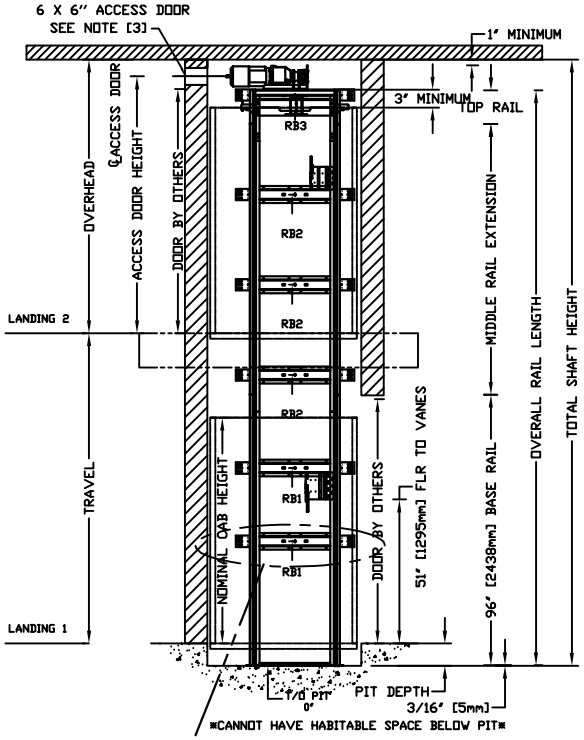
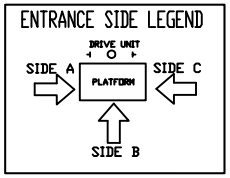
SECTIONAL VIEW –ECLIPSE Model 40X54 TYPE 3

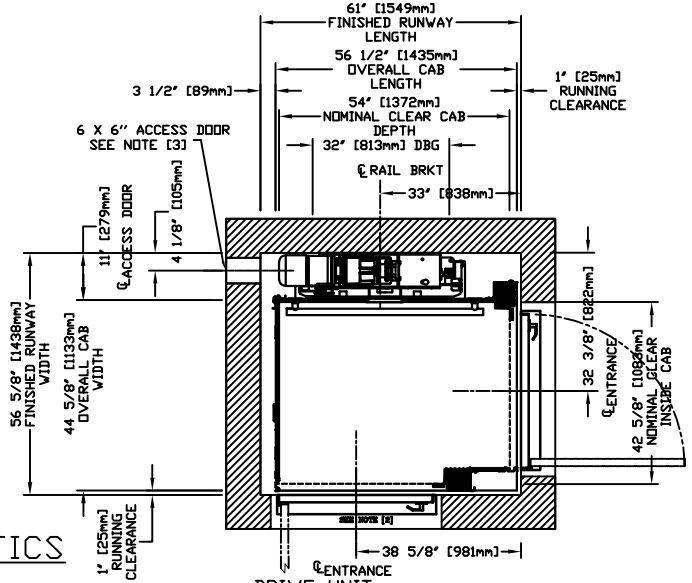


FORCES

RAIL FORCES	
*R1	*R2
138.2 kg [304 lbF]	88.2 kg [194 lbF]
RAIL ASSY WEIGHT:	24.5 kg / m [16.0 lbs / ft]
PIT FORCE: R3	
PIT FLOOR TO SUPPORT LOAD OF(INCLUDES IMPACT) 2909 kg [6400 lbs]	



PLAN VIEW – ECLIPSE Model 40X54 TYPE 3



PROVISIONS BY OTHERS

*HOISTWAY, CONSTRUCTION SITE, CLEARANCE

1- HOISTWAY CONSTRUCTION AND PIT BY OTHERS. DUE TO LIMITED SPACE WITHIN THE HOISTWAY IT IS ESSENTIAL THAT THE PIT IS LEVEL AND WALLS ARE SQUARE AND PLUMB THROUGHOUT THE HOISTWAY. THE HOISTWAY FRAMING MUST BE WITHIN 13 mm [1/2"] OF PLUMB AND SQUARE FROM TOP TO BOTTOM FOR PROPER OPERATION OF THE ELEVATOR THROUGHOUT THE HOISWAY.

2- DISTANCE BETWEEN THE HOISTWAY SIDE OF THE LANDING DOOR AND THE CAR DOOR OR GATE SHALL NOT EXCEED 4"(102 MM) USING THE CODE MEASURING TOOL. FOR ACCORDION (PANEL FOLD) GATES, YOU MUST HAVE FLUSH DOORS (NOT THE 3/4" SETBACK). 3/4" SETBACK IS POSSIBLE ONLY WHEN THE CAR DOORS ARE BIFOLD OR SLIM DOORS. RECOMMEND SOLID CORE DOOR SLAB

3- HOISTWAY MUST HAVE A MINIMUM 152 mm x 152 mm [6" X 6"] LOCKABLE ACCESS HATCH (PROVIDED BY SAVARIA CONCORD) LOCATED AT THE TOP OF THE HOISTWAY. LOCATION MUST BE IN AN AREA WHICH WILL PROVIDE ACCESS TO THE ELEVATOR DRIVE ASSEMBLY BY THE MANUAL LOWERING HANDLE. MANUAL LOWERING HANDLE WILL ENABLE USER TO OVERPOWER BRAKE AND LOWER CAR WITHOUT BODILY ENTRY TO THE SHAFTWAY.

4- THE PIT FLOOR SHALL BE CONSTRUCTED TO WITHSTAND AN IMPACT LOAD OF 2903 KG [6400 LBS]. REF. CSA B44 SECTION 2.11 (ASME/ANSI A17.1 SECTION 106.)

5- HOISTWAY TO BE FREE OF ALL PIPES, WIRING AND OBSTRUCTIONS NOT RELATED TO THE OPERATION OF THE ELEVATOR.
FOR COMPLYING WITH LOCAL CODES.

6- HOISTWAY CONSTRUCTION REQUIREMENTS MAY VARY FROM REGION TO REGION. DIMENSIONS GIVEN ARE MANUFACTURERS RECOMMENDED CLEARANCES. THEY REFLECT THE RUNNING AND ACCESS CLEARANCES. CONSULT YOUR LOCAL AUTHORITY TO ASSURE COMPLIANCE WITH PROVINCE AND LOCAL CODES.

DIMENSIONS WARNING

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

*STRUCTURAL

7- A LOAD BEARING WALL IS REQUIRED TO SUSTAIN RAIL REACTIONS AS SPECIFIED IN KEY TO RAIL REACTIONS ON DRAWING. BUILDING CONTRACTOR TO CONTACT STRUCTURAL ENGINEER TO DETERMINE IF SUPPORTING WALL WILL SUSTAIN RAIL REACTIONS.
FOR COMPLYING WITH LOCAL CODES.

8- SUITABLE LINTELS MUST BE PROVIDED BY OWNER/AGENT.
DOOR FRAMES ARE NOT DESIGNED TO SUPPORT OVERHEAD WALL LOADS.

9- ALL FULL HEIGHT DOORS MUST BE ALIGNED WITH THE DOOR CENTERLINE SHOWN ON PLAN DETAIL. RECOMMEND INSTALLING A SOLID CORE 2032 mm [6'-8"] HIGH DOOR WITH A MINIMUM CLEAR OPENING OF 813 mm [2'-8"] WIDE.

10- DOOR HANDLE AND LATCH SD LATCH SET REQUIRED FOR ALL FULL SIZE DOORS.

11- SEE INSTALLATION MANUAL FOR DETAILS ON THE INTERLOCKS. INTERLOCKS ARE REQUIRED FOR ALL FULL SIZE DOORS.

*ELECTRICAL

12- THE ELEVATOR CONTROLLER IS 620 mm [24.4"] WIDE X 584 mm [23"] HIGH X 170 mm [6.7"] DEEP. THE CONTROLLER IS PROVIDED BY SAVARIA CONCORD AND IS EITHER :
A : ATTACHED TO THE RAIL WALL INSIDE THE HOISTWAY BETWEEN THE "T" RAILS WITH ACCESS EITHER UNDER THE CAB OR THROUGH THE CAB OF THE ELEVATOR; OR
B : IN A REMOTE LOCATION EXTERNAL TO HOISTWAY, THAT NEEDS PROPER STRUCTURAL WALL TO SUPPORT THE CONTROLLER ON ALL 4 CORNERS HOLES POSITION ARE = 597 mm [23.5"] WIDE BY 546 mm [21.5"] HIGH.

13- ARRANGE FOR A POWER SUPPLY WITHIN SIGHT OR NEXT TO THE ELEVATOR CONTROLLER PRIOR TO DELIVERY OF THE UNIT(BOTH 115 VOLT AND 208/240 VOLT). THE 208/240 VOLT CIRCUIT SHALL ORIGINATE FROM A LOCKABLE 2 POLE FUSED DISCONNECT (20 AMP RK 5 RATED FUSE) LOCATED NEAR THE RESIDENCES INCOMING ELECTRICAL PANEL THE ELECTRICAL CIRCUIT PROVIDED FOR THE CONTROLLER SHALL BE, 208/240 VOLT, SINGLE PHASE, DEDICATED CIRCUIT WITH NEUTRAL AND GROUND. FUSING MUST BE SELECTIVELY COORDINATED. FUSE 208/240 VOLT FOR 20 AMP SERVICE. FUSE 115 VOLT FOR 15 AMP SERVICE FOR CAR LIGHT. A LOCKABLE AUXILIARY 240 VOLT AND 115 VOLT DISCONNECT IS REQUIRED INSIDE THE HOISTWAY OR IN SIGHT OF THE CONTROLLER. ALL ELECTRICAL TO DISCONNECTS SHALL BE PROVIDED AND INSTALLED BY OTHERS (MUST COMPLY WITH APPLICABLE CODES).

14- FIELD ELECTRICAL WIRING AND CONNECTIONS TO HALL-CALLS, PIT SWITCH AND INTERLOCKS ARE PROVIDED.

15- THE ILLUMINATION SHALL BE NOT LESS THAN 200 LX (19 FC) AT THE FLOOR LEVEL IN ALL MACHINE ROOMS AND MACHINERY SPACES. THE SWITCH FOR THE LIGHT MUST BE WITHIN 457 mm [18"] OF THE HOISTWAY ACCESS . THE LIGHT MUST BE GUARDED TO PREVENT ACCIDENTAL BREAKAGE OR CONTACT WITH THE HOT BULB. THE SWITCH, LIGHT, AND GUARD ARE PROVIDED AND INSTALLED BY OTHERS. (MUST COMPLY WITH APPICABLE CODES).

16- IF A TELEPHONE CIRCUIT IS REQUIRED (OPTION FOR ELEVATOR) JACK IS PROVIDED AND INSTALLED BY OTHERS. THIS CIRCUIT SHALL BE BROUGHT TO A LOCATION NEXT TO THE CONTROLLER AND BE AVAILABLE TO CONNECT AND TEST UPON ELEVATOR INSTALLATION.

*WHEN CONTROLLER EXTERNAL

17. LOCATION / ACCESS- "CONTROLLER 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. ACCESS TO CONTROLLER ROOM TO BE THROUGH A SELF CLOSING LOCKABLE DOOR WHERE CODE CONSIDER IT AS A MACHINE ROOM

*WHEN APPLICABLE SLEEVES FOR ELECTRIC LINES-

18. FROM CONTROLLER ROOM TO RUNWAY AS REQUIRED.
(POSITION PER INSTALLERS INSTRUCTIONS).

*CODE

19. ALTHOUGH THE ELEVATOR IS DESIGNED TO MEET CSA B44 (ANSI A17.1), LOCAL CODES MAY VARY. DEALER IS RESPONSIBLE FOR COMPLYING WITH LOCAL CODES.

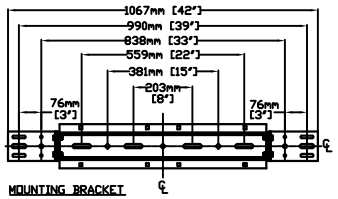
NOTE A

ALL COMPONENTS WEIGHTS CAN BE FOUND IN THE PLANNING GUIDE

NOTE B

ALL INFORMATION IS SUBJECT TO CHANGE.
PLEASE REFERENCE OUR ON-LINE DRAWINGS AT
www.savariaconcord.com FOR THE MOST RECENT UPDATES

2 MOUNTING POSITIONS
CENTER OR SIDE



MOUNTING BRACKET

4 WALL ANCHOR POINTS MIN. PER BRACKET
2 PER SIDE OF RAIL BRACKET CENTER LINE
PULL OUT FORCE PER FASTENER 69 kg [152 LBS]

FINAL RAIL BRACKET	RB3	BELOW THE MOTOR CONSULT YOUR CONCORD REPRESENTATIVE FOR EXACT LOCATION
INTERMEDIATE RAIL BRACKET	RB2	32"[813mm] INTERVALS AFTER 2nd BOTTOM BRACKET
BOTTOM RAIL BRACKET	RB1	44" [1118mm] & 71" [1804MM] ABOVE PIT FLOOR

CHARACTERISTICS

GENERAL

APPLIED CODE: _____ _____

CAPACITY: _____ _____(750, 1000 LBS)

NOMINAL SPEED: _____ ____40 FPM____

TRAVEL: _____ _____

PIT DEPTH: _____ _____(MIN. 6")

CAR DETAILS

CAB PANEL SELECTION: _____ _____(SEE CHART)

CEILING SELECTION: _____ _____(WTH,MATCH)

CAB FLOORING: _____ _____(PLYW, FINISH)

FINISHED FLOOR THICKNESS: _____(1/8 to 3/4")

CAB HEIGHT: _____(80, 96")

CAB OPERATION: _____(AUTO)

GATE TYPE: _____(VFOLD, CFOLD, PFOLD CLR, PFOLD BRZ, BLK SCZR)

DRIVE UNIT

DRIVE ASSEMBLY MFR. _____ CONCORD
MOTOR _____ 2.0 HP/1660 RPM W/Brake
GEAR MODEL _____ 42.17:1 Ratio Gear Box
MOTOR CONTROLLER _____ Preprogrammed VF Drive.

SUSPENSION

TYPE: _____ DUAL #60 ROLLER CHAIN
CONSTRUCTION: _____ ANSI B29.1
NOMINAL STRENGTH: _____ 9020 LBS PER CHAIN

ELECTRICAL

POWER SUPPLY: _____ 60 Hz/1 Phase/230 volt

POT LIGHT FINISH (4): _____ _____(SS,BRZ,BRS)

TRIM COLOUR: _____ _____(CLR,BRZ)

CAR STATION PLATE (W/PI): _____(CLR,BRZ,BRS,SS)

HAND RAIL TYPE: _____ _____(CLR,BRZ,BRS,SS)

TELEPHONE BOX: _____ _____(CLR,BRZ,BRS,SS)

GATES REQUIRED: _____ _____(AUTO, MAN)

CAB SILL: _____ _____SS____

LOCKS/CALL STATIONS/TRAVEL/DOORS(BY OTHERS)

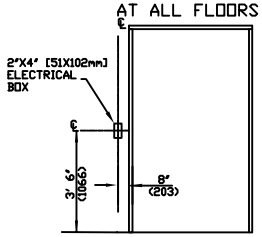
	LANDING 1	LANDING 2	LANDING 3	LANDING 4	MIN OVERHEAD=96/114"
TRAVEL	PIT:				OH:
ENTRANCE SIDE	SIDE	SIDE			HATCH: SIDE
DOOR SWING					
LOCK TYPE					SMARTLOCK (BY OTHERS) EMI, PORTA
AUTO DOOR OP.					

STANDARD OPTIONS PROVIDED

BUTTON MARKING: NUMERIC (1 to 4)
HALL CALL KEYED: NO
HALL CALL FINISH: MATCH CAR STATION
HALL CALL SHAPE: RECTANGULAR
PREWIRE PACKAGE: NO
CONTROLLER LOCATION: EXTERNAL

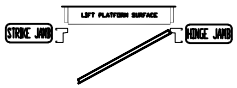
DISCONNECT (2): NO
BUFFER SPRING: NO
TEMP. RUN BUTTON: NO
EXTRA CABLE (REMOTE): 0'
WALL FASTENERS: LAG

HALL BUTTON NEEDED AT ALL FLOORS



LEFT HAND SHOWN
RIGHT HAND OPPOSITE

DOOR SWING



LEFT HAND SWING

RIGHT HAND SWING

DOCUMENT REVISION 001, DATE: 10/09/08

RESIDENTIAL ELEVATOR

ECLIPSE MODEL 40X54 TYPE 3

CUSTOMER:	DATE:	THE INFORMATION DISCLOSED HEREIN IS THE EXCLUSIVE PROPERTY OF savaria AND MAY NOT BE USED BY OTHERS WITHOUT PRIOR WRITTEN CONSENT
PROJECT:	REVISION DATE:	
LOCATION:	COMPLETED BY:	SHEET# 1/1