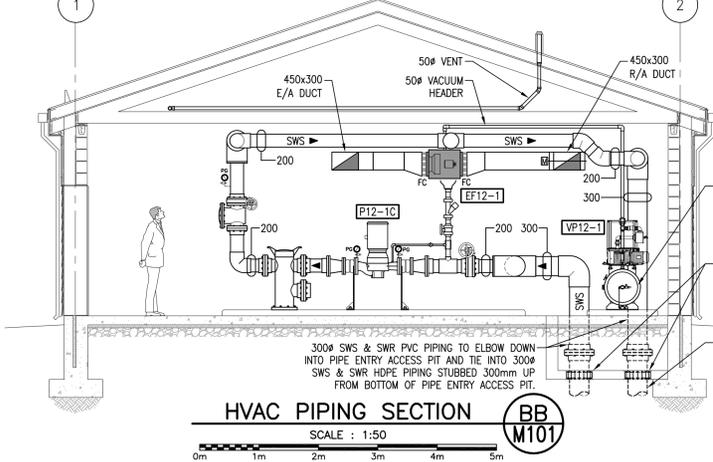
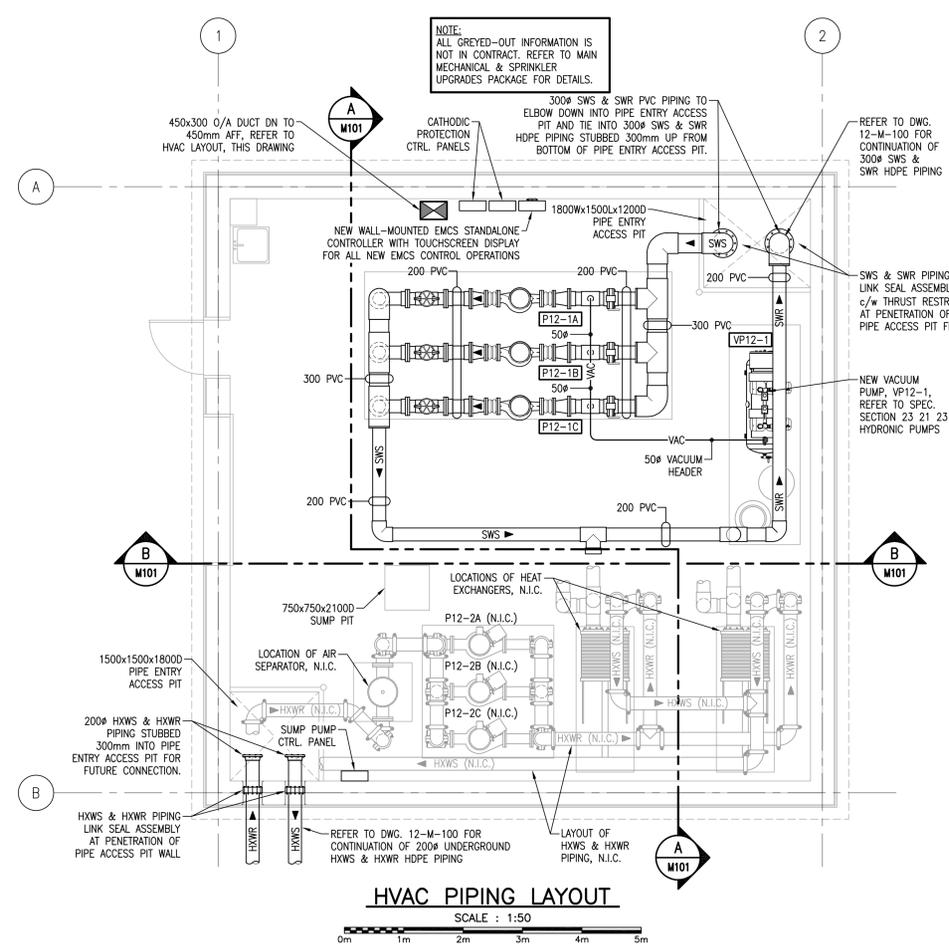
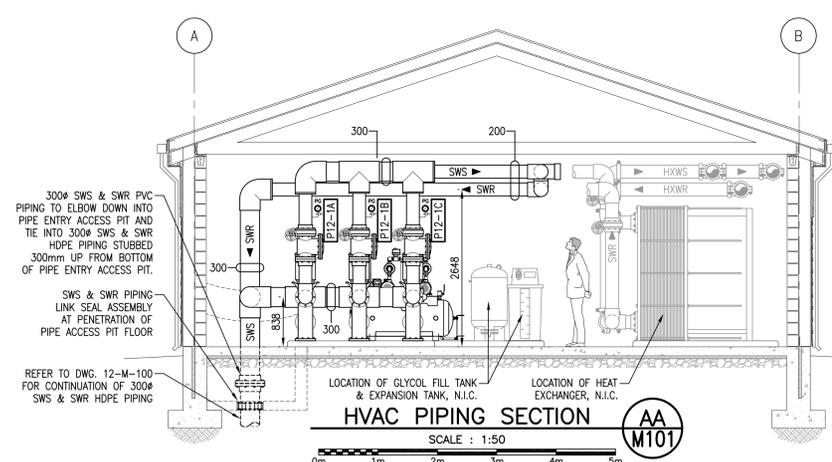
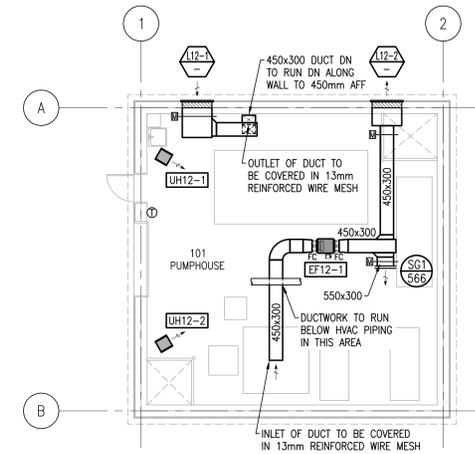
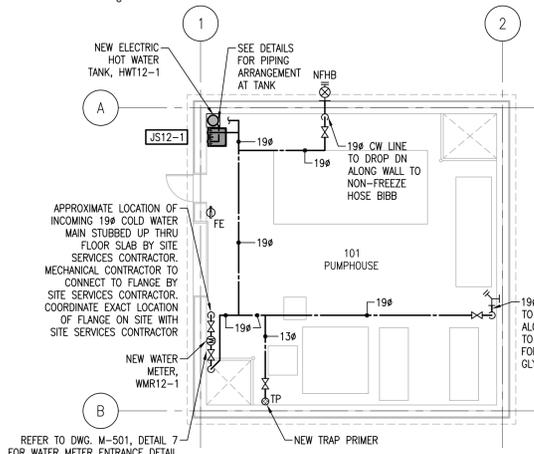
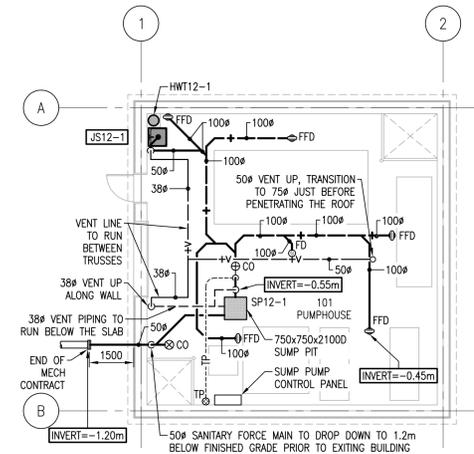


- ### MECHANICAL GENERAL NOTES
- MINIMUM SIZE OF UNDERGROUND PIPING SHALL BE 50mm.
 - UNDERGROUND DRAINAGE PIPING TO BE PVC EXCEPT AS NOTED OTHERWISE.
 - ALL SANITARY PIPING 50mm AND 75mm SHALL HAVE A 2% SLOPE.
 - ALL SANITARY PIPING 100mm AND LARGER SHALL HAVE A 1% SLOPE.
 - LOCATION OF SANITARY STUBS ARE APPROXIMATE. EXACT PIPE STUB LOCATIONS SHALL BE COORDINATED WITH ARCHITECTURAL FLOOR PLANS TO ENSURE PIPES WILL BE CONCEALED.
 - INSTALL CLEANOUTS WHERE REQUIRED BY THE NATIONAL PLUMBING CODE OF CANADA TO CLEAN OUT ENTIRE DRAINAGE SYSTEM. WHEN USING A DOUBLE TY, INSTALL CLEANOUT BELOW CONNECTION.
 - EQUIPMENT AND FIXTURE LOCATIONS MAY NOT BE PRECISE. VERIFY LOCATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.
 - HOLE THROUGH CONCRETE FLOORS AND WALLS, IN A NEAT FASHION, ARE TO BE PROVIDED BY THIS CONTRACTOR.
 - PROVIDE FLOOR DRAINS WITH A 100mm DRAIN AND TRAP SEAL PRIMER PIPE UNLESS INDICATED OTHERWISE.
 - COORDINATE LOCATIONS OF FLOOR DRAINS FOR DRAINAGE OF EQUIPMENT, PRESSURE RELIEF VALVES, ETC. TO AVOID TRIPPING HAZARDS.
 - INSTALL WATER HAMMER ARRESTORS AS SPECIFIED. INSTALL WHERE RECOMMENDED BY MANUFACTURER.
 - DUE TO THE SMALL SCALE OF THE DRAWINGS, NOT ALL OFFSETS, FITTINGS, ETC. AS SHOWN. PROVIDE ALL REQUIRED PIPING, ETC. FOR A COMPLETE WORKING SYSTEM IN ACCORDANCE WITH CODES.
 - 100mm HIGH CONCRETE HOUSEKEEPING PADS FOR FLOOR MOUNTED EQUIPMENT PROVIDED BY STRUCTURAL CONTRACTOR. COORDINATE EXACT SIZE AND LOCATION ON SITE.



12 - SEAWATER PUMPHOUSE - EXHAUST FAN SCHEDULE

MARK	SERVING	LOCATION	ARRANGEMENT & DRIVE	FAN DATA		MOTOR DATA		STARTER DATA		INLET SOUND (Hz)							COMMENTS			
				AIR FLOW (L/s)	SP (Pa)	FAN RPM	MOTOR (kW)	ELECTRICAL (VOLT/PH)	TYPE	LOCATION	FAN INTERLOCKING	63	125	250	500	1000		2000	4000	8000
EF12-1	SEAWATER PUMPHOUSE	101 PUMPHOUSE	INLINE/DIRECT	566	125	1230	0.19	120/1	MAGNETIC	SEE ELEC. DWGS.	EMCS	63	125	250	500	1000	2000	4000	8000	c/w SPRING HANGING ISOLATION KIT, FACTORY INSTALLED DISCONNECT SWITCH

12 - SEAWATER PUMPHOUSE - PLUMBING FIXTURE CONNECTION SCHEDULE

MARK	FIXTURE	PIPE SIZE (mm)					REMARKS
		CW	HW	DIRECT	INDIRECT	VENT	
JS12-1	JANITOR SINK, FLOOR MOUNT	13	13	38	-	38	600mm x 600mm SINK WITH LEGS, REFER TO SPECIFICATIONS FOR DETAILS

NOTE: - MECHANICAL CONTRACTOR TO VERIFY ALL PLUMBING SIZING CONNECTIONS WITH OWNER PRIOR TO INSTALLATION

12 - SEAWATER PUMPHOUSE - PUMP SCHEDULE

DESIGNATION	LOCATION	APPLICATION	PUMP TYPE	FLOW RATE (L/s)	HEAD (kPa)	MOTOR (kW)	ELECT. DATA	MOTOR RPM	STARTER	STARTER LOCATION	CONTROLS	COMMENTS
P12-1B	SEAWATER PUMPHOUSE	SEAWATER INTAKE	VERTICAL INLINE	32.0	120	7.46	575/3	1770	MAGNETIC STARTER BY DW. 26	REFER TO ELEC. DRAWINGS	EMCS	- SEAWATER (50% CAPACITY) - REFER TO SPEC. SECTION 23 21 23 HYDRONIC PUMPS
P12-1C	SEAWATER PUMPHOUSE	SEAWATER INTAKE	VERTICAL INLINE	32.0	120	7.46	575/3	1770	MAGNETIC STARTER BY DW. 26	REFER TO ELEC. DRAWINGS	EMCS	- SEAWATER (50% CAPACITY) - REFER TO SPEC. SECTION 23 21 23 HYDRONIC PUMPS

12 - SEAWATER PUMPHOUSE - SIDEWALL SUPPLY GRILLE SCHEDULE

MARK	TYPE	STYLE	NECK SIZE (mm)	FACE SIZE (L/s)	CAPACITY (L/s)	NC LEVEL	SP (Pa)	COMMENTS

NOTES: c/w ALUMINUM OPPOSED BLADE DAMPER, SURFACE MOUNT BORDER, COUNTER SUNK SCREWS, FRONT BLADES PARALLEL TO LONG DIMENSION.

12 - SEAWATER PUMPHOUSE - ELECTRIC UNIT HEATER SCHEDULE

MARK	ARRANGEMENT	HEATING CAPACITY (kW)	AIR QUANTITY FLOW (L/s)	SP (Pa)	AIR TEMP. RISE (°C)	MOTOR		COMMENTS
						WATTS	RPM	
UH12-1	HORIZONTAL UNIT HEATER	10.0	331	-	25	25	1550	-
UH12-2	HORIZONTAL UNIT HEATER	10.0	331	-	25	25	1550	-

12 - SEAWATER PUMPHOUSE - LOUVER SCHEDULE

MARK	TYPE	STYLE	SERVING	AIRFLOW (L/s)	DIMENSIONS		COMMENTS
					LENGTH (mm)	HEIGHT (mm)	
L12-1	DRAINABLE EXTRUDED ALUM.	FIXED 35° BLADE	SEAWATER PUMP HOUSE INTAKE	566	1000	400	c/w BIRDSCREEN
L12-2	DRAINABLE EXTRUDED ALUM.	FIXED 35° BLADE	SEAWATER PUMP HOUSE EXHAUST	566	1000	400	c/w BIRDSCREEN

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APPROX. NORTH

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GENERAL NOTES:

DO NOT SCALE THIS DRAWING FOR CONSTRUCTION PURPOSES. THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH SPECIFICATIONS AND GENERAL CONTRACTUAL CONDITIONS.

ALL DIMENSIONS AND CONDITIONS ARE TO BE VERIFIED ON SITE. ALL DISCREPANCIES ARE TO BE REPORTED TO THE DEPARTMENTAL REPRESENTATIVE AND AGREED UPON WITH THEM IN WRITING BEFORE PROCEEDING WITH WORKS.

INFORMATION ON THESE DRAWINGS IS TO BE USED FOR THIS PROJECT ONLY AND SHALL NOT BE USED FOR ANY OTHER PURPOSE.

PROFESSIONAL ENGINEER
06/29/18
R.J. KELLY
5180
PROVINCE OF NEW SCOTIA

0	Issued for Tender	06/29/18
revisions		date
project	CANADIAN COAST GUARD COLLEGE, SYDNEY, NS SEAWATER SYSTEM & PUMPHOUSE CONSTRUCTION	
drawing	design	
designed	MJM	conçu
date	06/29/18	
drawn	MAC	dessiné
date	06/29/18	
approved	RJK	approuvé
date	06/29/18	
Tender	Joan Muise	
Project Manager	PWSCG Project Manager / Administrateur de projets TPSCG	
project number	R.065476.711	
drawing no.	12-M-101	