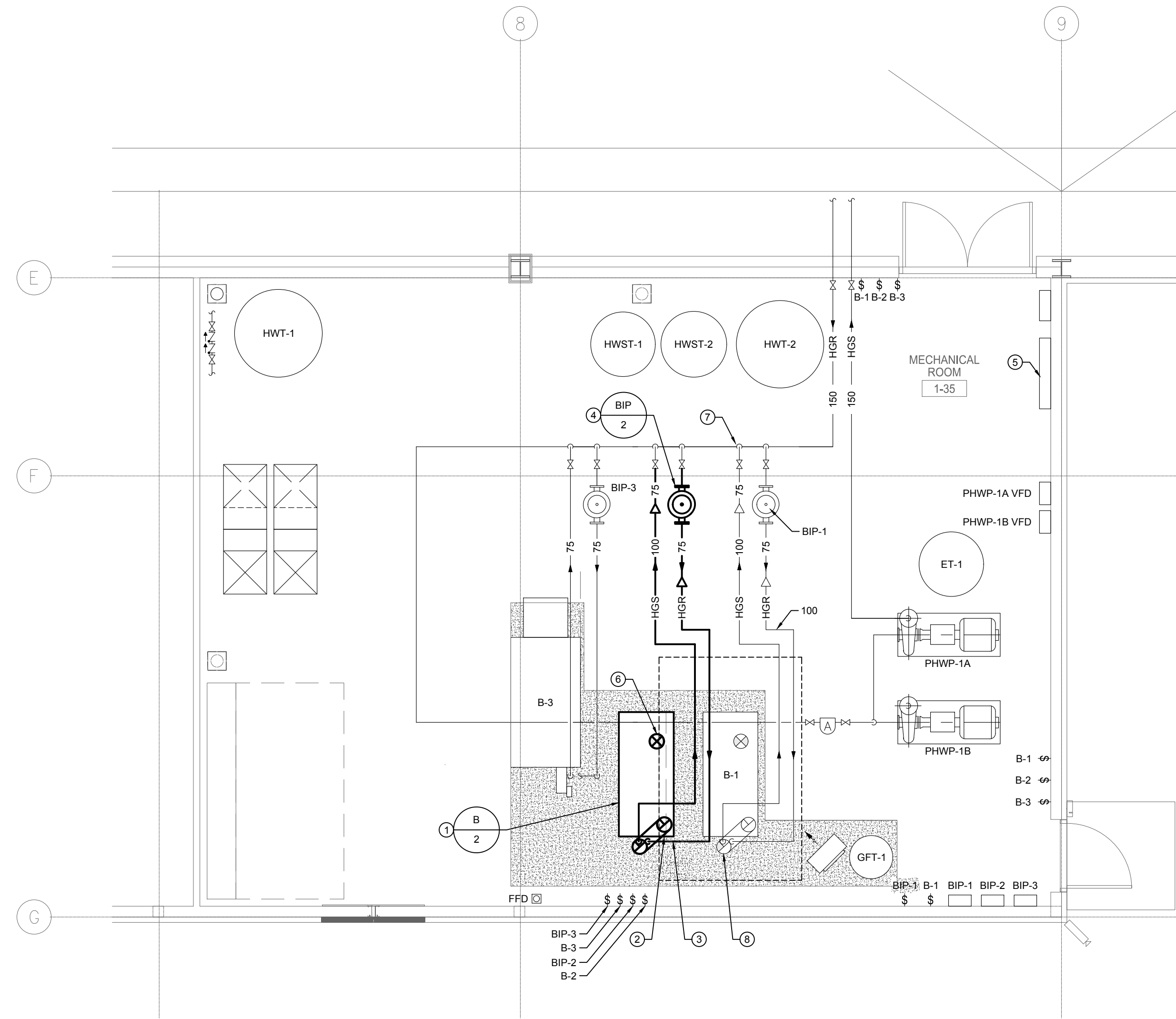


1 MAIN FLOOR PART PLAN - MECHANICAL - DEMOLITION
M101 SCALE: 1:50



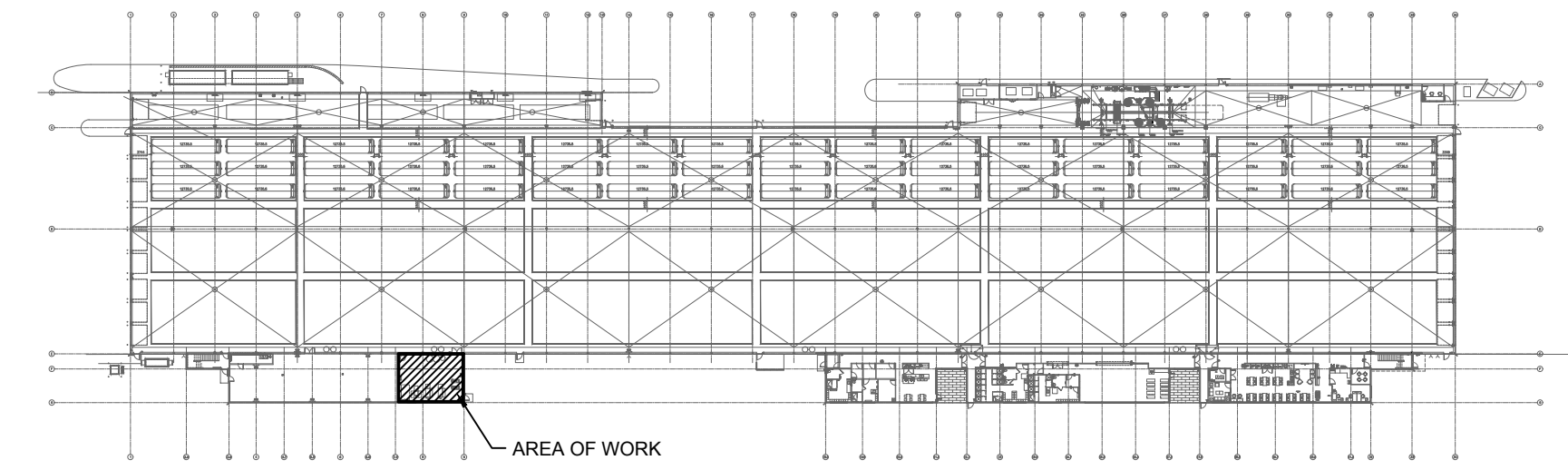
2 MAIN FLOOR PART PLAN - MECHANICAL - NEW CONSTRUCTION
M101 SCALE: 1:50

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-1 TO REMAIN.
- EXISTING NON-CONDENSING BOILER, B-3 TO REMAIN.
- EXISTING INLINE BOILER INJECTION PUMP, BIP-1 TO REMAIN.
- EXISTING INLINE BOILER INJECTION PUMP, BIP-3 TO REMAIN.
- MAIN HYDRONIC LOOP ISOLATION VALVES TO REMAIN.
- 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-2 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-2 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.
- DEMO AND REMOVE EXISTING BOILER VENTING VELOCITY CONE ON ROOF.

KEY NOTES

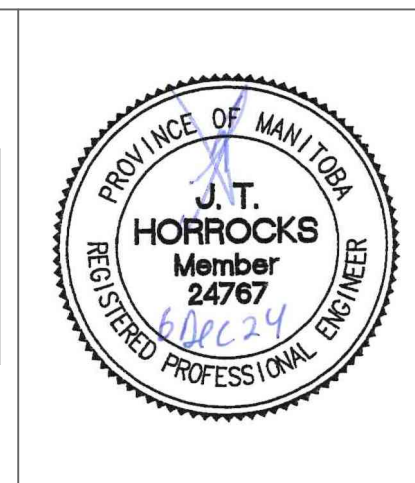
- PROVIDE AND INSTALL NEW HIGH EFFICIENCY CONDENSING BOILER, B-2. INSTALL IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTION.
- PROVIDE AND INSTALL NEW 200mm DIAMETER DOUBLE WALL AL29-4C VENTING UP THROUGH EXISTING ROOF OPENING C/W RAIN CAP AT OUTLET. MODIFY EXISTING OPENING AS REQUIRED TO SUIT INSTALLATION.
- 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-2 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.
- REMOVE AND REPLACE EXISTING LEAKING VICTAULIC FITTING. RE-INSULATE AND PVC CLAD AFTER COMPLETION.
- PROVIDE AND INSTALL NEW RAIN CAP ON BOILER B-1 OUTLET. CONSTRUCTION AND MATERIAL TO MATCH EXISTING VENTING.



KEY PLAN
N.T.S.

FILE NAME AND PATH: G:\PROJECTS\2024\24-214 Transp\Bldg\2 Replac\m101.dwg
LAST SAVED BY: smseng
DATE PLOTTED: October 28, 2022 10:13:54 AM

LETTER OR NUMBER	DESCRIPTION	BY	DD/MM/YY
0	ISSUED FOR CONSTRUCTION	JH	06/12/24



Project Title
**WINNIPEG TRANSIT
BRANDON GARAGE
BOILER #2 REPLACEMENT**

WINNIPEG MANITOBA

Drawing Title
**PARTIAL MAIN FLOOR PLAN
MECHANICAL
DEMOLITION AND NEW
CONSTRUCTION**

Drawn By
KS/AP
Checked By
JH
Approved By
JH
Scale
AS NOTED
Date
SEPTEMBER 2024
Project No.
24-214-01

Revision Number
0
Drawing Number
M101
Sheet Order
3 OF 5