LIFT APPLICATION GUIDELINES

ACCESSOR I – MODEL VMW-09
ACCESSOR II – MODEL VMX-07
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GENERAL INFORMATION

PURPOSE

LIFT-U® has prepared this document for the purpose of providing building owners and owner representatives such as architects, contractors, and installers with information specific to design planning, special provisions, installation considerations, and regulatory compliance responsibility relevant to the LIFT-U® Accessor I Model VMW and Accessor II Model VMX Vertical Platform Lifts, hereinafter referred to as VMW and VMX respectively.

The information presented in this document is fairly generic for VMW and VMX lift applications and not intended to address every detail or special conditions that may be encountered on a project.

PRODUCT OVERVIEW

By way of introduction, the VMW and VMX lift models are not conventional Vertical Platform Lifts comprised of a car with platform mounted sidewalls, but rather the VMW and VMX are comprised of a platform that raises and lowers within the confines of stationary millwork walls and the closed entrance/exit doors hingedly attached thereto. Subsequently, the lift layout is customized for each application.

SUITABLE LIFT APPLICATIONS

The VMW and VMX Vertical Platform Lifts are specifically designed for use in courtrooms to facilitate mobility-impaired judges, witnesses, clerks, and jurors, but are also well suited for elevated stage rostrums such as church pulpits and meeting chamber podiums to provide accessibility to mobility-impaired clergy and public speakers.
APPLICATION GUIDELINES

LIFT MODEL SELECTION

Accordion I Model VMW
1. The four (4) screw jack column design permits the lift to be installed directly on the lower landing floor without the need for a pit.
2. The lift screw columns, base frame, and drive train are encased in millwork walls surrounding the lift platform, thus requiring the coordination of other trades.
3. The drive motor and electronics are located under the upper landing.
4. Refer to exemplar Lift Configuration drawing 910-0091 which is included in this document.

Accordion II Model VMX
1. The lever-screw design requires the lift to be installed in a pit or sub-floor at least 6 inches below the lower landing floor; LIFT-U recommends 7 inches.
2. The lift drive mechanism, motor, and electronics are oriented under the upper landing, thus minimizing the influence on millwork walls surrounding the lift platform.
3. Refer to exemplar Lift Configuration drawing 910-0092 which is included in this document.

For graphic illustration of these design differences and the variables to consider when planning for a particular lift application, as well as LIFT-U’s recommended interface design principles for the lift and optional equipment, refer to exemplar Lift Configuration drawings 910-0091 and 910-0092 along with the following drawings included near the back portion of this document:
1. 910-0026, VMW Lift / Millwork Interface
2. 910-0042, Roll-up Barrier / Millwork Interface
3. 910-0054, Step Module / Millwork Interface
4. 910-0055, Door Set-up Alternatives
5. 910-0056, Strike Latch / Millwork Interface
6. 910-0085, Operable Step / Millwork Interface
7. 910-0088, Roll-Up Barrier Overview
8. 910-0089, Retractable Step Overview
9. 910-0090, Operable Step Overview
10. 910-0093, Electromagnetic Door Holder / Millwork Interface

To further facilitate the architectural design process, design files such as 2D CAD and Revit 3D RFA models are available online at Autodesk Seek; http://seek.autodesk.com/. Simply type LIFT-U in the search field; then on LIFT-U’s product page select either Accordion I or Accordion II. There you will find several design files as well as additional product information that can be downloaded. The design files may be edited to suit each lift application.

PLATFORM SIZE AND DOOR OPENING LIMITATIONS

The advantage of using the VMW or VMX is that the platform size and layout can be customized for each application, as well as orientation and placement of the entrance/exit doors.
Be advised, there are certain limitations to be aware of with respect to minimum and maximum dimensions. The minimum platform size and minimum door opening are contingent upon door orientation, i.e., whether the lift provides straight through access or involves a 90 degree turn for the wheelchair-bound passenger. For illustration of available orientations and preferred minimum dimensions refer to template layout drawings 910-0064 thru 910-0071 for the VMW and 910-0072 thru 910-0078 for the VMX near the back portion of this document.

Further, the maximum platform size is preferably no greater than 25 sq. ft. However, certain applications may be cause for exception and must be evaluated on a case-by-case basis.

The best method to prevent exceeding the 25 sq. ft. maximum platform size, particularly for courtroom lift applications where the witness stand or clerk bench footprint may be larger than 25 sq. ft., is to include the LIFT-U® Roll-up Barrier in the witness/clerk landing. Since space in the interior of the witness stand or clerk bench is typically too restrictive for a hinged self-closing door, the LIFT-U® Roll-up Barrier is a practical alternative. The Roll-up Barrier is also practical for non-courtroom lift applications when door swing is an issue. The Roll-up Barrier is illustrated in context on drawing 910-0088, Roll-up Barrier Overview. Additional details are shown on drawing 910-0042, titled Roll-up Barrier/Millwork Interface. Both drawings are included near the back portion of this document.

ACCESSOR SPECIFICATIONS

1. Platform dimensions vary for each application.
2. Lift capacity (maximum operating load):
   - 750 lbs for platforms less than or equal to 18 ft².
   - 1050 lbs for platforms greater than 18 ft².
3. Speed is 10 ft./min. maximum.
4. Maximum vertical travel is limited to 24 inches.
5. Manual lowering device is included.
6. Factory finish for all steel framework is black powder-coat.
7. Power source requirements are 115 VAC, 15 amp, 3 wire, single-phase service.

COMPONENTS SUPPLIED BY LIFT-U®

The lift package as delivered includes the following:

1. Lift Assembly.
2. Threshold Ramp (if applicable).
3. Electrical Control Panel with Lockable Disconnect.
4. Operator Control Stations (call buttons).
5. Electric Strike Latches.
7. Anchor Bolts.
8. Roll-up Barrier Module (if applicable).
9. Retractable Step Module (if applicable).
11. Fixed Riser – VMX (if applicable).
12. Battery Back-up / UPS (if applicable).
13. Operable Step (if applicable).
14. Electromagnetic Door Holder (if applicable)
REGULATORY REQUIREMENTS

Vertical Platform Lift design, construction, installation, operation, inspection, testing, maintenance, and repair is specified in Standards developed and published by The American Society of Mechanical Engineers (ASME), entitled ASME A18.1 Safety Standard For Platform Lifts And Stairway Chairlifts. The ASME Standard is intended to serve as the basis for state, municipal, and other jurisdictional authorities in drafting regulations governing Vertical Platform Lifts. With respect to A18.1 effectivity in each jurisdiction, the edition date in effect established by the local jurisdiction may vary; therefore, the local regulations from the authority having jurisdiction (AHJ) must be reviewed prior to each lift installation.

For ASME A18.1 references sited in this document, the latest 2008 edition is used.

Regarding ASME A18.1, Section 2 categories: 1) Refer to Section 2.1.4 for courtroom lift applications; and 2) For non-courtroom lift applications the Accessor can be characterized in part as having a “Runway Enclosure Provided”, reference para. 2.1.1. Due to architecturally desired features, certain VMW and VMX applications may not comply “to the letter” with all the requirements specified in the A18.1 Standard. In those cases, a variance must be requested for certain specification deviations from the authority having jurisdiction. Typically a variance application for the VMW and VMX will address items such as platform size, stationary millwork walls, millwork wall height and door height, and intermediate landing guard (if applicable). If a variance is necessary LIFT-U® will, on behalf of the building owner, facilitate expediting the variance application.

The basis for a variance request is expressly permitted by A18.1 para. 1.2, which states:

“The purpose of this Standard is to provide for the safety of life and limb, and to promote the public welfare.

The provisions of this Standard are not intended to prevent the use of systems, methods, or devices of equivalent or superior quality, strength, fire resistance, effectiveness, durability, and safety to those prescribed by this Standard provided that there is technical documentation to demonstrate the equivalency of the system, method, or device.

The specific requirements of this Standard shall be permitted to be modified by the authority having jurisdiction based upon technical documentation or physical performance verification to allow alternative arrangements that will assure safety equivalent to that which would be provided by conformance to the corresponding requirements of this Standard.”

For A18.1 regulations applicable to the other trades involved with either the VMW or VMX lift installation, refer to the section entitled, Regulatory Compliance by Others, on page 8 of this document.
RESPONSIBILITY OF OTHERS

SCOPE OF WORK BY OTHERS

The design, materials, construction, and installation of the following items are the responsibility of others.

1. Lift support structure/foundation.
2. Site preparations, including main electrical power connection to lift power input.
3. Prior to installation, placement of lift must be defined. Chalk lines may be used to outline exact lift location.
4. Building elements and millwork that encase the lift mechanism adjacent to and surrounding the lift platform, including but not limited to structural framing and veneered panel finishes.
5. Doors, including self-closing spring hinges.
6. Installation of lift control panels (supplied by LIFT-U®).
7. Installation of door strike latches (supplied by LIFT-U®).
8. Illumination of lift area.
9. Platform floor covering material.
10. Removable step (if applicable).

INTERFACE REQUIREMENTS

Space and structural provisions shall be provided in building elements and millwork to accommodate the lift assembly, motor, and electronics. As non-limiting examples, the following features shall be included:

1. Adequate clear space is required under the upper landing for the lift drive mechanism, motor, and electronics.
2. A service hatch is required in the upper landing floor approximate to the motor and electronics. The size of the service hatch shall be sufficient for access to the main power disconnect and to facilitate maintenance.
3. Cutout reliefs in the millwork are required for lift frame clearance and operational lift elements.
4. Interior millwork panels adjacent to the lift platform shall be smooth.
5. With respect to the VMW, the interior millwork panels are to be made removable to facilitate lift maintenance.
6. Running clearance between platform edges and adjacent millwork surfaces shall be no less than 0.375 inch nor more than 0.75 inch.

Refer to applicable Lift Configuration drawing for layout, orientation, and controlling dimensions for each project.
REGULATORY COMPLIANCE BY OTHERS

The ASME A18.1 specifies requirements for the design, construction, installation, operation, inspection, testing, maintenance, and repair for Vertical Platform Lifts.

With respect to the VMW and VMX installation, while LIFT-U® is required to certify that the lift complies with the A18.1 Standard and any variance decisions granted by the AHJ, there are certain requirements associated with elements necessary for the installation of a complete lift system that are not provided by LIFT-U®, and therefore require the cooperation of other trades contracted by the building owner. Subsequently, these other trades are responsible for compliance with the A18.1 requirements related to their respective work. These elements are itemized in the Scope of Work by Others noted on page 7 of this document.

LIFT-U® hereby advises the building owner, or owner’s designated representative, of the owner’s responsibility to communicate the applicable A18.1 requirements to the appropriate trades. To facilitate this effort, LIFT-U® has summarized below the A18.1 requirements that other trades involved with the lift installation must comply with - refer to the A18.1 Standard for complete text.

Applicable to Courtroom Lift Installations

2.1.4.1 Upper Landing Entrance
- A door measuring at least 36 inches high shall guard the entrance. Refer to the Lift Configuration drawing and variance decision for allowable door/guard height deviation.
- Door shall be unperforated.
- Door shall be self-closing.
- Door shall be capable of withstanding 125 lbf applied on any 4 inch by 4 inch area without permanent deformation.
- Door shall be located not more than 3 inches from the platform sill. LIFT-U® recommends locating the door flush with the upper landing fascia.

2.1.4.4 Vertical Fascia
- A vertical fascia shall be provided from the upper landing sill and any intermediate landing sill to the lower landing and shall guard the full width of the platform.
- If openings are necessary in the fascia for operation, they shall reject a ball 0.5 inch in diameter.
- Fascia shall be capable of withstanding 125 lbf applied on any 4 inch by 4 inch area without permanent deformation.
- Clearance between the fascia and platform edge shall not be less than 0.375 inch nor more than 0.75 inch.

2.1.4.5 Lower Landing Entrance
- A door measuring at least 36 inches high shall guard the entrance. Refer to the Lift Configuration drawing and variance decision for allowable door/guard height deviation.
- Door shall be unperforated.
- Door shall be self-closing.
• Door shall be capable of withstanding 125 lbf applied on any 4 inch by 4 inch area without permanent deformation.
• Clearance between the door and platform edge shall not be less than 0.375 inch nor more than 0.75 inch.

2.1.4.6 Stationary Runway Guards *[millwork sidewalls]*
• Sides of the platform not used for entrance or exit shall be guarded by stationary millwork walls that extend to a height of at least 36 inches above the lower landing. *Refer to the Lift Configuration drawing and variance decision for allowable wall height deviation.*
• Millwork walls shall be unperforated.
• Openings necessary for lift operation shall reject a ball 0.5 inch in diameter.
• Clearance between stationary millwork walls and the platform edge shall not be less than 0.375 inch nor more than 0.75 inch.

2.1.4.7 Doors / Guards
• Doors shall be provided with a combination mechanical lock and electric contact. *LIFT-U® furnishes the electric strike latches and associated wiring to interface with the lift control system, which are incorporated by other trades.*

### Applicable to Non-Courtroom Lift Installations

2.1.1.1 Runway Guards
• Millwork wall height shall extend from the lower landing to at least 42 inches above the uppermost landing. *Refer to the Lift Configuration drawing and variance decision for allowable wall height deviations.*
• Millwork walls shall be capable of withstanding 125 lbf applied on any 4 inch by 4 inch area without permanent deformation.
• Millwork wall interior surfaces on all sides facing the lift platform shall be smooth.

2.1.1.2 Upper Landing Entrance
• A door measuring at least 42 inches high shall guard the entrance. *Refer to the Lift Configuration drawing and variance decision for allowable door/guard height deviation.*
• Door shall be unperforated.
• Door shall be self-closing.
• Door surface facing the lift platform shall be smooth.
• Door shall be located not more than 3 inches from the platform sill. *LIFT-U® recommends locating the door flush with the upper landing fascia.*

2.1.1.3 Lower and Intermediate Landing Entrance
• The entrance opening shall be at least 79 inches high. A door shall guard the entire opening except for space necessary for operation. Space necessary for operation shall reject a 0.5 inch diameter ball. *Refer to the Lift Configuration drawing and variance decision for allowable door/guard height deviation.*
• Door shall be unperforated.
• Door shall be self-closing.
• Door surface facing the lift platform shall be smooth.
• Door shall be located 0.375 inch to 0.75 inch from the edge of the platform floor.

2.1.1.4 Doors
• Doors shall be provided with a combination mechanical lock and electric contact. **LIFT-U® furnishes the electric strike latches and associated wiring to interface with the lift control system, which are incorporated by other trades.**
• Doors shall be capable of withstanding 125 lbf applied on any 4 inch by 4 inch area without permanent deformation.

Applicable to Both Courtroom and Non-Courtroom Lift Installations

2.1.1.5 Protrusions
• No hardware shall project beyond the vertical line of travel of the platform. **For witness stands that may include a desk or counter top positioned within the vertical line of travel of the platform, LIFT-U® recommends desk and counter tops either be mounted to the lift platform and thus move with the lift, or be hinge mounted to the millwork or removable to prevent a potential hazard to the passenger.**

2.1.1.6 Platform Running Clearance
• The running clearance between the entrance and exit sides of the platform floor and the interior of the runway enclosure [millwork walls] shall not be less than 0.375 inch nor more than 0.75 inch.

2.1.5 Pipes in Runway Vicinity
• No piping is permitted in the runway [lift footprint].

2.1.8 Structural Support
• The structure on which the equipment is installed shall be capable of safely supporting the loads imposed. **LIFT-U® provides the building owner, or owner’s representative, with the appropriate load data.**

2.1.9 Headroom Clearance
• Headroom clearance throughout the range of travel shall be not less than 79 inches as measured vertically from the platform floor. **Refer to the Lift Configuration drawing for lift operational envelope dimensions.**

2.2.4.2 Brackets, Fastenings, and Supports
• The guide-rail brackets, their fastenings and supports, such as building beams and walls, shall be capable of resisting the horizontal forces imposed by rated load with a total deflection to the point of support not in excess of 0.125 inch. [Related to millwork walls that encase the VMW screw columns].

2.2.7 Design and Strength of Brackets and Supports
• The building construction forming the supports for the guide rails, and the guide-rail brackets, shall be designed to safely withstand the application of the platform when
stopping the platform and its rated load; and withstand the forces specified in para. 2.2.4.2 within the deflection limits specified.
Where necessary, the building construction shall be reinforced to provide adequate support for the guide rails. [Related to millwork walls that encase the VMW screw columns].

2.3.6 Guiding Member Enclosures
- The guiding members shall be guarded to prevent accidental contact. Any openings necessary in guards for operation, they shall reject a ball 0.75 inch in diameter. [Related to millwork walls that encase the VMW screw columns].

2.5.8 Guarding
- All suspension means shall be guarded against accidental contact. Suspension means, which operate within a guide or track and travel at the same speed and in the same direction as the platform shall be considered suitably guarded. [Related to millwork walls that encase the VMW screw columns or VMX mechanism].

2.6.6 Illumination
2.6.6.1 At the threshold of the floor, with the landing door open, the minimum illumination shall be not less than 5 ftcc (50 lx).
2.6.6.2 During operation, the minimum illumination on the floor and controls shall be not less than 5 ftcc (50 lx).
2.6.6.3 An auxiliary illumination source to provide general illumination of not less then 0.2 ftcc (2.2 lx) on the floor and controls shall be provided. The auxiliary system shall be automatically activated when normal illumination power fails and shall be capable of maintaining the above illumination intensity for a period of not less than 4 hr and shall use no fewer than two lamps of approximately equal wattage.

2.10.1 Operator Control Stations
- Controls shall be located between 48 inches maximum and 15 inches minimum above the platform floor or facility floor or ground level.
NOTES:

THIS DRAWING IS GENERIC AND PROVIDED TO ILLUSTRATE LIFT-U'S RECOMMENDED LIFT / MILLWORK INTERFACE. FOR EACH PROJECT APPLICATION REFER TO ITS CORRESPONDING LIFT CONFIGURATION DRAWING FOR GENERAL ARRANGEMENT LAYOUT AND LIFT ENVELOPE DIMENSIONS.

ALL MILLWORK FRAMING AND VENEERED PANEL FINISHES ENCASING THE LIFT ARE FURNISHED AND INSTALLED BY OTHERS. THE VMW LIFT MECHANISM (i.e., SCREW_COLUMNS, BASE FRAME, AND DRIVE TRAIN) IS ENCASED IN MILLWORK WALLS SURROUNDING A LIFT PLATFORM THAT TRAVELS UP AND DOWN. SINCE THE MILLWORK IS FURNISHED AND INSTALLED BY OTHERS THE INTERFACE OF THE MILLWORK TO THE LIFT IS CRITICAL TO A SUCCESSFUL INSTALLATION. WHEREIN THE MILLWORK WALL SYSTEM IS NOT ONLY STRUCTURALLY SOUND AND AESTHETICALLY APPEALING, BUT JUST AS IMPORTANT SPECIFIC PROVISIONS AND CLEARANCES TO ACCOMMODATE CERTAIN LIFT ELEMENTS ARE ALSO INCLUDED IN THE MILLWORK TO ENSURE PROPER LIFT OPERATION AND SERVICABILITY.

ONLY A SMALL SEGMENT OF MILLWORK WALL AND ONE SCREW_COLUMN IS SHOWN ON THIS DRAWING. THE SAME DESIGN PRINCIPLES CAN BE APPLIED TO THE OTHER WALLS BORDERING THE LIFT.
LIFT PLATFORM

SECTION A-A

DOOR JAM IS SHOWN CUT INTO INTERIOR PANEL. JAM CONFIGURATION MAY VARY TO SUIT DOOR AND MILLWORK DESIGN.

SECTION B-B

EXTERIOR PANEL OR BLOCKING MATERIAL MAY BE FASTENED TO SCREW COLUMN ANGLES

SECTION C-C

NAILER MAY BE FASTENED TO BASE FRAME

SECTION D-D

CABLE RACEWAY

MILLWORK FINISH TREATMENT SUCH AS TOP CAP AND EXTERIOR TRIM DETAILS TBD BY MILLWORK DESIGNER

FRAME STRINGERS

LIFT BASE FRAME

PLATFORM CARRIAGE BRACKET

LIFT PLATFORM

INTERIOR PANEL TO BE FASTENED TO SCREW COLUMN ANGLES

PROVIDE HOLES FOR ROUTING ELECTRICAL CABLES

PROVIDE OPENING IN STRINGER AT SCREW COLUMN TO ACCESS BEARING FASTENERS

SHEET METAL ANGLES ON SCREW JACK COLUMNS FACILITATE THE ATTACHMENT OF MILLWORK FRAMING AND VENEERED PANELS

INTERIOR SURFACES WITHIN THE RANGE OF LIFT MOTION MUST BE SMOOTH

LIFT PLATFORM

25.69
(TALL COLUMN)

10.60
(SHORT COLUMN)

.50

.75

5.50
MIN

.75

CABLES PROVIDE OPENING IN STRINGER

PROVIDE HOLES FOR ROUTING ELECTRICAL CABLES

PROVIDE HOLES FOR ROUTING ELECTRICAL CABLES
The interior panels should be made removable to provide access to level switches and enable service or replacement of screw jacks, gearboxes, and drive shafts.

- Cut relief in framing adjacent to the strike latch for wire clearance.
- Electric strike latch.
- Millwork structural framing.
- Platform carriage bracket.
- Lift screw column (tall column shown, 12" shorter column available).
- Platform control station.
- Latch for wire clearance.
- Gearboxes, and drive shafts.
- Provide openings for mounting control stations and routing cables.
- Perspective view of wall segment.

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NOTES:
THIS DRAWING IS GENERIC AND PROVIDED TO ILLUSTRATE LIFT-U'S RECOMMENDED ROLL-UP BARRIER / MILLWORK INTERFACE.

THE ROLL-UP BARRIER PORTAL WIDTH, VERTICAL GUIDES, AND EXTENDED BARRIER HEIGHT WILL VARY FOR EACH APPLICATION. THEREFORE, FOR EACH PROJECT APPLICATION REFER TO ITS CORRESPONDING LIFT CONFIGURATION DRAWING FOR GENERAL ARRANGEMENT LAYOUT, LIFT ENVELOPE DIMENSIONS, AND ROLL-UP BARRIER MODULE DIMENSIONS.

ALL MILLWORK FRAMING AND VENEERED PANEL FINISHES ENCASING THE LIFT ARE FURNISHED AND INSTALLED BY OTHERS.
1) Pan installs first. Use flat head wood screw to attach pan to witness floor.

2) Remove cover to install fasteners that mate the roll-up barrier module to pan. Re-assemble cover.

3) Secure vertical guides to adjacent millwork walls with flat head wood screws. Shim gap as required.

Floor covering material (by others)

Barrier vertical guides may be dressed out with trim (by others)

Roll-up barrier module

Roll-up barrier pan

Perspective view

Millwork floor and framing to be constructed to support and accommodate roll-up barrier module.

Roll-up barrier / millwork interface

Lift platform

All millwork, including structural framing and veneered panel finishes, are by others.
PERSPECTIVE VIEW

PLAN VIEW

NOTES:

THIS DRAWING IS GENERIC AND PROVIDED TO ILLUSTRATE LIFT-U’S RECOMMENDED RETRACTABLE STEP MODULE / MILLWORK INTERFACE.

THE RETRACTABLE STEP MODULE HEIGHT AND WIDTH WILL VARY FOR EACH APPLICATION. THEREFORE, FOR EACH PROJECT REFER TO ITS CORRESPONDING LIFT CONFIGURATION DRAWING FOR GENERAL ARRANGEMENT LAYOUT, LIFT ENVELOPE DIMENSIONS, AND STEP MODULE DIMENSIONS.

ALL MILLWORK FRAMING AND VENEERED PANEL FINISHES ENCASING THE LIFT, AND FLOOR JOIST FRAMING USED TO FASTEN AND SUPPORT THE STEP MODULE ARE FURNISHED AND INSTALLED BY OTHERS.
SECTION A-A

STEP MODULE ENCLOSURE

RETRACTABLE STEP

PLATFORM CARRIAGE BRACKETS TO ALLOW VERTICAL TRAVEL OF RELIEF SLOTS IN INTERIOR PANEL

STEP MODULE HANGER PLATES

STEP MODULE SUPPORT BRACKET (IF APPLICABLE)

RELIEF SLOTS IN INTERIOR PANEL TO ALLOW VERTICAL TRAVEL OF PLATFORM CARRIAGE BRACKETS

24.88

11.00

3 EQ RISERS MAX 7" EACH

VARIES

FINISHED MILLWORK INTERIOR PANEL

DETAIL D

RISER FASCIA SHOULD BE MADE REMOVABLE TO ENABLE SERVICE OR REPLACEMENT OF STEP MODULE

TOP OF LIFT PLATFORM

LIFT PLATFORM CHANNEL

LIFT BASE CHANNEL

50 NOMINAL CLEARANCE

FASCIA OPNG

SR = STEP RISE

SR = STEP RISE + .63

SR = STEP RISE -.50"

SR = STEP RISE

RISER FASCIA

SR = STEP RISE

SR = STEP RISE + .63

SR = STEP RISE -.50"

SR = STEP RISE

SR = STEP RISE

SR = STEP RISE

SR = STEP RISE

SR = STEP RISE

SR = STEP RISE

SR = STEP RISE

SR = STEP RISE

SR = STEP RISE

SR = STEP RISE

SR = STEP RISE

SR = STEP RISE
**SECTION B-B**

MIN FASCIA OPNG = SW +1.00

SW = STEP WIDTH

.50

0.50 NOMINAL CLEARANCE

FINISHED MILLWORK INTERIOR PANEL

LAG SCREW OR CARRIAGE BOLT STEP MODULE HANGER PLATE TO FLOOR JOIST

LIFT PLATFORM

STEP MODULE

RISER FASCIA

SCREW JACK COLUMN

**SECTION C-C**

STEP MODULE SUPPORT BRACKETS (IF APPLICABLE) MAY BE REMOVED AFTER THE HANGER PLATES ARE FASTENED TO FLOOR JOISTS

SW = STEP WIDTH

SW +1.38

VARIES

DETAIL E

DETAIL F

LAG SCREW OR CARRIAGE BOLT STEP MODULE HANGER PLATE TO FLOOR JOIST

PLATFORM CARRIAGE BRACKET

INTERIOR PANEL

DETAIL E

FINISHED MILLWORK

LIFT-U

A DIVISION OF

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STEP MODULE / MILLWORK INTERFACE

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PREPARED ATTACHMENT: LAG SCREW OR CARRIAGE BOLT STEP MODULE HANGER PLATES TO FLOOR JOIST. FASTENERS ARE SUPPLIED AND INSTALLED BY OTHERS.

FLOOR JOIST SPACING TO CORRESPOND WITH STEP MODULE HANGER PLATES.

THE STEP MODULE IS SUSPENDED BELOW THE UPPER LANDING FLOOR BY FASTENING THE HANGER PLATES (INCLUDED WITH THE STEP MODULE) TO FLOOR JOISTS. ALTERNATIVELY, SUPPORT BRACKETS (INCLUDED WITH MOST APPLICATIONS), WHICH ARE INTENDED TO FACILITATE INSTALLATION OF THE STEP MODULE BEFORE THE MILLWORK IS COMPLETE, MAY BE MADE PERMANENT BY ANCHORING TO THE FLOOR, BUT MUST ALSO BE SECURED LATERALLY FOR STABILITY, e.g., BRACE TO ADJACENT STRUCTURE OR UTILIZE HANGER CONNECTION TO FLOOR JOISTS. LIFT-U FURNISHES THE ANCHOR BOLTS TO EXERCISE THIS OPTION.

JOISTS ABOVE STEP MODULE USED TO FRAME THE ACCESS HATCH OPENING SHOULD BE REMOVABLE TO ENABLE SERVICE AND REPLACEMENT OF STEP MODULE.

PARTIAL PERSPECTIVE VIEW
w/ MILLWORK CUT AWAY AND SUB-FLOOR
HIDDEN TO ILLUSTRATE FRAMING CONCEPT

LIFT-U A DIVISION OF HOGAN MFG., INC.

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NOTES: THIS DRAWING IS GENERIC AND PROVIDED TO ILLUSTRATE LIFT-U'S RECOMMENDED DOOR / MILLWORK INTERFACE ALTERNATIVES. FOR EACH PROJECT APPLICATION REFER TO ITS CORRESPONDING LIFT CONFIGURATION DRAWING FOR GENERAL ARRANGEMENT AND LIFT ENVELOPE DIMENSIONS. REFER TO DRAWING 910-0056 FOR THE RECOMMENDED JAM STYLES NOTED ON THIS DRAWING, AND FOR STRIKE LATCH / MILLWORK INTERFACE. THE LIFT PLATFORM REQUIRES 3/8" MINIMUM TO 3/4" MAXIMUM RUNNING CLEARANCE WITH ALL ADJACENT SURFACES; i.e., CLOSED DOORS AND MILLWORK FINISHED SURFACES. ALL MILLWORK FRAMING AND VENEERED PANEL FINISHES ENCASING THE LIFT, AS WELL AS DOORS / GATES AND JAMS ARE FURNISHED AND INSTALLED BY OTHERS.

**NOTES:**
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- REFER TO DRAWING 910-0056 FOR THE RECOMMENDED JAM STYLES NOTED ON THIS DRAWING, AND FOR STRIKE LATCH / MILLWORK INTERFACE.
- THE LIFT PLATFORM REQUIRES 3/8" MINIMUM TO 3/4" MAXIMUM RUNNING CLEARANCE WITH ALL ADJACENT SURFACES; i.e., CLOSED DOORS AND MILLWORK FINISHED SURFACES.
- ALL MILLWORK FRAMING AND VENEERED PANEL FINISHES ENCASING THE LIFT, AS WELL AS DOORS / GATES AND JAMS ARE FURNISHED AND INSTALLED BY OTHERS.
NOTES:

THIS DRAWING IS GENERIC AND PROVIDED TO ILLUSTRATE LIFT-U'S RECOMMENDED JAM STYLES AND STRIKE LATCH / MILLWORK INTERFACE.

CLEARANCE AND/OR OPENINGS INSIDE THE MILLWORK WALLS MUST BE PROVIDED FOR ROUTING OF ELECTRIC STRIKE LATCH WIRING.

REFER TO DRAWING 910-0026 FOR ADDITIONAL RECOMMENDED MILLWORK WALL INTERFACE DESIGN PRINCIPLES.

ALL MILLWORK FRAMING AND VENEERED PANEL FINISHES ENCASING THE LIFT, AS WELL AS DOORS / GATES AND JAMS ARE FURNISHED AND INSTALLED BY OTHERS.
STRIKE LATCH / MILLWORK INTERFACE

SECTION B-B

ELEVATION VIEW OF LOCKSET INTERFACE

STRIKE INSERT MAY BE ADJUSTED FOR PROPER ALIGNMENT WITH SPRING LATCH BOLT

MILLWORK WALL

DOOR

ELECTRIC STRIKE LATCH

SPRING LATCH BOLT

PERSPECTIVE VIEW OF LOCKSET

ELEVATION VIEW OF LOCKSET INTERFACE

STRIKE LATCH DIMENSIONS

2X \( \phi 0.275 \)

2X \( \phi 0.196 \)

\( 1.59 \times \)
VMW SIMPLE TEMPLATE
MILLWORK FOOTPRINT SHOWN

VMW DETAILED LIFT TEMPLATE

NOTES:
1. MINIMUM PLATFORM DIMENSIONS ARE SHOWN. PLATFORMS MEASURING AT LEAST 18 SQ. FT. ARE PREFERRED, BUT SHOULD NOT EXCEED 25 SQ. FT. BE ADVISED, 74" IN THE LONG DIRECTION IS LIFT-U'S ABSOLUTE "DO NOT EXCEED" DIMENSION FOR THE VMW.
2. MAXIMUM VERTICAL TRAVEL IS 24".
3. FOR LIFT APPLICATIONS THAT DO NOT CORRESPOND WITH LIFT-U'S STANDARD TEMPLATES, CONTACT LIFT-U FOR EVALUATION.
4. FOR ADDITIONAL INFORMATION, INCLUDING MILLWORK INTERFACE DETAILS, REFER TO VMW LIFT APPLICATION GUIDELINES.
NOTES:
1. SPECIFIC TO THIS CONFIGURATION, THE MINIMUM PLATFORM WIDTH CORRESPONDS TO THE MINIMUM PLATFORM LENGTH - REFER TO TABLE. PLATFORMS MEASURING AT LEAST 18 SQ. FT. ARE PREFERRED, BUT SHOULD NOT EXCEED 25 SQ. FT. BE ADVISED, 74" IN THE LONG DIRECTION IS LIFT-U'S ABSOLUTE "DO NOT EXCEED" DIMENSION FOR THE VMW.
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   PREFERRED; BUT SHOULD NOT EXCEED 25 SQ. FT.
   BE ADVISED, 74" IN THE LONG DIRECTION IS LIFT-U'S
   ABSOLUTE "DO NOT EXCEED" DIMENSION FOR THE
   VMW.
2. MAXIMUM VERTICAL TRAVEL IS 24".
3. FOR LIFT APPLICATIONS THAT DO NOT CORRESPOND
   WITH LIFT-U'S STANDARD TEMPLATES, CONTACT LIFT-U
   FOR EVALUATION.
4. FOR ADDITIONAL INFORMATION, INCLUDING MILLWORK
   INTERFACE DETAILS, REFER TO VMW LIFT APPLICATION
   GUIDELINES.

VMW SIMPLE TEMPLATE
MILLWORK FOOTPRINT SHOWN

VMW DETAIL LIFT TEMPLATE

REV.  EC.  DESCRIPTION  CREATED  DATE  APPROVED  DATE
A  2/4/09
B  UPDATED PER CURRENT DESIGNS  WAC  10-10-11

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3. FOR LIFT APPLICATIONS THAT DO NOT CORRESPOND WITH LIFT-U'S STANDARD TEMPLATES, CONTACT LIFT-U FOR EVALUATION.
4. FOR ADDITIONAL INFORMATION, INCLUDING MILLWORK INTERFACE DETAILS, REFER TO VMW LIFT APPLICATION GUIDELINES.
NOTES:
1. MINIMUM PLATFORM DIMENSIONS CORRESPOND WITH MINIMUM DOOR OPENINGS AND SCREW COLUMN ORIENTATION. SUBSEQUENTLY, INCREASING THE DOOR OPENINGS ALSO INCREASES THE MINIMUM PLATFORM DIMENSIONS. PLATFORMS MEASURING AT LEAST 10 SQ. FT. ARE PREFERRED, BUT SHOULD NOT EXCEED 25 SQ. FT. BE ADVISED, 74" IN THE LONG DIRECTION IS LIFT-U'S ABSOLUTE "DO NOT EXCEED" DIMENSION FOR THE VMW.  
2. MAXIMUM VERTICAL TRAVEL IS 24".  
3. FOR LIFT APPLICATIONS THAT DO NOT CORRESPOND WITH LIFT-U'S STANDARD TEMPLATES, CONTACT LIFT-U FOR EVALUATION.  
4. FOR ADDITIONAL INFORMATION, INCLUDING MILLWORK INTERFACE DETAILS, REFER TO VMW LIFT APPLICATION GUIDELINES.

VMW SIMPLE TEMPLATE  
MILLWORK FOOTPRINT SHOWN

VMW DETAILED LIFT TEMPLATE

ROLL-UP BARRIER MODULE INSTALLS IN THE INTERMEDIATE LANDING.
BASE FRAME AND DRIVE SHAFTS ROUTE AROUND THE ROLL-UP BARRIER MODULE WHEN THE INTERMEDIATE LANDING ELEVATION IS LESS THAN 10", BUT THE LANDING MUST BE AT LEAST 6" ABOVE THE LOWER LANDING.
VMW SIMPLE TEMPLATE
MILLWORK FOOTPRINT SHOWN

NOTES:
1. MINIMUM PLATFORM DIMENSIONS CORRESPOND WITH MINIMUM DOOR OPENINGS AND SCREW COLUMN ORIENTATION. SUBSEQUENTLY, INCREASING THE DOOR OPENINGS ALSO INCREASES THE MINIMUM PLATFORM DIMENSIONS. PLATFORMS MEASURING AT LEAST 18 SQ. FT. ARE PREFERRED, BUT SHOULD NOT EXCEED 25 SQ. FT. BE ADVISED, 74" IN THE LONG DIRECTION IS LIFT-U'S ABSOLUTE "DO NOT EXCEED" DIMENSION FOR THE VMW.
2. MAXIMUM VERTICAL TRAVEL IS 24".
3. FOR LIFT APPLICATIONS THAT DO NOT CORRESPOND WITH LIFT-U'S STANDARD TEMPLATES, CONTACT LIFT-U FOR EVALUATION.
4. FOR ADDITIONAL INFORMATION, INCLUDING MILLWORK INTERFACE DETAILS, REFER TO VMW LIFT APPLICATION GUIDELINES.
NOTES:
1. MINIMUM PLATFORM DIMENSIONS CORRESPOND WITH MINIMUM DOOR OPENINGS AND SCREW COLUMN ORIENTATION. SUBSEQUENTLY, INCREASING THE DOOR OPENINGS ALSO INCREASES THE MINIMUM PLATFORM DIMENSIONS. PLATFORMS MEASURING AT LEAST 14 SQ. FT. ARE PREFERRED, BUT SHOULD NOT EXCEED 25 SQ. FT. BE ADVISED, 74" IN THE LONG DIRECTION IS LIFT-U’S ABSOLUTE “DO NOT EXCEED” DIMENSION FOR THE VMW.
2. MAXIMUM VERTICAL TRAVEL IS 24".
3. FOR LIFT APPLICATIONS THAT DO NOT CORRESPOND WITH LIFT-U’S STANDARD TEMPLATES, CONTACT LIFT-U FOR EVALUATION.
4. FOR ADDITIONAL INFORMATION, INCLUDING MILLWORK INTERFACE DETAILS, REFER TO VMW LIFT APPLICATION GUIDELINES.

REV  ECO  DESCRIPTION  CREATED  DATE  APPROVED  DATE
A  RELEASED  CAL 3/4/09
B  UPDATED PER CURRENT DESIGNS  WAC 10-18-11
**NOTES:**

1. **MINIMUM PLATFORM DIMENSIONS CORRESPOND WITH MINIMUM DOOR OPENINGS AND SCREW COLUMN ORIENTATION.** Subsequently, increasing the door openings also increases the minimum platform dimensions. Platforms measuring at least 18 sq. ft. are preferred, but should not exceed 25 sq. ft. Be advised, 74" in the long direction is LIFT-U's absolute "DO NOT EXCEED" dimension for the VMW.

2. **MAXIMUM VERTICAL TRAVEL IS 24".**

3. **FOR LIFT APPLICATIONS THAT DO NOT CORRESPOND WITH LIFT-U'S STANDARD TEMPLATES, CONTACT LIFT-U FOR EVALUATION.**

4. **FOR ADDITIONAL INFORMATION, INCLUDING MILLWORK INTERFACE DETAILS, REFER TO VMW LIFT APPLICATION GUIDELINES.**

**VMW SIMPLE TEMPLATE**

**MILLWORK FOOTPRINT SHOWN**

**VMW DETAILED LIFT TEMPLATE**
NOTES:
1. MINIMUM PLATFORM DIMENSIONS ARE SHOWN. PLATFORMS MEASURING AT LEAST 18 SQ. FT. ARE PREFERRED, BUT SHOULD NOT EXCEED 25 SQ. FT. BE ADVISED, 72" IN THE LONG DIRECTION IS LIFT-U'S ABSOLUTE "DO NOT EXCEED" DIMENSION FOR THE VMX.
2. MAXIMUM VERTICAL TRAVEL IS 24".
3. FOR LIFT APPLICATIONS THAT DO NOT CORRESPOND WITH LIFT-U'S STANDARD TEMPLATES, CONTACT LIFT-U FOR EVALUATION.
4. FOR ADDITIONAL INFORMATION, INCLUDING MILLWORK INTERFACE DETAILS, REFER TO VMX LIFT APPLICATION GUIDELINES.

VMX SIMPLE TEMPLATE
MILLWORK FOOTPRINT SHOWN

VMX DETAILED LIFT TEMPLATE
NOTES:
1. SPECIFIC TO THIS CONFIGURATION, THE MINIMUM PLATFORM WIDTH CORRESPONDS TO THE MINIMUM PLATFORM LENGTH. REFER TO TABLE PLATFORMS MEASURING AT LEAST 18 SQ. FT. ARE PREFERRED, BUT SHOULD NOT EXCEED 25 SQ. FT. BE ADVISED, 72" IN THE LONG DIRECTION IS LIFT-U'S ABSOLUTE "DO NOT EXCEED" DIMENSION FOR THE VMX.
2. MAXIMUM VERTICAL TRAVEL IS 24".
3. FOR LIFT APPLICATIONS THAT DO NOT CORRESPOND WITH LIFT-U'S STANDARD TEMPLATES, CONTACT LIFT-U FOR EVALUATION.
4. FOR ADDITIONAL INFORMATION, INCLUDING MILLWORK INTERFACE DETAILS, REFER TO VMX LIFT APPLICATION GUIDELINES.

VMX SIMPLE TEMPLATE
MILLWORK FOOTPRINT SHOWN

VMX DETAIL LIFT TEMPLATE

REV DESCRIPTION CREATED DATE APPROVED DATE
A RELEASED CAL 3/4/09

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VMX SIMPLE TEMPLATE
MILLWORK FOOTPRINT SHOWN

NOTES:
1. MINIMUM PLATFORM DIMENSIONS ARE SHOWN. PLATFORMS MEASURING AT LEAST 16 SQ. FT. ARE PREFERRED; BUT SHOULD NOT EXCEED 25 SQ. FT. BE ADVISED, 72" IN THE LONG DIRECTION IS LIFT-U'S ABSOLUTE "DO NOT EXCEED" DIMENSION FOR THE VMX.
2. MAXIMUM VERTICAL TRAVEL IS 24".
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VMX DETAILED LIFT TEMPLATE

REV ECO DESCRIPTION CREATED DATE APPROVED DATE
A RELEASED CAL 3/4/09

NOTES: 1. MINIMUM PLATFORM DIMENSIONS ARE SHOWN. PLATFORMS MEASURING AT LEAST 16 SQ. FT. ARE PREFERRED; BUT SHOULD NOT EXCEED 25 SQ. FT. BE ADVISED, 72" IN THE LONG DIRECTION IS LIFT-U'S ABSOLUTE "DO NOT EXCEED" DIMENSION FOR THE VMX. 2. MAXIMUM VERTICAL TRAVEL IS 24".
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VMX SIMPLE TEMPLATE
MILLWORK FOOTPRINT SHOWN

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2. MAXIMUM VERTICAL TRAVEL IS 24".

3. FOR LIFT APPLICATIONS THAT DO NOT CORRESPOND WITH LIFT-U'S STANDARD TEMPLATES, CONTACT LIFT-U FOR EVALUATION.

4. FOR ADDITIONAL INFORMATION, INCLUDING MILLWORK INTERFACE DETAILS, REFER TO VMX LIFT APPLICATION GUIDELINES.

VMX DETAILED LIFT TEMPLATE
NOTES:
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2. MAXIMUM VERTICAL TRAVEL IS 24".
3. FOR LIFT APPLICATIONS THAT DO NOT CORRESPOND WITH LIFT-U'S STANDARD TEMPLATES, CONTACT LIFT-U FOR EVALUATION.
4. FOR ADDITIONAL INFORMATION, INCLUDING MILLWORK INTERFACE DETAILS, REFER TO VMX LIFT APPLICATION GUIDELINES.
NOTES:

THIS DRAWING IS GENERIC AND PROVIDED TO ILLUSTRATE LIFT-U’S RECOMMENDED OPERABLE STEP / MILLWORK INTERFACE.

THE OPERABLE STEP HEIGHT AND WIDTH WILL VARY FOR EACH APPLICATION.

THEREFORE, FOR EACH PROJECT APPLICATION REFER TO ITS CORRESPONDING LIFT CONFIGURATION DRAWING FOR GENERAL ARRANGEMENT LAYOUT, LIFT ENVELOPE DIMENSIONS, AND OPERABLE STEP MODULE DIMENSIONS.

ALL MILLWORK FRAMING AND VENEERED PANEL FINISHES ENCASING THE LIFT ARE FURNISHED AND INSTALLED BY OTHERS.

CUT MILLWORK FOR 1/4" TO 1/2" CLEARANCE ALL-AROUND

PLAN VIEW WITH OPERABLE STEP IN "STEP" POSITION

OPERABLE STEP INSTALL WITH ANCHOR BOLTS (SUPPLIED BY LIFT-U) PRIOR TO MILLWORK

.50 RUNNING CLEARANCE

STEP HEIGHT

OVERALL STEP WIDTH

OPERABLE STEP IN "STEP" POSITION

OPERABLE STEP IN "RAMP" POSITION

NOTES:

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ALL MILLWORK FRAMING AND VENEERED PANEL FINISHES ENCASING THE LIFT ARE FURNISHED AND INSTALLED BY OTHERS.

CUT MILLWORK FOR 1/4" TO 1/2" CLEARANCE ALL-AROUND

PLAN VIEW WITH OPERABLE STEP IN "STEP" POSITION

OPERABLE STEP INSTALL WITH ANCHOR BOLTS (SUPPLIED BY LIFT-U) PRIOR TO MILLWORK

.50 RUNNING CLEARANCE

STEP HEIGHT

OVERALL STEP WIDTH

OPERABLE STEP IN "STEP" POSITION

OPERABLE STEP IN "RAMP" POSITION
ROLL-UP BARRIER OVERVIEW

ACCESSOR LIFT WITH ROLL-UP BARRIER

LIFT AT PARK LEVEL: BARRIER IS STOWED

ROLL-UP BARRIER (STOWED)

ROLL-UP BARRIER (DEPLOYED)

BARRIER DEPLOYS DURING LIFT OPERATION
RETRACTABLE STEP (DEPLOYED)

RETRACTABLE STEP IS DEPLOYED WHILE LIFT IS IN PARK POSITION

RETRACTABLE STEP (STOWED)

RETRACTABLE STEP IS STOWED DURING LIFT OPERATION

ACCESSOR LIFT WITH RETRACTABLE STEP

RETRACTABLE STEP OVERVIEW
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HOGAN MFG., INC.

LIFT-U®
ACCESSOR LIFT WITH OPERABLE STEP

OPERABLE STEP OVERVIEW

OPERABLE STEP IS IN "STEP" POSITION DURING LIFT OPERATION

OPERABLE STEP IS IN "STEP" POSITION WHILE LIFT IS PARKED

OPERABLE STEP IS IN "RAMP" POSITION AT LOWER LEVEL FOR PASSENGER INGRESS/EGRESS

OPERABLE STEP (STEP POSITION)
OPERABLE STEP (RAMP POSITION)

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ALL MILLWORK FRAMING AND VENEERED PANEL FINISHES ENCASING THE LIFT ARE FURNISHED AND INSTALLED BY OTHERS.

LIFT SCREW JACK COLUMNS TO BE ENCASED IN MILLWORK. MILLWORK IS SUPPLIED AND INSTALLED BY OTHERS.

SIDES FACING THE PLATFORM TO BE COMPLETED AFTER THE LIFT IS INSTALLED.

SECTION A-A

SECTION B-B

DETAIL E

DETAIL F

REFERENCE ONLY
SECTION C-C

ROLL-UP BARRIER: REFER TO DRAWING 910-0042 FOR RECOMMENDED MILLWORK INTERFACE

NOTES:
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THEREFORE, FOR EACH PROJECT APPLICATION REFER TO ITS CORRESPONDING LIFT CONFIGURATION DRAWING FOR GENERAL ARRANGEMENT LAYOUT AND LIFT ENVELOPE DIMENSIONS.

ALL MILLWORK FRAMING AND VENEERED PANEL FINISHES ENCASING THE LIFT ARE FURNISHED AND INSTALLED BY OTHERS.

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PROVIDE AN ACCESS HATCH TO ENABLE SERVICE ON MOTOR AND ELECTRONICS LOCATED BELOW UPPER LANDING. HATCH SHOULD BE NO LESS THAN 30" x 36". A REMOVABLE JOIST WITHIN THE FRAMED HATCH OPENING SHOULD BE POSITIONED TO REINFORCE THE HATCH COVER.

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- ALL MILLWORK FRAMING AND VENEERED PANEL FINISHES ENCASING THE LIFT ARE FURNISHED AND INSTALLED BY OTHERS.

BE ADVISED - TO PROVIDE ACCESS TO LEVEL SWITCHES AND ENABLE SERVICE OR REPLACEMENT OF SCREW JACKS, GEARBOXES, AND DRIVE SHAFTS.

MAINLY OPERATED, SELF-CLOSING DOORS (i.e., SPRING HINGES). DOORS, SELF-CLOSING SPRING HINGES AND JAMBS ARE FURNISHED AND INSTALLED BY OTHERS. ELECTRIC STRIKE LATCHES, SPRING-LOADED LATCH BOLTS, AND ELECTRICAL INTERLOCK WIRING FURNISHED BY LIFT-U AND INSTALLED BY OTHERS.
NOTES:

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THE DIMENSIONS AND DETAILS WILL VARY FOR EACH APPLICATION. THEREFORE, FOR EACH PROJECT APPLICATION REFER TO ITS CORRESPONDING LIFT CONFIGURATION DRAWING FOR GENERAL ARRANGEMENT LAYOUT AND LIFT ENVELOPE DIMENSIONS. ALL MILLWORK FRAMING AND VENEERED PANEL FINISHES ENCASING THE LIFT ARE FURNISHED AND INSTALLED BY OTHERS.

TYP. LEVEL 1 - TOP OF LIFT PLATFORM PLATE AT +1.60"

DRIVE SHAFTS CONNECTING GEARBOXES, AND CABLE RACEWAYS NOT SHOWN AT THIS TIME.

LIFT BASE FRAME ANCHORS TO FLOOR. ANCHOR BOLTS FURNISHED BY LIFT-U.

LEVEL 2 - TOP OF LIFT PLATFORM PLATE AT +8.50"

LIFT ENVELOPE DIMENSIONS

LEVEL 3 - TOP OF LIFT PLATFORM PLATE AT +15.50"

SHEET METAL FLANGES ON SCREW JACK COLUMNS FACILITATE THE ATTACHMENT OF MILLWORK FRAMING AND VENEERED PANELS (MILLWORK BY OTHERS).

HINGED RISER

LEVEL 1 - TOP OF LIFT PLATFORM PLATE AT +1.60"

LEVEL 2 - TOP OF LIFT PLATFORM PLATE AT +8.50"

LEVEL 3 - TOP OF LIFT PLATFORM PLATE AT +15.50"

HINGED RISER

DRIVE SHAFTS CONNECTING GEARBOXES, AND CABLE RACEWAYS NOT SHOWN AT THIS TIME.

LIFT BASE FRAME ANCHORS TO FLOOR. ANCHOR BOLTS FURNISHED BY LIFT-U.

LEVEL 2 - TOP OF LIFT PLATFORM PLATE AT +8.50"

LIFT ENVELOPE DIMENSIONS

LEVEL 3 - TOP OF LIFT PLATFORM PLATE AT +15.50"

SHEET METAL FLANGES ON SCREW JACK COLUMNS FACILITATE THE ATTACHMENT OF MILLWORK FRAMING AND VENEERED PANELS (MILLWORK BY OTHERS).

HINGED RISER

LEVEL 1 - TOP OF LIFT PLATFORM PLATE AT +1.60"

LEVEL 2 - TOP OF LIFT PLATFORM PLATE AT +8.50"

LEVEL 3 - TOP OF LIFT PLATFORM PLATE AT +15.50"

HINGED RISER

DRIVE SHAFTS CONNECTING GEARBOXES, AND CABLE RACEWAYS NOT SHOWN AT THIS TIME.

LIFT BASE FRAME ANCHORS TO FLOOR. ANCHOR BOLTS FURNISHED BY LIFT-U.

LEVEL 2 - TOP OF LIFT PLATFORM PLATE AT +8.50"

LIFT ENVELOPE DIMENSIONS

LEVEL 3 - TOP OF LIFT PLATFORM PLATE AT +15.50"

SHEET METAL FLANGES ON SCREW JACK COLUMNS FACILITATE THE ATTACHMENT OF MILLWORK FRAMING AND VENEERED PANELS (MILLWORK BY OTHERS).

HINGED RISER

LEVEL 1 - TOP OF LIFT PLATFORM PLATE AT +1.60"

LEVEL 2 - TOP OF LIFT PLATFORM PLATE AT +8.50"

LEVEL 3 - TOP OF LIFT PLATFORM PLATE AT +15.50"

HINGED RISER

DRIVE SHAFTS CONNECTING GEARBOXES, AND CABLE RACEWAYS NOT SHOWN AT THIS TIME.

LIFT BASE FRAME ANCHORS TO FLOOR. ANCHOR BOLTS FURNISHED BY LIFT-U.
ELECTRICAL CONTROL (BELOW)
NOTES:

THIS DRAWING IS GENERIC AND PROVIDED TO ILLUSTRATE LIFT-U'S RECOMMENDED MILLWORK INTERFACE.

THE DIMENSIONS AND DETAILS WILL VARY FOR EACH APPLICATION, THEREFORE, FOR EACH PROJECT APPLICATION REFER TO ITS CORRESPONDING LIFT CONFIGURATION DRAWING FOR GENERAL ARRANGEMENT LAYOUT AND LIFT ENVELOPE DIMENSIONS.

ALL MILLWORK FRAMING AND VENEERED PANEL FINISHES ENCASING THE LIFT ARE FURNISHED AND INSTALLED BY OTHERS.

REFERENCE ONLY
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ALL MILLWORK FRAMING AND VENEERED PANEL FINISHES ENCASING THE LIFT ARE NOTED.

NOTES: THIS DRAWING IS GENERIC AND PROVIDED TO ILLUSTRATE LIFT-U'S RECOMMENDED VMW LIFT / MILLWORK INTERFACE. THE DIMENSIONS AND DETAILS WILL VARY FOR EACH APPLICATION. THEREFORE, FOR EACH PROJECT APPLICATION REFER TO ITS CORRESPONDING LIFT CONFIGURATION DRAWING FOR GENERAL ARRANGEMENT LAYOUT AND LIFT ENVELOPE DIMENSIONS. ALL MILLWORK FRAMING AND VENEERED PANEL FINISHES ENCASING THE LIFT ARE FURNISHED AND INSTALLED BY OTHERS.

REFERENCE ONLY
Provide an access hatch to enable service on motor and electronics located below upper landing. Hatch should be no less than 30" x 36". A removable joist within the framed hatch opening should be positioned to reinforce the hatch cover.

All millwork framing and veneered panel finishes encasing the lift are furnished and installed by others.

Three control stations supplied by lift-U. Location and wall cut in by others. Electrical wiring furnished by lift-U.

Manually operated, self-closing doors, i.e. w/spring hinges. Doors, self-closing spring hinges, and jamb are furnished and installed by others. Electric strike latches. Spring-loaded latch bolts. And electrical interlock wiring furnished by lift-U and installed by others.

Three isometric views of a lift configuration, 6" - 18" rise. Platform shown at lower level (1) ready for passenger ingress or egress. Doors are closed and locked when platform raises and lowers. Platform shown at judge level (3) ready for passenger ingress or egress. Reverse isometric view. Back wall and doors not shown for clarity.

Planned isometric view. Back wall and doors not shown for clarity.

Witness level 2 +12" elev

Three control stations supplied by lift-U. Location and wall cut in by others. Electrical wiring furnished by lift-U.

Manually operated, self-closing doors, i.e. w/spring hinges. Doors, self-closing spring hinges, and jamb are furnished and installed by others. Electric strike latches. Spring-loaded latch bolts. And electrical interlock wiring furnished by lift-U and installed by others.

Three isometric views of a lift configuration, 6" - 18" rise. Platform shown at judge level (3) ready for passenger ingress or egress. Doors are closed and locked when platform raises and lowers. Platform shown at park level for use by able-bodied persons. Roll-up barrier is stowed.

Provide an access hatch to enable service on motor and electronics located below upper landing. Hatch should be no less than 30" x 36". A removable joist within the framed hatch opening should be positioned to reinforce the hatch cover.
LIFT CONFIGURATION, 6" - 18" RISE

LIFT ENVELOPE DIMENSIONS

JUDGE LEVEL (3): TOP OF LIFT PLATFORM PLATE AT +18" ABOVE COURTROOM FLOOR

DRIVE MOTOR

LIFT BASE FRAME ANCHORS TO PIT FLOOR. ANCHOR BOLTS FURNISHED BY LIFT-U.

COURTROOM FLOOR LEVEL (1) +0" ELEV

NOTES:
THIS DRAWING IS GENERIC AND PROVIDED TO ILLUSTRATE LIFT-U'S RECOMMENDED VMW LIFT / MILLWORK INTERFACE.

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ALL MILLWORK FRAMING AND VENEERED PANEL FINISHES ENCASING THE LIFT ARE FURNISHED AND INSTALLED BY OTHERS.

REFERENCE ONLY

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NOTES:

THIS DRAWING IS GENERIC AND PROVIDED TO ILLUSTRATE LIFT-U’S RECOMMENDED ELECTROMAGNETIC DOOR HOLDER / MILLWORK INTERFACE. SEE SHEET 2 AND MANUFACTURER’S INSTRUCTIONS FOR INSTALLATION.

THE DIMENSIONS AND DETAILS WILL VARY FOR EACH APPLICATION. REFER TO ITS CORRESPONDING LIFT CONFIGURATION.

CLEARANCE AND/OR OPENINGS INSIDE THE MILLWORK WALLS MUST BE PROVIDED FOR ROUTING OF ELECTROMAGNETIC DOOR HOLDER WIRING.

REFER TO DRAWING 910-0026 FOR ADDITIONAL RECOMMENDED MILLWORK WALL INTERFACE DESIGN PRINCIPLES.

ALL MILLWORK FRAMING AND VENEERED PANEL FINISHES ENCASING THE LIFT, AS WELL AS DOORS / GATES AND JAMS ARE FURNISHED AND INSTALLED BY OTHERS.

LOCATION OF DOOR HOLDER IS FOR ILLUSTRATION PURPOSES ONLY.
DOOR HOLDER / MILLWORK INTERFACE

PERSPECTIVE VIEW OF ELECTROMAGNETIC DOOR HOLDER

CATCH PLATE

COVER PLATE

ELECTROMAGNETIC DOOR HOLDER

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