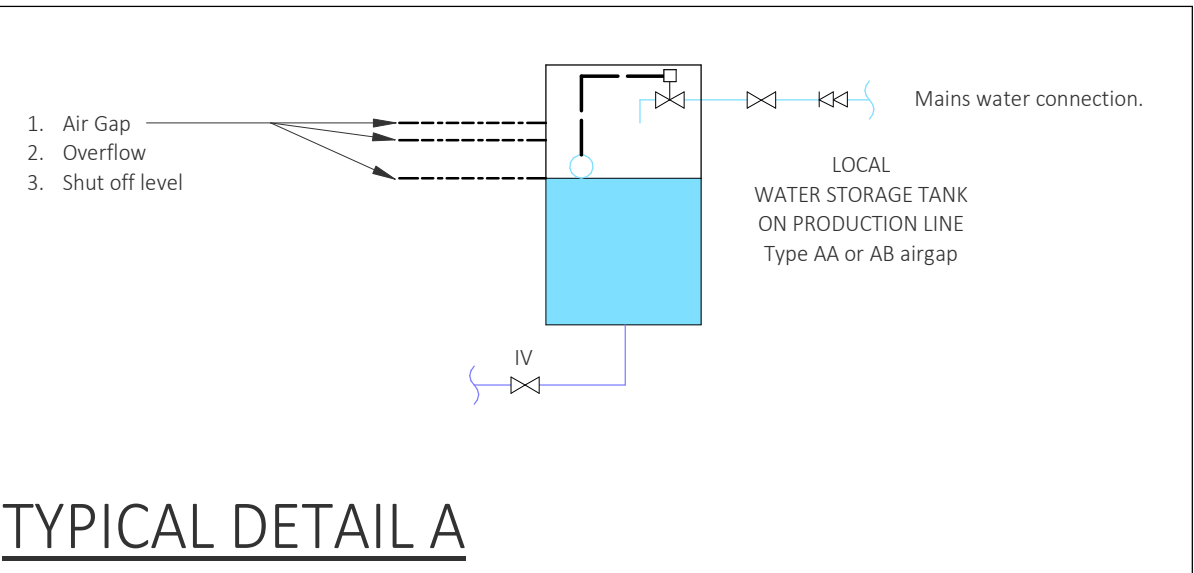
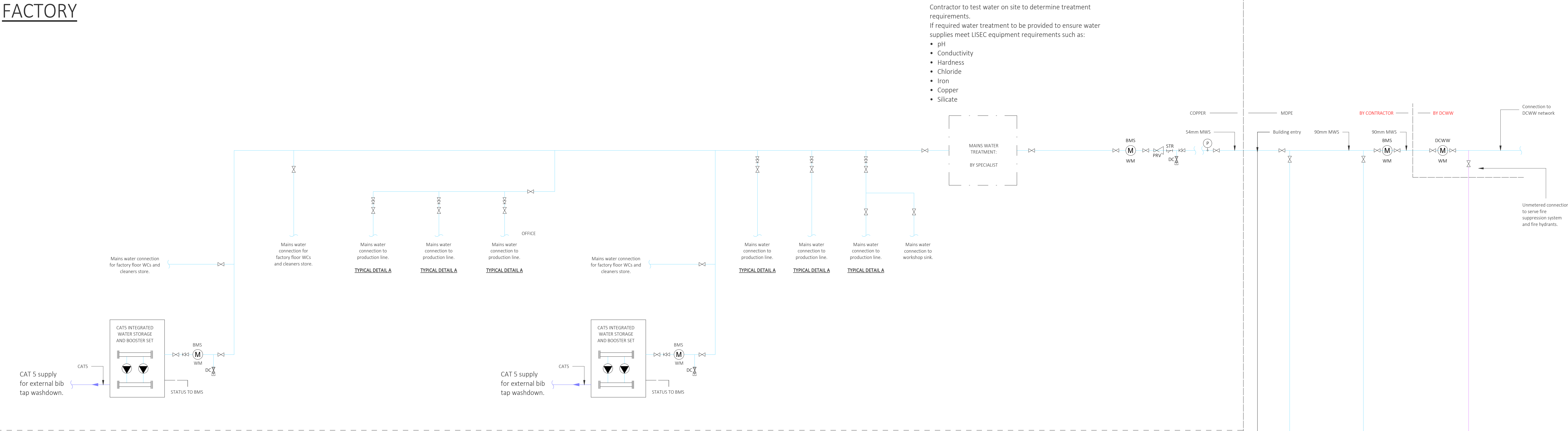
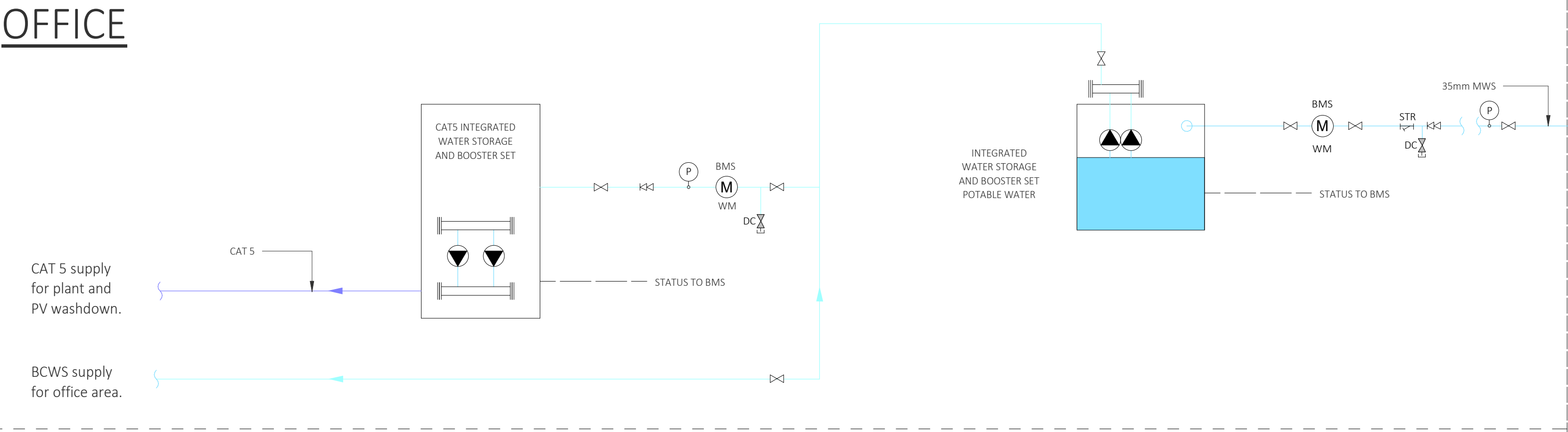


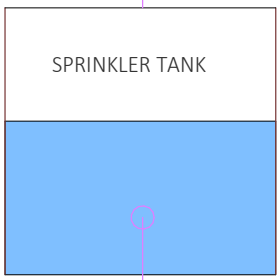
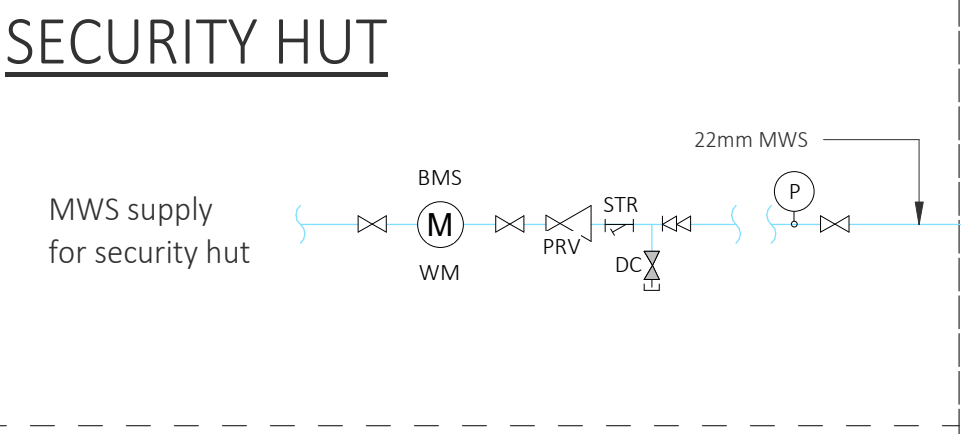
FACTORY



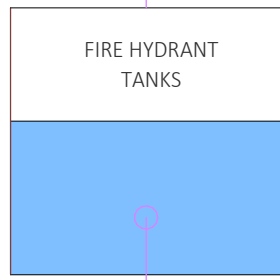
OFFICE



SECURITY HUT



Supply for site fire suppression system



Supply for site fire hydrants

STAGE 3 PERFORMANCE SPECIFICATION DRAWING NOTES

- These drawings are prepared to convey the performance design requirements and intent only.
- The contractor is responsible for validating the information and developing the design into a detailed design package as part of Stage 4, including all items required to form a complete and working installation.
- Final distribution routes to be developed at stage 4 by Services Contractor.
- Do not scale from this drawing.

ARCHITECTURAL MODEL / LAYOUT

- Model used for drawing backgrounds - GSB-LAW-XX-XX-M3-AR-000002-Building_Model.P7

FACTORY EQUIPMENT

- Equipment layout used in the factory is based on the Liseac drawing PL45210_Rev 30 24.11.22

- NOTES
- All dimensions are to be checked on site before the commencement of works. Any discrepancies are to be reported to the Architect & Engineer for verification. Figured dimensions only are to be taken from this drawing.
 - This drawing is to be read in conjunction with all relevant engineers' and service engineers' drawings and specifications. This drawing is copyright.

- DOMESTIC WATER NOTES
- Final co-ordination of all services and co-ordination between services and the building structure is the responsibility of the contractor.
 - All domestic services shall be installed in accordance with the recommendations of the Water Supply (Water Fittings) Regulations 1999, the WRAQ Water Regulations Guide, BS 8538, BS EN 806, CSSE Guides, HSE's Approved Code of Practice HSG274, the local water supply authority.
 - Any provisions for pipework expansion, pipework guides, and/or anchoring shall be determined by the contractor.
 - All low points shall have drain valves. All high points shall be fitted with Automatic Air Units (AAUs).
 - All isolation valves, blending valves and servicing valves are to be located on the pipework within accessible positions.
 - Thermostatic mixing valves are to be supplied complete with integral strainers, full flow check valves and temperature pre-set.
 - In all cases where pipes pass through walls and floors the services contractor shall provide and build in sleeves.

- Gaps around services penetrations are to be fire stopped with intumescent mastic sealant.
- Hot water warning signs to be installed to non-blended outlets (generally kitchens and cleaners)
- All exposed water services pipework shall be installed in chrome plated pipework.
- Rigid final connections shall be provided to all water outlets. No flexible hoses shall be used.
- Water meters to be provided with pulsed outputs for remote monitoring via BMS.
- All external domestic water services pipework shall be trace heated and insulated to protect against freezing.
- When running cold water, the pipework must be as far away as reasonably practicable from hot services, 50mm air gap from outside of insulation as a minimum. This relates to all areas where cold water pipework is located. Hot services are deemed to be any plant, services or equipment that can cause transfer of heat.
- Where unvented hot water systems are to be provided, the discharge from the expansion and temperature/pressure relief valves from each of the item of plant shall discharge into a separate tundish in accordance with manufacturers requirements.

Legend

- Domestic Plant
- Fire Main
- Boosted Cold Water - BCWS
- Category 5 Boosted Cold Water - CAT5
- Mains Cold Water Supply - MWS
- Fire Hydrant Main - FHM

Abbreviations

- RTA - Rises to Above
- RFB - Rises from Below
- DFA - Drops from Above
- DTB - Drops to Below
- DTLL - Drops to Low Level

REVISIONS

Pre-Commencement Conditions
7 - Potable water scheme
23/01/23

REV	REVISION NOTES/COMMENTS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE

CLIENT



Glass Systems Facility, Baglan

Mechanical Services
Domestic Services Schematic
Concept

HYDROCK PROJECT NO.

C-24566

SCALE @ AD

N.T.S.

STATUS DESCRIPTION

SUITABLE FOR REVIEW & COMMENT

DRAWING NO.

GSB-HYD-XX-XX-DR-M-1520

STATUS

S3

REVISION

P01