

SPECIFICATION

PRE-FORMED FRAMING ARCHES



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SECTION 09 22 16 (09110)

NON-STRUCTURAL METAL FRAMING

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. NON-STRUCTURAL, NON-LOAD BEARING, METAL FRAMING ARCHES.

1.2 RELATED SECTIONS

- A. SECTION 05 40 00 (05400) – COLD-FORMED METAL FRAMING
- B. SECTION 09 20 00 (09250) – GYPSUM BOARD.
- C. SECTION 09 21 16 (09260) – GYPSUM BOARD ASSEMBLIES

1.3 REFERENCES

- A. ASTM C 645 – STANDARD SPECIFICATION FOR NONSTRUCTURAL STEEL FRAMING MEMBERS.
- B. ASTM A 653 – STANDARD SPECIFICATION FOR STEEL SHEET, ZINC-COATED (GALVANIZED) OR ZINC-IRON ALLOY-COATED (GALVANNEALED) BY THE HOT-DIP PROCESS.
- C. ASTM C 754 – STANDARD SPECIFICATION FOR INSTALLATION OF STEEL FRAMING MEMBERS TO RECEIVE SCREW-ATTACHED GYPSUM PANEL PRODUCTS.
- D. ASTM C 1002 – STANDARD SPECIFICATION FOR STEEL-SELF-PIERCING TAPPING SCREWS FOR THE APPLICATION OF GYPSUM PANEL PRODUCTS OR METAL PLASTER BASES TO WOOD STUDS OR STEEL STUDS.
- E. ASTM A 1003 – STANDARD SPECIFICATION FOR STEEL SHEET, CARBON, METALLIC- AND NONMETALLIC-COATED FOR COLD-FORMED FRAMING MEMBERS.

1.4 SUBMITTALS

- A. COMPLY WITH SECTION 01 33 00 (01330) – SUBMITTAL PROCEDURES.
- B. PRODUCT DATA: SUBMIT MANUFACTURER'S PRODUCT DATA, INCLUDING INSTALLATION INSTRUCTIONS.

1.5 QUALITY ASSURANCE

- A. INSTALLER QUALIFICATIONS: INSTALLER EXPERIENCED IN PERFORMING WORK OF THIS SECTION WHO HAS PROVEN CAPABLE IN INSTALLATION OF WORK SIMILAR TO THAT REQUIRED FOR THIS PROJECT.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. DELIVERY: DELIVER MATERIALS IN MANUFACTURER'S ORIGINAL, UNOPENED, UNDAMAGED CONTAINERS.
- B. STORAGE: STORE MATERIALS IN CLEAN, DRY AREA INDOORS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- C. HANDLING: PROTECT MATERIALS DURING HANDLING AND INSTALLATION TO PREVENT DAMAGE.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. ACCEPTABLE MANUFACTURER: EASY-ARCH, INC., 26900 JEFFERSON AVENUE, MURRIETA, CALIFORNIA 92562.
WWW.EASY-ARCH.COM

2.2 COMPONENTS

- A. METAL FRAMING ARCHES, STYLES AND SIZES:

1. QUARTER-CIRCLE TRUE-RADIUS ARCH, 1 TO 4 FOOT RADIUS STANDARD, CUSTOM SIZES AVAILABLE.
2. HALF-CIRCLE TRUE-RADIUS ARCH, 2 TO 8 FOOT DIAMETER STANDARD, CUSTOM SIZES AVAILABLE.
3. EYEBROW CONSTANT-RADIUS ARCH, 3 TO 10 FOOT ROUGH OPENING STANDARD, CUSTOM SIZES AVAILABLE.
4. TRUE-ELLIPTICAL ARCH, 3 TO 10 FOOT ROUGH OPENING STANDARD, CUSTOM SIZES AVAILABLE.
5. COMPOUND-RADIUS ARCH, 5 TO 12 FOOT ROUGH OPENING STANDARD, CUSTOM SIZES AVAILABLE.

- B. METAL FRAMING ARCHES, WEB SIZE, WIDTH, TYPE OF CHANNEL AND GAUGE:

1. 2X4: 3-5/8" WIDTH, C CHANNEL, FOR WOOD OR STEEL STUDS, 25 GAUGE, 0.0188 INCHES [0.4775 MM] DESIGN THICKNESS.
2. 2X6: 5-5/8" WIDTH, C CHANNEL, FOR WOOD OR STEEL STUDS, 25 GAUGE, 0.0188 INCHES [0.4775 MM] DESIGN THICKNESS.
3. ADJUSTABLE: 2 SYMMETRICAL L CHANNELS (ANGLES), FOR NON-STANDARD FRAMED OPENINGS BETWEEN 2.5" – 18", WOOD OR STEEL, 20 GAUGE, 0.0312 INCHES [0.7924 MM] DESIGN THICKNESS.

2.3 MATERIALS

- A. COLD FORMED SHEET STEEL: COMPLYING WITH ASTM A653, STRUCTURAL GRADE 33, COATING DESIGNATION G40.

PART 3 EXECUTION

3.1 EXAMINATION

- A. EXAMINE AREAS TO RECEIVE METAL FRAMING ARCHES. ALL SURFACES AND STRUCTURES SHOULD BE PLUMB, LEVEL AND IN PROPER ALIGNMENT TO RECEIVE PRE-FORMED METAL ARCHES.
- B. NOTIFY ARCHITECT OF CONDITIONS THAT WOULD ADVERSELY AFFECT INSTALLATION.
- C. DO NOT BEGIN INSTALLATION UNTIL UNACCEPTABLE CONDITIONS ARE CORRECTED.

3.2 INSTALLATION

- A. INSTALL METAL FRAMING ARCHES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AT LOCATIONS INDICATED ON THE DRAWINGS.
- B. INSTALL METAL FRAMING ARCHES PLUMB, LEVEL, AND CENTERED IN OPENING.
- C. ANCHOR METAL FRAMING ARCHES SECURELY IN PLACE TO SUPPORTS.

3.3 PROTECTION

- A. PROTECT INSTALLED METAL FRAMING ARCHES FROM DAMAGE DURING CONSTRUCTION.

END OF SECTION