

## Equipment Data Sheet Packaged Rainwater Harvesting Tank

| Job Title:            | Camden Town Hall |         |            | Job Number: | 261250 |
|-----------------------|------------------|---------|------------|-------------|--------|
| Job Stage:            | Stage 4          | Status: | Stage 4    | Made by:    | AD     |
| Revision:             | 00               | Date:   | 27/09/2019 | Checked by: | DH     |
| Revision Description: |                  |         |            |             |        |

#### **General Information**

Number Required Location System

Туре

| 1   |
|---|
| Rainwater tank plantroom B.06                                       |
| Packaged rainwater harvesting tank for greywater top up (RWH/B1/01) |
| GRP tank with built-in booster & filter                             |
|   |

#### 

**Suggested Supplier** 

and approved) Contact Name Telephone Number

## Aquality Christopher James (44) 020 8991 3725

Performance Data Actual Capacity

| Required | Offered | _      |
|----------|---------|--------|
| 3000     |         | litres |

# **Construction Data**

Arrangement Type of Construction

Construction Standard Tank Material

## **Tank Dimensional Data**

Overall Length Overall Width Overall Height Diameter Inlet Connection Size Outlet Connection Size Overflow Size Warning Pipe Size Vent Pipe Size Drain Outlet

| Externally flanged          |
|-----------------------------|
| Factory manufactured GRP    |
| insulated panels erected at |
| site                        |
| BS 7491 part 3              |
| GRP (insulated)             |

|      | -  |
|------|----|
| 2230 | mm |
| 995  | mm |
| 1650 | mm |
| N/A  | mm |
| 100  | mm |
| 50   | mm |
| 100  | mm |
| 50   | mm |
| 100  | mm |
| MS   | mm |

#### Booster Set Electrical Data

|                      | Required    | Offered | -   |
|----------------------|-------------|---------|-----|
| Electrical Supply    | 400         |         | V/Ø |
| Electrical Frequency | 50          |         | Hz  |
| Set Load             | 1.1         |         | kW  |
| Starting Current     | 3           |         | А   |
| Running Current      | 3           |         | А   |
| Power Source         | Three phase | e       |     |
| Normal Feed          | N           |         |     |
| Essential Feed       | Y           | ,       |     |
|                      |             |         |     |



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| Controls                       | Requ         | ired         |  |  |
|--------------------------------|--------------|--------------|--|--|
| High Level Alarm Switch        | Yes<br>✓     | No           |  |  |
| Mid Level Alarm Switch         |              | $\checkmark$ |  |  |
| Low Level Alarm Switch         | $\checkmark$ |              |  |  |
| Pump 1 Start Switch            |              | $\checkmark$ |  |  |
| Pump 2 Start Switch            |              | $\checkmark$ |  |  |
| BMS Links                      | $\checkmark$ |              |  |  |
| Pump Panel Links               |              |              |  |  |
| BMS Links                      |              |              |  |  |
| Common Alarm Volt Free Contact | ct 🖌         |              |  |  |

| Options                      | Required     |              |  |
|------------------------------|--------------|--------------|--|
| Ball Valve Housing           | Yes          | No<br>✓      |  |
| Internal Ladder              |              | $\checkmark$ |  |
| External Ladder              |              | $\checkmark$ |  |
| Immersion Heaters            |              | $\checkmark$ |  |
| Sealed Heavy Duty Lid        | $\checkmark$ |              |  |
| Sealed Light Duty Lid        |              | $\checkmark$ |  |
| Access Hatch                 | $\checkmark$ |              |  |
| Structural Internal Division |              | $\checkmark$ |  |
| Contents Gauge               | $\checkmark$ |              |  |
| Overflow Screening           | $\checkmark$ |              |  |
| Warning Pipe Screening       | $\checkmark$ |              |  |
| Factory Insulation           | $\checkmark$ |              |  |
| Site Insulation              |              | $\checkmark$ |  |
| Locked turret manhole covers |              | $\checkmark$ |  |

# $\operatorname{ARUP}\langle \operatorname{P10}^{\mathsf{eds}}\rangle$

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### **Additional Information**

#### Comments

| 1 | All inputs/outputs to be wired to numbered terminals           |  |
|---|--|--|
|   | within the control panel.                                      |  |
| _ |  |  |
| 2 | All alarm volt free contacts shall be fail safe. Contacts      |  |
|   | shall be normally open, closed when healthy, open              |  |
|   | on alarm or loss of power.                                     |  |
|   |  |  |
| 3 | All volt free contacts to be rated at 3A inductive at          |  |
|   | 230 VAC.   |  |
|   |  |  |
| 4 | Power supply and control cables that are not part of the       |  |
|   | package are to be provided by the electrical / controls        |  |
|   | engineer.  |  |
|   |  |  |
| 5 | Rainwater filter IF2 to be installed as in the packaged system |  |
|   | specified by the manufacturer.                                 |  |
|   |  |  |
| 6 | This equipment is to be installed as part of a packaged        |  |
|   | combined greywater & rainwater recycling plant and to top up   |  |
|   | GWR/B1/01.   |  |
|   |  |  |
|   |  |  |
|   |  |  |
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