**Building Division**

**Typical Insulated Basement Access**

**Plan View**

- **Section 'A'**
  - Divert weeping tile around perimeter of stair
  - Floor drain, connect to new weeping tile
  - Extend insulation to the floor

- **Section 'B'**
  - Extend insulation to the floor
  - Poured concrete wall see Note No. 4
  - Conc. stairs see Note No. 3

**Notes:**

1. **Footings**
   - 16” x 6” poured concrete footing. All footings shall rest on natural undisturbed soil or compacted granular fill.

2. **Concrete**
   - Minimum compressive strength of 35 MPa @ 28 days w/ 5% to 8% air entrainment.

3. **Exterior Stairs**
   - Rise - 4 7/8" min, 7 7/8" max
   - Run - 8 1/4" min, 14" max
   - Tread - 9 1/4" min, 14" max.

4. **Retaining Wall**
   - Poured concrete, no reinforcing required for wall heights within the limits of Table 1. Provide 10M vertical reinforcing @16" o.c. In an 8" wall for backfill heights to 7'-0" max.

5. **Guards**
   - Guards shall be a minimum of 42" high, except a 35" high guard is permitted for wall heights less than 5'-11". Guard shall not allow the passage of a 4" diameter sphere through openings and be designed to prevent climbing. Provide engineered specifications as required.

**Table 1**

<table>
<thead>
<tr>
<th>Minimum Wall Thickness</th>
<th>Maximum Wall Height Without Reinforcing</th>
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</thead>
<tbody>
<tr>
<td>150mm (6&quot;)</td>
<td>0.8m (2'-7&quot;)</td>
</tr>
<tr>
<td>200mm (8&quot;)</td>
<td>1.2m (3'-11&quot;)</td>
</tr>
<tr>
<td>250mm (10&quot;)</td>
<td>1.4m (4'-7&quot;)</td>
</tr>
<tr>
<td>300mm (12&quot;)</td>
<td>1.5m (4'-11&quot;)</td>
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</tbody>
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