**TYPICAL VERTICAL EXPANSION JOINT**

**NOTE:** 1. THICKNESS OF WALL AT TOP Expansion Joint to be placed in base and barrier:

**NOTE:** 3. Bars "A" & "B" & "C" are #4 bars spaced at 9" O.C. (See type above).

**SECTION A-A**

**SECTION B-B**

**SECTION C-C**

**SECTION D-D**

**SECTION E-E**

**GENERAL NOTES:**

1. CONCRETE SHALL BE CLASS "B".

2. REINFORCING STEEL SHALL EXTEND THROUGH CONSTRUCTION JOINTS.

3. DIMENSIONS ON THIS DRAWING ARE NOT DUPLICATED WHERE ALREADY SHOWN.

4. BARS "A" & "B" shall be placed in base and barrier.

5. JOINTS:

   a. Construction joints required at 20'-0" O.C.
   b. Chamfers required from the base to top of wall.
   c. Reinforcement shall continue at contraction joints.

6. EXPANSION JOINTS REQUIRED AT 30'-0" O.C.

   a. Chamfers required from the base to top of wall.
   b. JOINTS MAY BE FORMED OR SCORED.
   c. Rebars shall be placed in base and barrier.
   d. WHERE A CONCRETE BASE OR FOOTING IS REQUIRED WITH BARRIER, THE EXPANSION JOINTS SHALL BE REQUIRED FROM THE TOP OF WALL TO THE BOTTOM OF THE BASE OR FOOTING.

7. IN LIEU OF THE REINFORCEMENT SHOWN IN THESE PLANS THE CONSTRUCTION MAY SUBMIT DIFFERENT REINFORCEMENT DETAILS FOR REVIEW. HOWEVER, PRIOR APPROVAL MUST BE OBTAINED FROM THE DEPARTMENT.