



Item Number	WT-1
Item Description	Window Treatment
Manufacturer	Read Window Products, LLC (or equal)
Model	Manual Roller Shades
Size	60"W x 84"H
Finish	TBD
Quantity	6
Location	Work Area 103 & Break 107
Features	Part 1 - General:
	Manually operated roller shades with fascia
	Standard clutch controls
	Shades fastened to window system
	Action Submittals: Include styles, material descriptions, construction details, dimensions of individual components & profiles, features, finishes & operating instructions for roller shades
	Samples for initial selection for each type & color of fabric panel material
	Samples for verification for each type of roller shade fabric panel material to be no less than 10"
	Roller shade schedule to use same designation included on the drawings
	Informational Submittals:Qualification data for installer
	Closeout Submittals: Maintenance data to be included in maintenance manuals
	Manufacturer Qualifications: A firm with at least 20 years of demonstrated experience in United States-based manufacture of the product required
	Deliver roller shades in factory packages, marked with manufacturer, product name & location of installation using same designations indicated on the drawings
	Environmental Limitations: Do not install roller shades until construction & finish work in spaces, including painting, is complete, dry & ambient temperature & humidity conditions are maintained at the levels indicated for the project when occupied for it's intended use
	Field Measurements: Where roller shades are indicated to fit to other construction, verify dimensions of other construction by field meausrements before fabrication & indicate measurements on Shop Drawings
	Allow clearance for operating hardware of operable glazing units through entire operating range. Notify owner of installation conditions that vary from the drawings
	Coordinate fabrication schedule with construction progress to avoid delaying the work
	Part 2 - Product Requirements:
	Manufacturers: Subject to compliance with requirements available. Manufacturers offering products that may be incorporated into the work include, but are not limited to:
	1. Read Window Products LLC
	2. Hunter Douglas Contract
	3. Draper Inc.
	4. Lutron
	Source Limitations: Obtain roller shades from single source from single manufacturer
	Chain-and-Clutch Operating Mechanisms: With continuous-loop bead chain & clutch comprised of multi-banded steel springs that stops shade movement when bead chain is released; permanently adjusting & lubricated
	Mounting Hardware: Brackets or end-caps, corrosion resistant & compatible with roller assembly, operating mechanism, installation accessories & mounting location & conditions indicated
	Fabric Panels: Color & finish as selected by designer from manufacturer's full range of standard finishes
	Light filtering fabric - 3% openness
	Installation Accessories: Front fascia to be aluminum extrusion that conceals front & undertide of roller & operating mechanism & attaches to roller end-caps without exposed fasteners
	Clear anodized, L-shaped front fascia
	Manufacturer's standard height required to conceal roller & fabric panel when shade is fully open, but not less than 3 inches
	Fabric panel material Flame-Resistance Rating: Comply with NFPA 701 testing by a qualified testing agency. Intenify products with appropriate markings of applicable testing agency
	Product Safety Standard: Fabricate roller shades to comply with WCMA A 100.1, including requirements for flexible, chain-loop devices; lead content of components & warning labels
	Fabricate units in sizes to fill window & other openings as follows: Between (inside) jam installation - width equal to jamb-to-jamb dimension of opening in which shade is installed less than 1/4" (per side), plus or minus 1/8". Length equal to head-to-sill or - floor dimension of opening in which shade is installed less than 1/4" plus or minus 1/8"
	Part 3 - Execution:
	Examine substrates, areas & conditions, with installer present, for compliance with requirements for installation tolerances, operational clearances & other conditions affecting performance of the work
	Proceed with installation only after unsatisfactory conditions have been corrected
	Install roller shades level, plumb & aligned with adjacent units according to the manufacturer's written instructions
	Adjust & balance roller shades to operate smoothly, easily, safely & free from binding or malfunction throughout entire operation range
	Clean roller-shade surfaces after installation, according to manufacturer's written instructions
	Provide final protection & maintain condition, in a manner acceptable to the manufacturer & installer, which ensure that the roller shades are without damage or deterioration at time of Substantial Completion
	Replace damaged roller shades that cannot be repaired, in a manner approved by desinger, before time of Substantial Completion
	Engage a factory-authorized service representative to train the owner's maintenance personnel to adjust, operate & maintain roller shades
Warranty	10 year