

## DIVISION 4 - MASONRY

### SECTION 04800 - UNIT MASONRY

#### Summary:

1. Provide Unit Masonry Construction:
  - a. Brick veneer and masonry blocks on wood studs.

#### Submittals:

1. Submit product data, samples, shop drawings, test reports.

#### Products:

1. Products: As selected by Architect complying with the following.
2. Face Brick:
  - a. Standard modular size, 3-5/8 inches thick by 2-1/4 inches high by 7-5/8 inches long.
  - b. Grade: ASTM C 216, Grade SW, severe weathering type areas subject to freeze-thaw and ASTM C 216, Grade MW, moderate weathering type elsewhere.
  - c. Special Shapes: As required by building configuration.
  - d. Bond Pattern: Running unless indicated otherwise
  - e. Color: Old Port blend by Morrin.
3. Architectural Concrete Block Units:
  - a. Type: Renaissance Masonry Units by Arriscraft (800-265-8123) or architectural approved equal.
  - b. Color and Texture: To be chosen by architect from manufactures full line of color and texture.
  - c. Special Shapes: As required by building configuration.
  - d. Bond Pattern: Stack unless indicated otherwise.
4. Mortar and Grout:
  - a. Mortar Mix: ASTM C 270, Type S, for reinforced masonry, masonry below grade and masonry in contact with earth and ASTM C 270, Type N, for above-grade loadbearing and nonloadbearing walls and parapet walls and for interior loadbearing and nonloadbearing partitions.
  - b. Mortar Materials: Masonry cement, ASTM C 91
  - c. Mortar Aggregate: Natural, ASTM C 144 unless other color is required to achieve colors.
  - d. Hydrated Lime: ASTM C 207, Type S.
  - e. Color: Colored pigmented mortar to be chosen by architect from manufactures full line of colors.
5. Joint Reinforcing: Welded wire with deformed side rods.
  - a. Steel Wire: 9 gage (.1875 inch) galvanized
  - b. Type: Ladder or truss type.
6. Ties and Anchors:
  - a. Adjustable Masonry Veneer Anchors: Screw-attached two-piece stainless steel triangular or rectangular wire tie and metal anchor.
7. Masonry Accessories:
  - a. Nonmetallic expansion joint strips.
  - b. Preformed control joint gaskets.

- c. Bond breaker strips at locations of dissimilar masonry units.
- d. Weep sash and tubes.

Installation:

1. Comply with requirements of Section 01000 - Project Requirements.
2. Comply with PCA Recommended Practices for Laying Concrete Block, Brick Institute of America Tech Notes, and NCMA TEK Bulletins.
3. Comply with cold weather and warm weather protection procedures as recommended in BIA Tech Notes.
4. Provide fire-rated assemblies complying with ASTM E 119.
5. Sawcut units when required. Maintain uniform joint width. Provide full bed, head and collar joints except at weepholes.
6. Install lintels and accessories in masonry construction.
7. Coordinate installation of flashings.
8. Comply with applicable codes and regulations for spacing of ties and horizontal reinforcing.
9. Provide expansion and control joints in accordance with referenced publications.
10. Remove and replace damaged units.
11. Clean brick using bucket and brush method, BIA Tech Note 20.
12. Clean concrete masonry by dry brushing, NCMA TEK No. 28.

END OF DIVISION 4