



Vuelift®

Residential
Elevator

Planning
Guide

For North America
and European Units

 **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 front cover of this Planning Guide. 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** for the most current Vuelift drawings and dimensions.

Purpose of This Guide

This guide assists architects, contractors, and lift professionals to incorporate the Vuelift Residential Elevator into a residential design. The design and manufacture of the Vuelift 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
- EN 81-41:2010 Special lifts for the transport of persons and goods
- 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 Vuelift 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

December 4, 2017 - Initial release
 December 14, 2017 - Added Electrical Requirements section on page 9 (round) and page 25 (octagonal)
 January 31, 2018 - Added drawings for Type 2, Octagonal, Glass on pages 38 to 43
 March 8, 2018 - Revised Noise Level spec in Specifications tables on pages 6 to 22
 March 23, 2018 - Added dimensions for controller box and UPS on pages 21 and 45
 March 29, 2018 - Revised drawing on page 42
 May 7, 2018 - Added wheelchair plan views on pages 21 and 46
 May 14, 2018 - Added notes to wheelchair plan views on pages 21 and 46
 May 16, 2018 - Added note on pages 22 and 47 stating that a remote controller cannot be more than 50 feet away from the top of the unit in order for the cable to reach
 June 7, 2018 - New front cover
 December 7, 2018 - Revised drawing on page 46
 December 19, 2018 - Added new Chapter 3 for Round Glass Large (RGL) and Octagonal Glass Large (OGL) elevators; All drawings revised to latest version
 January 2, 2019 - Revised drawings to latest version
 January 14, 2019 - Drawing added to show location of extra header rings for floor-to-floor height >14 (as needed) on pages 20, 40, 48, 55, 75 and 83
 March 26, 2019 - Added remote controller drawings on pages 24, 59 and 86
 March 27, 2019 - Added info for electrical outlet on pages 10, 11, 12, 29, 30, 31, 64, 65 and 66
 May 9, 2019 - Revised drawings on pages 20, 40, 48, 55, 75 and 83
 May 22, 2019 - Added balcony and handrail information on pages 18, 39, 48, 57, 77 and 86
 May 29, 2019 - Added Model Specification sheets on pages 15, 37, 47, 77 and 87
 June 5, 2019 - Revised drawings on pages 53, 83, and 93
 October 16, 2019 - Revised drawings to latest version
 October 28, 2019 - Revised drawings to latest version
 January 8, 2020 - Revised drawings to latest version
 January 9, 2020 - Added note to temperature spec on pages 7, 27, and 66
 January 17, 2020 - Added Savaria Link option to specs on pages 8, 28 and 67 and to provisions by others on pages 11, 31 and 70
 March 16, 2020 - Revised specs on pages 8, 28 and 67; Removed 3 & 5 rule from pages 9, 29 and 68; Revised info on pages 12, 32 and 71; Revised controller drawing on pages 25, 64 and 95
 March 19, 2020 - Revised specs on page 67
 March 23, 2020 - Revised footprint spec on page 66
 April 8, 2020 - Revised safety factor on pages 13, 34, 35, 75 and 76; Added new drawings on pages 25, 47, 66, 88 and 99; Removed window from controller box drawings on pages 26, 67 and 100
 June 17, 2020 - Added 2019 code to table on page 2; Added new spec "floor by others (in cab)" to specs tables on pages 7, 28, and 69
 September 9, 2020 - Revised drawings and other various updates throughout
 November 10, 2020 - Revised drawings throughout
 September 16, 2021 - Updated calculations
 June 20, 2022 - Updates to schematics and measurements
 October 3, 2022 - Revised cover page, updated code requirements, revised drawings for pages 17-19, 31, 43-45, 58-60, 72, 83-84, 97, 108-110, 122

Table of Contents

Chapter 1: Round Acrylic (RAM)	6
Specifications - Round Acrylic (RAM)	7
Safety First - Round Acrylic (RAM)	9
3/4 & 4 Rule (Code 2016 and After)	9
Electrical Requirements - Round Acrylic (RAM)	10
Recommended Manufacturers for Fused Disconnect	10
Provisions By Others - Round Acrylic (RAM)	11
General	11
Dimensions	11
Structural	11
Electrical	11
Entrances	11
Savaria Link Option (Vuelift Micro-6 Only)	11
Site Preparation - Round Acrylic (RAM)	12
Finished Floors	12
230V Power (with Switched Disconnect)	12
110V Power (with Switched Disconnect) - 2 are required	12
Telephone Works	12
Floor Built for Load	12
Floor and Pit Cutouts Complete	12
Check Floor to Floor Maximum and Minimum Distances	12
Drywall and Painting	12
Load Calculations - Round Acrylic (RAM)	13
Drawings - Round Acrylic (RAM)	14
Chapter 2: Octagonal Acrylic (OAM) & Octagonal Glass (OGM)	31
Specifications - Octagonal Acrylic & Octagonal Glass (OAM & OGM)	32
Safety First - Octagonal Acrylic & Octagonal Glass (OAM & OGM)	34
3/4 & 4 Rule (Code 2016 and After)	34
Electrical Requirements - Octagonal Acrylic & Octagonal Glass (OAM & OGM)	35
Recommended Manufacturers for Fused Disconnect	35
Provisions By Others - Octagonal Acrylic & Octagonal Glass (OAM & OGM)	36
General	36
Dimensions	36
Structural	36
Electrical 3	6
Entrances	36
Savaria Link Option (Vuelift Micro-6 Only)	36
Site Preparation - Octagonal Acrylic & Octagonal Glass (OAM & OGM)	37
Finished Floors	37
230V Power (with Switched Disconnect)	37
110V Power (with Switched Disconnect) - 2 are required	37
Telephone Works	37
Floor Built for Load	37
Floor and Pit Cutouts Complete	37
Check Floor to Floor Maximum and Minimum Distances	37
Drywall and Painting	37
Load Calculations - Octagonal Acrylic (OAM)	38
Load Calculations - Octagonal Glass (OGM)	39
Drawings - Octagonal Acrylic & Octagonal Glass (OAM & OGM)	40
Octagonal Acrylic (OAM)	40

Octagonal Glass (OGM)	40
Controller box dimensions	40
Chapter 3: Round+ Glass (RGL).....	72
Specifications - Round+ Glass & (RGL)	73
Safety First - Round+ Glass (RGL)	76
3/4 & 4 Rule (Code 2016 and After)	76
Electrical Requirements - Round+ Glass (RGL)	77
Recommended Manufacturers for Fused Disconnect	77
Provisions By Others - Round+ Glass (RGL)	78
General	78
Dimensions	78
Structural	78
Electrical	78
Entrances	78
Savaria Link Option (Vuelift Micro-6 Only)	78
Site Preparation - Round+ Glass (RGL)	79
Finished Floors	79
230V Power (with Switched Disconnect)	79
110V Power (with Switched Disconnect) - 2 are required	79
Telephone Works	79
Floor Built for Load	79
Floor and Pit Cutouts Complete	79
Check Floor to Floor Maximum and Minimum Distances	79
Drywall and Painting	79
Load Calculations - Round+ Glass (RGL)	80
Drawings - Round+ Glass (RGL)	81
Round+ Glass (RGL)	81
Controller box dimensions	81
Chapter: Octagonal+ Glass (OGL)	98
Specifications - Octagonal+ Glass (OGL)	99
Safety First - Octagonal+ Glass (OGL)	101
3/4 & 4 Rule (Code 2016 and After)	101
Electrical Requirements - Octagonal+ Glass (OGL)	102
Recommended Manufacturers for Fused Disconnect	102
Provisions By Others - Octagonal+ Glass (OGL)	103
General	103
Dimensions	103
Structural	103
Electrical	103
Entrances	103
Savaria Link Option (Vuelift Micro-6 Only)	103
Site Preparation - Octagonal+ Glass (OGL)	104
Finished Floors	104
230V Power (with Switched Disconnect)	104
110V Power (with Switched Disconnect) - 2 are required	104
Telephone Works	104
Floor Built for Load	104
Floor and Pit Cutouts Complete	104
Check Floor to Floor Maximum and Minimum Distances	104
Drywall and Painting	104
Load Calculations - Octagonal+ Glass (OGL)	105
Drawings - Octagonal+ Glass (OGL)	106
Octagonal+ Glass (OGL)	106

Controller box dimensions106

Chapter 1: Round Acrylic (RAM)



Specifications - Round Acrylic (RAM)

Specification	Specification Data
Load capacity	840 lb (381 kg)
Maximum travel	50 ft (15.24 m); 55 ft (16.76 m) where a variance is possible
Travel speed	32 ft/min (0.16 m/s)
Noise level (for typical installation)	65 dB
Daily cycle	Normal: 40 Heavy: 80 Excessive: 150 Maximum starts in 1 hour on standard installation: 20 NOTE: Please consult your Sales Representative if there's a chance you may exceed these amounts.
Maximum levels serviced	6
Minimum overhead	108" (2743mm) for 84" (2133mm) cab 104" (2641mm) for 80" (2032mm) cab 96" (2438mm) for 76.5" (1943mm) cab
Cab	Cab walls: Full clear acrylic Cab interior height (standard): 84 in (2.13 m) Cab interior height (optional): 80in (2.03 m) Cab interior height: 76.5in (1.94 m) Cab weight: 650 lb (295 kg) Cab floor area: 13 sq ft (1.3 sq m)
Floor by others (in cab)	3/4" (19 mm) maximum
Footprint	54" (1.37 m) diameter
Power supply	30A, 230-V, single-phase, 50/60 Hz
Cab lighting	15A, 115V, single-phase, 50/60 Hz
Suspension	Type: Galvanized aircraft cable (2 x 3/8" diameter) Construction: IWRC 7 x 19 RHRL Nominal strength: 14,400 lb (6,545 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: 5.0HP (3.5 KW) with integrated brake Transmission: Low vibration, worm gear drive Motor control: Preprogrammed variable frequency drive Door interlocks: Xtronics
Pit/floor load	Refer to the section "Load Calculations"
Distance between 2 landings	93.5" (2375 mm) minimum
Pit depth	4" - 12" (102 mm - 305 mm) No pit with optional short ramp
Temperature operating range (environment)	- 10°C to + 40°C / 14°F to 104°F NOTE: 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 Electrical circuit overspeed Manual lowering Emergency battery back-up for cab lighting and lowering
Options	Optional configurations: Type 2, 3R, 6 Optional colors: • White (Texture White PX521W859) • Silver (Texture Silver PX521S343) • Custom powder-coat frame Note that Black is the standard color (Texture Black PX622N365) Other options: Up to 6 stops, balcony attachment Savaria Link remote monitoring (Vuelift Micro-6 only) Landing door handle painted to match unit Top header ring in sheet metal painted to match unit

Safety First - Round Acrylic (RAM)

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 (see drawing on next page):

- 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 Residential Elevator design is with a maximum 1.25" (32 mm) running clearance.

Electrical Requirements - Round Acrylic (RAM)

Your electrician and phone installer must supply the following connections:

- Main Disconnect - One 230V single-phase, 30 Amp fused disconnect box with 30 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.

Recommended Manufacturers for Fused Disconnect

Square D

- Main disconnect: 230V single-phase disconnect model # H221N.
240V, 30 Amp with Interlock Kit - ELK031 Aux Contacts (normally opened/normally closed).
In addition, two each - 250V, 30 Amp, RK5 fuses.
- Lighting disconnect: 120V, 15 Amp fused disconnect or circuit breaker.

Siemens

- Main disconnect: 230V single-phase disconnect model #HF221N.
240V, 30 Amp with Interlock Kit-HA 161234 Aux Contacts (normally opened/normally closed).
In addition, two each - 250V, 30 Amp, RK5 fuses.
- Lighting disconnect: 120V, 15 Amp fused disconnect or circuit breaker.

G.E.

- Main disconnect: 230V single-phase disconnect model # TH3221.
240V, 30 Amp with Interlock Kit - THAUX21D Aux Contacts (normally opened/normally closed).
In addition, two each - 250V, 30 Amp, RK5 fuses.
- Lighting disconnect - 120V, 15 Amp fused disconnect or circuit breaker.

Cutler Hammer

- Main disconnect: 230V single-phase disconnect model # DH221NGK.
240V, 30 Amp with Interlock Kit - THAUX21D Aux Contacts (normally opened/normally closed).
In addition, two each - 250V, 30 Amp, RK5 fuses.
- Lighting disconnect: 120V, 15 Amp fused disconnect or circuit breaker.

Recommended manufacturers for circuit breakers at the distribution panel (and the distribution panel itself): Square D or Siemens only.

Provisions By Others - Round Acrylic (RAM)

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	30 Amps	230 Volts	Single
Cab lights	15 Amps	15 Amps	115 Volts	Single
Pit light	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.

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.

Savaria Link Option (Vuelift Micro-6 Only)

If you have the Savaria Link Ethernet remote monitoring option, ensure that you have an Ethernet connection with Internet capability in the vicinity of the unit's controller.

If you have the Savaria Link Wireless remote monitoring option, ensure that you have a wireless signal with Internet capability in the vicinity of the unit's controller.

Site Preparation - Round Acrylic (RAM)

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 4" must be provided. 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

- 108" (2743mm) for 84" (2133mm) cab minimum overhead distance from upper floor level to the underside of the finished ceiling for standard cab configuration. (standard)
- 104" (2641 mm) for 80" (2032 mm) cab minimum overhead distance from upper floor level to the underside of the finished ceiling for modified short cab configuration. (optional)
- 96" (2438 mm) for 76.5" (1943 mm) cab minimum overhead distance from upper floor level to the underside of the finished ceiling for silica glass model. (short)

Drywall and Painting

- All drywall and painting must be complete.

Load Calculations - Round Acrylic (RAM)

- 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 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 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 250 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.

Lower Floor Dead Load (lbs) = (45 x feet of hoistway) + (250 x number of floors) + 2210 lbs

Lower Floor Dead Load (Kg) = (67 x meter of hoistway) + (113 x number of floors) + 1002 Kg

Lower Floor Impact Load (lbs) = 4452 lbs (2019 Kg)

Lower Floor Total Load (lbf) = Dead Load + Impact Load

Mid Floor Load (lbf) = 250 lbs (113kg)

Shipping Weight (lb) = (694 x number of floors) + 1720

Note: Shipping weight includes the actual component weights for all parts, plus shipping crate and packaging weight.

Drawings - Round Acrylic (RAM)

- Plan view
- Pit view
- Base mount details
- Thru-floor view
- Balcony view
- Balcony plate and handrail information
- Thru-floor details
- Balcony details
- Elevation view
- Elevation view (showing extra header rings for floor-to-floor height >14 ft)
- Pit cutout detail
- Datasheet
- Machine room layout and wire routing
- Controller box dimensions

Model Specifications - Round

Round (Acrylic)

- Capacity: 381kg (840 lb) 1.3
- Cab Size: sqm (13 sq. ft.)
- Clear Cab Size: 1298mm (51 in.)
- Cab Height: 2134mm (84 in.)
- Hoistway Footprint
 - Acrylic: 1372mm (54 in.)
 - Pit/Thru Floor Cutout: 1422mm (56 in.)
 - Balcony/Header Ring: 1473mm (58 in.)
 - Pit/Thru Floor Ring: 1575mm (62 in.)
- Minimum Overhead Clearance: 2743mm (108 in.)
for 2133 mm (84 in.) cab
- Minimum Overhead Clearance: 2641mm (104 in.)
for 2032 mm (80 in.) cab

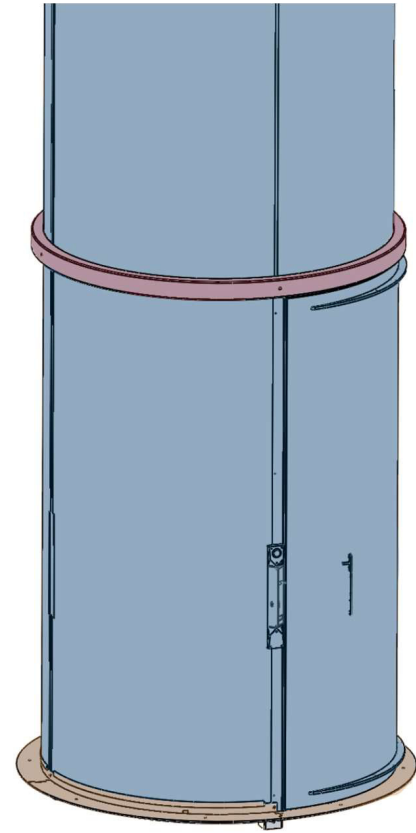
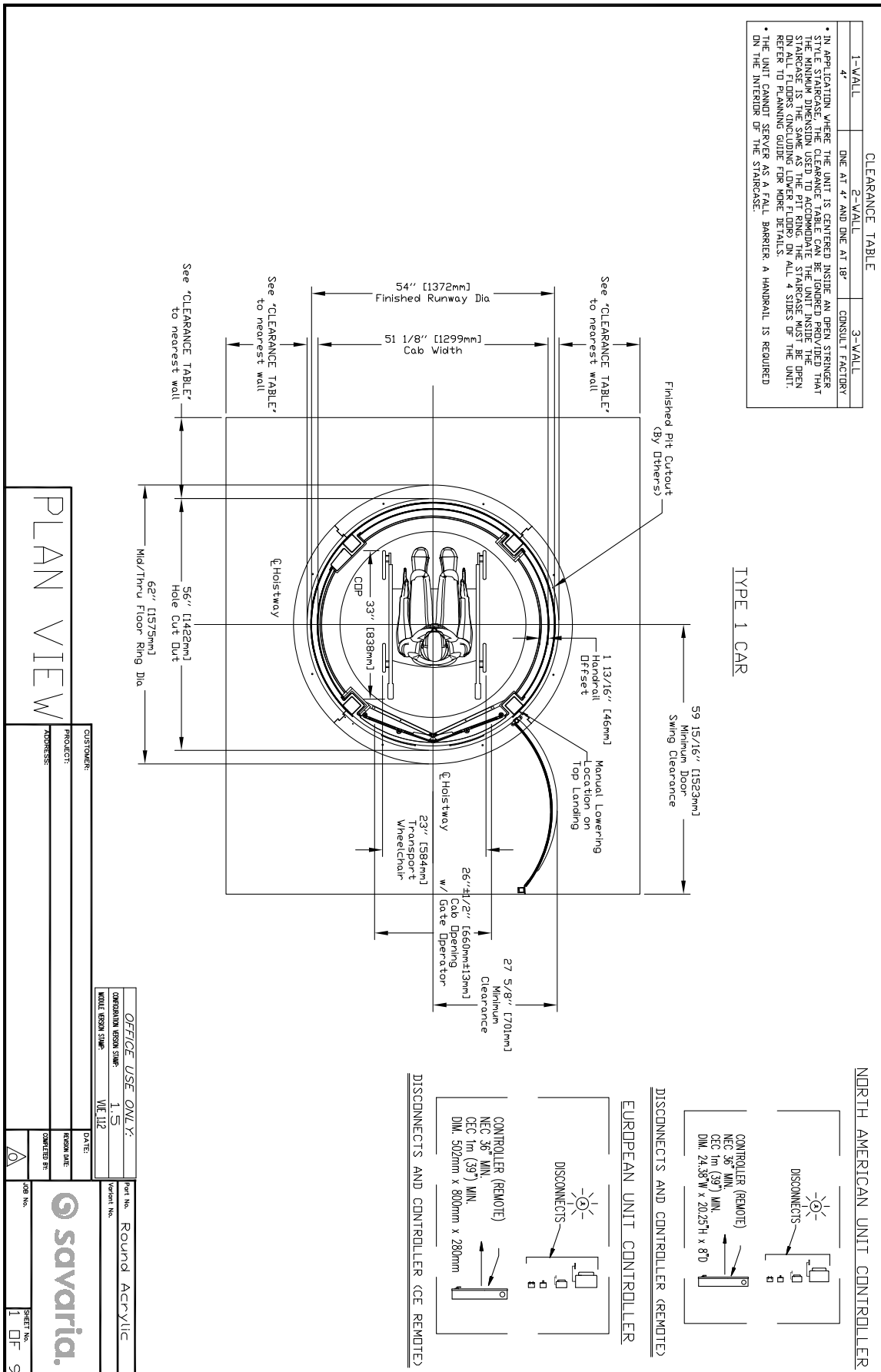


Figure 1: Plan view - round acrylic (RAM) type 1



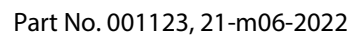
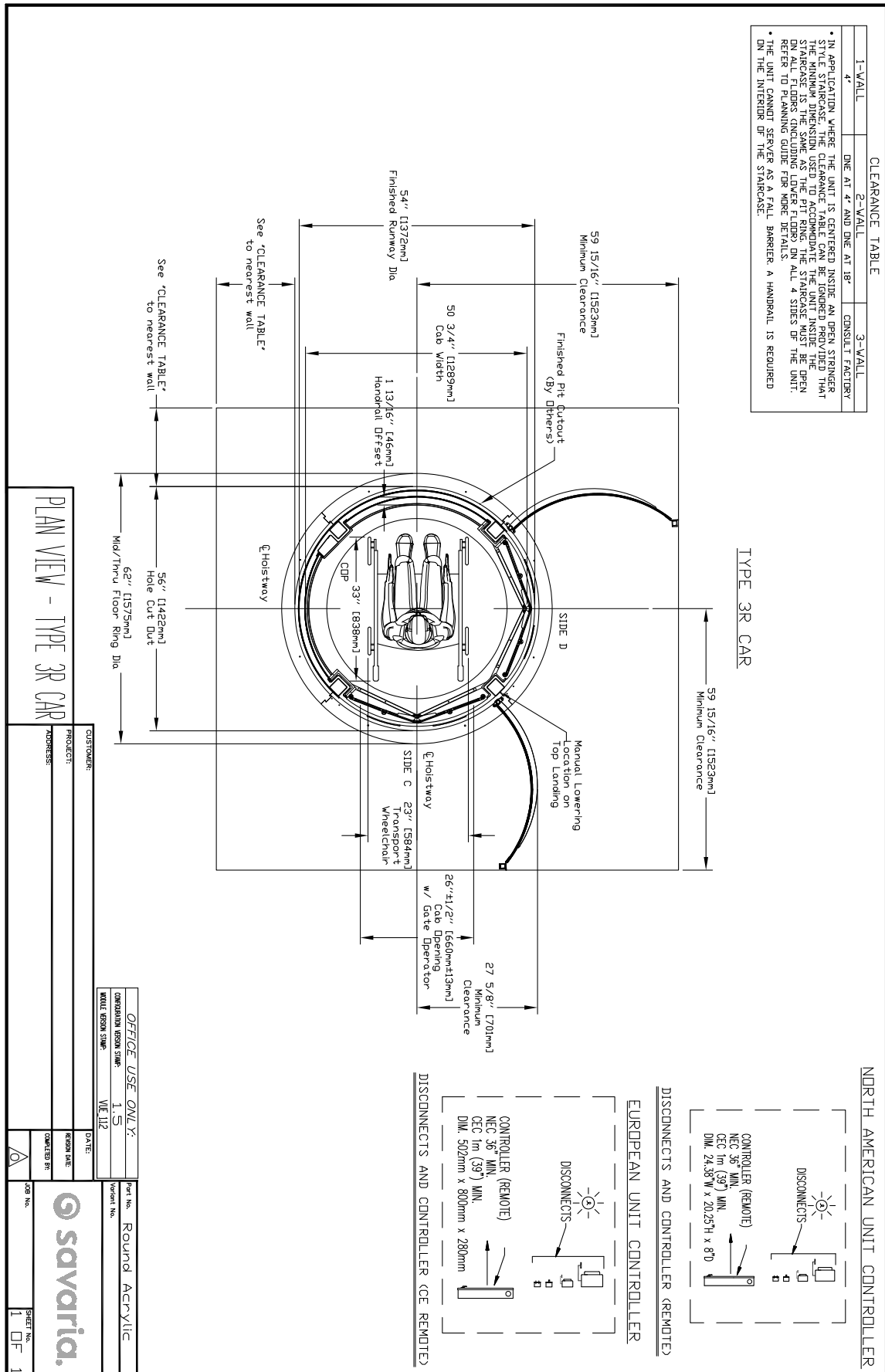
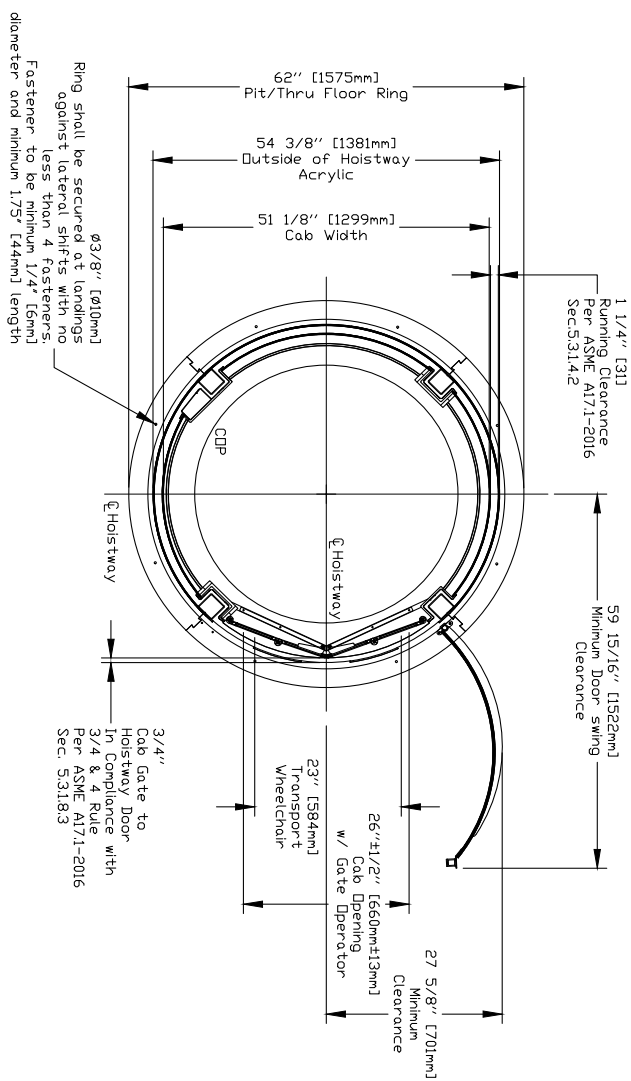


Figure 3: Plan view - round acrylic (RAM) type 3



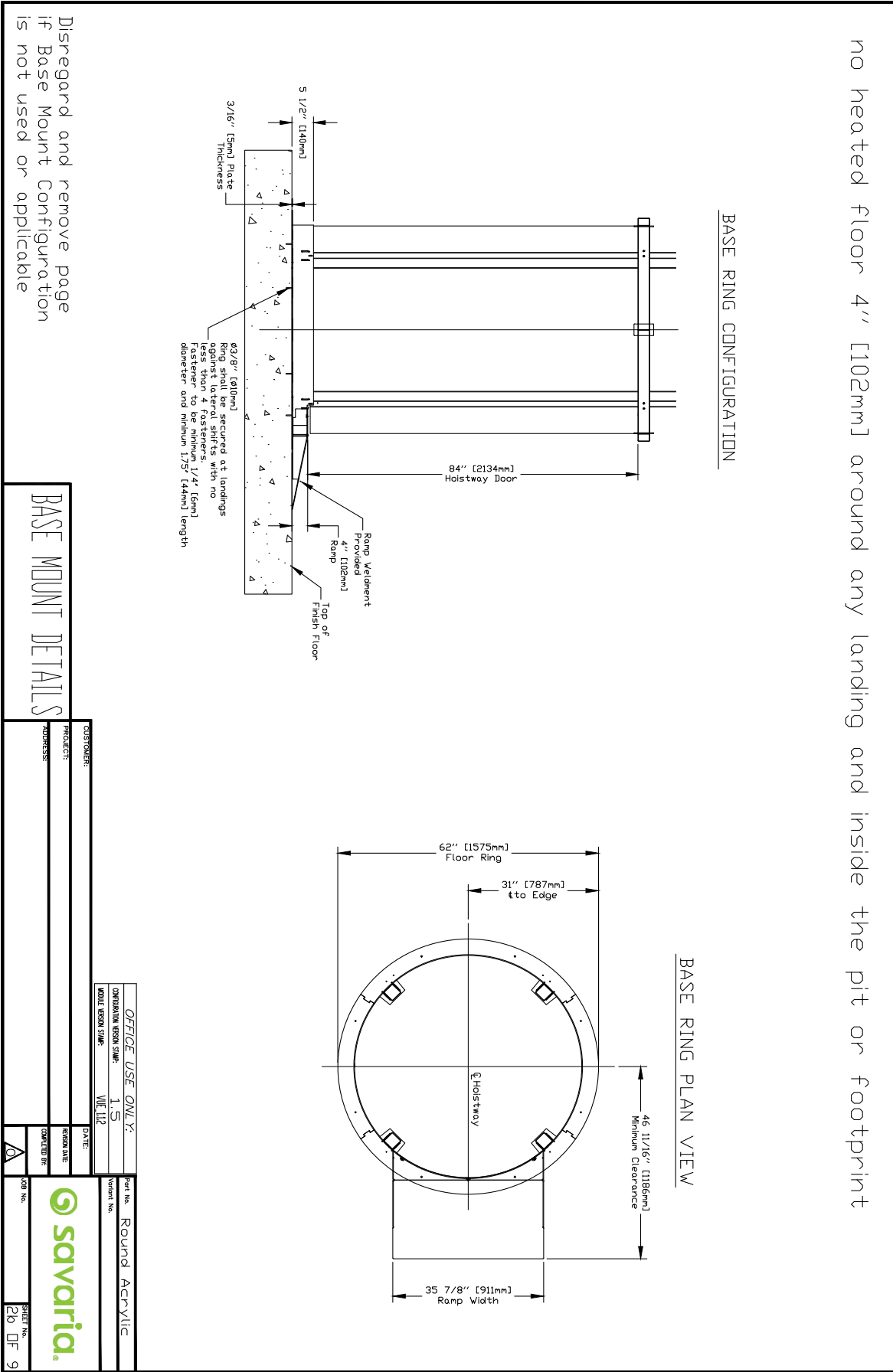
no heated floor 4" [102mm] around any landing and inside the pit or footprint



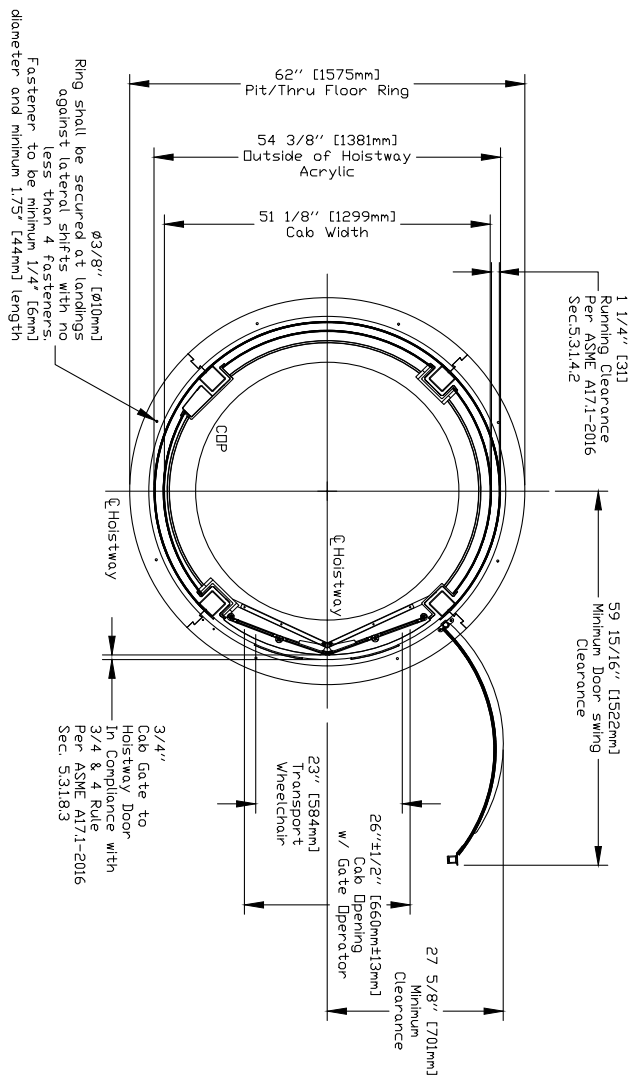
Disregard and remove page for Pittess applicable

FLOOR 1 - PIT VIEW TYP.		CUSTOMER:		PART NO. Round Acrylic	
PROJECT:		DATE:		Variant No.	
ADDRESS:		OFFICE USE ONLY:			
		CORPORATION VERSION Stamp: 1.5			
		WHOLE VERSION Stamp: V1.112			
		FORM No.:			
		COMPLETED BY:			
		JOB No.			
		PROJECT No.			

Figure 5: Base mount details - round acrylic (RAM) type 1, 2 or 3



no heated floor 4" [102mm] around any landing and inside the pit or footprint



Disregard and remove page if Thru Floor Configuration is not used or applicable

FLOOR 2 - THIRD FLOOR VIEW TYP.		COST OWNER:	
PROJECT:		DATE:	
ADDRESS:		REGION NAME:	
		COMPLETE BY:	
		JOB No.	
		SHEET No. 3 OF 5	

savarida®

Part No. Round Acrylic
Invoice No.

OFFICE USE ONLY:
COMPANION REGION SUMM: 1.5
WIDE REGION SUMM: WFL 112

Figure 7: Balcony view - round acrylic (RAM) type 1, 2 or 3

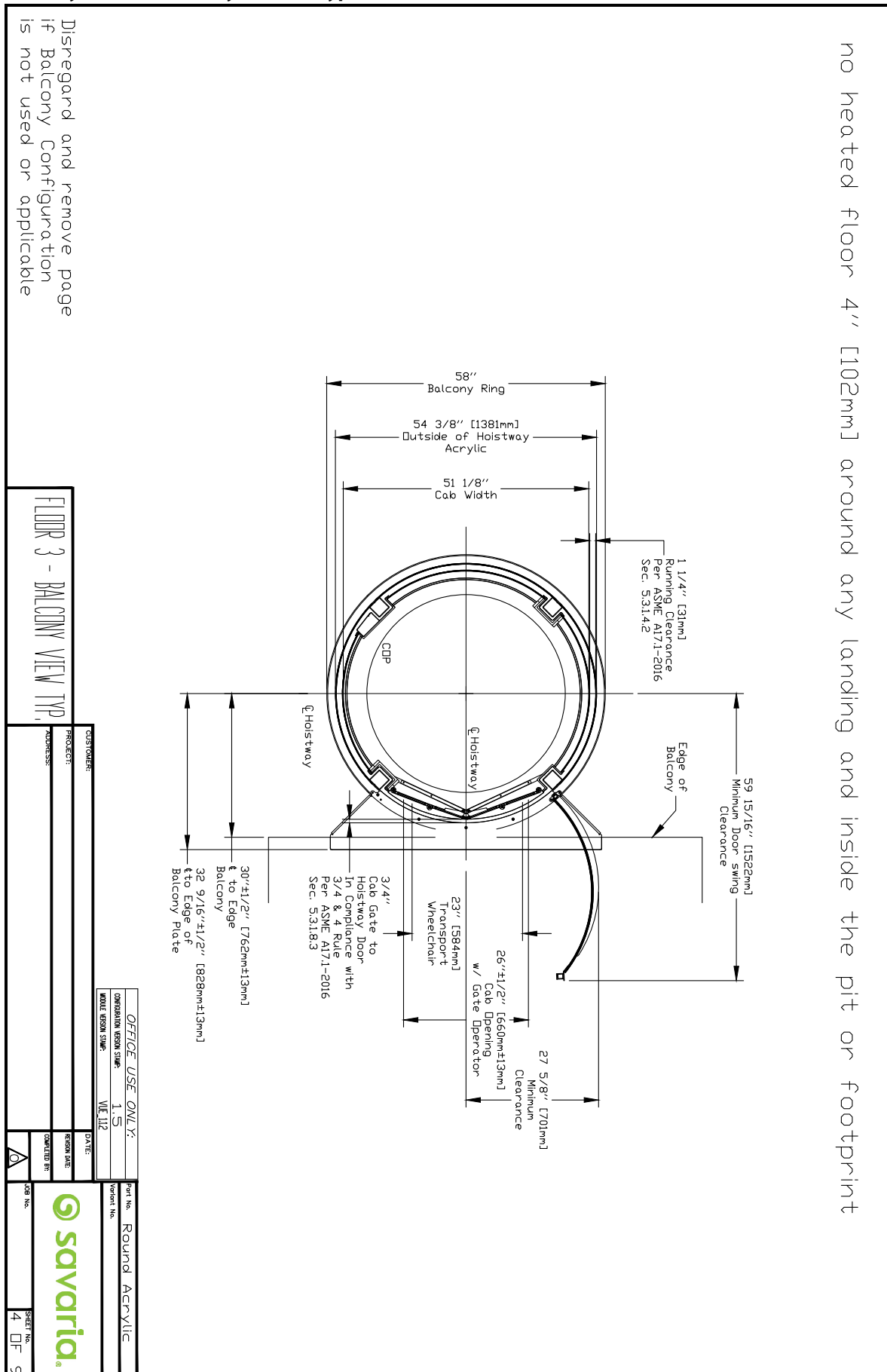


Figure 8: Balcony plate and handrail information - round acrylic (RAM) type 1 shown



The Vuelift balcony plate provides a vertical flange on either side that can be used to mount the adjacent handrail. This plate is made of 3/16" steel and is designed to support the handrail loading and forces.

The photo above shows a finished handrail view. It is important to note that the spacing between the handrail post and the elevator shaft is 1" (25.4 mm) to allow sufficient clearance for the operation of the hoistway door and the hall call button.

NOTE: Installing the handrail on top of the balcony plate is NOT permitted as it will interfere with the door opening operation and door clearances.

Figure 9: Thru-floor details- round acrylic (RAM) type 1, 2 or 3

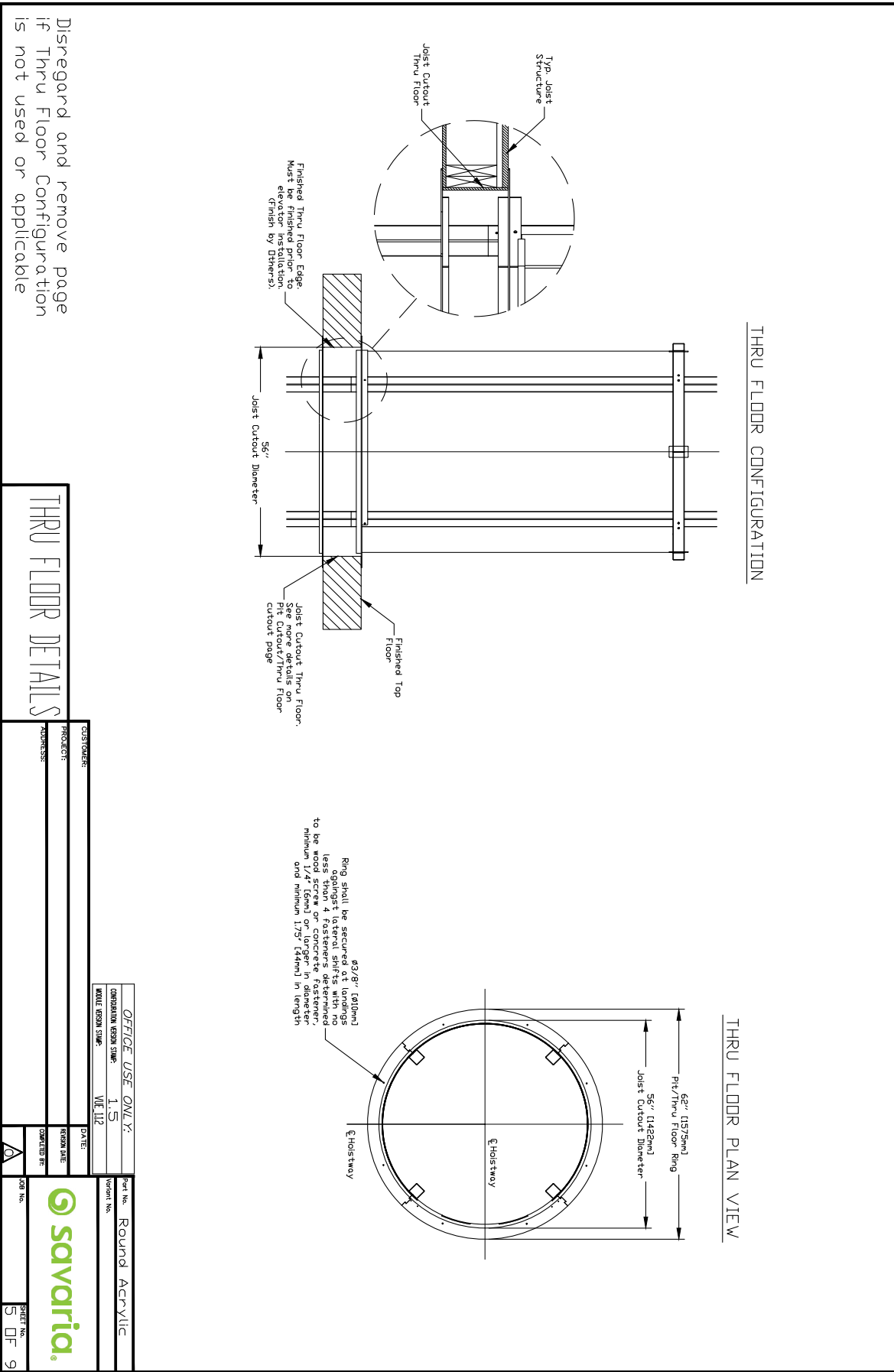


Figure 10: Balcony details- round acrylic (RAM) type 1, 2 or 3

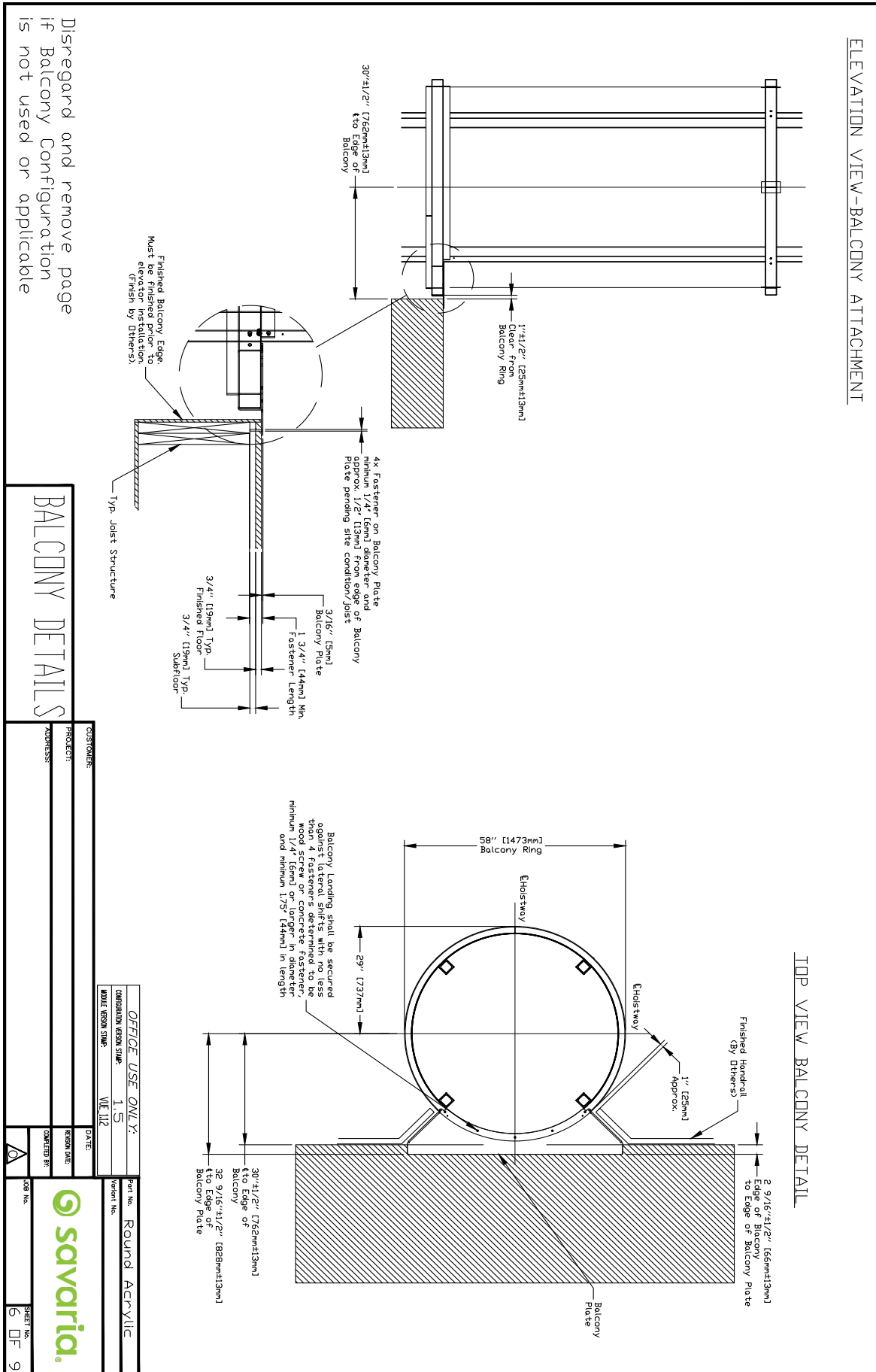


Figure 11: Elevation view - round acrylic (RAM) type 1, 2 or 3

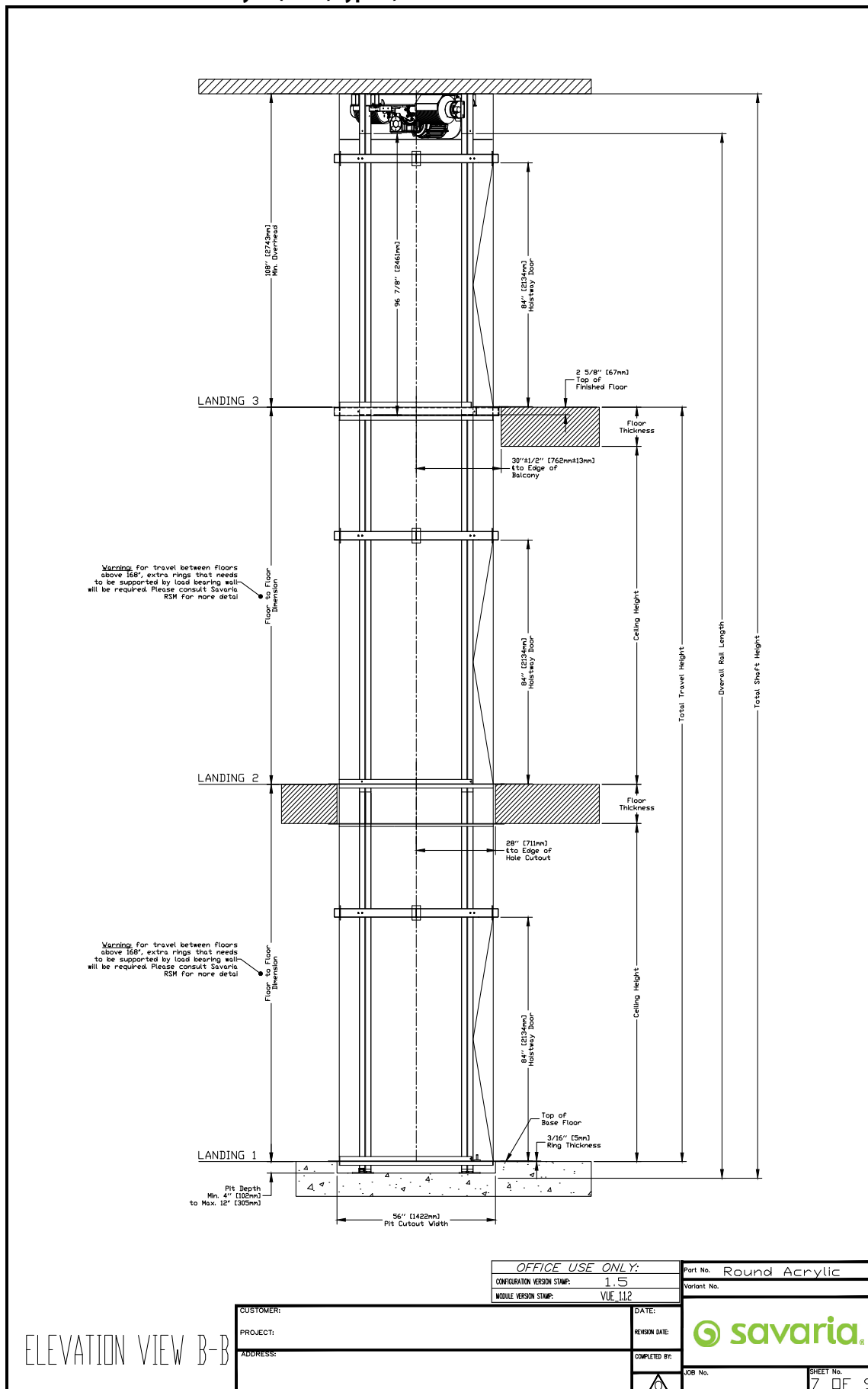


Figure 12: Pit cutout detail - round acrylic (RAM) type 1, 2 or 3

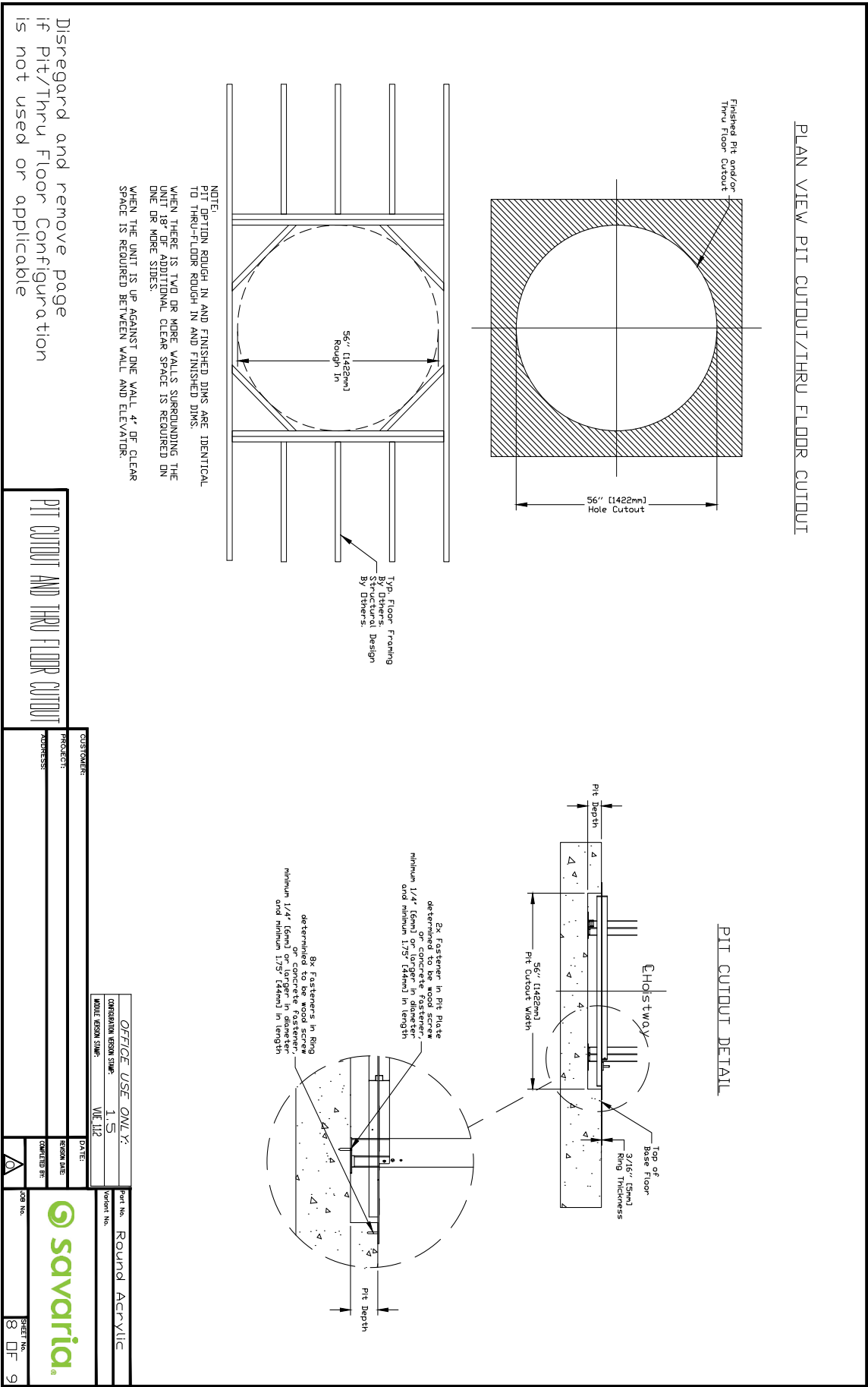


Figure 13: Datasheet - round acrylic (RAM) type 1, 2 or 3

PROVISIONS BY OTHERS																																																									
*GENERAL CONSTRUCTION SITE OVERSEER/AGENT TO PROVIDE ALL MASONRY, CARPENTRY AND FINISHES. UNFINISHED FLOORS SHALL BE IN FINISHED STATE PRIOR TO INSTALLATION OF UNIT. DIMENSIONS: CONTRACTOR/OWNER TO VERIFY. ALL DIMENSIONS DIMENSIONS PRIOR TO UNIT DELIVERY. *STRUCTURAL FLOOR LOADS: STRUCTURAL ENGINEER TO ASSURE THAT BUILDING WILL SAFELY BRACING FOR PIT/FLOOR LOADS IMPOSED BY THE EQUIPMENT. *ELECTRICAL POWER SUPPLY (SEE SPECIFICATIONS BELOW): LOCKABLE FUSED DISCONNECTS INSTALLED IN COMPLIANCE WITH ELECTRICAL CODE TO BE PROVIDED PRIOR TO INSTALLATION. DISCONNECTS TO BE PROVIDED TO THE CONTRACTOR/INSTALLER PRIOR TO INSTALLATION. ELECTRICAL GFCI OUTLET IN HOISTWAY PIT IF REQUIRED. PERMANENT POWER BEFORE INSTALLATION CAN BEGIN. PERMANENT POWER MUST BE SUPPLIED. HANDRAILS: ALL BALCONY LEVELS REQUIRE HANDRAILS TO BE INSTALLED PER LOCAL CODES. HANDRAILS SHALL BE PROVIDED BY CONTRACTOR/INSTALLER. CONTRACTOR/INSTALLER RESPONSIBLE FOR HANDRAIL INSTALLATION OR MATERIALS. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>POWER SUPPLY SPECIFICATIONS</th> <th>DISCONNECT</th> <th>TIME DELAY</th> <th>FUSE SIZE</th> <th>VOLTS</th> <th>PHASE</th> <th>AMPERAGE</th> </tr> </thead> <tbody> <tr> <td>MOTOR & EQUIP</td> <td>30 AMPS</td> <td>30 AMPS</td> <td>230</td> <td>SINGLE</td> <td>202 AMPS</td> <td></td> </tr> <tr> <td>CAB LIGHTS</td> <td>15 AMPS</td> <td>15 AMPS</td> <td>115</td> <td>SINGLE</td> <td>-</td> <td></td> </tr> <tr> <td>PIT LIGHTS</td> <td>15 AMPS</td> <td>15 AMPS</td> <td>115</td> <td>SINGLE</td> <td>-</td> <td></td> </tr> </tbody> </table> 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. WIRELESS SIGNAL WITH INTERNET CAPABILITY IN THE VICINITY OF UNITS CONTROLLER. 3. SAVARIA LINK WITH ETHERNET. ENSURE THAT YOU HAVE AN ETHERNET CONNECTION WITH INTERNET CAPABILITY IN THE VICINITY OF UNITS CONTROLLER. 3.AND SAVARIA LINK: NO SPECIAL REQUIREMENT										POWER SUPPLY SPECIFICATIONS	DISCONNECT	TIME DELAY	FUSE SIZE	VOLTS	PHASE	AMPERAGE	MOTOR & EQUIP	30 AMPS	30 AMPS	230	SINGLE	202 AMPS		CAB LIGHTS	15 AMPS	15 AMPS	115	SINGLE	-		PIT LIGHTS	15 AMPS	15 AMPS	115	SINGLE	-																					
POWER SUPPLY SPECIFICATIONS	DISCONNECT	TIME DELAY	FUSE SIZE	VOLTS	PHASE	AMPERAGE																																																			
MOTOR & EQUIP	30 AMPS	30 AMPS	230	SINGLE	202 AMPS																																																				
CAB LIGHTS	15 AMPS	15 AMPS	115	SINGLE	-																																																				
PIT LIGHTS	15 AMPS	15 AMPS	115	SINGLE	-																																																				
GENERAL CLASSIFICATION: Residential Building APPLIED CODE: ASME 17.1-2013 SEC. 5.3 VALUET: Clear Acrylic - ANSI Z97.1 NUMBER OF FLOORS: 6 Max MODEL: Clear Acrylic CAPACITY: 8400lbs (381kg) NOMINAL SPEED: 32 fpm (0.16 m/s) UP AND DOWN TOTAL TRAVEL: 49' 13 1/2" 12m, 1.3 m2 CAB FLOOR AREA: 49' 13 1/2" 12m, 1.3 m2 CAB HEIGHT: 650 lb (295 kg) PIT DEPTH (OPTIONAL): 60 Hz Single Phase 240 volt (60Hz) POWER SUPPLY: Automatic Dp. Bi-Fold(s) CAB DOOR: 2 Type A Instantaneous Safeties in compliance with ASME A17.1 Sections 2.10.8.1 & 11.7.5.1 SAFETY: Mfg Savaria T7/NV460001-701 SUSPENSION: TYPE: Galvanized Aircraft Cable 2x3/8" dia CONSTRUCTION: 1WRC 7 x 19 RHRL NOMINAL STRENGTH: 14,400 lbs (6531 kg) WT. OF ROPES: 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: 5 HP (3.5kW) TRANSMISSION: Ultra-Low Vibration 3-Stage Right Angle Helical-Bevel Drive MOTOR CONTROL: Ultra-Low Vibration 3-Stage Right Angle Helical-Bevel Drive DOOR INTERLOCKS: X-Interlocked Doors - 19' 10" (5.94m) in compliance with ASME A17.1 Sections 2.12.4.3 PIT/FLOOR LOAD: (m of Hoistway*67) + (# of Floors*13) + 1002 Dead Load (lbs) (m of Hoistway*67) + (# of Floors*13) + 1002 Dead Load (kg) Based on this configuration: <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>LOWER FLOOR DEAD LOAD</td> <td></td> </tr> <tr> <td>LOWER FLOOR IMPACT LOAD</td> <td>4452 lbs (2019 kg)</td> </tr> <tr> <td>MID FLOOR MAX. LATERAL LOAD</td> <td>250 lbs (113 kg)</td> </tr> </tbody> </table> * SEE ELEVATION VIEW FOR ADDITIONAL, HEADER RING TO SUPPORT EXTRA LONG FLOOR TO FLOOR OPTIONS: 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: COLDR: Distance between Head Frame and Control Room CONDUCTOR CABLE: Internal or External to Hoistway CONDUCTOR LOCATION: Internal or External to Hoistway CONDUCTOR LENGTH: 3' (0.91m) (Standard) FACTORY CUT (GLASS/ACRYLIC): Cut on site or factory cut FLOOD SWITCH: Manual or Hydraulics Landing Doors LANDING DOOR CLOSER: Stainless Steel (Standard) LANDING DOOR HANDLE:										LOWER FLOOR DEAD LOAD		LOWER FLOOR IMPACT LOAD	4452 lbs (2019 kg)	MID FLOOR MAX. LATERAL LOAD	250 lbs (113 kg)																																										
LOWER FLOOR DEAD LOAD																																																									
LOWER FLOOR IMPACT LOAD	4452 lbs (2019 kg)																																																								
MID FLOOR MAX. LATERAL LOAD	250 lbs (113 kg)																																																								
FIRST DOOR BY LANDING CHART <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>LANDING 1</th> <th>LANDING 2</th> <th>LANDING 3</th> </tr> </thead> <tbody> <tr> <td>DOOR TYPE</td> <td>Side A</td> <td>Side B</td> <td>Side C</td> </tr> <tr> <td>ENTRANCE SIDE</td> <td>LH or RH Swing</td> <td>LH or RH Swing</td> <td>LH or RH Swing</td> </tr> <tr> <td>DOOR SWING</td> <td>X Lock</td> <td>X Lock</td> <td>X Lock</td> </tr> <tr> <td>LOCK TYPE</td> <td>NO</td> <td>NO</td> <td>NO</td> </tr> <tr> <td>HAL CALK KEY SWITCH</td> <td>NO</td> <td>NO</td> <td>NO</td> </tr> <tr> <td>LANDING CONFIGURATION</td> <td>Pit or Ramp</td> <td>Thru Floor Shown</td> <td>Barreny Shown</td> </tr> </tbody> </table>											LANDING 1	LANDING 2	LANDING 3	DOOR TYPE	Side A	Side B	Side C	ENTRANCE SIDE	LH or RH Swing	LH or RH Swing	LH or RH Swing	DOOR SWING	X Lock	X Lock	X Lock	LOCK TYPE	NO	NO	NO	HAL CALK KEY SWITCH	NO	NO	NO	LANDING CONFIGURATION	Pit or Ramp	Thru Floor Shown	Barreny Shown																				
	LANDING 1	LANDING 2	LANDING 3																																																						
DOOR TYPE	Side A	Side B	Side C																																																						
ENTRANCE SIDE	LH or RH Swing	LH or RH Swing	LH or RH Swing																																																						
DOOR SWING	X Lock	X Lock	X Lock																																																						
LOCK TYPE	NO	NO	NO																																																						
HAL CALK KEY SWITCH	NO	NO	NO																																																						
LANDING CONFIGURATION	Pit or Ramp	Thru Floor Shown	Barreny Shown																																																						
ENTRANCE SIDE LEGEND																																																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">CUSTOMER</th> <th colspan="2" style="text-align: center;">DATE</th> <th colspan="2" style="text-align: center;">OFFICE USE ONLY</th> </tr> </thead> <tbody> <tr> <td>PROJECT</td> <td>ADDRESS</td> <td>PROJECT</td> <td>ADDRESS</td> <td>Part No.</td> <td>Round Acrylic</td> </tr> <tr> <td colspan="2"></td> <td colspan="2"></td> <td>Version No.</td> <td></td> </tr> <tr> <td colspan="2"></td> <td colspan="2"></td> <td>Configuration Version Stamp</td> <td>1.5</td> </tr> <tr> <td colspan="2"></td> <td colspan="2"></td> <td>Whole Version Stamp</td> <td>VUE 112</td> </tr> <tr> <td colspan="2"></td> <td colspan="2"></td> <td>COMPLETED BY</td> <td></td> </tr> <tr> <td colspan="2"></td> <td colspan="2"></td> <td>CAB No.</td> <td></td> </tr> <tr> <td colspan="2"></td> <td colspan="2"></td> <td>SHEET No.</td> <td>9 OF 9</td> </tr> </tbody> </table>										CUSTOMER		DATE		OFFICE USE ONLY		PROJECT	ADDRESS	PROJECT	ADDRESS	Part No.	Round Acrylic					Version No.						Configuration Version Stamp	1.5					Whole Version Stamp	VUE 112					COMPLETED BY						CAB No.						SHEET No.	9 OF 9
CUSTOMER		DATE		OFFICE USE ONLY																																																					
PROJECT	ADDRESS	PROJECT	ADDRESS	Part No.	Round Acrylic																																																				
				Version No.																																																					
				Configuration Version Stamp	1.5																																																				
				Whole Version Stamp	VUE 112																																																				
				COMPLETED BY																																																					
				CAB No.																																																					
				SHEET No.	9 OF 9																																																				

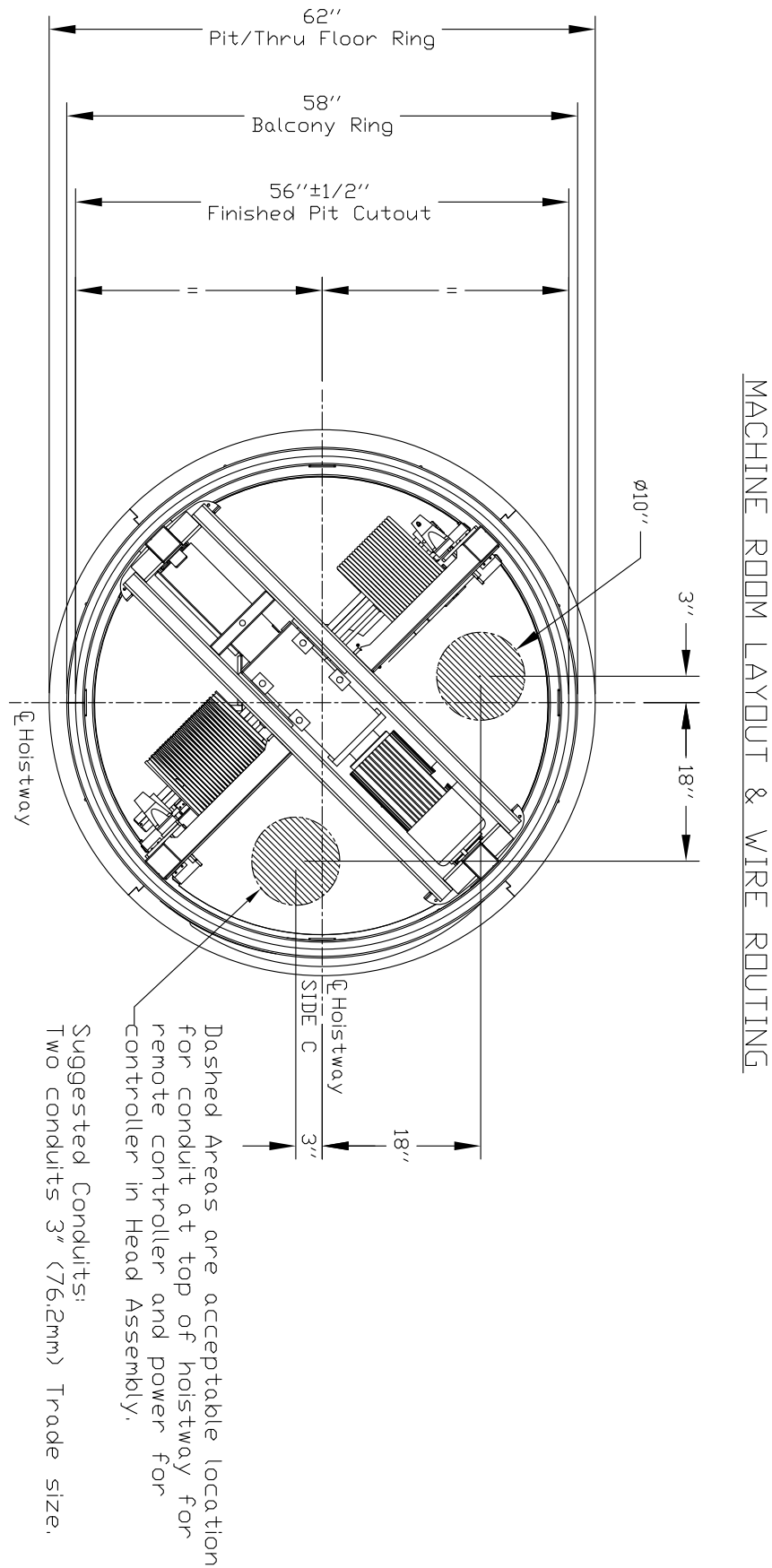
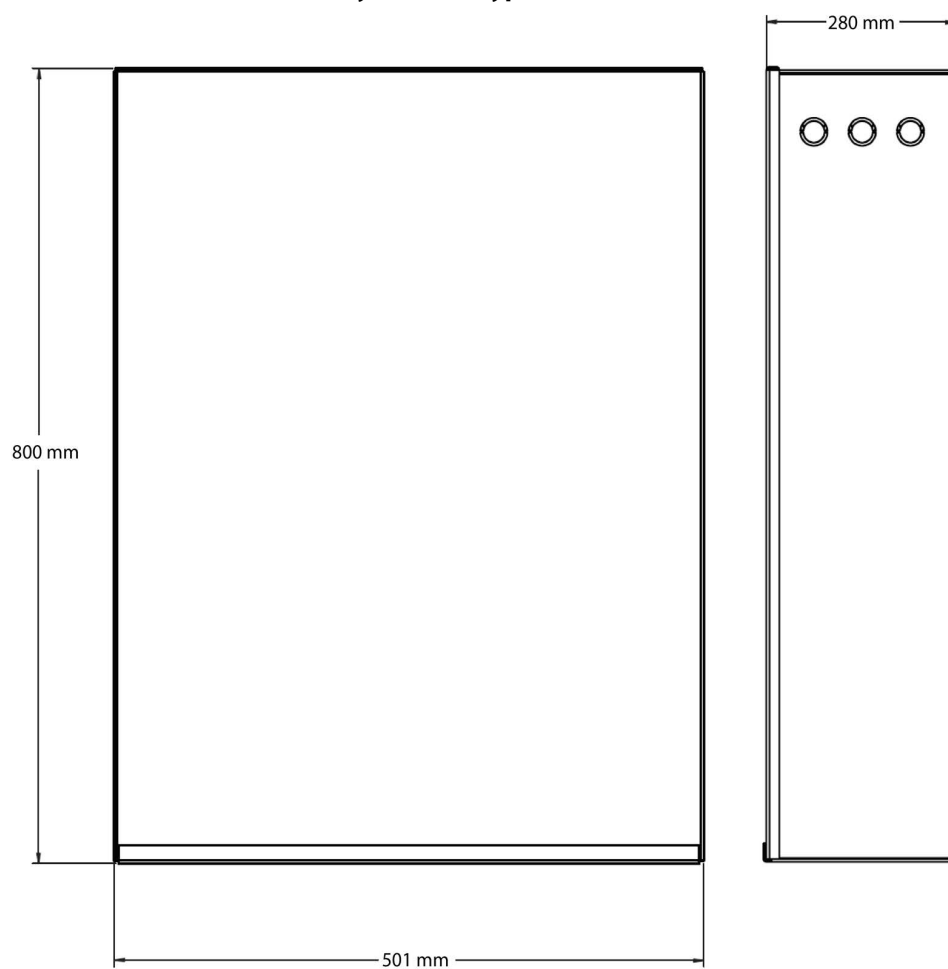
Figure 14: Machine room layout and wire routing - round acrylic (RAM) type 1, 2 or 3


Figure 15: Controller box dimensions- round acrylic (RAM) type 1, 2 or 3



Chapter 2: Octagonal Acrylic (OAM) & Octagonal Glass (OGM)



Specifications - Octagonal Acrylic & Octagonal Glass (OAM & OGM)

Specification	Specification Data
Load capacity	Acrylic model: 840 lb (381 kg) Silica glass model: 950 lb (432 kg)
Maximum travel	50 ft (15.24 m); 55 ft (16.76 m) where a variance is possible
Travel speed	Acrylic model: 32 ft/min (0.16 m/s) Silica glass model: 40 ft/min (0.20 m/s)
Noise level (for typical installation)	65 dB
Daily cycle	Normal: 40 Heavy: 80 Excessive: 150 Maximum starts in 1 hour on standard installation: 20 NOTE: Please consult your Sales Representative if there a chance you may exceed these amounts.
Maximum levels serviced	6
Minimum overhead	108" (2743mm) for 84" (2130mm) cab 104" (2641mm) for 80" (2032mm) cab 96" (2438mm) for 76.5" (1943mm) cab
Cab	Cab walls: Full clear acrylic or silica glass Cab interior height (standard): 84 in (2.13 m) Cab interior height (optional): 80in (2.03 m) Cab interior height: 76.5in (1.94 m) Cab weight (acrylic): 650 lb (295 kg) Cab weight (silica glass): 1050 lb (476 kg) Cab floor area: 12 sq ft (1.2 sq m)
Floor by others (in cab)	3/4" (19 mm) maximum
Footprint	Octagonal acrylic medium: 47.8" x 47.8" (1.21 m x 1.21 m) Octagonal glass medium: 49" x 49" (1.24 m x 1.24 m)
Power supply	30A, 230-V, single-phase, 50/60 Hz
Cab lighting	15A, 115V, single-phase, 50/60 Hz
Suspension	Type: Galvanized aircraft cable (2 x 3/8" diameter) Construction: IWRC 7 x 19 RHRL Nominal strength: 14,400 lb (6,545 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: 5.0HP (3.5 KW) with integrated brake Transmission: low vibration, worm gear drive Motor control: Preprogrammed variable frequency drive Door interlocks: Xtronics
Pit/floor load	Refer to the section "Load Calculations"
Distance between 2 landings	93.5" (2375 mm) minimum
Pit depth	4" - 12" (102 mm - 305 mm) No pit with optional short ramp

Specification	Specification Data
Temperature operating range (environment)	- 10°C to + 40°C / 14°F to 104°F NOTE: For optimal running conditions, each landing of the unit should be in a climate-controlled environment.
Safety features	Pit run/stop switch and car top run/stop switch Emergency stop switch Safety brakes Electrical circuit overspeed Manual lowering Emergency battery back-up for cab lighting and lowering
Options	Optional configurations: Type 2, 3R, 6 Optional cab wall and hoistway: Acrylic or low-iron silica glass Optional colors: • White (Texture White PX521W859) • Silver (Texture Silver PX521S343) • Custom powder-coat frame Note that Black is the standard color (Texture Black PX622N365) Other options: Up to 6 stops, balcony attachment Savaria Link remote monitoring (Vuelift Micro-6 only) Landing door handle painted to match unit Top header ring in sheet metal painted to match unit

Safety First - Octagonal Acrylic & Octagonal Glass (OAM & OGM)

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 (see drawing on next page):

- 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 Residential Elevator design is with a maximum 1.25" (32 mm) running clearance.

Electrical Requirements - Octagonal Acrylic & Octagonal Glass (OAM & OGM)

Your electrician and phone installer must supply the following connections:

- Main Disconnect - One 230V single-phase, 30 Amp fused disconnect box with 30 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.

Recommended Manufacturers for Fused Disconnect

Square D

- Main disconnect: 230V single-phase disconnect model # H221N.
240V, 30 Amp with Interlock Kit - ELK031 Aux Contacts (normally opened/normally closed).
In addition, two each - 250V, 30 Amp, RK5 fuses.
- Lighting disconnect: 120V, 15 Amp fused disconnect or circuit breaker.

Siemens

- Main disconnect: 230V single-phase disconnect model #HF221N.
240V, 30 Amp with Interlock Kit-HA 161234 Aux Contacts (normally opened/normally closed).
In addition, two each - 250V, 30 Amp, RK5 fuses.
- Lighting disconnect: 120V, 15 Amp fused disconnect or circuit breaker.

G.E.

- Main disconnect: 230V single-phase disconnect model # TH3221.
240V, 30 Amp with Interlock Kit - THAUX21D Aux Contacts (normally opened/normally closed).
In addition, two each - 250V, 30 Amp, RK5 fuses.
- Lighting disconnect - 120V, 15 Amp fused disconnect or circuit breaker.

Cutler Hammer

- Main disconnect: 230V single-phase disconnect model # DH221NGK.
240V, 30 Amp with Interlock Kit - THAUX21D Aux Contacts (normally opened/normally closed).
In addition, two each - 250V, 30 Amp, RK5 fuses.
- Lighting disconnect: 120V, 15 Amp fused disconnect or circuit breaker.

Recommended manufacturers for circuit breakers at the distribution panel (and the distribution panel itself): Square D or Siemens only.

Provisions By Others - Octagonal Acrylic & Octagonal Glass (OAM & OGM)

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	30 Amps	230 Volts	Single
Cab lights	15 Amps	15 Amps	115 Volts	Single
Pit light	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.

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.

Savaria Link Option (Vuelift Micro-6 Only)

If you have the Savaria Link Ethernet remote monitoring option, ensure that you have an Ethernet connection with Internet capability in the vicinity of the unit's controller.

If you have the Savaria Link Wireless remote monitoring option, ensure that you have a wireless signal with Internet capability in the vicinity of the unit's controller.

Site Preparation - Octagonal Acrylic & Octagonal Glass (OAM & OGM)

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 4" must be provided. 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

- 108" (2743mm) for 84" (2133mm) cab minimum overhead distance from upper floor level to the underside of the finished ceiling for standard cab configuration. (standard)
- 104" (2641 mm) for 80" (2032 mm) cab minimum overhead distance from upper floor level to the underside of the finished ceiling for modified short cab configuration. (optional)
- 96" (2438 mm) for 76.5" (1943 mm) cab minimum overhead distance from upper floor level to the underside of the finished ceiling for silica glass model. (short)

Drywall and Painting

- All drywall and painting must be complete.

Load Calculations - Octagonal Acrylic (OAM)

- 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 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 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 250 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.

Lower Floor Dead Load (lbs) = (45 x feet of hoistway) + (250 x number of floors) + 2210 lbs

Lower Floor Dead Load (Kg) = (67 x meter of hoistway) + (113 x number of floors) + 1002 Kg

Lower Floor Impact Load (lbs) = 4452 lbs (2019 Kg)

Lower Floor Total Load (lbf) = Dead Load + Impact Load

Mid Floor Load (lbf) = 250lbs (113kg)

Shipping Weight (lb) = (694 x number of floors) + 1720

Note: Shipping weight includes the actual component weights for all parts, plus shipping crate and packaging weight.

Load Calculations - Octagonal Glass (OGM)

- 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.
- Each middle floor carries a separate Mid Floor Load supporting only that floor's metal floor rings, while the main cab/hoistway load (Lower Floor Total Load) is transferred fully to the bottom floor.
- 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.
- All mid floors including the bottom floor may be subjected to a maximum lateral load of 250 lb.
- 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.

Lower Floor Dead Load (lbs) = (104 x feet of hoistway) + (365 x number of floors) + 2671 lbs

Lower Floor Dead Load (Kg) = (155 x meter of hoistway) + (166 x number of floors) + 1211 Kg

Lower Floor Impact Load (lbs) = 8350 lbs (3787 Kg)

Lower Floor Total Load (lbf) = Dead Load + Impact Load

Mid Floor Load (lbf) = 250 lbs (113kg)

Shipping Weight (lb) = (1515 x number of floors) + 1804

Note: Shipping weight includes all actual part weights for lower and mid floor loads using 12' per floor, plus shipping packaging weight.

Note: These equations are based on ACTUAL weight values and contain NO safety factors for floor loading.

Total Load is distributed as follows:

- At any point in time, two opposing columns may have up to 12,000 lbf (6000 lbf/column)
- However, the max load carried by all four column combined will not exceed 16,759 lbf before addition of factor of safety required by local building code.

Mid Floor Loads (on each mid floor) 318

Shipping Weight 6,349.21

Drawings - Octagonal Acrylic & Octagonal Glass (OAM & OGM)

Octagonal Acrylic (OAM)

- Plan view
- Pit view
- Base mount details
- Thru-floor view
- Balcony view
- Balcony plate and handrail information
- Thru-floor details
- Balcony details
- Elevation view
- Elevation view (showing extra header rings for floor-to-floor height >14 ft)
- Pit cutout/thru-floor cutout
- Datasheet
- Machine room layout and wire routing

Octagonal Glass (OGM)

- Plan view
- Pit view
- Base mount details
- Thru-floor view
- Balcony view
- Balcony plate and handrail information
- Thru-floor details
- Balcony details
- Elevation view
- Elevation view (showing extra header rings for floor-to-floor height >14 ft)
- Pit cutout/thru-floor cutout
- Datasheet
- Machine room layout and wire routing

Model Specifications – Octagonal

Octagonal (Acrylic)

- Capacity: 381kg (840 lb)
- Cab Size: 1.2 sqm (12 sq. ft.)
- Clear Cab Size: 1118w x 1070d (44 x 42.13 in.)
- Cab Height: 2134mm (84 in.)
- Hoistway Footprint
 - Acrylic: 1214 x 1214mm (47.8 x 47.8 in.) 1260
 - Pit/Thru Floor Cutout: x 1260mm (49.63 x 49.63 in.) 1304 x
 - Balcony/Header Ring: 1304mm (51.38 x 51.38 in.) 1407 x
 - Pit/Thru Floor Ring: 1407mm (55.38 x 55.38 in.)
- Minimum Overhead Clearance: 2743mm (108 in.)
for 2133 mm (84 in) cab
- Minimum Overhead Clearance: 2641 mm (104 in.)
for 2032 mm (80 in.) cab

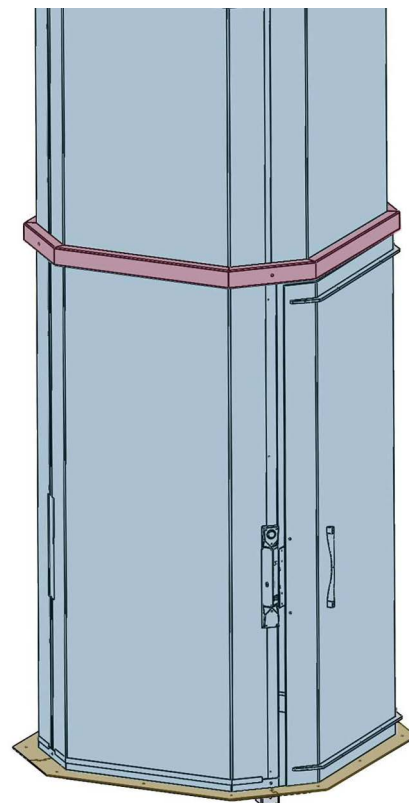
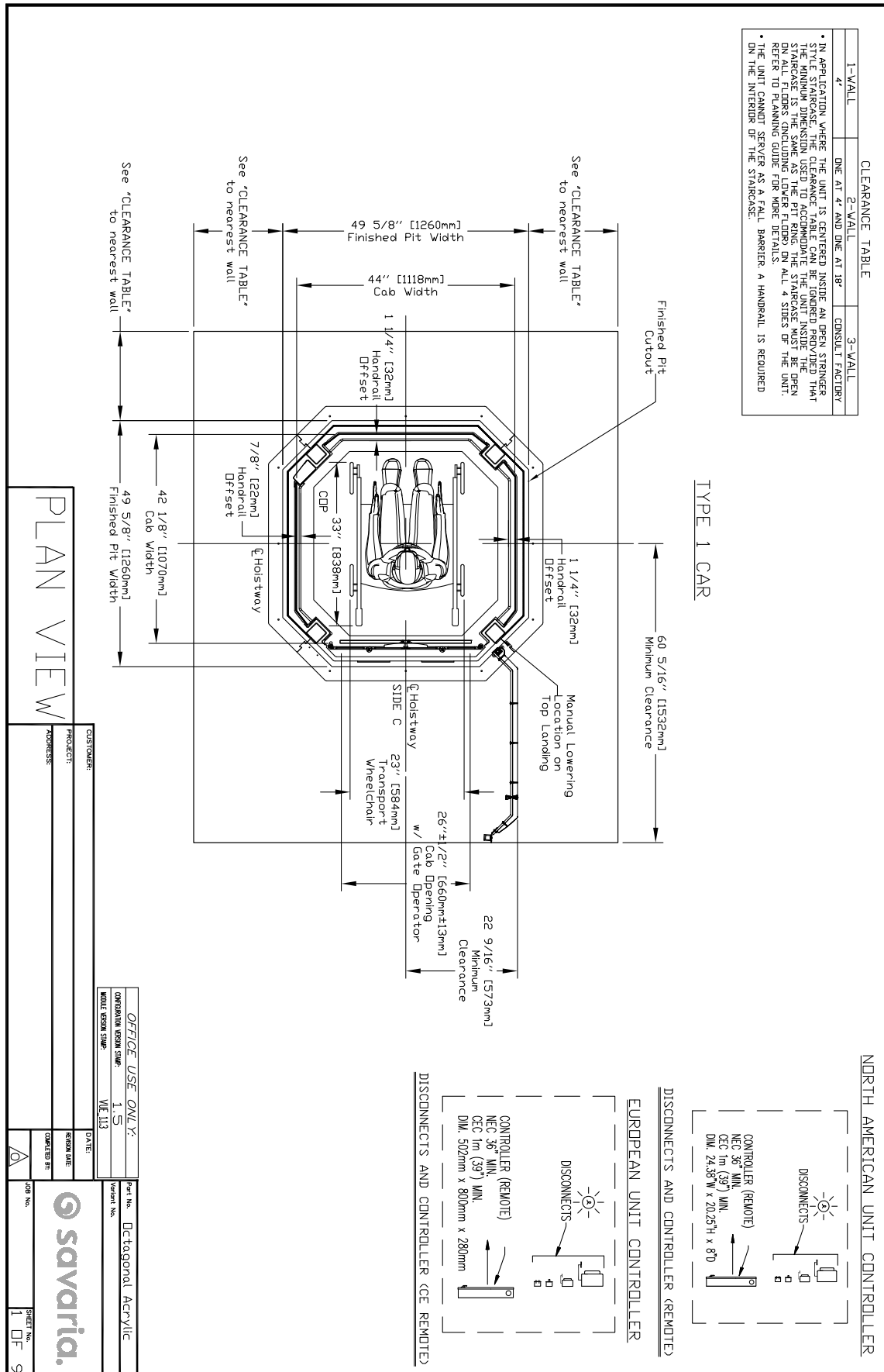


Figure 16: Plan view - octagonal acrylic (OAM) type 1



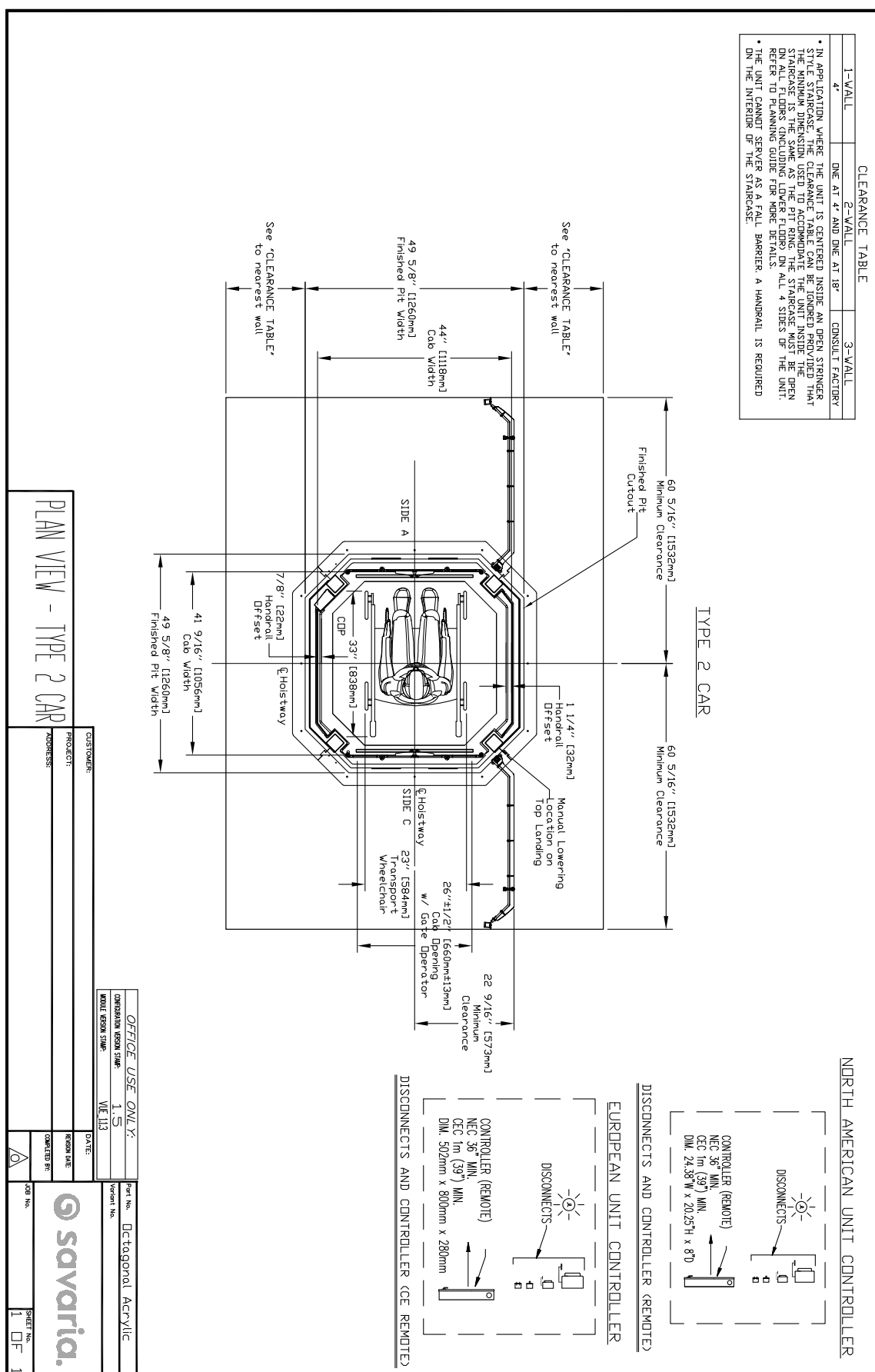


Figure 18: Plan view - octagonal acrylic (OAM) type 3

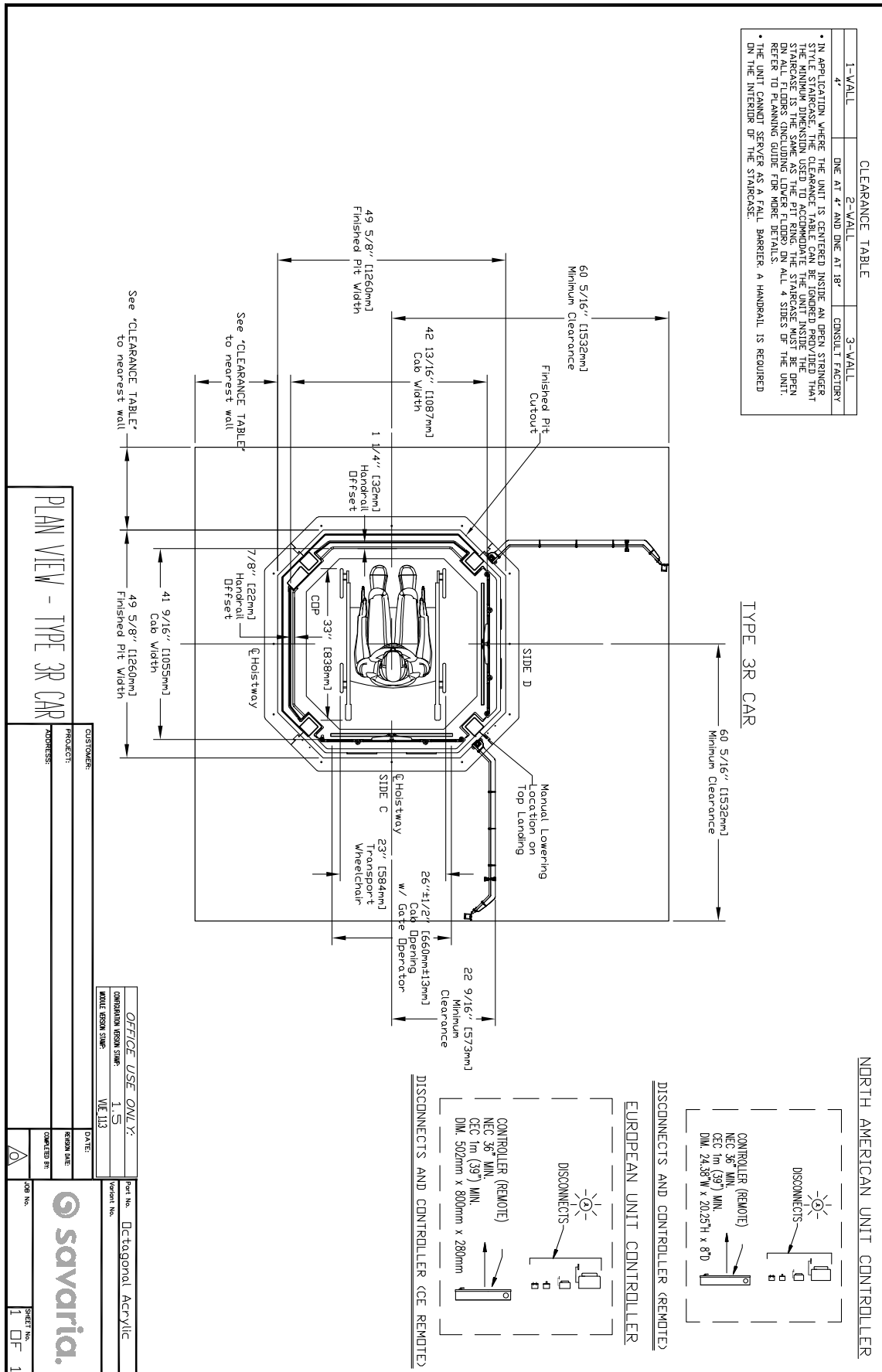
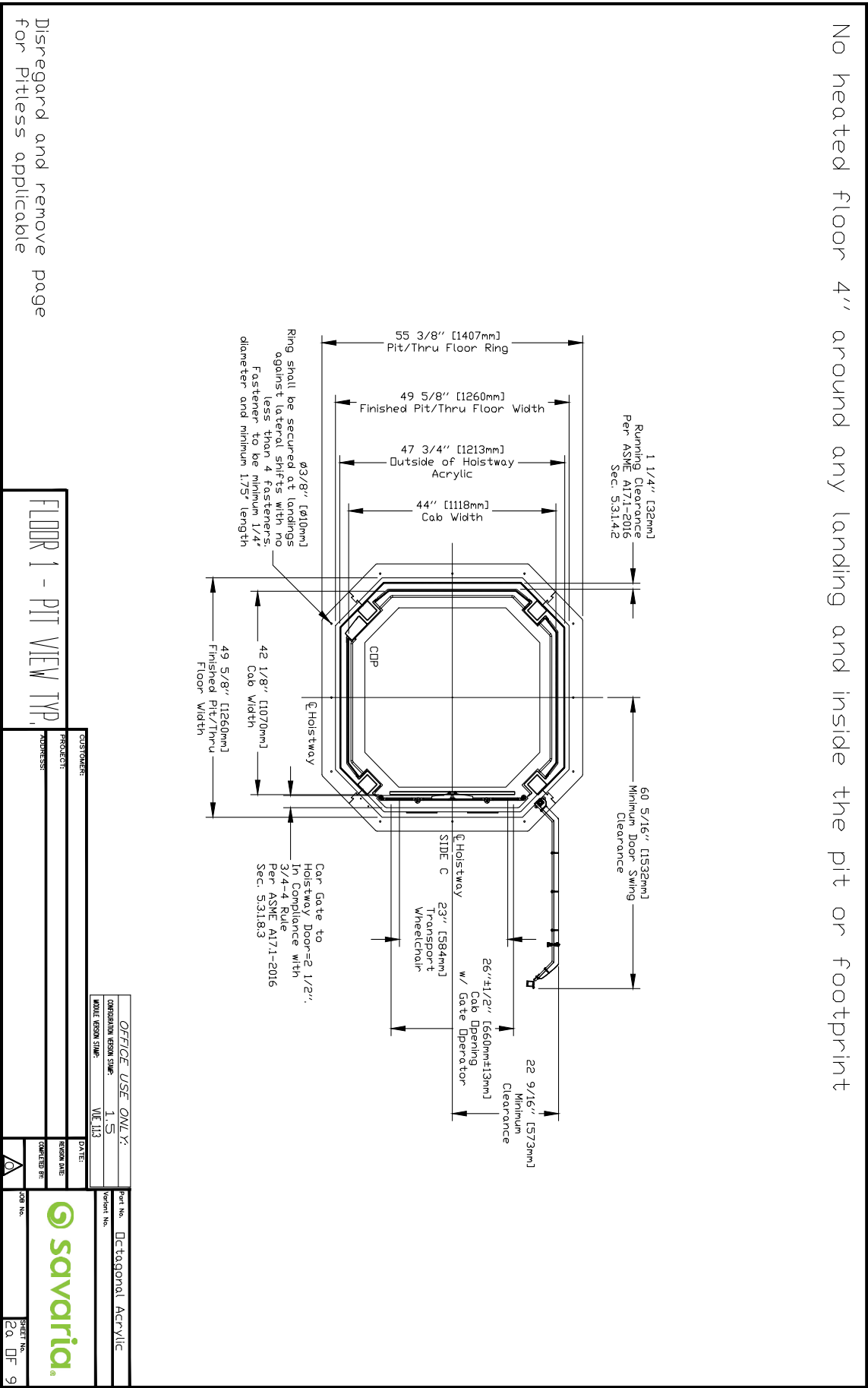
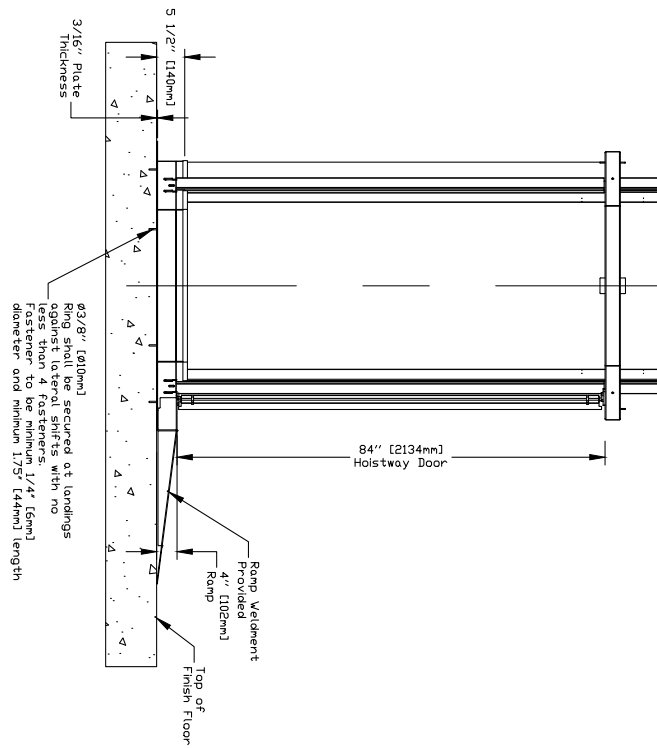


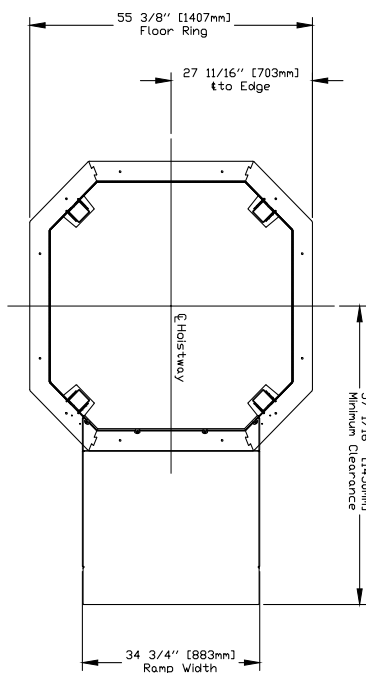
Figure 19: Pit view - octagonal acrylic (OAM) type 1, 2 or 3



BASE RING CONFIGURATION



BASE RING PLAN VIEW

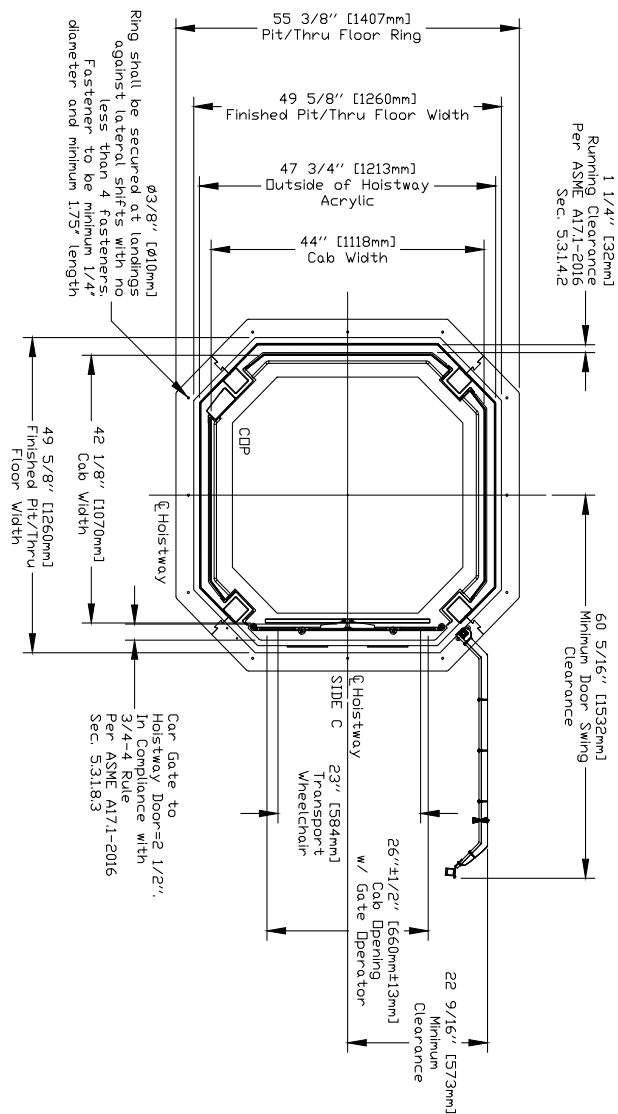


Disregard and remove page if Base Mount Configuration is not used or applicable

BASE MOUNT DETAILS

CUSTOMER:		OFFICE USE ONLY: COMPARISON REGION STATE: 1.5 MODEL REGION STATE: ME 113	
PROJECT:		DATE:	
ADDRESS:		REGION DATE:	
		COMPLETED BY:	
			
		Part No. DCTagonal ACrylic Order No.	
JOB No.		SHEET No.	
20		OF 5	

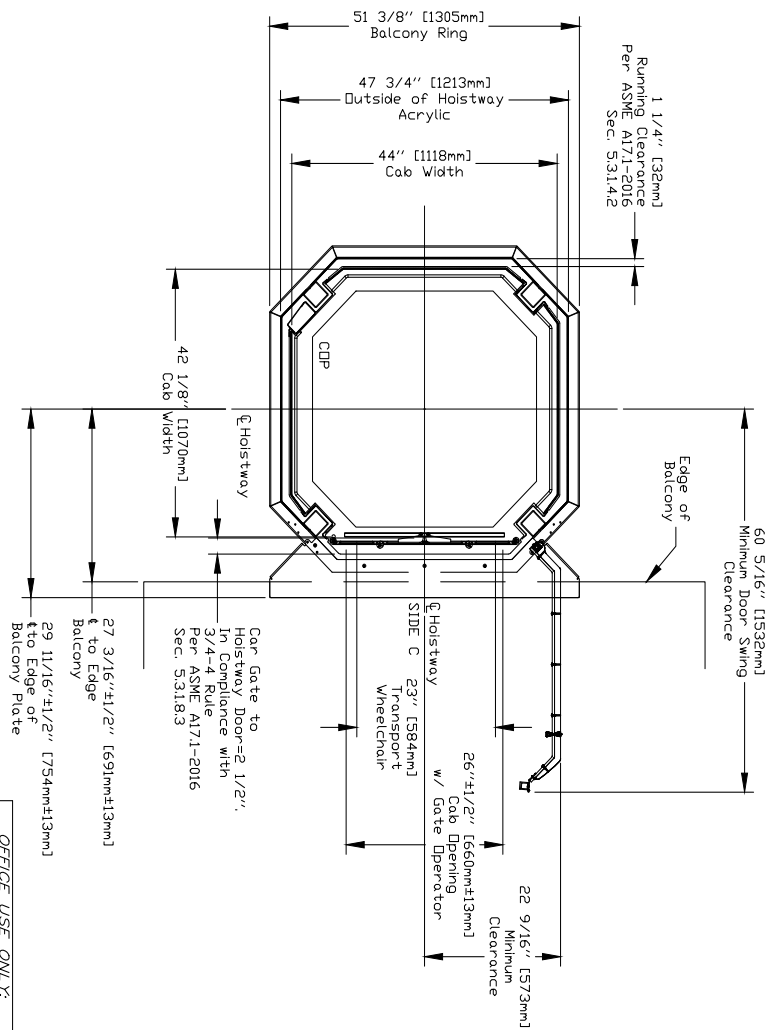
No heated floor 4" around any landing and inside the pit or footprint



Disregard and remove page if Thru Floor Configuration is not used or applicable

PROJECT ADDRESS		REGION DATE COMPLET FR		JOB NO. 3 OF 5	
CUSTOMER DATE		MOBILE VERSION STAMP VE. 1.13		Report No. 00769901 Acrylic	

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



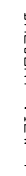
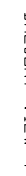
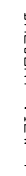
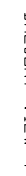
FLOOR 3 - BALCONY VIEW TYP		PROJECT:		REGION DATE:		DATE:	
ADDRESS:							
CITY/STATE/ZIP:							
COUNTY:							
MOBILE VERSION SHIP:							
OFFICE USE ONLY:							
CONTRIBUTOR REGION SHIP:							
MOBILE VERSION SHIP:							
1.5							
VIE_113							
							
JOB NO.		SHEET NO.		PART NO.		INVENTOR NO.	
4 OF 5		4 OF 5		4 OF 5		4 OF 5	

Figure 23: Balcony plate and handrail information - octagonal acrylic (OAM) type 1 shown

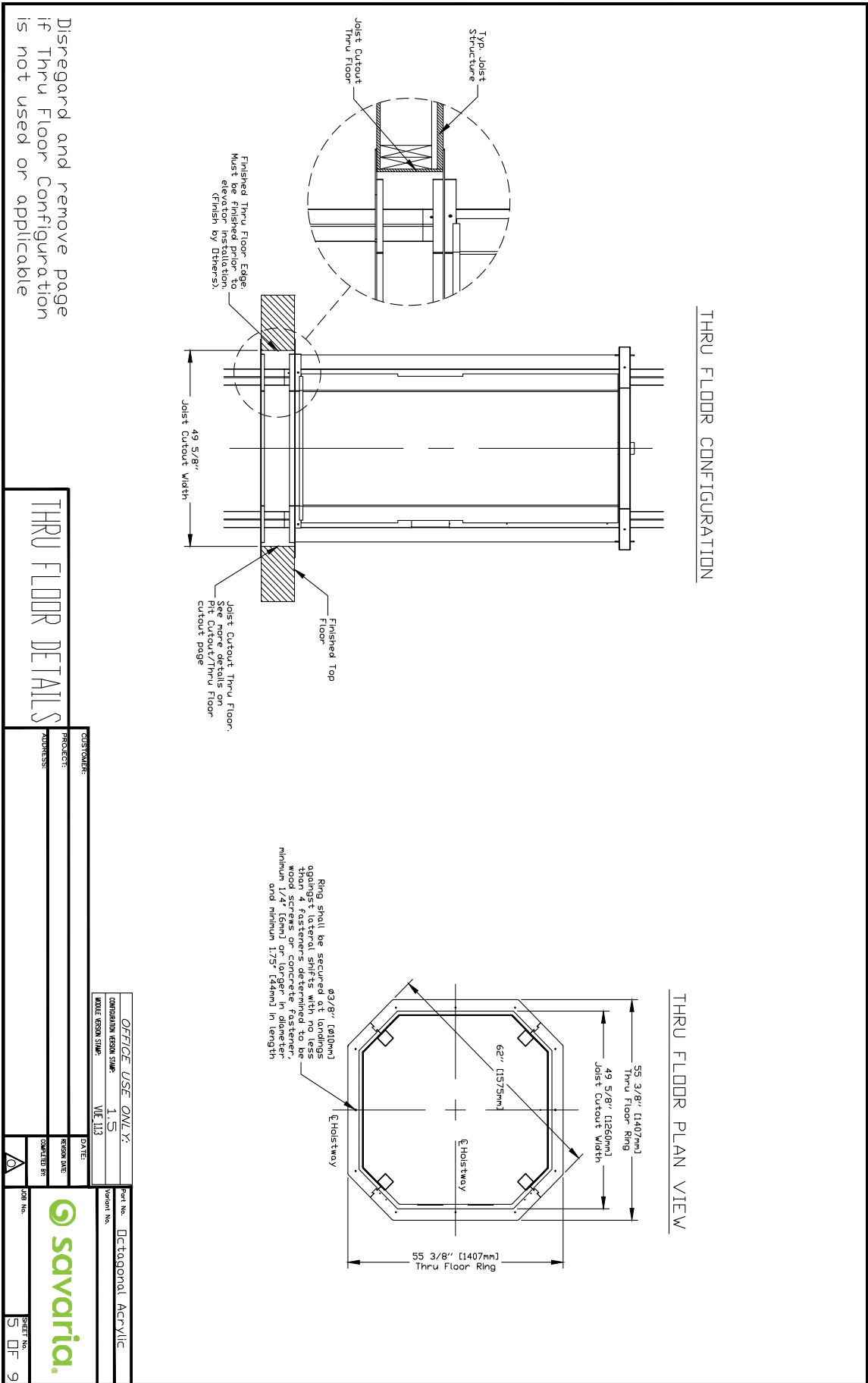


The Vuelift balcony plate provides a vertical flange on either side that can be used to mount the adjacent handrail. This plate is made of 3/16" steel and is designed to support the handrail loading and forces.

The photo above shows a finished handrail view. It is important to note that the spacing between the handrail post and the elevator shaft IS 1" (25.4 mm) to allow sufficient clearance for the operation of the hoistway door and the hall call button.

NOTE: Installing the handrail on top of the balcony plate is NOT permitted as it will interfere with the door opening operation and door clearances.

Figure 24: Thru-floor details - octagonal acrylic (OAM) type 1, 2 or 3



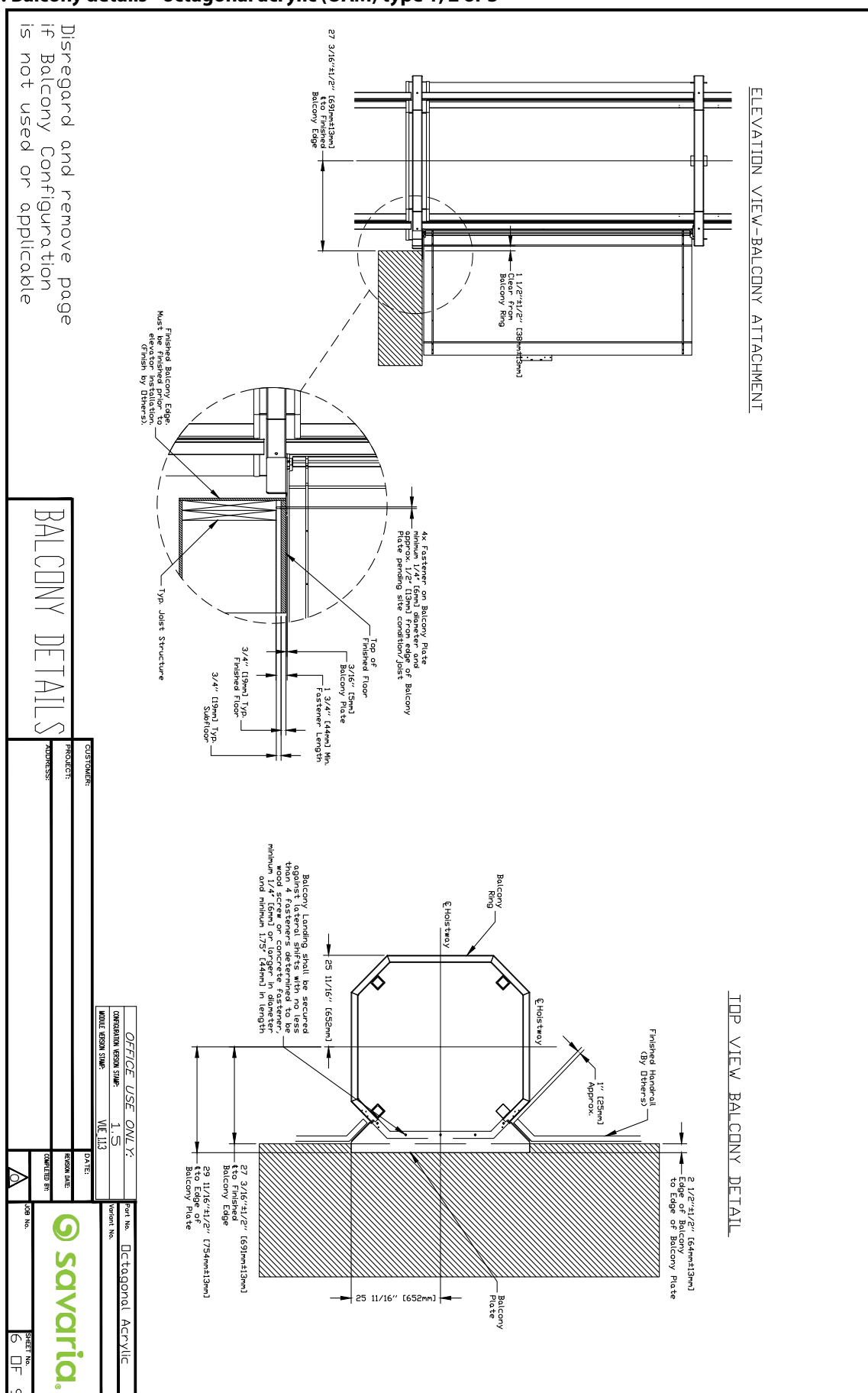


Figure 26: Elevation view - octagonal acrylic (OAM) type 1, 2 or 3

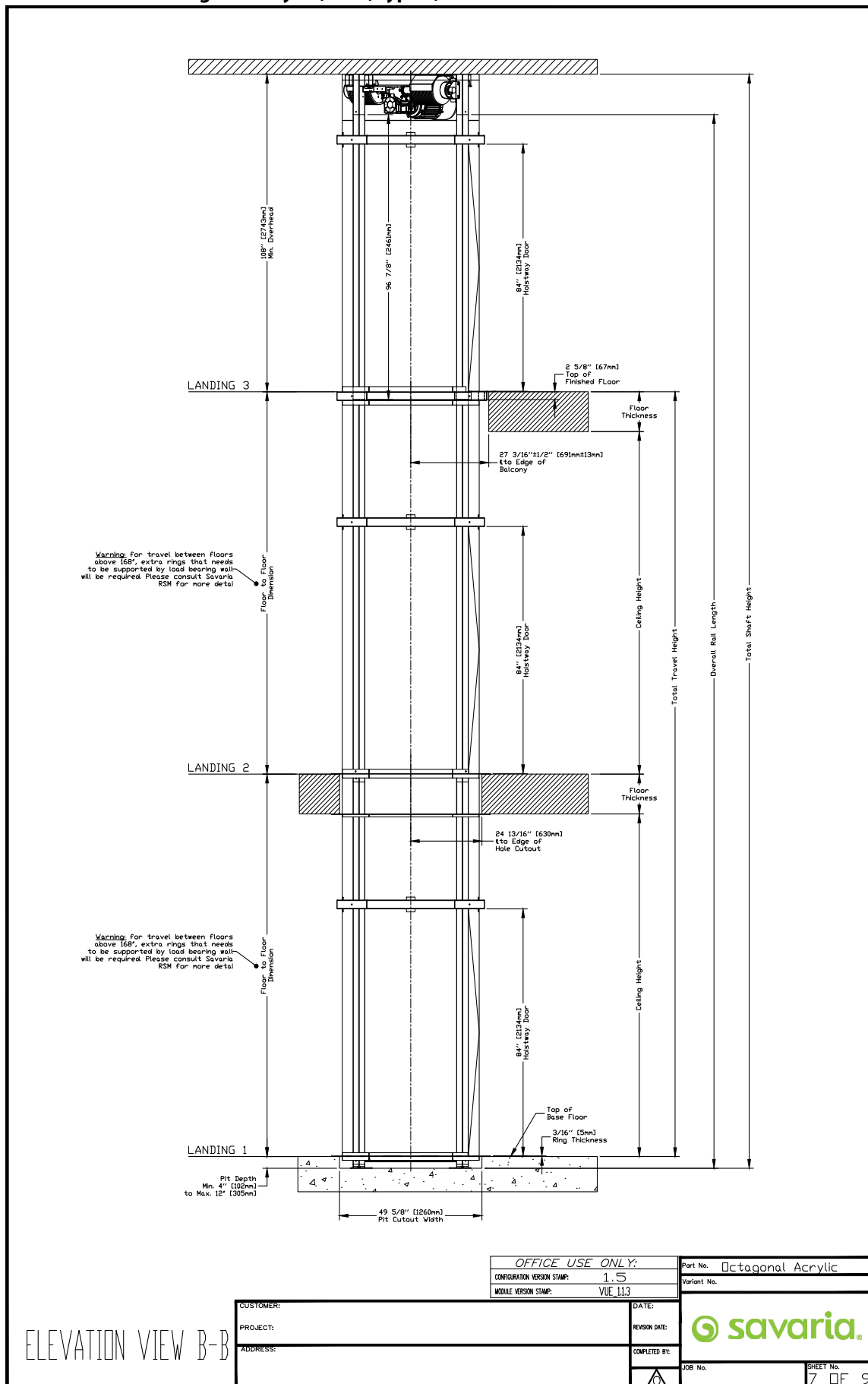


Figure 27: Pit cutout/thru-floor cutout - octagonal acrylic (OAM) type 1, 2 or 3

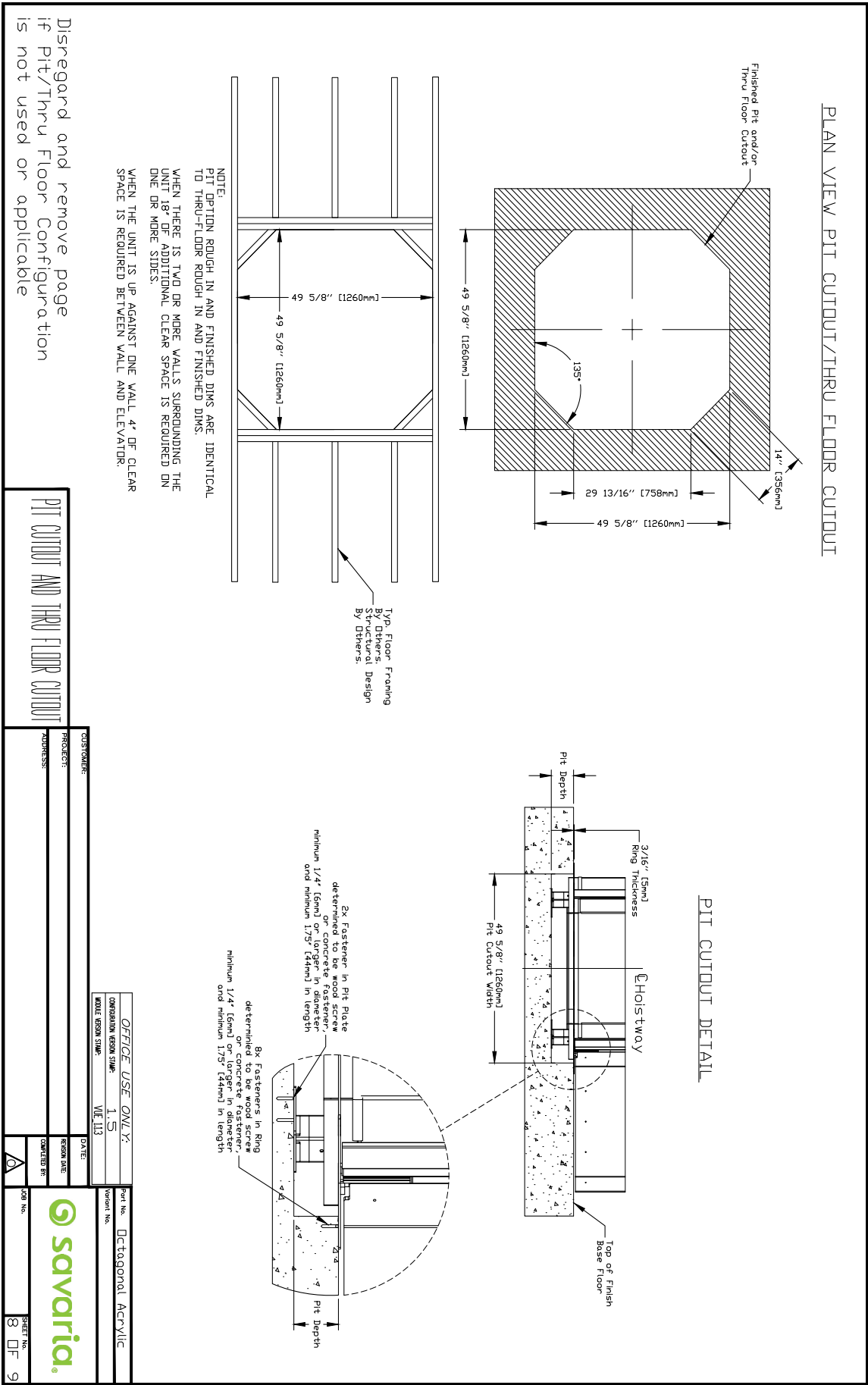
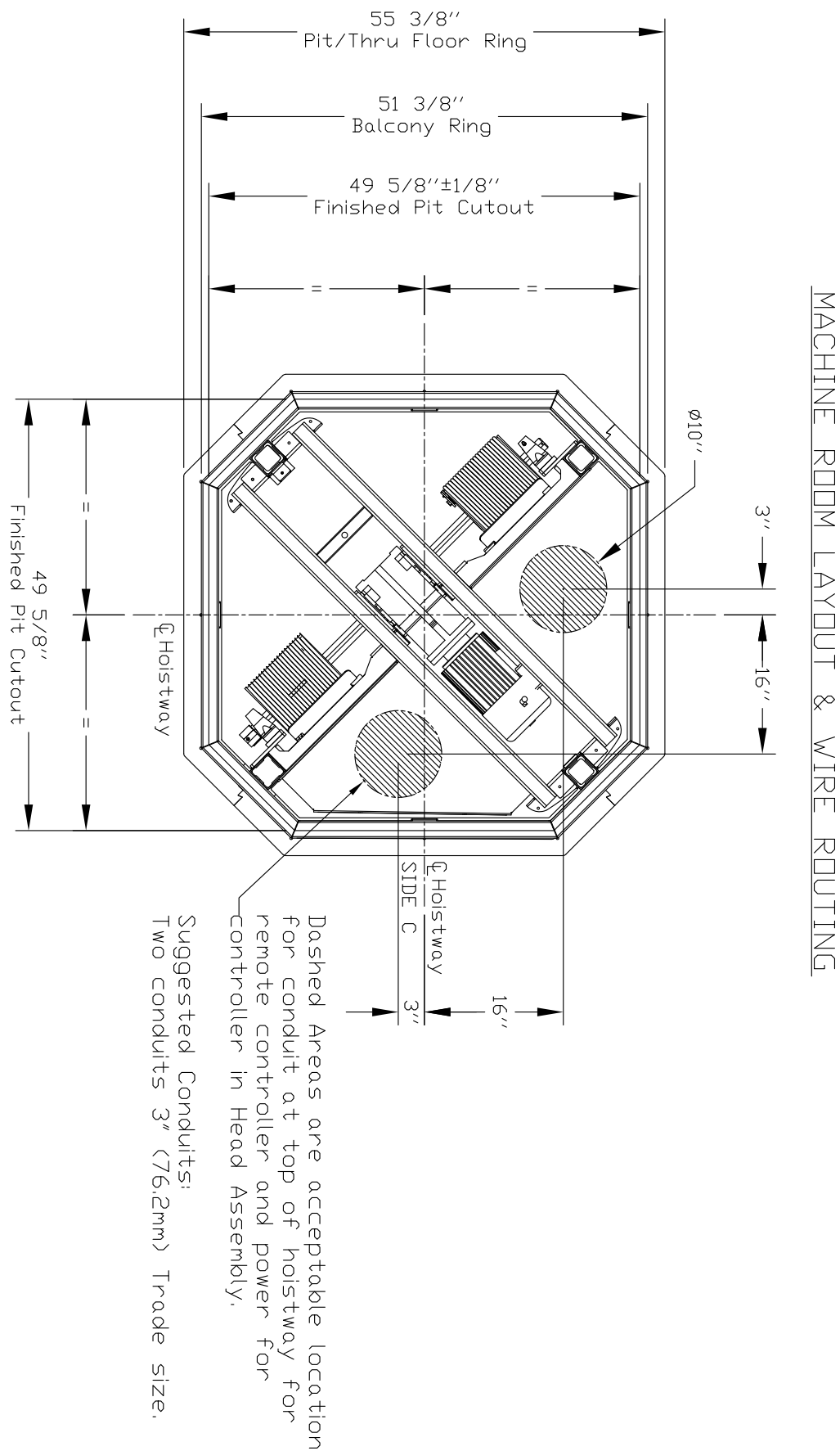


Figure 29: Machine room layout and wire routing - octagonal acrylic (OAM) type 1, 2 or 3



Model Specifications – Octagonal

Octagonal (Glass)

- Capacity: 432kg (950 lb)
- Cab Size: 1.2 sqm (12 sq. ft.)
- Clear Cab Size: 1087w x 1073d (42.8 x 42.25 in.)
- Cab Height: 2134mm (84 in.)
- Hoistway Footprint
 - Glass: 1244 x 1244mm (49 x 49 in.) 1260 x
 - Pit/Thru Floor Cutout: 1260mm (49.63 x 49.63 in.) 1304 x
 - Balcony/Header Ring: 1304mm (51.38 x 51.38 in.) 1407 x
 - Pit/Thru Floor Ring: 1407mm (55.38 x 55.38 in.)
- Minimum Overhead Clearance: 2743mm (108 in.)
for 2133 mm (84 in) cab
- Minimum Overhead Clearance: 2641 mm (104 in.)
for 2032 mm (80 in.) cab

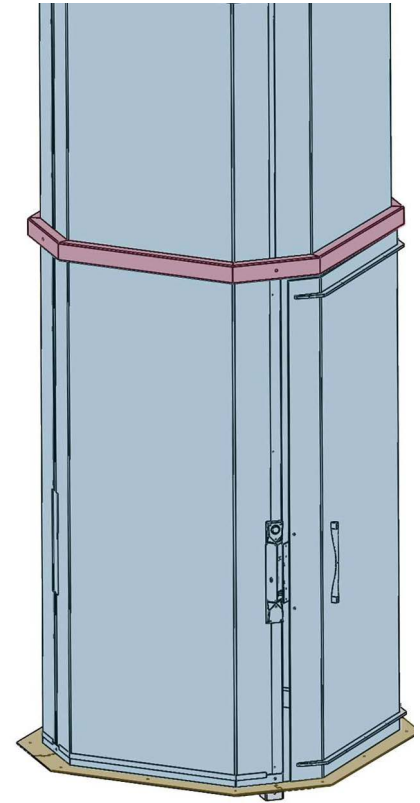


Figure 30: Plan view - octagonal glass (OGM) type 1

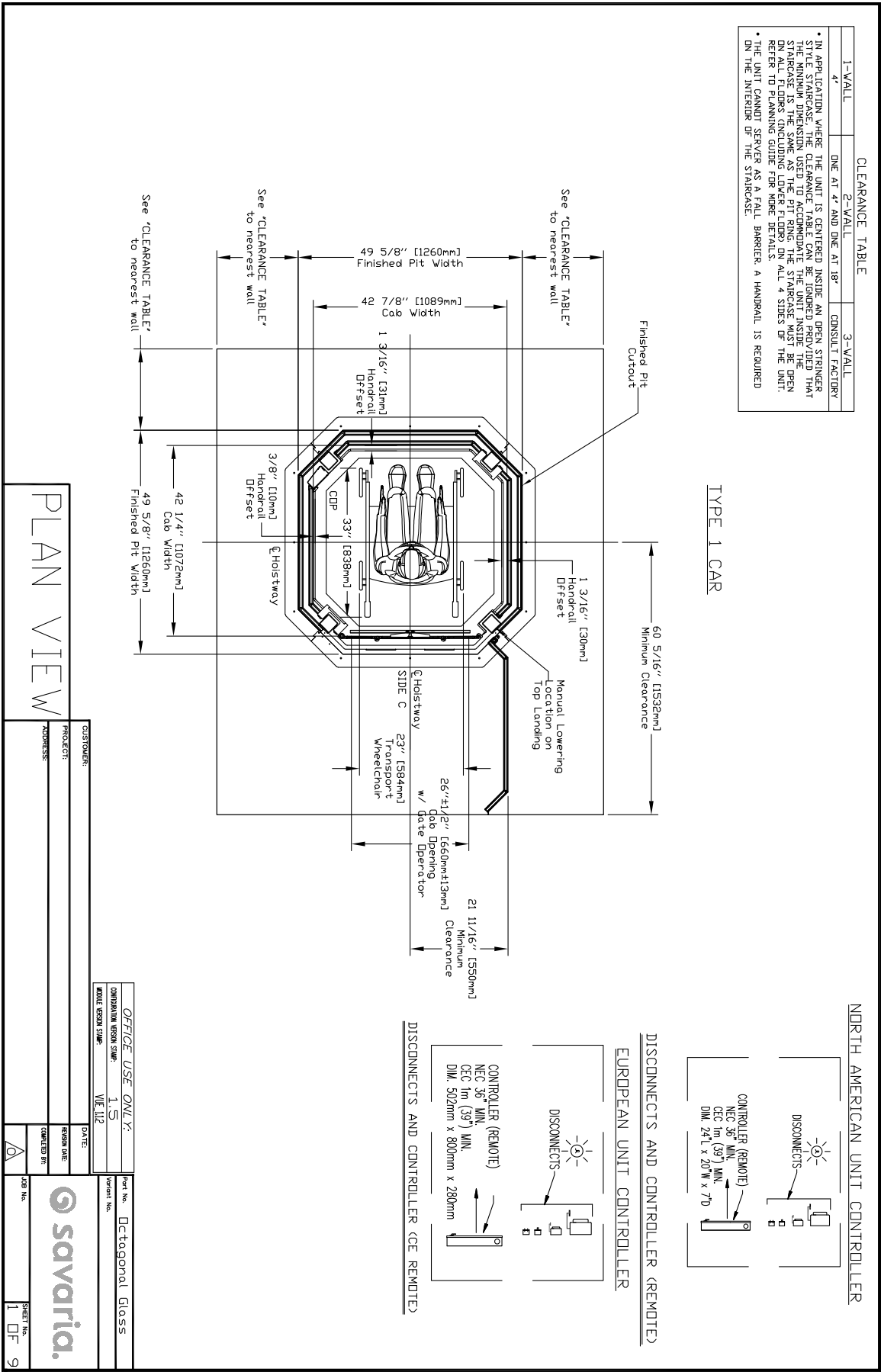
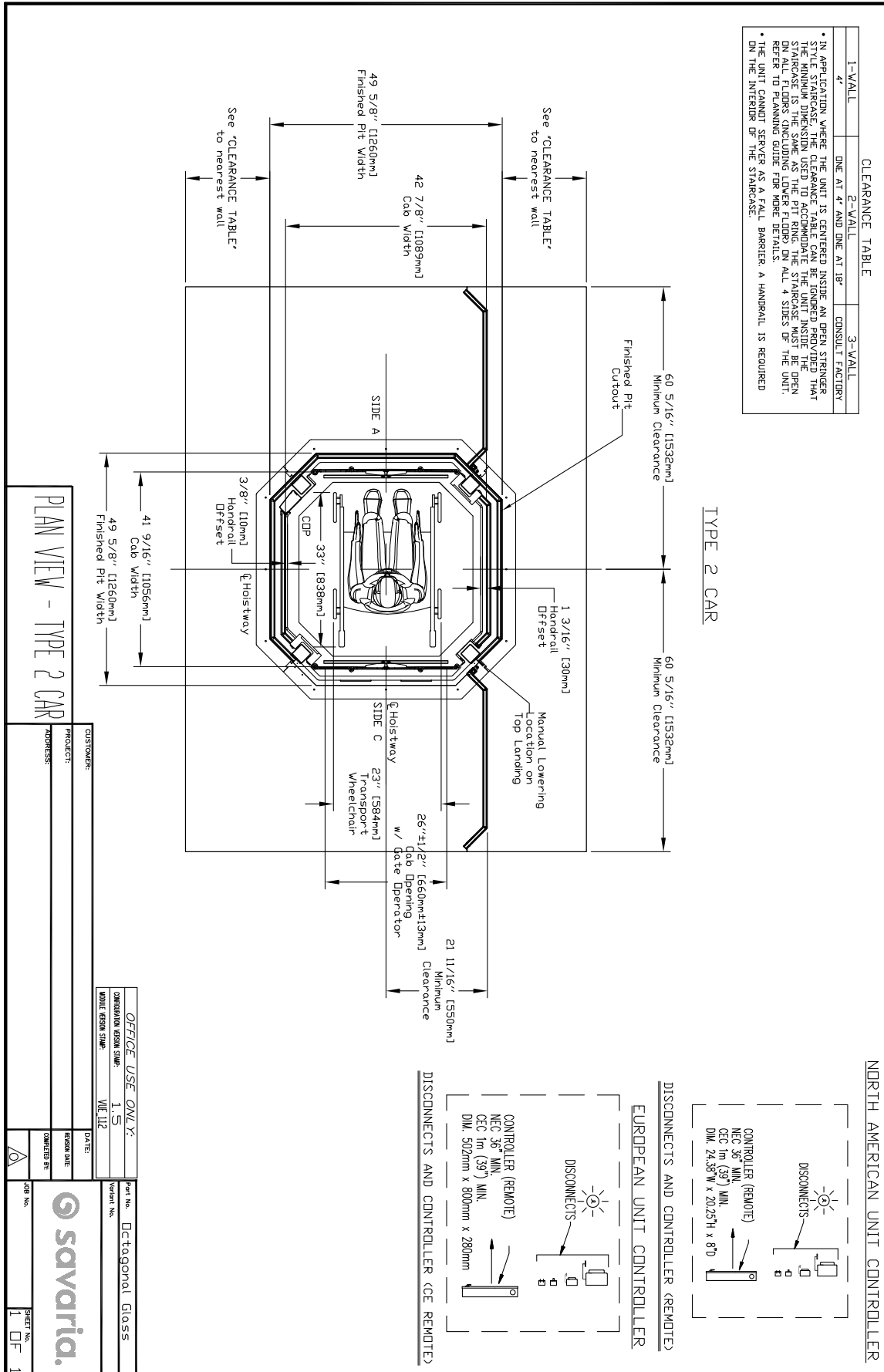


Figure 31: Plan view - octagonal glass (OGM) type 2



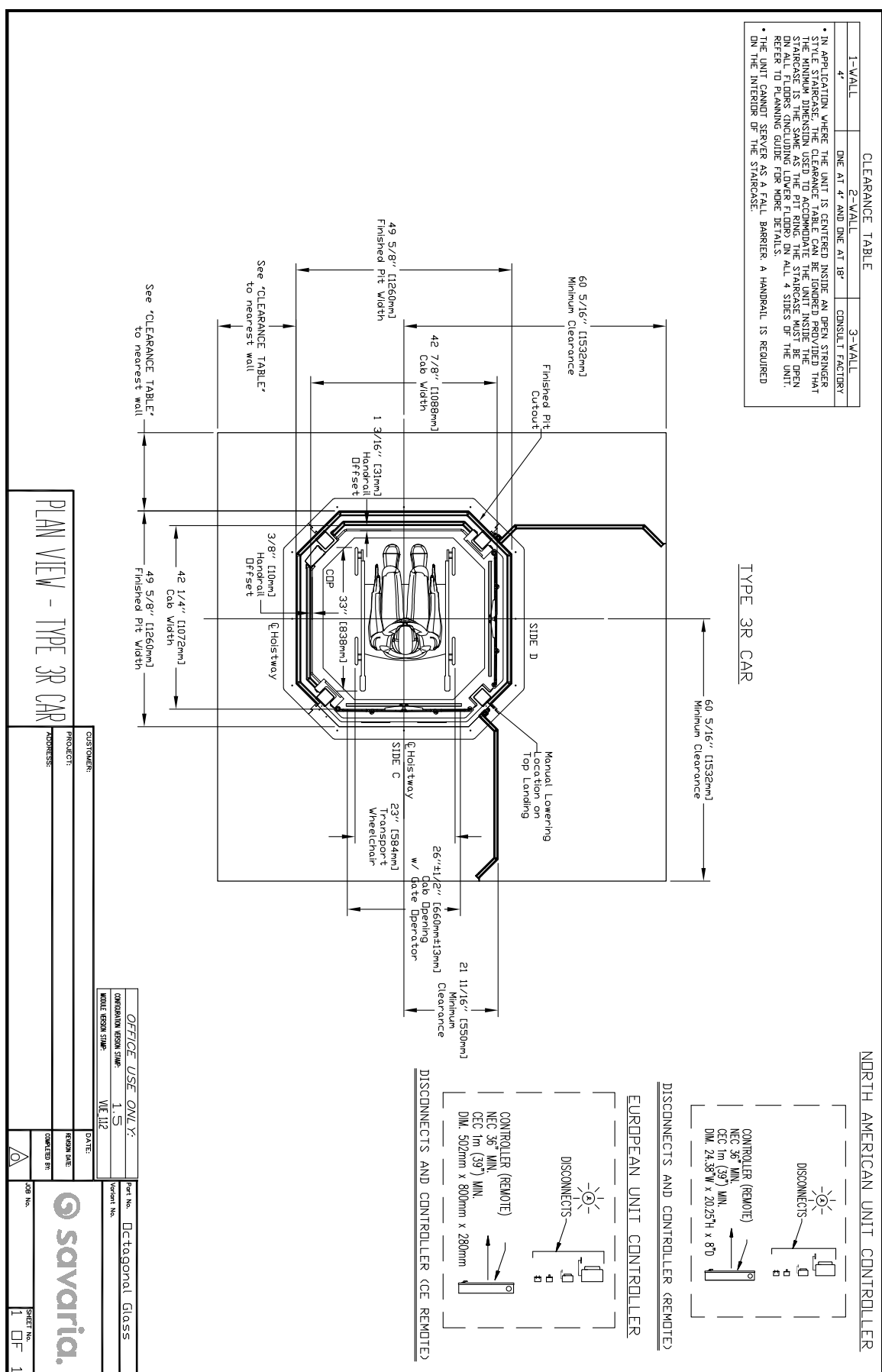


Figure 33: Pit view - octagonal glass (OGM) type 1, 2 or 3

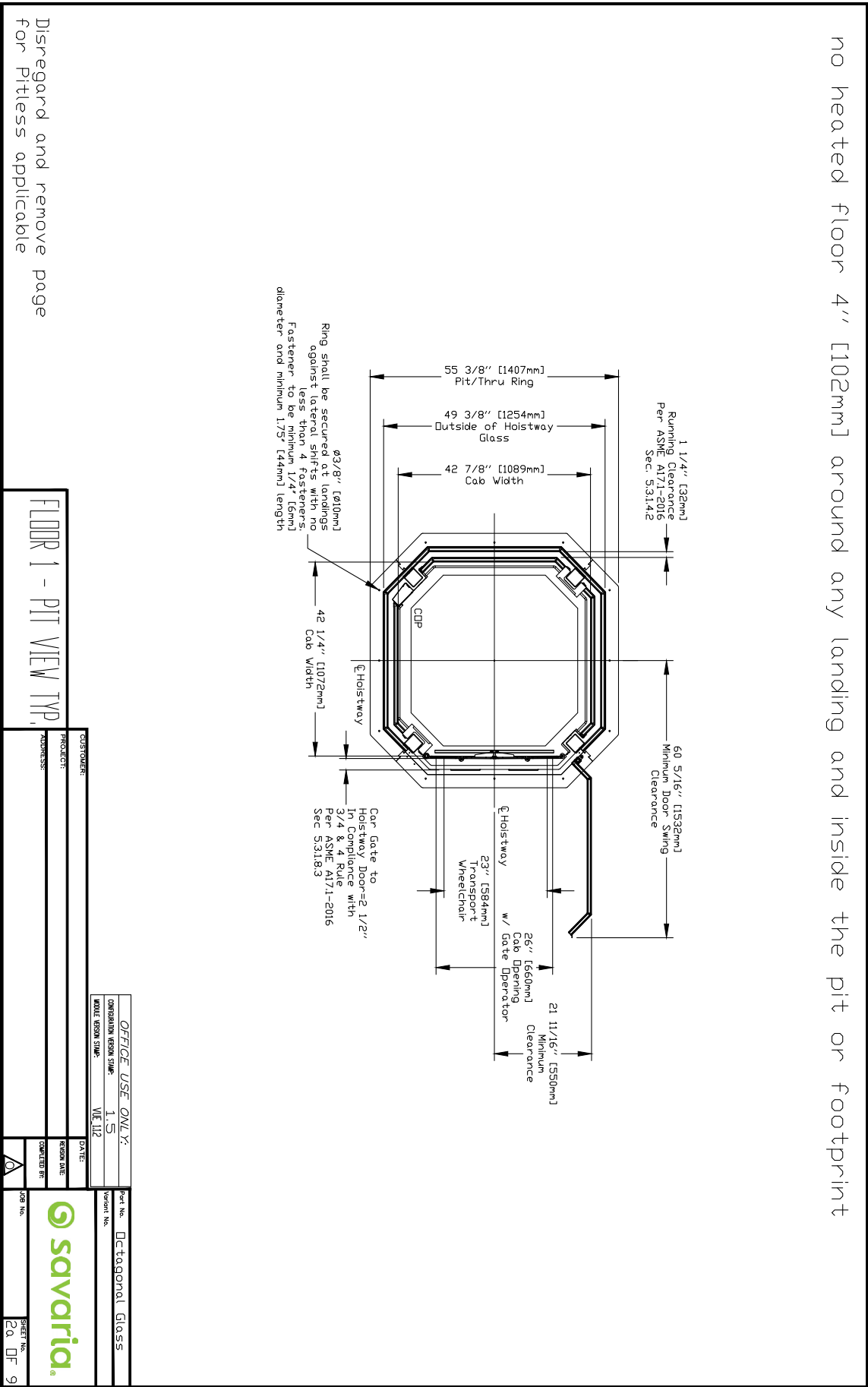
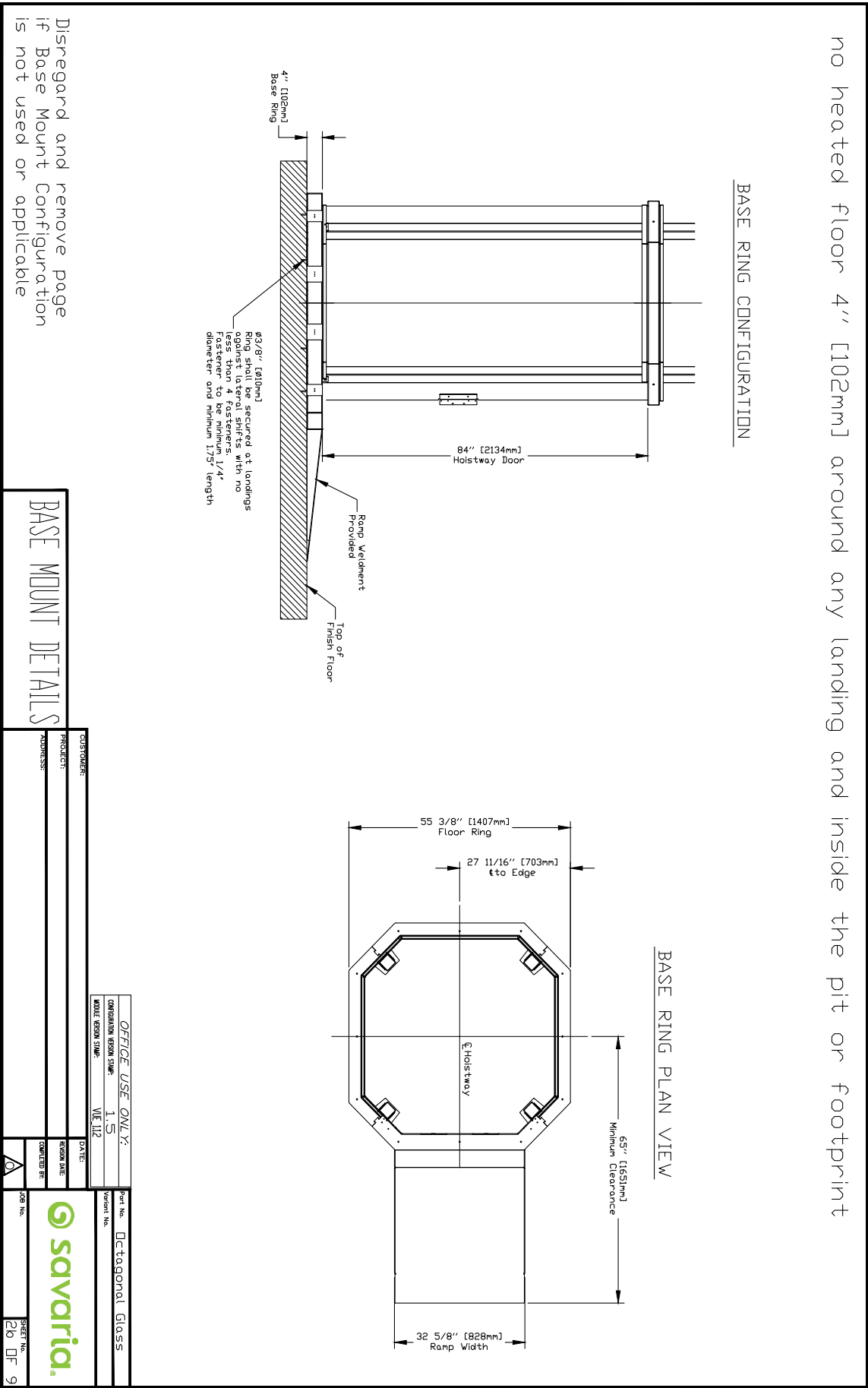


Figure 34: Base mount details- octagonal glass (OGM) type 1, 2 or 3



Technical drawing of a hoistway door assembly, showing dimensions and clearances. The drawing includes the following dimensions and labels:

- 55 3/8" [1407mm] Pit/Thru Ring
- 49 3/8" [1254mm] Outside of Hoistway Glass
- 42 7/8" [1089mm] Cab Width
- 60 5/16" [1532mm] Minimum Door Swing Clearance
- 21 11/16" [550mm] Minimum Clearance
- 26" [660mm] Cab Opening w/ Gate Operator
- 23" [584mm] Transport Wheelchair
- 42 1/4" [1072mm] Cab Width
- Ø3/8" [ø10mm]
- Ring shall be secured at landings against lateral shifts with no less than 4 fasteners. Fastener to be minimum 1/4" (6mm) diameter and minimum 1/75" (44mm) length
- Cor. Gate to Hoistway Door=2 1/2" In Compliance with 3/4 & 4 Rule Per ASME A17.1-2016 Sec 5.3.18.3
- Running Clearance Per ASME A17.1-2016 Sec. 5.3.14.2
- 1 1/4" [32mm]
- 60 5/16" [1532mm] Minimum Door Swing Clearance
- 21 11/16" [550mm] Minimum Clearance
- 26" [660mm] Cab Opening w/ Gate Operator
- 23" [584mm] Transport Wheelchair
- 42 1/4" [1072mm] Cab Width
- Ø3/8" [ø10mm]
- Ring shall be secured at landings against lateral shifts with no less than 4 fasteners. Fastener to be minimum 1/4" (6mm) diameter and minimum 1/75" (44mm) length
- Cor. Gate to Hoistway Door=2 1/2" In Compliance with 3/4 & 4 Rule Per ASME A17.1-2016 Sec 5.3.18.3
- Running Clearance Per ASME A17.1-2016 Sec. 5.3.14.2
- 1 1/4" [32mm]

FLOOR 2 - THRU FLOOR VIEW TP.

[illegible]

Figure 36: Balcony view - octagonal glass (OGM) type 1, 2 or 3

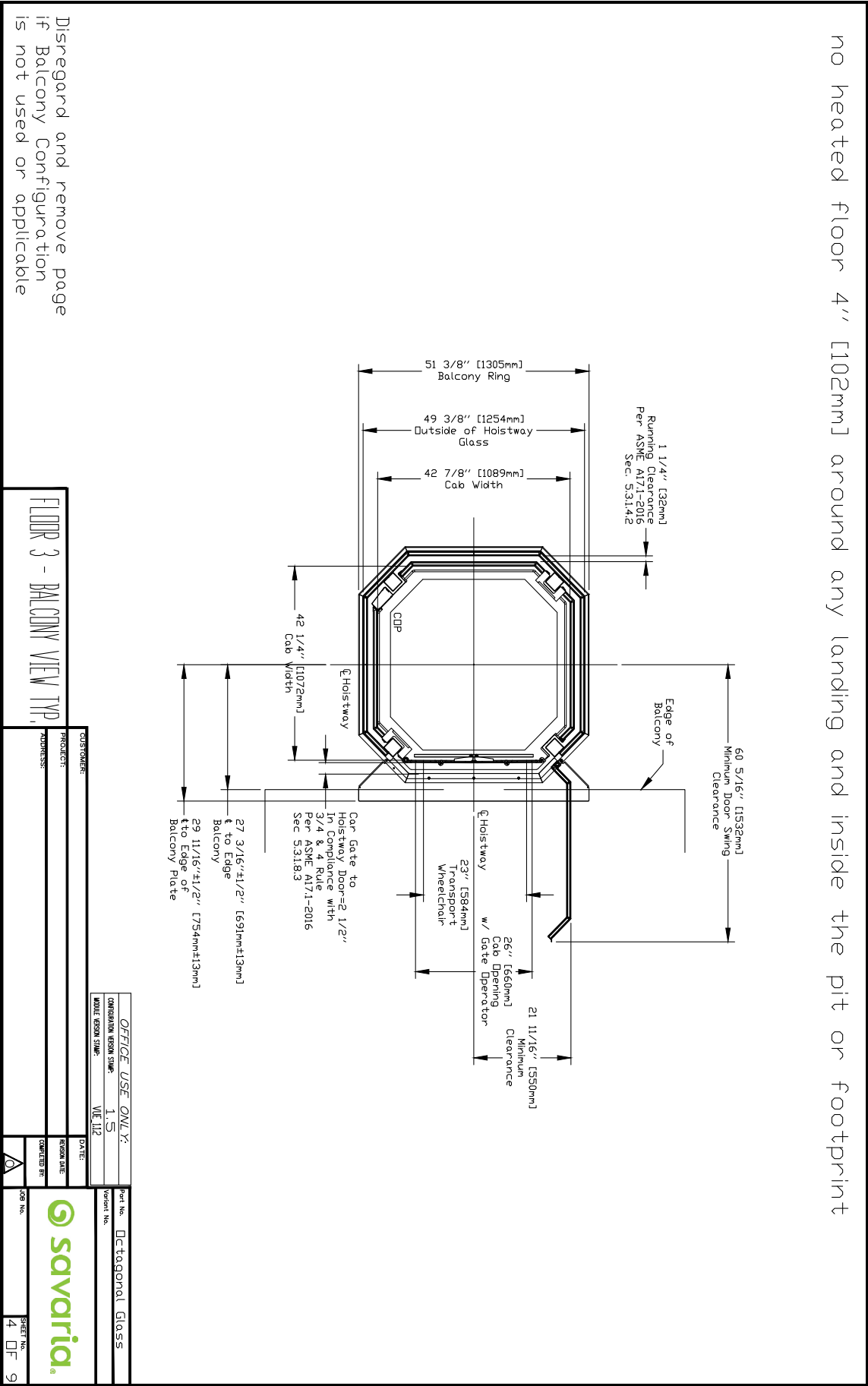


Figure 37: Balcony plate and handrail information - octagonal glass (OGM) type 1 shown



The Vuelift balcony plate provides a vertical flange on either side that can be used to mount the adjacent handrail. This plate is made of 3/16" steel and is designed to support the handrail loading and forces.

The photo above shows a finished handrail view. It is important to note that the spacing between the handrail post and the elevator shaft is 1" (25.4 mm) to allow sufficient clearance for the operation of the hoistway door and the hall call button.

NOTE: Installing the handrail on top of the balcony plate is NOT permitted as it will interfere with the door opening operation and door clearances.

Figure 38: Thru-floor detail - octagonal glass (OGM) type 1, 2 or 3

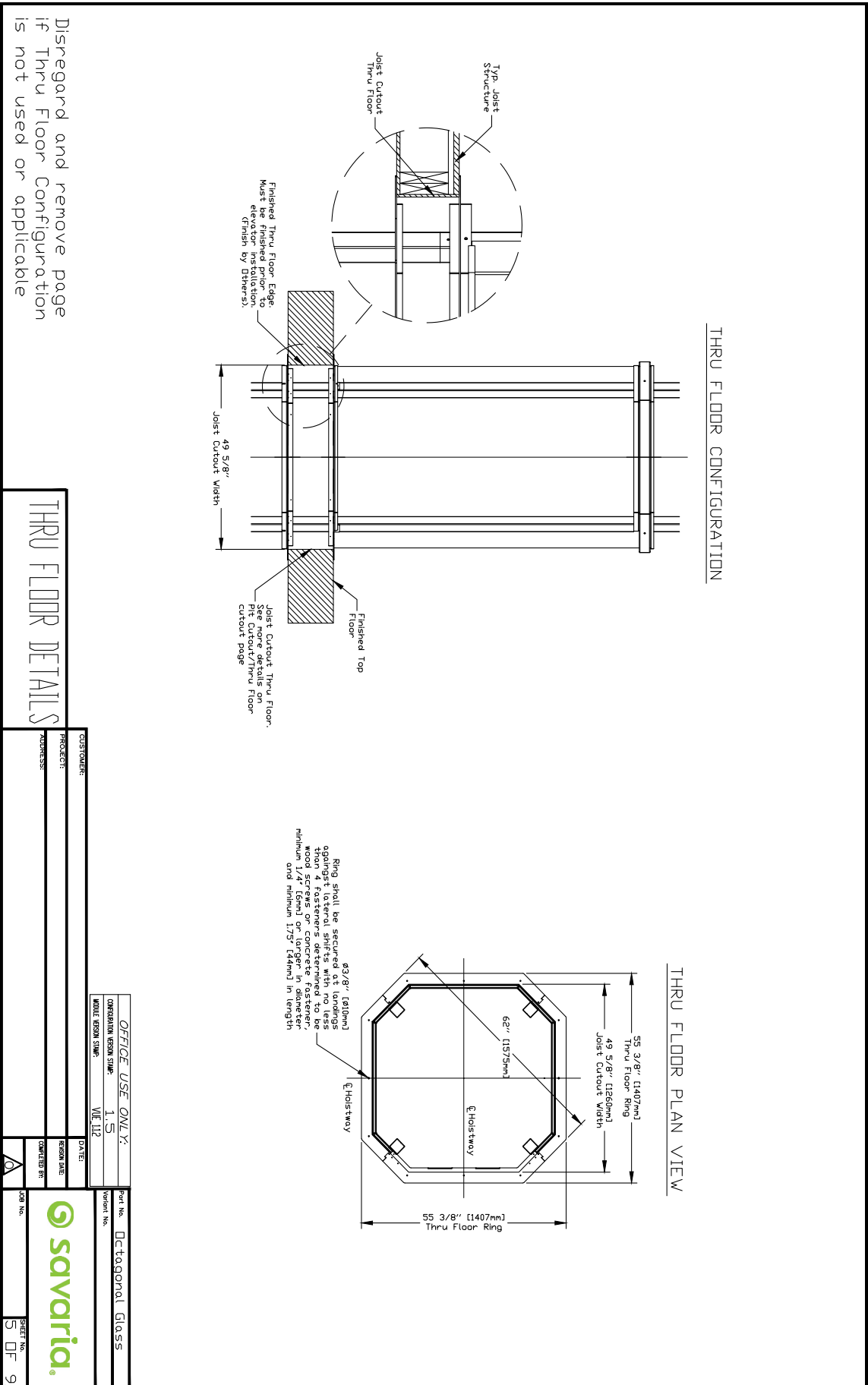


Figure 39: Balcony detail - octagonal glass (OGM) type 1, 2 or 3

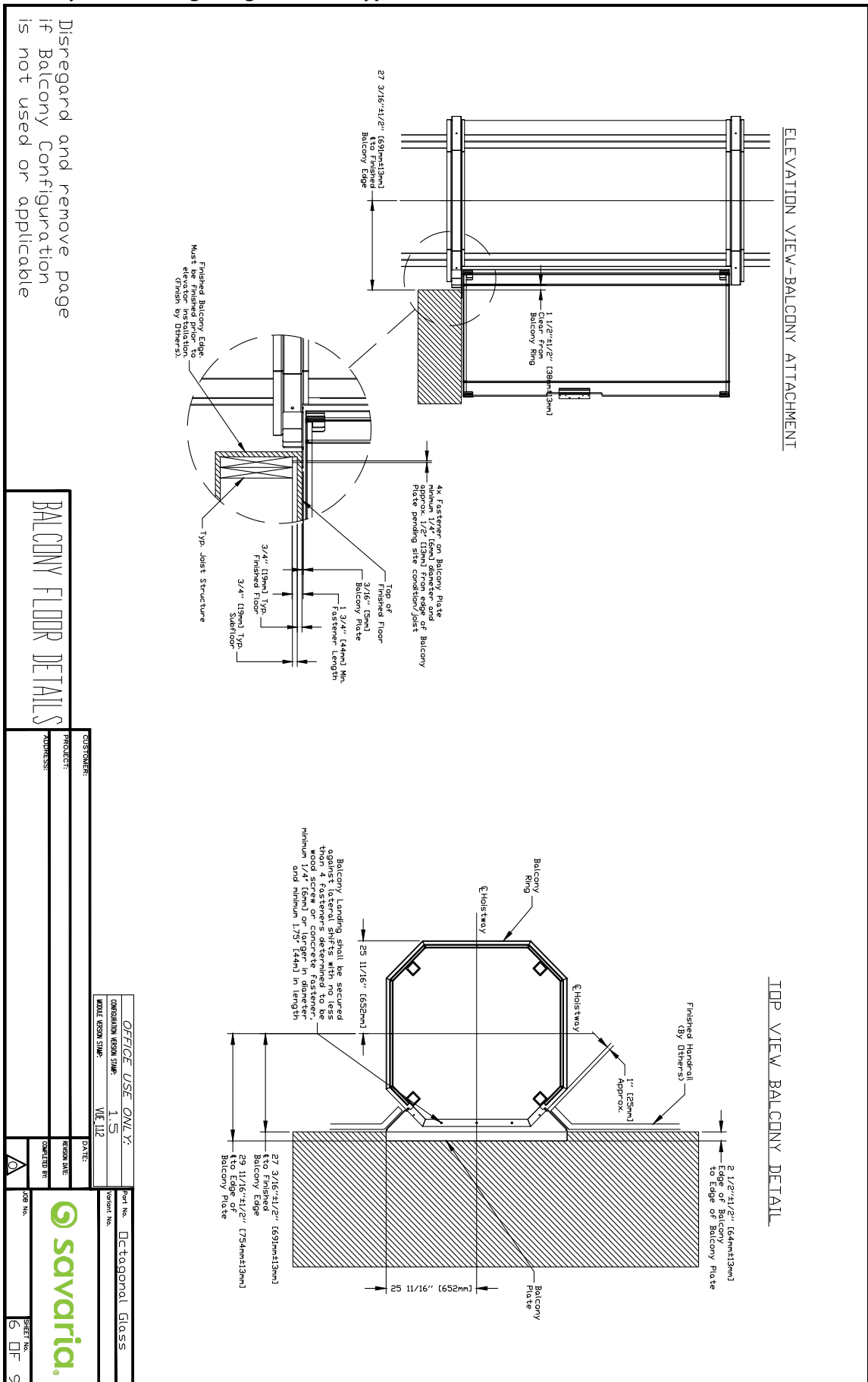


Figure 40: Elevation view - octagonal glass (OGM) type 1, 2 or 3

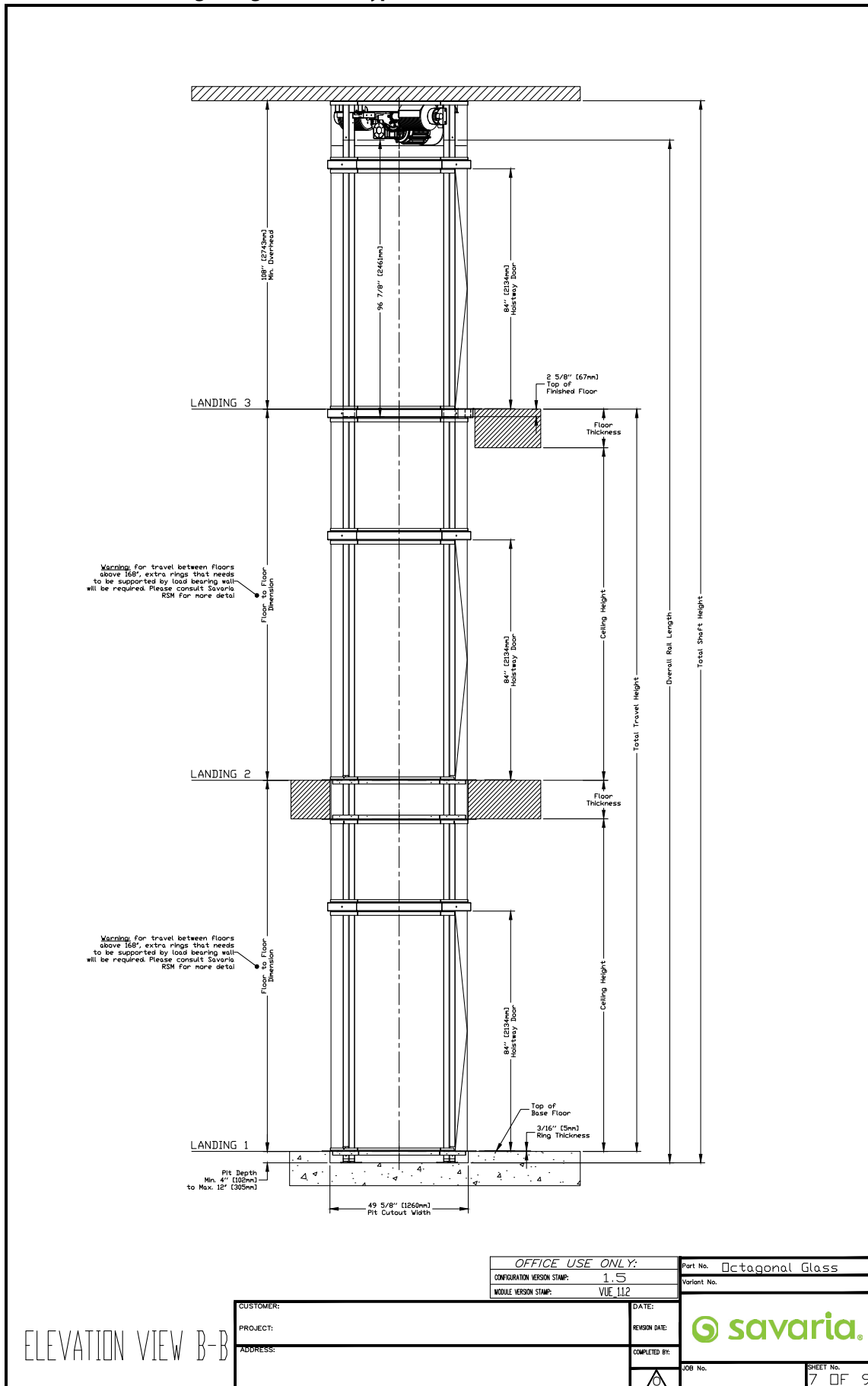
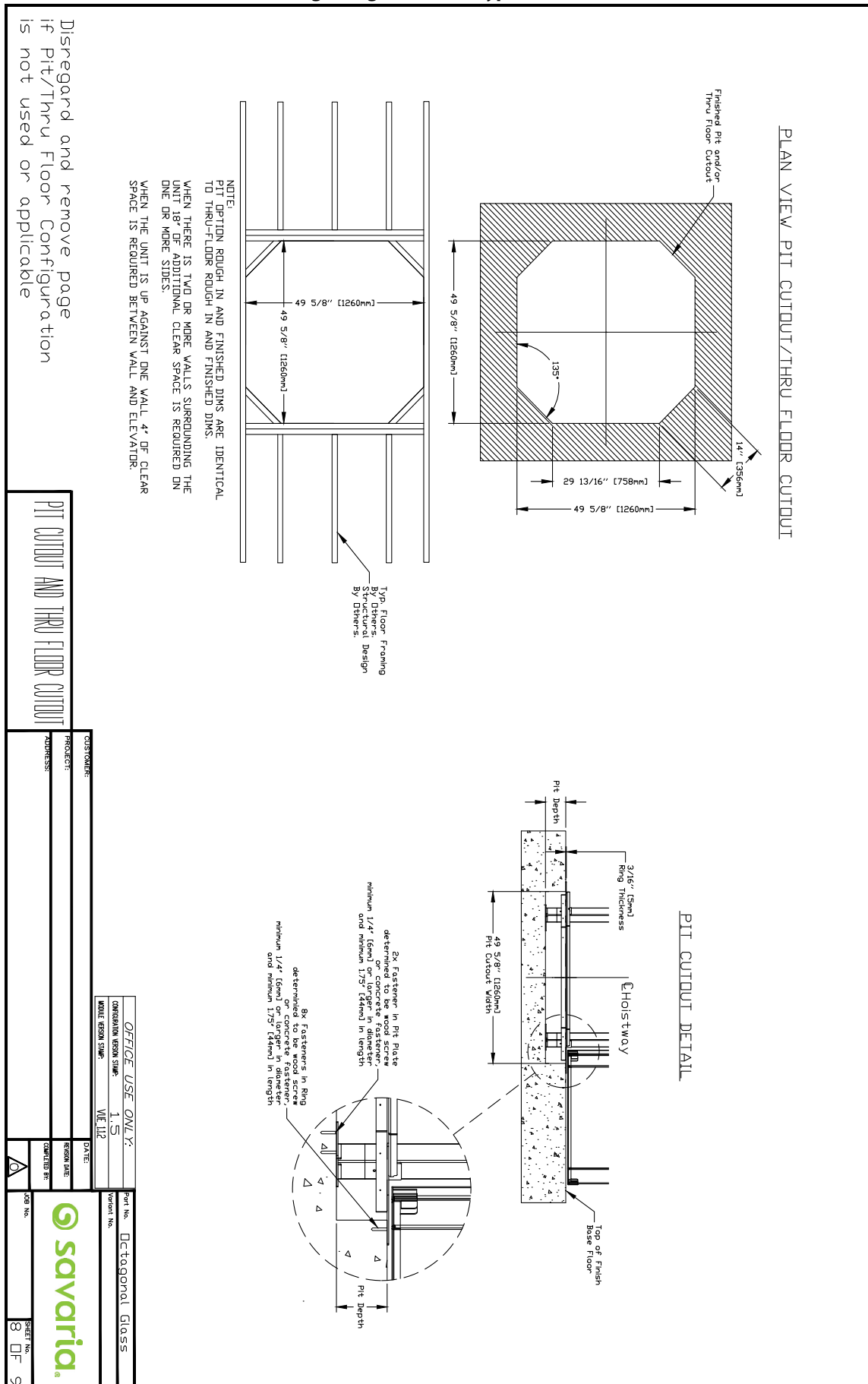


Figure 41: Pit cutout/thru-floor cutout - octagonal glass (OGM) type 1, 2 or 3



Part No. 001123, 21-m06-2022

Figure 43: Machine room layout and wire routing - octagonal glass (OGM) type 1, 2 or 3

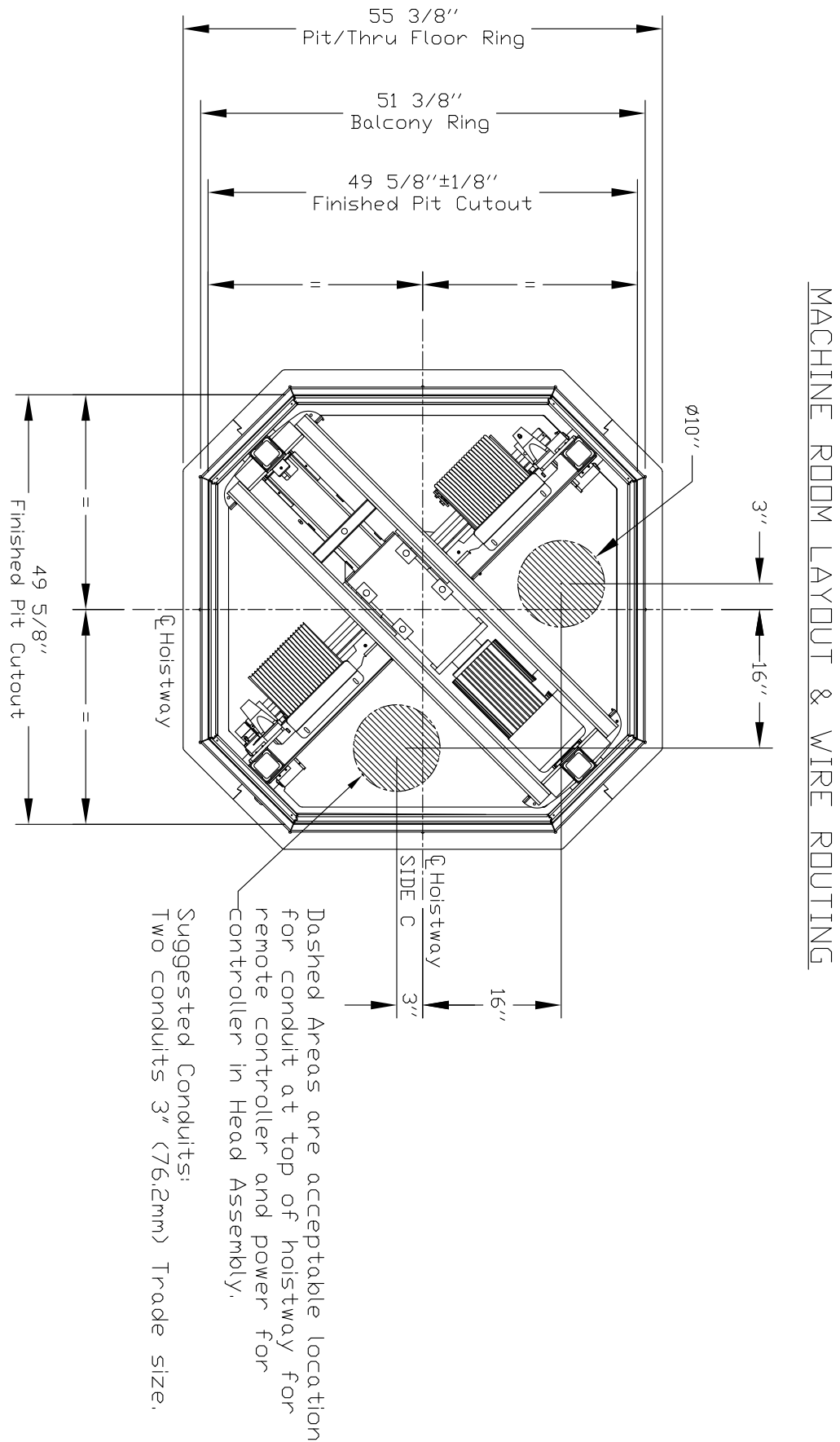
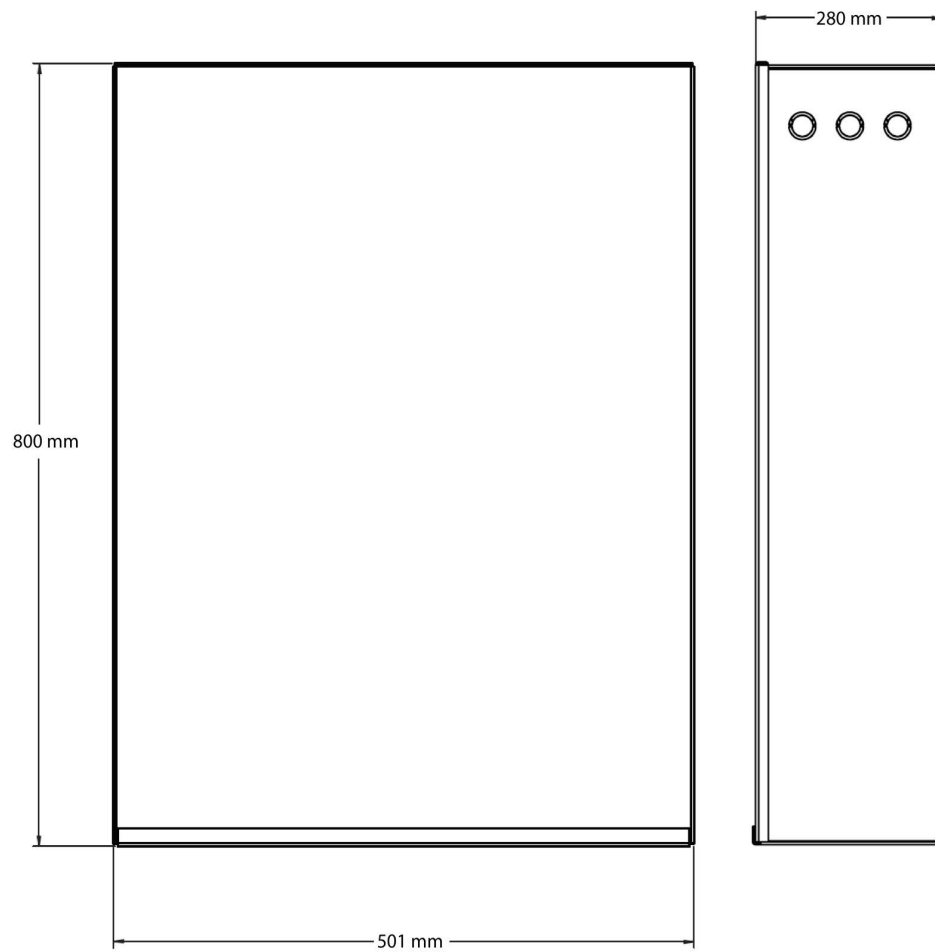


Figure 44: Controller box dimensions - octagonal acrylic & octagonal glass (OAM & OGM), type 1, 2 or 3

Chapter 3:

Round+ Glass (RGL)



Specifications - Round+ Glass (RGL)

Specification	Specification Data
Load capacity	950 lb (432 kg)
Maximum travel	50 ft (15.24 m); 55 ft (16.76 m) where a variance is possible
Travel speed	40 ft/min (0.20 m/s)
Noise level (for typical installation)	65 dB
Daily cycle	Normal: 40 Heavy: 80 Excessive: 150 Maximum starts in 1 hour on standard installation: 20 NOTE: Please consult your Sales Representative if there a chance you may exceed these amounts.
Maximum levels serviced	6
Minimum overhead	108" (2743mm) for 84" (2133mm) cab 104" (2641mm) for 80" (2032mm) cab
Cab	Cab interior height RGL: 84 in (2.13 m) Cab interior height RGL: 80 in (2.03 m) Cab floor area RGL: 15.00 sq ft (1.4 sq m) Cab weight RGL: 1200 lb (545 kg)
Floor by others (in cab)	3/4" (19 mm) maximum
Footprint	Round+ glass: 58.4" (1.48 m) diameter
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 3/8" diameter) Construction: IWRC 7 x 19 RHRL Nominal strength: 14,400 lb (6,545 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: 5.0HP (3.5 KW) with integrated brake Transmission: Low vibration, worm gear drive Motor control: Preprogrammed variable frequency drive Door interlocks: Xtronics
Pit/floor load	Refer to the section "Load Calculations"
Distance between 2 landings	93.5" (2375 mm) minimum
Pit depth	4" - 12" (102 mm - 305 mm)
Temperature operating range (environment)	- 10°C to + 40°C / 14°F to 104°F NOTE: 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 Electrical circuit overspeed Manual lowering Emergency battery back-up for cab lighting and lowering
Options	Optional configurations: Type 2, 3R, 6 Optional colors: • White (Texture White PX521W859) • Silver (Texture Silver PX521S343) • Custom powder-coat frame Note that Black is the standard color (Texture Black PX622N365) Other options: Up to 6 stops, balcony attachment Savaria Link remote monitoring (Vuelift Micro-6 only) Landing door handle painted to match unit Top header ring in sheet metal painted to match unit

Safety First - Round+ Glass (RGL)

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 (see drawing on next page):

- 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 Residential Elevator design is with a maximum 1.25" (32 mm) running clearance.

Electrical Requirements - Round+ Glass (RGL)

Your electrician and phone installer must supply the following connections:

- Main Disconnect - One 230V single-phase, 30 Amp fused disconnect box with 30 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.

Recommended Manufacturers for Fused Disconnect

Square D

- Main disconnect: 230V single-phase disconnect model # H221N.
240V, 30 Amp with Interlock Kit - ELK031 Aux Contacts (normally opened/normally closed).
In addition, two each - 250V, 30 Amp, RK5 fuses.
- Lighting disconnect: 120V, 15 Amp fused disconnect or circuit breaker.

Siemens

- Main disconnect: 230V single-phase disconnect model #HF221N.
240V, 30 Amp with Interlock Kit-HA 161234 Aux Contacts (normally opened/normally closed).
In addition, two each - 250V, 30 Amp, RK5 fuses.
- Lighting disconnect: 120V, 15 Amp fused disconnect or circuit breaker.

G.E.

- Main disconnect: 230V single-phase disconnect model # TH3221.
240V, 30 Amp with Interlock Kit - THAUX21D Aux Contacts (normally opened/normally closed).
In addition, two each - 250V, 30 Amp, RK5 fuses.
- Lighting disconnect - 120V, 15 Amp fused disconnect or circuit breaker.

Cutler Hammer

- Main disconnect: 230V single-phase disconnect model # DH221NGK.
240V, 30 Amp with Interlock Kit - THAUX21D Aux Contacts (normally opened/normally closed).
In addition, two each - 250V, 30 Amp, RK5 fuses.
- Lighting disconnect: 120V, 15 Amp fused disconnect or circuit breaker.

Recommended manufacturers for circuit breakers at the distribution panel (and the distribution panel itself): Square D or Siemens only.

Provisions By Others - Round+ Glass (RGL)

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	30 Amps	230 Volts	Single
Cab lights	15 Amps	15 Amps	115 Volts	Single
Pit light	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.

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.

Savaria Link Option (Vuelift Micro-6 Only)

If you have the Savaria Link Ethernet remote monitoring option, ensure that you have an Ethernet connection with Internet capability in the vicinity of the unit's controller.

If you have the Savaria Link Wireless remote monitoring option, ensure that you have a wireless signal with Internet capability in the vicinity of the unit's controller.

Site Preparation - Round+ Glass (RGL)

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 4" must be provided. 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

- 108" (2743mm) for 84" (2133mm) cab minimum overhead distance from upper floor level to the underside of the finished ceiling for standard cab configuration. (standard)
- 104" (2641 mm) for 80" (2032 mm) cab minimum overhead distance from upper floor level to the underside of the finished ceiling for modified short cab configuration. (optional)

Drywall and Painting

- All drywall and painting must be complete.

Load Calculations - Round+ Glass (RGL)

- 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.
- Each middle floor carries a separate Mid Floor Load supporting only that floor's metal floor rings, while the main cab/hoistway load (Lower Floor Total Load) is transferred fully to the bottom floor.
- Walls of bricks, terra-cotta, hollow blocks, and similar materials shall not be used for attachment of column (guide rail) brackets unless adequately reinforced.
- All mid floors including the bottom floor may be subjected to a maximum lateral load of 250 lb.
- 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, the figures below 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.

Lower Floor Dead Load (lbs) = (114 x feet of hoistway) + (370 x number of floors) + 3041 lbs

Lower Floor Dead Load (Kg) = (170 x meter of hoistway) + (168 x number of floors) + 1379 Kg

Lower Floor Impact Load (lbs) = 9542 lbs (4328 Kg)

Lower Floor Total Load (lbf) = Dead Load + Impact Load

Mid Floor Load (lbf) = 250 lbs (113kg)

Shipping Weight (lb) = (1226 x number of floors) + 3041

Note: Shipping weight includes all actual part weights for lower and mid floor loads using 12' per floor, plus shipping packaging weight.

Drawings - Round+ Glass (RGL)

Round+ Glass (RGL)

- Plan view
- Pit view
- Base mount details
- Thru-floor view
- Balcony view
- Balcony plate and handrail information
- Thru-floor details
- Balcony details
- Elevation view
- Elevation view (showing extra header rings for floor-to-floor height >14 ft)
- Pit cutout/thru-floor cutout
- Datasheet
- Machine room layout and wire routing

Model Specifications – Round+

Round+ (Glass)

- Capacity: 432kg (950 lb) 1.4
- Cab Size: sqm (15 sq. ft.)
- Clear Cab Size: 1349mm (53.13 in.)
- Cab Height: 2134mm (84 in.)
- Hoistway Footprint
 - Glass: 1483mm (58.4 in.)
 - Pit/Thru Floor Cutout: 1502mm (59.13 in.)
 - Balcony/Header Ring: 1543mm (60.75 in.)
 - Pit/Thru Floor Ring: 1654mm (65.13 in.)
- Minimum Overhead Clearance: 2743mm (108 in.)
for 2133 mm (84 in.) cab
- Minimum Overhead Clearance: 2641mm (104 in.)
for 2032 mm (80 in.) cab

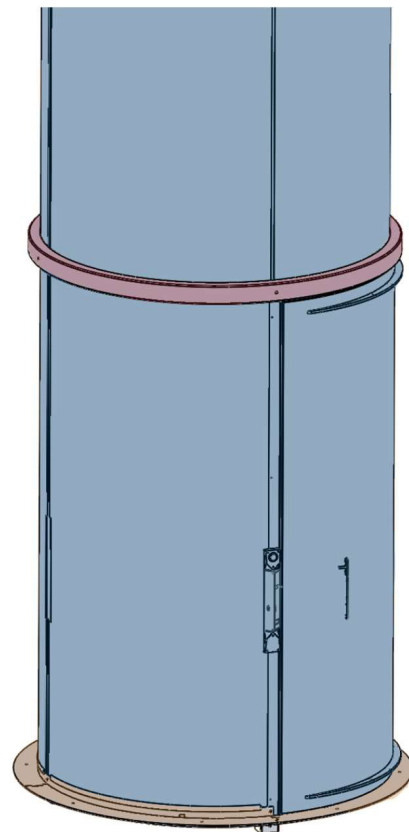
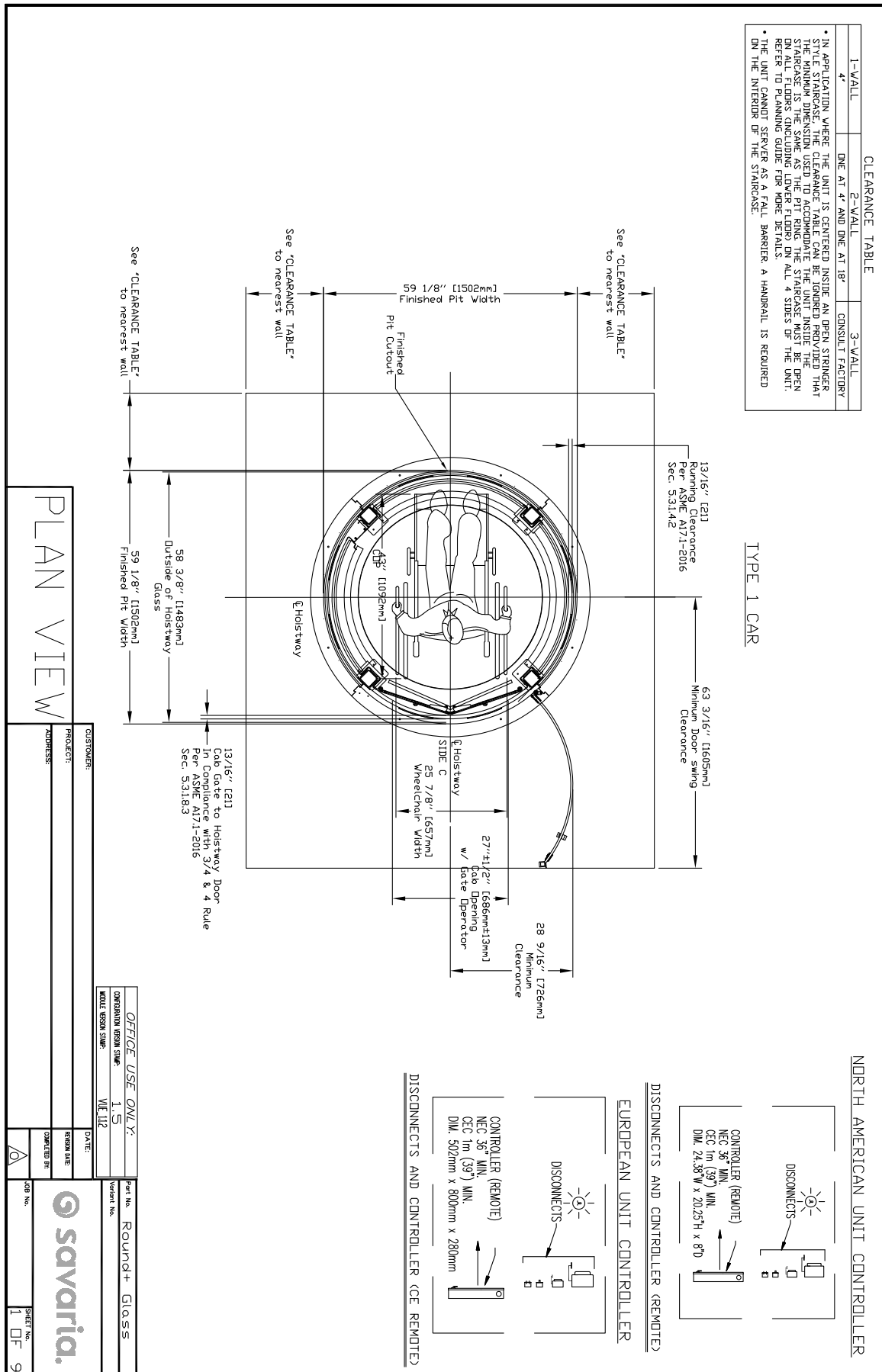


Figure 45: Plan view - round+ glass (RGL), type 1



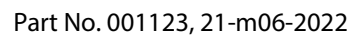


Figure 47: Plan view - round+ glass (RGL), type 3

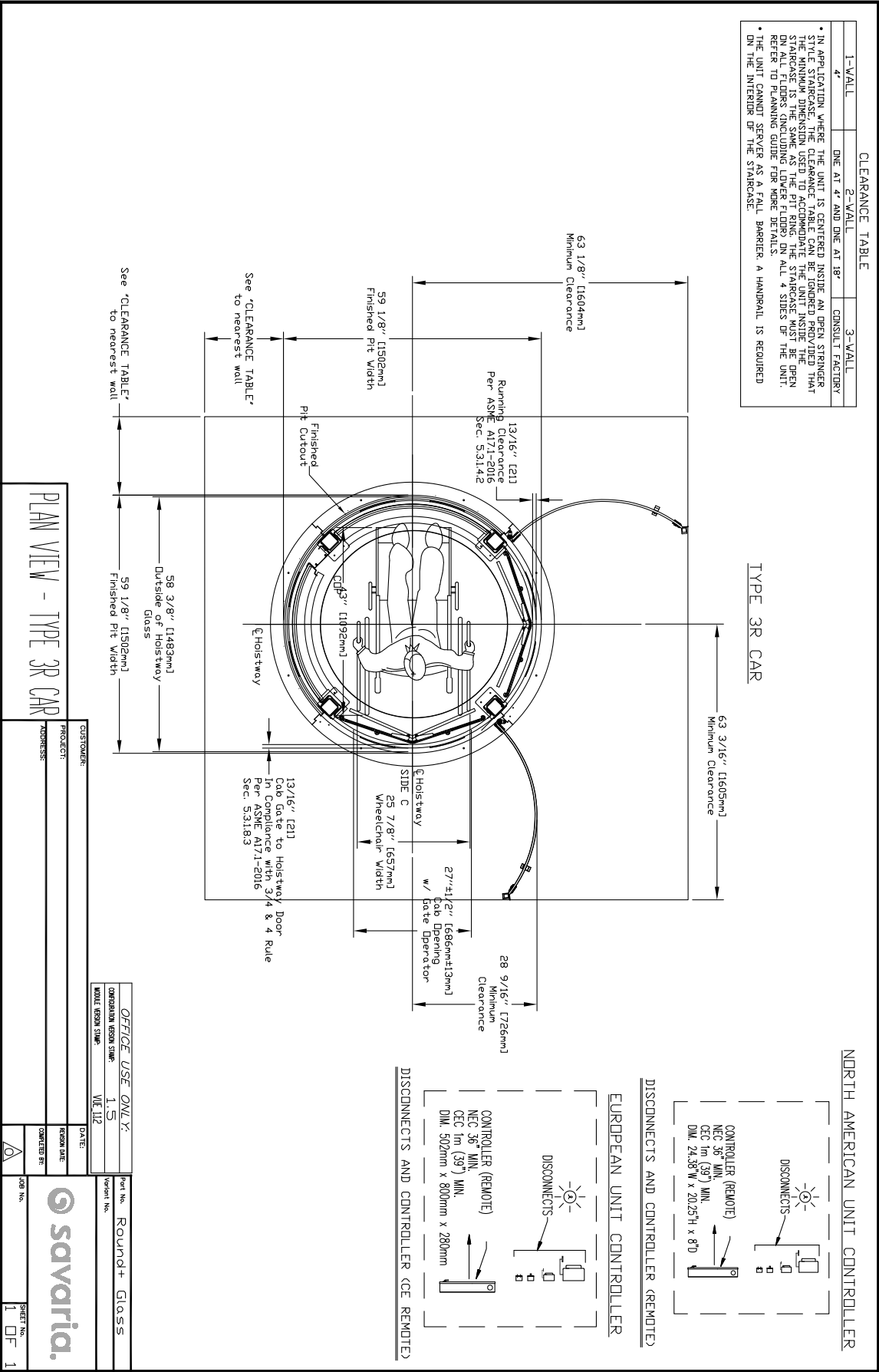
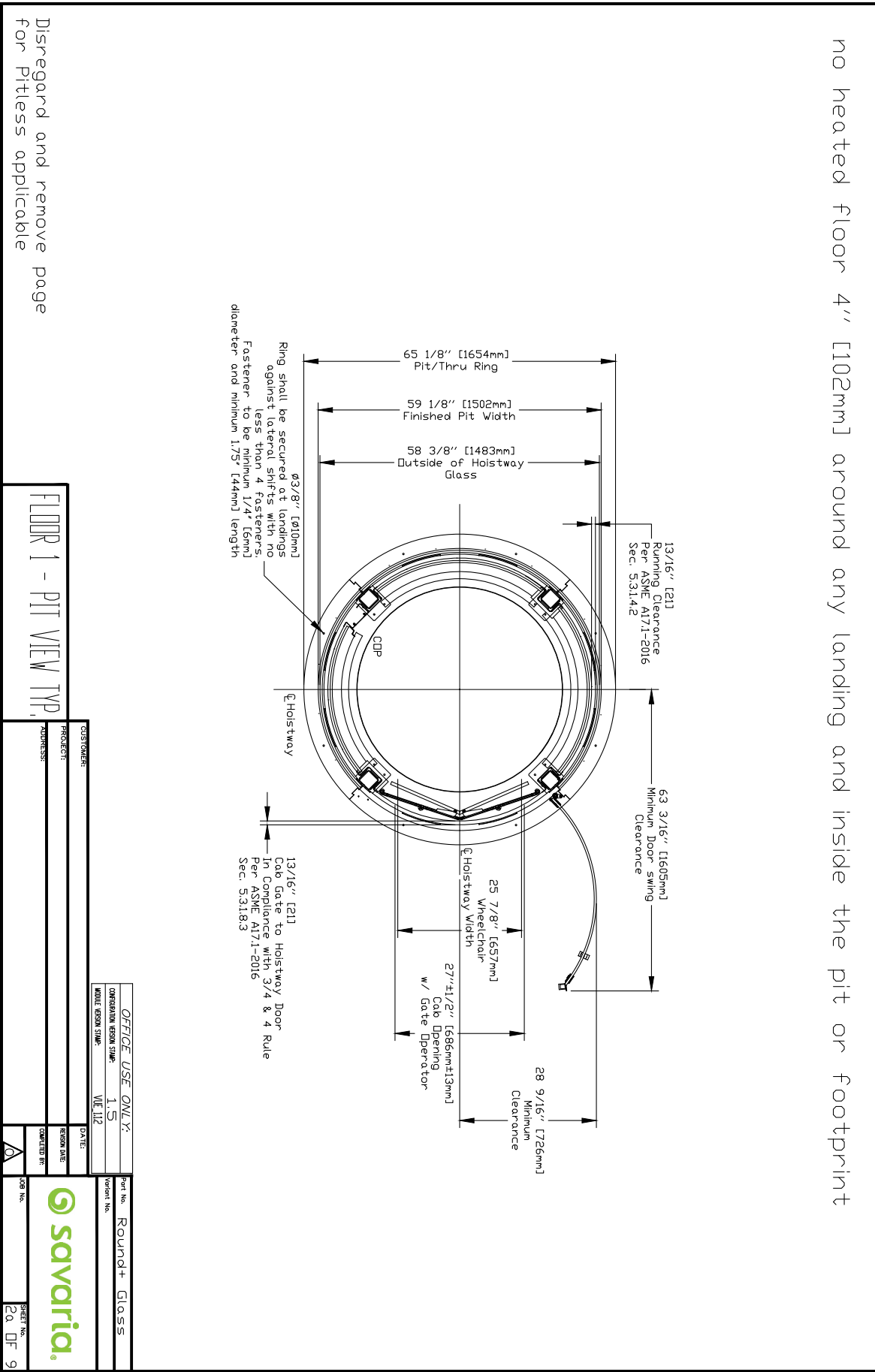
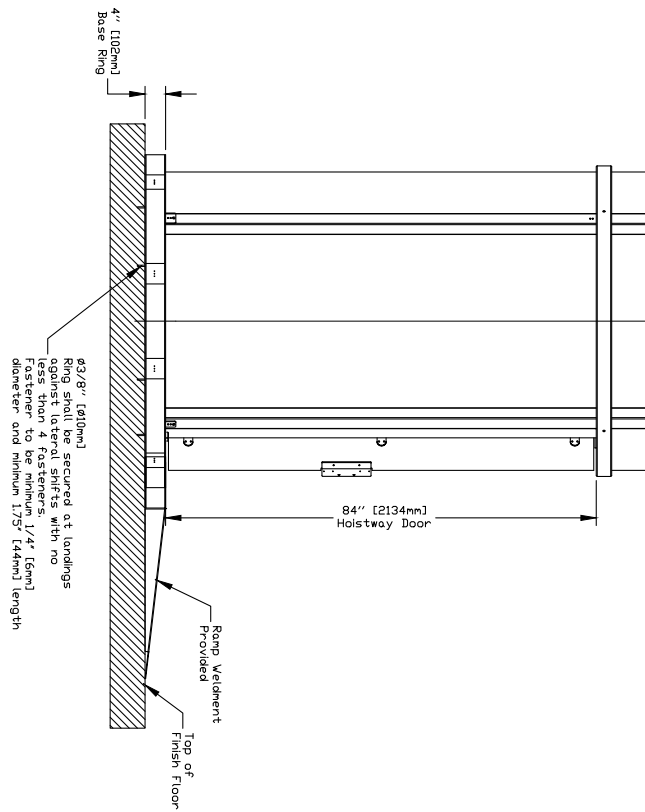


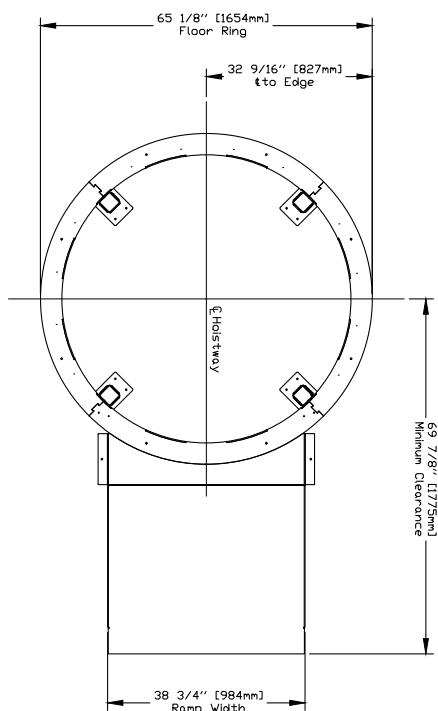
Figure 48: Pit view - round+ glass (RGL) type 1, 2 or 3



BASE RING CONFIGURATION



BASE RING PLAN VIEW



Disregard and remove page if Base Mount Configuration is not used or applicable

BASE MOUNT DETAILS

CUSTOMER:		OFFICE USE ONLY: CONVICTION RECORD STATE: 1.5 MODEL RECORD STATE: WIE 112	
PROJECT:		REGION DATE:	
ADDRESS:		COMPLETED BY:	
		DATE:	
		 savariaid.	
		Part No.	Round+ Glass
		Model No.	
		SHEET No.	26 OF 5

Figure 50: Thru-floor view - round+ glass (RGL) type 1, 2 or 3

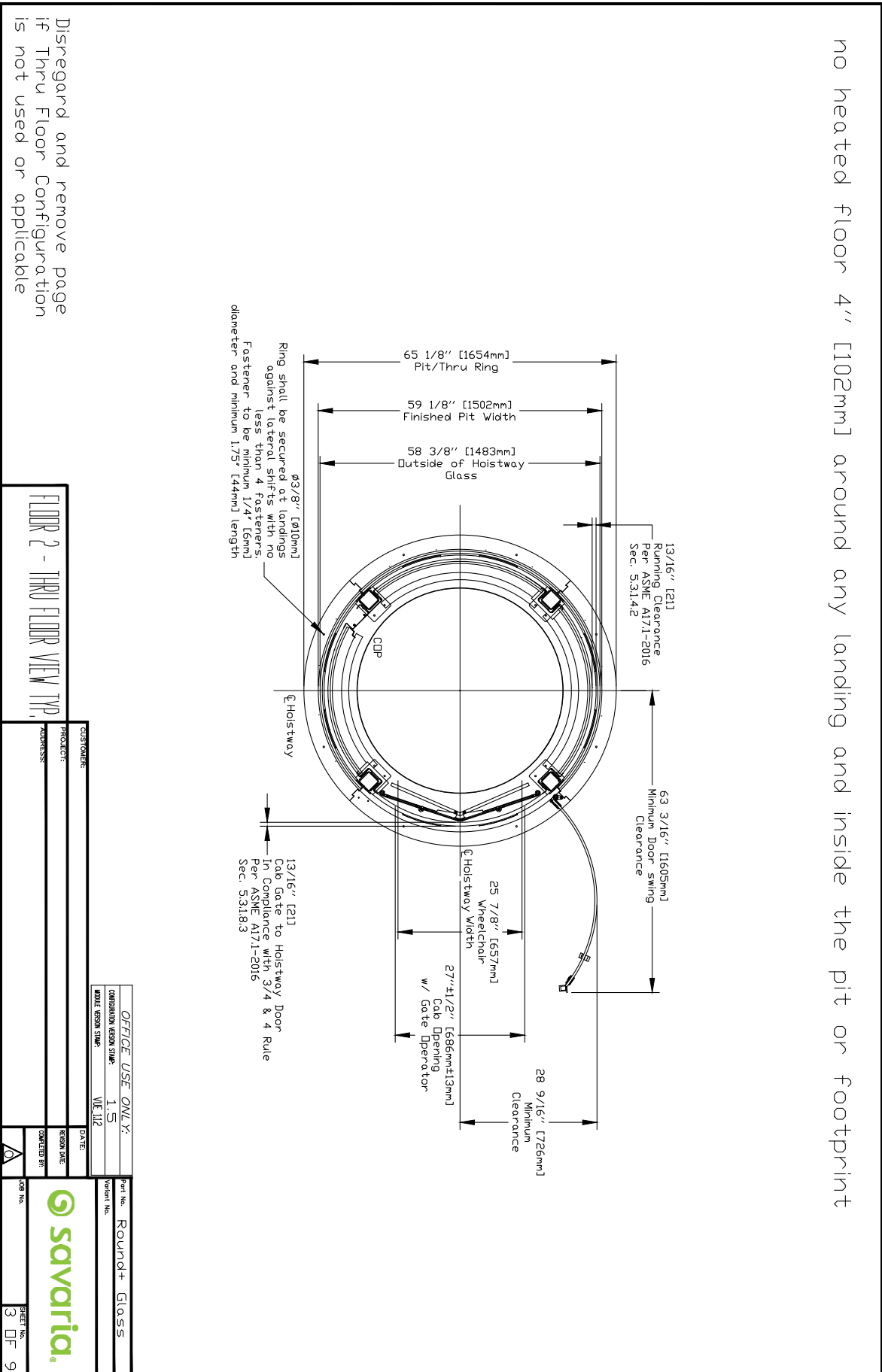


Figure 51: Balcony view - round+ glass (RGL) type 1, 2 or 3

no heated floor 4" [102mm] around any landing and inside the pit or footprint

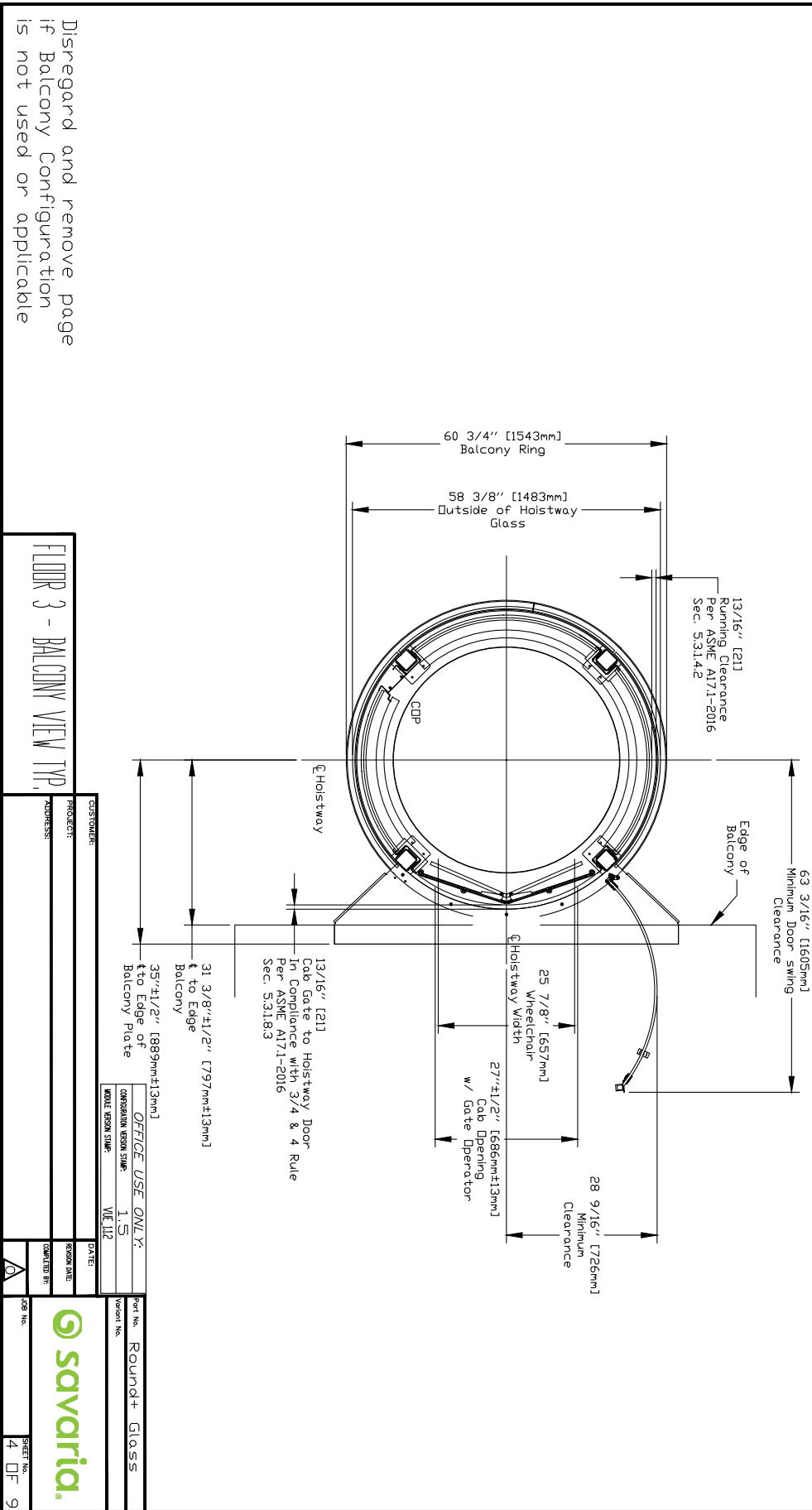


Figure 52: Balcony plate and handrail information - round+ glass (RGL) type 1 shown



The Vuelift balcony plate provides a vertical flange on either side that can be used to mount the adjacent handrail. This plate is made of 3/16" steel and is designed to support the handrail loading and forces.

The photo above shows a finished handrail view. It is important to note that the spacing between the handrail post and the elevator shaft is 1" (25.4 mm) to allow sufficient clearance for the operation of the hoistway door and the hall call button.

NOTE: Installing the handrail on top of the balcony plate is NOT permitted as it will interfere with the door opening operation and door clearances.

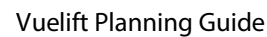


Figure 54: Balcony details - round+ glass (RGL) type 1, 2 or 3

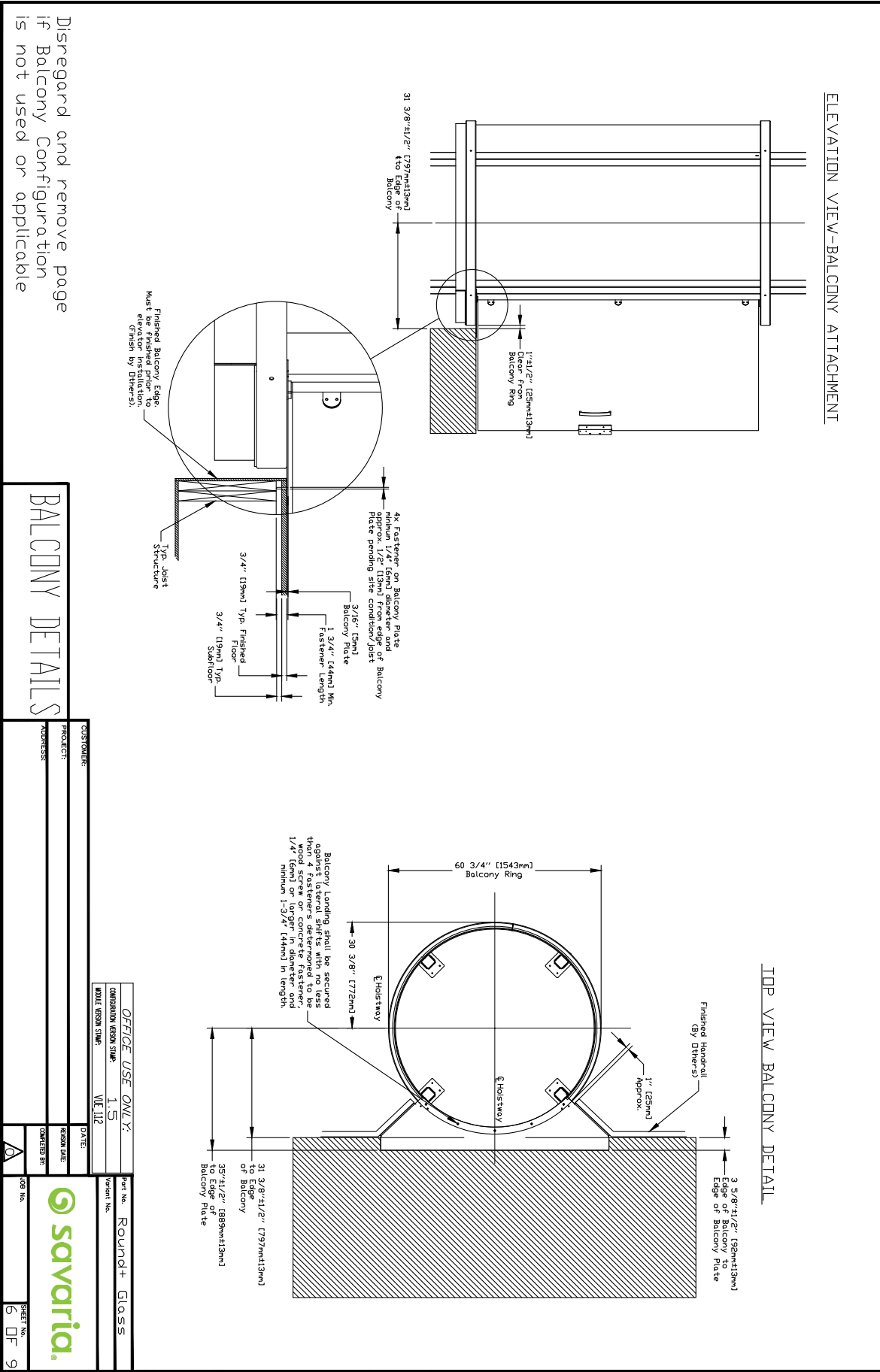
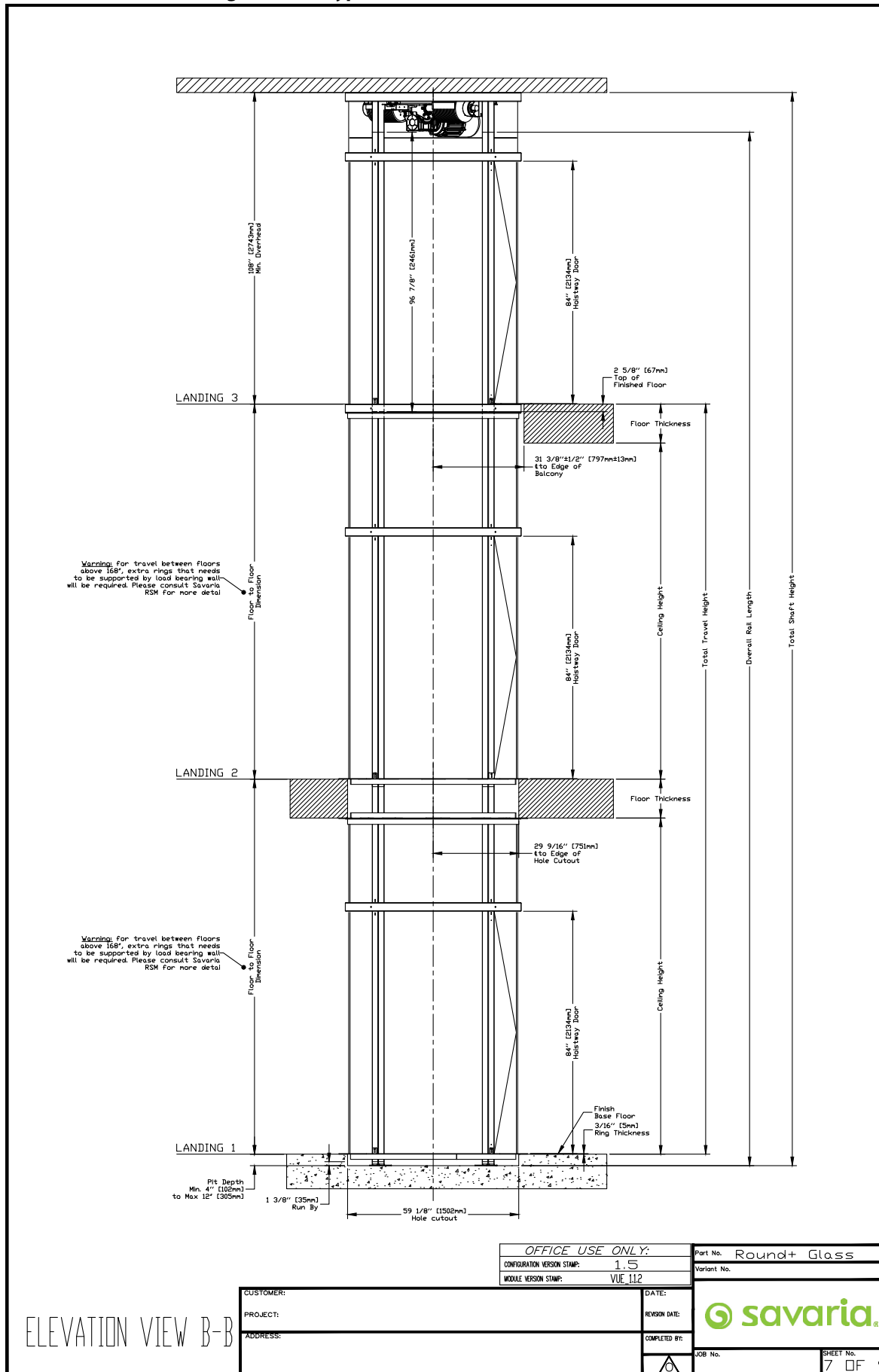


Figure 55: Elevation view - round+ glass (RGL) type 1, 2 or 3



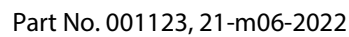


Figure 57: Datasheet - round+ glass (RGL) type 1, 2 or 3

PROVISIONS BY OTHERS																																			
GENERAL CONSTRUCTION SITE DIVERGENT TO PROVIDE ALL MASONRY, CARPENTRY AND ELECTRICAL WORK. REQUIRED FLOORS SHALL BE IN FINISHED STATE PRIOR TO INSTALLATION OF MATERIALS. DISCREPANCY CORRECTIONS TO UNIT DELIVERY. STRUCTURAL FLOOR LOADS STRUCTURAL ENGINEER TO ASSURE THAT BUILDING WILL SAFELY BEARING FOR PIT/FLOOR LOADS IMPOSED BY THE EQUIPMENT. ELECTRICAL POWER SUPPLY (SEE SPECIFICATIONS BELOW) LOCKABLE FUSED DISCONNECTS INSTALLED IN COMPLIANCE WITH ELECTRICAL CODE TO BE PROVIDED PRIOR TO INSTALLATION. DISCONNECTS TO BE PROVIDED TO THE CONTRACTOR PRIOR TO INSTALLATION. ELECTRICAL GFCI OUTLET IN HOISTWAY PIT IF REQUIRED. PERMANENT POWER BEFORE INSTALLATION CAN BEGIN. PERMANENT POWER MUST BE SUPPLIED. HANDRAILS: ALL BALCONY LEVELS REQUIRE HANDRAILS TO BE INSTALLED PER LOCAL CODE. HANDRAILS SHALL BE PROVIDED BY THE CONTRACTOR. HANDRAILS ARE NOT RESPONSIBLE FOR HANDRAIL INSTALLATION OR MATERIALS. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>POWER SUPPLY SPECIFICATIONS</th> <th>DISCONNECT SIZE</th> <th>FUSE SIZE</th> <th>VOLTS</th> <th>PHASE</th> <th>AMPERAGE</th> </tr> </thead> <tbody> <tr> <td>MOTOR & EQUIP</td> <td>30 AMPS</td> <td>30 AMPS</td> <td>230</td> <td>SINGLE</td> <td>202 AMPS</td> </tr> <tr> <td>CAB LIGHTS</td> <td>15 AMPS</td> <td>15 AMPS</td> <td>115</td> <td>SINGLE</td> <td>-</td> </tr> <tr> <td>PIT LIGHTS</td> <td>15 AMPS</td> <td>15 AMPS</td> <td>115</td> <td>SINGLE</td> <td>-</td> </tr> </tbody> </table> 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. RESISTANCE TO 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.				POWER SUPPLY SPECIFICATIONS	DISCONNECT SIZE	FUSE SIZE	VOLTS	PHASE	AMPERAGE	MOTOR & EQUIP	30 AMPS	30 AMPS	230	SINGLE	202 AMPS	CAB LIGHTS	15 AMPS	15 AMPS	115	SINGLE	-	PIT LIGHTS	15 AMPS	15 AMPS	115	SINGLE	-								
POWER SUPPLY SPECIFICATIONS	DISCONNECT SIZE	FUSE SIZE	VOLTS	PHASE	AMPERAGE																														
MOTOR & EQUIP	30 AMPS	30 AMPS	230	SINGLE	202 AMPS																														
CAB LIGHTS	15 AMPS	15 AMPS	115	SINGLE	-																														
PIT LIGHTS	15 AMPS	15 AMPS	115	SINGLE	-																														
GENERAL CLASSIFICATION: Residential Building APPLIED CODE: ASME 17.1-2016 SEC. 5.3 VALUET: Glass Cab NUMBER OF FLOORS: 6 Max. Glass CAPACITY: 950 lbs (432 kg) NOMINAL SPEED: 40 Fpm UP AND DOWN TOTAL TRAVEL: 15 sqft - 14 m2 CAB FLOOR AREA: 15 sqft - 14 m2 CAB WEIGHT: 1200 lb (545 kg) PIT DEPTH (OPTION): 60 Hz Single Phase 240 volt (60Hz) POWER SUPPLY: Automatic Dp. Bi-Folds CAB DOOR: 2 Type A Instantaneous Safeties in compliance with ASME A17.1 Sections 210.81 & 117.51 SAFETIES: Mfg Savaria T7/NVLS01001-01 SUSPENSION: CONSTRUCTION: Galvanized Aircraft Cable 2x3/8" dia NOMINAL STRENGTH: 14,400 lbs (6531 kg) WT. OF ROPES: 0.243 lbs/ft (3.616 g/cm) TRAVEL CABLE WT: 0.228 lbs/ft (3.393 g/cm) DRIVE/RAIN: TYPE: Winding Drum MOTOR: 5 HP (3.5 kW) TRANSMISSION: Ultra-Low Vibration 3-Stage Right Angle Helical-Bevel Drive DOOR INTERLOCKS: Pre-Engaged or Interlocked Drive PIT/FLOOR LOAD: ASME A17.1 Sections 212.43 (ft of Hoistway*114) + (# of Floors*370) + 3041 Dead Load (lbs) (m of Hoistway*170) + (# of Floors*168) + 1379 Dead Load (kg) Based on this configuration: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>LOWER FLOOR DEAD LOAD</th> </tr> </thead> <tbody> <tr> <td>LOWER FLOOR IMPACT LOAD: 9542 lbs (4328 kg)</td> </tr> <tr> <td>MID FLOOR MAX. LATERAL LOAD: 250 lbs (113 kg)</td> </tr> </tbody> </table> * SEE ELEVATION VIEW FOR ADDITIONAL. HEATER RING TO SUPPORT EXTRA LONG FLOOR TO FLOOR OPTIONS: BUCK BOOSTER: Required if input power supply is not 240 volt AC. If applicable for habitable space below, Min. pit 4'. CAR TOP INSPECTION: Distance between Head Frame and Control Room CONDUCTOR CABLE: Clear Glass (Standard) CONDUCTOR LOCATION: Cut on site or Factory cut FACTORY CUT GLASS/ACRYLIC: Stainless Steel (Standard) FLOOD SWITCH: Stainless Steel (Standard) LANDING DOOR HANDLE: Stainless Steel (Standard)				LOWER FLOOR DEAD LOAD	LOWER FLOOR IMPACT LOAD: 9542 lbs (4328 kg)	MID FLOOR MAX. LATERAL LOAD: 250 lbs (113 kg)																													
LOWER FLOOR DEAD LOAD																																			
LOWER FLOOR IMPACT LOAD: 9542 lbs (4328 kg)																																			
MID FLOOR MAX. LATERAL LOAD: 250 lbs (113 kg)																																			
FIRST DOOR BY LANDING CHART <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>LANDING 1</th> <th>LANDING 2</th> <th>LANDING 3</th> </tr> </thead> <tbody> <tr> <td>DOOR TYPE</td> <td>Side C</td> <td>Side C</td> <td>Side C</td> </tr> <tr> <td>ENTRANCE SIDE</td> <td>Side C</td> <td>Side C</td> <td>Side C</td> </tr> <tr> <td>DOOR SWING</td> <td>LH or RH Swing</td> <td>LH or RH Swing</td> <td>LH or RH Swing</td> </tr> <tr> <td>DOOR TYPE</td> <td>X Lock</td> <td>X Lock</td> <td>X Lock</td> </tr> <tr> <td>HALL CALL KEY SWITCH</td> <td>NO</td> <td>NO</td> <td>NO</td> </tr> <tr> <td>FLOOR MARKING</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>LANDING CONFIGURATION</td> <td>Pit or Ramp</td> <td>Thru Floor Shown</td> <td>Backery Shown</td> </tr> </tbody> </table>					LANDING 1	LANDING 2	LANDING 3	DOOR TYPE	Side C	Side C	Side C	ENTRANCE SIDE	Side C	Side C	Side C	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	2	2	2	LANDING CONFIGURATION	Pit or Ramp	Thru Floor Shown	Backery Shown
	LANDING 1	LANDING 2	LANDING 3																																
DOOR TYPE	Side C	Side C	Side C																																
ENTRANCE SIDE	Side C	Side C	Side C																																
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	2	2	2																																
LANDING CONFIGURATION	Pit or Ramp	Thru Floor Shown	Backery Shown																																
DATA SHEET																																			
CUSTOMER: _____ PROJECT: _____ ADDRESS: _____		DATE: _____ REVISION: _____ COMPLETED BY: _____ CAB No. _____																																	
OFFICE USE ONLY: ORGANIZATION VERSION: 1.5 WEEK: 112		Part No. Round+ Glass Insert No. _____																																	
		SHEET No. 9 OF 9																																	

ENTRANCE SIDE LEGEND

SIDE A



SIDE D



SIDE C



PLATFORM



SIDE B



TOP LEVEL



Figure 58: Machine room layout and wire routing - round+ glass (RGL) type 1, 2 or 3

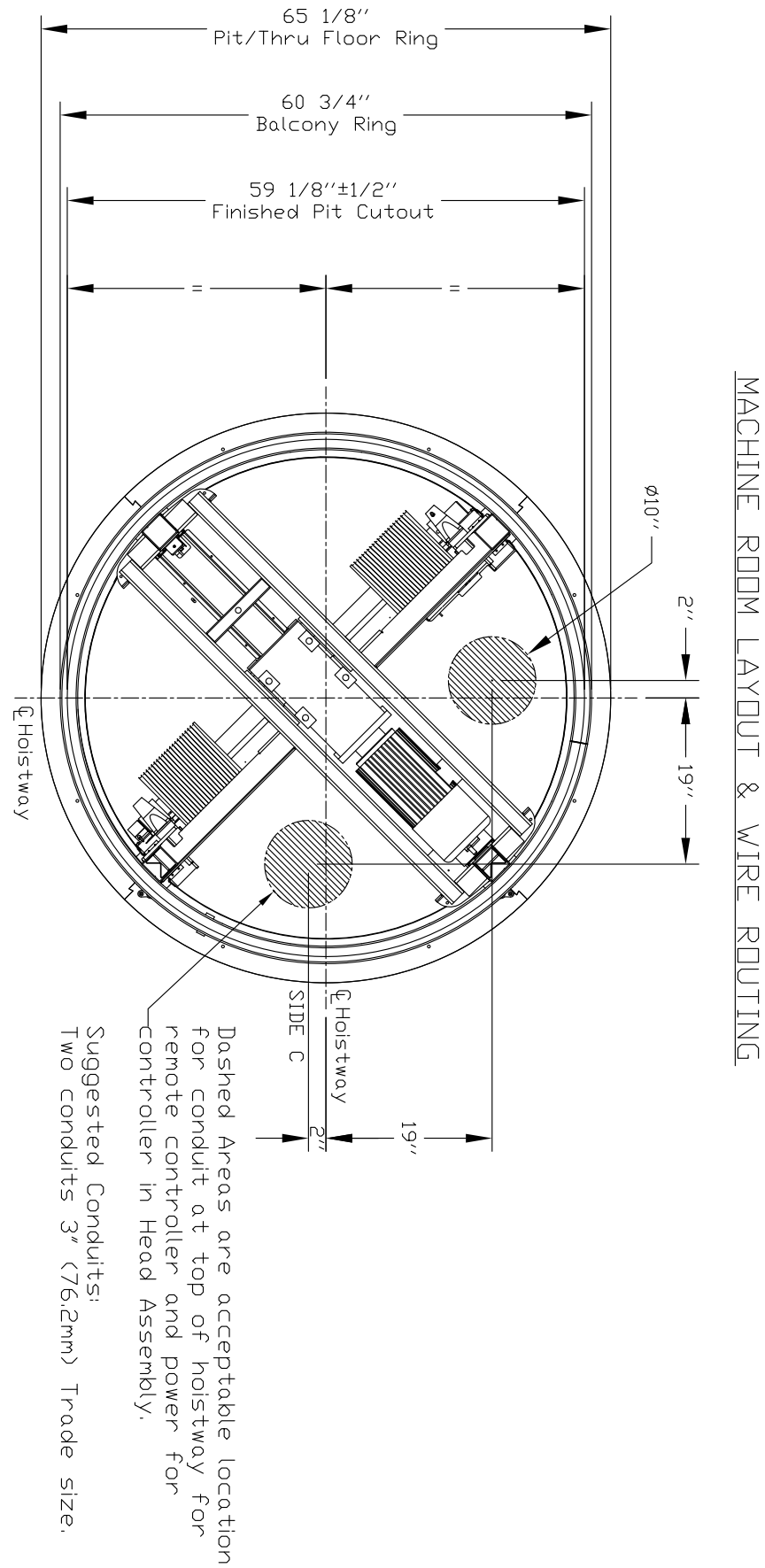
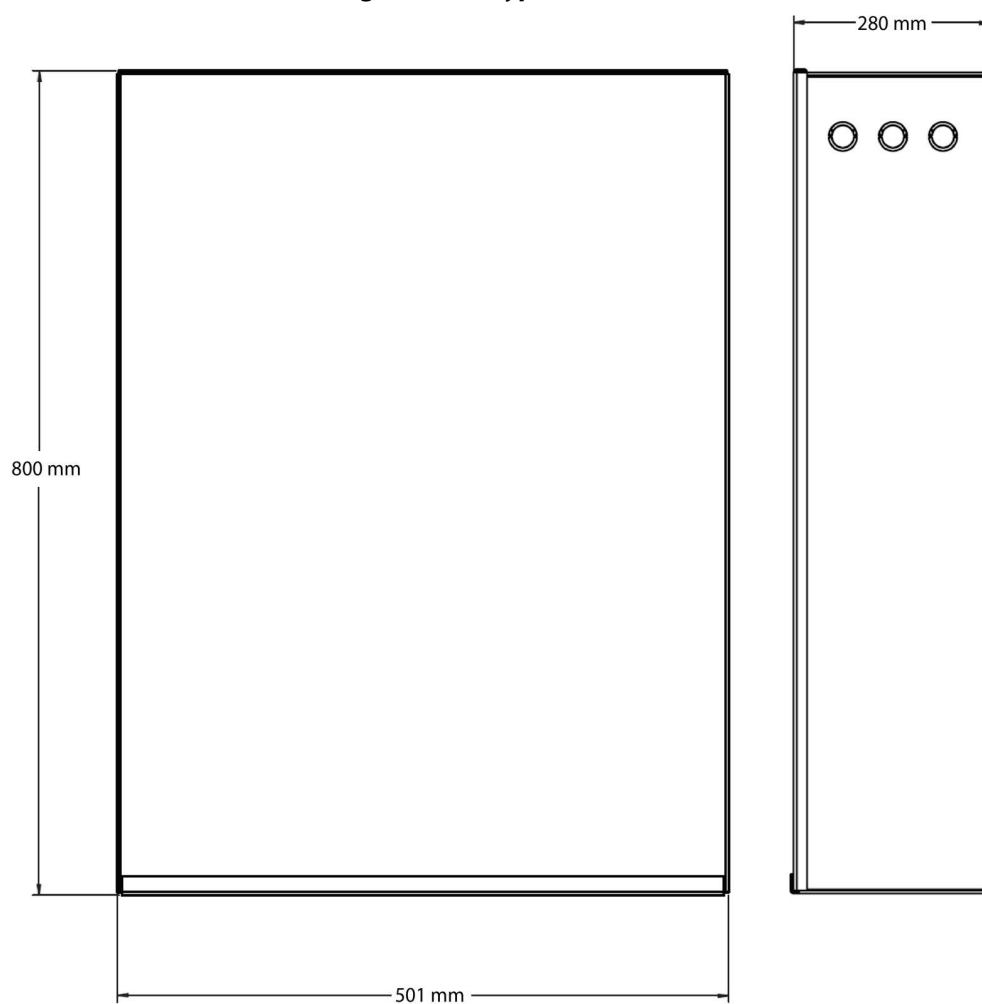


Figure 59: Controller box dimensions - round+ glass (RGL) type 1, 2 or 3



Chapter 4: Octagonal+ Glass (OGL)



Specifications - Octagonal+ Glass (OGL)

Specification	Specification Data
Load capacity	950 lb (432 kg)
Maximum travel	50 ft (15.24 m); 55 ft (16.76 m) where a variance is possible
Travel speed	40 ft/min (0.20 m/s)
Noise level (for typical installation)	65 dB
Daily cycle	Normal: 40 Heavy: 80 Excessive: 150 Maximum starts in 1 hour on standard installation: 20 NOTE: Please consult your Sales Representative if there a chance you may exceed these amounts.
Maximum levels serviced	6
Minimum overhead	108" (2743mm) for 84" (2133mm) cab 104" (2641mm) for 80" (2032mm) cab 96" (2438mm) for 76.5" (1943mm) cab
Cab	Cab interior height OGL: 84 in (2.13m) Cab interior height OGL: 80 in (2.3m) Cab floor area OGL: 15.00 sq ft (1.4 sq m) Cab weight OGL: 1200 lb (545 kg)
Floor by others (in cab)	3/4" (19 mm) maximum
Footprint	Octagonal+ glass: 57.8" x 57.8" (1.47 m x 1.47 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 3/8" diameter) Construction: IWRC 7 x 19 RHRL Nominal strength: 14,400 lb (6,545 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: 5.0 HP (3.5 KW) with integrated brake Transmission: Low vibration, worm gear drive Motor control: Preprogrammed variable frequency drive Door interlocks: Xtronics
Pit/floor load	Refer to the section "Load Calculations"
Distance between 2 landings	93.5" (2375 mm) minimum
Pit depth	4" - 12" (102 mm - 305 mm)
Temperature operating range (environment)	- 10°C to + 40°C / 14°F to 104°F NOTE: 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 Electrical circuit overspeed Manual lowering Emergency battery back-up for cab lighting and lowering
Options	Optional configurations: Type 2, 3R, 6 Optional colors: • White (Texture White PX521W859) • Silver (Texture Silver PX521S343) • Custom powder-coat frame Note that Black is the standard color (Texture Black PX622N365) Other options: Up to 6 stops, balcony attachment Savaria Link remote monitoring (Vuelift Micro-6 only) Landing door handle painted to match unit Top header ring in sheet metal painted to match unit

Safety First - Octagonal+ Glass (OGL)

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 (see drawing on next page):

- 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 Residential Elevator design is with a maximum 1.25" (32 mm) running clearance.

Electrical Requirements - Octagonal+ Glass (OGL)

Your electrician and phone installer must supply the following connections:

- Main Disconnect - One 230V single-phase, 30 Amp fused disconnect box with 30 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.

Recommended Manufacturers for Fused Disconnect

Square D

- Main disconnect: 230V single-phase disconnect model # H221N.
240V, 30 Amp with Interlock Kit - ELK031 Aux Contacts (normally opened/normally closed).
In addition, two each - 250V, 30 Amp, RK5 fuses.
- Lighting disconnect: 120V, 15 Amp fused disconnect or circuit breaker.

Siemens

- Main disconnect: 230V single-phase disconnect model #HF221N.
240V, 30 Amp with Interlock Kit-HA 161234 Aux Contacts (normally opened/normally closed).
In addition, two each - 250V, 30 Amp, RK5 fuses.
- Lighting disconnect: 120V, 15 Amp fused disconnect or circuit breaker.

G.E.

- Main disconnect: 230V single-phase disconnect model # TH3221.
240V, 30 Amp with Interlock Kit - THAUX21D Aux Contacts (normally opened/normally closed).
In addition, two each - 250V, 30 Amp, RK5 fuses.
- Lighting disconnect - 120V, 15 Amp fused disconnect or circuit breaker.

Cutler Hammer

- Main disconnect: 230V single-phase disconnect model # DH221NGK.
240V, 30 Amp with Interlock Kit - THAUX21D Aux Contacts (normally opened/normally closed).
In addition, two each - 250V, 30 Amp, RK5 fuses.
- Lighting disconnect: 120V, 15 Amp fused disconnect or circuit breaker.

Recommended manufacturers for circuit breakers at the distribution panel (and the distribution panel itself): Square D or Siemens only.

Provisions By Others - Octagonal+ Glass (OGL)

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	30 Amps	230 Volts	Single
Cab lights	15 Amps	15 Amps	115 Volts	Single
Pit light	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.

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.

Savaria Link Option (Vuelift Micro-6 Only)

If you have the Savaria Link Ethernet remote monitoring option, ensure that you have an Ethernet connection with Internet capability in the vicinity of the unit's controller.

If you have the Savaria Link Wireless remote monitoring option, ensure that you have a wireless signal with Internet capability in the vicinity of the unit's controller.

Site Preparation - Octagonal+ Glass (OGL)

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 4" must be provided. 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

- 108" (2743mm) for 84" (2133mm) cab minimum overhead distance from upper floor level to the underside of the finished ceiling for standard cab configuration. (standard)
- 104" (2641 mm) for 80" (203 mm) cab minimum overhead distance from upper floor level to the underside of the finished ceiling for modified short cab configuration. (optional)
- 96" (2438 mm) for 76.5" (1943 mm) cab minimum overhead distance from upper floor level to the underside of the finished ceiling for silica glass model. (short)

Drywall and Painting

- All drywall and painting must be complete.

Load Calculations - Octagonal+ Glass (OGL)

- 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.
- Each middle floor carries a separate Mid Floor Load supporting only that floor's metal floor rings, while the main cab/hoistway load (Lower Floor Total Load) is transferred fully to the bottom floor.
- 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).
- All mid floors including the bottom floor may be subjected to a maximum lateral load of 250 lb.
- 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, the figures below 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.

Lower Floor Dead Load (lbs) = (114 x feet of hoistway) + (415 x number of floors) + 3091 lbs

Lower Floor Dead Load (Kg) = (170 x meter of hoistway) + (188 x number of floors) + 1402 lbs

Lower Floor Impact Load (lbs) = 9741 lbs (4418 Kg)

Lower Floor Total Load (lbf) = Dead Load + Impact Load

Mid Floor Load (lbf) = 250 lbs (113kg)

Shipping Weight (lb) = (1226 x number of floors) + 3091

Note: Shipping weight includes all actual part weights for lower and mid floor loads using 12' per floor, plus shipping packaging weight.

Drawings - Octagonal+ Glass (OGL)

Octagonal+ Glass (OGL)

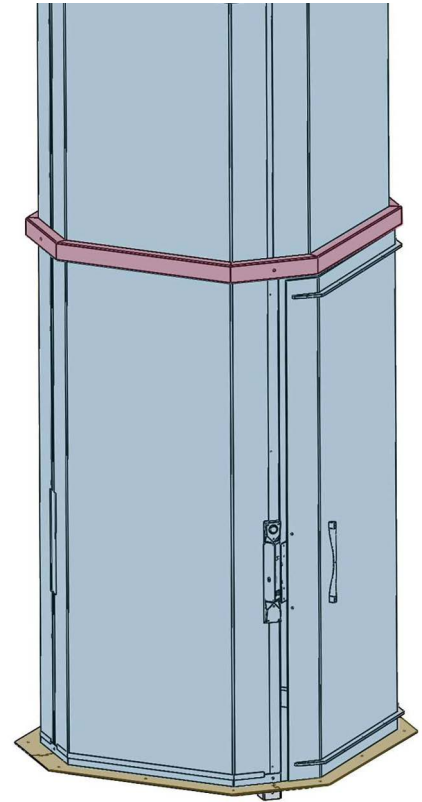
- Plan view
- Pit view
- Base mount details
- Thru-floor view
- Balcony view
- Balcony plate and handrail information
- Thru-floor details
- Balcony details
- Elevation view
- Elevation view (showing extra header rings for floor-to-floor height >14 ft)
- Pit cutout/thru-floor cutout
- Datasheet
- Machine room layout and wire routing



Model Specifications – Octagonal+

Octagonal+ (Glass)

- Capacity: 432kg (950 lb)
- Cab Size: 1.4 sqm (15 sq. ft.)
- Clear Cab Size: 1149w x 1253d (45.25 x 49.3 in.)
- Cab Height: 2134mm (84 in.)
- Hoistway Footprint
 - Glass: 1468 x 1468mm (57.8 x 57.8 in.)
 - Pit/Thru Floor Cutout: 1432x 1432mm (56.38 x 56.38 in.)
 - Balcony/Header Ring: 1473 x 1473mm (58 x 58 in.)
 - Pit/Thru Floor Ring: 1574mm (62 x 62 in.)
- Minimum Overhead Clearance: 2743mm (108 in.) for 2133 mm (84 in) cab
- Minimum Overhead Clearance: 2641 mm (104 in.) for 2032 mm (80 in.) cab



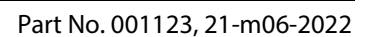
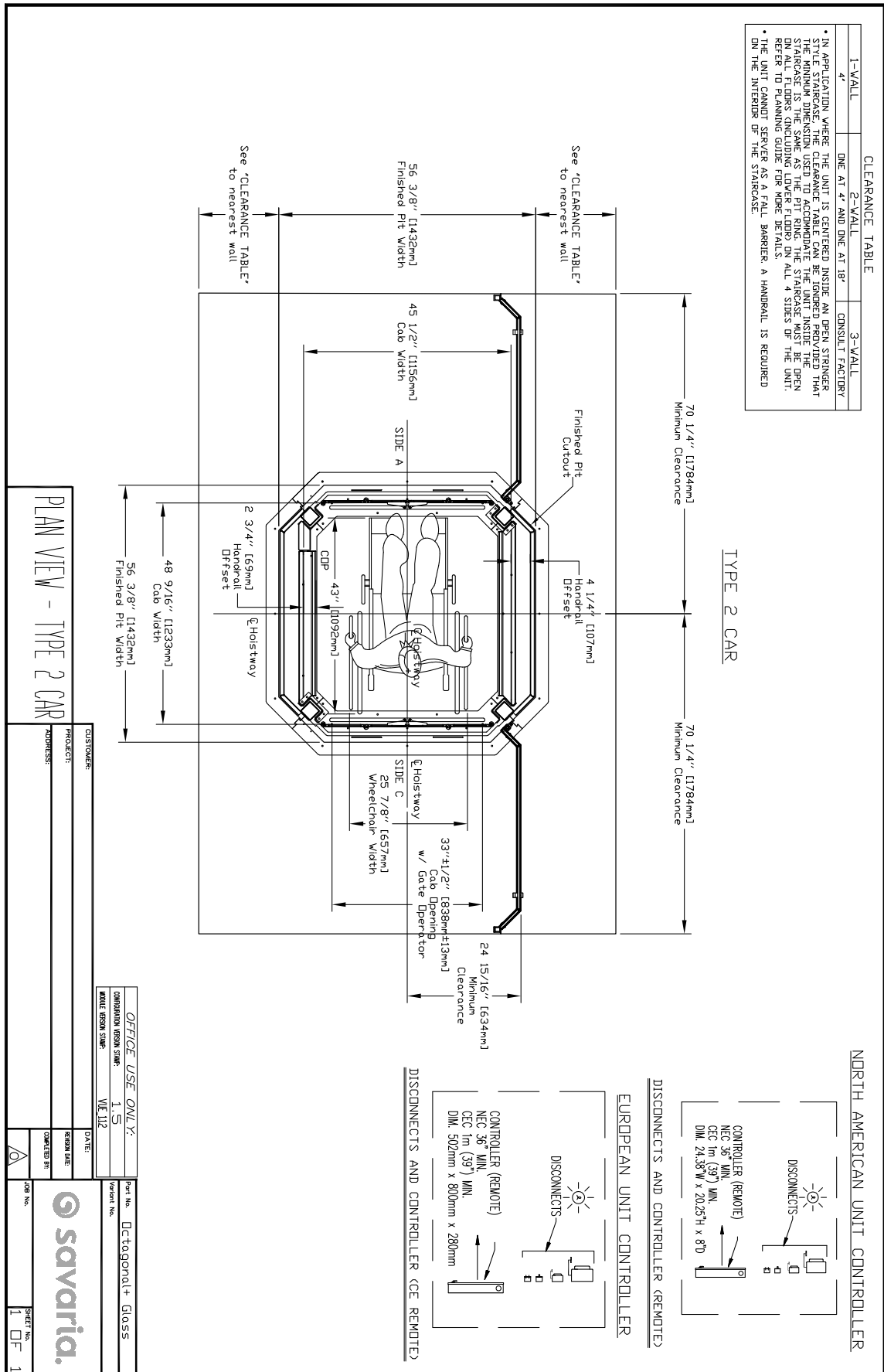


Figure 61: Plan view - octagonal+ glass (OGL) type 2



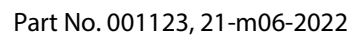
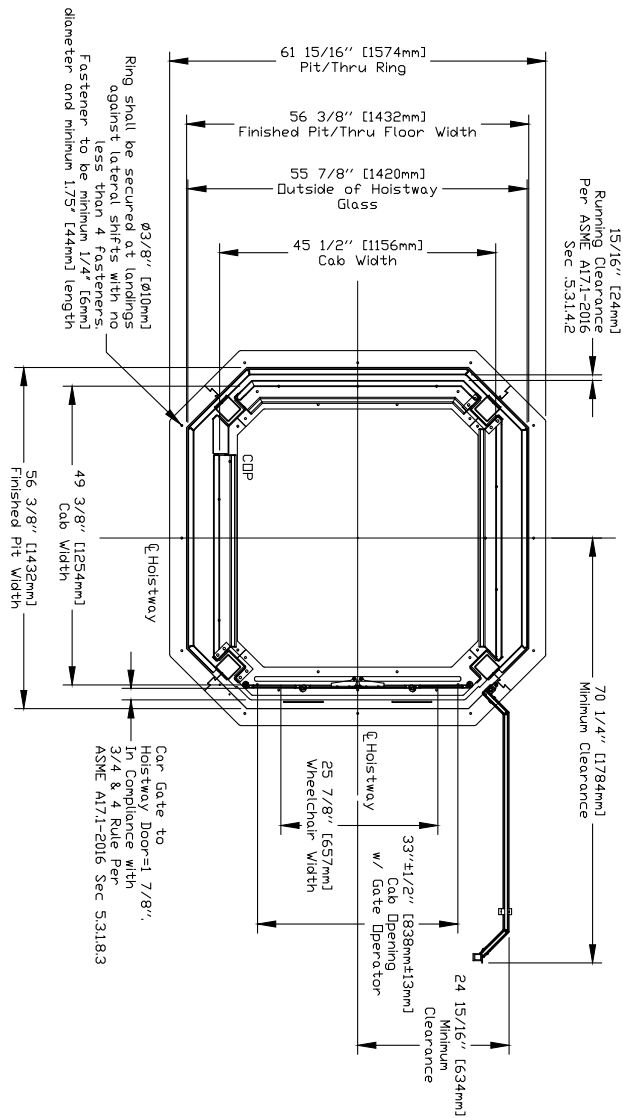


Figure 63: Pit view - octagonal+ glass (OGL) type 1, 2 or 3

No heated floor 4" [102mm] around any landing & inside the pit of footprint.



Disregard and remove page for Pitless applicable

FLOOR 1 - PIT VIEW TYP.		PROJECT ADDRESS		CUSTOMER		DATE		OFFICE USE ONLY:		Part No.	
								CONFIGURATION REVISION SYMBOL 1.5		Octagonal+ Glass	
								WHEEL REVISION SYMBOL VIE 112		Revised No.	
								REVISION DATE		SHEET No.	
								COMPLETED BY		2a OF 9	
								SAVARIA			

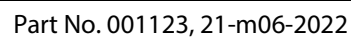
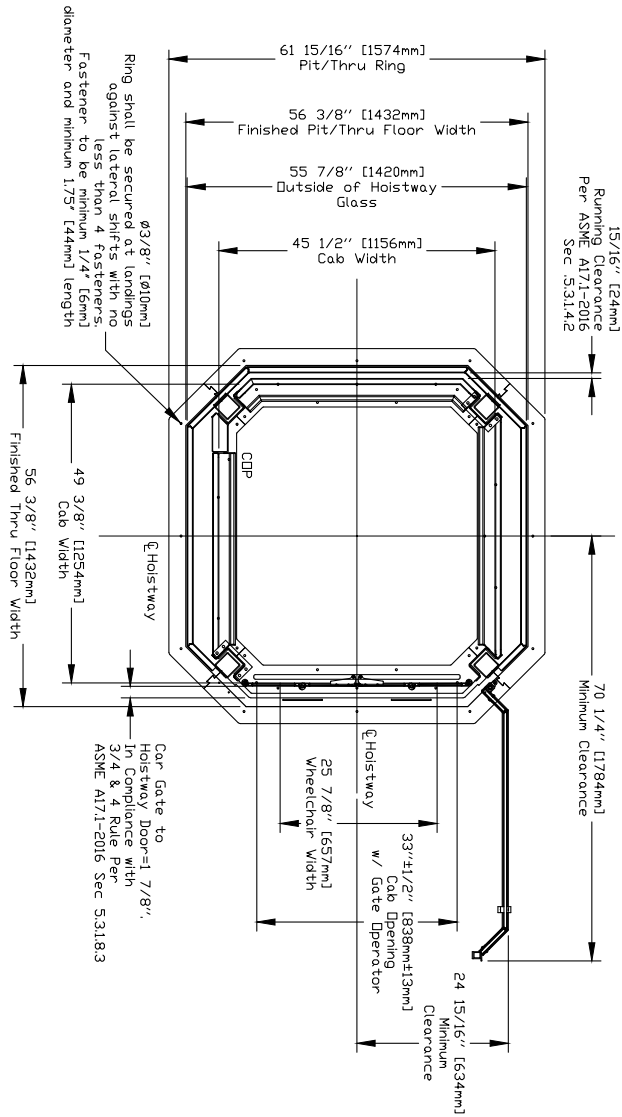


Figure 65: Thru-floor view - octagonal+ glass (OGL) type 1, 2 or 3

No heated floor 4" [102mm] around any landing & inside the pit of footprint.



Disregard and remove page if Thru Floor Configuration is not used or applicable

FLOOR 2 - THRU FLOOR VIEW TYP

PROJECT		DATE		Part No. Octagonal+ Glass	
CONSTRUCTION SIGNATURE		SIGNATURE		Project No.	
1.5		11/2		3	
MODEL REVISION SIGNATURE		DATE		Sheet No.	
11/2		11/2		3	
REVISION SIGNATURE		DATE		Sheet No.	
11/2		11/2		3	
COMPLETED BY		DATE		Sheet No.	
11/2		11/2		3	
CAB NO.		DATE		Sheet No.	
11/2		11/2		3	

savarida

Figure 66: Balcony view - octagonal+ glass (OGL) type 1, 2 or 3

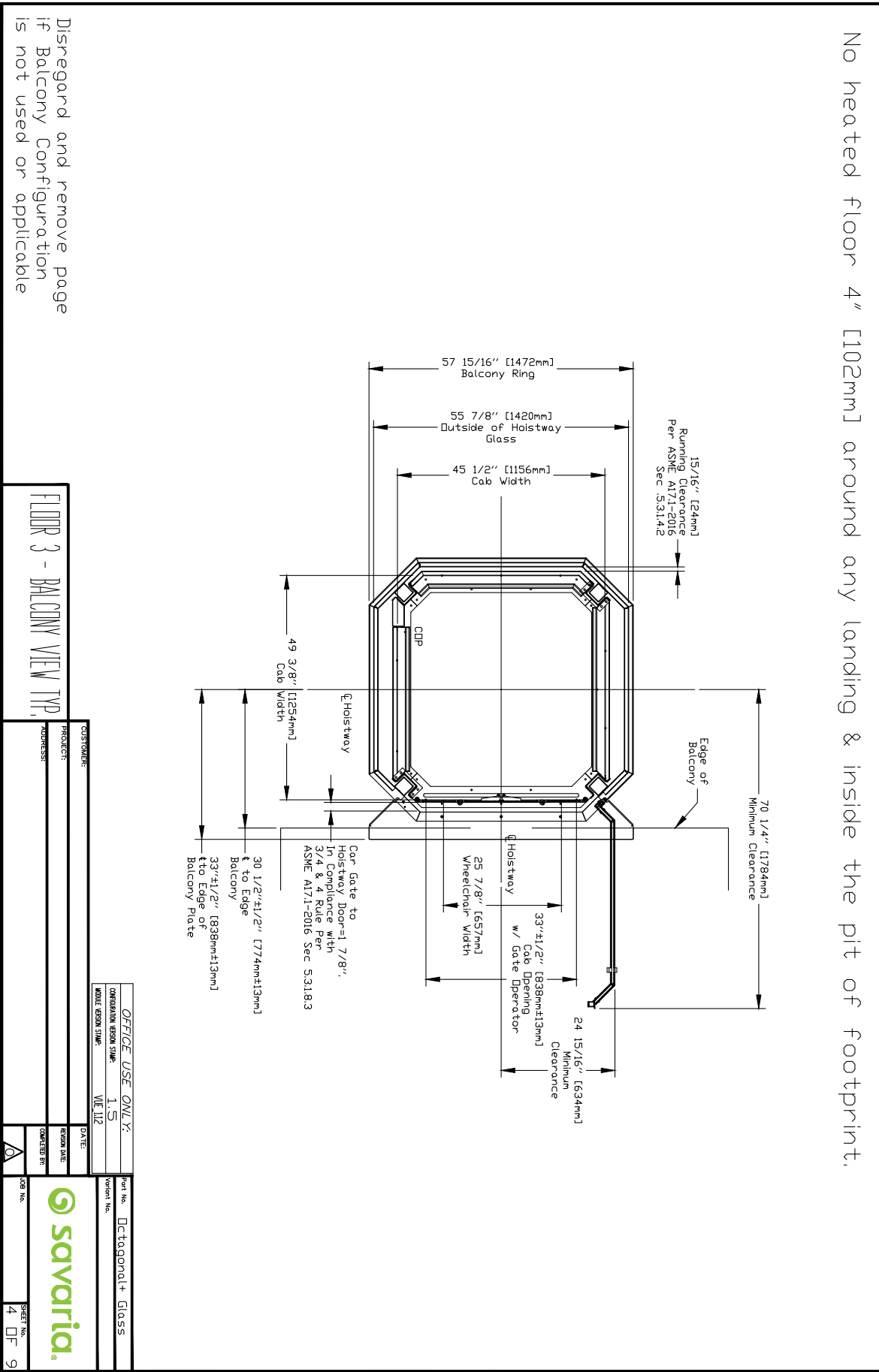


Figure 67 Balcony plate and handrail information - octagonal+ glass (OGL) type 1 shown

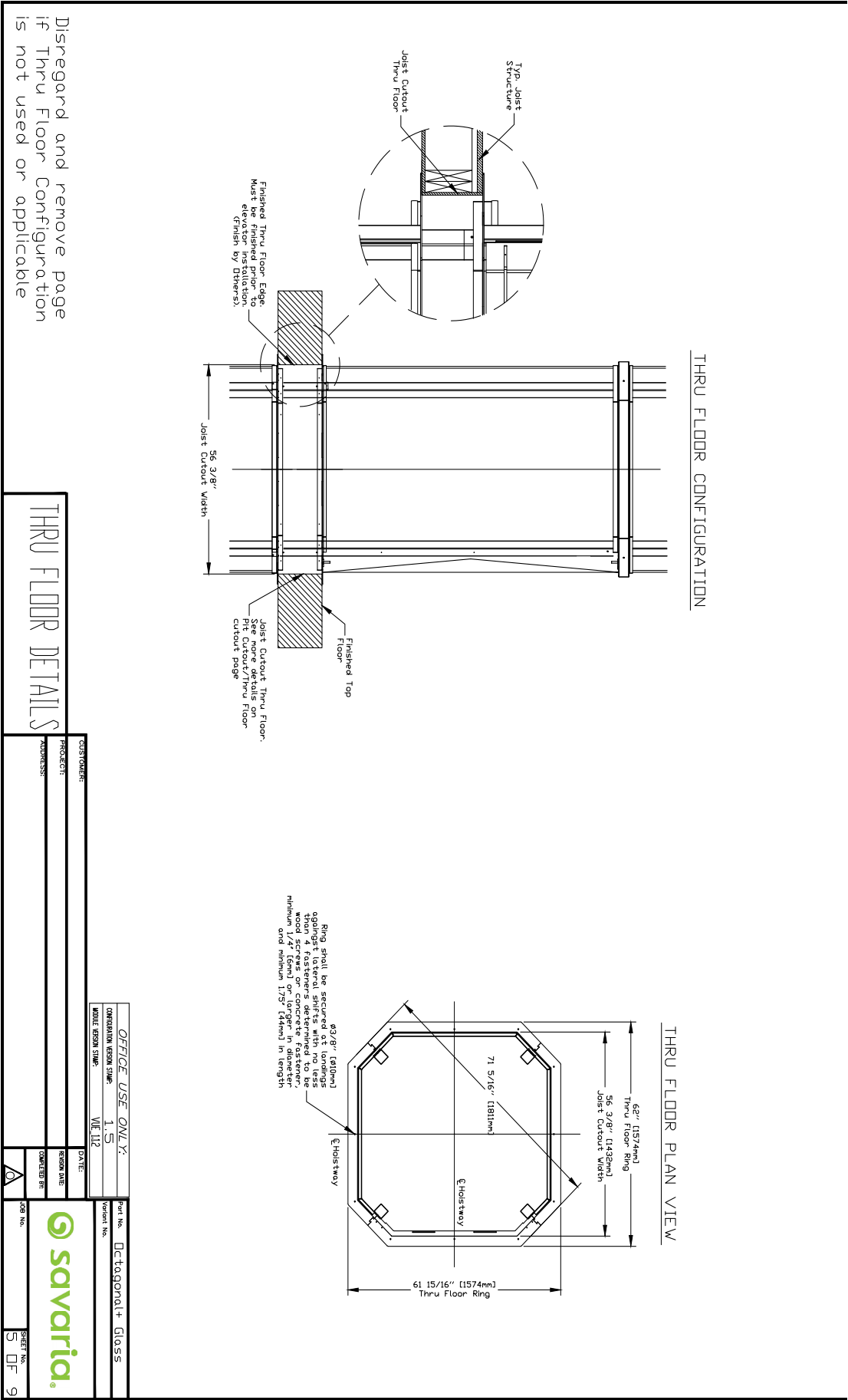


The Vuelift balcony plate provides a vertical flange on either side that can be used to mount the adjacent handrail. This plate is made of 3/16" steel and is designed to support the handrail loading and forces.

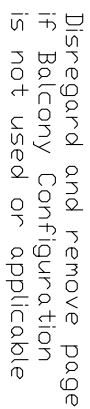
The photo above shows a finished handrail view. It is important to note that the spacing between the handrail post and the elevator shaft is 1" (25.4 mm) to allow sufficient clearance for the operation of the hoistway door and the hall call button.

NOTE: Installing the handrail on top of the balcony plate is NOT permitted as it will interfere with the door opening operation and door clearances.

Figure 68: Thru-floor details - octagonal+ glass (OGL) type 1, 2 or 3



TOP VIEW BALCONY DETAIL



BALCONY DETAILS

CUSTOMER:		Part No. D1ctogon+1 Variant No. Glass	
PROJECT:		OFFICE USE ONLY: COORDINATION REGION STATE: 1.5 MODEL REGION STATE: WIE 112	
ADDRESS:		DATE:	
		REGION DATE:	
		COMPLETED BY:	
			
		JOB No. _____	
		SHEET No. 6 OF 5	

Figure 70: Elevation view - octagonal+ glass (OGL) type 1, 2 or 3

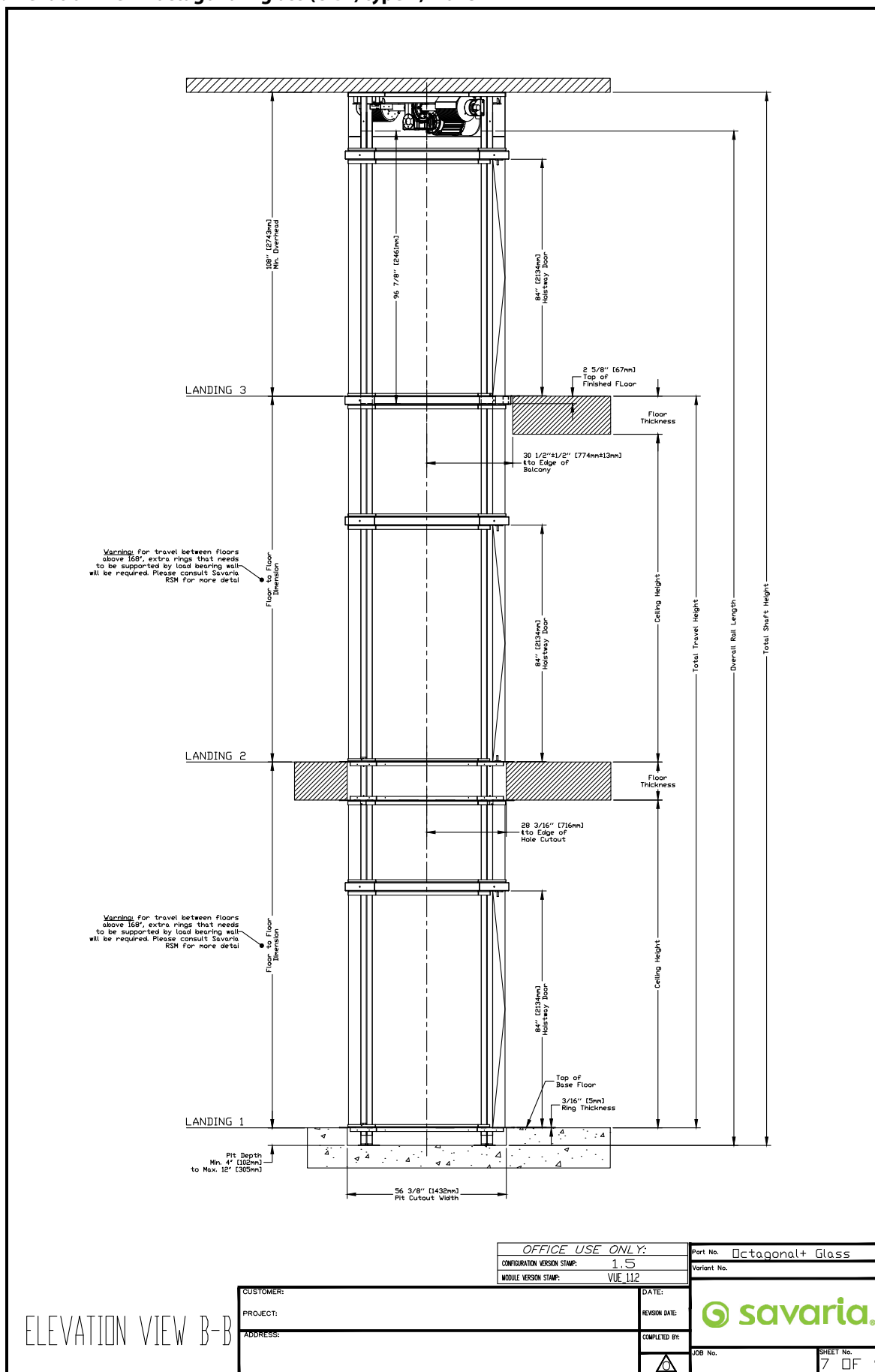
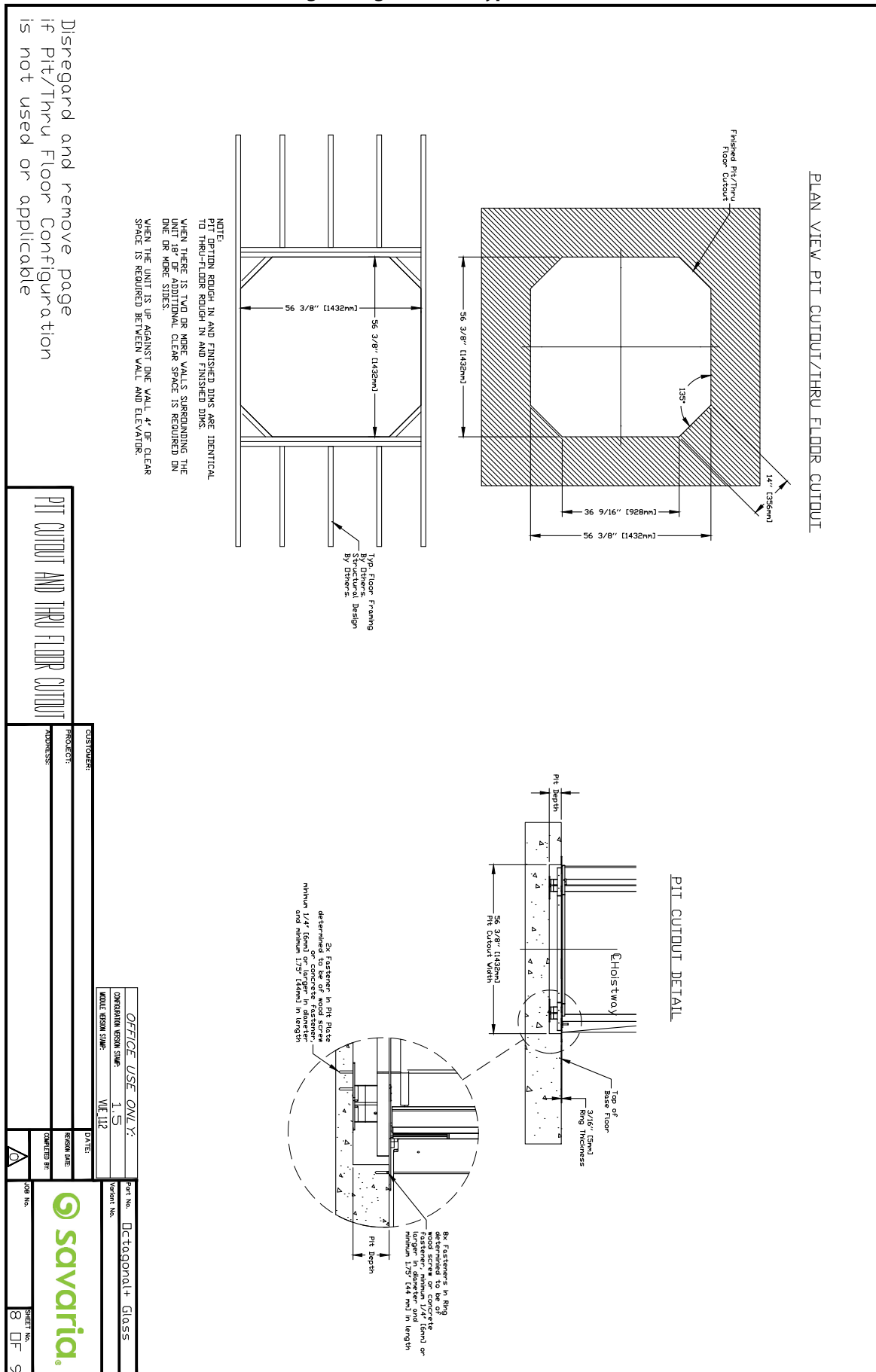


Figure 71: Pit cutout/thru-floor cutout - octagonal+ glass (OGL) type 1, 2 or 3



61 15/16"
Pit/Thru Floor Ring

57 15/16"
Balcony Ring

56 3/8" ± 1/8"
Finished Pit Cutout

56 3/8"
Finished Pit Cutout

CL Hoistway

SIDE C

CL Hoistway

19"

2"

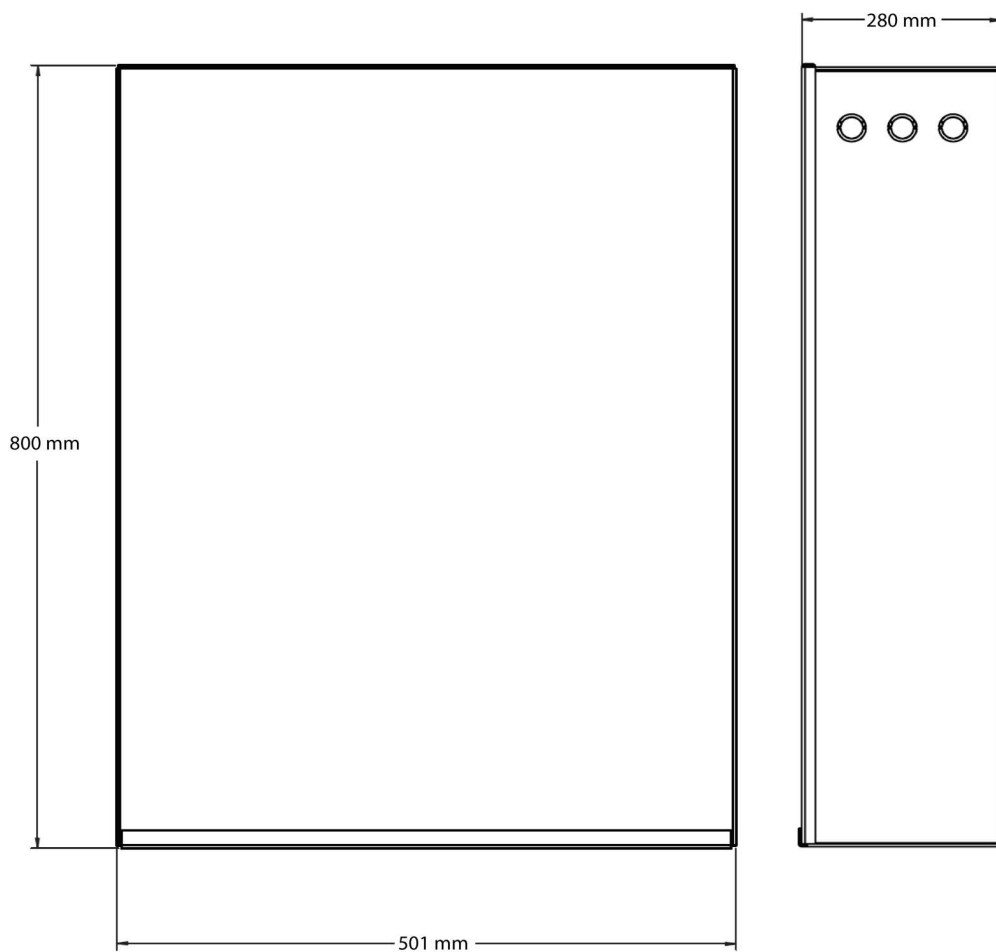
19"

2"

Dashed Areas are acceptable location
for conduit at top of hoistway for
remote controller and power for
controller in Head Assembly.

Suggested Conduits:
Two conduits 3" (76.2mm) Trade size.

Ø10"

Figure 74: Controller box dimensions - round+ glass & octagonal+ glass (RGL & OGL) type 1, 2 or 3

Vuelift

Residential Elevator PLANNING GUIDE

Part No. 001123
Rev. 21-m06-2022

Copyright © 2021

Savaria Concord Lifts, Inc.
www.savaria.com

Sales
2 Walker Drive
Brampton, Ontario L6T 5E1
Canada
Tel: (905) 791-5555
Fax: (905) 791-2222
Toll Free: 1-800-661-5112

