

	Notes			
	THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES. DO NOT SCALE OFF THIS DRAWING. ALWAYS WORK TO NOTED DIMENSIONS. ALL DIMENSIONS MUST BE VERIFIED ON SITE BEFORE COMPLETING SHOP DRAWINGS OR SETTING OUT THE WORK. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE TECHNICAL SPECIFICATIONS AND ASSOCIATED EQUIPMENT SCHEDULES AS PREPARED BY XCO2 ENERGY Ltd. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL CIVIL AND STRUCTURAL ENGINEERS' DRAWINGS AND ASSOCIATED XCO2 ENERGY Ltd. DRAWINGS. - THE SUB-CONTRACTOR SHALL SUBMIT INSTALLATION DRAWINGS TO THE CONTRACT ADMINISTRATOR, ARCHITECT AND BUILDING CONTROL INSPECTOR FOR APPROVAL PRIOR TO ANY INSTALLATION. - THIS DRAWING SHOWS A GENERAL REPRESENTATION OF THE EQUIPMENT AND PIPEWORK. FINAL POSITIONS AND DIMENSIONS TO BE CONFIRMED ON INSTALLATION DRAWINGS - THE SUB CONTRACTOR SHALL ENSURE THEY ARE WORKING TO CURRENT ARCHITECTS DRAWINGS BEFORE COMMENCING WORKS ON SITE. ANY SERVICES INSTALLED TO THE WRONG ARCHITECTS DRAWINGS WILL BE THE RESPONSIBILITY OF THE SUB CONTRACTOR TO RECTIFY. - ALL PIPES PASSING THROUGH FIRE COMPARTMENTS SHALL BE PROVIDED WITH FIRE COLLARS AND FIRE SEALS. FIRE STOPPING DETAILS SHALL BE SUBMITTED FOR APPROVAL. - ALL SERVICES PIPEWORK SHALL BE FULLY INSULATED IN STRICT COMPLIANCE WITH BS 5422:2009. ALL INSULATED PIPEWORK SHALL BE LABELLED WITH THE SERVICE TYPE AND THE DIRECTION OF FLOW. - PIPE SLEEVES SHALL BE PROVIDED FOR ALL PIPES PENETRATING WALLS OR SLABS. - ALL BURIED, CHASED CONCEALED PIPEWORK AND FITTINGS SHALL BE TESTED PRIOR TO MAKING GOOD AND CONCEALED. - ALL PIPES SHALL BE CONCEALED IN WALLS OR BOXING DETAILS IF POSSIBLE. NO PIPEWORK SHALL BE EXPOSED WITHOUT PRIOR AGREEMENT WITH THE ARCHITECT. - THE RUN OF PIPEWORK SHALL BE ARRANGED IN NEAT AND WORKMANLIKE MANNER. - THE MECHANICAL SUB CONTRACTOR SHALL ENSURE ADEQUATE ACCESS TO COMMISSIONING VALVES AND ISOLATING VALVES TO ALLOW FOR TESTING, INSPECTION AND MAINTENANCE. - VERTICAL PIPES SHALL DROP PARALLEL TO WALLS, PARTITIONS AND/OR BUILDING STRUCTURE. FLOW AND RETURN PIPEWORK SHALL RUN PARALLEL TO EACH OTHER. HORIZONTAL PIPES SHALL BE GRADED TO CLEAR AIR AT VENT POINTS AND TO DRAIN AT LOW POINTS. MINIMUM DISTANCE BETWEEN PARALLEL PIPES SHALL BE 25mm OR IN THE CASE OF INSULATED PIPES THE FACE OF THE INSULATION. - UNDERFLOOR HEATING MANIFOLD SIZES DEPENDENT ON THE FLOOR BUILD-UP AND THE MANUFACTURER. - PIPEWORK DROPPING WITHIN WALLS TO BE PROTECTED BY METAL PLATE TO PREVENT HOLES BEING DRILLED THROUGH. - THE MECHANICAL SUB CONTRACTOR SHALL ALLOW ADEQUATE PROVISION FOR HEATING SERVICES PIPEWORK EXPANSION. EXPANSION LOOPS SHALL BE USED WHEREVER POSSIBLE. - ISOLATING VALVES SHALL BE PROVIDED FOR ALL FITTINGS AND APPLIANCES AND MANIFOLDS ALL WITHIN ACCESSIBLE POSITIONS. ALL ISOLATING VALVES TO BE CLEARLY LABELLED WITH PLASTIC TAGS. - THE CONTRACTOR SHALL INSTALL A DRAIN OFF VALVE AT THE LOWEST PART OF THE HEATING SYSTEM (IN AN ACCESSIBLE POSITION) SUITABLE TO CONNECT A HOSE PIPE COUPLING. - THE HEATING SYSTEM COMMISSIONING SHALL INCLUDE FLUSHING OF THE SYSTEM TO ALLOW CHARGING WITH RUST INHIBITOR AND DE-SCALING ADDITIVE. - NO PIPEWORK SHALL BE INSTALLED CLOSER THAN 150mm FROM ELECTRICAL CABLE OR CONDUIT EXCEPT AT CROSSOVER POINTS. CROSSOVER SHALL BE AVOIDED WHEREVER POSSIBLE. - FINAL UNDERFLOOR HEATING LAYOUTS, INCLUDING ZONING AND ZONE NUMBERS TO BE CONFIRMED BY UNDERFLOOR HEATING SPECIALIST ON FINAL INSTALLATION DRAWINGS. - ROOM TEMPERATURE SENSORS AND THERMOSTATS SHALL BE INSTALLED AT A MINIMUM HEIGHT OF 15m ABOVE FINISHED FLOOR LEVEL IN THE LOCATIONS INDICATED ON THE ARCHITECTURAL DRAWINGS AND IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS. - THIS DRAWING SHOWS A GENERAL REPRESENTATION OF THE EQUIPMENT AND PIPEWORK. FINAL POSITIONS AND DIMENSIONS TO BE CONFIRMED ON INSTALLATION DRAWINGS. - ANTI-VIBRATION MOUNTS SHALL BE INSTALLED TO HVAC EQUIPMENT.			
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