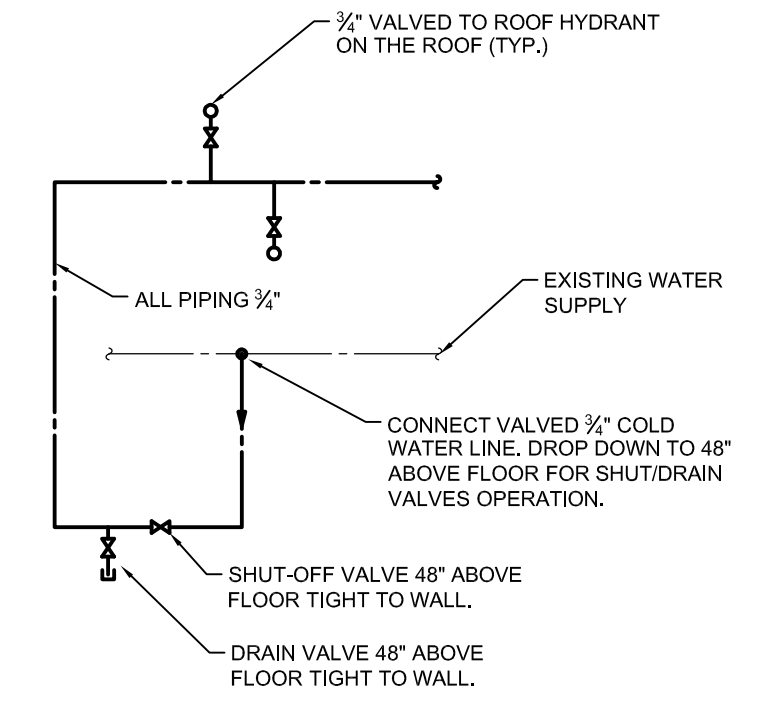


**2 ROOF HYDRANT SCHEMATIC DETAILS**  
SCALE: NTS

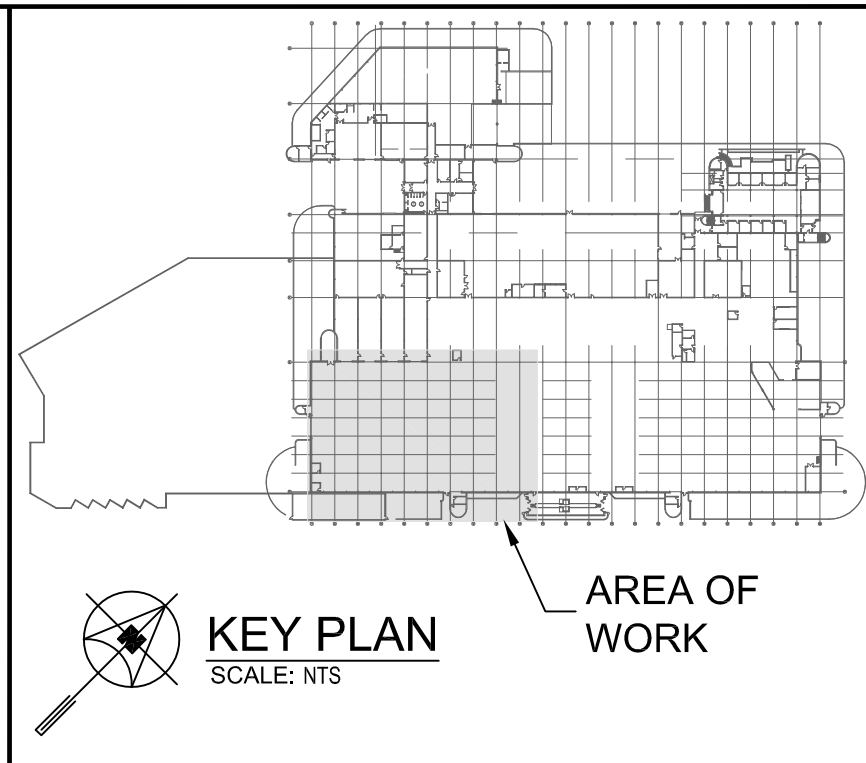


**GENERAL NOTES**

- A. ALL ABANDONED EQUIPMENT AND SERVICES WITHIN AREA OF WORK SHALL BE REMOVED.
- B. THIS BUILDING MAY CONTAIN ASBESTOS. REFER TO FRONT END SPECIFICATIONS FOR FURTHER INFORMATION.
- C. REFER TO ROOF DETAILS AND SPECIFICATIONS FOR ALL NEW AND CAPPED OPENINGS.
- D. THE WORK AREA IS OCCUPIED 24/7. DURING THE HOURS OF 7:00 AM TO 2:30 PM, IT IS THE BUSIEST TIME FOR THE AREA AND IT IS PREFERRED THAT NO MORE THAN TWO HOIST SPACES ARE IMPACTED BY THE SCOPE OF WORK BUT ADDITIONAL HOISTS MAY BE IMPACTED WITH SUFFICIENT NOTICE AND APPROVAL. DURING THE HOURS OF 2:30 PM TO 7:00 AM, THE AREA IS LESS BUSY AND APPROVAL FOR ADDITIONAL HOISTS TO BE IMPACTED WILL BE MORE EASILY OBTAINED. COORDINATE WITH THE CITY PRIOR TO COMMENCEMENT OF WORK. UPON COMPLETION OF WORK AT THE END OF EACH SHIFT, CLEAN UP THE AREA OF WORK TO ENSURE THE HOISTS ARE NOT IMPACTED.
- E. FOR DRAWING CLARITY, NOT ALL MECHANICAL EQUIPMENT, PIPING AND DUCTWORK HAS BEEN SHOWN.
- F. CAUTION SHOULD BE TAKEN TO PREVENT SILICA RELEASE AND FUMES INSIDE THE GARAGE. IT IS CONTRACTOR RESPONSIBILITY TO MONITOR AND CONTROL SILICA AND FUMES RELEASE AS A SAFETY RISK.

**KEY NOTES**

- 1. PROVIDE NEW GAS FIRED INFRARED HEATER, INSTALL AS HIGH AS POSSIBLE BUT AT LEAST 5' ABOVE HEIGHT OF BUS. PROVIDE MAXIMUM ALLOWANCE STACKING HEIGHT SIGNS AND OTHER SIGNS REQUIRED BY MANUFACTURER. PROVIDE LOWER RADIANT SHIELD TO BURNER. INSTALL IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS.
- 2. PROVIDE NEW FLUE VENT TO EXISTING.
- 3. PROVIDE COMBUSTION AIR INTAKE THROUGH ROOF. PROVIDE WEATHER TIGHT SEAL IN ACCORDANCE WITH ROOF DETAIL. CONTRACTOR TO CONFIRM EXACT LOCATION ON SITE.
- 4. PROVIDE NEW THERMOSTAT WIRED TO INFRARED HEATERS. INSTALL IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS.
- 5. CONNECT ROOF HYDRANT ABOVE ROOF. NEW ROOF HYDRANT LOCATED NEXT TO HRV. COORDINATE FINAL LOCATION ON SITE.
- 6. REFER TO 2/M2.1 FOR DETAILS OF ROOF HYDRANT SYSTEM.
- 7. CONNECT TO EXISTING WATER LINE. CONTRACTOR TO CONFIRM ON SITE. PROVIDE HOT TAP FOR TIE-IN TO AVOID SHUTTING DOWN DOMESTIC WATER SERVICE.
- 8. PRV VENT THROUGH ROOF. PROVIDE NEW WEATHER TIGHT SEAL. CONTRACTOR TO CONFIRM EXACT LOCATION ON SITE.
- 9. CAP-OFF FOR FUTURE CONNECTION.
- 10. PROVIDE NEW GAS DETECTOR TIED INTO EXISTING CONTROLLER AT GRID LINES 2 AND H. REFER TO ELECTRICAL FOR POWER DISTRIBUTION.
- 11. INSTALL FLUE VENT IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS.
- 12. REINSTALL EXISTING ROOF DRAIN IN NEW LOCATION AND CONNECT TO EXISTING PIPING. INSULATE PIPING AS PER SPECIFICATION.



4			
3			
2			
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0	ISSUED FOR CONSTRUCTION	JH	07/06/22
NO.	Description	BY	DDMMYY

**ENGINEERS GEOSCIENTISTS**  
MANITOBA  
Certificate of Authorization  
**SMS Engineering Ltd.**  
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20-349-01

**Winnipeg Transit**

Project Title  
**TRANSIT MAINTENANCE AND REPAIR BUILDING MECHANICAL UPGRADE - WEST HIGH BAY**  
WINNIPEG MANITOBA

Drawing Title  
**PARTIAL MAIN FLOOR PLAN - PLUMBING AND GAS DETECTION - NEW CONSTRUCTION**

Drawn By RNS	Checked By XZ	Approved By JH
Scale 1/16"=1'-0"	Date JUNE 2022	Project No. 20-349-01
Revision Number 0	Drawing Number M2.1	Sheet Order 6 OF 10

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LAYOUT: M2.1  
LAST SAVED BY: rns  
DATE FILED: 2022-06-22 10:02:22 AM

**1 PARTIAL MAIN FLOOR PLAN - PLUMBING AND GAS DETECTION - NEW CONSTRUCTION**  
SCALE: 1/16"=1'-0"