CONSTRUCTION/ASSEMBLY NOTES:

1. PANEL SURFACES: SOLID FACE IS 0.065" 6063 GRADE ALUMINUM, PERFORATED FACE IS 0.040" 6063 GRADE ALUMINUM WITH 3/8" HOLES ON 3/4" STAGGERED CENTERS.

2. PANEL FILL: HIGH DENSITY, EVA-HDPE, NON-HYDROPHILIC FIBERGLASS. THE MAXIMUM UNSUPPORTED HEIGHT OF FILL SHALL NOT EXCEED 24".

3. FINISH: THERMOSETTING TIG 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 LOWERED SUCCESSIVELY BETWEEN VERTICAL WIDE FLANGED BEAMS. BARRIER WALL SHALL BE DESIGNED TO WITHSTAND WINDBLOW IN ACCORDANCE WITH THE SPECIFIED LOCAL CODE REQUIREMENTS OF THE PROJECT. REFER TO INSTALLATION DETAILS "OPTION 1" & "OPTION 2" FOR ALTERNATIVES.

5. THE BARRIER PANELS 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, POWDER PAINTED (STN. 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>MATERIAL</th>
<th>125</th>
<th>250</th>
<th>500</th>
<th>1K</th>
<th>2K</th>
<th>4K</th>
<th>STC</th>
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</thead>
<tbody>
<tr>
<td>QTLINE WIE (ALUMINUM)</td>
<td>24</td>
<td>31</td>
<td>42</td>
<td>55</td>
<td>62</td>
<td>75</td>
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</tbody>
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*All data in accordance with ASTM E90-99 and E411-87

SOUND ABSORPTION COEFFICIENTS

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<tr>
<th>MATERIAL</th>
<th>125</th>
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<th>500</th>
<th>1K</th>
<th>2K</th>
<th>4K</th>
<th>NRC</th>
</tr>
</thead>
<tbody>
<tr>
<td>QTLINE WIE (ALUMINUM)</td>
<td>0.95</td>
<td>1.22</td>
<td>1.18</td>
<td>1.08</td>
<td>1.00</td>
<td>0.95</td>
<td>0.95 (1.10)</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

QUITLINE 'SL' ALUMINUM BARRIER PANEL

PROJECT: Noise Barriers Standard Details

PROPRIETARY

This design and drawing is the exclusive property of Noise Barriers, LLC and is submitted as confidential information in connection with your inquiry. It must not be used for any other purpose. Nor can it be copied or loaned without written permission. Upon request it must be returned immediately.

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