H. Division 4 - Masonry

1. Mortar

a. Use materials specified in ASTM C270

b. Add a bonding agent to mortar

2. Brick

Use 2,500 psi minimum compressive strength, Type SW (severe weather) for use below grade and where exposed to freezing.

3. Masonry

Use normal weight concrete block for foundation walls and walls exposed to weather. Do not use lightweight block in these locations. Use bull nosed units for exposed corners.

4. Shrinkage Control Joints

a. Incorporate vertical shrinkage control joints in walls of which concrete Masonry units are a part.

b. Provide control joints on line of door opening jambs from head to top of wall. Cut false joints in concrete and block lintels exposed to view, to line up with control joints.

c. Provide complete vertical separation through walls incorporating control joints.

5. Joint Reinforcement

Reinforce solid and cavity concrete Masonry unit walls and partitions, single with brick walls, and walls and partitions where thickness is reduced by columns, piers, chases, or such.

Provide “Dur-O-Wal” at 16” o.c. horizontal reinforcement and vertical rebar at 48” o.c. in grouted cell or as recommended by the structural engineer.

6. Weather Protection

Provide weather protection for all free standing structures, walls and floors until complete. Exterior Masonry walls are to be impervious to moisture penetration from driving rain.

7. Cavity Walls

Provide free draining weep holes at bottom of cavity walls and over through wall flashings. Install flashings in accordance with the International Building Code.

8. Choose materials which will minimize efflorescence.