

LIFT TYPE
ZEUS
MRL

SCHEDULE OF BUILDERS WORK

THE INFORMATION SET OUT BELOW GIVES GENERAL DETAILS OF BUILDERS WORK. HOWEVER ALL WORKS MUST COMPLY WITH THE BRITISH STANDARDS, HEALTH & SAFETY & ALL OTHER RELEVANT REGULATIONS & BYE LAWS. THE LIFT CONTRACTORS DO NOT ACCEPT ANY RESPONSIBILITY FOR THE FAILURE OF THE BUILDING STRUCTURE TO WITHSTAND THE LOADS IMPOSED BY THE INSTALLATION OF & SUBSEQUENT OPERATION OF THE LIFT.

1. FINISH THE PIT TO THE DIMENSIONS STATED. IT IS IMPORTANT THAT THE PIT IS FULLY & PERMANENTLY WATER TIGHT & OIL RESISTANT. ACCESS LADDER IS RECOMMENDED.

2. ANY PIT WATERPROOFING REQUIRED SHOULD BE CARRIED OUT EXTERNALLY TO ALLOW FOR ANY POSSIBLE DRILL FRINGS DURING THE INSTALLATION - UP TO A DEPTH OF 200.

3. LIFT WELL AND MACHINE ROOM TO BE CONSTRUCTED FROM AN INCOMBUSTIBLE MATERIAL WHICH DOES NOT ASSIST THE CREATION AND CIRCULATION OF DUST.

4. CONSTRUCT SMOKE VENT AT THE HEAD OF THE LIFT WELL IN ACCORDANCE WITH LOCAL FIRE OFFICER REQUIREMENTS. IN THE ABSENCE OF SUCH REQUIREMENT, THE AREA OF THE VENT SHOULD BE AT LEAST 1% OF THE CROSS SECTIONAL AREA OF THE LIFT WELL.

5. BUILDER TO TEST LIFTING BEAM TO SAIL INDICATED AND MARK THE SAIL ON THE BEAM. A TEST CERTIFICATE SHOULD BE MADE AVAILABLE TO OUR INSTALLATION ENGINEERS UPON REQUEST.

6. LANDING ENTRANCES SHOULD BE CONSTRUCTED TO THE DIMENSIONS STATED, AND HAVE CONCRETE LINTE AT THE APPROPRIATE HEIGHT. THE ENTRANCE SHOULD BE LEFT OUT AND MADE GOOD AFTER THE INSTALLATION OF THE DOOR FRAMES.

7. ALL DIMENSIONS ARE TAKEN FROM FINISHED FLOOR LEVEL (FFL). BUILDER TO MARK EACH ENTRANCE WITH THE FFL PRIOR TO THE COMMENCEMENT OF THE INSTALLATION. BUILDER TO SUPPLY AND CORRECTLY POSITION UNSTRUTTED INSERTS WHERE INDICATED.

8. ALL LANDING ENTRANCES SHOULD BE PROVIDED WITH EITHER LOCKABLE HORIZONTALS, OR SAFETY BARRIERS COMPLETE WITH KICK BOARDS.

9. CONSTRUCT A DRAIN FREE AND WELL VENTILATED MACHINE ROOM FROM AN INCOMBUSTIBLE MATERIAL WHICH DOES NOT ASSIST THE CREATION AND CIRCULATION OF DUST. THE MACHINE ROOM FLOOR SHOULD BE TREATED AGAINST HYDRAULIC OIL SPILLAGES & HAVE AN ANTI SPILLAGE BARRIER 100 HIGH FITTED TO THE INSIDE OF THE ENTRANCE DOOR.

10. THE MACHINE ROOM TEMPERATURE MUST MAINTAINED AT +5 C AND +30 C. ADEQUATE PRECAUTIONS SHOULD BE TAKEN TO PREVENT THE TRANSMISSION OF NOISE FROM THE MACHINE ROOM TO OTHER AREAS OF THE BUILDING.

11. IN ORDER TO AVOID DUST BUILD UP AN ALLOW CORRECT LIGHTING LUX LEVEL LIFT SHAFT WALLS SHOULD BE SUITABLY SEALED WITH A WHITE FINISHED SEALANT.

12. MACHINE ROOM DOOR MUST OPEN OUTWARDS & BE FITTED WITH A LOCK WHICH WILL ALLOW THE DOOR TO BE OPENED FROM INSIDE WITHOUT THE NEED TO USE A KEY.

13. BUILDER TO PROVIDE SCOTCHING IN THE LIFT WELL AS INSTRUCTED. STAGES ARE REQUIRED AT 2000 INTERVALS. ALL STAGES SHOULD BE FULLY BOARDED.

14. PROVIDE ADEQUATE SAFE ACCESS TO THE LIFT WELL AND MACHINE ROOM FOR MATERIALS UP TO 5000 IN LENGTH.

15. THE LIFT SHAFT SHALL BE PROVIDED WITH PERMANENT SHAFT LIGHTING DURING THE INTENSITY OF ILLUMINATION OF AT LEAST 50 LUX 1 METER ABOVE CAR ROOF AND PIT FLOOR, EVEN WHEN THE LANDING DOORS ARE CLOSED. THE TERMINAL LIGHTING UNITS AT SHAFT CEILING AND PIT LEVEL SHOULD NOT EXCEED 500 MK.

ELECTRICAL REQUIREMENTS

CARRY OUT ELECTRICAL WORKS AS DETAIL. IMPORTANT - THE MAINS SUPPLY MUST BE LIVE ON COMMENCEMENT OF THE INSTALLATION. A THREE PHASE 415V SWITCH GEAR TO BE FITTED WITH MOTOR WREDS FUSES. PROVIDE 3 SPARE FUSES FOR USE DURING TEST. A SEPARATE SINGLE PHASE SUPPLY IS REQUIRED TO SERVICE LIGHTING AND HEATING REQUIREMENTS. A 1 MW CONSUMER UNIT IS RECOMMENDED.

A TEMPORARY 110V AC SUPPLY IS REQUIRED FOR POWER TOOLS, ETC. EXTENDING THE HEIGHT OF THE WELL IS IN THE MACHINE ROOM. ADEQUATE TEMPORARY LIGHTING IS REQUIRED IN THE LIFT WELL AND MACHINE ROOM TO LIFT EFFECTIVE REQUIREMENT. A TELEPHONE LINE MUST BE PERMANENTLY AVAILABLE IN THE MACHINE ROOM AT POSITION TO BE AGREED WITH LIFT ENGINEER.

IT IS THE RESPONSIBILITY OF THE BUILDER TO PREVENT THE RISKS OF MOISTURE, DUST AND OTHER SUBSTANCE FROM CONTAMINATING THE LIFT EQUIPMENT DURING & ON COMPLETION OF THE INSTALLATION AND TO PROTECT THE LIFT EQUIPMENT AGAINST DAMAGE AND DEGRADATION DUE TO ANY OTHER CAUSE. WHILST ALL THE DIMENSION STATED ON THIS DRAWING ARE IMPORTANT WE WOULD WELCOME PARTICULAR REFERENCE TO THE FOLLOWING:

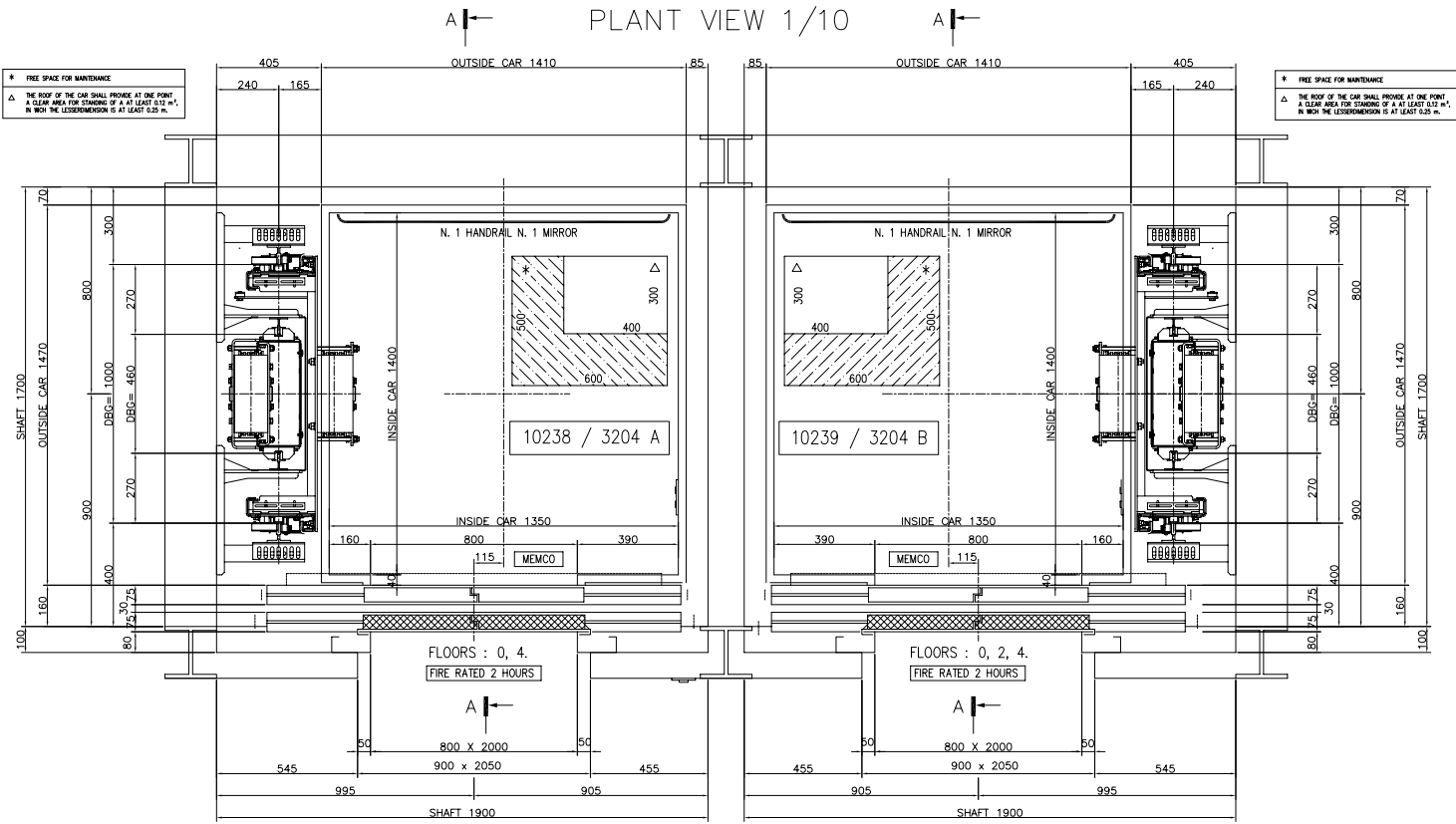
1) TOTAL LIFT TRAVEL
2) HEADROOM
3) PIT DEPTH
4) MINIMUM PLUMB WELL
5) GAS WATER ELECTRICITY TELEPHONE AND OTHER SERVICES SHOULD NOT BE RUN IN THE LIFT WELL OR MACHINE ROOM

THESE DIMENSIONS SHOULD BE CHECKED DURING CONSTRUCTION AND ANY DISCREPANCIES REPORTED IMMEDIATELY.

THE MACHINE ROOM SHALL BE PROVIDED WITH PERMANENTLY INSTALLED THE BASIS OF AT LEAST 200 LUX AL FLOOR LEVEL. THE NATURAL OR ARTIFICIAL LIGHTING OF THE LANDING IN THE VICINITY OF LANDING DOORS SHALL BE AT LEAST 50 LUX AT FLOOR LEVEL.

THE WALL SHALL BE PROVIDED WITH PERMANENTLY INSTALLED ELECTRIC LIGHTING GIVING AN INTENSITY OF ILLUMINATION OF AT LEAST 50 LUX 1 METER ABOVE THE CAR ROOF AND THE PIT FLOOR, EVEN WHEN ALL DOORS ARE CLOSED.

Drawing 1 / 4

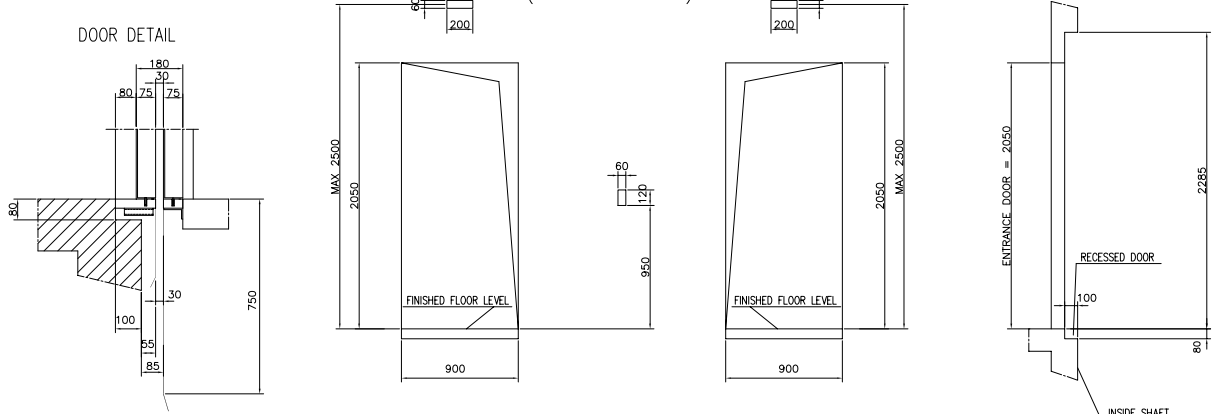


* FREE SPACE FOR MAINTENANCE
△ THE ROOF OF THE CAR SHALL PROVIDE AT ONE POINT A CLEAR AREA FOR STORING OF AT LEAST 0.25 M², IN WHICH THE LESSEST DIMENSION IS AT LEAST 0.25 M.

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DOOR ENTRANCES TO LEFT BE OUT UNTIL DOORS ARE FITTED

LANDING DOOR FIXING DETAIL (AT ALL FLOORS) 1:20



N	1	Passenger lift
Load	800 Kg	Surface 1,92 m ²
Capacity	N. 10 persons	
Stops	2 (10238/3204A) 3 (10239/3204B)	2 (10238/3204A) 3 (10239/3204B)
Car travel	13940 mm	
Suspension	2:1	
Ropes	N. 5	ø 8 Strand 8
Gear box type	GEARLESS GLAT 1C	
Motor	6 Kw	Poles
R.P.M.	119 /min.	
Ratio	Driv. Pulley ø 320 mm	
Coneiform Rate	80	
Ropes Turn Angle	180	
Number of motor starts	N./h 240	
Speed (UP)	1,00 VVVF m/s	
Speed (DOWN)	1,00 VVVF m/s	
Low speed	m/s	
Car guide rails	T 90 75 16	
Counterweight guide rails	T 90 65 09	
Brackets max. distance	1750 mm	
Counterweight	STEEL	
Cabin from	STEEL	
Car doors	CENTRAL OPENING VVVF	
Landing doors	CENTRAL OPENING FIRE RATED	
Power	415 V	50 Hz
Car light power	240 V	50 Hz
Operation	DUPLEX COLLECTIVE	
PUSH BUTTON BOXES		
Cabin	0, 4, AL <>	
G. floor	C - 0 - digital indicator - arrows	
On all floors	C - 0 - digital indicator - arrows	

Q	Load	786	daN
Pc	Cabin load	687	daN
Pa	Car frame load	296	daN
Po	Operator load	79	daN
T	Total Load	1848	daN
TC	Counterweight Load	1455	daN

LOADS CONCENTRATED			
R1	7390	daN	R6 1800 daN
R2		daN	R7
R3	5815	daN	R8
R4	1800	daN	R9
R5	1800	daN	R10 2070 daN

OVER TRAVEL CABIN mm	
UP 150	DOWN 150

DATE	30/04/2008	FIRMA	Giorgio
REV.	DATE	PLANT N.	
3	11/06/2008	10238 / 3204 A	10239 / 3204 B

Rev.1 date : 02/05/08 .
Travel was 13900 mm
Machine room disposition

Rev.2 date : 06/05/08 .
Added stop "2" for lift 10239/3204B
Pit was 1120 mm.

Rev.3 date : 11/06/08 .
Changed counterweight DBG was 410 mm
Changed H inside car was 2200 mm.

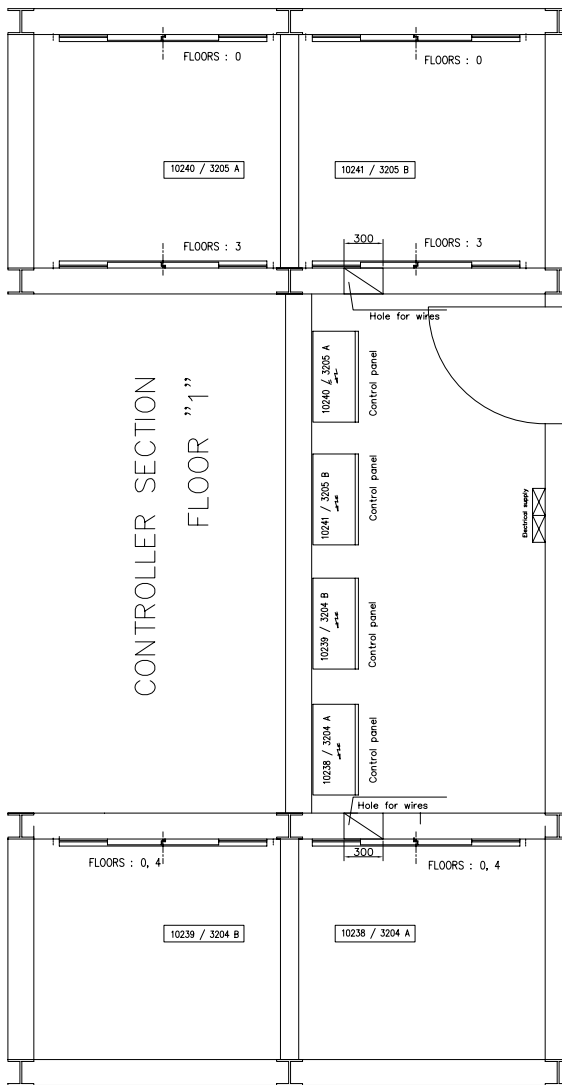
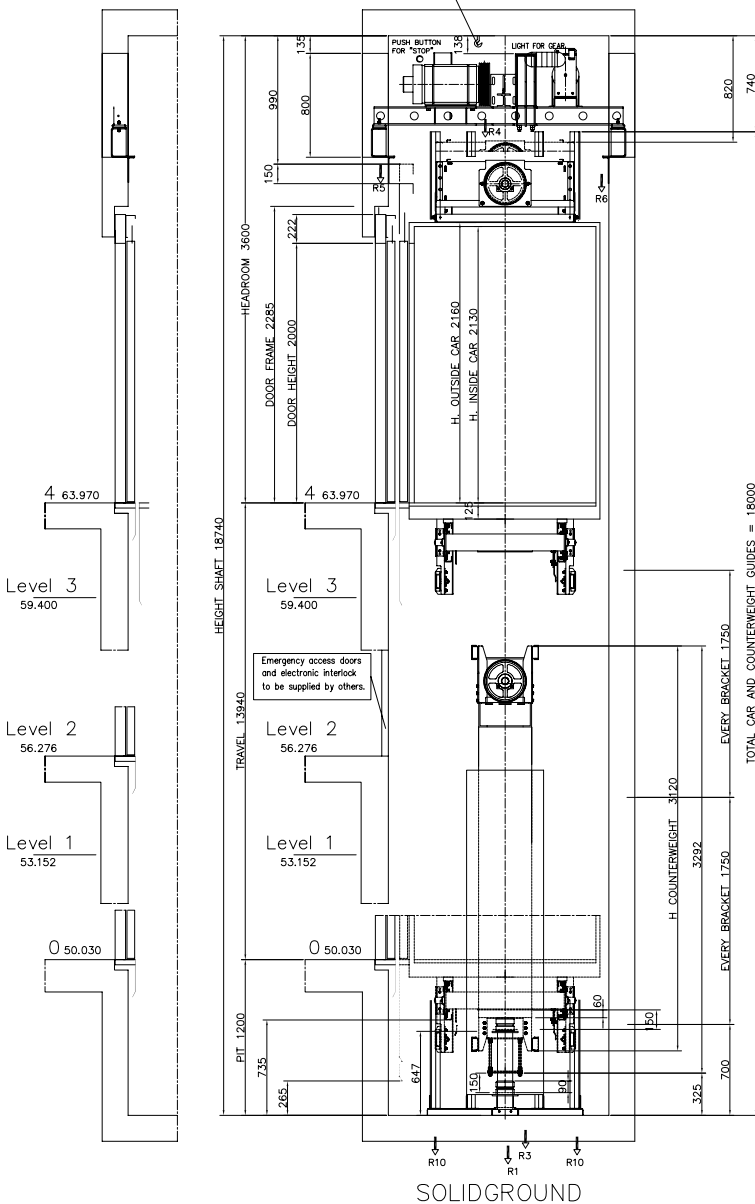
Axel Direct Ltd

10239 / 3204 B

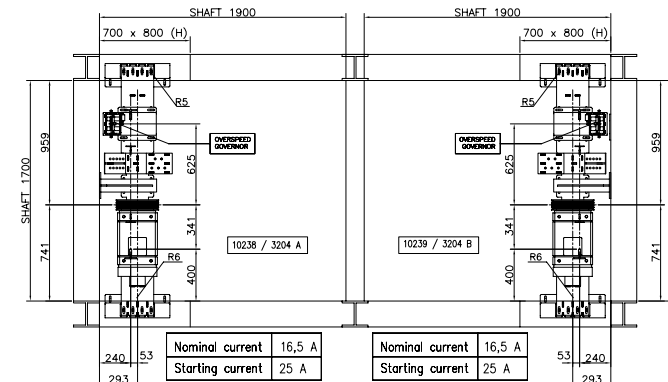
REMOVABLE HOOK =
800 daN

10238 / 3204 A

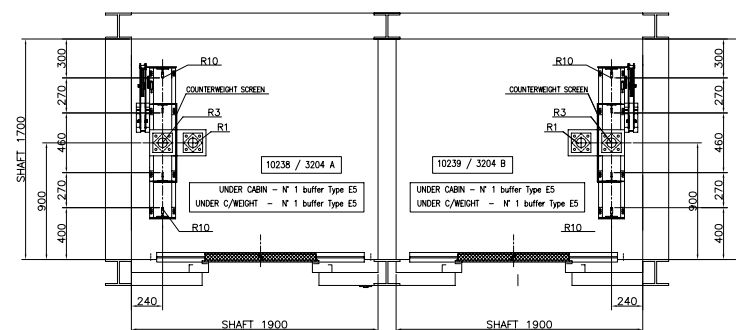
SECTION A-A



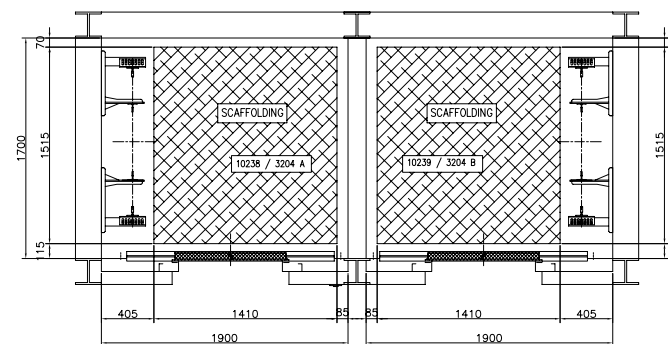
HEADROOM SECTION 1/20



PIT SECTION 1/20



SCAFFOLDING DETAIL
SC. 1/20



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