



# Vuelift Mini

RESIDENTIAL ELEVATOR

## **Planning Guide**

### **Applicable Codes:**

ASME A17.1/CSA-B44

Safety Code for Elevators and Escalators

Section 5.3 – Private Residential Elevators

**Part No. 001255**  
**21-m07-2020**

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## **IMPORTANT NOTICE**

This Planning Guide provides nominal dimensions and specifications useful for the initial planning of a project. Before beginning actual construction, make sure you have the installation (shop) drawings customized with specifications and dimensions for your specific project.

Lift configurations and dimensions are in accordance with our interpretation of the standards set forth by the codes listed on the next page. Please consult Savaria or the authorized Savaria dealer in your area for more specific information pertaining to your project, including any discrepancy between referenced standards and those of any local codes or laws.

The dimensions and specifications in this Planning Guide are subject to change (without notice) due to product enhancements and continually evolving codes and product applications.

Visit our website **[www.savaria.com](http://www.savaria.com)** for the most current drawings and dimensions.

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## Purpose of This Guide

This guide assists architects, contractors, and lift professionals to incorporate the Vuelift Mini Residential Elevator into a residential design. The design and manufacture of the Vuelift Mini Elevator meets the requirements of the following codes and standards:

- ASME A17.1/CSA B44 2000, Section 5.3
- ASME A17.1/CSA B44 2004, Section 5.3
- ASME A17.1 2004, Addendum 2005, Section 5.3
- ASME A17.1/CSA B44 2007, Section 5.3
- ASME A17.1/CSA B44, Addendum 2008, Section 5.3
- ASME A17.1/CSA B44 2010, Section 5.3
- ASME A17.1/CSA B44 2013, Section 5.3
- ASME A17.1/CSA B44 2016, Section 5.3
- ASME A17.1/CSA B44 2019, Section 5.3
- ASME A17.1 1996, Part 5

We recommend that you contact your local authority having jurisdiction to ensure that you adhere to all local rules and regulations pertaining to residential elevators.

**IMPORTANT:** This Planning Guide provides nominal dimensions and specifications useful for the initial planning of a vertical platform lift project. Dimensions and specifications are subject to change without notice due to continually evolving code and product applications.

Before beginning actual construction, please consult Savaria or the authorized Savaria dealer in your area to ensure you receive your site-specific installation drawings with the dimensions and specifications for your project.

Visit our website for the most recent drawings and dimensions.

## How to Use This Guide

- 1 Determine your client's intended use of the lift.
- 2 Determine the local code requirements.
- 3 Determine the site installation parameters.
- 4 Determine the cab type and hoistway size requirements.
- 5 Plan for electrical requirements.

## Revision History of This Guide

May 22, 2020 - Initial release

June 9, 2020 - Added new drawing for corner installation view on page 36

June 17, 2020 - Added 2019 code to list above

July 21, 2020 - Revisions to specs table on page 5; Revised drawings throughout

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# Table of Contents

Specifications .....	5
Safety First .....	7
3/4 & 4 Rule (Code 2016 and After) .....	7
Electrical Requirements .....	8
Provisions By Others .....	9
General .....	9
Dimensions .....	9
Structural .....	9
Electrical .....	9
Entrances .....	9
Site Preparation .....	10
Finished Floors .....	10
230V Power (with Switched Disconnect) .....	10
110V Power (with Switched Disconnect) - 2 are required .....	10
Telephone Works .....	10
Floor Built for Load .....	10
Floor and Pit Cutouts Complete .....	10
Check Floor to Floor Maximum and Minimum Distances .....	10
Drywall and Painting .....	10
Load Calculations .....	11
Drawings .....	12

## Specifications

Specification	Specification Data
Load capacity	500 lb (227 kg)
Maximum travel	55 ft (16.76 m)
Travel speed	30 ft/min (0.15 m/s)
Daily cycle	Normal: 40 Heavy: 80 Excessive: 150 Maximum starts in 1 hour on standard installation: 20 <b>NOTE:</b> Please consult your Sales Representative if there's a chance you may exceed these amounts.
Maximum levels serviced	6
Minimum overhead	96 in (2.44 m)
Cab	Cab walls: Full clear acrylic or silica glass Cab interior height: 77.75 in (1.97 m) Cab weight (acrylic models): 550 lb (250 kg) Cab weight (glass models): 1000 lb (455 kg) Cab floor area: 8.25 sq ft (0.76 sq m)
Floor by others (in cab)	1/2" (12.7 mm) maximum
Footprint	49.75 in (1.26 m) diameter
Acrylic and glass diameter	42.8 in (1.08 m)
Hoistway ring diameter	43.75 in (1.11 m)
Power supply	30A, 230V, single-phase, 50/60 Hz
Cab lighting	15A, 115V, single-phase, 50/60 Hz
Suspension	Type: Galvanized aircraft cable (2 x 1/4" diameter) Construction: IWRC 7 x 19 RHRL Nominal strength: 7000 lb (3175 kg) Weight of ropes: 0.243 lb/ft (3.616 g/cm) Travel cable weight: 0.228 lb/ft (3.393 g/cm)
Drive train	Type: Winding drum Motor: 1.77 HP (1.32 kW)@ 60 Hz with integrated brake Motor control: Preprogrammed variable frequency drive
Pit/floor load	Refer to the section "Load Calculations"
Distance between 2 landings	93" (2362 mm) minimum
Pit depth	Minimum: 3" (76 mm); 4" (102 mm) with buffer springs (required if habitable space below) Maximum: 12" (305 mm)
Temperature operating range (environment)	- 10°C to + 40°C / 14°F to 104°F <b>NOTE:</b> For optimal running conditions, each landing of the unit should be in a climate-controlled environment.

Specification	Specification Data
Safety features	Pit run/stop switch and car top run/stop switch Emergency stop switch Safety brakes Overspeed Manual lowering Emergency battery back-up for cab lighting and lowering
Options	Optional configurations: Type 2 cab Optional colors: <ul style="list-style-type: none"> <li>• White (Texture White PX521W859)</li> <li>• Silver (Texture Silver PX521S343)</li> <li>• Custom powder-coat frame</li> </ul> Note that Black is the standard color (Texture Black PX622N365) Savaria Link remote monitoring Pitless option with ramp Sabbath service Flood switch Buffer springs for habitable space below Buck boost transformer Up to 6 stops; balcony attachment or thru-floor configuration Cab shipped disassembled Landing door handle painted to match unit Top header ring in sheet metal painted to match unit

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## Safety First

### 3/4 & 4 Rule (Code 2016 and After)

The ASME A17.1-2016/CSA B44-16 Safety Code for Elevators and Escalators **(2016 AND AFTER)** mandates the following maximum hoistway door clearances.

- Clearance between the hoistway door and the hoistway edge of the landing sill shall not exceed 0.75" (19 mm).
- Distance between the hoistway face of the landing door and the car door shall not exceed 4" (102 mm).
- Vuelift Mini Residential Elevator design is with a maximum 1.25" (32 mm) running clearance.

## Electrical Requirements

Your electrician and phone installer must supply the following connections:

- Main Disconnect - One 230V single-phase, 30 Amp fused disconnect box with 20 Amp fuse/breaker. If voltage is not 230V minimum, a buck-boost transformer is required.
- Lighting Disconnect - One 120V, 15 Amp fused disconnect or circuit breaker for cab lighting.
- Telephone Line - One telephone line jack in close proximity to the controller.
- Electrical Outlet - One 15A GFCI outlet shall be installed near the pit or base ring.

**NOTE:** Savaria does not provide power cable to main disconnect.



# Provisions By Others

## General

### Construction Site

The owner/agent is required to provide all masonry, carpentry, and drywall work as required. Floors shall be in a finished state prior to installation of the unit. Refer to the section, Site Preparation on the next page.

### Dimensions

The contractor/customer must verify all clearance dimensions prior to delivery of the unit.

### Structural Floor Loads

A structural engineer is required to ensure that the building will safely support all loads imposed by the lift equipment. Refer to the tables on the installation drawings (shop drawings) for pit/floor loads imposed by the equipment. Refer to the section, Load Calculations.

### Electrical Power Supply

See the following table. Lockable fused disconnects must be installed in compliance with electrical code and are to be provided prior to installation of the unit. Roughed in power to the lift must be provided to the head assembly location prior to installation of the unit.

Power Supply Specifications	Disconnect Size	Time Delay Fuse Size	Volts	Phase
Motor and equipment	30 Amps	20 Amps	230 Volts	Single
Cab lights	15 Amps	15 Amps	115 Volts	Single
Pit light (if required)	15 Amps	15 Amps	115 Volts	Single

### Telephone

If a telephone circuit is required, the jack is to be provided and installed by others. This circuit shall be brought to a location next to the controller and be available to connect and test upon elevator installation.

### Electrical Outlet

One 15-Amp GFCI outlet shall be installed near the pit or base ring (if required).

### Permanent Power

Before installation can begin, permanent power must be supplied.

### Entrances Handrails

All balcony levels require handrails to be installed per local codes after installation is completed. The handrail and installation is to be provided by the contractor/customer. Savaria Concord Lifts Inc. and/or local installer are not responsible for handrail installation or materials.

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## Site Preparation

The following items **MUST** be completed prior to installation of the elevator.

### Finished Floors

- Finished floors be installed at all landing levels.

### 230V Power (with Switched Disconnect)

- Permanent 230V, single-phase, 30-Ampere dedicated power to a lockable fused (cartridge type) disconnect switch.
- Disconnect switch must be mounted in a location within line of sight of the elevator or controller.
- 230V source must be run from the disconnect switch to a junction box in a discrete location at the top of the elevator hoistway location.
- Disconnect must be installed according to all applicable local codes.

### 110V Power (with Switched Disconnect) - 2 are required

- Permanent 110V, single-phase, 15-Ampere dedicated power to a lockable, fused (cartridge type) disconnect switch.
- Disconnect switch must be mounted near the 230V disconnect switch.

### Telephone Works

- Telephone jack must be provided next to the electrical disconnects. This can be the common house line in most jurisdictions. Please check with your local installer or building contractor for code requirements.

### Electrical Outlet

- One 15-Amp GFCI outlet shall be installed near the pit or base ring.

### Floor Built for Load

- Smooth level surface for installing the elevator, with floor load bearing capacity for the elevator plus rated load. An exact specification can be provided by contacting Savaria.

### Floor and Pit Cutouts Complete

- If a pit is to be used, a smooth, level surface of at least 3" must be provided (4" if buffer springs are used). For pit depths greater than 12", contact Savaria to ensure proper equipment will be provided.
- It is recommended that any pit floor and walls be finished prior to installation. Pit floor and walls are visible after elevator installation is completed.
- Hole in floor, or modified balcony rail as directed by drawings.

### Check Floor to Floor Maximum and Minimum Distances

- 96" (2438 mm) minimum overhead distance from upper floor level to the underside of the finished ceiling for standard cab configuration.

### Drywall and Painting

- All drywall and painting must be complete.

## Load Calculations

- Primary loads are carried by the four support columns that run from top to bottom on the elevator.
- The load (represented below as Lower Floor Total Load) is supported on 4"x4" plates at the bottom of each of the four columns.
- Vuelift Mini elevators are designed such that the dead load and impact load are transferred to the lowest level through the rail base plates and rings when installed properly in a building with structural integrity including consistent floor to floor heights.
  - NOTE:** Vuelift Mini elevators are designed for applications in buildings that maintain consistent floor to floor height as the building ages.
  - If floor to floor height changes after installation, the elevator **MUST** be taken out of service pending inspection and correction by a trained installation technician.
- All mid floors including the bottom floor may be subjected to a maximum lateral load of 200 lb.
- Walls of bricks, terra-cotta, hollow blocks, and similar materials shall not be used for attachment of column (guide rail) brackets unless adequately reinforced.
- Where necessary, the building construction shall be reinforced to provide adequate support for the columns (guide rails).
- Shipping weight is estimated actual including crating materials, etc.
- Floor load figures include elevator structure weight when loaded with full test capacity.
- Floor load figures shown here are actual loads; your building engineer must add a proper factor of safety to the floor design.
- Many jurisdictions require floor designs to include at least a safety factor of 4, doubling the loads shown here.
- **To reiterate, these figures DO NOT include your factor of safety for floor loads.** Engineer your floor to include (add) an appropriate safety factor and comply with local building codes.

Pit Floor to Support Load of:

**GLASS:**

$$\text{Lbs} = (\text{Ft of HW} * 76.5) + (\# \text{ of landing} * 120) + 1795$$

$$\text{Kg} = (\text{M of HW} * 34.8) + (\# \text{ of landing} * 54.5) + 816$$

**ACRYLIC:**

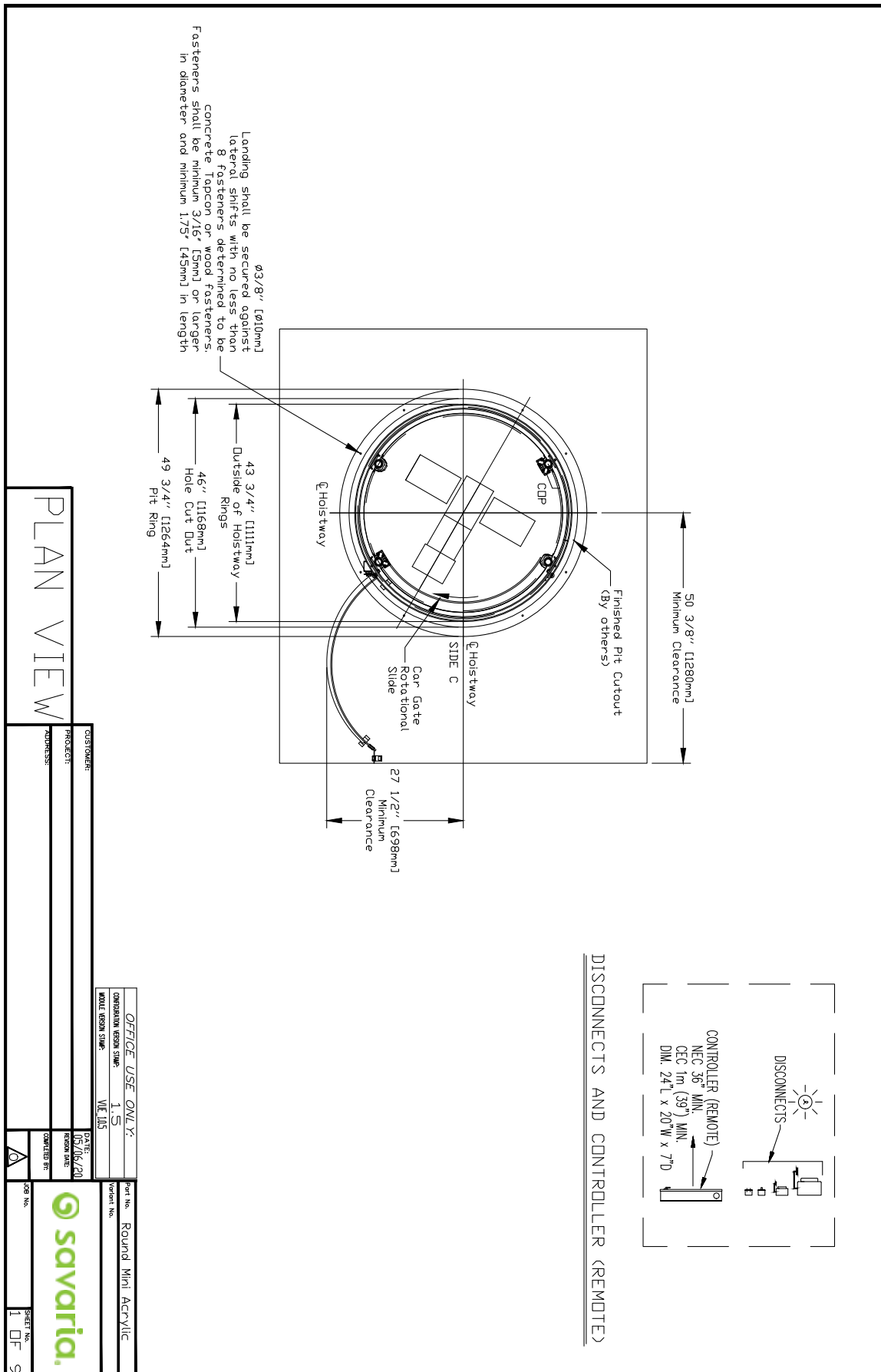
$$\text{Lbs} = (\text{Ft of HW} * 35) + (\# \text{ of landing} * 120) + 1480$$

$$\text{Kg} = (\text{M of HW} * 15.9) + (\# \text{ of landing} * 54.5) + 673$$

## Drawings

- Plan view (acrylic/glass), type 1
- Plan view (acrylic/glass), type 2
- Pit view (acrylic/glass), type 1 or 2
- Base ring details (acrylic/glass), type 1 or 2
- Thru floor view (acrylic/glass), type 1 or 2
- Balcony view (acrylic/glass), type 1 or 2
- Thru floor details (acrylic/glass), type 1 or 2
- Balcony details (acrylic/glass), type 1 or 2
- Pit cutout details (acrylic/glass), type 1 or 2
- Elevation view (acrylic/glass), type 1 or 2
- Machine room layout and wire routing (acrylic/glass), type 1 or 2
- Corner installation view (acrylic/glass), type
- Datasheet (acrylic), type 1 or 2
- Datasheet (glass), type 1 or 2
- Controller box dimensions (acrylic/glass)

Figure 1: Plan view (acrylic/glass) - type 1



PLAN VIEW

OFFICE USE ONLY:		Part No.	Round Mini Acrylic
CONSTRUCTION REV. SHEET:	1-5	Variant No.	
MODEL VERSION SHEET:	VER. 1.03		
PROJECT:	DATE:	COMPLET. BY:	
CUSTOMER:	10/16/20		
ADDRESS:			
		JOB No.	
		SHEET No.	1 OF 9

Figure 2: Plan view (acrylic/glass) - type 2

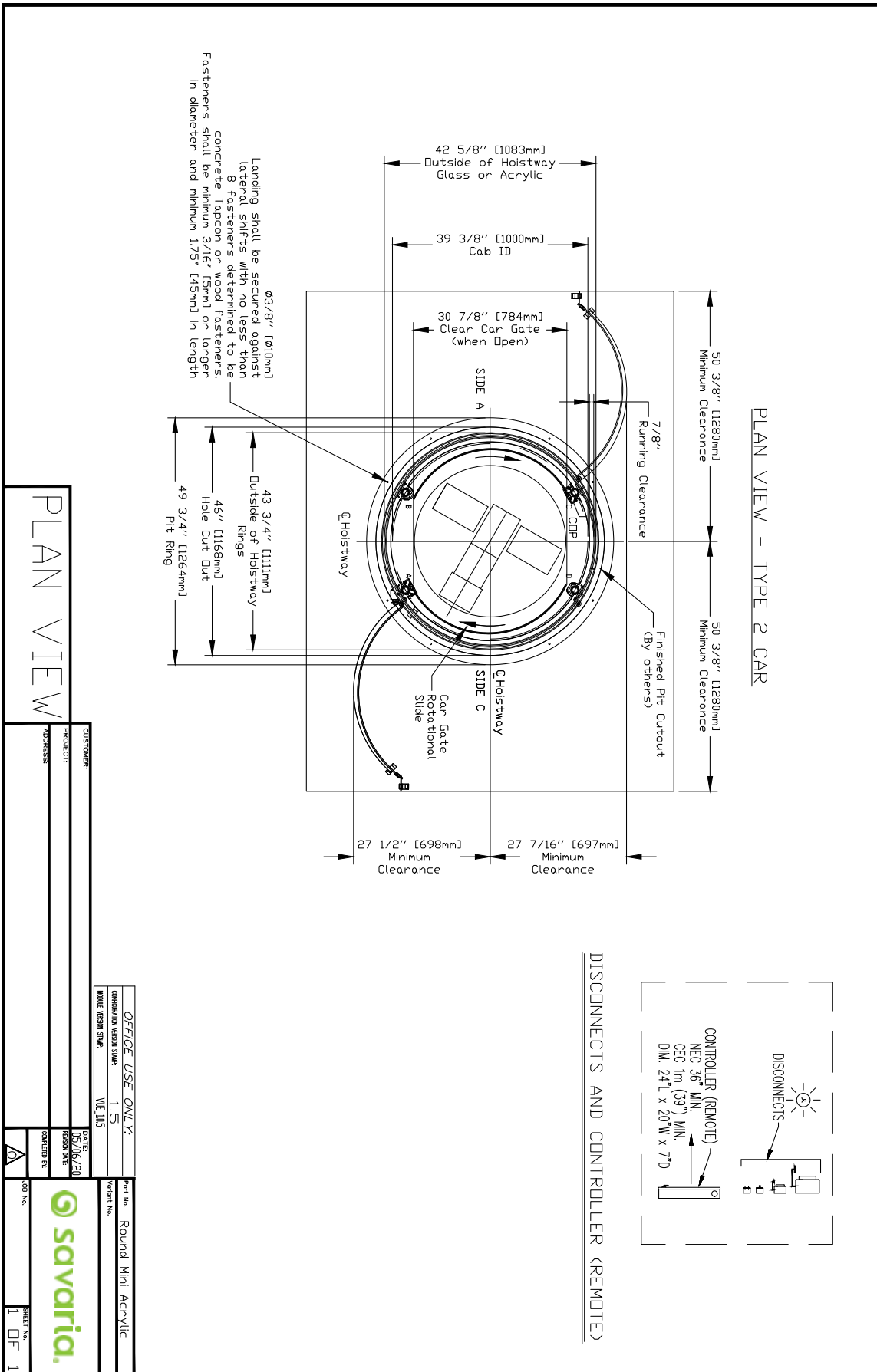


Figure 3: Pit view (acrylic/glass) - type 1 or 2

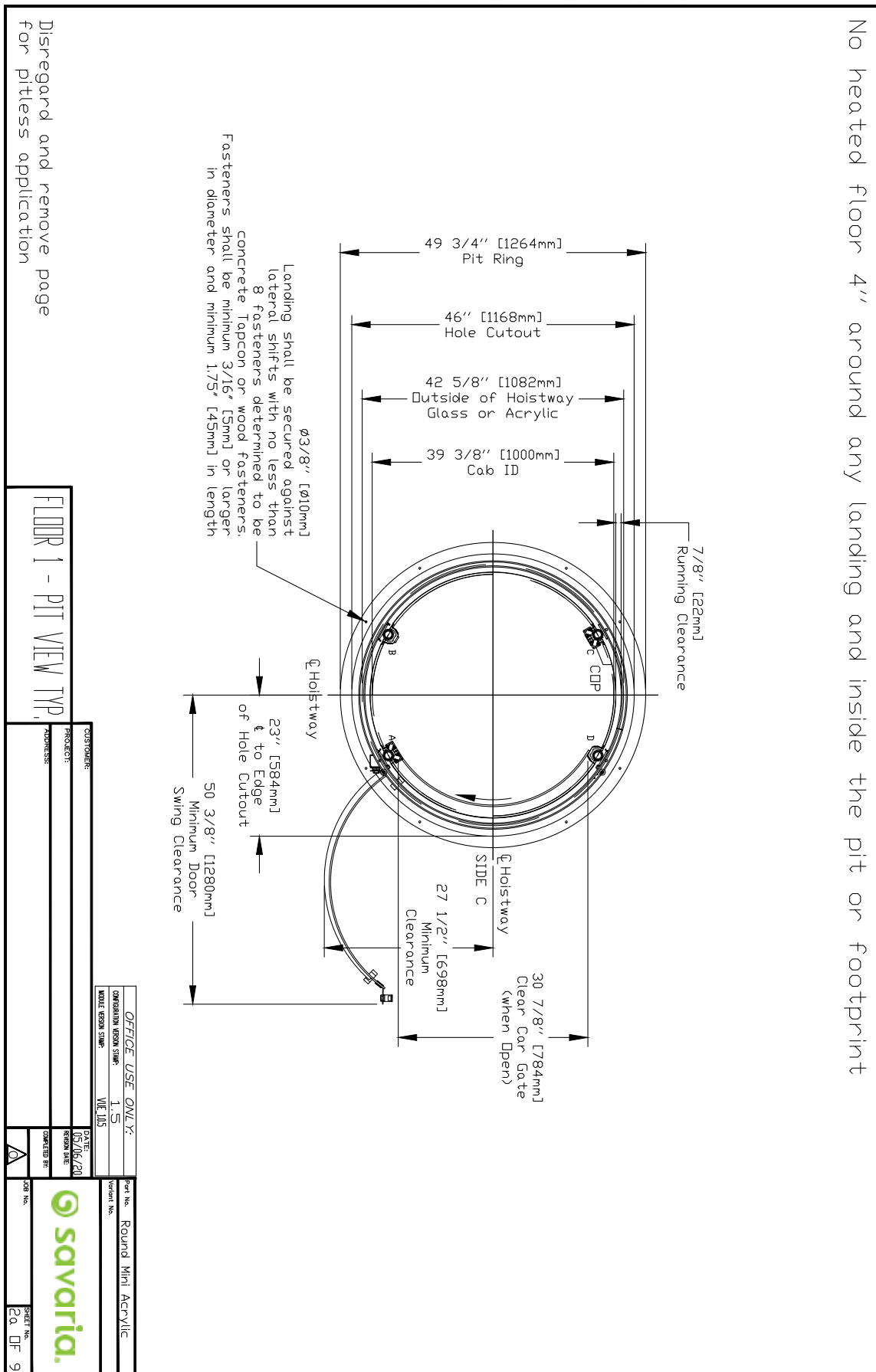
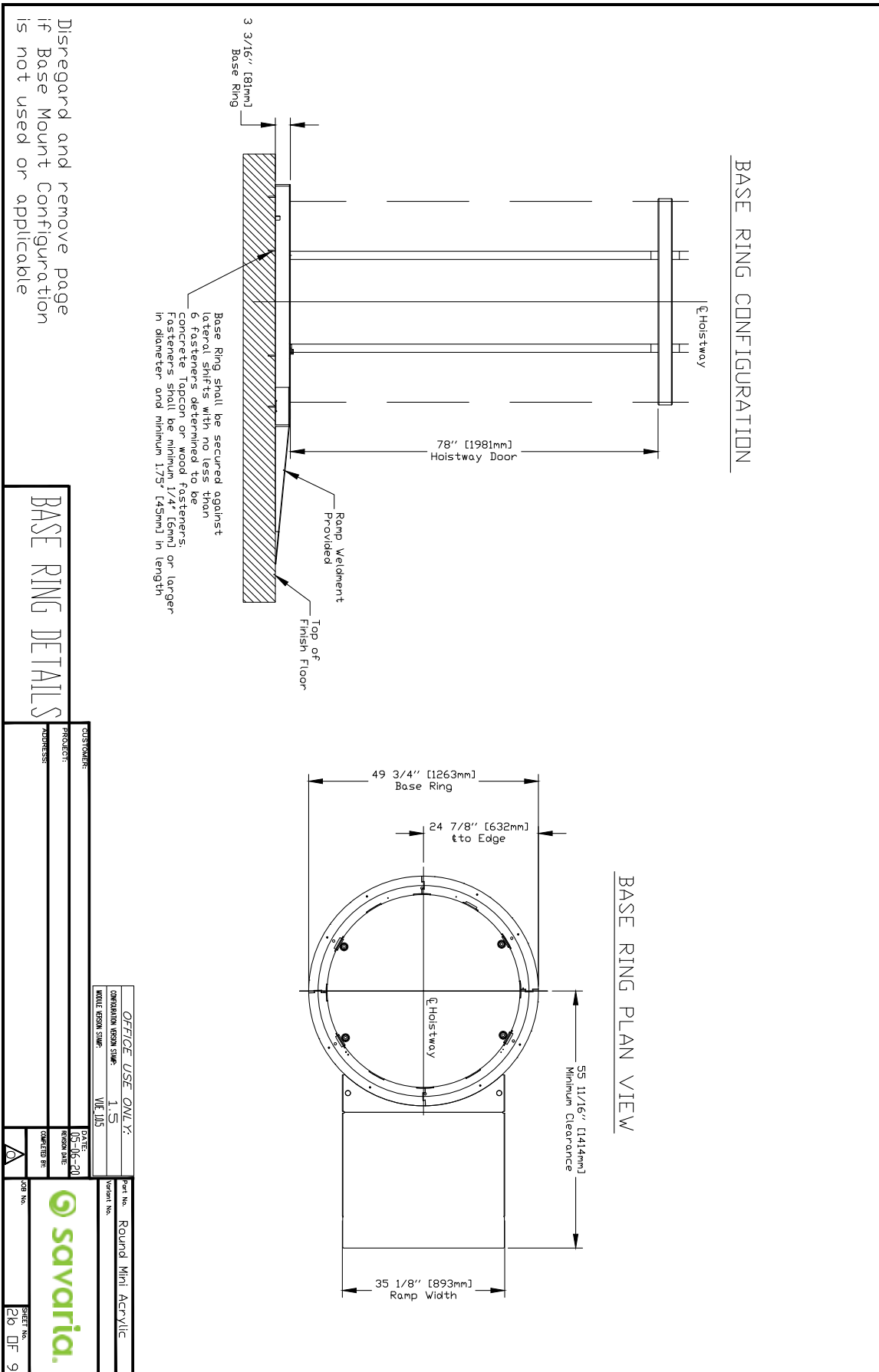


Figure 4: Base ring details (acrylic/glass) - type 1 or 2



**BASE RING DETAILS**

PROJECT ADDRESS	CLIENT	OFFICE USE ONLY: OPERATION VERSION: 1.5 DATE: 11/15/20	PROJECT NO.: Round Mini Acrylic
		SCALE: 1/8" = 1'-0"	
		DATE: 11/15/20	
		COMPLETED BY:	
		DATE:	
		SCALE:	
		DATE:	
		COMPLETED BY:	
		DATE:	
		SCALE:	
		DATE:	

**savaria.**

SHEET NO. 20 OF 9



Figure 5: Thru floor view (acrylic/glass) - type 1 or 2

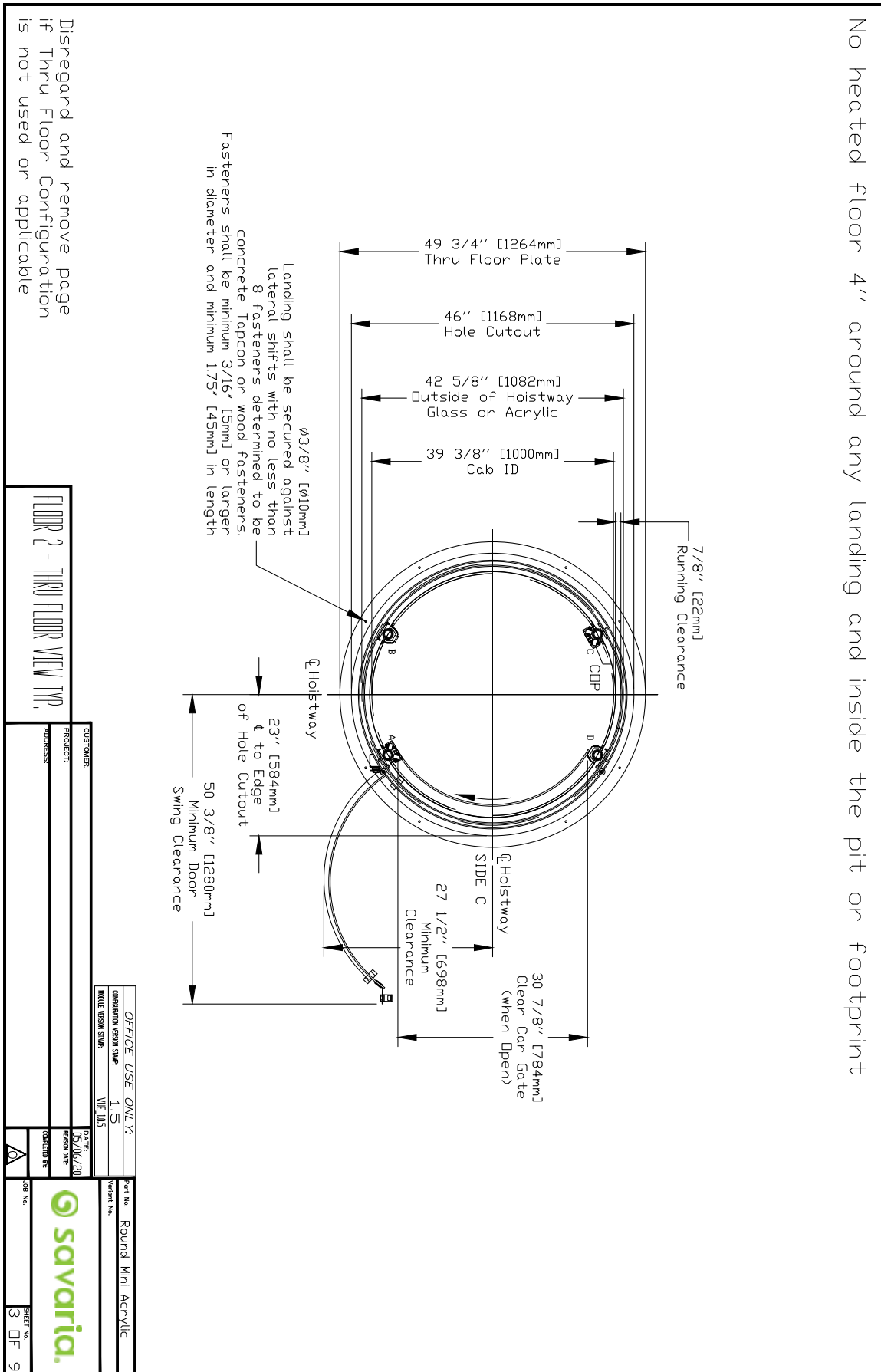


Figure 6: Balcony view (acrylic/glass) - type 1 or 2

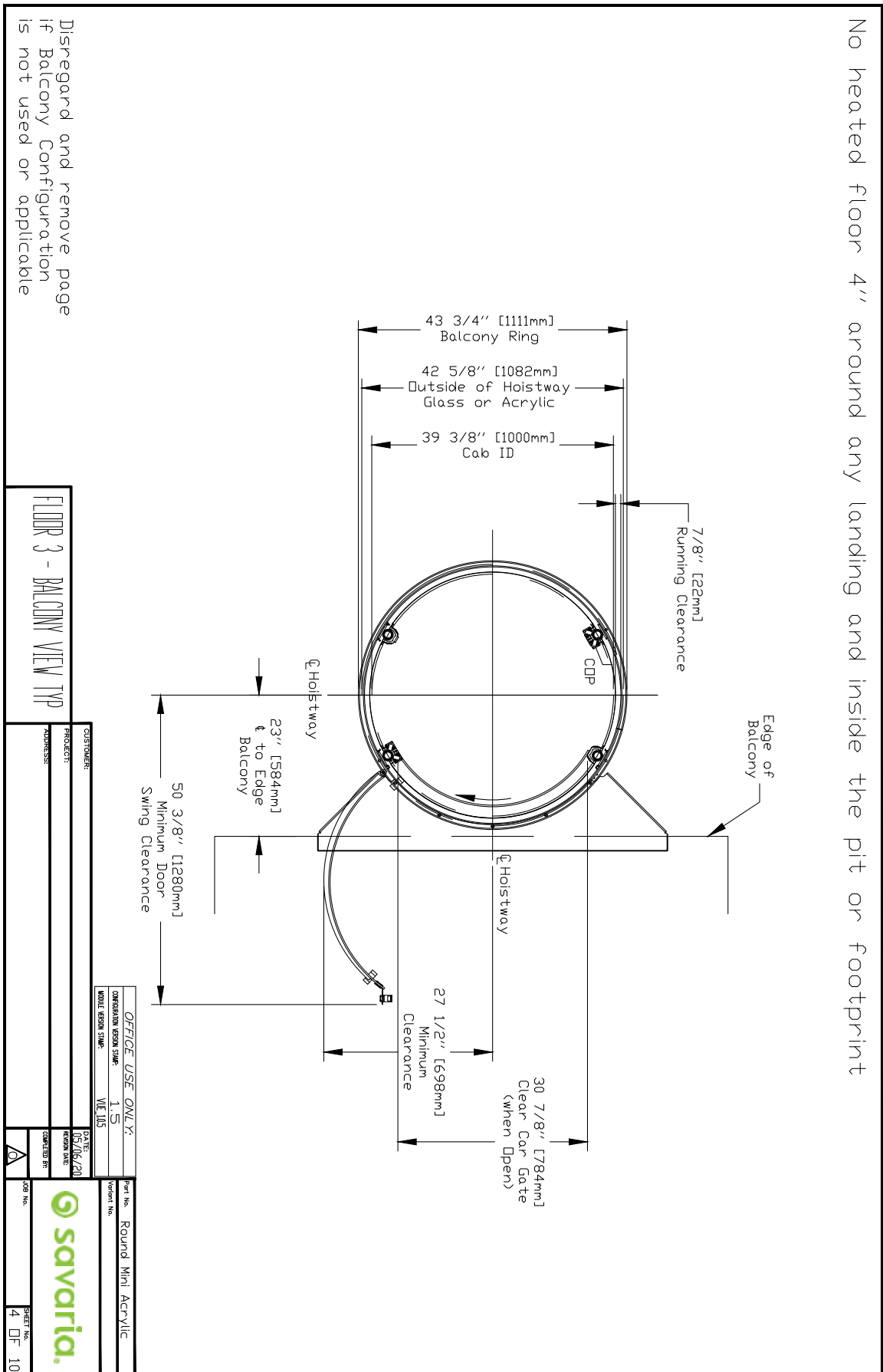


Figure 7: Thru floor details (acrylic/glass) - type 1 or 2

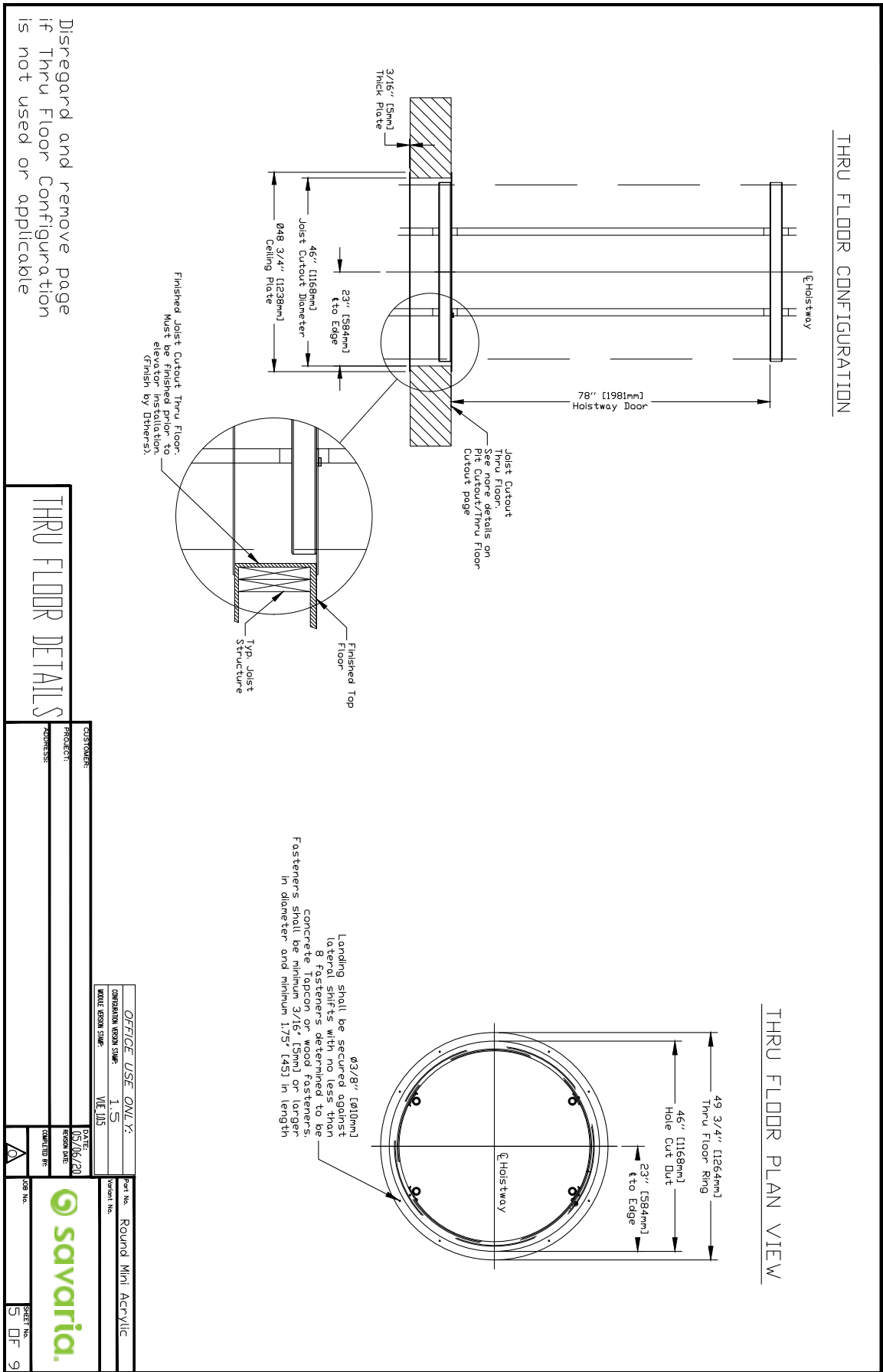


Figure 8: Balcony details (acrylic/glass) - type 1 or 2

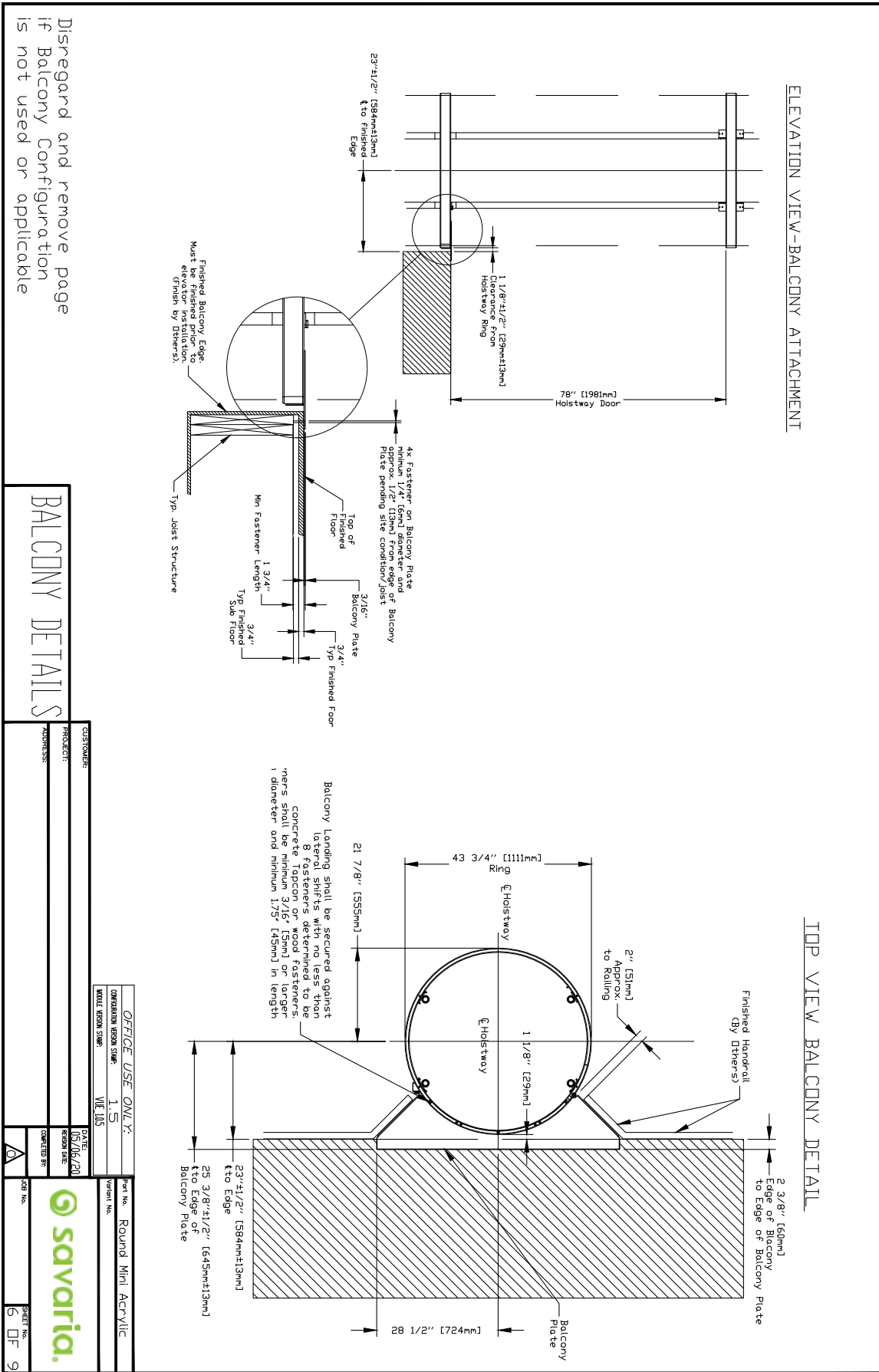


Figure 9: Pit cutout details (acrylic/glass) - type 1 or 2

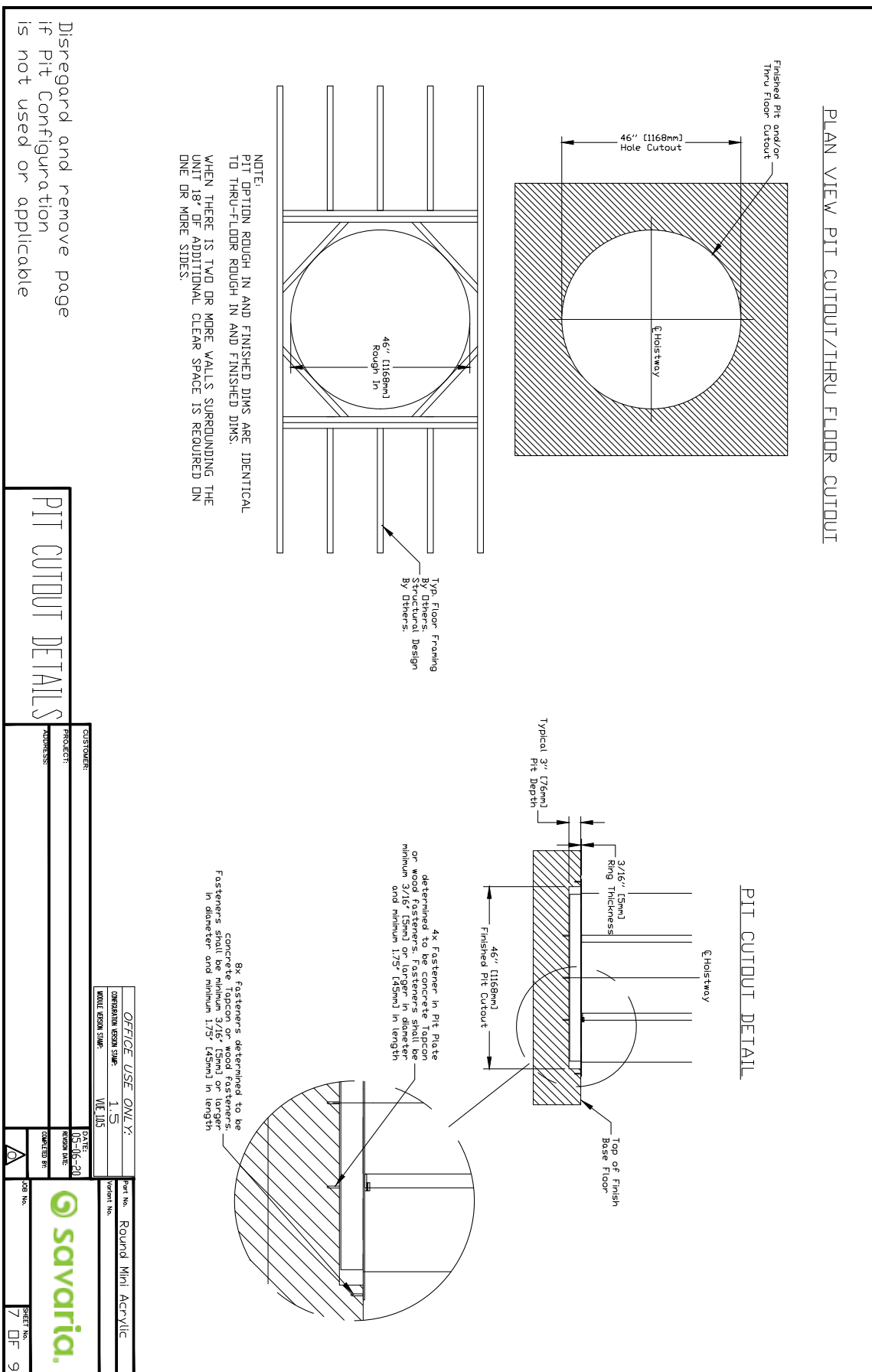


Figure 10: Elevation view (acrylic/glass) - type 1 or 2

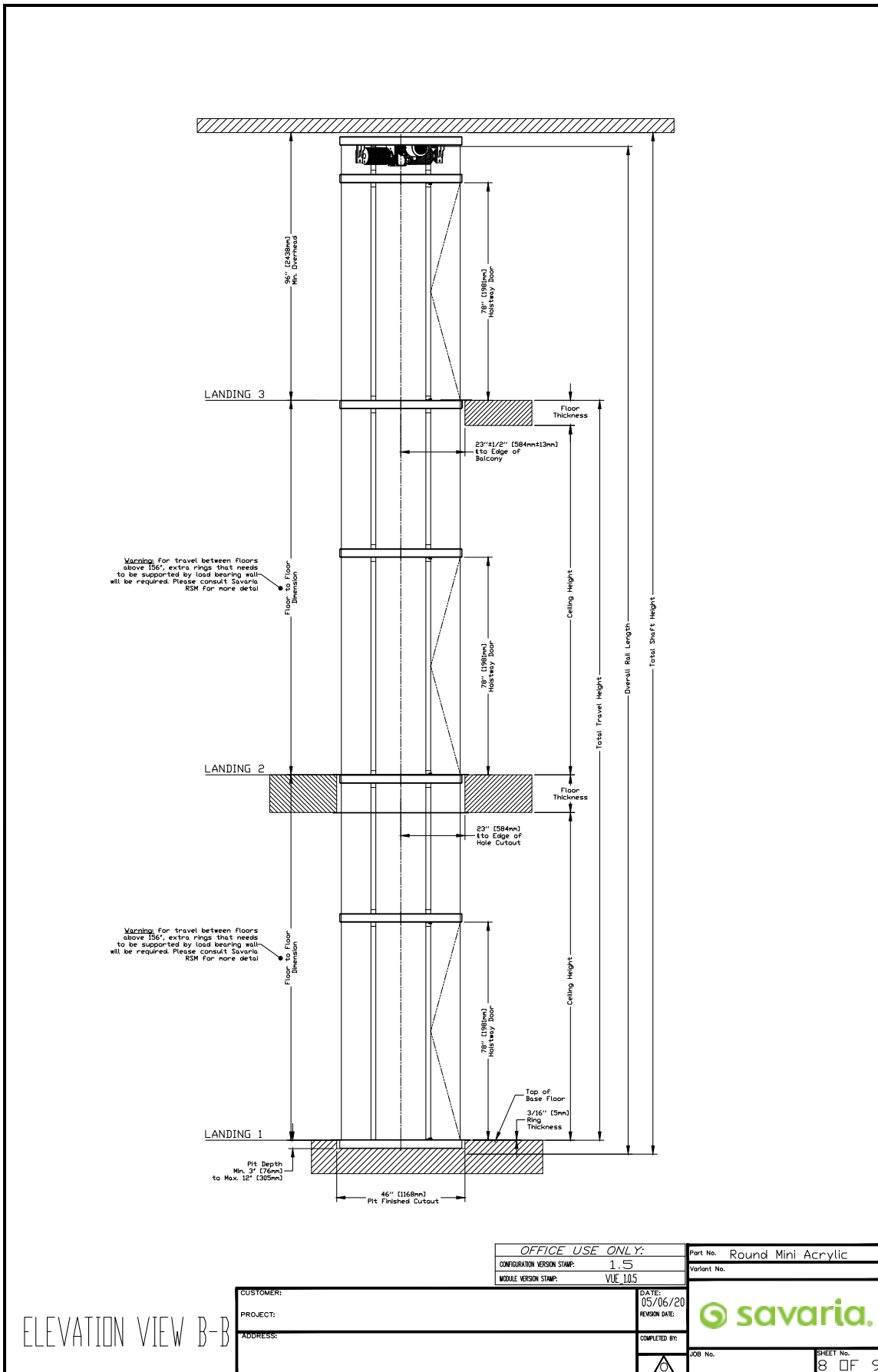


Figure 11: Corner installation view (acrylic/glass) - type 1

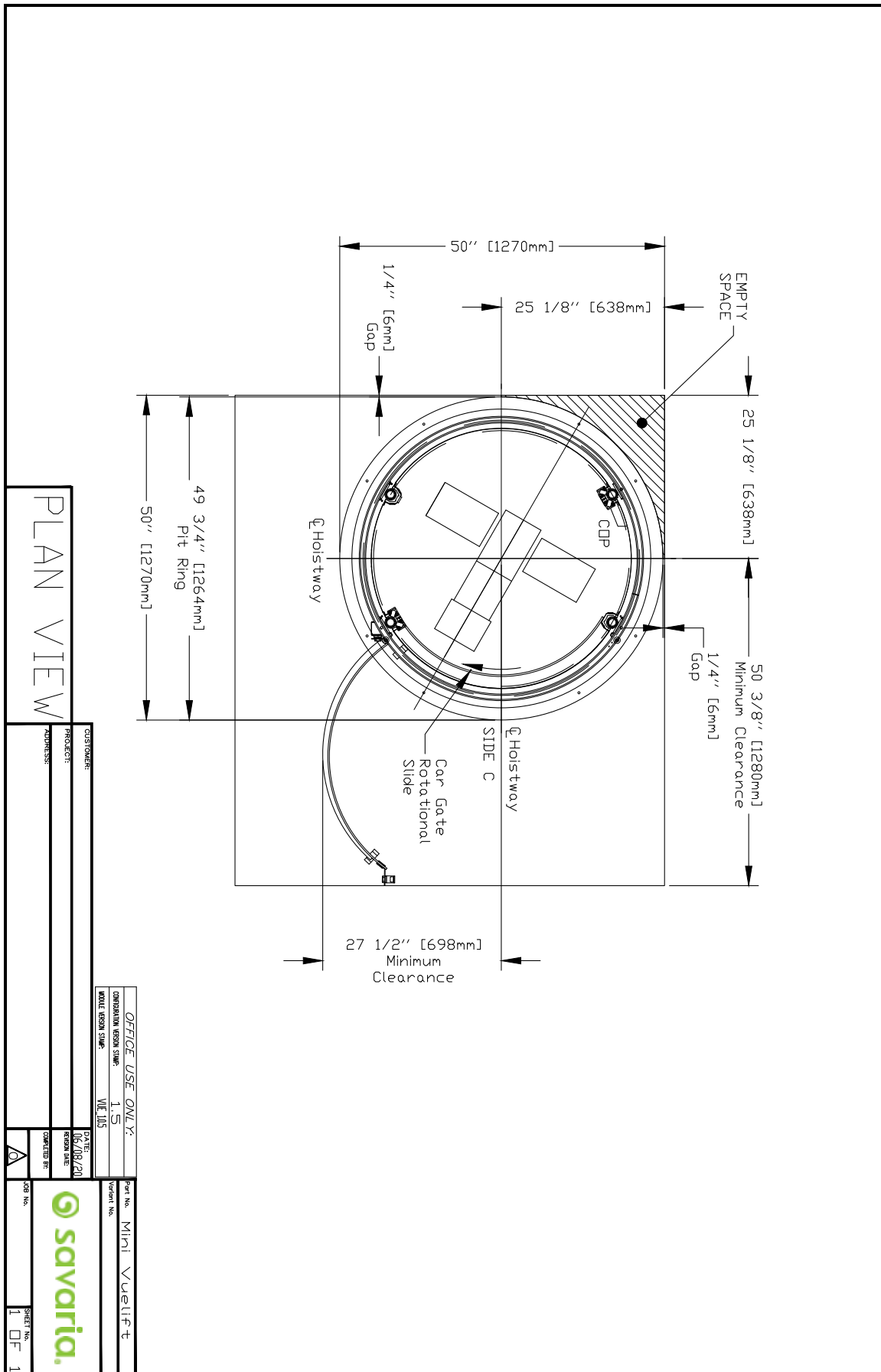
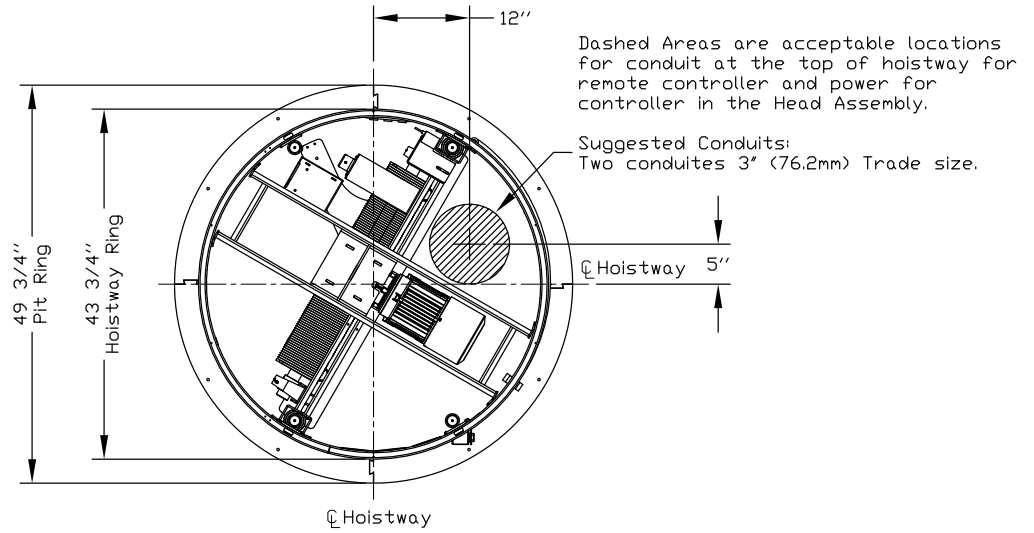
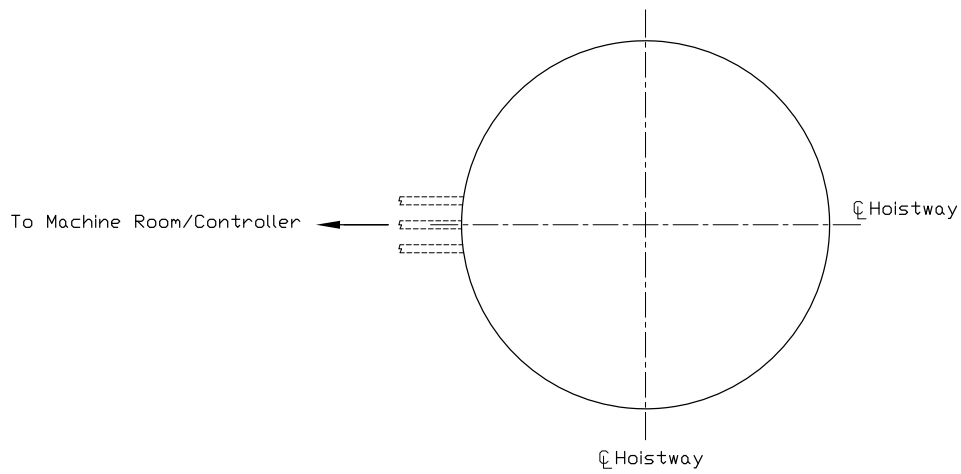


Figure 12: Machine room layout and wire routing (acrylic/glass) - type 1 or 2

MACHINE ROOM LAYOUT & WIRE ROUTING



MACHINE ROOM LAYOUT & WIRE ROUTING



Suggested Conduits:  
Three conduits 1" (25.4mm) minimum Trade size.

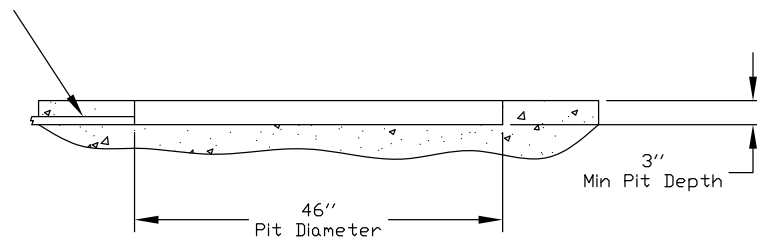




Figure 13: Datasheet (acrylic) - type 1 or 2

## PROVISIONS BY OTHERS

**GENERAL**  
 CONSTRUCTION SITE GOVERNMENT TO PROVIDE ALL MASONRY, CARPENTRY AND BRICKLAYER WORK AS REQUIRED. FLOORS SHALL BE IN FINISHED STATE PRIOR TO INSTALLATION OF UNIT.  
 DIMENSIONS, CONTRACTOR/CUSTOMER TO VERIFY. ALL DIMENSIONS DIMENSIONS PRIOR TO UNIT DELIVERY.  
**STRUCTURAL**  
 FLOOR LOADS STRUCTURAL ENGINEER TO ASSURE THAT BUILDING WILL SAFELY SUPPORT THE WEIGHT OF THE EQUIPMENT. PROVIDER TO VERIFY THAT THE FLOOR CAN SUPPORT THE WEIGHT OF THE EQUIPMENT. PROVIDER TO VERIFY THAT THE FLOOR CAN SUPPORT THE WEIGHT OF THE EQUIPMENT. PROVIDER TO VERIFY THAT THE FLOOR CAN SUPPORT THE WEIGHT OF THE EQUIPMENT.  
**ELECTRICAL**  
 POWER SUPPLY (SEE SPECIFICATIONS BELOW) LOCKABLE FUSED DISCONNECTS TO BE INSTALLED IN COMPLIANCE WITH ELECTRICAL CODE TO BE PROVIDED PRIOR TO INSTALLATION. ELECTRICAL WIRING TO BE PROVIDED BY CONTRACTOR. ELECTRICAL WIRING TO BE PROVIDED BY CONTRACTOR. ELECTRICAL WIRING TO BE PROVIDED BY CONTRACTOR.  
**PERMANENT POWER**  
 PERMANENT POWER BEFORE INSTALLATION CAN BEGIN. PERMANENT POWER MUST BE PROVIDED BY CONTRACTOR. PERMANENT POWER MUST BE PROVIDED BY CONTRACTOR. PERMANENT POWER MUST BE PROVIDED BY CONTRACTOR.  
**TELEPHONE**  
 TELEPHONE CIRCUIT SHALL BE BROUGHT TO A LOCATION NEXT TO THE CONTROLLER AND BE AVAILABLE TO CONNECT AND TEST UPON ELEVATOR INSTALLATION.  
**SAVARIA LINK WITH ANTENNA**  
 PROVIDER TO PROVIDE A WIRELESS SIGNAL WITH INTERNET CAPABILITY IN THE VICINITY OF THE CONTROLLER.  
**SAVARIA LINK WITH ETHERNET**  
 PROVIDER TO PROVIDE ETHERNET CONNECTION WITH INTERNET CAPABILITY IN THE VICINITY OF THE CONTROLLER.  
**SAVARIA LINK**  
 NO SPECIAL REQUIREMENT

**GENERAL**  
 CLASSIFICATION: Residential Building  
 APPLIED CODE: ASME 171-2013 SEC. 5.3  
 CLEAR: Clear Acrylic - ANSI Z97.1  
 NUMBER OF FLOORS: 6 Max Mini Acrylic  
 NOMINAL SPEED: 30 fpm (0.15 m/s) UP AND DOWN  
 TOTAL TRAVEL: 397, 825 Ft2, 1m, 0.75 m2  
 CAB FLOOR AREA: 397, 825 Ft2, 1m, 0.75 m2  
 CAB INTERIOR HEIGHT: 78" (1.98 m)  
 CAB INTERIOR WIDTH: 59" (1.50 m)  
 PIT DEPTH (OPTIMUM): 60 Hz Single Phase 240 volt (60Hz)  
 POWER SUPPLY: Manual Rotating Sliding Door  
 CAB DOOR: 2 Type A Instantaneous Softeties in compliance with ASME A17.1 Sections 2.1.1.1 & 117.5.1  
 PIT: 177 Hp (132 Kw)  
 TYPE: WHITE ZINC COATED STEEL RPE 06x133 (7x19)  
 CONSTRUCTION: 1WRC 7 x 19 RHRL  
 NOMINAL STRENGTH: 7,000 lbs (3175kg)  
 WT. OF ROPES: 0.243 lbs/ft (3616 g/cm)  
 TRAVEL CABLE WT: 0.228 lbs/ft (3393 g/cm)  
**DRIVE TRAIN**  
 TYPE: Winding Drum  
 MOTOR: 177 Hp (132 Kw)  
 MOTOR CONTROLLER: Geopark  
 DOOR INTERLOCKS: Xtronics E10983-190 certified in compliance with ASME A17.1 Sections 2.12.4.3 (ft of Hoistway\*35) + (4# of Floors \* 120) + 1480 Dead Load (lbs) (m of Hoistway\*15.9) + (4# of Floors \* 54.5) + 673 Dead Load (kg)  
 PIT/FLOOR LOAD: Based on this configuration:  
 PIT/FLOOR TO SUPPORT LOAD OF: [ ]  
 \* SEE SPECIFICATION VIEW FOR ADDITIONAL HEADERS RING TO SUPPORT EXTRA LONG FLOOR TO FLOOR DISTANCES.  
 BACK BOUNDS: Required if input power supply is not 240 volt AC  
 CAR TIP INSPECTION: If applicable for habitable space below, min. pit 4' CLEAR.  
 CONDUCTOR CABLE: Distance between Head Frame and Control Room  
 CONTROLLER LOCATION: Internal or External to hoistway  
 HEADERS RING FINISH: Back acrylic (Standard)  
 FLOOR FINISH: (PASA/ACRYLIC) Cut on site or factory cut  
 FLOOD SWITCH: Stainless Steel (Standard)  
 LANDING DOOR HANDLE: Stainless Steel (Standard)  
 SHIP CAB ASSEMBLED: [ ]

**FIRST DOOR BY LANDING CHART**

	LANDING 1	LANDING 2	LANDING 3
DOOR TYPE	Swing	Swing	Swing
ENTRANCE SIDE	Side C	Side C	Side C
DOOR SWING	LH or RH Swing	LH or RH Swing	LH or RH Swing
LOCK	X Lock	X Lock	X Lock
HAND CALL KEY SWITCH	Y	Y	Y
FLOOR MARKING	1	2	3
LANDING CONFIGURATION	Pit or Ramp	Intra-Floor Showm	Balcony Showm

**ENTRANCE SIDE LEGEND**

**WARNING: LOAD VALUE ONLY FOR ACRYLIC MODEL**  
 REFER TO GLASS TEMPLATE FOR GLASS UNIT VALUES

**OFFICE USE ONLY:**  
 CONFIGURATION VERSION: 1.5  
 MODEL: Round Mini Acrylic  
 DATE: 05/16/20  
 COMPLETED BY: [ ]  
 DRAWING NO.: [ ]  
 SHEET NO.: 9 OF 9

**DATA SHEET**

Figure 14: Datasheet (glass) - type 1 or 2

## PROVISIONS BY OTHERS

**GENERAL**  
 SAVARIA LINK: QUOTE/AGRE TO REQUIRE ALL WAREHOUSES, CARPENTRY AND DIMENSIONAL TOLERANCES. ALL DIMENSIONS SHALL BE IN FINISHED STATE PRIOR TO INSTALLATION OF UNIT.  
 DIMENSIONS: CONTRACTOR/CUSTOMER TO VERIFY ALL CLEARANCE DIMENSIONS PRIOR TO UNIT DELIVERY.

**STRUCTURAL**  
 ARCHITECTURAL ENGINEER TO ASSURE THAT BUILDING WITH SAFETY SUPERIMPOSED LOADS IMPROVED BY THE LIFT EQUIPMENT, REFER TO TABLES ON THIS DRAWING FOR PIT/FLOOR LOADS IMPROVED BY THE EQUIPMENT.

**ELECTRICAL**  
 ELECTRICAL SPECIFICATIONS BEHIND LOCKABLE COVER DISCONNECTS INSTALLED IN COMPLIANCE WITH ELECTRICAL CODE TO BE PROVIDED PRIOR TO INSTALLATION. PROVIDED IN POWER TO LIFT UNIT MUST BE PROVIDED TO CONTROLLER LOCATION PRIOR TO INSTALLATION.  
 ELECTRICAL GFCI OUTLET IN HOISTWAY PIT IF REQUIRED.  
 PERMANENT ENDERS, BEFORE INSTALLATION CAN BEGIN, PERMANENT POWER MUST BE SUPPLIED.

**HANDBRAILES**  
 ALL BALCONY LEVELS REQUIRE HANDBRAILES TO BE INSTALLED PER LOCAL CODES AFTER INSTALLATION IS COMPLETED. HANDBRAILE AND INSTALLATION TO BE INSTALLED IN COMPLIANCE WITH ELECTRICAL CODE TO BE PROVIDED PRIOR TO INSTALLATION. RESPONSIBLE FOR HANDBRAILE INSTALLATION OR MATERIALS.

POWER SUPPLY SPECIFICATIONS	DISCONNECT SIZE	TIME DELAY	ROSE SIZE	VOLTS	PHASE	AMPERAGE
MOTOR & EQUIP	30 AMPS	20 AMPS	230	SINGLE	20/2	AMPS
CAB LIGHTS	15 AMPS	15 AMPS	115	SINGLE	-	-
PIT LIGHTS	15 AMPS	15 AMPS	115	SINGLE	-	-

TELEPHONE CIRCUIT SHALL BE BROUGHT TO A LOCATION NEXT TO THE CONTROLLER AND BE AVAILABLE TO CONNECT AND TEST UPON ELEVATOR INSTALLATION.  
 OPTIONS:  
 1. SAVARIA LINK WITH ANTENNA.  
 2. SAVARIA LINK WITH ETHERNET CONNECTION WITH INTERNET CAPABILITY IN THE VICINITY OF UNIT'S CONTROLLER.  
 3. NO SAVARIA LINK, NO SPECIAL REQUIREMENT

**GENERAL**  
 CLASSIFICATION: Residential Building  
 ASKE 171-2013 SEC. 5.3  
 WAPLEED CODE: ASKE 171-2013 SEC. 5.3  
 NUMBER OF FLOORS: 5 Max  
 MODEL: Round Mini Glass  
 CAPACITY: 500lbs (227 kg)  
 MINIMAL SPEED: 30 fpm (0.15 m/s) UP AND DOWN  
 CAB FLOOR AREA: 39" x 825 F42, 1m, 0.75 m<sup>2</sup>  
 CAB INT HEIGHT: 78" (1.98 m)  
 CAB WEIGHT: 1000 lb 455 kg  
 PIT DEPTH (OPTIM): 60 Hz Single Phase 240 volt (60Hz)  
 POWER SUPPLY: 240V 15A 60Hz  
 SAFETIES: 2 Type A Safety Sections 21781 & 11751  
 Mfg: Savaria P/N#280240

**SUSPENSION:**  
 TYPE: WHITE ZINC COATED STEEL ROPE 06x133 (7x19)  
 DIMENSION: 1/8" x 19 RHRL  
 NUMBER OF STRENGTH: 0.40 lbs / 181.5g  
 WT OF ROPES: 0.228 lbs / 103g  
 TRAVEL CABLE WT: 0.228 lbs / 103g

**DRIVE/TRAIN:**  
 TYPE: Vending Drive  
 MOTOR: L77 Hg 0.32 Kw  
 TRANSMISSION: Gearbox  
 MOTOR CONTROL: Pre-programmed Variable Freq Drive  
 MOTOR INTERLOCKS: Xtronic E10983-1901 certified in compliance with  
 PIT/FLOOR LOAD: (n of Hoistway) x (348) + (4 of Floors x 545) + 816 Dead Load (kg)

Based on this configuration:  
 PIT FLOOR TO SUPPORT LOAD OF: \_\_\_\_\_  
 IMPACT LOAD: \_\_\_\_\_

\* SEE ELEVATION VIEW FOR ADDITIONAL HEADER RING TO SUPPORT EXTRA LONG FLOOR TO FLOOR DISTANCES:  
 BUCK BOOSTER: Required if input power supply is not 240 volt AC  
 BUFFER SPRING: If applicable for habitable space below, Min. pit 4'  
 CAR TOP INSPECTION: \_\_\_\_\_  
 CHAIN: \_\_\_\_\_  
 CONTROLLER CABLE: Distance between Head Frame and Control Room  
 CONTROLLER LOCATION: Internal or External to hoistway  
 HEADER RING FINISH: Clear glass (Standard)  
 FACTORY CUT GLASS/ACRYLIC Cut on site or Factory cut  
 FLOOD SWITCH HANDLE: \_\_\_\_\_  
 HAND CAB ASSEMBLED: \_\_\_\_\_  
 SHIP CAB ASSEMBLED: \_\_\_\_\_  
 Stainless Steel (Standard)

**FIRST DOOR BY LANDING CHART**

DOOR TYPE	LANDING 1	LANDING 2	LANDING 3
ENTRANCE SIDE	SHING	SHING	SHING
DOOR SWING	LH or RH Swing	LH or RH Swing	LH or RH Swing
DOOR TYPE	X Lock	X Lock	X Lock
HALL CALL KEY SWITCH	NO	NO	NO
FLOOR MARKING	NO	NO	NO
LANDING CONFIGURATION	PIT or RAMP	Pit/Floor, Shown	Balcony Shown

DATA SHEET

**OFFICE USE ONLY:**  
 COMPLETION REGION SHIP: 1.5  
 VUE: 105  
 DATE: 06/20  
 COMPLETED BY: \_\_\_\_\_  
 PROJECT: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_  
 CUSTOMER: \_\_\_\_\_

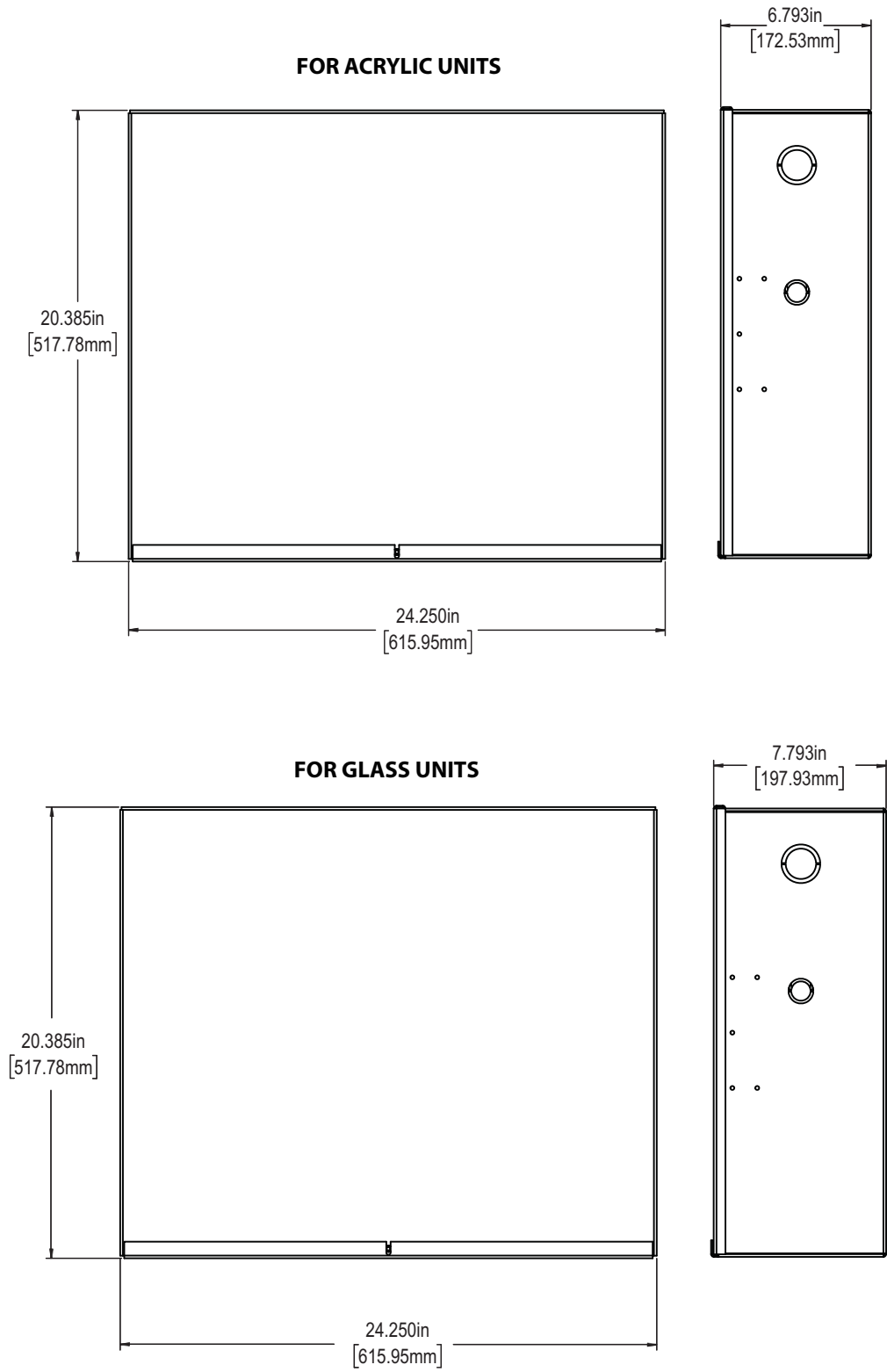
Print No: Round Mini Glass  
 Variant No: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Sheet No: 9 of 9

savaria.

ENTRANCE SIDE LEGEND

WARNING: LOAD VALUE ONLY FOR GLASS MODEL.  
 REFER TO AGRILIC TEMPLATE FOR AGRILIC UNIT VALUES

Figure 15: Controller box dimensions (acrylic/glass) - type 1 or 2



**NOTE:** A remote controller cannot be more than 100 ft (30.48 m) from the top of the unit for the cable to reach.

# **Vuelift Mini**

## **Residential Elevator**

### **PLANNING GUIDE**

Part No. 001255  
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