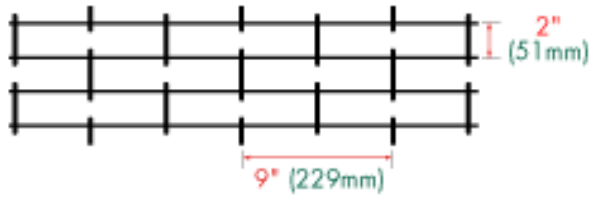
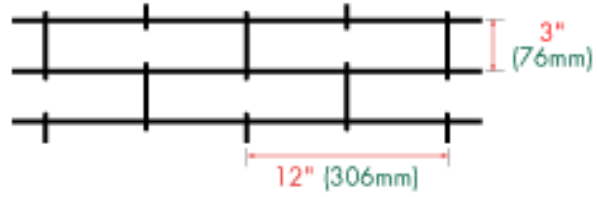


# Labyrinth 209 and Labyrinth 312 Specifications

**Labyrinth 209 – Brick Pattern**



**Labyrinth 312 – Brick Pattern**



## SECTION 08330 COILING DOORS AND GRILLES

### PART 1 - GENERAL

#### 1.01 SUMMARY

A. Section Includes: [Manual push-up] [crank] [electric motor operated] overhead rolling grilles.

KEEP B AND C 4. BELOW IF NOT USING MANUFACTURER'S STANDARD CYLINDERS

B. Products not installed or supplied under this section: Keyed mortise cylinders.

C. Related Sections: Grille opening structural or finish work and all electrical is in the scope of other sections.

1. 05500 Metal fabrications; grille jamb and header
2. 06100 Rough carpentry; grille jamb and header
3. 08310 Access doors and panels
4. 08710 Door hardware; keyed mortise cylinders
5. Division 16; all miscellaneous wiring for electric motors and accessories.

#### 1.02 SUBMITTALS

A. Reference Section 01330 Submittal Procedures; submit following items:

1. Product Data: Include published data and specific data prepared for this project.
2. Approval Drawings: Include detailed plans, elevations, required clearances and accessories.
3. Installation Instructions.
4. Quality Assurance Requirements:

- a. Manufacturer qualifications
- b. Installer qualifications
- c. Certificates

### **1.03 QUALITY ASSURANCE**

- A. Manufacturer Qualifications: Minimum of three years experience in the fabrication and installation of overhead rolling security grilles.
- B. Installer Qualifications: Authorized representative of the manufacturer.
- C. Certificate stating that materials and finishes comply with specifications.
- D. Single Source Responsibility: Provide grilles, guides and related primary components from one manufacturer for each type of grille. Provide secondary components from source acceptable to manufacturer of primary components.
- E. Pre-Installation Conference: Schedule and convene a pre-installation conference just prior to commencement of field operations to establish procedures to maintain optimum working conditions and to coordinate this work with related and adjacent work.

### **1.04 DELIVERY, STORAGE AND HANDLING**

- A. Reference Section 01660 Product Storage and Handling Requirements.
- B. Deliver materials in labeled protective packages. Store and handle in compliance with manufacturer's instructions.

### **1.05 WARRANTY**

- A. Standard Warranty: Covers for one year from the time of installation for defective materials and workmanship.

## **PART 2 PRODUCTS**

### **2.01 MANUFACTURER**

- A. Dynamic Closures

- B. Local representative:

First Choice Accordion Doors

Sales@Accordion-Door.com

Toll Free 877-723-0209

International 503-723-0209 Fax 503-723-0503

- C. Substitutions: Reference Section 01630 (Product Substitution Procedures)

### **2.02 MODELS AND MATERIALS**

- A. Model: Rolling Grille - [Labyrinth 209] [Labyrinth 312];
- B. Curtain:

1. 5/16 inch (8mm) horizontal rods: [aluminum] [galvanized steel].
2. Vertical spacing: [2 inch (51mm)] [3 inch (76mm)] o.c.
3. 3/4 inch (19mm) wide aluminum links: end of each link is slide onto horizontal rods, secured in place by 1/2 inch (13mm) [aluminum] [HIEP] sleeves, spaced alternately [4 1/2 inch (114mm)] [6 inch (152mm)] on center.

Pattern: Brick

4. Bottom Bar: Heavy extruded tubular aluminum.

5. Finish:

- a. Bottom bar: aluminum [mill] [clear anodized] [medium bronze anodized].
- b. Curtain rods and links [mill] [clear anodized] [medium bronze anodized]
- c. Curtain rods: galvanized; aluminum link chain: mill
- d. Guides: Heavy extruded aluminum shape 2 1/2 inch (64mm) by 1 7/16 inch (37mm) with upset shoulders for curtain retention. Each guide will be fitted with vinyl stripping for quiet operation and to cushion both sides of curtain.

6. Support angle: steel angle of recommended size by manufacturer

7. Support tubes: steel tubes of recommended size by manufacturer

Finish:

- a. Guides: [mill] [clear anodized] [medium bronze anodize]
- b. Support [angles] [tubes]: [unfinished] [primed painted]

C. Counterbalance: Helical torsion spring assembly set in steel pipe of recommended size by manufacturer to support curtain with a maximum deflection of .03 inch (.76mm) per foot of curtain width.

D. Bracket Plates: Minimum 3/16 inch (5mm) steel plate to support counterbalance assembly, curtain (and hood, optional)

E. Hoods: \*\*\*KEEP ONLY IF REQUIRED-NOT RECCOMENDED FOR COIL ABOVE CEILING INSTALLATION

1. [24 gauge steel] [.040 aluminum] formed to enclose coil, mounted onto bracket plates and supplied with intermediate support brackets as recommended by manufacturer.

Finish:

- a. 24 gauge steel [galvanized] [primed gray] [powder coat paint]
- b. .040 aluminum [mill] [clear anodized] [medium bronze anodize]

F. Locking:

1. Centered keyed cylinder both sides of bottom bar.
2. Thumb turn cylinder coil side, keyed cylinder exterior. Protection panel provides for

security needs.

## G. Operation:

1. Manual push-up
2. Hand crank from coil side of curtain.
3. Electric Motor: Size and type recommended by manufacturer
  - a. Electrical interlocks: prevents operation when bottom bar is locked.
  - b. Keyed control stations: Flush mounted both sides of curtain for secured operation.
  - c. Emergency Egress Release: Provides a public means for manual operation of the grille. This device mounts flush on interior wall and contains a pull handle to disconnect operator from grille.

## **PART 3 EXECUTION**

### 3.01 EXAMINATION

- A. Examine supports and other conditions under which closures are to be installed.
- B. Coordinate with responsible entity to correct unsatisfactory conditions and do not proceed with installation until conditions are corrected.

### 3.02 INSTALLATION

- A. Follow manufacturer's installation instructions and approval drawings.

### 3.03 ADJUSTING AND CLEANING

- A. Test operation of closure and adjust as necessary to provide smooth and proper operation.
- B. Clean exposed surfaces using manufacturer's recommended cleanser.

### 3.04 DEMONSTRATION

- A. Instruct owner's personnel in proper operating and maintenance procedures.

END OF SECTION.