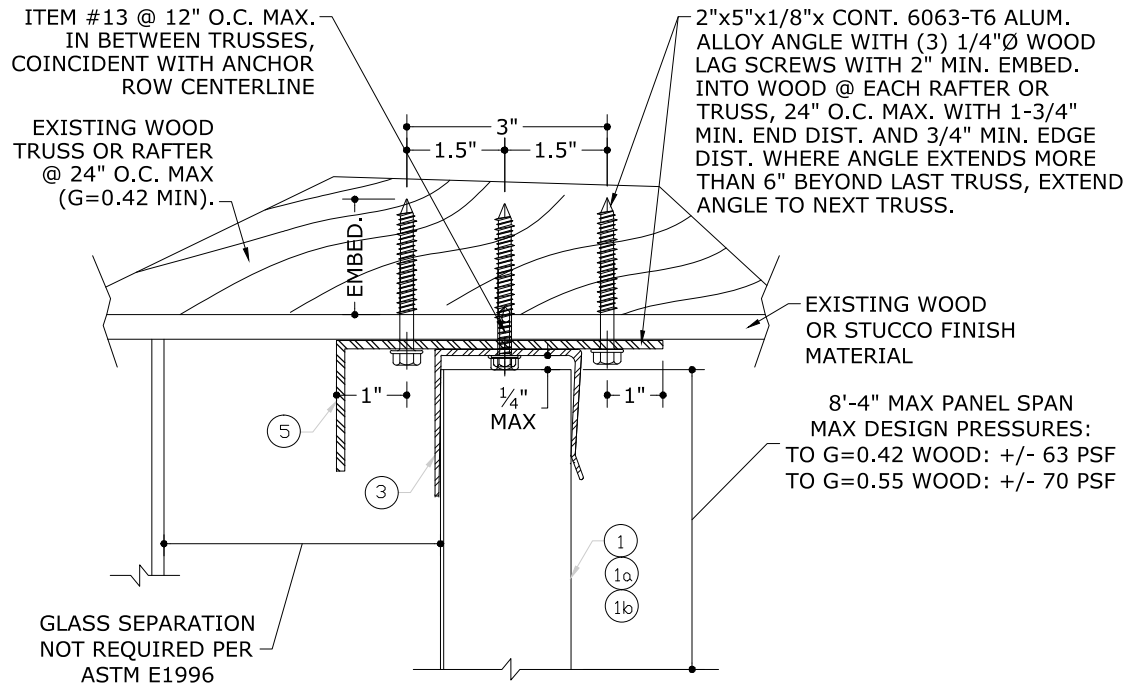
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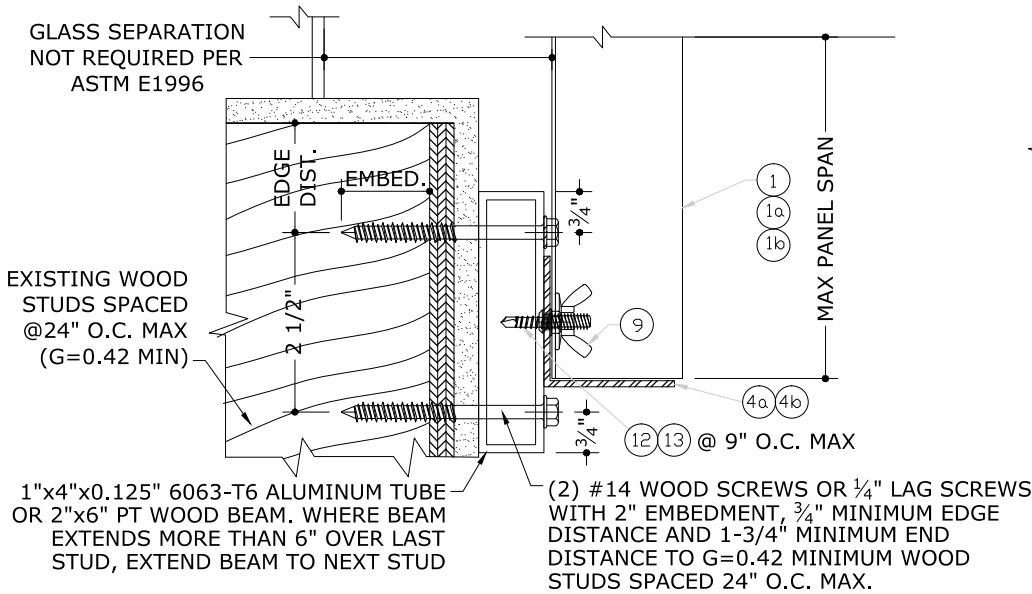
J "F" ANGLE TRACK MOUNT SECTION



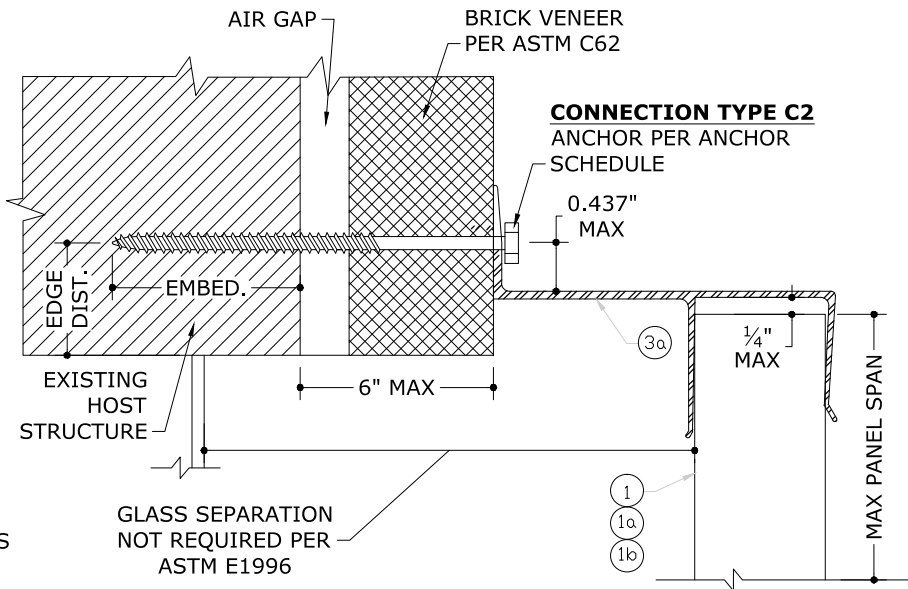
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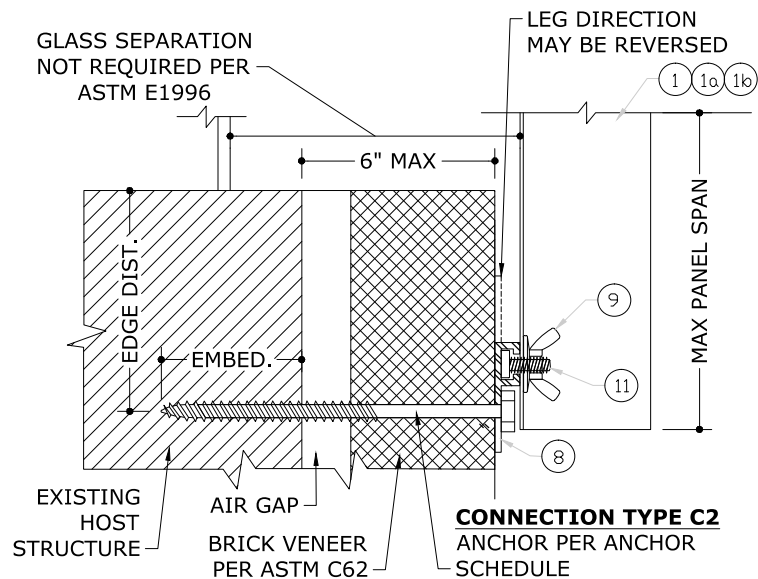
L CEILING MOUNT/BUILD-OUT SECTION



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

FRANK BENNARDO, PE
PE# 0046549 CA#9885

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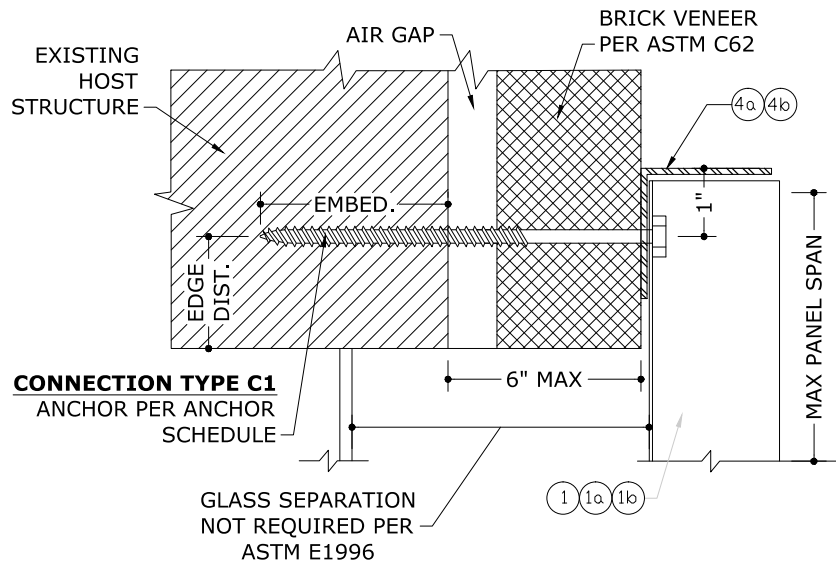
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INIT ISSUE	KL	FLB	06/03/11
2010 FBC	CSL	KL	12/16/11
CLIENT REVISIONS	KL	FLB	10/25/13
2014 FBC (11-TCM-0003)	RWN	CSL	03/13/15
REV - 2017 FBC	RWN	FLB	07/31/17
2020 FBC UPDATE	CB	RWN	6/17/20

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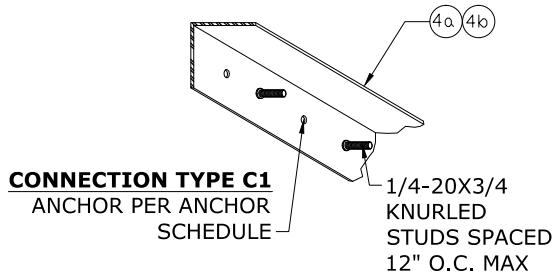
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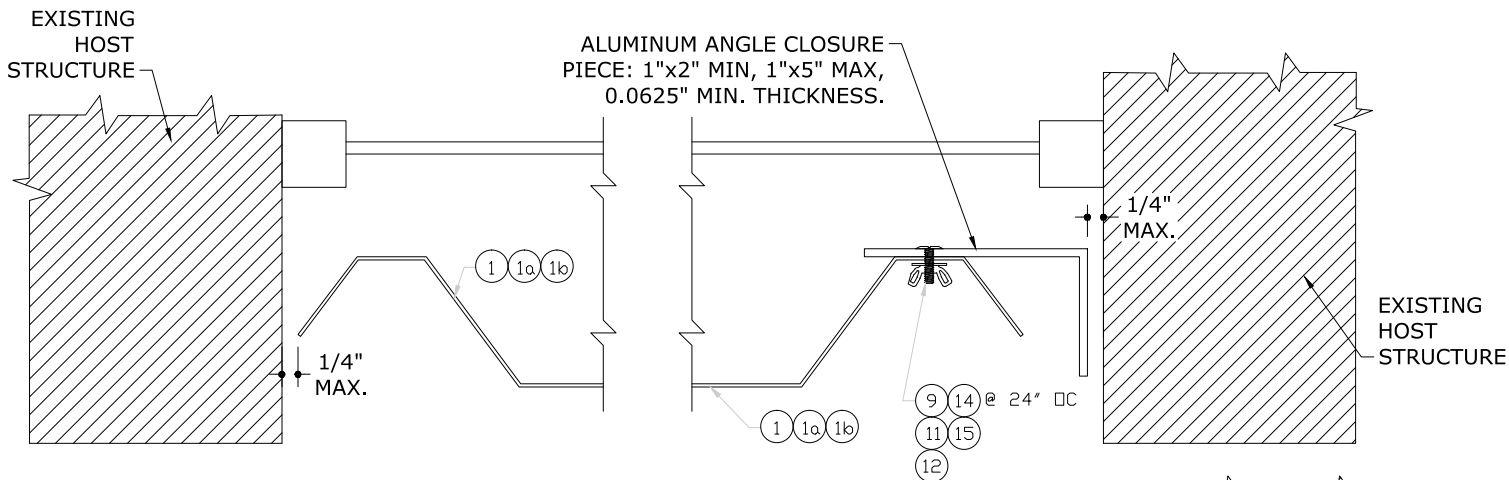
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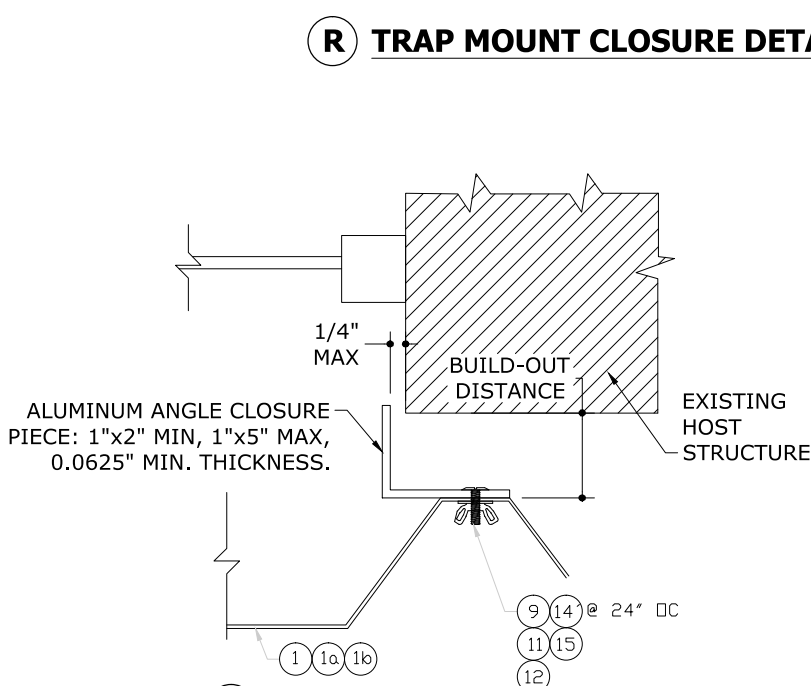
P STUD ANGLE THROUGH VENEER OVER STRUCTURAL BASE SECTION



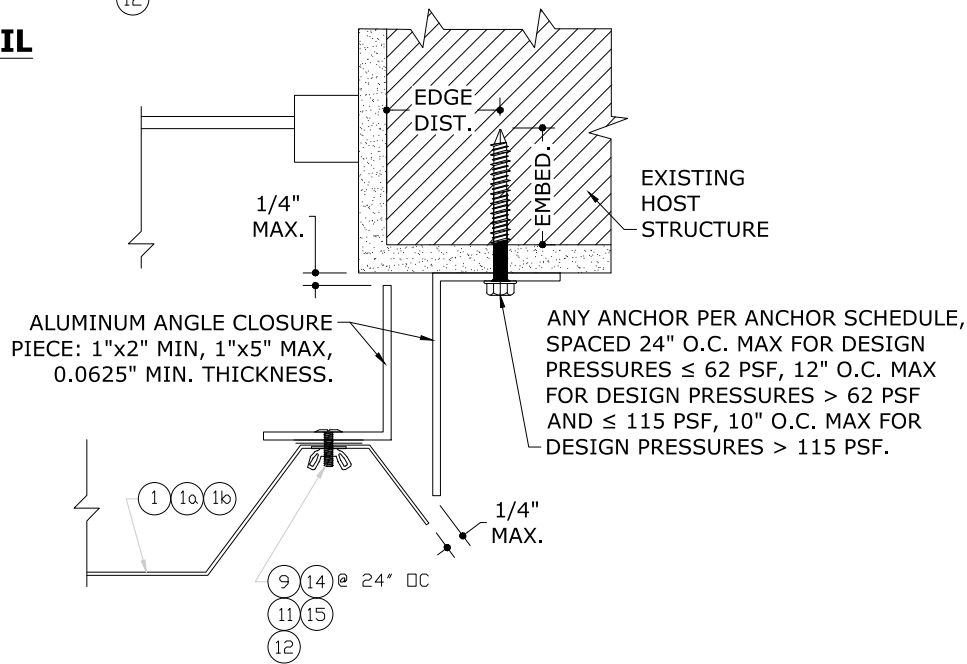
Q BUILD-OUT "F" TRACK THROUGH VENEER OVER STRUCTURAL BASE SECTION



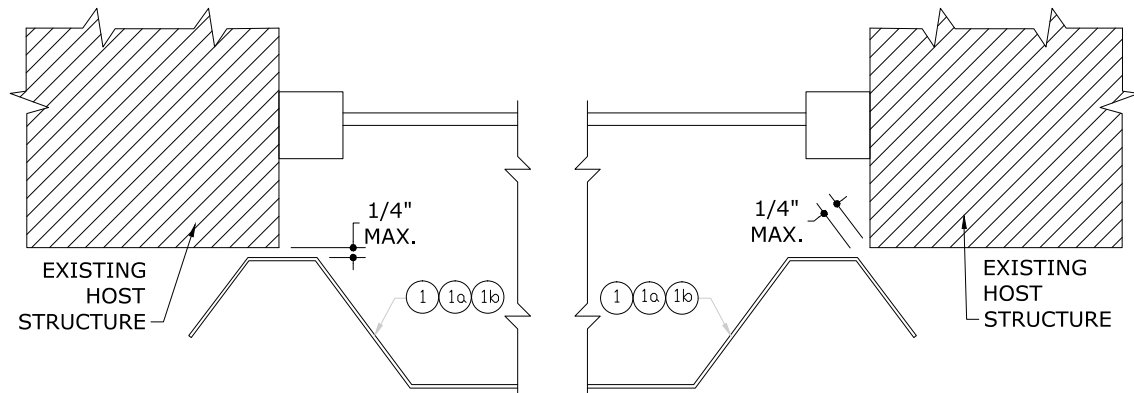
R TRAP MOUNT CLOSURE DETAIL



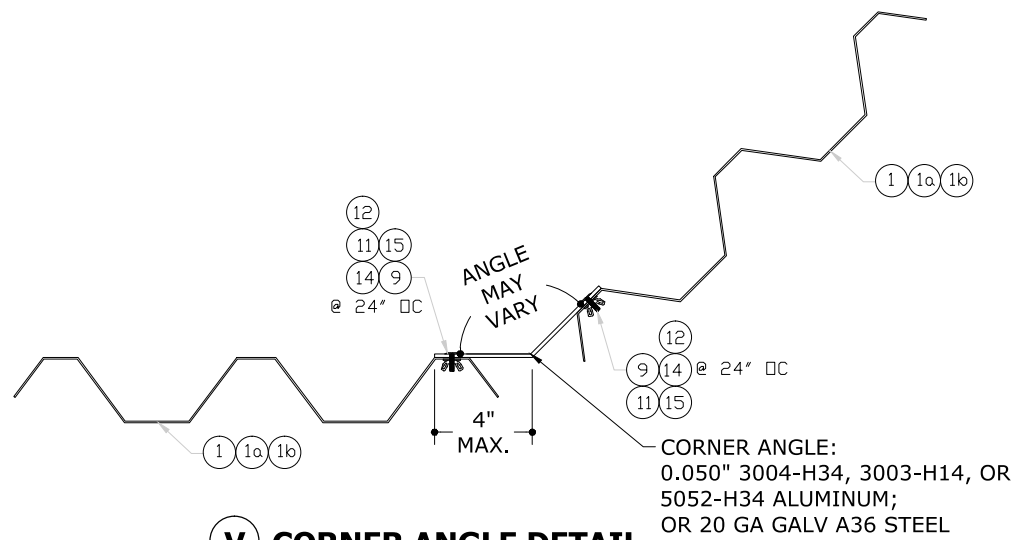
T BUILD-OUT MOUNT CLOSURE DETAIL



U ALTERNATE CLOSURE DETAIL



S WALL MOUNT CLOSURE DETAIL



V CORNER ANGLE DETAIL

FRANK BENNARDO, PE
PE# 0046549 CA#9885



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REMARKS	DRWN	CHKD	DATE
INIT ISSUE	KL	FLB	06/03/11
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2020 FBC UPDATE	CB	RWN	6/17/20

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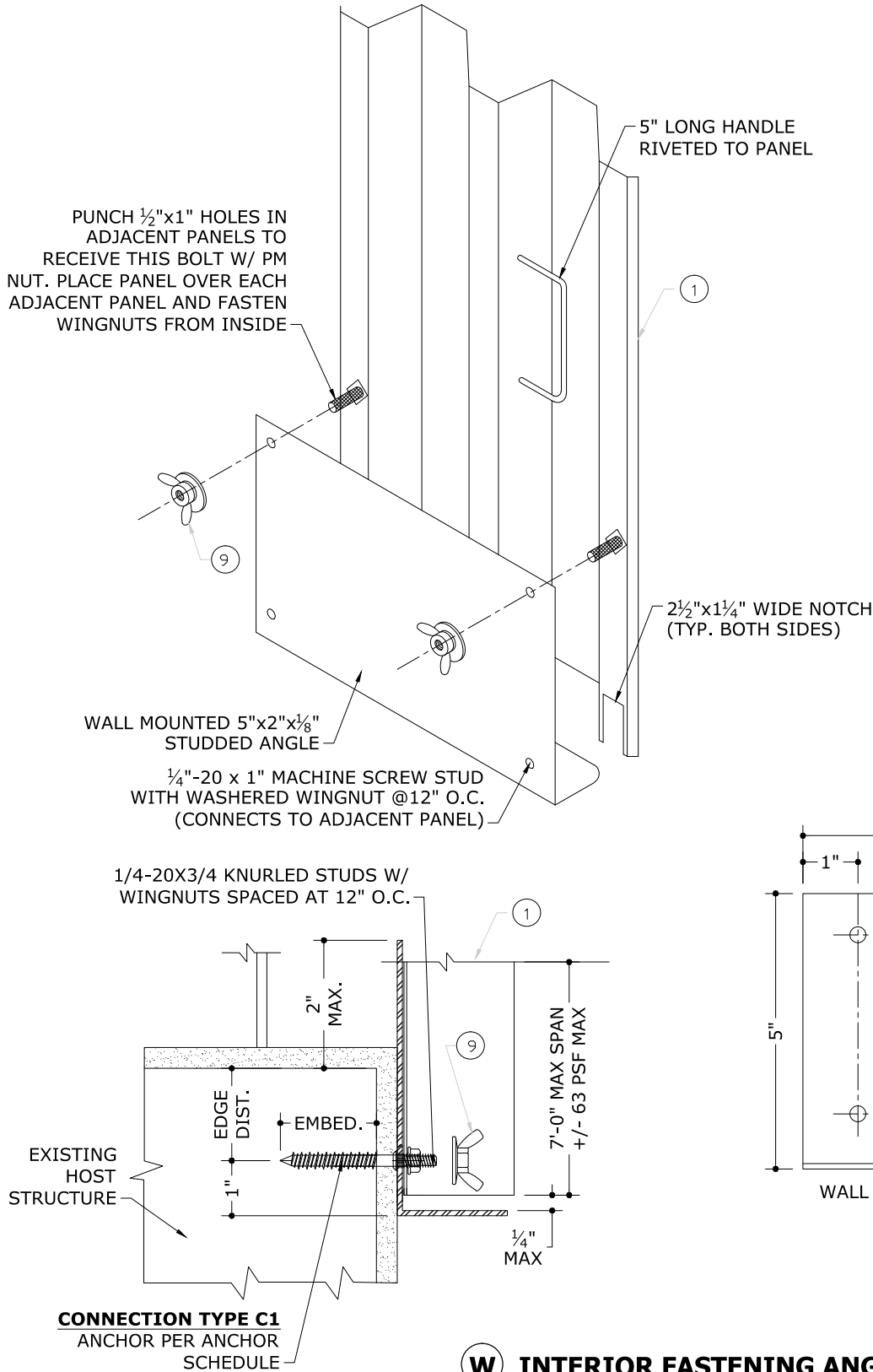
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10/06/2020 - 4:54pm



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.

FRANK BENNARDO, PE
PE# 0046549 CA#9885

FRANK L. BENNARDO
LICENSE
NO. 0046549
STATE OF FLORIDA
PROFESSIONAL ENGINEER
01/07/2028

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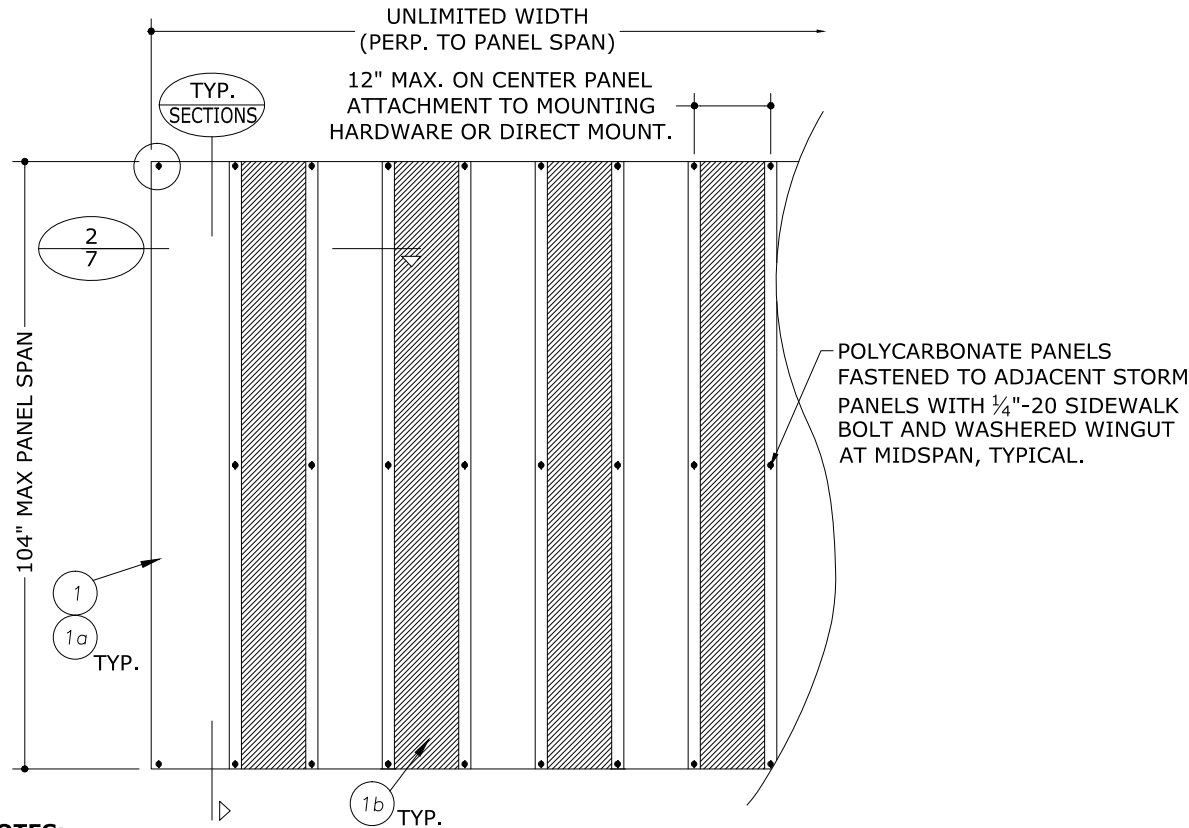
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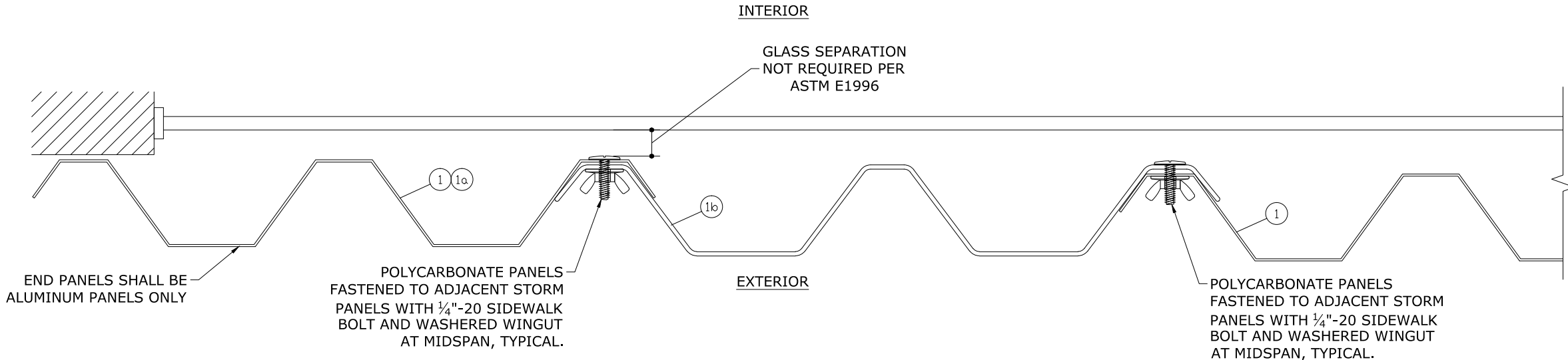
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NOTES:

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. ALUMINUM AND POLYCARBONATE PANELS SHALL ALTERNATE.
4. END PANELS SHALL BE ALUMINUM PANELS ONLY.

1
7 TYP. N.T.S. **TYPICAL ELEVATION WITH ALTERNATING ALUMINUM AND POLYCARBONATE PANELS**
EXTERIOR ELEV



2
7 TYP. N.T.S. **TYPICAL SECTION WITH ALTERNATING ALUMINUM AND POLYCARBONATE PANELS**
HORIZ SECTION

**ALLOWABLE
DESIGN PRESSURES**

WITH ALTERNATING ALUMINUM AND
POLYCARBONATE PANELS

**+55 PSF
-58 PSF**

NOTE: ANY INSTALLATION WITH ALTERNATING ALUMINUM AND POLYCARBONATE PANELS SHALL NOT EXCEED THESE DESIGN PRESSURES.

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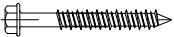
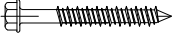
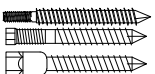
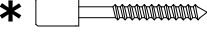
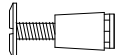
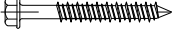
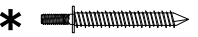
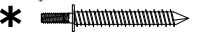
7

OF
10

ANCHOR SCHEDULES:

(SEE SHEET 1 FOR ANCHOR NOTES)

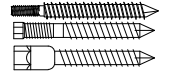
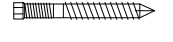
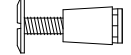
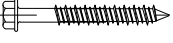
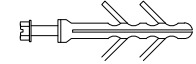
HOST STRUCT.	ANCHOR	LOAD (psf)	EDGE DISTANCES AS NOTED															
			Spans Up To 5'-0"					Spans Up To 9'-0"					Spans Up To 12'-0"					
			CONN TYPE					CONN TYPE					CONN TYPE					
			C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	
CONCRETE	1/4" ITW S.S. TAPCON WITH 1-3/4" EMBED AND 1" MIN. EDGE DISTANCE (3192 psi MIN CONCRETE) 	33	16.0"	16.0"	16.0"	13.4"	16.0"	16.0"	16.0"	16.0"	7.5"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"
		48	16.0"	16.0"	16.0"	9.2"	16.0"	16.0"	16.0"	16.0"	5.1"	16.0"	16.0"	13.7"	16.0"	3.7"	11.3"	
		62	16.0"	16.0"	16.0"	7.1"	16.0"	16.0"	16.0"	14.4"	16.0"	3.9"	12.0"	15.0"	9.4"	15.0"		7.2"
		76	16.0"	16.0"	16.0"	5.8"	16.0"	16.0"	10.6"	16.0"	3.1"	8.3"	12.3"	7.2"	12.3"		5.3"	
		90	16.0"	16.0"	16.0"	4.9"	16.0"	13.8"	8.4"	13.8"		6.3"	10.4"	5.8"	9.7"		4.2"	
		105	16.0"	15.9"	16.0"	4.1"	13.6"	11.8"	6.8"	11.8"		5.0"	8.9"	4.8"	7.8"		3.4"	
		120	16.0"	12.8"	16.0"	3.6"	10.4"	10.4"	5.8"	9.7"		4.2"	7.8"	4.1"	6.5"			
	1/4" DEWALT ULTRA CON WITH 1-3/4" EMBED AND 1" MIN. EDGE DISTANCE (2700 psi MIN CONCRETE) 	33	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	12.2"	16.0"	16.0"	16.0"	16.0"	9.1"	16.0"	
		48	16.0"	16.0"	16.0"	15.1"	16.0"	16.0"	16.0"	16.0"	8.2"	16.0"	16.0"	13.5"	16.0"	6.0"	11.1"	
		62	16.0"	16.0"	16.0"	11.7"	16.0"	16.0"	14.2"	16.0"	6.2"	11.9"	14.8"	9.3"	14.8"	4.6"	7.1"	
		76	16.0"	16.0"	16.0"	9.5"	16.0"	16.0"	10.4"	16.0"	5.0"	8.2"	12.1"	7.1"	12.1"		5.2"	
		90	16.0"	16.0"	16.0"	7.9"	16.0"	13.6"	8.3"	13.6"	4.2"	6.2"	10.2"	5.7"	9.6"		4.1"	
		105	16.0"	15.7"	16.0"	6.7"	13.5"	11.7"	6.7"	11.7"		5.0"	8.8"	4.7"	7.7"			
		120	16.0"	12.7"	16.0"	5.8"	10.3"	10.2"	5.7"	9.6"		4.1"	7.7"	4.0"	6.4"			
	1/4" ITW SAMMYS SSC W/ 2-1/4" MIN EMBED AND 1-1/4" MIN. EDGE DISTANCE (3295 psi MIN CONCRETE) 	33	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"	13.9"	16.0"
		48	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	12.6"	16.0"	16.0"	16.0"	16.0"	9.2"	16.0"	
		62	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	9.6"	16.0"	16.0"	15.0"	16.0"	7.0"	11.5"	
		76	16.0"	16.0"	16.0"	14.5"	16.0"	16.0"	16.0"	16.0"	7.7"	13.2"	16.0"	11.4"	16.0"	5.7"	8.4"	
		90	16.0"	16.0"	16.0"	12.0"	16.0"	16.0"	13.3"	16.0"	6.4"	10.1"	16.0"	9.2"	15.4"	4.8"	6.7"	
		105	16.0"	16.0"	16.0"	10.2"	16.0"	16.0"	10.9"	16.0"	5.5"	8.0"	14.2"	7.6"	12.4"	4.1"	5.4"	
		120	16.0"	16.0"	16.0"	8.8"	16.0"	16.0"	9.2"	15.4"	4.8"	6.7"	12.4"	6.5"	10.4"	3.6"	4.6"	
	1/4-20 ALL POINTS SOLID-SET WITH 7/8" MIN EMBED AND 1-1/4" MIN. EDGE DISTANCE (3000 psi MIN CONCRETE) 	33	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	9.6"	16.0"	16.0"	16.0"	16.0"	7.1"	16.0"	
		48	16.0"	16.0"	16.0"	11.9"	16.0"	16.0"	16.0"	15.8"	16.0"	6.5"	15.5"	13.7"	9.6"	13.7"	4.7"	8.0"
		62	16.0"	16.0"	16.0"	9.2"	16.0"	14.1"	10.1"	14.1"	4.9"	8.5"	10.6"	6.6"	10.6"	3.6"	5.1"	
76		16.0"	16.0"	16.0"	7.5"	16.0"	11.5"	7.4"	11.5"	3.9"	5.8"	8.6"	5.0"	8.6"		3.7"		
90		16.0"	14.6"	16.0"	6.2"	13.8"	9.7"	5.9"	9.7"	3.3"	4.4"	7.3"	4.1"	6.8"				
105		15.0"	11.2"	15.0"	5.2"	9.6"	8.3"	4.8"	8.3"		3.5"	6.2"	3.4"	5.5"				
120		13.1"	9.0"	13.1"	4.5"	7.4"	7.3"	4.1"	6.8"			5.5"		4.6"				
1/4" DEWALT TAPPER WITH 1-3/4" MIN EMBED AND 1-1/2" MIN. EDGE DISTANCE (3000 psi MIN CONCRETE) 	33	16.0"	16.0"	16.0"	14.3"	16.0"	15.4"	15.4"	15.4"	8.0"	15.4"	11.5"	10.9"	11.5"	5.9"	11.5"		
	48	16.0"	16.0"	16.0"	9.9"	16.0"	10.6"	9.1"	10.6"	5.3"	9.0"	7.9"	5.6"	7.9"	3.8"	4.6"		
	62	14.7"	14.7"	14.7"	7.6"	14.7"	8.2"	5.9"	8.2"	4.0"	4.9"	6.1"	3.8"	6.1"				
	76	12.0"	11.9"	12.0"	6.2"	12.0"	6.7"	4.3"	6.7"	3.2"	3.4"	5.0"		5.0"				
	90	10.1"	8.5"	10.1"	5.1"	8.0"	5.6"	3.4"	5.6"			4.2"		3.9"				
	105	8.7"	6.5"	8.7"	4.3"	5.6"	4.8"		4.8"			3.6"		3.2"				
	120	7.6"	5.2"	7.6"	3.7"	4.3"	4.2"		3.9"			3.2"						

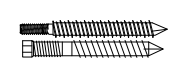
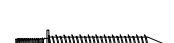
HOST STRUCT.	ANCHOR	LOAD (psf)	EDGE DISTANCES AS NOTED															
			Spans Up To 5'-0"					Spans Up To 9'-0"					Spans Up To 12'-0"					
			CONN TYPE					CONN TYPE					CONN TYPE					
			C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	
CONCRETE	1/4" ITW S.S. TAPCON WITH 1-3/4" EMBED AND 2-1/2" MIN. EDGE DISTANCE (3192 psi MIN CONCRETE) 	33	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"	13.5"	16.0"
		48	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	12.2"	16.0"	16.0"	16.0"	16.0"	8.9"	13.3"
		62	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	9.2"	14.1"	16.0"	11.0"	16.0"	6.8"	8.5"
		76	16.0"	16.0"	16.0"	14.1"	16.0"	16.0"	12.4"	16.0"	7.4"	9.7"	14.4"	8.4"	14.4"	5.5"	6.2"	
		90	16.0"	16.0"	16.0"	11.7"	16.0"	16.0"	9.8"	16.0"	6.2"	7.4"	12.2"	6.8"	11.4"	4.6"	4.9"	
		105	16.0"	16.0"	16.0"	9.9"	16.0"	13.9"	8.0"	13.9"	5.3"	5.9"	10.4"	5.6"	9.1"	3.9"	4.0"	
		120	16.0"	15.1"	16.0"	8.5"	12.3"	12.2"	6.8"	11.4"	4.6"	4.9"	9.1"	4.8"	7.7"	3.4"	3.4"	
	1/4" DEWALT ULTRAICON WITH 1-3/4" EMBED AND 2-1/2" MIN. EDGE DISTANCE (2700 psi MIN CONCRETE) 	33	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"	13.7"	16.0"
		48	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	12.4"	16.0"	16.0"	13.9"	16.0"	9.0"	11.5"	
		62	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	14.6"	16.0"	9.3"	12.3"	15.3"	9.6"	15.3"	6.8"	7.3"	
		76	16.0"	16.0"	16.0"	14.4"	16.0"	16.0"	10.8"	16.0"	7.5"	8.4"	12.5"	7.3"	12.5"	5.5"	5.4"	
		90	16.0"	16.0"	16.0"	11.8"	16.0"	14.1"	8.5"	14.1"	6.2"	6.4"	10.6"	5.9"	9.9"	4.6"	4.3"	
		105	16.0"	16.0"	16.0"	10.0"	13.9"	12.1"	7.0"	12.1"	5.3"	5.1"	9.0"	4.9"	7.9"			
		120	16.0"	13.1"	16.0"	8.6"	10.6"	10.6"	5.9"	9.9"	4.6"	4.3"	7.9"	4.2"	6.7"			
	1/4" ELCO PANELMATE (FEMALE, MALE, or PLUS) W/ 2" MIN EMBED AND 2-1/2" MIN. EDGE DISTANCE (3350 psi MIN CONC) 	33	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"	13.8"	16.0"
		48	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	12.5"	16.0"	16.0"	16.0"	16.0"	9.1"	13.2"	
		62	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	9.4"	14.0"	16.0"	11.0"	16.0"	6.9"	8.4"	
		76	16.0"	16.0"	16.0"	14.5"	16.0"	16.0"	12.3"	16.0"	7.6"	9.7"	14.3"	8.4"	14.3"	5.6"	6.2"	
		90	16.0"	16.0"	16.0"	11.9"	16.0"	16.0"	9.8"	16.0"	6.3"	7.4"	12.1"	6.7"	11.3"	4.7"	4.9"	
		105	16.0"	16.0"	16.0"	10.1"	15.9"	13.8"	8.0"	13.8"	5.4"	5.9"	10.4"	5.6"	9.1"	4.0"	4.0"	
		120	16.0"	15.0"	16.0"	8.7"	12.2"	12.1"	6.7"	11.3"	4.7"	4.9"	9.1"	4.8"	7.6"			
	1/4" ITW SAMMYS SSC W/ 2-1/4" MIN EMBED AND 2-1/2" MIN. EDGE DISTANCE (3295 psi MIN CONCRETE) 	33	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"
		48	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"	11.7"	16.0"
		62	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	12.1"	16.0"	16.0"	15.6"	16.0"	8.9"	12.0"	
		76	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	9.7"	13.8"	16.0"	11.9"	16.0"	7.2"	8.8"	
		90	16.0"	16.0"	16.0"	15.3"	16.0"	16.0"	13.9"	16.0"	8.1"	10.5"	16.0"	9.6"	16.0"	6.0"	6.9"	
		105	16.0"	16.0"	16.0"	12.9"	16.0"	16.0"	11.4"	16.0"	6.9"	8.4"	14.8"	8.0"	13.0"	5.1"	5.7"	
		120	16.0"	16.0"	16.0"	11.2"	16.0"	16.0"	9.6"	16.0"	6.0"	6.9"	12.9"	6.8"	10.9"	4.5"	4.8"	
	1/4-20 ALL POINTS SOLID-SET WITH 7/8" MIN EMBED AND 2" MIN. EDGE DISTANCE (3000 psi MIN CONCRETE) 	33	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"	12.8"	16.0"
		48	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	11.6"	16.0"	16.0"	12.6"	16.0"	8.4"	10.4"	
		62	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	13.2"	16.0"	8.7"	11.0"	13.8"	8.6"	13.8"	6.3"	6.6"	
		76	16.0"	16.0"	16.0"	13.4"	16.0"	15.0"	9.7"	15.0"	6.9"	7.6"	11.3"	6.6"	11.3"	5.1"	4.9"	
		90	16.0"	16.0"	16.0"	11.0"	16.0"	12.7"	7.7"	12.7"	5.8"	5.8"	9.5"	5.3"	8.9"	4.3"	3.8"	
		105	16.0"	14.6"	16.0"	9.3"	12.5"	10.9"	6.3"	10.9"	4.9"	4.6"	8.2"	4.4"	7.2"	3.6"	3.1"	
		120	16.0"	11.8"	16.0"	8.0"	9.6"	9.5"	5.3"	8.9"	4.3"	3.8"	7.1"	3.8"	6.0"	3.2"		
	1/4" DEWALT TAPPER WITH 1-3/4" MIN EMBED AND 3" MIN. EDGE DISTANCE (3000 psi MIN CONCRETE) 	33	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	15.9"	16.0"	16.0"	16.0"	16.0"	16.0"	11.8"	16.0"
		48	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	10.6"	16.0"	15.8"	11.1"	15.8"	7.7"	9.2"	
		62	16.0"	16.0"	16.0"	15.3"	16.0"	16.0"	11.7"	16.0"	8.0"	9.8"	12.3"	7.7"	12.3"	5.8"	5.9"	
		76	16.0"	16.0"	16.0"	12.3"	16.0"	13.3"	8.6"	13.3"	6.4"	6.7"	10.0"	5.8"	10.0"	4.7"	4.3"	
		90	16.0"	16.0"	16.0"	10.1"	16.0"	11.3"	6.8"	11.3"	5.3"	5.1"	8.4"	4.7"	7.9"	3.9"	3.4"	
		105	16.0"	12.9"	16.0"	8.5"	11.1"	9.7"	5.6"	9.6"	4.5"	4.1"	7.2"	3.9"	6.4"	3.3"		
		120	15.2"	10.5"	15.2"	7.3"	8.5"	8.4"	4.7"	7.9"	3.9"	3.4"	6.3"	3.3"	5.3"			
	1/4" EA MALE BOLT, 2-1/2" EMBED AND 2.5" MIN. EDGE DISTANCE (2900 PSI CONC)  OPTIONAL FEMALE CAP	33	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"
		48	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"	14.4"	16.0"
		62	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	15.0"	16.0"	16.0"	14.9"	16.0"	10.9"	11.4"	
		76	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	12.0"	13.1"	16.0"	11.4"	16.0"	8.8"	8.4"	
		90	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	13.3"	16.0"	10.0"	10.0"	16.0"	9.2"	15.4"	7.4"	6.6"	
		105	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	10.8"	16.0"	8.5"	8.0"	14.1"	7.6"	12.4"	6.3"	5.4"	
120		16.0"	16.0"	16.0"	13.8"	16.0"	16.0"	9.2"	15.4"	7.4"	6.6"	12.3"	6.5"	10.4"	5.4"	4.6"		
1/4" EA MALE BOLT, 1-7/8" EMBED AND 2.5" MIN. EDGE DISTANCE (2900 PSI CONC)  OPTIONAL FEMALE CAP	33	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	13.5"	16.0"	16.0"	16.0"	16.0"	10.0"	16.0"	16.0"	
	48	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	9.1"	16.0"	16.0"	14.9"	16.0"	6.7"	12.3"		
	62	16.0"	16.0"	16.0"	13.0"	16.0"	16.0"	15.6"	16.0"	6.9"	13.1"	16.0"	10.2"	16.0"	5.1"	7.8"		
	76	16.0"	16.0"	16.0"	10.5"	16.0"	16.0"	11.5"	16.0"	5.6"	9.0"	13.3"	7.8"	13.3"	4.1"	5.8"		
	90	16.0"	16.0"	16.0"	8.7"	16.0"	15.0"	9.1"	15.0"	4.7"	6.9"	11.3"	6.3"	10.5"	3.5"	4.5"		
	105	16.0"	16.0"	16.0"	7.4"	14.9"	12.9"	7.4"	12.9"	4.0"	5.5"	9.7"	5.2"	8.5"				
	120	16.0"	14.0"	16.0"	6.4"	11.4"	11.3"	6.3"	10.5"	3.5"	4.5"	8.5"	4.5"	7.1"				
1/4" EA MALE BOLT, 2-1/2" EMBED AND 1.25" MIN. EDGE DISTANCE (2900 PSI CONC)  OPTIONAL FEMALE CAP	33	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"	12.6"	16.0"	
	48	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	11.5"	16.0"	16.0"	16.0"	16.0"	8.4"	16.0"		
	62	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	8.7"	16.0"	16.0"	14.8"	16.0"	6.5"	11.4"		
	76	16.0"	16.0"	16.0"	13.2"	16.0"	16.0"	16.0"	16.0"	7.0"	13.0"	16.0"	11.3"	16.0"	5.2"	8.3"		
	90	16.0"	16.0"	16.0"	11.0"	16.0"	16.0"	13.2"	16.0"	5.9"	9.9"	16.0"	9.1"	15.3"	4.4"	6.6"		
	105	16.0"	16.0"	16.0"	9.3"	16.0"	16.0"	10.8"	16.0"	5.0"	7.9"	14.0"	7.6"	12.3"	3.7"	5.4"		
	120	16.0"	16.0"	16.0"	8.1"	16.0"	16.0"	9.1"	15.3"	4.4"	6.6"	12.2"	6.5"	10.3"	3.3"	4.5"		

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10/06/2020 - 4:55pm
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ANCHOR SCHEDULES (CONTINUED):

HOST STRUCT.	ANCHOR	LOAD (psf)	EDGE DISTANCES AS NOTED														
			Spans Up To 5'-0"					Spans Up To 9'-0"					Spans Up To 12'-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 	33	16.0"	16.0"	16.0"	11.6"	16.0"	10.3"	10.3"	10.3"	6.4"	10.3"	7.8"	7.3"	7.8"	4.7"	7.8"
		48	12.8"	12.8"	12.8"	8.0"	12.8"	7.1"	6.2"	7.1"	4.3"	6.0"	5.3"	3.8"	5.3"	3.1"	3.1"
		62	9.9"	9.9"	9.9"	6.2"	9.9"	5.5"	3.9"	5.5"	3.2"	3.3"	4.1"		4.1"		
		76	8.1"	8.0"	8.1"	5.0"	8.1"	4.5"		4.5"			3.4"		3.4"		
		90	6.8"	5.7"	6.8"	4.1"	5.4"	3.8"		3.8"							
		105	5.9"	4.4"	5.9"	3.4"	3.7"	3.3"		3.2"							
		120	5.1"	3.5"	5.1"												
	1/4" DEWALT ULTRACON WITH 1-1/4" MIN. EMBED AND 2-1/2" MIN. EDGE DISTANCE 	33	16.0"	16.0"	16.0"	10.5"	16.0"	11.3"	11.3"	11.3"	5.9"	11.3"	8.5"	8.0"	8.5"	4.3"	8.5"
		48	14.0"	14.0"	14.0"	7.2"	14.0"	7.8"	6.7"	7.8"	3.9"	6.6"	5.8"	4.1"	5.8"		
		62	10.8"	10.8"	10.8"	5.6"	10.8"	6.0"	4.3"	6.0"			4.5"		4.5"		
		76	8.8"	8.8"	8.8"	4.5"	8.8"	4.9"		4.9"							
		90	7.5"	6.2"	7.5"		5.9"	4.1"		4.1"							
		105	6.4"	4.8"	6.4"		4.1"										
		120	5.6"	3.9"	5.6"												
	1/4" DEWALT PANELMATE (FEMALE, MALE, OR PLUS) W/ 1-1/4" MIN EMBED AND 3" MIN. EDGE DISTANCE 	33	16.0"	16.0"	16.0"	14.9"	16.0"	16.0"	16.0"	16.0"	8.3"	16.0"	12.7"	12.0"	12.7"	6.1"	12.7"
		48	16.0"	16.0"	16.0"	10.2"	16.0"	11.7"	10.1"	11.7"	5.5"	9.9"	8.8"	6.2"	8.8"	4.0"	5.1"
		62	16.0"	16.0"	16.0"	7.9"	16.0"	9.0"	6.5"	9.0"	4.1"	5.4"	6.8"	4.2"	6.8"		
		76	13.3"	13.1"	13.3"	6.4"	13.3"	7.4"	4.8"	7.4"			5.5"		5.5"		
		90	11.2"	9.4"	11.2"	5.3"	8.9"	6.2"		6.2"			4.7"		4.4"		
		105	9.6"	7.1"	9.6"	4.4"	6.2"	5.3"		5.3"			4.0"				
		120	8.4"	5.8"	8.4"		4.7"	4.7"		4.4"							
	1/4" ITW TAPCON SG W/ 1-1/4" MIN EMBED AND 2-1/2" MIN. EDGE DISTANCE 	33	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	11.3"	16.0"	16.0"	16.0"	16.0"	8.4"	16.0"
		48	16.0"	16.0"	16.0"	13.9"	16.0"	16.0"	16.0"	16.0"	7.6"	16.0"	16.0"	11.4"	16.0"	5.5"	9.4"
		62	16.0"	16.0"	16.0"	10.8"	16.0"	16.0"	12.0"	16.0"	5.7"	10.0"	12.5"	7.8"	12.5"	4.2"	6.0"
		76	16.0"	16.0"	16.0"	8.7"	16.0"	13.6"	8.8"	13.6"	4.6"	6.9"	10.2"	6.0"	10.2"	3.4"	4.4"
		90	16.0"	16.0"	16.0"	7.3"	16.0"	11.5"	7.0"	11.5"	3.9"	5.3"	8.6"	4.8"	8.1"		3.5"
		105	16.0"	13.2"	16.0"	6.1"	11.4"	9.9"	5.7"	9.8"	3.3"	4.2"	7.4"	4.0"	6.5"		
		120	15.5"	10.7"	15.5"	5.3"	8.7"	8.6"	4.8"	8.1"		3.5"	6.5"	3.4"	5.4"		
	1/4-20 ALL POINTS SOLID-SET WITH 7/8" MIN EMBED AND 2" MIN. EDGE DISTANCE 	33	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	9.5"	16.0"	16.0"	16.0"	16.0"	7.0"	16.0"
		48	16.0"	16.0"	16.0"	11.7"	16.0"	15.9"	13.8"	15.9"	6.4"	13.5"	11.9"	8.4"	11.9"	4.6"	6.9"
		62	16.0"	16.0"	16.0"	9.1"	16.0"	12.3"	8.8"	12.3"	4.8"	7.4"	9.2"	5.8"	9.2"	3.5"	4.4"
		76	16.0"	16.0"	16.0"	7.4"	16.0"	10.0"	6.5"	10.0"	3.9"	5.1"	7.5"	4.4"	7.5"		3.3"
		90	15.3"	12.8"	15.3"	6.1"	12.1"	8.5"	5.1"	8.5"	3.2"	3.9"	6.4"	3.6"	5.9"		
		105	13.1"	9.7"	13.1"	5.1"	8.4"	7.3"	4.2"	7.3"		3.1"	5.5"		4.8"		
		120	11.5"	7.9"	11.5"	4.4"	6.4"	6.4"	3.6"	5.9"			4.8"		4.0"		
	1/4" MILLENNIUM MILLFAST ANCHOR W/ 1-1/4" EMBED AND 1" EDGE DISTANCE 	33	16.0"	16.0"	16.0"	8.5"	16.0"	10.9"	10.9"	10.9"	4.7"	10.9"	8.1"	7.7"	8.1"	3.5"	8.1"
		48	13.4"	13.4"	13.4"	5.8"	13.4"	7.5"	6.5"	7.5"		6.3"	5.6"		5.6"		
		62	10.4"	10.4"	10.4"	4.5"	10.4"	5.8"	4.1"	5.8"			4.3"		4.3"		
		76	8.5"	8.4"	8.5"		8.5"	4.7"		4.7"							
		90	7.2"	6.0"	7.2"		5.7"	4.0"		4.0"							
		105	6.1"	4.6"	6.1"												
		120	5.4"		5.4"												
	1/4" MILLENNIUM MILLFAST ANCHOR W/ 1-1/4" EMBED AND 2-1/2" EDGE DISTANCE 	33	16.0"	16.0"	16.0"	12.8"	16.0"	12.0"	12.0"	12.0"	7.1"	12.0"	9.0"	8.5"	9.0"	5.2"	9.0"
		48	14.8"	14.8"	14.8"	8.8"	14.8"	8.2"	7.1"	8.2"	4.7"	7.0"	6.2"	4.3"	6.2"		
		62	11.5"	11.5"	11.5"	6.8"	11.5"	6.4"	4.6"	6.4"			4.8"		4.8"		
		76	9.3"	9.3"	9.3"	5.5"	9.3"	5.2"		5.2"							
		90	7.9"	6.6"	7.9"	4.5"	6.2"	4.4"		4.4"							
		105	6.8"	5.0"	6.8"		4.3"										
		120	5.9"	4.1"	5.9"												
	#12 SMS W/ 2" EYEWALL ARMOR INSERT W/ 1-1/4" EMBED WITH 2" EDGE DISTANCE 	33	16.0"	16.0"	16.0"	15.5"	16.0"	16.0"	16.0"	16.0"	8.6"	16.0"	14.0"	13.2"	14.0"	6.4"	14.0"
		48	16.0"	16.0"	16.0"	10.7"	16.0"	12.8"	11.1"	12.8"	5.8"	10.9"	9.6"	6.8"	9.6"	4.2"	5.6"
		62	16.0"	16.0"	16.0"	8.3"	16.0"	9.9"	7.1"	9.9"	4.3"	5.9"	7.4"	4.6"	7.4"	3.2"	3.6"
		76	14.5"	14.4"	14.5"	6.7"	14.5"	8.1"	5.2"	8.1"	3.5"	4.1"	6.1"	3.5"	6.1"		
		90	12.3"	10.3"	12.3"	5.5"	9.7"	6.8"	4.1"	6.8"		3.1"	5.1"		4.8"		
		105	10.5"	7.8"	10.5"	4.6"	6.7"	5.8"	3.4"	5.8"			4.4"		3.9"		
		120	9.2"	6.3"	9.2"	4.0"	5.2"	5.1"		4.8"			3.8"		3.2"		

HOST STRUCT.	ANCHOR	LOAD (psf)	EDGE DISTANCES AS NOTED														
			Spans Up To 5'-0"					Spans Up To 9'-0"					Spans Up To 12'-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 	33	13.6"	13.6"	13.6"	6.1"	13.6"	7.6"	7.6"	7.6"	3.4"	7.6"	5.7"	5.4"	5.7"		5.7"
		48	9.4"	9.4"	9.4"	4.2"	9.4"	5.2"	4.5"	5.2"		4.4"	3.9"		3.9"		
		62	7.2"	7.2"	7.2"	3.2"	7.2"	4.0"		4.0"			3.0"		3.0"		
		76	5.9"	5.9"	5.9"		5.9"	3.3"		3.3"							
		90	5.0"	4.2"	5.0"		4.0"										
		105	4.3"	3.2"	4.3"												
		120	3.7"		3.7"												
	1/4" DEWALT ULTRACON WITH 1-1/4" MIN. EMBED AND 1" MIN. EDGE DISTANCE 	33	16.0"	16.0"	16.0"	11.4"	16.0"	11.3"	11.3"	11.3"	6.3"	11.3"	8.5"	8.0"	8.5"		8.5"
		48	14.0"	14.0"	14.0"	7.8"	14.0"	7.8"	6.7"	7.8"		6.6"					
		62	10.8"	10.8"	10.8"	6.1"	10.8"	6.0"		6.0"							
		76	8.8"	8.8"	8.8"		8.8"										
		90	7.5"	6.2"	7.5"												
		105	6.4"		6.4"												
		120															
	1/4" DEWALT PANELMATE (MALE OR PLUS) W/ 1-1/4" MIN EMBED AND 2" MIN. EDGE DISTANCE * 	33	16.0"	16.0"	16.0"	15.6"	16.0"	16.0"	16.0"	16.0"	8.7"	16.0"	13.2"	12.5"	13.2"	6.4"	13.2"
		48	16.0"	16.0"	16.0"	10.8"	16.0"	12.1"	10.5"	12.1"	5.8"	10.3"	9.1"	6.4"	9.1"	4.2"	5.3"
		62	16.0"	16.0"	16.0"	8.3"	16.0"	9.4"	6.7"	9.4"	4.4"	5.6"	7.0"	4.4"	7.0"		
		76	13.8"	13.6"	13.8"	6.7"	13.8"	7.7"	5.0"	7.7"			5.7"		5.7"		
		90	11.6"	9.7"	11.6"	5.5"	9.2"	6.5"		6.5"			4.8"		4.5"		
		105	10.0"	7.4"	10.0"	4.7"	6.4"	5.5"		5.5"			4.2"				
		120	8.7"	6.0"	8.7"	4.0"	4.9"	4.8"		4.5"							
1/4" ITW TAPCON SG W/ 1-1/4" MIN EMBED AND 1-1/4" MIN. EDGE DISTANCE * 	33	16.0"	16.0"	16.0"	12.2"	16.0"	16.0"	16.0"	16.0"	6.8"	16.0"	16.0"	16.0"	16.0"	5.1"	16.0"	
	48	16.0"	16.0"	16.0"	8.4"	16.0"	16.0"	16.0"	16.0"	4.6"	16.0"	16.0"	11.4"	16.0"	3.4"	9.4"	
	62	16.0"	16.0"	16.0"	6.5"	16.0"	16.0"	12.0"	16.0"	3.5"	10.0"	12.5"	7.8"	12.5"		6.0"	
	76	16.0"	16.0"	16.0"	5.3"	16.0"	13.6"	8.8"	13.6"		6.9"	10.2"	6.0"	10.2"		4.4"	
	90	16.0"	16.0"	16.0"	4.4"	16.0"	11.5"	7.0"	11.5"		5.3"	8.6"	4.8"	8.1"		3.5"	
	105	16.0"	13.2"	16.0"	3.7"	11.4"	9.9"	5.7"	9.8"		4.2"	7.4"	4.0"	6.5"			
	120	15.5"	10.7"	15.5"	3.3"	8.7"	8.6"	4.8"	8.1"		3.5"	6.5"	3.4"	5.4"			
1/4-20 ALL POINTS SOLID- SET WITH 7/8" MIN EMBED AND 1-1/4" MIN. EDGE DISTANCE * 	33	16.0"	16.0"	16.0"	10.3"	16.0"	13.4"	13.4"	13.4"	5.7"	13.4"	10.1"	9.5"	10.1"	4.2"	10.1"	
	48	16.0"	16.0"	16.0"	7.1"	16.0"	9.2"	8.0"	9.2"	3.8"	7.9"	6.9"	4.9"	6.9"		4.0"	
	62	12.9"	12.9"	12.9"	5.5"	12.9"	7.2"	5.1"	7.2"		4.3"	5.4"	3.4"	5.4"			
	76	10.5"	10.4"	10.5"	4.4"	10.5"	5.8"	3.8"	5.8"		3.0"	4.4"		4.4"			
	90	8.9"	7.4"	8.9"	3.7"	7.0"	4.9"	3.0"	4.9"			3.7"		3.5"			
	105	7.6"	5.7"	7.6"	3.1"	4.9"	4.2"		4.2"			3.2"					
	120	6.7"	4.6"	6.7"		3.7"	3.7"		3.5"								
1/4" EA MALE BOLT, 1-1/4" EMBED AND 1.25" EDGE DISTANCE *   OPTIONAL FEMALE CAP	33	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	12.6"	16.0"	16.0"	16.0"	16.0"	9.3"	16.0"	
	48	16.0"	16.0"	16.0"	15.6"	16.0"	16.0"	16.0"	16.0"	8.5"	16.0"	15.2"	10.7"	15.2"	6.2"	8.8"	
	62	16.0"	16.0"	16.0"	12.1"	16.0"	15.6"	11.2"	15.6"	6.4"	9.4"	11.7"	7.3"	11.7"	4.7"	5.6"	
	76	16.0"	16.0"	16.0"	9.8"	16.0"	12.8"	8.3"	12.8"	5.1"	6.5"	9.6"	5.6"	9.6"		4.1"	
	90	16.0"	16.0"	16.0"	8.1"	15.4"	10.8"	6.5"	10.8"	4.3"	4.9"	8.1"	4.5"	7.6"			
	105	16.0"	12.4"	16.0"	6.8"	10.7"	9.2"	5.3"	9.2"			6.9"		6.1"			
	120	14.6"	10.0"	14.6"	5.9"	8.2"	8.1"	4.5"	7.6"			6.1"		5.1"			

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HOST STRUCT.	ANCHOR	LOAD (psf)	EDGE DISTANCES AS NOTED															
			Spans Up To 5'-0"					Spans Up To 9'-0"					Spans Up To 12'-0"					
			CONN TYPE					CONN TYPE					CONN TYPE					
			C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	
GROUT-FILLED CONCRETE BLOCK	#12 SMS W/ 2" EYEWALL ARMOR INSERT W/ 2" EMBED AND 2" EDGE DISTANCE	33	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	10.6"	16.0"	16.0"	16.0"	16.0"	16.0"	7.8"	16.0"
		48	16.0"	16.0"	16.0"	13.1"	16.0"	16.0"	16.0"	7.1"	16.0"	15.8"	11.1"	15.8"	5.2"	9.2"		
		62	16.0"	16.0"	16.0"	10.1"	16.0"	16.0"	11.7"	16.0"	5.4"	9.8"	12.2"	7.6"	12.2"	4.0"	5.9"	
		76	16.0"	16.0"	16.0"	8.2"	16.0"	13.3"	8.6"	13.3"	4.3"	6.7"	10.0"	5.8"	10.0"	3.2"	4.3"	
		90	16.0"	16.0"	16.0"	6.8"	16.0"	11.2"	6.8"	11.2"	3.6"	5.1"	8.4"	4.7"	7.9"		3.4"	
		105	16.0"	12.9"	16.0"	5.8"	11.1"	9.6"	5.6"	9.6"	3.1"	4.1"	7.2"	3.9"	6.3"			
		120	15.1"	10.4"	15.1"	5.0"	8.5"	8.4"	4.7"	7.9"		3.4"	6.3"	3.3"	5.3"			
	5/16" ITW TAPCON XL W/ 2-1/4" MIN. EMBED AND 4" EDGE DISTANCE	33	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"
		48	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"	13.5"	16.0"	
		62	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	13.9"	16.0"	16.0"	15.2"	16.0"	10.2"	11.7"	
		76	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	11.2"	13.4"	16.0"	11.6"	16.0"	8.2"	8.6"	
		90	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	13.5"	16.0"	9.3"	10.2"	16.0"	9.3"	15.7"	6.9"	6.8"	
		105	16.0"	16.0"	16.0"	14.9"	16.0"	16.0"	11.1"	16.0"	7.9"	8.1"	14.4"	7.7"	12.6"	5.9"	5.5"	
		120	16.0"	16.0"	16.0"	12.9"	16.0"	16.0"	9.3"	15.7"	6.9"	6.8"	12.6"	6.6"	10.6"	5.1"	4.7"	
	5/16" DEWALT ULTRAICON W/ 2-1/4" MIN. EMBED	33	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	13.2"	16.0"	16.0"	16.0"	16.0"	9.7"	16.0"	
		48	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	13.9"	16.0"	8.8"	13.7"	12.1"	8.5"	12.1"	6.3"	7.0"	
		62	16.0"	16.0"	16.0"	12.7"	16.0"	12.5"	8.9"	12.5"	6.6"	7.5"	9.4"	5.8"	9.4"			
		76	16.0"	16.0"	16.0"	10.2"	16.0"	10.2"	6.6"	10.2"	5.2"	5.1"	7.6"		7.6"			
		90	15.5"	12.9"	15.5"	8.4"	12.2"	8.6"	5.2"	8.6"			6.4"		6.0"			
		105	13.3"	9.9"	13.3"	7.0"	8.5"	7.4"		7.4"			5.5"					
		120	11.6"	8.0"	11.6"	6.1"	6.5"	6.4"		6.0"								
	1/4" DEWALT ULTRAICON, 2 1/4" EMBED AND 2.5" MIN. EDGE DISTANCE	33	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	12.5"	16.0"	16.0"	16.0"	16.0"	9.3"	16.0"	
		48	16.0"	16.0"	16.0"	15.5"	16.0"	16.0"	16.0"	16.0"	8.4"	16.0"	16.0"	12.0"	16.0"	6.2"	9.9"	
		62	16.0"	16.0"	16.0"	12.0"	16.0"	16.0"	16.0"	12.6"	16.0"	6.4"	10.6"	13.2"	8.3"	13.2"	4.7"	6.3"
76		16.0"	16.0"	16.0"	9.7"	16.0"	14.4"	9.3"	14.4"	5.1"	7.3"	10.8"	6.3"	10.8"	3.8"	4.7"		
90		16.0"	16.0"	16.0"	8.1"	16.0"	12.1"	7.4"	12.1"	4.3"	5.5"	9.1"	5.1"	8.5"		3.7"		
105		16.0"	14.0"	16.0"	6.8"	12.0"	10.4"	6.0"	10.4"	3.6"	4.4"	7.8"	4.2"	6.9"				
120		16.0"	11.3"	16.0"	5.9"	9.2"	9.1"	5.1"	8.5"		3.7"	6.8"	3.6"	5.7"				
1/4" EA MALE BOLT, 2-1/4" EMBED AND 1.25" MIN. EDGE DISTANCE	33	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	13.6"	16.0"	16.0"	16.0"	16.0"	10.1"	16.0"		
	48	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	9.1"	16.0"	16.0"	12.7"	16.0"	6.7"	10.5"		
	62	16.0"	16.0"	16.0"	13.0"	16.0"	16.0"	13.4"	16.0"	6.9"	11.2"	14.0"	8.7"	14.0"	5.1"	6.7"		
	76	16.0"	16.0"	16.0"	10.5"	16.0"	15.2"	9.8"	15.2"	5.5"	7.7"	11.4"	6.7"	11.4"	4.1"	4.9"		
	90	16.0"	16.0"	16.0"	8.7"	16.0"	12.9"	7.8"	12.9"	4.6"	5.9"	9.6"	5.4"	9.0"		3.9"		
	105	16.0"	14.8"	16.0"	7.4"	12.7"	11.0"	6.4"	11.0"	3.9"	4.7"	8.3"	4.5"	7.3"				
	120	16.0"	12.0"	16.0"	6.4"	9.7"	9.6"	5.4"	9.0"		3.9"	7.2"	3.8"	6.1"				
1/4" EA MALE BOLT, 2-1/2" EMBED AND 1.25" MIN. EDGE DISTANCE	33	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	14.9"	16.0"	16.0"	16.0"	16.0"	11.0"	16.0"		
	48	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	16.0"	10.0"	16.0"	16.0"	16.0"	12.7"	16.0"	7.3"	10.5"	
	62	16.0"	16.0"	16.0"	14.3"	16.0"	16.0"	13.4"	16.0"	7.5"	11.2"	14.0"	8.7"	14.0"	5.5"	6.7"		
	76	16.0"	16.0"	16.0"	11.6"	16.0"	15.2"	9.8"	15.2"	6.0"	7.7"	11.4"	6.7"	11.4"	4.5"	4.9"		
	90	16.0"	16.0"	16.0"	9.6"	16.0"	12.9"	7.8"	12.9"	5.1"	5.9"	9.6"	5.4"	9.0"	3.7"	3.9"		
	105	16.0"	14.8"	16.0"	8.1"	12.7"	11.0"	6.4"	11.0"	4.3"	4.7"	8.3"	4.5"	7.3"				
	120	16.0"	12.0"	16.0"	7.0"	9.7"	9.6"	5.4"	9.0"	3.7"	3.9"	7.2"	3.8"	6.1"				