

SPECIFIER NOTE:

The purpose of this guide specification is to assist the specifier in correctly specifying roman shades and their installation. The specifier needs to edit the guide specifications to fit the needs of specific projects. Contact Crestron to assist in appropriate product selections and for detailing assistance. Throughout the guide specification, there are Specifier Notes to assist in the editing of the file. Red text in brackets indicates a selection needs to be made



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ROMAN SHADES

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Motor operated roman shades

1.2 SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, dimensions of individual components and profiles, features, finishes, and operating instructions for roller shades.
- B. Shop Drawings: Show fabrication details for roman shades, include details of installation and diagrams for power, signal, and control wiring.
- C. Samples: For each exposed product and for each color and texture to be utilized
- D. Operation and Maintenance Data

1.3 QUALITY ASSURANCE

- A. Crestron Shading Systems require installation by a trained and certified specialist, either a trained Crestron Dealer or an authorized shading systems service provider.

1.4 FIELD CONDITIONS

- A. Do not install roman shades until construction and finish work in spaces, including painting, is complete and dry and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.
- B. Field Measurements: Where roman shades are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication and indicate measurements on Shop Drawings. Allow clearances for operating hardware of operable glazed units through entire operating range. Notify Architect of installation conditions that vary from Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

1.5 WARRANTY

- A. Manufacturer Warranty: Crestron Warrants Digital QMTDC Motors against defects in material or workmanship under normal use for the lifetime of the motor.



- B. Mounting Hardware Warranty: Crestron warrants mounting hardware against defects in material or workmanship under normal use for a period of 5 years.

SPECIFER NOTE:

Shade Fabrics are warranted by the fabric manufacturer and passed through by Crestron to the end user. Warranty periods vary by manufacturer. Confirm desired warranty period is offered by fabric manufacturer.

- C. Fabric Warranty: Shade fabric warranted against defects in material or workmanship for a for a period of [5] [10] years.

PART 2 - PRODUCTS

2.1 ROMAN SHADE BASIS OF DESIGN

- A. Roman Shade System by Crestron Electronics Inc. Rockleigh, NJ 800-237-2041
www.crestron.com

2.2 MOTOR-OPERATED ROMAN SHADES

- A. Motor

SPECIFER NOTE:

CSM-QMTDC-250-4-CN and CSM-QMTDC-250-4-EX is for shades 18 inches to 150 inches wide and a maximum height of 20 feet. The QMTDC-250 motor can be used with QMT5 Series Architectural or QMT5 Series Décor Mounting Hardware.

All of Crestron's motors are Brushless Direct Current (BLDC) motors

Depending on field conditions wireless motors may be more appropriate for retrofit conditions so that wires are not exposed. Select either a Wired Motor or a Wireless Motor and remove the other options. Where more than one type of motor is required coordinate locations and identify on Drawings.

1. [Wired BLDC Motors - 24 Volt - Low voltage power: CSM-QMTDC - 250-4-CN: Digital QMT Shade Motor for QMT5 Series 4Nm, CRESNET]
2. [Wireless BLDC Motors - 24 Volt - Low voltage power: CSM-QMTDC - 250-4-EX: Digital QMT Shade Motor for QMT5 Series 4Nm, INFINET EX]
3. Motor features include
 - a. Obstacle Detection
 - b. Variable Rotation Speed

- B. Power Supply

SPECIFER NOTE:

Select Multiple Motor Power Supply when using any of the Wired Motors, and Dedicated Power Supply option when using a Wireless Motor.

1. [Multiple Motor Power Supply: CSA-PWS-10S-HUB-ENET: 10 Motor Power Supply with Ethernet to CRESNET Bridge and CRESNET Hub]
2. [Dedicated Power Supply: CSA-PWS40 Power Pack for Crestron Shade or Drapery Motors]

C. Control Cable:

SPECIFIER NOTE:

Control cables are only required for the Wired Motors and should be deleted for wireless motor shades. Select the cable based on Plenum/Non-Plenum applications. Both non-plenum rated cables have a maximum run of 500 feet. The plenum rated Cable has a maximum run of 130 feet.

1. [CRESNET-NP Series Control Cable, Non-Plenum]
2. [CRESNET-HP-NP Series High Power Control Cable, Non-Plenum]
3. [CRESNET-P Series Control Cable, Plenum-Rated.]

D. Processor

1. Crestron Control System

E. Control Interface

SPECIFIER NOTE:

Crestron Shades are controlled by the processor which is connected to the control interface. The following are just some of the options that can be used based on the specific needs of the project.

1. [Remote Control]
2. [Keyed Control Station]
3. [Individual Switch Control Station]
4. [Group Control Station]
5. [Sun Sensor]
6. [Timer]
7. [Touch Screen]

F. Mounting Hardware: Brackets, corrosion resistant and compatible with roller assembly, operating mechanism, installation accessories, and mounting location.

1. Bracket: CSA- DECOR5 – BRKT QMT5 Series Decor Shade Hardware
2. End caps: White plastic covers for exposed brackets.

2.3 FABRIC

SPECIFIER NOTE:

Crestron can work with most fabric manufacturers but does not provide the fabrics for Roman Shades. Verify with design team to coordinate fabric selections and limitations. Include the following information based on the fabric selection.

- A. *Manufacturer*
- B. *Color*
- C. *Weight*

2.4 ROMAN SHADE FABRICATION

- A. Product Safety Standard: Fabricate shades to comply with WCMA A 100.1.
- B. Unit Sizes: Fabricate units in sizes to fill window and other openings.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, operational clearances, locations of connections to building electrical system, and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 ROMAN SHADE INSTALLATION

- A. Install roman shades level, plumb, and aligned with adjacent units according to manufacturer's written instructions.
- B. Electrical Connections: Connect motor-operated roller shades to Crestron power supply.

3.3 ADJUSTING

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

3.4 CLEANING AND PROTECTION

- A. Protect roman shade components after installation and prior to project Substantial Completion.
- B. Replace damaged shades that cannot be repaired.

END OF SECTION

DISCLAIMER:

This Specification has been written as an aid to the professionally qualified Specifier and Design Professional. The use of this Guide requires the sole professional judgment and expertise of the qualified Specifier and Design Professional to adapt the information to the specific needs for the Building Owner and the Project, to coordinate with their Construction Document Process and to meet all applicable building codes, regulations and laws. CRESTRON EXPRESSLY DISCLAIMS ANY WARRANTY, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE OF THIS PRODUCT FOR THE PROJECT.