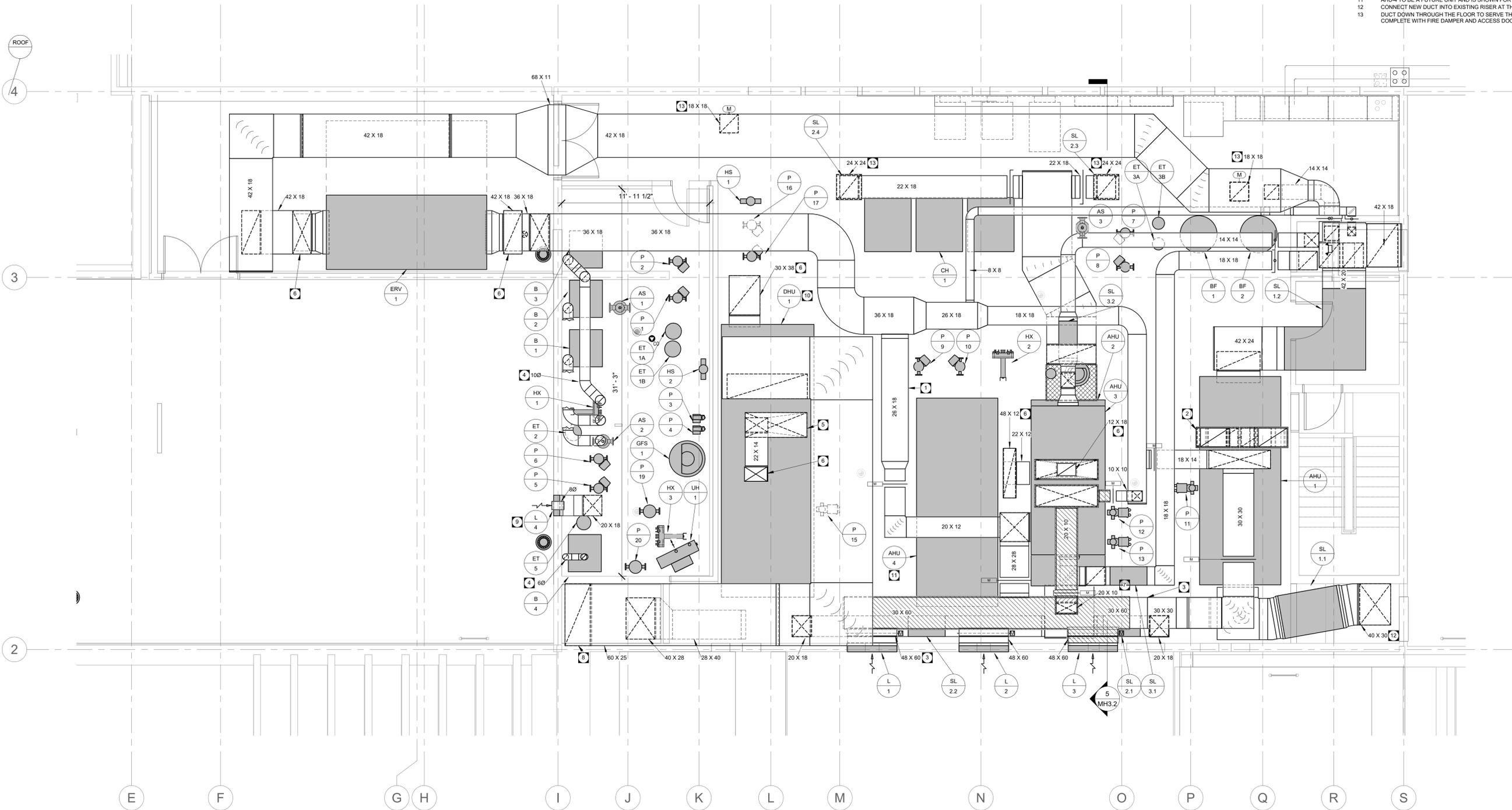


KEY NOTES

- 1 DUCT SIZE HAS BEEN OVERSIZED TO INCLUDE FUTURE AHU-4.
- 2 PROVIDE TWO EXHAUST DUCTS FOR AHU-1. DUCT TO BE SPLIT TO AVOID STRUCTURAL MEMBERS AT HIGH LEVEL AND TERMINATE THROUGH ROOF VENTS. SEE SHEET MH2.6.
- 3 FRESH AIR PLENUM TO SERVE AHU-1, 2, 3 AND 4 (FUTURE) COMPLETE WITH MOTORIZED DAMPERS.
- 4 PROVIDE SEPARATE FLUE EXHAUST DUCTS FOR EACH BOILER. OFFSET DUCTS AS NEEDED TO AVOID STRUCTURAL BEAMS. MAINTAIN THREE METRE CLEARANCE FROM ERV-1 INTAKE/EXHAUST ROOF VENTS ON THE ROOF.
- 5 OFFSET EXHAUST AND SUPPLY DUCT TO AVOID STRUCTURAL JOISTS. TERMINATE DUCTS THROUGH ROOF HOODS.
- 6 DUCT TO RISE AND TERMINATE THROUGH ROOF VENT. SEE SHEET MH2.6.
- 7 CONNECT FRESH AIR DUCT FROM THE TOP OF THE PLENUM TO AHU-3. COMPLETE WITH MOTORIZED DAMPER.
- 8 RETURN AIR DUCT FROM THE POOL BACK TO DHU-1. COMPLETE WITH FIRE DAMPER AND ACCESS DOOR AT THE FLOOR LEVEL.
- 9 VENTILATION DUCT AND COMBUSTION AIR DUCT TO SERVE THE BOILERS. REFER TO COMBUSTION AIR DETAIL ON SHEET MH4.2.
- 10 UNIT TO BE SHIPPED IN TWO PARTS AND ASSEMBLED IN THE MECHANICAL ROOM. BRING UNIT THROUGH OVERSIZED OPENING AT GRIDLINE I-4.
- 11 AHU-4 TO BE A FUTURE UNIT AND IS SHOWN FOR REFERENCE ONLY.
- 12 CONNECT NEW DUCT INTO EXISTING RISER AT THIS LOCATION.
- 13 DUCT DOWN THROUGH THE FLOOR TO SERVE THE MAIN FLOOR. COMPLETE WITH FIRE DAMPER AND ACCESS DOOR.



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Project
ST. JAMES CIVIC CENTRE

Drawing
LEVEL 2 - LARGE SCALE PLANS - HVAC

Drawn By: EB Review By: JS
 Scale: 1/4" = 1'-0" Tender No: 1176-2019
 Date: 11/06/19
 Sheet: **MH3.1**

LEVEL 2 - HVAC RENOVATION - LARGE SCALE 1
 1/4" = 1'-0" MH3.1