

PLUMBING EQUIPMENT LIST		
ITEM No.	DESCRIPTION	MF'R/MODEL
FD-1	AREA FLOOR DRAIN EPOXY COATED WITH ANCHOR FLANGE. 325x325 C/W DUCTILE IRON HINGED GRATE, INTEGRAL TRAP WITH CLEANOUT PLUG AND SEDIMENT BUCKET.	WATTS / FD-430
CO-1	DRAIN CLEAN-OUT ADJUSTABLE, DURA COATED CAST IRON BODY SIZE TO SUIT DRAIN LINE.	ZURN / Z-1400 SERIES
TSP	AUTOMATIC TRAP SEAL PRIMER PROVIDE MULTIPLE TSP'S TO LIMIT LINE LENGTHS. EVERY FLOOR DRAIN TRAP SHALL BE CONNECTED TO A PRIMER.	ZURN / Z-1022
HB-1	BRASS HOSE BIB STANDARD THREAD SIZE AS PER DRAWING.	MUELLER / 103-054
BFP	REDUCED PRESSURE BACKFLOW PREVENTER INSTALL ON DOMESTIC WATER SUPPLY TO BUILDING AND ALL OTHER POINTS OF POSSIBLE CROSS CONNECTION. SIZE: LINE SIZE	WATTS / 909
CS-1	VITREOUS CHINA SERVICE SINK C/W WALL BRACKET, DRAIN TAIL PIECE, STRAINER, S-TRAP TO FLOOR, TWO HANDLE LEVER STYLE MOEN FAUCET (MODEL 8230), AND CORROSION RESISTANT INSTALLATION HARDWARE.	CRANE / 7503S
HR-1	WALL MOUNTED STAINLESS STEEL HOSE REEL C/W NON SPARK RATCHET ASSEMBLY, STANDARD 90DEG. STAINLESS STEEL BALL BEARING SWIVEL JOINT 1/2" FEMALE NPT THREAD, STANDARD OUTLET 1/2" FEMALE NPT THREAD. ADJUSTABLE FOG NOZZLE SPRAY GUN, 5FT LEADER HOSE, 60 FT OF HOSE TO SUIT & CORROSION RESISTANT WALL MOUNT INSTALLATION HARDWARE.	HANNAY / SSN700 SERIES NOZZLE / SL100-12N
PRV-1	PRESSURE REDUCING VALVE - LOW PRESSURE VERSION. INLET PRESSURE: 586 KPA, (85 PSI) OUTLET PRESSURE: 195 KPA, (28 PSI) FLOW: .95 L/s, (30 USGPM) C/W SUPPLY FLOW STRAINER	WATTS / 223-SLP
WTV-1	WATER TEMPERING VALVE. SIZE: 32mm INLETS X 32mm OUTLET, (1-1/4" INLETS X 1-1/4" OUTLET.) HOT WATER INLET TEMP: 60 °C, (140 °F) COLD WATER INLET TEMP: 4 °C, (40 °F) OUTLET TEMP. RANGE: 32 TO 82 °C (90 TO 180 °F) FLOW: 2 L/S AT 34 KPA, (30 USGPM @ 5 PSI PRESSURE DROP.) C/W INTEGRAL FLOW CHECK STOPS AND STRAINERS ON BOTH SUPPLY LINES.	WATTS / N170 M3 CSUT
EW-1	EMERGENCY EYE/FACE WASH STATION (WALL MTD.) C/W WALL BRACKET, S.S. 11" ROUND BOWL, POP OFF DUST CAP FOR EYE WASH HEAD, TAIL PIECE & TRAP.	HAWS / 7360BT
A-1	THERMOSTAT FOR HOT WATER STORAGE TANK AQUASTAT FOR HOT WATER TANK TO SUIT EXISTING JOHN WOOD MODEL CST-80, CAT. S-4080 SER. R1010F706103 HOT WATER STORAGE TANK. TEMPERATURE RANGE: 49 TO 71 °C (120 TO 160 °F)	JOHN WOOD / THERMOSTAT TO SUIT CST-80 STORAGE TANK
A-2	HIGH LIMIT THERMOSTAT FOR HOT WATER STORAGE TANK. HIGH LIMIT AQUASTAT FOR HOT WATER TANK TO SUIT EXISTING JOHN WOOD MODEL CST-80, CAT. S-4080, SER. R1010F706103 HOT WATER STORAGE TANK. HIGH LIMIT TEMPERATURE: 82 °C (180 °F)	JOHN WOOD / HIGH LIMIT THERMOSTAT TO SUIT CST-80 STORAGE TANK.
FD-2	FLOOR DRAIN C/W TRAP PRIMER CONNECTION, NICKLE BRONZE GRATE & VANDAL PROOF SECURED TOP. 75# CONNECTION	ZURN / ZN415-BP

PLUMBING & DRAINAGE NOTES

- INSTALL ALL PLUMBING AND DRAINAGE SYSTEMS IN STRICT ACCORDANCE WITH THE NATIONAL PLUMBING CODE, AND TO THE REQUIREMENTS OF LOCAL AUTHORITIES.
- SLOPE NOMINALLY HORIZONTAL DRAIN LINES AT A MINIMUM 1:100 UNLESS NOTED OTHERWISE.
- YOKE SANITARY VENTS IN WALLS OR CEILING SPACES TO MINIMIZE BUILDING ENVELOPE PENETRATIONS. MINIMUM ROOF PENETRATION SIZE FOR VENTS IS 75#.
- ALL FLOOR DRAINS TO HAVE TRAP SEAL PRIMERS, LOCATION OF TRAP SEAL DIST. HEADERS TO BE DETERMINED IN THE FIELD. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR FLOOR DRAIN / PRIMER LINES FOR REVIEW PRIOR TO ANY INSTALLATION WORKS PROCEEDING.
- HOT AND COLD WATER SUPPLY PIPING TO BE COPPER.
- INSULATE ALL HOT AND COLD WATER LINES WITH 25mm THICK PRE-FORMED PIPE INSULATION COVERED WITH ASJ, (VAPOUR PROOF JACKET).

PIPE SCHEDULE

PIPING BURIED OR CAST IN CONCRETE

POTABLE WATER	- 75mm AND OVER --- DUCTILE IRON
(HOT & COLD)	- 62mm AND UNDER --- SCHED. 80 CPVC
SANITARY WASTE	- PVC SEWER PIPE
TRAP PRIMER LINE	- 12mm SCHED. 80 PVC

PIPING - INSIDE BUILDING

POTABLE WATER	- 62mm AND OVER --- SCHED. 80 PVC
(BELOW FLOOR SLAB)	- 50mm AND UNDER --- SCHED. 80 PVC
POTABLE WATER	- 75mm AND OVER --- DUCTILE IRON
(ABOVE FLOOR SLAB)	- 62mm AND UNDER --- SCHED. 80 CPVC
SANITARY WASTE	- ABS DWV (ABOVE FLOOR SLAB)
AND VENT	- PVC SDR35 (BELOW FLOOR SLAB)
FUEL OIL	- MILL STEEL PIPE SCHED 40

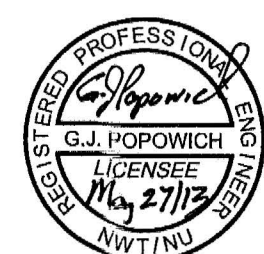
MINIMUM FIXTURE CONNECTIONS

ITEM	DESCRIPTION	PLUMBING CONNECTIONS			
		SANITARY	COLD WATER	HOT WATER	VENT
LAV	LAVATORY (ALL)	36mm	12mm	12mm	36mm
WC	WATER CLOSET (ALL)	75mm	25mm	---	36mm
TSP	TRAP SEAL PRIMER	---	12mm	---	---
FD	FLOOR DRAIN (ALL)	75mm	---	---	---

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- The contractor shall verify all dimensions, levels, and datums on site and report any discrepancies or omissions to this office prior to construction.
- This drawing is to be read and understood in conjunction with all other plans and documents applicable to this project.
- Do not scale the drawings.

Issue / Revision	Date
1 ISSUED FOR TENDER	FEBRUARY 2013
2 REVISED AS PER ADDENDUM 1 TO 4 AND ISSUED FOR CONSTRUCTION	APRIL 2013

PERMIT TO PRACTICE
Nuna Burnside Engineering and Environmental Ltd.
Signature: *[Signature]*
Date: May 27/13
PERMIT NUMBER: P 535
The Association of Professional Engineers,
Geologists and Geophysicists of NWT/NU



Nuna BURNSIDE

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Client
GOVERNMENT OF NUNAVUT
COMMUNITY & GOVERNMENT
SERVICES
RANKIN INLET
SEWAGE TREATMENT PLANT

Drawing Title
GROUND FLOOR
MECHANICAL
PLUMBING LAYOUT

Drawn By A.H.	Checked By D.Mack.	Drawing No. M-11
Scale AS NOTED	Project No. 300031281	