



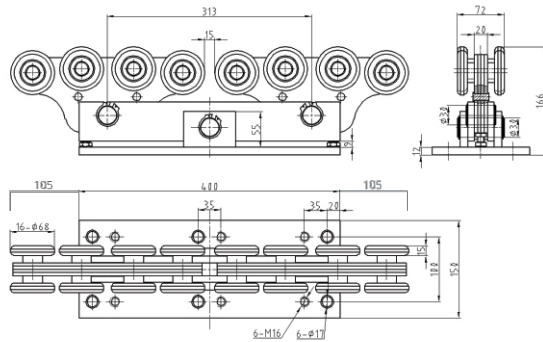
Automation Systems
AUSTRALIA

C16M 16 WHEEL CANTILEVER SYSTEM

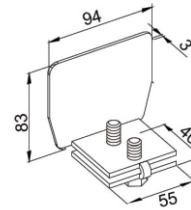
Max. Opening Size 8 Meters
Max. Gate Dead Weight 900KG
Gate Height Loss 166mm

Hardware Dimensions

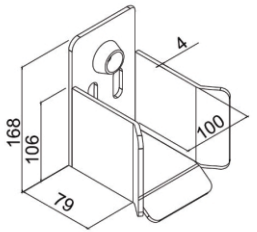
Cantilever Carriage
Wheels



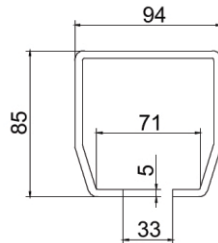
End Cap



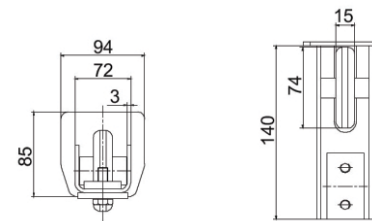
Top Catcher/Resting Point



Cantilever Channel



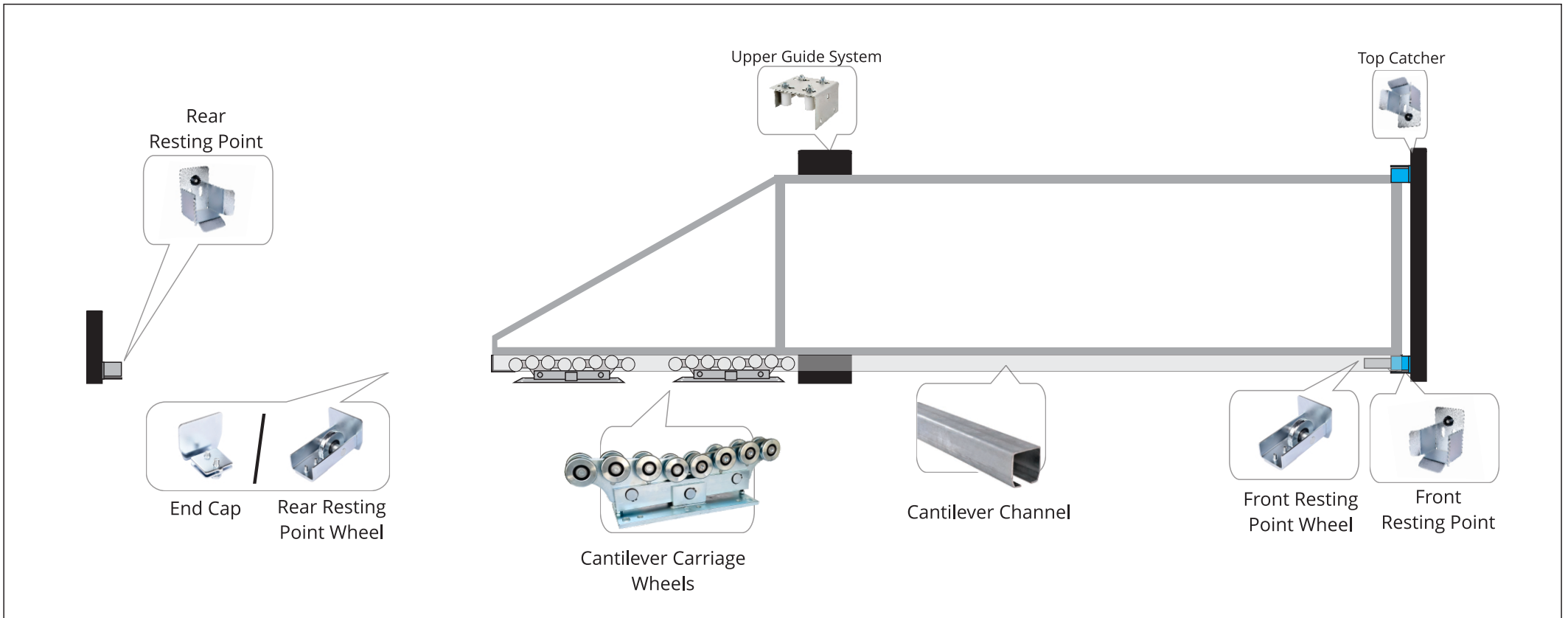
Front Resting
Point Wheel



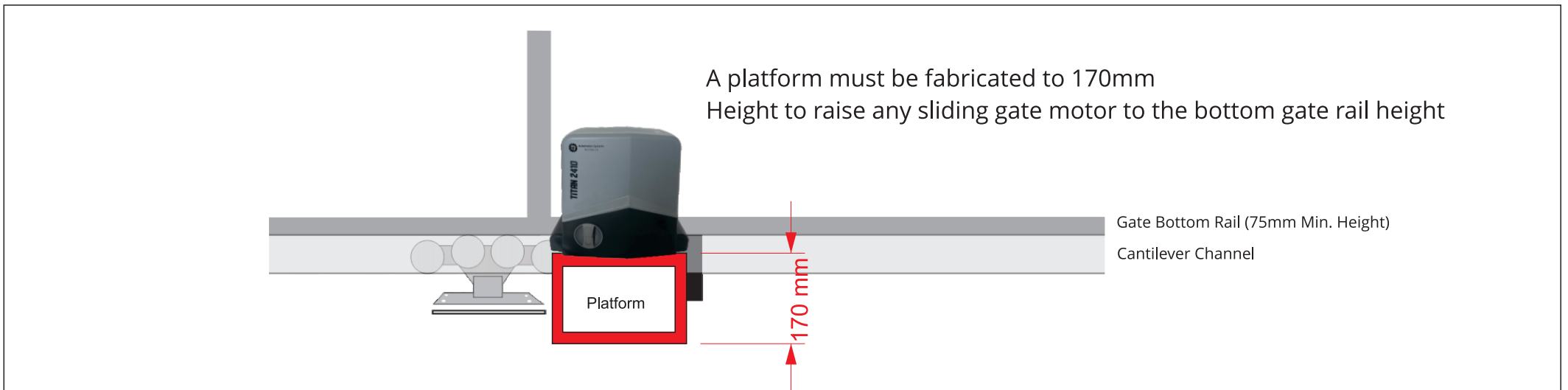
Brief

- 1: Pour the concrete foundation and allow cure time
- 2: Install the carriage base plates to the concrete foundation with the appropriate L2 Measurements
- 3: Install the carriages to the base plates and ensure they are perfectly level to one another, a section of cantilever channel can be used to make the adjustment.
- 4: Install the Upper guide roller system then install the gate in place
- 5: Install all resting points, guide wheel, top catcher and end caps

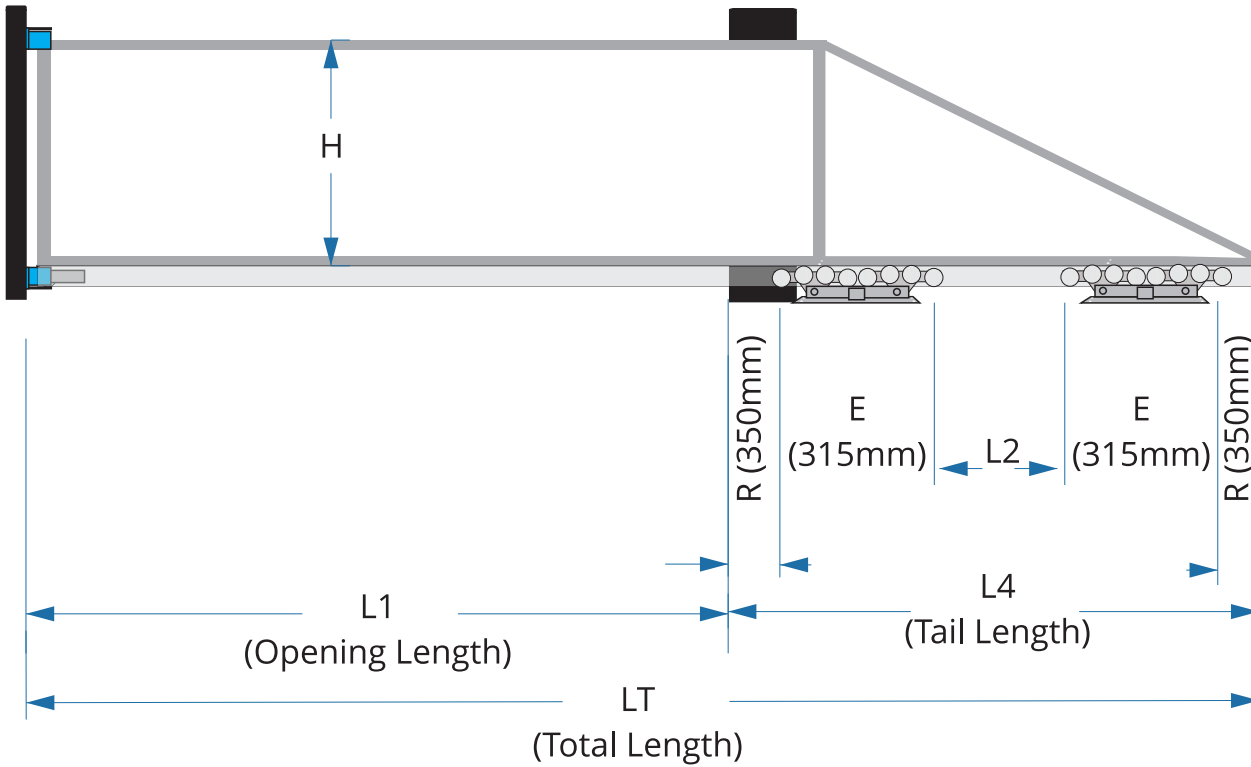
General Layout



Platform



Calculations



Dimensions Formula

L1 is the on-site opening size

L2 (Trolley BASE end to trolley BASE start) is typically 30% of **L1** (Opening Length) + an additional 300mm

Working out the Tail Length **L4 = L2 + (E+E+R+R)**

Total Length (**LT**) = **L1 + L4**

Formulated Examples

GATE					BASE				
L1	L2	L4	LT	E	CAPACITY	A	B	C	BASE WEIGHT
ML	ML	ML	ML	MM	Kg	ML	ML	ML	Kg
5	1.8	3.13	8.13	315	900	3.13	0.6	0.5	2000
6	2.1	3.43	9.43	315	800	3.43	0.6	0.5	2190
8	2.7	4.03	12.03	315	700	4.03	0.6	0.5	2600

General Rule Base for Trolley System

see formulated examples for best suited

