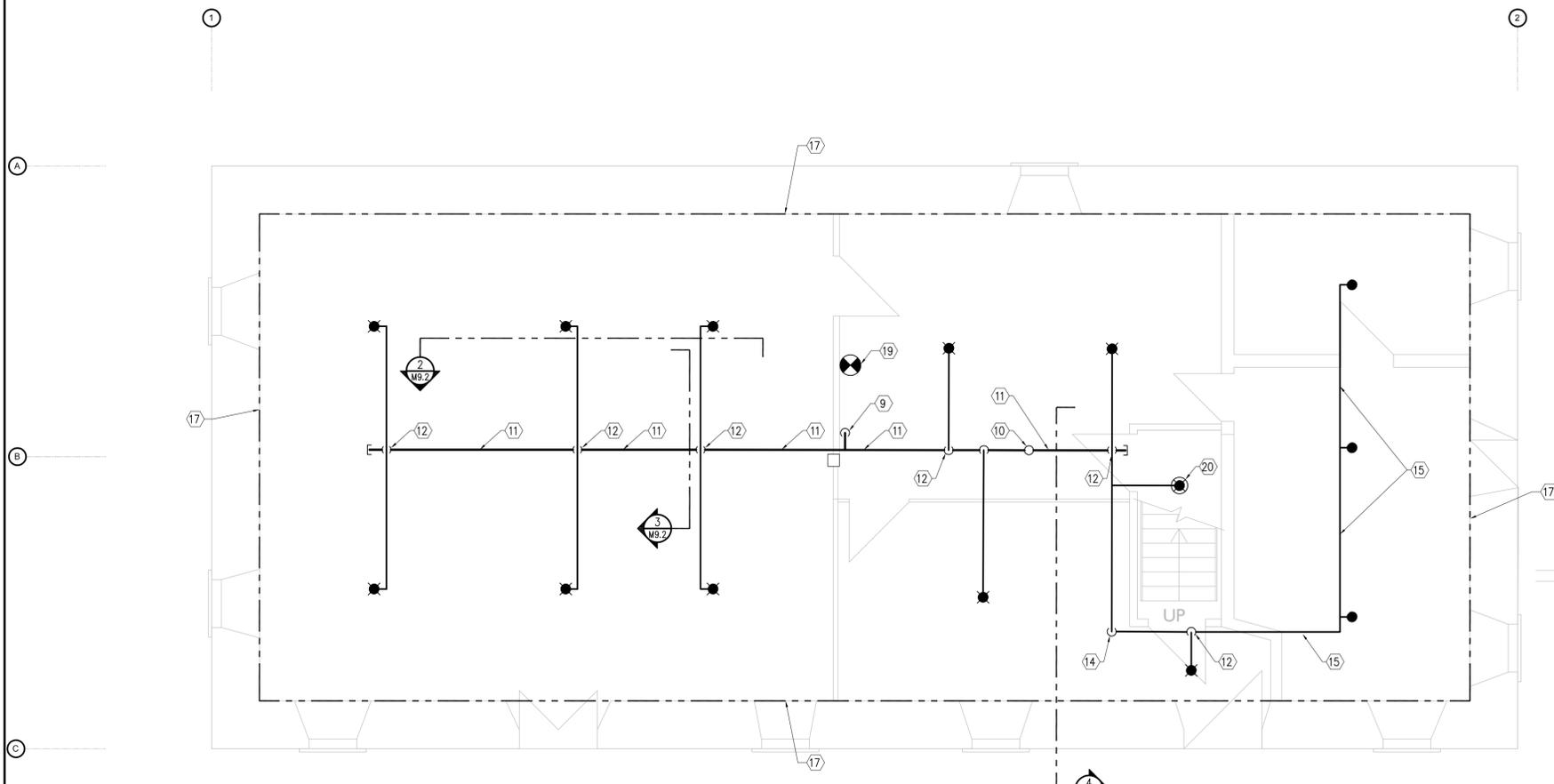
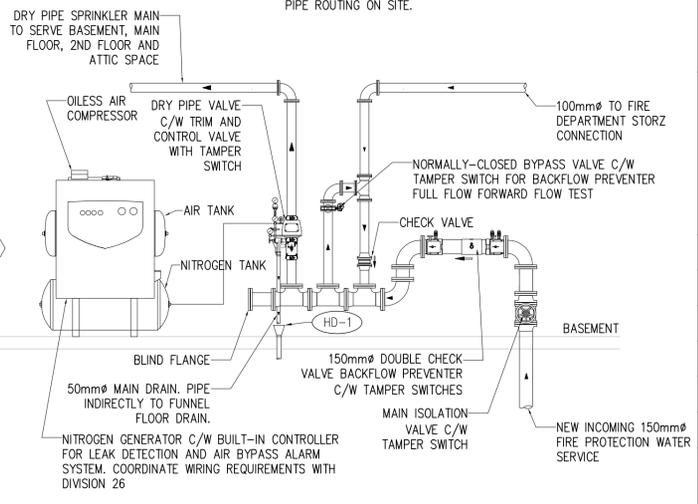


1 FUR LOFT-BASEMENT FIRE PROTECTION LAYOUT
M8.1 1:50



2 FUR LOFT-MAIN LEVEL FIRE PROTECTION LAYOUT
M8.1 1:50



3 DRY PIPE SPRINKLER SYSTEM ZONE VALVE SCHEMATIC
M8.1 NTS

- 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:**
- NEW 150mm ϕ FIRE PROTECTION WATER SERVICE UP FROM BELOW C/W FROST BOX.
 - NEW DOUBLE CHECK VALVE BACKFLOW PREVENTER. PIPE DRAIN INDIRECTLY TO HUB DRAIN PROVIDED BY DIVISION 22.
 - PROVIDE NORMALLY CLOSED VALVE AND CONNECT TO FIRE DEPARTMENT CONNECTION LINE UPSTREAM OF THE CHECK VALVE FOR FULL FORWARD FLOW TEST OF BACKFLOW PREVENTER.
 - NEW DRY PIPE VALVE C/W TRIM AND CONTROL VALVE WITH TAMPER SWITCH. DIVISION 26 TO PROVIDE WIRING TO PRESSURE SWITCHES AND AIR SUPERVISORY SWITCH.
 - 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 REQUIREMENTS WITH DIVISION 26.
 - DRY PIPE SPRINKLER MAIN UP TO MAIN FLOOR.
 - NEW INCOMING 150mm ϕ DOMESTIC/FIRE PROTECTION WATER SERVICE.
 - 100mm ϕ FIRE DEPARTMENT STORZ CONNECTION.
 - DRY PIPE SPRINKLER MAIN UP FROM BASEMENT.
 - DRY PIPE SPRINKLER MAIN UP TO SECOND FLOOR.
 - RUN DRY PIPE SPRINKLER MAIN TO U/S OF JOIST.
 - PIPE NIPPLE UP BETWEEN JOIST.
 - PROVIDE LOW TEMPERATURE ALARM CONNECTED TO INTRUSION ALARM SYSTEM.
 - OFFSET BRANCHLINE DOWN TO U/S OF JOIST.
 - SPRINKLER BRANCHLINE IN CEILING SPACE.
 - 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.
 - PIPE NEW 100 ϕ HUB DRAIN TO EXISTING SUITABLE SANITARY DRAIN. PROVIDE TRENCHING TO RUN NEW DRAIN BY DIVISION 22. CONTRACTOR TO CONFIRM EXACT LOCATION ON SITE PRIOR TO INSTALLATION.
 - NEW 10 LBS. ABC TYPE FIRE EXTINGUISHER. TYPICAL. COORDINATE TYPE OF INSTALLATION WITH ARCHITECTURAL.
 - PENDENT TYPE SPRINKLER HEAD C/W WIRE GUARD. COORDINATE PIPE ROUTING ON SITE.

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HDK Consulting Incorporated
No. 5539 Date: 04/30/2017

Revision/Revisions	Description/Description	Date/Date
0	ISSUED FOR TENDER	Sep. 12, 16

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

Approved by/Approuvé par
DH

Designed by/Concept par
PA

Drawn by/Dessiné par
IS

PWGS/C Project Manager/Administrateur de Projets TPSCG
CHRISTINA KOVACS

PWGS/C, Architectural and Engineering Resources, Manager/
Ressources Architectural et de Directeur d'ingénierie, TPSCG

Client/client
PARKS CANADA

Drawing title/Titre du dessin

FUR LOFT - BASEMENT AND MAIN LEVEL FIRE PROTECTION LAYOUT

Project No./No. du projet R.075212.001	Sheet/Feuille M8.1 OF 13	Revision no./La Révision no. 0
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