

ACOUSTICAL PANELS

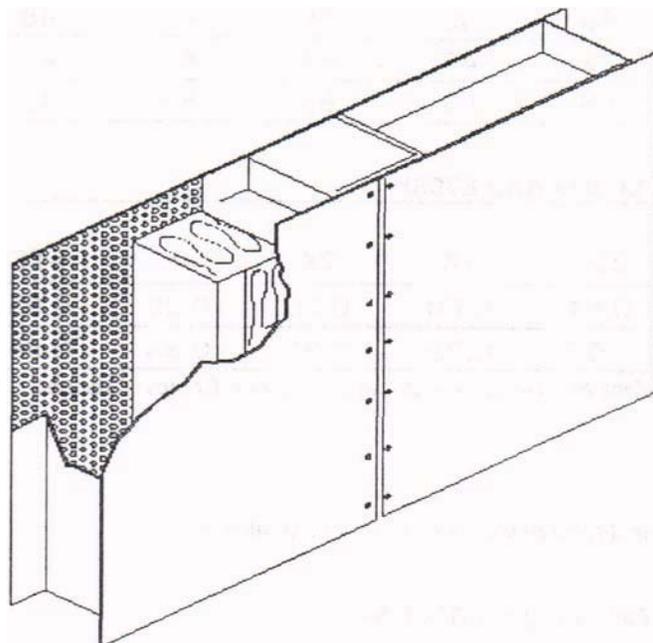
NOISE BARRIERS

Spec Data Sheet

Acoustical Enclosures Tongue and Groove Systems

Options

- Tongue & Groove
- Mylar, Polyethylene, or Fiberglass Cloth Lining
- Framed Cutouts/Opening
- Primer or Finish Paint
- Different Gauge Construction
- Different Material Construction; i.e. Stainless Steel
- Special Configurations: Perf/Perf, Solid/Solid, Perf/Solid/Perf
- Different Insulation Materials and Densities



Construction

IES 2000 standard Acoustical/Thermal Panels are fabricated with an 18 gauge G90 galvanized solid steel outer skin and 16 gauge galvanized solid steel channel frames filled with mineral-glass fiber acoustic/thermal fill; and are protected by an inner skin which consists of a 22 gauge G90 galvanized perforated steel sheet with 23% open area (3/32" holes on 3/16" staggered centers).

Acoustical Performance * — Standard Construction

TRANSMISSION LOSS (ASTM E90-81)

Octave Band Center Frequency (Hz)	125	250	500	1K	2K	4K	STC
4 1/4" Panel (TL in dB)	22	29	40	48	54	60	41
2 1/4" Panel (TL in dB)	21	24	35	43	52	57	37

SOUND ABSORPTION COEFFICIENTS (ANSI/ASTM C243- 81 a AND E795)

1/3 Octave Band Center Frequency (Hz)	125	250	500	1K	2K	4K	STC
4 1/4" Panel	0.86	1.09	1.22	1.06	1.05	1.04	1.10
2 1/4" Panel	0.31	0.82	1.19	1.12	1.07	1.06	1.11

* All acoustical test were performed and reported by an Independent Accredited Acoustical Laboratory. Copies of the test reports can be furnished upon request.

