

# **APPENDIX H**

## **Super 8 Motel Interior Noise Level Data Sheet**

## Appendix D: Interior Noise Calculation Sheet

Project: Fort Bragg Grocery Outlet  
 Room Description: Super 8 Motel Room

### Inputs

Parallel Exterior level, dBA: 67.0 Ldn  
 Correction Factor, dBA: 5.0  
 Noise Source: Diesel Engine  
 Room Length, ft: 20.0  
 Room Width, ft: 12.0  
 Room Height, ft: 9.0  
 Transmitting Panel Length, ft: 12.0  
 Glazing Area, ft: 8.0

Ceiling Finish: Gyp Board  
 Ceiling, sf:   
 Wall Finish 1: Gyp Board  
 Wall Finish 1, sf:   
 Wall Finish 2: Glass  
 Wall Finish 2, sf:   
 Floor: Carpet, latex backing on foam pad  
 Floor, sf:   
 Misc. Finish: Soft Furnishings  
 Misc. Finish, sf: 25

Transmitting Element 1: Wall - 3-coat Stucco Wall (Egen)  
 Element 1, sf:   
 Transmitting Element 2: Glazing - STC 26  
 Element 2, sf:   
 Transmitting Element 3:  
 Element 3, sf:   
 Transmitting Element 4:  
 Element 4, sf:

**Predicted Interior Noise Level, dBA: 41**  
**Noise Reduction, dBA: -26**

