SECTION 09 22 36.23

METAL LATH AND ACCESSORIES

PART 1 - GENERAL

1.01 DESCRIPTION

A. This Section describes the requirements for furnishing and installing metal lath and accessories.

B. Related Sections:

1. Gypsum sheathing is specified in Section 06 16 43.

2. Sheathing paper is specified in Section 06 16 93.

3. Portland cement plaster is specified in Section 09 24 00.

1.02 SUBMITTALS

A. Product Data: Furnish for each type of lath, fastener, and accessory specified.

1.03 QUALITY ASSURANCE

A. Perform work in accordance with the applicable requirements of California Building Code (CBC) Section 2507.2 and Table 2507.2.

B. Industry Association Recommendations: Conform to recommendations of ANSI/MLSFA A42.3 except where those recommendations conflict with specified requirements.

1.04 PRODUCT DELIVERY, STORAGE, AND HANDLING

A. Deliver products and materials in original unopened packages, containers, or bundles with manufacturer's label intact and legible.

B. Remove items delivered in broken, damaged, rusted, or unlabeled condition from Project site immediately.

C. Protect metal lath and accessories from moisture and other sources of damage.

D. Store metallic materials and accessories indoors, off the floor.

PART 2 - PRODUCTS

2.01 METAL LATH

A. Metal Lath: Steel, cut from zinc-coated steel sheets.

1. Self-Furring Diamond Mesh: 3.4-pounds per square yard, with evenly spaced indentations to hold lath approximately 1/4-inch away from solid surfaces. Use over solid backing.

2.02 FASTENERS

A. Nails and Staples: FS FF-N-105.

B. Screws:

1. General: ASTM C1002, corrosion resistant, for attachment to metal framing 25-gauge and lighter; ASTM C954 for attachment to metal framing 20-gauge and heavier.

2. Thread and head designs and lengths as recommended by manufacturer for uses and materials involved.

C. Tie Wires: No. 16-gauge, galvanized, single strand annealed steel or No. 13-gauge, galvanized, double strand annealed steel.

D. Powder Driven Fasteners: Ramset, Hilti, Bomark, Powerline, T-Nails or approved equal. Fasteners shall have wide heads or shall be installed with washers when used to fasten metal lath.

2.03 METAL ACCESSORIES

A. General: Minimum 26-gauge galvanized steel or zinc alloy, perforated or expanded flanges as manufactured by USG, Western Metal Lath, Keene or approved equal.

1. Corner Beads: Small-nose type.

2. Casing Beads: No. 66 square edge.

3. Corner Reinforcement: Cornerite, minimum 1.75-pounds per square yard expanded metal lath with minimum 2-inch legs.

4. Strip Reinforcement: For reinforcing joints of dissimilar materials and diagonal reinforcement at opening corners, minimum 1.75-pounds per square yard expanded metal lath.

5. Relief or Control Joints: Keene No. 40 unless special shapes are detailed, or approved equal.

6. Sill Screed: Manufacturer's standard with weep holes.

PART 3 - EXECUTION

3.01 INSTALLATION, GENERAL

A. Install materials in conformance with ANSI/MLSFA A42.3, and as specified.

B. Discontinue metal lath behind vertical control joints. Each control joint flange shall be supported by a separate stud.

3.02 INSTALLATION OF METAL LATH

A. Exterior Surfaces: Comply with CBC Table 2507.2.

1. Attach to metal framing or solid backing with approved fasteners spaced 6-inches apart. Use wire ties or screws at metal framing and powder driven wide-shouldered forced entry fasteners at solid backing.

2. Where solid backing is not provided, apply with long dimension of sheets perpendicular to supports.

3. Lap sides not less than 1/2-inch and ends not less than 1-inch.

4. Where solid backing is not provided, securely tie ends of lapped sheets not occurring over supports with minimum 18-gauge tie wire.

5. Metal lath shall be continuous in corners.

6. Insert lath as far as possible into reentrant space of metal frames, and notch to pass around jamb anchors.

7. Where no external corner reinforcement is used, lath shall be furred out and carried around corners at least one support on frame construction.

3.03 INSTALLATION OF METAL ACCESSORIES

A. General:

1. Fasten in place as required to prevent dislodging or misalignment by subsequent operations. Use self-tapping screws on metal framing. Attach over required layers of building paper.

2. Fasten at both ends and at a maximum of 12-inches on center along sides.

3. Bring grounding edge of accessories to true lines, plumb, level, and straight.

4. Install accessories to provide required depth of plaster and to bring plaster surface to required plane.

5. Connect lengths of accessories as recommended by the manufacturer to assure a continuous line.

6. Install continuous corner reinforcement for full length of external corners.

7. Install casing beads to provide a minimum 1/8-inch clearance between structural units and termination points of surfaces to receive plaster finish.

8. Where location of control joints is not indicated, install control joints to create panels no larger than 100-square feet with no dimension exceeding 10-feet or a length-to- width ratio of 2-1/2-to-one. Miter intersections of vertical and horizontal joints.

9. Install sill weep screed and terminate paper sheathing and lath on the attachment flange of the screed.

B. Beads:

1. Use single length of metal beads wherever length of run does not exceed longest standard stock length available; miter or cope corners.

2. Set beads level, plumb, and true to line. Shim as required and align joints with concealed splices or tie plates.

3. Provide casing beads at the following locations:

a. Where plaster abuts dissimilar construction.

b. At perimeter of openings where edges of plaster will not be concealed by other work.

END OF SECTION