



**KEY PLAN**  
SCALE: N.T.S.

**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 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:**

- 1 RUN NEW DHW AND DHRW PIPE. RISERS UP FROM BOILER ROOM AND CONNECT TO EXISTING.
- 2 MODIFY EXISTING PLUMBING VENT TO ACCOMMODATE NEW CHIMNEYS.
- 3 RE-ROUTE EXISTING HOT WATER RETURN LINE TO ACCOMMODATE NEW CHIMNEYS.
- 4 MODIFY EXISTING DRAIN LINES CONNECTING TO RISER TO ACCOMMODATE NEW CHIMNEYS.
- 5 NEW CHIMNEY UP FROM BOILER ROOM. OFFSET CHIMNEY TO AVOID EXISTING STRUCTURAL AND RUN UP THROUGH ROOF. PROVIDE NEW ROOF PENETRATIONS AND CURBING (SEE STRUCTURAL DRAWINGS).
- 6 RUN NEW CHIMNEY UP THROUGH EXISTING ROOF OPENING. PROVIDE NEW CURB CAP TO SUIT.
- 7 INTERLOCK EXISTING COMBUSTION AIR AHU WITH NEW BOILERS.
- 8 MODIFY EXISTING DCW LINE AS REQUIRED TO ACCOMMODATE NEW CHIMNEYS.

**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 UL-C 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 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.

**LEGEND:**

- NEW EQUIPMENT/PIPING
- EXISTING EQUIPMENT/PIPING
- DCW DOMESTIC COLD WATER
- DHW DOMESTIC HOT WATER
- DHRW DOMESTIC HOT WATER RETURN
- HWS HOT WATER SUPPLY
- HWR HOT WATER RETURN
- SAN SANITARY
- FD FLOOR DRAIN
- NG NATURAL GAS
- B- BOILER
- PL- PUMP
- HWT- HOT WATER TANK
- HX- HEAT EXCHANGER
- AHU- AIR HANDLING UNIT

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



DRAWN	CHECKED	DESIGNED	APPROVED
ML	MAP		
DATE: 2016.04.14	USER APPROVAL		

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  
 SECOND FLOOR PLAN  
 NEW

SCALE	PROJECT No:	SHEET No:
AS SHOWN	16-0107-008	P1_M04

**SECOND FLOOR PLAN - DEMO**  
SCALE 1:75

SCALE VERIFIED BY: *MAP*

