

**SECTION 08 33 23
OVERHEAD COILING DOORS**

PART 1 - GENERAL

SCOPE

Applicable provisions of Division 1 shall govern the work of this Section. The work under this Section shall consist of providing all work, materials, labor, equipment and supervision necessary to provide the overhead coiling door work required in these drawings and specifications.

Work of this Section is under Alternate Bid A.

Included are the following topics:

PART 1 – GENERAL

Scope

Summary

References

System Description

Submittals

Quality Assurance

Project Conditions

Warranty

PART 2 – PRODUCTS

Manufacturers

Manufactured Units

PART 3 – EXECUTION

Examination

Preparation

Erection

Installation

Application

Field Quality Control

Adjusting

SUMMARY

Section Includes;

Provision of overhead coiling doors.

Work of this Section is under Alternate Bid A.

Related Sections;

Section 08 81 00 Door Hardware

REFERENCES

Reference Standards;

NFPA 80 Standard for Fire Doors and Windows

UL Fire Resistance Directory

SYSTEM DESCRIPTION

Performance Requirements;

Fire rating;

Products specified herein to be located at opening that are scheduled to be fire rated shall meet the scheduled fire rating/label requirements per the specifications of the listed NFPA and UL reference standards.

SUBMITTALS

Product Data;

Submit product data for all products specified herein.

In general, submit product data in accordance with the provisions of General Conditions of the Contract.

Submit 6 copies.

Shop Drawings;

Submit shop drawings for all products and configurations as shown on the drawings and as specified herein..
In general, submit shop drawings in accordance with the provisions of the General Conditions of the Contract.
Submit 6 copies.

Sustainability Data;

Submit the following for each type of product provided under work of this Section:

Recycled Content:

Indicate recycled content; indicate percentage of pre-consumer and post-consumer recycled content per unit of product.

Indicate relative dollar value of recycled content product to total dollar value of product included in project.

If recycled content product is part of an assembly, indicate the percentage of recycled content product in the assembly by weight.

If recycled content product is part of an assembly, indicate relative dollar value of recycled content product to total dollar value of assembly.

Local and Regional Materials:

Sourcing location: Indicate location of extraction, harvesting, and recovery. Indicate distance between extraction, harvesting, and recovery and the project site.

Manufacturing location: Indicate location of manufacturing facility. Indicate distance between manufacturing facility and the project site.

Product Value: Indicate dollar value of product containing local/regional materials. Include materials cost only.

Product Component Value: Where product components are sourced or manufactured in separate locations, provide location information for each component. Indicate the percentage by weight of each component per unit of product.

Submit 6 copies.

Samples;

Submit samples of the door and frame paint colors for selection.

In general, submit samples in accordance with the provisions of the General Requirements.

Submit 2 of each type of sample.

Quality Control Submittals;

Certificates:

Submit certification indicating that the products meet the specified performance requirements as applicable.

Contract Close Out Submittals;

Operation and Maintenance Data

Provide manufacturer's written operation and maintenance instructions to the contractor for inclusion in the project close out submittal.

QUALITY ASSURANCE

Qualifications;

Provision of the work of this section shall be by a contractor which is certified by the manufacturer of the products.

Provider of the work of this section shall have a minimum of 10 years of verifiable experience in work of the type and scope of that specified.

PROJECT CONDITIONS

Field Measurements;

Confirm field conditions and measurements prior to starting preparation of shop drawing submittals.

WARRANTY

Provide manufacturer's warranty certificate to the contractor for inclusion in the project close out submittal.

PART 2 - PRODUCTS

MANUFACTURERS

Overhead Coiling Doors – Design Standard
Overhead Door Corporation, Lewisville, TX

Overhead Coiling Doors – Other Acceptable Manufacturers
The Cookson Company, Phoenix, AZ
Cornell Iron Works, Mountaintop, PA
Wayne-Dalton. Mount Hope, OH

MANUFACTURED UNITS

Overhead Coiling Door

Overhead Coiling Door shall be COIL-AWAY 600 SERIES door as manufactured by Overhead Door Corporation
Door system designed to withstand 20 pounds per square foot wind loading.

Type CAW flat crown profile slat, with baked on POWDERGUARD polyester powder coat finish. Submit
manufacturers standard color range for color selection by Architect.

Operation shall be manual push up.

Curtain, guides, brackets and hood shall be galvanized steel, with baked on polyester powder coat. Submit
manufacturers standard color range for color selection by Architect

Provide manufacturers standard weather stripping on guides, lintel seal, and door bottom seal.

Provide bottom bar prepared for standard cylinder locking. Cylinder to be located on interior side of door.

Mounting as detailed on drawings. Opening is formed by side walls. Hood is face of wall mounted. Rails are
mounted between jambs (side walls). Entire hood mounted above top of masonry opening.

PART 3 - EXECUTION

EXAMINATION

Verification of Conditions;

Confirm configurations shown on approved shop drawings prior to starting installation.

Do not proceed with installation prior to reconciliation of field conditions with the configurations required by the
approved shop drawings.

INSTALLATION

General;

Install rolling doors in accordance with manufacturer's written installation instructions and in accordance with the
configurations shown on the approved shop drawings.

Install rolling doors in accordance with the provisions of the regulatory requirements and the reference standards.

Tolerances;

Rolling doors shall close at an average speed of not less than 6 inches per second and not more than 24 inches per
second.

FIELD QUALITY CONTROL

Tests;

Test operation of rolling doors after installation.

Adjustments:

Closure Rate

Adjust closure rate as necessary to meet the specified tolerances.

END OF SECTION 08 33 23