PROJECT SPECIFICATIONS – AUTOBAY @ KAKI BUKIT

STRUCTURE
Reinforced Concrete/ Post-Tensioned structure on bored / RC pile.

FLOOR LOADING
(a)Type A 1st storey workshop : 10.0 kN/sqm
(b) Type A 2nd storey workshop : 7.5 kN/sqm
(c) Type A Mezzanine Office : 5.0 kN/sqm
(d) Type B workshop : 12.5 kn/sqm
(e) Type B mezzanine office : 5.0 kN/sqm
(f) Carpark : 5.0 kN/sq m
(g) Driveways : 5.0 kN/sq m
(h) Ramp : 5.0 kN/sq m

CLEAR HEADROOM / CEILING HEIGHT
1. Type A1- A8, A16 Workshop:
(a) 1st storey: 4.5m / 2.5m [below mezzanine]
(b) 1st mezzanine storey: 2.5m
(c) 2nd storey: 4.5m / 2.5m [below mezzanine]
(d) 2nd storey mezzanine: 2.5m

2. Type A9- A15 Workshop:
(a) 2nd storey: 4m

3. Type B1- B4 Workshop:
(a)1st storey : 8m / 5m [below mezzanine]

ROOF
Metal roof on structural steel frame
Waterproof RC panel roof for car park at 2nd storey.

WINDOWS
Aluminium anodized sliding windows And/or casement window . Aluminium anodized louvred vent window.

DOORS
Mezzanine office : Fire rated timber door at office entrance.
Workshop area : Non-fire rated heavy duty Zincalume roller shutter / door.
Non Fire rated timber door

EXTERNAL WALL
Cement and sand plaster with emulsion paint on pre-cast concrete wall

INTERNAL WALL (Pre-cast concrete wall & lightweight concrete blocks)
Workshop area & wash bay in workshop area : cement and sand plaster with washable paint at 2.2m and emulsion paint above.

Mezzanine Office : cement and sand plaster with emulsion paint

Toilets : glazed wall tiles

Lift Lobby : glazed wall tiles
Canteen : glazed wall tiles

FLOOR
Office in workshop : Concrete slab with screed
Workshop area : RC Slab with Protective Coating
Lift Lobby : non-slip homogeneous tiles
Toilet : non-slip homogeneous tiles
Canteen/ information Centre: non-slip homogeneous tiles

FLOOR
Driveway : concrete slab
Roof deck carpark : concrete slab
Ramp : concrete slab

SANITARY INSTALLATION
Central oil interceptor at each block.
Good quality sanitary ware and fittings.

ELECTRICAL INSTALLATION
Design load per unit:

(a) 100 amps/3-phase – Spray unit workshops

(b) 60 amps/3-phase Standard workshops

LIFTS
Goods cum Passenger. 2 units –1020 Kg (15 person) lifts serving 1st to 2th storey

CATV
CATV points available for connection from service ducts

FIRE PROTECTION
Automatic Fire Alarm System
Fire Hosereels System
Fire Extinguishers

CAR PARKING
Common car park as follows:
1st storey : 26 car lots + 2 handicap car park + 10 motorcycle lots + 24 heavy vehicle lots
2nd storey: 91 car lots

Total inspection bays for Type A:
342 vehicle inspection lots
2 vehicle inspection lots at each Type A1 – A8 Workshop
3 vehicle inspection lots at each Type A9 – A12, A16 Workshop
4 vehicle inspection lots at each Type A13 – A15 Workshop

Total Provision
Clear Height for driveway:
(a) 1st storey: 4.5m [main driveway] / open to sky [backlanes]
(b) 2nd storey: open to sky [main driveway]