

CITY OF SOMERVILLE, MASSACHUSETTS MAYOR'S OFFICE OF STRATEGIC PLANNING & COMMUNITY DEVELOPMENT KATJANA BALLANTYNE MAYOR

THOMAS GALLIGANI EXECUTIVE DIRECTOR

PLANNING, PRESERVATION & DIVISION HISTORIC PRESERVATION

ALTERATION OF A LOCAL HISTORIC DISTRICT (LHD) PROPERTY STAFF REPORT

Site: 30 Bow Street

Case: HP23-000083

Applicant: Modern Love LLC

Owner: 30 Bow LLC

Legal Ad: The Applicant seeks a Certificate of Appropriateness to alter an LHD property by installing a mechanical platform lift, and adding an accessible path.

HPC Meeting Date: February 20, 2024



The purpose of a staff report is to provide the Historic Preservation Commission (HPC) with a professional assessment of alteration proposals made for Local Historic District (LHD) properties. These assessments are based on the Historic District Ordinance (HDO) in compliance with M.G.L. Chapter 40C, and the associated Design Guidelines. A Staff Report is <u>not</u> a determination/decision and does not represent findings. A staff report does not constitute authorization in any form.



Page 2 of 5 Date: February 15, 2024 Case: HP23-000083

Site: 30 Bow Street

I. PROJECT DESCRIPTION

Subject Property: The locus is the c.1874 gable front style residence known as the Orcutt, W. House. This property is located within in the Prospect Hill neighborhood. A full description of the property is provided in the attached Form B survey held by the Massachusetts Historical Commission (MHC).

Proposal: The Applicant proposes the following within the purview of the HPC:

- Install a mechanical wheelchair platform lift
- Create an accessible path to the rear of the building

The Applicant is proposing to replace the rear deck. The only visible architectural feature are the porch stairs. The porch is not visible from the public way. The steps are not original to the building nor are they a later addition that has become historically important on their own.

II. ASSESSMENT OF PROPOSAL

The HPC must make findings based on the Historic District Ordinance (HDO) in compliance with M.G.L. Chapter 40C, and associated Design Guidelines. The portions of the regulations that are applicable to the proposed alterations are discussed below.

Install a mechanical wheelchair platform lift

D. New Additions

The most relevant portion of the Design Guidelines is as follows:

- New additions should not disrupt the essential form and integrity of the property and should be compatible in size, scale, material and character of the property and its environment. Where possible, new additions should be confined to the rear of the house.
- New additions or alterations should be done in a way that, if they were removed in the future, the basic form and integrity of the historic property would remain intact.

Due to the proposed elements being visible from the right of way, the HPC has purview over these features and the materials used.

Applicant Proposal:

The Applicant proposes to install a mechanical wheelchair platform lift on the rear of the property adjacent to the rear deck. The platform lift is proposed to provide an accessible way into the building. The lift will be freestanding and sit on a concrete pad, while being flush against the building and deck.

The lift will be four feet and 2 inches wide (4'2") and 4 feet and seven inches (4'7") in diameter. When the ramp is down, it will be six feet and eight inches (6'8") in diameter. The ramp projects two feet and 1 inch (2" 1') when in use. It will not project past the existing left side bay window.

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Above: Proposed location of the mechanical lift



Above: Proposed location of the mechanical lift from the public way. The left side bay window can be seen, which will block most of the lift from public view.

Preservation Planning Assessment:

The proposed platform lift will be visible from the public way.

Pursuant to the Design Guidelines:

New additions should not disrupt the essential form and integrity of the property and should be compatible in size, scale, material and character of the property and its environment. Where possible, new additions should be confined to the rear of the house.

Most of the platform lift will be hidden from the public way due to the side bay window. Part of the lift will be visible when the ramp portion is down. The lift itself is an "Ameriglide – Hercules 750 Commercial Platform lift" and mechanical in materiality. This new addition will be confined to the rear of the building.

Pursuant to the Design Guideline:

New additions or alterations should be done in a way that, if they were removed in the future, the basic form and integrity of the historic property would remain intact.

The lift itself will be placed on a concrete pad and sit flush against the building. It will not be physically attached to the building in any way. If the lift were to be removed in the future, the basic form and integrity of the historic property would remain intact.

Create an accessible path to the rear of the building

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H. Landscape Features and Paving

The most relevant portion of the Design Guidelines is as follows:

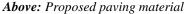
• The existing landforms of the site should not be altered unless shown to be necessary for the maintenance of the structure or site.

• The original layout and materials of the walks, steps and paved areas should be maintained if significant grade changes constitute an important feature of the structure or site. Consideration will be given to alterations if it can be shown that improved site circulation is necessary and that the alterations will accomplish this without alteration the integrity of the structure.

Due to the proposed elements being visible from the right of way, the HPC has purview over these features and the materials used.

<u>Applicant Proposal</u>: The Applicant proposes to install an accessible path constructed of permeable pavers. The accessible path and entry area at the foot of the porch stairs will be 290 square feet.







Above: Proposed location of where permeable pavers will go

Preservation Planning Assessment:

The proposed accessible path will be visible from the public way.

Pursuant to the Design Guidelines:

The existing landforms of the site should not be altered unless shown to be necessary for the maintenance of the structure or site.

The existing landforms will not be altered. The accessible path will be replacing existing planting beds and driveway material (as shown above) with permeable pavers for accessibility purposes. According to the Applicant's plans, the driveway material will remain gravel with existing granite paver apron being removed and replaced with gravel. The current driveway and apron were approved by the Commission in April 2001.

Pursuant to the Design Guideline:

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Date: February 15, 2024
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The original layout and materials of the walks, steps and paved areas should be maintained if significant grade changes constitute an important feature of the structure or site. Consideration will be given to alterations if it can be shown that improved site circulation is necessary and that the alterations will accomplish this without alteration the integrity of the structure.

There are no significant grade changes on this site. The only aspects of the existing driveway and landscaping that are being changed are the planters on the left side of the buildings and replacing part of the driveway material with permeable pavers. The proposed accessible path will improve site circulation by providing ingress and egress through an ADA accessible path that will lead to the proposed mechanical wheelchair platform lift.

Due to the period of the house and the vast brickworks active in Somerville at the time, brick would be a likely choice of material were a property owner at the time able to afford to install a hardscaped walkway/driveway. The proposed brick pavers are reminiscent of brick and similar pavers have been approved by the HPC for other driveways elsewhere in the City.

Should the HPC vote to approve the pavers Staff has provided a recommended condition at the end of this report.

III. FINDINGS & VOTE

When brining the matter to a vote the HPC must state their findings and reasons on why they take their position.

IV. RECOMMENDED CONDITIONS

Preservation Planning recommends the following conditions be attached to any Certificate of Appropriateness that the HPC might grant for this project:

- 1. The Applicant/Owner shall file the Certificate with the Inspectional Services Department (ISD) by uploading it to the CitizenServe permitting portal with their application for zoning compliance/building permit.
- 2. This Certificate is valid for one year. If work has not commenced within one year of the HPC's date of determination, this Certificate shall expire, and the Applicant shall re-apply for re-issuance of this Certificate. Provided that no changes have been made to the proposal, this shall be a Staff-level re-issuance of the Certificate.
- 3. The Applicant shall utilize Prest Brick Permeable Pavers, 4 ½" x 9" for the paved areas.
- 4. Any changes to this proposal made prior to the commencement of work or in-the-field changes shall be submitted to Preservation Planning for their review to determine if the changes come under the purview of the HPC. Failure to seek approval for changes may delay final sign-offs/Cos.
- 5. The Applicant shall contact Preservation Planning at **historic@somervillema.gov** a minimum of 15 business days prior to final ISD walk-through so that Preservation Planning or their designee can confirm if the project was completed according to HPC approvals.



HANOVER ARCHITECTURAL — PRODUCTS—

Interlocking Concrete Prest® Brick



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Some ideas are basic, and more often than not, the roots of the very good ones come from the past. Paving with small individual units has been successful since the Romans and has stood the test of time. The selection of Hanover's Prest® Brick sizes, colors, and textures allow endless design possibilities.

Today's architects, landscape architects and planners are rediscovering the method, redefining the procedures and incorporating them into all types of projects; residential, commercial and industrial. Modern municipal and urban areas have only emphasized the original advantages of using pavers. Hanover® Prest® Brick form a flexible pavement which is designed to work with the forces of nature.

HANOVER ARCHITECTURAL — PRODUCTS—

Interlocking Concrete Prest® Brick



Tarkington Park, Indianapolis, IN; Owner: City of Indianapolis, IN; Architect: Rundell Ernstberger Associates; Size & Color: Permeable 4 ¹/2" x 9", Charcoal, Limestone Gray, Cream; Finish: Tudor®

PERMEABLE 4 1/2" X 9"

Produced with a 1/16" bevel and hidden spacers, Hanover's Permeable 4 1/2" x 9" x 3" meets standards set forth by the Americans with Disabilities Act (ADA). Minimal openings provide a comfortable walking surface while allowing for water percolation. The Permeable 4 1/2" x 9" will provide the project with 5.8% open area allowing water to be infiltrated at a rate of 7" to 8" per hour based on proper installation methods.

Sized at 4 $^5/8''$ x 9 $^1/4''$, the Permeable 4 $^1/2''$ x 9" is a true rectangle, providing the correct

size ratio to create interlock stability. Heavy low speed vehicular loads can be supported. The 4 1/2" x 9" can be produced with a Natural, Tudor®, Tumbled or Chiseled finish. It is stocked in Limestone Gray and Charcoal with a Natural finish. Hanover's full range of colors is available as a custom order.





Office Building; Size & Color: Permeable 4 1/2" x 9" Scored, Quarry Red: Finish: Natural



PERMEABLE 4 1/2" X 9" SCORED

NONSTOCK ITEM

Designed to be installed mechanically, Hanover's Permeable 4 1/2" x 9" Scored is perfect for large driveways, parking lots, and industrial applications. Pavers are laid layer by layer through the use of a machine increasing speed and efficiency. Each layer is composed of four different units to provide maximum interlock with a random appearance.





RESIDENTAL AND COMMERCIAL VERTICAL PLATFORM LIFT

The AmeriGlide HERCULES Vertical Platform Lift is a compact and powerful lift designed for the harsh North American climates. The HERCULES model provides the user with a seamless and safe experience. A series of safety features including; emergency stop buttons, emergency lowering hand-wheel and safety detection sensors offer the peace of mind when operating the lift.

The HERCULES Vertical Platform Lift has been designed, developed and manufactured to B-613, B-355 and ASME 18.1 regulation.

More detailed information is readily available by contacting your Authorized AmeriGlide Dealer.

EASY AND SIMPLE

With our qualified technicians, your platform lift can be installed quickly and safely.

SEAMELSS INTEGRATION

Integration is quick and simple as a result of not needing a mechanical room, drain or overhead clearance.

PEACE OF MIND

Manufactured in North-America, it meets CSA-B613 B355-15, ASME 17.1, ASME 18.1 giving you the peace of mind whatever the application.





Elegance, performance and design

These standard features come on every HERCULES.

No extra cost, just great value!

Capacity

1000

Drive

ACME

Travel Speed

12

Travel

160

MOTOR

24

STANDARD FEATURES

Drive System ACME Screw Drive

Max. Capacity 750 to 1000 lbs

Motor 1.5 HP -24 VDC

Max. Travel Up to 160 inches

Travel Speed 12 FPM

Configurations 0 degree, 90 degree and 180 degree

Controls Constant Pressure Rocker Switch with E-Stop

Codes & Regulations ASME 17.1, ASME 18.1, CSA B613, B355

Equipment Safety Underpan, Emergency Lowering Device,

Galvanized Steel Platform 42" H, Emergency Alarm,

Automatic Folding Ramp, Key Lock Switches, Pit Switches

Continuous Pressure Rocker Switches





Design your Hercules







AVAILABLE OPTIONS

Cabin & Platform Custom cabin heights and platform sizes and configurations

Travel Custom Travel distance ranging from as low as 44" up to 160".

Controls Flush and surface mounts, Call posts, Top Gate Mounted, No Key, Type 455 and Type 2252 (Commercial Kit)

Doors and Gates Wide ranage of door and gate sizes and finishings.

WARRANTY

12 Months* 12 Month limited warranty on parts from the date of purchase.

FOR PRICING AND ORDERING



Email us at info@ameriglide.com



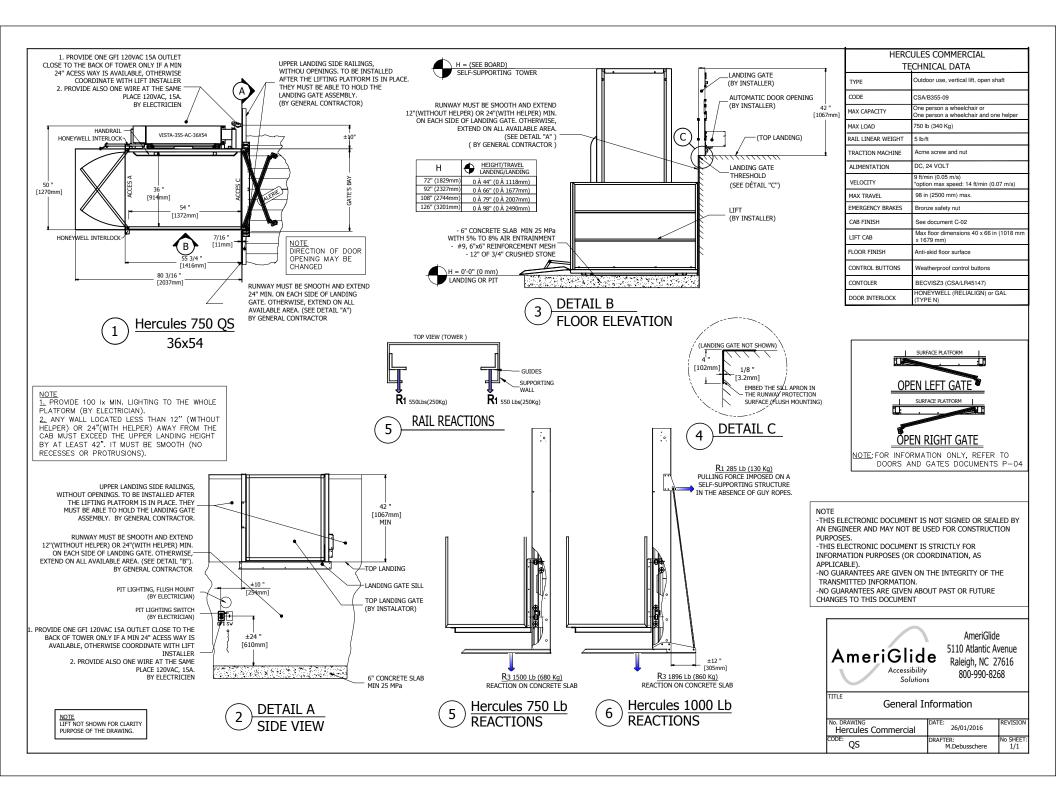
Call us toll free: 800-990-8268



Online at www.ameriglide.com

*Certain conditions apply. Consult your product's warranty for more details.







Vertical Platform Lift

Installation Guide



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Disclaimers and Important Information

AmeriGlide, Inc. shall not be held responsible or liable for any personal injury or property damage caused by or resulting from inappropriate operation of original product or of a product that has been modified or altered from the original Vertical Platform Lift (VPL) design. No person or company is authorized to change the VPL design without authorization and the express written consent of AmeriGlide, Inc.

Important

Do not throw away, destroy, or lose this installation guide. The instructions included in this guide must be followed to prevent product malfunction, property damage, injury, or death to the user or other people. Incorrect operation due to ignoring instructions found in this guide can cause harm, damage, injury or death. A summary of safety precautions is found below.

For more technical materials such as drawings and specification, end user support, and manuals, visit www.ameriglide.com

Warning

Read all instructions contained in this installation guide before installing the AmeriGlide VPL. It is highly recommended to observe and adhere to all governing codes and ordinances in the job site locale. This includes ensuring all work and materials comply and conform with all authorities having jurisdictions. Proper installation is the responsibility of the installer and failure to follow all instructions renders the AmeriGlide Limited Warranty null and void.

Safety Precautions

Safety of personnel is the primary concern during all procedures. Before beginning installation, read and understand the installation guide and containing procedures carefully to ensure correct and safe installation. Use the appropriate tools and accessories during installation. Plan your work and do not work alone, if possible. Know how to obtain emergency medical and fire fighting assistance.

Be sure to follow all the precautions on the next page as they are important for ensuring safety. This installation guide classifies the safety precautions into **DANGER**, **WARNING**, **CAUTION** and **NOTE**.

▲ DANGER	Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
WARNING	Failure to follow any of WARNING is likely to result in such grave consequences as death or serious injury.
A CAUTION	Failure to follow any of CAUTION may in some cases result in grave consequences.
▲ NOTE	Provides information such as reminders and guidelines and do not fit into the preceding text.

Important for the Installer

The VPL shall be installed and serviced by an authorized AmeriGlide dealer only. The authorized dealer should refer to this guide for installation and servicing. For maintenance, please refer to the Owner's Manual.

Please carefully read and follow the instructions found in this guide **BEFORE** installing and/or operating the VPL. Improper installation, adjustment, service, use or maintenance can cause personal injury or property damage. If you have any problems or need assistance please contact your dealer immediately.

Codes and Regulations

The VPL has been designed to meet CSA B613/B355 and ASME 18.1 standards. Code requirements and standards for vertical platform lifts vary depending on location and region. It is the installer's responsibility to contact their local code enforcement office and determine all of the regulations they are subject to. You must do this before installing the VPL.

Site Requirements

The VPL must only be installed on an approved pad or floor that has adequate drainage and meets local codes, standards and regulations. In addition, there must be adequate lighting and sufficient headroom above the lift. Please refer to and verify with the Technical Drawings before beginning the install.

Electrical Requirements

The VPL requires a 110VAC-20 AMP or 110VAC-15 AMP grounded electrical circuit and a GFCI protected circuit. Depending on local codes and regulations, this connection may need to be routed in electrical conduit and hard-wired.



DO NOT OPERATE OR RIDE ON THE LIFT UNTIL IT HAS BEEN ANCHORED TO AN APPROVED PAD OR FLOOR.

Installation Safety Instructions



To reduce the risk of fire, electric shock, personal injuries, and/or death, obey the following precautions:

- Never exceed the maximum rated lift capacity.
- Never use the VPL to lift freight or other materials than intended by design.
- Read and understand the installation guide prior to installing the VPL.
- Wear appropriate safety protection equipment for your head, eyes, hands and feet during all phases of the installation.

- Use extreme caution when lifting components into position to avoid personal injury and damage to the equipment.
- Keep panels and protective coverings in place to avoid potentially fatal injury.
- Disconnect power from the unit before performing any electrical or mechanical service operations.

- Never bypass sensor switches which prevent accidental start up when protective panels are removed.
- Be aware of the location of others in the work zone.
- Do not wear jewelry or loose clothing.

- Use only recommended anchor fasteners.
- Lock the wheels of any mobility device riding on the platform.
- Check and verify for applicable local codes and regulations.



Failure to comply the these Installation Safety Instructions could render the AmeriGlide Limited Warranty null and void. If you have any question or concerns that are not covered in this installation guide, please contact your dealer immediately.

Prepare Your Tool Bag

Electrical Tools



Tester - AC/DC Clamp On Power Meter (100 A dc Min)



Impact Driver - 1/4" Hex Drive Impact Driver



Drill - 1/2" Max Diam Drill with Impact Function to Drill Concrete

Screwdrivers



Philips - (PH1) (PH2) (PH3)



Pozidriv - (PZ1) (PZ2)



Tork Bo



Slotted - (0.4 X 2.5) (0.6 X 3.5) (0.8 X 4.0) (1 X 5.5)



Hexagon - (3MM) (3/32") (7/64") (1/8") (9/64") (5/32") (3/16") (7/32") (1/4")



Square - (#1) (#2) (#3)

1/4" Drive Hex Bits



Philips - (PH2) (PH3)



Square - (#2)



Extension



Adapter - 1/4" Hex Shank to 3/8" socket Square drive

Rachet



0

1/4" DR X 5" LONG



1/2" DR X 8" LONG

3/8" DR X 7" LONG

1/4" Drive Hex Socket





Hexagon - (13MM)

3/8" Drive Hex Socket





Hexagon - (7/16") (1/2") (9/16")

1/2" Drive Hex Deep Socket





Hexagon - (9/16") (3/4")

Drill Bits and Taps



Drill Bits - (9/64") (5/32") (13/64") (17/64") (5/16") (3/8")



Concrete Drill Bit - (1/4") (3/8")



Taps - (8-32) (10-24) (1/4-20) (5/16-18) (3/8-16)



Taps Holder - Tap Holder or Driver Attachment for Drill



Punch Set - Kit

Dolly





Hand Tools



Hammer - 16 Oz. Min hammer



Pry Bar



Rubber Mallet - 16 Oz. Min Rubber head mallet



Utility Knife - Snap Off Utility Knife 25mm Blade



Tape Measure - 16' Min



Bubble Level - 48" Beam Aluminum Bubble Level



Plumb Bob - 8oz Brass Plumb Bob

Zip Ties - (12")

Pliers



Long Nose - 6"



Stripper - #10-22 AWG



Crimper - #10-22 AWG (insulated and non-insulated terminals)



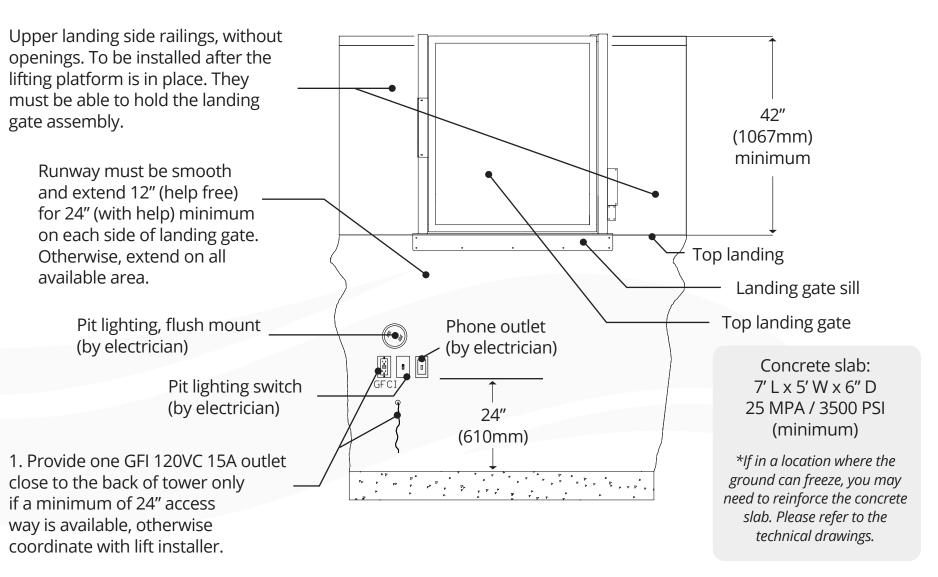
Fuse Puller



Retaining Ring - 8" Steel Retaining Ring Pliers

Installing the Vertical Platform Lift

Step 1: Verify the job-site requirements.



Job Site Preparation

What You'll Need:

- **Electrical:** 120v/20a outlet (do not connect supply through the GFCI outlet)
- Concrete slab 5 x 7 x 5"
- Protection wall / flush smooth / no pinch points





Step 2: Inspect the crate

- A. Look for damages
- B. Open box and make sure you have all parts

Parts Included:

- 2 U1 batteries (if DC unit)
- 1 box: folding ramp arm, bolts, touch up paint, labels, guides, bolts
- 1 installation kit (box)
- Folding ramp, 2 guard-panels, floor, under pan, top cover, car sling, top gate / interlocks / call stations (if applicable)







Step 3: Position the platform tower

A. Bring the tower on the concrete slab with a dolly

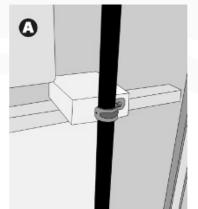


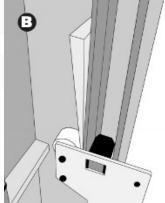
If you have an extended VPL model please refer to the **Extended VPL Tower Guide on page 25.**

- B. Raise the tower and place it in its approximate position. (**PRO TIP:** you can also use steel bars as rollers, a pry-bar and mallet, or walk the tower corner to move easily the platform on the concrete slab See image Step #15)
- C. DO NOT ANCHOR THE TOWER YET***

Step 4: Remove the shipping blocks and fasteners

A Remove the tower front panel cover to gain access to the inside of the tower.





Step 5: Attach the car sling to the tower

- A. Bolts are already on the car sling (unscrew and screw)
- B. **IMPORTANT:** Use the same bolt combination that is already on car sling
- C. **DO NOT tighten the bolts yet.*****

How to Attach the Car Sling (1:50 - 3:00)



https://youtu.be/nhnZ1rhT9a0

Scan to watch!

more videos can be found at youtube.com/ameriglide

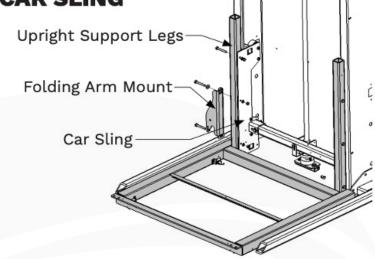
4.1 MOUNT CAB SUPPORT LEGS TO CAR SLING

MATERIALS

Hardware is already attached to the Upright Support Legs, keep the same bolt order and configuration when installing.

INSTALL

- Align the Upright Support Legs with the Car Sling.
- 2. Align the Car Sling mounting holes with those of the Upright Support Legs.
- Using the same bolt configuration, attach together the Upright Support Legs & Folding Ramp Mount with the Car Sling.



Step 6: Secure the travel cable and the under-pan cable

A. Fix the travel cable on the side of the car sling (as shown below)



Step 7. Lift the car sling slightly off the ground with the hand crank, and then tighten the bolts

Step 8: Install the platform floor centered on the car sling

B. Fix the under-pan wire in the corner of the roller arm and secure with a zip-tie.

Securing the Travel Cable (1 minute)

https://youtu.be/Qp_hAtRwBK4

Scan to watch!

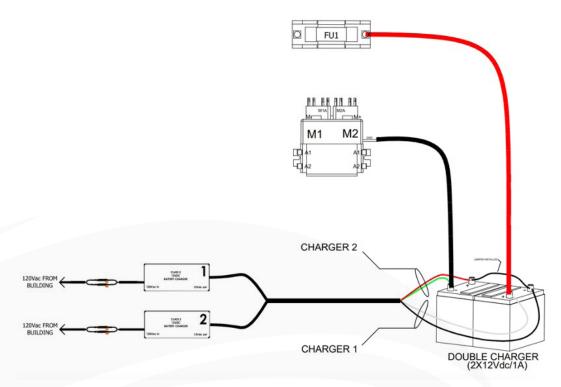
more videos can be found at voutube.com/ameriglide



Step 9: Connect the batteries (If you have an AC model, jump to Step 13)

A. Wiring scheme available by scanning QR code





Step 10: Once the batteries are wired

A. Plug in the platform power plug, make sure all emergency stops are pulled (COP & side of tower), make sure call stations and COP keys are turned on and the platform should now move up and down.

Step 11: If the platform does not move: Perform the startup (safety) conditions

- A. Follow the startup condition points, and when the voltage drops, that's where your problem is.
- B. QR code to access the troubleshooting guide (side of the tower).

VPL Troubleshooting Guide



Scan to read!

Checking the Safety Pan Circuit (4 minutes)



https://youtu.be/yLsmwLHwa5s

Scan to watch!

more videos can be found at youtube.com/ameriglide

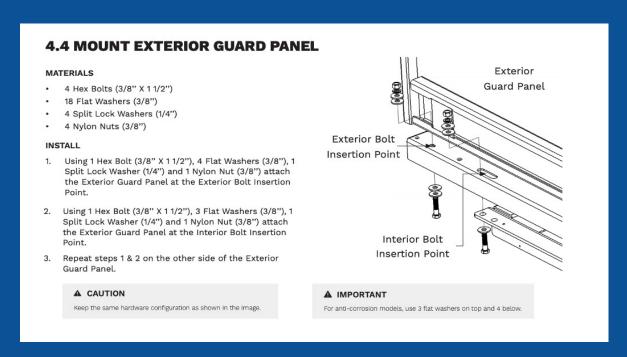
Time Stamp for Checking the Safety Pan Circuit

0:10	Tools Required	5:48	P5 F.O. Switch Connections
0:20	P1 Accessing Internal Components	7:21	P6 Emergency Stop
1110	nternal components	9:35	P7 i1 Jumper Voltage
2:35	P2 Testing Main Fuse	10:18	P8 Gate Interlock
4:00	P3 Testing the Breaker	10.10	and Usage
5:09	P4 Testing Limit Switch Connections	11:56	P9 Safety Pan Circuit

Step 12: Run the platform a few inches up then down to verify functionality

Step 13: Attach exterior wall

- A. Tighten with impact gun and torque after with a hand wrench.
- B. Follow installation guide for more details



Mount the Exterior Guard Panel (7:46 - 8:38)



https://youtu.be/YuMiRKLnROA

Scan to watch!

more videos can be found at youtube.com/ameriglide

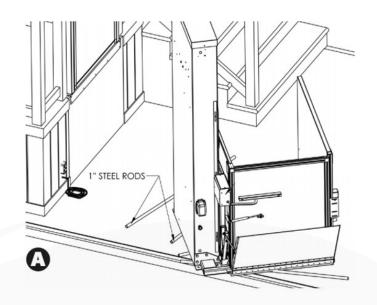
Step 14: Final placement of the tower

A. Refer to local codes to determine the gap space between the end of the platform and the edge of the top landing. (Standardly will be with in ¾ of an inch from the landing wall)

5.3 POSITION THE LIFT

INSTALL

- Lay 1-inch steel rods into position.
- 2. Roll the lift onto steel rods (A).
- Using the pry bar, gently maneuver the lift to the proper orientation for the cab type.
- 4. Slide the lift into position using the steel rods as rollers. Align the lift with Upper Landing Gate (3).



Step 15: Level the tower

- A. Use a level and shims to level the tower (we supply stainless steel shims in the installation kit)
- B. Check the platform, both legs and both sides of the tower to ensure it is leveled.
- C. After leveling double check the platform gap (running clearance) to be sure it has not moved. Adjust if necessary.

Step 16: Anchor the platform to the concrete slab

- A. Drill the 6 holes with a hammer-drill.
- B. Place the lag bolts in the holes and hammer them down, but DO NOT tighten them yet (Use the supplied Cobra concrete anchors)
- C. Perform a final verification that the platform gap is the same and that the tower is still level.
- D. Tighten the 6 lag bolts in a star pattern.

5.7 ANCHOR THE LIFT TO THE PAD OR FLOOR

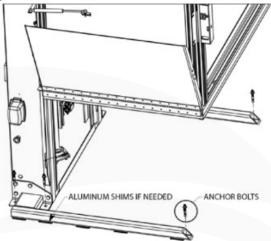
MATERIALS

- 3/8" Concrete Drill Bit
- 6 Anchor Bolts
- Aluminum Shims
- Pry Bar

INSTALL

- Position the lift into its final location.
- Verify that the lift is positioned properly and according to the site's drawing plan. Verify that the lift is level and shim if necessary.

- Drill 6 holes into the floor/pad, using the lift's anchor points as a template.
- Verify that the drilled holes are proper size to accept the Floor Anchors.
- Drive anchors into the foundation.
- Secure the lift in place by tightening the Floor Anchor bolts to 25ft-lb



WARNING

Dust or debris may have settled into the freshly drilled holes. Clean out the holes to ensure the Floor Anchors set correctly.

▲ CAUTION

Verify the maximum landing clearance between the platform and the protection wall. In Canada - HERCULES DC B613(RESIDENTIAL): maximum clearance of 1" and HERCULES DC B355 (COMMERCIAL): maximum clearance of 1/2". In the USA shall not be less than 0.375" (10mm) nor more than 0.75" (20mm)

Step 17: Set the upper and lower landing switches

A. Platform must stop on the limit switches for both top and bottom landing. That's what unlock the gates / interlocks.

Upper Landing Switch Adjustment (2 minutes)



https://youtu.be/FTEqSizFR4o

Scan to watch!

more videos can be found at youtube.com/ameriglide

Step 18: Install and wire call stations

A. Plug into the 3-pin quick connector (see right for the platform panel box)



5.9 INSTALL LOWER LANDING CALL STATION

MATERIALS

Lower Landing Call Station

4 Tapcons 1/4 inch X 1 3/4 inch (If applicable)

INSTALL

Wire according to the provided Electrical Diagram(s).

Mount or fix the Call Station to the floor or pad with 4 Tapcons when applicable.

The Lower Landing Call Station wires must be protected and/or anchored to the ground or buried.

Mounted

Wall Post Mounted

Wall Post Mounted

Mounted

A DANGER

In the event that the Lower Landing requires a custom door or the door is being providing by an Installer/client, Remove the Jumper Cable (CN16, 15-16) on the Cable COP 16-PIN Terminal Block (NOT ON THE TOWER CONTROLLER).

B. pass the wires inside the conductors.This protects the wires and avoid potential shorts.



Install Lower Landing Call Station (7:20 - 7:45)

https://youtu.be/YuMiRKLnROA

Scan to watch!

more videos can be found at voutube.com/ameriglide



Step 19: Install and wire the upper landing gate

- A. Align the gate with the platform opening to avoid pinch points.
- B. Connect the gate & interlock wire quick connectors into the platform controller quick connectors.
- C. **TIP:** Run the wires in conduits to protect them and avoid potential issues in the future.
- D. Fix the supplied "L" brackets on each side of the gate to secure and stablize the gate to ensure proper operation of the interlock. (see image on the right)

Gate and Interlock Adjustments (3 minutes)

https://youtu.be/HDuXYiwdT64

Scan to watch!

more videos can be found at youtube.com/ameriglide





Step 20: Adjust the interlock

- A. Both gate posts must be anchored and level.
- B. Once posts are steady and straight, adjust the latch to enter the dead center of the interlocks latching hole and tighten into place.
- C. Then, insert the latch inside the interlock until it locks.

***Note:** there are 2 micro-switches inside the interlock they both must be released non-activated) or the unit to run!

Installing the Interlock in the Door Frame (2 minutes)



https://youtu.be/Fd74uuFZ5pY

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Surface Mounting an Interlock for Customer's Door Supplied (2 minutes)



https://youtu.be/JAlsWFpr83c

Scan to watch!

more videos can be found at youtube.com/ameriglide

Unlocking a Stuck Interlock (1 minute)



https://youtu.be/CQfH9VsYJnA

Scan to watch!

more videos can be found at youtube.com/ameriglide

Step 21: Attach the folding ramp control arm and the ramp

- A. Then move platform to ensure it functions properly. Make any adjustments necessary.
- B. Be careful not to put weight on it while it is folding. It'll brake it.

Folding Ramp Adjustment (2 minutes)



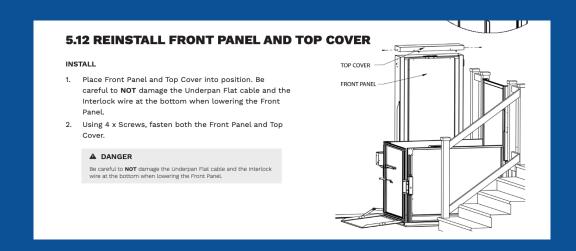
https://youtu.be/JeCicf6ucg0

Scan to watch!

more videos can be found at youtube.com/ameriglide

Step 22: Install facade panel (tower front wall) and top cover

A. Plug into the 3-pin quick connector (see right for the platform panel box)



Step 23: Attach COP into the interior guard panel

- A. Secure the travel cable to the interior panel with a zip-tie.
 - a. Pulling traveling cable towards the COP cover and zip-tie tightly.
 - b. Fit the rest of the traveling cable under the COP cover.

Install the Interior Guard Panel

(10:24 - 12:59)



https://youtu.be/YuMiRKLnROA

Scan to watch!

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Step 24: Attach the under-pan under the platform

- A. Make sure each micro-switch is adjusted downward. (4x)
- B. The switches shall only click when under-pan is pushed up.

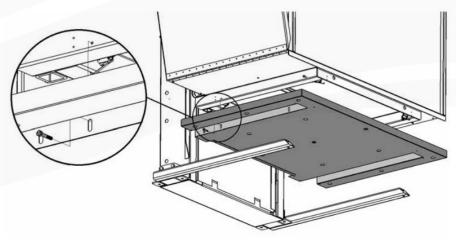
4.5 ATTACH SAFETY UNDERPAN

MATERIALS

4 Hex Bolts (1/4"-20 x 1 1/2")

INSTALL

Attach one side of the Safety Underpan using 2 Hex Bolts (1/4"-20 x 1 1/2"). Repeat this step on the other side of the Safety Underpan.



Under Pan Installation

(9:05 - 9:38)



https://youtu.be/YuMiRKLnROA

Scan to watch!

more videos can be found at youtube.com/ameriglide

Step 25: Attach all stickers/labels in appropriate place

Step 26: Instruct the customer on safe operation of the lift

- A. Safe operations of the lift.
- B. Who/how to call for service and the information needed for service.
- C. Emergency lowering device.
- D. How to unlock gate interlock with the override key
- E. Beeping alarm = estop engaged
- F. Recommend to leave the unit 24" above the ground during winter to avoid it freezing to the ground
- G. Always let the power supply on otherwise you will dry the batteries.

Extended Tower Installation Guide

If you have an extended VPL model, please refer to this guide. Make sure to read this guide carefully to ensure correct installation.

For residential and Commercial applications

Step 1: Remove Drive Motor

Procedure

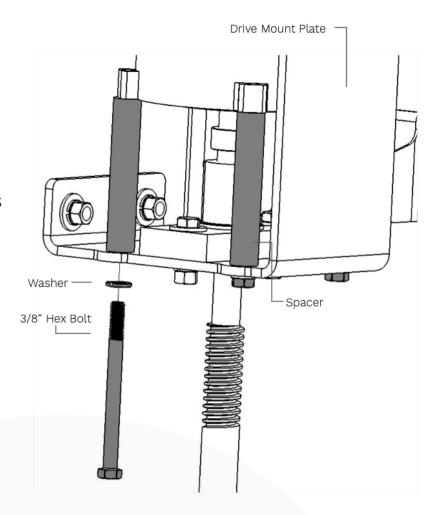
Unmount the Drive Motor

Install

- A. Unfasten the 4 Hex Bolts, 4 Washers and 4 Spacers
- B. Remove the Drive Motor and set aside

IMPORTANT

ENSURE TO KEEP THE SAME BOLT CONFIGURATION FOR REMOUNTING THE DRIVE MOTOR IN STEP 8.



Step 2: Position Lower Tower and Install Back Panel

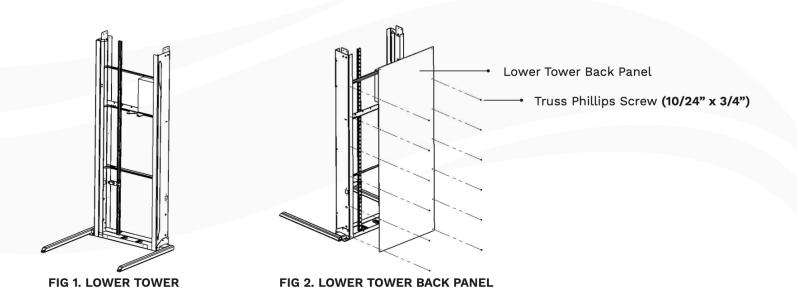
Materials

- Lower Back Panel
- Truss Phillips Screws

Procedure

Place the Lower Tower near to it's final position and install the Back Panel

- 1. Slide the Lower Tower near it's final position. **Be sure to leave room behind the Lower Tower so that you can access it from the back.**
- 2. Align and fasten the Lower Tower Back Panel using Truss Phillips Screws (10/24 X 3/4").



Step 3: Mount and Fasten Upper Tower

Materials

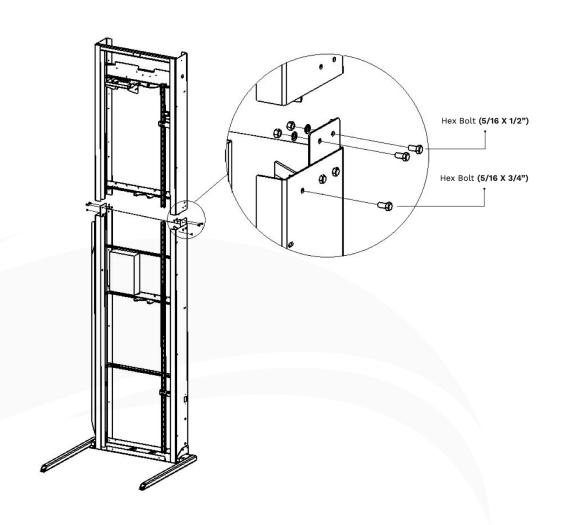
• Upper Tower

- 2 Hex Bolt (3/8 X 3/4")
- 4 Hex Bolts (5/16 X 1/2")
- Folding Ramp Cam Joint and Hardware

Procedure

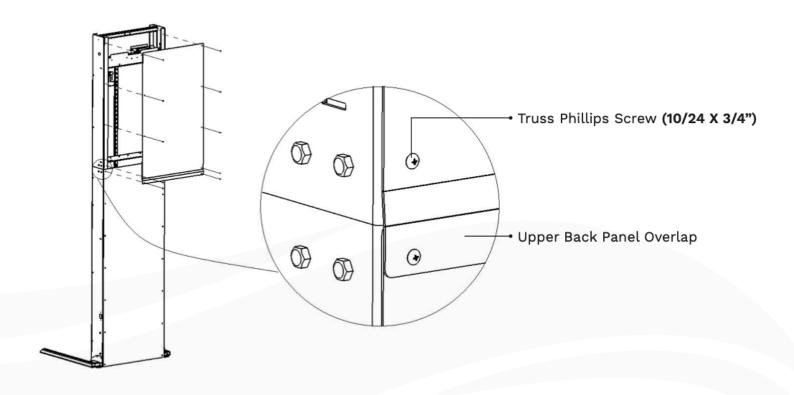
Mount and fasten the Upper Tower on top of the Lower Tower.

- 1. Align and slide the Upper Tower on top of the Lower Tower.
- 2. Fasten the Upper and Lower Tower together using 2 Hex Bolts (5/16 X 1/2") and 1Hex Bolt (3/8 X 3/4") on each side of the Tower.
- 3. Install and fasten he Folding Ramp Cam Joint using 2 Hex Bolts (5/16 X 1"). Hardware is already attached to Angled Iron Bar.



Step 4: Install Upper Back Panel

- 1. Align and fasten the Upper Back Panel using Truss Phillips Screws (10/24 x 3/4").
- 2. Slide the **EXTENDED** Vertical Platform Lift into it's final position.

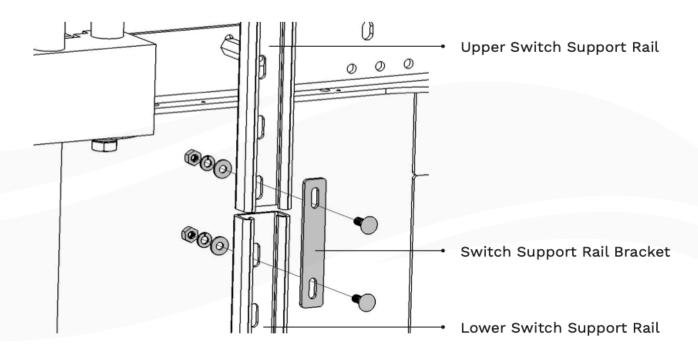


Step 5: Connect Limit Switch Support

Procedure

Fasten together the Upper and Lower Switch Support Rails.

- 1. Connect and fasten the Upper and Lower Switch Support Rails using provided hardware and bracelet.
- 2. Loosen Upper Limit Switch Assembly and unroll the cable. Slide and fasten the Upper Limit Switch into position for later installation and calibration.



Step 6: Install Acme Screw Rod

CAUTION

USE TWO PEOPLE WHEN HANDLING AND INSTALLING THE ACME ROD. BE CAREFUL NOT TO BEND THE ACME ROD. ANY FLEXING OF THE ACME ROD WILL RENDER THE ROD UNUSABLE.

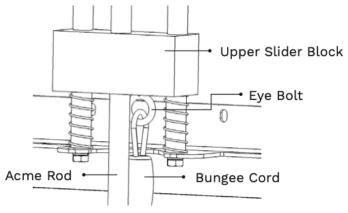
Procedure

Install and fasten the Acme Screw Rod.

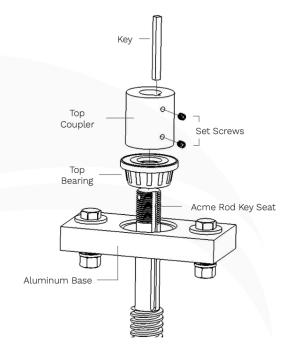
Install

- 1. Place the Top Bearing into the Aluminum Base.
- 2. Position the Upper Slide Block to it's uppermost position.
- Using TWO PEOPLE, slide the Acme Screw Rod through the bottom of the Upper Slide Block Assembly.
 DO NOT BEND OR ALLOW ANY FLEX OF THE ACME SCREW ROD.
- 4. Continue sliding the Acme Screw Rod through the bottom of the Aluminum Base and Bearing.
- 5. While holding the Acme Screw Rod, screw on the Top Coupler all the way down, until the Key Seats of the Top Coupler and Acme Screw Rod align. (It's OK if you have to "Back Screw" the Top Coupler to align the Key Seats).

Upper Slider Block Full Assembly



ACME ROD UPPER ASSEMBLY



6. Thread the Acme Screw Rod

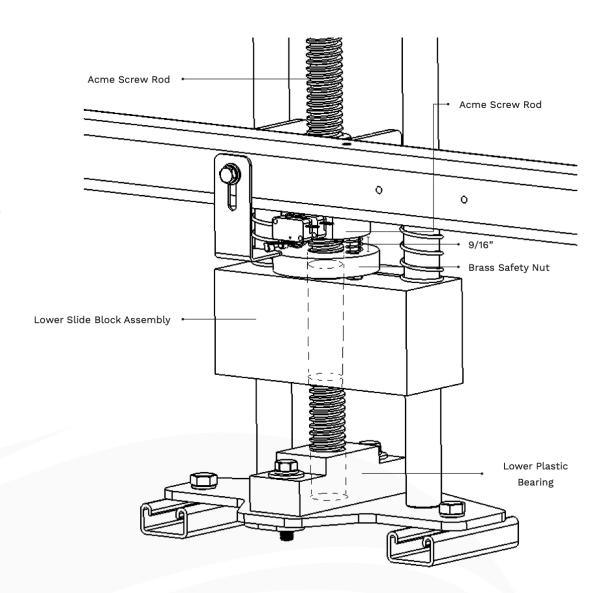
through the Plastic Acme Nut. **DO NOT BEND OR ALLOW ANY FLEX OF THE ACME SCREW ROD.**

7. Continue threading the Acme

Screw Rod through the Plastic Acme Nut, Brass Safety Nut, the Lower Slider Block and into the Lower Plastic Bearing.

8. Ensure the width between

the Bottom of the Plastic Acme Nut and the Top of the Brass Safety Nut is 9/16".

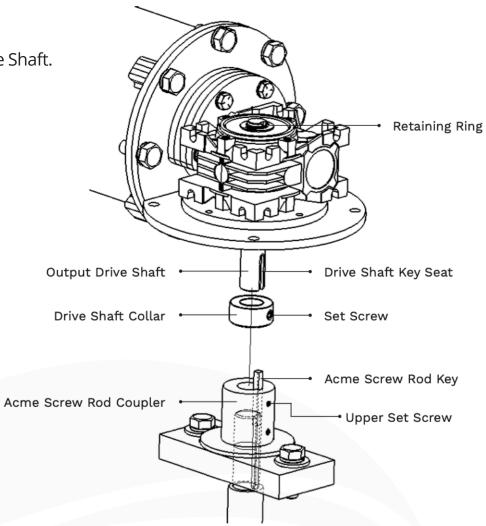


Step 7: Prep the Drive Motor

Procedure

Install and fasten the Drive Motor's Output Drive Shaft.

- 1. Insert the Output Drive Shaft into the 90° Gearbox, keeping the Drive Shaft Key Seat aligned with the Acme Screw Rod Key.
- 2. Slide the Drive Shaft Collar above Drive Shaft Key Seat and fasten Set Screw.
- 3. Install the Retaining Ring before proceeding to the next step.

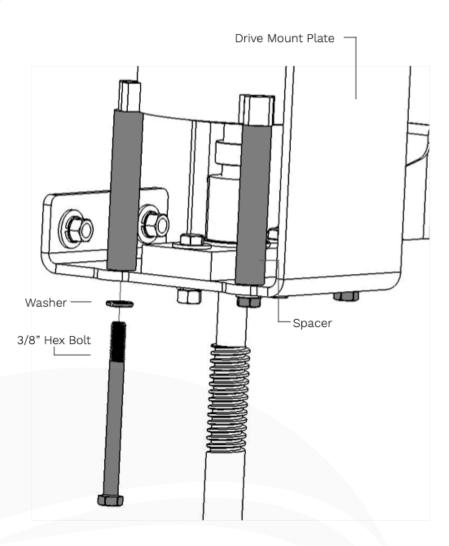


Step 8: Remount the Motor Drive

Procedure

Install and mount the Drive Motor.

- 1. Align the Drive Shaft Key Seat and the Acme Screw Rod Key.
- 2. Slide Drive Motor onto the Acme Screw Rod.
- 3. Tighten the Upper Set Screw on the Acme Screw Rod Coupler.
- 4. Fasten the Drive Motor to the Drive Mount with the 4 Hex Bolts, 4 Washers and 4 Spacers.

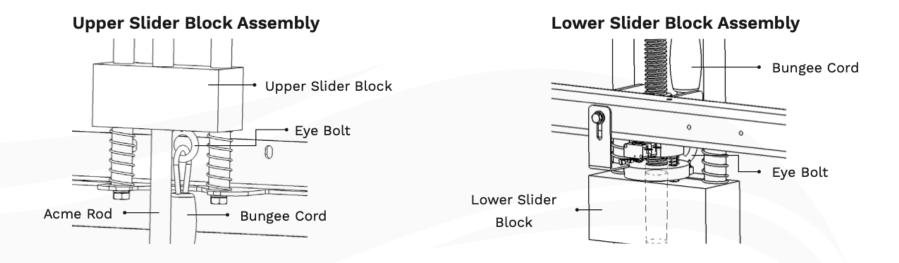


Step 9: Install Bungee Cord

Procedure

Install the Bungee Cord to the Upper and Lower Slider Block Assembly.

- 1. Attach one side of the Bungee Cord Carabiner to the Eye Bolt on the Upper Acme Rod Slider Block Assembly.
- 2. Attach the other side of the Bungee Cord Carabiner to the Eye Bolt on the Lower Acme Rod Slider Block Assembly.



Step 10a: Install Batteries and Wire Drive Motor

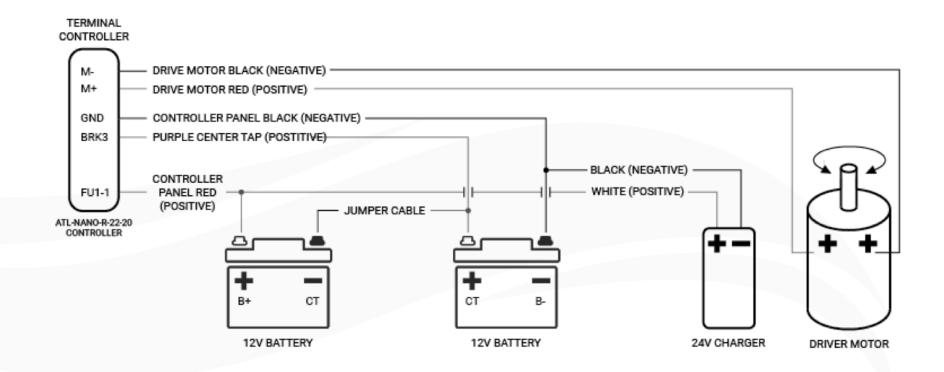
Procedure

Connect Batteries and Drive Motor

NOTE

BATTERY INSTALLATION IS ONLY REQUIRED ON DC MODELS.

- 1. Place batteries into the upper tower position.
- 2. Use the Electrical Diagram to make the proper wiring connections.



Step 10b: Wire AC Drive Motor Configuration

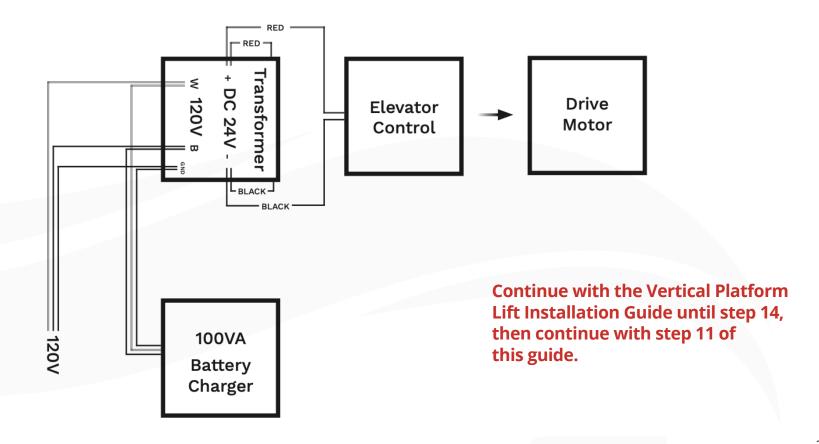
Procedure

Connect the Transformer and Drive Motor

NOTE

THIS INSTALLATION IS ONLY REQUIRED ON AC MODELS.

- 1. Place batteries into the upper tower position.
- 2. Use the Electrical Diagram to make the proper wiring connections.



Step 11: Mount Front Panel Support Bars

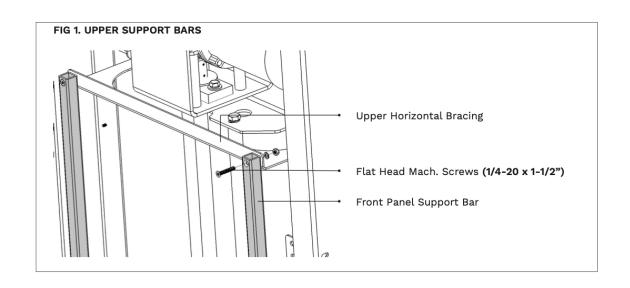
Materials

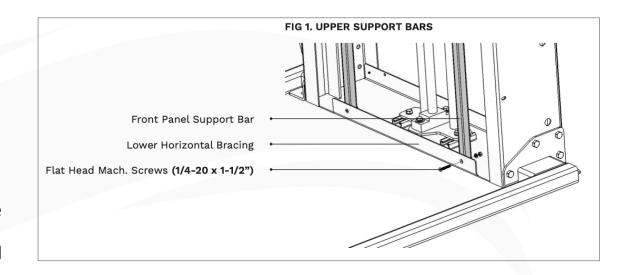
- 4 Flat Head Mach. Screws 4 Hex Bolts (1/4-20 x 1-1/2")
- 4 Washers
- 4 Hex Nuts

Procedure

Install and Fasten the Front Panel Support Bars.

- 1. Fasten the top of the Support Bars. Make sure that the bars are placed on top of the Upper Horizontal Bracing Bracing and fastened with proper bolt configuration.
- 2. Fasten the bottom of the two Support Bars. Ensure that the bars are placed behind the Lower Horizontal Bracing and fastened with proper bolt configuration.





Step 12: Install Front Panels

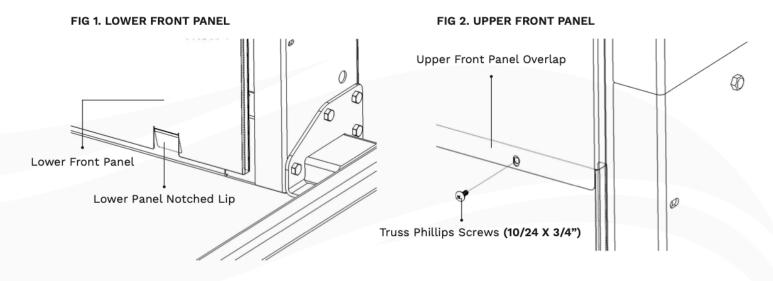
Materials Procedure

- Lower and Upper Front Panels
- Truss Phillips Screws (10/24 x 3/4")

Install and fasten Front Tower Panels.

Install

- 1. Align and slide the Lower Tower Front Panel into position. Fasten the panel using Truss Phillips Screws (10/24 X 3/4").
- 2. Align and fasten the Upper Tower Front Panel. Make sure the Upper Front Panel overlaps the Lower Front Panel. Fasten the panel using Truss Phillips Screws (10/24 X 3/4").



WARNING

ENSURE THAT THE LOWER PANEL NOTCHED LIP SLIDES BEHIND THE LOWER HORIZONTAL BRACING.

Step 13: Mount and Fasten Top Cover

Materials

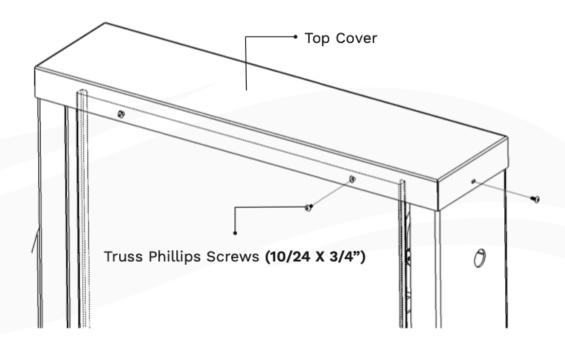
• 4 Truss Phillips Screws (1/4"-20 x 3/4")

Procedure

Place and fasten Top Cover

Install

Place the Top Cover on top of the Tower and fasten into place using 4 Truss Phillips Screws (1/4"-20 X 3/4").





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Massachusetts Cultural Resource Information System Scanned Record Cover Page

Inventory No: SMV.21

Historic Name: Orcutt, W. House

Common Name:

Address: 30 Bow St

City/Town: Somerville

Village/Neighborhood: Prospect Hill;

Local No:

Year Constructed: C 1874
Architectural Style(s): No style;

Use(s): Single Family Dwelling House;

Significance: Architecture;

Area(s): SMV.A

Designation(s): Nat'l Register District (03/26/1976); Local Historic District (03/11/1985);

Building Materials: Roof: Asphalt Shingle;

Wall: Wood; Wood Clapboard; Wood Shingle;

Demolished No



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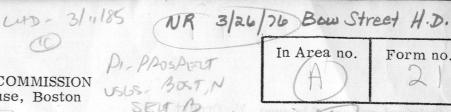
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Commonwealth of Massachusetts
Massachusetts Historical Commission
220 Morrissey Boulevard, Boston, Massachusetts 02125
www.sec.state.ma.us/mhc

This file was accessed on: Wednesday, December 20, 2023 at 9:15 AM

FORM B - BUILDING

MASSACHUSETTS HISTORICAL COMMISSION Office of the Secretary, State House, Boston



1. Town Somerville

In Area no.

Form no.



4. Map. Draw sketch of building location in relation to nearest cross streets and

other buildings. Indicate north.

	Address 30 Bow St.		
	Name W. Orcutt Residence	e Taranga ang ang ang ang ang ang ang ang ang	
cation in the cation of the ca	Present use residence	5(L) 8 m8(L) 18	
	noO	tomothol ga	
	Present owner Helen Gert	rude Rice	
	1161016 1011	Constantly Constantly	
	Date	E LEOUTOTO D	
	Source 1874 map	the ext	
	Style vernacular gable fr	cont	
	Architect unknown		
Leop	Exterior wall fabric clapboard, some shingl		
	Outbuildings (describe) none		
	Other features bay window more recent wing at left	lst floor left, front	
	Altered x (front left)	Date unknown	
	Moved	Date	
5.	Lot size:		



One acre or less x Over one acre

Approximate frontage 50' on Bow St.

Approximate distance of building from street

RECEIVED 15

ion of themes che

DO NOT WRITE IN THIS SPACE JUL MASS. HIST. COMM.

1975 6. Recorded by Margo Jones, Lisette Ellis

Organization Somerville Historical Commission

Date 24 June, 1975

(over)

USGS Quadrant

MHC Photo no.

7. Original owner (if known) W	. Orcutt	E BOB OF USE SECTOLATIVE STATE HOUSE.
Original use residence	moz nwo I. Town Som	
Subsequent uses (if any) and	dates same	
8. Themes (check as many as a	pplicable)	
Aboriginal Agricultural Architectural The Arts Commerce Communication Community development	Conservation Education X Exploration/ settlement Industry Military Political	Recreation Religion Science/ invention Social/ humanitarian Transportation
9. Historical significance (inclu	ide explanation of themes c	hecked above)
although this house is much not have this fine Georgian of the later additions, bot all but rather a richer, mon would have been and not at a	closer to its original c Revival entry, which i th the wing and the entry re complex and sophistica	s a later addition. The result , is not an intrusion at ted facade than the original
dida emos breodusio Diagna as	W MARIAGNAL	
is (describe) none ures bay sindow let floor left to wing attleft front		
front left) Date unknown	y beretiA	
ntsQ		
	5. Lot size:	
	o dyna en@	
te frequence 501 on Nov St.	am MorgyA	
Bibliography and/or reference early maps, etc.)	ces (such as local histories	, deeds, assessor's records,
Hopkins, G.A. publisher.	Atlas of the City of Som	erville. 1874
on Somerville Hatorical Count	HIST, COIVIN	