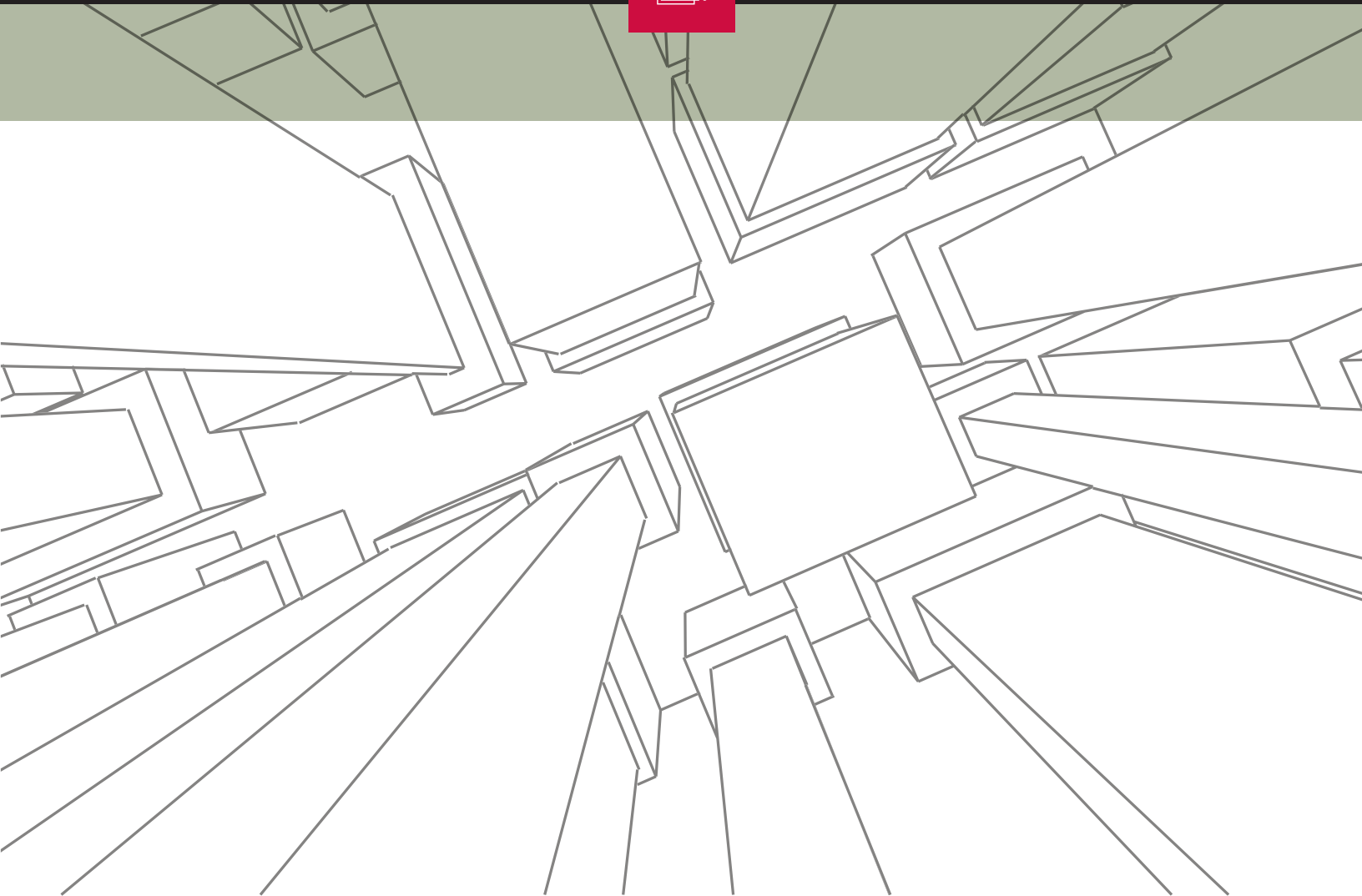




CARELIFT

PLANNING GUIDE





CARELIFT PLANNING GUIDE

This planning guide was created to assist builders, architects, contractors, home owners and elevator professionals in planning for a Carelift commercial wheelchair lift to meet the requirements of CAN/CSA B355 Safety Code for Elevators. It will provide you with nominal dimensions and specifications which are required for the initial planning stages of your project. The following guide is applicable to our Carelift model.

It is important to know and to adhere to all regulations pertaining to the installation and use of elevators to ensure that the product is used correctly and safely. Federal Elevator strongly recommends the following:

- That the proper code authority having jurisdiction in the area where the elevator will be installed be contacted directly,
- That the person responsible for the project is familiar with all legal requirements governing the installation and the use of elevators.

Questions?

Please contact us at **(905)458-4015** or at **sales@federalevators.com**.



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GENERAL SPECIFICATIONS

CARELIFT ELEVATOR	
Rated Load Capacity	1,000 (454 lbs) or 1,400 lbs. (635 kg)
Cab Size	Choice of 36"x60" (914mm x 1219mm) [Standard] 36"x54" (914mm x 1372mm) 36"x60" (914mm x 1524mm) 42"x60" (1067mm x 1524mm) or, 48"x60" (1219mm x 1524mm)
Maximum Travel	23ft. (7m)
Maximum Number of Stops	4
Control System	Constant Pressure Pushbutton
Cab Height	Choice of 80"(2032mm) [Standard] or 84" (2134mm)
Pit Depth Required	8" Minimum (203mm)
Minimum Overhead Clearance	92" (2337mm)
Drive System	1:2 Roped Hydraulic
Hall Landing Doors	Swing Type - Manual
Cab Panel Finish Melamine	Choice of Summer drops (grey), White, Almondine (beige), Shiraz Cherry, Prestige Maple, Antiqua (walnut) or Palamino High (Oak).
Ceiling –Solid Melamine with Pot lights	White (Please speak to a representative for other options)
Control Panel Finish	Stainless Steel
Hall Station Finish	Stainless Steel
Floor Selection	Magnetic Selector
Flooring Material	Rubber flooring, choice of grey or brown
Standard Features	<ul style="list-style-type: none">■ 1 Stainless Steel Handrail■ Instantaneous Safety Device■ Emergency Battery Lowering■ Emergency stop and alarm button at operating panel■ Emergency light in cab



PROVISIONS BY OTHERS

The following notes must be considered by owner or agent prior to approval of these drawings and specifications.

GENERAL

- Provide a plumb (+/-1 per 100 ft, +/-25.4mm per 30480mm of travel), square framed and enclosed legal hoistway, including venting, to the size shown on the General Layout drawings.
- Measurements for travel, pit depth and overhead are very critical and must be within ¼" (6mm).
- 8" (203 mm) minimum pit depth.
- A substantial, level pit floor slab to support loads indicated on elevator contractor's General Layout.
- Pit water proofing or sump pump, if required.
- Provide pit light with guard and GFCI duplex receptacle in place marked by our forces.
- 8" (203mm) minimum overhead. Please contact our office for dimensions less than 11' 2" (3404mm).
- Provide adequate rail bracket support to suit the floor spacing chart on the General Layout drawings and provide additional supports on all floors as required.
- Barricades or guards, shall be provided by others outside of every opening to the hoistway to protect other trades, building occupants or visitors as per the Occupational Health & Safety Act (OSHA). These guards and barricades to be erected, maintained and removed by others.
- Vertical surfaces of entrance sill supports to be plumb, one above another and square with the hoistway. Finish floor and grout, if required, between door frames to sill line.

MACHINE ROOM

- Machine room to meet the requirement of local codes.
- Legal access, a self-closing and self-locking door and painted concrete floor.
- Provide permanent lighting.
- Provide GFCI duplex receptacle within room.
- Provide a fused disconnect switch with type 'D' fuses for each elevator including the wiring from the disconnect switch to the power terminals of each controller. Refer to General Layout drawings for permanent power requirements and location of the disconnect switch.
- Provide a separate fused disconnect switch for the lights for the lift rated at 120V, 15 AMP, including the wiring from the disconnect switch to the light terminals of each controller. Refer to General Layout drawings for permanent power requirements and location of the disconnect switch.
- Locate the machine room light switch on the lock jamb side of the machine room door, along with the elevator and light disconnects where practical.
- Sleeves/Conduit for electrical wiring and oil lines from machine room to hoistway in a straight run as required. Refer to General Layout drawings for location of Sleeves/Conduit
- A dedicated analogue tone telephone line to the side of the controller in machine room, if required

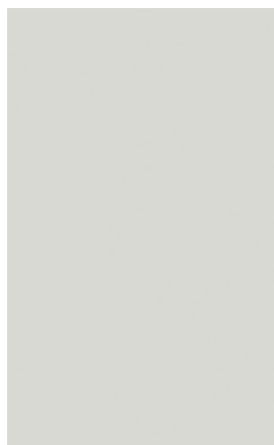
■ **NOTE: Walls to be enclosed after the elevator is installed. BARRICADES See Page 3 of the General Layout for rough opening height of entrances.**



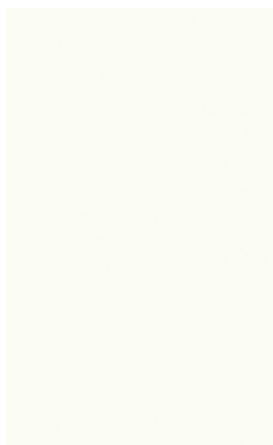
STANDARD MELAMINE FINISHES*

Choose from one of the following*:

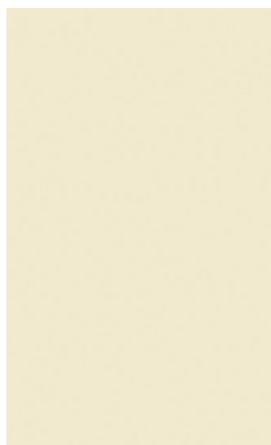
Summer Drops L202



White L175



Almondine L258



Shiraz Cherry L472



Prestige Maple L476



Truffle (Walnut) L479



* Please note that more finishes are available from www.tafisa.ca/colors.html.
Additional charges may apply.



WARRANTY

We will make good and/or replace, if necessary, any and all defects due to imperfect workmanship which may appear during this warranty. These defects, and the repairs required, will be solely determined by Federal Elevator Systems Inc. upon receiving at its place of business the piece deemed to be defective by the Owner and/or Representative.

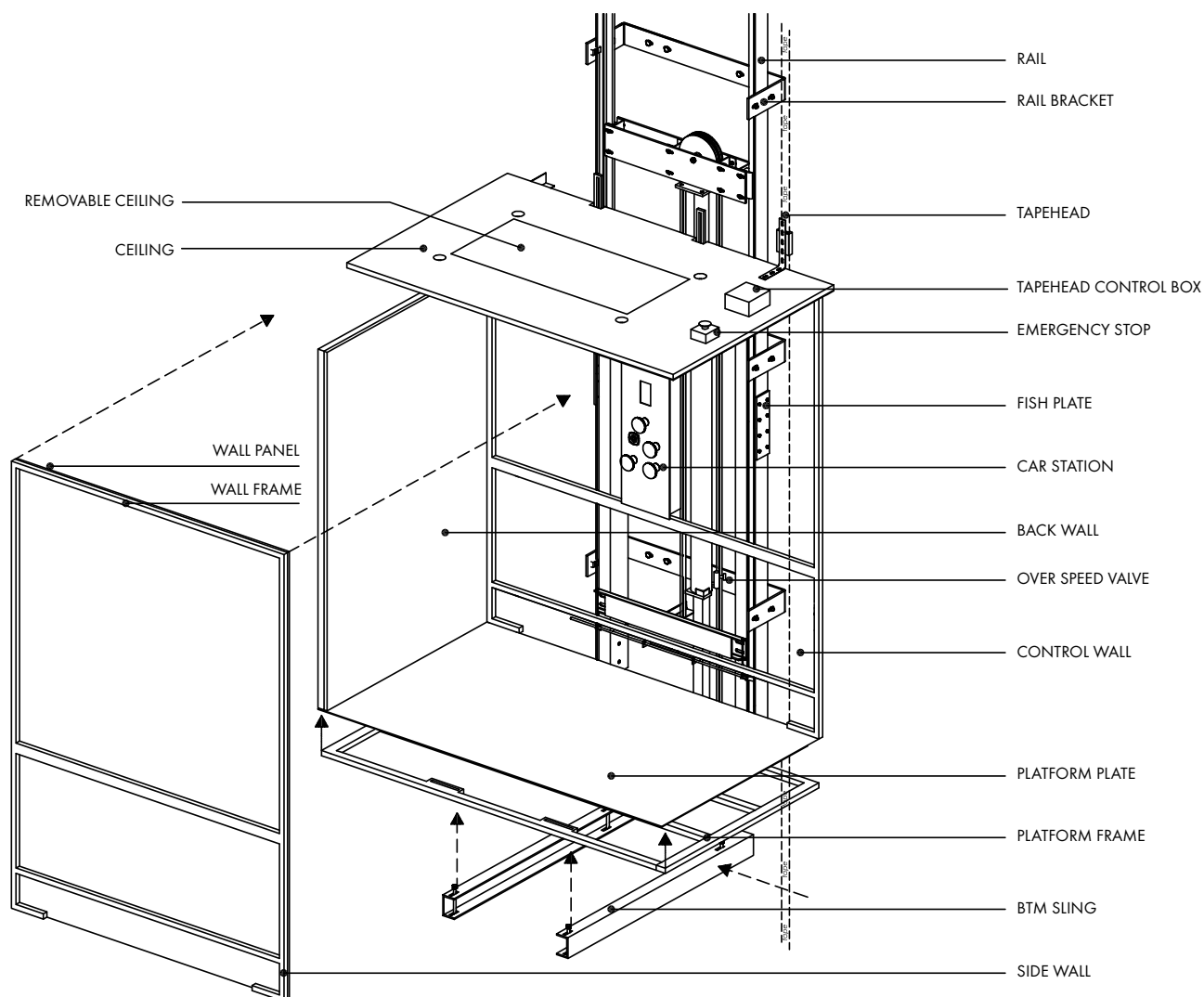
This warranty does not cover damages caused by normal wear and tear, accident, fire, unauthorized alterations, vandalism, willful damage, negligence, acts of God, or other like causes. This warranty shall be considered null and void unless the lift is maintained properly and consistently by a registered contractor in the Province where the lift is located. Such maintenance shall be performed in accordance with Federal Elevator's recommendations and the requirements of the Province's acts and regulations.

Please refer to your signed contract to confirm the length of time your unit will be covered.

■ **NOTE: Customer may arrange for a longer warranty period however, this MUST be done prior to the unit being shipped from the Federal Elevator plant.**



EXPLODED VIEW

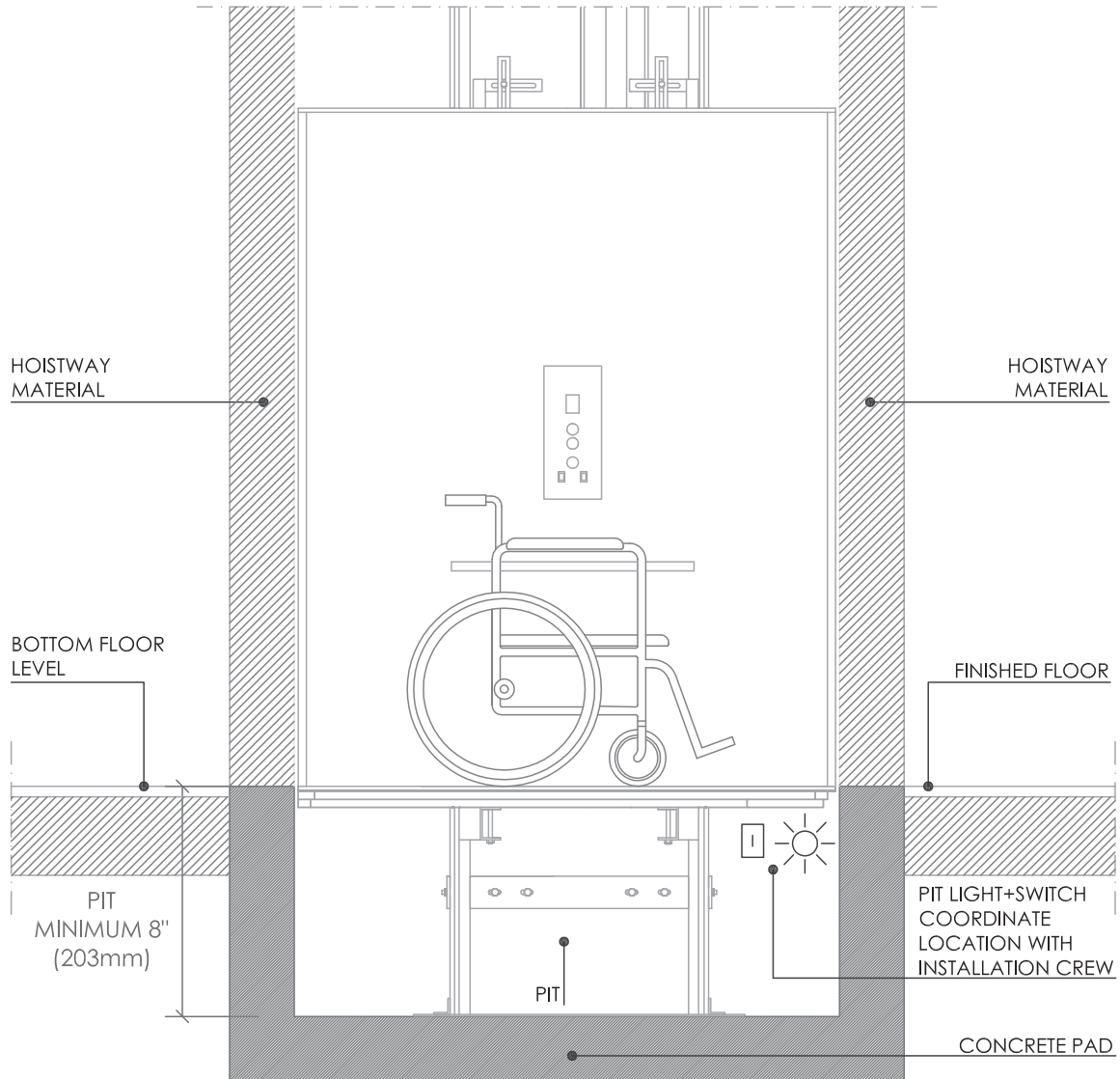


NOTES:

- 1 MINIMUM MACHINE ROOM HEIGHT 6'7" (2000mm).
- 2 1m (1000mm) CLEARANCE IN FRONT OF LIVE PANEL IS REQUIRED.



PIT CONSTRUCTION

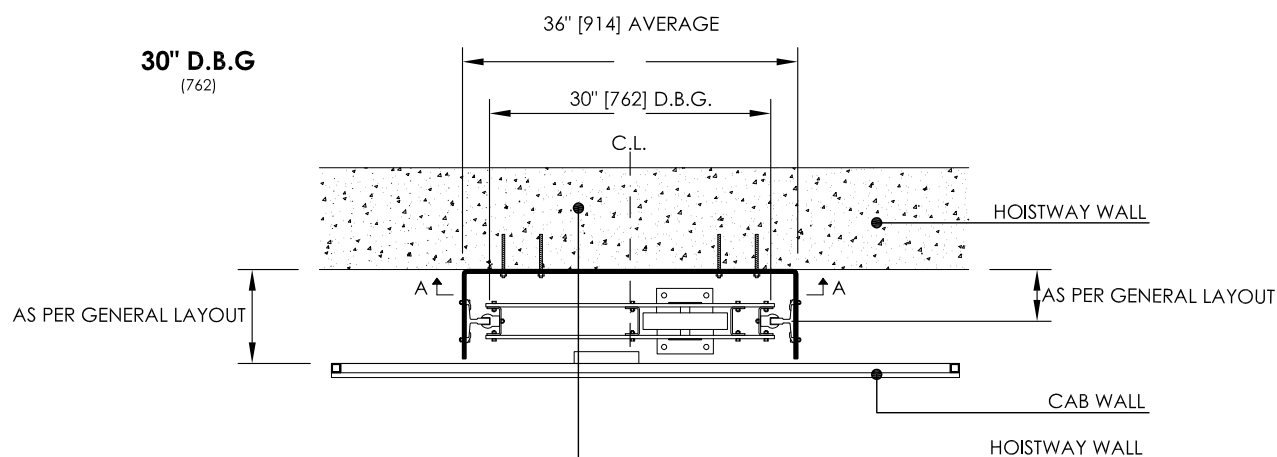


NOTES:

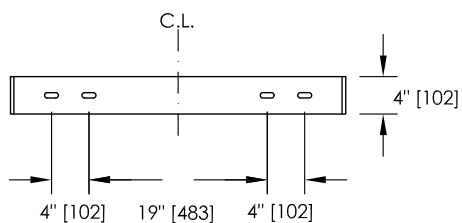
- 1 PIT FLOOR TO SUPPORT LOAD OF 17.0kN OR 3800 lbs (DOUBLED FOR IMPACT).
- 2 PIT TO BE LEVEL, DRY AND FREE OF DEBRIS.
- 3 PIT MUST BE THE SAME WIDTH AND LENGTH AS THE HOISTWAY.
- 4 PIT MINIMUM 8" (203mm).



RAIL BRACKET DETAIL ROPED



SECTION A-A
MOUNTING HOLE
LOCATIONS

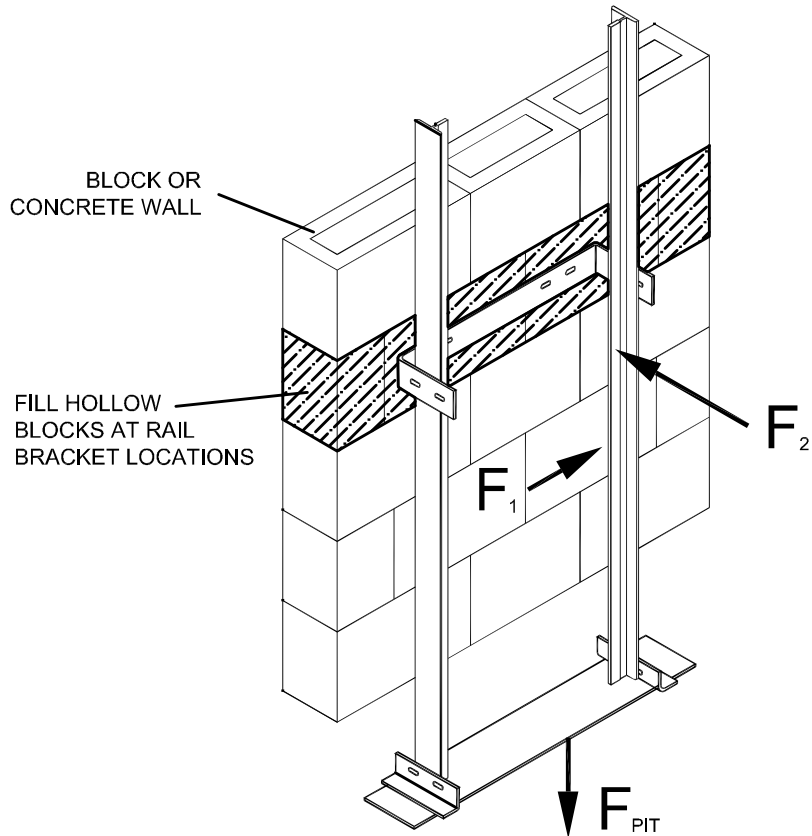


CRITICAL DIMENSIONS ARE:

- 1 WALL TO CENTRE OF RAIL – 5 ½" (140mm)
- 2 WALL TO CAB – 10" (254mm)



RAIL FORCES



LOAD	DESCRIPTION	LB _f [KN]
F_{PIT}	Load Imposed on Pit Floor (Including Impact)	3825 [17.0]
F_1	Force on Rail	225 [1.0]
F_2	Force on Rail	675 [3.0]



MACHINE ROOM

TYPE 1

2 SLEEVES THROUGH WALL
TO HOISTWAY WALL FOR
ELECTRICAL AND HYDRAULIC
(CONTRACTOR TO PROVIDE)

CONTROLLER
24"Wx8"Dx30"H

PUMP
22"Wx22"Dx26"H

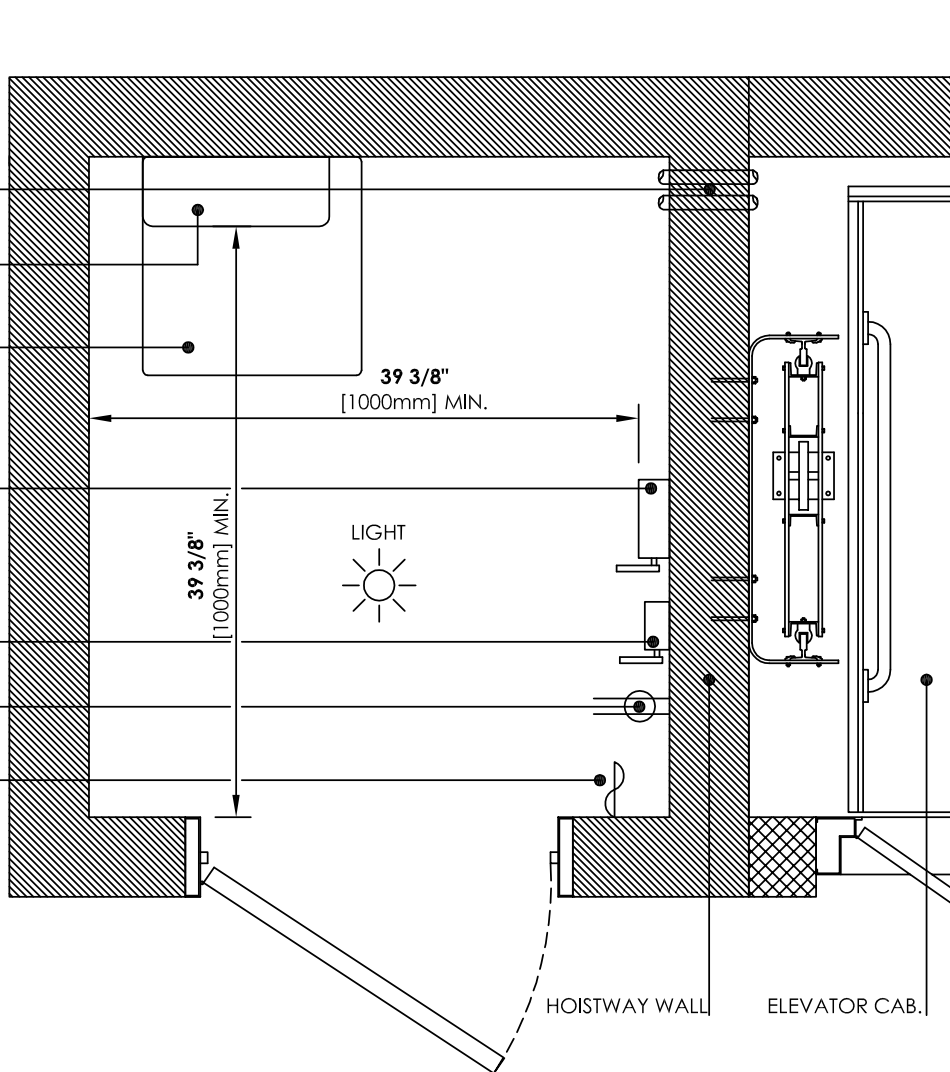
FUSABLE DISCONNECT C/W
AUXILIARY CONTACT

15AMP DISCONNECT FUSE
120V, 1PH, 60HZ

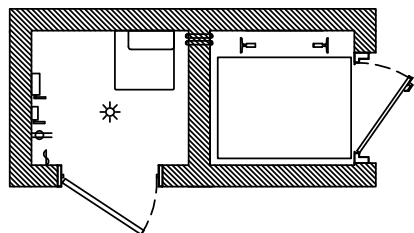
GFCI DUPLEX RECEPTACLE

LIGHT SWITCH

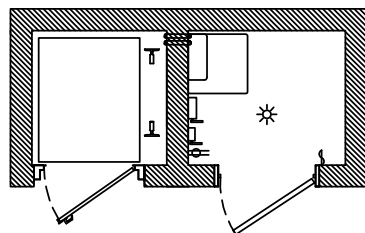
MINIMUM MACHINE ROOM
HEIGHT 6'7" (2000mm)



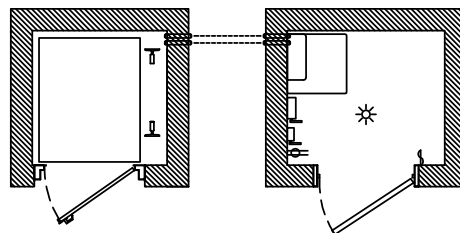
TYPE 2



TYPE 3



REMOTE

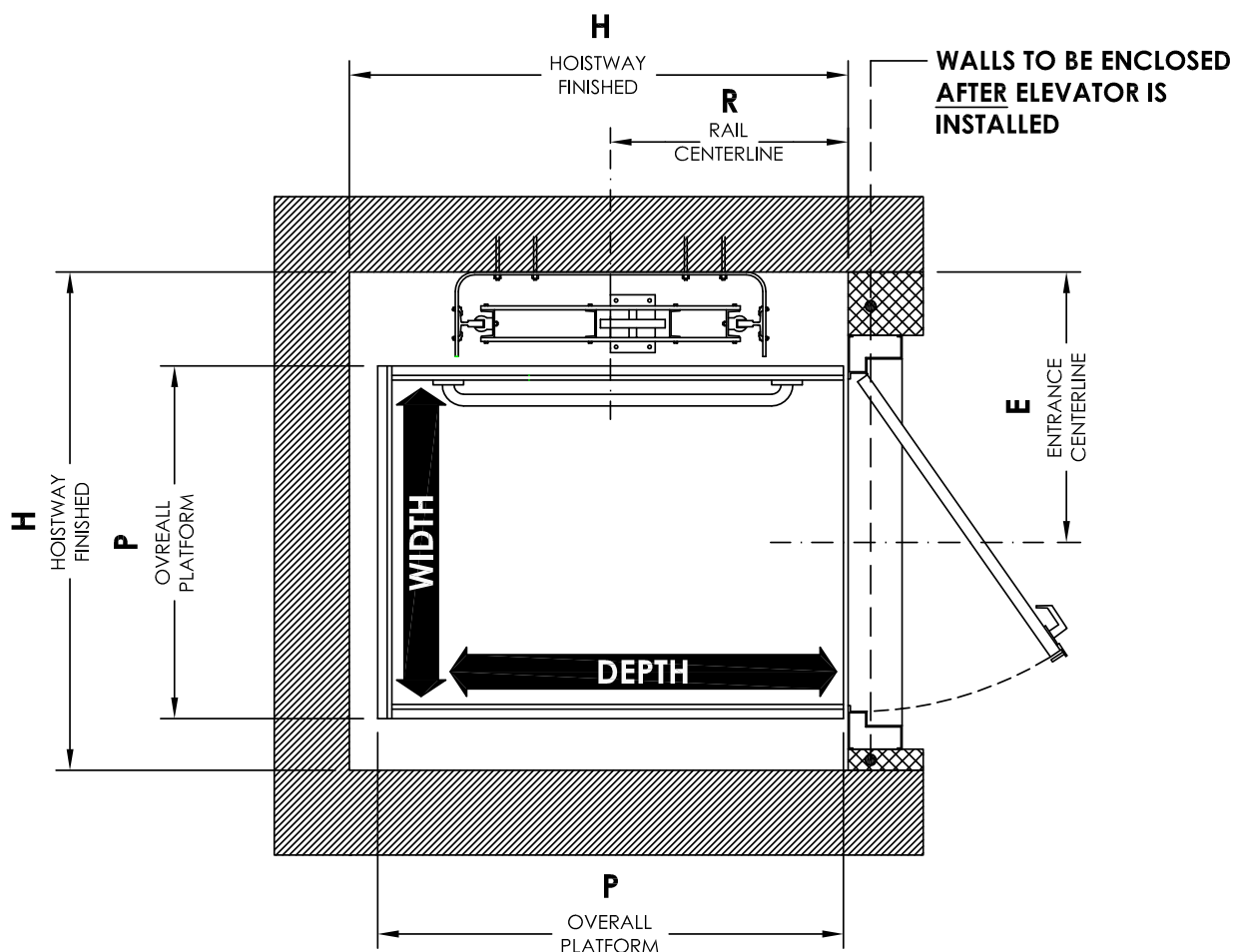


NOTES:

- 1 MINIMUM MACHINE ROOM HEIGHT 6'7" (2000mm)
- 2 1M (1000mm) CLEARANCE IN FRONT OF LINE PANEL IS REQUIRED
- 3 MACHINE ROOM ENCLOSURE OPTION AVAILABLE. SPEAK TO A REPRESENTATIVE FOR MORE INFORMATION.



TYPE A – RIGHT



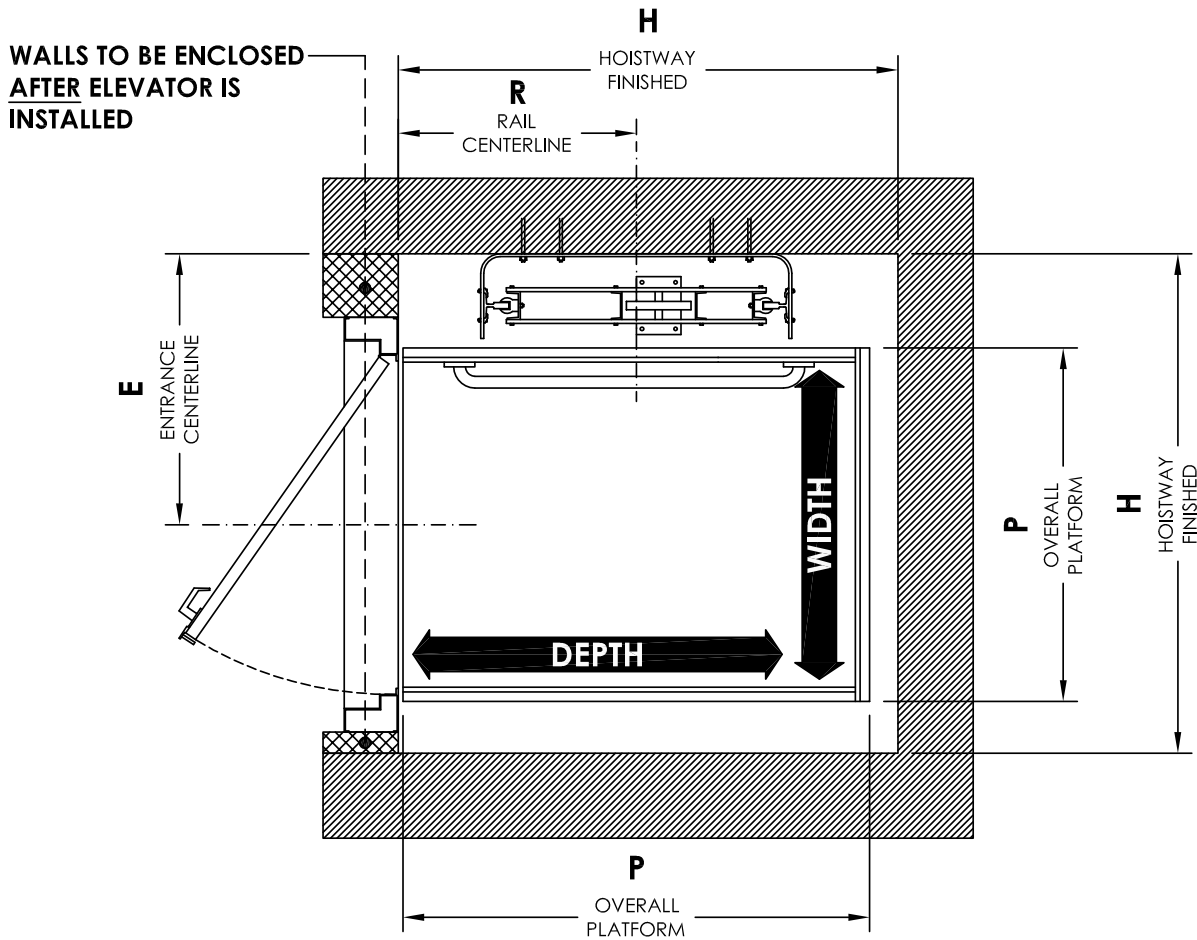
CAB SIZE (WIDTH x DEPTH)	36"x48" (915x1220)	36"x54" (915x1375)	36"x60" (915x1525)	42"x60" (1065x1525)	48"x60" (1220x1525)
HOISTWAY FINISHED (H)	53"x53" (1345x1345)	53"x60" (1345x1525)	53"x66" (1345x1675)	57"x66" (1450x1675)	63"x66" (1600x1675)
OVERALL PLATFORM (P)	37 1/2"x49 1/2" (950x1255)	37 1/2"x55 1/2" (950x1410)	37 1/2"x61 1/2" (950x1560)	42 1/2"x61 1/2" (1080x1560)	48 1/2"x61 1/2" (1230x1560)
ENTRANCE CENTERLINE (E)	28 3/4" (730)	28 3/4" (730)	28 3/4" (730)	33 3/4" * (855)	39 3/4" * (1010)
RAIL CENTERLINE (R)	25 1/4" (640)	28 1/4" (720)	31 1/4" (795)	31 1/4" (795)	31 1/4" (795)

NOTES:

- FEDERAL ELEVATOR DOES NOT ACCEPT RESPONSIBILITY FOR THESE DIMENSIONS AS THEY WILL VARY DEPENDING ON HOW PLUMB AND STRAIGHT THE HOISTWAY HAS BEEN CONSTRUCTED.
- BARRICADES SHALL BE PROVIDED OUTSIDE EVERY OPENING TO HOISTWAY WHILE ELEVATOR IS BEING INSTALLED. BARRICADES SHALL BE ERECTED, MAINTAINED AND REMOVED BY OTHERS WHEN INSTALLATION WORK IS COMPLETE. THIS IS FOR SAFETY OF OTHER TRADES AND BUILDING OCCUPANTS.
- WALLS TO BE ENCLOSED **AFTER** ELEVATOR IS INSTALLED.
- * ENTRANCE CENTERLINE DIMENSION IS FOR LEFT HAND SWING DOOR
RIGHT HAND SWING = 28 3/4" (730mm)



TYPE A – LEFT



CAB SIZE (WIDTH x DEPTH)	36"x48" (915x1220)	36"x54" (915x1375)	36"x60" (915x1525)	42"x60" (1065x1525)	48"x60" (1220x1525)
HOISTWAY FINISHED (H)	53"x53" (1345x1345)	53"x60" (1345x1525)	53"x66" (1345x1675)	57"x66" (1450x1675)	63"x66" (1600x1675)
OVERALL PLATFORM (P)	37 1/2"x49 1/2" (950x1255)	37 1/2"x55 1/2" (950x1410)	37 1/2"x61 1/2" (950x1560)	42 1/2"x61 1/2" (1080x1560)	48 1/2"x61 1/2" (1230x1560)
ENTRANCE CENTERLINE (E)	28 3/4" (730)	28 3/4" (730)	28 3/4" (730)	33 3/4" * (855)	39 3/4" * (1010)
RAIL CENTERLINE (R)	25 1/4" (640)	28 1/4" (720)	31 1/4" (795)	31 1/4" (795)	31 1/4" (795)

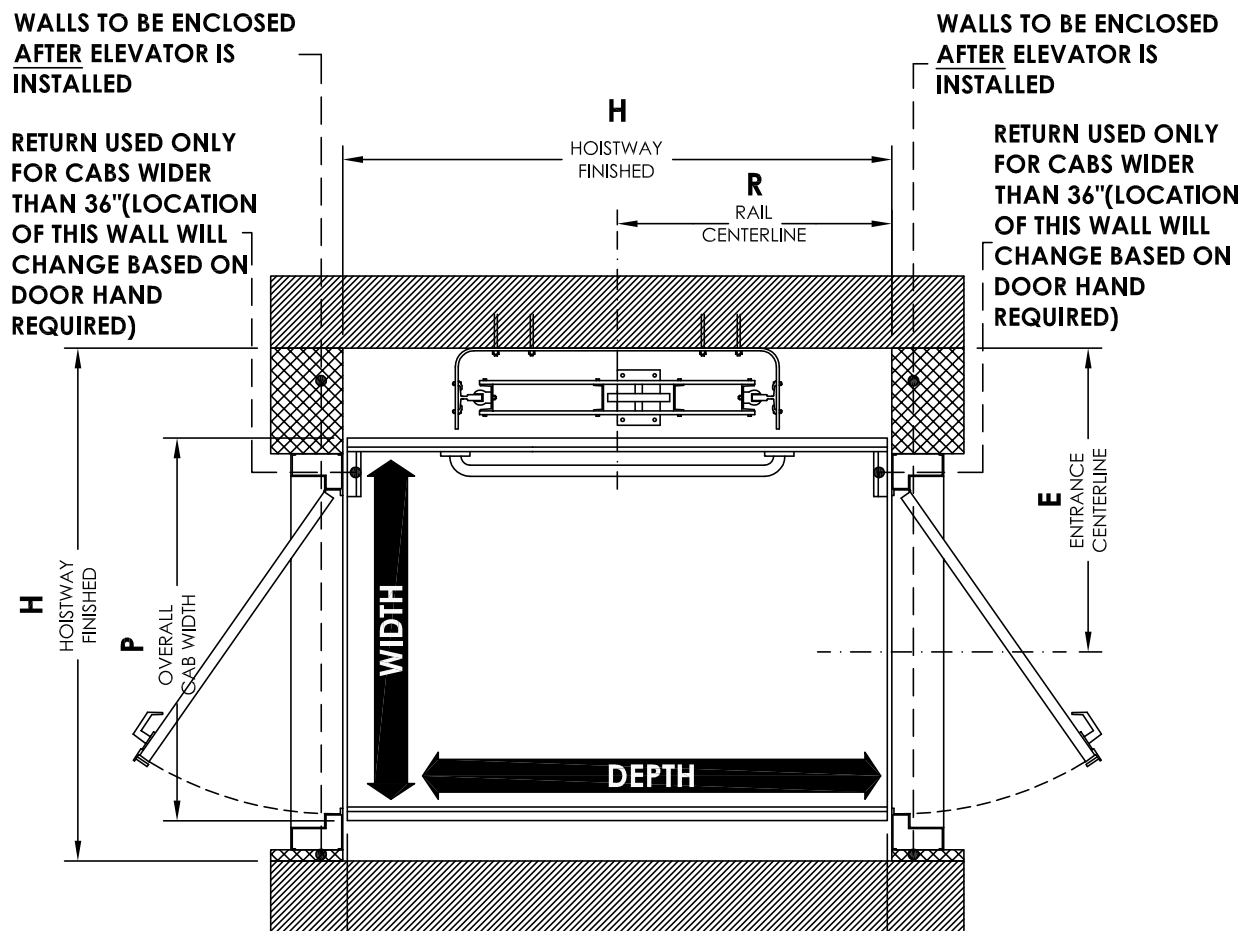
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- WALLS TO BE ENCLOSED **AFTER** ELEVATOR IS INSTALLED.

* ENTRANCE CENTERLINE DIMENSION IS FOR RIGHT HAND SWING DOOR
LEFT HAND SWING = 28 3/4" (730mm)



TYPE B



CAB SIZE (WIDTH x DEPTH)	36"x48" (915x1220)	36"x54" (915x1375)	36"x60" (915x1525)	42"x60" (1065x1525)	48"x60" (1220x1525)
HOISTWAY FINISHED (H)	53"x49" (1345x1245)	53"x55" (1345x1400)	53"x61" (1345x1550)	57"x61" (1450x1550)	63"x61" (1600x1550)
OVERALL PLATFORM (P)	37 1/2"x48" (950x1220)	37 1/2"x54" (950x1370)	37 1/2"x60" (950x1525)	42 1/2"x60" (1080x1525)	48 1/2"x60" (1230x1525)
ENTRANCE CENTERLINE (E)	28 3/4" (730)	28 3/4" (730)	28 3/4" (730)	33 3/4" ** (855)	39 3/4" ** (1010)
RAIL CENTERLINE (R)	24 1/2" (620)	27 1/2" (700)	30 1/2" (775)	30 1/2" (775)	30 1/2" (775)

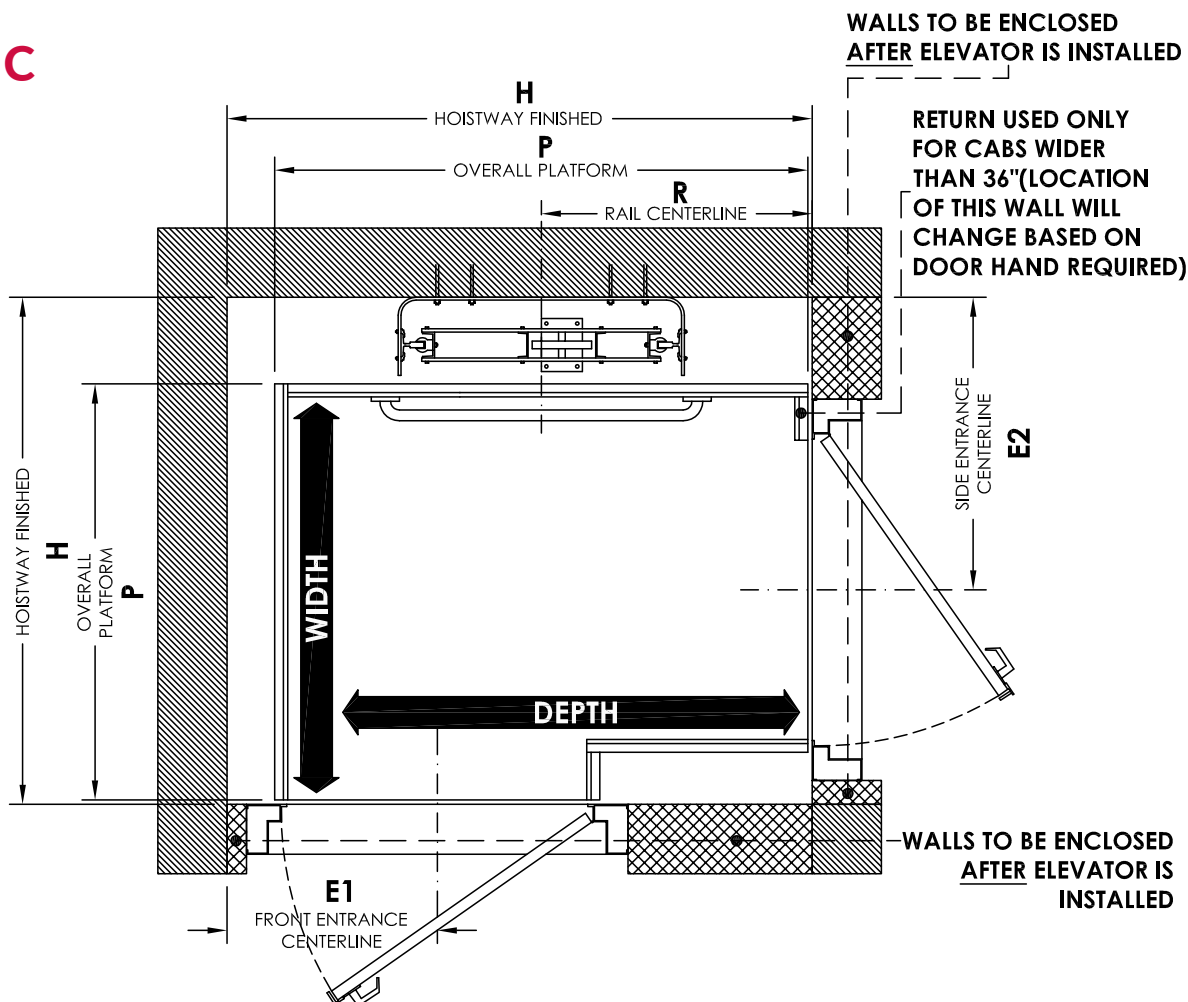
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- WALLS TO BE ENCLOSED **AFTER** ELEVATOR IS INSTALLED.

* ENTRANCE CENTERLINE DIMENSION IS FOR SWING DOOR SHOWN
OPPOSITE SWING = 28 3/4" (730mm)



TYPE C



CAB SIZE (WIDTH x DEPTH)	36"x48" (915x1220)	36"x54" (915x1375)	36"x60" (915x1525)	42"x60" (1065x1525)	48"x60" (1220x1525)
HOISTWAY FINISHED (H)	53 1/2"x55 1/2" (1360x1410)	53 1/2"x61 1/2" (1360x1560)	53 1/2"x67 1/2" (1360x1715)	58 1/2"x67 1/2" (1485x1715)	64 1/2"x67 1/2" (1640x1715)
OVERALL PLATFORM (P)	43"x49 1/2" (1090x1255)	43"x55 1/2" (1090x1410)	43"x61 1/2" (1090x1560)	48"x61 1/2" (1220x1560)	54"x61 1/2" (1370x1560)
ENTRANCE CENTERLINE (E)	E1: 24 1/4" (615) E2: 28 3/4" (730)	E1: 24 1/4" (615) E2: 28 3/4" (730)	E1: 24 1/4" (615) E2: 28 3/4" (730)	E1: 24 1/4" (615) E2: 33 3/4" (855)*	E1: 24 1/4" (615) E2: 39 3/4" (1010)*
RAIL CENTERLINE (R)	25 1/4" (640)	28 1/4" (720)	31 1/4" (795)	31 1/4" (795)	31 1/4" (795)

NOTES:

- FEDERAL ELEVATOR DOES NOT ACCEPT RESPONSIBILITY FOR THESE DIMENSIONS AS THEY WILL VARY DEPENDING ON HOW PLUMB AND STRAIGHT THE HOISTWAY HAS BEEN CONSTRUCTED.
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- WALLS TO BE ENCLOSED **AFTER** ELEVATOR IS INSTALLED.

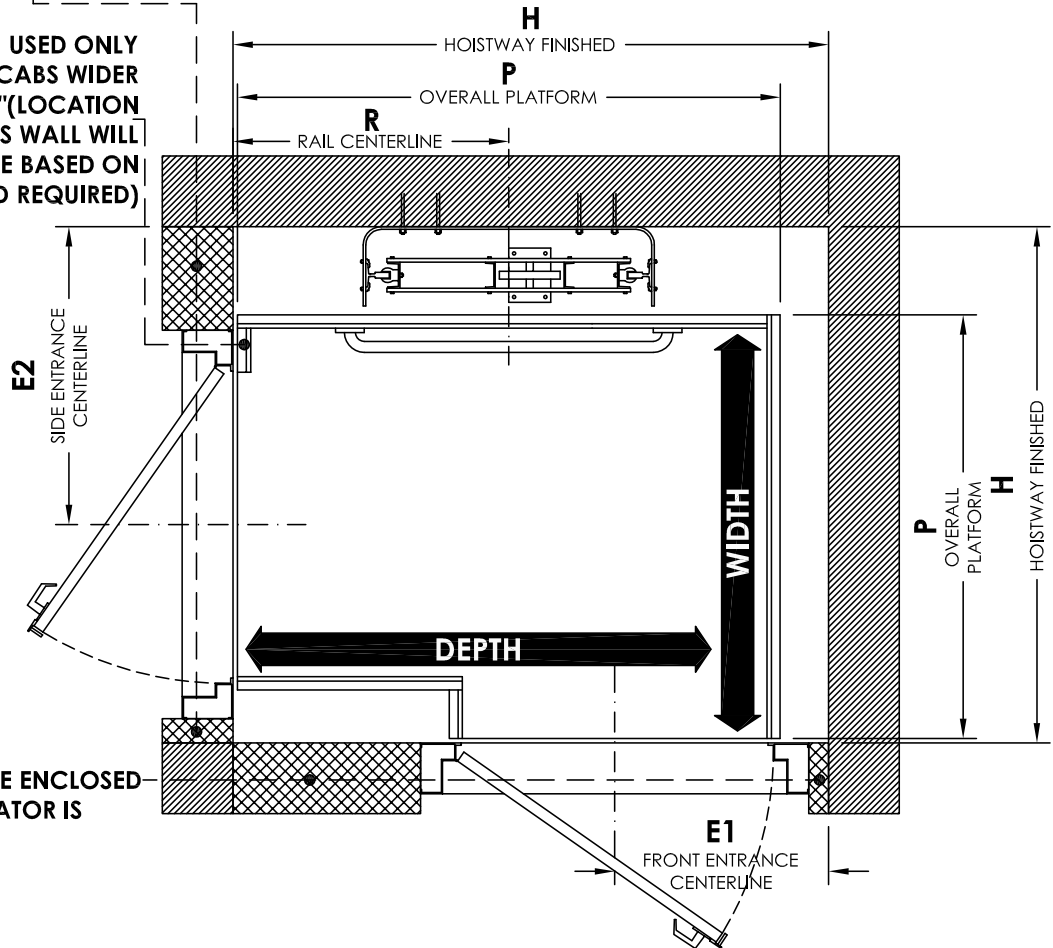
* ENTRANCE CENTERLINE DIMENSION IS FOR RIGHT HAND SWING DOOR
LEFT HAND SWING = 28 3/4" (730mm)



TYPE D

WALLS TO BE ENCLOSED
AFTER ELEVATOR IS INSTALLED

RETURN USED ONLY
FOR CABS WIDER
THAN 36" (LOCATION
OF THIS WALL WILL
CHANGE BASED ON
DOOR HAND REQUIRED)



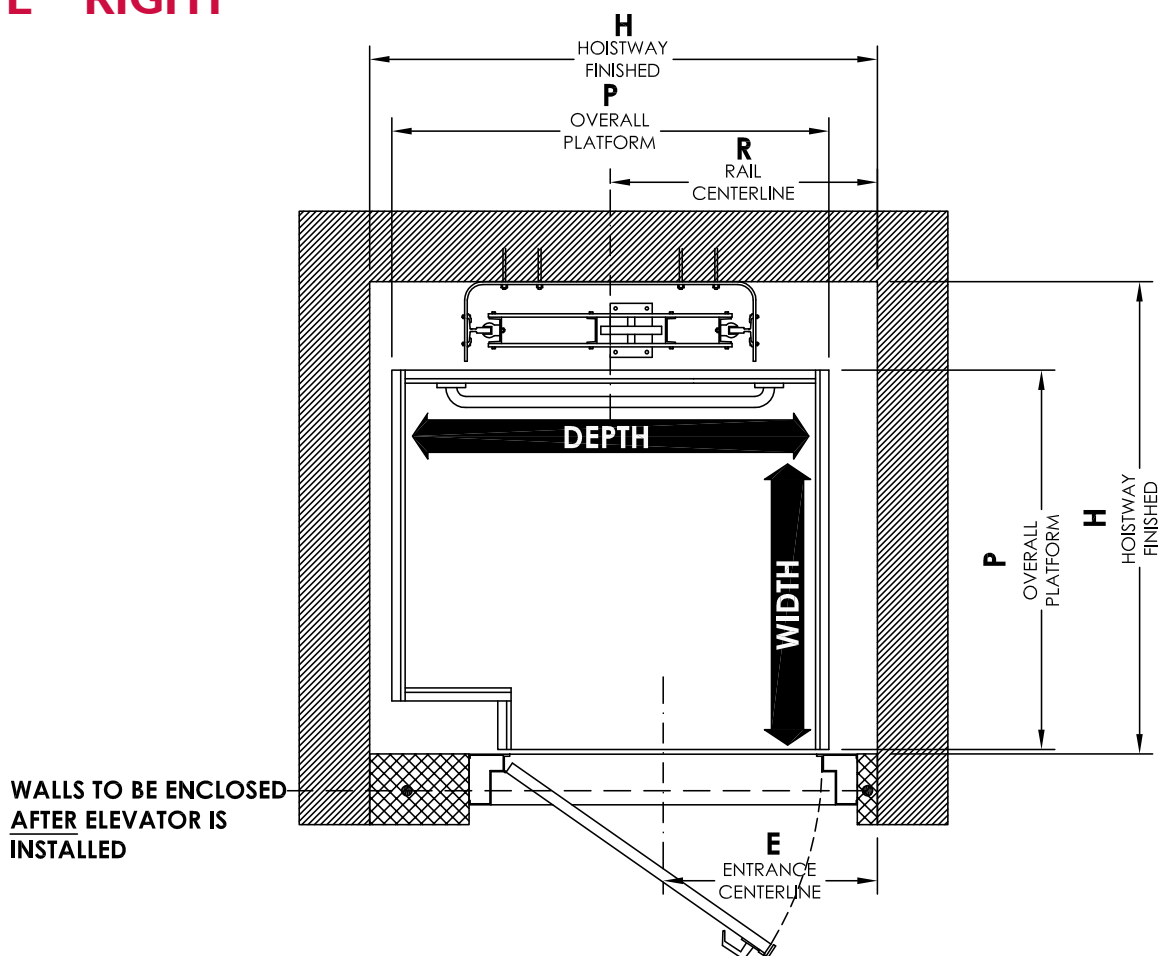
CAB SIZE (WIDTH x DEPTH)	36"x48" (915x1220)	36"x54" (915x1375)	36"x60" (915x1525)	42"x60" (1065x1525)	48"x60" (1220x1525)
HOISTWAY FINISHED (H)	53 1/2"x55 1/2" (1360x1410)	53 1/2"x61 1/2" (1360x1560)	53 1/2"x67 1/2" (1360x1715)	58 1/2"x67 1/2" (1485x1715)	64 1/2"x67 1/2" (1640x1715)
OVERALL PLATFORM (P)	43"x49 1/2" (1090x1255)	43"x55 1/2" (1090x1410)	43"x61 1/2" (1090x1560)	48"x61 1/2" (1220x1560)	54"x61 1/2" (1370x1560)
ENTRANCE CENTERLINE (E)	E1: 24 1/4" (615) E2: 28 3/4" (730)	E1: 24 1/4" (615) E2: 28 3/4" (730)	E1: 24 1/4" (615) E2: 28 3/4" (730)	E1: 24 1/4" (615) E2: 33 3/4" (855)*	E1: 24 1/4" (615) E2: 39 3/4" (1010)*
RAIL CENTERLINE (R)	25 1/4" (640)	28 1/4" (720)	31 1/4" (795)	31 1/4" (795)	31 1/4" (795)

NOTES:

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- WALLS TO BE ENCLOSED **AFTER** ELEVATOR IS INSTALLED.
- * ENTRANCE CENTERLINE DIMENSION IS FOR RIGHT HAND SWING DOOR
LEFT HAND SWING = 28 3/4" (730mm)



TYPE E – RIGHT



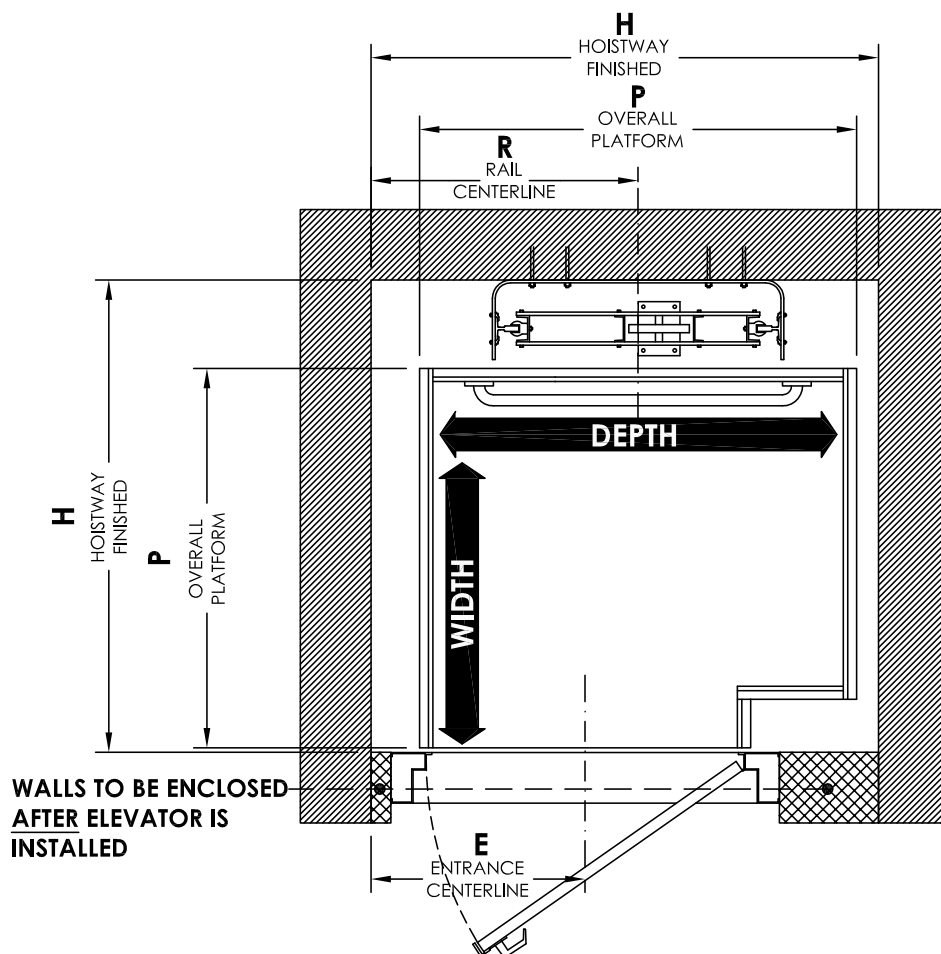
CAB SIZE (DEPTH X WIDTH)	36"x48" (915x1220)	36"x54" (915x1375)	36"x60" (915x1525)	42"x60" (1065x1525)	48"x60" (1220x1525)
HOISTWAY FINISHED (H)	57 1/2"x53 1/2" (1460x1360)	63 1/2"x53 1/2" (1615x1360)	69 1/2"x53 1/2" (1795x1360)	69 1/2"x58 1/2" (1765x1485)	69 1/2"x64 1/2" (1765x1640)
OVERALL PLATFORM (P)	49 1/2"x43" (1255x1090)	55 1/2"x43" (1410x1090)	61 1/2"x43" (1560x1090)	61 1/2"x48" (1560x1220)	61 1/2"x54" (1560x1370)
ENTRANCE CENTERLINE (E)	24 1/4" (615)	24 1/4" (615)	24 1/4" (615)	24 1/4" (615)	24 1/4" (615)
RAIL CENTERLINE (R)	30 1/4" (770)	33 1/4" (845)	36 1/4" (920)	36 1/4" (920)	36 1/4" (920)

NOTES:

- FEDERAL ELEVATOR DOES NOT ACCEPT RESPONSIBILITY FOR THESE DIMENSIONS AS THEY WILL VARY DEPENDING ON HOW PLUMB AND STRAIGHT THE HOISTWAY HAS BEEN CONSTRUCTED.
- BARRICADES SHALL BE PROVIDED OUTSIDE EVERY OPENING TO HOISTWAY WHILE ELEVATOR IS BEING INSTALLED. BARRICADES SHALL BE ERECTED, MAINTAINED AND REMOVED BY OTHERS WHEN INSTALLATION WORK IS COMPLETE. THIS IS FOR SAFETY OF OTHER TRADES AND BUILDING OCCUPANTS.
- WALLS TO BE ENCLOSED **AFTER** ELEVATOR IS INSTALLED.



TYPE E – LEFT



CAB SIZE (DEPTH x WIDTH)	36"x48" (915x1220)	36"x54" (915x1375)	36"x60" (915x1525)	42"x60" (1065x1525)	48"x60" (1220x1525)
HOISTWAY FINISHED (H)	57 1/2"x53 1/2" (1460x1360)	63 1/2"x53 1/2" (1615x1360)	69 1/2"x53 1/2" (1795x1360)	69 1/2"x58 1/2" (1765x1485)	69 1/2"x64 1/2" (1765x1640)
OVERALL PLATFORM (P)	49 1/2"x43" (1255x1090)	55 1/2"x43" (1410x1090)	61 1/2"x43" (1560x1090)	61 1/2"x48" (1560x1220)	61 1/2"x54" (1560x1370)
ENTRANCE CENTERLINE (E)	24 1/4" (615)	24 1/4" (615)	24 1/4" (615)	24 1/4" (615)	24 1/4" (615)
RAIL CENTERLINE (R)	30 1/4" (770)	33 1/4" (845)	36 1/4" (920)	36 1/4" (920)	36 1/4" (920)

NOTES:

- FEDERAL ELEVATOR DOES NOT ACCEPT RESPONSIBILITY FOR THESE DIMENSIONS AS THEY WILL VARY DEPENDING ON HOW PLUMB AND STRAIGHT THE HOISTWAY HAS BEEN CONSTRUCTED.
- BARRICADES SHALL BE PROVIDED OUTSIDE EVERY OPENING TO HOISTWAY WHILE ELEVATOR IS BEING INSTALLED. BARRICADES SHALL BE ERECTED, MAINTAINED AND REMOVED BY OTHERS WHEN INSTALLATION WORK IS COMPLETE. THIS IS FOR SAFETY OF OTHER TRADES AND BUILDING OCCUPANTS.
- WALLS TO BE ENCLOSED **AFTER** ELEVATOR IS INSTALLED.



DESIGN | ENGINEER | MANUFACTURE | INSTALL



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