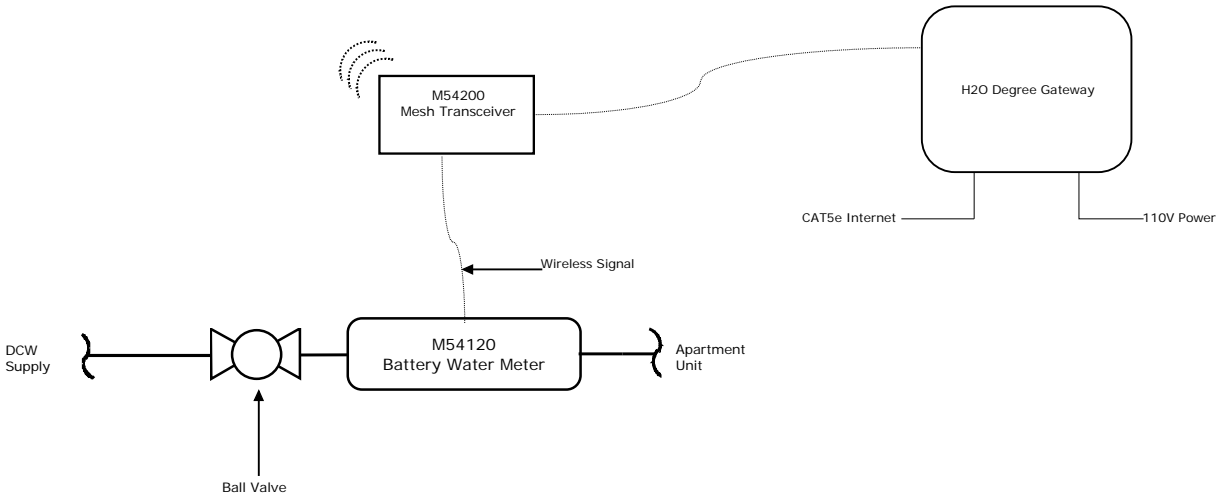


1. WIRELESS SUB METERING AND MONITORING SYSTEM BASIS OF DESIGN: THE DOMESTIC WATER SUB-METERING SYSTEM SHALL BE PROVIDED BY H2O DEGREE. THE METER SHALL BE 3/4" AND COMPLY WITH ALL H2O DEGREE REQUIREMENTS, INCLUDING, BUT NOT LIMITED TO:
- a. HOURLY OR DAILY WATER METER READINGS SHOULD BE SENT FROM THE WATER METERS IN INDIVIDUAL APARTMENTS WITH THE USE OF THE WIRELESS SUB-METERING SYSTEM
 - b. WIRELESS COMMUNICATION SHALL OCCUR BETWEEN A RADIO AND MESH TRANSCEIVER, CONNECTED TO A WATER METER AND THE WSMMS H2O DEGREE GATEWAY. THE GATEWAY AND A COORDINATOR SHALL BE PLUG AND PLAY WITH NO ONSITE CONFIGURATION REQUIRED.
 - c. THE COORDINATOR SHOULD INTERFACE WITH THE WSMMS H2O DEGREE GATEWAY USING A USB 2.0 CABLE
 - d. THE DATA FROM THE GATEWAY SHOULD BE RETRIEVABLE AUTOMATICALLY VIA AN INTERNET CONNECTION.
 - e. THE SYSTEM MUST UTILIZE BI-DIRECTIONAL WIRELESS COMMUNICATION TECHNOLOGY (I.E. RADIO FREQUENCY BASED) AND SHOULD USE DIRECT SEQUENCE SPREAD SPECTRUM (DSSS) IN CONJUNCTION WITH THE CARRIER SENSE MULTIPLE ACCESS WITH COLLISION AVOIDANCE (CSMA/CA) TECHNIQUE.
 - f. THE WIRELESS SMART-METERING EQUIPMENT SHOULD SUPPORT MULTIPLE BILLING COMPANIES (OFTEN CALLED READ, BILL AND COLLECT - RBC)
 - g. DAILY LEAK REPORTS SENT TO OWNER



Name: Mesh M54120 Point of Entry Meter Detail

Drawing:

Project:

Drawn:

Scale:

Date:

Revised:



H2O Degree
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