

ELEVATIONS

Residential Elevator Planning Guide

These elevators meet the requirements of ASME A17.1 Part V,
Section 5.3 for residential elevators.



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**ROCKY MOUNTAIN
ELEVATOR PRODUCTS**
LIVE LIFE ELEVATED

Introduction

This Planning Guide is to be used only as a reference to determine parameters of installation and the steps to achieve a proper elevator installation. This guide may be used by the architect, contractor, dealer or home owner. The information in this guide is intended as an overview. Each installation will have site-specific specifications that must be followed. Do not attempt to construct a hoistway on this information. Before beginning actual construction, be sure you have and follow specific shop drawings engineered to fit your site conditions.

The dimensions and specifications in this planning guide are subject to constant change, without notice, due to product enhancements and continually evolving codes.

Elevator installation must be done by an authorized elevator contractor, and in accordance with engineered drawings provided by the manufacturer. Installation must also be in compliance with requirements of the National Electric Code, American Society of Mechanical Engineer's safety code, and local building codes. We strongly recommend you contact the code authority in your jurisdiction where the elevator will be installed. Rocky Mountain Elevator's products are designed to meet the requirements of ASME - A17.1 Part V Section 5 for residential elevators. Rocky Mountain Elevator's products are warrantied for 3 years after meeting the above codes. Rocky Mountain Elevator Products assumes no liability for equipment not installed in compliance with these codes.

Advantages

- ✓ More options and features than any other manufacturer.
- ✓ Child safe gate systems.
- ✓ Superior design.
- ✓ Superior innovation.
- ✓ Multiple drive options.
- ✓ Plug and play wiring system for fast installation.
- ✓ Pre-tested components to ensure reliability.
- ✓ Smooth and quiet operation: Smooth Ride technology using the industry's self-adjusting valves on hydraulic models.
- ✓ On-board LCD screen with self-diagnosis for quick and easy troubleshooting.
- ✓ Low Maintenance: the elevator is designed for minimal maintenance and the visual service alert and fault codes will tell you when it's time to consider a service inspection.
- ✓ All models have emergency battery lowering and lighting in case of power interruption.
- ✓ Stylish and modern: Our smooth stylish features are timeless and will blend with any décor for years to come. The fixtures feature long life LED push buttons for that classic elevator feel right in your own home!



Pre-Planning Steps

Locate a local dealer and together plan your elevator. Please use the steps below to guide you in the planning process. Many aspects affect what drive system will best suit your needs: car dimensions (accessibility), car and shaft door systems, ceiling heights, machine room size and location. Please refer to the Drive System Overview on page 3 and the Drive System Quick Reference below.

Pre-planning considerations

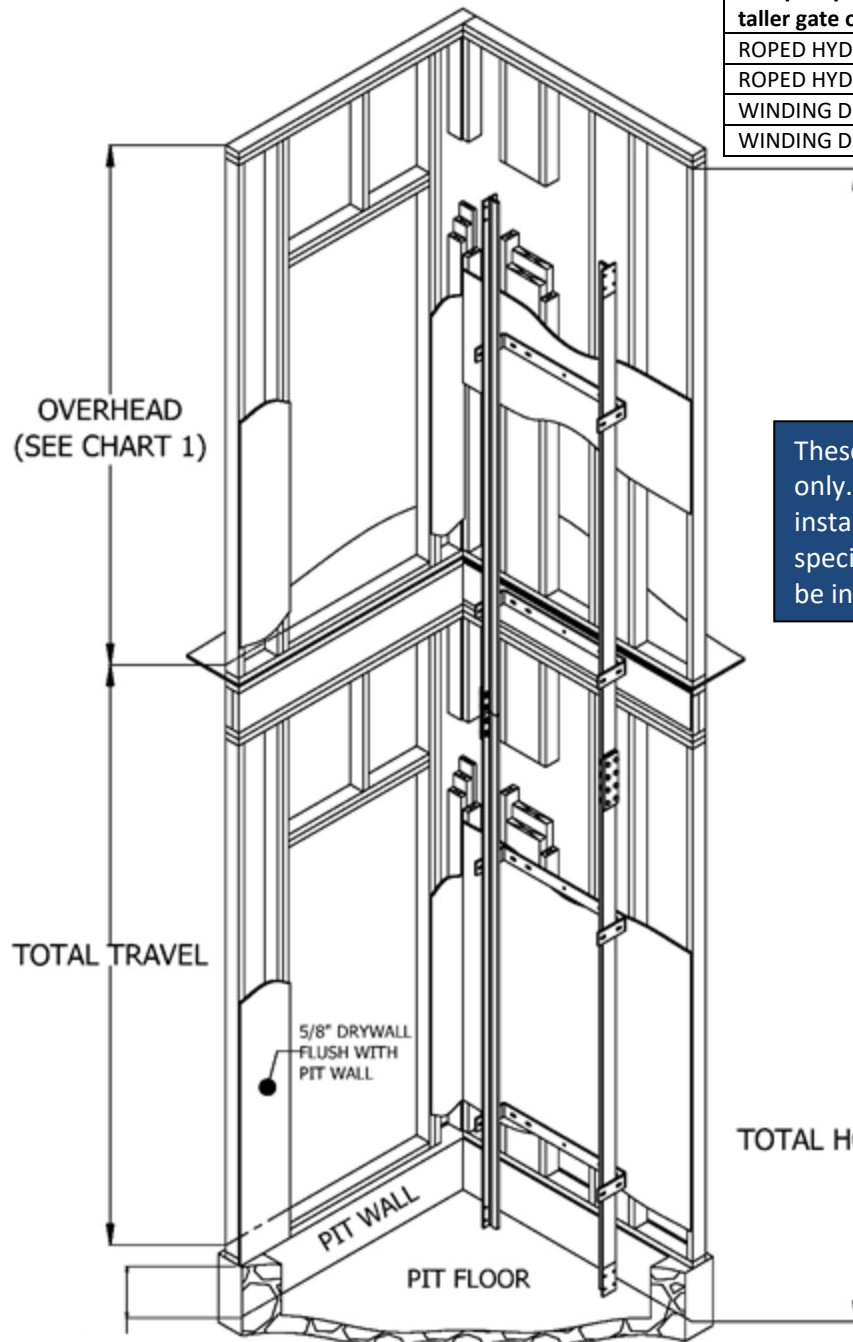
1. Determine what pit depth you can provide.
2. Determine what overhead space you can provide.
3. Determine machine room space and location you can provide.
4. Coordinate with your dealer to go over your options, interior finishes and upgrades.

Drive System	Capacity Speed	Pit Depth	Machine Room	Hoistway Ceiling Height (overhead)	Car Door Options	Shaft Door Options	Power Supply
SRH 2:1 roped hydraulic	750-950 lbs. 40 FPM	10" for residential sling. 17" for heavy duty sling	Machine Room required, preferred adjacent to shaft, can be up to 40' remote	8' for 7' car 9' for 8' car	Wrap Around Gate 2 Speed Gate 3 Speed Gate	Swing door 2 Speed 3 Speed	230V 1Ph 30 Amp
MRL 2:1 roped hydraulic	750-950 lbs. 40 FPM	10" for residential sling. 17" for heavy duty sling	No Machine Room - all equipment in shaft	8' for 7' car 9" for 8' car	Wrap Around Gate 2 Speed Gate 3 Speed Gate	Swing door 2 Speed 3 Speed	230V 1Ph 30 Amp
RMR Winding Drum	750-950 lbs. 40 FPM	10" for residential sling. No heavy duty sling	Machine Room required adjacent to rail on bottom floor	8' for 7' car 9' for 8' car	Wrap Around Gate 2 Speed Gate 3 Speed Gate	Swing door 2 Speed 3 Speed	230V 1Ph 30 Amp
RMD Winding Drum	750-950 lbs. 40 FPM	10" for residential sling. No heavy duty sling	No Machine Room - all equipment in shaft	9' 3" for 7' car 10' 3" with 8' car	Wrap Around Gate 2 Speed Gate 3 Speed Gate	Swing door 2 Speed 3 Speed	230V 1Ph 30 Amp

*Additional overhead may be required for 2 or 3 speed door systems.

*Power Supply is for 3 HP motors only.

HOISTWAY ILLUSTRATION



TOTAL HOISTWAY

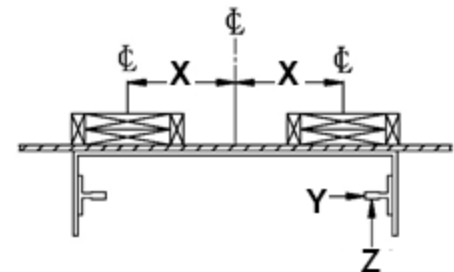
IMPACT LOAD
Varies by system
and construction

CHART 1: OVERHEAD

May vary due to additions or taller gate operators.	7' CAR	8' CAR*
ROPED HYDRO (SRH)	8'	9'
ROPED HYDRO (MRL)	8'	9'
WINDING DRUM (RMR)	8'	9'
WINDING DRUM (RMD)	9'-3"	10'-3"

These drawings depict sample construction only. It is the responsibility of the installer/contractor or engineer to design and specify structural supports. All construction to be in compliance with local codes.

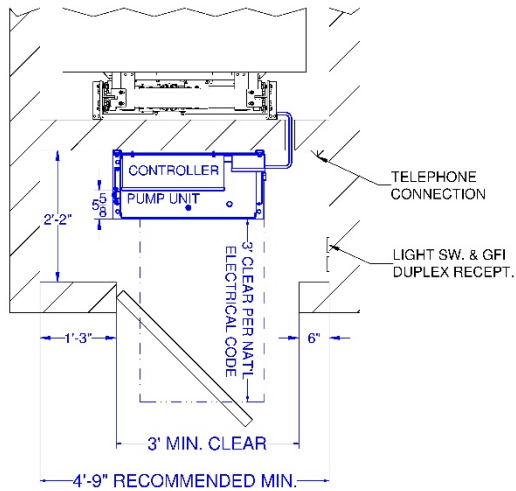
RAIL SUPPORT DETAIL



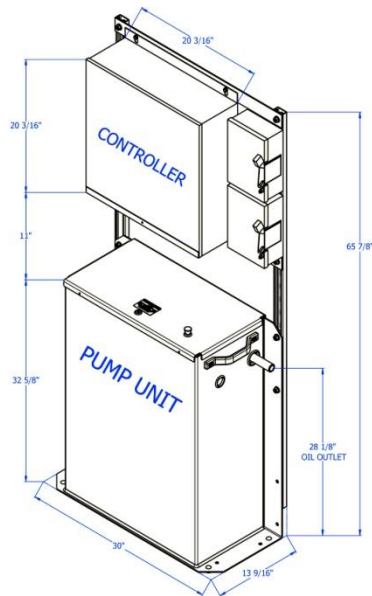
PIT DESIGN

	Residential	Heavy Duty
X	12"	17"
Y	197 lbs	460 lbs
Z	280 lbs	132 lbs
Load Impact	4750 lbs	8000 lbs
Pit Depth	10"	17"

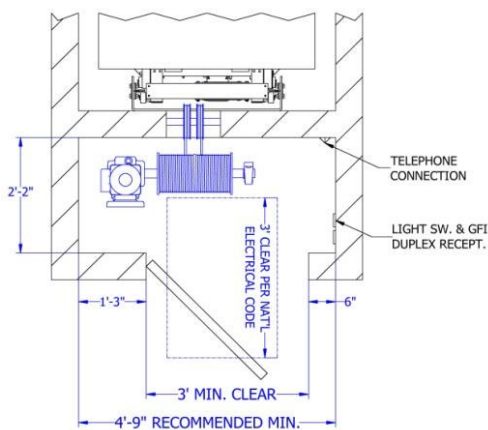
Machine Room Designs and Controller Space



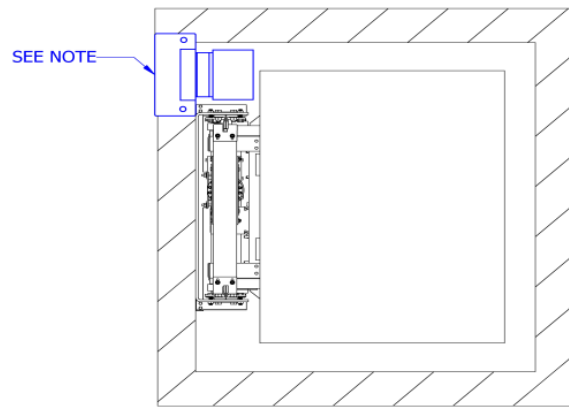
Machine Room – Hydraulic (SRH)



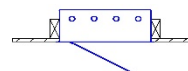
SRH Hydraulic Controller and Pump



Winding Drum (RMR)



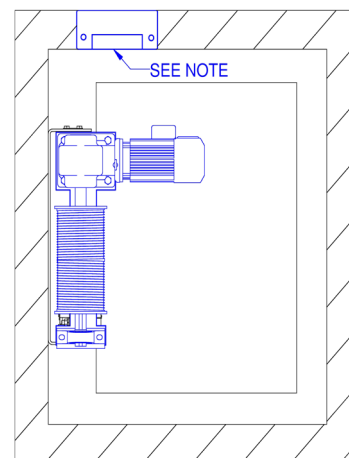
Machine Room Less Hydraulic (MRL)



*NOTE:
MRL CONTROLLER RECESSED IN WALL
ONE LOCATION AS NOTED, SPACE
NEEDED 14.50" WIDE x 36.50" TALL.
(IF BEING REMOTELY MOUNTED PLEASE
ADVISE US). MAIN LINE POWER 220 VAC
30 AMP 1 PH 60Hz 2 WIRE W/NEUTRAL +
GROUND. CAR LIGHT 120 VAC 15 AMP.
PHONE WIRE BY OTHER TO BE
LOCATED AT THE TOP OF CONTROLLER
LOCATION.

MRL Controller

14.5" between studs



Winding Drum (RMD)

Steps to Planning Your Home Elevator

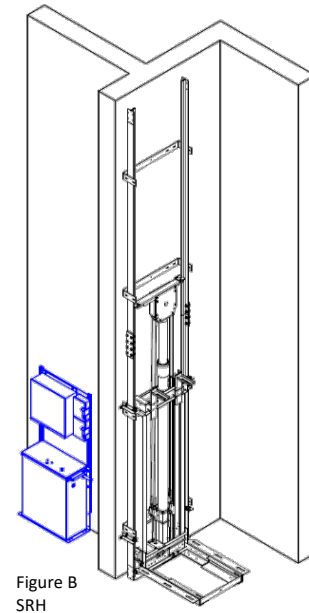
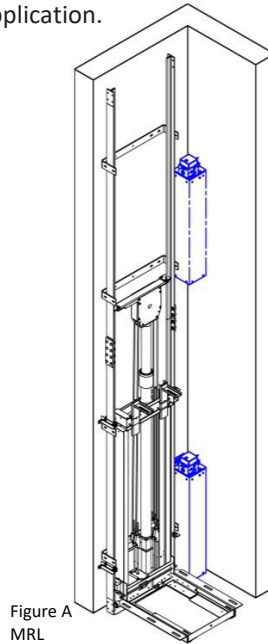
1. Determine the drive type that best fits your home.
2. Determine the car layout that best fits your design: front opening, front and rear openings, front and side openings.
3. Determine the car gate system: Wrap around gate, 2 Speed, 3 speed.
4. Determine hoistway door type that best fits your design: swing door, 2 speed, 3 speed.
5. Determine your car size: standard, 36" X 48", 36" X 60", 40 X 54", upgrade to custom sizes in 1" increments. Layouts for custom applications must be ordered from manufacturer.
6. Select and use proper shop drawings for standard cab layouts, request shop drawings for custom layouts.

Drive Systems Overview

Rocky Mountain Elevator Products offers you the choice of two configurations for the roped hydraulic and winding drum, giving you the flexibility to select the best drive system for your application.

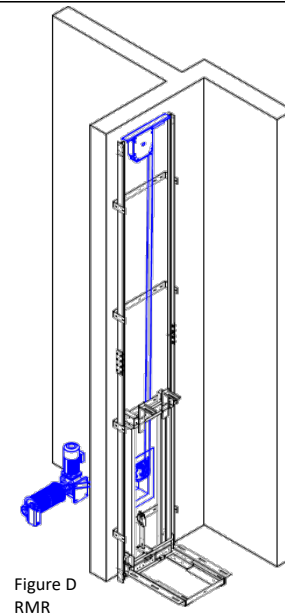
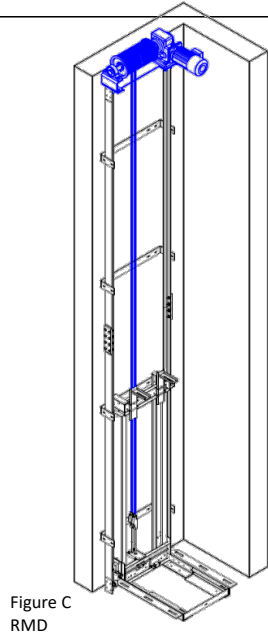
Standard Roped Hydraulic: (SRH)

- ✓ 2:1 roped hydraulic unit utilizing (2) 3/8" 8 x 19 wire ropes running over a sheave mounted atop a 70/80/90mm diameter hydraulic cylinder
- ✓ 950 lbs. capacity (750 lbs. optional)
- ✓ Smooth Ride Technology using the industry's only self-adjusting ride
- ✓ MRL Machine Room-less Hydraulic (Figure A) or remote machine room up to 40' away (Figure B).
- ✓ Submerged motor for quiet operation
- ✓ Emergency battery lowering, (standard)
- ✓ 40 FPM travel speed (increased speed requires a variance)
- ✓ Slack cable safety device
- ✓ 230 V 1Phase 30 Amp with neutral and ground (4 wires)

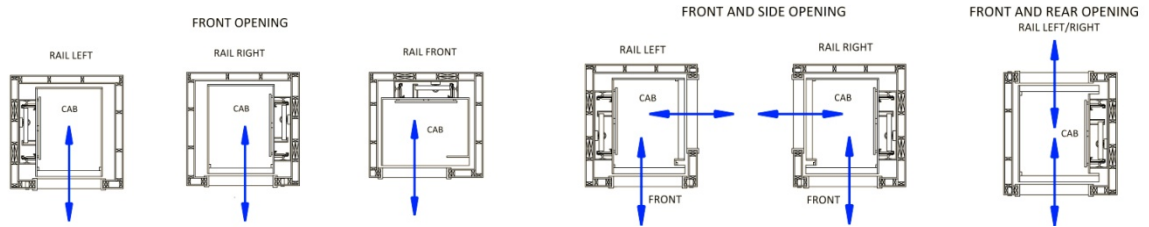


Winding Drum:

- ✓ Inverter controlled variable speed winding drum unit utilizing (2) 3/8" 7X19 steel core wire ropes as suspension means
- ✓ 950 lbs. capacity standard (750 lbs. optional)
- ✓ RMD –Rail Mounted Drum (requires overhead access) (Figure C)
- ✓ RMR drum behind the rail (Figure D)
- ✓ Variable speed for a quality ride
- ✓ Floor specific battery descent (optional)
- ✓ 40 FPM travel speed
- ✓ 230V 1 Phase 30 Amp with neutral and ground (4 wires)
- ✓ Slack cable safety device



Standard Car Layouts



PLEASE READ BEFORE CONSIDERING YOUR GATE STYLE

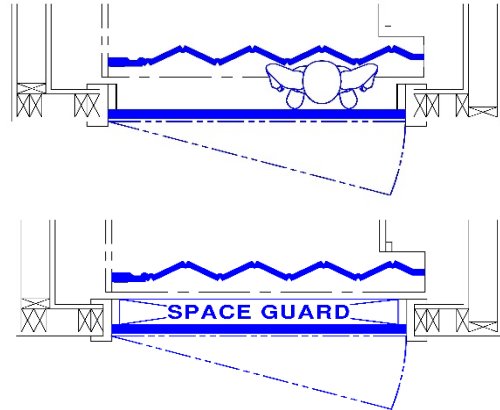


"Warning! Possible Child Entrapment Condition"

While the accordion gate is widely accepted in our industry and when installed properly using the 3" & 5" rule are code compliant.

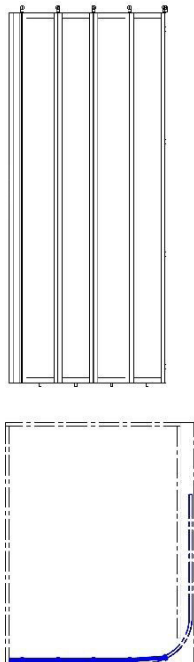
RMEP no longer offers accordion gates as standard equipment due to the hazards associated with them, Please consider a wrap gate or supplemental space guards to minimize the hazards.

RMEP wants you to be informed of this condition and consider the risk to children in making your decision.

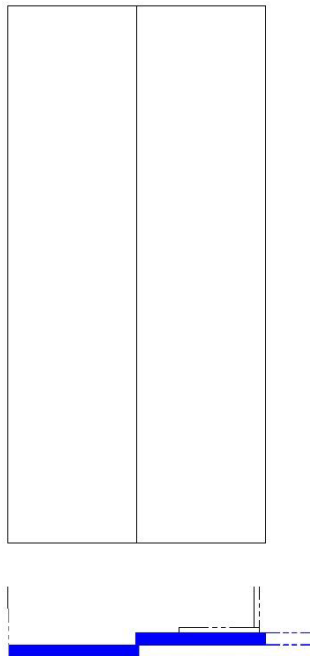


Gate Styles

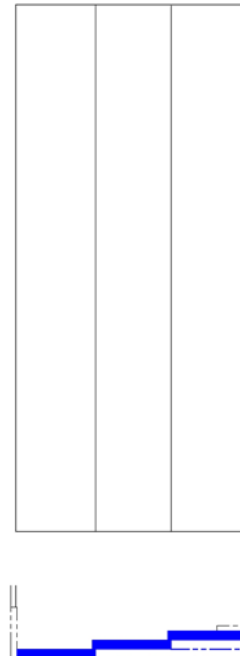
Wrap Around Gate



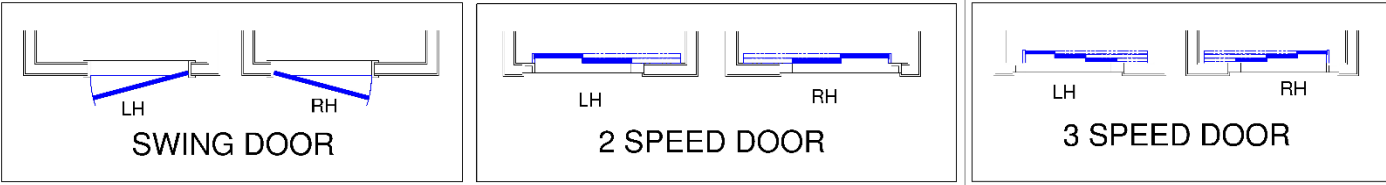
2 Speed Gate



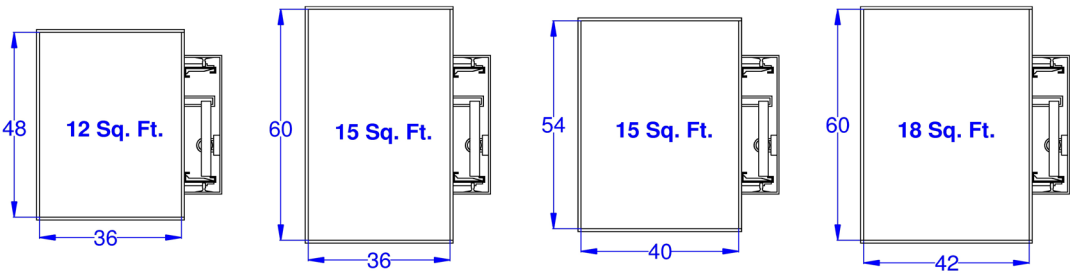
3 Speed Gate



Hoistway Doors



Car Sizes (Standard)



Hoistway Layouts

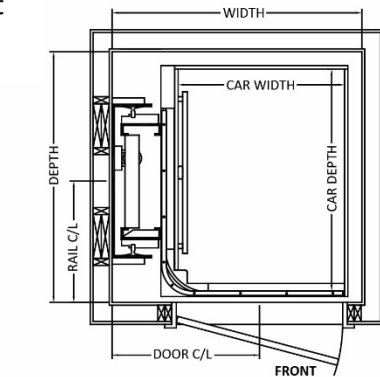


This symbol is listed beside the car size we believe to be best suited for use by the wheelchair passengers and their accompanying attendant.

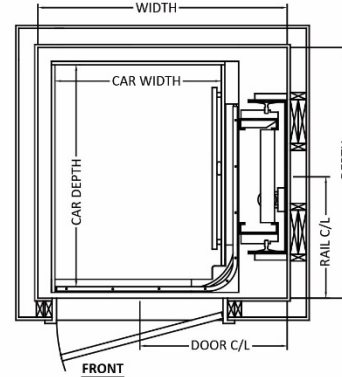
*Residential Sling requires a minimum 10" pit depth.

SRH-WGB STANDARD LAYOUTS & CAR SIZES **Wrap Gate B: No trim WITH WRAP-AROUND STYLE GATE**

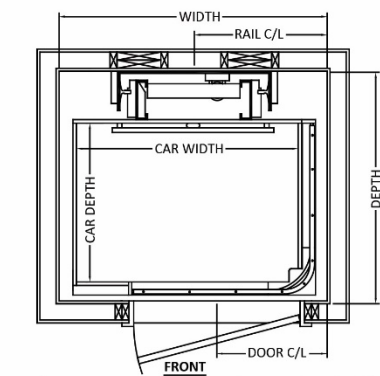
Door Centerlines Represent 36" Swing Doors (Other Widths Available).



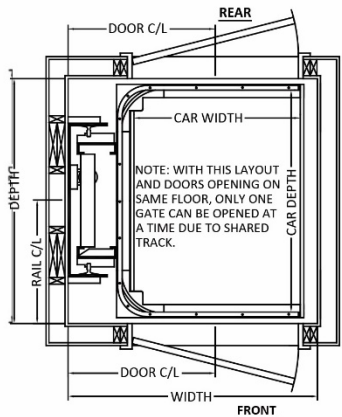
Car Size	Width	Depth	Rail C/L	Door C/L	Clear Front Opening
36x48	54-3/8	54-1/4	24-1/2	32-1/4	34
36x60	54-3/8	66-1/4	30-1/2	32-1/4	34
40x54	58	60-1/4	27-1/2	32-1/4	34



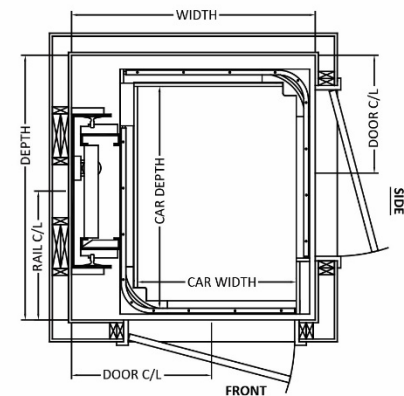
Car Size	Width	Depth	Rail C/L	Door C/L	Clear Front Opening
36x48	54-3/8	54-1/4	24-1/2	32-1/4	34
36x60	54-3/8	66-1/4	30-1/2	32-1/4	34
40x54	58	60-1/4	27-1/2	32-1/4	34



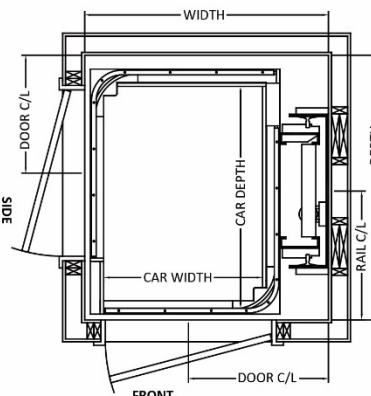
Car Size	Width	Depth	Rail C/L	Door C/L	Clear Front Opening
48x36	58-1/2	50-1/4	29-1/4	24-3/4	34
54x40	64-1/2	54-1/4	32-1/4	24-3/4	34
60x36	70-1/2	50-1/4	35-1/4	24-3/4	34



Car Size	Width	Depth	Rail C/L	Front Door C/L	Rear Door C/L	Clear Front Opening	Clear Rear Opening
36x48	54-3/8	52-1/2	26-1/4	32-1/4	32-1/4	34	34
36x60	54-3/8	64-1/2	32-1/4	32-1/4	32-1/4	34	34
40x54	58	58-1/2	29-1/4	32-1/4	32-1/4	34	34



Car Size	Width	Depth	Rail C/L	Front Door C/L	Side Door C/L	Clear Front Opening	Clear Side Opening
36x48	55	57	27-3/4	32-3/4	24-3/4	34	34
36x60	55	69	33-3/4	32-3/4	24-3/4	34	34
40x54	58-5/8	63	30-3/4	32-3/4	24-3/4	34	34



Car Size	Width	Depth	Rail C/L	Front Door C/L	Side Door C/L	Clear Front Opening	Clear Side Opening
36x48	55	57	27-3/4	32-3/4	24-3/4	34	34
36x60	55	69	33-3/4	32-3/4	24-3/4	34	34
40x54	58-5/8	63	30-3/4	32-3/4	24-3/4	34	34

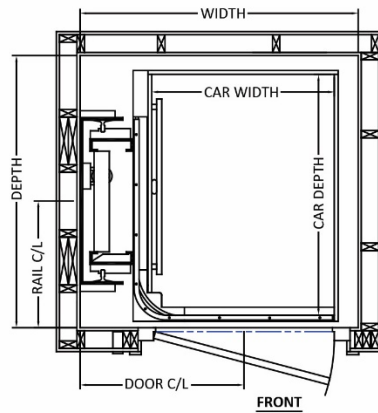


SRH-WGC STANDARD LAYOUTS & CAR SIZES WITH WRAP-AROUND STYLE GATE

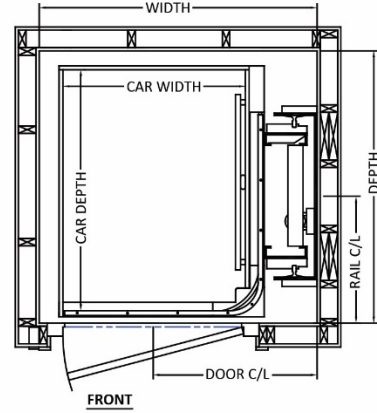
Wrap Gate C: ¾" Door Frame

Door Centerlines Represent 36" Swing Doors (Other Widths Available).

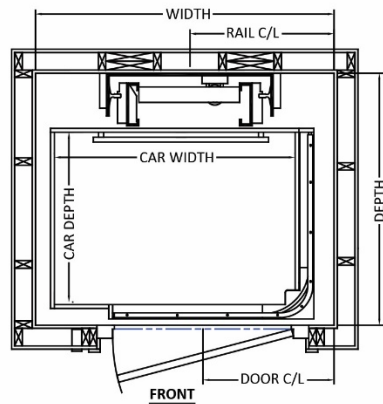
*Residential
Sling requires a
minimum 10"
pit depth.



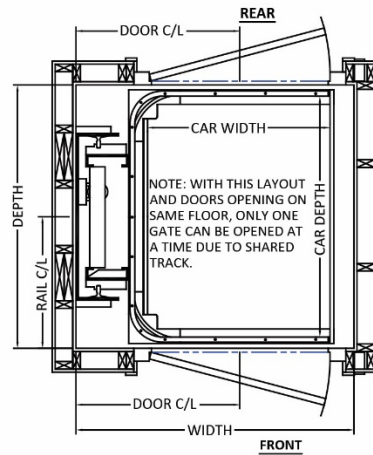
Car Size	Width	Depth	Rail C/L	Door C/L	Clear Front Opening
36x48	55-3/8	54-1/4	24-1/2	32-1/4	34
36x60	55-3/8	66-1/4	30-1/2	32-1/4	34
40x54	59	60-1/4	27-1/2	32-1/4	34



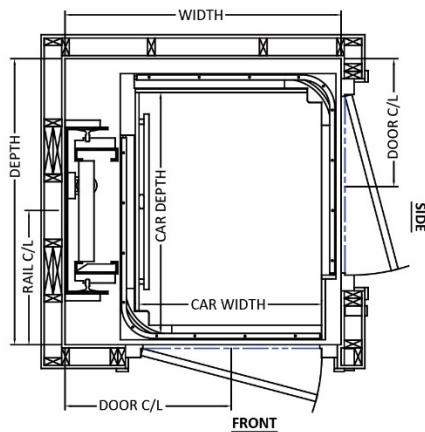
Car Size	Width	Depth	Rail C/L	Door C/L	Clear Front Opening
36x48	55-3/8	54-1/4	24-1/2	32-1/4	34
36x60	55-3/8	66-1/4	30-1/2	32-1/4	34
40x54	59	60-1/4	27-1/2	32-1/4	34



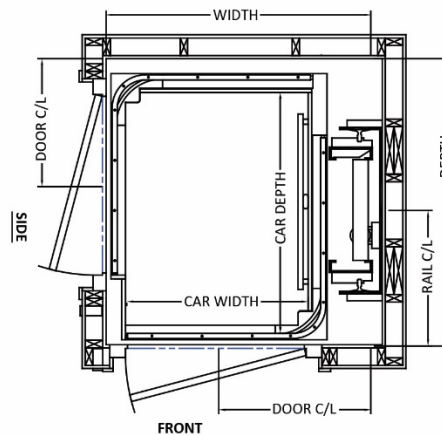
Car Size	Width	Depth	Rail C/L	Door C/L	Clear Front Opening
48x36	59-1/2	50-1/4	30-1/4	25-3/4	34
54x40	65-1/2	54-1/4	33-1/4	25-3/4	34
60x36	71-1/2	50-1/4	36-1/4	25-3/4	34



Car Size	Width	Depth	Rail C/L	Front Door C/L	Rear Door C/L	Clear Front Opening	Clear Rear Opening
36x48	55-3/8	52-1/2	26-1/4	32-1/4	32-1/4	34	34
36x60	55-3/8	64-1/2	32-1/4	32-1/4	32-1/4	34	34
40x54	59	58-1/2	29-1/4	32-1/4	32-1/4	34	34



Car Size	Width	Depth	Rail C/L	Front Door C/L	Side Door C/L	Clear Front Opening	Clear Side Opening
36x48	55	57	27-3/4	32-3/4	24-3/4	34	34
36x60	55	69	33-3/4	32-3/4	24-3/4	34	34
40x54	58-5/8	63	30-3/4	32-3/4	24-3/4	34	34



Car Size	Width	Depth	Rail C/L	Front Door C/L	Side Door C/L	Clear Front Opening	Clear Side Opening
36x48	55	57	27-3/4	32-3/4	24-3/4	34	34
36x60	55	69	33-3/4	32-3/4	24-3/4	34	34
40x54	58-5/8	63	30-3/4	32-3/4	24-3/4	34	34

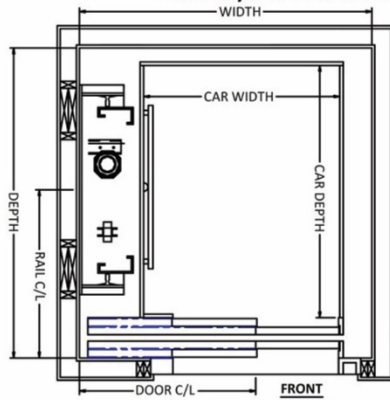


SRH-2SPV STANDARD LAYOUTS & CAR SIZES WITH 2-SPEED CAR & LANDING DOORS

Door Centerlines Represent 35-1/2" Clear Openings.

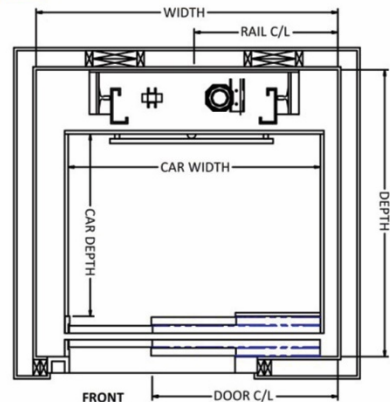
These layouts exceed the 15 sq ft code and may require a local variance.

*Heavy Duty Sling requires a minimum 17" pit depth.



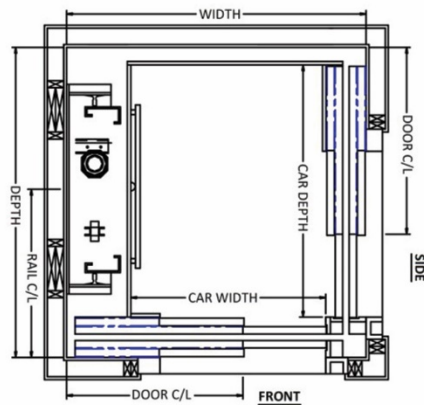
Model Name: SRH-2SPVL,(SIZE),RL,FRONT,RH
(Left Gate Stack,Rail Left,Front Opening,Right Hand Door)

Car Size	Width	Depth	Rail C/L	Door C/L	Clear Front Opening
42x54	63	66-11/16	33-15/16	38	35-1/2
42x60	63	72-11/16	36-15/16	38	35-1/2



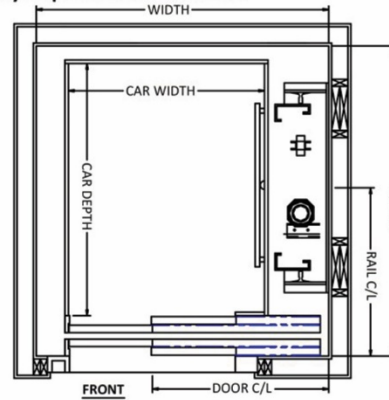
Model Name: SRH-2SPVR,(SIZE),RF,FRONT,LH
(Right Gate Stack,Rail Front,Front Opening,Left Hand Door)

Car Size	Width	Depth	Rail C/L	Door C/L	Clear Front Opening
54x42	65	65-3/16	33-3/4	40	35-1/2
60x42	71	65-3/16	36-3/4	46	35-1/2



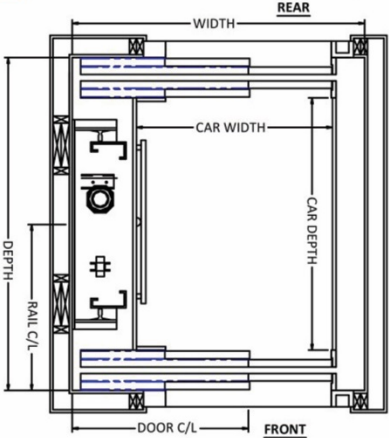
Model Name: SRH-2SPVLR,(SIZE),RL,FRONT-SIDE,RH-LH
(Left Front Gate Stack & Right Side Gate Stack,Rail Left,Front & Side Openings,Front Right Hand Door & Side Left Hand Door)

Car Size	Width	Depth	Rail C/L	Front Door C/L	Side Door C/L	Clear Front Opening	Clear Side Opening
42x54	65-3/16	66-11/16	33-15/16	38-1/2	40	35-1/2	35-1/2
42x60	65-3/16	72-11/16	36-15/16	38-1/2	46	35-1/2	35-1/2



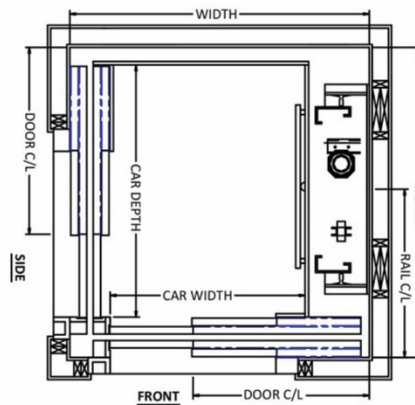
Model Name: SRH-2SPVR,(SIZE),RR,FRONT,LH
(Right Gate Stack,Rail Right,Front Opening,Left Hand Door)

Car Size	Width	Depth	Rail C/L	Door C/L	Clear Front Opening
42x54	63	66-11/16	33-15/16	38	35-1/2
42x60	63	72-11/16	36-15/16	38	35-1/2



Model Name: SRH-2SPVLR,(SIZE),RL,FRONT-REAR,RH-LH
(Left Front Gate Stack & Right Rear Gate Stack,Rail Left,Front & Rear Openings,Front Right Hand Door & Rear Left Hand Door)

Car Size	Width	Depth	Rail C/L	Front Door C/L	Rear Door C/L	Clear Front Opening	Clear Rear Opening
42x54	63	71-7/8	35-15/16	38	38	35-1/2	35-1/2
42x60	63	77-7/8	38-15/16	38	38	35-1/2	35-1/2



Model Name: SRH-2SPVLR,(SIZE),RR,FRONT-SIDE,LH-RH
(Right Front Gate Stack & Left Side Gate Stack,Rail Right,Front & Side Openings,Front Left Hand Door & Side Right Hand Door)

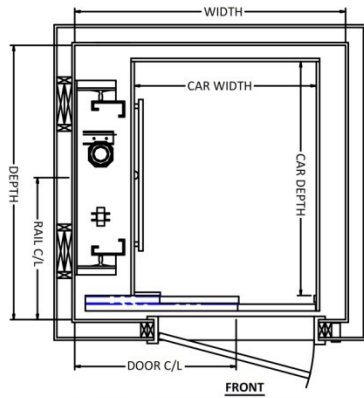
Car Size	Width	Depth	Rail C/L	Front Door C/L	Side Door C/L	Clear Front Opening	Clear Side Opening
42x54	65-11/16	66-11/16	33-15/16	38-1/2	40	35-1/2	35-1/2
42x60	65-11/16	72-11/16	36-15/16	38-1/2	46	35-1/2	35-1/2

SRH-2SPVS STANDARD LAYOUTS & CAR SIZES WITH 2-SPEED CAR & SWING LANDING DOORS

Door Centerlines Represent 36" Door Openings.

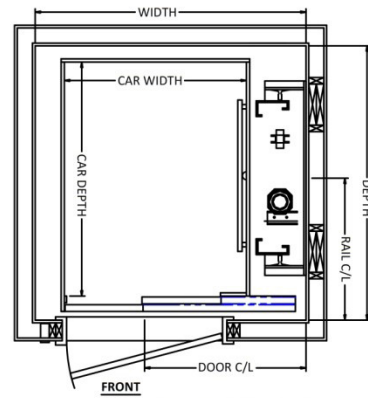
These layouts exceed the 15 sq ft code and may require a local variance.

*Heavy Duty
Sling requires a
minimum 17"
pit depth.



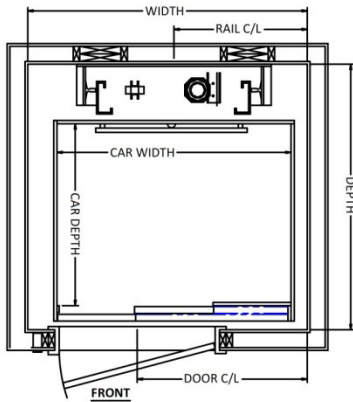
Model Name: SRH-2SPVSL(SIZE),RL,FRONT,RH
(Left Gate Stack,Rail Left,Front Opening,Right Hand Door)

Car Size	Width	Depth	Rail C/L	Door C/L	Clear Front Opening
42x54	63	62-9/16	29-13/16	38-1/4	35-1/2
42x60	63	68-9/16	32-13/16	38-1/4	35-1/2



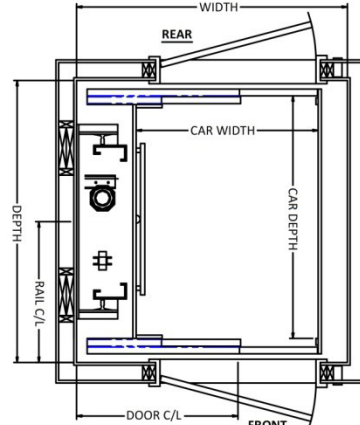
Model Name: SRH-2SPVSR(SIZE),RR,FRONT,LH
(Right Gate Stack,Rail Right,Front Opening,Left Hand Door)

Car Size	Width	Depth	Rail C/L	Door C/L	Clear Front Opening
42x54	63	62-9/16	29-13/16	38-1/4	35-1/2
42x60	63	68-9/16	32-13/16	38-1/4	35-1/2



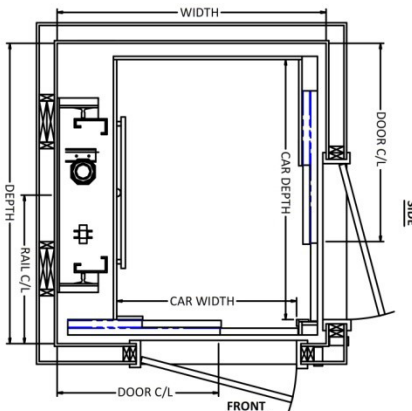
Model Name: SRH-2SPVSR(SIZE),RF,FRONT,LH
(Right Gate Stack,Rail Front,Front Opening,Left Hand Door)

Car Size	Width	Depth	Rail C/L	Door C/L	Clear Front Opening
54x42	65	61-1/16	30-3/4	40-1/4	35-1/2
60x42	71	61-1/16	33-3/4	46-1/4	35-1/2



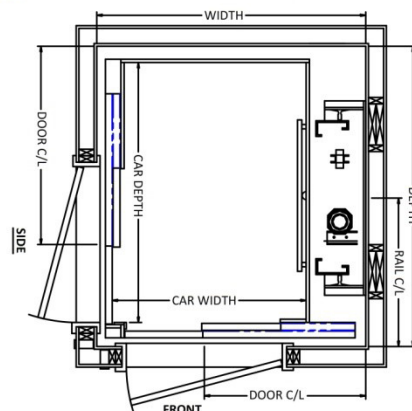
Model Name: SRH-2SPVSLR(SIZE),RL,FRONT-REAR,RH-LH
(Left Front Gate Stack & Right Rear Gate Stack,Rail Left,Front & Rear Openings,Front Right Hand Door & Rear Left Hand Door)

Car Size	Width	Depth	Rail C/L	Front Door C/L	Rear Door C/L	Clear Front Opening	Clear Rear Opening
42x54	63	63-1/8	31-9/16	38-1/4	38-1/4	35-1/2	35-1/2
42x60	63	69-1/8	34-9/16	38-1/4	38-1/4	35-1/2	35-1/2



Model Name: SRH-2SPVSLR(SIZE),RL,FRONT-SIDE,LH
(Left Front Gate Stack & Right Side Gate Stack,Rail Left,Front & Side Openings,Front Right Hand Door & Side Left Hand Door)

Car Size	Width	Depth	Rail C/L	Front Door C/L	Side Door C/L	Clear Front Opening	Clear Side Opening
42x54	60-13/16	62-5/16	29-9/16	38-3/4	40-1/4	35-1/2	35-1/2
42x60	60-13/16	68-5/16	32-9/16	38-3/4	46-1/4	35-1/2	35-1/2



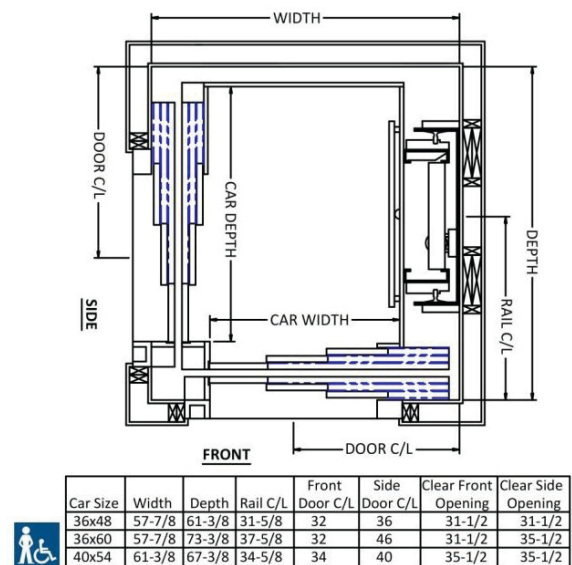
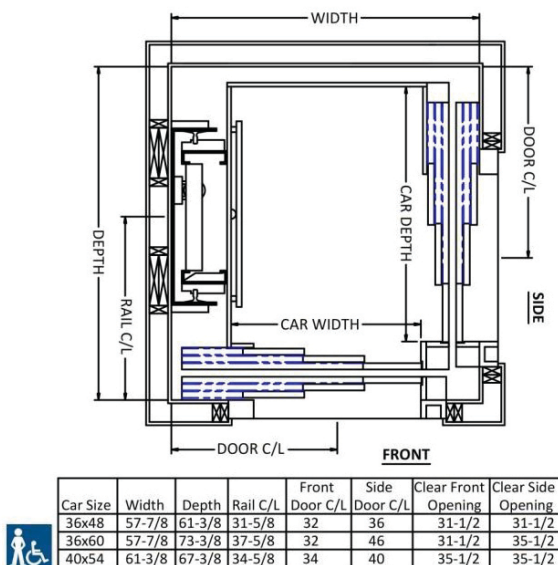
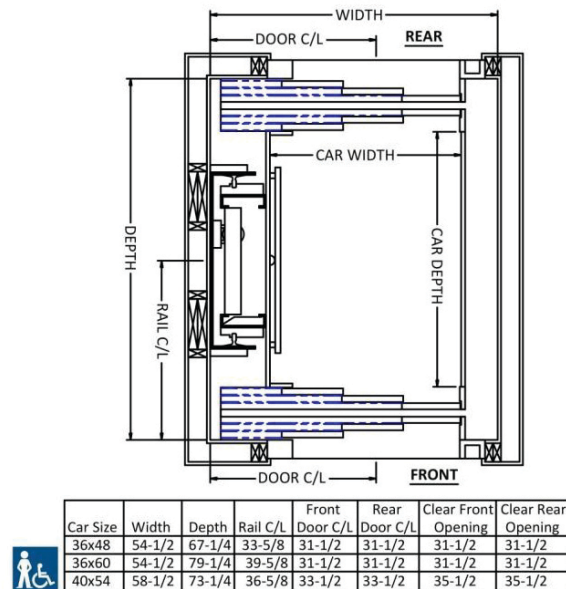
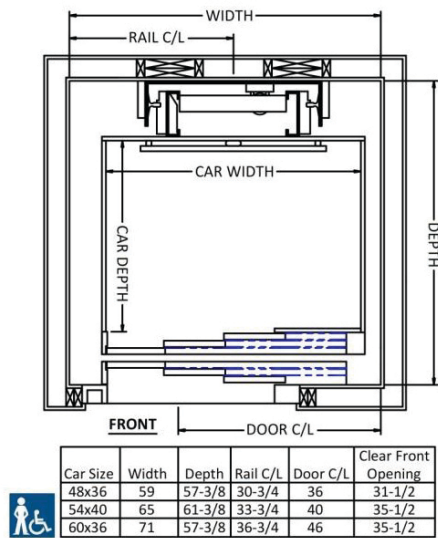
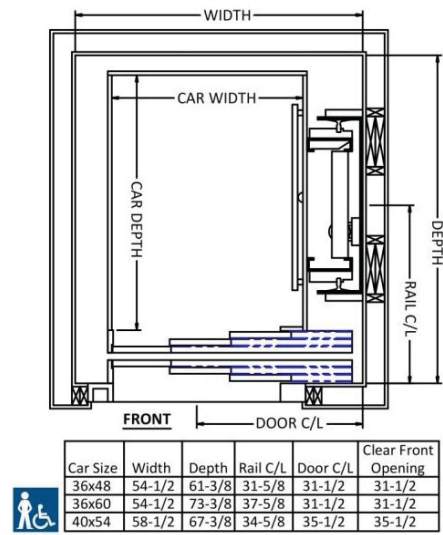
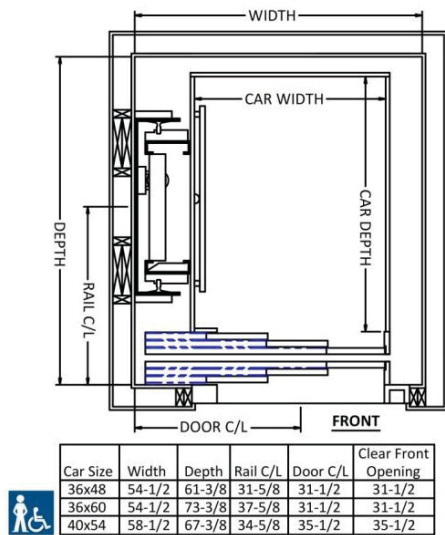
Model Name: SRH-2SPVSLR(SIZE),RR,FRONT-SIDE,LH-RH
(Right Front Gate Stack & Left Side Gate Stack,Rail Right,Front & Side Openings,Front Left Hand Door & Side Right Hand Door)

Car Size	Width	Depth	Rail C/L	Front Door C/L	Side Door C/L	Clear Front Opening	Clear Side Opening
42x54	60-13/16	62-5/16	29-9/16	38-3/4	40-1/4	35-1/2	35-1/2
42x60	60-13/16	68-5/16	32-9/16	38-3/4	46-1/4	35-1/2	35-1/2

SRH-3SPV STANDARD LAYOUTS & CAR SIZES WITH 3-SPEED CAR & LANDING DOORS

Door Centerlines Represent Either 31-1/2" or 35-1/2" Clear Openings, Depending on Model.

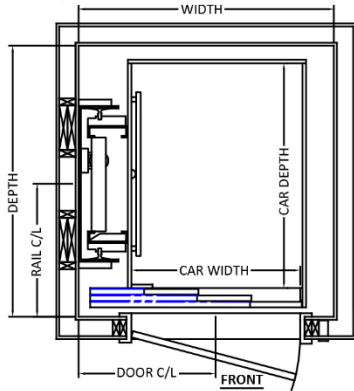
*Residential
Sling requires a
minimum 10"
pit depth.



SRH-3SPVS STANDARD LAYOUTS & CAR SIZES WITH 3-SPEED CAR & SWING LANDING DOORS

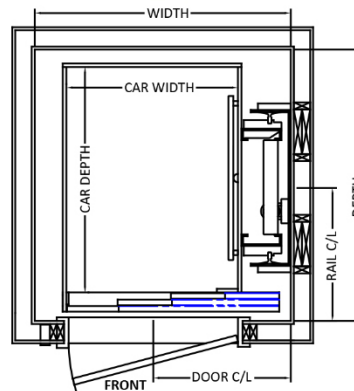
*Residential
Sling requires
a minimum
10" pit depth.

Door Centerlines Represent Either 32" or 36" Swing Doors, Depending on Model.



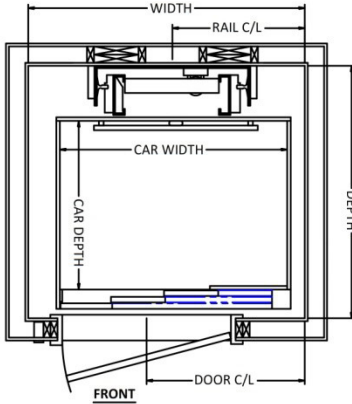
Model Name: SRH-3SPVSL, (SIZE), RL, FRONT, RH
(Left Gate Stack, Rail Left, Front Opening, Right Hand Door)

Car Size	Width	Depth	Rail C/L	Door C/L	Clear Front Opening
36x48	54-1/2	57-1/8	27-3/8	31-1/4	31-1/2
36x60	54-1/2	69-1/8	33-3/8	31-1/4	31-1/2
40x54	58-1/2	63-1/8	30-3/8	33-1/4	35-1/2



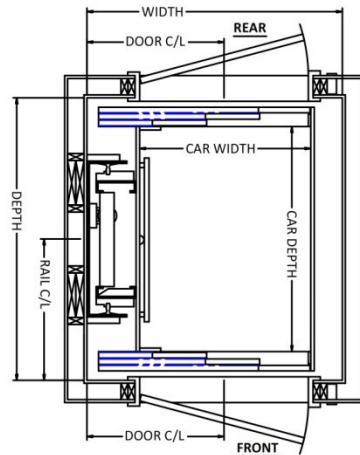
Model Name: SRH-3SPVSR, (SIZE), RR, FRONT, LH
(Right Gate Stack, Rail Right, Front Opening, Left Hand Door)

Car Size	Width	Depth	Rail C/L	Door C/L	Clear Front Opening
36x48	54-1/2	57-1/8	27-3/8	31-1/4	31-1/2
36x60	54-1/2	69-1/8	33-3/8	31-1/4	31-1/2
40x54	58-1/2	63-1/8	30-3/8	33-1/4	35-1/2



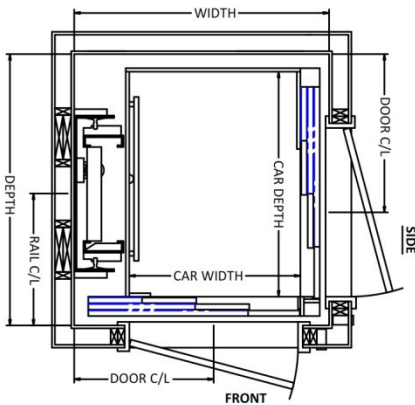
Model Name: SRH-3SPVSR, (SIZE), RF, FRONT, LH
(Right Gate Stack, Rail Front, Front Opening, Left Hand Door)

Car Size	Width	Depth	Rail C/L	Door C/L	Clear Front Opening
48x36	59	53-1/8	28-1/4	35-3/4	31-1/2
54x40	65	57-1/8	31-1/4	39-3/4	35-1/2
60x36	71	53-1/8	34-1/4	45-3/4	35-1/2



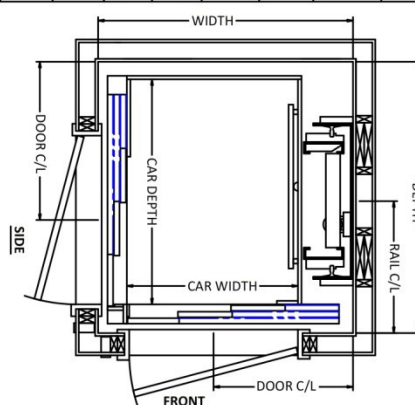
Model Name: SRH-3SPVSLR, (SIZE), RL, FRONT-REAR, RH-LH
(Left Front Gate Stack & Right Rear Gate Stack, Rail Left, Front & Rear Openings, Front Right Hand Door & Rear Left Hand Door)

Car Size	Width	Depth	Rail C/L	Front Door C/L	Rear Door C/L	Clear Front Opening	Clear Rear Opening
36x48	54-1/2	58-1/4	29-1/8	31-1/4	31-1/4	31-1/2	31-1/2
36x60	54-1/2	70-1/4	35-1/8	31-1/4	31-1/4	31-1/2	31-1/2
40x54	58-1/2	64-1/4	32-1/8	33-1/4	33-1/4	35-1/2	35-1/2



Model Name: SRH-3SPVSLR, (SIZE), RL, FRONT-SIDE, RH-LH
(Left Front Gate Stack & Right Side Gate Stack, Rail Left, Front & Side Openings, Front Right Hand Door & Side Left Hand Door)

Car Size	Width	Depth	Rail C/L	Front Door C/L	Side Door C/L	Clear Front Opening	Clear Side Opening
36x48	52-7/8	56-7/8	27-1/8	31-3/4	35-3/4	31-1/2	31-1/2
36x60	52-7/8	68-7/8	33-1/8	31-3/4	45-3/4	31-1/2	35-1/2
40x54	56-7/8	62-7/8	30-1/8	33-3/4	39-3/4	35-1/2	35-1/2



Model Name: SRH-3SPVSLR, (SIZE), RR, FRONT-SIDE, LH-RH
(Right Front Gate Stack & Left Side Gate Stack, Rail Right, Front & Side Openings, Front Left Hand Door & Side Right Hand Door)

Car Size	Width	Depth	Rail C/L	Front Door C/L	Side Door C/L	Clear Front Opening	Clear Side Opening
36x48	52-7/8	56-7/8	27-1/8	31-3/4	35-3/4	31-1/2	31-1/2
36x60	52-7/8	68-7/8	33-1/8	31-3/4	45-3/4	31-1/2	35-1/2
40x54	56-7/8	62-7/8	30-1/8	33-3/4	39-3/4	35-1/2	35-1/2



Work by Others

Delivery

1. Provide smooth (roll-able) access as close as possible to the installation area.

Hoistway

1. Hoistway wall must be framed on each level as per site-specific equipment shop drawings, not architectural drawings. (All dimensions are to finished wall)
2. Hoistway must be plumb and square within ¼".
3. Hoistway doors must be installed on all floors/landings as per site-specific shop drawings.
4. Casing trim inside hoistway cannot protrude more than 1/4" from wall.
5. Drywall and taping must be complete by time of install.
6. No other pipes, wires, liquids, gases, etc. are allowed in hoistway by code.
7. Hoistway temperature must be maintained within 60 to 100 degrees Fahrenheit.
8. Contractor will furnish appropriate rail backing for T-Rail.
9. Rail backing wall must be a load-bearing wall.
10. Consult Dealer for span greater than 10' between floor joists.
11. Maintain below 1/8" tolerances throughout hoistway.
12. The structure of the hoistway must allow for installation of a chain hoist to transfer materials to the upper landings during elevator installation (Eye bolt of 1,000 lb. capacity).
13. 8'0" minimum hoistway overhead above the finished floor at the top landings required for 7'0" car with remote controller.
14. Provide an access hatch for servicing the controller/drive unit.

Doors

1. Doorways must be framed with 2x4 construction for proper clearances by codes (reference shop drawings and/or hoistway door detail).
2. Doors must be a solid core (or equivalent) 20 minute minimum fire rating unless serving a garage, then a 1 hour fire rating is required.
3. The doors, hardware and closers (spring loaded hinges) should be supplied and installed prior to installation.
4. When closed, the landing doors/jambs must leave only 3" of threshold space from inside of hoistway to the backside of the door to allow proper spacing for the hoistway door interlocks, and to meet code (reference shop drawings and/or hoistway door detail).
5. Door openings must be laid out and framed per elevator shop drawings, not architectural drawings.

Pit

1. Pit must be poured to proper depth and size (reference shop drawings).
2. A clean, dry pit must be maintained.
3. Pit floor must be a minimum of 8" (10" preferred) below the finished floor of the lowest landing.
4. Construction of pit floor must withstand an impact load specified by the configuration of the system.

Machine Room/Equipment Room

1. Elevator Equip Elevator Equipment must be within 40' of hoistway.
2. Must have a minimum of 3'0" clear area in front of controller as per electrical code.
3. Permanent telephone line to controller. Telephone must be live before inspection.
4. Machine room temperature must be maintained within 60-100 degrees Fahrenheit.
5. 230V 30Amp Single Phase service whip needs to be ran to Controller.
6. 120V 15Amp Single Phase dedicated car light service whip needs to be ran to Controller.

Cab and Finish

1. All cab choices and any materials being supplied for finishes of this elevator must be provided a minimum of 10 weeks prior to the installation of the elevator.

Safety

1. Hoistway doors or OSHA approved removable barricades must be installed and secured.

Storage

1. A dry, clean and secure area needs to be provided for the elevator equipment not installed at time of delivery.

Acceptance/Final Inspection

1. The elevator phone with dial tone must be present prior to inspection.
2. Cab interior, door hardware, door trim and door finishes must be complete prior to inspection.
3. The elevator cannot be turned over and/or used for construction until it has passed final inspection.

