

NO.

DATE

21 Oct 2026

CUSTOMER

PROJECT

Pariwar Pearl

Elevator Specification

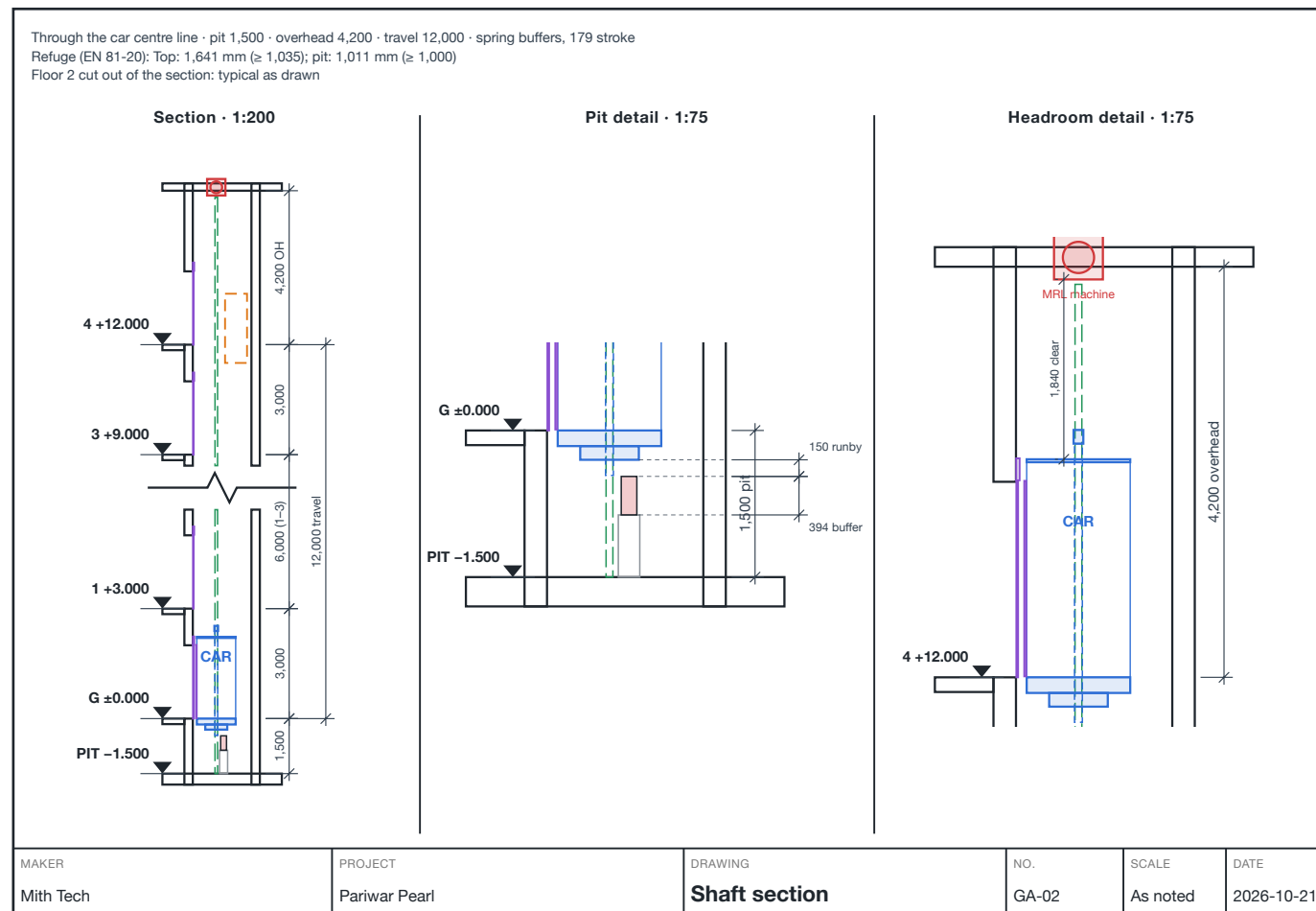
BASIC INFORMATION		DETAILS OF SPECIFICATION
1	Installation address	Pariwar Pearl
2	Type of elevator	Passenger (IS 14665 Pt 1)
3	No. of elevators	One
4	Model & machine room location	MRL / Gearless (machine on rails in the headroom)
5	Capacity & load	6 persons (408 kg)
6	Lift speed	1 m/s
7	No. of floors / stops	5 stops: G, 1, 2, 3, 4
8	No. of openings & entrance	5 openings: 5 front
9	Type of car door	Automatic centre opening
10	Type of landing door	Automatic centre opening
11	Landing door finish	SS hairline, narrow jamb frame
12	Type of cabin	SS hairline finish, cabin back side mirror finish
13	Floor type	PVC mat finish
14	False ceiling	SS false ceiling with LED spots
15	Car & landing indicator	7 segment wall mount
16	Hall fixtures	Surface LOP, up and down buttons
17	Car operating panel	One panel, half height, 7-segment display, round buttons
18	Control system	Full collective
19	Motor drive control & motor type	Monarch controller, VVVF & Montanari gearless PM machine, 3.7 kW
20	Roping & ropes	2:1 underslung (two pulleys under the car), 3 × Ø8 mm ropes on a Ø320 mm sheave, safety factor 12
21	Guide rails	Marazzi: car T70-1/B (70 × 65 × 9 mm, 8.65 kg/m), counterweight T50/A (50 × 50 × 5 mm, 3.15 kg/m); brackets ≤ 1,500 mm apart; oil lubricators on the car shoes
22	Guide shoes	Sliding guide shoes with nylon liners
23	Load weighing	Under-platform load-weighing sensor; overload buzzer and no start above 110 % of rated load
24	Safety gear & buffers	Progressive safety gear on the car; spring buffers, 179 mm stroke
25	Limit switches	Normal and final limit switches at both ends, worked by a cam on the car (normal 50 mm, final 140 mm past the end landing)
26	Counterweight	Side, cast iron filler, 919 kg
27	Power supply required	415 V, 3-phase, 50 Hz & 230 V, single phase, 50 Hz
28	Shaft size / well available (mm)	1800 (W) × 1600 (D) (minimum)
29	Shaft construction	RCC frame with brick infill (civil works by customer)
30	Car / cabin size (mm)	1100 (W) × 1000 (D) × 2200 (H)
31	Door opening size (mm)	700 (W) × 2000 (H)
32	Over head room (mm)	4200 mm (required)
33	Pit depth (mm)	1500 mm (required)
34	Refuge & clearances (EN 81-20)	Top: 1,641 mm (≥ 1,035); pit: 1,011 mm (≥ 1,000)
35	Pit	Ladder, stop switch, light and socket; drain to a sump with grating
36	Shaft vent	Louvred vent at the top, 500 × 200 mm (0.10 m², typical: check local fire rules)
37	Suspension	Steel wire ropes 8×19 fibre core, Usha Martin
38	Brake & encoder	Twin electromagnetic brakes on the PM machine, each holding the loaded car alone, with release-monitoring microswitches and a manual release lever; absolute (sin/cos) encoder on the shaft end
39	UCMP device	Machine brakes as the stopping element, with brake monitoring (EN 81-20 5.6.7)
40	Compensation	None

Plan at the G landing - shaft 1,800 × 1,600 mm internal, walls 230 mm
Car 1,100 × 1,000 internal - rails car T70-1/B, cwt T50/A - counterweight side, 919 kg

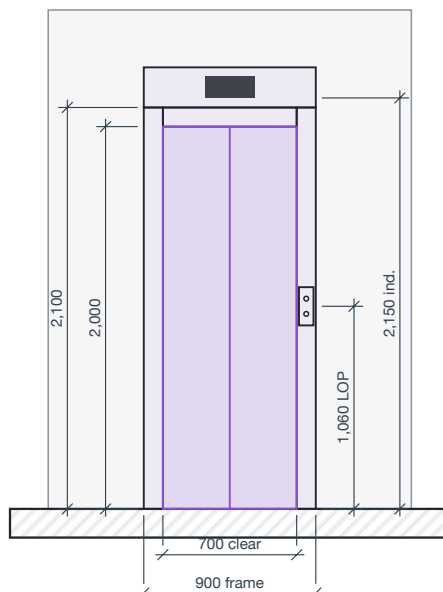
The diagram shows a front view of a shaft car and counterweight assembly. The shaft car is a blue rectangle with dimensions 1,100 mm width and 1,000 mm height, labeled "CAR 1,100 × 1,000". It is positioned within a larger rectangular frame representing the shaft. The shaft dimensions are 1,800 mm width and 1,600 mm height. The car is offset from the top and bottom of the shaft. The counterweight (CWT) is an orange rectangle located to the left of the car, with a height of 430 mm. The rails are labeled "T70-1/B". The dimensions of the shaft and car are indicated by dimension lines. The shaft width is 1,800 mm, with a 700 mm clear space between the car and the shaft walls. The shaft height is 1,600 mm, with a 1,060 mm clear space between the car and the shaft walls. The car width is 1,100 mm, with a 290 mm offset from the left shaft wall and a 350 mm offset from the right shaft wall. The counterweight height is 430 mm, with a 110 mm offset from the bottom shaft wall. The shaft walls are 230 mm thick.

▲ FRONT · G LANDING

MAKER	PROJECT	DRAWING	NO.	SCALE	DATE
Mith Tech	Pariwar Pearl	Shaft plan	GA-01	1:40	2026-10-21



Landing door from the lobby · Automatic centre opening · narrow jamb frame
Indicator seg7 · LOP surface, up + down



MAKER	PROJECT	DRAWING	NO.	SCALE	DATE
Mith Tech	Pariwar Pearl	Landing door elevation	GA-03	1:40	2026-10-21

Commercial terms and compliance

BASIC INFORMATION		TERMS
1	Standards and codes	IS 14665 (Parts 1 to 5); NBC 2016 Part 8 Section 5
2	Lift licence	Karnataka Lifts, Escalators and Passenger Conveyors Act, 2012: licence to erect and to operate from the Electrical Inspectorate, applied for by Mith Tech, fees paid by the customer
3	Warranty	12 months from handover, against manufacturing defects
4	Free service	12 months of free preventive maintenance from handover (monthly visits, 24 h breakdown call)
5	AMC after free service	Non-comprehensive: visits and labour; parts charged as used; 12 visits a year
6	Delivery	12 weeks from the advance, approved drawing and a ready shaft
7	Payment terms	40% advance with the order, 50% before dispatch of materials, 10% on handover
8	Civil works	By the customer: shaft 1800 × 1600 mm plumb to ±25 mm, pit 1500 mm waterproofed, overhead 4200 mm, lifting hook at the shaft top, door openings, grouting and making good
9	Electrical works	By the customer: 415 V 3-phase and 230 V supply with MCCB and ELCB up to the controller, two earth pits, shaft and headroom lighting
10	Taxes and validity	GST extra as applicable at 18 %; offer valid 30 days

Special features in our lifts towards safety and comfort

1. ARD – automatic rescue device
2. VVVF drive – accurate levelling with riding comfort
3. Stainless steel false ceiling with LED lights
4. False ceiling architectural design
5. Fan automatic on & off
6. UPS / battery emergency light & alarm
7. Direction and position indicator
8. Square matrix display
9. Full-length infra-red safety screen, 154 beams
10. Welcome voice announcer
11. Over speed governor
12. Buffer springs for car and counterweight
13. Warranty period of one year
14. Music system (running time)
15. Floor announcer
16. Power failure announcer
17. Free preventive maintenance 12 months from handover
18. Attendant service mode
19. Fire fighter mode
20. Call priority service mode
21. Panic evacuation mode
22. Call cancellation by double press
23. Direct landing – shortens travel time
24. Dimensions as per IS 14665:2000
25. Overload indicator with buzzer
26. Energy saving: light and fan sleep
27. Load-weighing device under the platform
28. Hoist beam and hook over the machine
29. Rail lubricators on the car (sliding guides)
30. Pit drain to a sump with grating
31. Shaft vent at the top

For Mith Tech

Customer Sign & Stamp

AUTHORISED SIGNATORY

NAME, DATE AND SEAL

Car and shaft sizes follow the IS 14665 passenger table; pit, overhead, ropes, motor rating and counterweight are typical figures from the model and are confirmed on the general arrangement drawing.

MITH.TECH · MITH TECH · BENGALURU, INDIA · MANOJ@MITH.TECH · +91 90087 70738