NOTES:
1. USE EITHER CONTROLLED DENSITY FILL OR PUMPABLE LEAN CONCRETE WHEN PLACED IN THE DRY. USE PUMPABLE LEAN CONCRETE WHEN PLACED IN THE WET.

SOLDIER PILE
LIFTING HOLE
LIFTING HOLE TO BE DRILLED IN THE SHOP PRIOR TO INSTALLING THE PILE.

Permanent Timber Lagging Sizes

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 9</td>
<td>4 x 4</td>
</tr>
<tr>
<td>10 - 18</td>
<td>6 x 6</td>
</tr>
<tr>
<td>19 - 30</td>
<td>8 x 8</td>
</tr>
<tr>
<td>31+</td>
<td>10 x 10</td>
</tr>
</tbody>
</table>

For diameter of soldier pile shaft, see BR. SHEET.

Permanent Timber Lagging (Typ.)

Concrete Fascia Panels

Perimeter Timber Lagging


cW SECTION OR HP SECTION (Typ.)

Plan Soldier Pile Wall
Without P.G.A.

Plan Soldier Pile Wall
With P.G.A.

W SECTION AND LIFTING HOLE

3:1 SLOPE

Bond Length

15'-0" Min.

15'-0" Min. (Typ.)

Wall Alignment & Work Line

Limits Of Permanent Sealer

Backfill Voids Behind Permanent Lagging With A Free Draining Material As Approved By The Engineer.

Chip Out Shaft Backfill To Place Permanent Lagging.

1'-0" Wide Step Of Prefab Fabricated Drainage Mat (Typ.) Centered Between Soldier Pile Flanges.

Architectural Finish With Pigmented Sealer

Remaining Portion Of Soldier Pile Shaft

3" CLR. Cover To Soldier Pile (Typ.)

SOLDIER PILE WALL

36 MONTHS OR LONGER

Lagging In Service

Notes to Designer:
1. Depths and sizes shown are for example only. Fill in the table according to the earth pressure diagram and recommendations from the Geotechnical Services Branch, based on LRFD timber design for permanent lagging.

2. Determine, if possible, the length of time that the wall lagging will be used as the primary structural member in the transverse direction before a permanent wall fascia is applied.

For walls with P.G.A., use a section size with a flange width bigger than or equal to HP12x53 or W12x65.

For walls without concrete fascia panels:
1. Hem-Fir timber lagging shall not be used.
2. Douglas fir-larch, grade no. 2 or better, treated in accordance with section 9-09.3(1), shall be used and shall be specified in the plan sheets and Special Provisions.