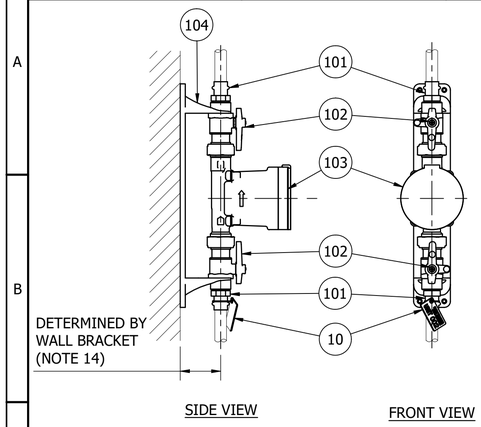
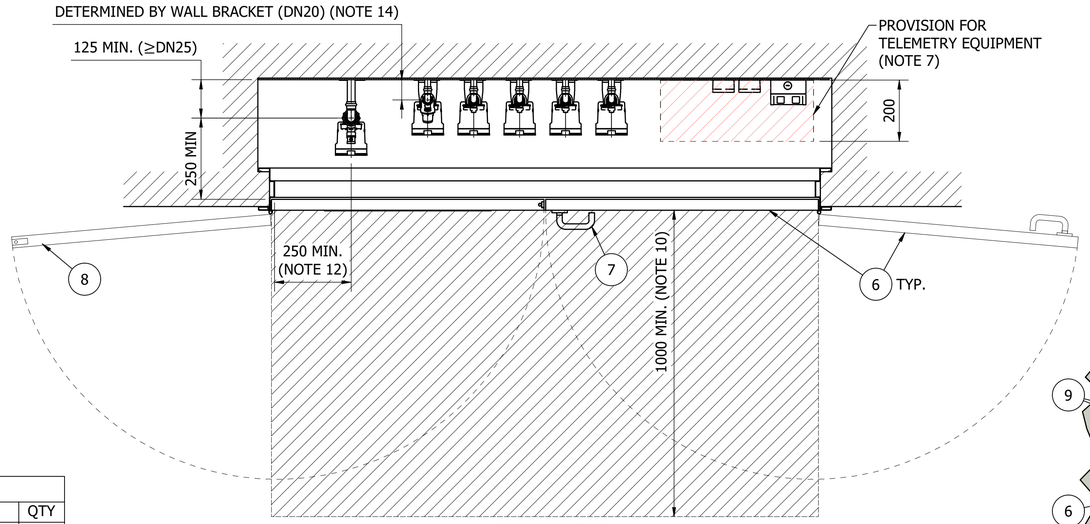


TYPICAL DN20 METER

SCALE: 1:5

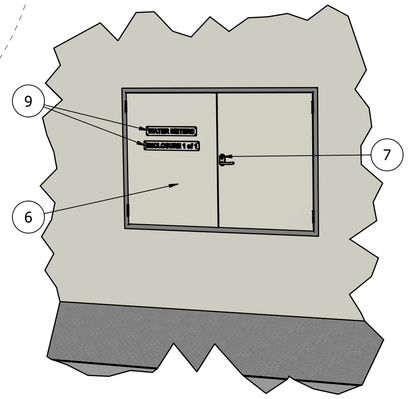
DN20 METER SUB-ASSEMBLY		
ITEM	DESCRIPTION	QTY
101	ADAPTOR MI (BSP) x PRESS FIT	2
102	BALL VALVE, FI (BSP) x METER NUT, LOCKABLE - ICON WATER APPROVED	2
103	WATER METER - ICON WATER APPROVED	1
104	METER WALL MOUNT BRACKET (REFER ICON WATER APPROVED PRODUCTS LIST)	1



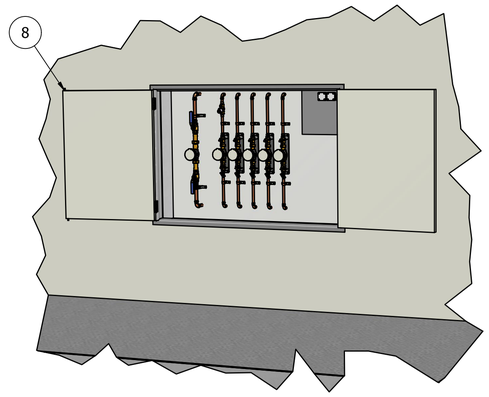
PLAN VIEW

SCALE: 1 : 10

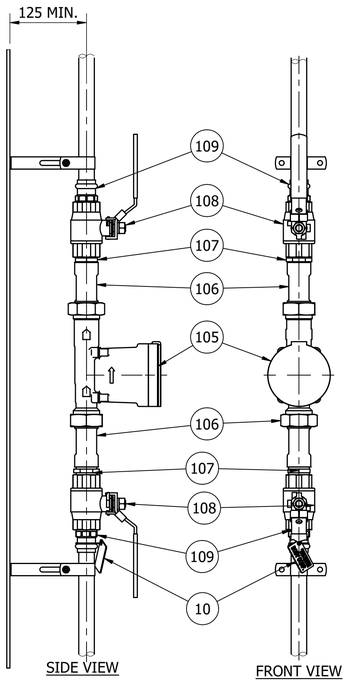
PARTS LIST	
ITEM	DESCRIPTION
1	COPPER TUBE, TYPE B, HARD-DRAWN
2	DN20 METER SUB-ASSEMBLY
3	DN25, DN32 AND DN40 METER SUB-ASSEMBLY
4	SUPPORT AND FIXINGS TO AS3500 (NOTE 8)
5	DOOR FRAME
6	DOOR (NOTE 9)
7	LOCK (KEYED TO EL85)
8	DROP BOLT / LATCH
9	WATER METER ENCLOSURE SIGNAGE REFER SD-1307
10	UNIT METER IDENTIFICATION TAG (NOTE 4) REFER SD-1307
11	IP56 RATED DUAL POWER OUTLET 240V 10A (TO AS/NZS3000)
12	2 x DN32 COMMS CONDUITS (NOTE 7)



EXAMPLE - ENCLOSURE (DOORS CLOSED)



EXAMPLE - ENCLOSURE (DOORS OPEN)

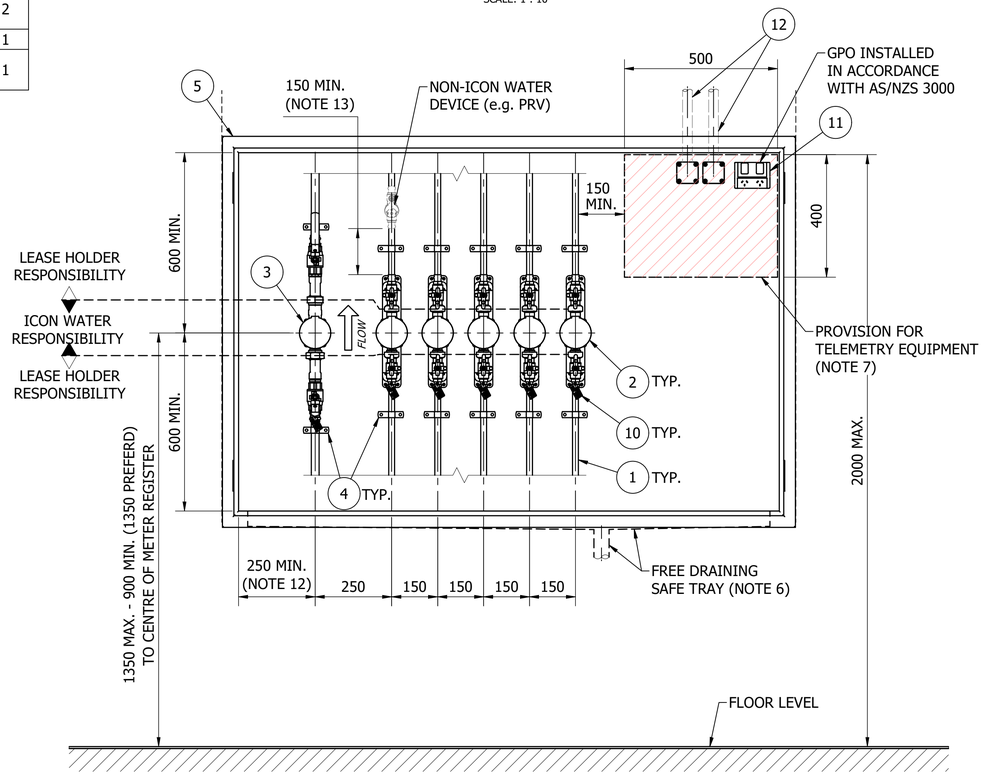


TYPICAL DN25, DN30 AND DN40 METER

SCALE: 1:5

DN25, DN32 AND DN40 METER SUB-ASSEMBLY		
ITEM	DESCRIPTION	QTY
105	WATER METER - ICON WATER APPROVED	1
106	UNION FI (BSP) x METER NUT **	2
107	NIPPLE (BSP)	2
108	BALL VALVE FI-FI (BSP), BRASS, LOCKABLE - ICON WATER APPROVED	2
109	ADAPTOR MI (BSP) x PRESS FIT	2

** ITEM 106 = FLANGE ADAPTOR FOR DN32 AND DN40 METERS.



FRONT ELEVATION

(DOORS NOT SHOWN FOR CLARITY)

SCALE: 1 : 10

NOTES:

1. ALL MEASUREMENTS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. THIS DRAWING ILLUSTRATES A STANDARD VERTICAL ARRANGEMENT OF SUB-METERS ALONG WITH A BODY CORPORATE SUB-METER IN AN INTERNAL ENCLOSURE (FOR HORIZONTAL ARRANGEMENT REFER TO SD-3375). IT IS DESIGNED TO HIGHLIGHT THE MINIMUM CLEARANCES REQUIRED FOR THE ENCLOSURE AND THE SPACING BETWEEN METERS. THE QUANTITY, TYPE, AND SIZE OF THE METERS WILL BE TAILORED TO EACH DEVELOPMENT.
3. ALL PIPEWORK INSIDE THE ENCLOSURE MUST BE TYPE B, HARD-DRAWN COPPER.
4. METER ID TAGS SHOULD BE AFFIXED ON THE ADAPTER BEFORE THE UPSTREAM ISOLATION VALVE USING A 1 mm METER SEALING WIRE (SWAGED).
5. THE ENCLOSURE MUST BE LOCATED IN AN ACCESSIBLE COMMON AREAS OF THE PROPERTY, ENSURING AN UNOBSTRUCTED WORKING SPACE FOR MAINTENANCE AND REPLACEMENT PURPOSES. AESTHETICS IS NOT CONSIDERED A VALID REASON TO LOCATE THE ENCLOSURE IN AN INACCESSIBLE AREA OF THE DEVELOPMENT
6. THE DESIGN OF THE ENCLOSURE MUST INCORPORATE A SAFE TRAY, WITH ADEQUATE DRAINAGE TO CONTROL LEAKS OR SPILLS.
7. SPACE TO BE PROVIDED FOR THE INSTALLATION OF TELEMETRY EQUIPMENT. PROVIDE 2x DN32 TELECOMMUNICATIONS CONDUITS TO CEILING CAVITY. TERMINATE WITHIN A SUITABLE TERMINATION BOX ADJACENT TO POWER OUTLET.
8. THE ENCLOSURE REAR WALL SHALL BE DESIGNED TO PROVIDE SECURE FIXING FOR PIPE SUPPORTS AND OTHER INFRASTRUCTURE. ENCLOSURE INTERNAL SURFACES TO BE CONSTRUCTED OF MATERIALS SUITABLE TO RESIST DAMAGE IN THE EVENT OF A LEAK.
9. DOORS MUST BE MANUAL OPENING, HINGED OR SLIDING DOORS THEY ARE TO BE NON-METALLIC AND CONSTRUCTED TO NOT INTERFERE WITH RADIO TELEMETRY SIGNALS FROM METERING EQUIPMENT. HINGED DOORS MUST BE ABLE TO SWING OPEN AT LEAST 180° THE SWING AREA OF HINGED DOORS AND THE OPERATING AREA OF SLIDING DOORS MUST BE FREE OF OBSTRUCTIONS.
10. A MINIMUM CLEARANCE AREA IS REQUIRED ON THE ACCESS SIDE OF THE ENCLOSURE EXTENDING THE ENTIRE LENGTH OF THE ENCLOSURE AND WITH A WIDTH EQUAL TO THE WIDTH OF THE DOOR (HINGED) OR A MINIMUM OF 1000 (WHICHEVER IS GREATER).
11. FOR DN20 METERS, PIPE CENTRELINE SPACING TO BE 150. FOR METERS DN25 TO DN40 PIPE CENTRELINE SPACING TO THE ADJACENT METER SHALL BE 250 MIN. REGARDLESS OF THE SIZE OF THE ADJACENT METER.
12. 250 MIN. CLEARANCE REQUIRED TO THE EDGE OF THE ENCLOSURE OPENING TO FACILITATE ACCESS FOR READING AND MAINTENANCE.
13. 150 MIN. STRAIGHT PIPE BETWEEN DOWNSTREAM METER FITTING AND ANY NON-ICON WATER DEVICE (E.G. PRV).
14. WHERE APPROVED WALL BRACKET IS NOT USED FOR DN20 METERS THEN CLEARANCE FROM REAR WALL TO CENTRELINE OF SERVICE SHALL BE 125 MIN.

No.	ISSUE	DATE	DRAWN	CHECKED	AUTHORISED
A	INITIAL ISSUE	18/05/2026	M. Matusiak		

ASSET AREA APPLICABILITY					
DAM		RES		SPS	
BWS		WAT	X	STP	
WTP		SEW			
WPS		REC			

icon WATER

STANDARD DRAWING
UNIT METERING – UNIT TITLE DEVELOPMENTS
CLASS A SUB-METER ARRANGEMENTS
ENCLOSURE FOR VERTICALLY ARRANGED DN20-DN40 METERS
TYPICAL DETAILS

DRAWING STATUS: Issued For Review

SD-3376-C

A1

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ISSUE A