

# PLANNING GUIDE

## Builder & Architect Edition

### Victorian WD Residential Elevator

2024

All information found in AmeriGlide's Elevator Planning Guide reflects information at the time of printing. AmeriGlide reserves the right to change information without notice.



# Planning Guide

## Victorian WD Residential Elevator

This planning guide is designed to assist architects, contractors, homeowners, and elevator professionals in planning for a home elevator that meets the requirements of ASME A17.1 Part V Section 5.3.

We strongly recommend that you contact the codes authority having jurisdiction in the area(s) where the elevator will be installed. Become familiar with all requirements governing the installation and use of elevators in private residences. It is extremely important for you to know and adhere to all regulations concerning installation and use of elevators.

### **IMPORTANT NOTICE:**

This planning guide provides nominal dimensions and specifications useful for INITIAL planning of an elevator project. BEFORE beginning actual construction, be sure to receive application drawings customized with specifications and dimensions for your specific project. Call 1-855-638-7549 to find a dealer in your area or visit our website at [AmeriGlide.com](http://AmeriGlide.com) and click on "Request a Quote."

Elevator configurations and dimensions are in accordance with our interpretation of the standards set forth by ASME A17.1 Part V Section 5.3. Please consult AmeriGlide or an authorized dealer in your area for more specific information pertaining to your project, including any deviation between referenced standards and those of any local codes or laws. Always contact local code authorities for any variation to standards.

Please note all dimensions and specifications contained herein are nominal and should only be used in the early planning stages. Construction of the actual hoistway and related Victorian Elevator requirements should be based off job-specific application drawings.

This elevator requires 220 VAC - 30 AMP, single phase and separate 115 VAC, single phase 60 Hz circuit with ground fused 15 amp for light circuits.

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# Technical Specifications

## General Specifications

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<b>Drive Type</b>	Winding Drum
<b>Rated Capacity</b>	950 lbs
<b>Travel Speed</b>	40fpm
<b>Maximum Travel</b>	40'
<b>Maximum Landings</b>	4
<b>Power Requirement</b>	240V   single phase   30 amp 110V   single phase   15 amp

<sup>1</sup> For custom platform sizes not listed, please contact AmeriGlide.

<sup>2</sup> 36" x 36" platform size only available for inline cabin configurations.

## Design Specifications

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<b>Cabin Height</b>	84"
<b>Cabin Doors</b>	Manual or Automatic Good Gate
<b>Landing Doors</b>	Landing doors by others, interlocks supplied
<b>Cabin Size<sup>1</sup></b>	Width: 30"- 42" / Length: 36 - 50"

## Fixture Specifications

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<b>Car Operating Panel</b>	Illuminated push buttons with digital position indicator (DPI)
<b>Phone</b>	Cabinet with standard phone
<b>Call Stations</b>	Illuminated push buttons with digital position indicator (DPI)

# Pit and Overhead Requirements

## Minimum Overhead Required

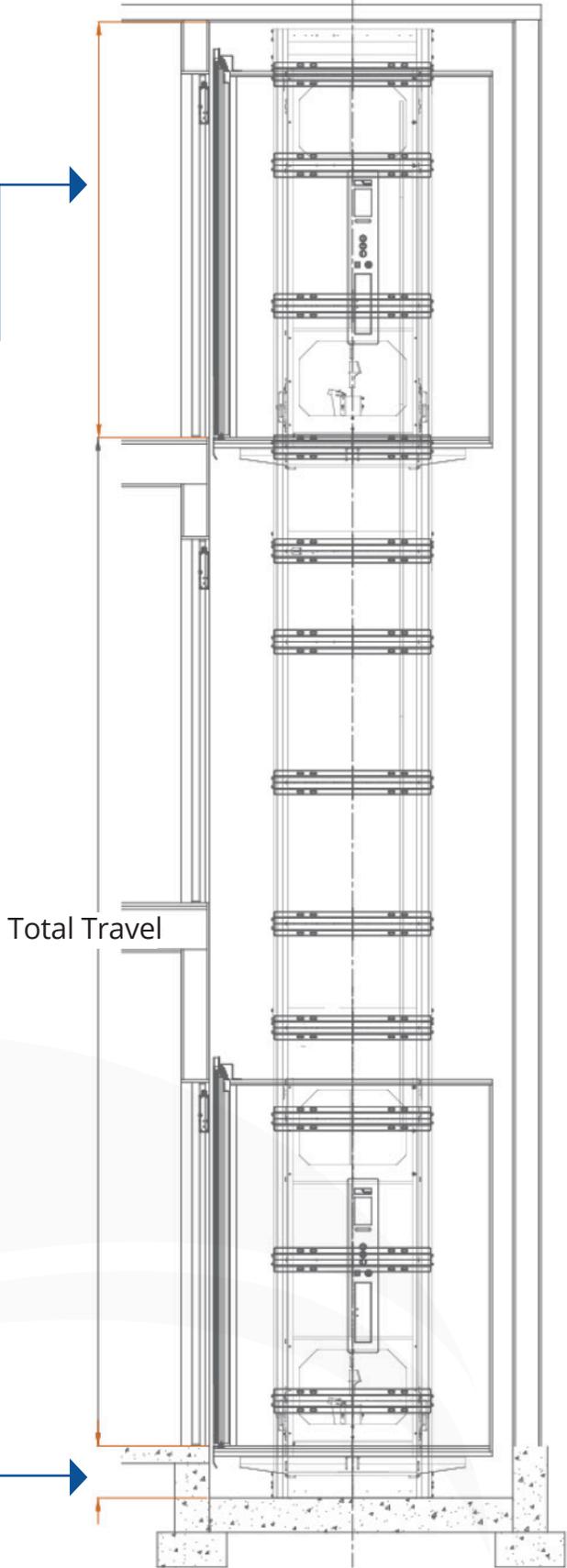
Overhead requirements will vary depending on the method of operating the cabin door. Cabins with manual sliding gates will require less overhead than cabins with automatic sliding operators.

Door Type	Minimum Overhead Required
Good Gate 84" – Manual	96"
Good Gate 84" – Automatic	96" minimum, 102" preferred

Overhead is measured from the floor of the upper landing to the top of the hoistway.

## Minimum Overhead Required

Pit Depth	
Minimum	9"
Preferred	12"



# Landing Door Requirements

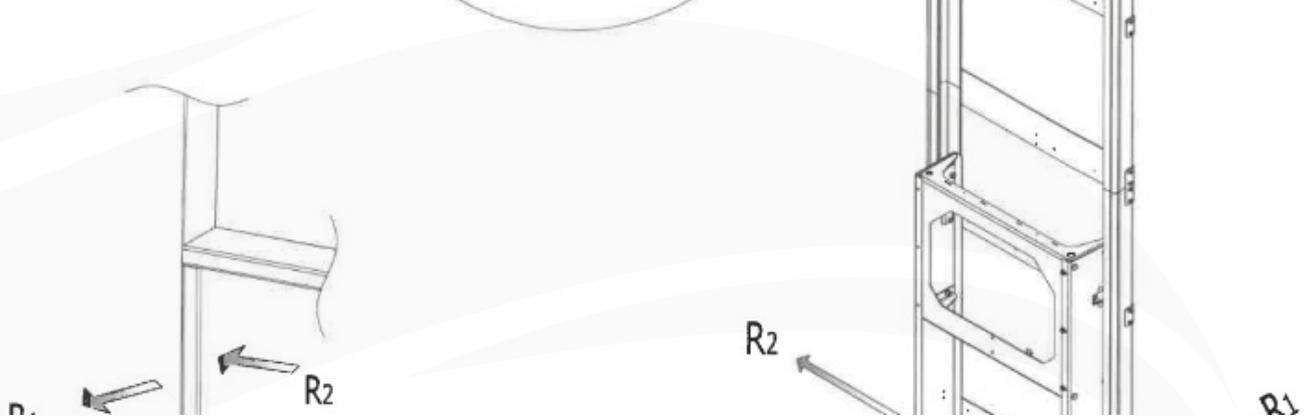
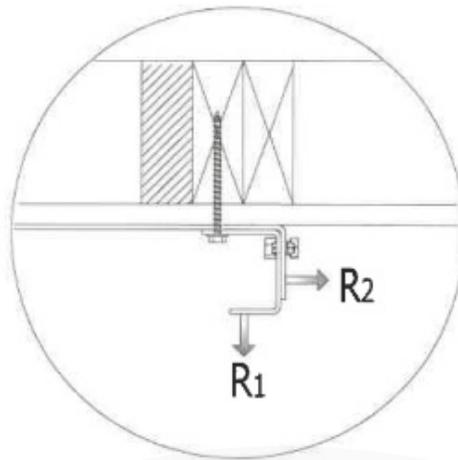
## Landing Door Swing Directions

The sliding gate on all cabin configurations is designed to recess towards the rail wall. This efficiently utilizes the hoistway space, minimizing the total area required. Since the gate collapses in the direction of the rail wall, the opening will be on the opposing side of the rail wall. It is the manufacturer's recommendation to align the opening of the landing door with the opening of the cabin gate. This allows for the maximum gate opening width. A good rule of thumb is to align the hinges of the landing door to be on the same side as the rail wall.

If opposing door swings are required, consult the factory for alternate door centerlines.

### Reaction Details

LOADS	
R1	255 lbs
R2	590 Lbs
R3	4150 Lbs



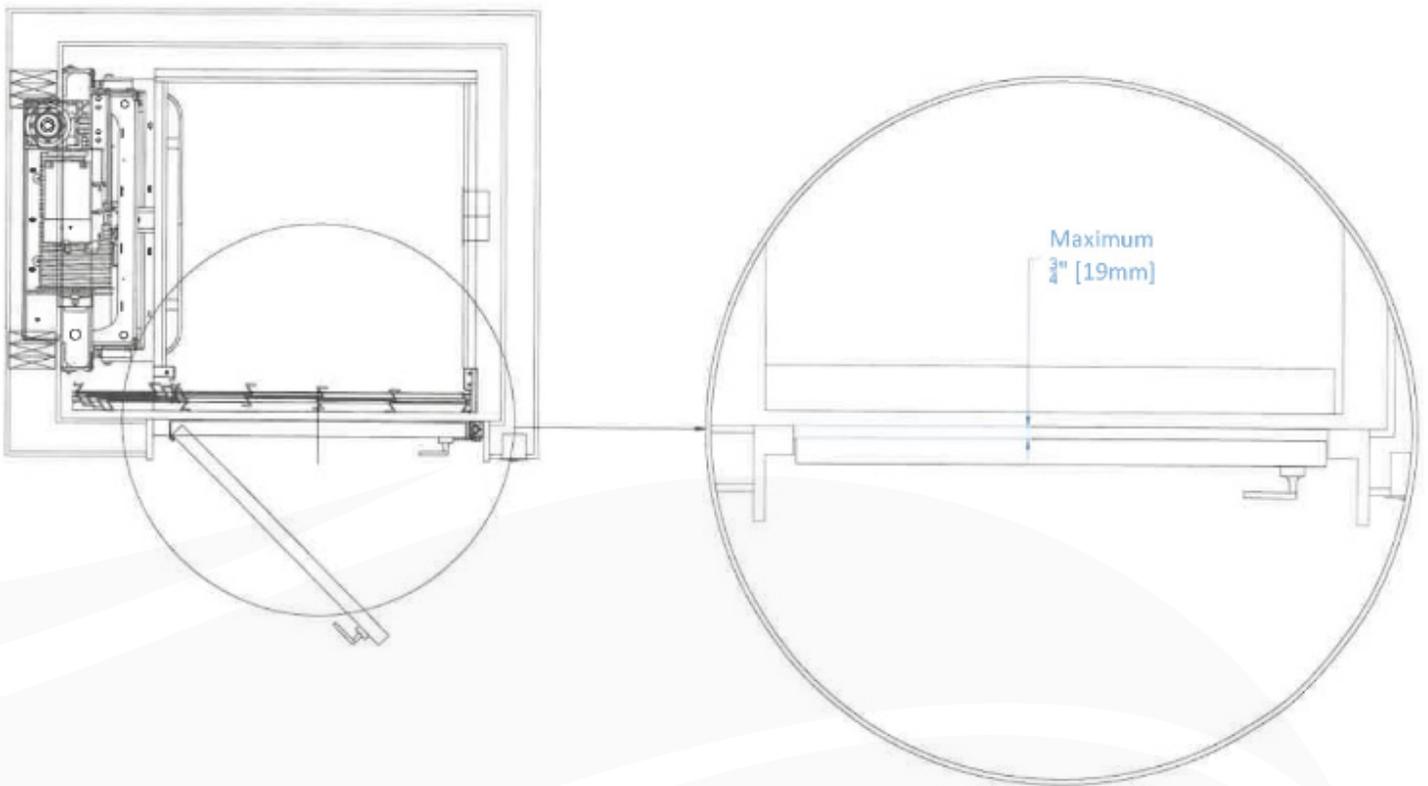
# Landing Door Requirements

## Clearance Between Hoistway Doors and Landing Sills

The Victorian Residential Elevator is designed to meet or exceed the standards established by ASME A17.1 / CSA B44. In jurisdictions following versions of ASME A17.1 / CSA B44 2016 or newer, the maximum allowable clearance between the hoistway doors and the landing sill is  $\frac{3}{4}$ ". In order to comply with this requirement, flush mounting landing doors must be installed.

In jurisdictions following versions of ASME A17.1 / CSA B44 2013 or older, it is still the manufacturer's recommendation that hoistway landing doors be installed in compliance with these standards.

It is the homeowner's / contractor's responsibility to ensure these standards are followed.



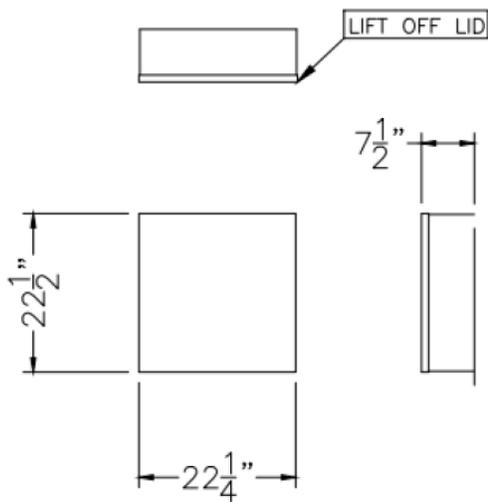
ASME A17.1 / CSA B44 5.3.1.8.2 [2016 and newer)

The distance between the face of the hoistway doors and hoistway edge of the landing sill shall not exceed 19 mm [0.75 in.]

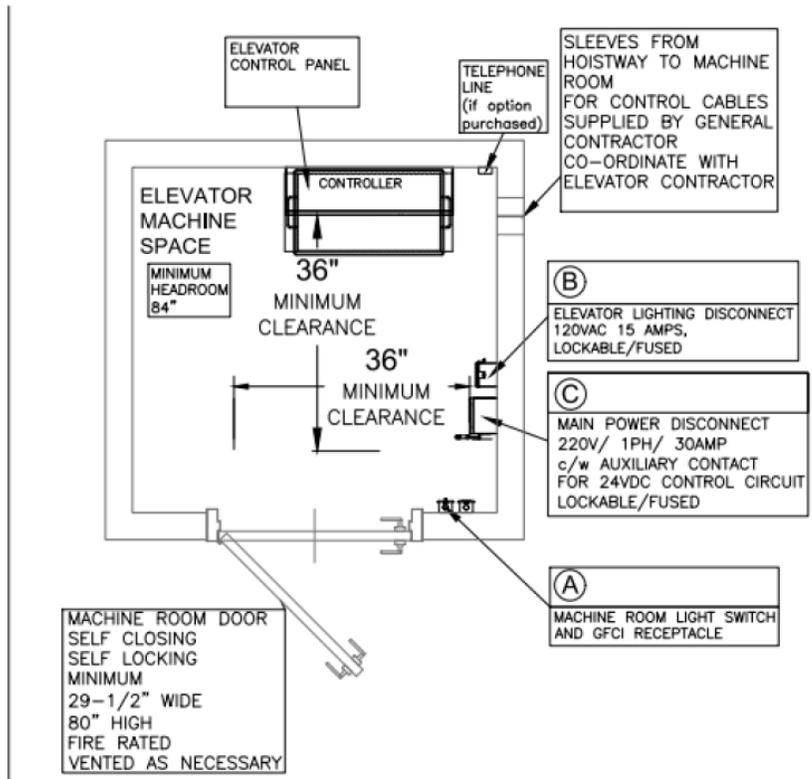
# Machine Room Requirements

For your AmeriGlide Victorian WD Elevator, a machine room is not required. We do recommend a dedicated space, however, such as a closet to install the electrical control panel for the lift. This area should be easily accessed and serviceable. The controller can also be situated in the elevator shaft if allowable in your installation area by code authorities. A dedicated space outside the hoistway is preferred.

Elevator Control Enclosure  
(mounted on wall of machine room)



As per the National Electrical Code, all electrical equipment requires a 36" clear working space in front of the equipment



## Machine Room Requirements (by others)

### Machine Room / Space Lighting and Service Receptacle

Provide a 120 VAC GFCI duplex receptacle at the machine location. Provide adequate lighting in the machine space with a switch located within easy reach of the point of entry. Power to be supplied from distribution panel as an independent branch circuit. Provide a telephone line to the machine room and connected to the elevator controller (if applicable)

### Lighting Supply Disconnect

15 AMP fused lockable disconnect switch for 120-1-60 power supply. Power to be supplied from distribution panel as an independent branch switch circuit. Switch to be fused at 15 AMP.

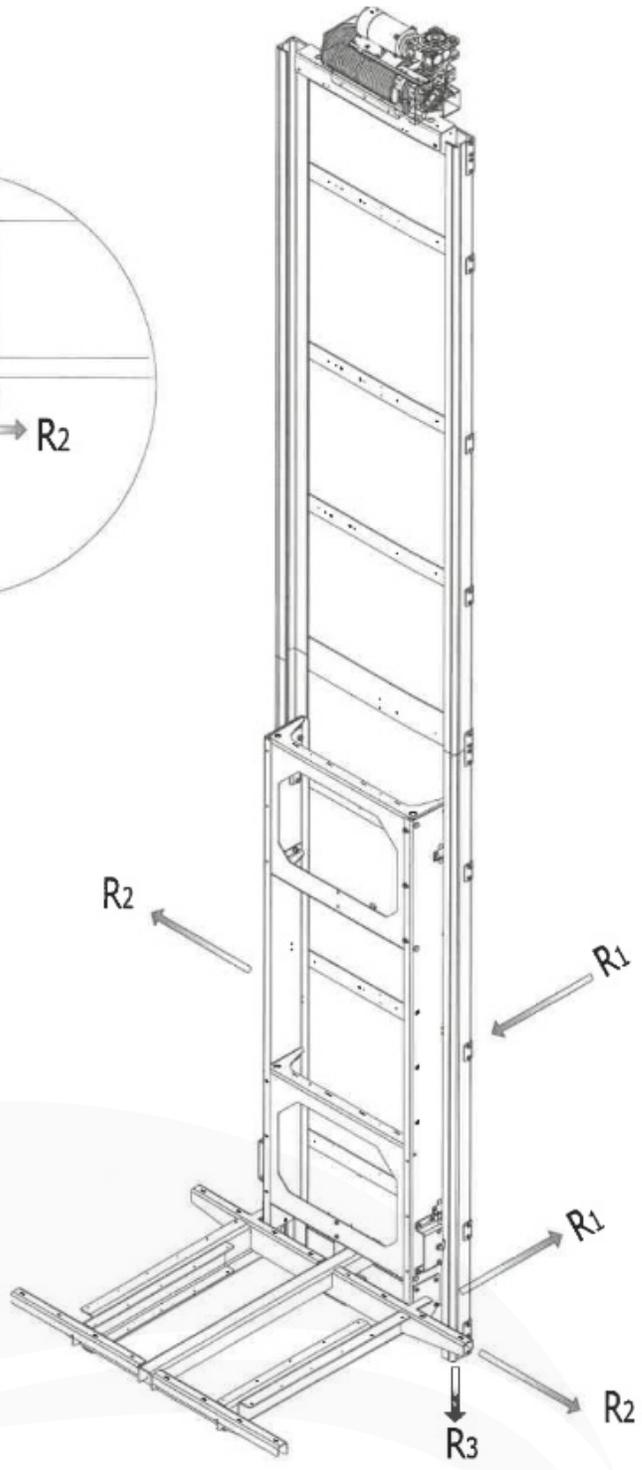
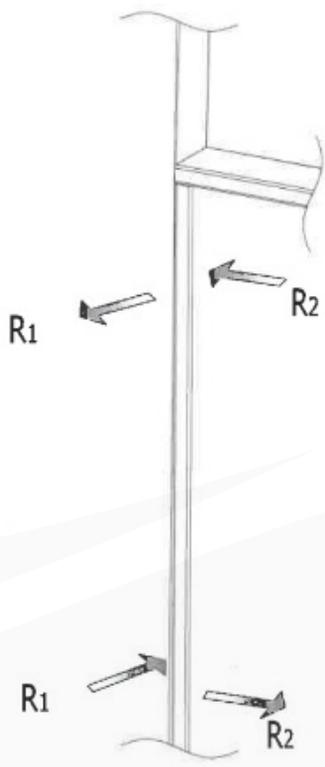
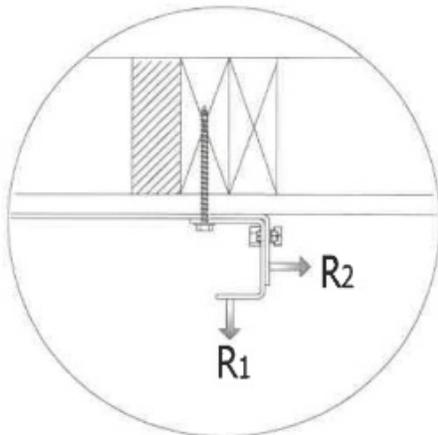
### Main Disconnect

30 AMP fused lockable disconnect switch for main power supply provided with neutral. Switch must also be provided with an auxiliary contact designed to open when the disconnect switch is opened.

# Rail Wall Construction

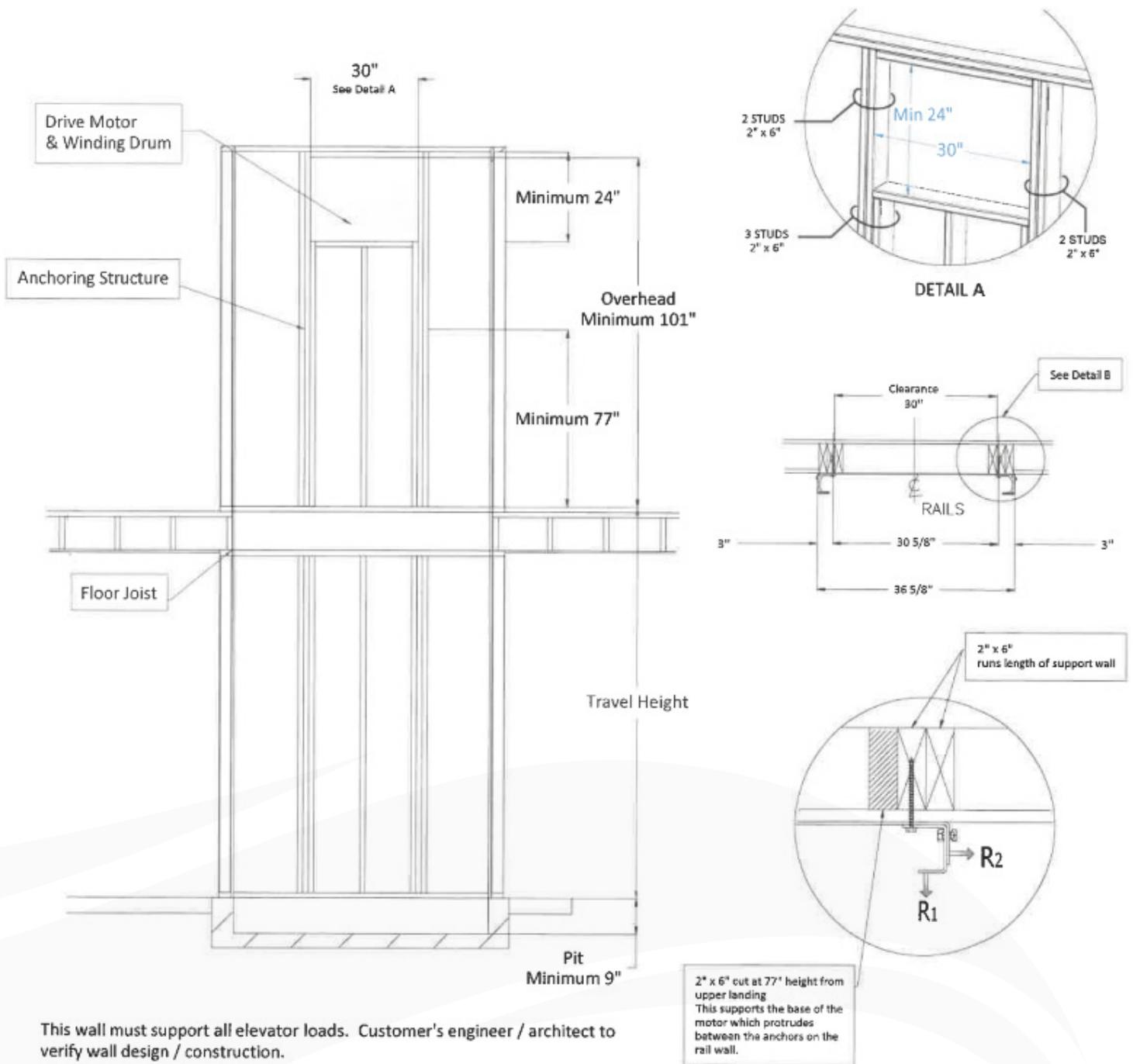
## Reaction Details

LOADS	
R1	255 lbs
R2	590 Lbs
R3	4150 Lbs



# Rail Wall Construction

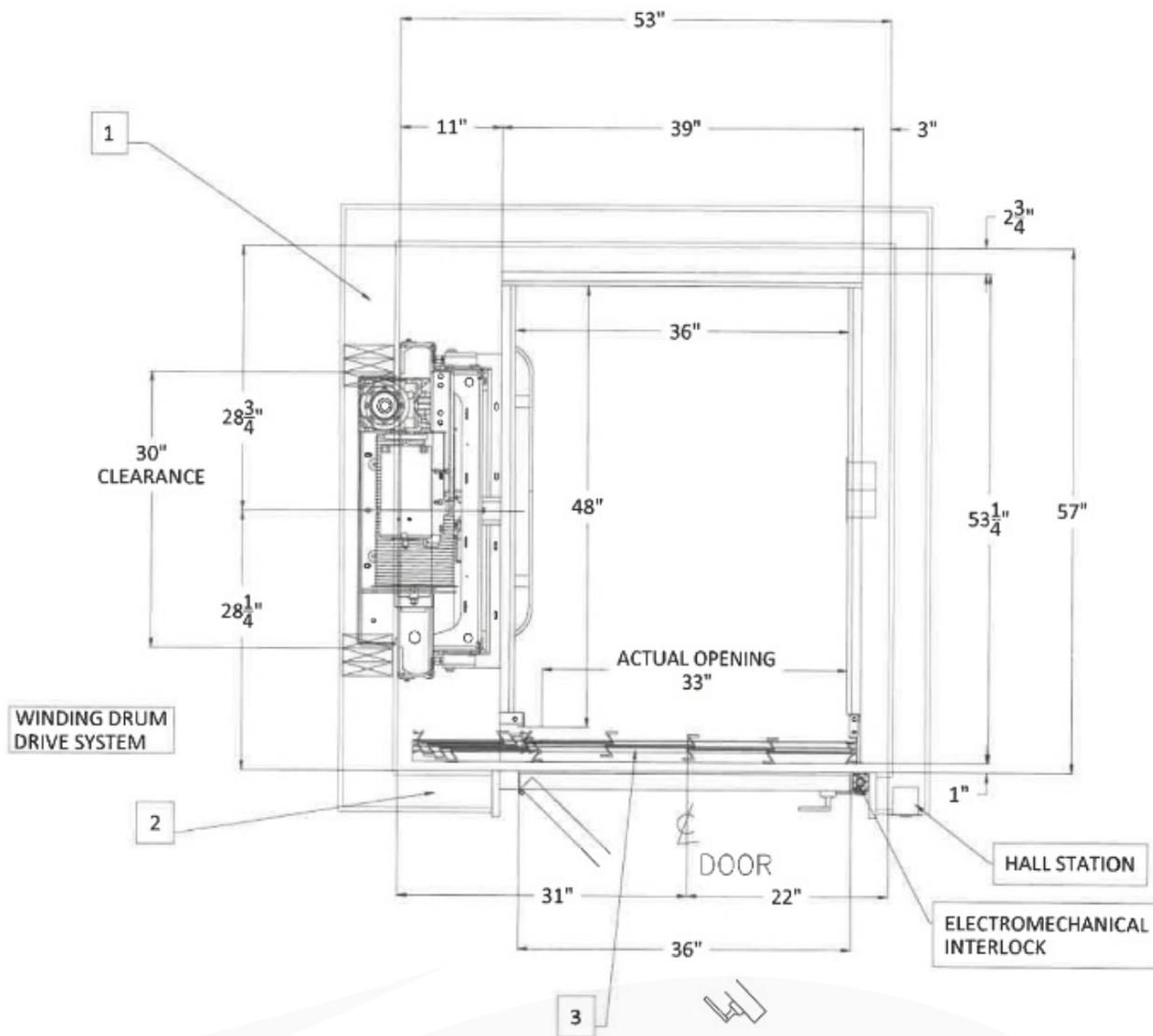
## Suggested Rail Wall Construction





# Typical Hoistway Layout

## Inline Configuration | 36" x 48" Cabin Size



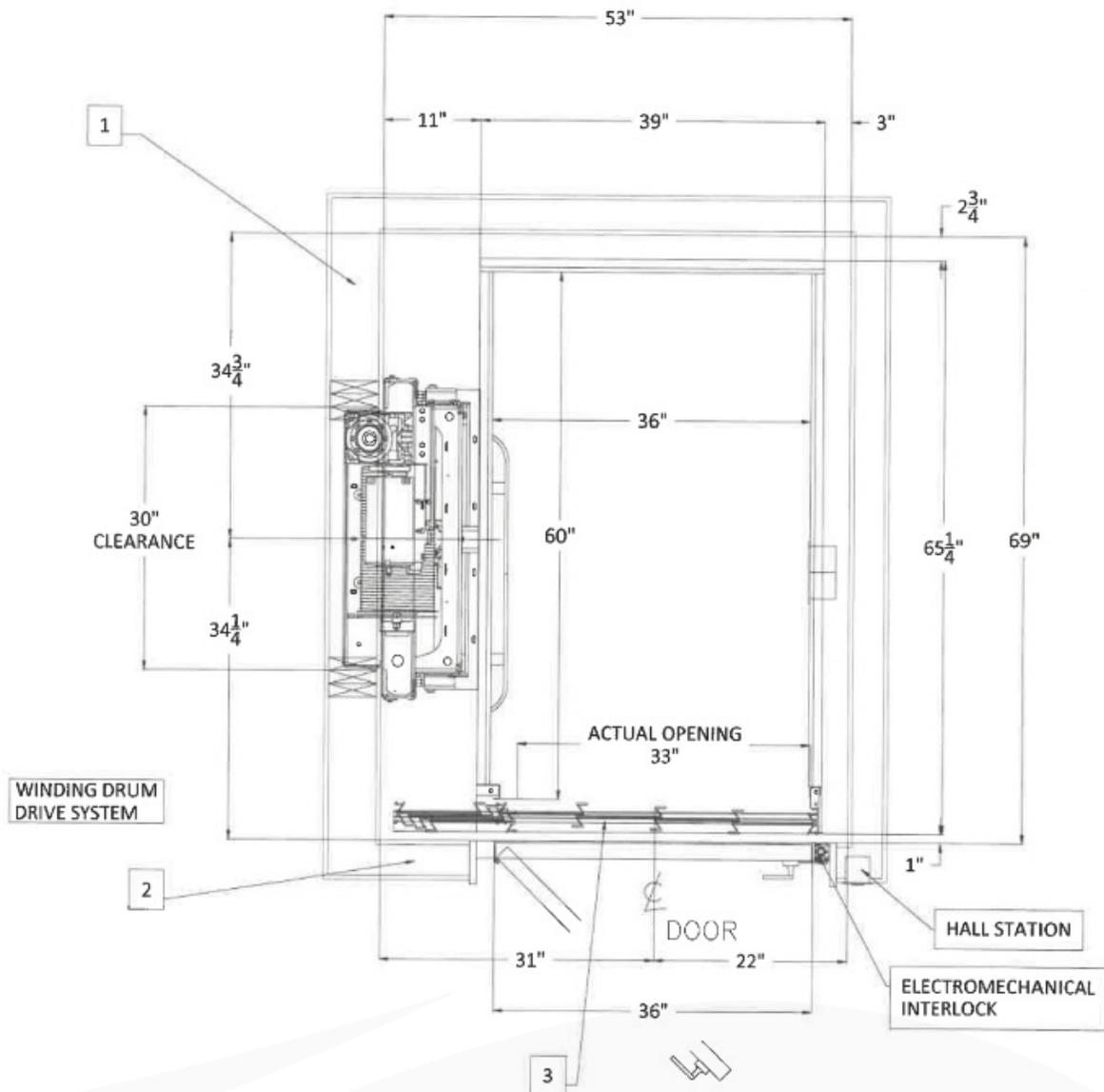
LEFT HAND WALL SHOWN, LAYOUT MAY BE MIRRORED FOR RIGHT HAND RAIL WALL. DOOR CENTERLINES FLIP ACCORDINGLY. DRAWING REFLECTS CLEAR FINISHED HOISTWAY DIMENSIONS.

ALL DIMENSIONS MUST BE SQUARE AND PLUMB WITHIN 1/4" [5 MM]

1. This wall must support all elevator loads. Customer's engineer / architect to verify wall design / construction.
2. 2 x 4 door wall construction recommended. It is client's responsibility to ensure door clearance comply with all applicable codes and standards.
3. Good gate car gate, 36" W x 84" H, 33" x 83 1/4" actual opening.

# Typical Hoistway Layout

## Inline Configuration | 36" x 60" Cabin Size



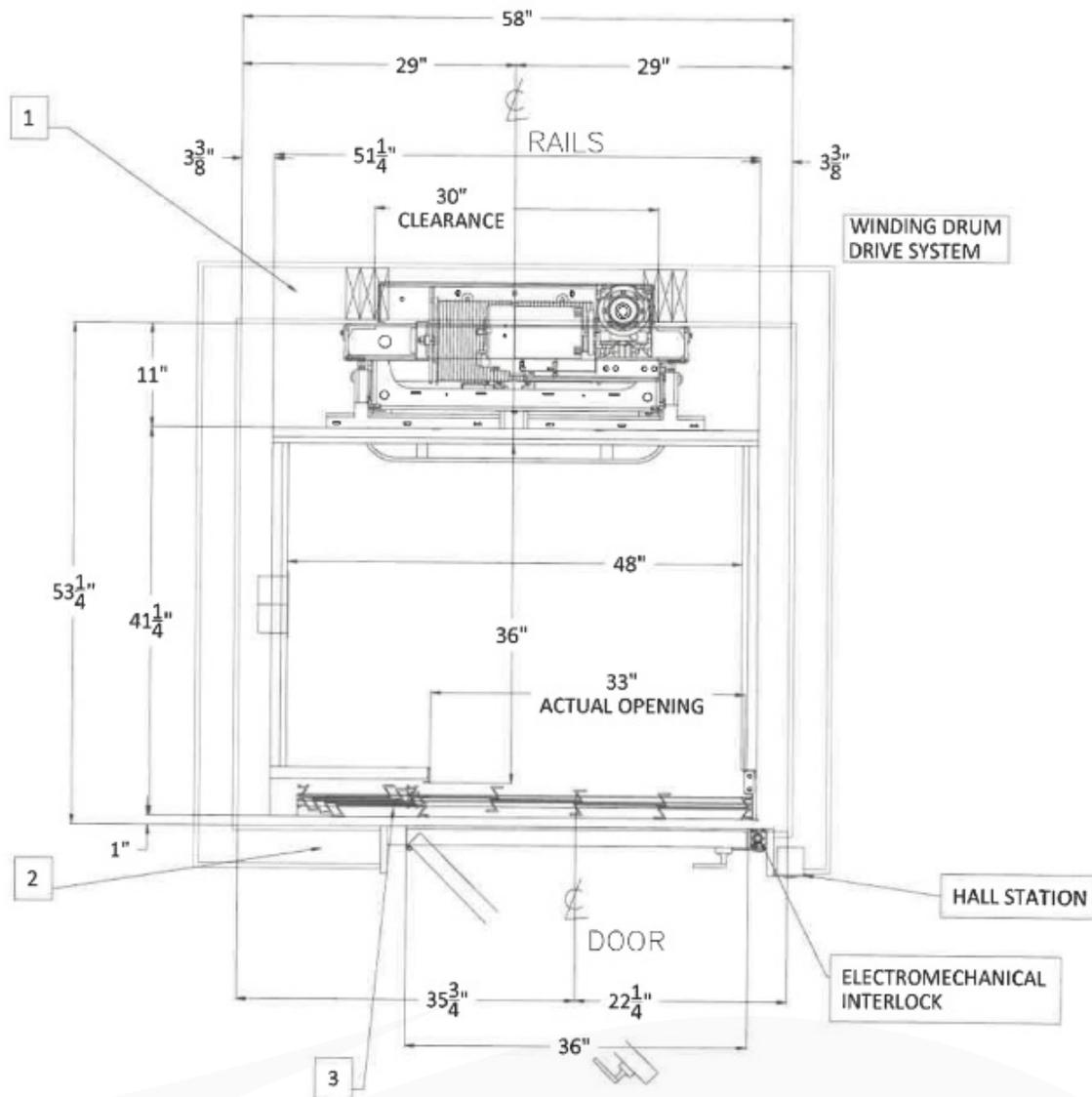
LEFT HAND WALL SHOWN, LAYOUT MAY BE MIRRORED FOR RIGHT HAND RAIL WALL. DOOR CENTERLINES FLIP ACCORDINGLY. DRAWING REFLECTS CLEAR FINISHED HOISTWAY DIMENSIONS.

ALL DIMENSIONS MUST BE SQUARE AND PLUMB WITHIN 1/4" [5 MM]

1. This wall must support all elevator loads. Customer's engineer / architect to verify wall design / construction.
2. 2 x 4 door wall construction recommended. It is client's responsibility to ensure door clearance comply with all applicable codes and standards.
3. Good gate car gate, 36" W x 84" H, 33" x 83 1/4" actual opening.

# Typical Hoistway Layout

## Rear Rails Configuration | 36" x 60" Cabin Size



RIGHT HAND WALL SHOWN, LAYOUT MAY BE MIRRORED FOR LEFT HAND RAIL WALL. DOOR CENTERLINES FLIP ACCORDINGLY. DRAWING REFLECTS CLEAR FINISHED HOISTWAY DIMENSIONS.

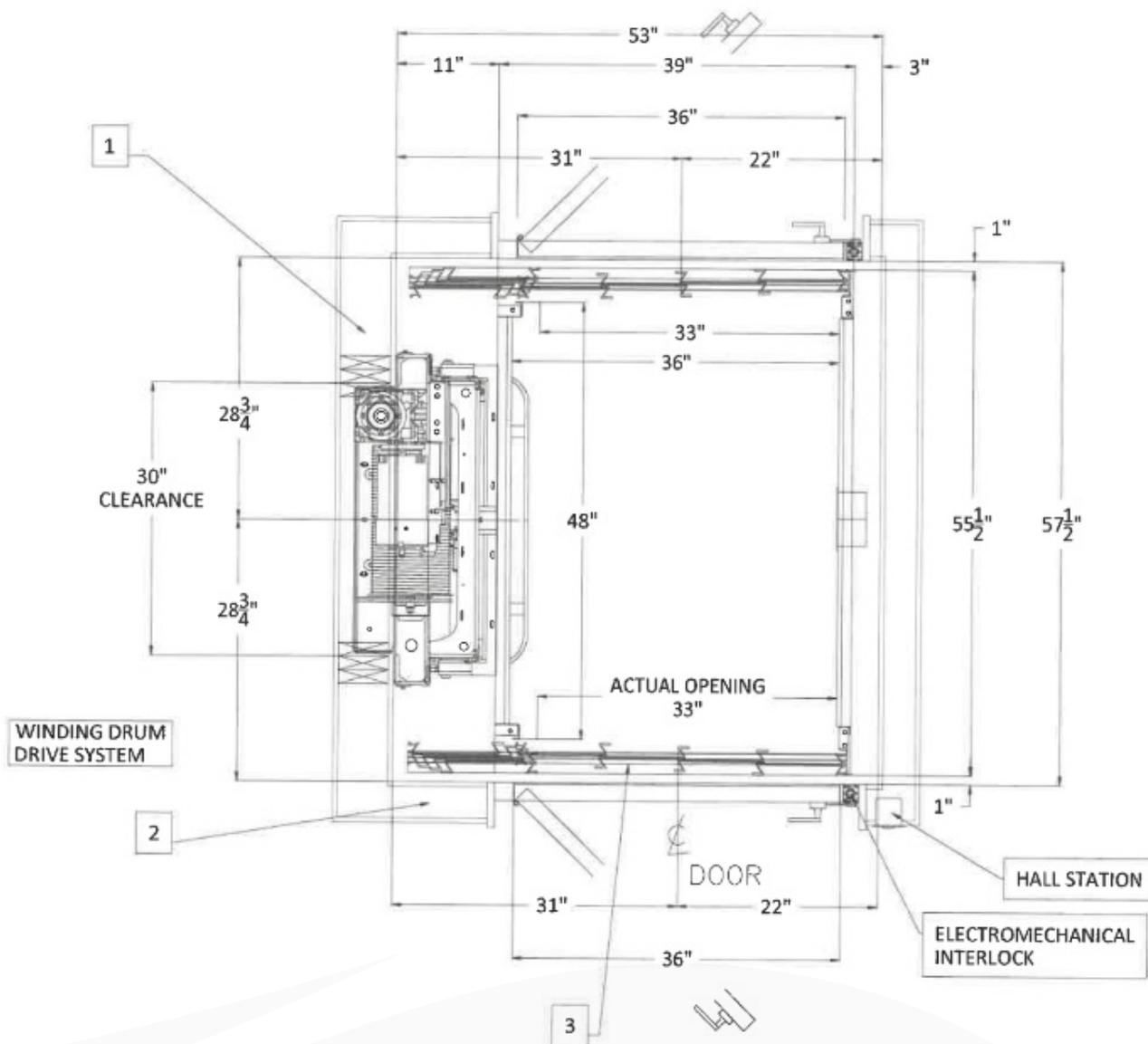
ALL DIMENSIONS MUST BE SQUARE AND PLUMB WITHIN 1/4" [5 MM]

1. This wall must support all elevator loads. Customer's engineer / architect to verify wall design / construction.
2. 2 x 4 door wall construction recommended. It is client's responsibility to ensure door clearance comply with all applicable codes and standards.
3. Good gate car gate, 36" W x 84" H, 33" x 83 1/4" actual opening.



# Typical Hoistway Layout

## Through Configuration | 36" x 48" Cabin Size



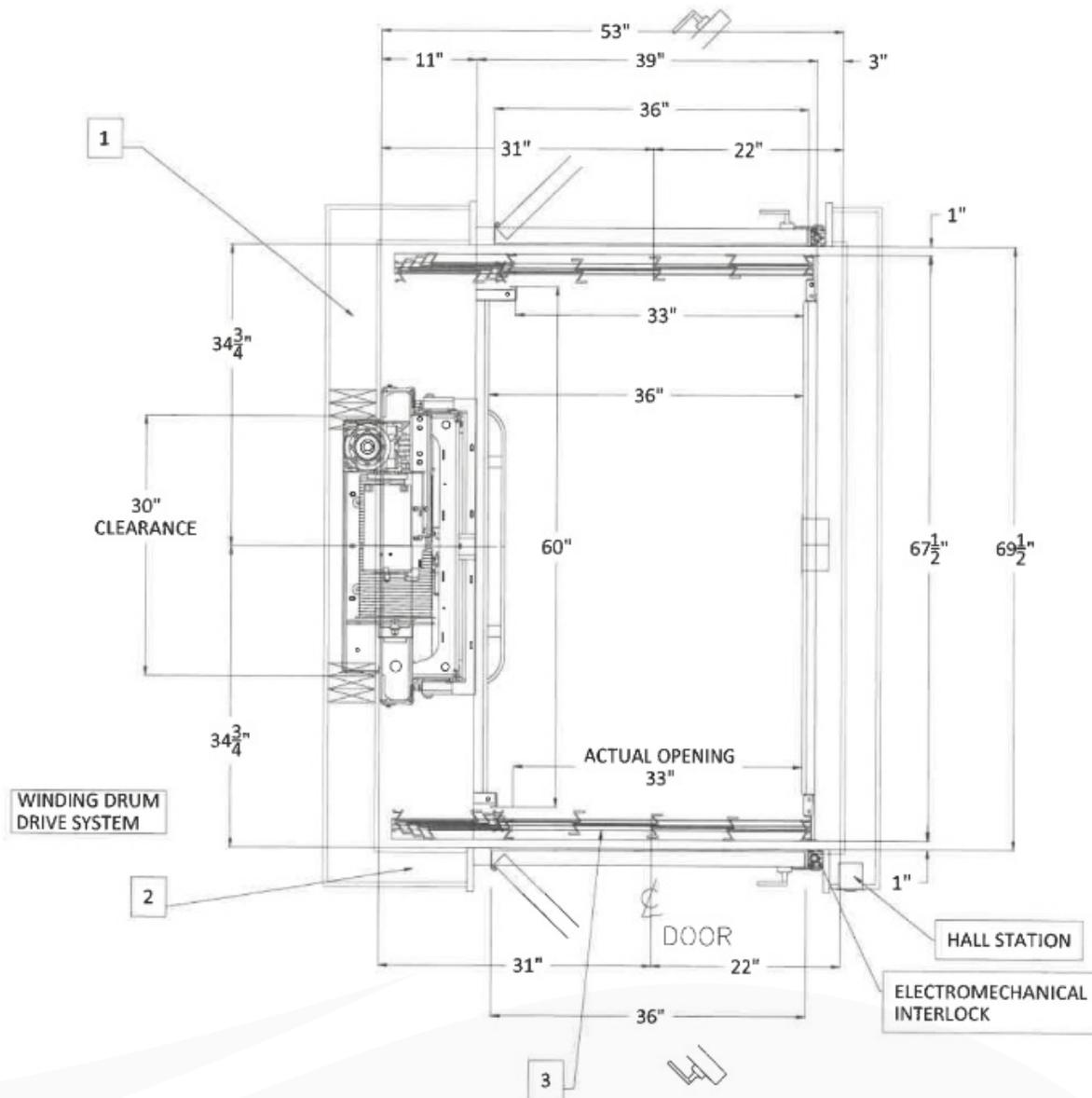
LEFT HAND WALL SHOWN, LAYOUT MAY BE MIRRORED FOR RIGHT HAND RAIL WALL. DOOR CENTERLINES FLIP ACCORDINGLY. DRAWING REFLECTS CLEAR FINISHED HOISTWAY DIMENSIONS.

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2. 2 x 4 door wall construction recommended. It is client's responsibility to ensure door clearance comply with all applicable codes and standards.
3. Good gate car gate, 36" W x 84" H, 33" x 83 1/4" actual opening.

# Typical Hoistway Layout

## Through Configuration | 36" x 60" Cabin Size



LEFT HAND WALL SHOWN, LAYOUT MAY BE MIRRORED FOR RIGHT HAND RAIL WALL. DOOR CENTERLINES FLIP ACCORDINGLY. DRAWING REFLECTS CLEAR FINISHED HOISTWAY DIMENSIONS.

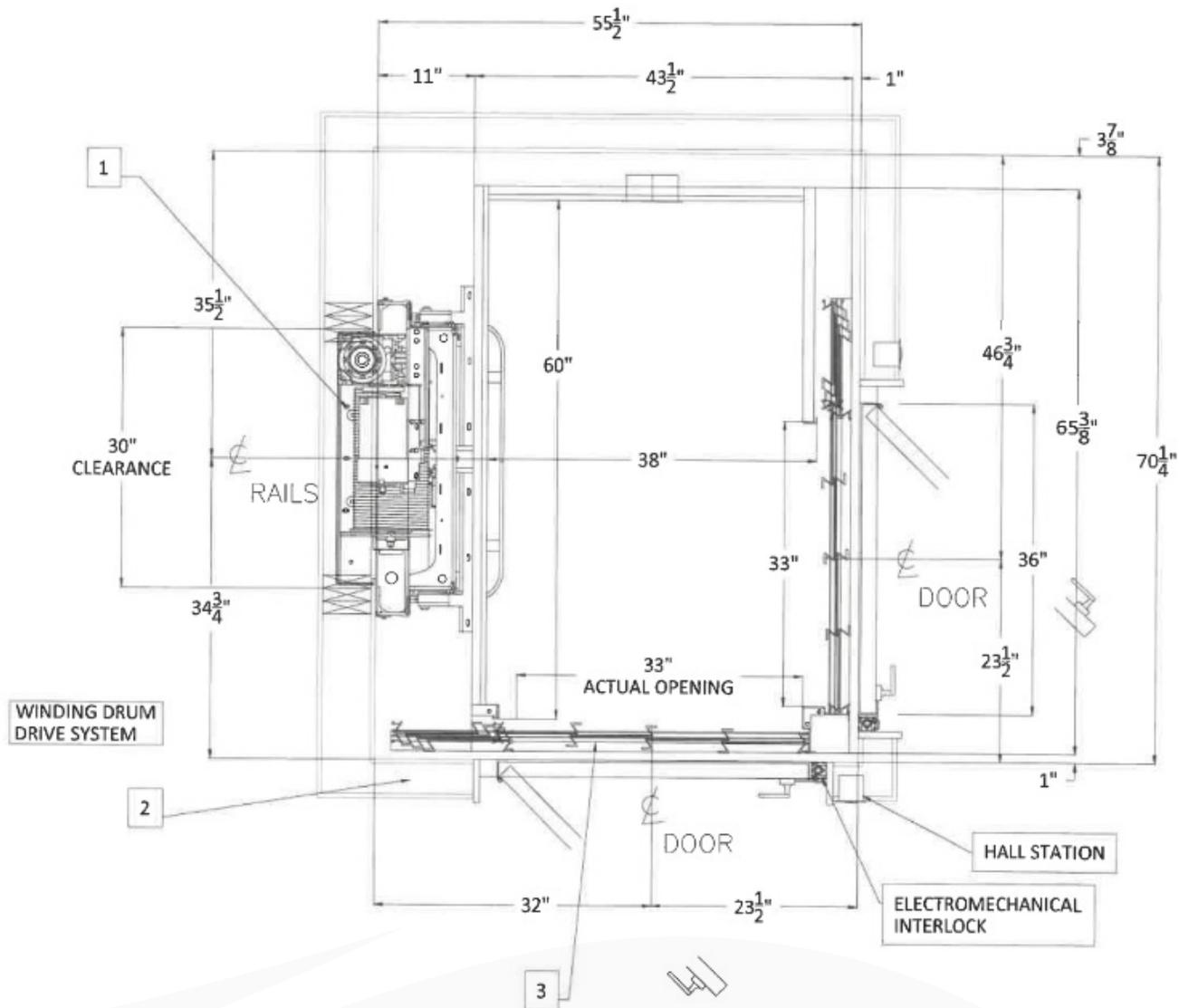
ALL DIMENSIONS MUST BE SQUARE AND PLUMB WITHIN 1/4" [5 MM]

1. This wall must support all elevator loads. Customer's engineer / architect to verify wall design / construction.
2. 2 x 4 door wall construction recommended. It is client's responsibility to ensure door clearance comply with all applicable codes and standards.
3. Good gate car gate, 36" W x 84" H, 33" x 83 1/4" actual opening.



# Typical Hoistway Layout

## 90° Configuration | 38" x 60" Cabin Size



LEFT HAND WALL SHOWN, LAYOUT MAY BE MIRRORED FOR RIGHT HAND RAIL WALL. DOOR CENTERLINES FLIP ACCORDINGLY. DRAWING REFLECTS CLEAR FINISHED HOISTWAY DIMENSIONS.

ALL DIMENSIONS MUST BE SQUARE AND PLUMB WITHIN 1/4" [5 MM]

1. This wall must support all elevator loads. Customer's engineer / architect to verify wall design / construction.
2. 2 x 4 door wall construction recommended. It is client's responsibility to ensure door clearance comply with all applicable codes and standards.
3. Good gate car gate, 36" W x 84" H, 33" x 83 1/4" actual opening.

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Elevate Your Space:

# Design Your Victorian Elevator

Design Guide

# Design Your Victorian

## Cabin Finishes

Wood veneer offers a sleek wood option or a base for a cabinet finisher to add moldings to match any home decor.

### Available Finishes:



Eclipse



Frisquet



Dorato Grey



Classic  
Chocolate



Otter Grey



Unfinished  
MDF



Shipsaw



Serenity



Etrusco



Charcoal



Sheer Linen



Acrylic



## Ceiling Finishes

**Note:** the ceiling finish will be the same as the cabin finish.

- Eclipse
- Frisquet
- Dorato Grey
- Classic Chocolate
- Otter Grey
- Shipsaw
- Serenity
- Etrusco
- Charcoal
- Sheer Linen
- Unfinished MDF
- Acrylic

## Ceiling Lighting



Two Recessed  
LED Lights  
(Standard)



Four Recessed  
LED Lights

# Design Your Victorian

## Fixtures and Call Station

There are several options for the Control Operating Panel (COP) to choose from.



Touch Screen COP  
(Standard)



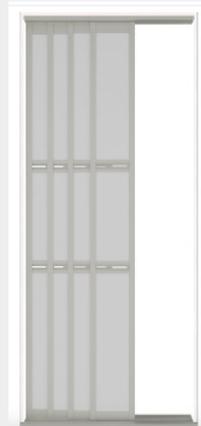
Call Station  
(Standard)



COP with Push Buttons  
(Optional)

## Good Gate Finishes

We offer a variety of gate styles.



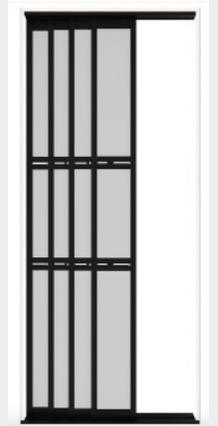
White with  
Silver Frame  
(Standard)



Clear Acrylic with  
Silver Frame  
(Standard)



Clear Acrylic with  
Black  
Frame  
(Custom)



White with  
Black Frame  
(Custom)

2-speed and 3-speed doors are available in both stainless and in glass.\*

*\*These doors are not available with the Victorian, only with the Elite Plus and LULA models.*



Stainless



Glass

