

DIVISION 8 - DOORS & WINDOWS
SECTION 08 33 10 - OVERHEAD COILING DOORS/CURTAINS
(RATED AND/OR NON-RATED)

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Overhead coiling doors and, operating hardware, manual operation, in place.
 - 1. With or without fusible link operation, as called for:

1.2 REFERENCES

- A. ASTM A480 - Flat Rolled Stainless and Heat Resisting Steel Plate, Sheet and Strip.
- B. ASTM A525 - General Requirements for Steel Sheet, Zinc-coated (Galvanized) by the Hot-Dip Process.
- C. ASTM A526 - Steel Sheet, Zinc-coated (Galvanized) by the Hot-dip Process.
- D. ULI - Underwriters' Laboratories Inc.
- E. FM 1-23 - Protection of Openings.
- F. NFPA 80 - Standard for Fire Doors and Windows.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01 10 00.
- B. Shop Drawings.
- C. Manufacturer's Installation Instructions: Indicate special installation requirements.
- D. Maintenance Data.
- E. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.

1.4 DESIGN REQUIREMENTS

- A. Design exterior assemblies to withstand wind pressures, as required at the place where the project is located.

1.5 QUALITY ASSURANCE

- A. Perform Work in accordance with reference documents.
- B. Maintain one copy of each installation related reference document, on site.

1.6 QUALIFICATIONS

- A. Fabricator: A company specializing in the manufacture of the items specified in this Section, with a minimum of 10 years documented experience.
- B. Installer: An authorized representative of the manufacturer who has satisfactorily completed a minimum of two recent projects, of comparable size and type, using the manufacturer's product.

1.7 COORDINATION

- A. Coordinate this work with other related Sections of Work.

1.8 WARRANTY

- A. In accordance with the General Conditions of the Construction Contract.

PART 2 PRODUCTS

2.1 UNITS

- A. Prefabricated units, of series, size, etc., as called for; as manufactured by Cookson Doors, Clopay Corporation, Overhead Door Corporation or approved alternate(s).
- B. Fire rated doors shall carry Factory Mutual approval label as well as other required testing agency label.

2.2 MATERIALS

A. Doors

1. Unless specifically shown otherwise, surface mounted, 24 gauge stainless steel hood, torsion type high strength steel spring counterbalance, integral automatic closing mechanism, (separate from counterbalance and operating mechanisms), enclosed escapement type governor, steel shaft proportioned for curtain weight and to enclose counterbalance spring, cast iron barrels and brackets, gray iron machine molded gears, and correct ratio operating crank or hand chain as called for:
2. Curtain Portion: Standard, interlocking, stainless steel slats, with firestops for continuous end baffles, and stiffened bottom bar.
3. Guides: Stainless Steel angle type for bolting at frame, flared at top, with cast iron stops.
4. Finish: Baked prime coat, or a rust inhibiting paint shop coat - Manufacturer's standard.
5. Where required, the assembly shall include a fusible link system, at each side of the wall, operating in conjunction with the automatic closing mechanism, for rated installations.
6. It shall be the responsibility of the manufacturer to provide (and the authorized manufacturer's representative to install) the proper number of fusible links, at the appropriate locations - in accordance with Factory Mutual recommendations.

2.3 FABRICATION

- A. All work shall be fabricated in accordance with reviewed shop drawings; review of shop drawings, by the Office of the Contractor, shall be for design intent only.
- B. Review of shop drawings shall not relieve the Manufacturer of his responsibility for correct fabrication as designed.
- C. Where scheduled, units are to be rated and shall bear the appropriate label.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that field conditions are acceptable and are ready to receive work. Ensure that dimensions agree with drawings.
- B. Special attention shall be given to verification of wall openings, framing, etc.

3.2 INSTALLATION

- A. All work shall be installed in accordance with reviewed shop drawings; review of shop

drawings, by the Office of the Contractor, shall be for design intent only.

- B. Review of shop drawings shall not relieve the subcontractor of his responsibility for correct installation as called for.
- C. Care shall be exercised to protect unit finish, and to prevent damage to adjacent surfaces.
- D. Units shall be tested, and adjusted as required, for smooth and proper operation.

3.3 FINISH

- A. After installation, areas where prime coat has been damaged shall be touched up.

3.4 TOLERANCES

- A. Maximum allowable variation from plumb, level, alignment, etc.; in accordance with appropriate industry requirements.
- B. Longitudinal or diagonal warp; 3/16" maximum as measured from a 10'-0" straightedge placed in any position across the "hollow" face of the slatted curtain element.

PART 4 COMPLETION

4.1 CLEANUP

- A. All work shall be left clean and undamaged, ready for finish, as appropriate, under Separate Section.
- B. Refer to pertinent portions of Section 01 10 00.

END OF SECTION