



SECTION 08360
SECTIONAL INSULATED STEEL OVERHEAD DOORS
ArmRLite: H-16 INSULATED STEEL MODEL

SPECIFIER NOTES should appear in **Blue**
LINKS TO RESOURCES should appear in **Red**

PART 1 GENERAL

1.1 SECTION INCLUDES

ATTN SPECIFIER: delete items below not required for project

- A. Glazed or Paneled Steel Sectional Overhead Doors
- B. Operating hardware and supports

1.2 RELATED SECTIONS

ATTN SPECIFIER: delete items below not required for project

- A. Section 03300 - Cast-In-Place Concrete: Prepared opening in concrete. Execution requirements for placement of anchors in concrete wall construction.
- B. Section 04810 - Unit Masonry Assemblies: Prepared opening in masonry. Execution requirements for placement of anchors in masonry wall construction.
- C. Section 05500 - Metal Fabrications: Steel frame and supports.
- D. Section 06114 - Wood Blocking and Curbing: Rough wood framing and blocking for door opening.
- E. Section 07900 - Joint Sealers: Perimeter sealant and backup materials.
- F. Section 08710 - Door Hardware: Cylinder locks.
- G. Section 09900 - Paints and Coatings: Field painting.
- H. Section 11150 – Parking Control Equipment: Remote door control.
- I. Section 16130 - Raceway and Boxes: Empty conduit from control station to door operator.
- J. Section 16150 - Wiring Connections: Electrical service to door operator.

1.3 REFERENCES

- A. ANSI/DASMA 102 - American National Standard Specifications for Sectional Overhead Type Doors.

A.4 DESIGN AND PERFORMANCE REQUIREMENTS

ATTN SPECIFIER: delete items below not required for project

- A. Wiring Connections: Requirements for electrical characteristics.
 - 1. 115 volts, single phase, 60 Hz.



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2. 230 volts, single phase, 60 Hz.
3. 230 volts, three phase, 60 Hz.
4. 460 volts, three phase, 60 Hz.

A.5 SUBMITTALS

- A. Submit shop drawings and product data under provisions of section 01300.
- B. Shop Drawings: Indicate opening dimensions and required tolerances, connection details, anchorage spacing, hardware locations, and installation details.
- C. Manufacturer Certificates: Certify products meet or exceed specified requirements
- D. Operation and Maintenance Manuals

1.6 OPERATION AND MAINTENANCE DATA

- A. Submit under provisions of Section 01700.
- B. Maintenance Data: Include data for lubrication frequency and spare part sources.

1.7 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with minimum (20) years documented experience.
- B. Installer Qualifications: Company specializing in performing the work of this section with minimum (10) years approved by manufacturer.

1.8 WARRANTY

- A. 5-year warranty on sections – standard 1-year warranty on remaining parts.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: For purposes of designating type and quality of work under this Section, Drawings and Specifications are based on products manufactured or Furnished by ARMRLITE DOOR MANUFACTURING CO. Toll Free: 800-554-5816 P:908-754-2600 ext 4016 Shannon McGrady F: 908-754-6522 email: smcgrady@armrlite.com W: www.armrlite.com
- B. Registered WBE-Woman owned business enterprise and LEEDs certified.
 1. Substitutions: Not Permitted
 2. Requests for substitutions will be considered in accordance with provisions of Section 01600

2.2 INSULATED STEEL SECTIONAL OVERHEAD DOORS

- A. Glazed Sectional Overhead Doors: **H-16 INSULATED STEEL MODEL** by ArmRLite Door Manufacturing Co., Incorporated. Units shall have the following characteristics:
 1. Door Assembly: Foamed in place construction – CFC free. Pebble grain texture exterior 26 gauge skin with pencil rib and interior 28 gauge skin.
 - a. Section Thickness: 1 ¾" inches



- b. R-Value 16
- c. Springs:

ATTN SPECIFIER: delete items below not required for project

- 1) 10,000 cycles.
- 2) 25,000 cycles.
- 3) 50,000 cycles.
- 4) 75,000 cycles.
- 5) 100,000 cycles.

- d. Lites:

ATTN SPECIFIER: delete items below not required for project.

- 1) () 24" x 12" lites per section
- 2) () 24" x 8" lites per section
- 3) Full vision section(s) to contain 1/8" non-insulated glazing
- 4) Full vision section(s) to contain 1/4" non-insulated glazing
- 5) Full vision section(s) to contain 7/16" insulated glazing
- 6) Full vision section(s) to contain 1" insulated glazing
- 7) Full vision section(s) to contain 9/16" hurricane glass

- e. Finish and Color:

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- 1) Standard White
- 2) Standard Brown
- 3) Custom Finish per architect supplied sample. (*consult factory regarding custom finish options*)

- f. Hardware: All hinges and fixtures made of 14 gauge galvanized steel. Full floating, ball bearing rollers have hardened steel races, and roller sizes will be adequate for design requirements and limitations. Heavy-duty, fully adjustable roller brackets are attached to each end cap to provide an easy adjustment of the door to the job for proper seal. All hardware is heavy-duty and rust-resistant with galvanized fasteners. Heavy-duty rollers contain steel ball bearings in case-hardened steel races.

ATTN SPECIFIER: delete items below not required for project

- 1) Corrosion Resistant Package by ArmRLite for stainless steel track and hardware for use in high moisture or corrosive environments.

- g. Lock: Interior galvanized single unit.

- h. Weatherstripping:



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- 1) bottom section astragal.
- 2) Jamb seals.
- 3) Header seal.
- i. Track: Provide track as recommended by manufacturer to suit loading required and clearances available.

ATTN SPECIFIER: delete items below not required for project

- 1) Low Headroom Track
- 2) Standard Lift Track
- 3) High Lift Track
- 4) Full Vertical Lift Track
- 5) Roof Pitch Track

2.3 OPERATION

ATTN SPECIFIER: delete items below not required for project

- A. Manual Operation: Pull rope.
- B. Manual Operation: Chain hoist.
- C. Electric Motor Operation: Provide electric operator, size and type as recommended by manufacturer.
 - a. Pneumatic sensing edge.
 - b. Electric sensing edge
 - c. Photoelectric sensors
 - d. Operator Controls:
 - i. Push-button operated control stations with open, close, and stop buttons.

3.0 INSPECTION

- A. Verify that wall openings are ready to receive work and opening dimensions and tolerances are within specified limits.
- B. Beginning of installation means acceptance of existing surfaces.

3.1 PREPARATION

- A. General Contractor to prepare opening per Arm-R-Lite shop drawings. All steel reinforcing or wood blocking for track, springs and operator mounting by General Contractor.

3.2 INSTALLATION

- A. Install door unit assembly in accordance with manufacturer's instructions.
- B. Anchor assembly to wall construction and building framing without distortion or stress
- C. Secure tracks to structural members only.



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OVERHEAD DOORS

- D. Fit and align door assembly including hardware, level and plumb, to provide smooth operation.
- E. Coordinate installation of sealant and backing materials at frame perimeter as specified in Section 07900, JOINT SEALERS.
- F. Install perimeter trim and closures.

3.3 TOLERANCES

- A. Maintain dimensional tolerances and alignment with adjacent work.
- B. Maximum variation from Plumb: 1/8 inch.
- C. Maximum variation from Level: 1/8 inch.
- D. Longitudinal or Diagonal Warp: Plus or minus 1/8 inch from 10 Ft. straight edge.

3.4 ADJUSTING

- A. Adjust door assembly to smooth operation.

3.5 CLEANING

- A. Clean doors, frames and glass.
- B. Remove labels and visible markings.

END OF SECTION 08360

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