**GENERAL NOTES (Continued):**

**Materials Notes:**
Masonry: F' = 1500 psi, ASTM C90, Medium or Normal weight, Running Bond, SLUMP BLOCK unless noted otherwise.

Wet: ASTM C270, Type S, Cube Strength 1800 psi, ASTM C51 cement.

Grout: ASTM C476, Type Coarse, Cube strength 2000 psi.

Reinforcing Steel: ASTM A615, Grade 60.

Joint Reinforcing: 9 Gauge Ladder or Truss Type, with Standard weight, fy=33,000 psi, ASTM A820。

**Special Inspection Notes:**
Special inspection and testing, provided by the Department, are required for the masonry wall to ensure quality materials and construction.

1. **Preconstruction:**
   1) Verify correct block type is used.
   2) Verify mortar and grout to be used.
   3) Verify the location, spacing, size and lap length of vertical reinforcing dowel bars and wall reinforcement is within plus or minus 1/2 of the plan dimension as measured to the wall plus or minus 1/2 in the long direction.
   4) Verify that masonry units are clean and free from dirt when placed in the wall. Masonry units shall be dry before placement.

2. **Construction:**
   1) Observe, periodically, the placement of the masonry units and the setting of the mortar. Verify that the initial bed joint thickness is not less than 3/4 or more than 1" subsequent bed joints shall not be less than 3/4 or more than 1/2 in thickness.
   2) Observe all grout placements.
   3) Verify horizontal joint reinforcing size, location, and spacing.
   4) Verify that all concrete masonry units are placed in uniform and true course, level and plumb with a tolerance of 1/4 in 12 inches, non-cumulative.
   5) Verify that concrete masonry units are placed to the desired height with joints of uniform thickness, level, and straightness before the mortar stiffens. Bond shall be plumb throughout.
   6) Verify that all concrete masonry units are cured by sprinkling twice a day for minimum of 2 days.

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**TYPICAL WALL SECTION**

*For Wall Height 18'-0" to 26'-0"

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**WALL SCHEDULE**

<table>
<thead>
<tr>
<th>Wall Height H</th>
<th>Wall Thick D*I</th>
<th>Fig. Depth T</th>
<th>Fig. Width W</th>
<th>Reinforcing**</th>
<th>Footing</th>
<th>Factored Average Soil Bearing Pressure (psi)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>S1, Vertical</td>
<td>S2, Bottom Trans</td>
<td>Bottom Long</td>
</tr>
<tr>
<td>18'-0&quot; to 19'-11&quot;</td>
<td>12&quot;</td>
<td>1'-9&quot;</td>
<td>6'-0&quot;</td>
<td>#5x16&quot;</td>
<td>6x6x6</td>
<td>6'-0&quot;</td>
</tr>
<tr>
<td>20'-0&quot; to 21'-11&quot;</td>
<td>12&quot;</td>
<td>2'-0&quot;</td>
<td>6'-3&quot;</td>
<td>#5x16&quot;</td>
<td>5x6x4x6x16&quot;</td>
<td>6x6&quot;</td>
</tr>
<tr>
<td>22'-0&quot; to 23'-11&quot;</td>
<td>12&quot;</td>
<td>2'-3&quot;</td>
<td>6'-6&quot;</td>
<td>#5x16&quot;</td>
<td>4x6x4x6x16&quot;</td>
<td>6x6&quot;</td>
</tr>
<tr>
<td>24'-0&quot; to 26'-0&quot;</td>
<td>12&quot;</td>
<td>2'-6&quot;</td>
<td>6'-9&quot;</td>
<td>#5x16&quot;</td>
<td>4x6x4x6x16&quot;</td>
<td>6x6&quot;</td>
</tr>
</tbody>
</table>

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**DOWEL NOTES:**
Drill 1 inch diameter hole 6 inches deep for 6" dowel. Epoxy dowel in hole with an approved epoxy adhesive. Epoxy anchorage shall develop a tensile pullout strength of 13 kips. Details of the anchorage system shall be submitted to the Engineer for approval prior to installation.

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**NOTE:**
See Dwg. (1 of 2) WALL DETAILS AT JOINTS AND ENDS for details not shown here.

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**SECTION 3**

Rebar at center of cell.

**SECTION 4**

Rebar at both sides of cell.

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**SECTION THROUGH S1**

**SECTION THROUGH S2**

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**CONNECTION TO CONCRETE WALL**

**SECTION AT WALL ANGLE POINT**

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**TYPICAL WALL SECTION**

*For Wall Height 18'-0" to 26'-0"*