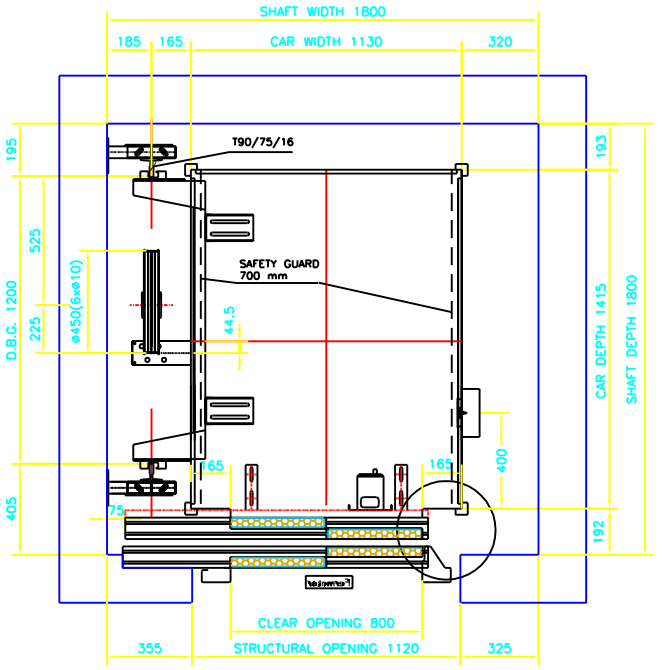
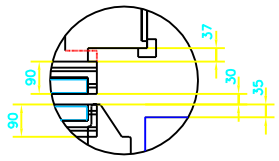
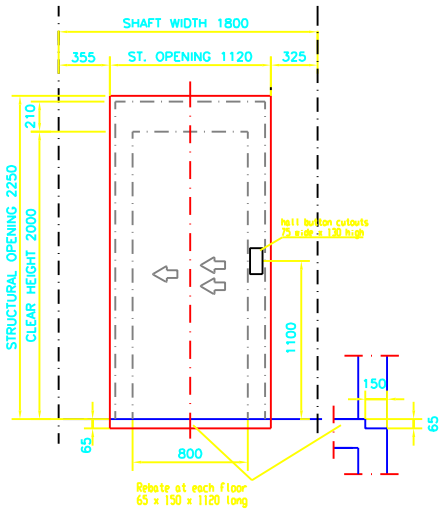
PLAN VIEW
Scale 1:15



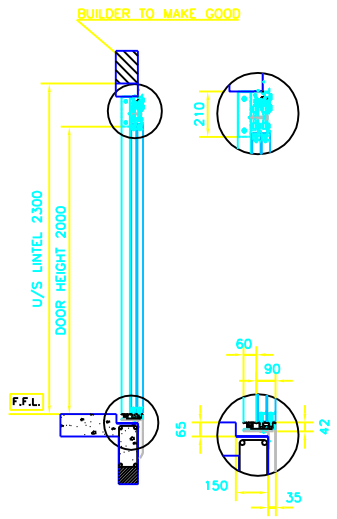
ALL ENTRANCE NIBS LEFT OUT UNTIL LANDING DOORS ARE FITTED



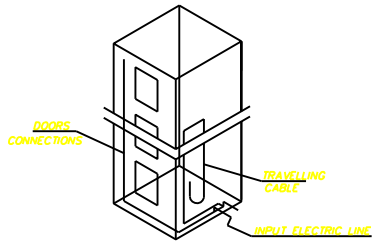
DOOR FRONT VIEW
Scale 1:25



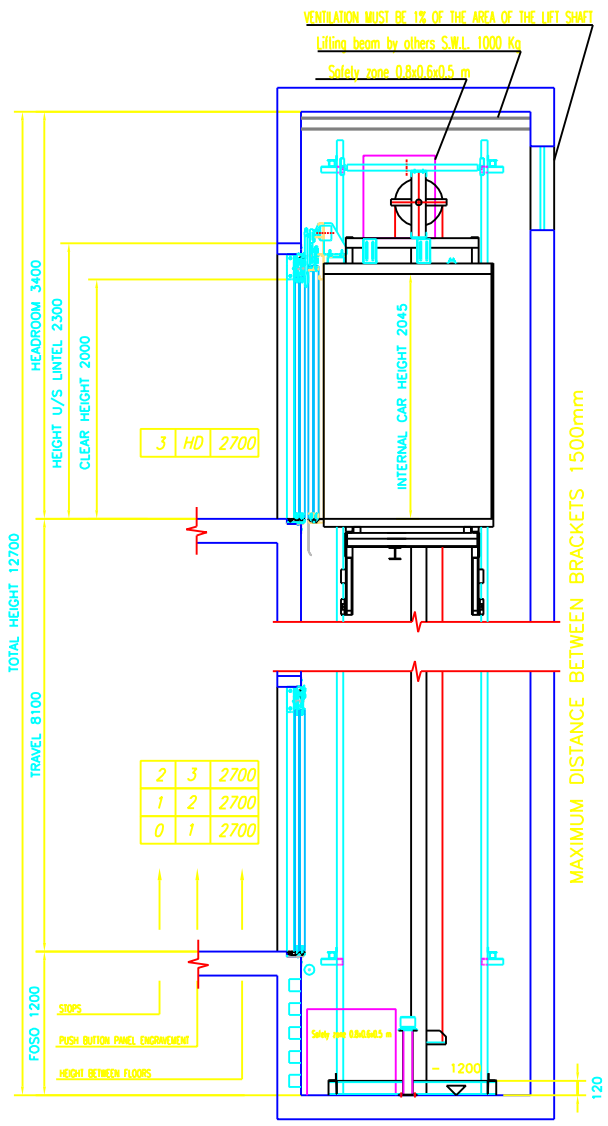
SILL DETAIL
Scale 1:25



BASIC SCHEME



ELEVATION
Scale 1:30

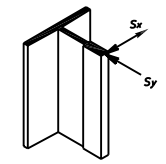


GENERAL CARACTERISTICS

REFERENCE CLIENT		OL 2099	REFERENCE CP & CTV		3825 / 016
MODEL LIFT		H-01	SUSPENSION		2 : 1
NOMINAL LOAD	(Kg.)	630	CAPACITY	(n° PERSONS)	8
SPEED	(m/s)	0,63	TRAVEL	(mm.)	8100
STOPS	(n°)	4	LEVELS SERVED	(n°)	4
TYPE GUIDE CAR	T-	90/75/16	MAX. DIST. BETWEEN FIXINGS(mm.)		1500
N° FIXINGS		10 x 2			
CAR FRAME TYPE		CH-1000/M-1	MODEL CAR (COD.)		EBRO
ø PULLEY	(mm.)	450	TYPE BUFFERS/n°	(COD/n°)	300117/1
ø ROPES /n°	(mm/n°)	10/6	COMPOSITION OF ROPES		ROPE 8x19+1
LENGTH ROPES	(mm.)	19000	ROPE ROTURE LOAD	(N)	4490
LENGHT CYLINDER	(mm.)	4520	JACK SECTIONS		1
ø/THICKNESS CYLINDER	(mm.)	100/5	MAX. PRESSURE	(atm)	29.16
HYDRAULIC	(l/min.)	180	POWER	(CV)	180
TYPE OF OIL		AW-68	LITRES	(l.)	200
VALVES VOLTAGE	(V.)	110	START DIR ☐		☒ Δ-λ
CONTROL (COD.)		MICROBASIC	MAINS VOLTAGE	(V)	415
MAINS FREQUENCY	(Hz.)	50	CONTROL VOLTAGE	(V)	415

CALCULATIONS

WEIGHT		Kg.	N.	REACTIONS ON GUIDE
CAR	382.15 x2	764.30 +	7497.84	REACTIONS ON CAR GUIDES
NOMINAL LOAD	630 x2	1260 +	12360.6	Sx 5277.81 N Sy 1721.44 N
FRAME	194 x2	388 +	3806.28	MAXIMUM REACTIONS ON WALLS
CAR DOOR	94 x2	188 +	1844.28	Sx1 5277.81 N Sy1 1721.44 N
ROPES		35.22 =	345.57	
TOTAL LOAD			25851.57+	
PISTON + ACCESSORY			1629.15 =	
TOTAL LOAD CYLINDER			27480.71x	
COEFF. INCREASE OVER PRESSURE			1,4 =	
DYNAMIC LOAD			38473.0 +	
CYLINDER/OIL/RAM STAND			2433.81 =	
LOADING IN JACK		(R1)	40906.81	
LOADING IN BUFFER		(R2)	51.012.0	
LOADING IN GUIDE		(R3)	20773.46	



WORK BY THE CUSTOMER

SHAFT: The structure of the shaft must be built according to the national building rules. Wall of the shaft must resist a pressure of 60 N/cm². Nominal dimensions according to the drawings. Vertical tolerance from (-0) to (+40 mm.). Shaft protections fitted. Floor levels signaled. Lift installation personell only permitted in shaft. The recomended shaft ventilation is 1% of its transversal section (according to 5.2.3. EN 81-1/2).

LIGHTING: minimum in the shaft 50 Lux, 1 meter above the car roof and in the shaft pit, using a lamp 0,5 m. above the pit floor and 0,5 m. under the shaft roof.

MACHINE ROOM easy access, properly ventilated, having electric lighting with 200 lux at the floor level controlled temperature between 5°C and 40°C. Flat slab and levelled, non slip and dust sealed floor, prepared to resist the existing loads.
Holes having a vertical protection (5 cm. height). Concrete in floors. Suspension hook above the hydraulic tank (according to 6.3.7. EN 81-1/2).
Doors shall not open towards inside of the room and shall be fitted with locks having keys, which can be oppened without a key from inside of the room (according point 6.3.3.1. And 6.3.3.3. EN81-1/2). Exclusive use

ELECTRIC SUPPLY: in the machine room, including statutory switches and wiring up to the control. Switches clearly identified. Main switch must be of stable position (on/off), its off position having to be fixed by way

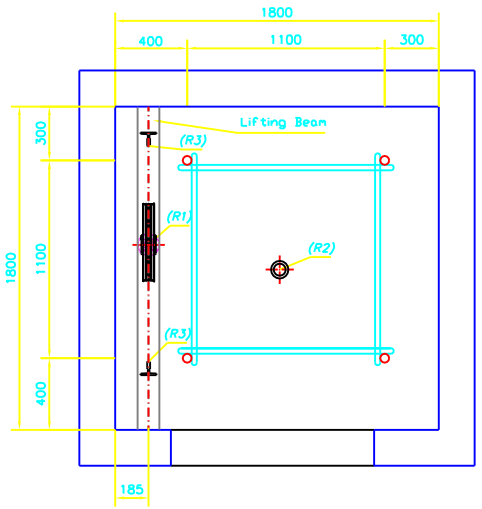
LIGHTING: 50 Lux at floor level.

EARTHING: of all the electric installation according the statutory prescriptions in the harmonizing document HD 384-5-54 S1 from CENELEC.

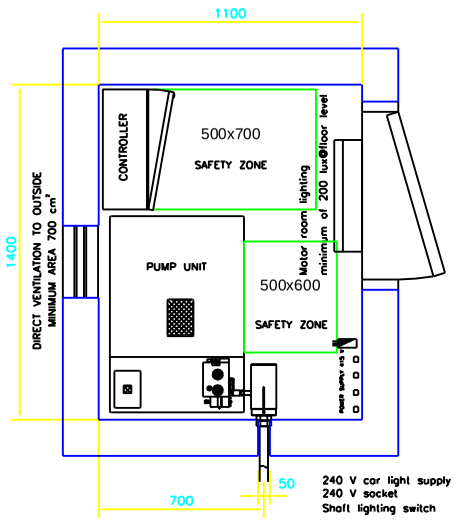
PIT the pit floor must be flat and levelled, protected against water leacking. A means of permanent access to the pit must be taken into account. Pit must be prepared to bare the loads according to drawings.

The project carries out the rules EN. 81.2
For eventual rules of local buildings (Town Council - Provincial - Regional- Firemen) the client is responsible and he will have to control the fulfillment. The present plant is developed by means of the facilitated informations and it has caused the technic documents for the achivement of our products.
EVENTUAL MODIFICATION which affect their construction, will lead to the inspection of our ORDER CONFIRMATION.

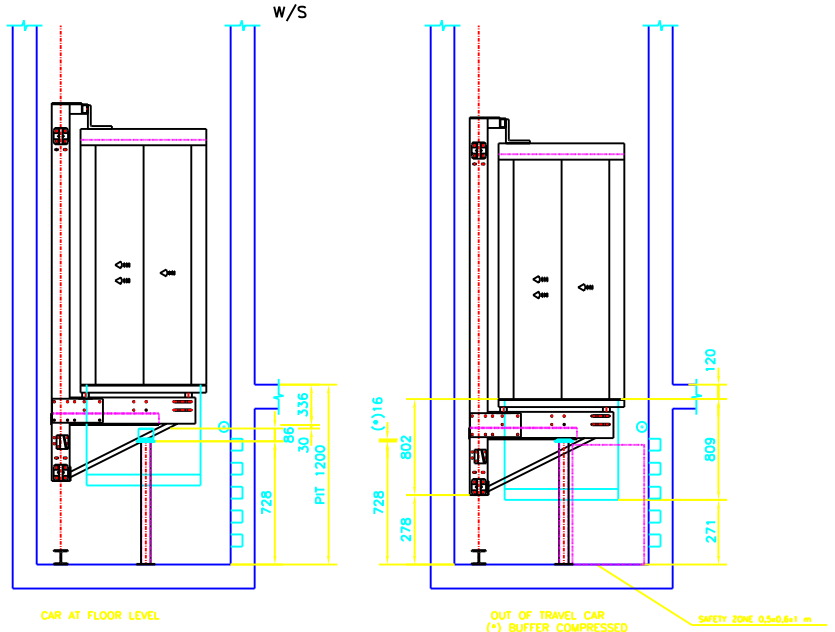
LIFTING BEAM POSITION, SCAFFOLDING AND PIT LAYOUT DETAIL
Scale 1:20



MACHINE ROOM
Scale 1:15



PIT DETAIL
W/S



FOR INSTALLATION

	DATE	NAME	CLIENT:	REFERENCE: REV.0
DRAWING	06/03/03	C.C.A.	WORK SITUATION:	
VERIFIED	06/03/03	D.C.R.		
APPROV.				

QUANTUM SERVICES

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