SoundChek
MODULAR PANEL PERFORMANCE DATA

3900 Dr. Greaves Rd., Kansas City, MO 64030 • Phone (816) 761-7476 • FAX (816) 763-0986 • Email: info@ruskinsound.com • Website: ruskinsound.com

SOUND TRANSMISSION LOSS

		4" THICK PANELS		2" THICK PANELS	
OCTAVE BAND	MID. FREQ. (Hz)	ABSORPTION COEFFICIENT	TRANSMISSION LOSS	ABSORPTION COEFFICIENT	TRANSMISSION LOSS
2	125	0.66	21	0.24	17
3	250	1.22	33	0.74	24
4	500	1.12	43	1.08	32
5	1000	1.06	54	1.09	42
6	2000	1.03	57	1.01	50
7	4000	0.96	62	0.96	53
		NRC 1.10	**STC 43**	**NRC 1.00**	**STC 35**

Sound Transmission loss data was derived from test conducted in strict accordance with ASTM-E90 by an independent acoustical laboratory. Sound Absorption coefficients were derived from tests conducted by an independent laboratory using ASTM C423-84A test method.

THERMAL PERFORMANCE

	4" THICK	2" THICK
"U" Factor	0.07	0.1

The panel heat transfer factor U is in BTH/Hour/ Square Foot/Degree F.

STRUCTURAL PERFORMANCE

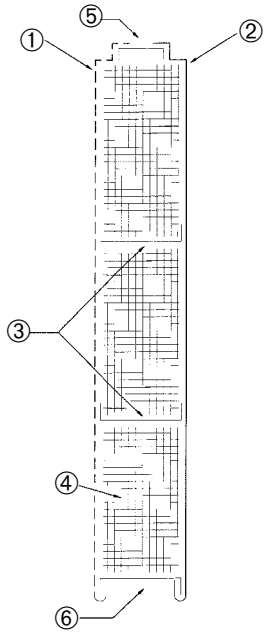
	4" THICK PANEL	2" THICK PANEL
Static Pressure	Max. Unreinforced Panel Span	Max. Unreinforced Panel Span
10" wg	16'-0"	10'-0"
5" wg	19'-0"	12'-0"
2" wg	25'-0"	15'-0"

Structural spans were determined by an independent and licensed structural engineer to limit deflection to L/240th of the unsupported span.

FIRE HAZARD CLASSIFICATION

TEST	FIRE HAZARD CLASSIFICATION
Flame Spread	15
Smoke Developed	0
Fuel Contributed	0

Fire hazard classification values were determined by tests conducted in strict accordance with ASTM-E84, NFPA-255 and UL-723 test methods.



CONSTRUCTION

Verify panel skin (1&2) gages per reference chart below.

Standards G90 galvanized steel skins, 18 gage galvanized steel stiffeners (3), 4.0 pcf density mineral wool insulation (4), Tongue and groove connectors with totally insulated panel joint (5 & 6).

AHU OR ENCLOSURE	2 OR 4 INCH THICK	EXTERIOR SKIN GAGE	INTERIOR SKIN GAGE