

# DIGIT 6 - PANEL CONSTRUCTION

## ALPHA<sup>®</sup> SERIES | P PANEL CONSTRUCTION



### ALPHA ALL WELDED ALL STEEL SOUND *ABSORBENT* NRC 0.65

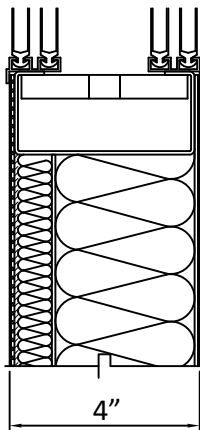
- **RUGGED 14 GA. PERFORATED STEEL FACE COVERS FIBERGLASS SOUND ABSORBING MEDIUM. ONE FACE OF EA. PANEL IS ABSORBENT.**
- **CONTROLS REVERBERATION.**
- **ACOUSTICALLY TRANSPARENT MATERIAL SUCH AS CARPET OR WOVEN FABRIC COVERS THE PERFORATED STEEL AND RESULTS IN AN ATTRAC-TIVE DURABLE FINISH.**
- **UNMATCHED DURABILITY**  
Unitized one piece all steel, robotically welded.  
20-year limited warranty.

MANUAL OR ELECTRIC OPERATION.

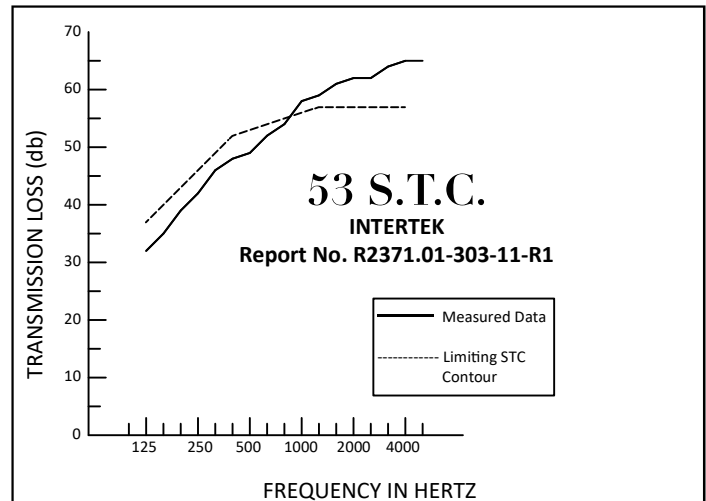
PANEL HEIGHT: 60' max.

PANEL WIDTH: 48" normal, 60" max. but do not exceed width of finish fabric.

PANEL WEIGHT: 11 pounds per sq. ft.



**42 N.I.C.**  
GUARANTEED WHEN SPECIFIED  
TESTED IN ACCORDANCE WITH ASTM E336



#### SPECIFICATIONS

**PANEL CONSTRUCTION:** Acoustical panel, 4" thick, incombustible, with 14 gauge steel faces and internal septum, fusion welded 8" o.c. (max.) to 14 gauge steel channel perimeter frame. Panel faces internally stiffened by welded steel members. Panels, other than those containing pass doors, or portal panels, shall have one face perforated for sound absorption. Such absorptive treatment shall not reduce the required N.I.C. rating. Maximum hole diameter of perforations shall be 1/8", and maximum open area shall be 36%. Absorptive media shall be spaced 1/8" clear from back of perforated sheet to prevent inadvertent painting of such media. Panel weight shall be approx. 11 psf (53.8 kg/m<sup>2</sup>). Panel perimeter of approx. 1/8" thick aluminum alloy shall incorporate protective edge feature and form tongue and groove vertical intersections having multi-fin acoustical gaskets. Panels shall be one piece; field joints not permitted. No fasteners shall be visible on panel face when wall is in extended position.

**TEST DATA:** Sound transmission class (S.T.C.) 53 when tested in accordance with ASTM E90, and Noise Reduction Coefficient (N.R.C.) shall be 0.65 minimum, when tested in accordance with ASTM C423-66. Trolley plate anchorage in panel top rail withstands a 10,000-pound minimum tensile load applied via pedant bolt. When tested in accordance with ASTM E-72, a 36' long panel resists a uniform load of 9.8 pounds per square foot applied normal to the panel face without damage.

(detail shows protective vertical edge trim)

