LIFT TYPE
EXEL 1000

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. LANDING ENTRANCES SHOULD BE CONSTRUCTED TO THE DIMENSIONS STATED, AND HAVE CONCRETE LINTLE 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 UNISTRUT INSERTS WHERE INDICATED.
8. ALL LANDING ENTRANCES SHOULD BE PROVIDED WITH EITHER LOCKABLE HOARDINGS, OR SAFETY BARRIERS COMPLETE WITH KICK BOARDS.
9. 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 SPLAGES & 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 WHIT A WHITE FINISCHED 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 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 SEPERATE 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;

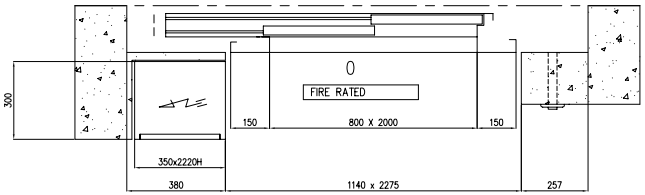
I) TOTAL LIFT TRAVEL
II) HEADROOM
III) PIT DEPTH
IV) MINIMUM PLUMB WELL

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 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.

ENTRANCE AT "0" FLOOR 1:10



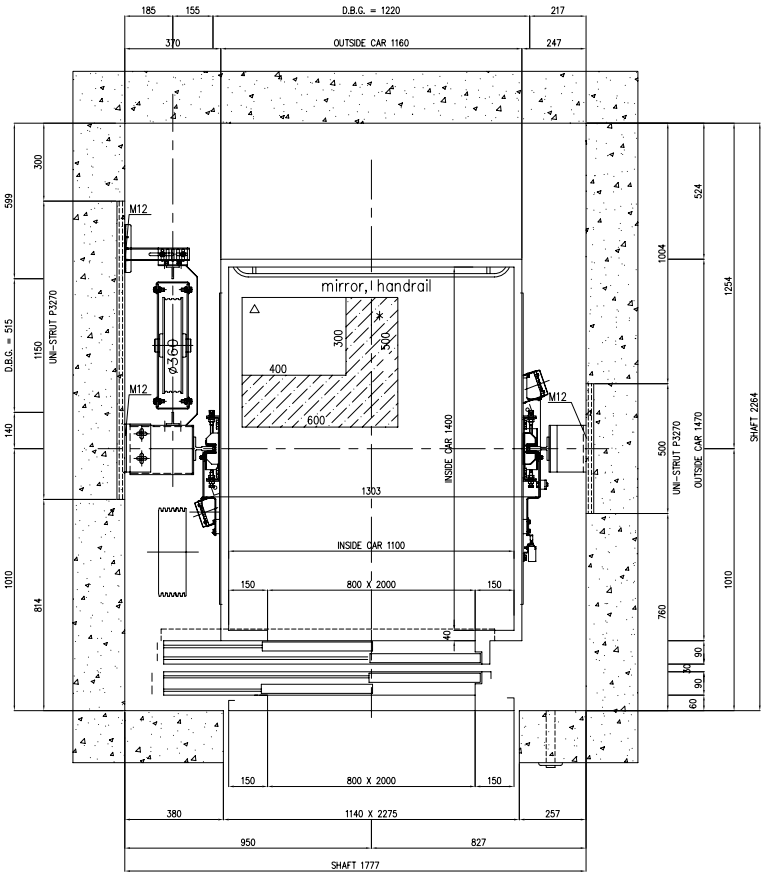
NOTE:
* A TELEPHONE LINE MUST BE PERMANENTLY AVAILBLE IN THE CONTROL PANEL AT A POSITION TO BE AGRRED WITH LIFT ENGINEER.

13,95 A	Nominal current
30 A	Starting current

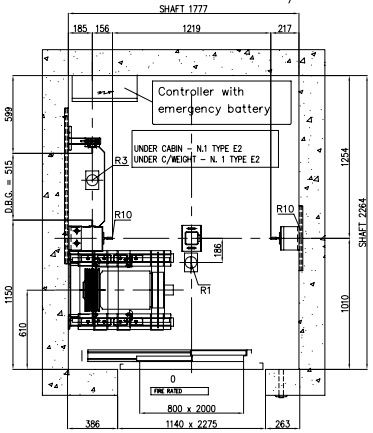
* FREE SPACE FOR MAINTENANCE

△ THE ROOF OF THE CAR SHALL PROVIDE AT ONE POINT A CLEAR AREA FOR STANDING OF A AT LEAST 0,12 m , IN WICH THE LESSERDIMENSION IS AT LEAST 0,25 m.

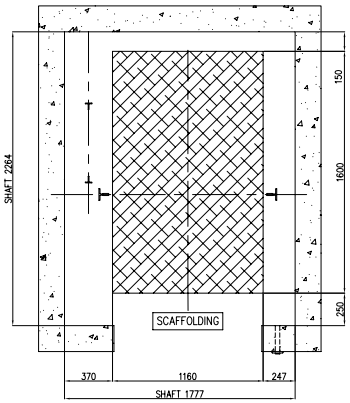
PLANT VIEW " – SC. 1/10



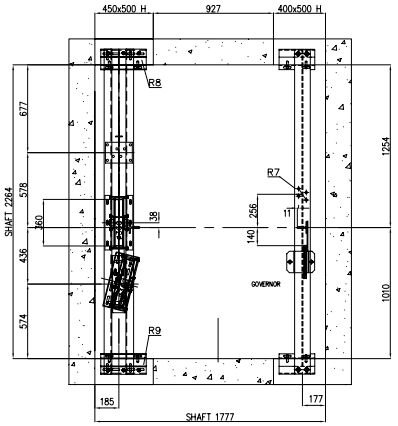
PIT SECTION – SC. 1/20



SCAFFOLDING DETAIL – SC. 1/20



HEADROOM SECTION – SC. 1/20



N. 1	Passenger lift				
Load 630	Kg	Surface 1,54		mq.	
Capacity N. 8	persons				
Stops 3		Services 3			
Car travel		5250		mm	
Suspension		2:1			
Ropes N. 4	ø 8	Strand 6			
Gear box tipe	GLAT 1C–190				
Motor 5		Kw		Poles	
R.P.M. 119	/min.				
Ratio	Driv. Pulley ø	320	mm		
Cuneiform Race		100			
Ropes Turn Angle	180				
Number of motor starts		N./h	240		
Speed (UP)		0,63 VVVF	m/s		
Speed (DOWN)		0,63 VVVF	m/s		
Low speed		m/s			
Car guide rails	T 90 75 16				
Counterweight guide rails	T 50 50 06				
Brackets max. distance		2500	mm		
Counterweight	STEEL				
Cabin from	STEEL				
Car doors	TELESCOPIC OPENING DOOR				
Landing doors	TELESCOPIC OPENING DOOR				
Power 415	V	50	Hz		
Car light power 240	V	50	Hz		
Operation	DOWN COLLECTIVE				
PUSH BUTTON BOXES					
Cabin	0,1,2 AL < >				
G. floor	Reg., arrows, LCD				
On all floors	Reg., arrows, LCD				

Q	Load	619	daN
Pc	Cabin load	422	daN
Pa	Car frame load	265	daN
Po	Operator load	88	daN
T	Total Load	1394	daN
TC	Counterweight Load	1085	daN

LOADS CONCENTRATED

R1	5640 daN		R6	1150	daN
R2	daN		R7	705	daN
R3	4380 daN		R8		daN
R4	1250 daN		R9		daN
R5	1150 daN		R10	1560	daN

OVER TRAVEL CABIN mm

UP	130	DOWN	130

DATE 09.02.2009 FIRMA GA

REV.	DATE	PLANT N.
		10310/3230

DRAWING 1/2

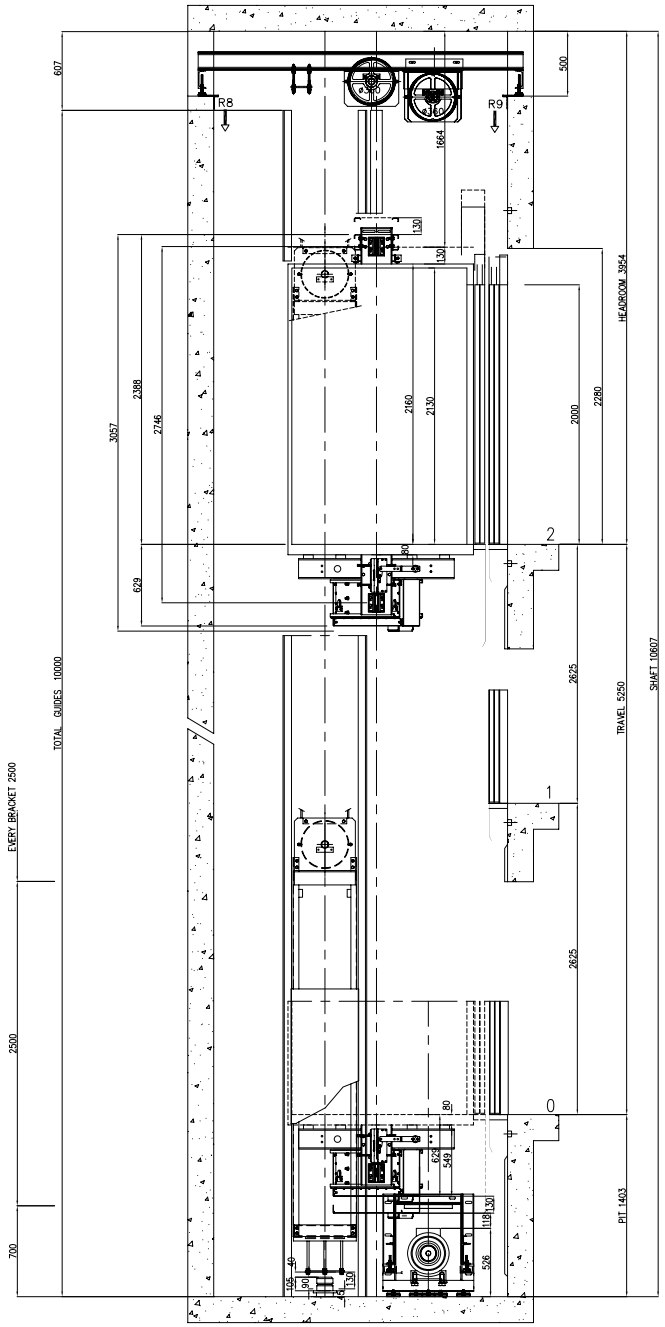
AXEL

GEARLESS in the pit 8 persons

LIFT TYPE

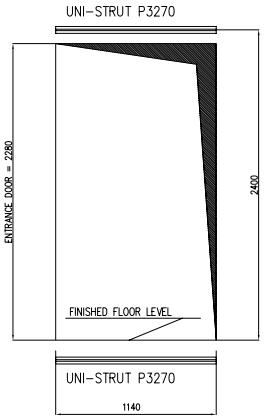
EXEL 1000

SECTION A–A

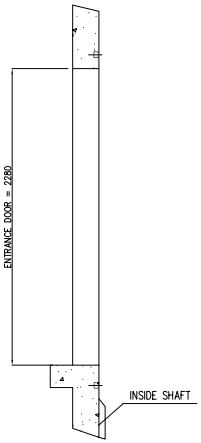


SOLIDGROUND

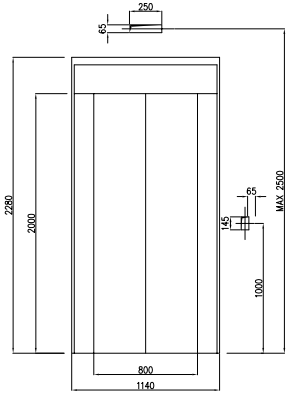
DETAIL DOOR ENTRANCE



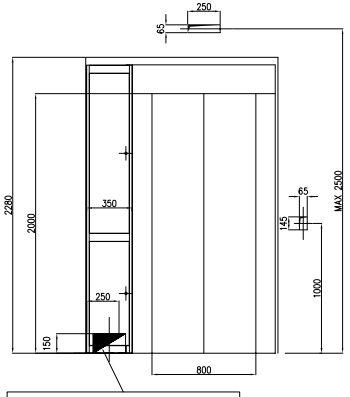
LATERAL SECTION DOORS



DETAIL AT FLOORS " 1,2. "

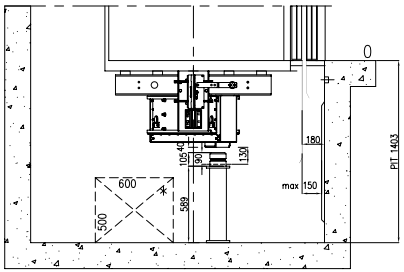


DETAIL AT FLOOR " 0 "

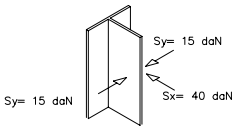


CUT–OUT TO BE CARRIED OUT IN THE WALL TO ALLOW PASSAGE OF CONTROLLER WIRES

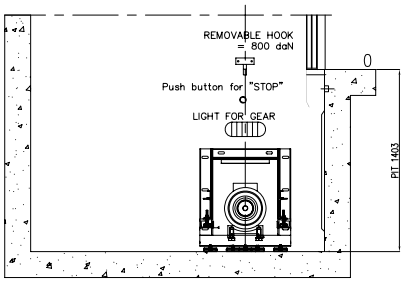
SECTION A–A



SOLIDGROUND



SECTION A–A



SOLIDGROUND

DATE 09.02.2009	FIRMA GA	
REV.	DATE	PLANT N.

DRAWING 2/2

AXEL

GEARLESS in the pit 8 persons