

**WATER SUPPLIES DEPARTMENT**  
**STANDARD SPECIFICATION E-71-07**  
**WEIGHING SCALE FOR CHLORINE CONTAINERS**

1. **WEIGHING SCALE FOR CHLORINE DRUM**

One weighing scale shall be provided for each drum connected to the system. Each weighing scale shall have a trunnion set mounted on the platform. The trunnion shall have 4 castors for convenient rotation of the drum. Arrangement of the trunnion set on weighing platform is shown at **Appendix I**. The weighing scale indicator may be of the dial or digital type with a span of 2 tonne. The scale resolution shall not be more than 5 kg.

2. **WEIGHING SCALE FOR CHLORINE CYLINDERS**

Two banks each of 5 x 50 kg chlorine cylinders shall be connected together to form a single draw-off unit for chlorine gas withdrawal. One bank of the cylinders shall be served as duty and the other as standby. To facilitate ease of handling and transportation, a cage capable of holding 5 chlorine cylinders will be used. Weighing scale shall be provided for each bank of cylinders of the draw-off unit. The weighing scale indicator may be of the dial or digital type with span of 1.0 tonne and a resolution better than 2 kg.

The platform of the weighing scale shall be suitable for the placement of the cage whose dimensions are 1450 mm (L) x 315 mm (W). A general arrangement of the cage and the weighing scale is shown at **Appendix II**.

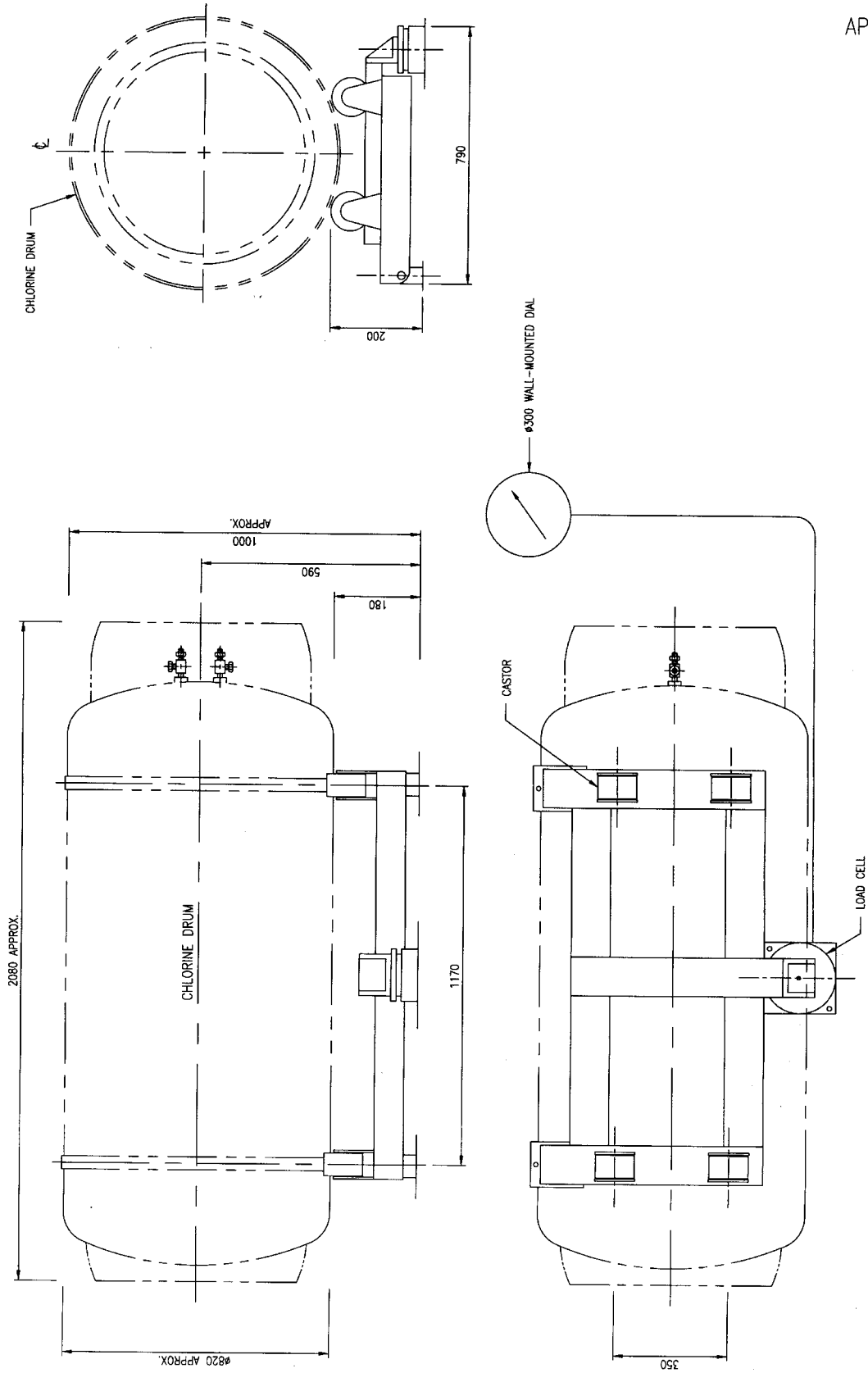
The weighing scale shall be fitted with stainless steel tray for collection of condensed water. The water collected shall be piped to the nearest drain.

3. **DESIGN**

The weighing scale shall operate on electric or hydraulic load cell with separate wall/stand mounted indicator. The electrical load cell system shall be suitable for a supply of 220V 50 Hz. The load cell shall withstand shock loading up to 10 times its measuring range.

The dial indicator shall be not less than 300 mm in diameter. The scale units shall be in kilogram (kg). Digital gauge shall have a display character height not less than 25 mm. The accuracy of the measuring system shall be 0.25% of the instrument span.

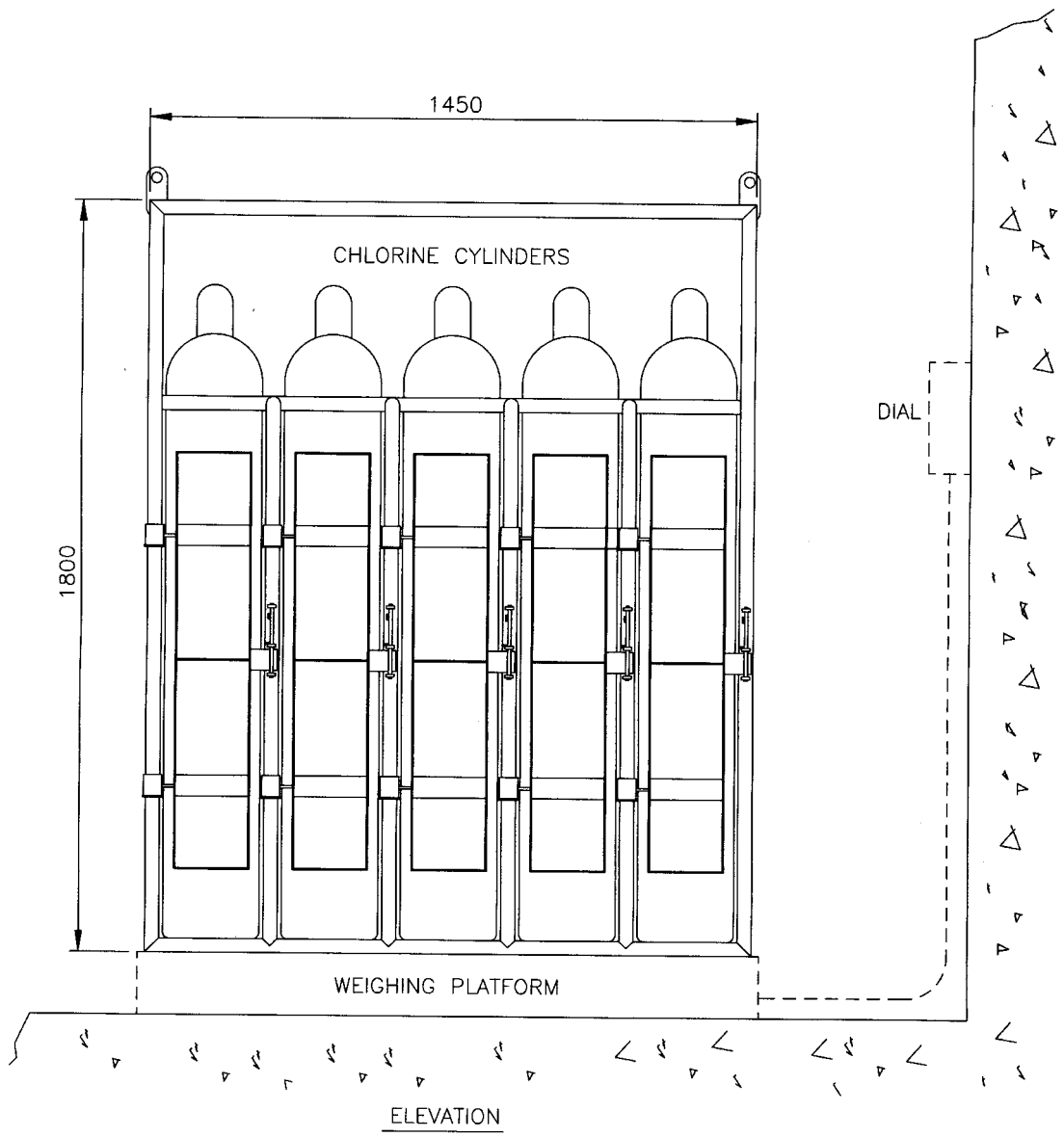
APPENDIX I



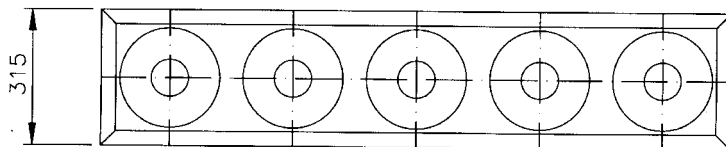
ARRANGEMENT OF TRUNNION SET  
N.T.S.

S4015/100

APPENDIX II



ALL DIMENSIONS IN mm.



CAGE FOR 5 OFF 50KG CHLORINE CYLINDERS

S4015/04

- End of this Specification -

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