

HORIZONTAL SECTION



STEEL LOUVER
ST-635V STF-635V

STANDARD SPECIFICATIONS

- CONST. - FORMED GALVANIZED STEEL, WELDED ASSEMBLY
- FRAME - 6" X 1" X 16 GAUGE (152.4MM X 25.4MM X 1.6MM) CHANNEL, SIDE DRAIN CHANNELS, 5° SLOPED SILL, BUTT CORNERS
- BLADES - 6" X 16 GAUGE (152.4MM X 1.6MM), SET AT 35°, 4.5" (114.3MM) SPACING, TYPE "V" CARRIES WATER TO SIDE DRAIN CHANNELS, SUPPORTS AT 48" (1219.2MM) W CENTERS
- SCREEN - .75" X .75" (19.1MM X 19.1MM) X 18 GA. GALVANIZED, SCREW FASTENED
- FINISH - MILL GALVANIZED
- SIZE - MINIMUM 12" W X 12" H (304.8MM X 304.8MM)
MAXIMUM SECTION WIDTH 72" (1828.8MM)
MAXIMUM SECTION HEIGHT 120" (3048MM)
MAXIMUM SECTION SIZE 40 SQ. FT.

OPTIONS

- FRAME - STF - ADD FLANGE FRAME 1.5" (38.1MM) USING A 2.5" X 12 GAUGE (63.5MM X 2.8MM) FLAT BAR
- SCREEN - AS PER REQUEST
- FINISH - MINIMUM PRIME OR BAKED ENAMEL IS RECOMMENDED

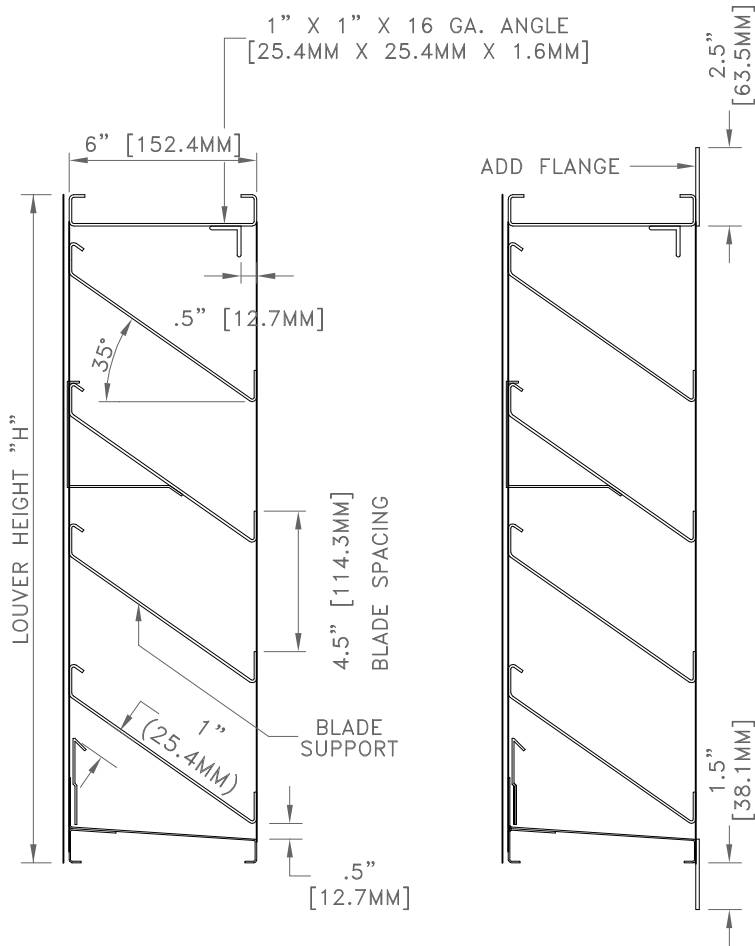
TECHNICAL NOTES

CORROSION RESISTANCE IS LOST UPON WELDING, SEE OPTIONAL FINISHES ABOVE

MAX. REC. INTAKE VEL. - 1240 FPM THROUGH FREE AREA
SHIPPING WEIGHT - APPROX. 12 LBS./SQ. FT.

LOUVERS ARE MANUFACTURED .5" (12.7MM) SMALLER THAN ORDERED SIZE UNLESS EXACT DIMENSIONS ARE STATED

* FOR MORE INFORMATION, CONTACT OUR FACTORY *



ST-635V

VERTICAL SECTION

STF-635V

VERTICAL SECTION

NOTES

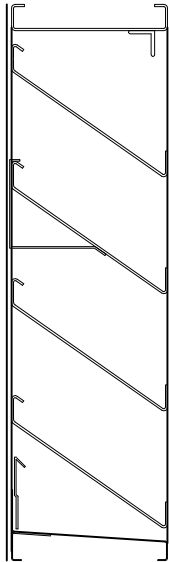
APPROVAL

DATE:
PROJECT:
ENGINEER:
CUSTOMER:
DISTRIBUTOR:

1589-JS



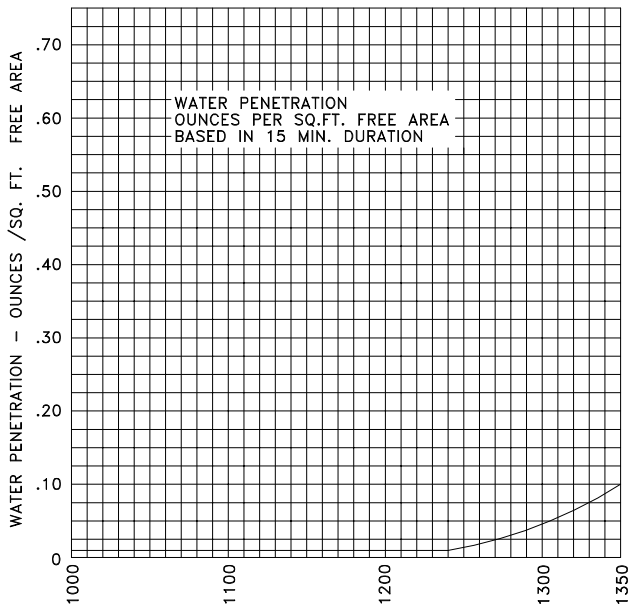
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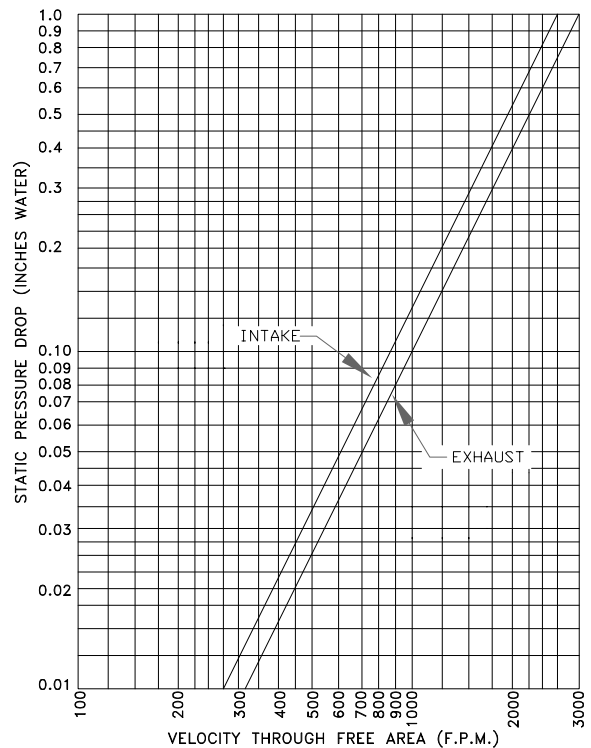
TEST
CONDITIONS:
A 48" X 48"
LOUVER WAS
USED FOR
THE TEST
AT STANDARD
AND
OPERATING
TEMPERATURE
RANGE OF
65°F - 85°F,
AND
15 MINUTES
TEST DURATION
WATER PENETRATION

		WIDTH (INCHES)										
		12	18	24	30	36	42	48	54	60	66	72
HEIGHT (INCHES)	12	0.30	0.47	0.65	0.83	1.00	1.18	1.36	1.53	1.71	1.89	2.07
	16	0.48	0.77	1.05	1.34	1.63	1.92	2.20	2.49	2.78	3.06	3.35
	20	0.62	1.00	1.37	1.75	2.12	2.50	2.87	3.25	3.62	4.00	4.37
	24	0.81	1.29	1.78	2.26	2.75	3.23	3.72	4.20	5.75	5.17	5.66
	28	0.99	1.59	2.18	2.78	3.37	3.97	4.56	5.16	6.82	6.35	6.95
	32	1.18	1.88	2.59	3.29	4.00	4.70	5.41	6.12	7.89	7.53	8.23
	36	1.36	2.18	2.99	3.81	4.62	5.44	6.26	7.07	8.95	8.70	9.52
	40	1.54	2.47	3.40	4.32	5.25	6.18	7.10	8.03	9.53	9.88	10.81
	44	1.73	2.76	3.80	4.84	5.87	6.91	7.95	8.96	10.02	11.06	12.09
	48	1.87	3.00	4.12	5.25	6.37	7.49	8.62	9.74	10.87	11.99	13.11
	52	2.06	3.29	4.53	5.76	6.99	8.23	9.46	10.70	11.93	13.17	14.40
	56	2.24	3.59	4.93	6.28	7.62	8.96	10.31	11.65	13.00	14.34	15.69
60	2.43	3.88	5.34	6.76	8.25	9.70	11.16	12.61	14.07	15.52	16.96	
64	2.61	4.17	5.74	7.30	8.87	10.44	12.00	13.57	15.13	16.70	18.26	
68	2.79	4.47	6.14	7.82	9.50	11.17	12.85	14.52	16.20	17.87	19.55	
72	2.96	4.76	6.55	8.33	10.12	11.91	13.89	15.48	17.26	19.05	20.85	
76	3.12	5.00	6.87	8.74	10.62	12.49	14.36	16.24	18.11	19.98	21.86	
80	3.31	5.29	7.27	9.26	11.24	13.22	15.21	17.19	19.18	21.16	23.14	
84	3.49	5.58	7.68	9.77	11.78	13.96	16.05	18.15	20.24	22.34	24.43	
88	3.67	5.88	8.08	10.29	12.49	14.70	16.90	19.10	21.31	23.51	25.72	
92	3.86	6.17	8.49	10.80	13.12	15.43	17.75	20.06	22.38	24.69	27.00	
96	4.04	6.47	8.89	11.32	13.74	16.17	18.59	21.02	23.44	25.87	28.29	
100	4.23	6.76	9.30	11.83	14.37	16.90	19.44	21.97	24.51	27.04	29.58	
104	4.37	6.99	9.62	12.24	14.83	17.48	20.11	22.73	25.35	27.98	30.60	
108	4.56	7.29	10.02	12.75	15.49	18.22	20.95	23.69	26.42	29.15	31.89	
112	4.74	7.58	10.43	13.27	16.11	18.96	21.80	24.64	27.49	30.33	33.17	
116	4.92	7.88	10.83	13.78	16.74	19.69	22.64	25.60	28.55	31.51	34.46	
120	5.11	8.17	11.23	14.30	17.36	20.43	23.49	26.55	29.62	32.68	35.75	

FREE AREA TABLE (SQUARE FEET)
RATINGS INCLUDE THE EFFECT OF A BIRD SCREEN



WATER PENETRATION GRAPH
1240 F.P.M. BEGINNING OF WATER PENETRATION
(14.09 MPH WIND)



AIR PERFORMANCE GRAPH

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