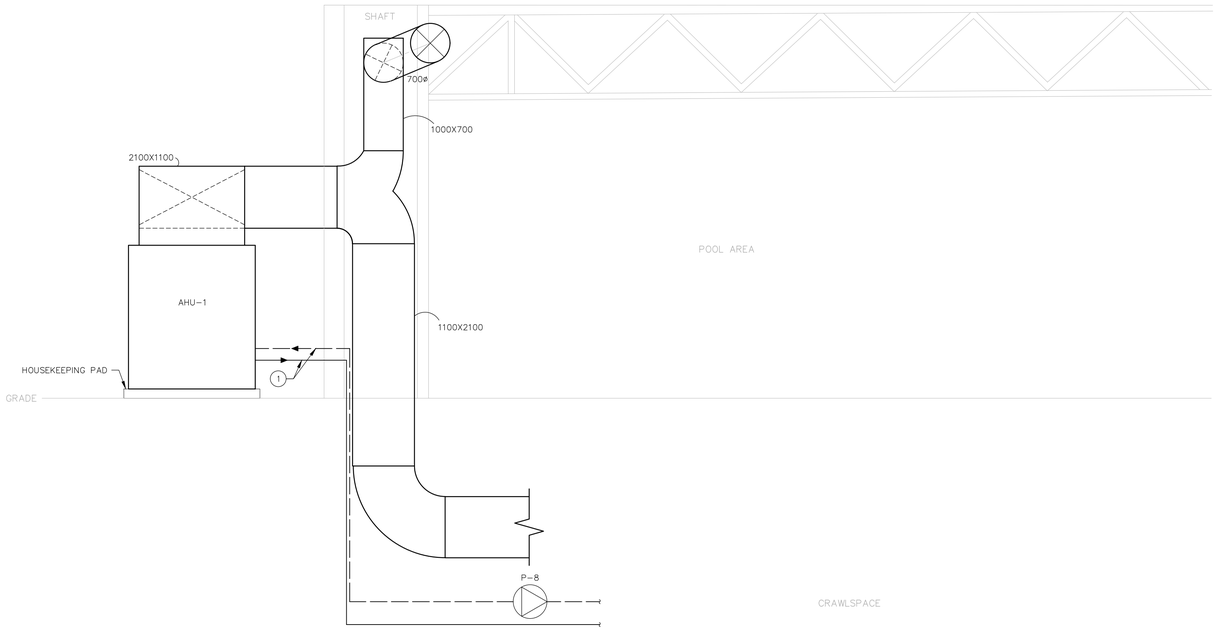
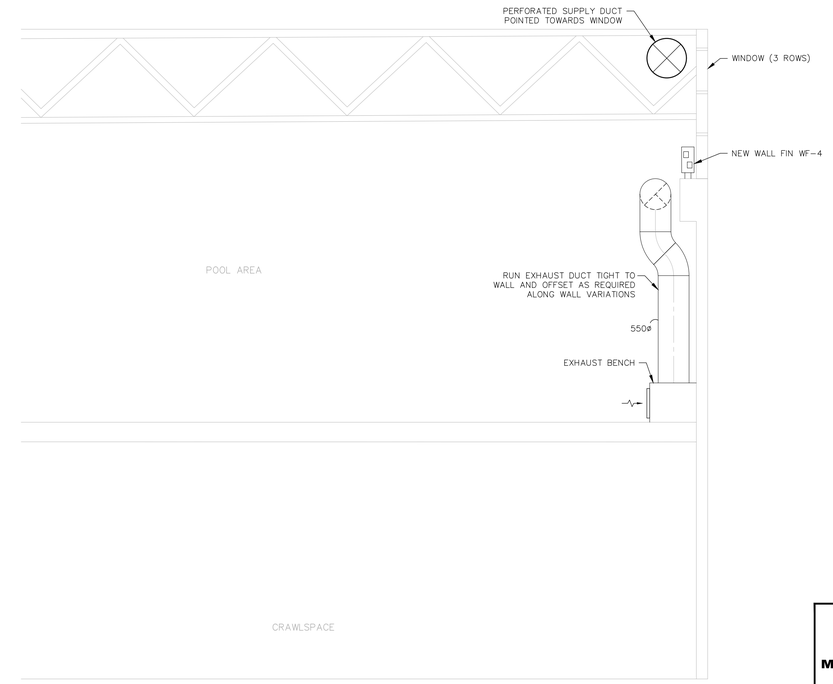


1 / M5.2 SECTION VIEW
SCALE: 1:50



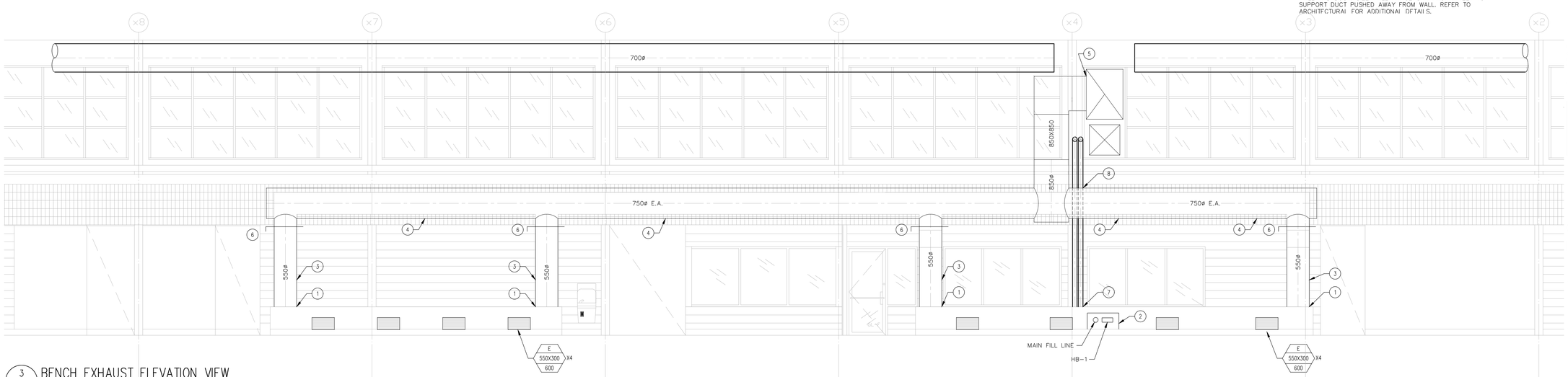
2 / M5.2 SECTION VIEW
SCALE: 1:50

DRAWINGS NOTES:

1. HEAT RECOVERY PIPING TO BE HEAT TRACED WITH A POWER SOURCE AND CONTROLS FROM INSIDE THE BUILDING CRAWLSPACE. HEAT TRACE TO BE RAYCHEM SELF MODULATING CABLE COMPLETE WITH NEMA 4X RAYCHEM CONTROLLER LOCATED WITHIN CRAWLSPACE. CONTROL PANEL TO BE RAYCHEM ELEXANT 4010i COMPLETE WITH ALARM BACK TO DDC SYSTEM (CONTROLLER TO ALSO CONTROL CONDENSATE DRAIN HEAT TRACE, REFER TO M4.0 FOR DETAILS). HEAT TRACE CABLE TO RUN WITHIN THE PIPING AND INCLUDE A FLUID TEMPERATURE SENSOR ON PIPING LOCATED OUTDOORS. ROUTE CABLE TO RUN WITHIN PIPE THROUGH CABLE END SEAL. PIPING TO HAVE 50MM RIGID PIPE INSULATION AND BANDED ALUMINUM RECOVERY JACKET. ALL PIPING OUTDOORS TO BE STAINLESS STEEL.

DRAWINGS NOTES 3/M5.2:

1. DUCT TO CONNECT TO EXHAUST AIR PLENUM WITHIN BENCH. FASTEN DUCT TO BENCH INTERIOR AND SUPPORT TO ENSURE NO MOVEMENT IS ACHIEVABLE. REFER TO ARCHITECTURAL FOR FINISHING DETAILS WHERE DUCT ENTERS BENCH.
2. RECESSED BOX FOR POOL FILL PLUMBING ACCESS. REFER TO ARCHITECTURAL FOR DETAILS.
3. ALL DUCTWORK WITHIN 2M OF FLOOR TO BE 16 GAUGE STEEL.
4. SPIRAL EXHAUST AIR DUCTWORK. REFER TO ARCHITECTURAL FOR EXTENT OF PAINT COLOR. DUCTWORK TO BE MOUNTED TO WALL. REFER TO STRUCTURAL DRAWINGS FOR MOUNTING.
5. CONNECT NEW EXHAUST AIR DUCTWORK TO EXISTING HRV EXHAUST AIR MAIN.
6. INSTALL BALANCING DAMPER AT HIGH LEVEL SET TO 1200 L/S EACH (TYPICAL).
7. 65MMø HYDRONIC PIPING UP TO HC-17 COMPLETE WITH THERMAL INSULATION WRAPPED WITH HEAVY GAUGE ALUMINUM JACKET TO RUN UP THROUGH BENCH FROM CRAWLSPACE BELOW AND UP ALONG WALL SIDE BY SIDE SOUTH OF GRIDLINE B, REFER TO ARCHITECTURAL FOR ADDITIONAL DETAILS. PIPE TO RISE TO HIGH LEVEL AND OFFSET TO CONNECT TO HEATING COIL HC-17 AS SHOWN ON MECHANICAL DRAWING M6.1.
8. COORDINATE INSTALLATION OF EXHAUST AIR DUCT WITH HYDRONIC PIPING FROM BELOW TO ALLOW TO PASS BETWEEN WALL AND DUCT. SIZE WALL HANGERS APPROPRIATELY TO SUPPORT DUCT PUSHED AWAY FROM WALL. REFER TO ARCHITECTURAL FOR ADDITIONAL DETAILS.



3 / M5.2 BENCH EXHAUST ELEVATION VIEW
SCALE: 1:50

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No.	Date	Issue / Revision	By
0	22/12/2023	ISSUED FOR CONSTRUCTION	JVL

Drawn By: EJ
Printing Date: 22/12/2023

PROVINCE OF MANITOBA
K.E. VAN LEEUWEN
Member 36282
REGISTERED PROFESSIONAL ENGINEER
2023-12-22

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SECTIONS

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