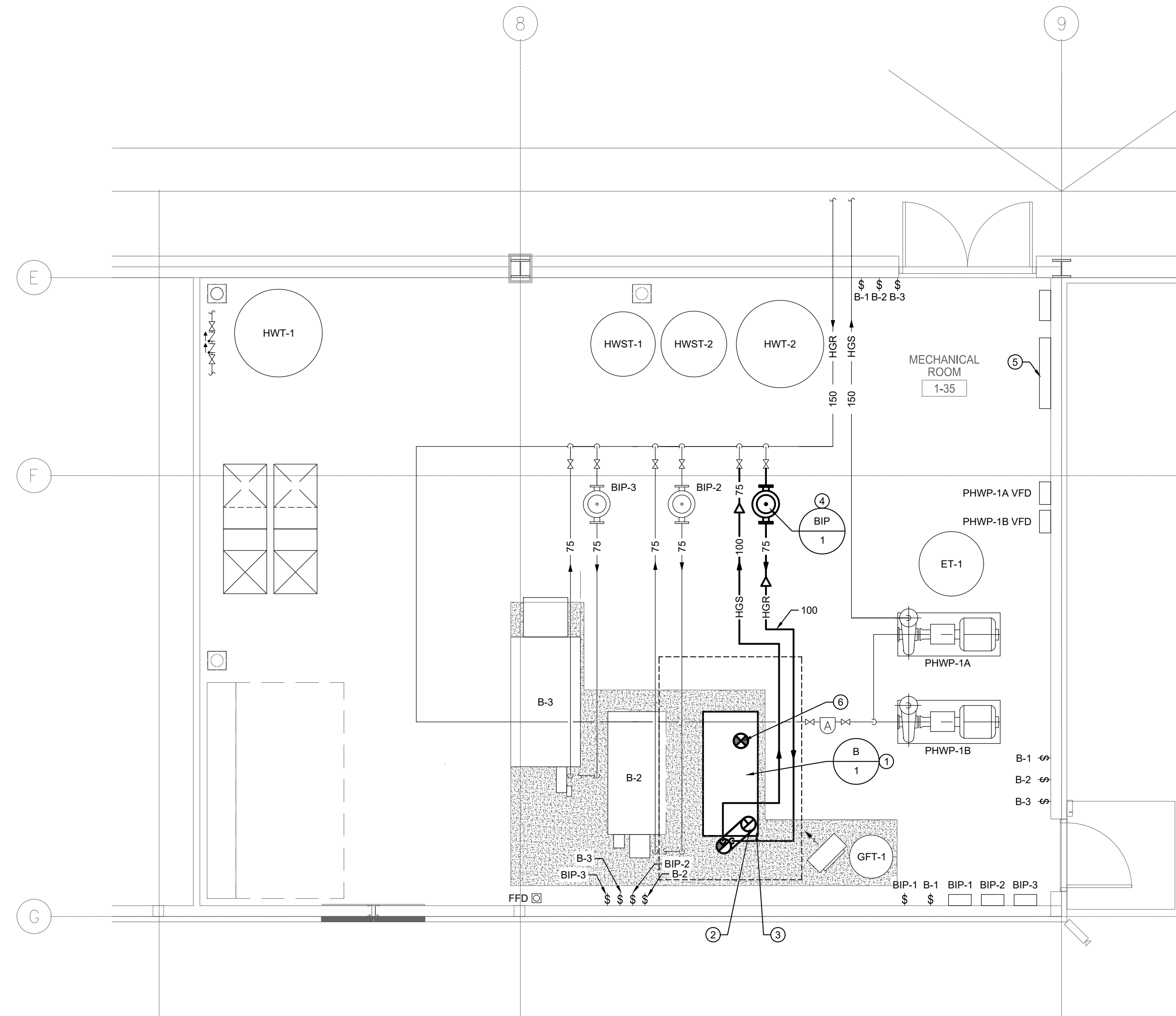


1 MAIN FLOOR PART PLAN - MECHANICAL - DEMOLITION
M101 SCALE: 1:50



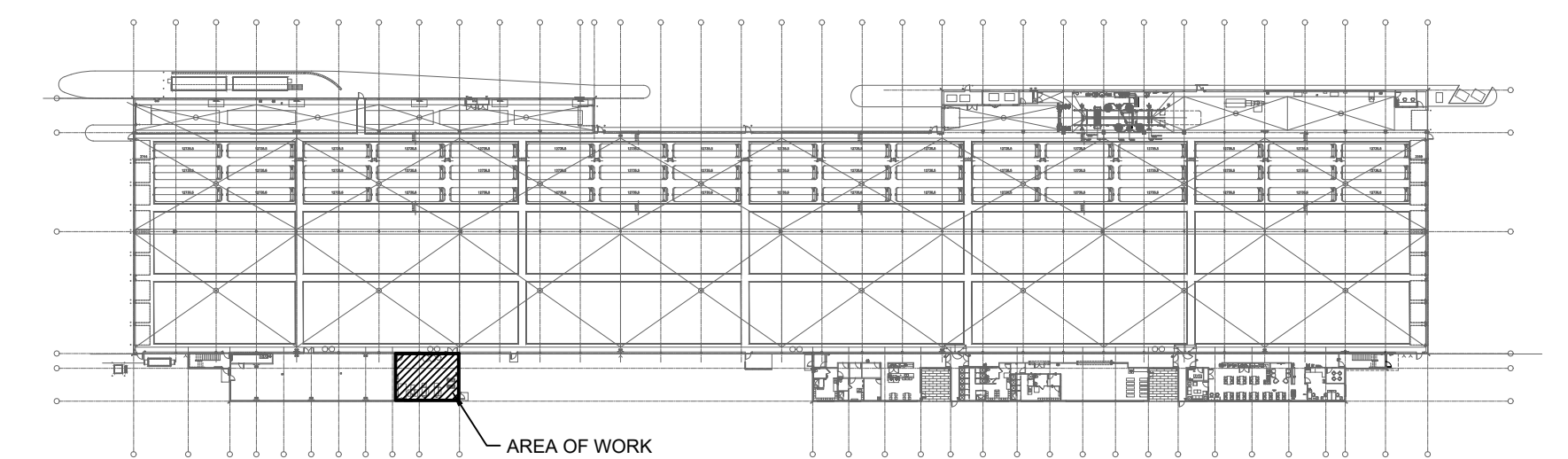
2 MAIN FLOOR PART PLAN - MECHANICAL - NEW CONSTRUCTION
M101 SCALE: 1:50

DEMOLITION KEY NOTES

- EXISTING BACKFLOW PREVENTER TO REMAIN.
- EXISTING DOMESTIC HOT WATER TANKS TO REMAIN.
- EXISTING DOMESTIC HOT WATER STORAGE TANKS TO REMAIN.
- EXISTING SPRINKLER TREE TO REMAIN.
- EXISTING COMBUSTION AIR AND VENTILATION AIR DUCTS TO REMAIN.
- EXISTING EXPANSION TANK TO REMAIN.
- EXISTING BOILER PRIMARY PUMPS TO REMAIN.
- EXISTING GLYCOL FILL TANK TO REMAIN.
- EXISTING CONDENSING BOILER, B-2 TO REMAIN.
- EXISTING NON-CONDENSING BOILER, B-3 TO REMAIN.
- EXISTING INLINE BOILER INJECTION PUMP, BIP-2 TO REMAIN.
- EXISTING INLINE BOILER INJECTION PUMP, BIP-3 TO REMAIN.
- EXISTING HEATING LOOP PIPING TO REMAIN. TAKE SAMPLE OF HEATING FLUID AND SEND TO LABORATORY TO DETERMINE PERCENTAGE OF GLYCOL IN SYSTEM. PROVIDE SUMMARY REPORT TO CONSULTANT. ADJUSTING SYSTEM CONCENTRATION WILL BE DEALT WITH VIA CHANGE ORDER IF CONCENTRATION EXCEEDS 50% MAXIMUM PERCENTAGE ACCEPTABLE TO BOILER MANUFACTURER.
- EXISTING EMERGENCY ON/OFF SWITCHES TO REMAIN.
- EXISTING JCI BMS CONTROL PANEL TO REMAIN.
- EXISTING BOILER PRIMARY PUMPS VFD'S TO REMAIN.
- DEMO AND REMOVE EXISTING CONDENSING BOILER, B-1. EXISTING BOILER IS A DE DIETRICH GAS 310-9-ECO GAS FIRED HOT WATER CAST ALUMINUM SECTIONAL BOILER.
- DEMO AND REMOVE EXISTING 250mm BOILER VENTING IN MECHANICAL ROOM AND ON ROOF.
- DEMO AND REMOVE EXISTING BOILER HEATING SUPPLY AND RETURN PIPING BACK TO MAIN AS SHOWN. DEMO AND REMOVE PIPING TO GLYCOL FILL TANK TO EXTENT REQUIRED FOR NEW INSTALLATION.
- DEMO AND REMOVE EXISTING INLINE BOILER INJECTION PUMP, BIP-1 AND ASSOCIATED PIPING AS REQUIRED. REUSE EXISTING SUCTION DIFFUSER AND TRIPLE DUTY VALVE FOR NEW INSTALLATION.
- EXISTING GAS DETECTION CONTROLLER TO REMAIN.
- EXISTING SHUT DOWN SWITCHES. REFER TO ELECTRICAL FOR FURTHER INFO.

KEY NOTES

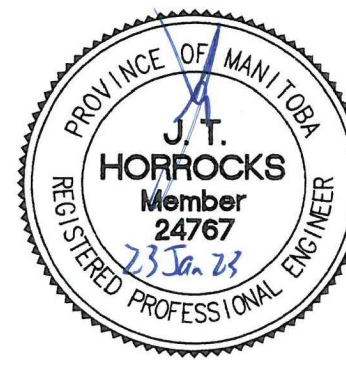
- PROVIDE AND INSTALL NEW HIGH EFFICIENCY CONDENSING BOILER, B-1. INSTALL IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTION.
- PROVIDE AND INSTALL NEW 200mm DIAMETER DOUBLE WALL AL29-4C VENTING UP THROUGH EXISTING ROOF OPENING. MODIFY EXISTING OPENING AS REQUIRED TO SUIT INSTALLATION.
- CONNECT HEATING SUPPLY AND RETURN PIPING TO NEW BOILER PIPE COMPONENTS TO EXISTING GLYCOL FILL TANK AS REQUIRED. REFER TO SCHEMATIC.
- PROVIDE AND INSTALL NEW INLINE BOILER INJECTION PUMP, BIP-1 AND ASSOCIATED PIPING AS REQUIRED. PUMP TO BE HUNG FROM SPRING ISOLATORS. REUSE EXISTING SUCTION DIFFUSER AND TRIPLE DUTY VALVE.
- CONNECT NEW BOILER AND BOILER INJECTION PUMP TO EXISTING JCI BMS.
- INSTALL AIR INLET COVER SHIPPED LOOSE WITH BOILER.



KEY PLAN
N.T.S.

FILE NAME AND PATH: G:\PROJECTS\2022\2022-207 Transit Brandon Garage Boiler Replacement\3.0 Coord. Rev\1.5 Main\221017_M101_MW_HV_L.mxd
LAST SAVED BY: jh
DATE PLOTTED: October 26, 2022 10:13:54 AM

0	ISSUED FOR CONSTRUCTION	JH	23/10/23
LETTER OR NUMBER	DESCRIPTION	BY	DD/MM/YY



Project Title
WINNIPEG TRANSIT BRANDON GARAGE BOILER REPLACEMENT

Location
WINNIPEG MANITOBA

Drawing Title
PARTIAL MAIN FLOOR PLAN MECHANICAL DEMOLITION AND NEW CONSTRUCTION

Drawn By
LP

Checked By
JH

Approved By
JH

Scale
AS NOTED

Date
OCTOBER 2022

Project No.
22-267-01

Revision Number
0

Drawing Number
M101

Sheet Order
3 OF 5