LOT#1: *PROVISION AND ERECTION OF STEEL STRUCTURE FOR ELEVATOR HOUSING, COMPRISING CONSTRUCTION TASKS AND CONCRETE FOUNDATION INSTALLATION*

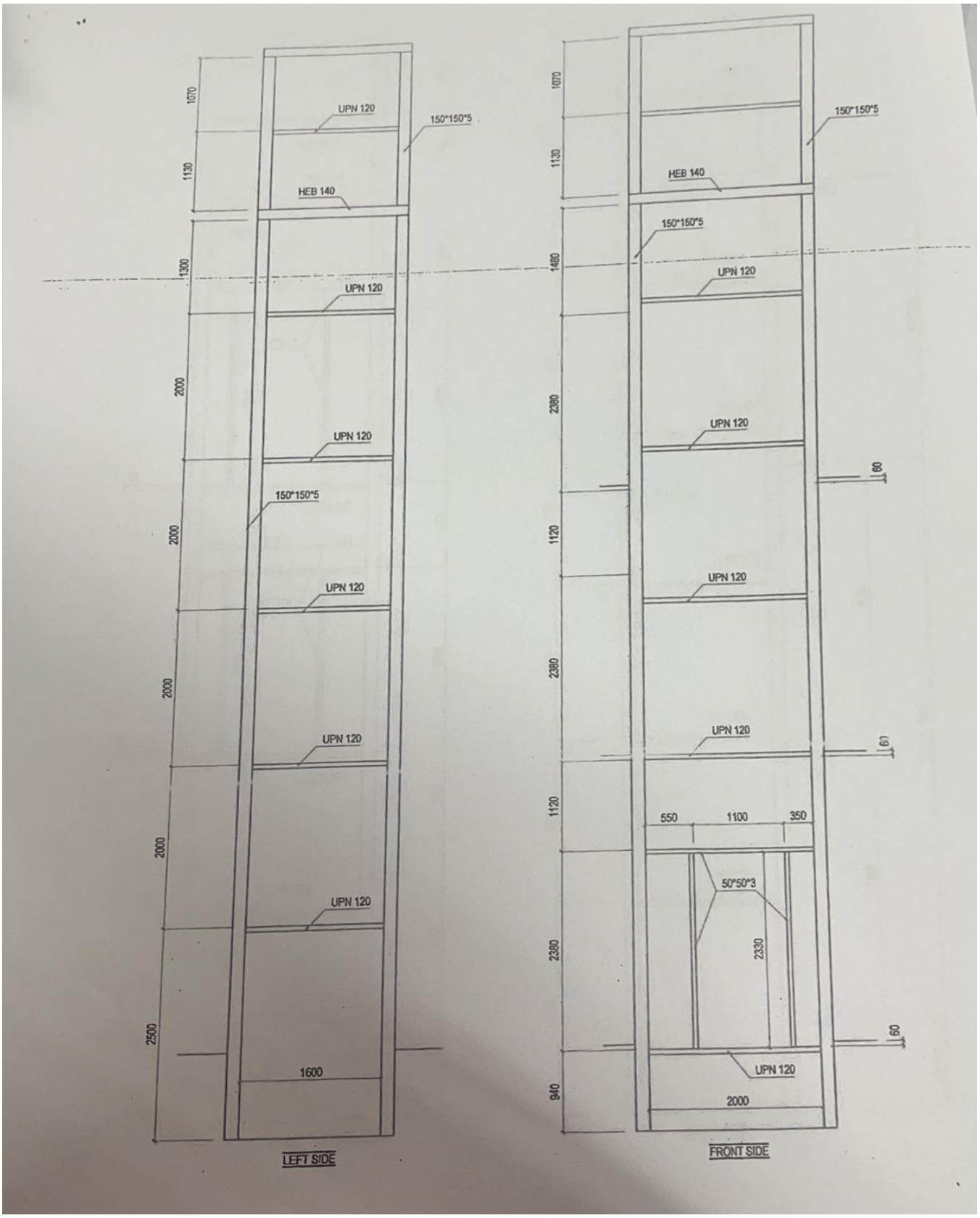
Work Description:

- **Shaft Steel Structure:** Construction of a steel structure in accordance with the provided drawings, including the installation of the "above hat" (assuming this refers to a specific element or feature).
- **Sandwich Panel (50 mm):** Installation of 50 mm sandwich panels to enclose the shaft, providing protection from water and thermal insulation.
- **Complete Alucobond Shaft Closure:** Full closure of the shaft using Alucobond panels, ensuring a finished and sealed appearance. Color to be determined later.
- **Civil Work:** Excavation and concrete work, including the installation of steel bars as part of the foundation or structural components.
- **Electrical Work:** Pulling electrical power cables from the basement to the machine room (using 4*10 mm^2 cable), installing two 4-pole breakers in the machine room, and adding sockets and lighting in the machine room.
- **Scaffolding:** Provision and installation of scaffolding for construction and access purposes.
- **Finalization and Closure around Doors:** Completion of finishing work around doors on the first floor and the roof. This may include installing tiles, trim, or other finishing materials.
- **Shaft Roof Bricks and Ladder:** Installation of bricks on the shaft's roof and the provision of a ladder for access.

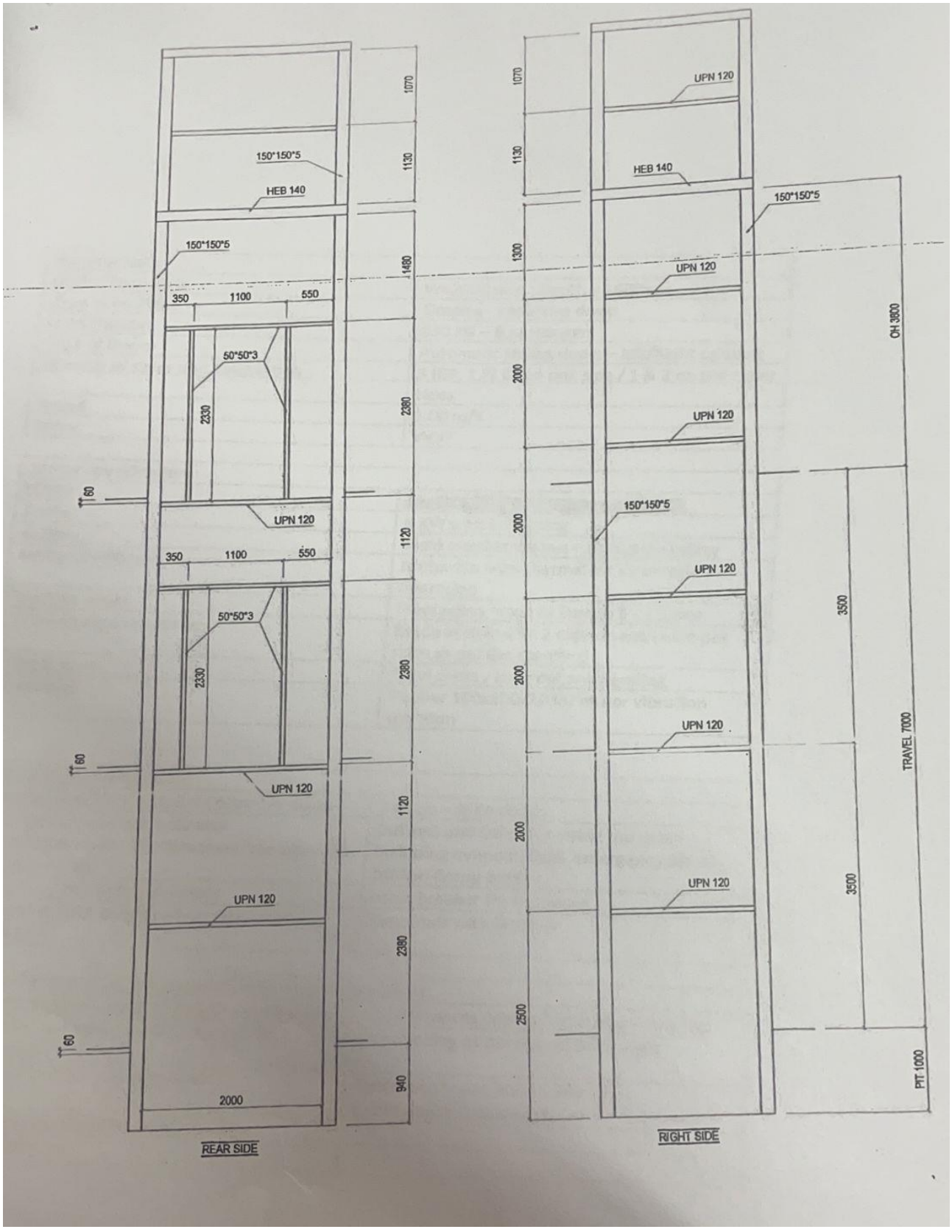
Annex 3: Detailed Specification

We have included some pictures below as visual examples of the work required

Lot #1: First Drawing



Lot #1: Second Drawing



LOT#2: *SUPPLY AND INSTALLATION OF ELEVATOR FOR LRC JEZZINE*

General Data:	
Shaft Dimensions	W=2000 mm : Depth = 1600mm
Type of control	Simplex - collective down
Load Capacity	630 KG – 8 passengers
Type of Doors	Automatic sliding doors – left/Right opening
Number of stops and designation	3 (GF, 1,2) Gf on one side / 1 & 2 on the other sides
Speed	1.00 m/s
Drive:	VVVF

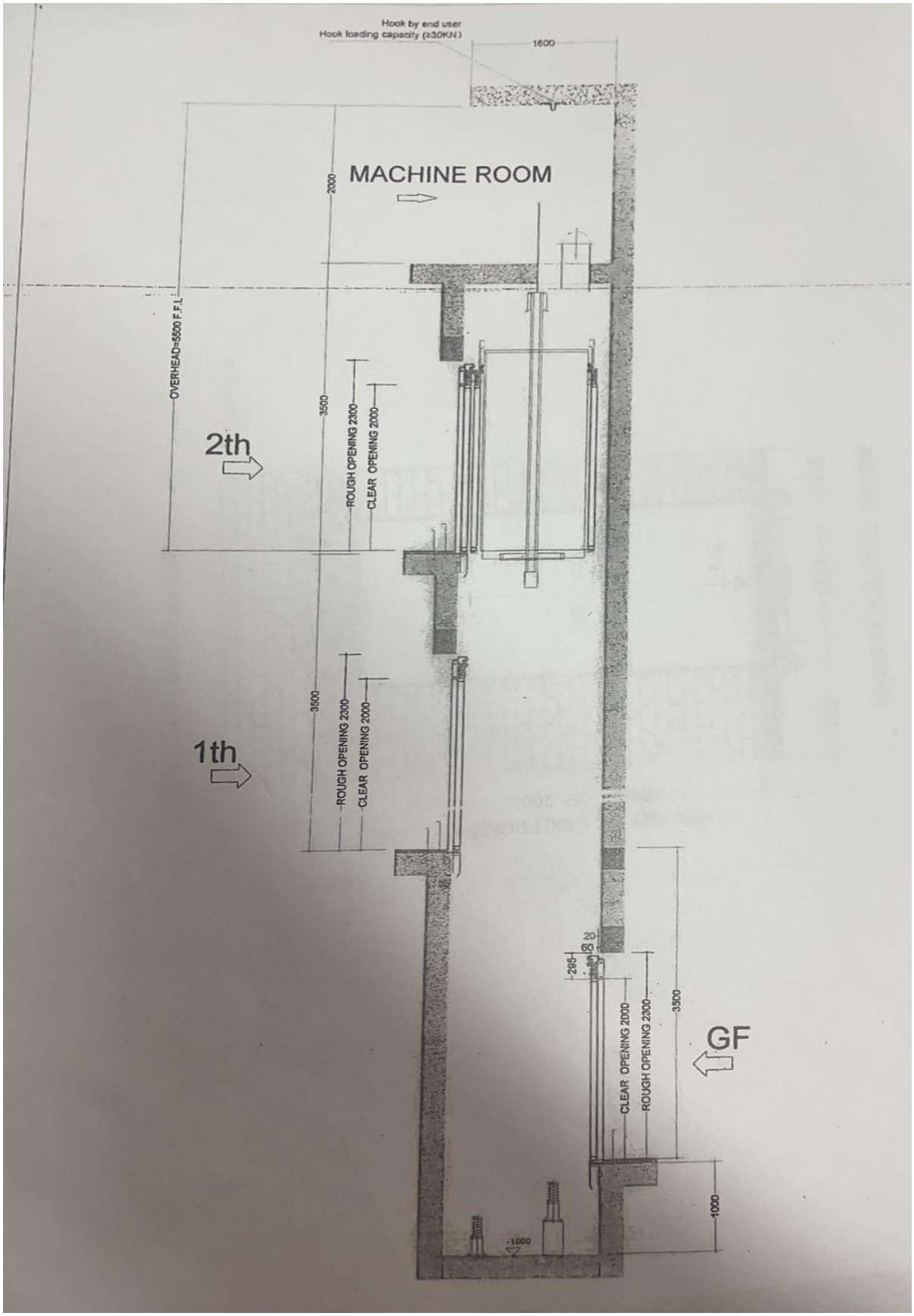
Motor specification:	
[redacted]	[redacted]
Power	6 KW with 1:1 roping
pulleys	Main traction sheave + deflection pulley
Motor ventilation	Motor fan with thermal for automatic operation
Traction ropes	Steel ropes made in Europe 5 x 10 mm
Traction ropes supports	Made in Italy with 2 clips on each side per rope as per the standard
Motor base	Steel sheet / laser cut and bending
Isolation	Rubber 100x100x20 for motor vibration isolation

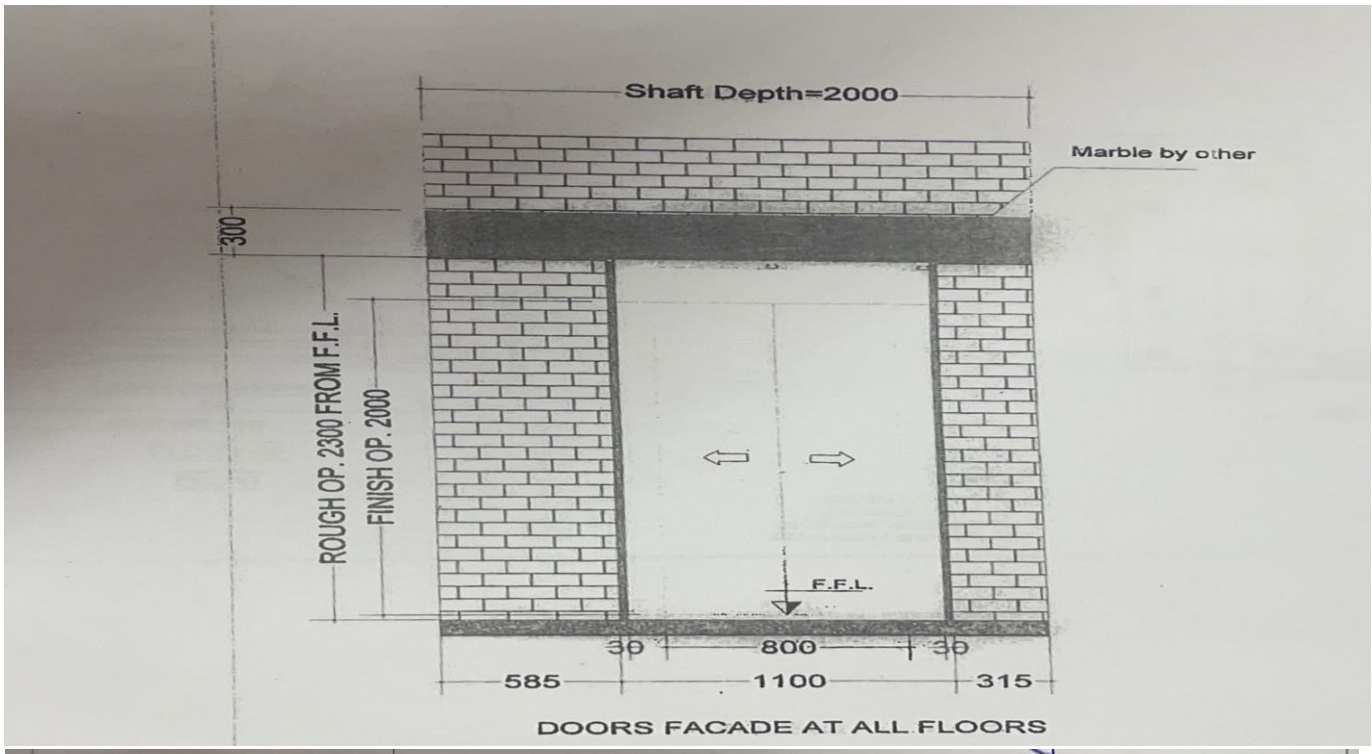
Controller specification:	
Microprocessor controller Collective down	3 stops – Auto doors
One button and one indicator on all floors with stainless steel face plate on landing doors	Buttons and indicator inside the cabin including overload light, emergency alarm button &stop button
Breakers, contactors & Relays	Main breaker three phases
New transformer with all needed output voltages	Terminals with fixation

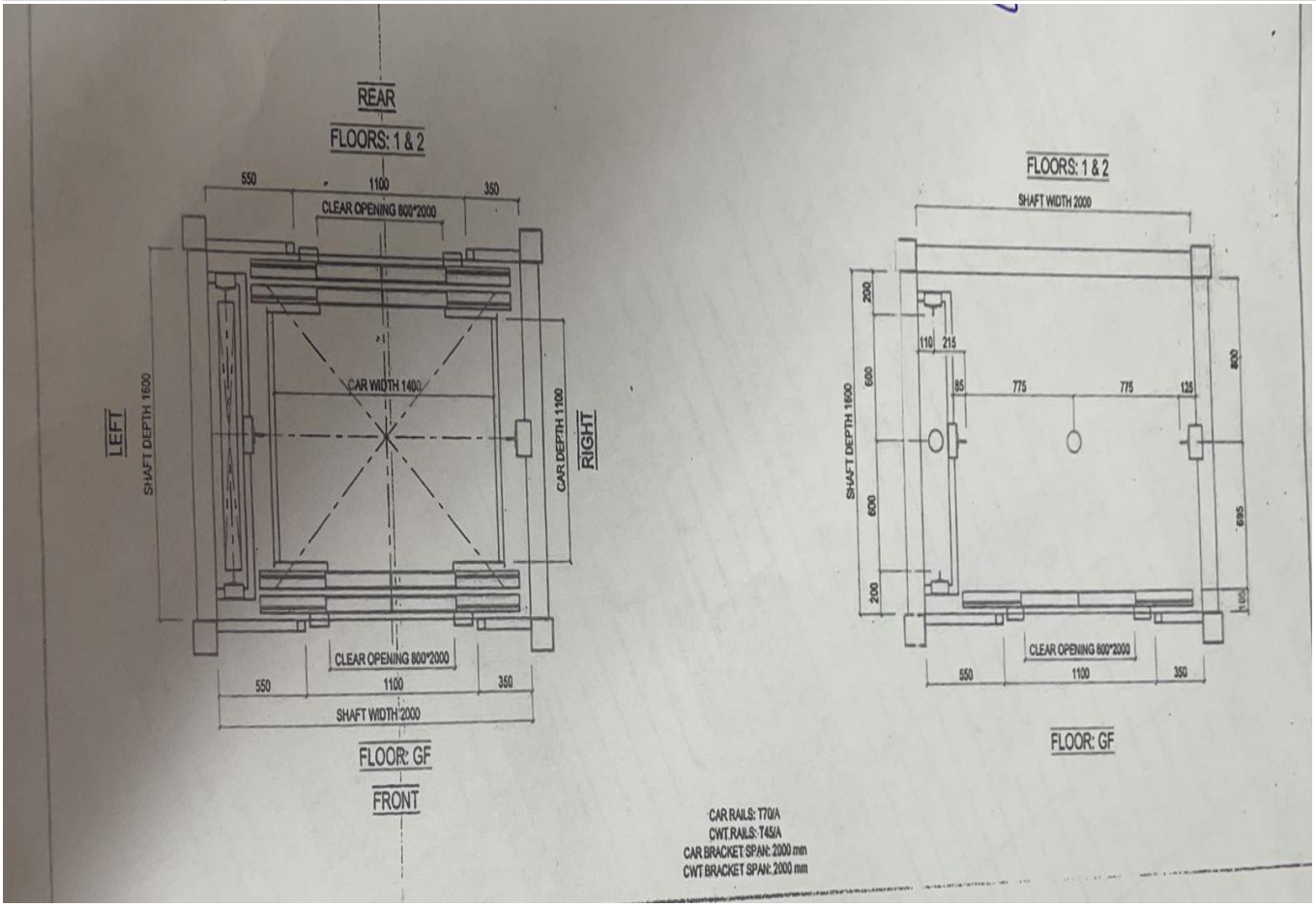
Cabin Decoration (final decoration to be defined later)	
Complete cabin made of stainless steel walls	two entrances covered with stainless steel
Handrail circular shape on side wall (if required)	False ceiling as per approved sample
Light barriers on car entrances	Cabin width would be 1.4m Cabin depth would be 1.1m
Shaft mechanical materials:	
Guide rails	

Car guide rails type	75 x62x9mm
Counterweight guide rails	50 x50x5mm
Guide rails brackets	Steel brackets for concrete walls with 12mm anchors and all accessories (clips, washers...)
Over speed governor	Up/Down direction with CE mark with safety switch, steel rope and tension device with safety switch in pit
Counterweight	Frame made of steel beams and fillers for load Guide shoes
Car frame	Made of bended steel sheet with movable guide shoes and oilers for automatic lubrication
Safety gear	UP/Down Direction with safety switch
Car and counterweight buffer in pit	Rubber type, CE Marked
Shaft electrical materials:	
One Traveling cable 20 and one 12 wires between car and controller made in Italy with brackets on guide rails	All new wiring for door locks, buttons and indicators including plastic trunks and flexible
Final limit switches on car and brackets on shaft top and bottom	All new wiring for car electrical switches and buttons of car

Landing Doors	
Automatic Doors made of steel sheet covered with hairline stainless steel with all needed accessories	Clear width W= 800mm Clear height H= 2000mm
Electrical Requirements in the Machine Room (by Others)	Socket with lighting
Breaker 3 phases + Neural + Earth	


Hook by end user
Hook loading capacity (≥30KN)
1600
MACHINE ROOM
2000
OVERHEAD=5500 F.F.L
3500
ROUGH OPENING 2300
CLEAR OPENING 2000
2th
3500
ROUGH OPENING 2300
CLEAR OPENING 2000
1th
20
60
285
CLEAR OPENING 2000
ROUGH OPENING 2300
3500
GF
1000
-1000


Shaft Depth=2000
Marble by other
300
ROUGH OP. 2300 FROM F.F.L.
FINISH OP. 2000
F.F.L.
30
800
30
585
1100
315
DOORS FACADE AT ALL FLOORS


REAR
FLOORS: 1 & 2
550
1100
350
CLEAR OPENING 800*2000
CAR WIDTH 1400
LEFT
SHAFT DEPTH 1600
CAR DEPTH 1100
RIGHT
CLEAR OPENING 800*2000
550
1100
350
SHAFT WIDTH 2000
FLOOR: GF
FRONT
FLOORS: 1 & 2
SHAFT WIDTH 2000
200
600
600
200
110
215
85
775
775
125
800
695
SHAFT DEPTH 1600
CLEAR OPENING 800*2000
550
1100
350
FLOOR: GF
CAR RAILS: T70/A
CWT RAILS: T45/A
CAR BRACKET SPAN: 2000 mm
CWT BRACKET SPAN: 2000 mm

Real Picture for the Site: