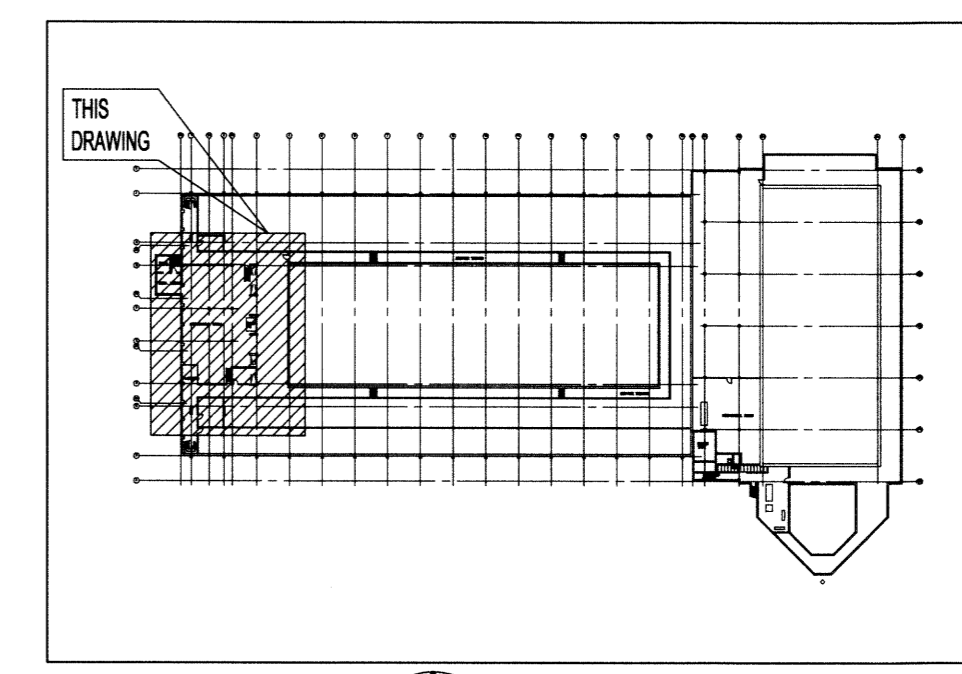
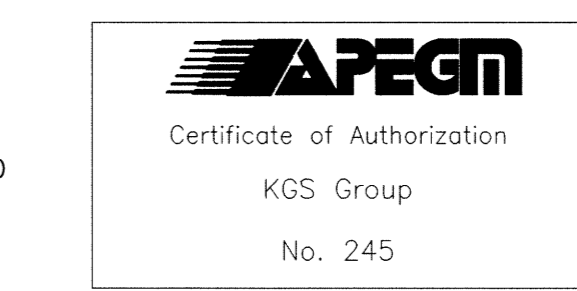
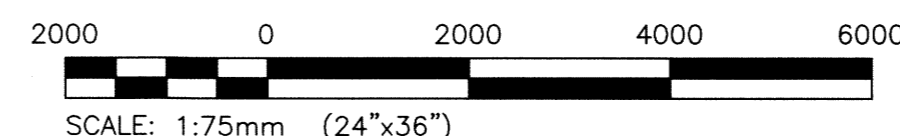


BOILER ROOM PLAN - NEW
SCALE 1:75

SCALE VERIFIED BY: *MAP*



GENERAL NOTES:

- PERFORM WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
- 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 B148: 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 BOILERS AS SHOWN PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE NATURAL GAS AND VENT CONNECTIONS. MAINTAIN CLEARANCES REQUIRED BY THE MANUFACTURER AND OFC. PROVIDE CONDENSATE NEUTRALIZER AND PIPE TO FLOOR DRAIN. CONDENSATE LINES SHALL BE RIGID SCH. 40 PVC. PROVIDE EXTERNAL LOW WATER CUT OFF. (TYP.)
- PROVIDE NEW 300mm PIPE TO CONNECT THE EXISTING SUPPLY AND RETURN HEADERS AS SHOWN.
- PIPE HOT WATER RETURN HEADER IN REVERSE RETURN CONFIGURATION.
- INSTALL NEW CHIMNEY PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE SUPPORTS. PIPE DRAINS FROM THE BOTTOM OF RISERS TO DRAIN. PROVIDE CONDENSATE NEUTRALIZER (TYP.)
- PROVIDE GATE VALVES ON EXISTING HWS & HWR HEADERS. THE GATE VALVES SHALL BE INSTALLED RIGHT AWAY SO THAT EXISTING HEADERS CAN BE ISOLATED (TYP.) EXISTING ELECTRIC BOILER TO BE USED FOR DOMESTIC WATER HEATING WHEN THE HEADERS ARE ISOLATED. (PROVIDE TEMPORARY BLIND FLANGES AS REQUIRED IN THE BUILDING TO MAINTAIN DOMESTIC HOT WATER DURING SHUTDOWN. DOMESTIC HOT WATER DOWNTIME SHALL BE LIMITED TO 8 HOUR OVERNIGHT SHIFT AND SHALL BE CO-ORDINATED WITH THE CONTRACT ADMINISTRATOR. DRAIN / RE-FILL HYDRONIC HEATING SYSTEM AS REQUIRED.)
- MODIFY EXISTING HWR LINES TO FACILITATE THE INSTALLATION OF NEW CHIMNEY.

SPRINKLER SYSTEM:

- EXISTING SPRINKLER SYSTEM SHALL BE MODIFIED AS REQUIRED TO FACILITATE NEW CONSTRUCTION.
- SPRINKLER SUB-CONTRACTOR SHALL SUBMIT SHOP DRAWING THAT SHOW ALL MODIFICATIONS. SHOP DRAWING SHALL BE SEALED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN MANITOBA.
- NOTIFY AND OBTAIN APPROVAL FROM THE CONTRACT ADMINISTRATOR FOR SHUTDOWNS OF SPRINKLER AND FIRE ALARM. THE CONTRACTOR SHALL PROVIDE FIRE WATCH DURING SHUTDOWN ACCORDING TO CODE.

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 AND SMOKE-TIGHT BARRIER. EXISTING OPENINGS THROUGH FIRE SEPARATIONS THAT ARE NOT CURRENTLY FIRE STOPPED TO BE DEALT WITH UNDER SEPARATE CONTRACT.

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
- DOW 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
- PL- PUMP
- HWT- HOT WATER TANK
- HX- HEAT EXCHANGER

No.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR TENDER		16.05.20



DRAWN	ML	CHECKED	DESIGNED	MAP	APPROVED
DATE	2016.04.14	USER	APPROVAL		

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

PROJECT
REPLACEMENT OF BOILERS AND POOL WATER HEAT EXCHANGERS AT PAN AM POOL
25 POSEIDON BAY

SHEET TITLE
MECHANICAL BOILER ROOM PLAN NEW

SCALE	PROJECT No:	SHEET No:
AS SHOWN	16-0107-008	P1_M03