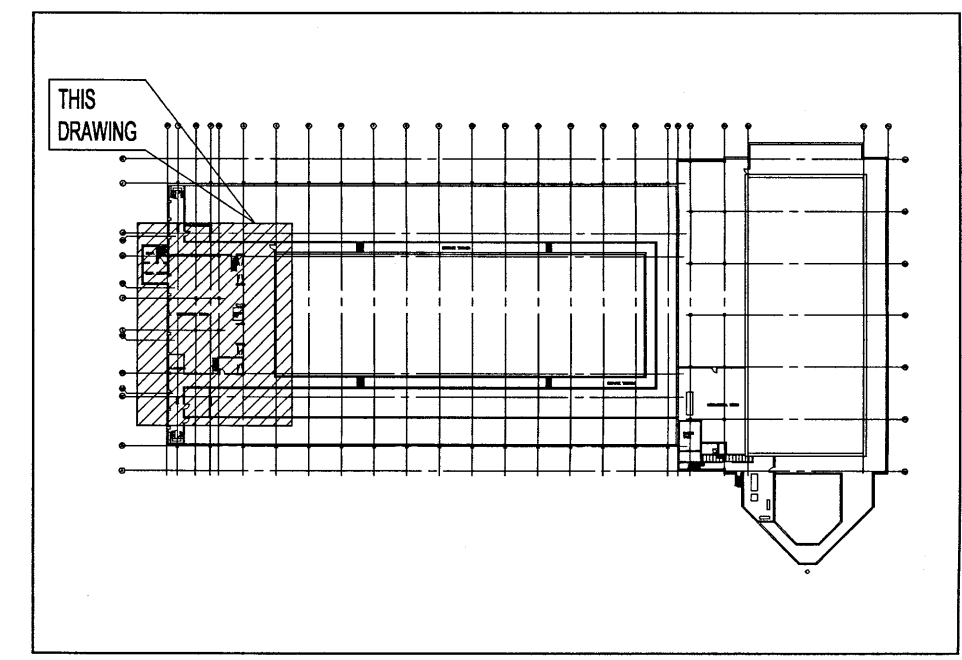
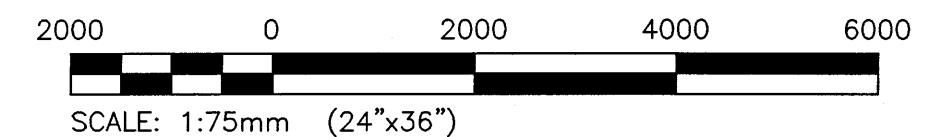


BOILER ROOM PLAN - NEW PIPING / VENTILATION
SCALE: 1:75

SCALE VERIFIED BY: *MAP*



KEY PLAN
SCALE: N.T.S.

GENERAL NOTES:

- PERFORM WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS, INCLUDING MANITOBA PLUMBING CODE.
- EQUIPMENT LOCATIONS, DUCT, AND PIPE ROUTING INDICATED ON THE DRAWINGS IS APPROXIMATE ONLY. CONFIRM IN THE FIELD. REROUTE DUCTWORK AND PIPING AS REQUIRED TO ELIMINATE FIELD INTERFERENCES WITH BUILDING STRUCTURES, ELECTRICAL, ETC. CONFIRM CHANGES WITH CONTRACT ADMINISTRATOR. COORDINATE WORK WITH ALL SUBTRADES. WHERE DIMENSIONS ARE INDICATED FOR PIPING, DUCTWORK, DUCT SIZES, EQUIPMENT SIZES, ETC. THESE ARE FOR BIDDING PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO ORDERING EQUIPMENT AND COMMENCING INSTALLATION WITHOUT EXTRA CHARGES TO THE PROJECT. THE CONTRACTOR IS RESPONSIBLE TO ENSURE ALL EQUIPMENT, DUCTWORK, AND PIPING FITS IN THE SPACE AVAILABLE AND TO MAINTAIN THE GENERAL DESIGN INTENT FOR THE SYSTEMS.
- INFILL ALL PENETRATIONS AFTER REMOVAL OF PIPING, DUCTWORK, ETC. AND FINISH TO MATCH EXISTING.
- CONFORM TO CSA B149, 1-15 NATURAL GAS AND PROPANE INSTALLATION CODE, CSA B51-14 BOILER, PRESSURE VESSEL, AND PRESSURE PIPING CODE AND REQUIREMENT OF THE OFC.

KEYNOTES:

- INSTALL NEW DOMESTIC WATER BOILERS ACCORDING TO MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE NATURAL GAS PIPING (TYP.)
- RUN NEW BOILER VENTS UP TO ROOF. FIRE SEAL VENT PENETRATION AT THE TOP AND BOTTOM OF SHAFT UTILIZING ULC LISTED FIRE STOP. PROVIDE SUPPORTS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- INSTALL NEW DOMESTIC WATER STORAGE TANKS AS SHOWN. PROVIDE PIPING CONNECTIONS (TYP.)
- PROVIDE NEW POT FEEDER FILTER AND SIGHT GLASS. CONNECT TO EXISTING TAPPINGS.
- EXISTING HYDRONIC PIPING STARTING FROM MAIN GATE VALVES DOWN TO GRID 2A TO WEST WALL ARE CURRENTLY UNINSTALLED. INSULATE ALL UNINSULATED PIPING, INCLUDING PIPE RISER CONNECTING TO THE PUMPS, IN THIS AREA. INSULATION CONTRACTORS BIDDING THE JOB ARE REQUIRED TO VISIT THE SITE TO OBTAIN INSULATION SCOPE PRIOR TO SUBMITTING THEIR BID.

COMBUSTION AIR REQUIREMENT		
EQUIPMENT	UNIT RATE (L/s)	TOTAL (L/s)
HEATING BOILERS (B1 TO B6)	307	1842
DOMESTIC WATER BOILERS (DWB-1 & DWB-2)	135	270
TOTAL (L/s)		2,112

NOTES:

THESE DRAWINGS SHALL NOT BE SCALED.

THE CONTRACTOR SHALL VISIT THE SITE AND SATISFY ONESELF 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 THE FIRE SEPARATIONS AS A RESULT OF THE WORK OF THIS CONTRACT 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 MANUFACTURER'S 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 MANUFACTURER'S 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.

- LEGEND:**
- NEW EQUIPMENT/PIPPING
 - EXISTING EQUIPMENT/PIPPING TO REMAIN
 - DCW DOMESTIC COLD WATER
 - DHW DOMESTIC HOT WATER
 - DHWR DOMESTIC HOT WATER RETURN
 - HWS HOT WATER SUPPLY
 - HWR HOT WATER RETURN
 - SAN SANITARY
 - FD FLOOR DRAIN
 - NG NATURAL GAS
 - AP AIR PURGE
 - B BOILER
 - EB- ELECTRIC BOILER
 - PU PUMP
 - HWT- HOT WATER TANK
 - HX- HEAT EXCHANGER
 - F 1.5 HR FIRE DAMPER CW ACCESS DOOR

No.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR TENDER		16.11.26



DRAWN	CHECKED	DESIGNED	APPROVED
<i>ML</i>	<i>ML</i>	<i>MAF</i>	<i>MAF</i>
DATE	USER	APPROVAL	

THE CITY OF WINNIPEG
PLANNING, PROPERTY AND
DEVELOPMENT DEPARTMENT
MUNICIPAL ACCOMMODATIONS DIVISION
3-65 GARRY STREET, R3C 4K4

PROJECT
**REPLACEMENT OF
DOMESTIC HOT WATER
SYSTEM AT PAN AM POOL**
25 POSEIDON BAY

SHEET TITLE
**MECHANICAL
BOILER ROOM PLAN
NEW PIPING / VENTILATION**

SCALE	PROJECT No:	SHEET No:
AS SHOWN	16-0107-026	M02