

Building Modernization	BLINDS	Section 12 21 13
Phase II		Page 1
10 Weldon St. Shediac, NB		2013
Project No. R.039554.001		2013-07-17

PART 1 - GENERAL

<u>1.1 RELATED SECTIONS</u>	.1	Section 06 10 00 - Rough Carpentry.
	.2	Section 09 22 16 - Non-structural Metal Framing.
<u>1.2 REFERENCES</u>	.1	American Society for Testing and Materials (ASTM) .1 ASTM D 1784-11, Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds.
	.2	Environmental Choice Program (ECP) .1 ECP-66-94, Office Furniture.
<u>1.3 DESIGN REQUIREMENTS</u>	.1	Design Manual Roller Shades to following requirements: .1 Be designed in a manner that allows wear susceptible parts to be replaceable by either the user or the manufacturer. .2 A guarantee of at least five-years of available replacement parts following discontinue of the products manufacture. .3 Be accompanied by instructions for replacing or repairing worn parts, including inventory numbers for parts and procedures for ordering replacement parts. .4 A program that allows for the refurbishing or return of used blinds. .5 Be designed in a manner that permits effective disassembly of components in order to permit recycling of materials for which recycling markets exist. .6 Include stamps on all major plastic components indicating composition code to facilitate recycling efforts.
<u>1.4 SHOP DRAWINGS</u>	.1	Submit shop drawings in accordance with Section 01 33 00 - Submittal Procedures.

<u>1.4 SHOP DRAWINGS (Cont'd)</u>	.2	Indicate dimensions in relation to window jambs, operator details, head and sill anchorage details, hardware and accessories details.
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<u>1.5 SAMPLES</u>	.1	Submit samples in accordance with Section 01 33 00 - Submittal Procedures.
	.2	Submit one representative working sample of each type of roller shades.
	.3	Submit duplicate samples of manufacturer's standard colours for selection by Departmental Representative.
	.4	After approval samples will be returned for incorporation into the Work.

<u>1.6 WASTE MANAGEMENT AND DISPOSAL</u>	.1	Remove and dispose from site all packaging materials at appropriate recycling facilities.
	.2	Dispose of all corrugated cardboard, polystyrene, plastic, packaging material in appropriate on-site bin for recycling in accordance with site waste management program.

PART 2 - PRODUCTS

<u>2.1 Materials and Fabrication</u>	.1	Mauual Roller Shades: Fabrics: Inherently anti-static, flame retardant, fade and stain resitant, light filtering, fabrics providing 3% openness factors. Fabric weights to range between 6.00 oz/sq.yd., containing fiberglass and PVC, Coatings. Finish to be sheer and blackout fabrics.
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2.1 Materials and
Fabrication
(Cont'd)

- .2 Clutch Operated: Engineered heavy duty chain drive pulley operating system consisting of metal clutch housing and locking plug containing minimum 6 ribs and inserted at minimum of 2-1/4" into roller tube. Lift torque enhancement provided by Counter Balance System with integrated spring support module. Utilization of adjustment-free continuous qualified stainless steel ball chain with 110 lbs breaking strength for precise control, smooth operation and ensuring a uniform look. Chain tensioner to be compliant with WCMA safety standard A100.1-2010 and must prevent the clutch system from moving the roller shade through lowering and raising if not properly installed as specified in ANSI Standard Section 6.5.2. Components will be maintenance free from adjustments or lubrication for trouble-free operation.
- .3 Roller Tube: Circular-shaped aluminum tube extruded from alloy and temper 6063 T-6. 2" outside diameter extruded tube to have a .063" wall thickness (2.5" outside diameter to have .079" wall thickness). Heavily reinforced with minimum six internal ribs providing additional tensile strength and allows for secure placement of clutch & end plug.
- .4 Bottom Bar: Extruded aluminum weight in a Sealed Pocket Hem Bar, or RB Bottom Bar for fabrics that are not seamable. Bottom bar is for tracking adjustments and provides uniform look.
- .5 Mounting Hardware: Manufacturer's standard heavy duty bracket constructed of hardened 1/8" thick steel to support full weight of shade with bracket & screw hole covers to provide uniform look. Integrated leveling device for enhanced level adjustment of overall shade. Locking mechanism on bracket adapter provides for a secure installation and removal of the shade.

PART 3 - EXECUTION

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| <u>3.1 INSTALLATION</u> | .1 | Include centre brackets where necessary to prevent deflection of headrail. |
| | .2 | Adjust to provide for operation without binding. |
| | .3 | Use non corrosive metal fasteners for installation, concealed in final assembly. |
| <u>3.2 CLEANING</u> | .1 | Clean finish installation of dirt and finger marks. Leave work area clean and free of debris. |