



Vuelift<sup>®</sup>  
Mini  
Residential  
Elevator

Planning  
Guide

 savaria.

## 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.

## 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

July 29, 2020 - Revised load calculations on page 11; Revised drawings throughout

August 18, 2020 - Revised maximum travel on page 5

September 9, 2020 - Revised drawings on page 24 and 25

October 28, 2020 - Added model specifications on page 12

November 10, 2020 - Revised drawings throughout

November 16, 2020 - Revised drawings throughout

January 24, 2022 - Added noise level to specifications on page 5

June 9, 2022 - Vuelift Mini Model Specifications on page 12 updated; " revised to "

June 21, 2022 - Revised drawings throughout

March 24, 2024 - Revised drawings on pages 14-15 and 29-30

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## Specifications

Specification	Specification Data
Load capacity	500 lb (227 kg)
Maximum travel	50 ft (15.24 m); 55 ft (16.76 m) where a variance is possible
Travel speed	30 ft/min (0.15 m/s)
Noise Level (for typical installation)	58 - 60 dB
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" (2.44 m)
Cab	Cab walls: Full clear acrylic or silica glass Cab interior height: 77.75" (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" (1.26 m) diameter
Acrylic and glass diameter	42.8" (1.08 m)
Hoistway ring diameter	43.75" (1.11 m)
Power supply	30A, 230V, single-phase, 50/60 Hz
Cab lighting	15A, 115V, single-phase, 50/60 Hz
Suspension	Type: White Zinc Coated Steel Rope 06x133 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: 2.2HP (1.63 kW)@60Hz 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:**

Lbs = (ft of hoistway \*65) + (# of floors \*249) + 1885 dead load

Kg = (m of hoistway \*97) + (# of floors \*113) + 855 dead load

**ACRYLIC:**

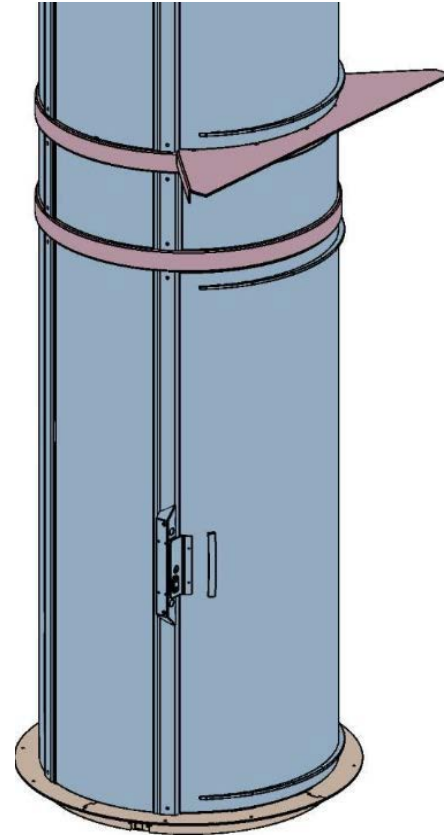
Lbs = (ft of hoistway \*37) + (# of floors \* 179) + 1610 dead load

Kg = (m of hoistway \*55) + (# of floors \*81) + 730 dead load

## Model Specifications

### Vuelift Mini (Acrylic and Glass):

- Capacity: 500lbs (227kg)
- Cab Size: 8.25 sq/ft (0.76 sqm)
- Speed: 30fpm ( 0.15m/s)
- Clear Cab Size: 39.4" (1000mm)
- Cab Height: 77.75" (1975mm)
- Hoistway Footprint:
  - Glass/acrylic: 42.5" (1082mm)
  - Pit/Thru Floor Cutout: 45.75" (1162mm)
  - Pit/Thru Floor Ring: 49.75" (1264mm)
  - Header Ring: 43.75" (1111mm)
  - Minimum Overhead: 96" (2438mm)
- As it is a compact design, **the controller is only available in a remote configuration.**
- **Dimensions you want to highlight to an architect:**
  - 50" overall including trim , acrylic dim of 42.5" and Clear Cab size of 39"



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## Drawings

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

Figure 1: Plan view (acrylic) - type 1

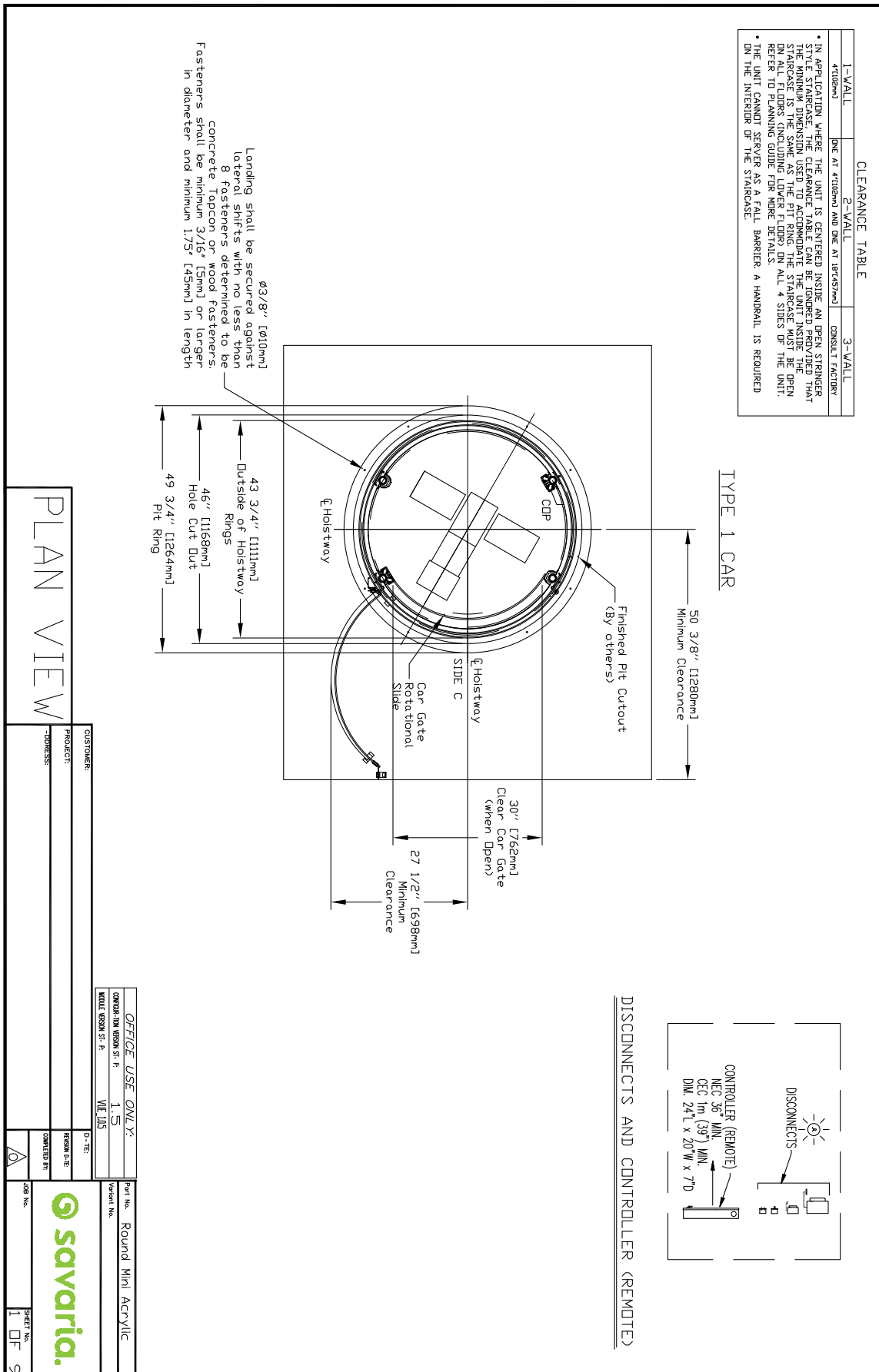
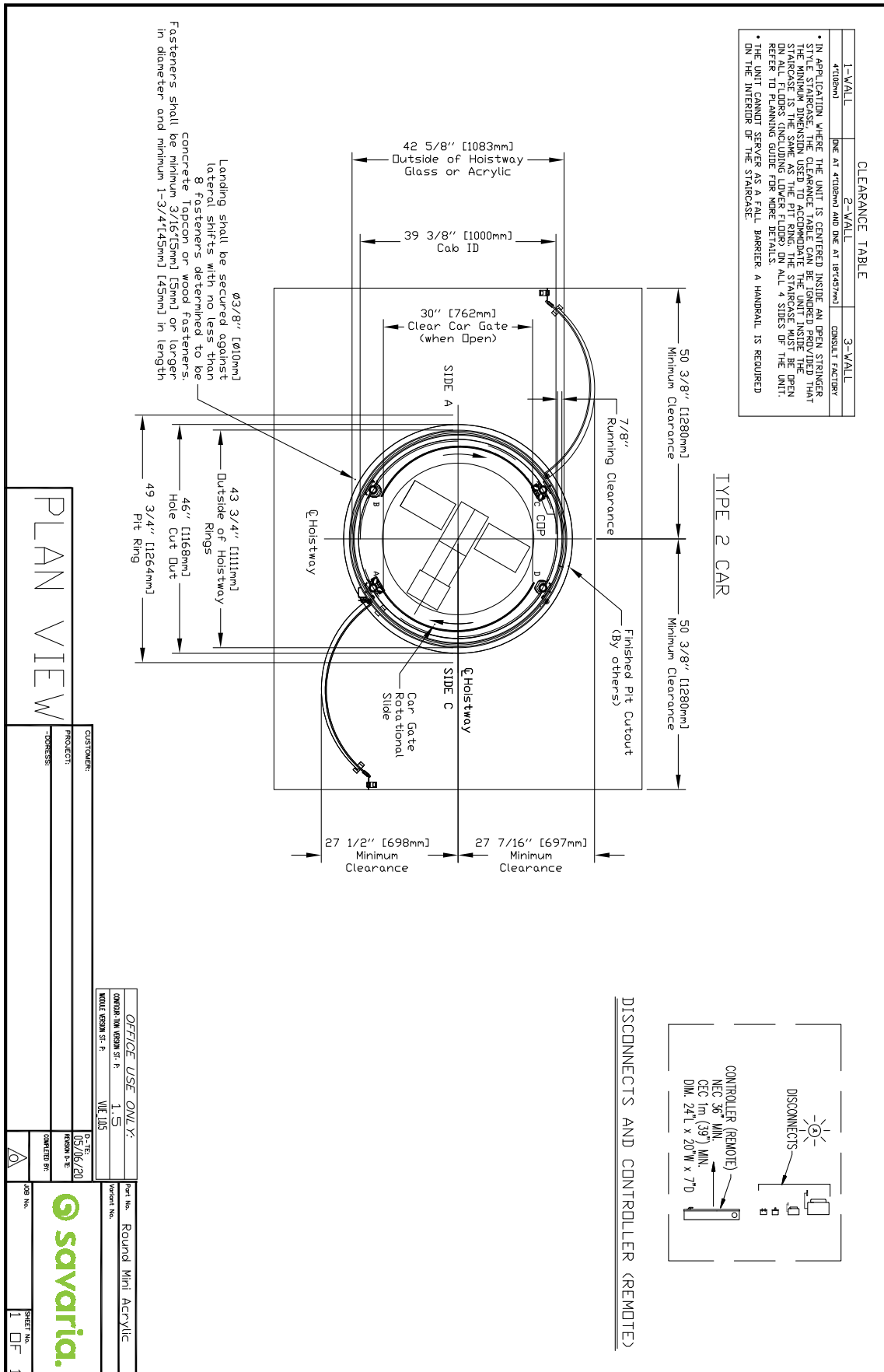


Figure 2: Plan view (acrylic) - type 2



**DISCONNECTS AND CONTROLLER (REMOVED)**

CONTROLLER (REMOVED)  
 NEC 36" MIN.  
 NEC 1in (39") MIN.  
 DIM: 24" L x 20" W x 7" D

**PLAN VIEW**

CUSTOMER:	OFFICE USE ONLY:
PROJECT:	DATE: 02/16/20
ADDRESS:	REVISION:
	DATE: 02/16/20
	COMPILED BY:
	JOB NO.:
	SHEET NO. 1 OF 1

OPERATOR: ROUND MINI ACRYLIC MODEL: R3000 ST- P VUE: 110	Part No.: Variant No.:
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Figure 3: Pit view (acrylic) - type 1 or 2

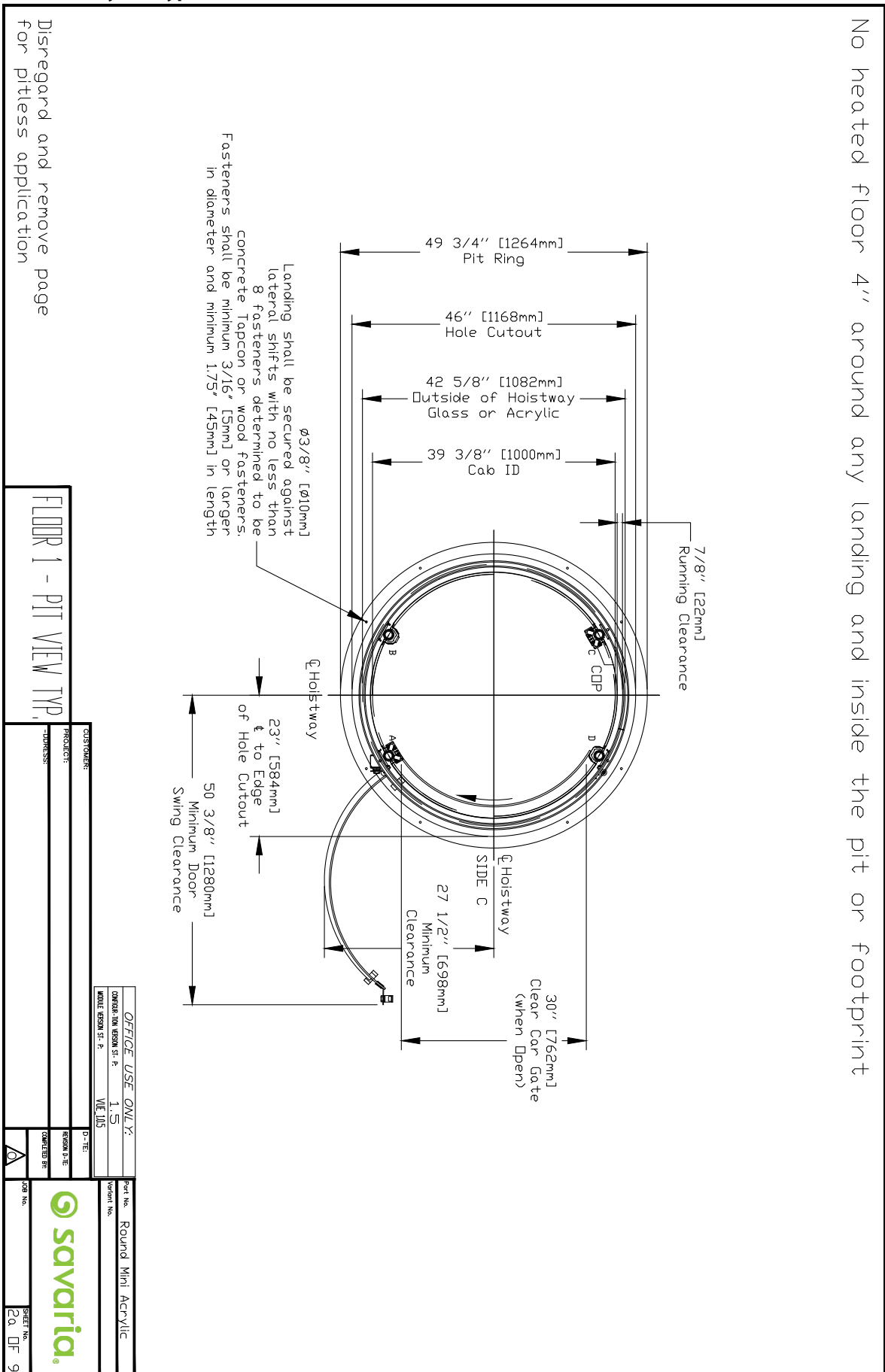




Figure 4: Base ring details (acrylic) - type 1 or 2

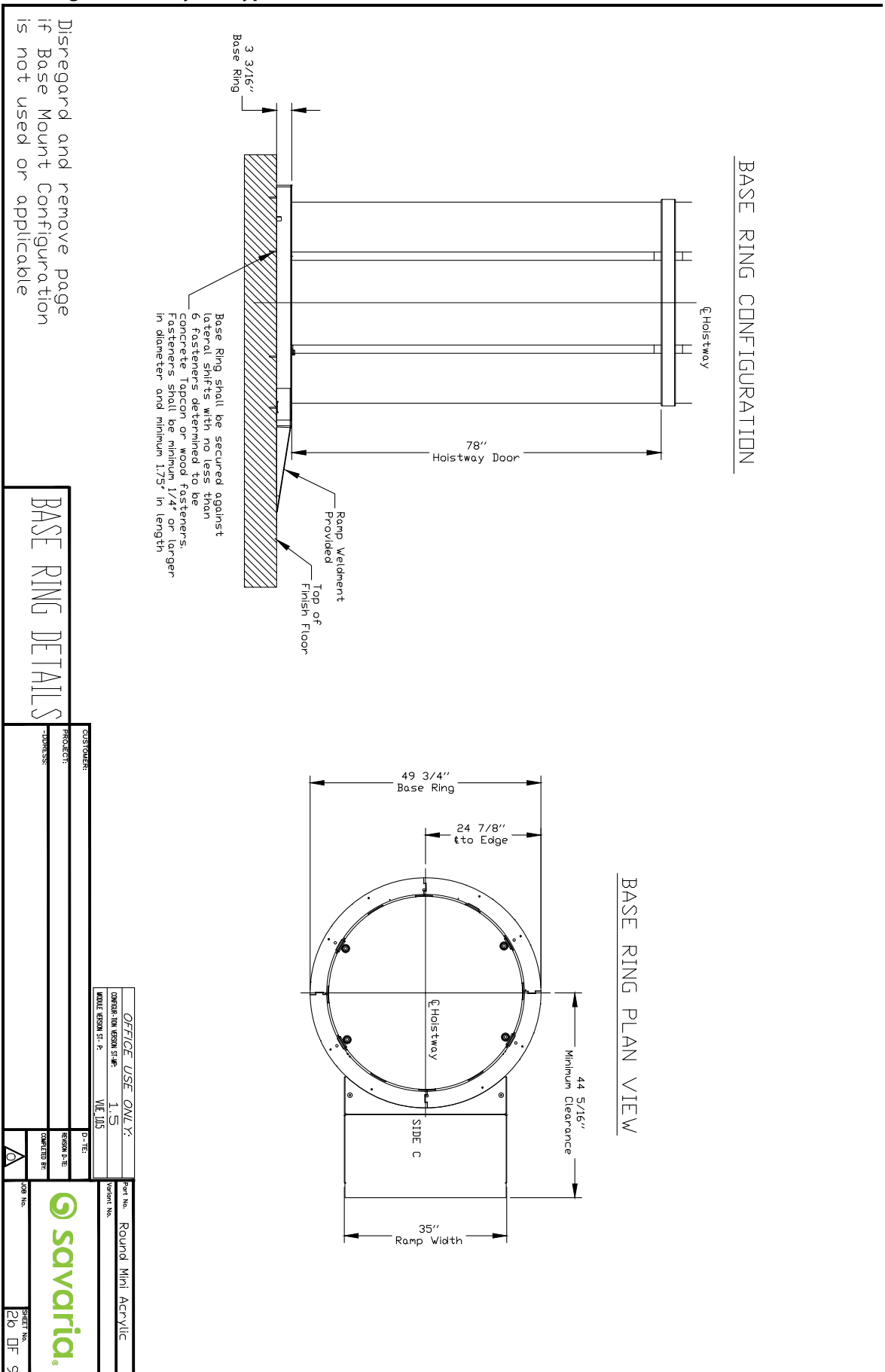


Figure 5: Thru floor view (acrylic) - type 1 or 2

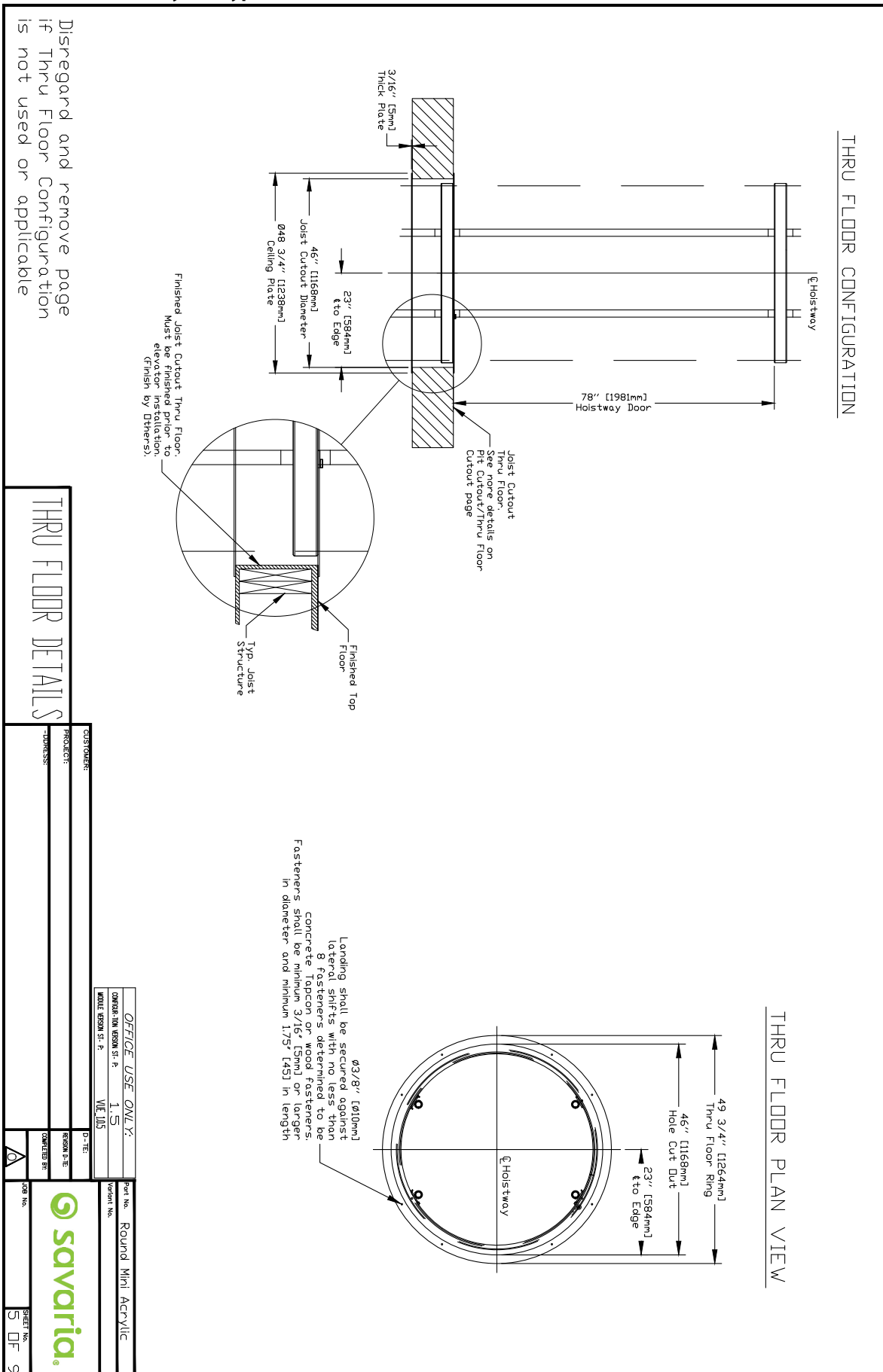
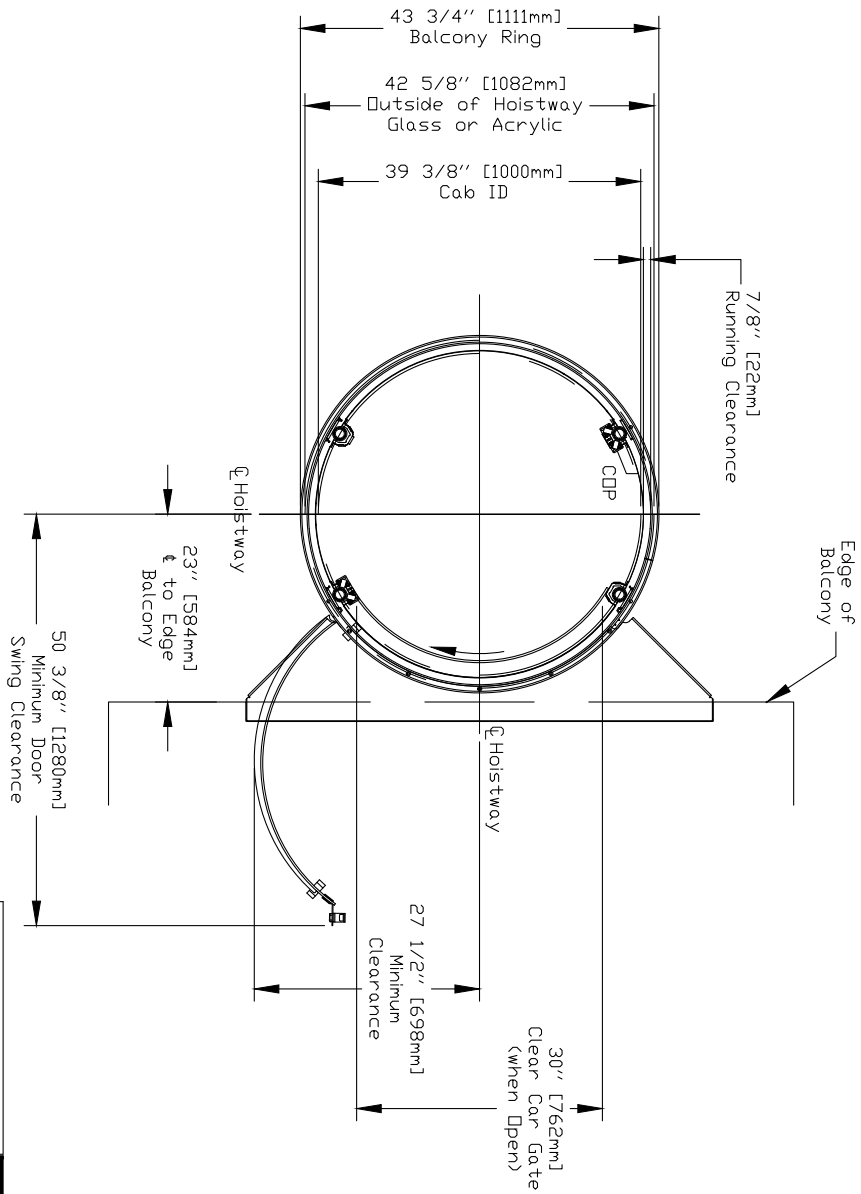


Figure 6: Balcony view (acrylic) - type 1 or 2

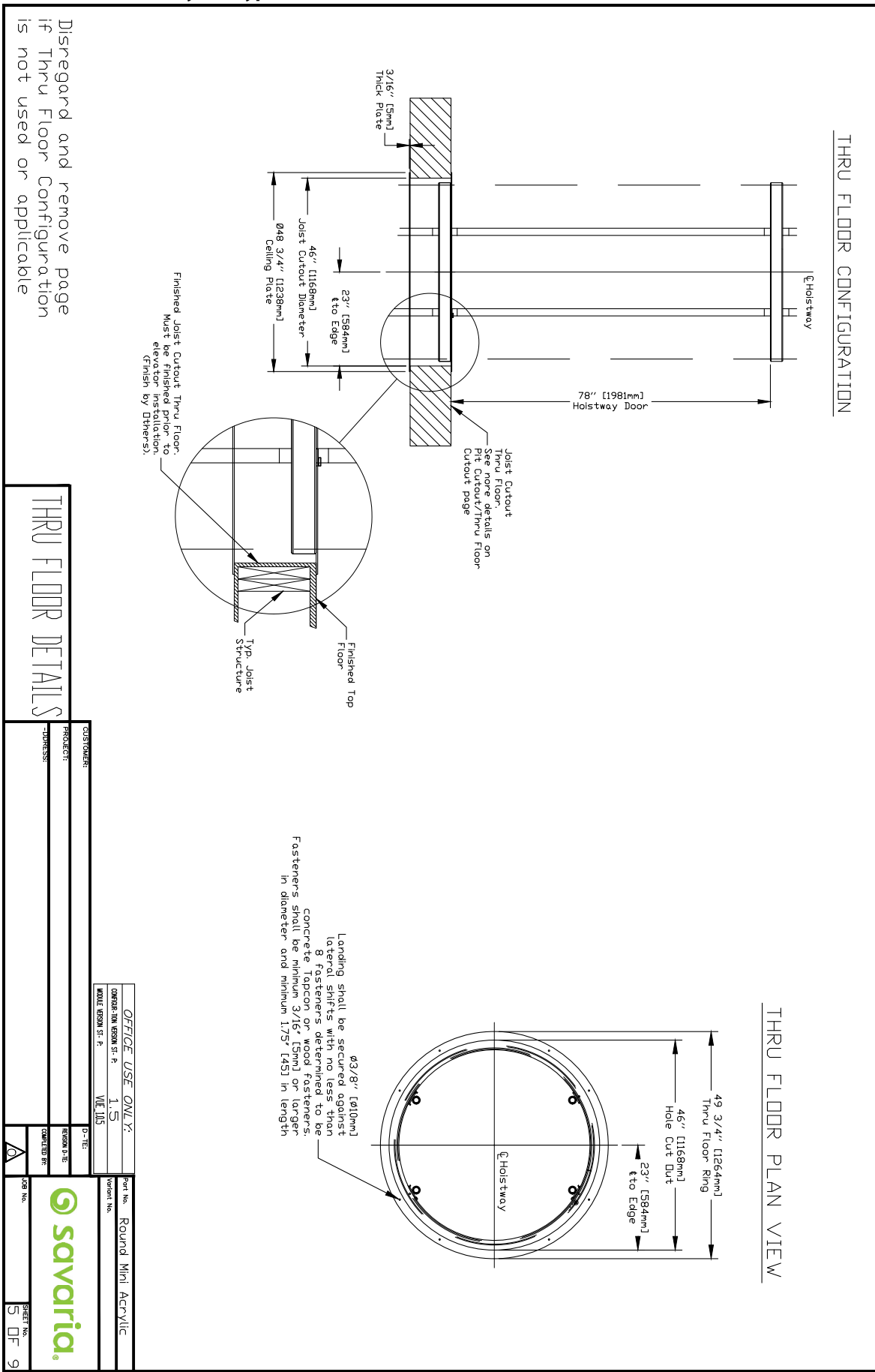
No heated floor 4" around any landing and inside the pit or footprint



Disregard and remove page if Balcony Configuration is not used or applicable

<b>FLOOR 3 - BALCONY VIEW TYP</b>	
CUSTOMER: PROJECT: ADDRESS:	DATE: REGION P-3: COMPLETED BY:
OFFICE USE ONLY: CHANGE: NEW DESIGN STATE VUE: 1115	Part No.: Round Mini Acrylic Revision No.:
	SHEET No.: 4 OF 10

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



<b>THRU FLOOR DETAILS</b>	
CUSTOMER:	PROJECT:
ADDRESS:	ADDRESS:
DATE:	DATE:
OFFICE USE ONLY:	DESIGNER:
DATE:	DATE:
PROJECT NO.:	PROJECT NO.:
REV.:	REV.:
DATE:	DATE:
BY:	BY:
CHECKED BY:	CHECKED BY:
DATE:	DATE:
SCALE:	SCALE:
SHEET NO.:	SHEET NO.:
OF:	OF:
9	9



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

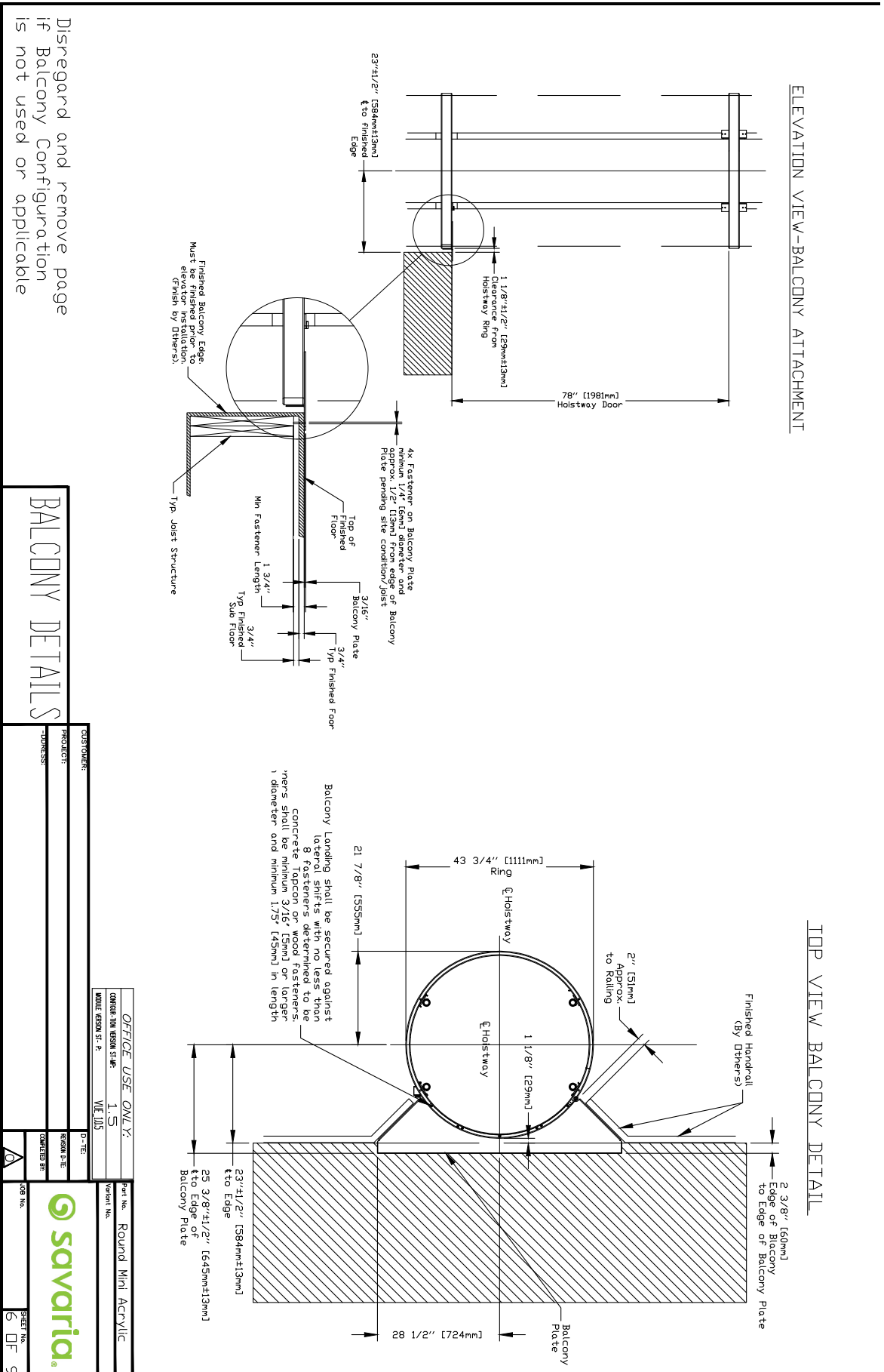


Figure 9: Pit cutout details (acrylic) - type 1 or 2

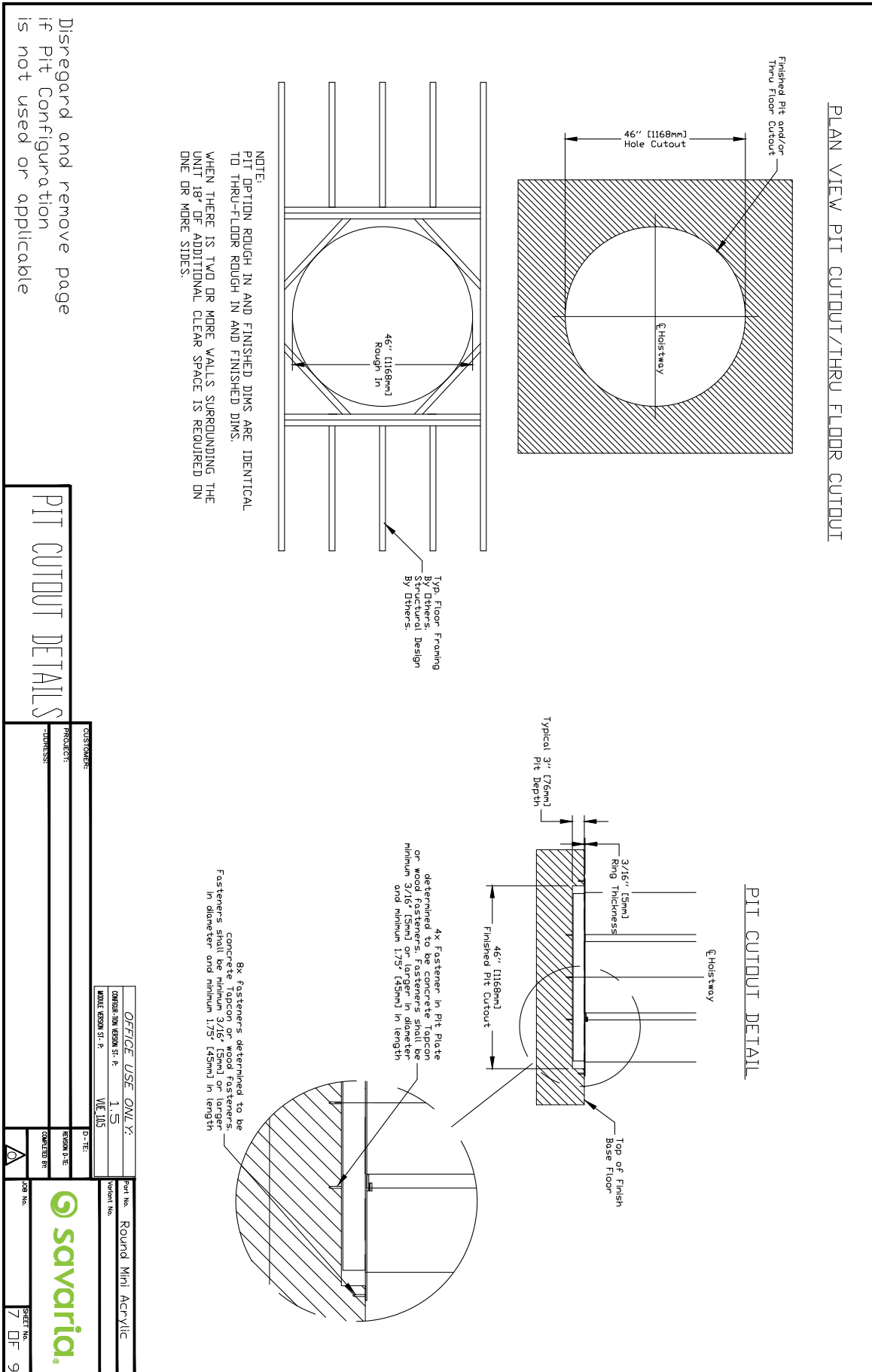


Figure 10: Elevation view (acrylic) - type 1 or 2

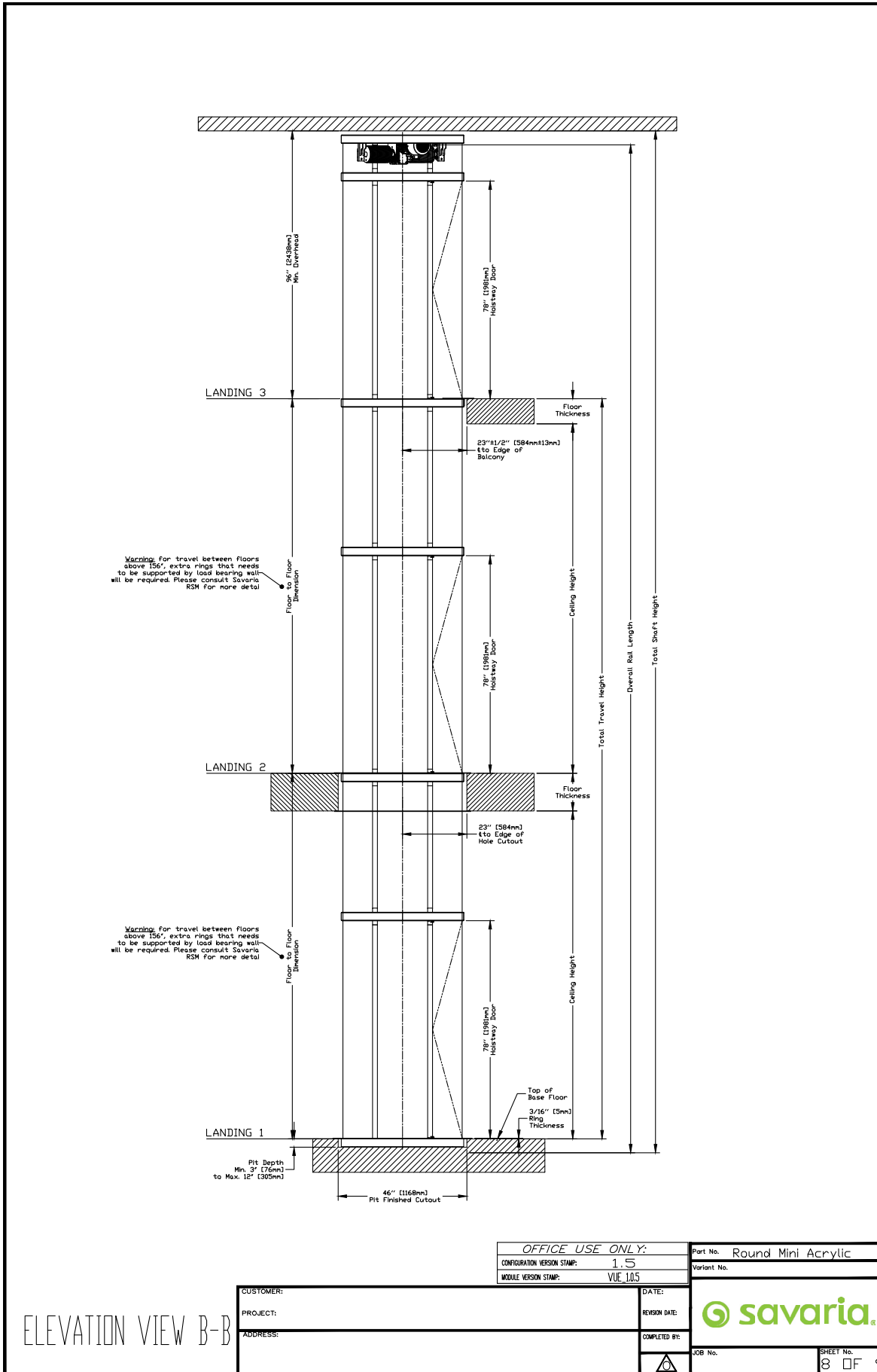


Figure 11: Datasheet (acrylic) - type 1 or 2

# PROVISIONS BY OTHERS

**GENERAL**  
 CONSTRUCTION SITE DOWNGRANT TO PROVIDE ALL MASONRY, CARPENTRY AND ELECTRICAL WORK. DOWNGRANT FLOOR SHALL BE IN FINISHED STATE PRIOR TO INSTALLATION OF UNIT.  
 DIMENSIONS CONSTRUCTOR/CUSTOMER TO VERIFY ALL CLEARANCE DIMENSIONS PRIOR TO UNIT DELIVERY.

**\* STRUCTURAL**  
 ELECTRICAL STRUCTURAL ENGINEER TO ASSURE THAT BUILDING VULNERABILITY IS MAINTAINED. STRUCTURAL ENGINEER SHALL PROVIDE ALL DETAILS ON THIS DRAWING FOR PLY/FLOOR LOADS IMPROVED BY THE EQUIPMENT. PLY/FLOOR LOADS SHALL BE PROVIDED TO THE CONTRACTOR PRIOR TO INSTALLATION.

**ELECTRICAL**  
 ENGINEER SHALL SEE SPECIFICATIONS BELOW. LOCKABLE FUSED DISCONNECTS TO BE PROVIDED BY CONTRACTOR/CUSTOMER. SAVARIA AND/OR LOCAL INSTALLER ARE NOT RESPONSIBLE FOR HANDRAIL INSTALLATION OR MATERIALS.  
 ELECTRICAL GFCI OUTLET IN HOISTWAY PIT IF REQUIRED.  
 PERMANENT ENGINEER BEFORE INSTALLATION CAN BEGIN. PERMANENT POWER MUST BE PROVIDED PRIOR TO INSTALLATION.  
 HANDRAILS: ALL HANDRAILS AT LEVELS ABOVE AND BELOW SHALL BE INSTALLED PER LOCAL CODES. CONTRACTOR/CUSTOMER SHALL PROVIDE ALL DETAILS ON THIS DRAWING FOR HANDRAIL INSTALLATION OR MATERIALS.  
 RESPONSIBLE FOR HANDRAIL INSTALLATION OR MATERIALS.

POWER SUPPLY SPECIFICATIONS	DISCONNECT	TIME DELAY	VOLTS	PHASE	AMPERAGE
MOTOR & EQUIP 30 AMPS	20 AMPS	230	SINGLE	14 AMPS	
CAB LIGHTS	15 AMPS	115	SINGLE	-	
PIV/FLOOR LOADS	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. LINK WITH ANTENNA - ENSURE THAT YOU HAVE A WIRELESS SIGNAL WITH INTERNET CAPABILITY IN THE VICINITY OF UNITS CONTROLLER.  
 2. SAVARIA LINK WITH ETHERNET - ENSURE THAT YOU HAVE AN ETHERNET CONNECTION WITH INTERNET CAPABILITY IN THE VICINITY OF UNITS CONTROLLER.  
 3. NO SAVARIA LINK: NO SPECIAL REQUIREMENT

**GENERAL**  
 CLASSIFICATION: Residential Building  
 APPLIED CODE: ASNE 171-2013 SECC 5.3  
 MATERIAL: Acrylic - ANSI Z97.1  
 NUMBER OF FLOORS: 6  
 MODEL: Round Mini Acrylic  
 CAPACITY: 500lbs (227kg)  
 NOMINAL SPEED: 30 FPM (0.15 m/s) UP AND DOWN  
 TOTAL TRAVEL: 39' 8.25" (12.07 m)  
 CAB LENGTH: 78" (1.98 m)  
 CAB WIDTH: 550 lb (250 kg)  
 CAB HEIGHT: 550 lb (250 kg)  
 PIV DEPTH (OPTIMIZED): 60 Hz Single Phase 240 volt (60Hz)  
 POWER SUPPLY: Manual Rotating Sliding Door  
 CAB DOOR: 2 Type F1 Posttensioned Sleeves in compliance with ASME A17.1  
 SAFETY: Mfg. Savaria P/N: 280240

**SUSPENSION:**  
 TYPE: WHITE ZINC COATED STEEL ROPE 06X133 (7x19)  
 CONSTRUCTION: 1WRC 7 x 19 RHRL  
 NOMINAL STRENGTH: 7,000 lbs (3,175 kg)  
 WT. OF ROPE: 0.243 lbs/ft (3.616 g/cm)  
 TRAVEL CABLE WT: 0.228 lbs/ft (3.393 g/cm)  
 DRIVE TRAIN:  
 TYPE: Winding Drum  
 MOTOR: 2.2 Hp (1.63 kW)  
 MOUNTING: Gearbox  
 METHOD OF CONTROL: Programmable Variable Freq. Drive  
 DOOR INTERLOCKS: Xtronics EI0983-1901 Certified in compliance with ASME A17.1 Sections 2.12.4.3 (ft of Hoistway\*37) + (# of Floor\*sk179) + 1610 Dead Load (lbs) (ft of Hoistway\*85) + (# of Floor\*sk81) + 730 Dead Load (kg)

Based on this configuration:  
 LOWER FLOOR DEAD LOAD: \_\_\_\_\_  
 LOWER FLOOR IMPACT LOAD: 2795 lbs (1268 kg)  
 MID FLOOR MAX. LATERAL LOAD: 250 lbs (113 kg)

\* SEE ELEVATION VIEW FOR ADDITIONAL HEADER RING TO SUPPORT EXTRA LONG FLOOR TO FLOOR DEPTIONS:  
 BACK 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: \_\_\_\_\_  
 COLOR: \_\_\_\_\_ Distance between Head Frame and Control Room  
 CONTROL CABLE: \_\_\_\_\_ Connected to Hoistway  
 CONTROLLER LOCATION: \_\_\_\_\_ Back Acrylic (Standard)  
 HEADER RING FINISH: \_\_\_\_\_ Glass/Acrylic/Cut on site or Factory cut  
 FLOOD SWITCH: \_\_\_\_\_ Manual or Hydraulics Landing Doors  
 LANDING DOOR HANDLE: \_\_\_\_\_ Stainless Steel (Standard)  
 LANDING DOOR ASSEMBLY: \_\_\_\_\_ Ship Cab Assembled (STD)

**FIRST DOOR BY LANDING CHART**

DOOR TYPE	LANDING 1	LANDING 2	LANDING 3
ENTRANCE SIDE	Side A	Side B	Side C
DOOR SWING	LH or RH Swing	LH or RH Swing	LH or RH Swing
LOCK TYPE	X Lock	X Lock	X Lock
HAL CALL KEY SWITCH	ND	ND	ND
FLOOR MARKING	1	2	3
LANDING CONFIGURATION	Pit or Ramp	Incl-Elev or Stairw	Balcony Stairw

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

**ENTRANCE SIDE LEGEND**

**DATA SHEET**

CUSTOMER: \_\_\_\_\_ PROJECT: \_\_\_\_\_ ADDRESS: \_\_\_\_\_

DATE: 03/02/21  
 REVISION DATE: \_\_\_\_\_  
 MODEL REVISION: V02.105

OFFICE USE ONLY:  
 OPERATOR REVISION: 1.5  
 DATE: 03/02/21  
 REVISION DATE: \_\_\_\_\_

Part No. Round Mini Acrylic  
 Variant No. \_\_\_\_\_

**savaria**

Sheet No. 9 OF 9



Figure 12: Corner installation view (acrylic/glass) - type 1

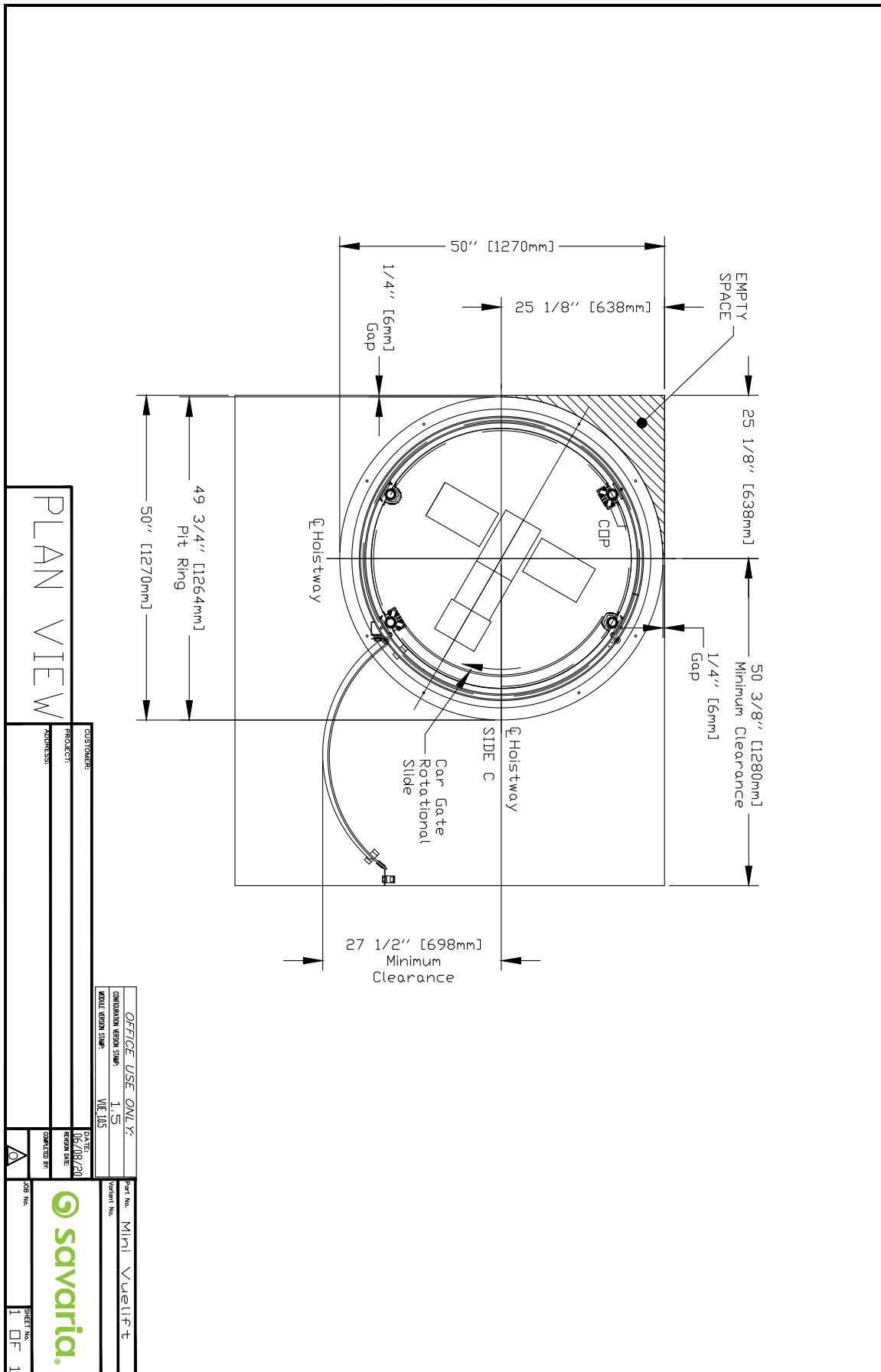
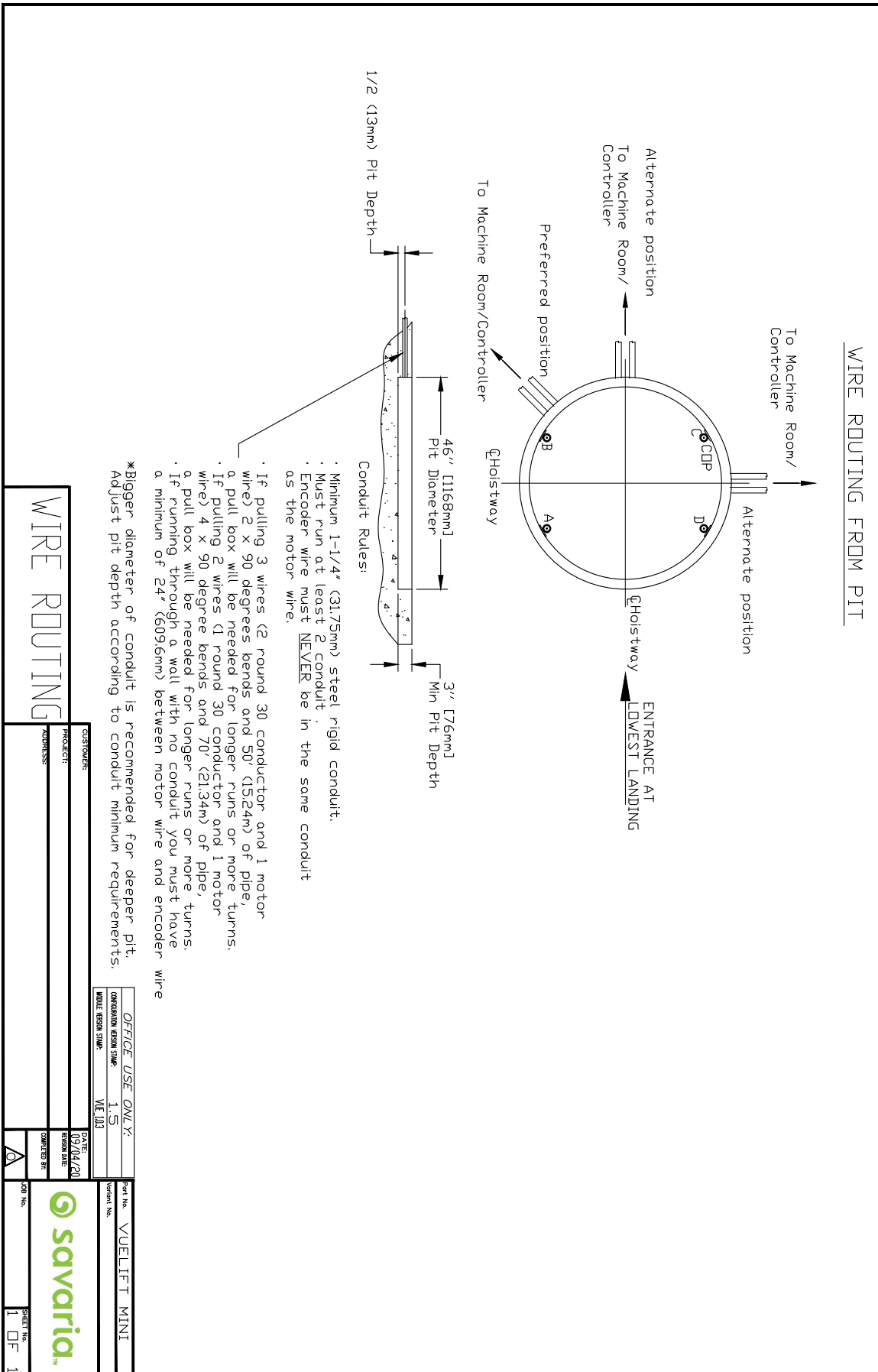
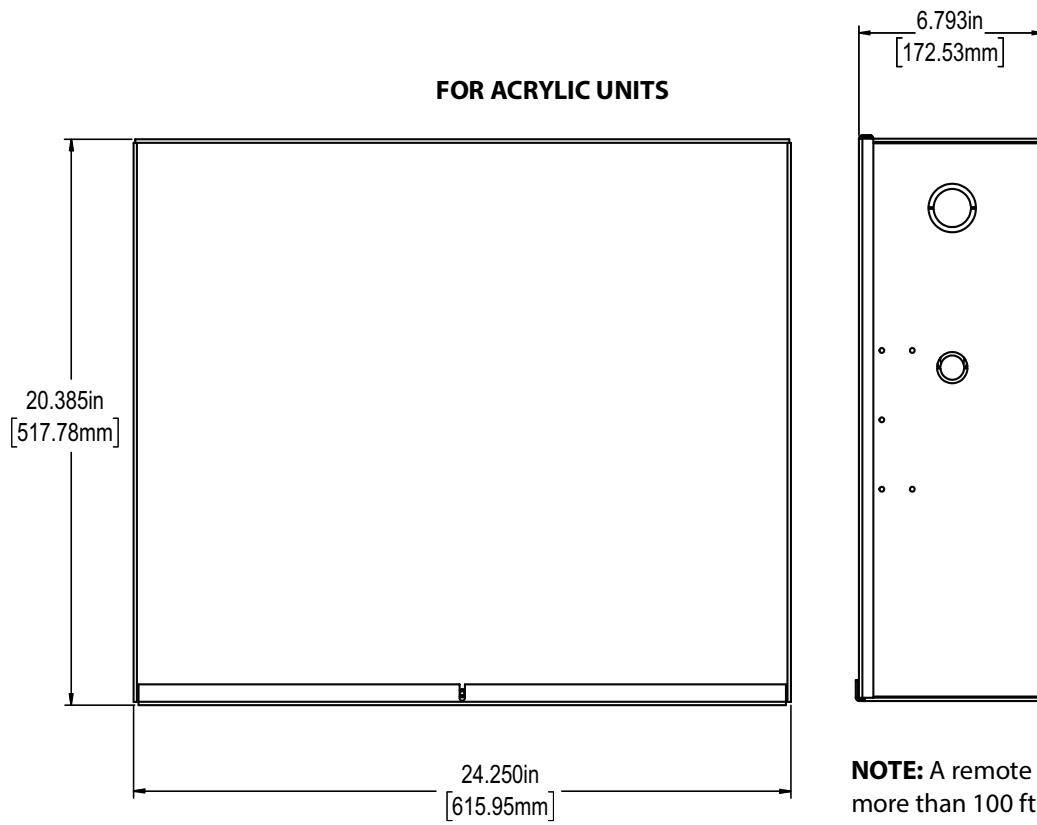




Figure 14: Wire routing from pit (acrylic/glass) - type 1 or 2



**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.

Figure 16: Plan view (glass) - type 1:

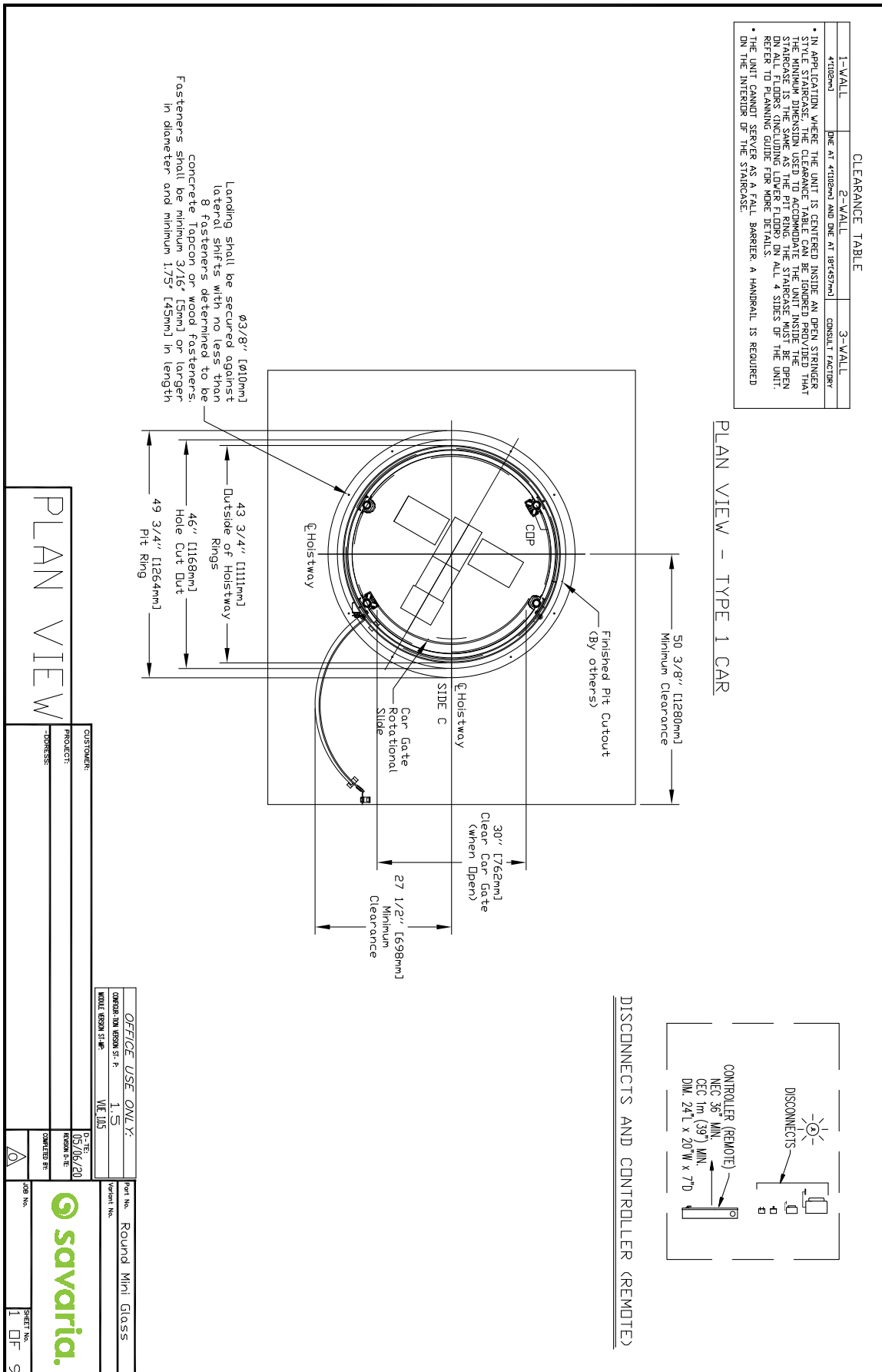


Figure 17: Plan view (glass) - type 2

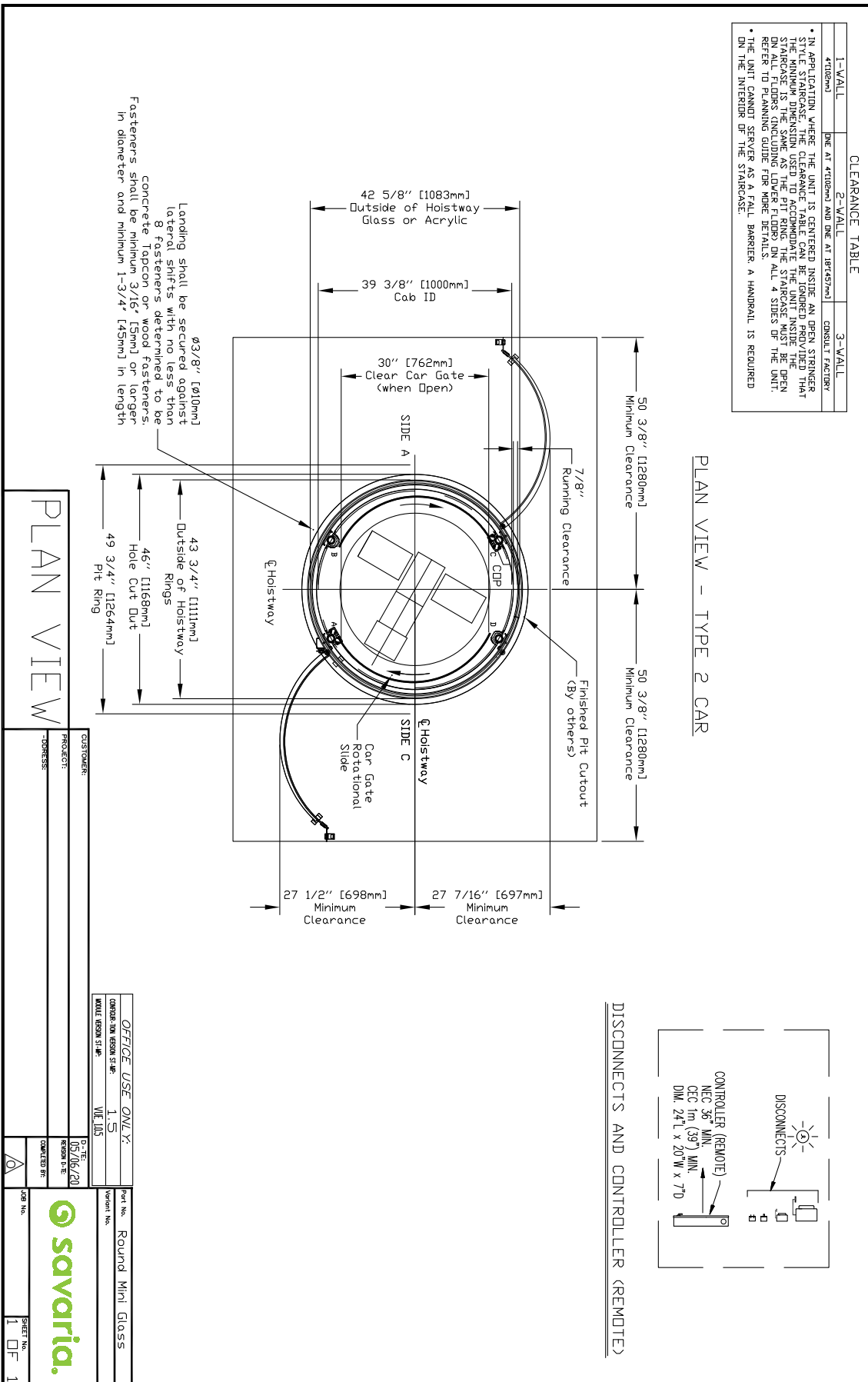
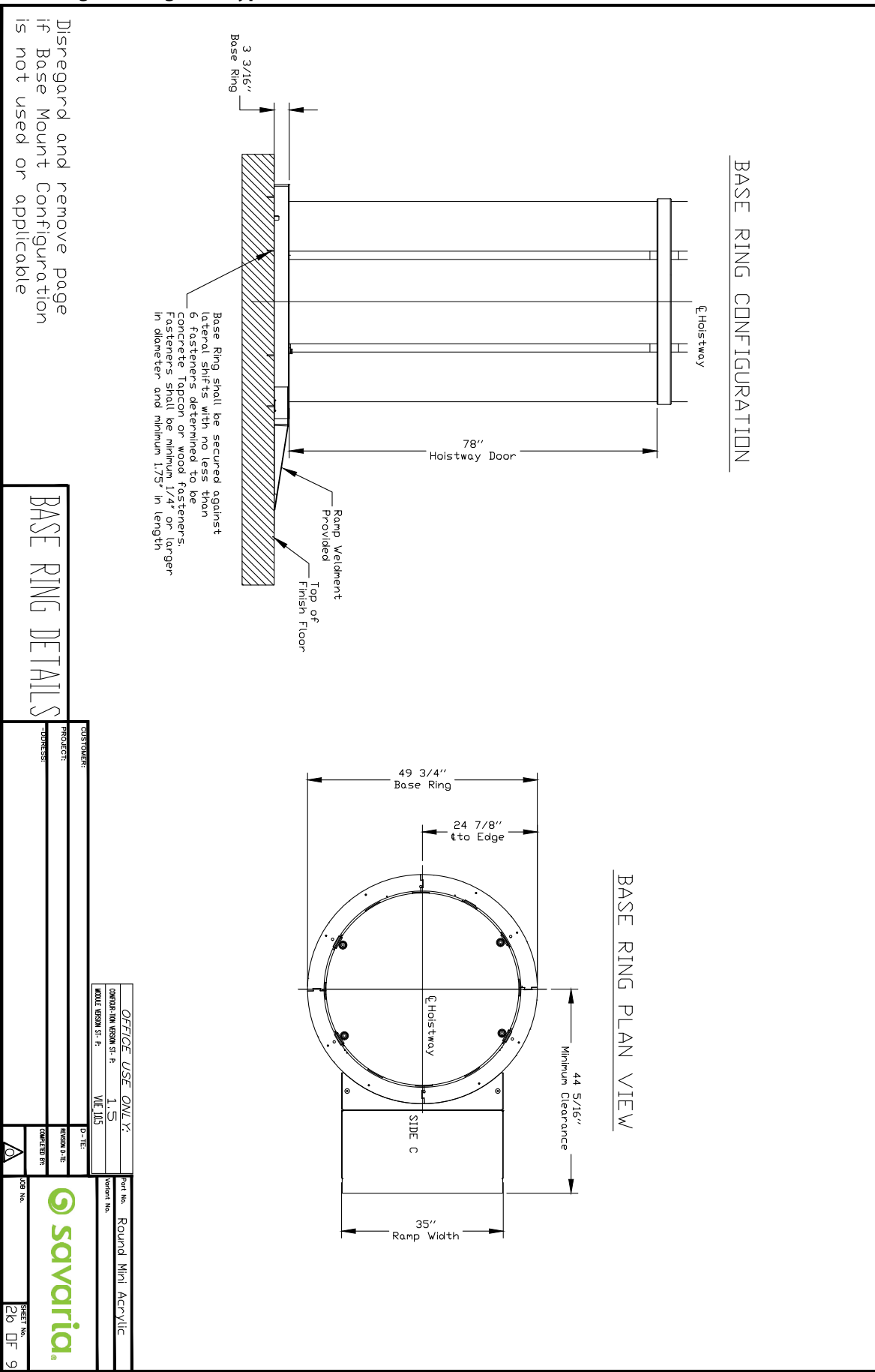




Figure 19: Base ring details (glass) - type 1 or 2



<b>BASE RING DETAILS</b>	
CUSTOMER:	PROJECT:
ADDRESS:	DATE:
OFFICE USE ONLY:	REVISION D.E:
CONTRACTOR: CONRADSON DESIGN ST. R	DATE: 1.5
MODEL DESIGN ST. R	VIEW: 115
DESIGNER:	DATE:
COMPLETED BY:	DATE:
Part No. Round Mini Acrylic	Sheet No. 26 of 9
<b>savarria</b>	



Figure 20: Thru floor view (glass) - type 1 or 2

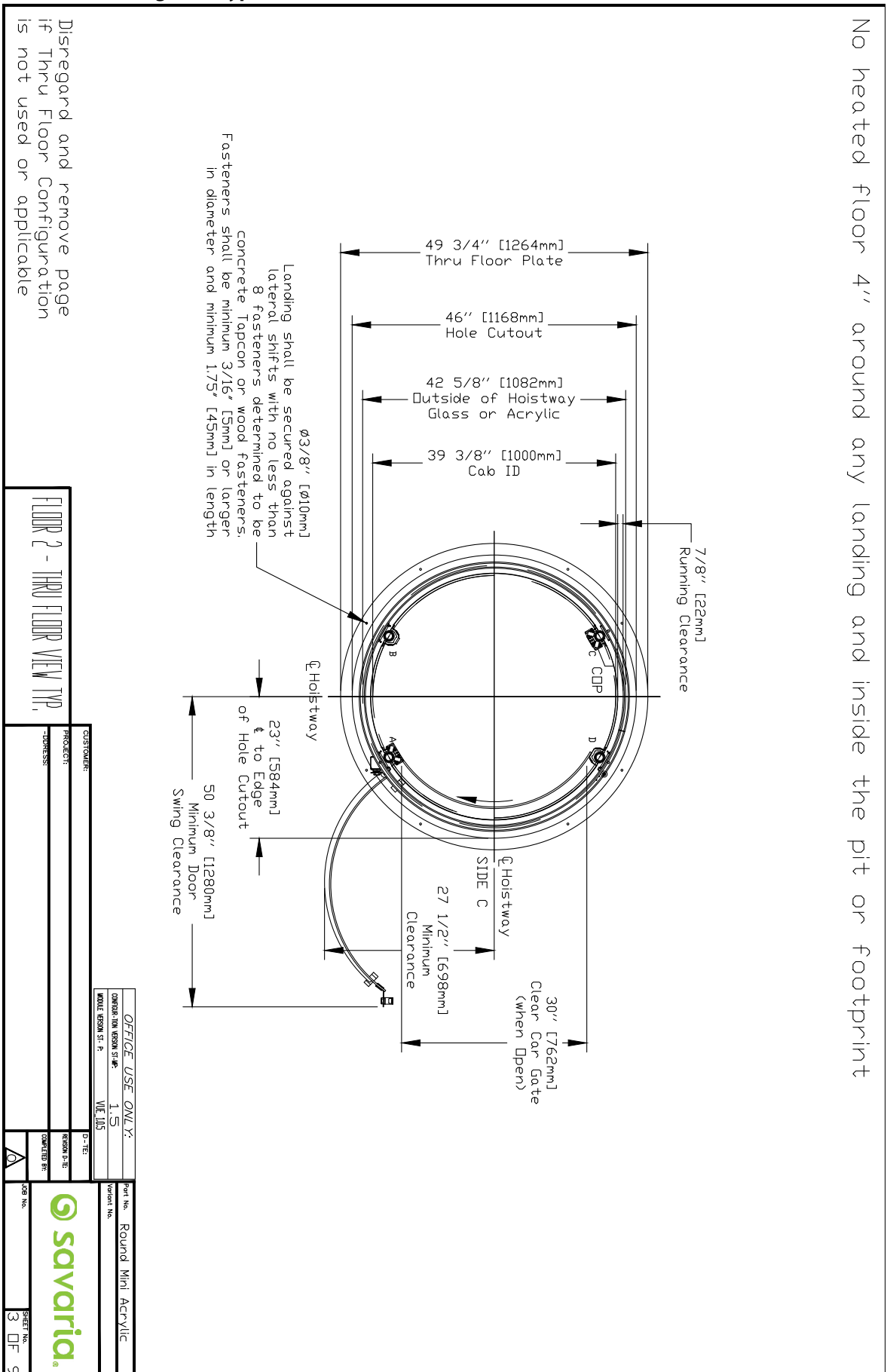
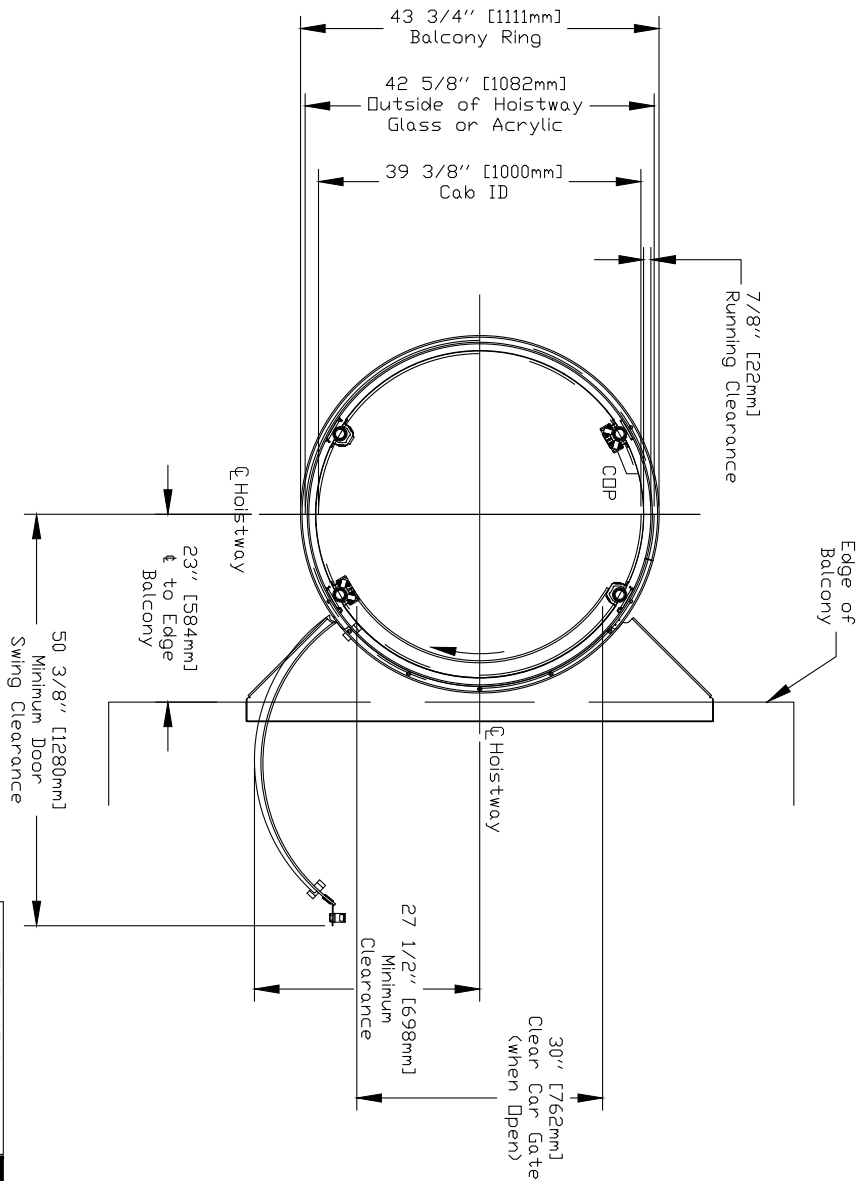


Figure 21: Balcony details (glass) - type 1 or 2

No heated floor 4" around any landing and inside the pit or footprint



Disregard and remove page if Balcony Configuration is not used or applicable

<b>FLOOR 3 - BALCONY VIEW TYP</b>	
<b>CUSTOMER:</b>	<b>PROJECT:</b>
<b>ADDRESS:</b>	<b>DATE:</b>
<b>OFFICE USE ONLY:</b>	<b>COMPLETED BY:</b>
<b>ORDER NO. RESON ST. R</b>	<b>DATE:</b>
<b>1.5</b>	<b>05/06/20</b>
<b>MODEL RESON ST. R</b>	<b>VIEW:</b>
<b>VUE.105</b>	
<b>Part No. Round Mini Glass</b>	<b>Sheet No. 4 OF 10</b>
<b>Vendor No.</b>	
<b>savaria®</b>	

Figure 22: Thru Floor (glass)- type 1 or 2

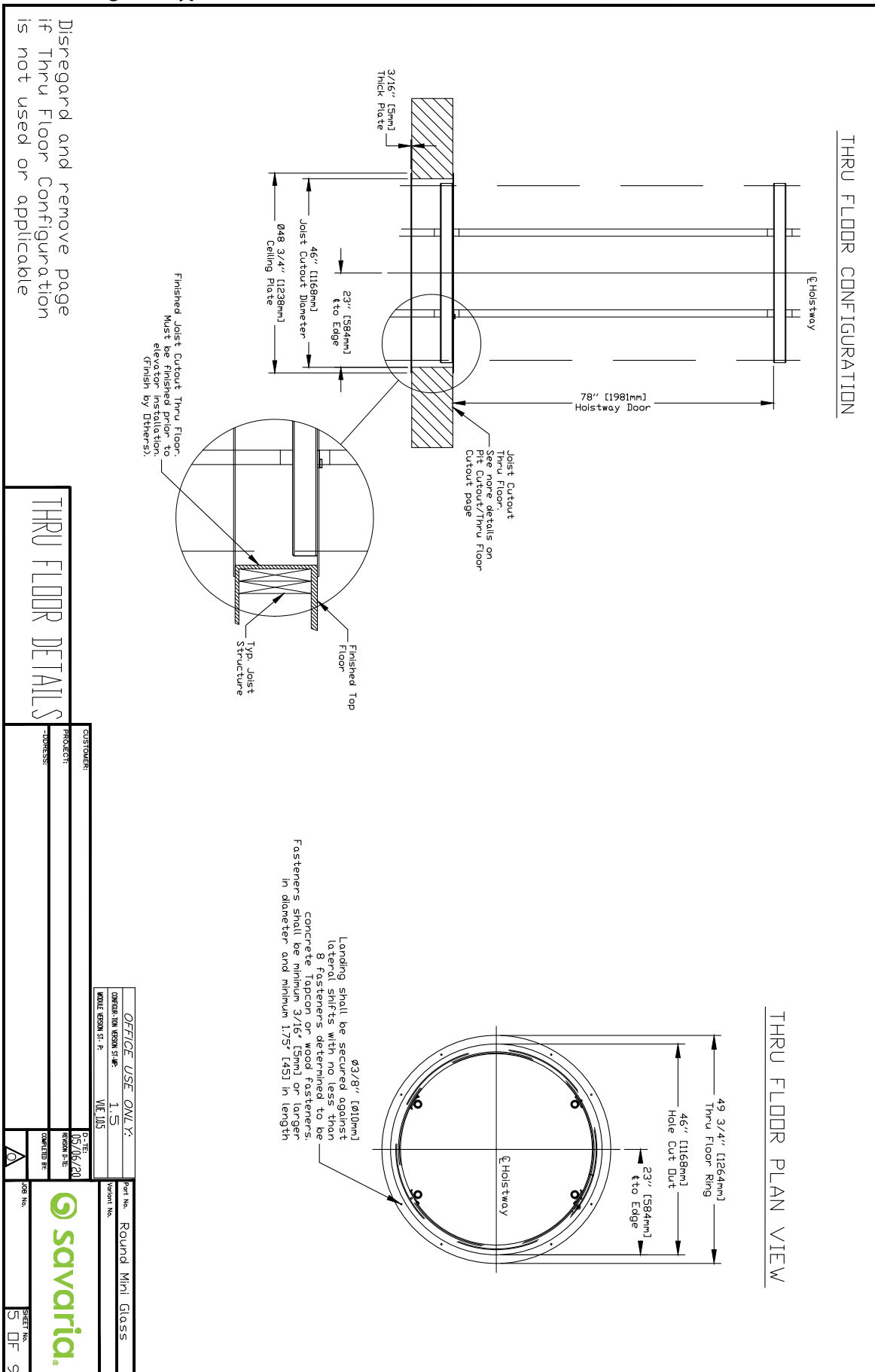
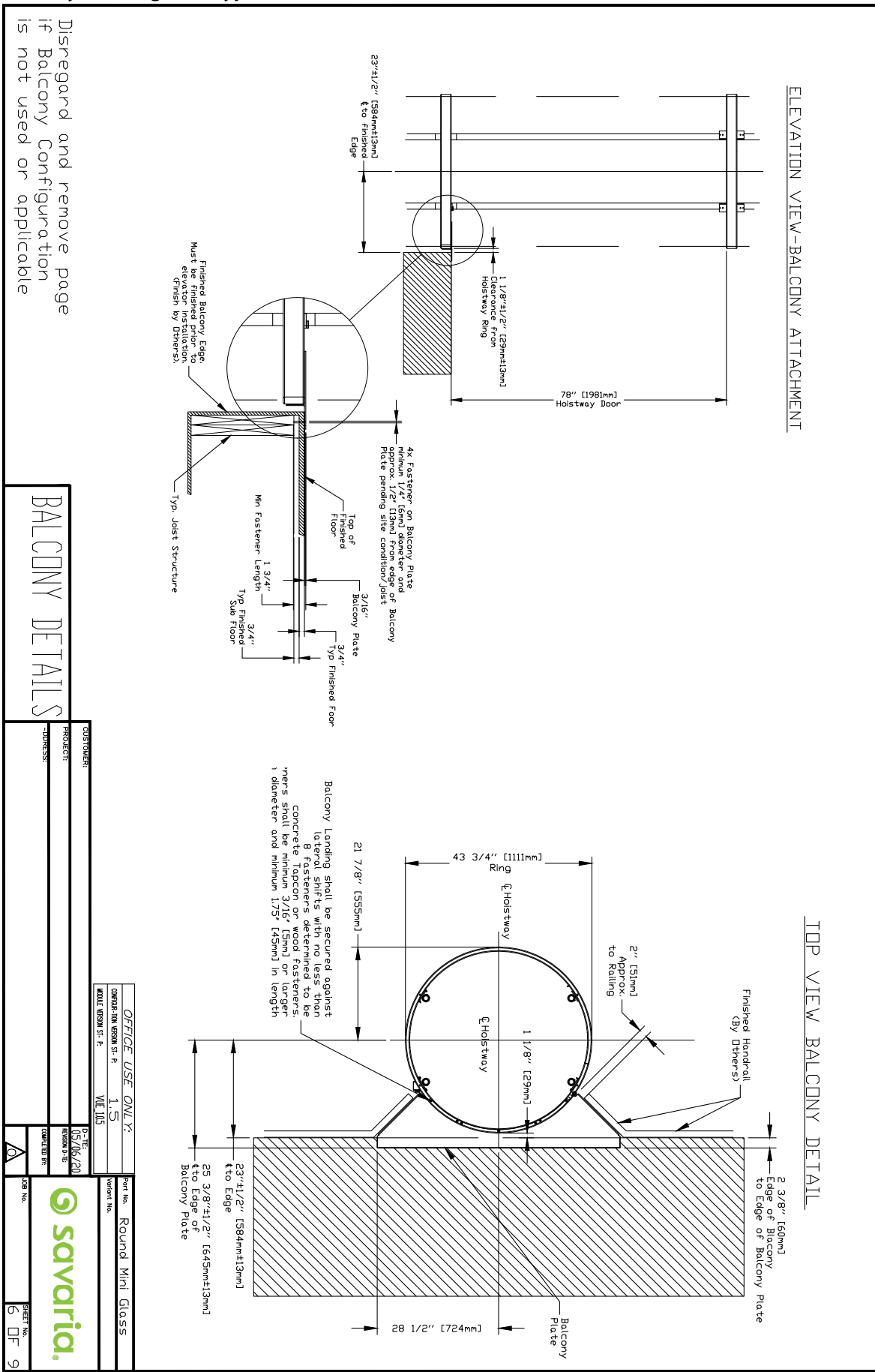


Figure 23: Balcony Details(glass) - type 1 or 2



Disregard and remove page if Balcony Configuration is not used or applicable

<b>BALCONY DETAILS</b>		CUSTOMER:	PROJECT:
		ADDRESS:	
OFFICE USE ONLY:		DATE:	DESIGNED BY:
OWNER: 300 WESUM ST. R	1.5	05/06/20	REVISION DATE:
MODEL: 2030A ST. R	VEE.115		COMPLETED BY:
Part No. Round Mini Glass		Sheet No.	6 OF 9
		Customer No.	
		Project No.	

Figure 24: Pit Cutout Details (glass) - type 1 or 2

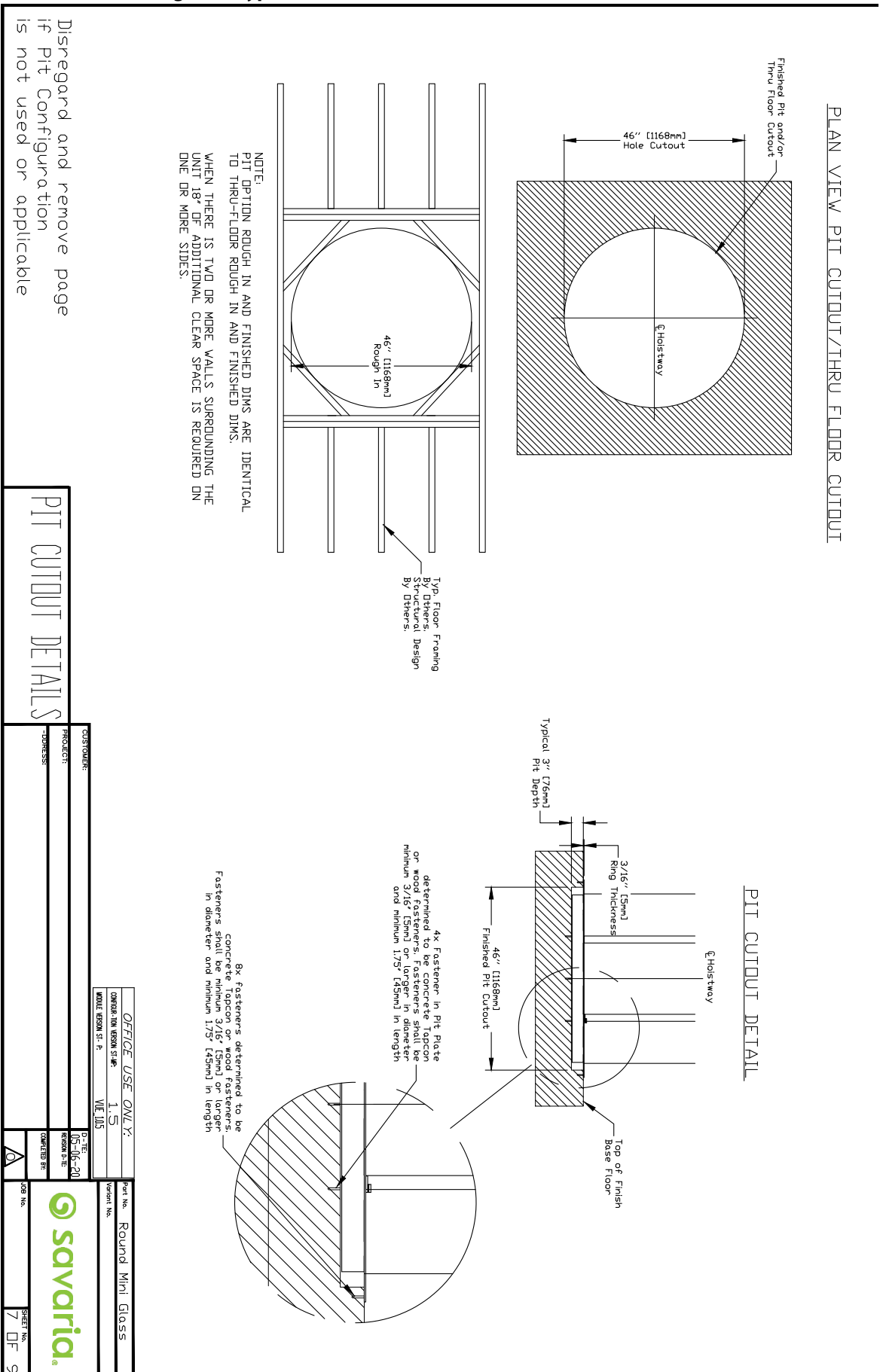
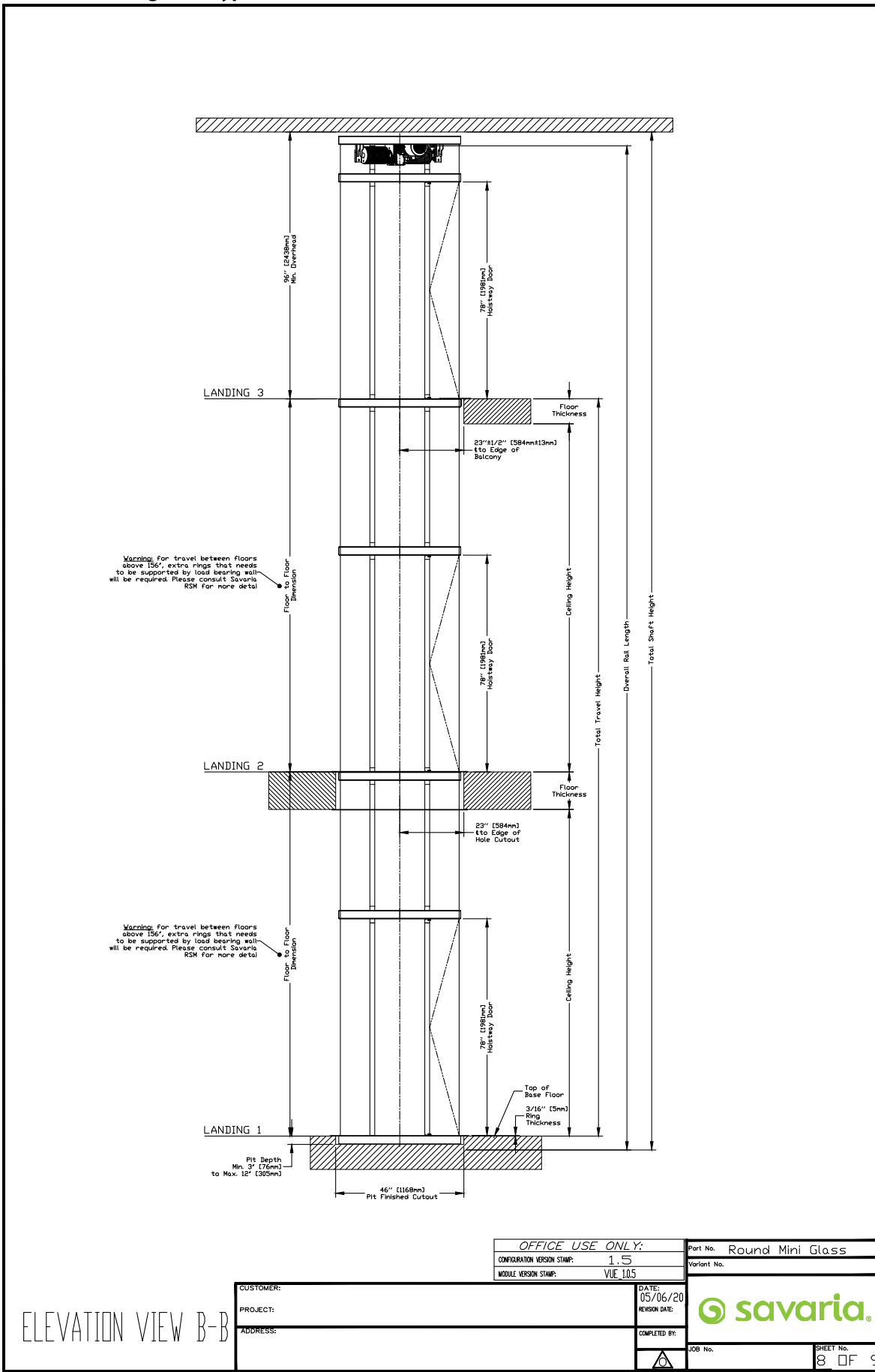


Figure 25: Elevation View (glass) - type 1 or 2



ELEVATION VIEW B-B

<b>OFFICE USE ONLY:</b>		Part No. Round Mini Glass
CONFIGURATION VERSION STAMP: 1.5	DATE: 05/06/20	Variant No.
MODULE VERSION STAMP: VUE_1.05	REVISION DATE:	
CUSTOMER:	COMPLETED BY:	
PROJECT:		
ADDRESS:		
JOB No.		SHEET No. 8 OF 8



Figure 26: Datasheet (glass) - type 1 or 2

## PROVISIONS BY OTHERS

**\*GENERAL**  
 CONSTRUCTION SITE DIVERGENT TO PROVIDE ALL MASONRY, CARPENTRY AND INSTALLATION OF UNIT.  
 DIMENSIONS, CONTRACTOR/CUSTOMER TO VERIFY ALL CLEARANCE DIMENSIONS PRIOR TO UNIT DELIVERY.

**\*STRUCTURAL**  
 CHECK SPACING AND PROVIDE TO ASSURE THAT BUILDING VULNERABILITY TO COLLAPSE UNDER IMPACT OF POWER UP ASSUMED BEING TO BE PROVIDED TO CONTROLLER PRIOR TO INSTALLATION.  
 ELECTRICAL GFCI OUTLET IN HOISTWAY PIT IF REQUIRED.  
 PERMANENT POWER BEFORE INSTALLATION CAN BEGIN. PERMANENT POWER MUST BE SUPPLIED.

**\*ELECTRICAL**  
 HANDBALLS: ALL BALCONY LEVELS REQUIRE HANDBALLS TO BE INSTALLED PER LOCAL CODES AFTER INSTALLATION IS COMPLETED. HANDBALLS TO BE INSTALLED PER LOCAL REQUIREMENTS FOR HANDBALLS IN HOISTWAY ON BALCONIES.

POWER SUPPLY SPECIFICATIONS:	DISCONNECT	LINE DELAY	VOLTS	PHASE	AMPERAGE
WIRE & EQUIP	30 AMPS	20 AMPS	230	SINGLE	14 AMPS
CAB LIGHTS	15 AMPS	15 AMPS	115	SINGLE	-
PIT (REQUIRED)	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. ENSURE THAT YOU HAVE A WIRELESS SIGNAL WITH INTERNET CAPABILITY IN THE VICINITY OF UNIT'S CONTROLLER.  
 2. SAVARIA LINK WITH ETHERNET. ENSURE CONNECTION WITH INTERNET CAPABILITY IN THE VICINITY OF UNIT'S CONTROLLER.  
 3. NO SAVARIA LINK. NO SPECIAL REQUIREMENT.

**GENERAL**  
 CLASSIFICATION: Residential Building  
 APPLIED CODE: ASME 1711-2013 SEC. 5.3  
 VALVES: Glass Cab  
 NUMBER OF FLOORS: 1  
 MODEL: Round Mini Glass  
 CAPACITY: 500lbs (227kg)  
 MINIMAL SPEED: 30 Fpm (0.15 m/s) UP AND DOWN  
 TOTAL TRAVEL: 39' 8.25" (12.11m)  
 CAB INTERNAL HEIGHT: 78" (1.98m)  
 CAB WEIGHT: 1000 lb (455 kg)  
 PIT DEPTH (OPTION): 60 Hz Single Phase 240 volt (60Hz)  
 CAB DOOR: Manual Rotating Sliding Door  
 SAFETIES: ASME A17.1 Sections 217.81 & 117.51  
 Mfg. Savaria P/N:280240

**SUSPENSION:**  
 WHITE ZINC COATED STEEL ROPE Ø6x133 (7x19)  
 CONSTRUCTION: 1WRC 7 x 19 RHRL  
 MINIMAL ROP LENGTH: 0.000 lbs (0.175 kg)  
 TRAVEL CABLE WT: 0.228 lbs/ft (33.99 g/cm)  
 DRIVE/TRAIN:  
 TYPE: Variable Drive  
 MOTOR: 2 HP (1.5 kW)  
 TRANSMISSION: Gearbox  
 MOTOR CONTROL: Pre-Programmed Variable Freq. Drive  
 DOOR INTERLOCKS: Xtronics EI0983-1901 certified in compliance with ASME A17.1 Sections 212.4.3 of Floor-s249 + 1885 Dead Load (lbs)  
 PIT/FLOOR LOAD: (n of Hoistway)4975 + (n of Floor-s413) + 855 Dead Load (kg)

*Based on this configuration:*  
 LOWER FLOOR DEAD LOAD: 3410 lbs (1547 kg)  
 LOWER FLOOR IMPACT LOAD: 250 lbs (113 kg)  
 MID FLOOR MAX. LATERAL LOAD: 250 lbs (113 kg)

\* SEE ELEVATION VIEW FOR ADDITIONAL HEAD RING TO SUPPORT EXTRA LONG FLOOR TO FLOOR OPTIONS:  
 BURK BIDDER: Required if input power supply is not 240 volt AC  
 BUFFER SPRING: if applicable for habitable space below, Min. pit 4"  
 CAR TOP INSPECTION:  
 CONDUCTOR CABLE: Distance between Head Frame and Control Room  
 CONSTRUCTION: Clear glass (STD)  
 HEAD RING FINISH: Clear glass (STD)  
 FACTORY CUT GLASS/ACRYLIC: Factory cut (STD)  
 FLOOR SWITCH: Manual or Hydraulics Landing Doors  
 LANDING DOOR HANDLE: Stainless Steel (Standard)  
 LANDING DOOR CLOSER: Ship Cab Assembled (STD)

**FIRST DOOR BY LANDING CHART**

DOOR TYPE	LANDING 1	LANDING 2	LANDING 3
ENTRANCE SIDE	Swing	Swing	Swing
DOOR SWING	LH or RH Swing	LH or RH Swing	LH or RH Swing
HEAD CALL KEY SWITCH	X	X	X
FLOOR MARKING	NO	NO	NO
LANDING CONFIGURATION	1	2	3
	PIT or RAMP	Incl-Floor, Balcony	Balcony Show

**ENTRANCE SIDE LEGEND**

**WARNING: LOAD VALUE ONLY FOR GLASS MODEL. REFER TO AFRVIC TEMPLATE FOR AFRVIC VALUES**

**DATA SHEET**

CUSTOMER:	PROJECT:
ADDRESS:	COMPLETION DATE:
OFFICE USE ONLY:	DATE: 05/16/20
COMPLETION REGION SHIP:	COMPLETED BY:
MODEL REGION SHIP:	DOB No.:
VOLTS:	REF No.:
Part No.:	9 OF 9
Round Mini Glass	

Figure 27: Corner installation view (acrylic/glass) - type 1

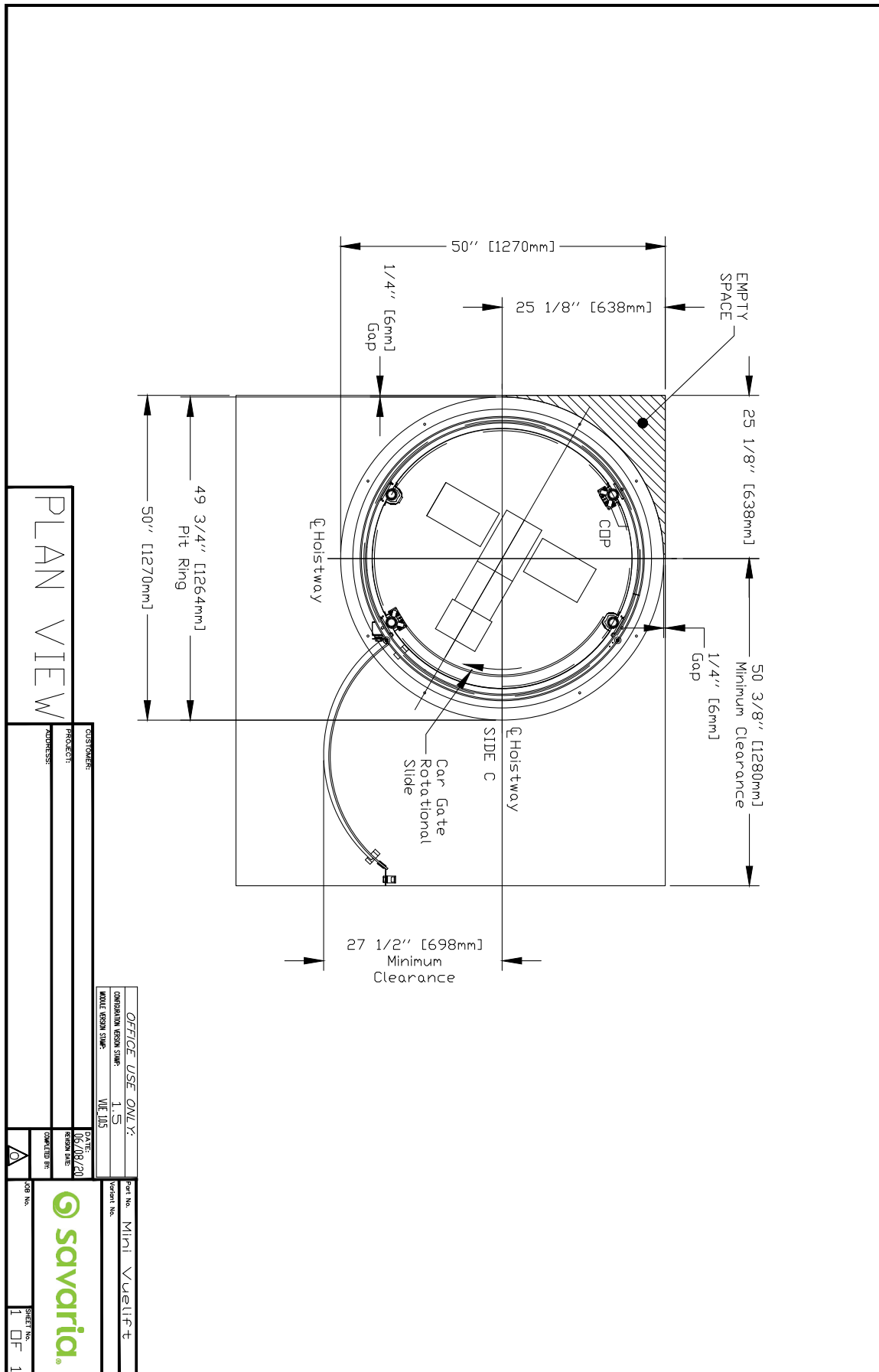




Figure 28 Machine room layout and wire routing (glass) - type 1 or 2

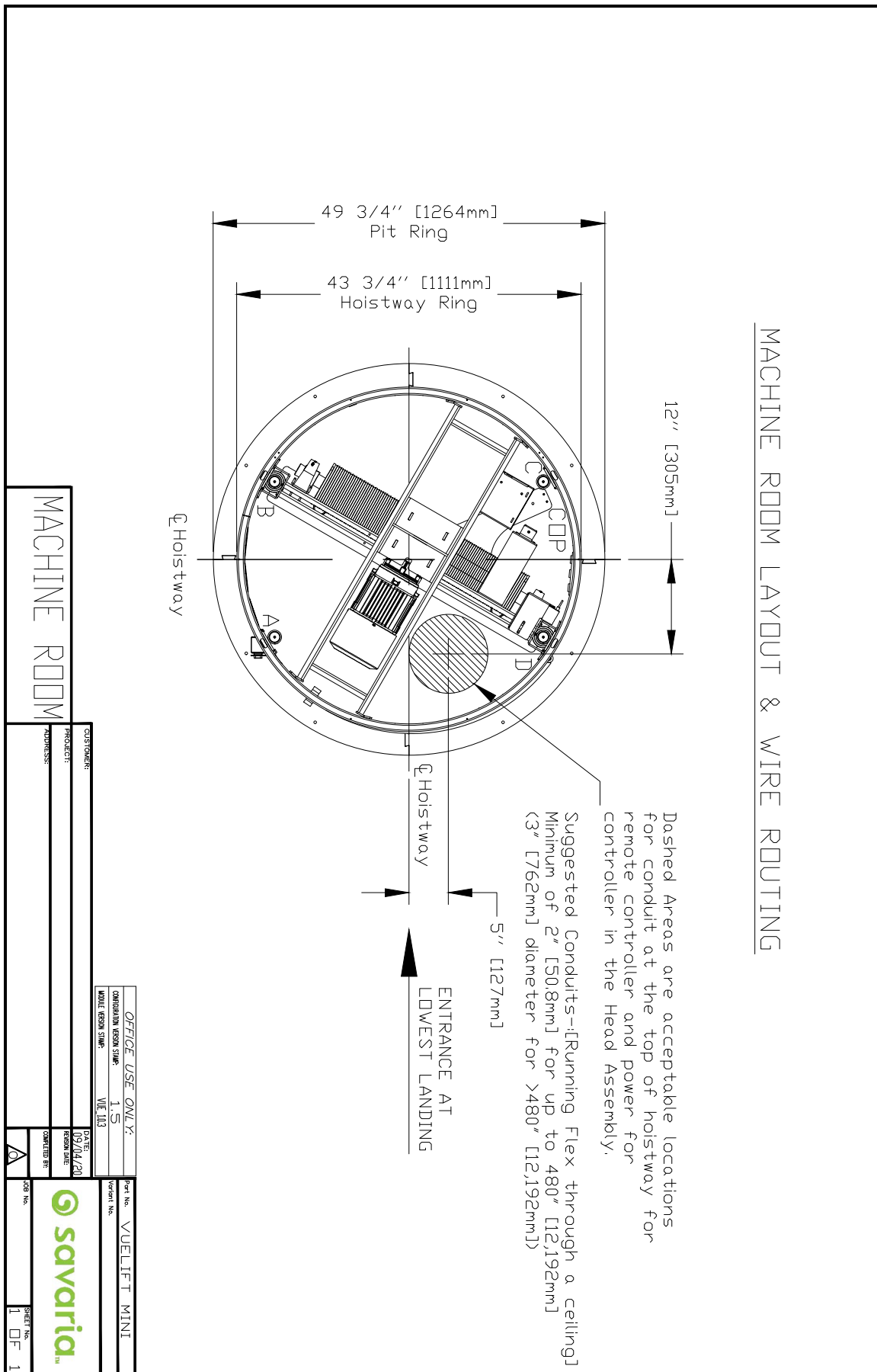
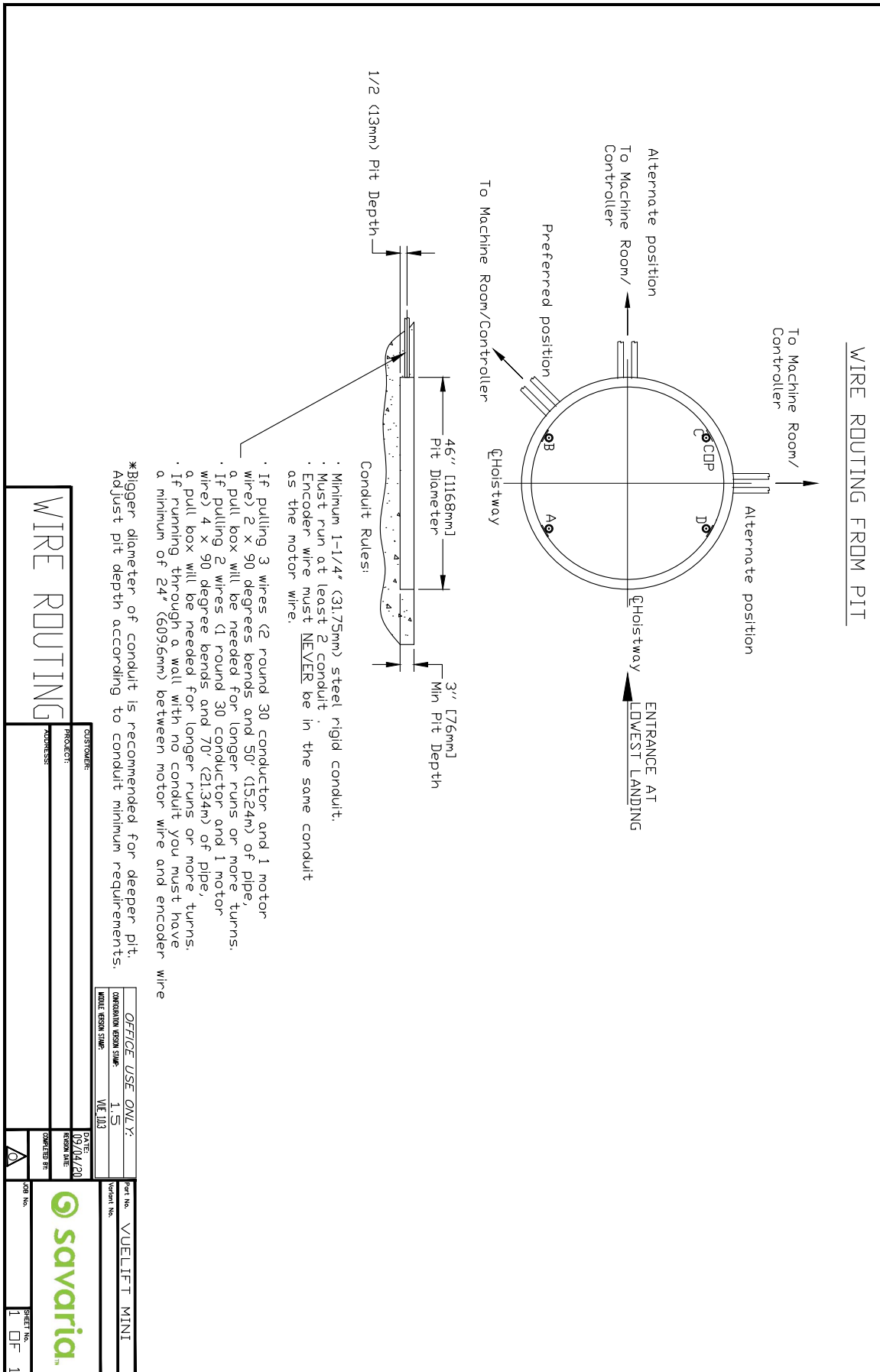
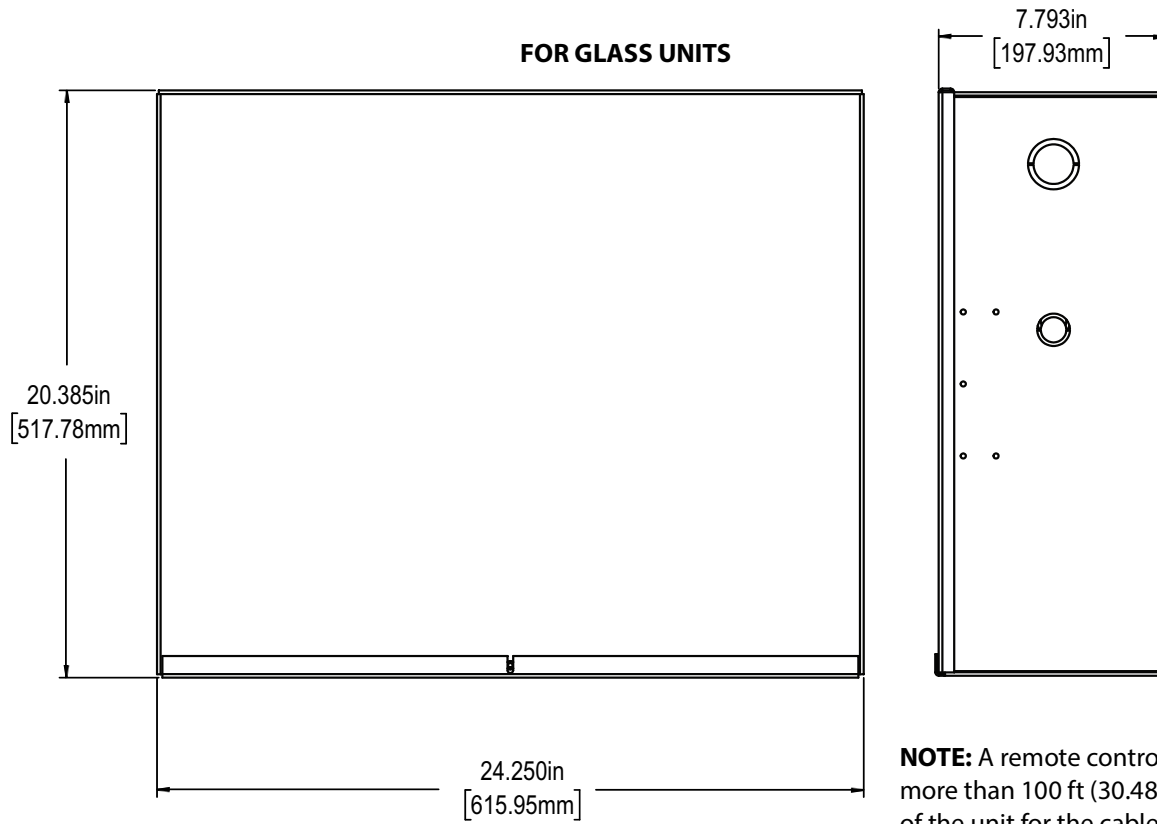


Figure 29 Wire routing from pit (glass) - type 1 or 2



**Figure 30** Controller box dimensions (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  
Rev. 24-m03-2023

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