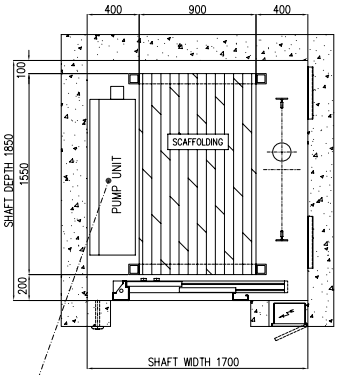
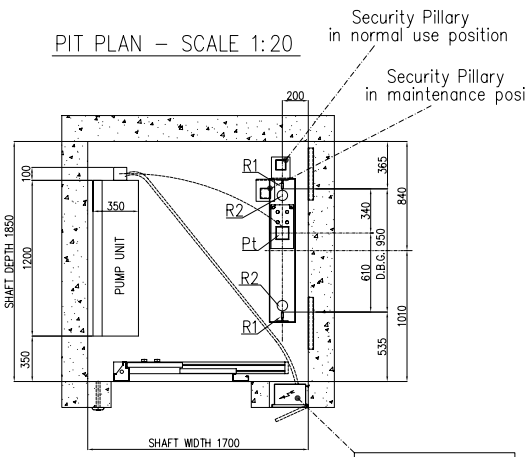
SCAFFOLDING DETAIL – SCALE 1:20



FIT THE PUMP UNIT IN THE PIT BEFORE ERECTING SCAFFOLDINGS

PIT PLAN – SCALE 1:20



Floor: 0

N° 2 SPRING BUFFERS TYPE "E" ø 17 mm

Control panel complete with the door panel Handpump and Electrical Emergency

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. FORM & 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 FIXINGS DURING THE INSTALLATION – UPTO 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 SWL INDICATED AND MARK THE SWL ON THE BEAM. A TEST CERTIFICATE SHOULD BE MADE AVAILABLE TO OUR INSTALLATION ENGINEERS UPON REQUEST.
6. IN ORDER TO AVOID DUST BUILD UP AN ALLOW CORRECT LIGHTING LUX LEVEL LIFT SHAFT WALLS SHOULD BE SUITABLY SEALED WHIT A WHITE FINISCHED SEALANT
7. LANDING ENTRANCES SHOULD BE CONSTRUCTED TO THE DIMENSIONS STATED, AND HAVE CONCRETE LINTEL AT THE APPROPRIATE HEIGHT. THE ENTRANCE SHOULD BE LEFT OUT AND MADE GOOD AFTER THE INSTALLATION OF THE DOOR FRAMES. BUILDER TO SUPPLY AND CORRECTLY POSITION UNISTRUIT INSERTS WHERE INDICATED
8. ALL DIMENSIONS ARE TAKEN FROM FINISHED FLOOR LEVEL (FFL). BUILDER TO MARK EACH ENTRANCE WITH THE FFL PRIOR TO THE COMMENCEMENT OF THE INSTALLATION.
9. ALL LANDING ENTRANCES SHOULD BE PROVIDED WITH EITHER LOCKABLE HOARDINGS, OR SAFETY BARRIERS COMPLETE WITH KICK BOARDS.
10. CONSTRUCT A DAMP FREE AND WELL VENTILATED MACHINE ROOM FROM AN INCONBUSTIBLE MATERIAL WHICH DOES NOT ASSIST THE CREATION AND CIRCULATION OF DUST. THE MACHINE ROOM FLOOR SHOULD BE TREATED AGAINST HYDRAULIC OIL SPILAGES & HAVE AN ANTI SPILLAGE BARRIER 100 HIGH FITTED TO THE INSIDE OF THE ENTRANCE DOOR
11. THE MACHINE ROOM TEMPERATURE MUST MAINTAINED AT +15 C AND +45 C. ADEQUATE PRECAUTIONS SHOULD BE TAKEN TO PREVENT THE TRANSMISSION OF NOISE FROM THE MACHINE ROOM TO OTHER AREAS OF THE BUILDING.
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 SCAFFOLDING 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 UPTO 5000 IN LENGTH
15. THE LIFT SHAFT SHALL BE PROVIDED WITH PERMANENT SHAFT LIGHTING GIVING 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 mm.

ELECTRICAL REQUIREMENTS

CARRY OUT ELECTRICAL WORKS AS DETAILED. IMPORTANT – THE MAINS SUPPLY MUST BE LIVE ON COMMENCEMENT OF THE INSTALLATION.

A PHASE AMP. SWITCH FUSE IS TO BE FITTED WITH MOTOR RATED FUSES. PROVIDE 3 SPARE FUSES FOR USE DURING TEST.

A SEPARATE SINGLE PHASE SUPPLY IS REQUIRED TO SERVICE LIGHTING AND HEATING REQUIREMENTS : A 4 WAY CONSUMER UNIT IS RECOMMENDED.

A TEMPORARY 110V AC SUPPLY IS REQUIRED FOR POWER TOOLS, ETC. EXTENDING THE HEIGHT OF THE WELL & IN THE MACHINE ROOM.

ADEQUATE TEMPORARY LIGHTING IS REQUIRED IN THE LIFT WELL AND MACHINE ROOM TO LIFT ERECTORS REQUIREMENTS.

A TELEPHONE LINE MUST BE PERMANENTLY AVAILABLE IN THE MACHINE ROOM AT POSITION TO BE AGREED WITH LIFT ENGINEER

GENERAL

IT IS THE RESPONSIBILITY OF THE BUILDER TO PREVENT THE INGRESS 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 DETERIORATION DUE TO ANY OTHER CAUSE.

WHILST ALL THE DIMENSION STATED ON THIS DRAWING ARE IMPORTANT WE WOULD MAKE PARTICULAR REFENCE TO THE FOLLOWING:

I) TOTAL LIFT TRAVEL
II) HEADROOM
III) PIT DEPTH
IV) MINIMUM PLUMB WELL

– THESE DIMENSIONS SHOULD BE CHECKED DURING CONSTRUCTION AND ANY DISCREPENCIES REPORTED IMMEDIATELY

GAS WATER ELECTRICITY TELEPHONE AND OTHER SERVICES SHOULD NOT BE RUN IN THE LIFT WELL OR MACHINE ROOM

THE MACHINE ROOM SHALL BE PROVIDED WITH PERMANENTLY INSTALLED ELETRIC LIGHTING ON THE BASIS OF AT LEAST 200 LX AL FLOOR LEVEL.

THE NATURAL OR ARTIFICIAL LIGHTING OF THE LANDING IN THE VICINITY OF LANDING DOORS SHALL BE AT LEAST 50 LX AT FLOOR LEVEL

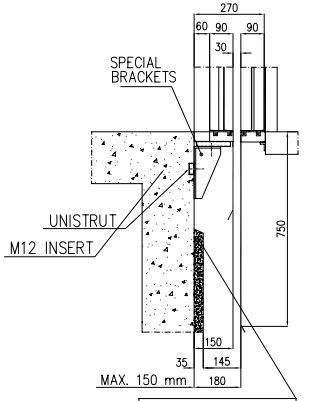
THE WALL SHALL BE PROVIDED WITH PERMANENTLY INSTALLED ELETRIC LIGHTING GIVING AN INTENSITY OF ILLUMINATION OF AT LEAST 50 LX, 1 MT. ABOVE THE CAR ROOF AND THE PIT FLOOR, EVEN WHEN ALL DOORS ARE CLOSED

PUMP UNIT	TYPE "MRL-H"	
TOTAL OIL	145	L
NOMINAL CURRENT	31.3	A
STARTING CURRENT	77	A

* FREE SPACE FOR MAINTENANCE

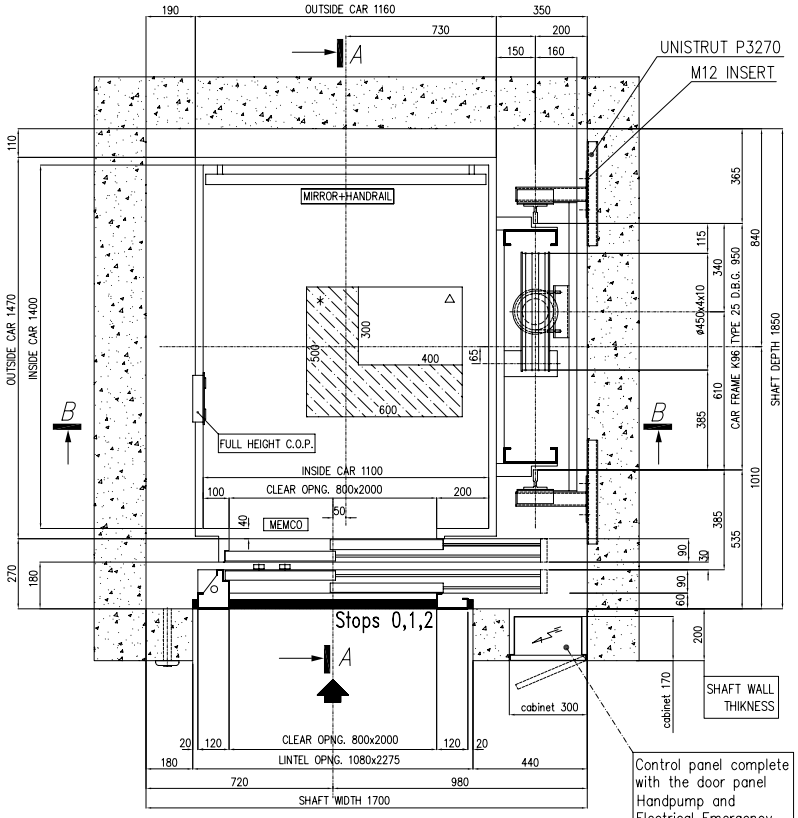
△ THE CAR ROOF SHALL HAVE AT ONE POINT A CLEAR AREA FOR STANDING OF AT LEAST 0.12 m², IN WICH THE LESSER DIMENSION IS AT LEAST 0.25 m.

LANDING DOOR FIXING DETAIL AT ALL FLOORS – SCALE 1:10

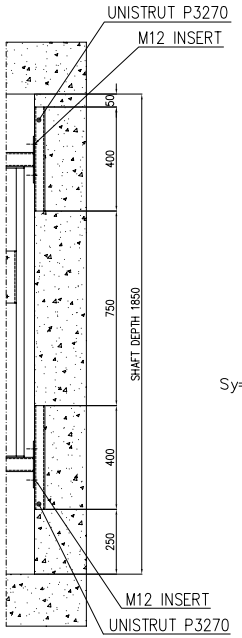


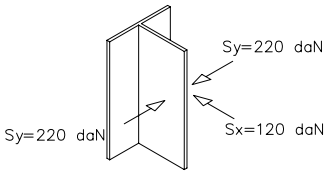
MAX. DISTANCE BETWEEN CAR SILL AND FRONT WALL MUST NOT EXCEED 150 mm AS PER EN.81.2 OTHERWISE FASCIA PANEL MUST BE FITTED BETWEEN THE LANDING AND TOP OF THE NEXT ENTRANCE

SHAFT AND CAR PLAN – SCALE 1:10

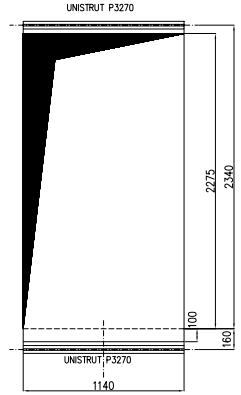


Control panel complete with the door panel Handpump and Electrical Emergency





DOOR ENTRANCE DETAIL (FOR ALL ENTRANCE)



Rev. 1 – date 28.07.2008 M.M.
ADDED ON DRAWINGS THE REFERENCE OF APPARTAMENT

N. 1	Passenger lift	EN81-70 DDA	
Load 630	Kg	Surface 1,59	mq.
Capacity N. 8	persons		
Stops 3		Services 3	
Car travel		9390	mm
Piston	100x5		mm
Pump	150	l/min	
Motor	11,0	Kw	2 Poles
Number of motor starts		N./h	40
Speed (UP)		0,62	m/s
Speed (DOWN)		0,62	m/s
Low speed		0,16	m/s
Suspension		1:2	
Pulley ø		450	mm
Ropes N. 4	ø 10	Strand	
Car guide rails	T 89 x 62 x 16		
Brackets max. distance		1800	mm
Cabin from	STEEL		
Car doors	SIDE OPENING		
Landing doors	SIDE OPENING		
Power 415	V	50	Hz
Car light power 240	V	50	Hz
Operation	SIMPLEX DOWN COLLECTIVE		
PUSH BUTTON BOXES			
Cabin	0, 2, 3, AL, ◁, ▷, ><		
G. floor	C – O – arrows+gong+indicator		
On all floors	C – O – arrows+gong+indicator		

Q	Load	620	daN
Pc	Cabin load	425	daN
Pa	Car frame load	185	daN
Po	Operator load	95	daN
T	Piston pull		daN
Pt	Tot. load piston	2930	daN
P't			daN
R1		2160	daN
R2		2700	daN

OVER TRAVEL mm	
PISTON	CAR
75	150
230	85

DATE 16-05-2008 FIRMA M.M.

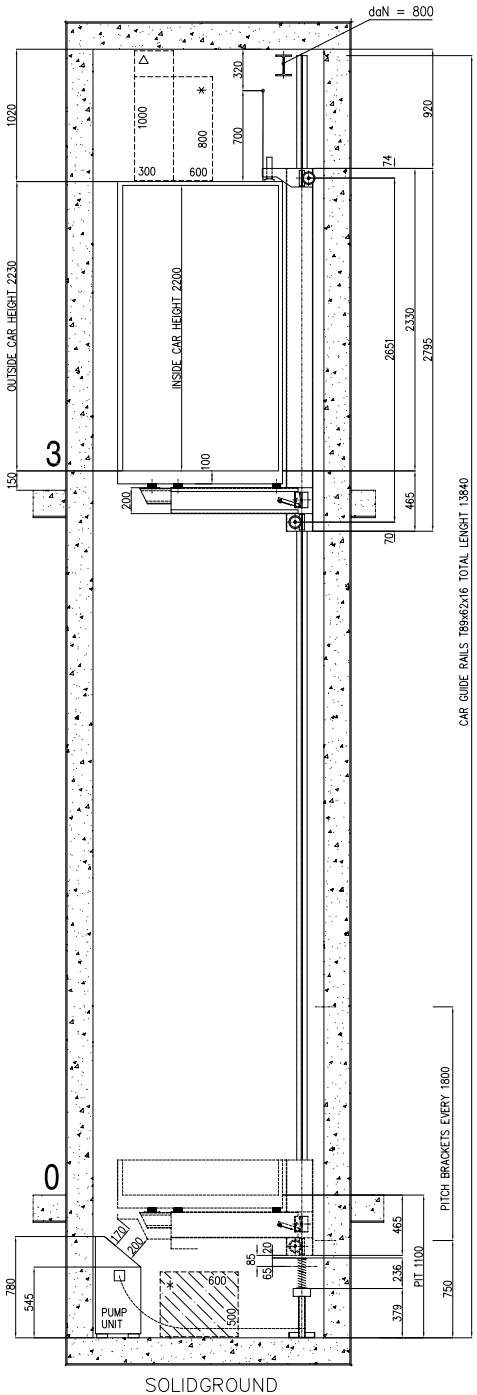
REV.	DATE	PLANT N.
1	28.07.2008	10267/3307

drawing 1/2

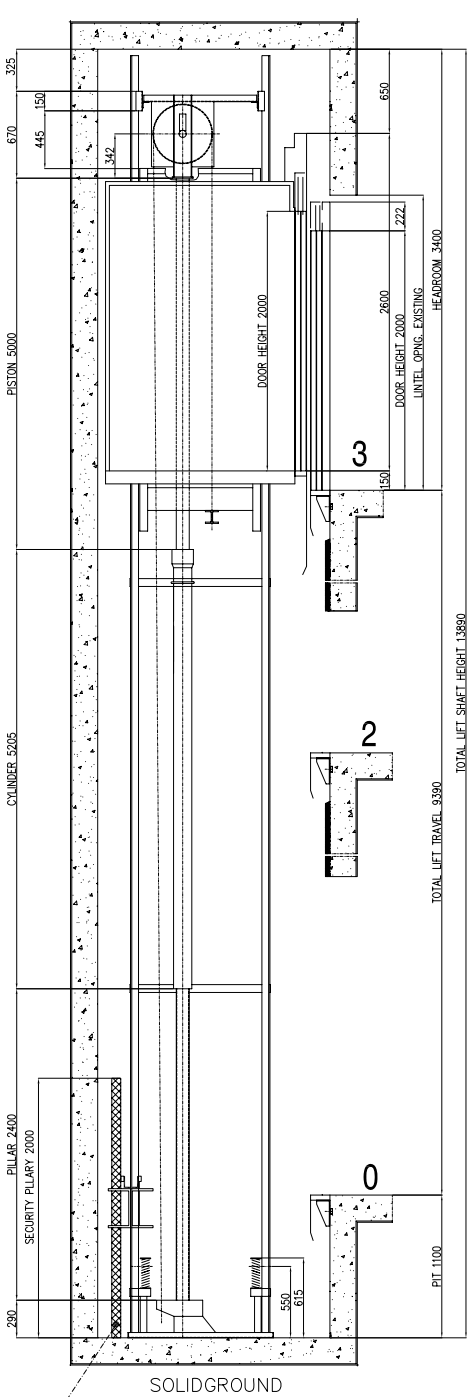
Axel Direct

East Block - Stair 2

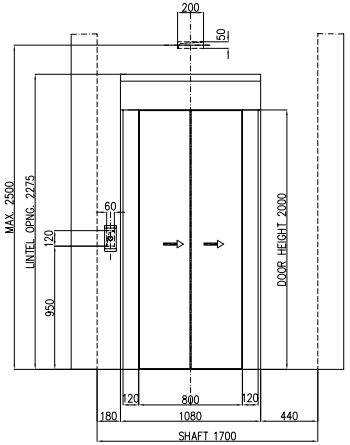
SECTION B:B – SCALE 1:20



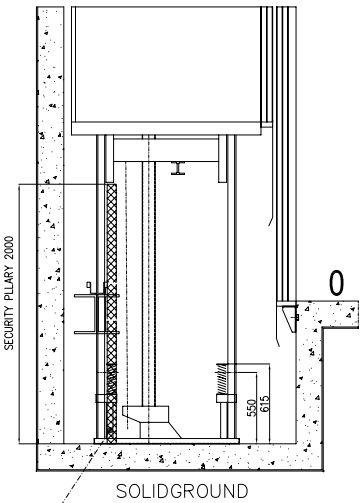
SECTION A:A – SCALE 1:20



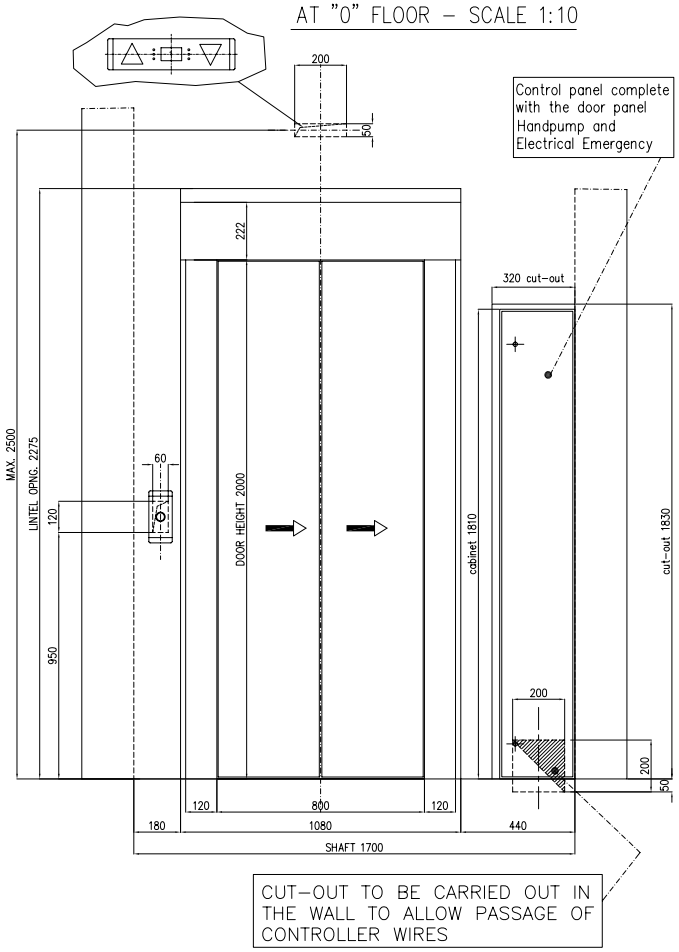
ENTRANCE ELEVATION AT OTHER FLOORS – SCALE 1:10



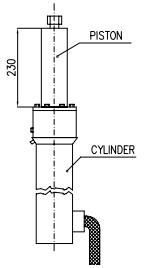
SECTION A:A – SCALE 1:20



ENTRANCE ELEVATION AT "0" FLOOR – SCALE 1:10



PISTON DETAIL



DATE 16–05–2008	FIRMA M.M.	
REV.	DATE	PLANT N.
1	28.07.2008	10267/3307

drawing 2/2

Axel Direct

East Block - Stair 2

Rev. 1 – date 28.07.2008 M.M.
ADDED ON DRAWINGS THE REFERENCE OF APPARTAMENT