

# Rollase Acmeda Motor-Operated Drapery Track

10-1-2020

## Section 12 24 13

### PART I GENERAL

#### 1.01 General Provisions

- A. Drawings and General Provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.
- B. Carefully review and examine all other Contract Documents for requirements therein affecting the work of this Section. Furthermore, coordinate and sequence the work of this Section with all other trades affected.

#### 1.02 Summary

- A. Furnish and install:
  - 1. Motorized Drapery Tracks at all designated locations.
  - 2. Operating and installation hardware.

#### 1.03 Related Work

- A. Examine Contract Documents for requirements that affect the work of this Section. Other Specifications Sections that directly relate to work in this Section include, but are not limited to:
  - 1. Division 6 Section Rough Carpentry.
  - 2. Division 6 Section Finish Carpentry.
  - 3. Division 8 Sections Doors & Windows.
  - 4. Division 9 Sections Gypsum Board & Acoustical Ceilings

#### 1.04 References

- A. ASTM A 228 - Standard Specification for Steel Wire, Music Spring Quality.
- B. ASTM A 666 Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.
- C. ASTM A 1008 - Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardened.
- D. ASTM A 1010 - Standard Specification for Higher-Strength Martensitic Stainless Steel Plate, Sheet and Strip.
- E. ASTM G 21- Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi.
- F. ASTM G 22 - Standard Practice for Determining Resistance of Plastics to Bacteria.
- G. NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films.
- H. California Administrative Code Title 19
- I. New York State Uniform Fire Prevention and Building Code
- J. Greengard Certified Low Emitting Interior Products.

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K. Cradle to Cradle Eligible Shade Fabrics 3.1

## **1.05 Submittals**

- A. Fabricator / Dealer to submit under provisions of Division 1 Section "Submittal Procedures":
  1. Product Data
  2. Mounting details and installation methods
  3. Approval drawings
  4. Window Treatment Schedule
  5. Drapery cloth selection samples
  6. Maintenance data

## **1.06 Quality Assurance**

- A. Manufacturer Qualifications: Obtain drapery tracks through one source from a single manufacturer with a minimum of ten (10) years' experience in manufacturing products comparable to those specified in this Section.
- B. Installer Qualifications: Installer certified by the manufacturer with a minimum of five (5) years' experience in installing products comparable to those specified in this Section.

## **1.07 Delivery, Storage and Handling**

- A. Product shall be delivered to site in manufacturer's original packaging.
- B. Product shall be handled and stored to prevent damage to materials, finishes and operating mechanisms.

## **1.08 Project Conditions**

- A. Environmental Limitations: Install drapery tracks after finish work, including painting, is complete and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

## **1.09 Warranty**

- A. Lifetime Limited Warranty on drapery hardware. Fabrics warranted for 10 years minimum. DC motors and electronic accessories to be free from defects in materials and workmanship for 7 years, and warrants battery powered DC motors to be free from defects in materials and workmanship for 5 years when installed properly and operated under normal use from the date stamped or affixed label on each device. Specific product warranties available from manufacturer or its authorized fabricator / dealer.

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## PART II PRODUCTS

### 2.01 Manufacturer

A. Subject to compliance with the requirements specified herein, the following manufacturer offering component products is to be incorporated into the work:

1. Rollease Acmeda, Stamford, CT., 800.552.5100 or 413-221-5949,  
[www.rolleaseacmedacontract.com](http://www.rolleaseacmedacontract.com)
  - a. Geremie Giancola, Commercial Group Manager
  - b. Email: [geremie.giancola@RolleaseAcmeda.com](mailto:geremie.giancola@RolleaseAcmeda.com)

B. Substitutions – No substitutions allowed.

### 2.02 Drapery Track Components

A. Control System: AUTOMATE™ MOTOR SYSTEM

Drapery Motor and Control System – All line and low voltage wiring rough in and termination by others.

**\*\* NOTE TO SPECIFIER \*\*** Contact Rollease Acmeda for more information concerning motor applications.

**Radio Technology, 12V DC QUIET motor with built-in radio transceiver.**

**\*\* Note to Specifier\*\* Suitable for drapes up to 19' continuous or 36' spliced on R-Tech track; or 12' continuous or 24' spliced on Aria H track.**

- Slimline motor for easy concealment at end of track
- Motor can be inverted and mounted vertically into a ceiling pocket.
- Motor Operating sound level  $\leq 44$ dB
- Motor has ingress protection rating of IP-40 and ESD protection to 12 KV.
- Motor provides position reporting and “move to” position control via 2-way radio commands when operating from Mobile Device APP or connected to Automation systems.
- MANUAL ACTIVATION - Gently pull on the drape fabric and the motor will complete the action - automatically moving the drapes to the preferred, open or close, position.
- MANUAL OVERRIDE - Permits the drapery to be operated manually without the use of a remote or in case of power failure.
- SOFT STOP - Motor will slow down so drapes come together softly, upon closure, for a refined aesthetic.
- ADJUSTABLE SPEED CONTROL - Three shade speed settings (80, 100, and 120 rpm). Faster for larger curtains/drapes, slower for smaller or quieter operation.
- SOFT STOP - Motor will slow down so drapes come together softly, upon closure, for a refined aesthetic.
- MICRO USB CHARGING - When using the rechargeable battery pack, quickly and conveniently charge the motor with any micro USB cable charger.
- OBSTRUCTION DETECTION – If the drapery motion is obstructed while the motor is running, the motor stops automatically to prevent damage.

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- IOT INTEGRATION – Pairs with several voice control systems using the R-Tech hub and Automation® App, including Apple Homekit, Amazon Alexa, Google Assistant, IFTTT and SmartThings.

## Control Options –

- 5 Channel decorator wall switch- Flush Mount.
- Single channel wireless wall switch for radio motor control.
- Two channel wireless wall switch for radio motor control.
- 15 channel wireless LCD wall switch for radio motor control.
- Single channel wireless handheld transmitter with concealed magnetic wall mounting clip.
- 15-Channel wireless handheld LCD transmitter with concealed magnetic wall mounting clip and “Levelling Control” feature, allowing shade(s) to be operated to 10 aligned positions -White.
- Single Channel Dry Contact Interface – Allows for full control of radio motor shade via dry contact interface. (external 12v or 24v power source required).
- ARC Repeater – Nearly doubles the range of a standard hub.
- Wi-Fi / Serial Automation Interface.
  - Allows for full control, with feedback, of radio motor shade via RS485 serial data connection.
  - Supports Mobile Device Control through iOS or Android APPs via Wi-Fi Connection.

## Power Options 110v AC Power Supply –

1. Line voltage 12v DC (output) power supply 1 per motor.
2. Line voltage 15v DC (output) power panel 1 per 18 drapery motors (refer to product information guide for more assistance).

## Power Options Rechargeable Battery Pack–

1. Plug in 12v Charger - 1 per motor-OR- 1 per tenant space
2. Solar Panel Trickle charger. (see Rollease Acmeda Solar Panel Configurator to calculate panel requirements) 1 per motor.

## B. Drapery Tracks:

1. Headrail:
  - a. Aria 1-3/8” H-rail traversing drapery rod. Manufactured to use endcaps or finials. Can be configured for Ripplefold Center Draw, Ripplefold Butt Master Center Draw, Ripplefold Butt Master One-way Draw, Pinch Pleat Center Draw, or Pinch Pleat One-way Draw. Straight sections can be spliced together. Lengths up to 12’ un-spliced or up to 24’ spliced. Maximum system weight 80 pounds. Specifier to choose color from manufacturer’s available options. Custom colors available with MOQ requirements.

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- b. R-Tech traversing drapery rod. Manufactured to use endcaps or finials; and has optional wood fascia. Can be configured for Ripplefold Center Draw, Ripplefold Butt Master Center Draw, Ripplefold Butt Master One-way Draw, Pinch Pleat Center Draw, or Pinch Pleat One-way Draw. Straight sections can be spliced together. Lengths up to 19' un-spliced or up to 36' spliced. Maximum system weight 110 pounds. Specifier to choose track color from white or bronze and fascia color from manufacturer's available options.
2. Drive Belt: Synthetic, geared belt that secures to carriers and is hidden within the headrail for smooth, trouble-free operation.
  3. Drive and Return Assembly: Manufactured from same metal as headrail to be able to have matching finish. Carrier pendants attach to the drive assembly, eliminating the need for curtain hook attachments. Internal bushing for smooth operation.
  4. Carriers: Wheel mounted with rotating eyelets. Carriers come in both pinch pleat and ripple-fold styles. For pinch pleat, the spacing is 3 carriers per foot. For ripple folds, the following spacing applies for desired fullness:  
120% fullness - 17/8" spacing: 7 carriers per foot.  
100% fullness - 21/8" spacing: 6 carriers per foot.  
80% fullness - 23/8" spacing: 5 carriers per foot.  
60% fullness - 25/8" spacing: 4 carriers per foot.  
See data book for complete details.
  5. Brackets: Steel mounting brackets color matched to headrail system. Available in both ceiling and wall mount; or single or double track. See data book for minimum required bracket spacing.

## **PART III EXECUTION**

### **3.01 Examination**

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another trade, notify Contractor / Architect of unsatisfactory preparation before proceeding.

### **3.02 Preparation**

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the fabricator / dealer for achieving the best result for the substrate under the project conditions.

### **3.03 Installation**

- A. Install drapery tracks square, plumb, level and true according to manufacturer's written instructions. Allow proper clearances for window operation hardware.
- B. Secure in place with proper fasteners for mounting substrate.
- C. Installation Tolerances:
  1. Maximum Variation of Gap at Window Opening Perimeter: 1/4 inch.
  2. Maximum Offset from Level: 1/16 inch.

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## **3.04 Adjustment**

- A. Adjust and balance drapery tracks to operate smoothly, easily, safely, and free from binding or malfunction throughout entire operational range.

## **3.05 Cleaning**

- A. Clean all surfaces after installation, according to manufacturer's written instructions.

## **3.06 Protection**

- A. Protect installed products until completion of project.
- B. Touch-up or repair damaged products, or replace products damaged by other trades, before Substantial Completion.

**END OF SECTION**