



Revision	Description/Description	Date/Date
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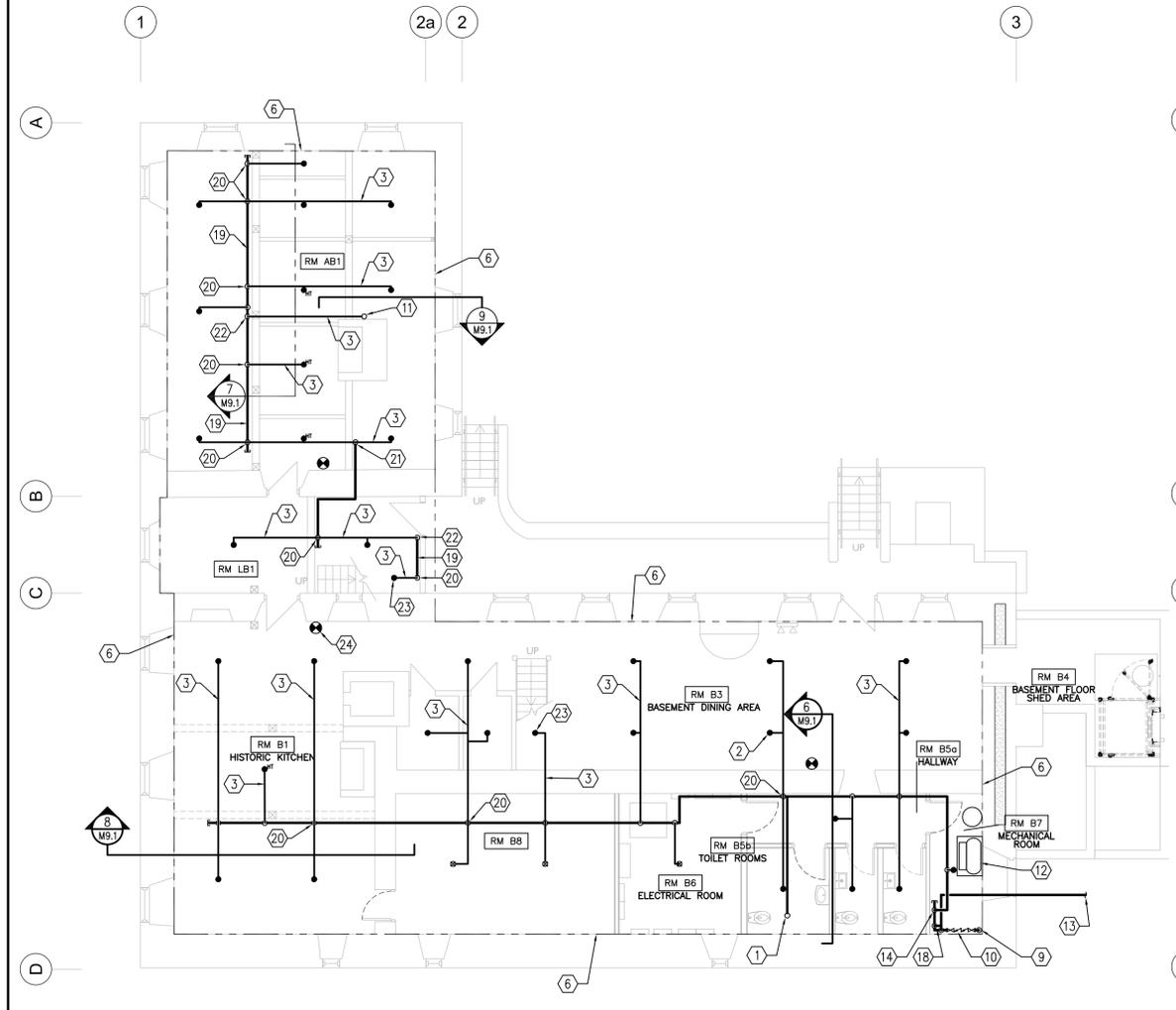
Client/client
Public Works and Government Services Canada
100 - 167 Lombard Avenue
Winnipeg, Manitoba

Project title/Titre du projet
Lower Fort Garry (LFG) National Historic Site, Manitoba
HERITAGE BUILDING RECAPITALIZATION

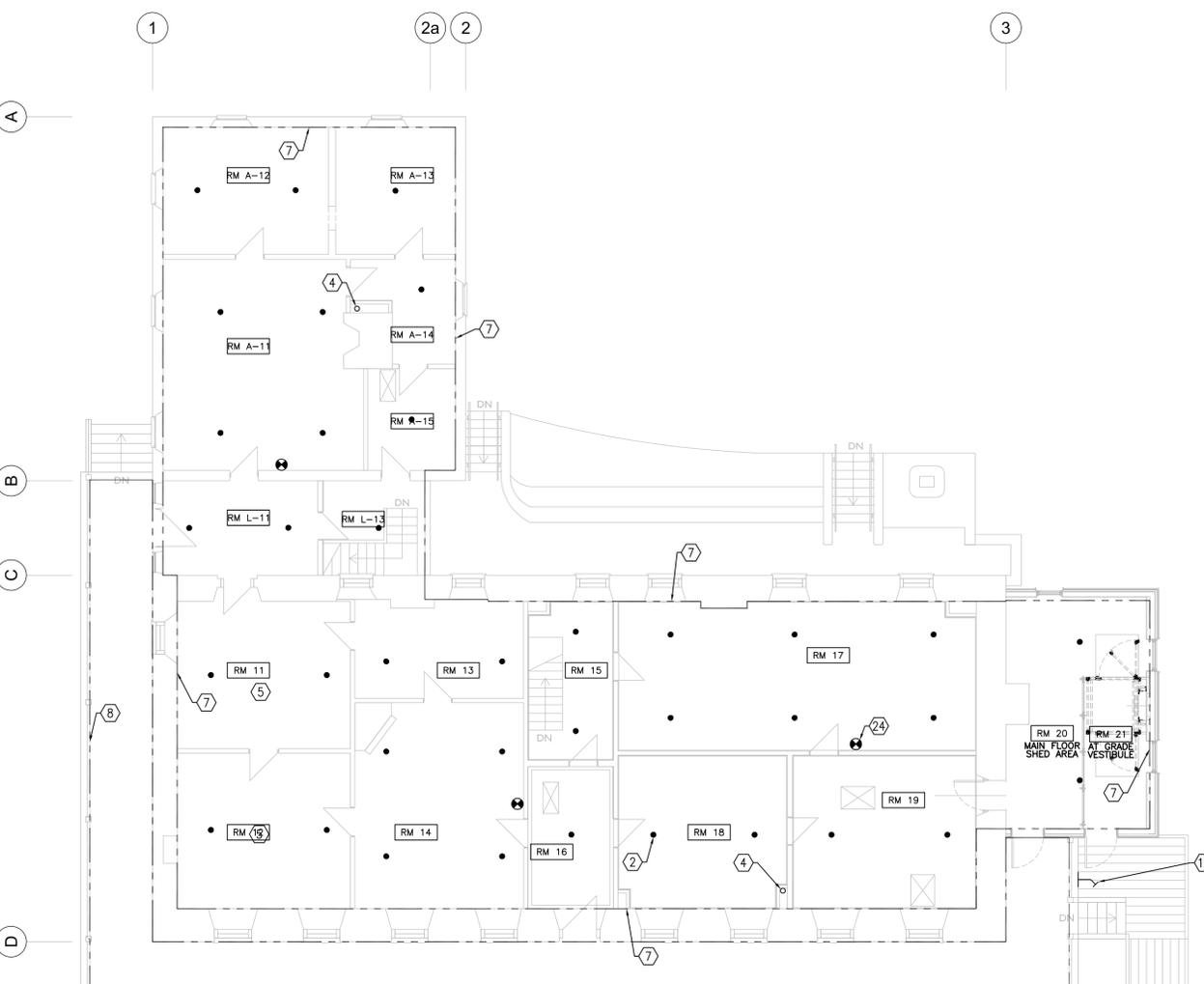
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BIG HOUSE - BASEMENT AND MAIN LEVEL NEW FIRE PROTECTION LAYOUT

Project No./No. du projet R.075212.001	Sheet/Feuille M6.1 OF 14	Revision no./La Révision no. 0
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1 BASEMENT NEW FIRE PROTECTION LAYOUT
M6.1 1:100



2 MAIN LEVEL NEW FIRE PROTECTION LAYOUT
M6.1 1:100

GENERAL NOTES:

- DO NOT SCALE THIS DRAWING. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION AND REPORT ANY DISCREPANCY TO THE DEPARTMENTAL REPRESENTATIVE.
- CONFORM TO SPECIFICATIONS AND MANUFACTURER GUIDES FOR MATERIALS AND UNITS' INSTALLATION DETAILS.
- SPRINKLER LAYOUT SHALL BE USED FOR PRICING ONLY. PIPING MATERIALS AND APPEARANCE SHALL BE APPROVED BY PARKS CANADA. FINAL PIPING AND LAYOUT SHALL BE CONFIRMED WITH PARKS CANADA.
- COORDINATE SPRINKLER LOCATION WITH OTHER DISCIPLINE.
- PROVIDE SPRINKLER PROTECTION ALL THROUGH OUT THE BUILDING AS PER LATEST EDITION OF NFPA 13 AND THE AUTHORITIES HAVING JURISDICTION.
- NEW OPENINGS IN STONE MUST BE DONE W/ HAND TOOLS ONLY. REFER TO SECTION 04 03 43 - HISTORIC STONE REMOVAL. ALTERNATIVE METHODS MUST BE APPROVED BY DEPARTMENTAL REPRESENTATIVE.

DRAWING KEYNOTES:

- DRY SPRINKLER PIPE UP TO MAIN FLOOR.
- CONCEALED SPRINKLER HEAD, TYPICAL. CONTRACTOR TO CONFIRM COVER PLATE COLOR WITH ARCHITECT PRIOR TO INSTALLATION.
- DRY SPRINKLER PIPE IN JOIST SPACE, TYPICAL.
- DRY SPRINKLER PIPE UP FROM BASEMENT AND UP TO ATTIC SPACE.
- COORDINATE LOCATION OF SPRINKLER HEAD WITH EXISTING RADIANT PANELS INSTALLED IN THESE ROOMS.
- BASEMENT FLOOR DRY PIPE SPRINKLER SYSTEM ZONE TO BE LIGHT HAZARD OCCUPANCY CLASSIFICATION.
- MAIN FLOOR DRY PIPE SPRINKLER SYSTEM ZONE TO BE LIGHT HAZARD OCCUPANCY CLASSIFICATION. REFER TO ATTIC SPACE FOR SPRINKLER PIPING OF THIS ZONE.
- MAIN FLOOR OVERHANG DRY SPRINKLER SYSTEM ZONE TO BE LIGHT HAZARD OCCUPANCY CLASSIFICATION. REFER TO DRAWING 1/M6.2 FOR SPRINKLER HEADS AND PIPE ROUTING.
- NEW INCOMING 200mmØ COMBINED DOMESTIC/FIRE PROTECTION WATER SERVICE UP FROM BELOW C/W FROST BOX. REFER TO PLUMBING DRAWINGS FOR CONTINUATION.
- NEW 150mmØ DOUBLE CHECK VALVE BACKFLOW PREVENTER. PIPE DRAIN INDIRECTLY TO FUNNEL FLOOR DRAIN PROVIDED BY PLUMBING DIVISION.
- DRY PIPE SPRINKLER MAIN DOWN FROM ATTIC. PROVIDE LOW POINT DRAIN.
- NEW SKID-MOUNTED NITROGEN GENERATOR INTEGRATED WITH OIL-LESS AIR COMPRESSOR C/W AIR TANK, NITROGEN TANK, VALVE AND APPURTENANCES. PIPE TO DRY PIPE SPRINKLER SYSTEM ZONE WITH AIR MAINTENANCE DEVICE. PROVIDE 50mm THICK HOUSEKEEPING CONCRETE PAD. COORDINATE WIRING REQUIREMENT WITH DIVISION 26.
- NEW 100mmØ PIPE C/W CHECK VALVE FROM HEADER TAKE-OFF TO FIRE DEPARTMENT STORZ CONNECTION. PIPE TO RUN UNDERSIDE OF THE DECK. CONTRACTOR TO COORDINATE PIPE ROUTING AND PROVIDE ADJUSTABLE PIPE SADDLE BOLTED ON 50mm THICK CONCRETE PAD FOR SUPPORT AS REQUIRED ON SITE.
- NEW DRY PIPE VALVE C/W TRIM AND CONTROL VALVE WITH TAMPER SWITCH TO SERVE BIG HOUSE DRY PIPE SPRINKLER SYSTEM ZONE. DIVISION 26 TO PROVIDE WIRING FOR ALARM PRESSURE SWITCHES AND AIR SUPERVISORY SWITCH.
- NOT USED.
- NOT USED.
- FIRE DEPARTMENT STORZ CONNECTION. CONTRACTOR TO COORDINATE PIPE ROUTING FROM THE BASEMENT.
- PROVIDE NORMALLY CLOSED VALVE AND CONNECT TO FIRE DEPARTMENT CONNECTION LINE UPSTREAM OF THE CHECK VALVE FOR FULL FORWARD FLOW TEST OF BACKFLOW PREVENTER.
- RUN DRY SPRINKLER MAIN TO UNDERSIDE OF THE CEILING SPACE AND ALONG THE EXPOSED BEAM, TYPICAL.

- DRY SPRINKLER PIPE NIPPLE OFFSET UP TO JOIST SPACE, TYPICAL.
- DRY SPRINKLER PIPE NIPPLE OFFSET DOWN TO UNDERSIDE OF THE CEILING SPACE.
- DRY SPRINKLER MAIN OFFSET DOWN TO EXPOSED BEAM LEVEL.
- SPRINKLER HEAD BELOW STAIR. COORDINATE PIPE ROUTING ON SITE.
- NEW 10 LBS. ABC TYPE FIRE EXTINGUISHER, TYPICAL. COORDINATE TYPE OF INSTALLATION WITH ARCHITECTURAL.