

SECTION 05400 – COLD FORMED METAL FRAMING

PART 1 - GENERAL

1.01 SUMMARY

- A. PROVIDE COLD FORMED METAL FRAMING:
 - 1. LOAD BEARING METAL STUDS.
- B. APPLICATIONS:
 - 1. EXTERIOR FACIA AND SOFFIT PANELS.
 - 2. CEILING FRAMING
 - 3. MISCELLANEOUS FRAMING AS INDICATED OR REQUIRED

1.03 PERFORMANCE REQUIREMENTS

- A. STRUCTURAL PERFORMANCE: PROVIDE COLD-FORMED METAL FRAMING CAPABLE OF WITHSTANDING DESIGN LOADS WITHIN LIMITS AND UNDER CONDITIONS INDICATED. SIZES INDICATED ON DRAWINGS ARE CONSIDERED MINIMUM AND SHALL BE UPSIZED IF REQUIRED BY LOADS.
 - 1. WIND LOADS: AS INDICATED ON DRAWINGS.
 - 2. DEFLECTION LIMITS: HORIZONTAL DEFLECTION OF L/360.

1.04 SUBMITTALS

- A. PRODUCT DATA: FOR EACH TYPE OF COLD-FORMED METAL FRAMING PRODUCT AND ACCESSORY INDICATED.
- B. SHOP DRAWINGS: SHOW LAYOUT, SPACING, SIZES, THICKNESSES, AND TYPES OF COLD-FORMED METAL FRAMING; FABRICATION; AND FASTENING AND ANCHORAGE DETAILS, INCLUDING MECHANICAL FASTENERS. SHOW REINFORCING CHANNELS, OPENING FRAMING, SUPPLEMENTAL FRAMING, STRAPPING, BRACING, BRIDGING, SPLICES, ACCESSORIES, CONNECTION DETAILS, AND ATTACHMENT TO ADJOINING WORK.

1.05 QUALITY ASSURANCE

- A. 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

2.01 MATERIALS

- A. STEEL: ASTM A 446, A 570, OR A 611.
 - 1. 16 GAGE AND HEAVIER: 40,000 PSI YIELD STRENGTH.
 - 2. 18 GAGE AND LIGHTER: 33,000 PSI YIELD STRENGTH.
 - 3. GALVANIZE LIGHT GAGE FRAMING COMPONENTS: ASTM A 525, G90.

- B. COMPONENTS:
 - 1. C-SHAPED STUDS.
 - 2. STEEL JOISTS, C-SHAPED TYPE.
 - 3. FURRING CHANNELS
 - 4. MISCELLANEOUS MATERIALS: STUD MANUFACTURER'S STANDARD RUNNERS, CLIP ANGLES, SHOES, REINFORCEMENTS, FASTENERS, BLOCKING, AND LINTELS.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION. COORDINATE WITH WORK OF OTHER SECTIONS.

- B. RESTORE DAMAGED COMPONENTS. PROTECT WORK FROM DAMAGE.

END OF SECTION