CONSTRUCTION/ASSEMBLY NOTES:

1. Panel Surfaces: Solid face is 0.065" 3003 grade aluminum, perforated face is 0.040" 3003 grade aluminum with 3/16" holes on 3/8" staggered centers.

2. Panel Fill: High density, semi-rigid, non-hydroscopic fiberglass. The maximum unsupported height of fill shall not exceed 28".

3. Finish: Thermosetting TDC polyester powder coating in color selected by architect/customer from standard color chart supplied by noise barriers, LLC. Color to be:

4. Panels shall be located 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 alternates.

5. The barrier panel is 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 (Stk. Grey), or finish painted in color to match panels.

7. Finished panel weight = 3.0 lbs/sq.ft.

BARRIER PANEL ACOUSTIC PERFORMANCE

SOUND TRANSMISSION LOSS, dB

<table>
<thead>
<tr>
<th>Frequency (Hz)</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 (Aluminum)</td>
<td>14</td>
<td>20</td>
<td>31</td>
<td>41</td>
<td>51</td>
<td>61</td>
<td>35</td>
</tr>
</tbody>
</table>

All data in accordance with ASTM E90-99 and E411-87

SOUND ABSORPTION COEFFICIENTS

<table>
<thead>
<tr>
<th>Frequency (Hz)</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 (Aluminum)</td>
<td>0.05</td>
<td>0.12</td>
<td>0.18</td>
<td>0.28</td>
<td>0.38</td>
<td>0.48</td>
<td>0.59 (1.0)</td>
</tr>
</tbody>
</table>

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

QUITELINE 'SL-R'
ALUMINUM
BARRIER PANEL

PROJECT: NOISE BARRIERS STANDARD DETAILS

Submitted By: [Signature]  Date: [Date]
Approved By: [Signature]  Date: [Date]

No. of Sheets: 1

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