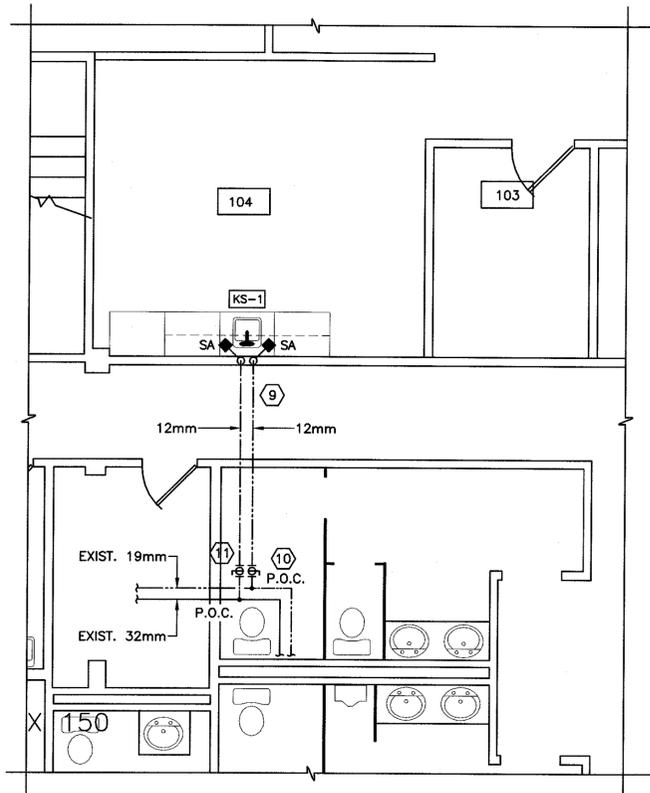


PARTIAL 1st FLOOR PLAN - SANITARY

SCALE: 1:50
0m 1m 2m 3m 4m 5m



PARTIAL 1st FLOOR PLAN - DOMESTIC WATER

SCALE: 1:50
0m 1m 2m 3m 4m 5m

GENERAL NOTES

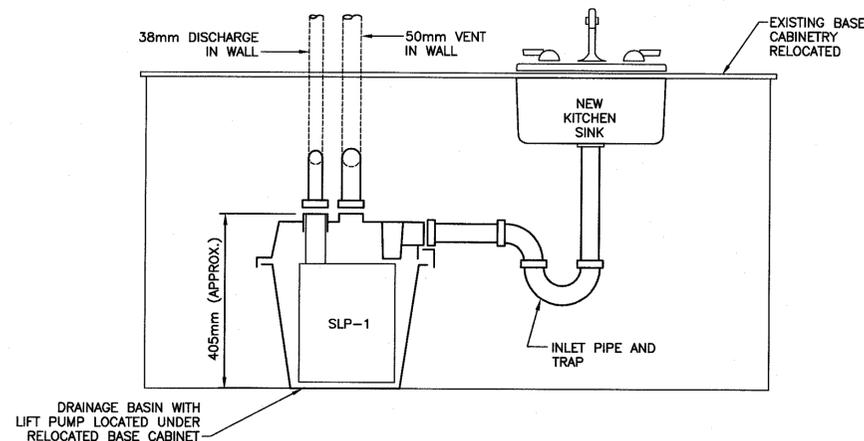
- 1 WORK OF THIS CONTRACT SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL PLUMBING CODE NATIONAL BUILDING CODE AND LOCAL AUTHORITIES HAVING JURISDICTION.
- 2 PLUMBING DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER TENDER DOCUMENTS INCLUDING SHOP DRAWINGS.
- 3 THIS CONTRACTOR SHALL COORDINATE HIS WORK IN STRICT ACCORDANCE WITH APPLICABLE CODES, REGULATIONS, AND THE WORK OF OTHER TRADES. THE MORE STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE WHERE THERE IS A CONFLICT BETWEEN CODES AND REFERENCE STANDARDS.
- 4 PLUMBING DRAWINGS ARE GENERALLY SCHEMATIC IN NATURE. ARCHITECTURAL DRAWINGS SHALL GOVERN FOR ANY MEASUREMENTS RELATING TO THE INSTALLATION OF PLUMBING SERVICES.
- 5 THIS CONTRACTOR SHALL PROVIDE AND INSTALL ALL VALVES, TRAPS, AND TRAP PRIMING DEVICES, AND REQUIRED FITTINGS TO MAKE EQUIPMENT FULLY FUNCTIONAL.
- 6 SUBMIT SHOP DRAWINGS FOR PLUMBING FIXTURES, TRIM, ACCESSORIES, SHOCK ARRESTERS, FLOOR DRAINS, VALVES, CLEANOUTS, ACCESS DOORS, AND TRAP PRIMING VALVES IN ACCORDANCE WITH GENERAL CONDITIONS. ACCEPTABLE PRODUCTS NAMED SHALL MEET ALL REQUIREMENTS OF SPECIFIED PRODUCTS.
- 7 HANGERS FOR COPPER PIPING SHALL BE COPPER TYPE, CLEVIS, AND SHALL BE PROVIDED WITH PREFABRICATED INSULATION SHIELDS FOR INSULATED PIPING.
PIPE SIZE: UP TO 19mm 25mm
HANGER SPACING: 1220mm 2135mm
- 8 INSULATE DOMESTIC WATER PIPING WITH 25mm HIGH DENSITY FIBERGLASS INSULATION C/W ALL SERVICE JACKET. INSTALL PVC COVER IN EXPOSED AREAS.
- 9 CHROME PLATED OR STAINLESS STEEL ESCUTCHEONS SHALL BE INSTALLED ON PIPING PASSING THROUGH FINISHED WALLS, CEILINGS, AND FLOORS. ESCUTCHEONS SHALL BE C/W SET SCREWS FOR CEILING AND WALL MOUNTING.
- 10 ALL CUTTING AND PATCHING RELATED TO PLUMBING INSTALLATION SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- 11 ALL PIPING DISCHARGING TO HUB DRAINS SHALL HAVE MINIMUM AIR GAP REQUIRED BY THE NPC.
- 12 LABEL ALL PIPING PER ANSI STANDARDS.
- 13 CONDENSATE DRAINAGE PIPING SHALL BE TYPE 'L' COPPER INSULATED WITH FIBERGLASS WRAP C/W VAPOR BARRIER.
- 14 GENERAL CONTRACTOR SHALL PROVIDE BASES FOR FLOOR MOUNTED EQUIPMENT IN PLUMBING CONTRACT.
- 15 RUN PIPING VERTICALLY IN WALLS. AVOID HORIZONTAL PIPING IN WALLS. WHERE HORIZONTAL PIPING CANNOT BE AVOIDED, ADDITIONAL FURRING OR PIPE CHASE SHALL BE INSTALLED TO DEPARTMENTAL REPRESENTATIVE'S APPROVAL.
- 16 THIS CONTRACTOR SHALL PROVIDE ACCESS FOR ISOLATION VALVES ABOVE GYPSUM BOARD CEILINGS.
- 17 PROVIDE DIELECTRIC UNIONS AT ALL CONNECTIONS BETWEEN DISSIMILAR METALS.
- 18 THIS CONTRACTOR SHALL ENSURE THAT PIPE OPENINGS ARE PROTECTED FROM DIRT AND DEBRIS DURING CONSTRUCTION.
- 19 INSTALL UNIONS AFTER EACH THREADED VALVE AND AT EQUIPMENT. INSTALL DIELECTRIC UNIONS WHERE PIPES OF DISSIMILAR METALS ARE JOINED. THREADED UNIONS: BRONZE 150psi RATED WITH GROUND SEATS.
- 20 WASTE PIPING:
3" AND UNDER, ABOVE SLAB - COPPER DWV TO ASTM B306 AND B16.29 OR CAST IRON TO ANSI/ASME B16.12 W/ MJ FITTINGS. 2" AND LARGER BELOW SLAB - CAST IRON AS NOTED ABOVE, DWV ABS TO CAN/CSA-B181.1, DWV PVC TO CAN/CSA B181.2. COPPER FITTINGS: DRAINAGE PATTERN COPPER OR CAST BRASS WITH 50/50 SOLDER JOINTS. COPPER TO CAST IRON JOINTS TO BE MADE WITH MALE BRASS ADAPTERS, TAPED OR CAULKED FERRULE TO HUB FITTING.
- 21 DOMESTIC WATER PIPING: TYPE 'L' HARD TEMPER TO ASTM B42 AND ASTM B88. FITTINGS TO ANSI B16.18 OR ANSI/ASME B16.22 EXCEPT WHERE COMPRESSION FITTINGS ARE REQUIRED.
JOINTS - 95:5 ANTIMONIAL TIN SOLDER OR LEAD FREE SOLDER, TO BE VERIFIED IN WRITING BY THIS CONTRACTOR.
- 22 VALVES: 2" AND UNDER, ONE MANUFACTURER, BRONZE BODY, ANSI CLASS 150, NON-SHOCK, TO MSS SP-80, SCREWED OR SOLDERED.
BALL: CRANE 9302, JENKINS 201J/202J, RED & WHITE 5044A/5049A.
- 23 SHOCK ARRESTORS: TO PD1-WH201 STANDARD, SIZES AS NOTED ON DRAWINGS - ZURN Z-1700 "SHOCKTROL". ACCEPTABLE STD.: PRECISION PLUMBING PRODUCTS, WATTS, JAY R. SMITH, MIFAB.
- 24 TRAP PRIMING VALVES: TO NATIONAL AND LOCAL PLUMBING CODES, AS NOTED ON DRAWINGS - ZURN Z-1022. ACCEPTABLE STD.: PRECISION PLUMBING PRODUCTS, JAY R. SMITH, WATTS, MIFAB.
ACCESS: 8"x8" HINGED ACCESS DOOR WHERE REQUIRED OR NOTED ON DRAWINGS - PPP D-88PC WITH SD CAM LOCK, 14Gg PRIMED STEEL FRAME.
ACCEPTABLE STANDARD: ZURN, SMS, LEHAGE, MIFAB.
- 25 CLEANOUTS:
WALL TYPE: HUBLESS CLEANOUT TEE, CAST IRON OR COPPER DWV BODY, GAS/WATER TIGHT PLUG.
ACCESS: ZURN ZANB-1460 8"x8" SQUARE PANEL AND FRAME WITH SMOOTH FINISH, FLUSH TYPE, VP SCREWS.
ACCEPTABLE STD.: JAY R. SMITH, WATTS, MIFAB.

KEY NOTES

- 1 38mm DRAIN AND TRAP FROM NEW KITCHEN SINK KS-1.
- 2 NEW SINK DRAINAGE LIFT PUMP AND BASIN LOCATED UNDER COUNTER. COORDINATE WITH MILLWORK CONTRACTOR.
- 3 NEW 38mm SANITARY LINE AND 50mm VENT ROUTED UP INSIDE EXISTING PARTITION WALL AND ACROSS CORRIDOR TO EXISTING LADIES WASHROOM CEILING SPACE.
- 4 CONNECT NEW 38mm SANITARY PIPE INTO EXISTING 100mm RISER IN PIPE CHASE.
- 5 CONNECT NEW 50mm SANITARY VENT INTO EXISTING 75mm VENT.
- 6 CONDENSATE LIFT PUMP MOUNTED ON WALL ADJACENT TO SERVER ROOM A/C SYSTEM EVAPORATOR. PUMP TO BE INSTALLED BY HVAC CONTRACTOR AND PIPED BY PLUMBING CONTRACTOR.
- 7 PROVIDE TRAPPED AND PRIMED HUB DRAIN UNDER COUNTER FOR SERVER ROOM A/C CONDENSATE. LOCATE HUB DRAIN AS HIGH AS POSSIBLE UNDER BASE CABINET. CONDENSATE PIPE SHALL DRAIN TO HUB VIA 25mm INDIRECT CONNECTION.
- 8 INDIRECTLY CONNECT 25mm SERVER ROOM A/C CONDENSATE LINE TO NEW HUB DRAIN UNDER COUNTER. ALLOW FOR 1" AIR GAP.
- 9 ROUTE NEW 12mm DCWS AND DHWS DOWN IN EXISTING PARTITION WALL. PROVIDE SHOCK ARRESTORS AT TOP OF RISERS.
- 10 CONNECT NEW 12mm DCWS AND DHWS INTO EXISTING.
- 11 PROVIDE FULL PORT ISOLATION BALL VALVES WHERE NEW DCWS AND DHWS BRANCHES CONNECT TO EXISTING.

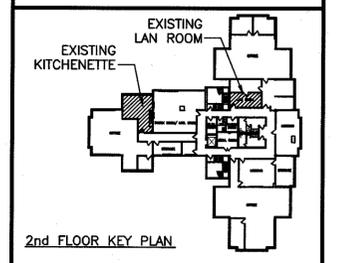
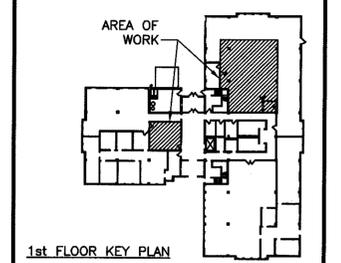
LEGEND

—S—	NEW SANITARY PIPING ABOVE FLOOR
—C—	NEW CONDENSATE DRAIN
—S—	NEW SANITARY PIPING ABOVE FLOOR
—S—	EXISTING DCWS PIPING TO REMAIN
—S—	EXISTING DHWS PIPING TO REMAIN
—S—	NEW DCWS PIPING
—S—	NEW DHWS PIPING
—S—	NEW VENT PIPING
G- CO	WALL CLEANOUT
☒ TPV	TRAP PRIMING VALVE
—S—	BALL VALVE
—SA—	SHOCK ARRESTOR
KS-1	NEW KITCHEN SINK REFER TO SPECIFICATION SECTION 22 42 16
SLP-1	NEW SINK DRAINAGE LIFT PUMP REFER TO SPECIFICATION SECTION 22 10 10
—TP—	TRAP PRIMER PIPING
— — —	PIPE UNION
—P.O.C.—	POINT OF CONNECTION TO EXISTING PIPE



SINK PUMP SYSTEM DETAIL

SCALE: N.T.S.



PROFESSIONAL ENGINEER
DATE: June 2014
C.D. 6910
PROVINCE OF NOVA SCOTIA

0	ISSUED FOR TENDER	APR. 11 2014
revisions	date	
project	project	
BRIDGEWATER HRSDC RE-FIT 77 DUFFERIN STREET BRIDGEWATER NOVA SCOTIA		
drawing	design	
PLUMBING PLAN		
designed	C. JESSEN	conçu
date	Feb 19, 2014	
drawn	B. COLDWELL	dessiné
date	Feb 19, 2014	
approved	C. JESSEN	approuvé
date	Feb 19, 2014	
Tender	THEA LUYPEN	Sourmission
PWGSC Project Manager / Administrateur de projets TPSGC		
project number	R.052379.002	no. du projet
drawing no.	M1	no. du dessin