

LEVOLOR PRODUCTS

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LEVOLOR ® 1" BLIND

Competitively positioned 1" horizontal aluminum window covering.

PART I – GENERAL

1.01 SCOPE

Furnish and install Levolor blinds, provided by Levolor Home Fashions, 4110 Premier Drive, High Point, NC 27265, in accordance with specifications, drawings, and contract documents.

Related work specified elsewhere.

1.02 QUALITY ASSURANCE

Installer's qualifications:

The installer shall be a firm approved by Levolor Home Fashions Contract Division.

The Installer shall be qualified to install the product specified, as demonstrated by prior experience.

Job mock-up: (Describe)

1.03 SUBMITTALS

Product information: Submit Levolor product literature and installation instructions.

Shop drawings: Indicate field-measured dimensions of openings which are to receive blinds, details of mounting surface and sill conditions, and details of corners and conditions between adjacent blinds.

Color samples: Submit a sample of each type and color of material specified.

1.04 DELIVERY, STORAGE, AND HANDLING

Packing and Shipping:

Materials shall be delivered to the Project in Levolor's original unopened packaging with labels intact.

Storage:

Materials shall be stored in a clean area which is free of corrosive fumes, dust, and away from construction activities.

Materials shall be stacked horizontally using plastic or wood shims such that drainage and ventilation are provided for, and such that water cannot accumulate in, about, or upon the containers.

Stacks shall be covered with tarpaulins or plastic such that ventilation is provided for, and such that contaminants are prevented from contacting surfaces.

1.05 PROJECT/SITE CONDITIONS (BEFORE PRODUCT INSTALLATION BEGINS)

Roof must be tight, windows and frames installed and glazed, and interior doors hung.

Wet work including concrete, masonry, plaster, stucco, terrazzo, sheetrock, spackling, and taping (including sanding) shall be complete and dry.

Ceilings, window pockets, electrical, and mechanical work above the product shall be complete.

Electrical power (110 volt AC) shall be available for installer's tools within 500 ft. of product installation areas.

1.06 WARRANTY

One Year Limited Warranty: Levolor Home Fashions Contract division shall repair or replace for one year from the date of purchase of the blind, at its option, without charge, any part found defective in workmanship or material as long as the blind remains in the same window for which it was purchased.

PART II – PRODUCTS

2.01 MANUFACTURER AND PRODUCT DESCRIPTION

Acceptable product: Levolor 1" Blind manufactured by Levolor Home Fashions.

Materials:

Headrail shall be of .025" thick Tomized® steel, "U" shaped, 3/4" high x 1-3/16" wide with flanged edges at top, and coated with baked on finish. All hardware shall be enclosed in the metal headrail.

Guardian Tilter™ mechanism shall be of a not less than .031" thick Tomized steel housing with a self-lubricating nylon, automatically disengaging worm and gear mechanism to provide maximum closure, eliminate overdrive, and prevent strain or damage to blind.

Tilt Wand shall be transparent hollow with a hexagonal cross section approximately 5/16" in diameter across flats.

Cord Lock shall be .031" thick Tomized steel and shall be securely attached to headrail. It shall be crashproof with sufficient sensitivity to lock slats at desired height upon release of cords.

Drum and Cradle shall be provided for each ladder.

Drums shall be engineering polymer providing secure attachment for both ladder ends.

Cradles shall be of .025" thick Tomized steel having two holes with rolled edges to guide cords through bottom of headrail without abrasion. They shall provide bearing support for the tilt rod, thus preventing the weight of the blind from being transferred to the tilter. Cradles shall center drums over the ladder openings.

Tilt Rod shall be U-shaped, with a circular radius of approximately .125" designed to achieve minimum torsional deflection.

End Braces shall be of .025" thick Tomized steel with reinforcing ribs. End braces shall incorporate a field adjustable tab to insure secure installation, center blind in window, and

prevent lateral movement.

Installation Brackets shall be of at least .042" thick Tomized steel with baked-on finish to match headrail. The brackets shall incorporate a hinged safety locking front cover to permit removal of headrail without lateral movement. Mounting holes shall be located to accommodate overhead, side, or face mounting.

Intermediate Brackets shall be supplied as required.

Ladders (slat supports) shall be braided polyester yarn dyed to Levolor color standard. The two vertical components shall be .076" x .038" designed for maximum flexibility combined with minimum stretch and tensile strength of not less than 50 lbs. per cable. Horizontal components (rungs) shall consist of not less than four cables inter-braided with the vertical components. Ladder shall support the slats without visible distortion. Distance between slats shall not exceed 23 mm (nominally 13.2 slats per vertical foot). Distance between ladders shall not exceed 23" for blinds up to 80" long. For blinds over 80" long, distance between ladders shall not be greater than 22". Distance between end ladder and end of slat shall not exceed 7".

Slats shall be of 5000 series magnesium aluminum alloy only, not to include reprocessed metals. Aluminum alloy shall be tempered to optimize tensile and yield strength for superior slat strength, resiliency, and corrosion resistance. Slats shall be nominally 1" wide and .0055 ± .0003" thick prior to coating; after coating the thickness of the slats shall be nominally .0060". Slats shall have a coating thickness of .8 mil to 1.5 mil. Slats shall perform to 500 hours of 100% relative humidity testing, 300 hours of 5% salt spray solution at 95 degree F testing, and 250 hours of accelerated weathering testing without blistering, fading, corroding, or adhesive failure. Slat thickness and ladder support distances shall prevent visible sag or bow after continued use indoors.

Bottomrail shall be of 0.31" thick Tomized steel formed after coating and shall be provided with color compatible molded plastic ladder and end caps having integral protrusions designed to prevent bottom bar from marring window sill and/or mullions.

Lift Cord shall be braided of high strength, 1.4 mm dia. polyester fiber with a high tenacity polyester core, 33 picks per inch, 16 carrier smooth braids, and shall be flexible, have minimum stretch, maximum abrasion resistance characteristics, and a minimum breaking strength of 130 lbs. Cord shall be of sufficient length equalized to properly control raising and lowering of blind and spaced not over 46" between cords.

Color of blind shall be selected from standard Levolor solid colors.

Options shall include:

Hold Down Brackets

Single Slat Valance

PART III – EXECUTION

3.01 INSPECTION

Window treatment subcontractor shall be responsible for inspection of site, field measurements, and approval of mounting surfaces and installation conditions.

Subcontractor shall verify that site is free of conditions that interfere with blind installation and operation, and shall begin installation only when any unsatisfactory conditions have been rectified.

3.02 INSTALLATION

Installation shall comply with Levolor specifications, standards, and procedures.

Provide support brackets as per Levolor's installation instructions.

See installation instructions packaged with blinds for more installation details.

Provide adequate clearance to permit unencumbered operation of blind and hardware.

Demonstrate blinds to be in uniform and smooth working order.

3.03 CLEANING

Clean soiled blinds with a mild soap solution only. Do not use cleaning methods involving heat, bleach, abrasives, or solvents. Do not use window cleaner or cloths with paper content.

Ensure proper drying following cleaning by providing adequate ventilation.

MARK I DUSTGUARD™ 1" BLIND

Top quality 1" horizontal aluminum window covering for non-pocket commercial applications.

PART I – GENERAL

1.01 SCOPE

Furnish and install Levolor blinds, provided by Levolor, 7614 Business Park Drive, Greensboro, NC 27409, in accordance with specifications, drawings, and contract documents.

Related work specified elsewhere.

1.02 QUALITY ASSURANCE

Installer's qualifications:

The installer shall be a firm approved by Levolor.

The Installer shall be qualified to install the product specified, as demonstrated by prior experience. Incorrect installation may void warranty.

1.03 SUBMITTALS

Product information: Submit Levolor's product literature and installation instructions.

Shop drawings: Indicate field-measured dimensions of openings which are to receive blinds, details of mounting surface and sill conditions, and details of corners and conditions between adjacent blinds.

Color samples: Submit a sample of each type and color of material specified.

1.04 DELIVERY, STORAGE, AND HANDLING

Packing and Shipping:

Materials shall be delivered to the Project in Levolor's original unopened packaging with labels intact.

Storage:

Materials shall be stored in a clean area which is free of corrosive fumes, dust, and away from construction activities.

Materials shall be stacked horizontally using plastic or wood shims such that drainage and ventilation are provided for, and such that water cannot accumulate in, about, or upon the containers.

Stacks shall be covered with tarpaulins or plastic such that ventilation is provided for, and such that contaminants are prevented from contacting surfaces.

1.05 PROJECT/SITE CONDITIONS (BEFORE PRODUCT INSTALLATION BEGINS)

Roof must be tight, windows and frames installed and glazed, and interior doors hung.

Wet work including concrete, masonry plaster, stucco, terrazzo, sheetrock, spackling, and taping (including sanding) shall be complete and dry.

Ceilings, window pockets, electrical, and mechanical work above the product shall be complete.

Electrical power (110 volt AC) shall be available for installer's tools within 500 ft. of product installation areas.

1.06 WARRANTY

Forever Never Worry™ Warranty: Levolor shall repair or replace for the life of the blind, at its option, without charge, any part found defective in workmanship or material as long as the blind remains in the same window for which it was purchased.

PART II – PRODUCTS

2.01 MANUFACTURER AND PRODUCT DESCRIPTION

Acceptable product: Riviera Mark I DustGuard 1" (25 mm) blind manufactured by Levolor.

Materials:

Headrail shall be of .025" thick Tomized® steel, "U" shaped, 1.475" high x 1.625" wide with a crowned underside profile to prevent light leakage. Headrail shall be a valance-free design and shall be coated with a baked-on finish. All headrail detailing shall be high-density polyethylene. All hardware shall be enclosed in the headrail.

Guardian Tilter™ mechanism shall be of a .042" thick Tomized steel housing with a self-lubricating nylon, automatically disengaging worm and gear mechanism to provide maximum closure, eliminate overdrive, and prevent strain or damage to blind.

Tilt Wand shall be solid, clear, transparent polymer with round cross section of 5/16" diameter. The tilt wand mechanism shall exit the bottom of the headrail via a U-shaped black or bright metal-plated steel link. The tilt wand end contains a split eye machining detail which facilitates attachment and removal of the wand from the headrail.

Cord Lock shall be of .042" thick Tomized steel and shall be securely attached to headrail. It shall be crash proof with sufficient sensitivity to lock slats at desired height upon release of cords.

Drum and Cradle shall be provided for each ladder.

Drums shall be of .031" thick Tomized steel having two holes with rolled edges to anchor barbs of both ladder ends.

Cradles shall be of .042" thick Tomized steel having three holes with rolled edges to guide cords through bottom of headrail without abrasion. They shall provide bearing support for the tilt rod, thus preventing the weight of the blind from being transferred to the tilter. Cradles shall center drums over the ladder openings.

Drums shall contain acetal polymer bushings which serve as bearing surfaces between the Drum and Cradle to reduce friction and provide smooth operation through the

full range of slat tilt angles.

Tilt Rod shall be designed to achieve a torsional deflection limit of <-6 degrees per 30" length with an applied torque of one foot-pound. A U-shaped tilt rod with a circular radius of approximately 0.125" is used for average blind sizes and lengths. For blinds over 60" wide and under 80" long, or over 55" wide and over 80" long, tilt rod shall be solid D-shaped with an average cross section of 0.28".

Installation Brackets shall be of a combination of 0.048" and 0.036" thick tempered and electroplated steel designed to minimize light gaps. A spring mechanism provides pre-load engagement with the headrail. Brackets shall consist of two interconnecting pieces. One of the pieces is designed for ceiling mount applications and shall be completely concealed within the headrail. A second piece interconnects with the ceiling mount piece to convert the bracket for use in wall mount applications. Both are supplied with each blind in the case of OB installations. Six polymeric shims are supplied with each blind to assist in installations involving uneven surfaces.

Intermediate Brackets shall be of the same design as installation brackets. They shall be installed with blinds over 60" wide and under 80" long, or over 55" wide and over 80" long. Intermediate brackets shall be supplied as required.

Ladders (slat supports) shall be braided polyester yarn dyed to Levolor color standards. The two vertical components shall be .076" x .038" designed for maximum flexibility combined with minimum stretch and tensile strength of not less than 50 lbs. per cable. Horizontal components (rungs) shall consist of not less than two crossed cables inter-braided with the vertical components. Ladders shall support the slats without visible distortion. Distance between slats shall not exceed 19.6 mm (nominally 15.7 slats per vertical foot). Distance between ladders shall not exceed 23" for blinds up to 80" long. For blinds over 80" long, distance between ladders shall not be greater than 22". Distance between end ladder and end of slat shall not exceed 7".

Slats shall be of 5000 series magnesium aluminum alloy only, not to include reprocessed metals. Aluminum alloy shall be tempered to optimize tensile and yield strength for superior slat strength, resiliency, and corrosion resistance. Slats shall be nominally 1" wide and .0075 ± .0003" thick (prior to coating); after coating the thickness of the slats shall be nominally .0085". Slats shall have a baked-on coating thickness of .8 mil to 1.5 mil. Unperforated slats shall perform to 500 hours of 100% relative humidity testing, 300 hours of 5% salt spray solution at 95 degree F testing, and 250 hours of accelerated weathering testing without blistering, fading, corroding, or adhesive failure. Slat thickness and ladder support distances shall prevent visible sag or bow after continued use indoors.

DustGuard feature is a permanent, patent pending paint process that disrupts the natural static attraction of airborne dust particles, reducing dust build up by 50–70 percent. (NOTE: Certain Mark I finishes may not be available with the DustGuard feature. Please confirm selection with DustGuard color list.)

Slats shall be (select one):

Unperforated.

Pinlight Magic® – Slats shall be perforated with a pattern of randomly spaced .039" diameter holes, nominally 13 per inch of slat length. Slats shall have an openness

factor of 1.5%.

SheerView™ Perforated – Slats shall be perforated with a staggered pattern of .020" diameter holes, nominally 177 per inch of slat length. Slats shall have an openness factor of 6%.

Bottomrail shall be of 0.029" thick Tomized steel and shall be fully enclosed with color compatible flexible PVC bottom bumper and high-density polyethylene end caps designed to prevent bottomrail from marring window sill and/or mullions. End caps shall provide hold-down capability designed to prevent bottom bar sway on doors or in windy exposures.

Lift Cord shall be braided of high strength, 1.4 mm dia. polyester fiber with a high tenacity polyester core, 34 picks per inch, 16 carrier smooth braids, and shall be flexible, have minimum stretch, maximum abrasion resistance characteristics, and a minimum breaking strength of 130 lbs. Cord shall be of sufficient length equalized to properly control raising and lowering of blind and spaced not over 46" between cords.

Lift Cord Tassel shall allow for field adjustment of lift cord length.

Color of blind shall be selected from over 110 Mark I standard solid colors, Tiltone™ colors, specialties, or standard metallic slat finishes and complementary standard accessory finishes. DustGuard feature is not available on all colors.

Options shall include:

Cutouts

Extension Plates

Hold Down Brackets

Multiple Blinds on One Headrail

Restrictive Cam Tilter

Ring Pull

Telescopic or Non-Telescopic Tilter Pole

Top-Lok® Cord Lock

Universal Ring Tilter

PART III – EXECUTION

3.01 INSPECTION

Window treatment subcontractor shall be responsible for inspection of site, field measurements, and approval of mounting surfaces and installation conditions.

Subcontractor shall verify that site is free of conditions that interfere with blind installation and operation, and shall begin installation only when any unsatisfactory conditions have been rectified.

3.02 INSTALLATION

Installation shall comply with Levolor specifications, standards, and procedures.

Provide support brackets as per Levolor's installation instructions.

See installation instructions packaged with blinds for more installation details.

Provide adequate clearance to permit unencumbered operation of blind and hardware.

Demonstrate blinds to be in uniform and smooth working order.

3.03 CLEANING

Clean soiled blinds with a mild soap solution only. Do not use cleaning methods involving heat, bleach, abrasives, or solvents. Do not use window cleaner or cloths with paper content.

Ensure proper drying following cleaning by providing adequate ventilation.

MONACO ® 1" BLIND

Competitively positioned 1" horizontal aluminum window covering for commercial applications.

PART I – GENERAL

1.01 SCOPE

Furnish and install Levolor blinds, provided by Levolor Home Fashions, 4110 Premier Drive, High Point, NC 27265, in accordance with specifications, drawings, and contract documents.

Related work specified elsewhere.

1.02 QUALITY ASSURANCE

Installer's qualifications:

The installer shall be a firm approved by Levolor Home Fashions Contract Division.

The installer shall be qualified to install the product specified, as demonstrated by prior experience.

Job mock-up: (Describe)

1.03 SUBMITTALS

Product information: Submit Levolor product literature and installation instructions.

Shop drawings: Indicate field-measured dimensions of openings which are to receive blinds, details of mounting surface and sill conditions, and details of corners and conditions between adjacent blinds.

Color samples: Submit a sample of each type and color of material specified.

1.04 DELIVERY, STORAGE, AND HANDLING

Packing and Shipping:

Materials shall be delivered to the Project in Levolor's original unopened packaging with labels intact.

Storage:

Materials shall be stored in a clean area which is free of corrosive fumes, dust, and away from construction activities.

Materials shall be stacked horizontally using plastic or wood shims such that drainage and ventilation are provided for, and such that water cannot accumulate in, about, or upon the containers.

Stacks shall be covered with tarpaulins or plastic such that ventilation is provided for, and such that contaminants are prevented from contacting surfaces.

1.05 PROJECT/SITE CONDITIONS (BEFORE PRODUCT INSTALLATION BEGINS)

Roof must be tight, windows and frames installed and glazed, and interior doors hung.

Wet work including concrete, masonry, plaster, stucco, terrazzo, sheetrock, spackling, and taping (including sanding) shall be complete and dry.

Ceilings, window pockets, electrical, and mechanical work above the product shall be complete.

Electrical power (110 volt AC) shall be available for installer's tools within 500 ft. of product installation areas.

1.06 WARRANTY

Lifetime Warranty: Levolor Home Fashions Contract Division shall repair or replace for the life of the blind, at its option, without charge, any part found defective in workmanship or material as long as the blind remains in the same window for which it was purchased.

PART II – PRODUCTS

2.01 MANUFACTURER AND PRODUCT DESCRIPTION

Acceptable product: Monaco 1" (25 mm) blind manufactured by Levolor Home Fashions.

Materials:

Headrail shall be of .025" thick Tomized® steel, "U" shaped, 3/4" high x 1-3/16" wide with flanged edges at top, and coated with baked-on finish. All hardware shall be enclosed in the metal headrail.

Guardian Tilter™ mechanism shall be of a not less than .031" thick Tomized steel housing with a self-lubricating nylon, automatically disengaging worm and gear mechanism to provide maximum closure, eliminate overdrive, and prevent strain or damage to blind.

Tilt Wand shall be transparent with a round fluted cross section approximately 5/16" in diameter with 8 grooves for nonslip grip.

Cord Lock shall be of .031" thick Tomized steel and shall be securely attached to headrail. It shall be crash proof type with sufficient sensitivity to lock slats at desired height upon release of cords.

Drum and Cradle shall be provided for each ladder.

Drums shall be engineering polymer providing secure attachment for both ladder ends.

Cradles shall be of .025" thick Tomized steel having two holes with rolled edges to guide cords through bottom of headrail without abrasion. They shall provide bearing support for the tilt rod, thus preventing the weight of the blind from being transferred to the tilter. Cradles shall center drums over the ladder openings.

Tilt Rod shall be U-shaped with a circular radius of approximately .125" designed to achieve minimum torsional deflection.

End Braces shall be of .025" thick Tomized steel with reinforcing ribs. End braces shall

incorporate a field adjustable tab to insure secure installation, center blind in window, and prevent lateral movement.

Installation Brackets shall be of at least .042" thick Tomized steel with baked-on finish to match headrail. The brackets shall incorporate a rivet-hinged safety locking front cover to permit removal of headrail without lateral movement. Mounting holes shall be located to accommodate overhead, side, or face mounting.

Intermediate Brackets shall be supplied as required.

Ladders (slat supports) shall be braided polyester yarn dyed to Levolor color standard. The two vertical components shall be .076" x .038" designed for maximum flexibility combined with minimum stretch and tensile strength of not less than 50 lbs. per cable. Horizontal components (rungs) shall consist of not less than four cables inter-braided with the vertical components. Ladders shall support the slats without visible distortion. Distance between slats shall not exceed 21.5mm (nominally 14.2 slats per vertical foot). Distance between ladders shall not exceed 23" for blinds up to 80" long. For blinds over 80" long, distance between ladders shall not be greater than 22". Distance between end ladder and end of slat shall not exceed 7".

Slats shall be of 5000 series magnesium aluminum alloy only, not to include reprocessed metals. Aluminum alloy shall be tempered to optimize tensile and yield strength for superior slat strength, resiliency, and corrosion resistance. Slats shall be nominally 1" wide and .0055 ± .0003" thick prior to coating; after coating the thickness of the slats shall be nominally .0060". Slats shall have a coating thickness of .8 mil to 1.5 mil. Unperforated slats shall perform to 500 hours of 100% relative humidity testing, 300 hours of 5% salt spray solution at 95 degree F testing, and 250 hours of accelerated weathering testing without blistering, fading, corroding, or adhesive failure. Slat thickness and ladder support distances shall prevent visible sag or bow after continued use indoors.

Bottomrail shall be of .031" thick Tomized steel formed after coating and shall be provided with color compatible molded plastic ladder and end caps having integral protrusions designed to prevent bottom bar from marring window sill and/or mullions.

Lift Cord shall be braided of high strength, 1.4 mm dia. polyester fiber with a high tenacity polyester core, 33 picks per inch, 16 carrier smooth braids, and shall be flexible, have minimum stretch, maximum abrasion resistance characteristics, and a minimum breaking strength of 130 lbs. Cord shall be of sufficient length equalized to properly control raising and lowering of blind and spaced not over 46" between cords.

Color of blind shall be selected from over 50 standard Levolor solid colors or metallic slat finishes.

Options shall include:

Hold Down Brackets

Multiple Blinds on One Headrail

Pivot Plate

Pocket Brackets

Projection Brackets
Restrictive Cam Tilter
Ring Pull
Telescopic or Non-Telescopic Tilter Pole
Top-Lok® Cord Lock
Universal Ring Tilter
Valance

PART III – EXECUTION

3.01 INSPECTION

Window treatment subcontractor shall be responsible for inspection of site, field measurements, and approval of mounting surfaces and installation conditions.

Subcontractor shall verify that site is free of conditions that interfere with blind installation and operation, and shall begin installation only when any unsatisfactory conditions have been rectified.

3.02 INSTALLATION

Installation shall comply with Levolor specifications, standards, and procedures.

Provide support brackets as per Levolor's installation instructions.

See installation instructions packaged with blinds for more installation details.

Provide adequate clearance to permit unencumbered operation of blind and hardware.

Demonstrate blinds to be in uniform and smooth working order.

3.03 CLEANING

Clean soiled blinds with a mild soap solution only. Do not use cleaning methods involving heat, bleach, abrasives, or solvents. Do not use window cleaner or cloths with paper content.

Ensure proper drying following cleaning by providing adequate ventilation.

NEWPORT ® 1" BLIND

Competitively positioned 1" horizontal aluminum window covering for commercial applications.

PART I – GENERAL

1.01 SCOPE

Furnish and install Levolor blinds, provided by Levolor Home Fashions, 4110 Premier Drive, High Point, NC 27265, in accordance with specifications, drawings, and contract documents.

Related work specified elsewhere.

1.02 QUALITY ASSURANCE

Installer's qualifications:

The installer shall be a firm approved by Levolor Home Fashions Contract Division.

The installer shall be qualified to install the product specified, as demonstrated by prior experience.

Job mock-up: (Describe)

1.03 SUBMITTALS

Product information: Submit Levolor product literature and installation instructions.

Shop drawings: Indicate field-measured dimensions of openings which are to receive blinds, details of mounting surface and sill conditions, and details of corners and conditions between adjacent blinds.

Color samples: Submit a sample of each type and color of material specified.

1.04 DELIVERY, STORAGE, AND HANDLING

Packing and Shipping:

Materials shall be delivered to the Project in Levolor's original unopened packaging with labels intact.

Storage:

Materials shall be stored in a clean area which is free of corrosive fumes, dust, and away from construction activities.

Materials shall be stacked horizontally using plastic or wood shims such that drainage and ventilation are provided for, and such that water cannot accumulate in, about, or upon the containers.

Stacks shall be covered with tarpaulins or plastic such that ventilation is provided for, and such that contaminants are prevented from contacting surfaces.

1.05 PROJECT/SITE CONDITIONS (BEFORE PRODUCT INSTALLATION BEGINS)

Roof must be tight, windows and frames installed and glazed, and interior doors hung.

Wet work including concrete, masonry plaster, stucco, terrazzo, sheetrock, spackling, and taping (including sanding) shall be complete and dry.

Ceilings, window pockets, electrical, and mechanical work above the product shall be complete.

Electrical power (110 volt AC) shall be available for installer's tools within 500 ft. of product installation areas.

1.06 WARRANTY

Lifetime Warranty: Levolor Home Fashions Contract Division shall repair or replace for the life of the blind, at its option, without charge, any part found defective in workmanship or material as long as the blind remains in the same window for which it was purchased.

PART II – PRODUCTS

2.01 MANUFACTURER AND PRODUCT DESCRIPTION

Acceptable product: Newport 1" (25 mm) blind manufactured by Levolor Home Fashions.

Materials:

Headrail shall be of .025" thick Tomized® steel, "U" shaped, 3/4" high x 1-3/16" wide with flanged edges at top, and coated with baked-on finish. All hardware shall be enclosed in the metal headrail.

Guardian Tilter™ mechanism shall be of a not less than .031" thick Tomized steel housing with a self-lubricating nylon, automatically disengaging worm and gear mechanism to provide maximum closure, eliminate overdrive, and prevent strain or damage to blind.

Tilt Wand shall be transparent with a round fluted cross section 5/16" in diameter with 8 grooves for nonslip grip.

Cord Lock shall be of .031" thick Tomized steel and shall be securely attached to headrail. It shall be crashproof with sufficient sensitivity to lock slats at desired height upon release of cords.

Drum and Cradle shall be provided for each ladder.

Drums shall be engineering polymer providing secure attachment for both ladder ends.

Cradles shall be of .025" thick Tomized steel having two holes with rolled edges to guide cords through bottom of headrail without abrasion. They shall provide bearing support for the tilt rod, thus preventing the weight of the blind from being transferred to the tilter. Cradles shall center drums over the ladder openings.

Tilt Rod shall be U-shaped with a circular radius of approximately .125" designed to achieve minimum torsional deflection.

End Braces shall be of .025" thick Tomized steel with reinforcing ribs. End braces shall

incorporate a field adjustable tab to insure secure installation, center blind in window, and prevent lateral movement.

Installation Brackets shall be of at least .042" thick Tomized steel with baked-on finish to match headrail. The brackets shall incorporate a rivet-hinged safety locking front cover to permit removal of headrail without lateral movement. Mounting holes shall be located to accommodate overhead, side, or face mounting.

Intermediate Brackets shall be supplied as required.

Ladders (slat supports) shall be braided polyester yarn dyed to Levolor color standard. The two vertical components shall be .076" x .038" designed for maximum flexibility combined with minimum stretch and tensile strength of not less than 50 lbs. per cable. Horizontal components (rungs) shall consist of not less than four cables inter-braided with the vertical components. Ladders shall support the slats without visible distortion. Distance between slats shall not exceed 21.5mm (nominally 14.2 slats per vertical foot). Distance between ladders shall not exceed 23" for blinds up to 80" long. For blinds over 80" long, distance between ladders shall not be greater than 22". Distance between end ladder and end of slat shall not exceed 7".

Slats shall be of 5000 series magnesium aluminum alloy only, not to include reprocessed metals. Aluminum alloy shall be tempered to optimize tensile and yield strength for superior slat strength, resiliency, and corrosion resistance. Slats shall be nominally 1" wide and .0075 ± .0003" thick prior to coating; after coating the thickness of the slats shall be nominally .0085". Slats shall have a coating thickness of .8 mil to 1.5 mil. Unperforated slats shall perform to 500 hours of 100% relative humidity testing, 300 hours of 5% salt spray solution at 95 degree F testing, and 250 hours of accelerated weathering testing without blistering, fading, corroding, or adhesive failure. Slat thickness and ladder support distances shall prevent visible sag or bow after continued use indoors.

Bottomrail shall be of .031" thick Tomized steel formed after coating and shall be provided with color compatible molded plastic ladder and end caps having integral protrusions designed to prevent bottom bar from marring window sill and/or mullions.

Lift Cord shall be braided of high strength, 1.4 mm dia. polyester fiber with a high tenacity polyester core, 33 picks per inch, 16 carrier smooth braids, and shall be flexible, have minimum stretch, maximum abrasion resistance characteristics, and a minimum breaking strength of 130 lbs. Cord shall be of sufficient length equalized to properly control raising and lowering of blind and spaced not over 46" between cords.

Color of blind shall be selected from over 50 standard Levolor solid colors or metallic slat finishes.

Options shall include:

Hold Down Brackets

Multiple Blinds on One Headrail

Pivot Plate

Pocket Brackets

Projection Brackets
Restrictive Cam Tilter
Ring Pull
Telescopic or Non-Telescopic Tilter Pole
Top-Lok® Cord Lock
Universal Ring Tilter
Valance

PART III – EXECUTION

3.01 INSPECTION

Window treatment subcontractor shall be responsible for inspection of site, field measurements, and approval of mounting surfaces and installation conditions.

Subcontractor shall verify that site is free of conditions that interfere with blind installation and operation, and shall begin installation only when any unsatisfactory conditions have been rectified.

3.02 INSTALLATION

Installation shall comply with Levolor specifications, standards, and procedures.

Provide support brackets as per Levolor's installation instructions.

See installation instructions packaged with blinds for more installation details.

Provide adequate clearance to permit unencumbered operation of blind and hardware.

Demonstrate blinds to be in uniform and smooth working order.

3.03 CLEANING

Clean soiled blinds with a mild soap solution only. Do not use cleaning methods involving heat, bleach, abrasives, or solvents. Do not use window cleaner or cloths with paper content.

Ensure proper drying following cleaning by providing adequate ventilation.

RIVIERA ® CONTRACT 1" BLIND

Competitively positioned 1" horizontal aluminum window covering for commercial applications.

PART I – GENERAL

1.01 SCOPE

Furnish and install Levolor blinds, provided by Levolor Home Fashions, 4110 Premier Drive, High Point, NC 27265, in accordance with specifications, drawings, and contract documents.

Related work specified elsewhere.

1.02 QUALITY ASSURANCE

Installer's qualifications:

The installer shall be a firm approved by Levolor Home Fashions Contract Division.

The Installer shall be qualified to install the product specified, as demonstrated by prior experience.

Job mock-up: (Describe)

1.03 SUBMITTALS

Product information: Submit Levolor product literature and installation instructions.

Shop drawings: Indicate field-measured dimensions of openings which are to receive blinds, details of mounting surface and sill conditions, and details of corners and conditions between adjacent blinds.

Color samples: Submit a sample of each type and color of material specified.

1.04 DELIVERY, STORAGE, AND HANDLING

Packing and Shipping:

Materials shall be delivered to the Project in Levolor's original unopened packaging with labels intact.

Storage:

Materials shall be stored in a clean area which is free of corrosive fumes, dust, and away from construction activities.

Materials shall be stacked horizontally using plastic or wood shims such that drainage and ventilation are provided for, and such that water cannot accumulate in, about, or upon the containers.

Stacks shall be covered with tarpaulins or plastic such that ventilation is provided for, and such that contaminants are prevented from contacting surfaces.

1.05 PROJECT/SITE CONDITIONS (BEFORE PRODUCT INSTALLATION BEGINS)

Roof must be tight, windows and frames installed and glazed, and interior doors hung.

Wet work including concrete, masonry plaster, stucco, terrazzo, sheetrock, spackling, and taping (including sanding) shall be complete and dry.

Ceilings, window pockets, electrical, and mechanical work above the product shall be complete.

Electrical power (110 volt AC) shall be available for installer's tools within 500 ft. of product installation areas.

1.06 WARRANTY

Lifetime Warranty: Levolor Home Fashions Contract Division shall repair or replace for the life of the blind, at its option, without charge, any part found defective in workmanship or material as long as the blind remains in the same window for which it was purchased.

PART II – PRODUCTS

2.01 MANUFACTURER AND PRODUCT DESCRIPTION

Acceptable product: Riviera Contract 1" (25 mm) blind manufactured by Levolor Home Fashions.

Materials:

Headrail shall be of .025" thick Tomized® steel, "U" shaped, 1" high x 1-9/16" wide with flanged edges at top, and coated with baked-on finish. All hardware shall be enclosed in the metal headrail.

Guardian Tilter™ mechanism shall be of a not less than .031" thick Tomized steel housing with a self-lubricating nylon, automatically disengaging worm and gear mechanism to provide maximum closure, eliminate overdrive, and prevent strain or damage to blind.

Tilt Wand shall be transparent with a hexagonal cross section 5/16" across flats.

Cord Lock shall be of .042" thick Tomized steel and shall be securely attached to headrail. It shall be crash proof with sufficient sensitivity to lock slats at desired height upon release of cords.

Drum and Cradle shall be provided for each ladder.

Drums shall be of .031" Tomized steel providing secure attachment for both ladder ends.

Cradles shall be of .042" thick Tomized steel having two holes with rolled edges to guide cords through bottom of headrail without abrasion. They shall provide bearing support for the tilt rod, thus preventing the weight of the blind from being transferred to the tilter. Cradles shall center drums over the ladder openings.

Tilt Rod shall be U-shaped with a circular radius of approximately .125" designed to achieve minimum torsional deflection. For blinds over 60" wide and under 80" long, or over 55" wide and over 80" long, tilt rod shall be solid D-shaped with an average cross section of .28"

designed to achieve minimum torsional deflection.

End Braces shall be of .037" thick Tomized steel with reinforcing ribs and field adjustable tabs. End braces shall incorporate a field adjustable tab to insure secure installation, center blind in window, and prevent lateral movement.

Installation Brackets shall be of at least .048" thick Tomized steel with baked-on finish to match headrail. The brackets shall incorporate a rivet-hinged safety locking front cover to permit removal of headrail without lateral movement. Mounting holes shall be located to accommodate overhead, side, or face mounting.

Intermediate Brackets shall be of .050" thick Tomized steel and shall be installed with blinds over 60" wide and under 80" long, or over 55" wide and over 80" long. Brackets shall be supplied as required.

Ladders (slat supports) shall be braided polyester yarn dyed to Levolor color standards. The two vertical components shall be .076" x .038" designed for maximum flexibility combined with minimum stretch and tensile strength of not less than 50 lbs. per cable. Horizontal components (rungs) shall consist of not less than two crossed cables inter-braided with the vertical components. Ladders shall support the slats without visible distortion. Distance between slats shall not exceed 21.5mm (nominally 14.2 slats per vertical foot). Distance between ladders shall not exceed 23" for blinds up to 80" long. For blinds over 80" long, distance between ladders shall not be greater than 22". Distance between end ladder and end of slat shall not exceed 7".

Slats shall be of 5000 series magnesium aluminum alloy only, not to include reprocessed metals. Aluminum alloy shall be tempered to optimize tensile and yield strength for superior slat strength, resiliency, and corrosion resistance. Slats shall be nominally 1" wide and .0055 ± .0003" thick (prior to coating); after coating the thickness of the slats shall be nominally .0060". Slats shall have a coating thickness of .8 mil to 1.5 mil. Unperforated slats shall perform to 500 hours of 100% relative humidity testing, 300 hours of 5% salt spray solution at 95 degree F testing, and 250 hours of accelerated weathering testing without blistering, fading, corroding, or adhesive failure. Slat thickness and ladder support distances shall prevent visible sag or bow after continued use indoors.

Bottomrail shall be of .031" thick Tomized steel formed after coating and shall be provided with color compatible molded plastic ladder and end caps having integral protrusions designed to prevent bottom bar from marring window sill and/or mullions.

Lift Cord shall be braided of high strength, 1.4 mm dia. polyester fiber with a high tenacity polyester core, 34 picks per inch, 16 carrier smooth braids, and shall be flexible, have minimum stretch, maximum abrasion resistance characteristics, and a minimum breaking strength of 130 lbs. Cord shall be of sufficient length equalized to properly control raising and lowering of blind and spaced not over 46" between cords.

Options shall include:

Cord Tilter

Cutouts

Definition™ Edging

Extension Plates
Fixed Height Lift Cord
Hold Down Brackets
Invisible Installation Brackets
Multiple Blinds on One Headrail
Multi-Colored Striping
Pivot Plate
Pocket Brackets
Projection Brackets
Restrictive Cam Tilter
Ring Pull
Telescopic or Non-Telescopic Tilter Pole
Top-Lok® Cord Lock
Universal Ring Tilter
Valance

PART III – EXECUTION

3.01 INSPECTION

Window treatment subcontractor shall be responsible for inspection of site, field measurements, and approval of mounting surfaces and installation conditions.

Subcontractor shall verify that site is free of conditions that interfere with blind installation and operation, and shall begin installation only when any unsatisfactory conditions have been rectified.

3.02 INSTALLATION

Installation shall comply with Levolor specifications, standards, and procedures.

Provide support brackets as per Levolor's installation instructions.

See installation instructions packaged with blinds for more installation details.

Provide adequate clearance to permit unencumbered operation of blind and hardware.

Demonstrate blinds to be in uniform and smooth working order.

3.03 CLEANING

Clean soiled blinds with a mild soap solution only. Do not use cleaning methods involving heat, bleach,

abrasives, or solvents. Do not use window cleaner or cloths with paper content.

Ensure proper drying following cleaning by providing adequate ventilation.

RIVIERA ® DUSTGUARD 1" BLIND

Top quality 1" horizontal aluminum window covering for commercial applications.

PART I – GENERAL

1.01 SCOPE

Furnish and install Levolor blinds, provided by Levolor, 7614 Business Park Drive, Greensboro, NC 27409, in accordance with specifications, drawings, and contract documents.

Related work specified elsewhere.

1.02 QUALITY ASSURANCE

Installer's qualifications:

The installer shall be a firm approved by Levolor.

The Installer shall be qualified to install the product specified, as demonstrated by prior experience. Incorrect installation may void warranty.

1.03 SUBMITTALS

Product information: Submit Levolor's product literature and installation instructions.

Shop drawings: Indicate field-measured dimensions of openings which are to receive blinds, details of mounting surface and sill conditions, and details of corners and conditions between adjacent blinds.

Color samples: Submit a sample of each type and color of material specified.

1.04 DELIVERY, STORAGE, AND HANDLING

Packing and Shipping:

Materials shall be delivered to the Project in Levolor's original unopened packaging with labels intact.

Storage:

Materials shall be stored in a clean area which is free of corrosive fumes, dust, and away from construction activities.

Materials shall be stacked horizontally using plastic or wood shims such that drainage and ventilation are provided for, and such that water cannot accumulate in, about, or upon the containers.

Stacks shall be covered with tarpaulins or plastic such that ventilation is provided for, and such that contaminants are prevented from contacting surfaces.

1.05 PROJECT/SITE CONDITIONS (BEFORE PRODUCT INSTALLATION BEGINS)

Roof must be tight, windows and frames installed and glazed, and interior doors hung.

Wet work including concrete, masonry plaster, stucco, terrazzo, sheetrock, spackling, and taping (including sanding) shall be complete and dry.

Ceilings, window pockets, electrical, and mechanical work above the product shall be complete.

Electrical power (110 volt AC) shall be available for installer's tools within 500 ft. of product installation areas.

1.06 WARRANTY

Forever Never Worry™ Warranty: Levolor shall repair or replace for the life of the blind, at its option, without charge, any part found defective in workmanship or material as long as the blind remains in the same window for which it was purchased.

PART II – PRODUCTS

2.01 MANUFACTURER AND PRODUCT DESCRIPTION

Acceptable product: Riviera DustGuard 1" (25 mm) blind manufactured by Levolor.

Materials:

Headrail shall be of .025" thick Tomized® steel, "U" shaped, 1" high x 1-9/16" wide with flanged edges at top, and coated with baked-on finish. All hardware shall be enclosed in the metal headrail.

Guardian Tilter™ mechanism shall be of a .042" thick Tomized steel housing with a self-lubricating nylon, automatically disengaging worm and gear mechanism to provide maximum closure, eliminate overdrive, and prevent strain or damage to blind.

Tilt Wand shall be transparent with a hexagonal cross section 5/16" across flats.

Cord Lock shall be of .042" thick Tomized steel and shall be securely attached to headrail. It shall be crash proof with sufficient sensitivity to lock slats at desired height upon release of cords.

Drum and Cradle shall be provided for each ladder.

Drums shall be of .031" thick Tomized steel having two holes with rolled edges to anchor barbs of both ladder ends.

Cradles shall be of .042" thick Tomized steel having two holes with rolled edges to guide cords through bottom of headrail without abrasion. They shall provide bearing support for the tilt rod, thus preventing the weight of the blind from being transferred to the tilter. Cradles shall center drums over the ladder openings.

Tilt Rod shall be U-shaped with a circular radius of approximately .125" designed to achieve minimum torsional deflection. For blinds over 60" wide and under 80" long, or over 55" wide and over 80" long, tilt rod shall be solid D-shaped with an average cross section of .28" designed to achieve minimum torsional deflection.

End Braces shall be of .037" thick Tomized steel with reinforcing ribs and field adjustable tabs.

End braces shall incorporate a field adjustable tab to insure secure installation, center blind in window, and prevent lateral movement.

Installation Brackets shall be of at least .048" thick Tomized steel with baked-on finish to match headrail. The brackets shall incorporate a rivet-hinged safety locking front cover to permit removal of headrail without lateral movement. Mounting holes shall be located to accommodate overhead, side, or face mounting.

Intermediate Brackets shall be of .050" thick Tomized steel and shall be installed with blinds over 60" wide and under 80" long, or over 55" wide and over 80" long. Brackets shall be supplied as required.

Ladders (slat supports) shall be braided polyester yarn dyed to Levolor color standards. The two vertical components shall be .076" x .038" designed for maximum flexibility combined with minimum stretch and tensile strength of not less than 50 lbs. per cable. Horizontal components (rungs) shall consist of not less than two crossed cables inter-braided with the vertical components. Ladders shall support the slats without visible distortion. Distance between slats shall not exceed 19.6 mm (nominally 15.7 slats per vertical foot). Distance between ladders shall not exceed 23" for blinds up to 80" long. For blinds over 80" long, distance between ladders shall not be greater than 22". Distance between end ladder and end of slat shall not exceed 7".

Slats shall be of 5000 series magnesium aluminum alloy only, not to include reprocessed metals. Aluminum alloy shall be tempered to optimize tensile and yield strength for superior slat strength, resiliency, and corrosion resistance. Slats shall be nominally 1" wide and .0075 ± .0003" thick (prior to coating); after coating the thickness of the slats shall be nominally .0085". Slats shall have a baked-on coating thickness of .8 mil to 1.5 mil. Unperforated slats shall perform to 500 hours of 100% relative humidity testing, 300 hours of 5% salt spray solution at 95 degree F testing, and 250 hours of accelerated weathering testing without blistering, fading, corroding, or adhesive failure. Slat thickness and ladder support distances shall prevent visible sag or bow after continued use indoors.

DustGuard feature is a permanent, patent pending paint process that disrupts the natural static attraction of airborne dust particles, reducing dust build up by 50–70 percent. (NOTE: Certain Riviera finishes may not be available with the DustGuard feature. Please confirm selection with DustGuard color list.)

Slats shall be (select one):

Unperforated.

Pinlight Magic® – Slats shall be perforated with a pattern of randomly spaced .039" diameter holes, nominally 13 per inch of slat length. Slats shall have an openness factor of 1.5%.

SheerView™ Perforated – Slats shall be perforated with a staggered pattern of .020" diameter holes, nominally 177 per inch of slat length. Slats shall have an openness factor of 6%.

Bottomrail shall be of .031" thick Tomized steel formed after coating and shall be provided with color compatible molded plastic ladder and end caps having integral protrusions designed to prevent bottom bar from marring window sill and/or mullions.

Lift Cord shall be braided of high strength, 1.4 mm dia. polyester fiber with a high tenacity polyester core, 34 picks per inch, 16 carrier smooth braids, and shall be flexible, have minimum stretch, maximum abrasion resistance characteristics, and a minimum breaking strength of 130 lbs. Cord shall be of sufficient length equalized to properly control raising and lowering of blind and spaced not over 46" between cords.

Color of blind shall be selected from over 190 Riviera standard solid colors, Tiltone™ colors, specialties, or standard metallic slat finishes and complementary standard accessory finishes. DustGuard feature is not available on all colors.

Options shall include:

- Cord Tilter
- Cutouts
- Definition™ Edging
- Extension Plates
- Fixed Height Lift Cord
- Hold Down Brackets
- Invisible Installation Brackets
- Motorized Tilt
- Multiple Blinds on One Headrail
- Multi-Colored Striping
- Pivot Plate
- Pocket Brackets
- Projection Brackets
- Restrictive Cam Tilter
- Ring Pull
- Specialty Shapes
- Telescopic or Non-Telescopic Tilter Pole
- Top-Lok® Cord Lock
- Universal Ring Tilter
- Valance
- Vogue® Valance

PART III – EXECUTION

3.01 INSPECTION

Window treatment subcontractor shall be responsible for inspection of site, field measurements, and approval of mounting surfaces and installation conditions.

Subcontractor shall verify that site is free of conditions that interfere with blind installation and operation, and shall begin installation only when any unsatisfactory conditions have been rectified.

3.02 INSTALLATION

Installation shall comply with Levolor specifications, standards, and procedures.

Provide support brackets as per Levolor's installation instructions.

See installation instructions packaged with blinds for more installation details.

Provide adequate clearance to permit unencumbered operation of blind and hardware.

Demonstrate blinds to be in uniform and smooth working order.

3.03 CLEANING

Clean soiled blinds with a mild soap solution only. Do not use cleaning methods involving heat, bleach, abrasives, or solvents. Do not use window cleaner or cloths with paper content.

Ensure proper drying following cleaning by providing adequate ventilation.

RIVIERA ® DUSTGUARD™ 1 3/8" BLIND

Top quality 1 3/8" horizontal aluminum window covering for commercial office applications.

PART I – GENERAL

1.01 SCOPE

Furnish and install Levolor blinds, provided by Levolor, 7614 Business Park Drive, Greensboro, NC 27409, in accordance with specifications, drawings, and contract documents.

Related work specified elsewhere.

1.02 QUALITY ASSURANCE

Installer's qualifications:

The installer shall be a firm approved by Levolor.

The Installer shall be qualified to install the product specified, as demonstrated by prior experience. Incorrect installation may void warranty.

1.03 SUBMITTALS

Product information: Submit Levolor's product literature and installation instructions.

Shop drawings: Indicate field-measured dimensions of openings which are to receive blinds, details of mounting surface and sill conditions, and details of corners and conditions between adjacent blinds.

Color samples: Submit a sample of each type and color of material specified.

1.04 DELIVERY, STORAGE, AND HANDLING

Packing and Shipping:

Materials shall be delivered to the Project in Levolor's original unopened packaging with labels intact.

Storage:

Materials shall be stored in a clean area which is free of corrosive fumes, dust, and away from construction activities.

Materials shall be stacked horizontally using plastic or wood shims such that drainage and ventilation are provided for, and such that water cannot accumulate in, about, or upon the containers.

Stacks shall be covered with tarpaulins or plastic such that ventilation is provided for, and such that contaminants are prevented from contacting surfaces.

1.05 PROJECT/SITE CONDITIONS (BEFORE PRODUCT INSTALLATION BEGINS)

Roof must be tight, windows and frames installed and glazed, and interior doors hung.

Wet work including concrete, masonry plaster, stucco, terrazzo, sheetrock, spackling, and taping (including sanding) shall be complete and dry.

Ceilings, window pockets, electrical, and mechanical work above the product shall be complete.

Electrical power (110 volt AC) shall be available for installer's tools within 500 ft. of product installation areas.

1.06 WARRANTY

Forever Never Worry™ Warranty: Levolor shall repair or replace for the life of the blind, at its option, without charge, any part found defective in workmanship or material as long as the blind remains in the same window for which it was purchased.

PART II – PRODUCTS

2.01 MANUFACTURER AND PRODUCT DESCRIPTION

Acceptable product: Riviera DustGuard 1-3/8" (35 mm) blind manufactured by Levolor.

Materials:

Headrail shall be of .025" thick Tomized® steel, "U" shaped, 1" high x 1-9/16" wide with flanged edges at top, and coated with a baked-on finish. All hardware shall be enclosed in the metal headrail.

Guardian Tilter™ mechanism shall be of a .042" thick Tomized steel housing with a self-lubricating nylon, automatically disengaging worm and gear mechanism to provide maximum closure, eliminate overdrive, and prevent strain or damage to blind.

Tilt Wand shall be transparent with a hexagonal cross section approximately 5/16" across flats.

Cord Lock shall be of .042" thick Tomized steel and shall be securely attached to headrail. It shall be crashproof with sufficient sensitivity to lock slats at desired height upon release of cords.

Drum and Cradle shall be provided for each ladder.

Drums shall be of .031" thick Tomized steel having two holes with rolled edges to anchor barbs of both ladder ends.

Cradles shall be of .042" thick Tomized steel having two holes with rolled edges to guide cords through bottom of headrail without abrasion. They shall provide bearing support for the tilt rod, thus preventing the weight of the blind from being transferred to the tilter. Cradles shall center drums over the ladder openings.

Tilt Rod shall be U-shaped with a circular radius of approximately .125" designed to achieve minimum torsional deflection. For blinds 69 -1/8" wide and over, tilt rod shall be solid D-shaped with an average cross section of .28" designed to achieve minimum torsional deflection.

End Braces shall be of .037" thick Tomized steel with reinforcing ribs and field adjustable tabs.

End braces shall incorporate a field adjustable tab to insure secure installation, center blind in window, and prevent lateral movement.

Installation Brackets shall be of at least .048" thick Tomized steel with baked-on finish to match headrail. The brackets shall incorporate a rivet-hinged safety locking front cover to permit removal of headrail without lateral movement. Mounting holes shall be located to accommodate overhead, side, or face mounting.

Intermediate Brackets shall be of .050" thick Tomized steel and shall be installed with blinds over 41" wide. Brackets shall be provided as required.

Ladders (slat supports) shall be braided polyester yarn dyed to Levolor color standards. The two vertical components shall be .072" x .038" designed for maximum flexibility combined with minimum stretch and tensile strength of not less than 49lbs. per cable. Horizontal components (rungs) shall consist of not less than two crossed cables inter-braided with the vertical components. Ladders shall support the slats without visible distortion. Distance between slats shall not exceed 27.7 mm (nominally 11 slats per vertical foot). Distance between ladders shall not exceed 28". Distance between end ladder and end of slat shall not exceed 7".

Slats shall be of 5000 series magnesium aluminum alloy only, not to include reprocessed metals. Aluminum alloy shall be tempered to optimize tensile and yield strength for superior slat strength, resiliency, and corrosion resistance. Slats shall be nominally $1.375 \pm .0003$ " wide and $.0075 \pm .0003$ " thick (prior to coating); after coating the thickness of the slats shall be nominally .0090". Slats shall have a baked-on coating thickness of 1.2 mil to 1.5 mil. Unperforated slats shall perform to 500 hours of 100% relative humidity testing, 300 hours of 5% salt spray solution at 95 degree F testing, and 250 hours of accelerated weathering testing without blistering, fading, corroding, or adhesive failure. Slat thickness and ladder support distances shall prevent visible sag or bow after continued use indoors.

DustGuard feature is a permanent, patent pending paint process that disrupts the natural static attraction of airborne dust particles, reducing dust build up by 50–70 percent. (NOTE: Certain Riviera finishes may not be available with the DustGuard feature. Please confirm selection with DustGuard color list.)

Slats shall be (select one):

Unperforated.

Pinlight Magic® – Slats shall be perforated with a pattern of randomly spaced .039" diameter holes, nominally 13 per inch of slat length. Slats shall have an openness factor of 1.5%.

Bottomrail shall be of .025" thick Tomized steel formed after coating and shall be provided with molded plastic ladder and end caps to prevent bottom bar from marring window sill and/or mullions.

Lift Cord shall be braided of high strength, 1.4 mm dia. polyester fiber with a high tenacity polyester core, 34 picks per inch, 16 carrier smooth braids, and shall be flexible, have minimum stretch, maximum abrasion resistance characteristics, and a minimum breaking strength of 130 lbs. Cord shall be of sufficient length equalized to properly control raising and lowering of blind and spaced not over 38" between cords.

Color of blind shall be selected from over 90 Riviera standard solid colors, specialties, or standard metallic slat finishes and complementary standard accessory finishes. DustGuard feature is not available on all colors.

Options shall include:

- Cord Tilter
- Cutouts
- Extension Plates
- Fixed Height Lift Cord
- Hold Down Brackets
- Invisible Installation Brackets
- Multiple Blinds on One Headrail
- Multi-Colored Striping
- Pivot Plate
- Pocket Brackets
- Projection Brackets
- Restrictive Cam Tilter
- Ring Pull
- Telescopic or Non-Telescopic Tilter Pole
- Top-Lok® Cord Lock
- Universal Ring Tilter
- Vogue® Valance
- Vogue Valance with Dust Cover

PART III – EXECUTION

3.01 INSPECTION

Window treatment subcontractor shall be responsible for inspection of site, field measurements, and approval of mounting surfaces and installation conditions.

Subcontractor shall verify that site is free of conditions that interfere with blind installation and operation, and shall begin installation only when any unsatisfactory conditions have been rectified.

3.02 INSTALLATION

Installation shall comply with Levolor specifications, standards, and procedures.

Provide support brackets as per Levolor's installation instructions.

See installation instructions packaged with blinds for more installation details.

Provide adequate clearance to permit unencumbered operation of blind and hardware.

Demonstrate blinds to be in uniform and smooth working order.

3.03 CLEANING

Clean soiled blinds with a mild soap solution only. Do not use cleaning methods involving heat, bleach, abrasives, or solvents. Do not use window cleaner or cloths with paper content.

Ensure proper drying following cleaning by providing adequate ventilation.

RIVIERA ® DUSTGUARD™ 1/2" BLIND

Top quality 1/2" horizontal aluminum window covering for commercial applications.

PART I – GENERAL

1.01 SCOPE

Furnish and install Levolor blinds, provided by Levolor, 7614 Business Park Drive, Greensboro, NC 27409, in accordance with specifications, drawings, and contract documents.

Related work specified elsewhere.

1.02 QUALITY ASSURANCE

Installer's qualifications:

The installer shall be a firm approved by Levolor.

The Installer shall be qualified to install the product specified, as demonstrated by prior experience. Incorrect installation may void warranty.

1.03 SUBMITTALS

Product information: Submit Levolor's product literature and installation instructions.

Shop drawings: Indicate field-measured dimensions of openings which are to receive blinds, details of mounting surface and sill conditions, and details of corners and conditions between adjacent blinds.

Color samples: Submit a sample of each type and color of material specified.

1.04 DELIVERY, STORAGE, AND HANDLING

Packing and Shipping:

Materials shall be delivered to the Project in Levolor's original unopened packaging with labels intact.

Storage:

Materials shall be stored in a clean area which is free of corrosive fumes, dust, and away from construction activities.

Materials shall be stacked horizontally using plastic or wood shims such that drainage and ventilation are provided for, and such that water cannot accumulate in, about, or upon the containers.

Stacks shall be covered with tarpaulins or plastic such that ventilation is provided for, and such that contaminants are prevented from contacting surfaces.

1.05 PROJECT/SITE CONDITIONS (BEFORE PRODUCT INSTALLATION BEGINS)

Roof must be tight, windows and frames installed and glazed, and interior doors hung.

Wet work including concrete, masonry plaster, stucco, terrazzo, sheetrock, spackling, and taping (including sanding) shall be complete and dry.

Ceilings, window pockets, electrical, and mechanical work above the product shall be complete.

Electrical power (110 volt AC) shall be available for installer's tools within 500 ft. of product installation areas.

1.06 WARRANTY

Forever Never Worry™ Warranty: Levolor shall repair or replace for the life of the blind, at its option, without charge, any part found defective in workmanship or material as long as the blind remains in the same window for which it was purchased.

PART II – PRODUCTS

2.01 MANUFACTURER AND PRODUCT DESCRIPTION

Acceptable product: Riviera DustGuard 1/2" (15 mm) blind manufactured by Levolor.

Materials:

Headrail shall be of .025" thick Tomized® steel, "U" shaped, 3/4" high x 1-3/16" wide with flanged edges at top, and coated with a baked-on finish. All hardware shall be enclosed in the metal headrail.

Guardian Tilter™ mechanism shall be of a .031" thick Tomized steel housing with a self-lubricating nylon, automatically disengaging worm and gear mechanism to provide maximum closure, eliminate overdrive, and prevent strain or damage to blind.

Tilt Wand shall be transparent with a round fluted cross section approximately 5/16" in diameter with 12 grooves for nonslip grip.

Cord Lock shall be of .025" thick Tomized steel and shall be securely attached to headrail. It shall be crashproof with sufficient sensitivity to lock slats at desired height upon release of cords.

Drum and Cradle shall be provided for each ladder.

Drums shall be of .031" thick Tomized steel having two holes with rolled edges to anchor barbs of both ladder ends.

Cradles shall be of .025" thick Tomized steel having two holes with rolled edges to guide cords through bottom of headrail without abrasion. They shall provide bearing support for the tilt rod, thus preventing the weight of the blind from being transferred to the tilter. Cradles shall center drums over the ladder openings.

Tilt Rod shall be D-shaped with an average cross section of 0.28" designed to achieve minimum torsional deflection.

End Braces shall be of .025" minimum to .031" maximum Tomized steel with reinforcing ribs and field adjustable tabs. End braces shall incorporate a field adjustable tab to insure

secure installation, center blind in window, and prevent lateral movement.

Installation Brackets shall be of at least .042" thick Tomized steel with baked-on finish to match headrail. The brackets shall incorporate a rivet-hinged safety locking front cover to permit removal of headrail without lateral movement. Mounting holes shall be located to accommodate overhead, side, or face mounting.

Intermediate Brackets shall be of .050" thick Tomized steel and shall be supplies as required.

Ladders (slat supports) shall be braided polyester yarn dyed to Levolor color standards. The two vertical components shall be .048" x .025" designed for maximum flexibility combined with minimum stretch and tensile strength of not less than 25 lbs. per cable. Horizontal components (rungs) shall consist of not less than two crossed cables inter-braided with the vertical components. Ladders shall support the slats without visible distortion. Distance between slats shall not exceed 11.73 mm (nominally 26 slats per vertical foot). Distance between ladders shall not exceed 12". Distance between end ladder and end of slat shall not exceed 4.5".

Slats shall be of 5000 series magnesium aluminum alloy only, not to include reprocessed metals. Aluminum alloy shall be tempered to optimize tensile and yield strength for superior slat strength, resiliency, and corrosion resistance. Slats shall be nominally .590 ± .0005" wide and .0080 ± .0003" thick (prior to coating); after coating the thickness of the slats shall be nominally .0095". Slats shall have a baked-on coating thickness of 1.2 mil to 1.5 mil. Unperforated slats shall perform to 500 hours of 100% relative humidity testing, 300 hours of 5% salt spray solution at 95 degree F testing, and 250 hours of accelerated weathering testing without blistering, fading, corroding, or adhesive failure. Slat thickness and ladder support distances shall prevent visible sag or bow after continued use indoors.

DustGuard feature is a permanent, patent pending paint process that disrupts the natural static attraction of airborne dust particles, reducing dust build up by 50–70 percent. (NOTE: Certain Riviera finishes may not be available with the DustGuard feature. Please confirm selection with DustGuard color list.)

Bottomrail shall be of .031" thick Tomized steel formed after coating and shall be provided with color compatible molded plastic ladder and end caps to prevent bottom bar from marring window sill and/or mullions.

Lift Cord shall be braided of high strength, 1.4 mm dia. polyester fiber with a high tenacity polyester core, 34 picks per inch, 16 carrier smooth braids, and shall be flexible, have minimum stretch, maximum abrasion resistance characteristics, and a minimum breaking strength of 130 lbs. Cord shall be of sufficient length equalized to properly control raising and lowering of blind and spaced not over 36" between cords.

Color of blind shall be selected from over 100 Riviera standard solid colors, specialties, or standard metallic slat finishes and complementary standard accessory finishes. DustGuard feature is not available on all colors.

Options shall include:

Cutouts

Fixed Height Lift Cord

Hold Down Brackets
Multiple Blinds on One Headrail
Multi-Colored Striping
Pivot Plate
Pocket Brackets
Projection Brackets
Restrictive Cam Tilter
Ring Pull
Telescopic or Non-Telescopic Tilter Pole
Top-Lok® Cord Lock
Universal Ring Tilter
Vogue® Valance
Vogue Valance with Dust Cover

PART III – EXECUTION

3.01 INSPECTION

Window treatment subcontractor shall be responsible for inspection of site, field measurements, and approval of mounting surfaces and installation conditions.

Subcontractor shall verify that site is free of conditions that interfere with blind installation and operation, and shall begin installation only when any unsatisfactory conditions have been rectified.

3.02 INSTALLATION

Installation shall comply with Levolor specifications, standards, and procedures.

Provide support brackets as per Levolor's installation instructions.

See installation instructions packaged with blinds for more installation details.

Provide adequate clearance to permit unencumbered operation of blind and hardware.

Demonstrate blinds to be in uniform and smooth working order.

3.03 CLEANING

Clean soiled blinds with a mild soap solution only. Do not use cleaning methods involving heat, bleach, abrasives, or solvents. Do not use window cleaner or cloths with paper content.

Ensure proper drying following cleaning by providing adequate ventilation.

RIVIERA ® DUSTGUARD™ 2" BLIND

Top quality 2" horizontal aluminum window covering for commercial applications.

PART I – GENERAL

1.01 SCOPE

Furnish and install Levolor blinds, provided by Levolor, 7614 Business Park Drive, Greensboro, NC 27409, in accordance with specifications, drawings, and contract documents.

Related work specified elsewhere.

1.02 QUALITY ASSURANCE

Installer's qualifications:

The installer shall be a firm approved by Levolor.

The Installer shall be qualified to install the product specified, as demonstrated by prior experience. Incorrect installation may void warranty.

1.03 SUBMITTALS

Product information: Submit Levolor's product literature and installation instructions.

Shop drawings: Indicate field-measured dimensions of openings which are to receive blinds, details of mounting surface and sill conditions, and details of corners and conditions between adjacent blinds.

Color samples: Submit a sample of each type and color of material specified.

1.04 DELIVERY, STORAGE, AND HANDLING

Packing and Shipping:

Materials shall be delivered to the Project in Levolor's original unopened packaging with labels intact.

Storage:

Materials shall be stored in a clean area which is free of corrosive fumes, dust, and away from construction activities.

Materials shall be stacked horizontally using plastic or wood shims such that drainage and ventilation are provided for, and such that water cannot accumulate in, about, or upon the containers.

Stacks shall be covered with tarpaulins or plastic such that ventilation is provided for, and such that contaminants are prevented from contacting surfaces.

1.05 PROJECT/SITE CONDITIONS (BEFORE PRODUCT INSTALLATION BEGINS)

Roof must be tight, windows and frames installed and glazed, and interior doors hung.

Wet work including concrete, masonry plaster, stucco, terrazzo, sheetrock, spackling, and taping (including sanding) shall be complete and dry.

Ceilings, window pockets, electrical, and mechanical work above the product shall be complete.

Electrical power (110 volt AC) shall be available for installer's tools within 500 ft. of product installation areas.

1.06 WARRANTY

Forever Never Worry™ Warranty: Levolor shall repair or replace for the life of the blind, at its option, without charge, any part found defective in workmanship or material as long as the blind remains in the same window for which it was purchased.

PART II – PRODUCTS

2.01 MANUFACTURER AND PRODUCT DESCRIPTION

Acceptable product: Riviera DustGuard 2" (50 mm) blind manufactured by Levolor.

Materials:

Headrail shall be of .025" thick Tomized® steel, "U" shaped, 2-5/16" high x 2-1/4" wide with flanged edges at top, and coated with a baked-on finish. All hardware shall be enclosed in the metal headrail.

Cord Tilter: For manual tilt with cord, tilter shall be .050" thick Tomized steel, with a gear and pulley mechanism to tilt slats to desired angle. The pulley shall have internal ribs to increase cord traction, and an integral brass worm to positively engage gear. Cord fabric to be dyed to Levolor color standard, have a minimum breaking strength of 175 lbs., and be of sufficient length equalized to properly control tilt of blind. Cord shall be fitted with two limiting beads to synchronize slat angle.

Cord Lock shall be of .042" thick Tomized steel and shall be securely attached to headrail. It shall be crashproof with sufficient sensitivity to lock slats at desired height upon release of cords, or by swinging cords toward jamb while lowering slats. A revolving serrated cam shall gently snub all cords to hold the raised slats level at the desired height, increasing its grip for heavier loads..

Drum and Cradle shall be provided for each ladder.

Drums shall be of .031" thick Tomized steel having two holes with rolled edges to anchor barbs of both ladder ends.

Cradles shall be of .042" thick Tomized steel having two holes with rolled edges to guide cords through bottom of headrail without abrasion. They shall provide bearing support for the tilt rod, thus preventing the weight of the blind from being transferred to the tilter. Cradles shall center drums over the ladder openings.

Tilt Rod shall be D-shaped Tomized steel rod with an average cross section of .28" designed to achieve minimum torsional deflection.

End Braces shall be of .042" thick Tomized steel with reinforcing ribs positively fastened to both ends of headrail. End braces shall incorporate a field adjustable tab to insure secure installation, center blind in window, and prevent lateral movement.

Top Brace shall be of 0.25" thick Tomized steel and shall be attached to headrail for added rigidity.

Installation Brackets shall be of at least .050" thick Tomized steel with baked-on finish to match headrail. The brackets shall incorporate a rivet-hinged safety locking front cover to permit removal of headrail without lateral movement. Mounting holes shall be located to accommodate overhead, side, or face mounting.

Intermediate Brackets shall be installed with blinds over 86" wide. Brackets shall be U-shaped, .062" Tomized steel, with retainer fingers and mounting holes for overhead or face mounting. They shall be evenly spaced at maximum 72" apart. Brackets shall be supplied as required.

Ladders (slat supports) shall be braided polyester yarn dyed to Levolor color standards. The two vertical components shall be .080" x .063" designed for maximum flexibility combined with minimum stretch and tensile strength of not less than 70 lbs. per cable. Horizontal components (rungs) shall consist of not less than four cables inter-braided with the vertical components. Ladders shall support the slats without visible distortion. Distance between slats shall not exceed 44 mm (nominally 6.9slats per vertical foot). Distance between ladders shall not exceed 36". Distance between end ladder and end of slat shall not exceed 7".

Slats shall be of 5000 series magnesium aluminum alloy only, not to include reprocessed metals. Aluminum alloy shall be tempered to optimize tensile and yield strength for superior slat strength, resiliency, and corrosion resistance. Slats shall be nominally 2" wide and .0100 ± .0003" thick prior to coating; after coating the thickness of the slats shall be nominally .0113". Slats shall have a baked-on coating thickness of 1.0 mil to 1.5 mil. Slats shall perform to 500 hours of 100% relative humidity testing, 300 hours of 5% salt spray solution at 95 degree F testing, and 250 hours of accelerated weathering testing without blistering, fading, corroding, or adhesive failure. Slat thickness and ladder support distances shall prevent visible sag or bow after continued use indoors.

DustGuard feature is a permanent, patent pending paint process that disrupts the natural static attraction of airborne dust particles, reducing dust build up by 50–70 percent. (NOTE: Certain Riviera finishes may not be available with the DustGuard feature. Please confirm selection with DustGuard color list.)

Slats shall be (select one):

Unperforated.

Pinlight Magic® – Slats shall be perforated with a pattern of randomly spaced .039" diameter holes, nominally 13 per inch of slat length. Slats shall have an openness factor of 1.5%.

Bottomrail shall be of .025" thick Tomized steel formed after coating. Bottomrail shall have two 1/2" parallel ribs running lengthwise to impart rigidity, and shall enclose ends of ladders, Color compatible molded plastic end caps shall protect window jamb and sill.

Tilt Wand shall be transparent with a hexagonal cross section 5/16" across flats.

Color of blind shall be selected from over 50 standard Levolor slat finishes and complementary standard accessory finishes. DustGuard feature is not available on all colors.

Options shall include:

Plastic Tapes: Plastic tapes shall be 1-1/2" wide of woven stabilized base fabric with integral vinyl plastic coating and shall have a low gloss finish to Levolor color standard. Vinyl plastic tape rungs shall be pliable, fungus resistant, and shall be permanently attached to vertical components. Distance between tape centers shall not exceed 36". Distance between center of end tape to end of slat shall not exceed 7", unless otherwise specified for special job condition. Rung spacing shall be approximately 1-3/4" o.c.

Fabric Tapes: Woven cotton twill tapes shall be 1-1/2" wide and dyed to Levolor color standard. Fabric rungs shall be permanently sewn to vertical components. Distance between tape centers shall not exceed 36". Distance between center of end tape to end of slat shall not exceed 7", unless otherwise specified for special job condition. Rung spacing shall be approximately 1-1/2" o.c.

Lift Cord shall be braided of high strength, 1.8 mm dia. polyester fiber with a high tenacity polyester core, 26 picks per inch, 16 carrier smooth braids, and shall be flexible, have minimum stretch, maximum abrasion resistance characteristics, and a minimum breaking strength of 175 lbs. Cord shall be of sufficient length equalized to properly control raising and lowering of blind and spaced not over 72" between cords.

Cutouts

Extension Plates

Fixed Height Lift Cord

Hold Down Brackets

Multiple Blinds on One Headrail

Multi-Colored Striping

Pocket Brackets

Projection Brackets

Restrictive Cam Tilter

Ring Pull

Telescopic or Non-Telescopic Tilter Pole

Universal Ring Tilter

PART III – EXECUTION

3.01 INSPECTION

Window treatment subcontractor shall be responsible for inspection of site, field measurements, and approval of mounting surfaces and installation conditions.

Subcontractor shall verify that site is free of conditions that interfere with blind installation and operation, and shall begin installation only when any unsatisfactory conditions have been rectified.

3.02 INSTALLATION

Installation shall comply with Levolor specifications, standards, and procedures.

Provide support brackets as per Levolor's installation instructions.

See installation instructions packaged with blinds for more installation details.

Provide adequate clearance to permit unencumbered operation of blind and hardware.

Demonstrate blinds to be in uniform and smooth working order.

3.03 CLEANING

Clean soiled blinds with a mild soap solution only. Do not use cleaning methods involving heat, bleach, abrasives, or solvents. Do not use window cleaner or cloths with paper content.

Ensure proper drying following cleaning by providing adequate ventilation.

CUSTOM 1" WOOD BLIND

The designer's choice for elegant, traditional window treatments.

PART I – GENERAL

1.01 SCOPE

Furnish and install Levolor blinds, provided by Levolor Home Fashions, 4110 Premier Drive, High Point, NC 27265, in accordance with specifications, drawings, and contract documents.

Related work specified elsewhere.

1.02 QUALITY ASSURANCE

Installer's qualifications:

The installer shall be a firm approved by Levolor Home Fashions Contract Division.

The Installer shall be qualified to install the product specified, as demonstrated by prior experience.

Job mock-up: (Describe)

1.03 SUBMITTALS

Product information: Submit Levolor product literature and installation instructions.

Shop drawings: Indicate field-measured dimensions of openings which are to receive blinds, details of mounting surface and sill conditions, and details of corners and conditions between adjacent blinds.

Color samples: Submit a sample of each type and color of material specified.

1.04 DELIVERY, STORAGE, AND HANDLING

Packing and Shipping:

Materials shall be delivered to the Project in Levolor's original unopened packaging with labels intact.

Storage:

Materials shall be stored in a clean area which is free of corrosive fumes, dust, and away from construction activities.

Materials shall be stacked horizontally using plastic or wood shims such that drainage and ventilation are provided for, and such that water cannot accumulate in, about, or upon the containers.

Stacks shall be covered with tarpaulins or plastic such that ventilation is provided for, and such that contaminants are prevented from contacting surfaces.

1.05 PROJECT/SITE CONDITIONS (BEFORE PRODUCT INSTALLATION BEGINS)

Roof must be tight, windows and frames installed and glazed, and interior doors hung.

Wet work including concrete, masonry, plaster, stucco, terrazzo, sheetrock, spackling, and taping (including sanding) shall be complete and dry.

Ceilings, window pockets, electrical, and mechanical work above the product shall be complete.

Electrical power (110 volt AC) shall be available for installer's tools within 500 ft. of product installation areas.

1.06 WARRANTY

One Year Limited Warranty: Levolor Home Fashions Contract division shall repair or replace for one year from the date of purchase of the blind, at its option, without charge, any part found defective in workmanship or material as long as the blind remains in the same window for which it was purchased.

PART II – PRODUCTS

2.01 MANUFACTURER AND PRODUCT DESCRIPTION

Acceptable product: Custom 1" Wood Blind manufactured by Levolor Home Fashions.

Materials:

Headrail shall be of .025" thick Tomized® steel, "U" shaped, 1" high x 1 9/16" wide with flanged edges at top, and coated with baked on finish. All hardware shall be enclosed in the metal headrail.

Guardian Tilter™ mechanism shall be of a not less than .042" thick Tomized steel housing with a self-lubricating nylon, automatically disengaging worm and gear mechanism to provide maximum closure, eliminate overdrive, and prevent strain or damage to blind.

Tilt Wand shall be of Birchwood with a .38" in diameter, finished to match the slats of the blind.

Cord Lock shall be .042" thick Tomized steel and shall be securely attached to headrail. It shall be crashproof with sufficient sensitivity to lock slats at desired height upon release of cords.

Drum and Cradle shall be provided for each ladder.

Drums shall be of .031" thick Tomized steel having two holes with rolled edges to anchor barbs of both ladder ends.

Cradles shall be of .042" thick Tomized steel having two holes with rolled edges to guide cords through bottom of headrail without abrasion. They shall provide bearing support for the tilt rod, thus preventing the weight of the blind from being transferred to the tilter. Cradles shall center drums over the ladder openings.

Tilt Rod shall be U-shaped, with a circular radius of approximately .125" designed to achieve minimum torsional deflection. For blinds over 60" wide and under 80" long, or over 55" wide and over 80" long, tilt rod shall be solid D-shaped with a cross section of nominally .28"

designed to achieve minimum torsional deflection.

End Braces shall be of .037" thick Tomized steel with reinforcing ribs field adjustable tabs. End braces shall incorporate a field adjustable tab to insure secure installation, center blind in window, and prevent lateral movement.

Installation Brackets shall be of at least .048" thick Tomized steel with baked-on finish to match headrail. The brackets shall incorporate a hinged safety locking front cover to permit removal of headrail without lateral movement. Mounting holes shall be located to accommodate overhead, side, or face mounting.

Intermediate Brackets shall be of .050" thick Tomized steel and shall be installed with blinds over 60" wide and under 80" long, or over 55" wide and over 80" long. Brackets shall be supplied as required.

Ladders (slat supports) shall be braided polyester yarn dyed to Levolor color standard. The two vertical components shall be .076" x .038" designed for maximum flexibility combined with minimum stretch and tensile strength of not less than 50 lbs. per cable. Horizontal components (rungs) shall consist of not less than four cables inter-braided with the vertical components. Ladder shall support the slats without visible distortion. Distance between slats shall not exceed 19.6 mm (nominally 15.7 slats per vertical foot). Distance between ladders shall not exceed 23" for blinds up to 80" long. For blinds over 80" long, distance between ladders shall not be greater than 22". Distance between end ladder and end of slat shall not exceed 7".

Slats shall be of North American hard wood finished with a wood stain or solid coating selected from Levolor Custom colors, sealed, and lacquered. Maximum slat length is 96" to avoid material deflection standard 1" slats are nominally 1" wide. Slat thickness are nominally 1/8". Slats shall perform to 500 hours of 100% relative humidity testing. Slat thickness and ladder support distances shall prevent visible sag or bow after continued use indoors.

Bottomrail shall be of solid wood, nominally 1" wide x 5/8" high and finished to coordinate with slats. Bottomrail shall have protective ladder caps designed to prevent bottom bar from marring window sill and/or mullions.

Lift Cord shall be braided of high strength, 1.4 mm dia. polyester fiber with a high tenacity polyester core, 34 picks per inch, 16 carrier smooth braids, and shall be flexible, have minimum stretch, maximum abrasion resistance characteristics, and a minimum breaking strength of 130 lbs. Cord shall be of sufficient length equalized to properly control raising and lowering of blind and spaced not over 46" between cords.

Options shall include:

Cord Tilter

Cutouts

Extension Brackets

Hold Down Brackets

Invisible Installation Brackets

Multiple Blinds on One Headrail
Multi-Colored Striping
Pivot Plate
Pocket Brackets
Radius Corners
Restrictive Cam Tilter
Ring Pull
Telescopic or Non-Telescopic Tilter Pole
Top-Lok Cord Lock
Universal Ring Tilter

PART III – EXECUTION

3.01 INSPECTION

Window treatment subcontractor shall be responsible for inspection of site, field measurements, and approval of mounting surfaces and installation conditions.

Subcontractor shall verify that site is free of conditions that interfere with blind installation and operation, and shall begin installation only when any unsatisfactory conditions have been rectified.

3.02 INSTALLATION

Installation shall comply with Levolor specifications, standards, and procedures.

Provide support brackets as per Levolor's installation instructions.

See installation instructions packaged with blinds for more installation details.

Provide adequate clearance to permit unencumbered operation of blind and hardware.

Demonstrate blinds to be in uniform and smooth working order.

3.03 CLEANING

Clean soiled blinds with a mild soap solution only. Do not use cleaning methods involving heat, bleach, abrasives, or solvents. Do not use window cleaner or cloths with paper content.

Ensure proper drying following cleaning by providing adequate ventilation.

CUSTOM 2" WOOD BLIND

The designer's choice for elegant, traditional window treatments.

PART I – GENERAL

1.01 SCOPE

Furnish and install Levolor blinds, provided by Levolor Home Fashions, 4110 Premier Drive, High Point, NC 27265, in accordance with specifications, drawings, and contract documents.

Related work specified elsewhere.

1.02 QUALITY ASSURANCE

Installer's qualifications:

The installer shall be a firm approved by Levolor Home Fashions Contract Division.

The Installer shall be qualified to install the product specified, as demonstrated by prior experience.

Job mock-up: (Describe)

1.03 SUBMITTALS

Product information: Submit Levolor product literature and installation instructions.

Shop drawings: Indicate field-measured dimensions of openings which are to receive blinds, details of mounting surface and sill conditions, and details of corners and conditions between adjacent blinds.

Color samples: Submit a sample of each type and color of material specified.

1.04 DELIVERY, STORAGE, AND HANDLING

Packing and Shipping:

Materials shall be delivered to the Project in Levolor's original unopened packaging with labels intact.

Storage:

Materials shall be stored in a clean area which is free of corrosive fumes, dust, and away from construction activities.

Materials shall be stacked horizontally using plastic or wood shims such that drainage and ventilation are provided for, and such that water cannot accumulate in, about, or upon the containers.

Stacks shall be covered with tarpaulins or plastic such that ventilation is provided for, and such that contaminants are prevented from contacting surfaces.

1.05 PROJECT/SITE CONDITIONS (BEFORE PRODUCT INSTALLATION BEGINS)

Roof must be tight, windows and frames installed and glazed, and interior doors hung.

Wet work including concrete, masonry, plaster, stucco, terrazzo, sheetrock, spackling, and taping (including sanding) shall be complete and dry.

Ceilings, window pockets, electrical, and mechanical work above the product shall be complete.

Electrical power (110 volt AC) shall be available for installer's tools within 500 ft. of product installation areas.

1.06 WARRANTY

One Year Limited Warranty: Levolor Home Fashions Contract division shall repair or replace for one year from the date of purchase of the blind, at its option, without charge, any part found defective in workmanship or material as long as the blind remains in the same window for which it was purchased.

PART II – PRODUCTS

2.01 MANUFACTURER AND PRODUCT DESCRIPTION

Acceptable product: Custom 2" Wood Blind manufactured by Levolor Home Fashions.

Materials:

Headrail shall be of .025" thick Tomized® steel, "U" shaped, 2 5/16" high x 2 1/4" wide with flanged edges at top, and coated with baked on finish. All hardware shall be enclosed in the metal headrail.

Tilt Wand shall be of Birchwood with a .38" diameter, finished to match the slats of the blind.

Cord Lock shall be .042" thick Tomized steel and shall be securely attached to headrail. It shall be a crashproof type with sufficient sensitivity to lock slats at desired height upon release of cords, or by swinging cords toward jamb while lowering slats. A revolving serrated cam shall gently snub all cords to hold the raised slats level at the desired height, increasing its grip for heavier loads.

Drum and Cradle shall be provided for each ladder.

Drums shall be of .031" thick Tomized steel having two holes with rolled edges to anchor barbs of both ladder ends.

Cradles shall be of .042" thick Tomized steel having two holes with rolled edges to guide cords through bottom of headrail without abrasion. They shall provide bearing support for the tilt rod, thus preventing the weight of the blind from being transferred to the tilter. Cradles shall center drums over the ladder openings.

Tilt Rod shall be D-shaped galvanized steel rod with a cross section of nominally .28" designed to achieve minimum torsional deflection.

End Braces shall be of .042" thick Tomized steel with reinforcing ribs positively fastened to both ends of headrail. End braces shall incorporate a field adjustable tab to insure secure

installation, center blind in window, and prevent lateral movement.

Top Brace shall be of .025" thick Tomized steel and shall be attached to headrail for added rigidity.

Installation Brackets shall be of at least .050" thick Tomized steel with baked-on finish to match headrail. The brackets shall incorporate a hinged safety locking front cover to permit removal of headrail without lateral movement. Mounting holes shall be located to accommodate overhead, side, or face mounting.

Intermediate Brackets shall be installed with blinds over 60" wide. Brackets shall be U-shaped, .062" Tomized steel, with retainer fingers and mounting holes for overhead or face mounting. They shall be evenly spaced at maximum 72" apart. Brackets shall be supplied as required.

Ladders (slat supports) shall be braided polyester yarn dyed to Levolor color standard. The two vertical components shall be .080" x .063" designed for maximum flexibility combined with minimum stretch and tensile strength of not less than 70 lbs. per cable. Horizontal components (rungs) shall consist of not less than four cables inter-braided with the vertical components. Ladder shall support the slats without visible distortion. Distance between slats shall not exceed 44 mm (nominally 6.9 slats per vertical foot). Distance between ladders shall not exceed 23" for blinds up to 80" long. For blinds over 80" long, distance between ladders shall not be greater than 22". Distance between end ladder and end of slat shall not exceed 7".

Slats shall be of North American hard wood finished with a wood stain or solid coating selected from Levolor Custom colors, sealed, and lacquered. Maximum slat length is 96" to avoid material deflection and keep within federal weight and pull force guidelines. Standard 2" slats are nominally 2" wide. Slat thickness is nominally 1/8". Slats shall perform to 500 hours of 100% relative humidity testing. Slat thickness and ladder support distances shall prevent visible sag or bow after continued use indoors.

Bottomrail shall be of solid wood, nominally 2" wide x 5/8" high and finished to coordinate with slats. Bottomrail shall have protective ladder caps designed to prevent bottom bar from marring window sill and/or mullions.

Lift Cord shall be braided of high strength, 1.8 mm dia. polyester fiber with a high tenacity polyester core, 26 picks per inch, 16 carrier smooth braids, and shall be flexible, have minimum stretch, maximum abrasion resistance characteristics, and a minimum breaking strength of 175 lbs. Cord shall be of sufficient length equalized to properly control raising and lowering of blind and spaced not over 72" between cords.

Options shall include:

Fabric Tapes: Woven cotton twill tapes shall be 1 1/2" wide and dyed to Levolor color standard. Fabric rungs shall be permanently sewn to vertical components. Distance between tape centers shall not exceed 36". Distance between center of end tape to end of slat shall not exceed 7", unless otherwise specified for special job condition. Rung spacing shall be approximately 1 1/2" o.c.

Cord Tilter: For mutual tilt with cord, tilter shall be .050" thick Tomized steel, with a gear and pulley mechanism to tilt slats to desired angle. The pulley shall have internal ribs to increase cord traction, and an integral brass worm to positively

engage gear. Cord fabric to be dyed to Levolor color standard, have a minimum breaking strength of 175 lbs., and be of sufficient length equalized to properly control tilt of blind. Cord shall be fitted with two limiting beads to synchronize slat angle.

Cutouts

Extension Brackets

Hold Down Brackets

Multiple Blinds on One Headrail

Multi-Colored Striping

Pocket Brackets

Radius Corners

Ring Pull

Telescopic or Non-Telescopic Tilter Pole

Universal Ring Tilter

PART III – EXECUTION

3.01 INSPECTION

Window treatment subcontractor shall be responsible for inspection of site, field measurements, and approval of mounting surfaces and installation conditions.

Subcontractor shall verify that site is free of conditions that interfere with blind installation and operation, and shall begin installation only when any unsatisfactory conditions have been rectified.

3.02 INSTALLATION

Installation shall comply with Levolor specifications, standards, and procedures.

Provide support brackets as per Levolor's installation instructions.

See installation instructions packaged with blinds for more installation details.

Provide adequate clearance to permit unencumbered operation of blind and hardware.

Demonstrate blinds to be in uniform and smooth working order.

3.03 CLEANING

Clean soiled blinds with a mild soap solution only. Do not use cleaning methods involving heat, bleach, abrasives, or solvents. Do not use window cleaner or cloths with paper content.

Ensure proper drying following cleaning by providing adequate ventilation.

ELITE VERTICAL BLIND

Premium quality, yet economical vertical headrail system for standard commercial installations.

PART I – GENERAL

1.01 SCOPE

Furnish and install LouverDrape blinds, provided by Levolor Home Fashions, 4110 Premier Drive, High Point, NC 27265, in accordance with specifications, drawings, and contract documents.

Related work specified elsewhere.

1.02 QUALITY ASSURANCE

Installer's qualifications:

The installer shall be a firm approved by Levolor Home Fashions Contract Division.

The installer shall be qualified to install the product specified, as demonstrated by prior experience.

Job mock-up: (Describe)

1.03 SUBMITTALS

Product information: Submit LouverDrape product literature and installation instructions.

Shop drawings: Indicate field-measured dimensions of openings which are to receive blinds, details of mounting surface and sill conditions, and details of corners and conditions between adjacent blinds.

Color samples: Submit a sample of each type and color of material specified.

1.04 DELIVERY, STORAGE, AND HANDLING

Packing and Shipping:

Materials shall be delivered to the Project in LouverDrape original unopened packaging with labels intact.

Storage:

Materials shall be stored in a clean area which is free of corrosive fumes, dust, and away from construction activities.

Materials shall be stacked horizontally using plastic or wood shims such that drainage and ventilation are provided for, and such that water cannot accumulate in, about, or upon the containers.

Stacks shall be covered with tarpaulins or plastic such that ventilation is provided for, and such that contaminants are prevented from contacting surfaces.

1.05 PROJECT/SITE CONDITIONS (BEFORE PRODUCT INSTALLATION BEGINS)

Roof must be tight, windows and frames installed and glazed, and interior doors hung.

Wet work including concrete, masonry, plaster, stucco, terrazzo, sheetrock, spackling, and taping (including sanding) shall be complete and dry.

Ceilings, window pockets, electrical, and mechanical work above the product shall be complete.

Electrical power (110 volt AC) shall be available for installer's tools within 500 ft. of product installation areas.

1.06 WARRANTY

One Year Limited Warranty: Levolor Home Fashions Contract division shall repair or replace for one year from the date of purchase of the blind, at its option, without charge, any part found defective in workmanship or material as long as the blind remains in the same window for which it was purchased.

PART II – PRODUCTS

2.01 MANUFACTURER AND PRODUCT DESCRIPTION

Acceptable product: LouverDrape Elite Vertical Blind Headrail System manufactured by Levolor Home Fashions.

Materials:

Headrail shall be of extruded anodized aluminum alloy 1-1/16" wide x 1- 1/4" high with capped ends, provided with Delrin, or equal, sprocket wheels with Zytel. Available with top headrail only.

Carriers shall be made of 7/16" wide Delrin plastic or equal and shall traverse on Delrin slides. No wheels shall be allowed.

Spacer links of flexible stainless steel 1/4" wide shall space and stabilize carriers by passing smoothly between stabilizer guides on each carrier.

Vanes shall rotate 360 degrees and pack, when traversed, into no more than 7/16" per vane. When rotated, 2 1/8" vanes shall overlap not less than 3/8"; 3 1/2" vanes shall overlap not less than 3/8".

Rotation mechanism shall consist of a #6 nickel-plated bead chain to synchronize and actuate 360 degree rotation by turning a keyed aluminum rod actuating Delrin worm and spur gear in each carrier in headrail. Gears shall provide no less than 10-to-1 mechanical advantage and keep vanes fixed until reset by control. No cord or 1-to-1 ratio mechanisms will be allowed.

Traversing mechanism shall allow vertical blinds to traverse left to right, right to left or split. Blinds shall traverse by means of a non-stretch traverse cord.

Cord Weight shall be of molded ABS plastic filled for weight. Cord weight shall be readily removable without detaching cord from headrail.

End Caps: Control and return end cap assemblies shall be molded to match aluminum extrusion profile and provide contemporary aesthetic appearance.

Installation Brackets shall be provided for overhead, surface or recessed installation using thumb clamps and angle brackets. Brackets shall be designed to facilitate installation and removal of track.

Vane spacing: Normal vane spacing on center is a fraction of an inch less than the vane size. For example:

Vane width: 2 1/8" spacing on center 1 3/4".

Vane width: 3 1/2" spacing on center 3 1/8".

Vanes shall be selected from the following (select one): Control location and Stack Draw must be specified.

Vanes shall be extruded of 100% GEON solid vinyl or equal. The vinyl shall also contain ultra violet inhibitors. Calcium carbonate content will not exceed 15% on standard colors. Vanes shall withstand 140deg; heat chamber for thirty minutes without distortion, and with no more shrink and stretch than 1/2 of 1%. A ten-foot vane suspended from the center of one end shall hang straight with no twist, warp or bow. Vanes shall be permanently flame resistant, if unaltered. Certificate of flame retardancy must be provided.

Vanes shall be selected from the following widths and styles:

Widths:

- nominally 2 1/8" wide
- nominally 3 1/2" wide

Styles:

- solid flat
- solid curved
- narrow ridged flat
- narrow ridged curved
- wide ridged curved
- perforated (various openness factors available)

An optional key hole punch with a corrosion-free chain may be specified to control swaying and keep unit functioning as a whole.

Fabric vanes shall be available in two styles:

Free Hanging: Vanes shall be free hanging woven or slit to 2 1/8" or 3 1/2"

(select one) wide, and color fast. Vanes shall have a steel weight inserted into a sewn pocket at bottom of vane. An optional clip-on corrosion-free, nickel plated steel chain shall be attached to weights to control swaying and keep unit functioning as a hole (if specified). Certificate of flame resistancy must be provided.

EverClear Louver Groover: Vanes shall be of color fast fabric slit to appropriate width, slid into groover channel. Groover shall be extruded of 100% GEON vinyl or equal and shall be guaranteed not to crack or yellow for six years. Groovers should have clear edges that hold fabric in place. Certificate of flame resistancy must be provided.

Options shall include:

Curved headrail: Parameters for curved blinds are as follows:

- Maximum blind height 120"
- Maximum blind width 84"
- Minimum radius 48"
- Maximum portion of circle for one blind is 45° (1/8" circle)

Motorized blinds. Battery or plug in options available.

Headrail color: Anodized aluminum is the standard headrail color. Deep Bronze and Ivory are also standard colors available for a minimal per foot upcharge. Custom colors are available at an additional charge.

PART III – EXECUTION

3.01 INSPECTION

Window treatment subcontractor shall be responsible for inspection of site, field measurements, and approval of mounting surfaces and installation conditions.

Subcontractor shall verify that site is free of conditions that interfere with blind installation and operation, and shall begin installation only when any unsatisfactory conditions have been rectified.

3.02 INSTALLATION

Installation shall comply with LouverDrape specifications, standards, and procedures.

Provide support brackets as per LouverDrape's installation instructions.

See installation instructions packaged with blinds for more installation details.

Provide adequate clearance to permit unencumbered operation of blind and hardware.

Demonstrate blinds to be in uniform and smooth working order.

3.03 CLEANING

Vacuum fabric vanes lightly with brush attachment on a regular basis. Stains may be spot cleaned by sponging gently with mild detergent or fabric cleaner. Ensure proper drying following cleaning by providing adequate ventilation.

Clean soiled aluminum and PVC vanes by wiping clean with only a mild liquid detergent soap solution and water. Window cleaner or cloths with paper content should not be used on aluminum vanes. Do not use abrasive cleansers. Ensure proper drying following cleaning by providing adequate ventilation.

MRCsii VERTICAL BLIND

An economical yet heavy duty cord stack headrail system ideal for commercial installations.

PART I – GENERAL

1.01 SCOPE

Furnish and install LouverDrape blinds, provided by Levolor Home Fashions, 4110 Premier Drive, High Point, NC 27265, in accordance with specifications, drawings, and contract documents.

Related work specified elsewhere.

1.02 QUALITY ASSURANCE

Installer's qualifications:

The installer shall be a firm approved by Levolor Home Fashions Contract Division.

The installer shall be qualified to install the product specified, as demonstrated by prior experience.

Job mock-up: (Describe)

1.03 SUBMITTALS

Product information: Submit LouverDrape product literature and installation instructions.

Shop drawings: Indicate field-measured dimensions of openings which are to receive blinds, details of mounting surface and sill conditions, and details of corners and conditions between adjacent blinds.

Color samples: Submit a sample of each type and color of material specified.

1.04 DELIVERY, STORAGE, AND HANDLING

Packing and Shipping:

Materials shall be delivered to the Project in LouverDrape original unopened packaging with labels intact.

Storage:

Materials shall be stored in a clean area which is free of corrosive fumes, dust, and away from construction activities.

Materials shall be stacked horizontally using plastic or wood shims such that drainage and ventilation are provided for, and such that water cannot accumulate in, about, or upon the containers.

Stacks shall be covered with tarpaulins or plastic such that ventilation is provided for, and such that contaminants are prevented from contacting surfaces.

1.05 PROJECT/SITE CONDITIONS (BEFORE PRODUCT INSTALLATION BEGINS)

Roof must be tight, windows and frames installed and glazed, and interior doors hung.

Wet work including concrete, masonry, plaster, stucco, terrazzo, sheetrock, spackling, and taping (including sanding) shall be complete and dry.

Ceilings, window pockets, electrical, and mechanical work above the product shall be complete.

Electrical power (110 volt AC) shall be available for installer's tools within 500 ft. of product installation areas.

1.06 WARRANTY

One Year Limited Warranty: Levolor Home Fashions Contract division shall repair or replace for one year from the date of purchase of the blind, at its option, without charge, any part found defective in workmanship or material as long as the blind remains in the same window for which it was purchased.

PART II – PRODUCTS

2.01 MANUFACTURER AND PRODUCT DESCRIPTION

Acceptable product: LouverDrape MRCSII Vertical Blind Headrail System manufactured by Levolor Home Fashions.

Materials:

Headrail shall be of extruded anodized aluminum alloy 1-13/16" wide x 1" high. Capped ends, provided with Delrin, or equal, sprocket wheels . Available with top headrail only.

Carriers shall be made of 7/16" wide Delrin plastic or equal and shall traverse on Delrin wheels. No glides or sliders shall be allowed. Carriers shall have one piece spur gear and Delrin hook.

Spacer links of flexible stainless steel 1/4" wide shall space and stabilize carriers by passing smoothly between stabilizer guides on each carrier.

Vanes shall rotate 360 degrees and pack, when traversed, into no more than 7/16" per vane. When rotated, 3 1/2" vanes shall overlap not less than 3/8".

Rotation mechanism shall consist of a #6 nickel-plated bead chain to synchronize and actuate 360 degree rotation by turning a keyed aluminum rod actuating plastic worm and plastic spur gear in each carrier in headrail. Gears shall provide no less than 10-to-1 mechanical advantage and keep vanes fixed until reset by control. No cord or 1-to-1 ratio mechanisms will be allowed.

Traversing mechanism shall allow vertical blinds to traverse left to right, right to left or split. Blinds shall traverse by means of a non-stretch traverse cord.

Cord Weight shall be of molded ABS plastic filled for weight. Cord weight shall be readily removable without detaching cord from headrail.

End Caps: Control and return end cap assemblies shall be molded to match aluminum

extrusion profile and provide contemporary aesthetic appearance.

Installation Brackets shall be provided for recessed installation using snap-in clamps, angle brackets, or direct mount screws. Brackets shall be designed to facilitate installation and removal of track.

Vane spacing: Normal vane spacing on center is a fraction of an inch less than the vane size. For example:

Vane width: 2 1/8" spacing on center 1 3/4".

Vane width: 3 1/2" spacing on center 3 1/8".

Vanes shall be selected from the following (select one): Control location and Stack Draw should be specified.

Vanes shall be extruded of 100% GEON solid vinyl or equal. The vinyl shall also contain ultra violet inhibitors. Calcium carbonate content will not exceed 15% on standard colors. Vanes shall withstand 140° heat chamber for thirty minutes without distortion, and with no more shrink and stretch than 1/2 of 1%. A ten-foot vane suspended from the center of one end shall hang straight with no twist, warp or bow. Vanes shall be permanently flame resistant, if unaltered. Certificate of flame retardancy must be provided.

Vanes shall be selected from the following widths and styles:

Widths:

- nominally 2 1/8" wide
- nominally 3 1/2" wide

Styles:

- solid flat
- solid curved
- narrow ridged flat
- narrow ridged curved
- wide ridged curved
- perforated (various openness factors available)

An optional key hole punch with a corrosion-free chain may be specified to control swaying and keep unit functioning as a whole.

Fabric vanes shall be available in two styles:

Free Hanging: Vanes shall be free hanging woven or slit to 2 1/8" or 3 1/2" (select one) wide, and color fast. Vanes shall have a steel weight inserted

into a sewn pocket at bottom of vane. An optional clip-on corrosion-free, nickel plated steel chain shall be attached to weights to control swaying and keep unit functioning as a hole (if specified). Certificate of flame resistancy must be provided.

EverClear Louver Groover: Vanes shall be of color fast fabric slit to appropriate width, slid into groover channel. Groover shall be extruded of 100% GEON vinyl or equal and shall be guaranteed not to crack or yellow for six years. Groovers should have clear edges that hold fabric in place. Certificate of flame resistancy must be provided.

Options shall include:

Headrail color: Anodized aluminum is the standard headrail color. Custom painted colors are available at an additional charge.

PART III – EXECUTION

3.01 INSPECTION

Window treatment subcontractor shall be responsible for inspection of site, field measurements, and approval of mounting surfaces and installation conditions.

Subcontractor shall verify that site is free of conditions that interfere with blind installation and operation, and shall begin installation only when any unsatisfactory conditions have been rectified.

3.02 INSTALLATION

Installation shall comply with LouverDrape specifications, standards, and procedures.

Provide support brackets as per LouverDrape's installation instructions.

See installation instructions packaged with blinds for more installation details.

Provide adequate clearance to permit unencumbered operation of blind and hardware.

Demonstrate blinds to be in uniform and smooth working order.

3.03 CLEANING

Vacuum fabric vanes lightly with brush attachment on a regular basis. Stains may be spot cleaned by sponging gently with mild detergent or fabric cleaner. Ensure proper drying following cleaning by providing adequate ventilation.

Clean soiled aluminum and PVC vanes by wiping clean with only a mild liquid detergent soap solution and water. Window cleaner or cloths with paper content should not be used on aluminum vanes. Do not use abrasive cleansers. Ensure proper drying following cleaning by providing adequate ventilation.

MRNT VERTICAL BLIND

An economical non-traversing vertical blind headrail system for windows & skylights in commercial installations.

PART I – GENERAL

1.01 SCOPE

Furnish and install LouverDrape blinds, provided by Levolor Home Fashions, 4110 Premier Drive, High Point, NC 27265, in accordance with specifications, drawings, and contract documents.

Related work specified elsewhere.

1.02 QUALITY ASSURANCE

Installer's qualifications:

The installer shall be a firm approved by Levolor Home Fashions Contract Division.

The installer shall be qualified to install the product specified, as demonstrated by prior experience.

Job mock-up: (Describe)

1.03 SUBMITTALS

Product information: Submit LouverDrape product literature and installation instructions.

Shop drawings: Indicate field-measured dimensions of openings which are to receive blinds, details of mounting surface and sill conditions, and details of corners and conditions between adjacent blinds.

Color samples: Submit a sample of each type and color of material specified.

1.04 DELIVERY, STORAGE, AND HANDLING

Packing and Shipping:

Materials shall be delivered to the Project in LouverDrape original unopened packaging with labels intact.

Storage:

Materials shall be stored in a clean area which is free of corrosive fumes, dust, and away from construction activities.

Materials shall be stacked horizontally using plastic or wood shims such that drainage and ventilation are provided for, and such that water cannot accumulate in, about, or upon the containers.

Stacks shall be covered with tarpaulins or plastic such that ventilation is provided for, and such that contaminants are prevented from contacting surfaces.

1.05 PROJECT/SITE CONDITIONS (BEFORE PRODUCT INSTALLATION BEGINS)

Roof must be tight, windows and frames installed and glazed, and interior doors hung.

Wet work including concrete, masonry, plaster, stucco, terrazzo, sheetrock, spackling, and taping (including sanding) shall be complete and dry.

Ceilings, window pockets, electrical, and mechanical work above the product shall be complete.

Electrical power (110 volt AC) shall be available for installer's tools within 500 ft. of product installation areas.

1.06 WARRANTY

One Year Limited Warranty: Levolor Home Fashions Contract division shall repair or replace for one year from the date of purchase of the blind, at its option, without charge, any part found defective in workmanship or material as long as the blind remains in the same window for which it was purchased.

PART II – PRODUCTS

2.01 MANUFACTURER AND PRODUCT DESCRIPTION

Acceptable product: LouverDrape MRNT Vertical Blind Headrail System manufactured by Levolor Home Fashions.

Materials:

Headrail and bottom rail shall be of satin anodized extruded aluminum alloy 1" wide x 3/4" high. Capped ends shall be of heavy duty, zinc die castings which shall contain metal or Delrin sprocket wheels for rotation. A special recessed lift-out clamp is also available.

Gear assembly shall be non-traversing, rotation only, and on blinds with dual rail option shall hold vanes at 2 1/2 lb. spring tension.

Gear rack shall be extruded aluminum alloy with evenly spaced teeth that actuate precision made gears of Delrin.

Vanes shall rotate 180 degrees, remain parallel to each other and rotate in unison. When rotated, 2 1/8" vanes shall overlap not less than 3/8", 3 1/2" vanes shall overlap not less than 3/8".

Rotation mechanism shall allow vanes to rotate a full 180°. With top and bottom rail option, mechanism in each rail shall be synchronized by a #6 or #10 nickel-plated bead chain, actuating sprocket wheels which are attached to a lead screw drive and gear rack providing an 18-1 mechanical advantage.

End Caps: Control and return end cap assemblies shall be molded to match aluminum extrusion profile and provide contemporary aesthetic appearance.

Installation Brackets shall be provided for overhead, surface or recessed installation using thumb clamps, angle brackets, and screws. Brackets shall be designed to facilitate installation and removal of track.

Vane spacing: Normal vane spacing on center is a fraction of an inch less than the vane size.
For example:

Vane width: 2 1/8" spacing on center 1 3/4".

Vane width: 3 1/2" spacing on center 3 1/8".

Vanes shall be selected from the following (select one): Control location and Stack Draw should be specified.

Vanes shall be extruded of 100% GEON solid vinyl or equal. The vinyl shall also contain ultra violet inhibitors. Calcium carbonate content will not exceed 15% on standard colors. Vanes shall withstand 140deg; heat chamber for thirty minutes without distortion, and with no more shrink and stretch than 1/2 of 1%. A ten-foot vane suspended from the center of one end shall hang straight with no twist, warp or bow. Vanes shall be permanently flame resistant, if unaltered. Certificate of flame retardancy must be provided.

Vanes shall be selected from the following widths and styles:

Widths:

- nominally 2 1/8" wide
- nominally 3 1/2" wide

Styles:

- solid flat
- solid curved
- narrow ridged flat
- narrow ridged curved
- wide ridged curved
- perforated (various openness factors available)

An optional key hole punch with a corrosion-free chain may be specified to control swaying and keep unit functioning as a whole.

Fabric vanes shall be available in two styles:

Free Hanging: Vanes shall be free hanging woven or slit to 2 1/8" or 3 1/2" (select one) wide, and color fast. Vanes shall have a steel weight inserted into a sewn pocket at bottom of vane. An optional clip-on corrosion-free, nickel plated steel chain shall be attached to weights to control swaying and keep unit functioning as a whole (if specified). Certificate of flame resistancy must be provided.

EverClear Louver Groover: Vanes shall be of color fast fabric slit to appropriate

width, slid into groover channel. Groover shall be extruded of 100% GEON vinyl or equal and shall be guaranteed not to crack or yellow for six years. Groovers should have clear edges that hold fabric in place. Certificate of flame resistancy must be provided.

Options shall include:

Top and bottom rails.

Curved head and bottom rails. Headrail and bottom rail are notched by the manufacturer to allow rails to be curved on site during installation to conform to exact curvature of window.

Gothic arched headrail. Available with dual rail option only.

Headrail color: Anodized aluminum is the standard headrail color. Custom painted colors are available at an additional charge.

PART III – EXECUTION

3.01 INSPECTION

Window treatment subcontractor shall be responsible for inspection of site, field measurements, and approval of mounting surfaces and installation conditions.

Subcontractor shall verify that site is free of conditions that interfere with blind installation and operation, and shall begin installation only when any unsatisfactory conditions have been rectified.

3.02 INSTALLATION

Installation shall comply with LouverDrape specifications, standards, and procedures.

Provide support brackets as per LouverDrape's installation instructions.

See installation instructions packaged with blinds for more installation details.

Provide adequate clearance to permit unencumbered operation of blind and hardware.

Demonstrate blinds to be in uniform and smooth working order.

3.03 CLEANING

Vacuum fabric vanes lightly with brush attachment on a regular basis. Stains may be spot cleaned by sponging gently with mild detergent or fabric cleaner. Ensure proper drying following cleaning by providing adequate ventilation.

Clean soiled aluminum and PVC vanes by wiping clean with only a mild liquid detergent soap solution and water. Window cleaner or cloths with paper content should not be used on aluminum vanes. Do not use abrasive cleansers. Ensure proper drying following cleaning by providing adequate ventilation.

MRRS VERTICAL BLIND

An extra heavy duty rod stack headrail system perfect for oversized commercial installations.

PART I – GENERAL

1.01 SCOPE

Furnish and install LouverDrape blinds, provided by Levolor Home Fashions, 4110 Premier Drive, High Point, NC 27265, in accordance with specifications, drawings, and contract documents.

Related work specified elsewhere.

1.02 QUALITY ASSURANCE

Installer's qualifications:

The installer shall be a firm approved by Levolor Home Fashions Contract Division.

The installer shall be qualified to install the product specified, as demonstrated by prior experience.

Job mock-up: (Describe)

1.03 SUBMITTALS

Product information: Submit LouverDrape product literature and installation instructions.

Shop drawings: Indicate field-measured dimensions of openings which are to receive blinds, details of mounting surface and sill conditions, and details of corners and conditions between adjacent blinds.

Color samples: Submit a sample of each type and color of material specified.

1.04 DELIVERY, STORAGE, AND HANDLING

Packing and Shipping:

Materials shall be delivered to the Project in LouverDrape original unopened packaging with labels intact.

Storage:

Materials shall be stored in a clean area which is free of corrosive fumes, dust, and away from construction activities.

Materials shall be stacked horizontally using plastic or wood shims such that drainage and ventilation are provided for, and such that water cannot accumulate in, about, or upon the containers.

Stacks shall be covered with tarpaulins or plastic such that ventilation is provided for, and such that contaminants are prevented from contacting surfaces.

1.05 PROJECT/SITE CONDITIONS (BEFORE PRODUCT INSTALLATION BEGINS)

Roof must be tight, windows and frames installed and glazed, and interior doors hung.

Wet work including concrete, masonry, plaster, stucco, terrazzo, sheetrock, spackling, and taping (including sanding) shall be complete and dry.

Ceilings, window pockets, electrical, and mechanical work above the product shall be complete.

Electrical power (110 volt AC) shall be available for installer's tools within 500 ft. of product installation areas.

1.06 WARRANTY

One Year Limited Warranty: Levolor Home Fashions Contract division shall repair or replace for one year from the date of purchase of the blind, at its option, without charge, any part found defective in workmanship or material as long as the blind remains in the same window for which it was purchased.

PART II – PRODUCTS

2.01 MANUFACTURER AND PRODUCT DESCRIPTION

Acceptable product: LouverDrape MRRS Vertical Blind Headrail System manufactured by Levolor Home Fashions.

Materials:

Headrail and bottom rail shall be of extruded anodized aluminum alloy 1-3/16" wide x 1 5/16" high for lift-out and 1 13/16" wide x 1" high for recessed with capped ends, provided with Delrin, or equal, sprocket wheels .

Carriers shall be made of 7/16" wide Delrin plastic or equal and shall traverse on Delrin wheels. No glides or sliders shall be allowed. For top and bottom rail option, each vane shall be held in spring tension between a carrier in the top rail and a carrier in the bottom rail. For headrail only models, carriers shall have one piece spur gear and Delrin hook.

Spacer links of flexible stainless steel 1/4" wide shall space and stabilize carriers by passing smoothly between stabilizer guides on each carrier.

Vanes shall rotate 360 degrees and pack, when traversed, into no more than 7/16" per vane. When rotated, 2 1/8" vanes shall over lap not less than 3/8", 3 1/2" vanes shall overlap not less than 3/8".

Rotation mechanism shall consist of a #10 nickel-plated bead chain for dual rail option, or a #6 for headrail only models. The chain shall synchronize and actuate 360 degree rotation by turning a keyed aluminum rod actuating plastic worm and plastic spur gear in each carrier in both top and bottom rail. Gears shall provide no less than 10-to-1 mechanical advantage and keep vanes fixed until reset by control. No cord or 1-to-1 ratio mechanisms will be allowed. On top and bottom models, top and bottom gears shall be synchronized.

Traversing mechanism shall allow vertical blinds to traverse left to right, right to left or split. Blinds shall traverse by means of a #10 beaded chain running in a Delrin sprocket rotating a

traverse rod which is an anodized aluminum lead screw extending the full length of the headrail and actuating a lead nut.

End Caps: Control and return end cap assemblies shall be molded to match aluminum extrusion profile and provide contemporary aesthetic appearance.

Installation Brackets shall be provided for overhead, surface or recessed installation using thumb clamps and angle brackets. Brackets shall be designed to facilitate installation and removal of track.

Vane spacing: Normal vane spacing on center is a fraction of an inch less than the vane size. For example:

Vane width: 2 1/8" spacing on center 1 3/4".

Vane width: 3 1/2" spacing on center 3 1/8".

Vanes shall be selected from the following (select one): Control location and Stack Draw should be specified.

Vanes shall be extruded of 100% GEON solid vinyl or equal. The vinyl shall also contain ultra violet inhibitors. Calcium carbonate content will not exceed 15% on standard colors. Vanes shall withstand 140° heat chamber for thirty minutes without distortion, and with no more shrink and stretch than 1/2 of 1%. A ten-foot vane suspended from the center of one end shall hang straight with no twist, warp or bow. Vanes shall be permanently flame resistant, if unaltered. Certificate of flame retardancy must be provided.

Vanes shall be selected from the following widths and styles:

Widths:

- nominally 2 1/8" wide
- nominally 3 1/2" wide

Styles:

- solid flat
- solid curved
- narrow ridged flat
- narrow ridged curved
- wide ridged curved
- perforated (various openness factors available)

An optional key hole punch with a corrosion-free chain may be specified to control swaying and keep unit functioning as a whole.

Fabric vanes shall be available in two styles:

Free Hanging: Vanes shall be free hanging woven or slit to 2 1/8" or 3 1/2" (select one) wide, and color fast. Vanes shall have a steel weight inserted into a sewn pocket at bottom of vane. An optional clip-on corrosion-free, nickel plated steel chain shall be attached to weights to control swaying and keep unit functioning as a hole (if specified). Certificate of flame resistancy must be provided.

EverClear Louver Groover: Vanes shall be of color fast fabric slit to appropriate width, slid into groover channel. Groover shall be extruded of 100% GEON vinyl or equal and shall be guaranteed not to crack or yellow for six years. Groovers should have clear edges that hold fabric in place. Certificate of flame resistancy must be provided.

Options shall include:

Motorized blinds which provide power rotation and power traverse. Motorization shall not affect the spacing of the last vane.

Top and bottom rails.

Headrail color: Anodized aluminum is the standard headrail color. Deep Bronze and Ivory are also standard colors available for a minimal per foot upcharge. Custom painted colors are available at an additional charge.

PART III – EXECUTION

3.01 INSPECTION

Window treatment subcontractor shall be responsible for inspection of site, field measurements, and approval of mounting surfaces and installation conditions.

Subcontractor shall verify that site is free of conditions that interfere with blind installation and operation, and shall begin installation only when any unsatisfactory conditions have been rectified.

3.02 INSTALLATION

Installation shall comply with LouverDrape specifications, standards, and procedures.

Provide support brackets as per LouverDrape's installation instructions.

See installation instructions packaged with blinds for more installation details.

Provide adequate clearance to permit unencumbered operation of blind and hardware.

Demonstrate blinds to be in uniform and smooth working order.

3.03 CLEANING

Vacuum fabric vanes lightly with brush attachment on a regular basis. Stains may be spot cleaned by sponging gently with mild detergent or fabric cleaner. Ensure proper drying following cleaning by providing adequate ventilation.

Clean soiled aluminum and PVC vanes by wiping clean with only a mild liquid detergent soap solution and water. Window cleaner or cloths with paper content should not be used on aluminum vanes. Do not use abrasive cleansers. Ensure proper drying following cleaning by providing adequate ventilation.

ZIRLON WHEELED SYSTEM

Versatile top quality vertical headrail system for commercial office applications.

PART I – GENERAL

1.01 SCOPE

Furnish and install LouverDrape blinds, provided by Levolor Home Fashions, 4110 Premier Drive, High Point, NC 27265, in accordance with specifications, drawings, and contract documents.

Related work specified elsewhere.

1.02 QUALITY ASSURANCE

Installer's qualifications:

The installer shall be a firm approved by Levolor Home Fashions Contract Division.

The installer shall be qualified to install the product specified, as demonstrated by prior experience.

Job mock-up: (Describe)

1.03 SUBMITTALS

Product information: Submit LouverDrape product literature and installation instructions.

Shop drawings: Indicate field-measured dimensions of openings which are to receive blinds, details of mounting surface and sill conditions, and details of corners and conditions between adjacent blinds.

Color samples: Submit a sample of each type and color of material specified.

1.04 DELIVERY, STORAGE, AND HANDLING

Packing and Shipping:

Materials shall be delivered to the Project in LouverDrape's original unopened packaging with labels intact.

Storage:

Materials shall be stored in a clean area which is free of corrosive fumes, dust, and away from construction activities.

Materials shall be stacked horizontally using plastic or wood shims such that drainage and ventilation are provided for, and such that water cannot accumulate in, about, or upon the containers.

Stacks shall be covered with tarpaulins or plastic such that ventilation is provided for, and such that contaminants are prevented from contacting surfaces.

1.05 PROJECT/SITE CONDITIONS (BEFORE PRODUCT INSTALLATION BEGINS)

Roof must be tight, windows and frames installed and glazed, and interior doors hung.

Wet work including concrete, masonry, plaster, stucco, terrazzo, sheetrock, spackling, and taping (including sanding) shall be complete and dry.

Ceilings, window pockets, electrical, and mechanical work above the product shall be complete.

Electrical power (110 volt AC) shall be available for installer's tools within 500 ft. of product installation areas.

1.06 WARRANTY

One Year Limited Warranty: Levolor Home Fashions Contract division shall repair or replace for one year from the date of purchase of the blind, at its option, without charge, any part found defective in workmanship or material as long as the blind remains in the same window for which it was purchased.

PART II – PRODUCTS

2.01 MANUFACTURER AND PRODUCT DESCRIPTION

Acceptable product: LouverDrape Zirlon Wheeled System Vertical Blind Headrail System manufactured by Levolor Home Fashions.

Materials:

Headrail shall be of extruded anodized aluminum alloy 1 5/16" wide x 1-7/16" high with capped ends, provided with Delrin, or equal, sprocket wheels. End caps shall be equipped with covers to enclose sprockets and rotation rod ends and rollers for traverse cord.

Carriers shall be made of Delrin, 5/16" wide and traverse on Zirlon wheels to reduce draw force. No glides or sliders shall be allowed. The vane stem shall be of snap-out design to yield when subjected to interference without damage to the blade or any part of the carriage assembly.

Spacer links of flexible stainless steel 1/4" wide shall space and stabilize carriers by passing smoothly between stabilizer guides on each carrier.

Vanes shall rotate 360 degrees and pack, when traversed, into no more than 5/16" per vane. When rotated, 2 1/8" vanes shall overlap not less than 3/8"; 3 1/2" vanes shall overlap not less than 3/8".

Rotation mechanism shall consist of a #6 nickel-plated bead chain to synchronize and actuate 360 degree rotation by turning a keyed aluminum rod actuating Delrin worm and spur gear in each carrier. Gears shall provide no less than 8-to-1 mechanical advantage and keep vanes fixed until reset by control. No cord or 1-to-1 ratio mechanisms will be allowed. Spur and worm gear shall slip under extreme loading and be able to be realigned with no damage.

Traversing mechanism shall allow vertical blinds to traverse left to right, right to left or split. Blinds shall traverse by means of a non-stretch traverse cord. With the AutoWand option,

vertical blinds shall traverse left to right or right to left by means of a composite plastic wand.

Cord Weight shall be of molded ABS plastic filled for weight. Cord weight shall be readily removable without detaching cord from headrail.

End Caps: Control and return end cap assemblies shall be molded to match aluminum extrusion profile and provide contemporary aesthetic appearance.

Installation Brackets shall be provided for overhead or surface installation using thumb clamps and angle brackets. Brackets shall be designed to facilitate installation and removal of track.

Vane spacing: A stainless steel spacer arm integral with the carriage body shall be used to provide visually uniform vane spacing when the blind is fully drawn. Normal vane spacing on center is a fraction of an inch less than the vane size. For example:

Vane width: 2 1/8" spacing on center 1 3/4".

Vane width: 3 1/2" spacing on center 3 1/8".

Vanes shall be selected from the following (select one): Control location and Stack Draw must be specified.

Vanes shall be extruded of 100% GEON solid vinyl or equal. The vinyl shall also contain ultra violet inhibitors. Calcium carbonate content will not exceed 15% on standard colors. Vanes shall withstand 140° heat chamber for thirty minutes without distortion, and with no more shrink and stretch than 1/2 of 1%. A ten-foot vane suspended from the center of one end shall hang straight with no twist, warp or bow. Vanes shall be permanently flame resistant, if unaltered. Certificate of flame retardancy must be provided.

Vanes shall be selected from the following widths and styles:

Widths:

- nominally 2 1/8" wide
- nominally 3" wide
- nominally 4 3/8" wide
- nominally 5" wide

Styles:

- solid flat
- solid curved
- narrow ridged flat
- narrow ridged curved

- wide ridged curved
- perforated (various openness factors available)

An optional key hole punch with a corrosion-free chain may be specified to control swaying and keep unit functioning as a whole.

Fabric vanes shall be available in two styles:

Free Hanging: Vanes shall be free hanging woven or slit to 2 1/8" or 3 1/2" (select one) wide, and color fast. Vanes shall have a steel weight inserted into a sewn pocket at bottom of vane. An optional clip-on corrosion-free, nickel plated steel chain shall be attached to weights to control swaying and keep unit functioning as a whole (if specified). Certificate of flame resistancy must be provided.

EverClear Louver Groover: Vanes shall be of color fast fabric slit to appropriate width, slid into groover channel. Groover shall be extruded of 100% GEON vinyl or equal and shall be guaranteed not to crack or yellow for six years. Groovers should have clear edges that hold fabric in place. Certificate of flame resistancy must be provided.

Options shall include:

Zirlon with AutoRotate: additional specifications include

Vanes shall rotate 180 degrees and stack, when traverse, into no more than 5/16" per vane. When rotated, 2 1/8" vanes shall overlap not less than 3/8"; 3 1/2" vanes shall overlap not less than 3/8". Adjustments can be made to allow a 360 degree rotation.

AutoRotation is activated by traverse cord being spooled on sprocket extension. When traversing is attempted with vanes in closed position, the spool is turned rotating the rotation rod and opening vanes before traversing. Self-alignment is not acceptable.

Zirlon with AutoWand: additional specifications include

AutoWand Rotation consists of a fiberglass wand with Lexan handle to synchronize and actuate 360 degree rotation through a keyed aluminum rod actuating Delrin worm and spur gear in each carrier. Gears shall provide not less than 8-to-1 mechanical advantage and keep vanes fixed until reset by control. No cord or 1-to-1 ratio mechanism will be allowed. Spur and worm gear shall slip under extreme loading and be able to be realigned with no damage.

Traversing of vertical blinds shall be left to right or right to left. A fiberglass wand with Lexan handle shall traverse the lead carrier and gear assembly.

Headrail color: Anodized aluminum is the standard headrail color. Deep Bronze and Ivory are also standard colors available for a minimal per foot upcharge. Custom colors are available at an additional charge.

PART III – EXECUTION

3.01 INSPECTION

Window treatment subcontractor shall be responsible for inspection of site, field measurements, and approval of mounting surfaces and installation conditions.

Subcontractor shall verify that site is free of conditions that interfere with blind installation and operation, and shall begin installation only when any unsatisfactory conditions have been rectified.

3.02 INSTALLATION

Installation shall comply with LouverDrape specifications, standards, and procedures.

Provide support brackets as per LouverDrape's installation instructions.

See installation instructions packaged with blinds for more installation details.

Provide adequate clearance to permit unencumbered operation of blind and hardware.

Demonstrate blinds to be in uniform and smooth working order.

3.03 CLEANING

Vacuum fabric vanes lightly with brush attachment on a regular basis. Stains may be spot cleaned by sponging gently with mild detergent or fabric cleaner. Ensure proper drying following cleaning by providing adequate ventilation.

Clean soiled aluminum and PVC vanes by wiping clean with only a mild liquid detergent soap solution and water. Window cleaner or cloths with paper content should not be used on aluminum vanes. Do not use abrasive cleansers. Ensure proper drying following cleaning by providing adequate ventilation.