

Division 04 - Masonry

04100 – MORTAR -A – MATERIALS: 01 – CEMENT – ASTM C150 Specification for Portland

Cement, Type I, Portland; Type II if within or

adjacent to earth. **02 – LIME** – ASTM C207 Specification for Hydrated Lime for Masonry Purposes,

Type S. **03 – FINE AGGREGATE** – ASTM C144 Specification for Aggregate for Masonry mortar,

natural sand. **04 – WATER** – Fresh, clean, clear; potable, humanly consumable. **05 – CALCIUM**

CHLORIDE or any other salt, salt-like, or chloride-like admixture/ accelerator shall not

be used in mortar.

B – MIX – ASTM C270 Specification for Mortar for Unit Masonry, Type S for bearing, nonbearing, and

vener walls; other circumstantial type(s) per ASTM recommendations. 04105 – CONCRETE FILL –

Cement, Fine Aggregate, Water, Calcium Chloride same as for 04100 – MORTAR preceding. **A –**

COARSE AGGREGATE – Same requirements as fine aggregate except washed gravel or

crushed stone 1/8" to maximum 5/8".

B – MIX for bond beams, reinforced masonry walls, pilasters: determined to fulfill Structural

requirements. 04150 – MASONRY ACCESSORIES -A – ITEMS INSTALLED BUT NOT

FURNISHED– Masonry contractor shall install loose steel lintels,

bearing plates, anchors, and other miscellaneous items furnished by others at no additional cost to **LPS**.

B – HORIZONTAL JOINT REINFORCEMENT – Truss or ladder type as required to fulfill Design, Code, and/or Engineering requirements.

C – VERTICAL REINFORCEMENT – Bars, ties, and tie wire as required to fulfill Design, Code, and/or Engineering requirements.

D – EXPANSION JOINT FILLERS – Material, shape and type to fulfill wall thickness conditions; location(s) where required.

E – DOVETAIL ANCHORS – 1" wide by nominal 4" long 14-gauge galvanized corrugated sheet steel spaced maximum 1'4" centers in dovetail slots provided by concrete contractor.

04200 – UNIT MASONRY -A – FACE BRICK – Grade–SW Type–FBX modular-sized, match

existing in Addition situations.

conforming to ASTM C216 Spec for Facing Brick (Solid Masonry Units Made from Clay or Shale);

texture and color approved by **LPS** Property Management Services Department. **B – GLASS**

BLOCK – To meet Code and location requirements. **C – PLAIN BLOCK** – Finish and weight

required to meet Grade N Type 1 NI and NII of ASTM C90

Spec for Bearing Concrete Masonry Units and ASTM C145 Spec for Solid-Load Bearing Concrete Masonry Units. **01 – SIZE(S)** – Modular height, width, length to fulfill designed wall and partition

requirements and conditions.

I – JOINTS – Determined and Engineered by **A/E** or **DBT**, approved by **LPS** Property Management Services

02 – SOLID UNITS or concrete core-filled units as required shall be installed horizontally and vertically immediately under all points of structural bearing. **D – BLOCK BRICK** – Like material,

finish, strength as PLAIN BLOCK, solid, modular-sized 2-1/4" x 35/8" x 7-5/8" in compliance with

ASTM C55 Spec for Concrete Building Brick.

E – TEXTURED CONCRETE BLOCKS – As required by Design to meet manufacturer requirements and as approved acceptable to **LPS** Property Management Services Department. **F – PATTERNED**

CONCRETE BLOCKS – As required by Design to meet manufacturer requirements and as approved acceptable to Owner.

G – BOND – Determined and Engineered by **A/E** or **DBT**, approved by **LPS** Property Management Services Department. **H – COURSING** – Determined and Engineered by **A/E** or **DBT**,

approved by **LPS** Property Management Services Department.

Department. **J – CLEANING** – Detergent clean exposed walls and partitions; fiber brush from top down. 04430 –

SIMULATED STONE – As required by Design, approved by **LPS** Property Management Services Department. 04450 –

STONE VENEER – As required by Design, approved by **LPS** Property Management Services Department. 04455 –

MARBLE – As required by Design, approved by **LPS** Property Management Services Department. 04465 – GRANITE

– As required by Design, approved by **LPS** Property Management Services Department.