

SECTION 08330

INSULATED OVERHEAD COILING DOORS

PART 1 GENERAL

1.01 SUMMARY

A. Related Sections:

1. 05500 - Metal Fabrications
2. 07900 - Joint Sealers.
3. 09900 - Painting.

1.02 REFERENCES

A. American Society for Testing and Materials (ASTM):

1. A653/A-96 Specification for steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
2. A924/A-96a Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process.

B. Florida Department of Education, Office of Educational Facilities - State Requirements for Educational Facilities - 1999 (SREF).

C. Florida Building Code (FBC).

1.03 SUBMITTALS

A. Submit properly identified manufacturer's literature including specifications, installation details, and the following data before starting work.

1. Shop Drawings: Indicate size, construction details, gages, finish, installation details, anchorage, and hardware location.
2. Certification: Miami-Dade County product approval demonstrating compliance with FBC missile impact criteria.

- a. Comply with calculations, signed and sealed by a Florida registered professional engineer, establishing wind velocity pressure values for the

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specific project according to American Society of Civil Engineers (ASCE) 7-98 using a wind speed of 146 mph, exposure category "C", and a wind load importance factor of 1.15.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Insulated Overhead Coiling Doors:

1. Redi-Storm with Insul-Vapor Slat by Alpine Overhead Doors, Brooklyn, NY.
2. Model T23-PS by Atlas Door, Orlando, FL.
3. Series I-30 by Best Rolling Doors, Hialeah-Gardens, FL.
4. Insultite insulated overhead coiling steel door by Kinnear, Columbus, OH.
5. Series 625 by Overhead Door, Dallas, TX.
6. Model SSD-IF by Raynor, Dixon, IL.

2.02 FABRICATION

A. Galvanizing: Hot-dip zinc coated sheet steel according to ASTM A924, G90 or ASTM A653, 1.25 oz. zinc per sq.ft.

B. Insulation: Minimum 3/4" thick expanded polystyrene foam.

C. Operation:

1. Chain hoist operation, maximum 35 lb. pull on hand chain.
2. Manufacturer's Option:
 - a. Momentary switch with safety edge for automatic stop and change of direction.
 - b. Constant pressure switch.

D. Locking: Provide means for padlocking. Padlock is NIC.

2.03 FINISHES:

A. Factory primed with baked-on enamel or polyester top coat. Color selection by A/E.

PART 3 EXECUTION

3.01 INSTALLATION

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- A. Install according to manufacturer's installation instructions and with accepted shop drawings.
- B. Install accurately, without warpage, true to line, plumb, and level.

END OF SECTION

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