

SECTION 04800 - MASONRY ASSEMBLIES

PART 1 - GENERAL

SCHEDULE 0 - SUMMARY

PRODUCT DATA SHEET 0 - Provide unit masonry construction:

- 0.1 Concrete masonry non-bearing partitions.

SCHEDULE 1 - SUBMITTALS

PRODUCT DATA SHEET 0 - Product Data: Submit manufacturer's product data and installation instructions for each material and product used.

PRODUCT DATA SHEET 1 - Shop Drawings: Submit shop drawings indicating material characteristics, details of construction, connections, and relationship with adjacent construction.

- 1.1 Shop drawings shall be prepared and stamped by a qualified engineer licensed in the jurisdiction of the project.

PRODUCT DATA SHEET 2 - Samples: Submit two representative samples of each material specified indicating visual characteristics and finish. Include range samples if variation of finish is anticipated.

SCHEDULE 2 - QUALITY ASSURANCE

PRODUCT DATA SHEET 0 - Fire Performance for Fire-Rated Brick and Concrete Block Assemblies: ASTM E 119.

PRODUCT DATA SHEET 1 - Testing: Independent Testing Laboratory.

PRODUCT DATA SHEET 2 - Mock-Ups: Provide mock-up as required to demonstrate quality of workmanship.

PRODUCT DATA SHEET 3 - Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.

PART 2 - PRODUCTS

SCHEDULE 0 - MATERIALS

PRODUCT DATA SHEET 0 - Concrete Masonry Units: C-3 (3 hour rated CMU)

- 0.1 Concrete Masonry Units: ASTM C 90, 1500 f'm compressive strength:
 - A. Normal weight.
- 0.2 Size: Face dimension of 11-5/8 inches high by 15-5/8 inches long by width required for application.
- 0.3 Special Shapes: As required by building configuration.
- 0.4 Bond Pattern: Running Bond.

PRODUCT DATA SHEET 1 - Mortar and Grout for Brick and Concrete Masonry Unit Assemblies:

- 1.1 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.
- 1.2 Mortar Materials: Portland cement, ASTM C 150, Type I or II.
- 1.3 Mortar Materials: Masonry cement, ASTM C 91.
- 1.4 Mortar Materials: Ready mixed, ASTM C 207, Type S.
- 1.5 Mortar Aggregate: Natural color, ASTM C 144.
- 1.6 Grout Aggregate: ASTM C 404.
- 1.7 Hydrated Lime: ASTM C 207, Type S.
- 1.8 Color: Natural color.

PRODUCT DATA SHEET 2 - Reinforcing Steel:

- 2.1 Reinforcing Bars: ASTM A 615, Grade 60.
- 2.2 Deformed Reinforcing Wire: ASTM A 496.
- 2.3 Welded Wire Fabric: ASTM A 185, plain.
- 2.4 Welded Wire Fabric: ASTM A 497, deformed.

PRODUCT DATA SHEET 3 - Reinforcing: Welded wire with deformed side rods.

- 3.1 Steel Wire: 9 gauge (.1875 inch) galvanized steel.
- 3.2 Type: Ladder type.

PRODUCT DATA SHEET 4 - Ties and Anchors:

- 4.1 Masonry to Steel Frame: Anchor with crimped wire anchor section for welding to steel.
- 4.2 Anchor Bolts: ASTM A 307, Grade A, galvanized.

PRODUCT DATA SHEET 5 - Masonry Accessories:

- 5.1 Nonmetallic expansion joint strips.
- 5.2 Preformed control joint gaskets.
- 5.3 Bond breaker strips.

PART 3 - EXECUTION**SCHEDULE 0 - INSTALLATION****PRODUCT DATA SHEET 0 - Installation of Masonry Assemblies:**

- 0.1 Comply with PCA Recommended Practices for Laying Concrete Block, Brick Institute of America BIA Tech Notes, and NCMA TEK Bulletins.
- 0.2 Comply with cold weather and warm weather protection procedures as recommended in BIA Tech Notes.
- 0.3 Provide fire-rated assemblies complying with ASTM E 119.
- 0.4 Sawcut units when required. Maintain uniform joint width. Provide full bed, head and collar joints except at weepholes.
- 0.5 Install lintels and accessories in masonry construction.
- 0.6 Coordinate installation of flashings.
- 0.7 Comply with applicable codes and regulations for spacing of ties and horizontal reinforcing.
- 0.8 Provide expansion and control joints in accordance with BIA and NCMA recommendations.
- 0.9 Remove and replace damaged units.
- 0.10 Clean brick using bucket and brush method, BIA Tech Note 20.
- 0.11 Clean concrete masonry by dry brushing, NCMA TEK No. 28.

END OF SECTION 04800