



TABLE 1
RAIL FORCES

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

FOR TOTAL PULL-OUT FORCE ON RAIL BRACKET, eg. 2 x 720 = 1440 lbf
FOR LOCAL APPLICATION OF PIT LOAD, R1 MUST BE DOUBLED.

TABLE 2
LOADS ON PIT

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

NOTE: A. HOISTWAY DOOR BUCK CONTROLLER (DBC) SHOWN FOR REFERENCE WHERE DBG IS NOT USED A DEDICATED MACHINE ROOM MUST BE PROVIDED BY OTHERS.
NOTE: B. SMOKE DETECTORS ARE REQUIRED, WIRING FROM A NORMALLY CLOSED CONTACT AT BOTH THE DESIGNATED RETURN LANDING, SMOKE DETECTORS AND ALTERNATE RETURN LANDING SMOKE DETECTOR SHALL BE PROVIDED TO THE CONTROLLER. A NORMALLY CLOSED CONTACT REPRESENTING ALL OTHER SMOKE DETECTORS MUST BE PROVIDED TO THE CONTROLLER.
NOTE: C. ALL INFORMATION IS SUBJECT TO CHANGE. PLEASE REFERENCE OUR ON-LINE DRAWINGS AT WWW.SAVARIA.COM FOR THE MOST RECENT UPDATES.

TABLE 3

DISCONNECT SIZE	THE DELAY	VOLTS	PHASE	FLA
MOTOR & EQUIP	30 AMPS	208 volt	Three Phase	28.9 AMPS
MOTOR & EQUIP	160 AMPS	240 volt	Single Phase	35.0 AMPS
CAB LIGHTS	15 AMPS	115 V	Single Phase	

NOTE: 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 (19 FC) AT THE FLOOR LEVEL IN ALL MACHINE ROOMS AND MACHINERY SPACES. ENSURE AT LEAST 100 LX (9 FC) AMBIENT LIGHTING OVER LIFT AREA.
*PHONE- NEED A DEDICATED PHONE LAND LINE (NOT VOIP) FOR THE PHONE, WHERE APPLICABLE. FOR VOIP PLEASE CONTACT SAVARIA.
*ENTRANCES- 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.
*ENTRANCE ASSEMBLIES- ENTRANCE ASSEMBLIES MUST BE ADJUSTED TO ALIGN WITH PLATFORM AND INTERLOCK EQUIPMENT. OTHERS TO ALLOW AN ADEQUATE ROUGH OPENING.
*RETURN WALLS- RETURN WALLS AT ENTRANCES MUST BE BUILT-IN BY OTHERS AFTER ENTRANCE ASSEMBLIES ARE IN PLACE. ENTRANCE ASSEMBLY MUST BE SECURELY FASTENED TO WALLS BY ELEVATOR CONTRACTOR.
NOTE: DIMENSIONS SHOWN ON DRAWING ARE FOR REFERENCE ONLY. MAXIMUM SPACE BETWEEN RAIL BRACKETS NOT TO EXCEED 48".
NOTE 1: REFER TO MANUAL BEFORE ADJUSTING THIS SETTING.
NOTE: REFUSE SPACE PROVIDED BY PIT PROP 1067 mm (42 1/4 IN) ACCORDANCE WITH CLAUSE 5.21.4.2.
NOTE: LIFTING BEAM- A 4000LB 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.

TABLE 4

PIT / OVERHEAD REQUIREMENTS	MIN OVERHEAD
MAX SPEED	14' MIN
PIT TRAVEL	134' (3404)
NEW BLDG EXISTING BLDG	108' (2743)

NOTE: ADDITIONAL PIT EQUIPMENT REQUIRED WHEN OVER 36" DEEP, consult your local dealer for details.
WARNING: FORCES ONLY APPLICABLE FOR SEISMIC ZONES 0 AND 1. FOR SEISMIC ZONES OTHER THAN 0 OR 1 PLEASE CONSULT WITH MANUFACTURER FOR REGIONAL SPECIFIC REQUIREMENTS.

PROVISIONS BY OTHERS
GENERAL
HOISTWAY - THE HOISTWAY MUST BE IN ACCORDANCE WITH SAFETY CODE FOR ELEVATORS AND ESCALATORS (ASME A17.1) AND ALL STATE AND LOCAL CODES.
RUBB HOISTWAY- DUE TO CLOSE RUNNING CLEARANCES OPERAGENT 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- OPERAGENT MUST ENSURE MINIMUM OVERHEAD CLEARANCE IS IN COMPLIANCE WITH CODES.
CONSTRUCTION- OPERAGENT IS REQUIRED TO PROVIDE ALL MASONRY, WAREHOUSE AND UNIFORMS AS REQUIRED AND SHALL BE RESPONSIBLE FOR 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 HARNESS. WHERE APPLICABLE/REQUIRED, TO BE PROVIDED BY CONTRACTOR. CONTRACTOR TO ASSURE THAT BUILDING SHAFT WALLS SUPPORT ALL LOADS IMPROSED BY THE LIFT EQUIPMENT. REFER TO THE TABLES ON THIS DRAWING FOR LOADS IMPROSED 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.