SECTION 08 11 73

SLIDING METAL FIRE DOORS

PART 1 – GENERAL

1.1 PURPOSE

A. This guideline is intended to provide useful information to the Professional Service Provider (PSP) to establish a basis of design. PSP is to apply the principles of this section such that the University of Texas at Arlington (UTA) may achieve a level of quality and consistency in the design and construction of their facilities. Deviations from these guidelines must be approved by UTA and may require justification through Life Cycle Cost (LCC) analysis and submitted to UTA for approval.

1.2 LESSONS LEARNED AND DESIGN CONSIDERATIONS

A. X

1.3 SUMMARY

A. Metal Doors shall be used only upon the approval of University of Texas at Arlington.

B. The purpose of this guideline is to assist the Design Architect in the proper selection of Sliding Metal clad, Class A Fire Doors and to ensure maintaining the University of Texas at Arlington standardization of door application. It is the Architect's responsibility to properly coordinate these products to meet applicable building codes, life safety codes and ADA requirements during preparation of Section 08 11 73 Sliding Metal Fire Doors.

1.4 REFERENCE STANDARDS

A. National Fire Protection Association (NFPA): 80-10 Fire Doors and Windows.

1.5 SUBMITTALS

A. See Division 01 for submittal procedures.

B. Product Data: Manufacturer's descriptive literature for each type of door; include information on fabrication methods.

C. Shop drawings: showing details of construction and installation details.

1. Verify dimensions by field measurements before fabrication and indicate on shop drawings.

D. Certificates: Stating that door has a Class A fire resistance rating.

E. Warranty: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

1.6 QUALITY ASSURANCE

A. Manufacturer Qualifications: Not less than 5 years of experience in manufacturing components of the types specified.

B. Installer Qualifications: Firm with documented experience in installing components of the types specified.

1.7 MOCK-UP

A. See Section 01 4000 Quality Requirements, for general requirements for mock-ups.

B. Provide mock-up 8 feet in length including all components occurring on project. Assemble to illustrate component assembly including glazing materials, sliding door, door frame, door hardware, applied aluminum trim, recessed floor track, recessed ceiling track, attachments to drywall and all aluminum component attachments and anchors.

C. Locate on-site where directed. Mock-up may not remain as part of the Work.

1.8 DELIVERY, STORAGE, AND HANDLING

A. Comply Deliver aluminum components in manufacturer's standard protective packaging, palleted, crated, or banded together.

B. Inspect delivered components for damage and replace. Repaired components will not be accepted.

C. Store components under cover in manufacturer's packaging until installation.

1.9 FIELD CONDITIONS

A. Do not begin installation of interior metal components until space has been enclosed and ambient thermal conditions are being maintained at levels consistent with final project requirements.

1.10 WARRANTY

A. See Division 01 for additional warranty requirements.
B. Correct defective Work within a two year period after Date of Substantial Completion.
C. Provide five year manufacturer warranty for finish defects including cracking, flaking, blistering, peeling and excess fading, chalking and non-uniformity in color.

PART 2 – PRODUCTS

2.1 SLIDING FIRE DOORS

A. Doors shall be complete, including all required and related components and accessories. Doors shall have Underwriters Laboratories, Inc., or other nationally recognized laboratory label for Class A doors.
B. Construct door cores of dressed, tongue and grooved, non-resinous wood strips not over 200 mm (8 inches) wide in three layers with outside layers vertical and inner layer horizontal. Fasten core layers together with cut clinch nails in rows not over 200mm (8 inches) apart to fasten every piece.
C. Provide covering for door of galvanized, steel sheets.
D. Each door shall have flat track, single link, fire door hardware complete for gravity acting doors. Hardware shall include door hangers, track, guides and keepers; chaffing strips, fusible link at each opening, cord and weights and pull handles. Provide fastenings and accessories for complete installation of door, including hardware.

PART 3 – EXECUTION

3.1 EXAMINATION

A. Verify that wall surfaces and openings are ready to receive frames and are within tolerances specified in manufacturer's instructions.

3.2 PREPARATION

A. Perform cutting, fitting, forming, drilling, and grinding of frames as required for project conditions.
B. Replace components with damage to exposed finishes.
C. Separate dissimilar metals to prevent electrolytic action between metals.

3.3 INSTALLATION

A. Install frames in accordance with manufacturer's instructions and approved shop drawings.
B. Install frames in longest lengths possible, with no section less than four feet.
C. Fasten to ceiling framing at 48 inches on center maximum with fasteners specified by manufacturer.
D. Set frames plumb, square, level, and aligned to receive doors. Anchor frames to adjacent construction in strict accordance with manufacturer's recommendations and within specified tolerances.
    1. Provide concealed installation clips for splice alignment and tight butt joints.
    2. Screw clips to main structural components.
    3. Exposed fasteners not allowed.

3.4 CLEANING

A. Upon completion of installation, thoroughly clean door and frame surfaces in accordance with AAMA 609 & 610.
B. Do not use abrasive, caustic, or acid cleaning agents.
C. All movable parts include hardware shall be cleaned and adjusted to operate as designed without binding or deformation of the members, and to fit tight and even without forcing or warping the components.

3.5 PROTECTION

A. Protect products of this section from damage caused by subsequent construction until Date of Substantial Completion.
B. Replace damaged or defective components that cannot be repaired to a condition indistinguishable from undamaged components.

END OF SECTION