

# DIGIT 6 - PANEL CONSTRUCTION

## SIGMA<sup>®</sup> SERIES | A PANEL CONSTRUCTION



### SIGMA

INCOMBUSTIBLE STEEL, QUALITY, STRENGTH, PERFORMANCE, AND VALUE at competitive prices.

## ROBOTICALLY FUSION WELDED

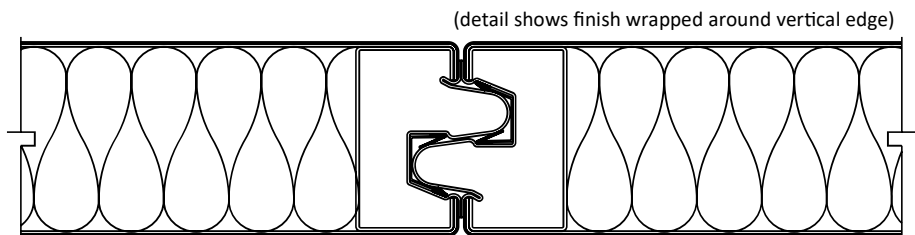
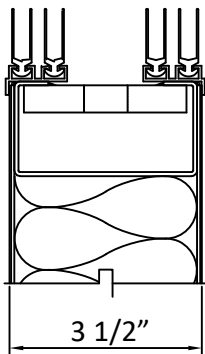
- 1-YEAR LIMITED WARRANTY.
- MINIMUM 20 - GAUGE STEEL FACE.
- FACE SHEET WELDED TO FRAME.
- PROTECTIVE VERTICAL EDGE TRIM or FINISH WRAPPED AROUND EDGE.
- LIGHT WEIGHT.

MANUAL OR ELECTRIC OPERATION.

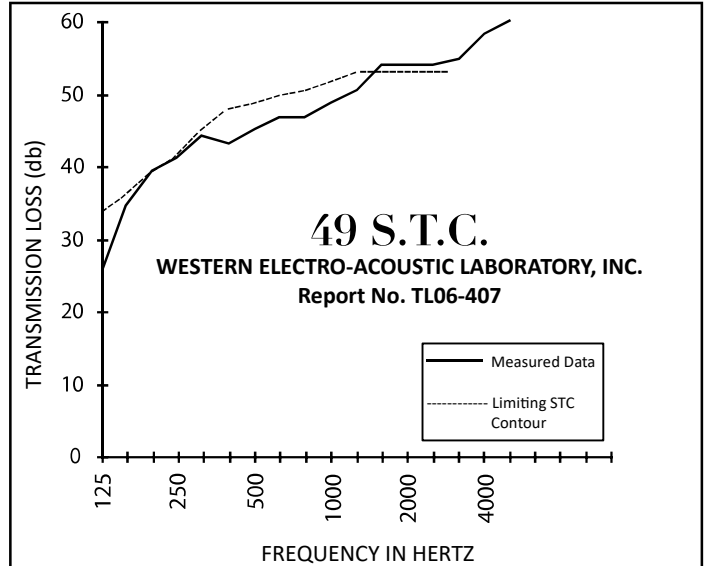
PANEL HEIGHT: 18' max.

PANEL WIDTH: 54" max. but do not exceed width of finish fabric.

PANEL WEIGHT: 5.9 pounds per square foot.



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



### SPECIFICATIONS

**PANEL CONSTRUCTION:** Acoustical panel is approximately 3½" inches thick. Panel faces are minimum 20-gauge CR steel sheet. Face sheets are robotically fusion welded to 16-gauge, vertical and 14-gauge, horizontal steel frame members. Steel panel faces are permanently stiffened by steel members welded to interior surfaces. Interior cavity is filled with appropriate sound attenuating material. Panel weight is approximately 5.9 pounds per square foot. Entire perimeter of panel is encased in aluminum alloy trim. Panel is a steel weldment with one-piece face sheets.

**ACOUSTICAL PERFORMANCE:** Operable wall with this panel construction shall serve as an effective barrier with a sound transmission class rating of 49 S.T.C. based on a full-scale laboratory test in accordance with ASTM-E90 and conducted at a NVLP acoustic laboratory. Certification of such laboratory tests shall be furnished upon written request. Operable wall shall achieve a minimum 38 N.I.C. when field sound tested in accordance with ASTM E-336 provided that the surrounding building construction is compatible with this rating.