#### PROVISIONS BY OTHER CONTRACTORS

#### <u>IMPORTANT</u>

- -THE FOLLOWING SHOULD BE SUPPLIED BY THE OWNER OR HIS AGENT
- 1. HOISTWAY AND MACHINE ROOM IN ACCORDANCE WITH ELEVATOR, SAFETY AND BUILDING CODES.
- 2. HOISTWAY VENTING AND FIRE RATING ACCORDING TO LOCAL CODE REQUIREMENTS.
- 3. PLUMB HOISTWAY WITH VARIATIONS NOT TO EXCEED 25mm ALL LEDGES OVER 100mm TO BE BEVELLED 75° TO THE HORIZONTAL.
- 4. NECESSARY REMOVABLE BARRICADES OUTSIDE OF HOISTWAY.
- 5. NO CONDUIT, WIRING, OR PIPING OTHER THAN THAT PERTAINING TO ELEVATOR(S) IS PERMITTED IN THE HOISTWAY OR MACHINE ROOM.
- 6. MACHINE ROOM TO BE LOCATED AT THE LOWEST LANDING ADJACENT TO THE HOISTWAY, UNLESS OTHERWISE SHOWN.
- PROVIDE A SELF-CLOSING, SELF-LATCHING, FIRE RATED MACHINE ROOM DOOR MINIMUM 2030mm HIGH. MINIMUM MACHINE ROOM HEIGHT TO BE 2286mm CLEAR BELOW ALL EQUIPMENT.
- 8. HEATING AND COOLING THERMOSTATICALLY CONTROLLED TO MAINTAIN MACHINE ROOM TEMPERATURE OF 10°C TO 32°C. RELATIVE HUMIDITY CONTROLLED TO ENSURE NO CONDENSATION.
- 120 VAC LIGHT FIXTURE(S). SWITCH AND GFI CONVENIENCE OUTLET IN EACH PIT AND MACHINE OF THE DOOR. MINIMUM 2001 IS LIGHTING LEVEL IN MACHINE ROOM. SWITCH TO BE ON THE LOCK JAMB SIDE OF THE DOOR. MINIMUM 100 IX LIGHTING LEVEL IN THE PIT. PIT LIGHT TO BE SUPPLIED WITH GUARD. ALL CONDUIT IN MACHINE ROOM AND HOISTWAY TO BE EMT.
- 10. ELEVATOR FEEDERS INCLUDING LOCKABLE, FUSED DISCONNECT CIRCUIT BREAKERS WIRED TO OUR CONTROLLER
- 11. ADEQUATE SUPPORT FOR GUIDE RAIL FASTENING TO BE PROVIDED AT GUIDE RAIL BRACKET LOCATIONS. SEE DETAIL "D", "E" AND "G". INSERTS SUPPLIED BY DELTA, INSTALLATION BY CONTRACTORS. RAIL FORCE LOADS DOUBLED FOR SAFETY.
- 12. ALL BLOCKOUTS, UNDERPINNING, POCKETS, PATCHING, GROUTING AND CONCRETE WORK WHERE REQUIRED.
- 13, ENTRANCE WALLS (ROUGH OPENINGS) TO BE ERECTED AFTER ENTRANCE FRAMES HAVE BEEN INSTALLED. FINISH MASONRY AND GROUT IN SADDLES FULL LENGTH.
- ENTRANCE FRAMES ARE NOT DESIGNED TO SUPPORT OVERHEAD WALL LOADS. SUITABLE SUPPORTS FOR THESE LOADS MUST BE PROVIDED.
- 15. N/A. 16. N/A. 17. N/A
- 18. SLEEVES FOR OIL AND ELECTRIC DUCTS FROM MACHINE ROOM TO HOISTWAY AS REQUIRED.
- 19. CONTROLLER AND PUMPING UNIT PLACEMENT SUBJECT TO JOB CONDITIONS.
- 20. PIT WATERPROOFING, WHERE REQUIRED.
- 21. PIT DRAIN ALWAYS REQUIRED FOR ELEVATORS WITH FIREFIGHTER'S EMERGENCY OPERATION. SUMP PUMP EXTERNAL TO THE SHAFT, WHERE REQUIRED. SUMP HOLE TO BE OUTSIDE HOISTWAY AND 600mm DEEPER THAN PIT, WITH TRAP & BACKWATER CHECK VALVE. DESIGN TO HANDLE POSSIBLE OIL IN SUMP DISCHARGE.
- 22. PROVIDE TELEPHONE CONNECTION EXCEPT FOR THE WIRE FROM THE CONTROLLER IN THE MACHINE ROOM TO FLEVATOR.
- 23. A CHEQUE FROM THE OWNER TO COVER THE FIRST YEAR'S LICENSING FEE MUST BE SUPPLIED AT THE TIME OF INSPECTION.
- ELEVATORS WITH PHASE I EMERGENCY RECALL OPERATION BY FIRE ALARM INITIATING DEVICES REQUIRE A SMOKE DETECTOR INSTALLED IN THE ELEVATOR LOBBY AT THE DESIGNATED LEVEL, IF THAT FLOOR AREA IS NOT SPRINKLERED THROUGHOUT; AND A SMOKE DETECTOR INSTALLED IN THE MACHINE ROOM IF THE MACHINE ROOM IS SPRINKLERED. WIRING TO CENTRAL ALARM CONTROL FACILITY (CACF) BY OTHERS.
- 25. WHERE AN EMERGENCY OR STANDBY POWER SYSTEM IS PROVIDED TO OPERATE AN ELEVATOR IN THE EVENT OF NORMAL POWER SUPPLY FAILURE, THEN A "NORMALLY OPEN" DRY CONTACT IS TO BE PROVIDED FROM THE EMERGENCY POWER TRANSFER SWITCH AND WIRED TO THE ELEVATOR CONTROLLER, CAR 'A', TO CLOSE WHEN EMERGENCY OR STANDBY POWER IS IN EFFECT.

26. N/A

CAPACITY 635 kg SPEED UP/DOWN 0.13 m/sMAXIMUM 9000m **TRAVEL** MAXIMUM 7 LANDINGS **OPENINGS** FRONT/ REAR/ **OPERATION** SINGLE AUTOMATIC POWER SUPPLY 220V-1PH-60HZ|208V-3PH-60HZ MOTOR MOTOR CURRENT 15.2A 20 7A MOTOR POWER 3.7KW 3.7KW FUSING (BY OTHERS) 25A 17.5A PUMP UNIT TYPE VALVE TYPE WORKING PRESSURE JOB SPECIFIC RELIEF PRESSURE HEAT GENERATED SHAFT **RAILS** 11.9 kg/m MAX. BRACKET SPACING 1500 mm CAR EMPTY CAR MASS (EST) PLUNGER OD PLUNGER WALL PLUNGER LENGTH CYLINDER OD CYLINDER WALL CYLINDER LENGTH JOB SPECIFIC HYDRAULIC JACK MASS HOSE TYPE HYD. **BURST** PIPE SIZE ROPING WIRE HOIST ROPE ROPI BREAKING STRENGTH GOVERNOR ROPE GOVERNOR TRIP SPEED

TECHNICAL DATA

THIS ELEVATING DEVICE IS ENGINEERED AND MANUFACTURED BY DELTA ELEVATOR FOR THE ALLIED ELEVATOR GROUP OF COMPANIES



WWW.DELTA-ELEVATOR.COM

THE FOLLOWING STATEMENT TO BE SIGNED BY CONTRACTOR, ENGINEER OR ARCHITECT RESPONSIBLE FOR THE PROJECT:

SUPPORTING STRUCTURE AND BUILDING WILL SAFELY SUPPORT ALL LOADS APPLIED BY THE ELEVATING DEVICE AS INDICATED ON THIS DRAWING"

SIGNED	DAIL	
COMPANIX		
COMPANY		

1	GENERAL UPDATE	LR	March 2007
REV.No	DESCRIPTION	BY	DATE

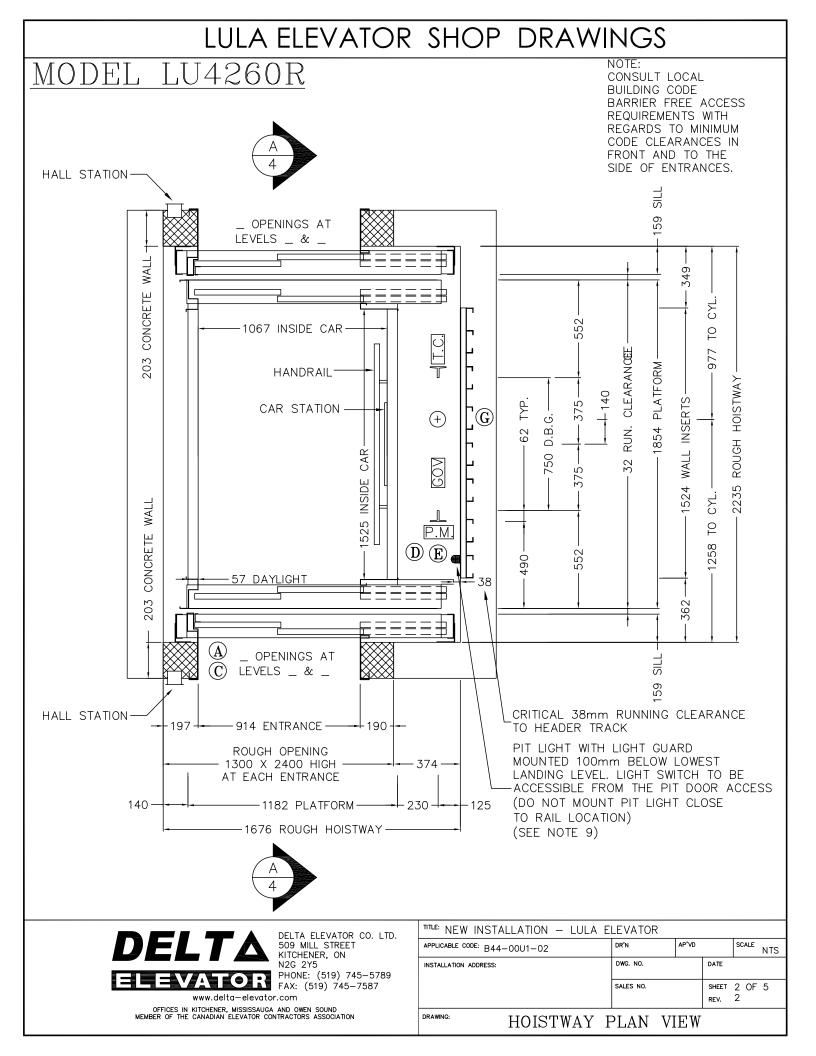
DELTA EVATOR FAX: (519) 745-7587

DELTA ELEVATOR CO. LTD. 509 MILL STREET KITCHENER, ON N2G 2Y5 PHONE: (519) 745-5789

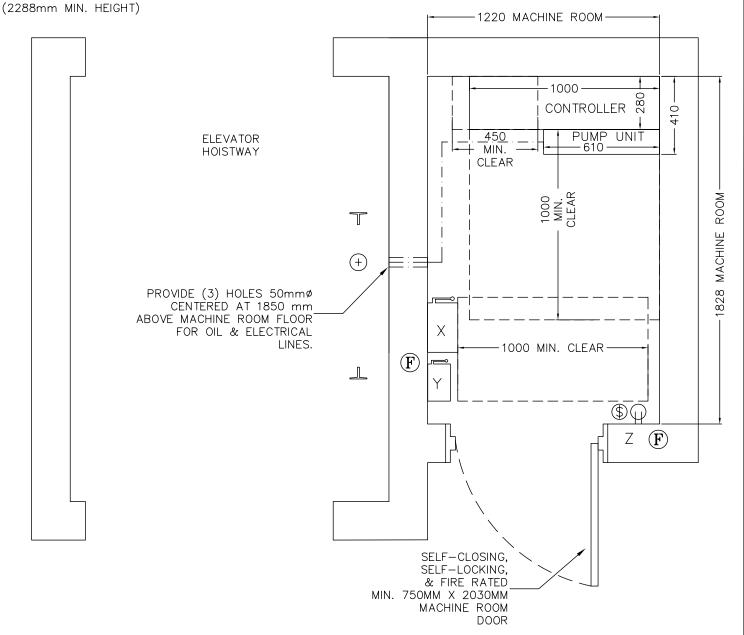
OFFICES IN KITCHENER, MISSISSAUGA AND OWEN SOUND MEMBER OF THE CANADIAN ELEVATOR CONTRACTORS ASSOCIATION

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NEW INSTALLATION — LULA ELEVATOR								
APPLICABLE CODE: B44-00U	1-02	DR'N	AP'VD		SCALE	NTS		
INSTALLATION ADDRESS:		DWG. NO.		DATE				
		SALES NO.		SHEET REV.	1 OF 2	5		
DRAWING:	TECHNIC	AL DAT	A					



PREFERRED
MACHINE ROOM SIZE.
FOR SMALLER
MACHINE ROOM SIZE OR
REMOTE LOCATIONS,
CONSULT DELTA.
LOCATION:
AT LOWEST LANDING
BESIDE HOISTWAY AT RAIL
SIDE



MACHINE ROOM LOCATED AT LEVEL "1" (2288MM MIN. HEIGHT)

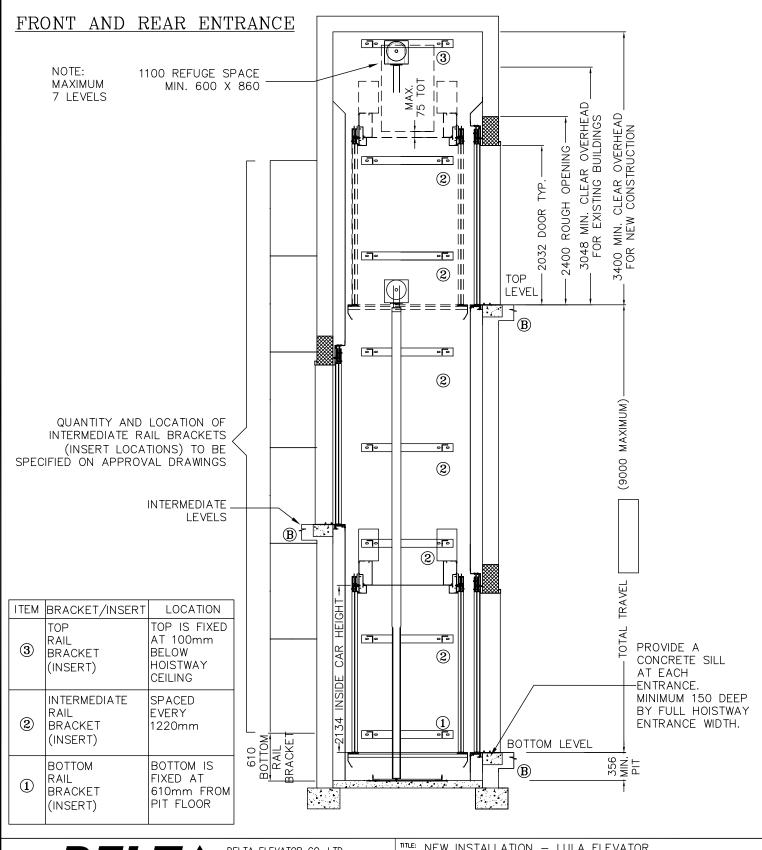


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APPLICABLE CODE: B44-00U1-02	DR'N	AP'VD		SCALE	NTS
INSTALLATION ADDRESS:	DWG. NO.	DWG. NO.			
	SALES NO.	SALES NO.		3 OF 2	5
DRAWING: MACHINE RO	OM PLAN	۷ V	IEW	,	



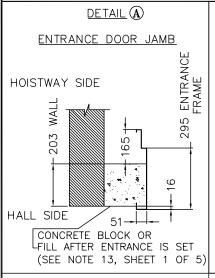
**DELTA**ELEVATOR

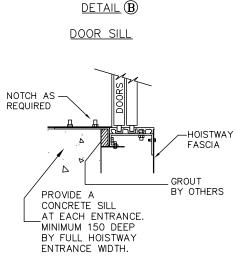
DELTA ELEVATOR CO. LTD. 509 MILL STREET KITCHENER, ON N2G 2Y5 PHONE: (519) 745–5789

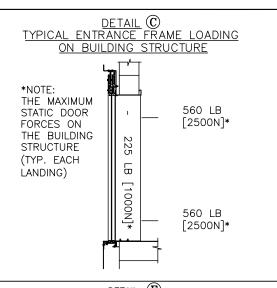
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INSTALLATION ADDRESS:	DWG. NO.		DATE		
	SALES NO.		SHEET	4 OF	5
			REV.	2	
DRAWING: ELEVATION VIEW					

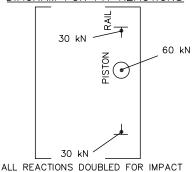






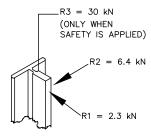
<u>DETAIL</u> (D)

### DIAGRAM FOR PIT REACTIONS



<u>DETAIL</u> **E** 

#### MAXIMUM FORCES ON GUIDE RAILS



NOTE: RAIL BRACKET SUPPORT MAX. DEFLECTION IS 3mm (SEE NOTE 11) DETAIL (F)

MACHINE ROOM

ELECTRICAL EQUIPMENT (BY OTHERS)

(SEE NOTE 9 & 10; ALSO SEE SECTION 38 OF THE ELECTRICAL CODE)

- X MAIN DISCONNECT SWITCH FUSED WITH
  25 A TYPE D FUSE (220V 1PH) OR
  17.5 A TYPE D FUSE (208V 3PH)
  AND WITH AN AUXILIARY CONTACT THAT IS
  POSITIVELY OPENED MECHANICALLY, THE OPENING
  NOT BEING SOLELY DEPENDENT ON SPRINGS.
- Y CAR LIGHT DISCONNECT SWITCH. 120V-1PH-15A FUSED (DEDICATED CIRCUIT REQUIRED)
- Z LIGHT SWITCH AND GROUND FAULT INTERRUPT DUPLEX RECEPTACLE (DEDICATED CIRCUIT REQUIRED)

NOTE: ANOTHER DEDICATED CIRCUIT IS REQUIRED FOR THE PIT LIGHT AND RECEPTACLE PROVIDE A BUILDING GROUND WITH A DEDICATED CONDUCTOR, WIRED TO THE ELEVATOR CONTROLLER AND SIZED ACCORDING TO THE APPLICABLE ELECTRICAL CODE.

DETAIL (G)

### SUGGESTED WALL INSERT INSTALLATION

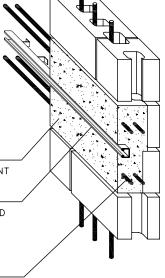
- 1. BREAK OUT AT LEAST HALF OF CONCRETE BLOCKS FOR A MINIMUM HEIGHT OF TWO BLOCKS
- 2. WALL INSERTS TO BE LOCATED AT ELEVATIONS OF RAIL BRACKETS SHOWN AND ON THE RAIL SIDE OF THE HOISTWAY, HORIZONTALLY SPACED AS SHOWN.

NOTE: A SOLID CONCRETE BAND CAN BE USED INSTEAD OF BREAKING OUT BLOCKS.

POURED CONCRETE MUST EXTEND AT LEAST—
100MM (4") PAST THE END OF THE ADJACENT

UNISTRUT P3270 SERIES WALL INSERT(S) — (PROVIDED BY DELTA), SHOULD BE INSTALLED LEVEL AND FLUSH WITH HOISTWAY WALL. (INSERTS CAN BE NAILED DIRECTLY ONTO CONCRETE FORMS).

RE-BARS: QUANTITY AND LOCATION BY BUILDING ARCHITECT OR ENGINEER



THE ELEVATING DEVICES CODE REQUIRES THAT THE BUILDING CONSTRUCTION FORMING THE SUPPORTS FOR THE GUIDE RAIL AND GUIDE RAIL BRACKETS SHALL BE DESIGNED TO WITHSTAND THE FORCES AS INDICATED ON THIS DRAWING. THE CONTRACTOR SHALL ENSURE THAT THE APPROPIATE PROFESSIONAL (ARCHITECT AND/OR ENGINEER) REVIEW THE INDICATED FORCES TO ENSURE THAT THE BUILDING DESIGN AND CONSTRUCTION MEETS ALL REQUIRED CODES.

REV. 2

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INSTALLATION ADDRESS:	DWG. NO.		DATE		
	SALES NO.		SHEET	5 OF	-5

DRAWING: HOISTWAY DETAILS