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GLE CASE STUDY | 2020

Heathrow Airport









Introduction

One of our best clients presented us another challenge, which was to supply a hydraulic CAR LIFT FOR ARMORED CARS to be installed in the brand new Terminal 5 of the Heathrow Airport in London. This is to be intended as a typical hydraulic car lift but for these special cars for VIP people.

- The 5.000 kg lift travels at 0.5m/s, serves 4 floors and 21m.
- G.M.V. Telescopic piston hydraulic equipment.
- The car is 6,600 (w) X 3,000 (d) X 3,500 (h) mm.
- The doors are Wittur 6 panels centre openign 2600 (w) X 2400 (d)

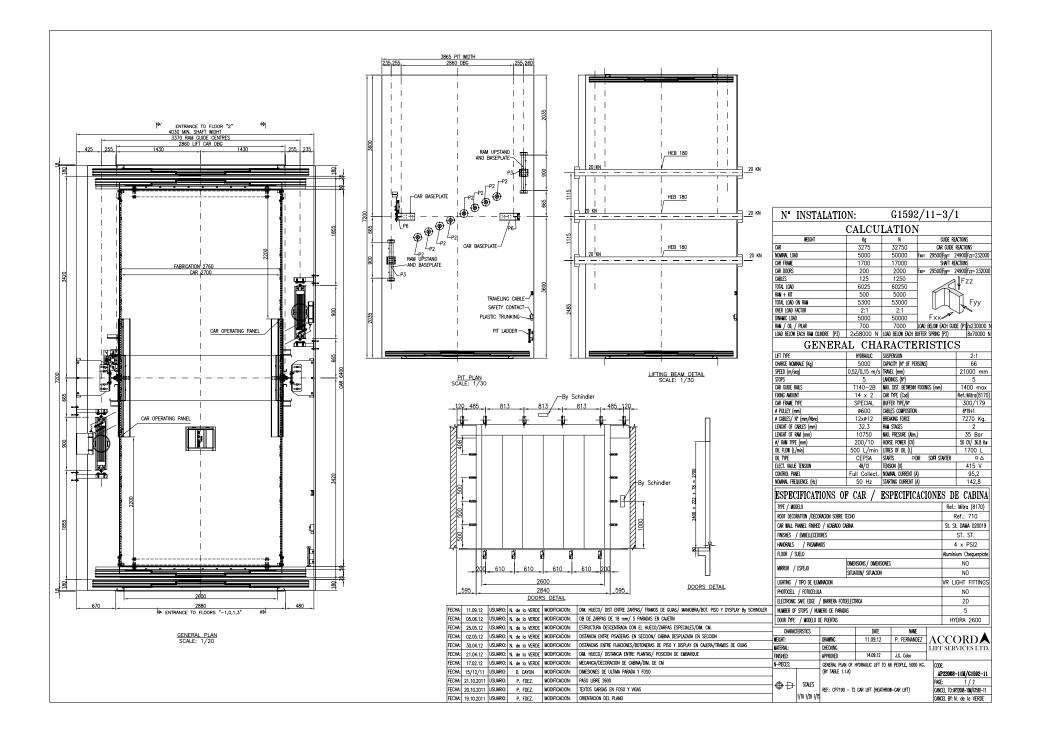
After it was carefully designed, the overall manufacture took 12 weeks and the result is a top quality equipment, ready to safely transport armored cars in the VIP area of the Terminal 5.

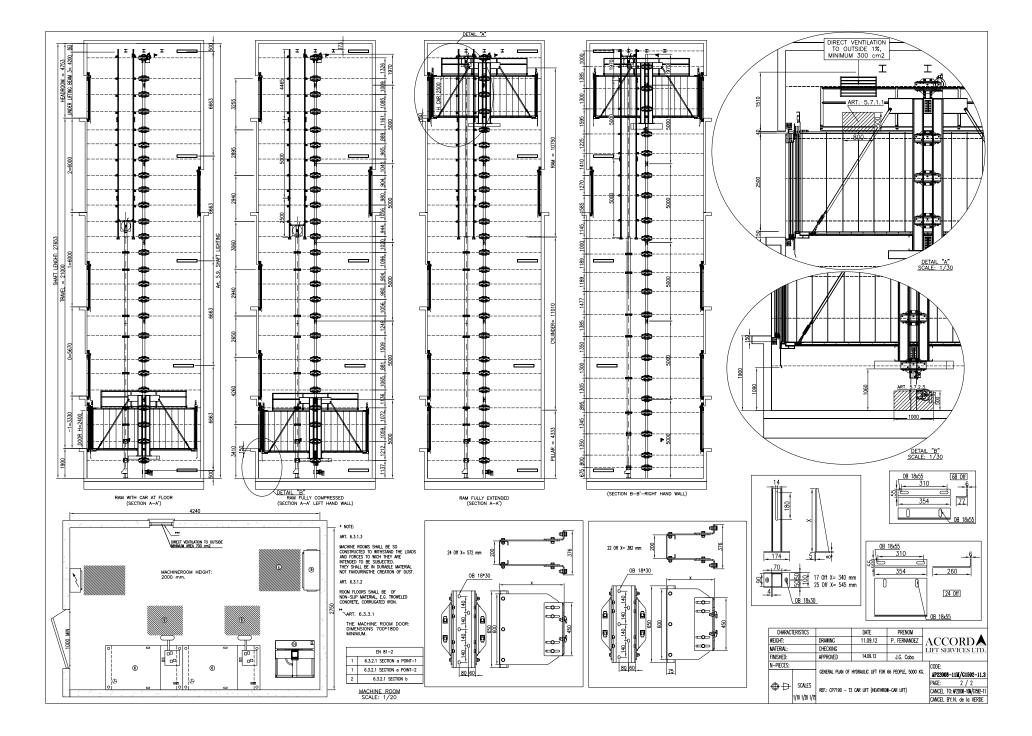






























TECHNICAL DATA

ROPING RATIO	INDIRECT ACTING
LOAD CAPACITY	5000 KG
TRAVEL DISTANCE	21000 mm
NUMBER OF STOPS	5 DOUBLE ENTRANCE 1800
SPEED	0.5 M/S
LIFT CAR DIMENSIONS PANELS COPS PUSHES SAFETY EDGE	CAR LIFT 2700X6400X2500 MM STAINLESS STEEL DAMA FROM STEEL COLOR REINFORCED STEEL DMG CEDES
LIFT CAR FRAME ROPING RATIO	SPECIAL FOR CAR FRAME 2:1
MAIN CHARACTERISTICS MAX SPEED MAX PASSENGER LOAD MAX DUTY LOAD	P+Q 10500 KG 0.5 M/S N/A 500 KG
CAR GUIDE RAILS MAKER TYPE	SAVERA T140-2/B
HYDRAULIC MAKER NUMBER OF PISTONS NUMBER OF POWER UNITS POWER STARTING CURRENT (SS) RUNNING CURRENT	G.M.V. HYDRAULICS 2 36.8 kw 85 A 95 2 A



LANDING DOORS MAKER TYPE CLEAR OPENING TRACKS	WITTUR HYDRA SUPRA REINFORCED STEEL
LIFT CAR DOORS MAKER	WITTUR
TYPE CLEAR OPENING TRACKS	HYDRA SUPRA 2600X2400 MM 5615X3000 MM
BUFFERS MAKER MODEL NUMBER MAX.STRENTGH	ACLA 300.179 4 15.5 KN
PAWL DEVICE	YES
VOLTAGE	415 VAC 50HZ
SHAFT LIGHTING VOLTAGE	220 VAC 50 HZ
CONTROL SYSTEM	ALTAMIRA
APLICABLE STANDARDS	EN81-20 EN81-28 EN81-73