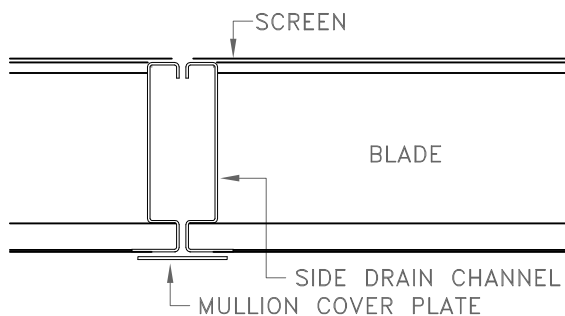




HORIZONTAL SECTION



STEEL LOUVER ST-645U STF-645U

STANDARD SPECIFICATIONS

- CONST. - FORMED GALVANIZED STEEL, WELDED ASSEMBLY
- FRAME - 6" X 1" X 16 GA. (152.4MM X 25.4MM X 1.6MM) CHANNEL, SIDE DRAIN CHANNELS, 5° SLOPED SILL, BUTT CORNERS
- BLADES - 6" X 16 GA. (152.4MM X 1.6 MM) SET AT 45°, 6" (152.4MM) SPACING, TYPE "U" 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 16" H (304.8MM X 406.4MM)
MAXIMUM SECTION WIDTH 72" (1828.8MM)
MAXIMUM SECTION HEIGHT 96" (2438.4MM)
MAXIMUM SECTION SIZE 48 SQ. FT.

OPTIONS

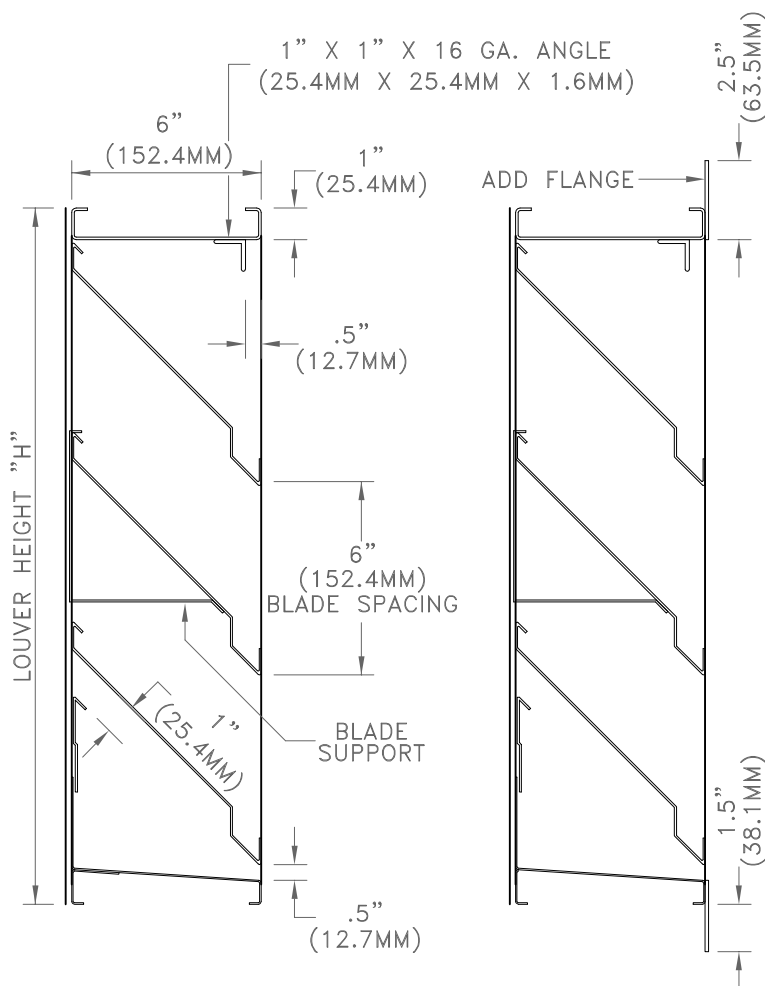
- FRAME - STF - ADD FLANGE FRAME 1.5" (38.1MM) USING A 2.5" X 12 GAUGE (63.5MM X 2.8MM) FLAT BAR
- SCREEN - AS PER REQUEST
- FINISH - PRIME COAT, BAKED ENAMEL, AND OTHERS

TECHNICAL NOTES

- MAX. REC. INTAKE VEL. - 1050 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-645U

VERTICAL SECTION

STF-645U

VERTICAL SECTION

NOTES

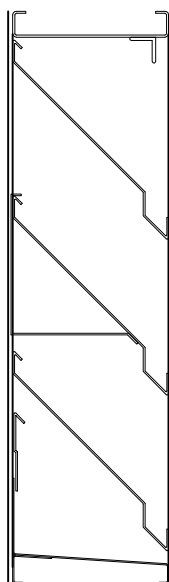
APPROVAL

DATE:
PROJECT:
ENGINEER:
CUSTOMER:
DISTRIBUTOR:

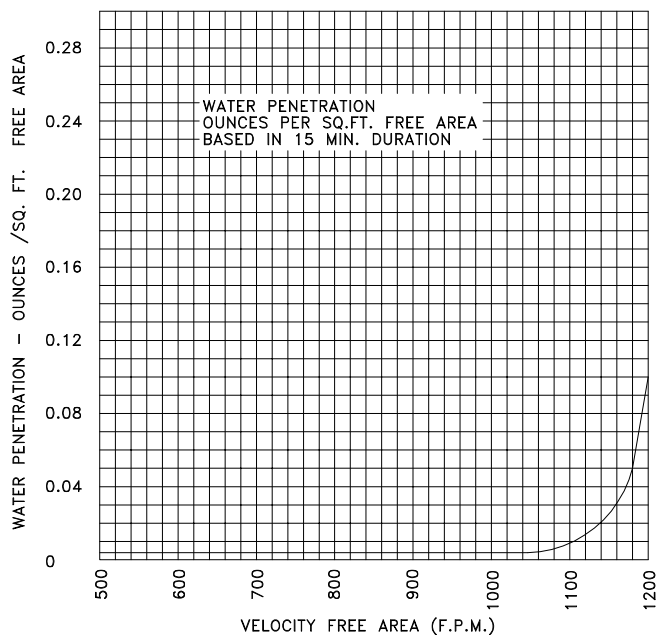
ST-645U



STEEL LOUVER ST-645U



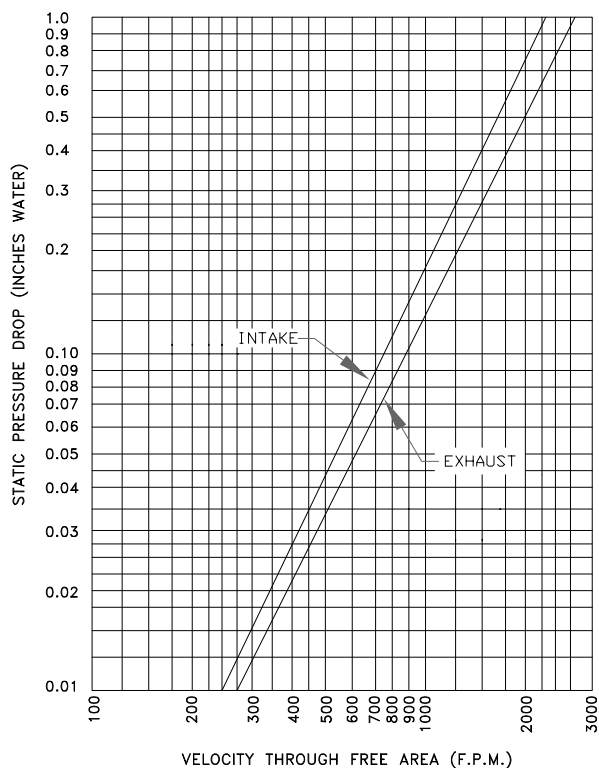
TEST
CONDITIONS:
A 48" X 48"
LOUVER WAS
USED FOR
THE TEST
AT STANDARD
AND
OPERATING
TEMPERATURE
RANGE OF
65°F - 85°F,
AND
15 MINUTES
TEST DURATION
WATER PENETRATION



WATER PENETRATION GRAPH
1050 F.P.M. BEGINNING OF WATER PENETRATION
(11.9 MPH WIND)

	WIDTH (INCHES)										
	12	18	24	30	36	42	48	54	60	66	72
18	0.41	0.69	0.97	1.25	1.53	1.82	2.10	2.38	2.66	2.94	3.23
24	0.63	1.07	1.51	1.95	2.39	2.82	3.26	3.70	4.14	4.58	5.02
30	0.86	1.45	2.05	2.64	3.24	3.83	4.43	5.02	5.62	6.21	6.81
36	1.08	1.83	2.59	3.34	4.09	4.84	5.59	6.35	7.10	7.85	8.60
42	1.31	2.22	3.12	4.03	4.94	5.85	6.76	7.67	8.58	9.48	10.39
48	1.53	2.60	3.66	4.73	5.79	6.86	7.92	8.99	10.05	11.12	12.19
54	1.76	2.98	4.20	5.42	6.65	7.87	9.09	10.31	11.53	12.76	13.98
60	1.98	3.36	4.74	6.12	7.50	8.88	10.25	11.63	13.01	14.39	15.77
66	2.21	3.74	5.28	6.81	8.35	9.88	11.42	12.96	14.49	16.03	17.56
72	2.43	4.12	5.82	7.51	9.20	10.89	12.59	14.28	15.97	17.66	19.35
78	2.66	4.51	6.36	8.20	10.05	11.90	13.75	15.60	17.45	19.30	21.15
84	2.88	4.89	6.89	8.90	10.91	12.91	14.92	16.92	18.93	20.93	22.94
90	3.11	5.27	7.43	9.59	11.76	13.92	16.08	18.24	20.41	22.57	24.73
96	3.33	5.65	7.97	10.29	12.61	14.93	17.25	19.57	21.88	24.20	26.52
102	3.56	6.03	8.51	10.99	13.46	15.94	18.41	20.89	23.36	25.84	28.31
108	3.78	6.42	9.05	11.68	14.31	16.95	19.58	22.21	24.84	27.47	30.11
114	4.01	6.80	9.59	12.38	15.17	17.95	20.74	23.53	26.32	29.11	31.90
120	4.23	7.18	10.13	13.07	16.02	18.96	21.91	24.85	27.80	30.75	33.69
126	4.46	7.56	10.66	13.77	16.87	19.97	23.07	26.18	29.28	32.38	35.48
132	4.68	7.94	11.20	14.46	17.72	20.98	24.24	27.50	30.76	34.02	37.28
138	4.91	8.33	11.74	15.16	18.57	21.99	25.40	28.82	32.24	35.65	39.07
144	5.14	8.71	12.28	15.85	19.43	23.00	26.57	30.14	33.71	37.29	40.86

FREE AREA TABLE (SQUARE FEET)
RATING INCLUDES THE EFFECT OF A BIRDSCREEN



AIR PERFORMANCE GRAPH

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