

1.1

ROLLER SHADES

- A. Roller Shade System: Manual. Clutch Operated.
1. Configuration:

**** NOTE TO SPECIFIER ** Select one of the following two configuration options as required. Delete the one not required.**

- a. Configuration: Single Shades.
b. Configuration: Dual Shades.
2. Mounting Requirements:

**** NOTE TO SPECIFIER ** Select one of the following three mounting options as required. Delete the one not required. Pocket headbox is framed by others.**

- a. Inside mount.
b. Outside mount.
c. Pocket/Headbox in Ceiling.
3. Side Channels: Includes side enclosures, plastic guides, channel fasteners, L-channel bottom enclosure.

**** NOTE TO SPECIFIER ** Select one of the following two mounting options as required. Delete the one not required.**

- a. Inside mount.
1) Color as selected by Architect from fabricator's available selection.
2) White.
3) Bronze.
4) Alabaster.
5) Anodized.
6) Black.
b. Outside mount.
1) Color as selected by Architect from fabricator's available selection.
2) White.
3) Bronze.
4) Alabaster.
5) Anodized.
6) Black.
4. Roller Tube: Extruded aluminum tube 6063-T5. Tube size to be determined by manufacturer based on window size, fabric selection and operation.
5. Brackets: Cold rolled steel ASTM A1008. Color and size to be determined by Architect or manufacturer from fabricator's available selections.
6. Operator: Clutch with metal or plastic chain

**** NOTE TO SPECIFIER ** Select operator required from the following 4 paragraphs and delete those not required.**

- a. Silver color metal chain
b. Black plastic chain,
c. White plastic chain.

- d. Ivory plastic chain.
- e. Bead chain hold down: P-Clip

**** NOTE TO SPECIFIER ** Select fascia or headbox required and delete those not required.**

- 7.

Fascia: L shaped aluminum alloy extrusion to conceal shade roller and hardware. Color as selected by Architect from fabricator's available selections.
 - a. 3 inch square.

**** NOTE TO SPECIFIER ** Select color required and delete those not required.**

- 1)

White.
- 2) Bronze.
- 3) Alabaster.
- 4) Anodized.
- 5) Black.
- b. 3 inch curved.

**** NOTE TO SPECIFIER ** Select color required and delete those not required.**

- 1)

White.
- 2) Bronze.
- 3) Alabaster.
- 4) Anodized.
- 5) Black.
- c. 4 inch square.

**** NOTE TO SPECIFIER ** Select color required and delete those not required.**

- 1)

White.
- 2) Bronze.
- 3) Alabaster.
- 4) Anodized.
- 5) Black.
- d. 4 inch curved.

**** NOTE TO SPECIFIER ** Select color required and delete those not required.**

- 1)

White.
- 2) Bronze.
- 3) Alabaster.
- 4) Anodized.
- 5) Black.
- e. 5.5 inch square.

**** NOTE TO SPECIFIER ** Select color required and delete those not required.**

- 1)

White.
- 2) Bronze.
- 3) Alabaster.
- 4) Anodized.
- 5) Black.
- f. 7 inch square.

**** NOTE TO SPECIFIER ** Select color required and delete those not required.**

- 1) _____
White.
 - 2) _____
Bronze.
 - 3) _____
Alabaster.
 - 4) _____
Anodized.
 - 5) _____
Black.
8. Headbox: Aluminum alloy extrusion with removable closure panel to minimize slot for shade passage but allowing access to shade for maintenance. Can be used without closure. Powder coat finish.
- a. Mounting:

**** NOTE TO SPECIFIER ** Select mount required and delete those not required.**

- 1) _____
Inside pocket in ceiling.
 - 2) _____
Mounted to ceiling grid.
 - 3) _____
Mounted to surface of ceiling.
- b. Finish:
- 1) _____
White Powder Coat.

**** NOTE TO SPECIFIER ** Select side closure wall clip if required and delete if not required.**

9. _____
Side Closure Panel Wall Clip: Aluminum alloy extrusion for site constructed ceiling recesses, provide removable closure panel to minimize slot for shade passage but allowing access to shade for maintenance.
10. Hembar. Aluminum alloy extrusion.

**** NOTE TO SPECIFIER ** Select hembar required and delete those not required.**

- a. _____
External Hembar. Oval hem bar with end caps.

**** NOTE TO SPECIFIER ** Select color required and delete those not required.**

- 1) _____
White.
 - 2) _____
Bronze.
 - 3) _____
Alabaster.
 - 4) _____
Anodized.
 - 5) _____
Black.
- b. Slim Hembar. Slim hem bar with end caps. To be used with side channel and sill.

**** NOTE TO SPECIFIER ** Select color required and delete those not required.**

- 1) _____
White.
 - 2) _____
Bronze.
 - 3) _____
Alabaster.
 - 4) _____
Anodized.
 - 5) _____
Black.
- c. Internal Hembar. Aluminum extrusion enclosed in a fabric hem pocket with heat-welded seams and ends to match shade cloth selection.
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**** NOTE TO SPECIFIER ** Shade fabrics are available in several colors and openness grades. Contact the manufacturer for additional information.**

11. _____
Shade fabric color and openness as selected by Architect from fabricator's available selections.
- B. Roller Shade System: Motorized. Motor Operated.
 1. Configuration:

**** NOTE TO SPECIFIER ** Select one of the following two configuration options as required. Delete the one not required.**

- a. _____
Single Shades.
- b. _____
Dual Shades.
2. Mounting Requirements:

**** NOTE TO SPECIFIER ** Select one of the following three mounting options as required. Delete the one not required. Note that headbox in the ceiling is provided by others**

- a. _____
Inside mount.
- b. _____
Outside mount.
- c. _____
Pocket/Headbox in Ceiling.
3. Side Channels: Includes side enclosures, plastic guides, channel fasteners, L-channel bottom enclosure.

**** NOTE TO SPECIFIER ** Select one of the following two mounting options as required. Delete the one not required.**

- a. _____
Inside mount.

**** NOTE TO SPECIFIER ** Select color required and delete those not required.**

- 1) _____
White.
- 2) _____
Bronze.
- 3) _____
Alabaster.
- 4) _____
Anodized.
- 5) _____
Black.
- b. Outside mount.

**** NOTE TO SPECIFIER ** Select color required and delete those not required.**

- 1) _____
White.
- 2) _____
Bronze.
- 3) _____
Alabaster.
- 4) _____
Anodized.
- 5) _____
Black.
4. Roller Tube: Extruded aluminum tube 6063-T5. Tube size to be determined by manufacturer based on window size, fabric selection and operation.
5. Brackets: Cold rolled steel ASTM A1008. Color and size to be determined by Architect or manufacturer from fabricator's available selections.
6. Operator: Motor. Enclosed, maintenance free, reversible, tubular concealed inside roller tube.

**** NOTE TO SPECIFIER ** Select motor type required and delete those not required.**

- a. Motor Type: To be determined by Architect / manufacturer based on window size, fabric selection and operation.
 - b. Motor Type: Low voltage wireless control. LT30 RTS 12V DC
 - c. Motor Type: Low voltage wireless control. Sonesse 30 RTS 24V DC
 - d. Motor Type: Low voltage wired control. Sonesse 30 RS485 24V DC
 - e. Motor Type: Low voltage wired control. Sonesse 30 DCT 24V DC
 - f. Motor Type: Line voltage wireless control. Sonesse 40 RTS 120V AC
 - g. Motor Type: Line voltage wired control. Sonesse 40 WT 120V AC
 - h. Motor Type: Line voltage wireless control. Altus 40 RTS 120V AC
 - i. Motor Type: Line voltage wired control. LS 40 120V AC
 - j. Motor Type: Line voltage wireless control. Sonesse 50 RTS 120V AC
 - k. Motor Type: Line voltage wired control. Sonesse 50 RS485 120V AC
 - l. Motor type: Line voltage wired control Sonesse 50 RA 120V AC
7. Power Supply:

**** NOTE TO SPECIFIER ** Power supply options are listed in same order as the above motor options. Select power supply required and option required and delete those not required.**

- a. Power Supply Type: To be determined by Architect / manufacturer.
- b. Power Supply Type:
 - 1) Low voltage reloadable battery tube 12 V DC
 - 2) Low Voltage Ni-MH rechargeable battery tube 12 V DC
 - 3) Low voltage solar panel recharge kit with Ni-MH rechargeable battery tube 12 V DC.
- c. Power Supply Type:
 - 1) Low voltage 24V DC transformer Plug-in Wall type
 - 2) Low voltage 24 V DC transformer Plug-in Floor type
 - 3) Low voltage 24 V DC transformer Plug-in Table/Shelf type
 - 4) 5 Motor Power/Control Distribution Kit; one 5 Motor Power/Control Distribution Panel one 24V DC 10 Amp Power supply one 12 inch by 12 inch by 6.25 inch Enclosure.
- d. Power Supply Type:
 - 1) 5 Motor Power/Control Distribution Kit; One 5 Motor Power/Control Distribution Panel one 24V DC 10 Amp Power supply one 12 inch by 12 inch by 6.25 inch Enclosure
 - 2) 10 Motor Power/Control Distribution Kit; One 10 Motor Power/Control Distribution Panel one 24 V DC 10 Amp Power supply one 8 inch by 18 inch by 6.25 inch Enclosure
 - 3) 15 Motor Power/Control Distribution Kit; One 15 Motor Power/Control Distribution Panel one 24 V DC 10 Amp Power supply one 18 inch by 18 inch by 6.25 inch Enclosure
 - 4) 20 Motor Power/Control Distribution Kit; One 20 Motor Power/Control Distribution Panel one 24 V DC 10 Amp Power

- supply one 18 inch by 18 inch by 6.25 inch Enclosure.
- e. Power Supply Type:
- 1) Low voltage 24V DC transformer Plug-in Wall type
 - 2) Low voltage 24 V DC transformer Plug-in Floor type
 - 3) Low voltage 24 V DC transformer Plug-in Table/Shelf type
 - 4) 5 Motor Power/Control Distribution Kit; One 5 Motor Power/Control Distribution Panel one 24 V DC 10 Amp Power supply one 12 inch by 12 inch by 6.25 inch Enclosure.
- f. Power Supply Type:
- 1) 110 V; three wire cable
 - 2) 110 V; three wire cable with NEMA plug.
- g. Power Supply Type:
- 1) 110 V; Maintained toggle switch
 - 2) 110 V; Momentary toggle switch
 - 3) 110 V; Maintained Paddle switch
 - 4) 110 V; Momentary Paddle switch
 - 5) 110 V; Maintained Double Pole Double Throw Paddle Switch.
- h. Power Supply Type:
- 1) Three wire cable
 - 2) Three wire cable with NEMA plug.
- i. Power Supply Type: 110 V;
- 1) 110 V; Maintained toggle switch
 - 2) 110 V; Momentary toggle switch
 - 3) 110 V; Maintained Paddle switch
 - 4) 110 V; Momentary Paddle switch
 - 5) 110 V; Maintained Double Pole Double Throw Paddle Switch.
- j. Power Supply Type:
- 1) 110 V; three wire cable
 - 2) 110 V; three wire cable with NEMA plug.
- k. Power Supply Type:
- 1) 110 V; three wire cable
 - 2) 110 V; three wire cable with NEMA plug.
- l. Power Supply Type: 110 V;
- 1) 110 V; Maintained toggle switch
 - 2) 110 V; Momentary toggle switch
 - 3) 110 V; Maintained Paddle switch
 - 4) 110 V; Momentary Paddle switch
 - 5) 110 V; Maintained Double Pole Double Throw Paddle Switch.
8. Control: To be determined by Architect / manufacturer based on specific motor. Coordinate with specific motors.

**** NOTE TO SPECIFIER ** Control options are listed in same order as the above motor and power supply options. Add Control option required for specific motor and delete those not required.**

-
- a. To be determined by Architect / manufacturer.
- b. Remote:
- 1) Single channel remote White/Silver/Black
 - 2) Five channel remote White/Silver/Black
 - 3) 16 channel remote White/Silver
 - 4) 1/2/3/4/5 Wireless wall switch Black/Ivory/Almond.
- c. Remote:

- 1) Single channel remote White/Silver/Black
 - 2) Five channel remote White/Silver/Black
 - 3) 16 channel remote White/Silver
 - 4) 1/2/3/4/5 Wireless wall switch Black/Ivory/Almond.
- d. RS485 wireless motor controller; can control 16 groups of up to 10 motors. Use this to connect to home or building light automation systems.
- e. Switch:
- 1) Maintained toggle switch
 - 2) Momentary toggle switch
 - 3) Maintained Paddle switch
 - 4) Momentary Paddle switch
 - 5) Maintained Double Pole Double Throw Paddle Switch.
- f. Remote:
- 1) Single channel remote White/Silver/Black
 - 2) Five channel remote White/Silver/Black
 - 3) 16 channel remote White/Silver
 - 4) 1/2/3/4/5 Wireless wall switch Black/Ivory/Almond.
- g. Switch:
- 1) Maintained toggle switch
 - 2) Momentary toggle switch
 - 3) Maintained Paddle switch
 - 4) Momentary Paddle switch
 - 5) Maintained Double Pole Double Throw Paddle Switch.
- h. Remote:
- 1) Single channel remote White/Silver/Black
 - 2) Five channel remote White/Silver/Black
 - 3) 16 channel remote White/Silver
 - 4) 1/2/3/4/5 Wireless wall switch Black/Ivory/Almond.
- i. Switch:
- 1) Maintained toggle switch
 - 2) Momentary toggle switch
 - 3) Maintained Paddle switch
 - 4) Momentary Paddle switch
 - 5) Maintained Double Pole Double Throw Paddle Switch.
- j. Remote:
- 1) Single channel remote White/Silver/Black
 - 2) Five channel remote White/Silver/Black
 - 3) 16 channel remote White/Silver
 - 4) 1/2/3/4/5 Wireless wall switch Black/Ivory/Almond.
- k. RS485 wireless motor controller; can control 16 groups of up to 10 motors. Use this to connect to home or building light automation systems.
- l. Switch:
- 1) Maintained toggle switch
 - 2) Momentary toggle switch
 - 3) Maintained Paddle switch
 - 4) Momentary Paddle switch
 - 5) Maintained Double Pole Double Throw Paddle Switch.

**** NOTE TO SPECIFIER ** Select fascia or headbox required and delete those not required.**

9. Fascia: L shaped aluminum alloy extrusion to conceal shade roller and hardware. Color as selected by Architect from fabricator's available selections.
- a. 3 inch square.

**** NOTE TO SPECIFIER ** Select color required and delete those not required.**

- 1) _____
White.
 - 2) _____
Bronze.
 - 3) _____
Alabaster.
 - 4) _____
Anodized.
 - 5) _____
Black.
- b. 3 inch curved.

**** NOTE TO SPECIFIER ** Select color required and delete those not required.**

- 1) _____
White.
 - 2) _____
Bronze.
 - 3) _____
Alabaster.
 - 4) _____
Anodized.
 - 5) _____
Black.
- c. 4 inch square.

**** NOTE TO SPECIFIER ** Select color required and delete those not required.**

- 1) _____
White.
 - 2) _____
Bronze.
 - 3) _____
Alabaster.
 - 4) _____
Anodized.
 - 5) _____
Black.
- d. 4 inch curved.

**** NOTE TO SPECIFIER ** Select color required and delete those not required.**

- 1) _____
White.
 - 2) _____
Bronze.
 - 3) _____
Alabaster.
 - 4) _____
Anodized.
 - 5) _____
Black.
- e. 5.5 inch square.

**** NOTE TO SPECIFIER ** Select color required and delete those not required.**

- 1) _____
White.
 - 2) _____
Bronze.
 - 3) _____
Alabaster.
 - 4) _____
Anodized.
 - 5) _____
Black.
- f. 7 inch square.

**** NOTE TO SPECIFIER ** Select color required and delete those not required.**

- 1) _____
White.
 - 2) _____
Bronze.
 - 3) _____
Alabaster.
 - 4) _____
Anodized.
 - 5) _____
Black.
-

**** NOTE TO SPECIFIER ** Select hembar required and delete those not required.**

- g. Internal Hembar. Aluminum extrusion enclosed in a fabric hem pocket with heat-welded seams and ends to match shade cloth selection
- h. External Hembar. Oval hem bar with end caps.

**** NOTE TO SPECIFIER ** Select color required and delete those not required.**

- 1) White.
- 2) Bronze.
- 3) Alabaster.
- 4) Anodized.
- 5) Black.
- i. Slim Hembar. Slim hem bar with end caps. To be used with side channel and sill.

**** NOTE TO SPECIFIER ** Select color required and delete those not required.**

- 1) White.
- 2) Bronze.
- 3) Alabaster.
- 4) Anodized.
- 5) Black.
- 10. Headbox: Aluminum alloy extrusion with removable closure panel to minimize slot for shade passage but allowing access to shade for maintenance. Can be used without closure. Powder coat finish.
- a. Mounting:

**** NOTE TO SPECIFIER ** Select mount required and delete those not required.**

- 1) Inside pocket in ceiling.
- 2) Mounted to ceiling grid.
- 3) Mounted to surface of ceiling.
- b. Finish:
 - 1) White Powder Coat.
- c. Internal Hembar. Aluminum alloy extrusion.

**** NOTE TO SPECIFIER ** Select hembar required and delete those not required.**

- 1) External Hembar. Oval hem bar with end caps.

**** NOTE TO SPECIFIER ** Select color required and delete those not required.**

- a) White.
- b) Bronze.
- c) Alabaster.
- d) Anodized.
- e) Black.
- 2) Slim Hembar. Slim hem bar with end caps. Needs to be used with side channel and sill.

**** NOTE TO SPECIFIER ** Select color required and delete those not required.**

- a)

- b) White.
 - b) Bronze.
 - c) Alabaster.
 - d) Anodized.
 - e) Black
- 3) Enclosed Hembar: Aluminum alloy extrusion enclosed in a fabric hem pocket with heat-welded seams and ends to match shade cloth selection.

**** NOTE TO SPECIFIER ** Shade fabrics are available in several colors and openness grades. Contact the manufacturer for additional information.**

11.

Shade fabric color and openness as selected by Architect from fabricator's available selections.

**** NOTE TO SPECIFIER ** Select the Perfect Fit Blinds required from the following paragraphs as required and delete those not required. Note that the maximum size width and drop noted apply to residential blinds with a lifetime warranty. Custom widths and drops are available upon request. Roller blinds may be used with motors and controls specified in Section 12 25 13 - Motorized Drapery Rods. Contact the manufacturer for additional information.**