PRINCE OF WHALES HOSPITAL MENTAL HEALTH INTENSIVE CARE UNIT SCHEMATIC DESIGN

HYDRAULIC SERVICES LEGEND

PIPEWORK SYMBOLOGY & ABBREVIATIONS	SYMBOLS	ABBREVIATIONS	ABBREVIATIONS cont.	ABBREVIATIONS cont.	DRAWING SCHEDULE
AGM AGM AGM AUTHORITY GAS MAIN	O RISER © DROP / RISE	A/C Air Conditioning AAV Air Admittance Valve	FW Floorwaste (Untrapped) FWG Floorwaste Gully (Trapped)	PRV Pressure Relief Valve PS Pan Sanitiser	DRAWING DRAWING TITLE
AGM AGM AUTHORITY GAS MAIN ASM ASM AUTHORITY SEWER MAIN	C DROPPER	AHD Australian Height Datum	GA Grease Arrestor	PSK Pot Sink	NUMBER SCALE DRAWING TITLE
ASWM AUTHORITY STORMWATER MAIN	☐ TEE DROPPER	AS Australian Standards B Basin	GAL Galvanised GD Grated Drain	PVC Polyvinyl Chloride RCP Reinforced Concrete Pipe	D-000 N.T.S HYDRAULIC SERVICES COVER SHEET AND LEGEND
AWM AWM AWM AUTHORITY WATER MAIN CASTIN	J PIPEWORK CAP S PIPEWORK CONTINUATION	BBQ Barbeque	GDO Grated Drain Outlet	RDF Refridgerated Drinking Fountain	D-100 1:100 HYDRAULIC SERVICES INGROUND LOWER GROUND PLAN SANITARY AND STORMWATER
CHVP CHVP CHVP CHAMBER VENT	// UNDOCUMENTED CONTINUED LINE	BBV Brigade Booster Valve BCA Building Code Of Australia	GDTU Grease Drainage Turn Up GFP Gas Fire Place	REF Refridgerator RHS Rectangular Hollow Section	SERVICES
CW COLD WATER COLD WATER COLD WATER - EXISTING	● PIPEWORK SECTION ■ DIRECTION ARROW	BDO Balcony Drain Outlet BID Bidet	GIT Grease Interceptor Trap GL Ground Level	RL Reduced Level RPZD Reduced Pressure Zone Device	D-101 1:100 HYDRAULIC SERVICES LOWER GROUND PLAN SANITARY AND STORMWATER SERVICES D-102 1:100 HYDRAULIC SERVICES LEVEL 00 PLAN SANITARY AND STORMWATER SERVICES
CW-F COLD WATER FILTERED	NEW CONNECTION	BM Bain Marie BP Bayonet Point	GM Gas Meter GMS Galvanised Mild Steel	RV Reflux Valve RVP Relief Vent Pipe	D-103 1:100 HYDRAULIC SERVICES ROOF PLAN
CD CONDENSATE DRAIN eCD eCD CONDENSATE DRAIN CONDENSATE DRAIN - EXISTING	X-XXX NEXT DRAWING	BR Brass	GO Gutter Outlet	RWH Rain Water Head	D-200 1:100 HYDRAULIC SERVICES LOWER GROUND PLAN WATER, GAS AND FIRE SERVICES
DE DE DIESEL EXHAUST	DIRECTION OF FLOW	BSK Bar Sink BT Boundary trap	GR Gas Regulator GST Grease Stack	RWO Rainwater Outlet S/S Stainless Steel	D-201 1:100 HYDRAULIC SERVICES LEVEL 00 PLAN WATER, GAS AND FIRE SERVICES
DISCONNECTED SERVICE ELEC ELECTRICAL SERVICE	SERVICE DESCRIPTION	BTFWG Bucket Trap Floorwaste Gully BTH Bath	GT Grease Trap GTU Grease Turn Up	S/TR Safe Tray	D-300 N.T.S HYDRAULIC SERVICES DETAIL SHEET 1
FHR FIRE HOSE REEL	SERVICE SIZE DIRECTION OF FLOW	BV Ball Valve	GV Gate Valve	SB Surgeons Basin SDO Spoon Drain Outlet	
FIRE HOSE REEL - EXISTING FIRE HYDRANT	STOP VALVE	BWL Bottom Water Level BWU Boiling Water Unit	GWM Glass Washing Machine GWST Grease Waste Stack	SH Slop Hopper SHR Shower	
	CHECK VALVE BALANCING VALVE	CHV Check Valve CHWU Chilled Water Unit	H/L High Level HD Heavy Duty	SIP Sewer Inspection Pit	
FS FS FS FIRE SERVICE	3 - WAY VALVE	CI Cast Iron	HDPE High Density Polyethylene	SK Sink SL Surface Level	
FSM FIRE SPRINKLER MAIN	BALL VALVE REDUCED PRESSURE ZONE DEVICE	CIC Cast In Column CICL Cast Iron Cement Lined	HP High Point HT Hose Tap	SMH Sewer Manhole SO Syphonic Outlet	
eFSM eFSM eFSM FIRE SPRINKLER MAIN - EXISTING FIRE SPRINKLER RANGE PIPE	▶ PRESSURE RELIEF VALVE	CIS Cast In Slab	HV High Voltage HWM Hot Water Meter	SOF Syphonic Overflow	
FIRE SPRINKLER RANGE PIPE - EXISTING	PRESSURE LIMITING VALVE SOLENOID VALVE	CL Ceiling Level COS Clear Out To Surface	HWU Hot Water Unit	SPD Spreader SPR Sprinkler	
GF GAS GAS GAS SERVICE	DOUBLE CHECK VALVE	CP Chrome Plated CSK Cleaners Sink	ID Inside Diameter IL Invert Level	SQ Square SSHR Safety Shower	
eGAS — eGAS — GAS SERVICE - EXISTING	INFRA RED SENSOR	CST Condensate Stack	IM Ice Machine IO Inspection Opening	SSL Structural Slab Level	
GTVP GTVP GREASE TRAP VENT PIPE eGTVP eGTVP GREASE TRAP VENT PIPE - EXISTING	MONITORED VALVE	CT Cook Top CU Copper	IPMF Induct Pipe Mica Flap	SST Soil Stack ST Stack	
GWD GREASE WASTE DRAINAGE	T) THERMOSTATIC MIXING VALVE TEMPERING VALVE	CV Control Valve CWM Cold Water Meter	IS Inspection Shaft IV Isolation Valve	STD Sprinkler Test Drain STER Steriliser	
eGWD eGWD GREASE WASTE DRAINAGE - EXISTING GWVP GWVP GWVP GREASE WASTE VENT PIPE	₩ATER FILTER	D Disabled	JU Jump Up KIP Kerb Inlet Pit	SV Stop Valve	
eGWVP ————————————————————————————————————	REFLUX VALVE	DB Disabled Basin DCV Double Check Valve	KPA Kilopascal	SWIP Stormwater Inspection Pit SWMH Stormwater Manhole	
HOT WATER FLOW eHWF	REFLUX VALVE IN PIT	DCV-A Double Check Valve Assembly DF Drinking Fountain	KW Kilowatt L Litres	SWP Stormwater Pit SWS Stormwater Sump	
HWF-H HOT WATER FLOW - HEAT TRACED	PATHBOX WATER METER	DG Disconnector Gully	L/L Low Level L/S Litres Per Second	SYP Syphonic	
HOT WATER RETURN eHWR — eHWR — HOT WATER RETURN - EXISTING	☐ GAS METER	DIA Diameter DICL Ductile Iron Cement Lined	LD Light Duty	TB Thrust Block TBR To Be Removed	
— — — INSET BORDER	► EXPANTION JOINT ► STRAINER	DP Downpipe DR Drainage Riser	LPG Liquified Petroleum Gas LT Laundry Tub	TD Tundish TEL Telecommunication Service	
IR	PRESSURE GAUGE	DTU Drainage Turn Up	LU Loading Units	TG Trench Grate	
LTW LABORATORY TRADE WASTE	FS FLOW SWITCH PS PRESSURE SWITCH	DU Dental Unit DWC Disabled Water Closet	LV Low Voltage M Metre	TLV Temperature Limiting Valve TMV Thermostatic Mixing Valve	
	● WATER POINT	DWG Drawing DWM Dish Washing Machine	M.HEAD Metres Head M/S Metres per Second	TPRV Temperature & Pressure Relief Valve TTD Trapped Tundish	
eNCW	TAP SET HOSE TAP	ECV Expansion Control valve	M3/HR Cubic Metres per Hour	TWIP Trade waste Inspection Pit	
NON-POTABLE HOT WATER eNHW eNHW NON-POTABLE HOT WATER - EXISTING	■ BAYONET POINT	EJ Expansion Joint ELEC Electrical Service	MDPE Medium Density Polyethylene MIN Minimum	TWL Top Water Level TWST Trade waste Stack	
NHW-R NON-POTABLE HOT WATER RETURN	REGULATOR PUMP	EW Eye Wash EXT Extinguisher	MJ Megajoules MJD Movement Joint Drain	TWTU Tradewaste Turn Up TYP Typical	
RR RAINWATER RE-USE RAINWATER RE-USE RAINWATER RE-USE - EXISTING	CONTROL PANEL	FC Fume Cupboard	MM Millimetres	U/S Underside	
RW RECLAIMED WATER	FIRE HOSE REEL	FCR For Continuation Refer FD Floor Drain	MS Mild Steel NRV Non-Return Valve	UNO Unless Noted Otherwise UPVC Unplasticised Polyvinal Chloride	
RO RO REVERSE OSMOSIS	HOT WATER UNIT	FFL Finished Floor Level FH Fire Hydrant	NTS Not To Scale NY Nylon	UR Urinal	
eRO eRO REVERSE OSMOSIS - EXISTING	S FIRE HYDRANT	FHBV Fire Hydrant Booster Valve	O/F Overflow	UV Ultra Violet UW Utensil Washer	
SD SD SANITARY DRAINAGE SSD SANITARY DRAINAGE SANITARY DRAINAGE - EXISTING	H STREET HYDRANT	FHR Fire Hose Reel FHV Fire Hydrant Valve	OD Outside Diameter OJ Oblique Junction	VB Vacuum Breaker VCP Vitrified Clay Pipe	
SP SANITARY PLUMBING	DUAL SUCTION POINT	FIP Fire Indicator Panel FR Fridge	ORG Overflow Relief Gully PAPA Positive Air Pressure Attenuator	WC Water Closet	
- esp - esp - SANITARY PLUMBING - EXISTING - SRM - SRM - SRM - SRM - SANITARY RISING MAIN	QUAD SUCTION POINT	FRC Fibre Reinforced Concrete	PDO Planter Drain Outlet	WL Water Level WM Washing Machine (Clothes)	
- eSRM - eSRM - SANITARY RISING MAIN - EXISTING	DUAL BOOSTER POINT	FRS Flushing Rim Sink FSL Finished Surface Level	PEX Cross Linked Polyethylene PFWG Plantroom Floorwaste Gully	WST Waste Stack WT Wash Trough	
SW SANITARY WASTE SW-A SW-A SANITARY WASTE - ACOUSTIC	なる QUAD BOOSTER POINT	FSR Fire Sprinkler Range FU Fixture Units	PG Pressure Gauge PLV Pressure Limiting Valve		
esw esw sanitary waste - existing	⊕ FLOORWASTE	FV Flush Valve	PM Post Mix		
STORMWATER CATCHMENT SWD SWD STORMWATER DRAINAGE	TUNDISH BUCKET TRAP FLOORWASTE			1	1 '
eSWD eSWD STORMWATER DRAINAGE - EXISTING	© CLEAROUT TO SURFACE			<u>!</u>	<u>!</u>
SWRM STORMWATER RISING MAIN eswrm eswrm stormwater rising main - existing	SEWER MANHOLE				
SSD SSD SUBSOIL DRAINAGE	Sever MANHOLE				;
eSSD eSSD SUBSOIL DRAINAGE - EXISTING SOF SOF SOF SYPHONIC OVERFLOW	BOUNDARY TRAP				!
eSOF — eSOF — SYPHONIC OVERFLOW - EXISTING	SURCHARGE GULLY INSPECTION SHAFT			İ	
SSW SYPHONIC STORMWATER essw essw Syphonic Stormwater - Existing	☐ INDUCT PIPE MICA FLAP K AMLOCK CONNECTION			<u> </u>	<u>!</u>
TWD TWD TRADE WASTE DRAINAGE					!
eTWD eTWD TRADE WASTE DRAINAGE - EXISTING TWPO TWPO TWPO TRADE WASTE PUMP OUT	SYPHONIC OUTLET RAINWATER OUTLET			;	i i
	SPREADER				lacksquare
TWRM TWANTER TRADE WASTE RISING MAIN TWYP TWYP TWYP TRADE WASTE VENT PIPE	OVERLAND FLOW ARROW			I	1
eTWVP — eTWVP — TRADE WASTE VENT PIPE - EXISTING	STORMWATER FLOW ARROW			<u>!</u>	!
VP VP VENT PIPE eVP eVP VENT PIPE - EXISTING	PENETRATION / CORE HOLE IN SLAB BEAM PENETRATION				
WWF WARM WATER FLOW	D REDUCER				;
	GREASE ARRESTOR				
ewwr ewwr Warm Water return - existing	GREASE ARRESTOR			1	1
	STORMWATER GRATE			I	
					1
	STORMWATER COVER			!	:
	TRENCH GRATE				
	$\overline{\wedge}$			i	i
	Z REVISION			I	1
				I	
	KERB ENTRY PIT			_	LOCALITY PLAN
	THRUST BLOCK				SCALE N.T.S.
NOTE: THIS IS A STANDARD LEGEND. ALL SYMBOLS MAY NOT NECESSARILY BE USED IN THESE DRAWINGS.	P.A.P.A VALVE				
	RAINWATER HEAD		CH C N/	AME & PATH: F:\SY100049 Prince of Wales Hospital - MHICH\/ Province\	vdraulics\HY-MHICU-SD-D000.dwa PLOTTED BY: 'atosello' PLOT DATE & TIME: 03 Dec. 2010 - 2:27pm





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ISSUE DATE FOR

01	03.12.10	SCHEMATIC DESIGN

KEY PLAN

CLIENT
HEALTH INFRASTRUCTUR
NSW@HEALTH

Health Infrastructure

POW MHICU

PRINCE OF WHALES HOSPITAL PROJECT NUMBER

SY100049 TRUE N

NO.	RTH	\bigcirc	PROJECT NORTH	
PHIC	SCALE			

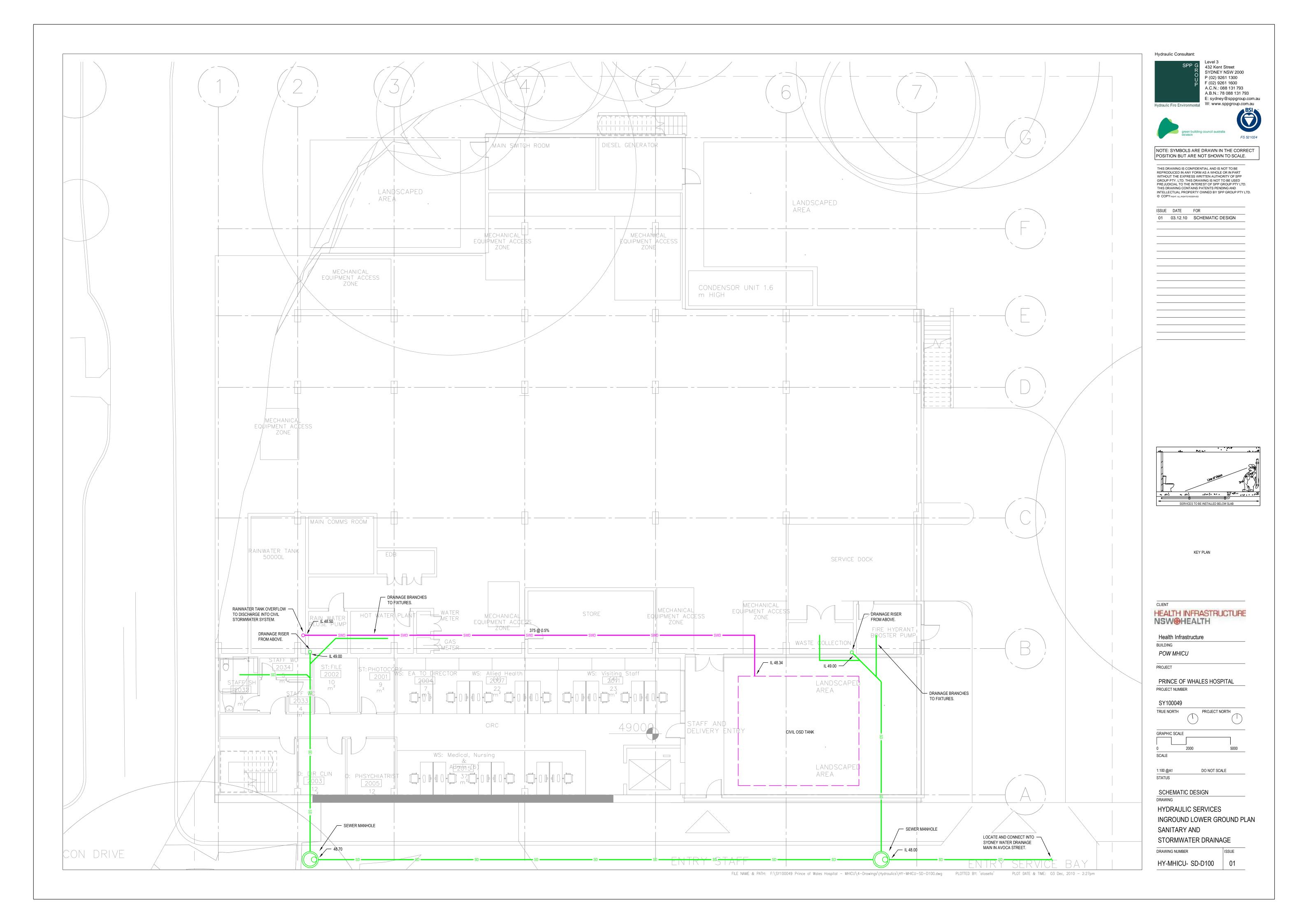
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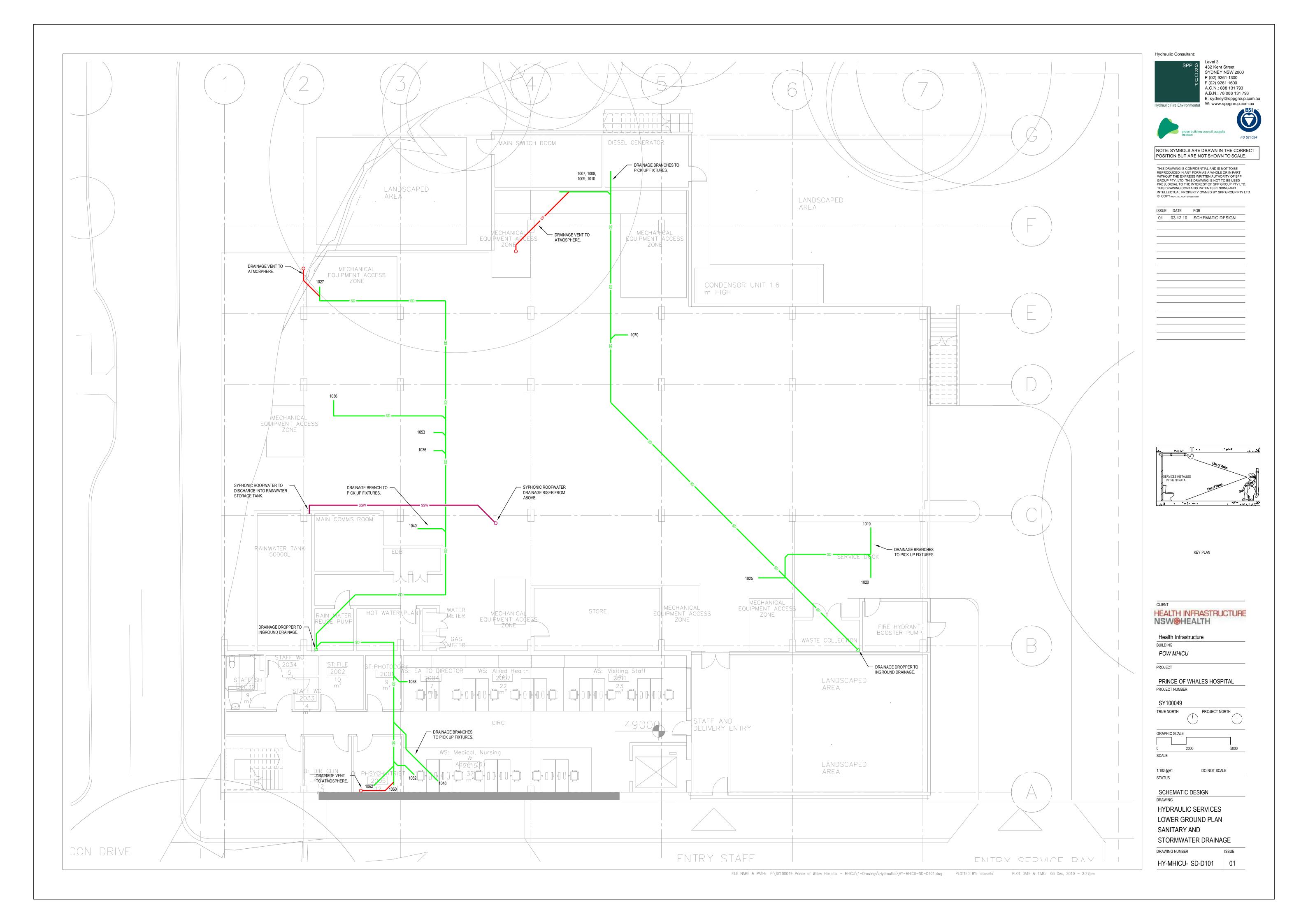
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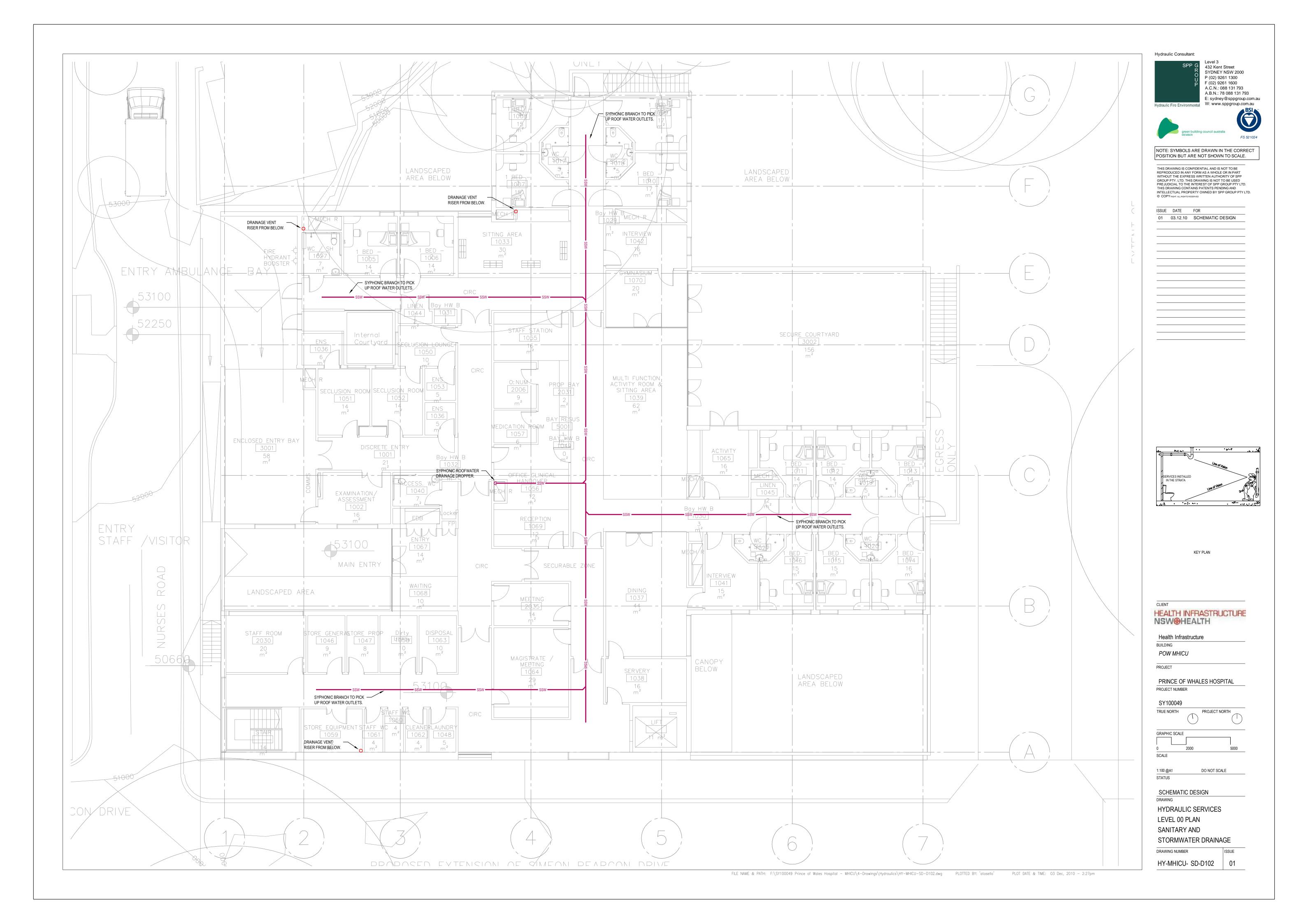
SCHEMATIC DESIGN

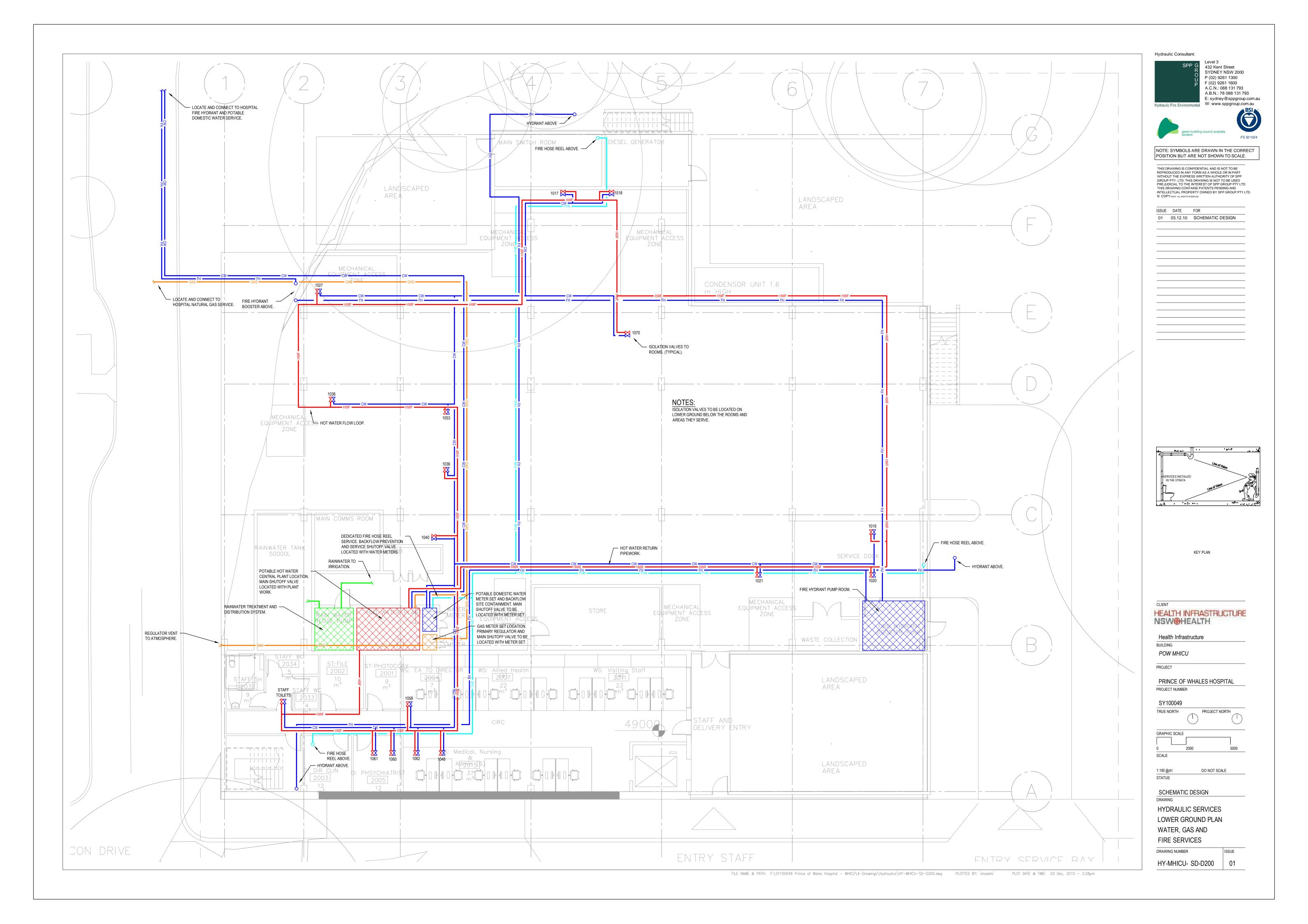
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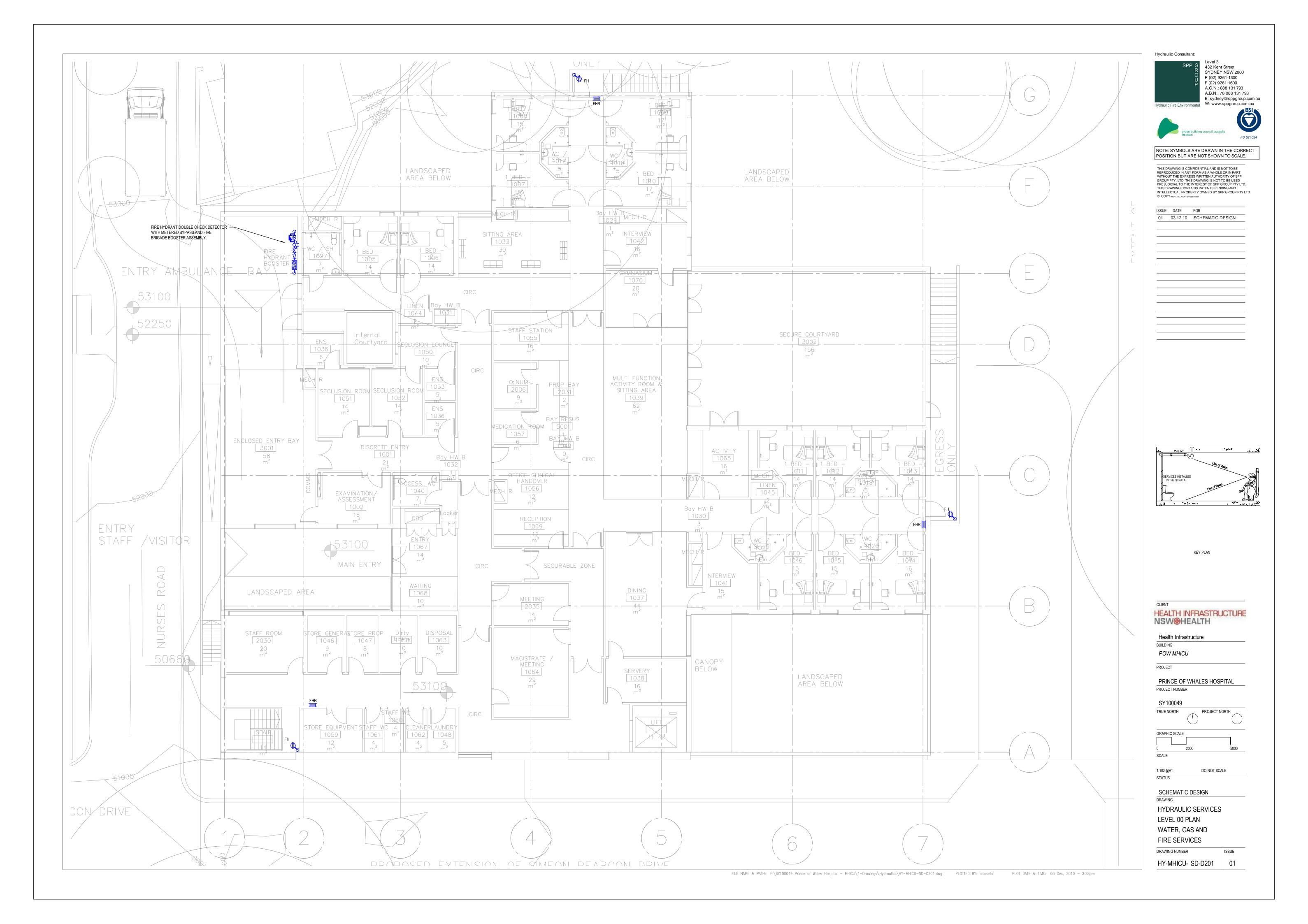
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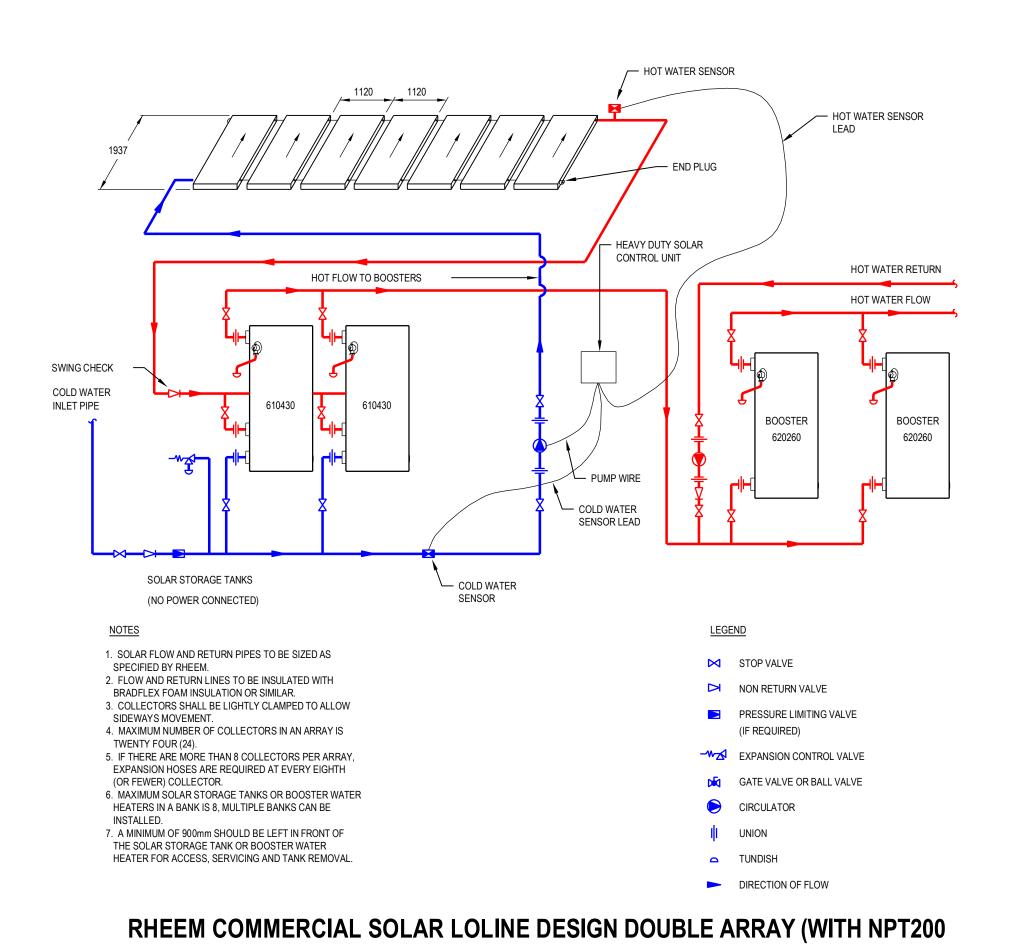




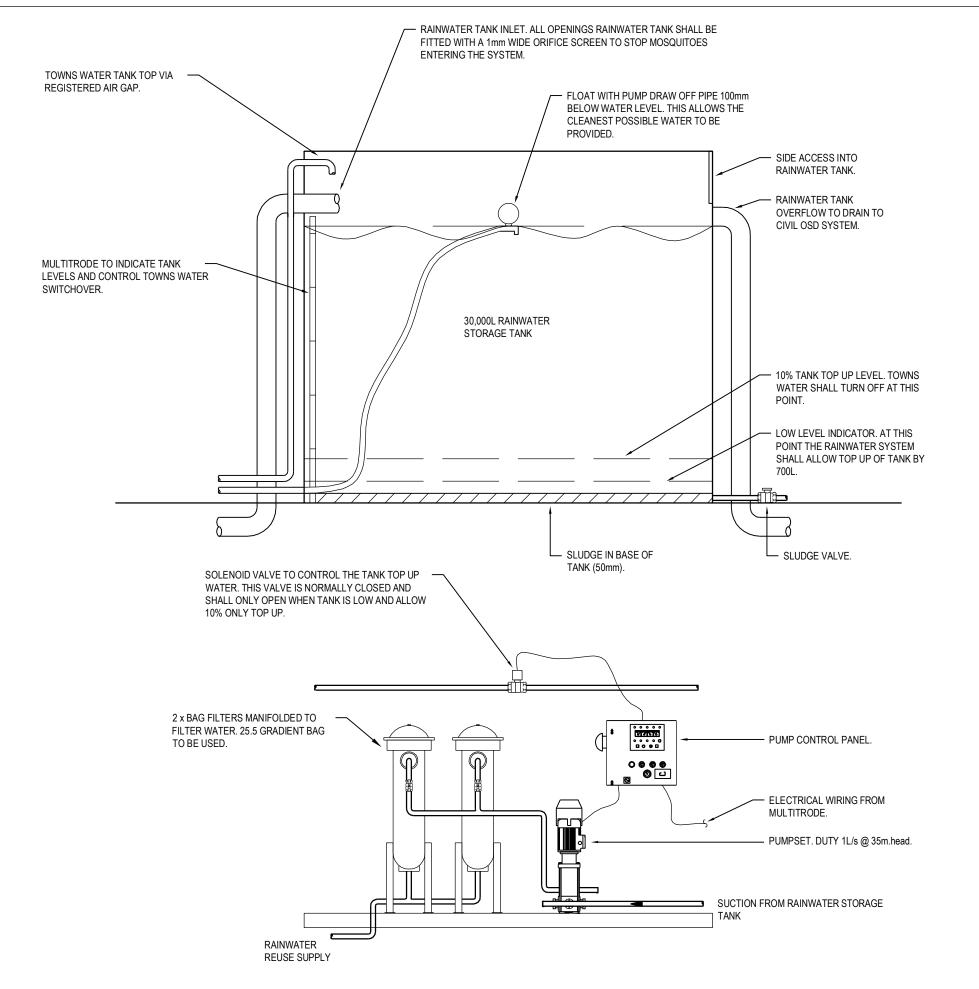




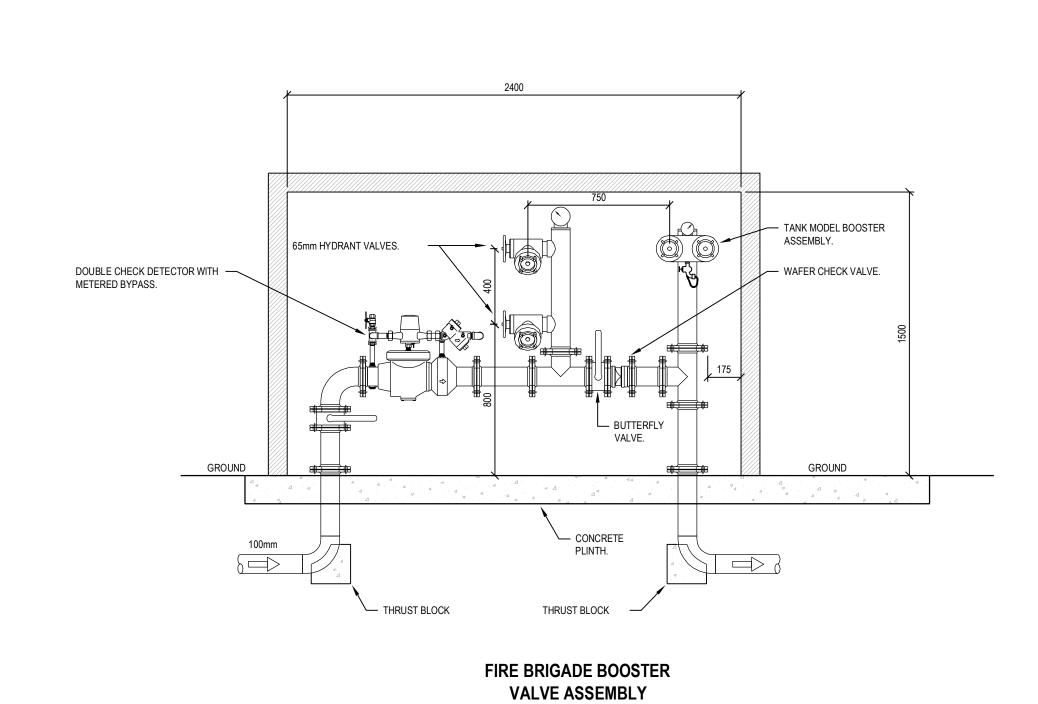




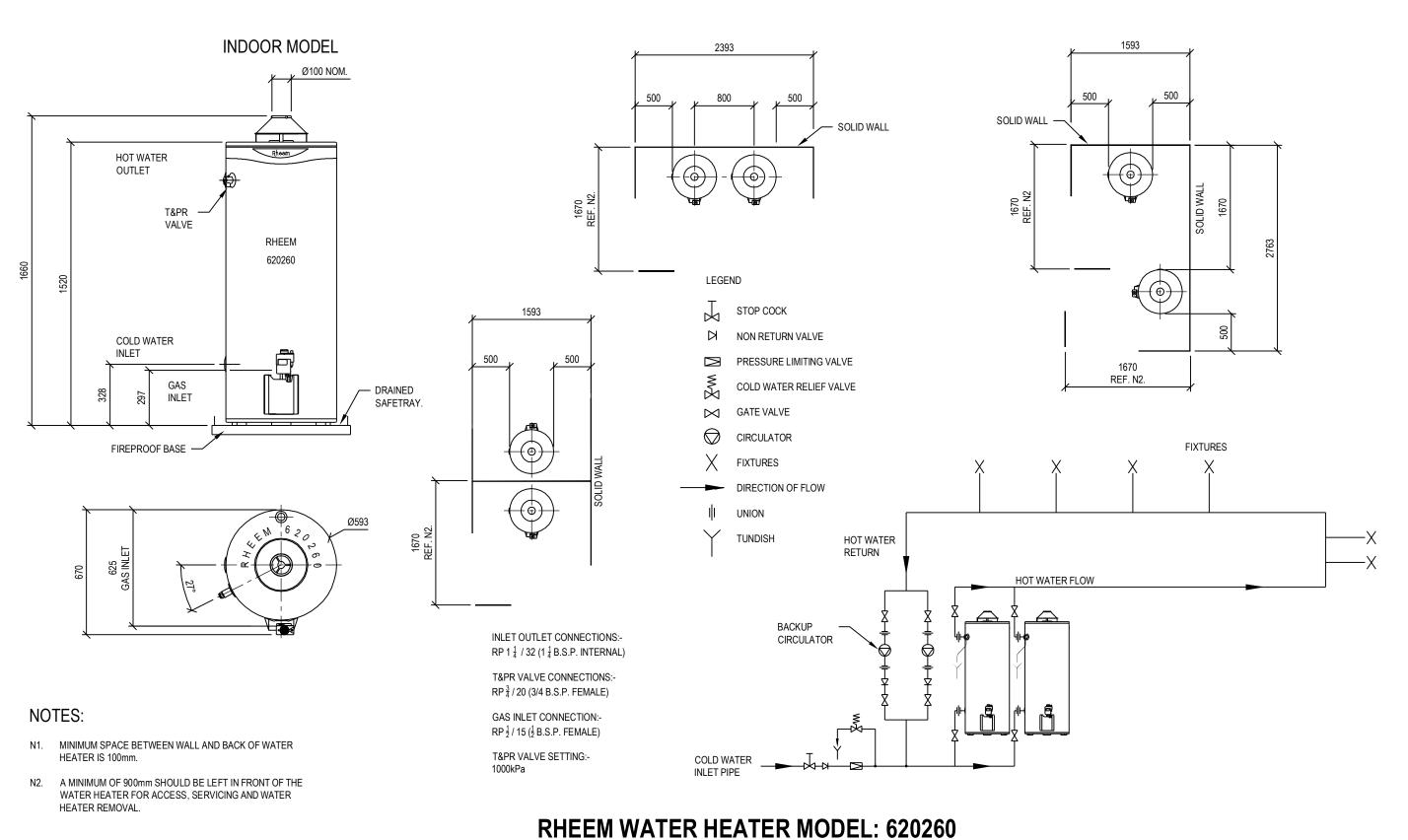
COLLECTORS & MODEL 610430 STORAGE TANKS)



RAINWATER RE-USE TANK DETAIL



SCALE 1:20



N.T.S.

P (02) 9261 1300 F (02) 9261 1600 A.C.N.: 088 131 793 A.B.N.: 78 088 131 793 E: sydney@sppgroup.com.au W: www.sppgroup.com.au NOTE: SYMBOLS ARE DRAWN IN THE CORRECT POSITION BUT ARE NOT SHOWN TO SCALE. THIS DRAWING IS CONFIDENTIAL AND IS NOT TO BE REPRODUCED IN ANY FORM AS A WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN AUTHORITY OF SPP GROUP PTY, LTD, THIS DRAWING IS NOT TO BE USED PREJUDICIAL TO THE INTEREST OF SPP GROUP PTY LTD.
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DRAWING NUMBER

HY-MHICU- SD-D300 01

432 Kent Street SYDNEY NSW 2000

FILE NAME & PATH: F:\SY100049 Prince of Wales Hospital - MHICU\4-Drawings\Hydraulics\HY-MHICU-SD-D300.dwg PLOTTED BY: 'atosello' PLOT DATE & TIME: 03 Dec, 2010 - 2:28pm