

1 MAIN FLOOR PLAN - HVAC
1 : 75

DRAWING NOTES:

- ① 250mm BUS TAIL PIPE EXHAUST DUCTWORK FROM EXHAUST HOSE TO THE INLET OF EXHAUST FAN MOUNTED ON THE ROOF. PROVIDE 100mm BYPASS DUCTWORK DOWNSTREAM OF EXHAUST FAN FOR BALANCING PURPOSE, C/W LOCKABLE BALANCING DAMPER GALVANIZED METAL MESH. MECHANICAL SUBCONTRACTOR TO BALANCE THE SYSTEM AND AVOID EXCESSIVE PRESSURE IN THE VEHICLE.
- ② GAS DETECTION CONTROL PANEL. CONFIRM EXACT LOCATION WITH THE CITY.
- ③ SUPPLY AIR DUCTWORK FROM MAU-1 ON ROOF.
- ④ EXHAUST AIR DUCTWORK TO MAU-1 ON ROOF.
- ⑤ APPROXIMATE LOCATION OF EXISTING 32mm, 34.5 kPa GAS LINE.
- ⑥ PROVIDE CONNECTION ON THE EXISTING 50mm 34.5 kPa NATURAL GAS LINE. COORDINATE EXACT TIE-IN LOCATION WITH THE CITY.
- ⑦ PROVIDE PRESSURE REDUCING VALVE, VENTED TO ATMOSPHERE AS REQUIRED.
- ⑧ GAS FIRED UNIT HEATER. PROVIDE 13mm GAS CONNECTION. 100mm VENT THROUGH ROOF AS PER CSA GAS CODE AND MANUFACTURER'S INSTRUCTION.
- ⑨ 50mm GAS LINE THROUGH THE ROOF APPROXIMATELY AT THIS LOCATION.
- ⑩ THERMOSTAT 1800mm A.F.F. C/W HEAVY DUTY METAL GUARD.
- ⑪ DUCTWORK FROM 200mm EXHAUST HOSES. PROVIDED BALANCER AND SUPPORT AS REQUIRED.
- ⑫ 200mm GAS FIRED UNIT HEATER COMBUSTION AIR INTAKE AT HIGH LEVEL, C/W WIND CAP.
- ⑬ NEDERMAN WELDING EXHAUST SYSTEM. REFER TO FAN SCHEDULE FOR DETAILS. CONFIRM THE EXACT LOCATION WITH THE CITY.
- ⑭ EXHAUST GRILLE AT LOW LEVEL. REFER TO SECTION DRAWING FOR DETAILS.
- ⑮ MOUNT THERMOSTAT AT 1800 A.F.F. C/W HEAVY DUTY METAL GUARD.

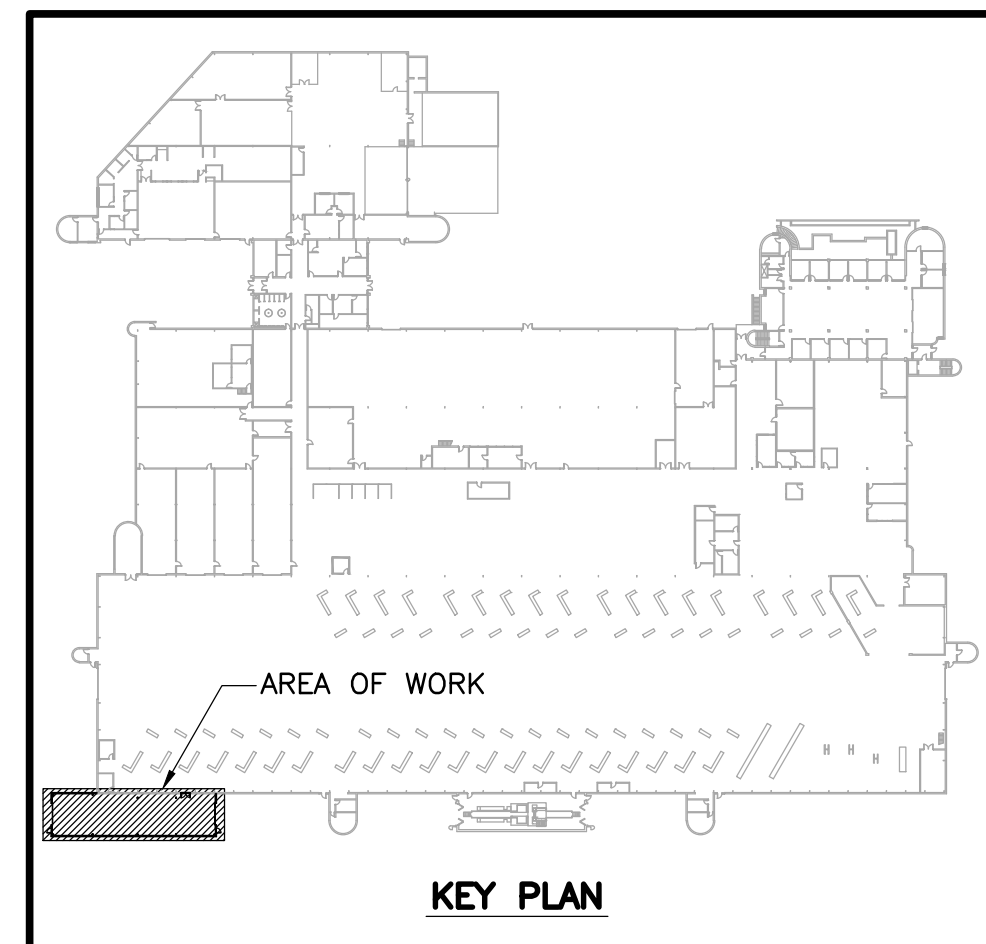
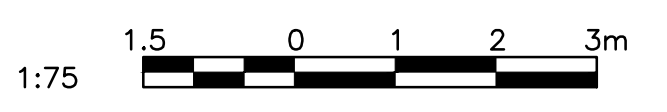
LEGEND:

- ↓— PIPE RISER DOWN
- NG— NATURAL GAS LINE
- ⋈ GATE VALVE
- ⋈ PRESSURE REDUCING VALVE
- CO CARBON MONOXIDE DETECTOR C/W HEAVY DUTY METAL GUARD AT HIGH AND LOW LEVEL
- NO2 NITROGEN DIOXIDE DETECTOR C/W HEAVY DUTY METAL GUARD AT HIGH AND LOW LEVEL
- ⊙ THERMOSTAT
- ⊠ EXHAUST AIR DUCTWORK
- ⊠ SUPPLY AIR DUCTWORK
- ⊠ SUPPLY AIR DIFFUSER (SQUARE)
- ⊠ RETURN AIR WALL TYPE OUTLET
- AHU 1 EQUIPMENT TAG
- A 300mm L/S 4A SUPPLY/RETURN DIFFUSER TAG

NO.	DESCRIPTION

NOTES:

1. REFER TO DWG 1329720500-DWG-M0007 FOR MECHANICAL SCHEDULES.
2. REFER TO DWG 1329720500-DWG-S0003 FOR MAIN FLOOR STRUCTURAL DETAILS.
3. REFER TO DWG 1329720500-DWG-B0002 FOR MAIN FLOOR BUILDING DETAILS.



NO.	DATE	DESCRIPTION	PREPARED	REVIEW	DESIGN	AUTHORIZE
01	14.02.05	ISSUED W/ ADDENDUM No. 01	EV	JS	TS	DLP
00	14.01.17	ISSUED FOR CONSTRUCTION	DD	JS	TS	DLP

ORIGINAL DRAWING REVISION "00" SEALED BY
T. SUN
14.01.17

DESIGNED BY:	PREPARED BY:	REVIEWED BY:
TS	EV	JS

AUTHORIZED BY:	DATE:	SCALE:
DLP	13.11.20	AS NOTED

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CLIENT: CITY OF WINNIPEG
TRANSIT DEPARTMENT

TETRA TECH

PROJECT NAME:
CITY OF WINNIPEG TRANSIT - FORT ROUGE GARAGE
BUS MAINTENANCE ADDITION

DRAWING DESCRIPTION:
**MAIN FLOOR PLAN
HVAC**

DRAWING NO.	REV.
1329720500-DWG-M0004	01