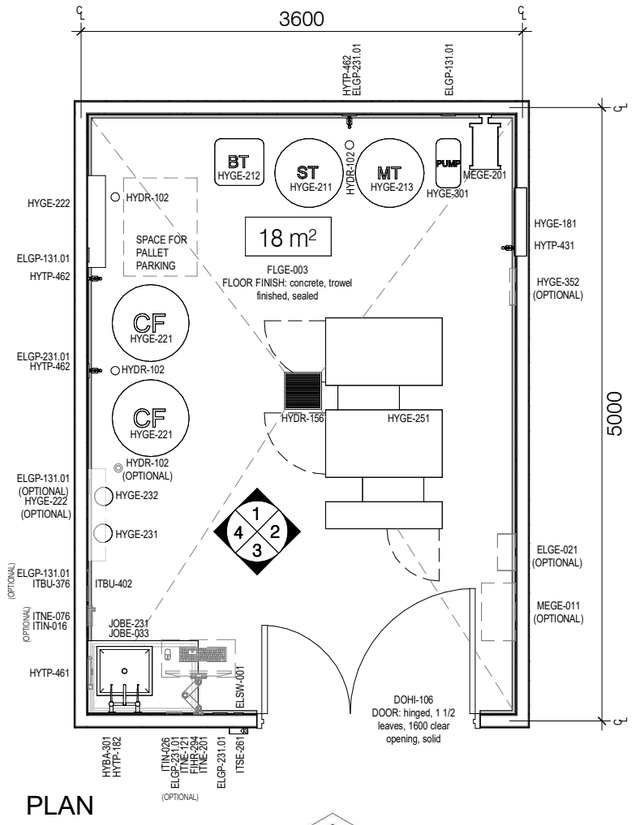
Plant - Water Treatment

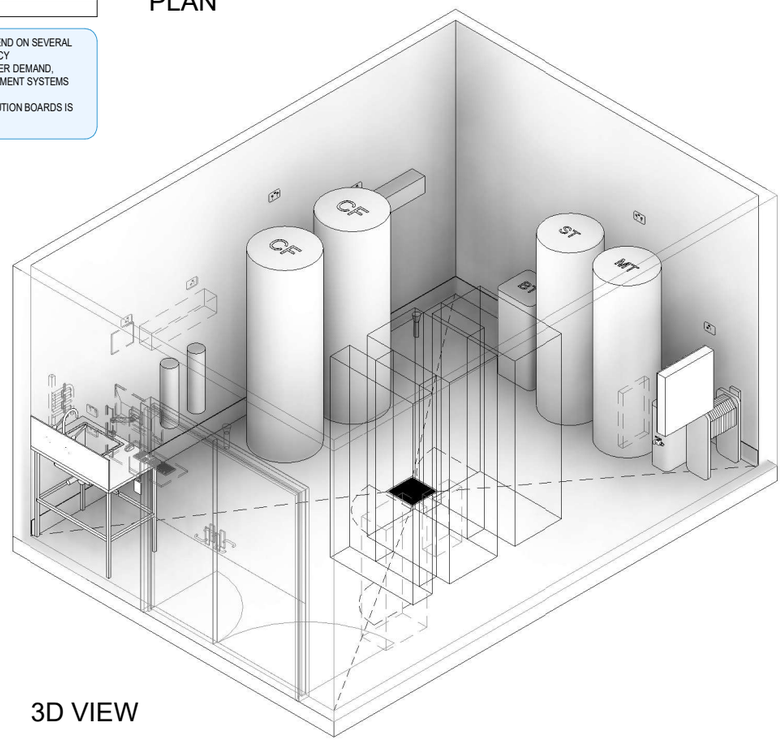
CARDIAC PROTECTION | BODY PROTECTION | HEARING LOOP | RADIATION SHIELDING | MAGNETIC / RF SHIELDING | HEPA FILTRATION | POSITIVE PRESSURE | NEGATIVE PRESSURE

CODE	DESCRIPTION
AFDPR-006.01	DOOR PROTECTION: plate, to 900H
DOHI-106	DOOR: hinged, 1 1/2 leaves, 1600 clear opening, solid
ELGE-021	BOARD: electrical distribution (EDB)
ELGP-131.01	GPO: single, emergency power, wall mounted, horizontal
ELGP-231.01	GPO: double, emergency power, wall mounted, horizontal
ELSW-001	SWITCH: light
FIHR-294	BRACKET: combined single screen all-in-one computer, keyboard and mouse, articulated, wall mounted
FLGE-003	FLOOR FINISH: concrete, trowel finished, sealed
FLSK-081	SKIRTING: concrete, sealed, coved
HYBA-301	SINK: single bowl
HYDR-102	TUNDISH: floor mounted
HYDR-156	TRAP: cooling pit
HYGE-181	VALVE: backflow prevention, wall recessed
HYGE-211	PLANT: water treatment, softener vessel
HYGE-212	PLANT: water treatment, brine tank
HYGE-213	PLANT: water treatment, multimedia vessel
HYGE-221	PLANT: water treatment, carbon filter
HYGE-222	PLANT: water treatment, ultraviolet filter
HYGE-231	PLANT: water treatment, particle cartridge filter, 1 micron
HYGE-232	PLANT: water treatment, particle cartridge filter, 5 micron
HYGE-251	PLANT: dialysis, water generation, reverse osmosis, with ring main heat disinfection
HYGE-301	PUMP: pressure booster
HYGE-352	CONTROL PANEL: dialysis, programmable logic controller
HYTP-182	TAPWARE: sink, tap set, wall mounted, lever handles
HYTP-431	OUTLET: water, cold
HYTP-461	SAMPLE POINT: water, reverse osmosis, combined
HYTP-462	SAMPLE POINT: water, reverse osmosis, single
ITBU-376	ALARM: chlorine analyser
ITBU-402	ALARM: equipment monitoring, water treatment malfunction
ITIN-016	OUTLET: data, single RJ45, wall mounted
ITIN-026	OUTLET: data, double RJ45, wall mounted
ITNE-076	TELEPHONE: handset, wall mounted
ITNE-121	COMPUTER: single display screen, all-in-one
ITNE-201	INPUT DEVICE: keyboard and mouse
JOBE-033	BENCH: 600D, stainless steel lipped
JOBE-231	BENCH SUPPORT: legs and frame, stainless steel
MEGE-011	SWITCHBOARD: main, mechanical
MEGE-201	PLANT: heat exchanger, supplied by mechanical chilled water
WLFI-001	WALL FINISH: paint

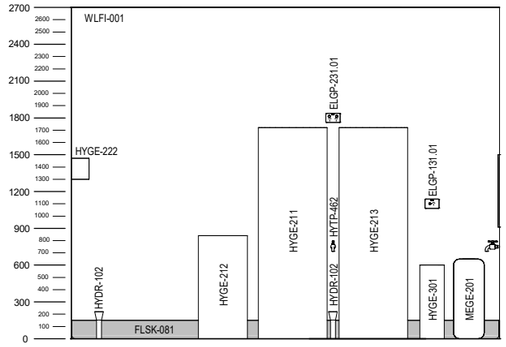
THE FINAL CONFIGURATION OF THE PRE-TREATMENT AND RO WATER TREATMENT SYSTEM WILL DEPEND ON SEVERAL FACTORS, INCLUDING THE SIZE OF THE SERVICE, THE QUALITY OF THE FEED WATER AND REDUNDANCY REQUIREMENTS. WATER TREATMENT EQUIPMENT MAY NEED TO BE SCALED TO ACCOMMODATE HIGHER DEMAND, EITHER THROUGH PROVISION OF LARGER VESSELS OR BY DUPLICATION TO CREATE PARALLEL TREATMENT SYSTEMS CAPABLE OF SUPPLYING INCREASED VOLUMES OF RO WATER FOR LARGER UNITS.
THE PROVISION ON DEDICATED SERVICES INFRASTRUCTURE SUCH AS SWITCHBOARDS AND DISTRIBUTION BOARDS IS TO BE DETERMINED AT PROJECT LEVEL TO SUIT THE FACILITY WIDE INFRASTRUCTURE STRATEGY.



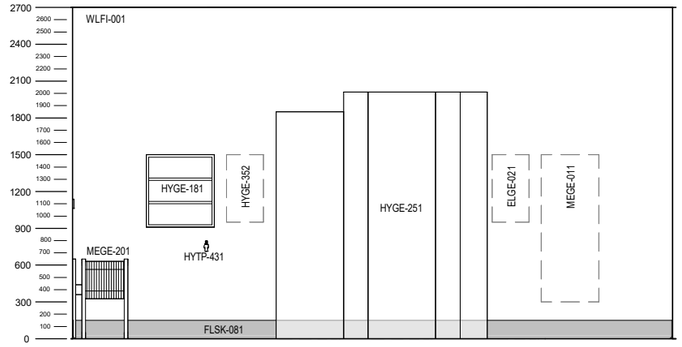
PLAN



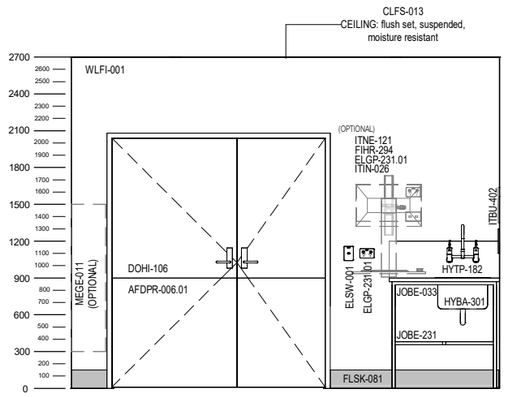
3D VIEW



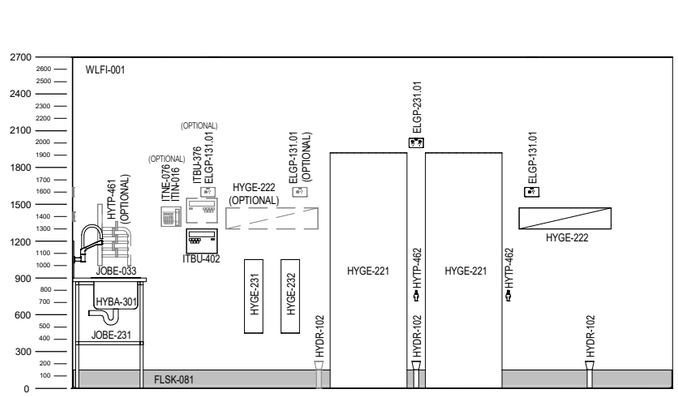
ELEVATION 1



ELEVATION 2



ELEVATION 3



ELEVATION 4

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Scale	
Plan + Elevations	1:50 @ A3 (0 0.5 1 1.5 2 2.5)
Details	1:25 @ A3 (0 0.25 0.5 0.75 1 1.25)

FOR GUIDANCE

Revision	Description	Date
5	Updated following AHIA review	30.10.2026
4	Updated following AHIA review	26.04.2021
3	Item coding and naming updated	20.03.2017
2	Redocumented, does not represent significant revision	01.03.2016

Room Code	
PLNT-WTR	
Revision	
5	

Vizylab