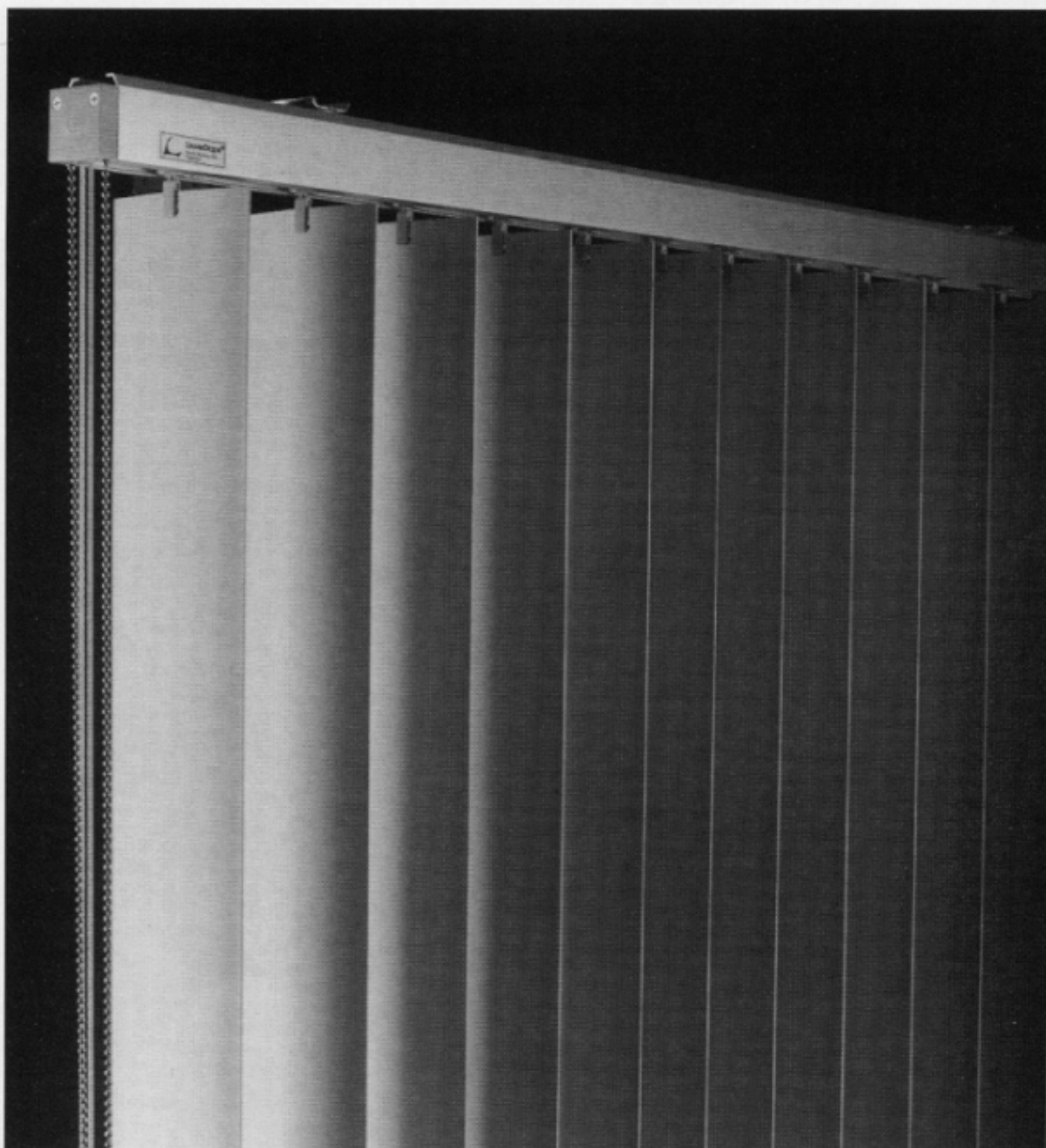


ZIRLON WHEELED SYSTEM

Versatile top quality vertical headrail system for commercial office applications.



Key Features:

- Carriers stack in $\frac{1}{3}$ less space
- Self-lubricating wheeled system glides smoothly
- Vanes rotate 360 degrees
- Available in several vane widths
- Easy to clean windows - vanes move away from control end effortlessly
- One Year Warranty
- Optional convenience features: AutoRotate and AutoWand

Product Overview

Exclusive to LouverDrape, the Zirlon Wheeled System was designed for durability and superior performance even when used by people unfamiliar with vertical blinds--such as in hospitals, schools and hotels.

The Zirlon system features carriers that are only $\frac{5}{16}$ " wide instead of the standard $\frac{7}{16}$ ", which means that the blinds will stack in considerably less space when drawn. For design purposes, the smaller stacking advantage also means that a smaller wall pocket is needed to contain the drawn blinds.

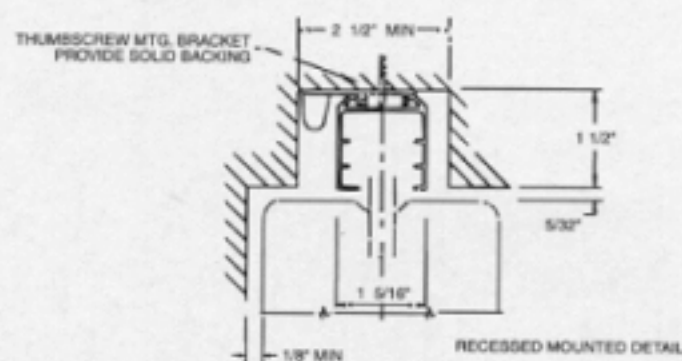
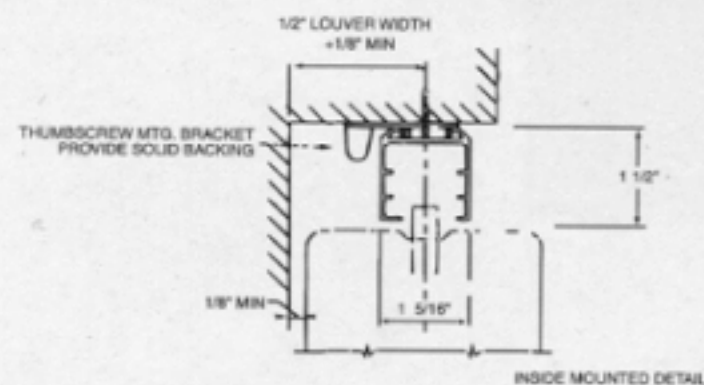
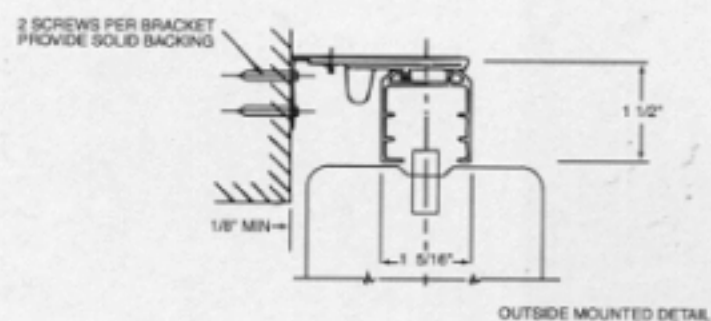
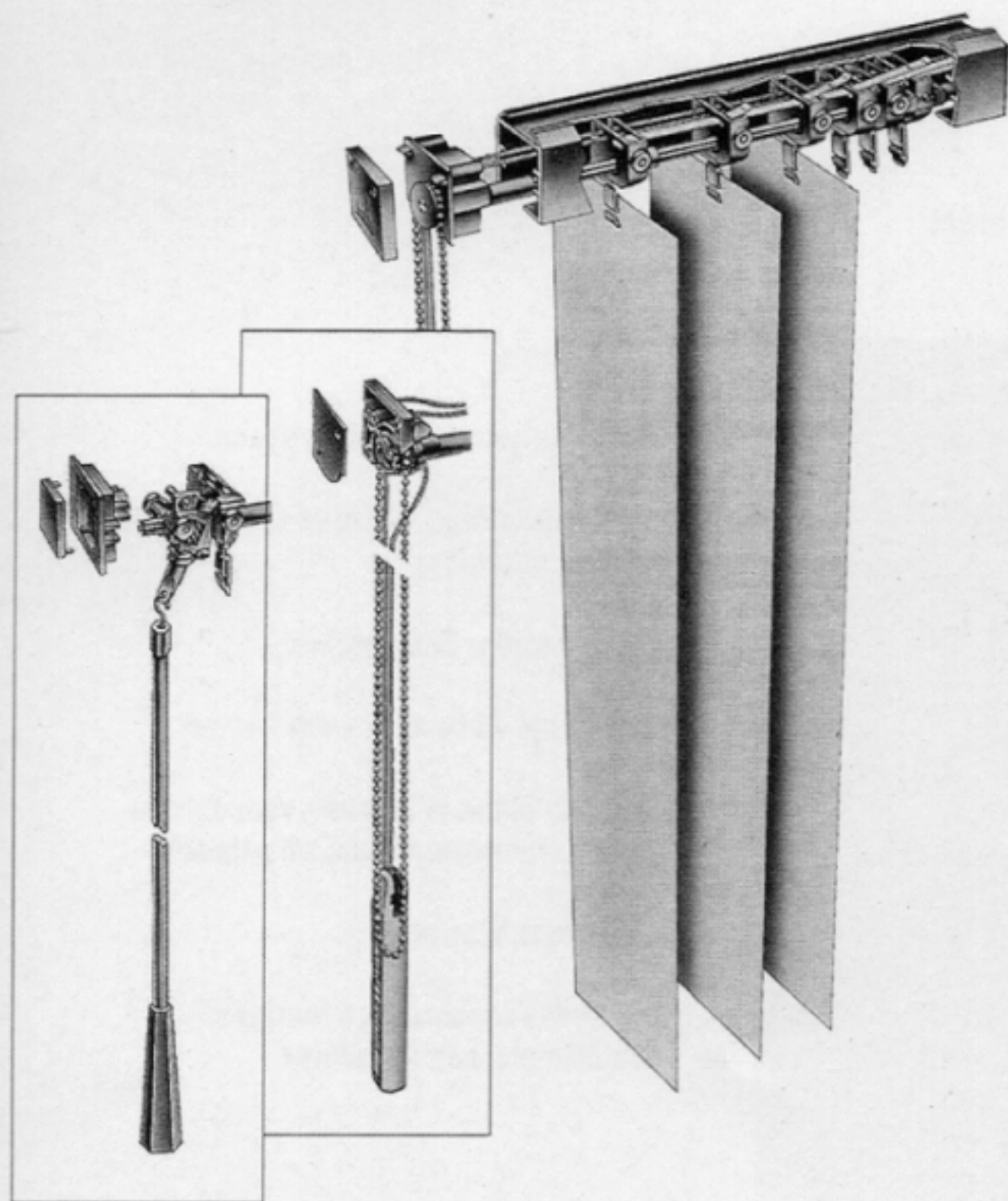
The Zirlon Wheeled Headrail System is compatible with LouverDrape's entire line of vinyl, vinyl with fabric insert, perforated vinyl and fabric vanes. In addition to the standard 3 $\frac{1}{2}$ " wide vanes, the Zirlon system can also accommodate 2 $\frac{1}{8}$ " mini-verticals in three styles of pearl and matte colors. This narrower vane is especially effective for smaller windows and interior relites.

Two options are available on the Zirlon Wheeled Headrail System which simplify the operation of the blinds:

AutoRotate automatically rotates vanes to the open position when the traverse cord is pulled. This exclusive LouverDrape option protects the lead carriers and connecting links from damage which may occur when attempting to traverse the blinds with the vanes in the closed position. Because the AutoRotate features eliminates vane jams, it is ideal for use in hospitals, schools, apartments, or condominiums where verticals may be operated by people unfamiliar with their use.

AutoWand replaces the usual cord and chain controls with a single plastic wand which opens and closes the vanes as well as glides them along the track to traverse the blinds. An especially desirable safety feature in schools and hospitals, AutoWand provides insurance against future service repairs.

ZIRLON WHEELED SYSTEM



Product Specifications

For more detailed specifications please reference Zirlon product Guide Specifications.

Part II -- Products

A. Zirlon Wheeled System Vertical Blind manufactured by Levolor Home Fashions

B. One Year Warranty

C. Materials:

- ☐ **Headrail** shall be of anodized extruded aluminum alloy 1 5/16" wide by 1 7/16" high. Headrail finish shall be (select one):
 - a. Clear anodized aluminum.
 - b. Deep Bronze (per foot upcharge).
 - c. Ivory (per foot upcharge).
 - d. Custom color (quoted upcharge).
- ☐ **Carriers** shall be made of Delrin and shall traverse on two Zirlon wheels. Each carrier shall be nominally 5/16" wide for minimal stack.
- ☐ **Rotation Control** shall consist of a #6 nickel-plated bead chain to synchronize and actuate 360 degree rotation.
- ☐ **Traversing Control** shall allow blinds to traverse left to right, right to left or split. Blinds shall traverse by means of a non-stretch traverse cord traveling along smooth surfaces.
- ☐ **Installation Brackets** shall be provided for overhead, wall or ceiling installations using the following:
 - a. Thumb clamps.
 - b. Angle brackets.
- ☐ **Vanes** shall be (select one):
 - a. Extruded PVC nominally 2 1/8" wide. Perforated option available.
 - b. Extruded PVC nominally 3" wide.
 - c. Extruded PVC nominally 3 1/2" wide. Perforated option available.
 - d. Extruded PVC nominally 4 3/8" wide.
 - e. Extruded PVC nominally 5" wide.
 - f. Fabric nominally 2 1/8" wide.
 - g. Fabric nominally 3 1/2" wide.
- ☐ **Options** shall include:
 - a. AutoRotate which allows vanes to automatically rotate to the open position when traverse cord is pulled.
 - b. AutoWand which uses a wand control to both rotate and traverse vanes.

LouverDrape®

Levolor Home Fashions
Contract Division
4110 Premier Dr.
High Point, NC 27265
1-800-221-6803

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Contract Customer Service
1-800-826-8021

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Zirlon with AutoWand & AutoRotate

12492/LEV
BuyLine 0967

AUTOWAND

With LouverDrape's exclusive AutoWand option, a twist of the easy-to-locate wand rotates the louvers. To traverse the louvers, the wand glides the louvers easily down the track. An especially desirable feature to specify in locations where people may be unfamiliar with vertical blind operation — such as schools and hospitals — AutoWand provides insurance against future service repairs!

Channel:

- Made of anodized extruded aluminum alloy.
- $1\frac{5}{16}$ " wide x $1\frac{7}{16}$ " high.
- Capped ends, provided with Delrin®, or equal, sprocket wheels. End caps are equipped with covers to enclose sprockets and rotation rod ends and rollers for traverse cord.
- Available with top channel only.

Carrier Trucks:

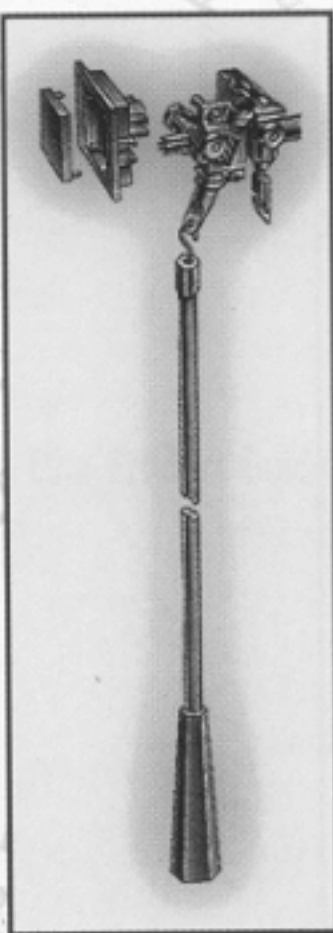
- Made of Delrin.
- $\frac{5}{16}$ " wide.
- Traverses on Zirlon wheels.
- No glides or sliders are allowed.

Spacer Links:

- Stainless steel.
- Flexible.
- $\frac{1}{4}$ " wide.
- Space and stabilize trucks by passing smoothly between stabilizer guides on each truck.

Louvers:

- Rotate 360°.



- Stack, when traversed, into no more than $\frac{5}{16}$ " per louver.
- When rotated, $2\frac{1}{8}$ " louvers overlap not less than $\frac{3}{8}$ "; $3\frac{1}{2}$ " overlap not less than $\frac{3}{8}$ ".

AutoWand Rotation:

- Fiberglass wand with Lexan® handle synchronizes and actuates 360° rotation through a keyed aluminum rod actuating Delrin worm and spur gear in each truck.
- Gears provide not less than 8-to-1 mechanical advantage and keep louvers fixed until reset by control.
- No cord or 1-to-1 ratio mechanisms will be allowed.
- Spur and worm gear should slip under extreme loading and be able to be realigned with no damage.

Traversing:

- Traverse left to right, right to left, and split draw.
- Fiberglass wand with Lexan handle traverses the lead truck and gear assembly.

Options:

Channel Color:

- Anodized aluminum is standard.
- Deep Bronze and Ivory colors available for a minimal per foot upcharge.
- Custom colors available at additional charge.

Louver Spacing:

- Normal louver spacing on center is $\frac{3}{8}$ of an inch less than the louver size.
- Louver width: $2\frac{1}{8}$ " Spacing on center: $1\frac{3}{4}$ "
- Louver width: $3\frac{1}{2}$ " Spacing on center: $3\frac{1}{8}$ "

Channel Installation:

- Bracket or surface installation using:
 1. Thumb Clamps
 2. Angle Brackets
 3. Direct Mount Screws

Wand Sizes:

- Standard sizes — 30" and 54".

AUTOROTATE

An exclusive option available on Zirlon headrails, AutoRotate automatically rotates louvers to the open position when the traverse cord is pulled. This protects the lead carriers and connecting links from damage which may occur when attempting to traverse the blinds when the louvers are in the closed position. Because the AutoRotate feature eliminates louver jams, it is ideal for use in hospitals, schools, apartments or condominiums — anywhere verticals are operated by people unfamiliar with their use.

Channel:

- Head channel made of anodized extruded aluminum alloy.
- $1\frac{5}{16}$ " wide x $1\frac{7}{16}$ " high.
- Capped ends, provided with Delrin, or equal, sprocket wheels.
- End caps equipped with covers to enclose sprockets and rotation rod ends and rollers for traverse cord.
- Available with top channel only.

Carrier Trucks:

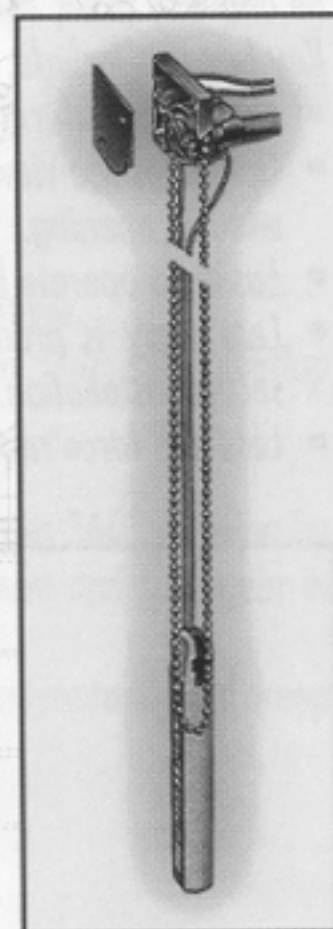
- Made of Delrin.
- $\frac{5}{16}$ " wide.
- Traverses on Zirlon wheels.
- No glides or sliders are allowed.

Spacer Links:

- Flexible.
- $\frac{1}{4}$ " wide.
- Stainless steel.
- Spacer links space and stabilize trucks by passing smoothly between stabilizer guides on each truck.

Louvers:

- Rotate 180°
- Stack, when traversed, into no more than $\frac{5}{16}$ " per louver.



- When rotated, $2\frac{1}{8}$ " louvers overlap not less than $\frac{3}{8}$ "; $3\frac{1}{2}$ " overlap not less than $\frac{3}{8}$ ".
- Adjustments can be made to allow a 360° rotation.

Auto-rotation:

- #6 nickel-plated bead chain synchronizes and actuates 180° rotation by turning a keyed aluminum rod actuating Delrin worm and spur gear in each truck.
- Gears provide no less than 8-to-1 mechanical advantage and keep louvers fixed until reset by control.
- No cord or 1-to-1 ratio mechanisms will be allowed.
- Spur and worm gear slips under extreme loading and is able to be realigned with no damage.
- Initiation of traversing with the louvers closed automatically rotates louvers to open position.
- Not the same as self-alignment.
- Activated by traverse cord being spooled on sprocket extension.
- When traversing is attempted with louver in closed position, the spool is turned rotating the rotation rod and opening louvers before traverse.
- Self-alignment is not acceptable.

Traversing:

- Left to right, right to left or split.
- Traverse by means of a non-stretch cord.

Options:

Channel Color:

- Anodized aluminum is standard.
- Deep Bronze and Ivory colors available for a minimal per foot upcharge.
- Custom colors available at additional charge.

Louver Spacing:

- Normal louver spacing on center is $\frac{3}{8}$ of an inch less than the louver size.
- Louver width: $2\frac{1}{8}$ " Spacing on center: $1\frac{3}{4}$ "
- Louver width: $3\frac{1}{2}$ " Spacing on center: $3\frac{1}{8}$ "

Channel installation:

- Bracket or surface installation using:
 1. Thumb Clamps
 2. Angle Brackets
 3. Direct Mount Screws



ZIRLON WHEELED SYSTEM

Versatile top quality vertical headrail system for commercial office applications.

PART I – GENERAL

1.01 SCOPE

- A. 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.
- B. Related work specified elsewhere.

1.02 QUALITY ASSURANCE

- A. Installer's qualifications:
 - 1. The installer shall be a firm approved by Levolor Home Fashions Contract Division.
 - 2. The installer shall be qualified to install the product specified, as demonstrated by prior experience.
- B. Job mock-up: (Describe)

1.03 SUBMITTALS

- A. Product information: Submit LouverDrape product literature and installation instructions.
- B. Shop drawings: Indicate field-measured dimensions of opening which are to receive blinds, details on mounting surface and sill conditions, and details of corners and conditions between adjacent blinds.
- C. Color samples: Submit a sample of each type and color of material specified.

1.04 DELIVERY, STORAGE, AND HANDLING

- A. Packing and Shipping
 - 1. Materials shall be delivered to the Project in LouverDrape's original unopened packaging with labels intact.
- B. Storage:
 - 1. Materials shall be stored in a clean area which is free of corrosive fumes, dust, and away from construction activities.
 - 2. 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.

3. 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)

- A. Roof must be tight, windows and frames installed and glazed, and interior doors hung.
- B. Wet work including concrete, masonry, plaster, stucco, terrazzo, sheetrock, spackling, and taping (including sanding) shall be complete and dry.
- C. Ceilings, window pockets, electrical, and mechanical work above the product shall be complete.
- D. Electrical power (110 volt AC) shall be available for installer's tools within 500 ft. of product installation areas.

1.06 WARRANTY

- A. 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:

- A. Acceptable product: LouverDrape Zirlon Wheeled System Vertical Blind Headrail System manufactured by Levolor Home Fashions.
- B. Materials:
 - 1. 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.

2. 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.

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

4. 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".

5. 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.

6. 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.

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

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

9. 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.

Brackets shall be designed to facilitate installation and removal of track.

10. 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"

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

a. 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:

- i. Widths:
 - nominally 2 1/8" wide
 - nominally 3" wide
 - nominally 3 1/2" wide
 - nominally 4 3/8" wide
 - nominally 5" wide
- ii. 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.

b. Fabric vanes shall be available in two styles:

i. 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.

ii. 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.

12. Options shall include:

a. Zirlon with AutoRotate: additional specifications include

i. 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.

ii. 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.

b. Zirlon with AutoWand: additional specifications include

i. 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.

ii. 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.

c. 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.

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

- A. Installation shall comply with LouverDrape specifications, standards, and procedures.
- B. Provide support brackets as per LouverDrape's installation instructions.
- C. See installation instructions packaged with blinds for more installation details.
- D. Provide adequate clearance to permit unencumbered operation of blind and hardware.
- E. Demonstrate blinds to be in uniform and smooth working order.

3.03 CLEANING

A. 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.

B. 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.

 **LouverDrape®**

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Contract Division

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PART III — EXECUTION

3.01 INSPECTION