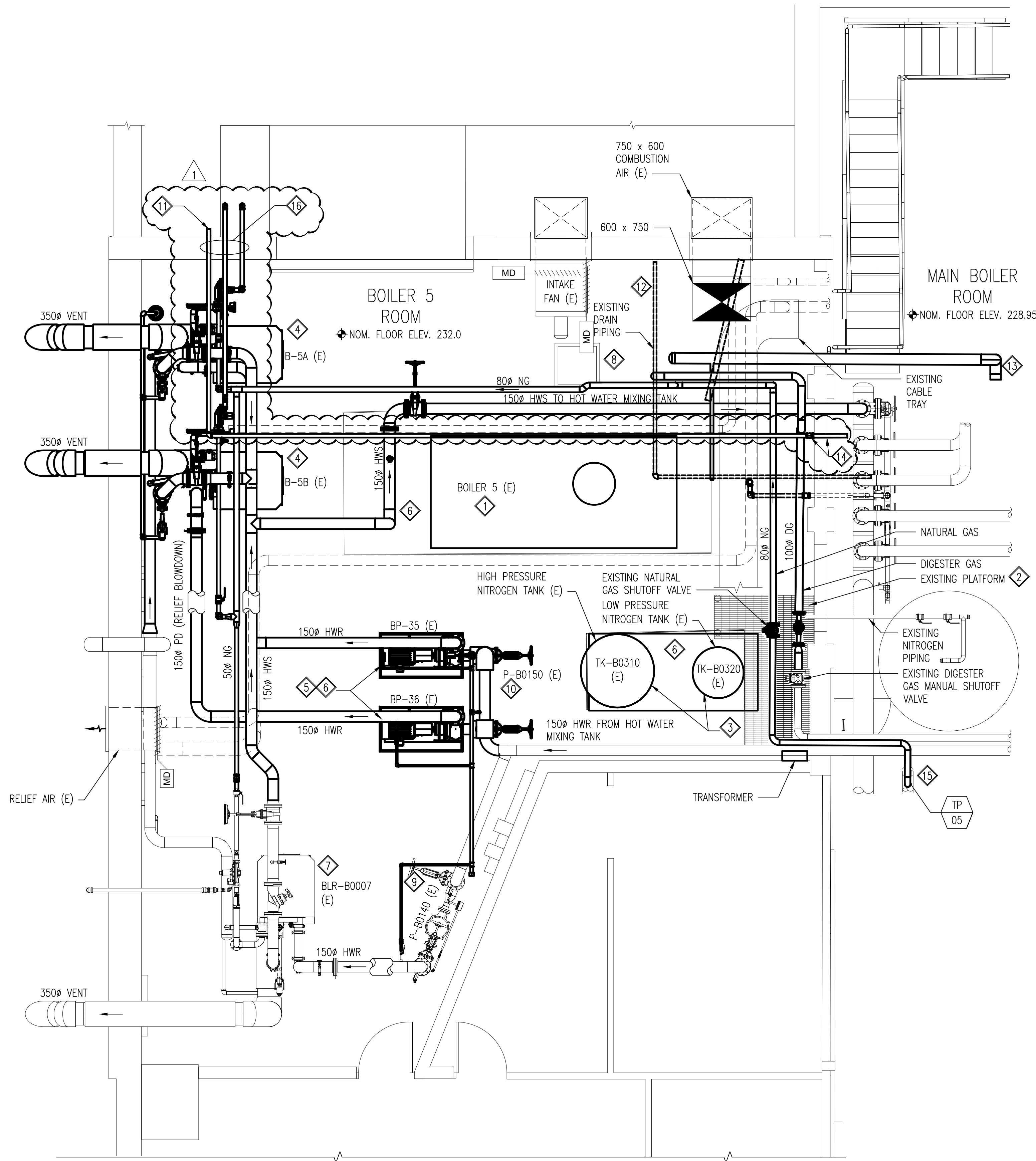
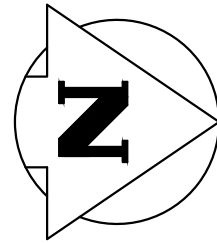


PLAN - BOILER 5 ROOM

800 0 800 1600 2400 3200
SCALE: 1:40mm



10	-	-
9	-	-
8	-	-
7	-	-
6	-	-
5	-	-
4	-	-
3	-	-
2	-	-
1	-	-
NO.	DRAWING NUMBER	REFERENCE DRAWING TITLE
REFERENCE DRAWINGS		

B.M. ELEV.			
CONSTRUCTION COMPLETION DATE: YYYY MM DD			
1	RE-ISSUED FOR CONSTRUCTION	2025 04 15	
0	ISSUED FOR CONSTRUCTION	2025 03 24	JS
NO.	REVISIONS	DATE	BY

KGS GROUP			
DESIGNED BY	JS	CHECKED BY	AJF
DRAWN BY	RP	APPROVED BY	JS
SCALE:	AS SHOWN		
DATE	2024 08 16	RELEASED FOR CONSTRUCTION	
PLOT DATE: 2025 04 15			

ENGINEER'S SEAL	
CONSULTANT DRAWING NUMBER	
23-0107-010_PB_M1-01	

	THE CITY OF WINNIPEG		
	WATER AND WASTE DEPARTMENT ENGINEERING DIVISION		
	NORTH END SEWAGE TREATMENT PLANT (NEWPCC) NEWPCC BOILER REPLACEMENT 2025-2026 AREA B - BOILER ROOM		
	MECHANICAL BOILER 5 ROOM - DEMOLITION		
CITY DRAWING NUMBER		1-0101-MGAD-BD11-001	SHEET 1 OF 1

GENERAL NOTES:

- REFER TO GENERAL NOTES ON DRAWING 1-0101-MAAA-B002-001.
- NATURAL GAS PIPING PAINTED SAFETY YELLOW CONFORMING TO CSA B149.1 NATURAL GAS AND PROPANE INSTALLATION CODE.

LEGEND:

- EXISTING EQUIPMENT/PIPING TO BE REMOVED/RELOCATED
- EXISTING EQUIPMENT/PIPING TO REMAIN

(NOTE: REFER TO DRAWING 1-0101-MAAA-B002-001 FOR ADDITIONAL LEGENDS)

KEYNOTES:

- DISCONNECT, DISMANTLE, AND REMOVE EXISTING BOILER AND ASSOCIATED CHIMNEY. REMOVE NATURAL GAS AND DIGESTER GAS PIPING BACK TO EXISTING MANUAL SHUTOFF VALVES AS SHOWN. (WORK TO BE COMPLETED IN 2025).
- REMOVE EXISTING PLATFORM. (WORK TO BE COMPLETED IN 2025).
- RELOCATE EXISTING NITROGEN TANKS TO NEW LOCATION IN MAIN BOILER ROOM. (NITROGEN TANKS TO BE TAKEN OUT OF THE WEST OVERHEAD DOOR, DELIVERED TO THE EAST SIDE OF THE BOILER ROOM, & BROUGHT IN THROUGH THE EAST DOORS INTO THE MAIN BOILER ROOM. SEE DWG. 1-0101-MGAD-B013-001 FOR THE NEW LOCATION OF THE NITROGEN TANKS.) (WORK TO BE COMPLETED IN 2025).
- DISCONNECT AND REMOVE EXISTING BOILER B-5A AND B-5B, ASSOCIATED VENTS, BLOW DOWN HEADER NATURAL GAS, AND CHIMNEY CONDENSATE PIPING. INFILL VENT OPENINGS (SEE STRUCTURAL DRAWINGS). (BOILERS B-5A, B-5B AND ASSOCIATED SYSTEMS ARE TO REMAIN OPERATIONAL UNTIL THE SPRING OF 2026) BOILERS B-5A AND B-5B ARE TO BE TURNED OVER TO THE OWNER. (THE CONTRACTOR SHALL DELIVER BOILERS 5A & 5B TO THE CITY AT NEWPCC SECONDARY CLARIFIER BUILDING BASEMENT. PROVIDE A MINIMUM 20 BUSINESS DAYS' NOTICE, SO THE CITY CAN PREPARE THE STORAGE LOCATION FOR THE BOILERS.)
- REMOVE EXISTING PUMPS BP-35 AND BP-36.
- REMOVE EXISTING CONCRETE PADS FOR BOILER 5, PUMPS BP-35/36 AND NITROGEN TANKS.
- EXISTING BOILER B-5C TO REMAIN. REVISE BOILER TAG FROM B-5C TO BLR-B0007.
- REMOVE METAL FLOOR HATCH AND INFILL EMPTY SPACE IN FLOOR. SEE STRUCTURAL DRAWINGS.
- REVISE BOILER PUMP TAG FROM BP-5C TO P-B0140

- REVISE RE-CIRCULATION PUMP TAG FROM BP-5D TO P-B0150 AND RELOCATE TO NEW LOCATION (SEE DWG 1-0101-MGAD-B013-001).
- DEMOLISH AND REMOVE VENT PIPING FROM EXISTING BOILER 5 DIGESTER GAS DRIP TRAP TO OUTDOORS.
- DEMOLISH EXISTING FLOOR DRAIN AND PIPING, CAP PIPE AT EXISTING DRAIN STACK.
- DEMOLISH EXISTING BOILER 5 BLOWDOWN PIPING UP TO THE MAIN HEADER AND INSTALL A CAP.
- REMOVE ALL DIGESTER GAS DRIP TRAPS AND PIPING ASSOCIATED WITH BOILER 5.
- UPSIZE NATURAL GAS BRANCH TO 1000. COORDINATE GAS SHUTDOWN WITH CONTRACT ADMINISTRATOR AND MB HYDRO AS REQUIRED. WORK TO BE COMPLETED IN THE SUMMER OF 2025. (EXISTING 800 NATURAL GAS PIPING MUST STAY IN SERVICE UNTIL BOILERS B-5A AND B-5B ARE REMOVED. TIE-IN TO THE EXISTING NATURAL GAS SYSTEM (TP-05) MUST BE PERFORMED PRIOR TO REMOVAL OF EXISTING BOILERS. PROVIDE TEMPORARY 100X80 REDUCER CONNECTION FROM NEW 1000 PIPING TO EXISTING 800 PIPING WHILE B-5A AND B-5B REMAIN IN SERVICE. TEMPORARY REDUCER WILL BE DEMOLISHED WHEN BOILER B-5A AND B-5B ARE REMOVED AND NEW 1000 NATURAL GAS HEADER IS INSTALLED).
- INFILL HOLES TO ACHIEVE WEATHERPROOF PATCH WITH METHOD AS FOLLOWS:
 - PREPARE HOLE IN BRICK TO ACCEPT NON-SHRINK GROUT
 - FILL HOLE IN BRICK FROM EXTERIOR WITH NON-SHRINK GROUT (SIKA MONOTOP -623 F, OR EQUAL)
 - FILL HOLE FROM INTERIOR WITH SPRAYFOAM INSULATION ENSURING CAVITY IS FILLED AND VAPOUR BARRIER CONTINUITY IS MAINTAINED
 - FINISH INTERIOR WALL SURFACE TO MATCH EXISTING.
 - FOLLOW ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS.

