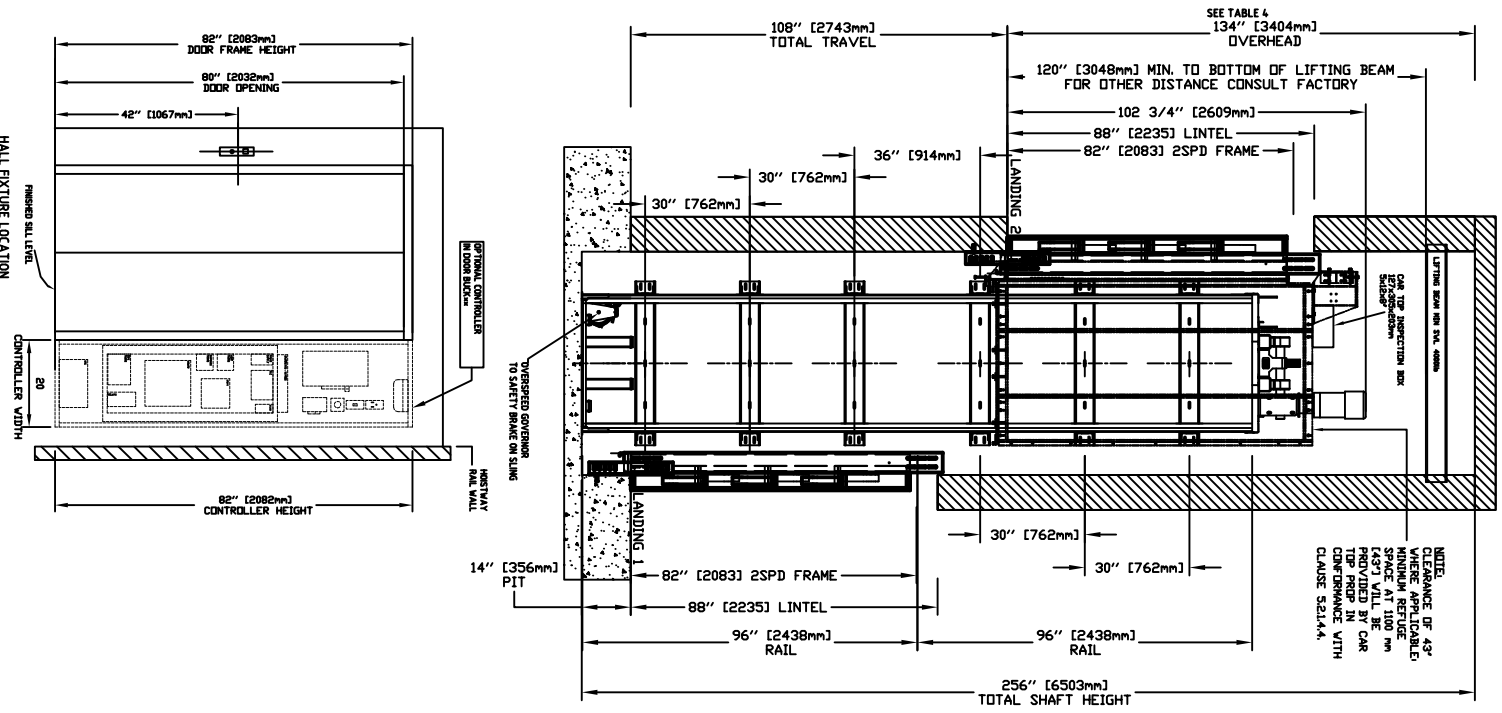
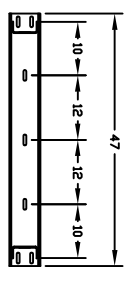
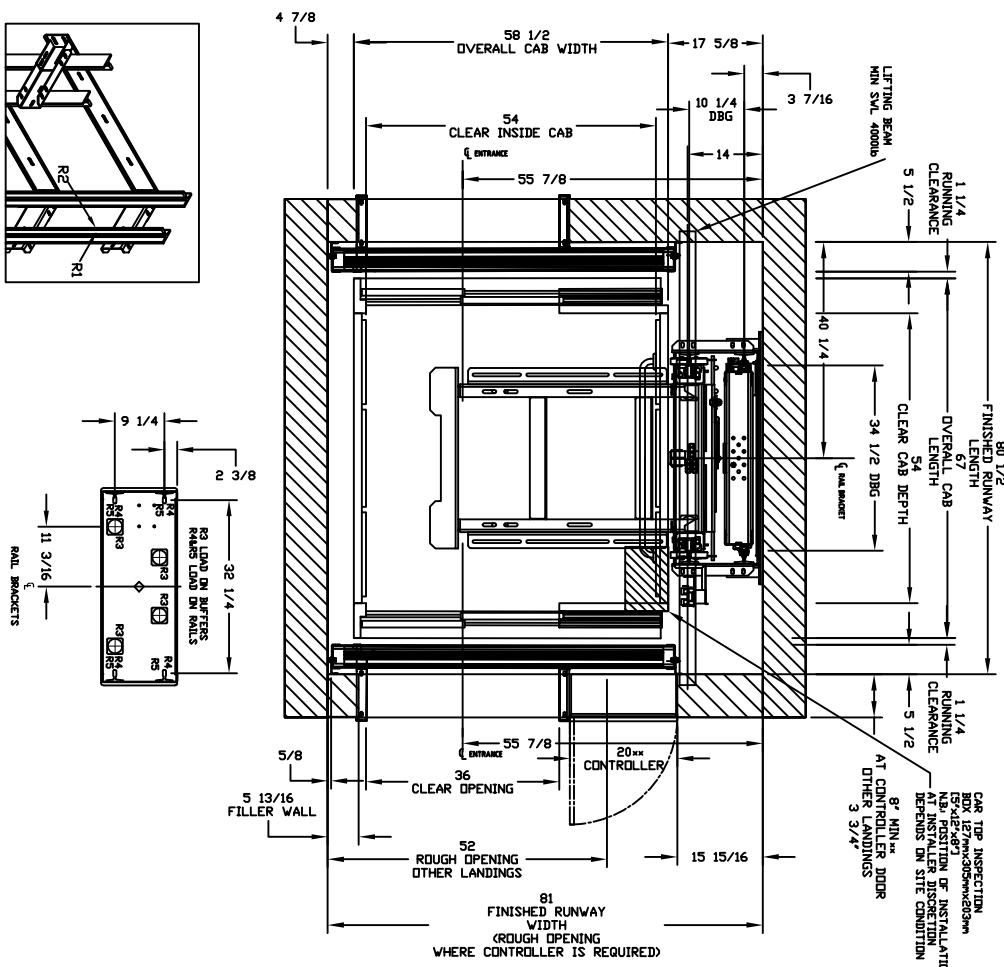


SECTIONAL VIEW - ORION MRL-5454 (2)



PLAN VIEW - ORION MRL-5454 (2) 2 SPEED WITTUR DOORS



**TABLE 1
RAIL FORCES**

RAIL WEIGHT	R1	R2
932 Lbf	X	260 Lbf
843 Lbf	X	260 Lbf

**TABLE 2
LOADS ON PIT**

PIT REACTION FORCE	R3	R4	R5
3000 LBS			
3000 LBS			
390 LBS			

NOTE:
OPTIONAL DOOR BACK CONTROLLER (DOB) SHOWN FOR REFERENCE. WHERE DOB 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.

FOR TOTAL RAIL-DUTY FORCE ON RAIL BRACKET:
R1, R2, R3 & R4 = 260 Lbf (SEE TABLE 1)
R5 = 260 Lbf (SEE TABLE 1)
SEE PIT DIMENSIONS/OTHER SHEETS.

PROVISIONS BY OTHERS

GENERAL: THE WORKMAN MUST BE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL CODES AND REGULATIONS (ASNE A71.8 AND ASCE 2012) FOR ELEVATOR AND ESCALATION.

OWNER RESPONSIBILITY: DUE TO CLOSE RUNNING CLEARANCES OWNER/AGENT MUST ENSURE THAT HOISTWAY AND PIT (WHERE PROVIDED) ARE KEPT CLEAR OF ALL OBSTACLES IN ACCORDANCE WITH THE REQUIREMENTS OF THESE DRAWINGS.

MACHINE ROOM CLEARANCE: OWNER/AGENT MUST ENSURE MINIMUM OVERHEAD CLEARANCE IS IN COMPLIANCE WITH CODES.

CONSTRUCTION SITE: OWNER/AGENT TO PROVIDE ALL MANSUARY, CONCRETE AND WALLWORK AS REQUIRED AND SHALL PATCH AND FINISH ALL SURFACES TO BE CUT, DRILLED OR ALTERED IN ANY WAY TO PERMIT THE PROPER INSTALLATION OF THE LIFT.

DESIGNERS: CONTRACTOR/OWNER TO VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO OUR OFFICE IMMEDIATELY.

*** STRUCTURAL:**

FLOOR/SUPPORT WALL LOADS: STRUCTURE TO ANCHOR A CRANK SHANK AND SAFETY HANGERS, WHERE APPLICABLE/NEEDED, TO BE PROVIDED BY CONTRACTOR. CONTRACTOR TO ASSURE THAT ALL HOISTWAY AND PIT WALL SAFETY STRUCTURE TO BE PROVIDED 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. ADJUSTMENT TO HOISTWAY, UNLESS SHOWN OTHERWISE ON THE LAYOUT DRAWINGS, FIELD ADJUSTMENT BY INSTALLER MAY BE REQUIRED TO PROVIDE CLEARANCE FOR CONSOLE AND SLING TO MEET THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. SEE TABLE 3 FOR ELECTRICAL LINES - FROM MACHINE ROOM TO HOISTWAY AS REQUIRED. POSITION PER INSTALLER INSTRUCTIONS!

**TABLE 3
THE RELAY**

WIRE & SIZE	REQD. SIZE	WIRE TYPE	PHASE	FLA
60 AWG 15 AWG	30 AWG	20 AWG	2PHASE	26.9 AMPS
60 AWG 15 AWG	30 AWG	20 AWG	2PHASE	33.0 AMPS
60 AWG 15 AWG	30 AWG	20 AWG	2PHASE	33.0 AMPS

-ELECTRICAL: USE SPECIFIC TERMINAL LOCAL FUSED RESISTANCE CONTACT TO BREAK THE BATTERY FEED OR CIRCUIT BREAKERS WITH A 3-POLE BREAKER FOR BATTERY FEED REQUIRED. IN COMPLIANCE WITH ELECTRICAL CODE, AS FOLLOWS:
1. LOCATED ON WALL ON LOCK JAMB SIDE OF MACHINE ROOM DOOR.
2. ELECTRICAL BOXES - BEFORE INSTALLATION CAN BEIGIN, PERMANENT POWER MUST BE SUPPLIED.
3. THE CABLE FROM SHALL BE NOT LESS THAN 3/4" X 1/2" PVC CABLE WITH 1/2" BORE. THE WIRE SHALL BE CABLE AND IS TO MEET THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. NEED A DEDICATED PHONE LAMP LINE (NOT VAP) FOR THE PHONE. WHERE APPLICABLE FOR VAP PLEASE CONTACT SAVARIA.

*** ENTRANCES:** WHERE REQUIRED.

FASDA PANEL BELOW UPPER LEVEL ENTRANCE: FASDA PANEL MUST BE FASTENED TO A SOLID WALL AND BE SECURELY FASTENED TO THE WALL. FASDA IS NOT SELF-SUPPORTING FOR LONG CONTINUED RUNS VAND OF ENTRANCES. ADEQUATE SUPPORT FOR THE FASDA MUST BE PROVIDED. ENTRANCE ASSEMBLIES MUST BE ADJUSTED TO LINE WITH PLANTATION AND INTERLOCK EQUIPMENT. OTHERS TO RETURN WALLS. RETURN WALLS AT ENTRANCES MUST BE BUILT IN ASSEMBLY 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 MUST TO EXCEED 48" REFER TO MANUAL BEFORE ADJUSTING THIS SETTINGS

NOTE: REFER TO MANUAL BEFORE ADJUSTING THIS SETTINGS

NOTE: REUSE SPACE PROVIDED BY PIT FROM 96" MIN. IN 2" IN ACCORDANCE WITH CLAUSE 5.1.1.4.2.

NOTE: THE BEAM CLEARANCE MUST BE PROVIDED IN THE OVERHEAD BEAM TO BE POSITIONED AS SHOWN IN ELEVATION & PLAN VIEWS. FOR OVERHEAD OF 100" POSITION THE UNDERSIDE OF BEAM AT 96" & BEAM MUST BE TEMPORARY.

**TABLE 4
PIT / OVERHEAD REQUIREMENTS**

MAX. SPEED (ft./min)	PIT	TOTAL	MIN OVERHEAD	EXISTING BUILD
30			16' (5044)	MIN 17' (5181)

NOTE: Additional pit equipment required when ever machine room is not provided for the shaft.

WARNING: ANY CHANGE FOR SERVICE ZONE 1 AND 2 FOR SERVICE ZONE OTHER THAN 0 OR 1 PLEASE CONSULT WITH MANUFACTURER FOR REGIONAL SPECIFIC REQUIREMENTS.