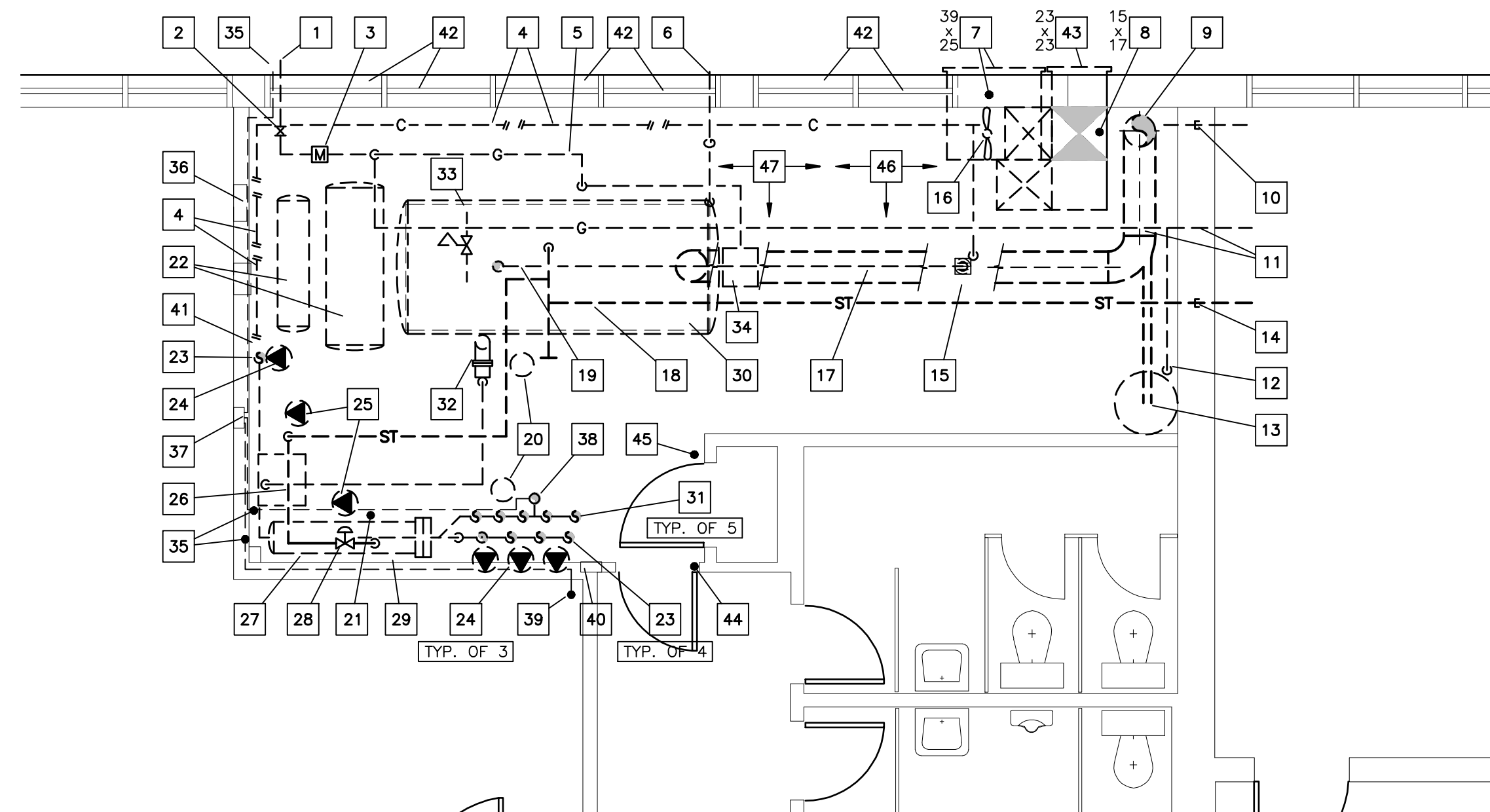
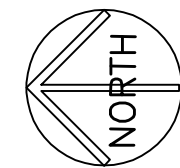


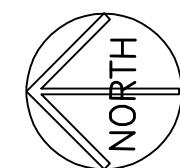
**BASEMENT PLAN - EXISTING**

SCALE : 1/4" = 1'-0"



**BOILER ROOM - EXISTING**

SCALE : 1/4" = 1'-0"



**EXISTING NOTES - M1.0 & M1.1**

- Existing gas service to building. This contractor to include service upgraded by Utilities.
- Existing gas shut off upstream of existing gas meter. This contractor to include Utilities to upgrade as required.
- Existing gas meter. This contractor to include gas meter upgrade as required by Utilities.
- Existing condensate piping (x2) along wall to be reused Disconnect back at existing condensate receiver.
- Existing gas piping down stream of existing meter to be removed completely to be maintained beyond Boiler Room to existing roof top unit(s).
- Existing gas vent piped up exterior wall to be removed.
- Existing boiler room ventilation louver at low level at exterior wall and associated ductwork to be removed completely. Provide new wall infill. See wall detail.
- Existing combustion air duct up to main floor and out to existing louver at exterior wall to be capped off. Note exterior duct insulation to be repaired with existing ventilation duct being removed above ceiling. Insulate, patch & repair existing rated ceiling.
- Existing chimney to be removed full distance to roof. Provide insulated weatherproof seal.
- Existing condensate piping to be removed completely or reused within existing boiler room. Provide cap at wall and fire stop existing opening.
- Existing gas piping after gas meter serving existing roof top equipment to remain. Make provision for a new connection. Provide fire stop at existing wall penetration.
- Existing gas piping run out to existing domestic hot water tank to be removed & capped off.
- Existing hot water tank breaching to be removed.
- Existing steam supply main to be removed completely or reused within existing boiler room. Provide cap at wall and fire stop existing opening.
- Existing floor drain to be re-used. Make good operation.
- Existing ventilation fan to be removed. Note to include all existing controls.
- Existing boiler breaching to be removed completely.
- Existing steam supply piping to be removed completely from boiler room. See Specification.
- Existing low level boiler drain piping and associated common piped drains to be removed completely.
- Existing pot feeders and associated piping to be removed.
- Existing controls compressor located below existing steam to water heat exchanger to remain.
- Existing pneumatic tanks at high level c/w all associated piping to be removed.
- Existing return riser to be maintained. Remove piping to accept new connection c/w new shut off valve and balancing valve.
- Existing secondary circulating pump to be removed. Note to include all existing controls.
- Existing condensate pumps to be removed. Note to include all existing controls.
- Existing condensate receiver to be removed c/w all associated piping and valving. Note to include all existing controls.
- Existing steam to water converter at high level to be removed c/w all associated valving and piping.
- Existing steam control valve and associated piping to be removed. Remove all (pneumatic) control components.
- Existing make up water connection to be re-used. Remove all existing valving. New to be installed.
- Existing steam boiler to be removed completely with all associated components, piping and valving. (Asbestos free.) The intent is to re-use and modify the existing housekeeping pad.
- Existing supply riser to be maintained. Remove piping to accept new connection c/w new shut off valve.
- Existing drain and condensate connection to be removed.
- Existing relief piping to be removed.
- Existing gas train to be removed.
- Existing control wiring. Controls contractor to verify required operation.
- Existing electrical panel. To remain.
- Existing electric pneumatic panel. Controls contractor to verify required operation.
- Existing control sensor. Remove and provide new as part of new work. Controls contractor to verify required operation.
- Existing control wiring exits existing boiler room. Controls contractor to verify required operation.
- Existing time clock. Controls contractor to verify required operation.
- Existing pneumatic drum to remain.
- Remove existing window and alter to suit new infill for new ventilation requirements for boiler room. See new work wall detail.
- Existing combustion air louver at intermediate level to be abandoned in place.
- Remove and re-install existing door frame as required to bring new boilers through door way. Note door handle to the next closet door to be removed and re-installed. If damaged during project provide new rated door c/w frame and master keyed.
- Existing water make up arrangement to boiler to be removed. Provide new piping section as required to maintain service.
- All asbestos removal is the responsibility of to The City of Winnipeg prior to any work being done.
- The City of Winnipeg to identify what items are to be salvaged prior to any work being done.
- Existing element convert to hot water control.
- Existing element is hot water.
- Existing thermostat. Controls existing Roof Top. Existing electric inline duct heater or element. Confirm which exist thermostat controls which equipment on As-Builts. Recalibrate.

**MECHANICAL LEGEND**

	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC RECIRC WATER
	CWR COLD WATER RETURN
	CWS COLD WATER SUPPLY
	HWR HOT WATER RETURN
	HWS HOT WATER SUPPLY
	SAN SANITARY DRAINAGE
	SP SPRINKLER
	SP-W SPRINKLER WET
	SP-D SPRINKLER DRY
	ST STORM
	D PUMPED DRAINAGE
	F FIRE
	HT HIGH TEMP
	MT MEDIUM TEMP
	G GAS
	FLOOR DRAIN/HUB DRAIN
	SHUT-OFF VALVE
	CHECK VALVE
	BV BALANCING VALVE
	GLOBE VALVE
	STRAINER-Y-TYPE VALVE
	CONTROL VALVE
	SOLENOID VALVE
	PRESSURE REDUCING VALVE
	BUTTERFLY VALVE (GEAR)
	BUTTERFLY VALVE (LEVER)
	PLUMBING FIXTURE DESIGNATION IDENTIFICATION NUMBER
	PUMP DESIGNATION IDENTIFICATION NUMBER
	RELIEF VALVE TO DRAIN
	THERMOMETER
	PRESSURE GAUGE
	INCREASE/REDUCER ECCENTRIC
	THERMOMETER WELL TAP/ WELL
	PRESSURE GAUGE TAP/ WELL
	UNION
	PRESSURE SWITCH
	FLOW SWITCH
	FLEX CONNECTION
	THERMOSTAT
	CONNECTOR
	WF WALL FIN
	FF FORCE FLOW

	EQUIPMENT/FAN DESIGNATION IDENTIFICATION NUMBER
	EXHAUST GRILLE DESIGNATION SIZE L/S TYPE ("A" DENOTES FIRE DAMPER)
	SUPPLY GRILLE DESIGNATION SIZE L/S TYPE ("A" DENOTES FIRE DAMPER)
	ACCESS DOOR
	MOTORIZED DAMPER (MD)
	BALANCING DAMPER
	BACKDRAFT DAMPER
	FIRE DAMPER (FD)
	2HR FIRE DAMPER (FD)
	SUPPLY AIR DIFFUSER (GRILLE)
	RETURN AIR / EXHAUST AIR (REGISTER)
	ACOUSTIC LINING
	CHROME PENDANT SPRINKLER HEAD
	DRY PENDANT SPRINKLER HEAD
	UPRIGHT BRASS SPRINKLER HEAD
	FIRE EXTINGUISHER
	DRY SIDEWALL SPRINKLER HEAD
	WET SIDEWALL SPRINKLER HEAD
	VALVE C/W TAMPER SWITCH

	SHOCK ABSORBER
	AIR VENT
	SIGHT GLASS (WATER)
	FILTER (WATER)
	PUMP
	FLOW METER
	WATER METER
	GAS METER
	ANCHOR WITH GUIDE
	EXPANSION JOINT WITH GUIDE
	SHOWER HEAD

**NOTES :**

THESE DRAWINGS SHALL NOT BE SCALED.

THE CONTRACTOR SHALL VISIT THE SITE AND SATISFY HIMSELF ALL DIMENSIONS, DATUM, AND DETAILED INFORMATION SHOWN ARE CORRECT.

THE CONTRACTOR IS TO REVIEW AND COORDINATE ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL OPENINGS THROUGH FLOORS, WALLS, AND CEILINGS FOR DUCT, PIPE & ELECTRICAL RISERS AND ALL OPENINGS NOT SHOWN ON DRAWINGS.

ALL OPENINGS THROUGH FIRE ASSEMBLIES ARE TO BE FIRE STOPPED AND SEALED WITH ULC APPROVED FIRE STOPPING TO MAINTAIN THE INTEGRITY OF THE FIRE SEPARATION, AND PROVIDE A SMOKE-TIGHT BARRIER.

ALL PRODUCTS AND MATERIALS TO BE USED AND INSTALLED SHALL CONFORM WITH MANUFACTURERS SPECIFICATIONS & APPLICABLE CODES.

THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND MAKE GOOD ALL EXISTING CONSTRUCTION AFFECTED BY THE REMOVAL OF ALL ITEMS FORMING THE PART OF THE RENOVATION WORK.

WHERE NEW FLOORING AND BASE IS TO BE INSTALLED IN EXISTING AREAS (REFER TO FLOOR PLAN AND ROOM SCHEDULE) THE EXISTING FLOORING SURFACE AND BASE MUST BE REMOVED, UNLESS OTHERWISE NOTED. ALL FLOOR SURFACES SHALL BE PREPARED IN ACCORDANCE TO MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION OF NEW FLOOR.

WHERE PAINTING OF EXISTING WALLS IS INDICATED ON THE ROOM SCHEDULE, THESE WALLS MUST BE CLEANED OF ANY EXISTING WALL COVERING, PATCHED & PREPARED TO ACCEPT NEW MATERIAL, UNLESS OTHERWISE NOTED.

**DRAWING LIST**

SHEET No:	SHEET TITLE
M1.0	BASEMENT & BOILER ROOM PLANS - EXISTING DEMO
M1.1	MAIN & SECOND FLOOR PLANS - EXISTING DEMO
M2.0	BASEMENT & BOILER ROOM PLANS - NEW WORK
M2.1	MAIN & SECOND FLOOR PLANS - NEW WORK
M2.2	FLOW DIAGRAM

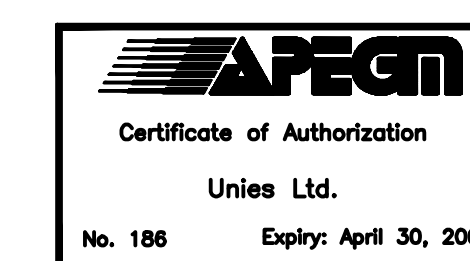
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DATE: 5 JULY 2007



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191-198 ST. JAMES STREET, WINNIPEG  
R3B 0Z8  
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Unies Ltd. Consulting Engineers

R1	FOR TENDER	BPRP	JULY07
NO.	REVISION/DESCRIPTION	BY	DATE

SEALS



DRAWN BY: CHECKED BY: APPROVED  
DATE: 5 JULY 2007 USER APPROVAL

CITY OF WINNIPEG  
PLANNING, PROPERTY AND DEVELOPMENT DEPARTMENT  
CIVIC ACCOMMODATIONS DIVISION  
300 - 65 GARRY ST. R3C 4K4

PROJECT  
**ST. JAMES - ASSINIBOIA LIBRARY BOILER REPLACEMENT**  
1910 PORTAGE AVENUE

SHEET TITLE  
**BASEMENT & BOILER ROOM PLANS EXISTING DEMOLITION**