

SECTION 12 20 00

WINDOW TREATMENTS

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**\*\* NOTE TO SPECIFIER \*\* A&I Manufacturing; Window Treatment products.**

This section is based on the products of A&I Manufacturing, which is located at:  
17476 147th St. S.E. Suite E

Monroe, WA 98272

Toll Free Tel: 800-335-7105

Tel: 360-805-8200

Fax: 360-805-9255

Email: [request info \(info@a-imanufacturing.net\)](mailto:request info (info@a-imanufacturing.net))

Web: [www.a-imanufacturing.net](http://www.a-imanufacturing.net)

[ [Click Here](#) ] for additional information.

A&I Manufacturing is one of the only independent fabricators left in the USA, we have been serving the Pacific Northwest since 1995. We carry a full line of window coverings from Mini-blinds, Horizontals, Cellular Shades and Roller Shades to the finest shutters made in the world.

In addition to our custom made window coverings, A&I provides a full range of services including measuring, cleaning/repair and installation by our own employees - not subcontractors - offering a risk-free experience.

We take pride in our competitive prices, fast service, and excellent product quality.

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PART 1

GENERAL

1.1 SECTION INCLUDES

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**\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.**

- A. Mini Blinds.
- B. Horizontal Blinds, 2 inch.
- C. Vertical Blinds.
- D. Cellular Shades.
- E. Roller Shades.
- F. Perfect Fit Shades
- G. Fabric.

1.2 RELATED SECTIONS

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**\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.**

- A. Section 06 10 00 - Rough Carpentry.

- B. Section 06 20 00 - Finish Carpentry.
- C. Section 08 54 13 - Fiberglass Windows.
- D. Section 09 21 16.33 - Gypsum Board Area Separation Wall Assemblies.
- E. Section 09 51 23 - Acoustical Tile Ceilings.
- F. Section 12 25 13 - Motorized Drapery Rods.
- G. Division 16 - Electrical: Electrical supply, conduit, and wiring for motorized window shades.

### 1.3 REFERENCES

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**\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.**

- A. NFPA 70 - National Electrical Code.
- B. NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films.
- C. GreenGuard Low Emitting Interior Products.
- D. ANSI/WCMA A100.1-2012 - American National Standard for Safety of Corded Window Covering Products.

### 1.4 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements Submittal Procedures.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Mounting details and Installation methods.

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**\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph for manually operated roller shade.**

- 4. Typical wiring diagrams including integration of motor controllers with building management system, audiovisual and lighting control systems as applicable.
- C. Shop Drawings: Submit plans, elevations, sections, product details, installation details, operational clearances and relationship to adjacent work

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**\*\* NOTE TO SPECIFIER \*\* Delete the following paragraphs if LEED is not applicable. Several opportunities exist for LEED credits when using systems specified. Contact A&I Manufacturing for additional information.**

- D. LEED Submittals: Provide documentation of how the requirements of Credit will be met:
  - 1. Data on Recycling Content Credits available for the products specified.
  - 2. Data on Daylight Credits available for the products specified.
  - 3. Data on Energy Optimization Performance Credits for the products specified.
  - 4. Data on Indoor Environmental Quality Credits for the products specified.
  - 5. Data on Regional Manufacturing Credits, which may be available for the project location.

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**\*\* NOTE TO SPECIFIER \*\* Delete selection samples if colors have already been selected.**

- E. Selection Samples: For each finish product specified, two complete sets of color

- chips representing manufacturer's full range of available colors and patterns.
  - F. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.
  - G. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
  - H. Closeout Submittals: Provide manufacturer's maintenance instructions that include recommendations for periodic checking and adjustment of cable tension and periodic cleaning and maintenance of all railing and infill components.
- 1.5 QUALITY ASSURANCE
- A. Manufacturer Qualifications: A fabricator capable of demonstrating at least 10 years' documented experience successfully fabricating window treatments on projects of similar type and scope as specified in this section.
  - B. Installer Qualifications: Capable of demonstrating at least 5 years' experience successfully installing window treatments on projects of similar type and scope as specified in this section.

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**\*\* NOTE TO SPECIFIER \*\* Include a mock-up if the project size and/or quality warrant taking such a precaution. The following is one example of how a mock-up on a large project might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.**

- C. 

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Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
    - 1. Locate where designated by Architect.
    - 2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
    - 3. Refinish mock-up area as required to produce acceptable work.
- 1.6 DELIVERY, STORAGE, AND HANDLING
- A. Do not deliver products until building is enclosed and construction within spaces where product will be installed is substantially complete.
  - B. Deliver and store products in manufacturer's unopened packaging until ready for installation.
  - C. In accordance with manufacturer's instructions, store materials in manufacturer's unopened packaging in a clean area, free of corrosive fumes and dust, and away from construction activities until ready for installation.
  - D. Stack materials horizontally using plastic or wood shims to allow for proper and adequate drainage and ventilation
- 1.7 SEQUENCING
- A. Ensure that locating templates and other information required for installation of products of this section are furnished to affected trades in time to prevent interruption of construction progress.
  - B. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.
- 1.8 PROJECT CONDITIONS
- A. Verify dimensions of adjoining construction by field measurements before manufacturing. Allow clearance for operable glazed unit's operation hardware.
  - B. Install only after paint and finish work is completed, air conditioning is operational and air temperature are maintained between 60 and 85 degrees F and between 45 and 85 percent RH.
- 1.9 WARRANTY
- A. Manufacturer's Limited Lifetime Warranty for residential use.
- PART 2 PRODUCTS
- 2.1 MANUFACTURERS
- A. Acceptable Manufacturer: A&I Manufacturing, which is located at: 17476 147th St. S.E. Suite E; Monroe, WA 98272; Toll Free Tel: 800-335-7105; Tel: 360-805-

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**\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.**

- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

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**\*\* NOTE TO SPECIFIER \*\* Select the mini 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. Contact the manufacturer for additional information.**

2.2

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MINI BLINDS

- A. Mini Blind Construction General:
  - 1. Headrail: .024 inch steel. Treated to resist corrosion. Baked-on paint, color coordinated to slats.
  - 2. Bottom Rail: .024 inch steel. Treated to resist corrosion. Baked-on paint, color coordinated to slats.
  - 3. Tilter: Worm gear construction, enclosed in housing of engineering polymer; gear and shaft of engineering polymer with slip clutch mechanism. May be positioned at right or left with or without cord lock.
  - 4. Tilt Rod: Solid steel with corrosion resistant finish.
  - 5. Tilt Wands: Extruded, clear solid acrylic wand.
  - 6. Cord lock: Snap-In-Design and incorporates stainless steel wear guard over which cords pass and a floating type locking pin. Locking pin shall be free of abrasive teeth and offer minimum wear to the cord
  - 7. Lift Cords: Two-ply polyester cord filler and braided polyester jacket.
  - 8. Braided Ladders: 100 percent polyester yarn, color coordinated with the slats.
  - 9. Installation Brackets: .042 inch steel box brackets. Blinds over 48 inches shall have intermediate supports.
  - 10. Tassel: Break away safety tassel complies with all safety requirements.
- B. Mini Economy Mini-Blinds 1 inch (25 mm) Horizontal Blind System:
  - 1. Slats:

---

**\*\* NOTE TO SPECIFIER \*\* Select slat thickness required. Delete the one not required.**

- a. Aluminum Heat Treated and Tempered, 1 inch wide by .006 inch thick.
- b. Aluminum Heat Treated and Tempered, 1 inch wide by .008 inch thick.
- 2. Maximum Width: 132 inches (3353 mm).

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**\*\* NOTE TO SPECIFIER \*\* Longer lengths available, out of warranty contact manufacturer for additional information.**

- 3. Maximum Drop: 126 inches (3200 mm).
- 4. Slat Spacing: 22.5 mm spacing with approximately 13 slats per foot of drop.
- 5. Mounting:

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**\*\* NOTE TO SPECIFIER \*\* Select one of the following two mounting options as required. Delete the one not required. Outside mounted window coverings will be made to exact ordered measurements. Inside mounted horizontal blinds will have 1/2 inch deducted at the factory from width.**

- a. \_\_\_\_\_  
Inside mount.
  - b. \_\_\_\_\_  
Outside mount.
6. Control Manual:

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**\*\* NOTE TO SPECIFIER \*\* Select Control Device Type. Delete those not required.**

- a. \_\_\_\_\_  
Tilt Only-Center of Headrail
  - b. \_\_\_\_\_  
Split control LR.
  - c. \_\_\_\_\_  
Split control RL.
  - d. \_\_\_\_\_  
Same side control RR.
  - e. \_\_\_\_\_  
Same side control LL.
7. Head Rail: Standard duty 1 inch by 1 inch.
8. Bottom Rail: C-Shape.

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**\*\* NOTE TO SPECIFIER \*\* Select optional valance if required. Delete if not required.**

9. \_\_\_\_\_  
Valance: Double Slat with clips to mount.

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**\*\* NOTE TO SPECIFIER \*\* Available in 7 colors.**

10. \_\_\_\_\_  
Slat color as selected by Architect from fabricator's available selections.
- C. Mini Deluxe Mini-Blinds 1 inch (25 mm) Horizontal Blind System:
1. Slats:

---

**\*\* NOTE TO SPECIFIER \*\* Select slat thickness required. Delete the one not required.**

- a. \_\_\_\_\_  
Aluminum Heat Treated and Tempered, 1 inch wide by .006 inch thick.
  - b. \_\_\_\_\_  
Aluminum Heat Treated and Tempered, 1 inch wide by .008 inch thick.
2. Maximum Width: 132 inches (3353 mm).

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**\*\* NOTE TO SPECIFIER \*\* Longer lengths available, out of warranty contact manufacturer for additional information.**

3. \_\_\_\_\_  
Maximum Drop: 126 inches (3200 mm).
4. Slat Spacing: 21.5 mm spacing with approximately 14 slats per foot of drop.
5. Mounting:

---

**\*\* NOTE TO SPECIFIER \*\* Select one of the following two mounting options as required. Delete the one not required. Outside mounted window coverings will be made to exact ordered measurements. Inside mounted horizontal blinds will have 1/2 inch deducted at the factory from width.**

- a. \_\_\_\_\_  
Inside mount.
  - b. \_\_\_\_\_  
Outside mount.
6. Control Manual:

---

**\*\* NOTE TO SPECIFIER \*\* Select Control Device Type. Delete those not required.**

- a. 

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Tilt Only-Center of Headrail
- b. Split control LR.
- c. Split control RL.
- d. Same side control RR.
- e. Same side control LL.
- 7. Head Rail: Standard duty 1 inch by 1 inch.
- 8. Bottom Rail: C-Shape.

---

**\*\* NOTE TO SPECIFIER \*\* Select optional valance if required. Delete if not required.**

- 9. 

---

Valance: Double Slat with clips to mount.

---

**\*\* NOTE TO SPECIFIER \*\* Available in 7 colors.**

- 10. 

---

Slat color as selected by Architect from fabricator's available selections.
- D. Mini Privacy Mini-Blinds 1 inch (25 mm) Horizontal Blind System:
  - 1. Slats:

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**\*\* NOTE TO SPECIFIER \*\* Select slat thickness required. Delete the one not required.**

- a. 

---

Aluminum Heat Treated and Tempered, 1 inch wide by .006 inch thick.
- b. Aluminum Heat Treated and Tempered, 1 inch wide by .008 inch thick.
- 2. Maximum Width: 132 inches (3353 mm).

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**\*\* NOTE TO SPECIFIER \*\* Longer lengths available, out of warranty contact manufacturer for additional information.**

- 3. 

---

Maximum Drop: 126 inches (3200 mm).
- 4. Slat Spacing: 18.5 mm spacing with approximately 17 slats per foot of drop.
- 5. Mounting:

---

**\*\* NOTE TO SPECIFIER \*\* Select one of the following two mounting options as required. Delete the one not required. Outside mounted window coverings will be made to exact ordered measurements. Inside mounted horizontal blinds will have 1/2 inch deducted at the factory from width.**

- a. 

---

Inside mount.
- b. Outside mount.
- 6. Control Manual:

---

**\*\* NOTE TO SPECIFIER \*\* Select Control Device Type. Delete those not required.**

- a. 

---

Tilt Only-Center of Headrail
- b. Split control LR.
- c. Split control RL.
- d. Same side control RR.
- e. Same side control LL.
- 7. Head Rail: Standard duty 1 inch by 1 inch.

8. Bottom Rail: C-Shape.

---

**\*\* NOTE TO SPECIFIER \*\* Select optional valance if required. Delete if not required.**

9. Valance: Double Slat with clips to mount.

---

**\*\* NOTE TO SPECIFIER \*\* Available in 7 colors.**

10. Slat color as selected by Architect from fabricator's available selections.  
E. Custom Economy Series Mini-Blinds 1 inch (25 mm) Horizontal Blind System:  
1. Slats:

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**\*\* NOTE TO SPECIFIER \*\* Select slat thickness required. Delete the one not required.**

- a. Aluminum Heat Treated and Tempered, 1 inch (25 mm) wide  
by .006 inch thick.  
b. Premium Aluminum Heat Treated and Tempered, 1 inch (25  
mm) wide by .008 inch thick.  
2. Maximum Width: 132 inches (3353 mm).

---

**\*\* NOTE TO SPECIFIER \*\* Longer lengths available, out of warranty contact manufacturer for additional information.**

3. Maximum Drop: 126 inches (3200 mm).  
4. Slat Spacing: 22.5 mm spacing with approximately 13 slats per foot of  
drop.  
5. Mounting:

---

**\*\* NOTE TO SPECIFIER \*\* Select one of the following two mounting options as required. Delete the one not required. Outside mounted window coverings will be made to exact ordered measurements. Inside mounted horizontal blinds will have 1/2 inch deducted at the factory from width.**

- a. Inside mount.  
b. Outside mount.  
6. Control Manual:

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**\*\* NOTE TO SPECIFIER \*\* Select Control Device Type. Delete those not required.**

- a. Tilt Only-Center of Headrail  
b. Split control LR.  
c. Split control RL.  
d. Same side control RR.  
e. Same side control LL.  
7. Head Rail: Standard duty 1.5 inch by 1 inch.  
8. Bottom Rail: Standard duty sculpted.

---

**\*\* NOTE TO SPECIFIER \*\* Select optional valance if required. Delete if not required.**

9. Valance: Double Slat with clips to mount.

---

**\*\* NOTE TO SPECIFIER \*\* Available in 42 colors with .006 inch slats and 19 colors for .008 inch slats.**

10. \_\_\_\_\_  
Slat color as selected by Architect from fabricator's available selections.
- F. Custom Deluxe Mini-Blinds 1 inch (25 mm) Horizontal Blind System:
1. Slats:

**\*\* NOTE TO SPECIFIER \*\* Select slat thickness required. Delete the one not required.**

- a. \_\_\_\_\_  
Aluminum Heat Treated and Tempered, 1 inch (25 mm) wide  
by .006 inch thick.
- b. \_\_\_\_\_  
Premium Aluminum Heat Treated and Tempered, 1 inch (25  
mm) wide by .008 inch thick.
2. Maximum Width: 132 inches (3353 mm).

**\*\* NOTE TO SPECIFIER \*\* Longer lengths available, out of warranty contact manufacturer  
for additional information.**

3. \_\_\_\_\_  
Maximum Drop: 126 inches (3200 mm).
4. Slat Spacing: 21.5 mm spacing with approximately 14 slats per foot of  
drop.
5. Mounting:

**\*\* NOTE TO SPECIFIER \*\* Select one of the following two mounting options as required.  
Delete the one not required. Outside mounted window coverings will be made to exact  
ordered measurements. Inside mounted horizontal blinds will have 1/2 inch deducted at  
the factory from width.**

- a. \_\_\_\_\_  
Inside mount.
- b. \_\_\_\_\_  
Outside mount.
6. Control Manual:

**\*\* NOTE TO SPECIFIER \*\* Select Control Device Type. Delete those not required.**

- a. \_\_\_\_\_  
Tilt Only-Center of Headrail
- b. \_\_\_\_\_  
Split control LR.
- c. \_\_\_\_\_  
Split control RL.
- d. \_\_\_\_\_  
Same side control RR.
- e. \_\_\_\_\_  
Same side control LL.
7. Head Rail: Standard duty 1.5 inch by 1 inch.
8. Bottom Rail: Standard duty sculpted.

**\*\* NOTE TO SPECIFIER \*\* Select optional valance if required. Delete if not required.**

9. \_\_\_\_\_  
Valance: Double Slat with clips to mount.

**\*\* NOTE TO SPECIFIER \*\* Available in 42 colors with .006 inch slats and 19 colors for .008  
inch slats.**

10. \_\_\_\_\_  
Slat color as selected by Architect from fabricator's available selections.
- G. Custom Privacy Mini-Blinds 1 inch (25 mm) Horizontal Blind System:
1. Slats:

**\*\* NOTE TO SPECIFIER \*\* Select slat thickness required. Delete the one not required.**

- a. \_\_\_\_\_



- Aluminum Heat Treated and Tempered, 1 inch (25 mm) wide by .006 inch thick.
  - b. Aluminum Heat Treated and Tempered, 1 inch (25 mm) wide by .008 inch thick.
- 2. Maximum Width: 132 inches (3353 mm).

---

**\*\* NOTE TO SPECIFIER \*\* Longer lengths available, out of warranty contact manufacturer for additional information.**

- 3. 

---

Maximum Drop: 126 inches (3200 mm).
- 4. Slat Spacing: 18.5 mm spacing with approximately 17 slats per foot of drop.
- 5. Mounting:

---

**\*\* NOTE TO SPECIFIER \*\* Select one of the following two mounting options as required. Delete the one not required. Outside mounted window coverings will be made to exact ordered measurements. Inside mounted horizontal blinds will have 1/2 inch deducted at the factory from width.**

- a. 

---

Inside mount.
- b. Outside mount.
- 6. Control Manual:

---

**\*\* NOTE TO SPECIFIER \*\* Select Control Device Type. Delete those not required.**

- a. 

---

Tilt Only-Center of Headrail
- b. Split control RR.
- c. Split control LL.
- d. Same side control LR.
- e. Same side control RL.
- 7. Head Rail: Standard duty 1.5 inches by 1 inch.
- 8. Bottom Rail: Sculpted.

---

**\*\* NOTE TO SPECIFIER \*\* Select optional valance if required. Delete if not required.**

- 9. 

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Valance: Double Slat with clips to mount.

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**\*\* NOTE TO SPECIFIER \*\* Available in 42 colors with .006 inch slats and 19 colors for .008 inch slats.**

- 10. 

---

Slat color as selected by Architect from fabricator's available selections.

## 2.3 HORIZONTAL BLINDS, 2 INCH

### A. Horizontal Blinds Construction General:

- 1. Headrail: .024 inch steel. Treated to resist corrosion. Baked-on paint, color coordinated to slats.
- 2. Bottom Rail: Steel, thickness varies with product type. Treated to resist corrosion. Baked-on paint, color coordinated to slats.
- 3. Tilter: Worm gear construction, enclosed in housing of engineering polymer; gear and shaft of engineering polymer with slip clutch mechanism. May be positioned at right or left with or without cord lock.
- 4. Tilt Rod: Solid steel with corrosion resistant finish.
- 5. Tilt Wands: Extruded, clear solid acrylic wand.
- 6. Cord lock: Snap-In-Design and incorporates stainless steel wear guard over which cords pass and a floating type locking pin. Locking pin shall be

- free of abrasive teeth and offer minimum wear to the cord
7. Lift Cords: Two-ply polyester cord filler and braided polyester jacket.
  8. Braided Ladders: 100 percent polyester yarn, color coordinated with the slats.
  9. Installation Brackets: .042 inch steel box brackets. Blinds over 48 inches shall have intermediate supports.
  10. Tassel: Break away safety tassel complies with all safety requirements
  11. Can be motorized for tilt model only.
- B. Aluminum Standard Horizontal Blinds 2 inch (51 mm):
1. Slats:
    - a. Aluminum Heat Treated and Tempered, 2 inches wide by .008 inch thick.
  2. Maximum Width: 122 inches (3048 mm).
  3. Maximum Drop: 120 inches (3099 mm).
  4. Slat Spacing: 44 mm spacing with 7 slats per foot of drop.
  5. Control Electric: Coordinate with Motors and Controls specified in Section 12 25 13 - Motorized Drapery Rods.

---

**\*\* NOTE TO SPECIFIER \*\* Select Control required. Delete those not required.**

- a. 

---

Tilt Only-Center of Headrail
  - b. Split control LR.
  - c. Split control RL.
  - d. Same side control LR.
  - e. Same side control RL.
6. Control Manual:

---

**\*\* NOTE TO SPECIFIER \*\* Select Control required. Delete those not required.**

- a. 

---

Tilt Only-Center of Headrail
  - b. Split control LR.
  - c. Split control RL.
  - d. Same side control RR.
  - e. Same side control LL.
7. Mounting:

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**\*\* NOTE TO SPECIFIER \*\* Select one of the following two mounting options as required. Delete the one not required. Outside mounted window coverings will be made to exact ordered measurements. Inside mounted horizontal blinds will have 1/2 inch deducted at the factory from width.**

- a. 

---

Inside mount.
  - b. Outside mount.
8. Head Rail: 2 inch by 2 inch.
  9. Bottom Rail: Enclosed steel, color coordinated.

---

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

10. 

---

Valance: Single Slat with clips to mount.
11. Valance: Double Slat with clips to mount.

---

**\*\* NOTE TO SPECIFIER \*\* Available in 19 colors.**

12. 

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- Slat color as selected by Architect from fabricator's available selections.
13. Decorative Tape: 1-1/2 inch wide woven, 100 percent cotton cloth tape ladder, color coordinated with the slats.
- C. Designer Vinyl Horizontal Blinds 2 inch (51 mm):
1. Slats:
- a. Polymer PVC, 2 inches wide.
2. Maximum Width: 120 inches (3099 mm).
3. Maximum Drop: 114 inches (2895 mm).
4. Slat Spacing: 44 mm spacing with 7 slats per foot of drop.
5. Control Electric: Coordinate with Motors and Controls specified in Section 12 25 13 - Motorized Drapery Rods.

---

**\*\* NOTE TO SPECIFIER \*\* Select Control required. Delete those not required.**

- a. Tilt Only-Center of Headrail
- b. Split control LR.
- c. Split control RL.
- d. Same side control LR.
- e. Same side control RL.
6. Control Manual:

---

**\*\* NOTE TO SPECIFIER \*\* Select Control required. Delete those not required.**

- a. Tilt Only-Center of Headrail
- b. Split control LR.
- c. Split control RL.
- d. Same side control RR.
- e. Same side control LL.
7. Mounting:

---

**\*\* NOTE TO SPECIFIER \*\* Select one of the following two mounting options as required. Delete the one not required. Outside mounted window coverings will be made to exact ordered measurements. Inside mounted horizontal blinds will have 1/2 inch deducted at the factory from width.**

- a. Inside mount.
- b. Outside mount.
8. Head Rail: 2 inch by 2 inch.
9. Bottom Rail: Enclosed steel, color coordinated.

---

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

10. Valance: Single Slat with clips to mount.
11. Valance: Double Slat with clips to mount.

---

**\*\* NOTE TO SPECIFIER \*\* Available in 16 colors.**

12. Slat color as selected by Architect from fabricator's available selections.
13. Decorative Tape: 1-1/2 inch wide woven, 100 percent cotton cloth tape ladder, color coordinated with the slats.
- D. Olympic Ridge (Faux) Horizontal Blinds 2 inch (51 mm):
1. Slats:
- a. Faux (Foam), 2 inches wide by 1/8 inch thick.

2. Maximum Width: 108 inches (2743 mm).
3. Maximum Drop: 108 inches (2743 mm).
4. Slat Spacing: 44 mm spacing with 7 slats per foot of drop.
5. Control Electric: Coordinate with Motors and Controls specified in Section 12 25 13 - Motorized Drapery Rods.

---

**\*\* NOTE TO SPECIFIER \*\* Select Control required. Delete those not required.**

- a. 

---

Tilt Only-Center of Headrail
- b. Split control LR.
- c. Split control RL.
- d. Same side control LR.
- e. Same side control RL.
6. Control Manual:

---

**\*\* NOTE TO SPECIFIER \*\* Select Control required. Delete those not required.**

- a. 

---

Tilt Only-Center of Headrail
- b. Split control LR.
- c. Split control RL.
- d. Same side control RR.
- e. Same side control LL.
7. Mounting:

---

**\*\* NOTE TO SPECIFIER \*\* Select one of the following two mounting options as required. Delete the one not required. Outside mounted window coverings will be made to exact ordered measurements. Inside mounted horizontal blinds will have 1/2 inch deducted at the factory from width.**

- a. 

---

Inside mount.
- b. Outside mount.
8. Head Rail: 2 inch by 2 inch.
9. Bottom Rail: Trapezoid faux wood, color coordinated.
10. Valance: Royal.

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**\*\* NOTE TO SPECIFIER \*\* Available in 20 colors.**

11. 

---

Slat color as selected by Architect from fabricator's available selections.
12. Decorative Tape: 1-1/2 inch wide woven, 100 percent cotton cloth tape ladder, color coordinated with the slats.
- E. Olympic Ridge (Faux) Horizontal Blinds 2-1/2 inch (63 mm):
  1. Slats:
    - a. Faux (Foam), 2-1/2 inches wide by 1/8 inch thick.
    2. Maximum Width: 108 inches (2743 mm).
    3. Maximum Drop: 108 inches (2743 mm).
    4. Slat Spacing: 44 mm spacing with 7 slats per foot of drop.
    5. Control Electric: Coordinate with Motors and Controls specified in Section 12 25 13 - Motorized Drapery Rods.

---

**\*\* NOTE TO SPECIFIER \*\* Select Control required. Delete those not required.**

- a. 

---

Tilt Only-Center of Headrail
- b. Split control LR.
- c. Split control RL.

- d. Same side control LR.
- e. Same side control RL.
- 6. Control Manual:

---

**\*\* NOTE TO SPECIFIER \*\* Select Control required. Delete those not required.**

- a. Tilt Only-Center of Headrail
- b. Split control LR.
- c. Split control RL.
- d. Same side control LR.
- e. Same side control RL.
- 7. Mounting:

---

**\*\* NOTE TO SPECIFIER \*\* Select one of the following two mounting options as required. Delete the one not required. Outside mounted window coverings will be made to exact ordered measurements. Inside mounted horizontal blinds will have 1/2 inch deducted at the factory from width.**

- a. Inside mount.
- b. Outside mount.
- 8. Head Rail: 2 inch by 2 inch.
- 9. Bottom Rail: Trapezoid faux wood, color coordinated.
- 10. Valance: Royal.

---

**\*\* NOTE TO SPECIFIER \*\* Available in 5 colors.**

- 11. Slat color as selected by Architect from fabricator's available selections.
- F. Summit Woods (Basswood) Horizontal Blinds 2 inch (51 mm):
  - 1. Slats:
    - a. Basswood, 2 inches wide by 1/8 inch thick.
  - 2. Maximum Width: 96 inches (2438 mm).
  - 3. Maximum Drop: 120 inches (3048 mm).
  - 4. Slat Spacing: 44 mm spacing with 7 slats per foot of drop.
  - 5. Control Electric: Coordinate with Motors and Controls specified in Section 12 25 13 - Motorized Drapery Rods.

---

**\*\* NOTE TO SPECIFIER \*\* Select Control required. Delete those not required.**

- a. Tilt Only-Center of Headrail
- b. Split control LR.
- c. Split control RL.
- d. Same side control LR.
- e. Same side control RL.
- 6. Control Manual:

---

**\*\* NOTE TO SPECIFIER \*\* Select Control required. Delete those not required.**

- a. Tilt Only-Center of Headrail
  - b. Split control LR.
  - c. Split control RL.
  - d. Same side control LR.
  - e. Same side control RL.
  - 7. Mounting:
-

**\*\* NOTE TO SPECIFIER \*\* Select one of the following two mounting options as required. Delete the one not required. Outside mounted window coverings will be made to exact ordered measurements. Inside mounted horizontal blinds will have 1/2 inch deducted at the factory from width.**

- a. Inside mount.
- b. Outside mount.
- 8. Head Rail: 2 inch by 2 inch.
- 9. Bottom Rail: Trapezoid basswood, color coordinated.
- 10. Valance: Royal.

**\*\* NOTE TO SPECIFIER \*\* Available in 16 colors.**

- 11. Slat color as selected by Architect from fabricator's available selections.
- 12. Decorative Tape: 1-1/2 inch wide woven, 100 percent cotton cloth tape ladder, color coordinated with the slats.

**\*\* NOTE TO SPECIFIER \*\* Select the vertical 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. Vertical blinds may be used with motors and controls specified in Section 12 25 13 - Motorized Drapery Rods. Contact the manufacturer for additional information.**

## 2.4

### VERTICAL BLINDS, 3-1/2 INCH

#### A. Vertical Blinds Construction General:

- 1. Headrail Channel: Anodized aluminum 1-3/4 inches (44.45 mm) wide by 1-1/4 inches (31.75 mm) high by .040 inch (1.02 mm) minimum wall thickness extending the width of the blind. Available in baked enamel ivory or white.
- 2. Traversing: Traverse left to right or right to left by means of a wand control.
- 3. Wheels: Each carrier shall traverse on self-lubricating wheels to reduce draw force.
- 4. Tilt Rod: Extruded aluminum, 4 prong with diameter of 0.235 inch (6 mm).
- 5. Rotation: Wand control provides 180 degree rotation to each vane stem simultaneously through a gear system in the control housing by turning tilt rod actuating a plastic worm and spur gear assembly in each vane carrier. System keeps louvers fixed until reset by controls.
- 6. End Control: Each headrail channel equipped with end control housings made of high quality plastic. End controls are covered to enclose sprockets and rotation rod ends.
- 7. Carriers: Each carrier fabricated of high quality plastic. Carriers provided with an independent self-aligning clutch mechanism in each louver carrier, allowing less friction for self-alignment. Shaft walls are made of reinforced plastic. Vane stem is fabricated of clear plastic and shall be centered, allowing the track to be reversible. Louvers rotate 180 degrees by a 4 prong pinion rod.
- 8. Spacing: Heavy duty self-lubricating plastic link system. Normal spacing is a minimum of 3/8 inch less than louver width.

#### B. PVC Standard Vertical Blinds 3-1/2 inch (89 mm):

- 1. Slats:
  - a. PCV, 3-1/2 inches wide by .002 inch thick.
- 2. Minimum Width, One Way: 12 inches (305 mm).
- 3. Maximum Width, One Way: 120 inches (3048 mm).

4. Minimum Drop: 10 inches (254 mm).
5. Maximum Drop: 144 inches (3657 mm).
6. Maximum Area: 120 SF (3048 sm).
7. Mounting:

---

**\*\* NOTE TO SPECIFIER \*\* Select one of the following two mounting options as required. Delete the one not required. Outside mounted window coverings will be made to exact ordered measurements. Inside mounted horizontal blinds will have 1/2 inch deducted at the factory from width.**

- a. 

---

Inside mount bracket.
- b. 

---

Outside mount bracket.

---

**\*\* NOTE TO SPECIFIER \*\* Available in 63 colors.**

8. 

---

Slat color as selected by Architect from fabricator's available selections.

---

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

2.5

---

CELLULAR SHADES

- A. Single Cell Light Filtering Shade System:
  1. Material: High Quality Spun lace non-woven 100 percent polyester fabric.

---

**\*\* NOTE TO SPECIFIER \*\* Select the thickness required. Delete the one not required.**

- a. 

---

Single Cell 3/8 inch.
- b. 

---

Single Cell 3/4 inch.

---

**\*\* NOTE TO SPECIFIER \*\* Select the following option if required. Delete if not required.**

- c. 

---

Treated to meet NFPA 701 fire retardant standards.

---

**\*\* NOTE TO SPECIFIER \*\* Available in 30 colors.**

- d. 

---

Color as selected by Architect from fabricator's available selections.
2. Maximum Width: 84 inches (2134 mm).
3. Maximum Drop: 82 inches (2083 mm).

---

**\*\* NOTE TO SPECIFIER \*\* Select Control Device Type. Delete those not required. Coordinate maximum width with control type specified.**

4. 

---

Control Manual:

---

**\*\* NOTE TO SPECIFIER \*\* Select Control required. Delete those not required.**

- a. 

---

Lift Ease.

- b. Cordless.
  - c. Standard control.
  - d. Standard TD/BU.
  - e. Cordless TD/BU.
5. Control Electric: Coordinate with Motors and Controls specified in Section 12 25 13 - Motorized Drapery Rods.

---

**\*\* NOTE TO SPECIFIER \*\* Select Control required. Delete those not required.**

- a. 

---

Lift Ease.
  - b. Cordless.
  - c. Standard control.
  - d. Standard TD/BU.
  - e. Cordless TD/BU.
6. Mounting:

---

**\*\* NOTE TO SPECIFIER \*\* Select one of the following two mounting options as required. Delete the one not required. Outside mounted window coverings will be made to exact ordered measurements. Inside mounted horizontal blinds will have 3/8 inch deducted at the factory from width.**

- a. 

---

Inside mount.
  - b. Outside mount.
7. Head Rail:

---

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

- a. 

---

Standard head rail.
  - b. Two on one head rail.
- B. Double Cell Light Filtering Shade System:
- 1. Material: High Quality Spun lace non-woven 100 percent polyester fabric.
  - a. Double Cell 7/16 inch.

---

**\*\* NOTE TO SPECIFIER \*\* Select the following option if required. Delete if not required.**

- b. 

---

Treated to meet NFPA 701 fire retardant standards.

---

**\*\* NOTE TO SPECIFIER \*\* Available in 30 colors.**

- c. 

---

Color as selected by Architect from fabricator's available selections.
- 2. Maximum Width: 84 inches (2134 mm).
  - 3. Maximum Drop: 82 inches (2083 mm).

---

**\*\* NOTE TO SPECIFIER \*\* Select Control Device Type. Delete those not required. Coordinate maximum width with control type specified.**

- 4. 

---

Control Manual:

---

**\*\* NOTE TO SPECIFIER \*\* Select Control required. Delete those not required.**

- a. 

---

Lift Ease.
- b. Cordless.



- c. Standard control.
- d. Standard TD/BU.
- e. Cordless TD/BU.
- 5. Control Electric: Coordinate with Motors and Controls specified in Section 12 25 13 - Motorized Drapery Rods.

---

**\*\* NOTE TO SPECIFIER \*\* Select Control required. Delete those not required.**

- a. Lift Ease.
- b. Cordless.
- c. Standard control.
- d. Standard TD/BU.
- e. Cordless TD/BU.
- 6. Mounting:

---

**\*\* NOTE TO SPECIFIER \*\* Select one of the following two mounting options as required. Delete the one not required. Outside mounted window coverings will be made to exact ordered measurements. Inside mounted horizontal blinds will have 3/8 inch deducted at the factory from width.**

- a. Inside mount.
- b. Outside mount.
- 7. Head Rail:

---

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

- a. Standard head rail.
- b. Two on one head rail.
- C. Single Cell Darkening Shade System:
- 1. Material: High Quality Spun lace non-woven 100 percent polyester fabric.

---

**\*\* NOTE TO SPECIFIER \*\* Select the thickness required. Delete the one not required.**

- a. Single Cell 3/8 inch.
- b. Single Cell 3/4 inch.

---

**\*\* NOTE TO SPECIFIER \*\* Select the following option if required. Delete if not required.**

- c. Treated to meet NFPA 701 fire retardant standards.

---

**\*\* NOTE TO SPECIFIER \*\* Available in 16 colors.**

- d. Color as selected by Architect from fabricator's available selections.
- 2. Maximum Width: 84 inches (2134 mm).
- 3. Maximum Drop: 82 inches (2083 mm).

---

**\*\* NOTE TO SPECIFIER \*\* Select Control Device Type. Delete those not required. Coordinate maximum width with control type specified.**

- 4. Control Manual:

**\*\* NOTE TO SPECIFIER \*\* Select Control required. Delete those not required.**

- a. \_\_\_\_\_  
Lift Ease.
  - b. \_\_\_\_\_  
Cordless.
  - c. \_\_\_\_\_  
Standard control.
  - d. \_\_\_\_\_  
Standard TD/BU.
  - e. \_\_\_\_\_  
Cordless TD/BU.
5. Control Electric: Coordinate with Motors and Controls specified in Section 12 25 13 - Motorized Drapery Rods.

**\*\* NOTE TO SPECIFIER \*\* Select Control required. Delete those not required.**

- a. \_\_\_\_\_  
Lift Ease.
  - b. \_\_\_\_\_  
Cordless.
  - c. \_\_\_\_\_  
Standard control.
  - d. \_\_\_\_\_  
Standard TD/BU.
  - e. \_\_\_\_\_  
Cordless TD/BU.
6. Mounting:

**\*\* NOTE TO SPECIFIER \*\* Select one of the following two mounting options as required. Delete the one not required. Outside mounted window coverings will be made to exact ordered measurements. Inside mounted horizontal blinds will have 3/8 inch deducted at the factory from width.**

- a. \_\_\_\_\_  
Inside mount.
  - b. \_\_\_\_\_  
Outside mount.
7. Head Rail:

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

- a. \_\_\_\_\_  
Standard head rail.
- b. \_\_\_\_\_  
Two on one head rail.

**\*\* NOTE TO SPECIFIER \*\* Select the roller shades 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 shades may be used with motors and controls specified in Section 12 25 13 - Motorized Drapery Rods. Contact the manufacturer for additional information.**

2.6

#### 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.
- 

**\*\* 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. AC Motor Type: Line voltage wireless control. Altus 40 RTS 120V
- i. AC Motor Type: Line voltage wired control. LS 40 120V AC
- j. 120V AC Motor Type: Line voltage wireless control. Sonesse 50 RTS
- k. AC Motor Type: Line voltage wired control. Sonesse 50 RS485 120V
- l. AC 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) | 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.

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**\*\* 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.**

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2.7

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PERFECT FIT BLINDS

A. Perfect Fit Roller Blind

1. Configuration:

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**\*\* NOTE TO SPECIFIER \*\* Select configuration required and delete the one not required.**

- a. Configuration: Single Shades  
b. Configuration: Manual Shades  
2. Mounting Requirements: Inside Mount:
- 

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

- a. Mount on window sash.  
b. Mount on door window lite.  
3. Mounting Brackets: Spring steel. Size depends on window sash/door window lite frame depth. Size to be determined at time of measurement.  
4. Bracket Colors:
- 

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

- a. Silver  
b. White  
c. Brown  
5. Roller Blind Frame:
- 

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

- a. White  
b. Anodized.  
c. Bronze  
d. Grey  
6. Width: Minimum Width 13.8 inches (351 mm), Maximum Width: 57 inches (1448 mm)  
7. Drop: Minimum Drop 10 inches (254 mm), Maximum Drop: 67 inches (1575 mm).  
8. Hembar:
- 

**\*\* NOTE TO SPECIFIER \*\* Select fabric covered or exposed color and delete those not required.**

- a. White  
b. Bronze  
c. Anodized  
d. Black  
e. Fabric Wrapped Hembar

---

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

9. \_\_\_\_\_  
Shade fabric color and openness as selected by Architect from  
fabricator's available selections.
- B. PerfectFit Venetian Blind System.
1. Slats:

---

**\*\* NOTE TO SPECIFIER \*\* Select configuration required and delete the one not required.**

- a. \_\_\_\_\_  
Aluminum Heat Treated and Tempered, 1 inch (25 mm) wide  
by .006 inch thick.
- b. \_\_\_\_\_  
Premium Aluminum Heat Treated and Tempered, 1 inch (25  
mm) wide by .008 inch thick.
2. Maximum Width: 62 inches (1575 mm)
3. Maximum Drop: 62 inches (1575 mm)
4. Slat Spacing: 22.5 mm spacing with approximately 13 slats per foot of  
drop.
5. Mounting Requirements: Inside Mount:

---

**\*\* NOTE TO SPECIFIER \*\* Select mount required and delete the one not required.**

- a. \_\_\_\_\_  
Mount on window sash.
- b. \_\_\_\_\_  
Mount on door window lite.
6. Mounting Brackets: Spring steel. Size depends on window sash/door  
window lite frame depth. Size to be determined at time of measurement.

---

**\*\* NOTE TO SPECIFIER \*\* Select recess required and delete the one not required.**

- a. \_\_\_\_\_  
20 mm recess: 1-3/16 inches by 1-1/8 inches by 3/4 inch.
- b. \_\_\_\_\_  
24 mm recess: 1-3/16 inches by 1-1/4 inches by 3/4 inch.
7. Bracket Colors:

---

**\*\* NOTE TO SPECIFIER \*\* Select color required and delete the one not required.**

- a. \_\_\_\_\_  
Silver
- b. \_\_\_\_\_  
White
- c. \_\_\_\_\_  
Brown
8. Tilt Control Manual:

---

**\*\* NOTE TO SPECIFIER \*\* Select control required and delete the one not required.**

- a. \_\_\_\_\_  
Tilt Only-Left side of Headrail.
- b. \_\_\_\_\_  
Tilt Only-Right side of Headrail.
9. Venetian Blind Frame:

---

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

- a. \_\_\_\_\_  
White
- b. \_\_\_\_\_  
Anodized
- c. \_\_\_\_\_  
Bronze
- d. \_\_\_\_\_  
Grey

---

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

10. \_\_\_\_\_  
C. Slat color as selected by Architect from fabricator's available selections.  
PerfectFit Pleated Blind System.

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**\*\* NOTE TO SPECIFIER \*\* Selectshade type(s) required and delete the those not required.**

1. \_\_\_\_\_  
a. Single Cell light filtering shade.  
Material: High Quality Spun lace non-woven 100 percent polyester fabric.  
1) Single Cell 3/8 inch.  
2) Treated to meet NFPA 701 fire retardant standards.  
3) Color as selected by Architect from fabricator's available selections.
2. \_\_\_\_\_  
a. Single Cell Darkening shade.  
Material: High Quality Spun lace non-woven 100 percent polyester fabric.  
1) Single Cell 3/8 inch.  
2) Color as selected by Architect from fabricator's available selections.  
3) Treated to meet NFPA 701 fire retardant standards.
3. Maximum Width: 72 inches (1829 mm).  
4. Maximum Drop: 126 inches (3200 mm).  
5. Mounting Requirements: Inside Mount:

---

**\*\* NOTE TO SPECIFIER \*\* Select mount required and delete the one not required.**

- a. \_\_\_\_\_  
Mount on window sash.
- b. \_\_\_\_\_  
Mount on door window lite.
6. Mounting Brackets: Spring steel. Size depends on window sash/door window lite frame depth. Size to be determined at time of measurement.

---

**\*\* NOTE TO SPECIFIER \*\* Select recess required and delete the one not required.**

- a. \_\_\_\_\_  
20 mm recess: 1-3/16 inches by 1-1/8 inches by 3/4 inch.
- b. \_\_\_\_\_  
24 mm recess: 1-3/16 inches by 1-1/4 inches by 3/4 inch.
7. Bracket Colors:

---

**\*\* NOTE TO SPECIFIER \*\* Select color required and delete the one not required.**

- a. \_\_\_\_\_  
Silver
- b. \_\_\_\_\_  
White
- c. \_\_\_\_\_  
Brown
8. Pleated Blind Frame:

---

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

- a. \_\_\_\_\_  
White
- b. \_\_\_\_\_  
Anodized
- c. \_\_\_\_\_  
Bronze
- d. \_\_\_\_\_  
Grey
-

**\*\* NOTE TO SPECIFIER \*\* Select the shade fabric required from the following paragraphs as required and delete those not required. Refer to A&I product literature for available shade fabrics and selection guidelines. Contact the manufacturer for additional information.**

2.8

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FABRIC

A. 1 percent Openness Commercial Collection

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**\*\* NOTE TO SPECIFIER \*\* Select paragraph required for the fabric, percent open and color from the following and delete those not applicable.**

1. Shade fabric color and openness as selected by Architect from fabricator's available selections.
  2. 1011; Color: White, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
  3. 1012; Color: White Linen, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
  4. 1013; Color: White Pearl, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
  5. 1014; Color: Linen, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
  6. 1015; Color: Ebony, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
  7. 1016; Color: Brown Chocolate, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
  8. 4801; Color: Off White, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
  9. 4802; Color: Beige White, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
  10. 4805; Color: Beige, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
  11. 4816; Color: Charcoal Bronze, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
  12. 4826; Color: Gray White, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
- B. 3 percent Openness Commercial Collection
- 

**\*\* NOTE TO SPECIFIER \*\* Select paragraph required for the fabric, percent open and color from the following and delete those not applicable.**

1. Shade fabric color and openness as selected by Architect from fabricator's available selections.
2. 1031; Color: White, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
3. 1032; Color: White Linen, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
4. 1033; Color: White Pearl, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
5. 1034; Color: Linen, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
6. 1035; Color: Ebony, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.

7. 1036; Color: Brown Chocolate, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
  8. P2211; Color: Charcoal Bronze, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
  9. P2212; Color: Charcoal Gray, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
  10. P2213; Color: Brown Charcoal, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
- C. 5 percent Openness Commercial Collection

---

**\*\* NOTE TO SPECIFIER \*\* Select paragraph required for the fabric, percent open and color from the following and delete those not applicable.**

1. Shade fabric color and openness as selected by Architect from fabricator's available selections.
  2. 1051; Color: White, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 98 inches and 118 inches.
  3. 1052; Color: White Linen, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 98 inches and 118 inches.
  4. 1053; Color: White Pearl, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 98 inches and 118 inches.
  5. 1054; Color: Linen, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 98 inches and 118 inches.
  6. 1055; Color: Ebony, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 98 inches and 118 inches.
  7. 1056; Color: Brown Chocolate, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 98 inches and 118 inches.
  8. 1057; Color: Taupe, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 98 inches and 118 inches.
  9. 2101; Color: White, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
  10. 2211; Color: Charcoal Bronze, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
  11. 2212; Color: Charcoal Gray, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
  12. 2213; Color: Charcoal, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
- D. 8 percent Openness Commercial Collection

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**\*\* NOTE TO SPECIFIER \*\* Select paragraph required for the fabric, percent open and color from the following and delete those not applicable.**

1. Shade fabric color and openness as selected by Architect from fabricator's available selections.
2. 4201; Color: Off White, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
3. 4202; Color: Beige White, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
4. 4205; Color: Gray White, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 98 inches and 118 inches.



5. 4211; Color: Bronze Charcoal, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 98 inches and 118 inches.
  6. 4212; Color: Gray, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 98 inches.
  7. 4213; Color: Charcoal, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 98 inches.
  8. 4221; Color: Gray Check, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 98 inches.
  9. 4222; Color: Beige, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 98 inches.
  10. 4223; Color: Multi, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 98 inches.
- E. 10 percent Openness Commercial Collection

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**\*\* NOTE TO SPECIFIER \*\* Select paragraph required for the fabric, percent open and color from the following and delete those not applicable.**

1. Shade fabric color and openness as selected by Architect from fabricator's available selections.
  2. 1101; Color: White, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
  3. 1102; Color: White Linen, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
  4. 1103; Color: White Pearl, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
  5. 1104; Color: Linen, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
  6. 1105; Color: Ebony, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
  7. 1106; Color: Brown Chocolate, Fire Rating: NFPA 701-99, GREENGUARD, Oeko-Tex 100. Available Widths: 72 inches, 98 inches and 118 inches.
- F. Translucent Commercial Collection

---

**\*\* NOTE TO SPECIFIER \*\* Select paragraph required for the fabric, percent open and color from the following and delete those not applicable.**

1. Shade fabric color and openness as selected by Architect from fabricator's available selections.
  2. 7001; Color: Frost, Fire Rating: NFPA 701-99, PVC Free, Available Widths: 110 inches.
  3. 7002; Color: Eggshell, Fire Rating: NFPA 701-99, PVC Free, Available Widths: 110 inches.
  4. 7003; Color: French Vanilla, Fire Rating: NFPA 701-99, PVC Free Available Widths: 110 inches.
  5. 7004; Color: Buff, Fire Rating: NFPA 701-99, PVC Free, Available Widths: 110 inches.
  6. 7005; Color: Earl Gray, Fire Rating: NFPA 701-99, PVC Free, Available Widths: 110 inches.
  7. 7006; Color: Onyx, Fire Rating: NFPA 701-99, PVC Free, Available Widths: 110 inches.
- G. Black Out Commercial Collection

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**\*\* NOTE TO SPECIFIER \*\* Select paragraph required for the fabric, percent open and color from the following and delete those not applicable.**

1. 

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Shade fabric color and openness as selected by Architect from fabricator's available selections.
2. 2921; Color: White, Fire Rating: NFPA 701-99, Available Widths: 72 inches 96 inches and 108 inches.
3. 2922; Color: Linen, Fire Rating: NFPA 701-99, Available Widths: 72 inches 96 inches and 108 inches.
4. 2923; Color: Fawn, Fire Rating: NFPA 701-99, Available Widths: 72 inches 96 inches and 108 inches.
5. 2924; Color: Champagne, Fire Rating: NFPA 701-99, Available Widths: 72 inches 96 inches and 108 inches.
6. 2925; Color: Gray, Fire Rating: NFPA 701-99, Available Widths: 72 inches 96 inches and 108 inches.
7. 7101; Color: Frost, Fire Rating: NFPA 701-99, PVC Free, Available Widths: 110 inches.
8. 7102; Color: Eggshell, Fire Rating: NFPA 701-99, PVC Free, Available Widths: 110 inches.
9. 7103; Color: French Vanilla, Fire Rating: NFPA 701-99, PVC Free, Available Widths: 110 inches.
10. 7104; Color: Buff, Fire Rating: NFPA 701-99, PVC Free, Available Widths: 110 inches.
11. 7105; Color: Earl Gray, Fire Rating: NFPA 701-99, PVC Free, Available Widths: 72 inches 96 inches and 108 inches.
12. 7106; Color: Onyx, Fire Rating: NFPA 701-99, PVC Free, Available Widths: 110 inches.

### PART 3 EXECUTION

#### 3.1 EXAMINATION

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

#### 3.2 PREPARATION

---

**\*\* NOTE TO SPECIFIER \*\* Include one of the following paragraphs. Delete if not applicable.**

- A. 

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Coordinate requirements for blocking and structural supports to ensure adequate means for installation of window treatments.
- B. Coordinate requirements for blocking, construction of pockets, and structural supports to ensure adequate means for installation of window treatments.
- C. Coordinate installation of recessed shade pockets with construction of suspended gypsum board ceilings specified in Section 09 21 16.33 - Gypsum Board Area Separation Wall Assemblies.

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**\*\* NOTE TO SPECIFIER \*\* Include the following paragraph for motorized window treatments. Delete if not applicable.**

- D. 

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Coordinate requirements for power supply conduit, and wiring required for window shade motors and controls.
- E. Clean surfaces thoroughly prior to installation.
- F. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

#### 3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions.

#### 3.4 ADJUSTMENT AND DEMONSTRATION

- A. Adjust all units prior to project closeout.
- B. At project closeout, demonstrate proper adjustment, usage, cleaning and maintenance procedures to the owner or owner's representative

3.5 PROTECTION

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

END OF SECTION