

SECTIONAL VIEW - ORION MRL-5454 (1R)

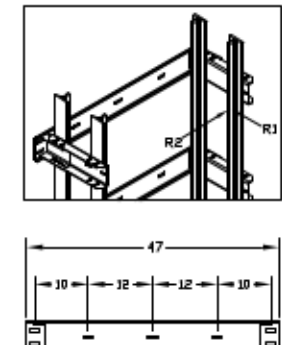
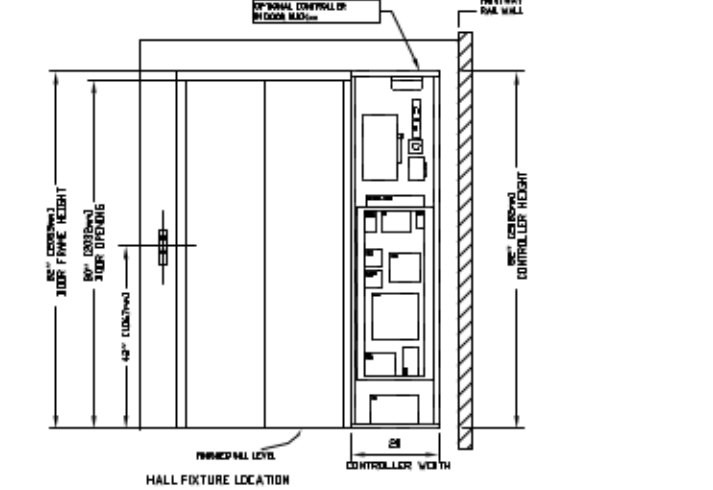
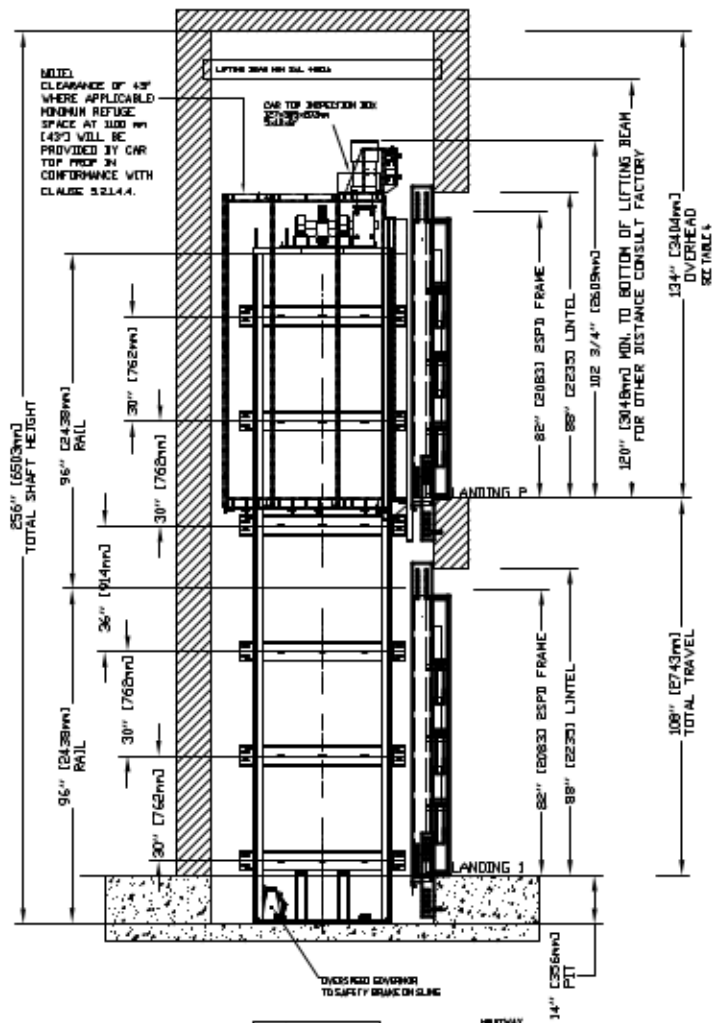


TABLE 1

RAIL FORCES	
R1	R2
932 lbf	260 lbf
RAIL WIDTH: 34 1/2"	MIN. 16" / FT

VERTICAL PULL-OUT FORCE BRACKETS, 82 1/4" (2083) MIN. DIST. FOR LOCAL APPLICATION OF PIT LOAD, MUST BE PROVIDED. SEE PIT CHANNEL BRACKET SKETCH.

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.

SHIELDING - DUE TO CLOSE RUNNING CLEARANCES OVERHEAD LIGHT MUST BE PROVIDED TO PROTECT EYES AND FACE. PROVIDER ARE LEVEL, FLAME-RETARDANT AND SHALL BE MAINTAINED WITH THE DIMENSIONS ON THESE DRAWINGS.

HUMAN OVERHEAD CLEARANCE - MINIMUM CLEARANCE MUST BE MAINTAINED OVERHEAD CLEARANCE IS IN CONFORMANCE WITH CODES.

CONSTRUCTION - OWNER/AGENT TO PROVIDE ALL MASONRY, CARPENTRY AND OTHER WALL WORK AS REQUIRED AND SHALL PATCH AND FINISH OVER ALL BUILDING FINISHES. ALL AREAS WHERE WALLS/FLOORS MAY BE CUT, DRILLED OR ALTERED IN ANY WAY TO PERMIT THE PROPER INSTALLATION OF THE LIFT.

DECISIONS - CONTRACTOR/CUSTOMER TO VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO OUR OFFICE IMMEDIATELY.

STRUCTURAL

FLOOR/SUPPORT WALL LOADS - STRUCTURE TO ANCHOR A CRANE RAIL AND SAFETY HARNES, WHERE APPLICABLE, 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, AS NEAR TO HOISTWAY, UNLESS SHOWN OTHERWISE ON THE LAYOUT DRAWINGS. DOOR ADJUSTMENT BY INSTALLER MAY BE NECESSARY TO FIT JOB SITE CONDITIONS OR REQUIREMENTS. MACHINE ROOM DOOR IS TO BE LOCKABLE AND IS TO MEET THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.

SLINGS FOR CABLES - FROM MACHINE ROOM TO HOISTWAY AS REQUIRED. REFER TO INSTALLATION INSTRUCTIONS.

TABLE 3

MOTOR & EQUIP.	HP	PHASE	VOLTS	FLA
MOTOR & EQUIP.	30 AMP	30 AMP	208 volt	208 AMP
MOTOR & EQUIP.	90 AMP	90 AMP	230 volt	358 AMP
CAB LIGHTS	15 AMP	15 AMP	120 V	15 AMP

ELECTRICAL

WIRING - SEE SPECIFICATIONS. LOCATEABLE FUSED DISCONNECT WITH AUXILIARY CONTACT TO MAKE THE BATTERY REEL OR CIRCUIT BREAKERS WITH A 3-POLE BREAKER FOR BATTERY FEED REQUIRED. IS IN COMPLIANCE WITH ELECTRICAL CODE, AS FOLLOWS: (LOCATED ON WALL ON LOCK, INSIDE OF MACHINE ROOM DOOR)

DISCONNECT SWITCHES - SEE INSTALLATION CAN BE USED, PERMANENT POWER MUST BE SUPPLIED.

LIGHTING - THE ILLUMINATION SHALL BE NOT LESS THAN 100 LX (10 FC) AT THE FLOOR LEVEL IN ALL MACHINE ROOMS AND HOISTWAY SPACES. ENSURE AT LEAST 100 LX (10 FC) AMBIENT LIGHTS OVER LIFT AREA.

GROUNDING - NEED A DEDICATED GROUND LINE NOT SHARED WITH OTHERS, WHERE APPLICABLE FOR VMP PLEASE CONTACT SAVARIA.

ENTRANCES

FASDA PANEL, MEDIUM VOLTAGE ENTRANCE - WHERE REQUIRED, FASDA PANEL MUST BE FASTENED TO A SOLID WALL AND BE BROADCASTER TO THE FLOOR AND WALLS. HOISTWAY SPACE. FASDA IS NOT SELF-SUPPORTING FOR LONG, CONTINUOUS RUNG VIEW OF ENTRANCES. ADEQUATE SUPPORT FOR THE FASDA MUST BE PROVIDED.

ENTRANCE ASSEMBLIES - ENTRANCE ASSEMBLIES MUST BE ADJUSTED TO ALIGN WITH PLATFORM AND BITE FOR EQUIPMENT. OTHERS TO ALLOW AN ACCESSIBLE ROOM THROUGH.

RETURN WALLS - RETURN WALLS AT ENTRANCES MUST BE BUILT-IN BY OTHERS AND/OR 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 2: REPAIR SPACE PROVIDED BY PIT PROP MUST BE 14" IN ACCORDANCE WITH CLAUSE 5.2.1.4.2.

NOTE 3: LIFTING BEAM

A HOISTWAY BEAM MUST BE PROVIDED IN THE OVERHEAD BEAM TO BE FASTENED AS SHOWN IN ELEVATION IS PLAN VIEW. FOR OVERHEAD OF 10" FASTEN THE UNDERSIDE OF BEAM AT 16" A BEAM MUST BE TEMPORARY.

TABLE 4

MAX. SPEED (ft/min)	PIT / OVERHEAD DIMENSIONS		MIN. OVERHEAD	
	PIT	TOTAL TRAVEL	NEW BLS	EXISTING BLS
30	16" MIN	134" (3404)	16" (406)	16" (406)

NOTE: Address all pit equipment through a 3" x 3" deep, 1" thick local beam for details.

WARNING: THESE DIMENSIONS ONLY APPLICABLE FOR SLING ZONES 0 AND 1. FOR SLING ZONES OTHER THAN 0 AND 1 PLEASE CONSULT WITH MANUFACTURER FOR ADDITIONAL SPECIFIC REQUIREMENTS.

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