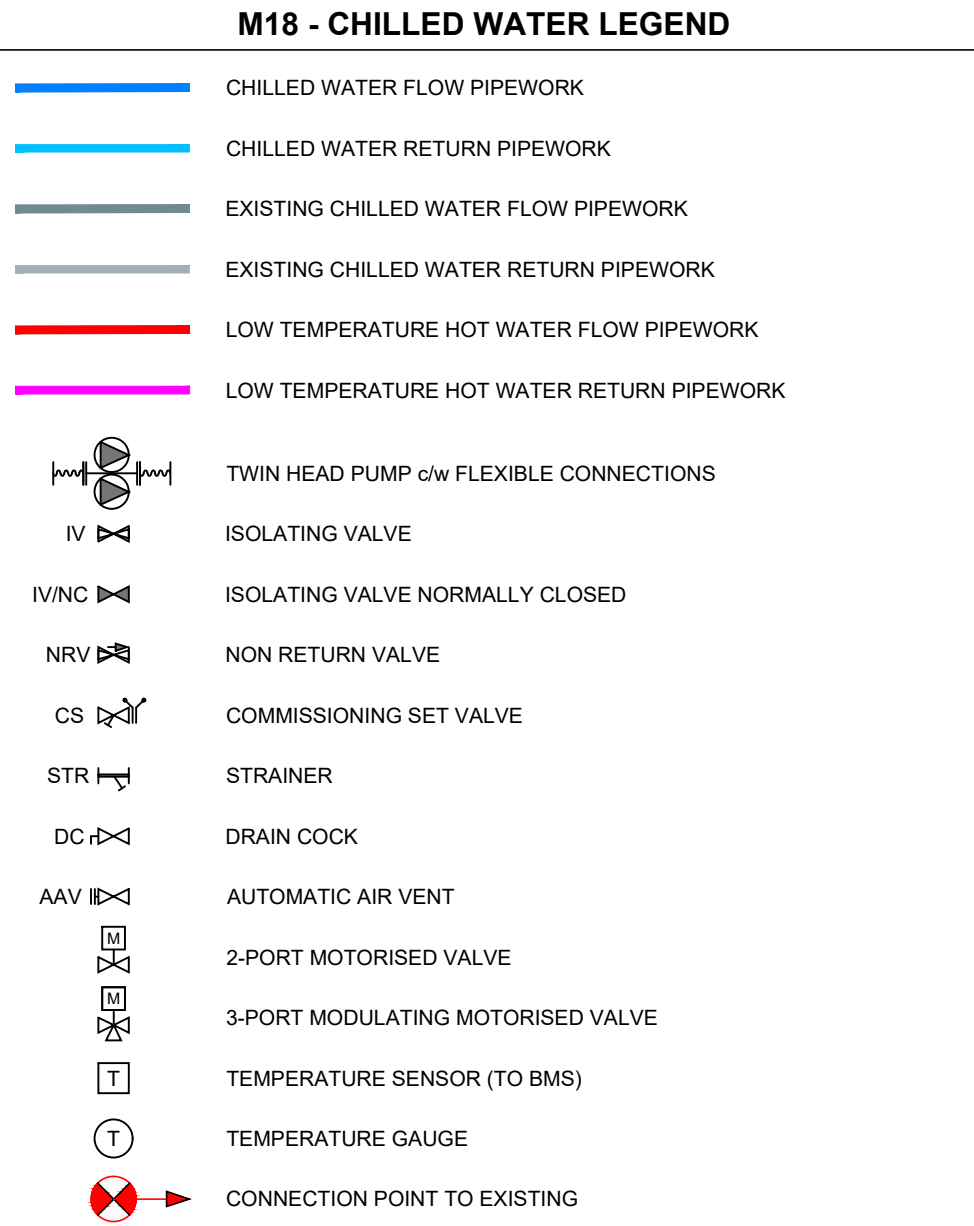
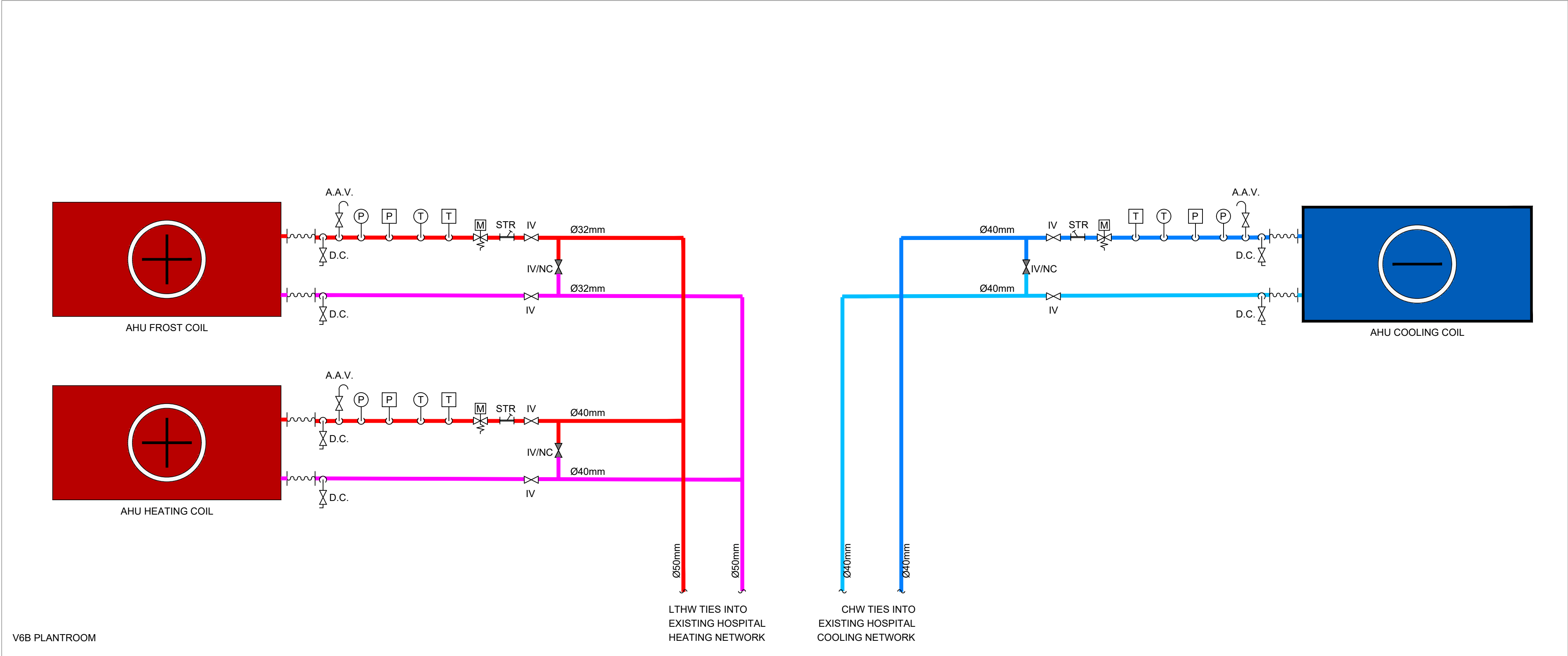
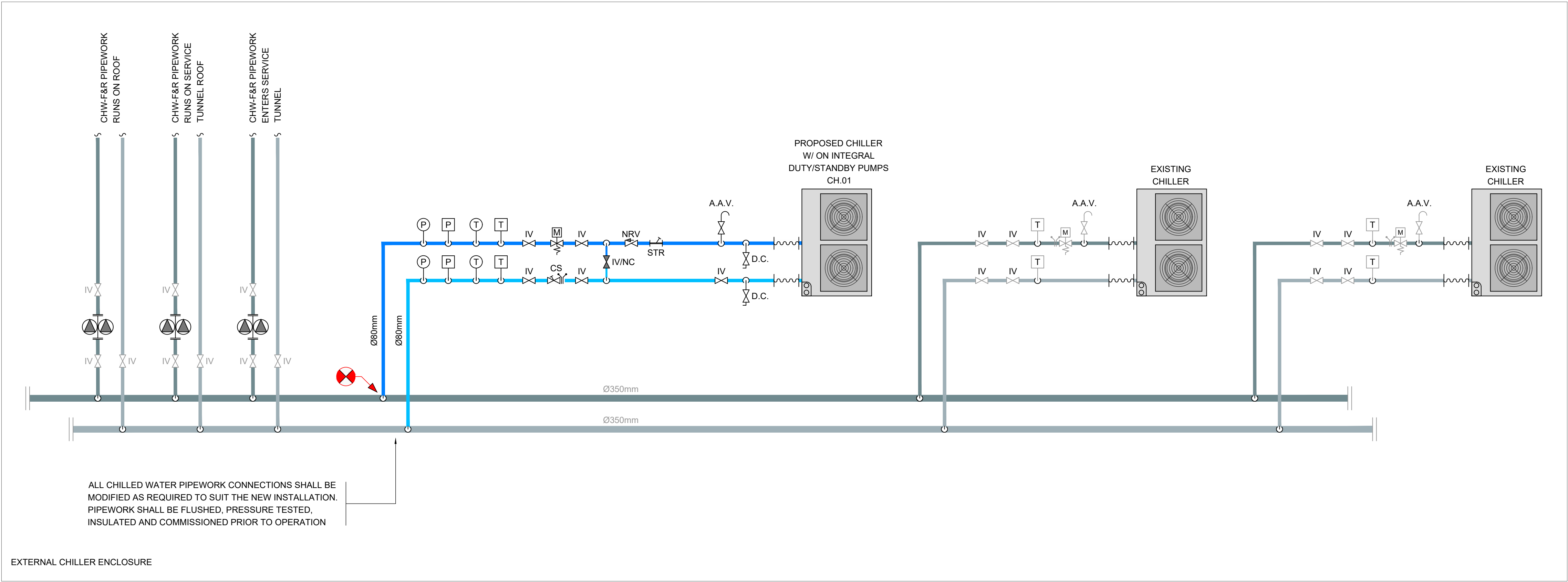




- M18 - CHILLED WATER NOTES**
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE MECHANICAL SERVICES SPECIFICATION, EQUIPMENT SCHEDULES, BUILDER'S WORK DRAWINGS, STRUCTURAL DRAWINGS & ALL ASSOCIATED MECHANICAL SERVICES DRAWINGS.
 - THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS, DIMENSIONS, PIPE ROUTES, PLANT ACCESS REQUIREMENTS & EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER PRIOR TO INSTALLATION.
 - DRAIN COCKS / DRAIN VALVES SHALL BE INSTALLED AT ALL LOW POINTS OF THE CHILLED WATER SYSTEM TO FACILITATE SYSTEM DRAINAGE, FLUSHING & MAINTENANCE. DISCHARGE LOCATIONS SHALL BE COORDINATED WITH THE SITE DRAINAGE SYSTEM.
 - AUTOMATIC AIR VENTS SHALL BE INSTALLED AT ALL HIGH POINTS OF THE CHILLED WATER SYSTEM COMPLETE WITH ISOLATION VALVES TO FACILITATE MAINTENANCE & AIR REMOVAL DURING COMMISSIONING & OPERATION.
 - THE CONTRACTOR SHALL INCLUDE FOR ALL NECESSARY OFFSETS, TRANSITIONS, FITTINGS & PIPEWORK MODIFICATIONS REQUIRED TO AVOID CLASHES WITH EXISTING OR NEW BUILDING SERVICES.
 - ALL CHILLED WATER PIPEWORK SHALL BE INSULATED WITH 50mm THICK PHENOLIC FOAM INSULATION COMPLETE WITH VAPOUR BARRIER FINISH. ALL JOINTS SHALL BE SEALED TO PREVENT CONDENSATION FORMATION.
 - ALL EXTERNAL CHILLED WATER PIPEWORK SHALL BE COMPLETE WITH TRACE HEATING, WEATHERPROOF CLADDING & UV RESISTANT FINISH SUITABLE FOR EXTERNAL INSTALLATION CONDITIONS.
 - CARBON MILD STEEL PIPEWORK SHALL NOT BE INSTALLED. ALL PIPEWORK MATERIALS SHALL COMPLY WITH THE PROJECT SPECIFICATION & SUIT THE CHILLED WATER APPLICATION.
 - PIPEWORK SHALL BE INSTALLED TO ALLOW ADEQUATE ACCESS FOR OPERATION, MAINTENANCE, VALVE REMOVAL & EQUIPMENT REPLACEMENT.
 - ALL PIPEWORK SHALL BE ADEQUATELY SUPPORTED IN ACCORDANCE WITH BS EN ST&ARDS & MANUFACTURER'S RECOMMENDATIONS. SUPPORTS SHALL PREVENT SAGGING, VIBRATION & THERMAL STRESS.
 - FLEXIBLE CONNECTIONS SHALL BE PROVIDED ON ALL CHILLER CONNECTIONS & VIBRATING EQUIPMENT TO PREVENT TRANSMISSION OF NOISE & VIBRATION THROUGH THE PIPEWORK SYSTEM.
 - ISOLATION VALVES SHALL BE PROVIDED ON ALL MAJOR ITEMS OF EQUIPMENT, BRANCH CONNECTIONS & TERMINAL CONNECTIONS TO FACILITATE MAINTENANCE WITHOUT REQUIRING FULL SYSTEM SHUTDOWN.
 - STRAINERS SHALL BE INSTALLED UPSTREAM OF ALL CHILLERS, CONTROL VALVES, HEAT EXCHANGERS & OTHER SENSITIVE EQUIPMENT. STRAINERS SHALL BE ACCESSIBLE FOR CLEANING & MAINTENANCE.
 - ALL CHILLED WATER PIPEWORK SHALL BE THOROUGHLY FLUSHED, CLEANED & PRESSURE TESTED PRIOR TO INSULATION & COMMISSIONING.
 - PRESSURE TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION & RELEVANT ST&ARDS. ANY LEAKS IDENTIFIED SHALL BE REPAIRED & THE SYSTEM RETESTED PRIOR TO H&OVER.
 - THE CHILLED WATER SYSTEM SHALL BE CHEMICALLY CLEANED & TREATED BY A SPECIALIST WATER TREATMENT CONTRACTOR PRIOR TO PRACTICAL COMPLETION. WATER TEST CERTIFICATES SHALL BE PROVIDED AT H&OVER.
 - ALL CONTROL VALVES, COMMISSIONING SETS, BALANCING VALVES & INSTRUMENTATION SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS.
 - THERMOMETERS & PRESSURE GAUGES SHALL BE PROVIDED AT ALL CHILLERS, PUMPS, MAJOR BRANCHES & OTHER LOCATIONS REQUIRED FOR COMMISSIONING & SYSTEM TROUBLESHOOTING.
 - ALL CHILLED WATER PIPEWORK PASSING THROUGH WALLS OR FLOORS SHALL BE INSTALLED WITH APPROPRIATE SLEEVES & FIRE STOPPING TO MAINTAIN THE REQUIRED FIRE RATING OF THE BUILDING ELEMENT.
 - CONTRACTOR SHALL ENSURE ALL PIPEWORK INSTALLATIONS ARE COORDINATED WITH ARCHITECTURAL, STRUCTURAL & ELECTRICAL SERVICES PRIOR TO INSTALLATION.
 - ALL PIPEWORK SYSTEMS SHALL BE COMMISSIONED & BALANCED TO ACHIEVE THE DESIGN FLOW RATES INDICATED ON THE DRAWINGS & SCHEDULES.
 - FINAL PIPE SIZES SHALL BE VERIFIED AGAINST SYSTEM FLOW REQUIREMENTS & PRESSURE LOSSES PRIOR TO PROCUREMENT & INSTALLATION.



13.05.2026	TENDER ISSUE	PG	CON	JF	S0	P01
DATE	DESCRIPTION	DRN	ENG	APP	STATUS	REVISION
CLIENT: BEAUMONT HOSPITAL BEAUMONT Rd, BEAUMONT, DUBLIN, IRELAND						
PROJECT: BEAUMONT AHU & CHILLER REPLACEMENT BEAUMONT Rd, BEAUMONT, DUBLIN, IRELAND						
DRAWING TITLE: MECHANICAL SERVICES INSTALLATION SCHEMATIC PROPOSED HEATING & CHILLED WATER INFRASTRUCTURE						
DRAWING No: B2605-IN2-XX-ZZ-DR-ME-1801						
IN2 REF: B2605						
SCALE NTS						
REVISION P01						