

GENERAL NOTES:

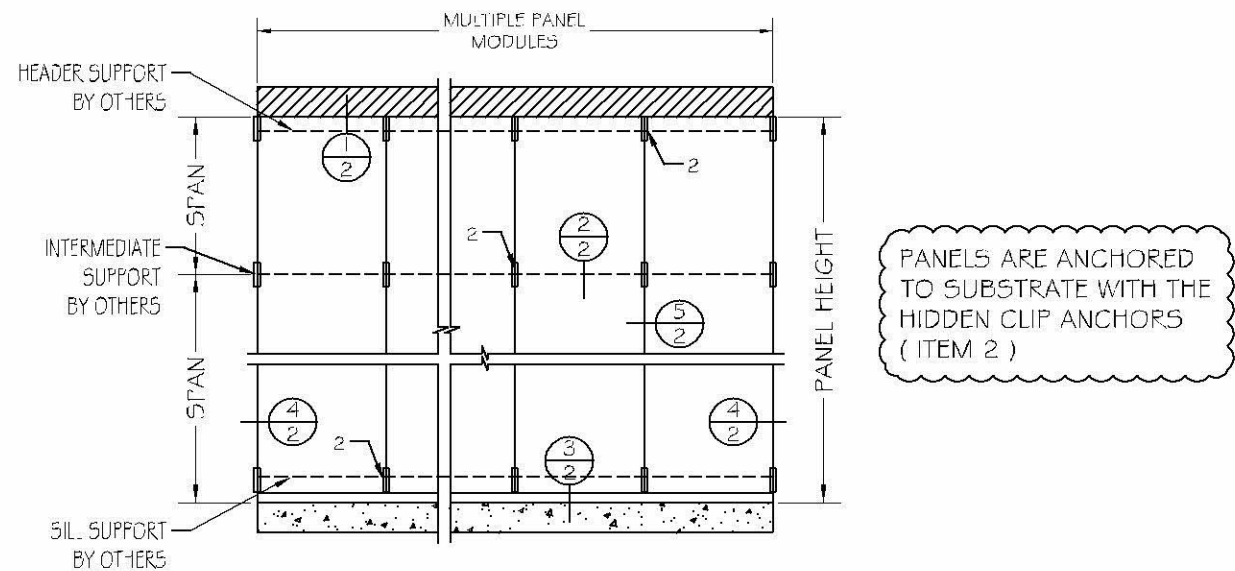
- 1- DESCRIPTION: THIS PRODUCT IS AN INSULATED METAL PANEL APPLICABLE FOR EXTERIOR BUILDING ENCLOSURE WALL. THIS PRODUCT IS DESIGNED AND TESTED IN COMPLIANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2023 (8TH EDITION). NOT FOR USE IN THE HIGH VELOCITY HURRICANE ZONES. (HVHZ)
- 2- SYSTEM HAS BEEN TESTED UNDER TAS 202, TAS 201 (LARGE MISSILE) AND TAS 203. INDIVIDUAL WALL AND ROOF PANELS WERE TESTED UNDER ASTM E72
- 3- POLYISOCYANURATE (FOAMED IN PLACE), ALSO REFERED AS PIR, POLYISO OR ISO IS A THERMOSET PLASTIC USE AS PANELS INSULATION.
- 4- UNIT CAN VARY IN SIZE HOWEVER SPACING OF THE STRUCTURAL SUPPORT ELEMENTS, PANEL MODULE SIZE, THICKNESS AND CONNECTIONS MUST FOLLOW THE DESIGN SPECIFIED IN THIS DRAWINGS.
- 7- IT SHALL BE THE RESPONSIBILITY OF THE PERMIT HOLDER TO VERIFY THE STRUCTURAL INTEGRITY OF THE EXISTING STRUCTURE TO SUPPORT THE LOADS SUPERIMPOSED BY THE PANELS.
- 8- PANELS ARE TO BE USED ONLY AS A WALL CLADDING TO RESIST TRANSVERSE LOADS AS INDICATED ON TABLES 1, 2 AND 3. THEY ARE NOT DESIGNED TO CARRY BEARING OR SWAYING (RACKING) LOADS.

PRODUCT TEST METHODS:

TAS 201-94, TAS 202-94, TAS 203-94,
ASTM E8/E8M-22, ASTM D1654-08 (2016)el, ASTM E72,
ASTM C272 AND ASTM C273

SYSTEM PROPERTIES:

PANEL UNIT OVERALL SIZE: 44 3/8" WIDTH X MAXIMUM 50 FEET LENGTH
PANEL COVERAGE: 42"
PANEL UNIT THICKNESS: 2", 2.5", 3", 4", 5", 6", 8"
SYSTEM ALLOWABLE LATERAL DESIGNED PRESSURE (ASD): USE THE MINIMUM VALUE FROM TABLES 1, 2 AND 3.



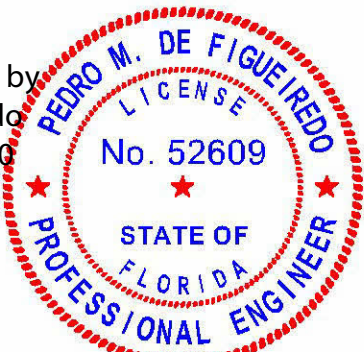
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2	PANEL BASIC SECTIONS
3	PANEL ANCHORAGE TO SUBSTRATE, TABLE 3
4	PRODUCT COMPONENTS

Pedro
Figueiredo

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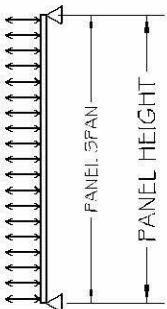
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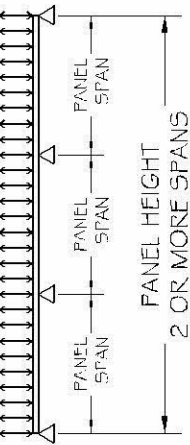
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TABLE 1 - ALLOWABLE TRANSVERSE DESIGN PRESSURES (PSF) SIMPLY SUPPORTED SPAN PANEL														
PANEL HEIGHT (INCHES)	PANEL THICKNESS													
	2"		2.5"		3"		4"		5"		6"		8"	
	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG
64	50	102	50	113	50	125	50	151	50	181	50	215	50	292
72	50	90	50	100	50	110	50	134	50	160	50	189	50	257
84	50	75	50	83	50	93	50	113	50	136	50	161	50	219
96	50	56	50	66	50	76	50	97	50	118	50	141	50	188
108	44	44	50	54	50	64	50	82	50	100	50	116	50	147
120	35	35	43	43	50	51	50	66	50	80	50	94	50	118
132	29	29	36	36	42	42	50	54	50	66	50	77	50	97
144	24	24	30	30	35	35	45	45	50	55	50	64	50	81



NOTES: 1- POSITIVE PRESSURE LIMITED BY 50 PSF BY WATER INFILTRATION TEST
2- TABLE VALUES ARE ACCEPTABLE FOR L/120 OR L/180 DEFLECTION

TABLE 2 - ALLOWABLE TRANSVERSE DESIGN PRESSURES (PSF) PANELS WITH TWO OR MORE SPANS														
PANEL SPAN (INCHES)	PANEL THICKNESS													
	2"		2.5"		3"		4"		5"		6"		8"	
	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG
60	32	32	40	40	48	48	50	64	50	80	50	91	50	112
66	29	29	36	36	44	44	50	58	50	73	50	82	50	102
72	27	27	33	33	40	40	50	53	50	67	50	76	50	93
78	23	23	28	28	34	34	45	45	50	57	50	64	50	80
84	20	20	24	24	29	29	39	39	49	49	50	56	50	69
90	17	17	21	21	26	26	34	34	43	43	48	48	50	60
96	15	15	19	19	23	23	30	30	38	38	43	43	50	53
102	13	13	17	17	20	20	27	27	33	33	38	38	47	47
108	12	12	15	15	18	18	24	24	30	30	34	34	41	41
114	11	11	13	13	16	16	21	21	27	27	30	30	37	37
120	10	10	12	12	14	14	19	19	24	24	27	27	34	34
126	9	9	11	11	13	13	17	17	22	22	25	25	30	30
132	8	8	10	10	12	12	16	16	20	20	22	22	28	28
138	7	7	9	9	11	11	15	15	18	18	21	21	25	25
144	7	7	8	8	10	10	13	13	17	17	19	19	23	23



NOTES: 1- POSITIVE PRESSURE LIMITED BY 50 PSF BY WATER INFILTRATION TEST
2- TABLE VALUES ARE ACCEPTABLE FOR L/120 OR L/180 DEFLECTION

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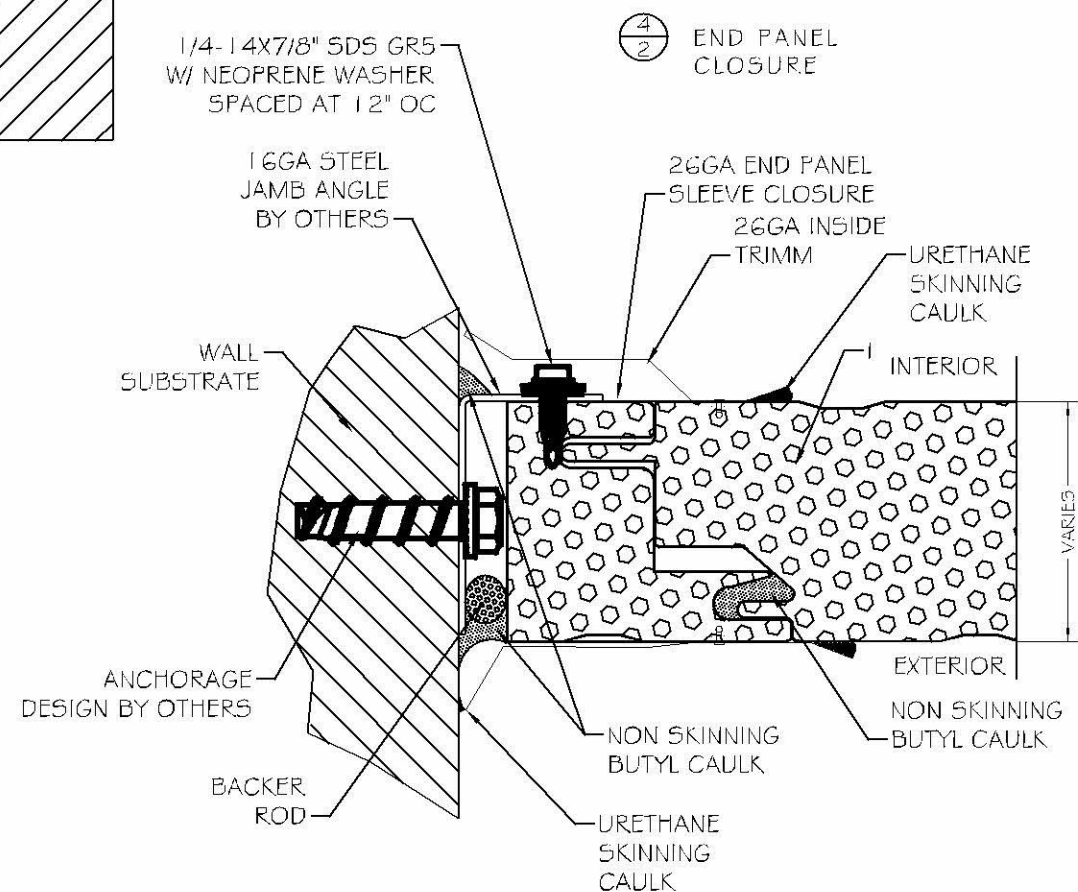
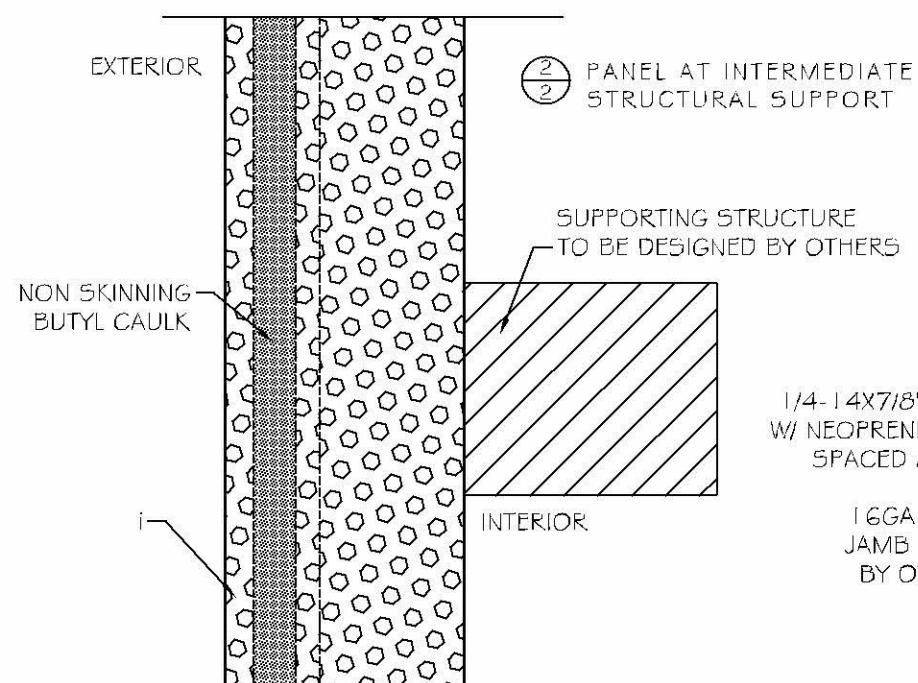
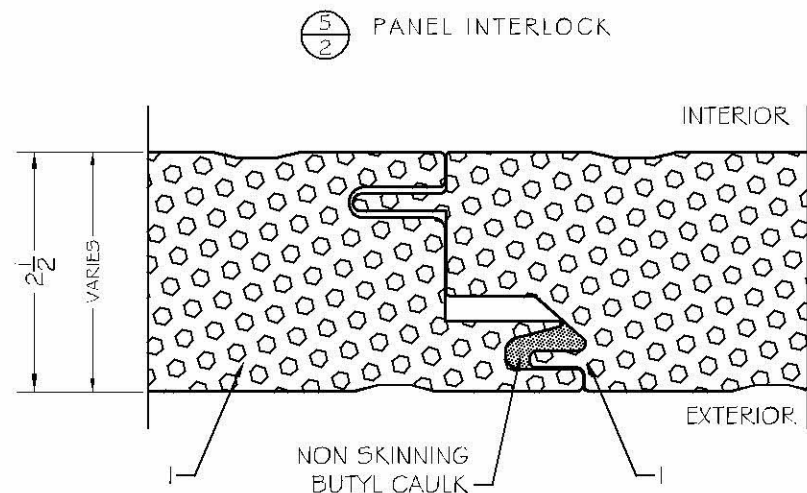
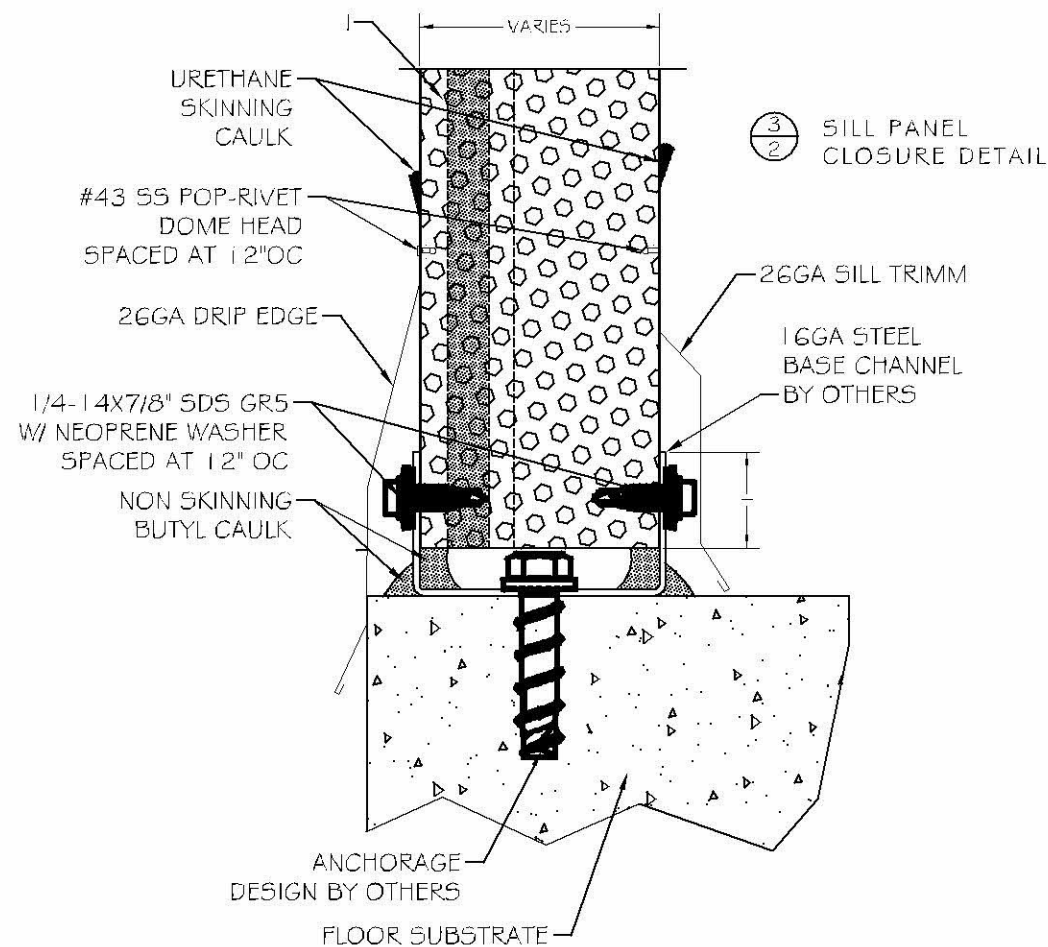
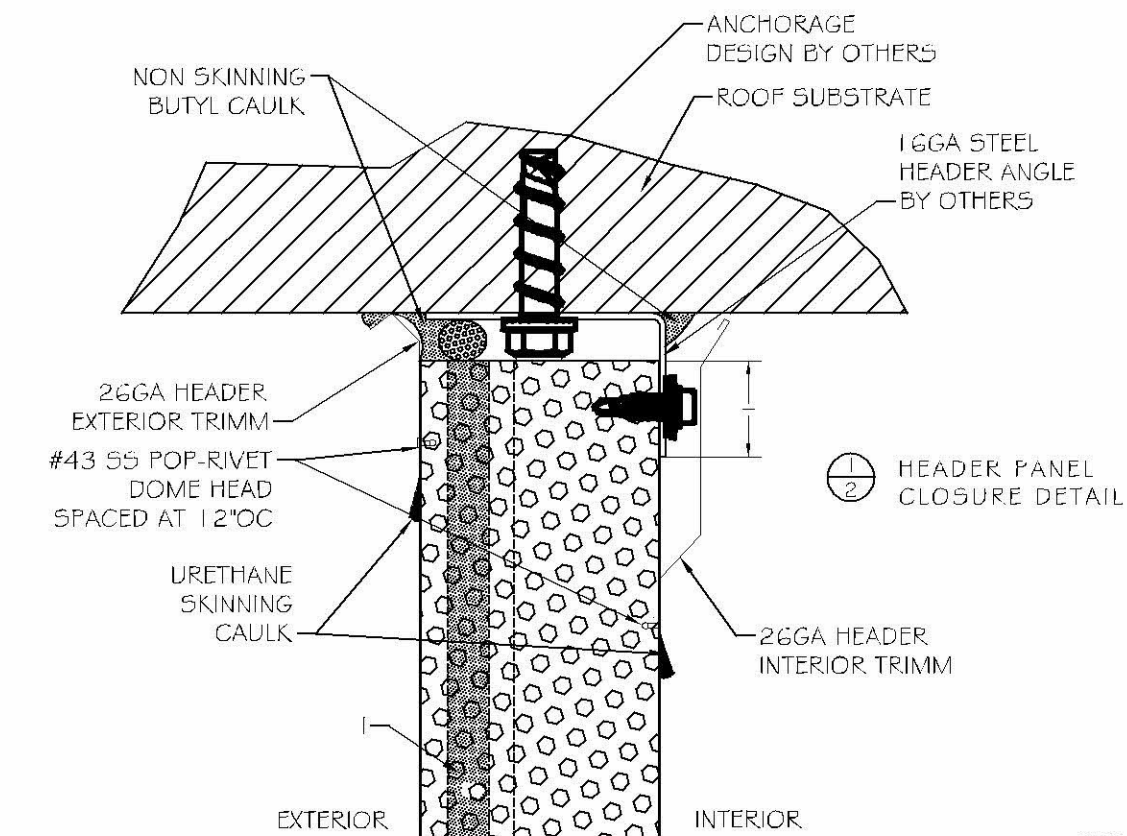


PRODUCT: INSULATED METAL PANELS
PERMA-CORE - HF PANELS

Perma-Core
INSULATED METAL PANELS
269 INDUSTRIAL PARK ROAD
MONTICELLO, GA 31064
PH.: (706) 623-0530

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PANEL BASIC SECTIONS



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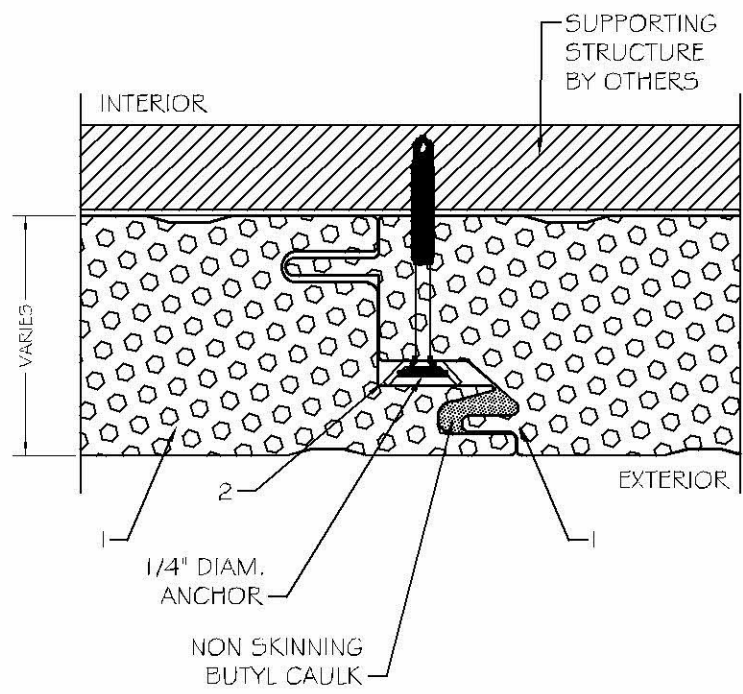
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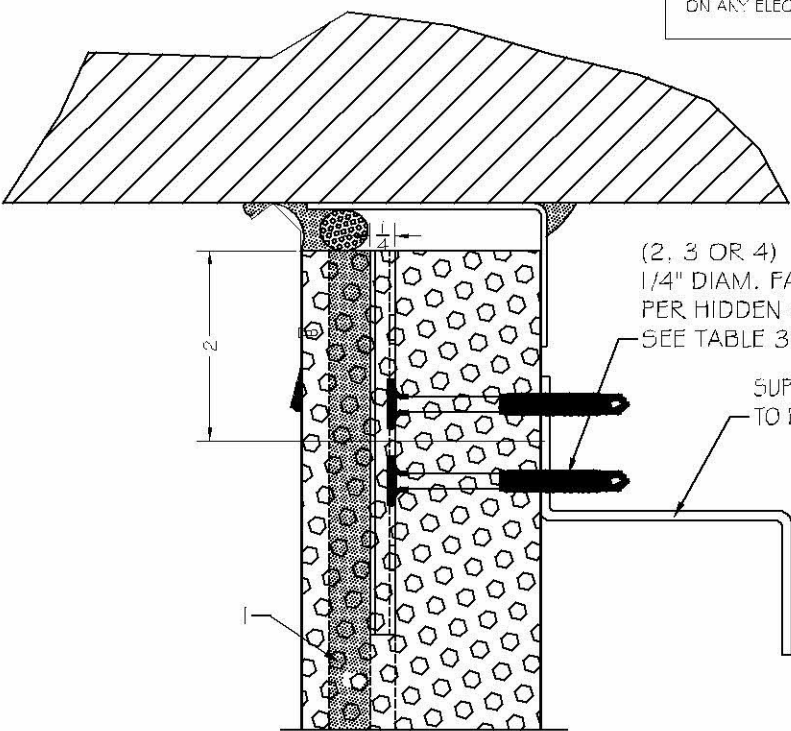
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PANEL ANCHORAGE TO SUBSTRATE



HIDDEN PANEL FASTENERS AT TOP / BOTTOM AND INTERMEDIATE SPAN

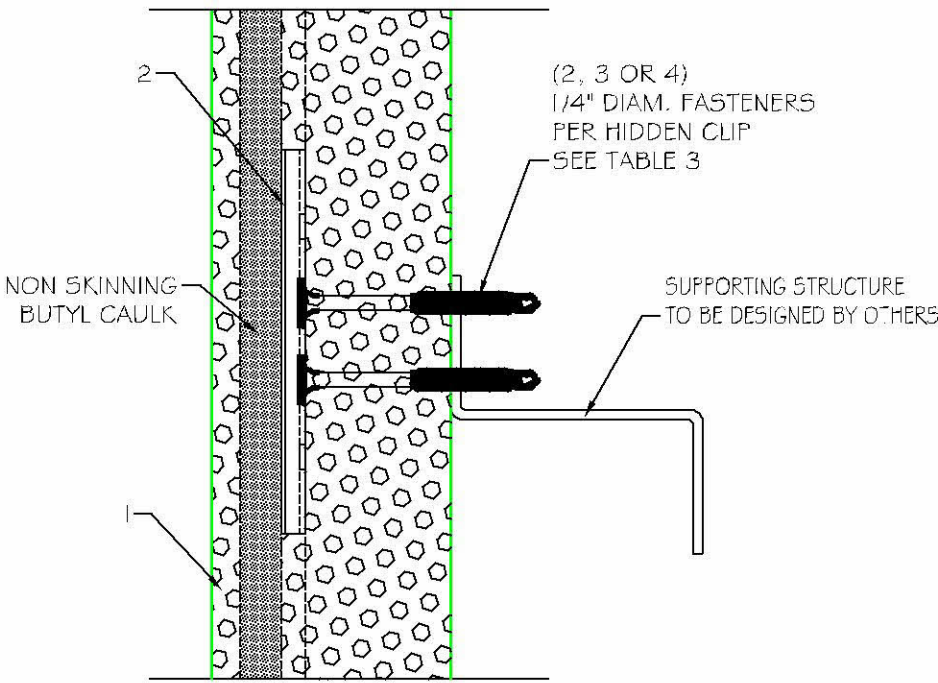


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HIDDEN PANEL FASTENERS AT INTERMEDIATE SPAN



HIDDEN PANEL FASTENERS AT BOTTOM

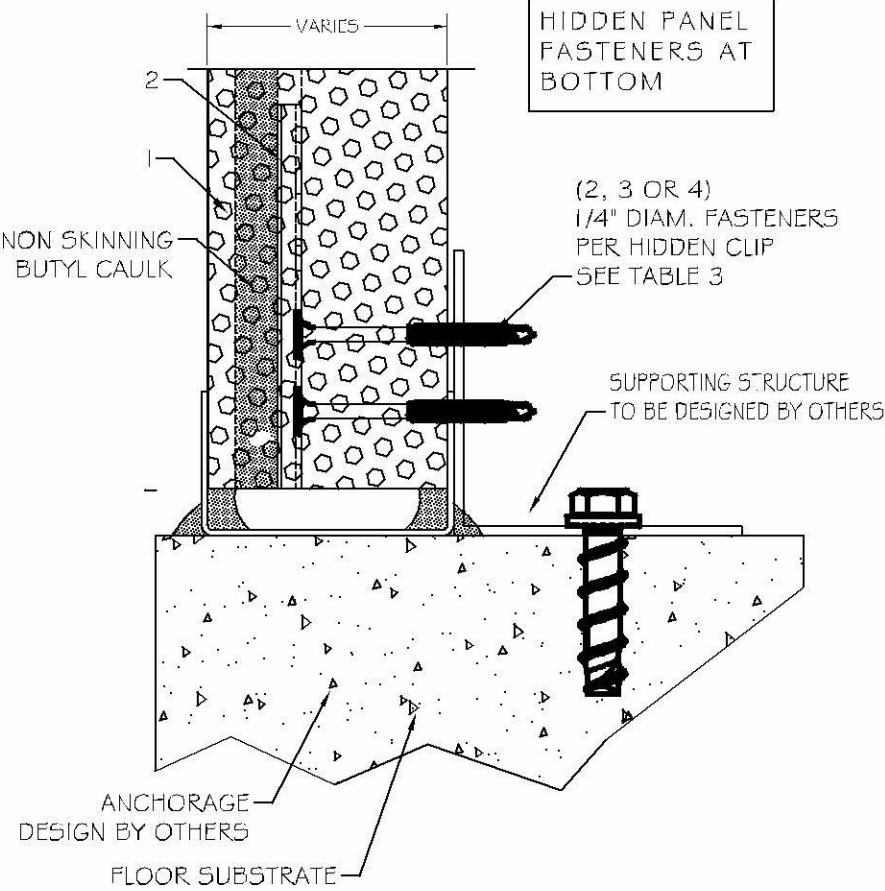


TABLE 3 - ALLOWABLE TRANSVERSE DESIGN PRESSURES (PSF) FUNCTION OF ANCHORAGE CAPACITY

PANEL SPAN (INCHES)	PANELS WITH ONE SPAN			PANELS W/ 2 OR MORE SPANS		
	2 SCREWS	3 SCREWS	4 SCREWS	2 SCREWS	3 SCREWS	4 SCREWS
60	56	84	112	22	34	45
66	51	76	102	20	31	41
72	47	70	93	19	28	37
78	43	65	86	17	26	34
84	40	60	80	16	24	32
90	37	56	75	15	22	30
96	35	53	70	14	21	28
102	33	49	66	13	20	26
108	31	47	62	12	19	25
114	29	44	59	12	18	24
120	28	42	56	11	17	22
126	27	40	53	11	16	21
132	25	38	51	10	15	20
138	24	37	49	10	15	19
144	23	35	47	9	14	19

TABLE 3 NOTES:
1- ALL HIDDEN CLIPS CONNECTED TO 1/6 GA STEEL SUPPORTS
2- MINIMUM 2 ANCHORS PER CLIP
3- 1/4"-14 (PANCAKE / HEX HEAD) CARBON STEEL TYPE 3 XL COATED BY FSI FASTENERS
4- USE THE MINIMUM VALUES FROM TABLES 1, 2 AND 3

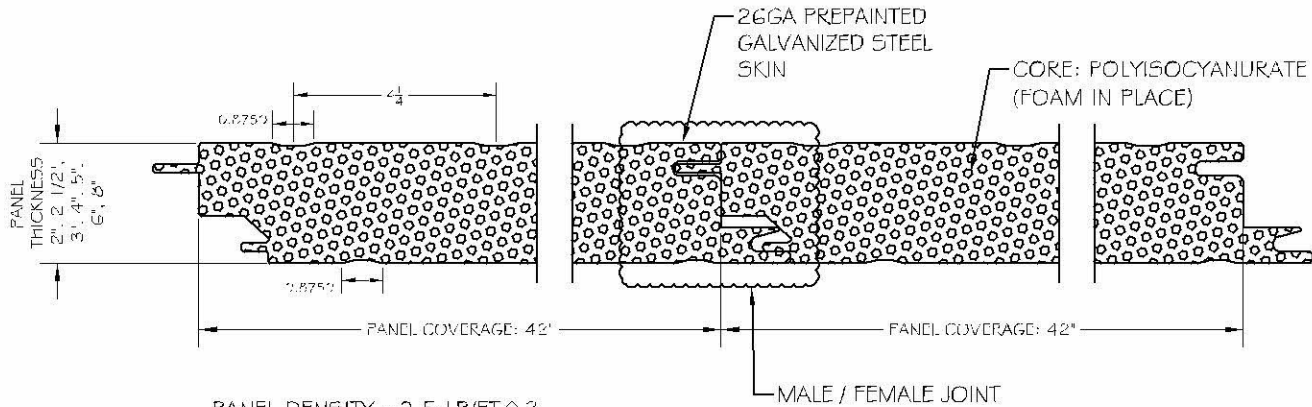
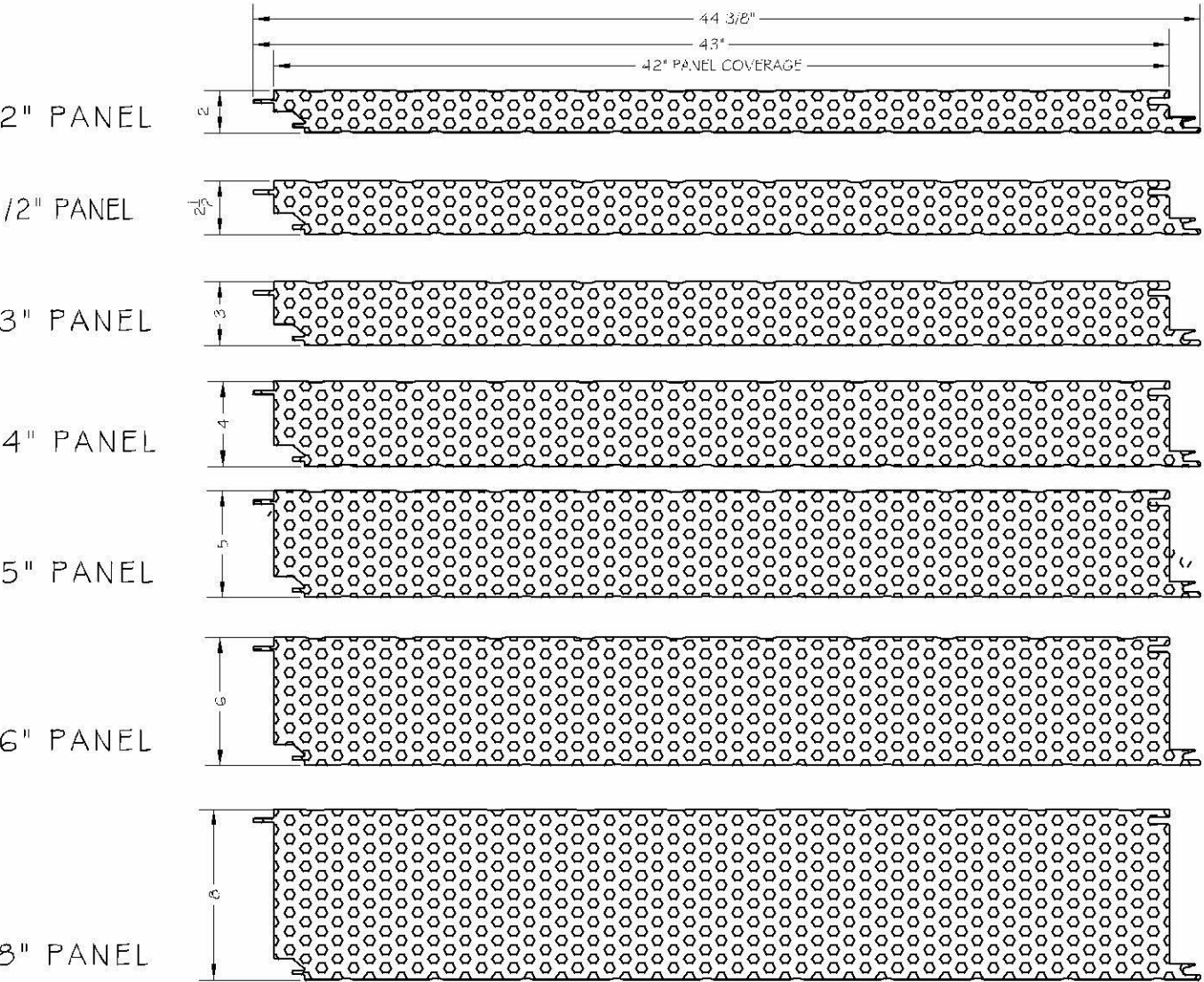
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PRODUCT COMPONENTS

1- INSULATED PANEL - 2", 2 1/2", 3", 4", 5", 6", 8"

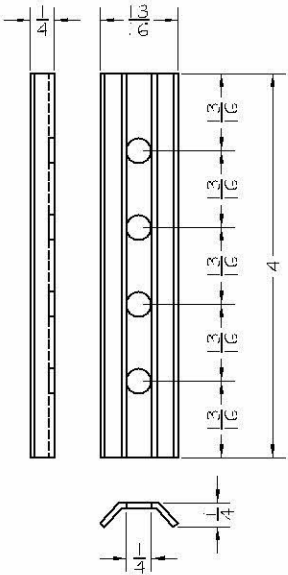


PANEL DENSITY - 2.5 LB/FT³
LAMINATED WITH ELASTOPOR ADHESIVE BY BASF
PART A - P 13100R RESIN
PART B - P 13100IU ISOCYANATE

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2- STEEL HIDDEN CLIP
10GA GALVANIZED CLIP

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