CONSTRUCTION/ASSEMBLY NOTES:

1. PANEL SURFACES: SOLID STEEL FACE IS 16 GA. (MIN.), 14 GA. SOLID IS USED IF PANELS ARE OVER 12 FEET IN LENGTH. PERFORATED STEEL FACE IS 22 GA. (MIN.) WITH 3/8" HOLES ON 3/4" STAGGERED CENTERS. PANEL CONSTRUCTION AVAILABLE IN "PAINT READY" A-40 GALVANIZED OR A-40 GALVANIZED STEEL.

2. PANEL FILL: HIGH DENSITY, SILICA-FILLED, NON-HYDROPHILIC FIBERGLASS. THE MAXIMUM UNSUPPORTED HEIGHT OF FILL SHALL NOT EXCEED 25'.

3. PANELS: THERMOSETTING THE POLYESTER POWDER COATING IN COLOR SELECTED BY ARCHITECT/CUSTOMER FROM STANDARD COLOR CHIPS SUPPLIED BY NOISE BARRIERS, LLC. COLOR TO BE:

4. PANELS SHALL BE LOWERED CONSECUTIVELY BETWEEN VERTICAL WIDE-FLANGED BEAMS. BARRIER WALL SHALL BE DESIGNED TO WITHSTAND WINDLOAD IN ACCORDANCE WITH THE SPECIFIED LOCAL CODE REQUIREMENTS OF THE PROJECT. REFER TO INSTALLATION DETAILS OPTION 1 & OPTION 2 FOR ALTERNATIVES.

5. THE BARRIER PANEL ARE DESIGNED TO WITHSTAND WIND LOADS OF 40 POUNDS PER SQUARE FOOT, BOTH NEGATIVE AND POSITIVE.

6. Structural steel columns (if scheduled) can be provided in either hot-dipped galvanized, prime painted (std. gray), or finish painted in color to match panels.

7. FINISHED PANEL WEIGHT = 5.5 lbs/sq. ft.

BARRIER PANEL ACOUSTIC PERFORMANCE

SOUND TRANSMISSION LOSS, dB

<table>
<thead>
<tr>
<th>Noise Max/Min Density (psf)</th>
<th>125</th>
<th>250</th>
<th>500</th>
<th>1k</th>
<th>2k</th>
<th>4k</th>
<th>STC</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUIETLINE SL-R PANEL (Steel)</td>
<td>18</td>
<td>26</td>
<td>35</td>
<td>45</td>
<td>52</td>
<td>57</td>
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*All data in accordance with ASTM E90-99 and E415-87

SOUND ABSORPTION COEFFICIENTS

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<tr>
<th>Noise Max/Min Density (psf)</th>
<th>125</th>
<th>250</th>
<th>500</th>
<th>1k</th>
<th>2k</th>
<th>4k</th>
<th>NRC</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUIETLINE SL-R PANEL (Steel)</td>
<td>0.92</td>
<td>1.15</td>
<td>1.22</td>
<td>1.13</td>
<td>1.09</td>
<td>1.04</td>
<td>0.90 (1.15)</td>
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*All data in accordance with ASTM C423-90a and E795-00

WALL SECTION DETAIL

SECTION A-A - OPTION #2
WIDE-FLANGED BEAM DETAIL FOR HIGH WIND LOADS, TALL WALLS, AND POST SPACING APPLICATIONS

SECTION A-A - OPTION #1
WIDE-FLANGED BEAM DETAIL FOR STANDARD APPLICATIONS