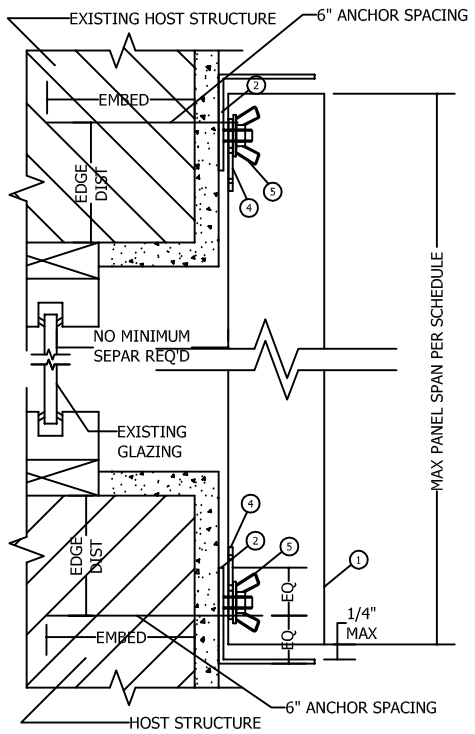
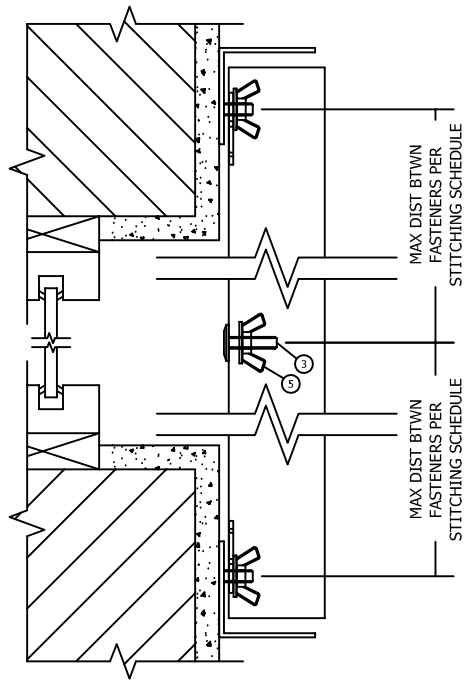


1/2 MOUNTING SECTION
3" = 1'-0"
VERT SECTION

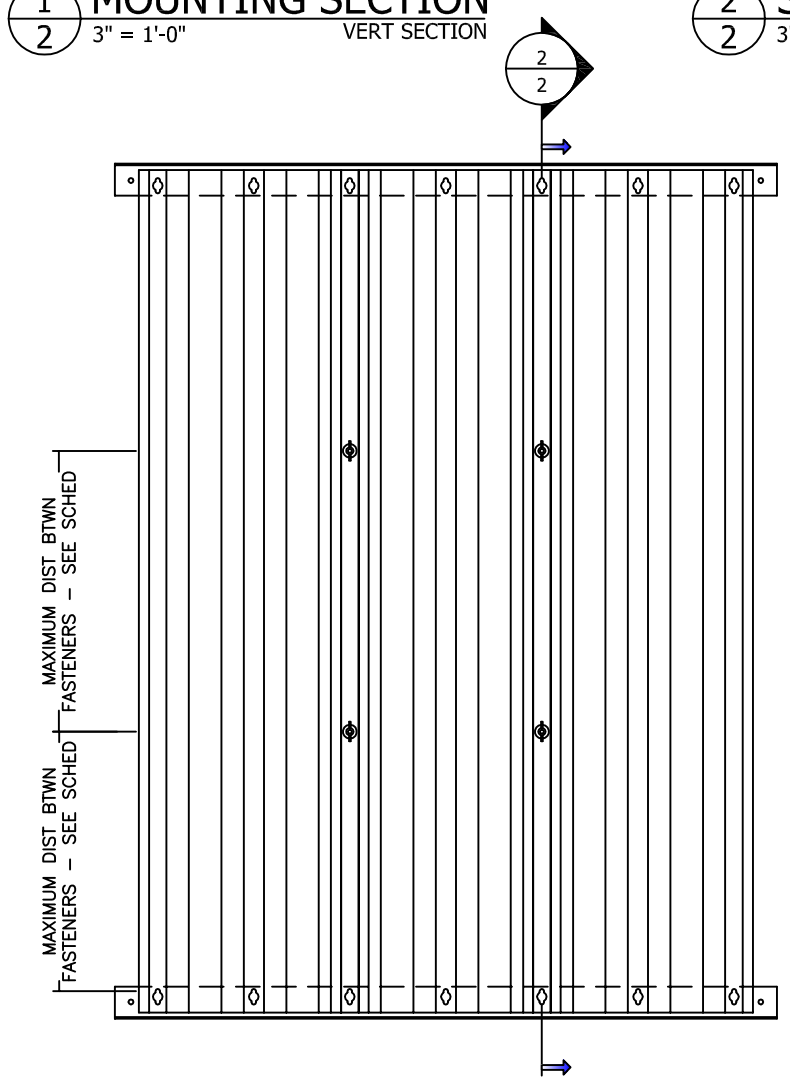


STITCHING SCHEDULE:
1 STITCH IN MIDDLE OF PANEL UP TO 68" PANEL LENGTH THEN 2 STITCHES AT $\frac{1}{3}$ THE OVERALL PANEL LENGTH FOR PANEL LENGTHS BETWEEN 68" AND 88"

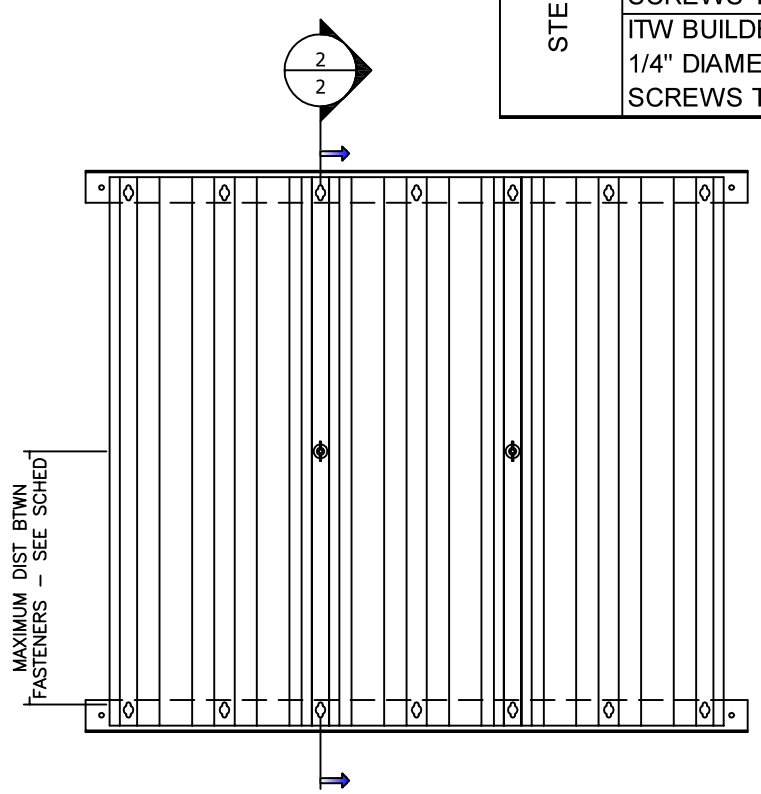
2/2 STITCHING SECTION
3" = 1'-0"
VERT SECTION

HOST STRUCT.	ANCHOR TYPE	MIN EDGE DISTANCE	MIN EMBEDMENT
CONCRETE	3/16" DIA ITW TAPCON (MIN 4000 PSI CONCRETE)	2"	1-1/2"
	1/4" DIA ITW TAPCON (MIN 2000 PSI CONCRETE)	2-1/2"	1-1/2"
	1/4" DIA TEXTRON PANELMATE (MIN 3300 PSI CONCRETE)	2"	1-3/4"
	1/4" DIA ALL POINTS SOLID SET ANCHOR & 1/4-20 STAINLESS STEEL MACHINE SCREW (MIN 3000 PSI CONCRETE)	1-1/4"	7/8"
	POWERS ZAMAC NAILIN 1/4" DIA (MIN 2000 PSI CONCRETE)	2"	1-1/8"
HOLLOW MASONRY BLOCK	1/4" DIA ITW TAPCON	2-1/2"	1-1/2"
	1/4" DIA ALL POINT SOLID SET ANCHOR & 1/4-20 STAINLESS STEEL MACHINE SCREW	1-1/4"	7/8"
	1/4" DIA TEXTRON PANELMATE	2"	1-1/4"
	POWERS ZAMAC NAILIN 1/4" DIA	2"	1-1/8"
WOOD	1/4" DIA LAG SCREW	1"	1"
	1/4" DIA WOOD SCREW	1"	1"
	1/4" DIA TEXTRON PANELMATE	3/4"	1-7/8"
	ALL POINTS BRASS WOOD BUSHINGS W/ 1/4-20x5/8" SIDE WALK BOLT	3/4"	1-1/8"
STEEL	ELCO INDUSTRIES "DRILL-FLEX" AND "KWIK-FLEX" 1/4"-14 SELF DRILLING SCREWS THROUGH MIN 18 GA STEEL	N/A	N/A
	ITW BUILDEX 410 STAINLESS STEEL TEKS 1/4" DIAMETER-14 SELF DRILLING SCREWS THROUGH MIN 18 GA STEEL	N/A	N/A

SPAN (INCHES)	ALLOWABLE DESIGN WIND PRESSURE (PSF)
33	77.2
34	76.9
36	76.3
38	75.6
40	75.0
42	74.4
44	73.8
46	73.1
48	72.5
50	71.9
52	71.3
54	70.6
56	70.0
58	69.4
60	68.8
62	68.1
64	67.5
66	66.9
68	66.3
70	65.6
72	65.0
74	64.4
76	63.8
78	63.1
80	62.5
82	61.9
84	61.3
86	60.6
88	60.0



4/2 STITCHING ELEVATION
1" = 1'-0"
TALL PANELS



3/2 STITCHING ELEVATION
1" = 1'-0"
SHORT PANELS

HR
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FAX: 717-846-0355

ALLEN N. REEVES, P.E.
STRUCTURAL ENGINEER
TEXAS LICENSE NO. 84141

12" EFFECTIVE WIDTH POLYCARBONATE STORM PANEL SYSTEM

GUARDIAN BUILDING PRODUCTS, INC.
979 BATESVILLE ROAD
GREER, S.C. 29651

REVISIONS

NO.	DATE	BY	DESCRIPTION

DATE: 10 OCT 2007

DRAWN: TRM

CHKED: ANR

PROJECT NUMBER 07090013

SHEET 2 OF 2