

## **Puzzle Parking System Specifications (Vertical):**

### **Structure:**

- 1- All steel structure, structural items and platforms should be painted with corrosion resistant undercoat and paint or Galvanized
- 2- Load Capacity : 2500kgs/platform
- 3- 5 Level above ground (pit less)
- 4- Minimum 30 cars/jeep and maximum of 35 per system
- 5- Completely sealed platforms to prevent drip through.
- 6- Roofing should be as part of the structure.
- 7- Structure warranty should not be less than 15 years
- 8- Parts warranty should not be less than 5 years

### **Operation:**

- 1- Fully automatic
- 2- Lifting & Lowering by Hydraulic Cylinder (in case of hydraulic operation) or by Electric Motor Chain Drives (in case of motorized operation)
- 3- Able to use access cards to use the service, PLC(programmable logic **controller**) controlled (user friendly)
- 4- High operational fluency
- 5- Low maintenance
- 6- Energy efficient
- 7- Low noise pollution
- 8- Longer service life
- 9- Independent parking and installation flexibility
- 10- Separate entry and exit
- 11- Retrieving a car should take a maximum of 180sec
- 12- Emergency Stop Push Button.
- 13- Mechanical safety locks.
- 14- 24v DC control circuit.
- 15- Input supply: 3 phase A.C. supply.