

# Technical Data

## Sound (STC) Assemblies

# Tech 403

## NGP Seal Set #N1

**ASTM E90-2009** Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions

**Standards**

**ASTM E413-2010** Classification for Rating Sound Insulation

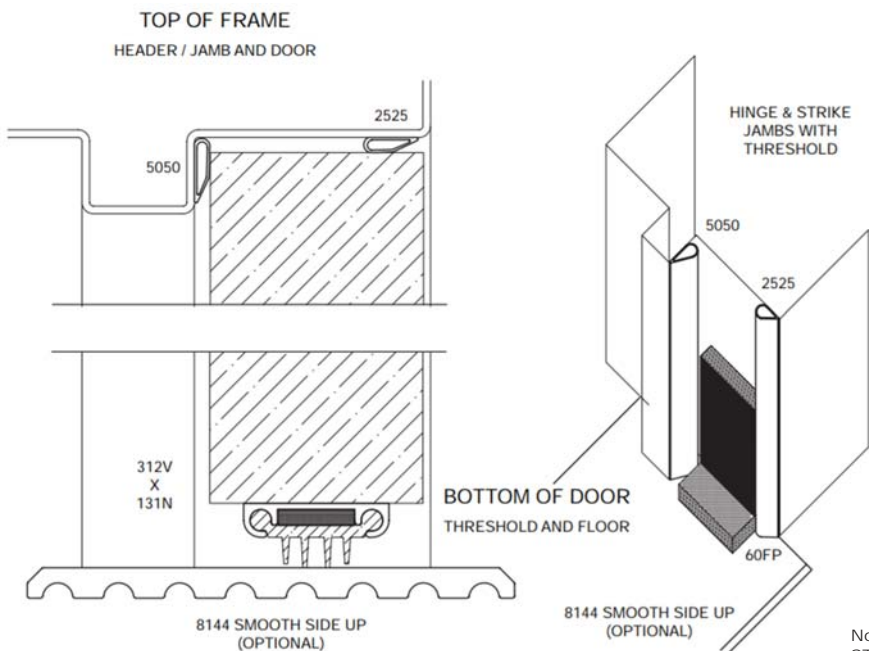
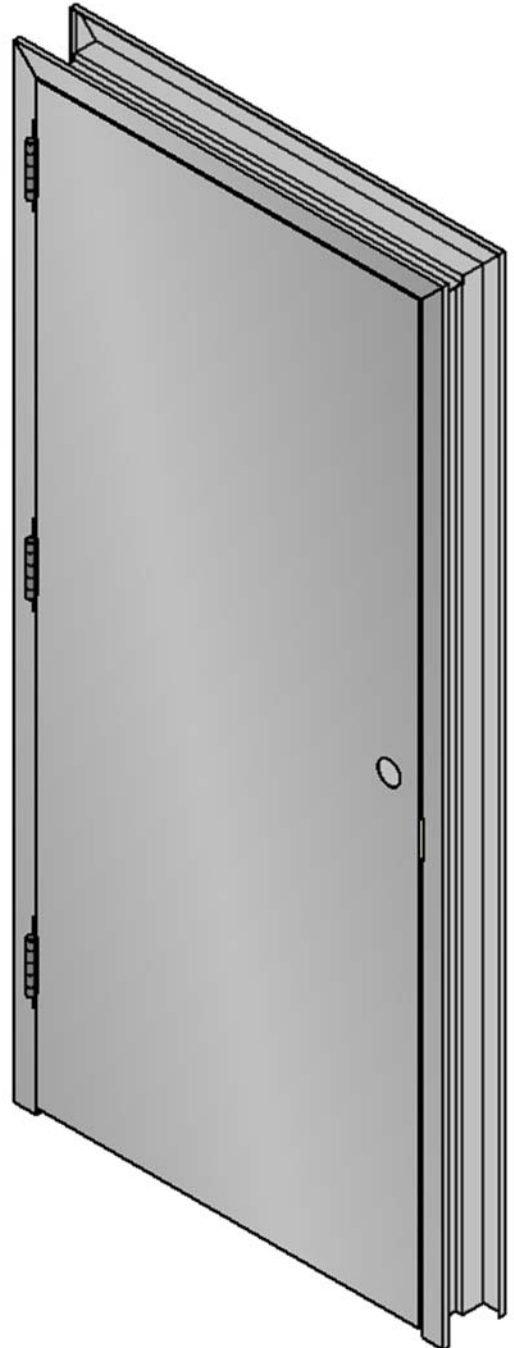
**ASTM E1332-10a** Standard Classification for Rating Outdoor-Indoor Sound Attenuation

**Seal Package**

**NGP #5050** Silicone Bulb Seal (header and jambs)  
**NGP #2525** Silicone Bulb Seal (header and jambs)  
**NGP #312V X 131N** Acoustical Door Shoe (bottom of door)  
**NGP #60FP** Acoustical Foam Corner Pad (bottom corner of frame/floor)  
**NGP #8144S** Threshold (Optional) (floor)

\*NPG = National Guard Products, Inc.

|               |   |   |
|---------------|---|---|
| <b>STC 26</b> | 18 Gauge (0.042 min) Polystyrene Core Door<br>4'-0" x 8'-0" Tested Size     |    |
| <b>STC 29</b> | 16 Gauge (0.053 min) Polystyrene Core Door<br>4'-0" x 8'-0" Tested Size     |    |
| <b>STC 30</b> | 18 Gauge (0.053 min) Polyurethane Core Door<br>3'-0" x 7'-0" Tested Size    |    |
| <b>STC 33</b> | 18 Gauge (0.042 min) Steel Stiffened Core Door<br>3'-0" x 7'-0" Tested Size |    |
| <b>STC 33</b> | 16 Gauge (0.053 min) Steel Stiffened Core Door<br>4'-0" x 8'-0" Tested Size |   |
| <b>STC 33</b> | 14 Gauge (0.067 min) Steel Stiffened Core Door<br>4'-0" x 8'-0" Tested Size |  |



No recorded sound loss up to STC 33  
 STC ratings based on testing and evaluations.  
 Testing and data collection by Intertek Testing Services