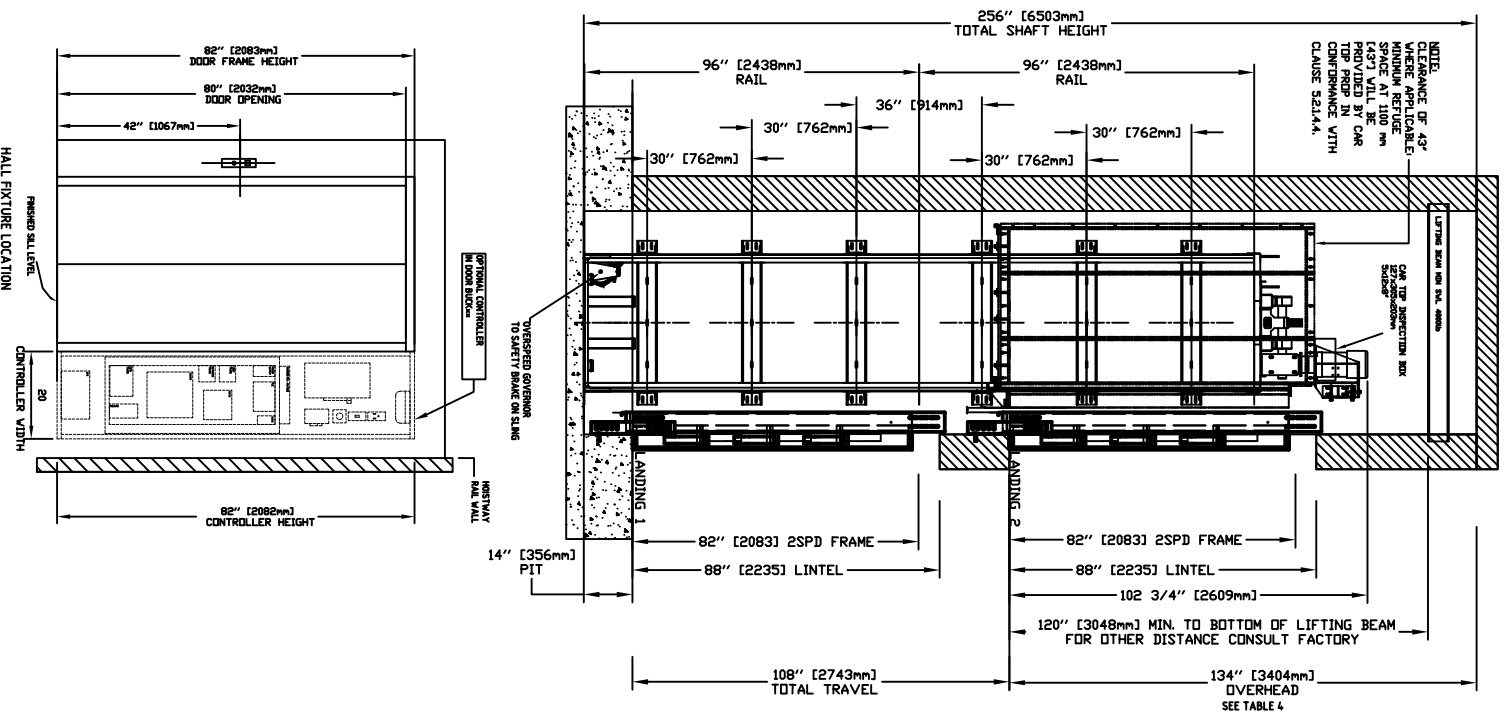


SECTIONAL VIEW - ORION MRL-5454 (1R)



PLAN VIEW - ORION MRL-5454 (1R) 2 SPEED WITUR DOORS

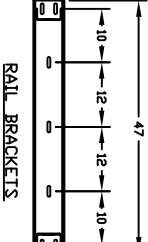
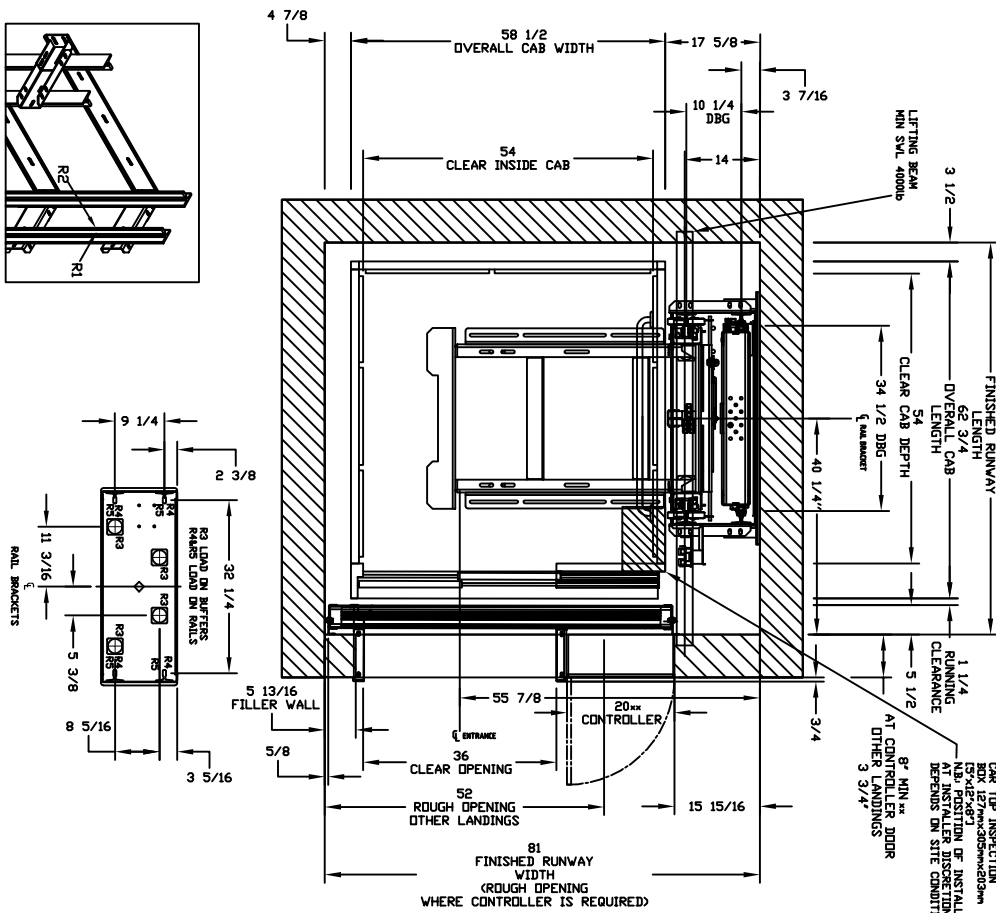


TABLE 1  
RAIL FORCES

RAIL WEIGHT	R1	R2
932 Lbf	X	X
260 Lbf		X
81lbw/ft		X

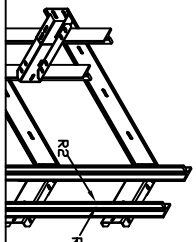
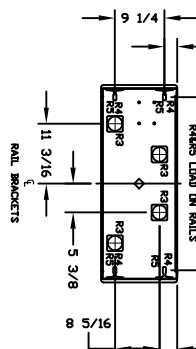


TABLE 2  
LOADS ON PIT

PIT RE-ACTION FORCE	R3	R4	R5
3000 LBS			
8000 LBS			
5500 LBS			



**NOTE A:** OPTIONAL DOOR BACK CONTROLLER (DBK) SHOWN FOR REFERENCE. WHERE DBK IS NOT USED A DEDICATED MACHINE ROOM MUST BE PROVIDED BY OTHERS.

**NOTE B:** WHERE 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 REFER TO OUR ON-LINE DRAWINGS AT WWW.SAVARIA.COM FOR THE MOST RECENT UPDATES.

PROVISIONS BY OTHERS

**GENERAL:**  
 \*THE RUNWAY MUST BE IN ACCORDANCE WITH ASME A17.1 AND LISTED FOR ELEVATORS AND ESCALATORS.  
 \*ALL STATE AND LOCAL CODES MUST BE OBSERVED.  
 \*DUE TO CLOSE RUNNING CLEARANCES OWNER/AGENT MUST ENSURE THAT RUNWAY AND PIT (WHERE PROVIDED) ARE IN COMPLIANCE WITH THE CODES.  
 \*THE PROVISIONS OF THESE DRAWINGS DEPENDS ON SITE CONDITION.  
 \*OWNER/AGENT MUST ENSURE MINIMUM CLEARANCE IS IN COMPLIANCE WITH CODES.  
 \*CONSTRUCTION SITE - OWNER/AGENT TO PROVIDE ALL MASONRY, CONCRETE AND OTHER WORK AS REQUIRED AND SHALL PATCH AND FINISH ALL WORK TO BE LEFT OPEN.  
 \*WALLS/ROOFING MAY REQUIRE TO BE CUT, DRILLED OR ALTERED IN ANY WAY TO PERMIT THE PROPER INSTALLATION OF THE LIFT.  
 \*DESIGNERS SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE LIFT.  
 \*CENTRAL TONnage/STRESS TO VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO OUR OFFICE IMMEDIATELY.  
 \*STRUCTURAL:  
 \*ELOOR/SUPPORT WALL LOADS: STRUCTURE TO ANKOR A GRAVITY SHIRT AND SAFETY HARNESSES, WHERE APPLICABLE/REQUIRED, TO BE PROVIDED BY OTHERS.  
 \*THE CONSTRUCTION OF THE WALL SHALL BE SUFFICIENT TO ASSURE PROPOSED BY THE LIFT EQUIPMENT, REFER TO THE TABLES ON THIS DRAWING FOR LOADS IMPOSED BY THE EQUIPMENT.  
 \*MACHINE ROOM (WHERE REQUIRED): MACHINE ROOM LOCATED AT THE LOWEST LEVEL, ADJACENT TO RUNWAY, UNLESS SHOWN OTHERWISE ON THE LAYOUT DRAWINGS. FIELD ADJUSTMENT BY INSTALLER MAY BE REQUIRED TO ENSURE THE MACHINE ROOM DOOR IS TO BE LOCKED AND IS TO MEET THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.  
 \*ELECTRICAL: FROM MACHINE ROOM TO HOSTWAY AS REQUIRED. (POSITION PER INSTALLER'S INSTRUCTIONS).

TABLE 3  
THE RELAY

WIRE & EQUIP.	REQ'D	THE RELAY	VOLTS	PHASE	FLA
30 AWG	30 AWG	200 VOLT	1PH/3PH	250 AMP	
60 AWG	40 AWG	250 VOLT	1PH/3PH	350 AMP	
15 AWG	15 AWG	115 V	1PH/3PH	350 AMP	

**ELECTRICAL:**  
 \*USE SPECIFIC WIRING LOCATIONS. FIELD RECONNECT WITH SUFFICIENT CONTACT TO BREAK THE BATTERY FEED. ON CIRCUIT BREAKERS WITH A 3-PHASE BREAKER FOR BATTERY FEED REQUIRED.  
 \*IN COMPLIANCE WITH ELECTRICAL CODE, AS FOLLOWS:  
 \*LOCATED ON WALL ON LOCK (MAY BE SIDE OF MACHINE ROOM DOOR).  
 \*EQUIPMENT SHOULD BE SECURED. BEFORE INSTALLATION CAN BEGIN, PERMANENT POWER MUST BE SUPPLIED.  
 \*THE WIRING SHALL BE NOT LESS THAN 30X3X1/2 IN. RIGID CONDUIT. (SEE NOTE 1).  
 \*WIRING SHALL BE UNDER LOCK AND KEYS.  
 \*ENSURE AT LEAST 10' X 10' FC AMBIENT LIGHTING OVER LEFT AREA.  
 \*WHERE APPLICABLE FOR VWP PLEASE CONTACT SAVARIA.  
 \*ENTRANCES:  
 \*FASMA PANEL BELOW UPPER LEVEL ENTRANCE - WHERE REQUIRED.  
 \*FASMA PANEL MUST BE FASTENED TO A SOLID WALL AND BE SECURED TO THE WALL.  
 \*FASMA'S NOT SELF-SUPPORTING FOR LONG CONTIGUOUS RUNS. VARIOUS TYPES OF SUPPORTS ARE AVAILABLE FOR THE FASMA'S.  
 \*ENTRANCE ASSEMBLIES MUST BE ADJUSTED TO LOCK WITH PATTERNS AND INTERLOCK EQUIPMENT. OTHERS TO RETURN WALLS. RETURN WALLS AT ENTRANCES MUST BE IN LINE WITH 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. RAIL BRACKETS NOT TO EXCEED 48".  
 \*NOTE 1: REFER TO MANUAL BEFORE ADJUSTING THIS SETTING.  
 \*NOTE 2: REUSE SPACE PROVIDED BY PIT FROM 987 MM (39") IN ACCORDANCE WITH CLAUSE S2.14.2.  
 \*NOTE 3: THE BEAM MUST BE POSITIONED IN THE OVERHEAD BEAM TO BE POSITIONED AS SHOWN IN ELEVATION & PLAN VIEWS. TOP OVERHEAD OF 100" POSITION THE UNDERSIDE OF BEAM AT 94" & BEAM MUST BE TEMPORARY.

TABLE 4  
PIT / OVERHEAD REQUIREMENTS

MAX. SPEED (ft./min)	PIT	TOTAL TRAVEL	MIN OVERHEAD	EXISTING BUILD
30	16'	34'	14'	14'

**NOTE:** Additional pit equipment required when over 30' deep (consult your field dealer for details).

**WARNING:** APPLY CABLE FOR SERVICE ZONES A AND 1 FOR SERVICE ZONES OTHER THAN 0 OR 1. PLEASE CONSULT WITH MANUFACTURER FOR REGIONAL SPECIFIC REQUIREMENTS.



ORION MRL MODEL 5454(1R)