SECTION 09206
METAL FURRING AND LATHING

PART 1 GENERAL

1.1 RELATED DOCUMENTS:

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division I specification sections, apply to work in this section.

1.2 SECTION INCLUDES:

A. Walls, bulkheads and ceilings.
B. Metal lathing for wet plaster finish.

1.3 SYSTEM DESCRIPTION:

A. The extent of the use of metal furring and lathing is as indicated on the drawings and/or specified.
B. Fabricate horizontal ceiling and soffit framing to limit finish surface to 1/240 deflection under superimposed dead loads and wind uplift.

1.4 REFERENCES:

F. ML/SFA (Metal Lath / Steel Framing Association) – Specifications for Metal Lathing and Furring.
H. Florida Building Code.

1.5 SUBMITTALS:

A. Shop Drawings: Indicate prefabricated work, component details, stud layout, framed openings, anchorage to structure, type and location of fasteners, and accessories or items required of other related work.
B. Product Data: Provide data describing standard framing member materials and finish, product criteria, load charts and limitations.

1.6 DELIVERY, STORAGE, AND HANDLING:

A. Deliver materials and store off the floor in dry area to prevent damage due to corrosion, moisture, excessive handling.
   1. When evidence of moisture occurs, immediately remove water and allow members to completely dry.
B. Installation of rusted furring members will not be accepted.
PART 2 PRODUCTS

2.1 ACCEPTED MANUFACTURERS:

A. Manufacturers subject to compliance with requirements, provide products of one of the following:
   2. Dale/Incor Industries
   3. United States Gypsum Co.

2.2 FRAMING MATERIALS:

A. Main Runner Channels: 1½" cold rolled, 16-ga steel, galvanized weight 500#/1,000 LF.
B. Cross Furring Channels: ¾" cold rolled, 16-ga steel, galvanized weight 300#/1,000 LF.
C. Hanger wire shall be 8-ga galvanized annealed.
D. Tie wire shall be 16-ga galvanized annealed for framing members.
E. Hangers: Galvanized steel, of size and type to suit application, to rigidly support ceiling components in place, to deflection limits as indicated.
F. Lateral Bracing: Formed steel; minimum 16-ga thick; size and length as required.
G. Casing Bead: Formed zinc; minimum 26-ga thick; depth governed by plaster thickness; maximum possible lengths; expanded metal flanges, with square edges.
H. Corner Bead: Formed zinc; minimum 26-ga thick; depth governed by plaster thickness; maximum possible lengths; expanded metal flanges, with radii edge.
I. Base Screed: Formed zinc; minimum 26-ga thick; depth governed by plaster thickness; maximum possible lengths; expanded metal flanges, with beveled edge.
J. Control and Expansion Joint Accessories: Formed zinc; minimum 26-ga thick; accordion profile, 2" expanded metal flanges each side.
K. Plaster frames for recessed light fixtures furnished by electrical contractor, installed under this section.

2.3 LATHING MATERIALS

A. Metal Lath: ASTM C847; self-furring mesh stamped sheet; 3.4 lb/sq ft.
B. Corner Mesh: Formed sheet steel; minimum 26-ga thick; expanded flanges shaped to permit complete embedding in plaster; minimum 4" size.
C. Strip Mesh: Expanded metal lath, minimum 26-ga thick; 4" wide x 24" long.

2.4 ACCESSORIES

A. Anchorage: Tie wire, nails, screws and other metal supports, of type and size to suit application; to rigidly secure materials in place.

2.5 FINISHES

A. Framing Materials: Galvanized.
B. Hangers, Anchors and Fastening Devices: Galvanized.
C. Lath Materials: Galvanized.

PART 3 EXECUTION
3.1 EXAMINATION:

A. Verify that conditions are ready to receive work.
B. Verify field measurements are as shown on drawings.
C. Beginning of installation means installer accepts existing conditions.

3.2 CEILING AND SOFFIT FRAMING:

A. Install furring to height indicated. Erect after above ceiling or soffit work is complete. Coordinate the location of hangers with other work.
B. Install furring independent of walls, columns and above ceiling work.
C. Securely anchor hangers to structural members or embed in structural slab. Space hangers to achieve deflection limits indicated.
D. Space main carrying channels at maximum 72" centers; not more than 6" from wall surfaces. Lap splice securely.
E. Securely fix carrying channels to hangers to prevent turning or twisting and to transmit full load to hangers.
F. Place furring channels perpendicular to carrying channels, not more than 2" from perimeter walls, and rigidly secure. Lap splice securely.
G. Reinforce openings in suspension system that interrupt main carrying channels or furring channels with lateral channel bracing. Extend bracing minimum 24" past each opening.
H. Laterally brace suspension system.

3.3 CONTROL AND EXPANSION JOINTS

A. Install control and expansion joints with back-to-back casing beads set ¼" apart. Set both beads over 6" wide strip of polyethylene sheet to assist with air seal continuity.
B. Control Joint Spacing: As indicated on reflected ceiling plan.
C. Expansion Joint Spacing: As indicated on reflected ceiling plan.

3.4 LATHING

A. Apply metal lath taut, with long dimension perpendicular to supports.
B. Lap ends minimum 1". Secure end laps with tie wire where they occur between supports.
C. Lap sides of diamond mesh lath minimum 1 ½".
D. Attach metal lath to metal supports using tie wire at maximum 6" o. c.
E. Attach metal lath to concrete and concrete masonry using wirehair pins. Ensure that anchors are securely attached to backup surface and spaced at maximum 24" o. c.
F. Continuously reinforce internal angles with corner mesh, except where the metal lath returns 3" from corner to form the angle reinforcement; fasten at perimeter edges only.
G. Place corner bead at external wall corners; fasten at outer edges of lath only.
H. Place base screeds at termination of plaster areas; secure rigidly in place.
I. Place 4" wide strips of metal lath centered over junctions of dissimilar backing materials. Secure rigidly in place.
J. Place lath vertically above each top corner and each side of door and glazed frames to 6" above ceiling line.
K. Place casing beads at terminations of plaster finish. Butt and align ends. Secure rigidly in place.
L. Place strip mesh diagonally at corners of lathed openings. Secure rigidly in place.
3.5 TOLERANCES:

A. Maximum Variation from True Position: ¼” per 10’.
B. Maximum Variation of any Member from Plane: ¼”.

END OF SECTION