

108" [2743mm] OVERHEAD MIN. TO BOTTOM OF LIFTING BEAM

SEE DOOR DWG

LANDING 2

LANDING 1

TOTAL TRAVEL

SEE DOOR DWG

LIFTING BEAM MIN SWL 4000lb

CUSTOM RAIL

36" [914mm] TYP

30" [762mm] TYP

96" [2438mm] RAIL

10" [254mm] PIT

OVERSPEED GOVERNOR TO SAFETY BRAKE ON SLING

TOTAL SHAFT HEIGHT

Technical drawing of a lift system showing side and front elevations with dimensions in inches and millimeters.

Side Elevation Dimensions:

- 67 3/8" [1711mm] FINISHED RUNWAY LENGTH
- 54 3/4" [1391mm] OVERALL CAB LENGTH
- 54" [1372mm] CLEAR CAB DEPTH
- 34 1/2" [876mm] DBG
- 33" [838mm]
- 1 1/4" [32mm] RUNNING CLEARANCE
- 18 3/8" [467mm] LIFTING BEAM MIN SWL 4000lb
- 6 3/4" [171mm]
- 10 1/4" [260mm] DBG
- 14" [356mm]
- 37 3/8" [949mm]
- 65" [1651mm] FINISHED RUNWAY WIDTH
- 36" [914mm] CLEAR INSIDE CAB
- 40 5/8" [1032mm] OVERALL CAB WIDTH
- UPPER & LOWER LANDING
- 1 1/4" [32mm] RUNNING CLEARANCE
- 2" [50mm]
- 41 7/8" [1064mm]
- ENTRANCE
- INTERMEDIATE LANDING
- 35 1/2" [902mm] CLEAR INSIDE ENTRANCE
- 42" [1067mm] OVERALL SIZE ENTRANCE
- 44" [1117mm] ROUGH OPENING

Front Elevation Dimensions:

- 34mm
- 61mm
- R1
- R2

***GENERAL**
HOISTWAY- THE HOISTWAY MUST BE IN ACCORDANCE WITH "SAFETY CODE FOR ELEVATORS AND ESCALATORS" (ASME A17.1) AND ALL STATE AND LOCAL CODES.
PUMPHOISTWAY- DUE TO CLOSE RUNNING CLEARANCES OWNER/AGENT MUST ENSURE THAT HOISTWAY AND PIT (WHERE PROVIDED) ARE LEVEL, PLUMB AND SQUARE AND ARE IN ACCORDANCE WITH THE DIMENSIONS ON THESE DRAWINGS.
MINIMUM OVERHEAD CLEARANCE- OWNER/AGENT MUST ENSURE MINIMUM OVERHEAD CLEARANCE IS IN COMPLIANCE WITH CODES.
CONSTRUCTION SITE- OWNER/AGENT TO PROVIDE ALL MASONRY, CARPENTRY AND DRYWALL WORK AS REQUIRED AND SHALL PATCH AND MAKE GOOD (INCLUDING FINISH PAINTING) ALL AREAS WHERE WALLS/FLOORS MAY REQUIRE TO BE CUT, DRILLED OR ALTERED IN ANY WAY TO PERMIT THE PROPER INSTALLATION OF THE LIFT.
DIMENSIONS
CONTRACTOR/CUSTOMER TO VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO OUR OFFICE IMMEDIATELY.

***STRUCTURAL**
FLOOR/SUPPORT WALL LOADS- STRUCTURE TO ANCHOR A CRANK SHAFT AND SAFETY HARNES, WHERE APPLICABLE/NEEDED, TO BE PROVIDED BY CONTRACTOR. CONTRACTOR TO ASSURE THAT BUILDING AND SHAFT WILL SAFELY SUPPORT ALL LOADS IMPOSED BY THE LIFT EQUIPMENT. REFER TO THE TABLES ON THIS DRAWING FOR LOADS IMPOSED BY THE EQUIPMENT.

***MACHINE ROOM (WHERE REQUIRED)**
LOCATION / ACCESS- MACHINE ROOM LOCATED AT THE LOWEST LEVEL ADJACENT TO HOISTWAY, UNLESS SHOWN OTHERWISE ON THE LAYOUT DRAWINGS. FIELD ADJUSTMENT BY INSTALLER MAY BE NECESSARY TO MEET JOB SITE CONDITIONS OR REGULATIONS. MACHINE ROOM DOOR IS TO BE LOCKABLE AND IS TO MEET THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
SLEEVES FOR ELECTRIC LINES- FROM MACHINE ROOM TO HOISTWAY AS REQUIRED (POSITION PER INSTALLERS INSTRUCTIONS).

***ELECTRICAL**
POWER SUPPLY: (SEE SPECIFICATIONS) LOCKABLE FUSED DISCONNECT WITH AUXILIARY CONTACT TO BRAKE THE BATTERY FEED, OR CIRCUIT BREAKERS WITH A 3-POLE BREAKER FOR BATTERY FEED REQUIRED, IN COMPLIANCE WITH ELECTRICAL CODE, AS FOLLOWS:
 (LOCATED ON WALL ON LOCK JAMB SIDE OF MACHINE ROOM DOOR)
PERMANENT POWER: BEFORE INSTALLATION CAN BEGIN, PERMANENT POWER MUST BE SUPPLIED.
LIGHTING: THE ILLUMINATION SHALL BE NOT LESS THAN 200 LX (15 FC) AT THE FLOOR LEVEL IN ALL MACHINE ROOMS AND MACHINERY SPACES. ENSURE AT LEAST 100 LX (10 FC) AMBIENT LIGHTING OVER LIFT AREA.
PHONE: NEED A DEDICATED PHONE LAND LINE



FASCIA PANEL BELOW UPPER LEVEL ENTRANCE- WHERE REQUIRED, FASCIA PANEL MUST BE FASTENED TO A SOLID WALL AND BE PERPENDICULAR TO THE FLOOR AND WALLS. HOISTWAY FASCIA IS NOT SELF-SUPPORTING FOR LONG, CONTINUOUS RUNS VOID OF ENTRANCES. ADEQUATE SUPPORT FOR THE FASCIA MUST BE PROVIDED.

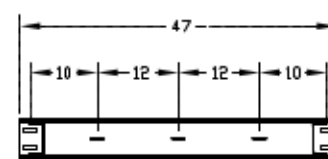
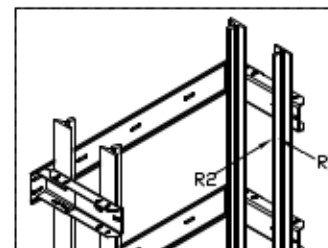
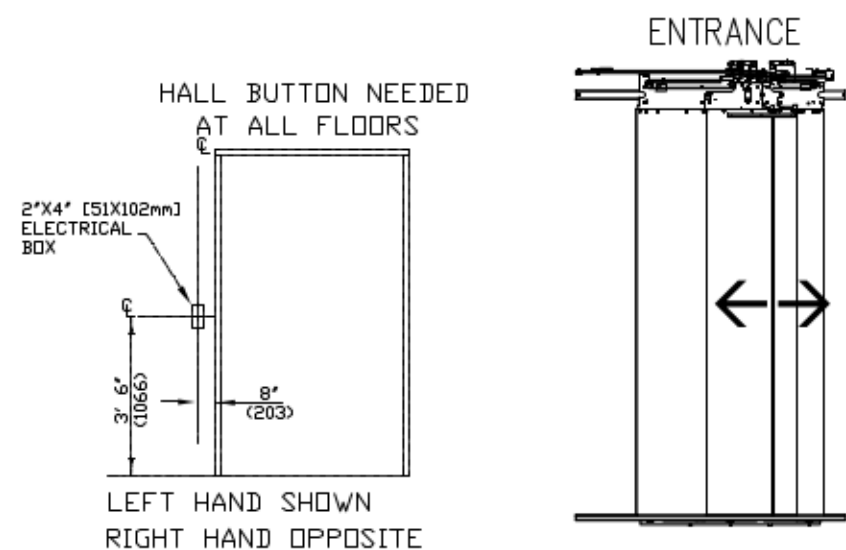
A 400LB MIN SWL BEAM MUST BE PROVIDED IN THE OVERHEAD. BEAM TO BE POSITIONED AS SHOWN IN ELEVATION & PLAN VIEWS. FOR OVERHEAD OF 108" POSITION THE UNDERSIDE OF BEAM AT 104" & BEAM MUST BE TEMPORARY.

ALL INFORMATION IS SUBJECT TO CHANGE.
PLEASE REFERENCE OUR ON-LINE DRAWINGS AT
[WWW.SAVORIA.COM](http://www.savoria.com) FOR THE MOST RECENT UPDATES


PIT RE-ACTION FORCE	
R3	8000 LBS
R4	3000 LBS
R5	9500 LBS

RESIDENTIAL ELEVATOR
ZENITH MODEL 36X54 TYPE 4

SUBFORMER:	DATE:	THE INFORMATION DISCLOSED HEREON IS THE EXCLUSIVE PROPERTY OF  AND MAY NOT BE LOANED OR COPIED WITHOUT PRIOR WRITTEN CONSENT	 SHEET# 1/1
PROJECT:	ISSUE DATE:		
LOCATION:	COMPILED BY:		



RAIL BRACKETS

	
*R1	*R2
500 lbf	1570 lbf
RAIL WEIGHT	80 lbs / ft

FOR TOTAL PULL-OUT FORCE ON RAIL BRACKET,
 $99.2 \times 720 = 1440 \text{ lbf}$
 FOR LOCAL APPLICATION OF PJT LOAD,
 RL MUST BE DOUBLED.