

Part 1 General

1.1 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Submit submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
 - .1 Submit manufacturer's printed product literature and data sheets for horizontal louver blinds and include product characteristics, performance criteria, physical size, finish and limitations.
- .3 Shop Drawings:
 - .1 Indicate on drawings dimensions in relation to window jambs, operator details, head anchorage details, hardware and accessories details.
- .4 Samples:
 - .1 Submit one representative working sample of each type horizontal louvre.
 - .2 Submit duplicate samples of manufacturer's standard colours for selection by Departmental Representative.
 - .3 After approval samples will be returned for incorporation into Work.

1.2 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements and with manufacturer's written instructions.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3 Storage and Handling Requirements:
 - .1 Store materials off ground, indoors and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
 - .2 Store and protect horizontal louvre blinds from nicks, scratches, and blemishes.
 - .3 Replace defective or damaged materials with new.
- .4 Packaging Waste Management: remove for reuse and return by manufacturer pallets, crates, padding, packaging materials as specified in Construction Waste Management Plan in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.

Part 2 Products

2.1 DESIGN CRITERIA

- .1 Design horizontal louvre blinds to following requirements:
 - .1 Allow wear susceptible parts to be replaceable by either user or manufacturer.
 - .2 Guarantee of at least five-years of available replacement parts following discontinue of products manufacture.

- .3 Include instructions for replacing or repairing worn parts, including inventory numbers for parts and procedures for ordering replacement parts.
- .4 Allow for refurbishing or return of used vertical louvre blinds.
- .5 Permit effective disassembly of components in for recycling of materials.
- .6 Include stamps on major plastic components indicating composition code to facilitate recycling efforts.

2.2 MATERIALS AND FABRICATION

- .1 Slats: 35 mm wide x 1.5 mm nominal thickness, with rounded corners and rough edges removed.
 - .1 Aluminum alloy, corrosion resistant spring-tempered.
 - .2 Colour and finish: as selected by Departmental Representative.
- .2 Ladders:
 - .1 Braided polyester yarn designed for full tilting action while retaining same level and position of each slat.
 - .2 Ladders spaced not more than 150 mm from end of slats and 550 mm on centre.
- .3 Headrails:
 - .1 One piece steel channel with rolled edges, formed to provide sufficient strength to support blind without sagging, twisting or distorting.
 - .2 Metal minimum 0.50 mm thick.
- .4 Bottom rails:
 - .1 Lock seam tubular steel section.
 - .2 0.36 mm thick.
- .5 Bottom rail end caps:
 - .1 Soft moulded plastic fitted snugly over ends of rails.
 - .2 Colour to match slats.
- .6 Tilt rods: solid steel.
- .7 Tassels:
 - .1 Soft moulded plastic.
 - .2 Colour to match slats.
- .8 Pulleys: designed to permit ease of operation with minimum wear to cord.
- .9 Valance: 64 mm wide, same material colour and finish as slats.
- .10 Tilters:
 - .1 Fully enclosed and lubricated, with positively locked to drum to prevent slippage and ensure accurate timing.
 - .2 Use anti-friction materials for worm and gear.
- .11 Cord locks: designed to provide smooth operation with feature to prevent accidental dropping of blinds.

- .12 Ladder cap: designed to provide sufficient retention when snapped onto bottom rail to hold ladders in proper position.
- .13 Installation brackets: end type complete with safety locking caps to secure headrail and valance.
- .14 Lift cords: 1.98 mm diameter, minimum tensile strength 689 kPa, with tassels.
- .15 Tilter controls: transparent wand, minimum 8 mm diameter.

Part 3 Execution

3.1 EXAMINATION

- .1 Verification of Conditions: verify conditions of substrates and surfaces to receive horizontal louvre blinds previously installed under other Sections or Contracts are acceptable for product installation in accordance with manufacturer's instructions prior to horizontal louvre blinds installation.
 - .1 Visually inspect substrate in presence of Departmental Representative.
 - .2 Inform Departmental Representative of unacceptable conditions immediately upon discovery.
 - .3 Proceed with installation only after unacceptable conditions have been remedied and after receipt of written approval from Departmental Representative.

3.2 INSTALLATION

- .1 Install blinds to locations indicated.
- .2 Include centre brackets where necessary to prevent deflection of head rail.
- .3 Adjust to provide for operation without binding.
- .4 Use non corrosive metal fasteners for installation, concealed in final assembly.

3.3 ADJUSTING

- .1 Adjust horizontal louvre blinds components for correct function and operation in accordance with manufacturer's written instructions.
- .2 Lubricate moving parts to operate smoothly and fit accurately.

3.4 CLEANING

- .1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
 - .1 Leave Work area clean at end of each day.
- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.
- .3 Waste Management: separate waste materials for recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.
 - .1 Remove recycling containers and bins from site and dispose of materials at appropriate facility.

3.5 PROTECTION

- .1 Protect installed products and components from damage during construction.
- .2 Repair damage to adjacent materials caused by horizontal louvre blinds installation.

END OF SECTION