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Consultants / Experts-conseils



Project North
North of project

Team North
North of project

Revision / Révision

NO.	DATE	DESCRIPTION	BY	APP'D.
0	ISSUED FOR 100% REVIEW	MM	PL	16.11.24
1	ISSUED / ÉMISSION	For	Appo	Y.A.M.M.D.D
		For	Appo	A.A.M.M.D.D

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		MM	PL	16.11.24
		For	Appo	Y.A.M.M.D.D
		For	Appo	A.A.M.M.D.D

- PLUMBING LEGEND:**
- SAN - SANITARY PIPING BELOW FLOOR
 - DOMESTIC COLD WATER
 - DOMESTIC HOT WATER
 - VENT PIPING
 - GREY WATER RETURN
 - HEATING WATER SUPPLY
 - HEATING WATER RETURN
 - PIPE ELBOW DOWN
 - PIPE ELBOW UP
 - CLEAN OUT
 - FLOOR DRAIN
 - PLUMBING FIXTURE TAG
 - AIR ADMITTANCE VALVE

- HEATING LEGEND:**
- UH-X HORIZONTAL HOT WATER UNIT HEATER (40% PG)
 - HEATING APPLIANCE TAG
 - WALL FIN HEATER
 - UNIT HEATER
 - GLYCOL FEEDER
 - BOILER
 - PUMP
 - SINK
 - EXPANSION TANK
 - HEATING HOT WATER SUPPLY (40% PG)
 - HEATING HOT WATER RETURN (40% PG)
 - THERMOSTAT (LOW VOLTAGE)
 - PUMP
 - BALL VALVE
 - 3-WAY VALVE
 - CIRCUIT BALANCING VALVE
 - SAFETY VALVE
 - SAFETY RELIEF VALVE
 - CONTROL VALVE
 - STRAINER
 - CHECK VALVE
 - AUTOMATIC AIR VENT
 - UNION
 - THERMOMETER AND SEPARABLE WELL
 - CONTROL WIRING
 - INSULATED DUCT
 - CONTROL WIRING

- PLUMBING NOTES:**
- INSTALL ALL PLUMBING AND VENTING AS PER THE LATEST VERSION OF THE NATIONAL PLUMBING CODE.
 - PROVIDE HEAT TRACE FOR DOMESTIC WATER AND SANITARY PIPING IN CRAWL SPACE.
 - ALL DOMESTIC WATER PIPING SHALL BE INSULATED WITH 1" HIGH DENSITY FIBERGLASS INSULATION AND ASS JACKET.
- GENERAL NOTES:**
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2010 NATIONAL BUILDING CODE, PROVINCIAL & MUNICIPAL CODES.
 - THIS DRAWING DESCRIBES THE WORK OF SEVERAL MECHANICAL TRADES. THE MECHANICAL CONTRACTOR SHALL EMPLOY THE APPROPRIATE TRADES TO PERFORM THE WORK INDICATED ON THIS DRAWING.
 - CONTRACTOR SHALL VISIT SITE AND FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS, COORDINATE WITH OTHER TRADES AND SCHEDULE WORK TO THE SATISFACTION OF LMC AND DNO.
 - BEFORE TENDERING, MECHANICAL CONTRACTOR SHALL EXAMINE THE SITE, THE LOCAL CONDITIONS AFFECTING THE WORK OF THIS CONTRACT AND OTHER TRADES AND SHALL SATISFY THEMSELVES THAT THE WORK TO BE PERFORMED IS ACCORDING TO THE REQUIREMENTS OF THE NATIONAL BUILDING CODE AND ALL APPLICABLE DISCREPANCIES PRIOR TO CLOSE OF TENDERS. FAILURE TO DO SO WILL RENDER THIS CONTRACTOR RESPONSIBLE FOR A COMPLETE JOB AS INTENDED.
 - CONTRACTOR SHALL PROVIDE CERTIFICATES OF INSURANCE AND LETTERS OF GOOD STANDING WITH WORKERS COMPENSATION BOARD.
 - CONTRACTOR SHALL PRESENT HIS WRITTEN SAFETY PLAN FOR REVIEW BY PARKS CANADA BEFORE COMMENCING WORK.
 - CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS NECESSARY FOR THE EXECUTION OF THE WORK OF THIS CONTRACT.
 - CONTRACTOR SHALL ARRANGE FOR AND PAY FOR ALL LIFTING AND SHORING NECESSARY FOR THE EXECUTION OF THIS CONTRACT.
 - DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER TENDER DRAWINGS AND SPECIFICATIONS INCLUDING SHOP DRAWINGS.
 - NEW DUCT WORK SHALL BE GALVANIZED STEEL CONSTRUCTED, SEALED AND SUPPORTED TO THE REQUIREMENTS OF THE LATEST EDITION OF THE SIMCMA HVAC DUCT CONSTRUCTION STANDARDS - METAL & FLEXIBLE.
 - BALANCE AIR FLOWS TO SPECIFIED VALUES USING ABC. ALLOW FOR THE CHANGING OF BELTS AND DRIVES IF NEEDED. SUBMIT AN AIR BALANCE REPORT FOR REVIEW BY THE CONSULTANT.
 - CONTRACTOR SHALL ENSURE THAT ALL DUCT OPENINGS ARE COVERED AND FREE FROM DIRT AND DEBRIS DURING CONSTRUCTION.
 - DEMOLITION SHALL BE CONDUCTED IN A SAFE AND ORDERLY FASHION. ALL DEMOLISHED MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF APPROPRIATELY. THOSE ITEMS INTENDED FOR RE-USE SHALL BE STORED ON SITE AND KEPT FROM DAMAGE.
 - DO NOT ALLOW MATERIAL TO ACCUMULATE ON SITE. CLEAN SITE AT THE END OF EACH WORKING DAY AND UPON COMPLETION OF PROJECT.
 - ALL NEW DUCT WORK SHALL BE ROUTED ABOVE CABLE TRAYS. ALLOW A MINIMUM 305mm CLEARANCE BETWEEN TOP OF CABLE TRAYS AND BOTTOM OF DUCTS.
 - CONTRACTOR SHALL RECORD THE ACTUAL INSTALLATION AND INCLUDE ALL DEVIATIONS FROM DESIGN DRAWINGS IN A SET OF CONSTRUCTION DRAWINGS. RETURN THE MARKED UP DRAWINGS TO LMC UPON COMPLETION OF THE JOB.

DOMESTIC HOT WATER HEATER SCHEDULE

TAG	BASIS OF DESIGN	ELECTRICAL DATA	NO. ELEMENTS	ELEMENT WATTAGE	STORAGE CAPACITY (GAL)	DESCRIPTION
DHW-1	A.O. SMITH DRE-120	OUTPUT (kW) 600/3/60 V/Ø/Hz 6.0	3	2000	119	GLASS LINED ELECTRIC DOMESTIC HOT WATER TANK HEATER.

PLUMBING FIXTURE SCHEDULE

TAG	DCW	DHW	SAN	VENT	BASIS OF DESIGN	TRIM	DESCRIPTION
ES-1	1 1/2"	1"	3"	1-1/2"	GUARDIAN G1802P	EMERGENCY WATER TEMPERING VALVE PROVIDED BY OWNER. IN THE DELOIT BUILDING (FLOW SWITCH BY ELECTRICAL)	PEDESTAL MOUNTED, COMBINATION SHOWER AND EYE WASH, C/W FLOOR DRAIN AND FLOW SWITCH CONNECTED TO FIRE PANEL
SK-1	1/2"	1-1/2"	1-1/2"	1-1/4"	SINK SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR.	TRIM SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR.	OWNER WILL ALSO SUPPLY GLASS P-TRAP FOR INSTALLATION WITH SINK.

