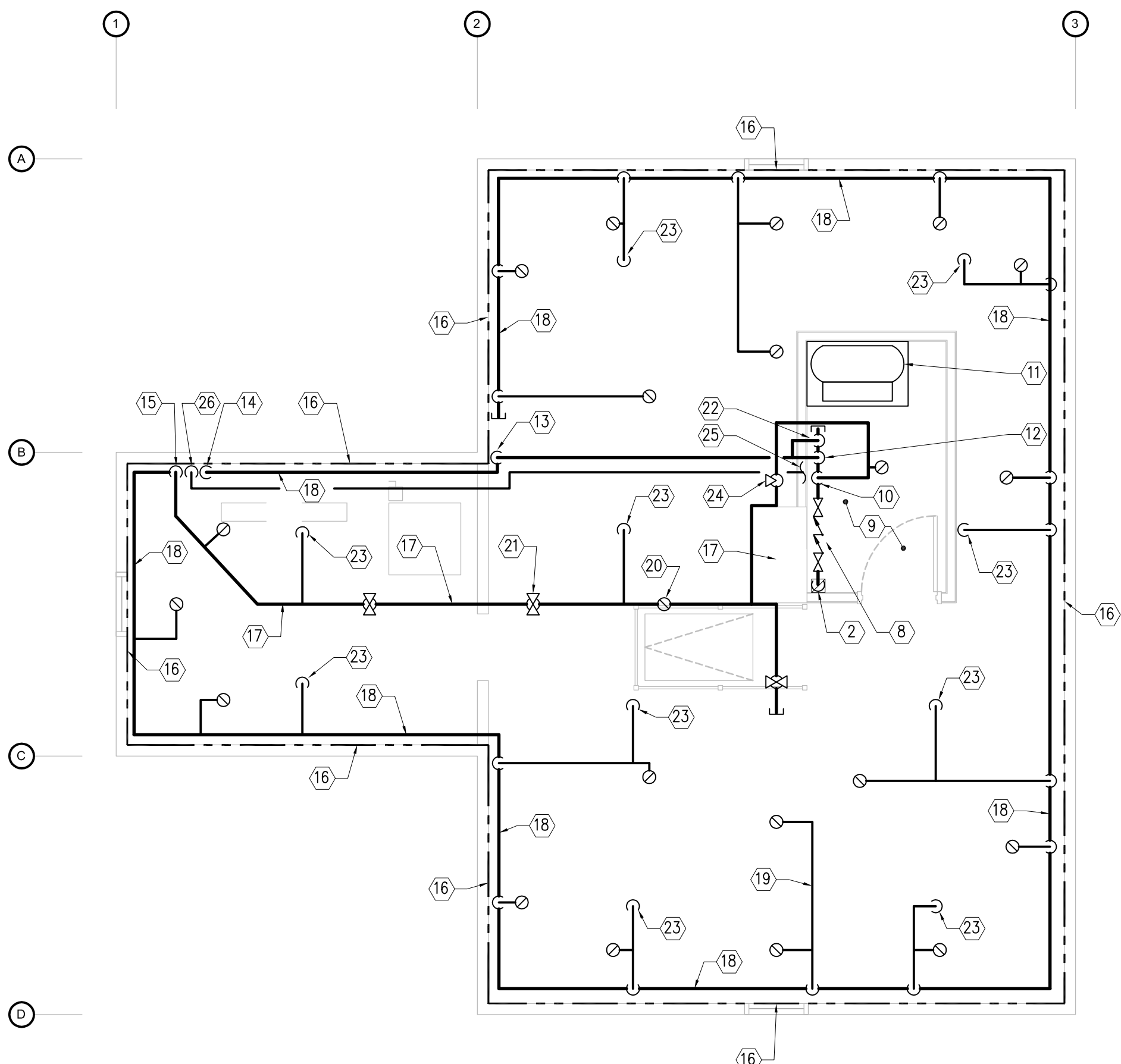


1 MAIN FLOOR FIRE PROTECTION LAYOUT
M7 1:50



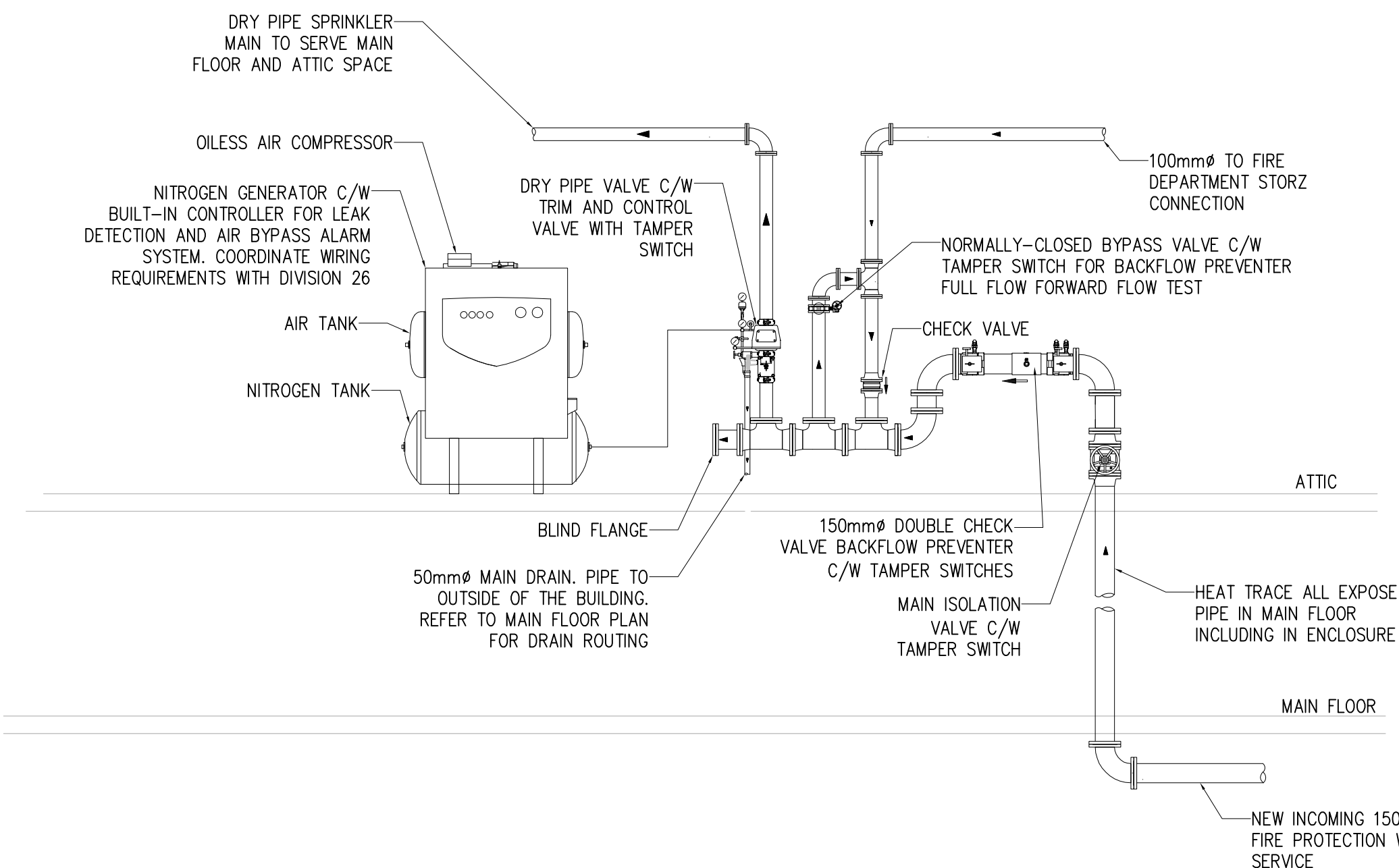
2 ATTIC NEW FIRE PROTECTION LAYOUT
M7 1:50

DRAWING KEYNOTES:

- 1 RUN WATER MAIN SUPPLY FOR SPRINKLER SYSTEM ALONG CHIMNEY INSIDE ENCLOSURE AND UP TO MECHANICAL ROOM IN ATTIC SPACE. HEAT TRACE ALL EXPOSED PIPE IN MAIN FLOOR, INCLUDING PIPE IN ENCLOSURE, AND DOWN TO ABOUT 2400mm (8'-0") BELOW GROUND. REFER TO ARCHITECTURAL FOR ENCLOSURE.
- 2 WATER MAIN SUPPLY UP FROM MAIN FLOOR.
- 3 MAIN FLOOR DRY PIPE SPRINKLER SYSTEM ZONE TO BE LIGHT HAZARD OCCUPANCY CLASSIFICATION. REFER TO ATTIC SPACE FOR SPRINKLER PIPING ON THIS ZONE.
- 4 FIRE DEPARTMENT CONNECTION LINE DOWN FROM ATTIC SPACE. RUN PIPE TIGHT TO WALL AND CONCRETE STOVE. REFER TO 2/M7 FOR CONTINUATION.
- 5 100mm \varnothing FIRE DEPARTMENT STORZ CONNECTION.
- 6 NEW 150mm \varnothing FIRE PROTECTION WATER SERVICE. REFER TO DETAIL AND DRAWING 1/M1 FOR CONTINUATION.
- 7 HIGH TEMPERATURE CONCEALED TYPE SPRINKLER HEAD, TYPICAL.
- 8 150mm \varnothing DOUBLE CHECK VALVE BACKFLOW PREVENTER C/W TAMPER SWITCHES. PIPE DRAIN TO OUTSIDE OF THE BUILDING. RUN PIPE ALONG WITH SPRINKLER MAIN DRAIN.
- 9 PROVIDE TEMPERATURE ALARM CONNECTED TO INTRUSION ALARM SYSTEM.
- 10 NEW DRY PIPE VALVE C/W TRIM AND CONTROL VALVE WITH TAMPER SWITCH TO SERVE MEN'S HOUSE DRY PIPE SPRINKLER SYSTEM ZONE. DIVISION 26 TO PROVIDE WIRING FOR ALARM PRESSURE SWITCHES AND AIR SUPERVISORY SWITCH.
- 11 NEW SKID-MOUNTED NITROGEN GENERATOR INTEGRATED WITH OIL-LESS AIR COMPRESSOR C/W AIR TANK, NITROGEN TANK, VALVE AN APPURTENANCES. PIPE TO DRY PIPE SPRINKLER SYSTEM ZONE WITH AIR MAINTENANCE DEVICE. PROVIDE 50mm THICK HOUSEKEEPING PAD. COORDINATE WIRING REQUIREMENTS WITH DIVISION 26.
- 12 150mm \varnothing PIPE C/W CHECK VALVE FROM HEADER TAKE-OFF TO FIRE DEPARTMENT STORZ CONNECTION.
- 13 FIRE DEPARTMENT CONNECTION LINE PIPE DOWN TO EAVE LEVEL.
- 14 FIRE DEPARTMENT CONNECTION LINE DOWN TO MAIN FLOOR.
- 15 PROVIDE LOW POINT DRAIN AND PIPE DRAIN DOWN TO MAIN FLOOR TO RUN TIGHT TO WALL AND CONCRETE STOVE AND TERMINATE OUTSIDE OF THE BUILDING.
- 16 ATTIC SPACE DRY PIPE SPRINKLER SYSTEM ZONE TO BE LIGHT HAZARD OCCUPANCY CLASSIFICATION.
- 17 DRY SPRINKLER MAIN LINE AT RIDGE LEVEL.
- 18 DRY SPRINKLER MAIN TO BE 600mm ABOVE ATTIC FINISH FLOOR LEVEL.
- 19 RUN DRY SPRINKLER BRANCHLINE ALONG WITH SLOPE OF ROOF TRUSS, TYPICAL.
- 20 ATTIC UPRIGHT TYPE SPRINKLER HEAD. DEFLECTOR TO BE 75mm BELOW THE BOTTOM OF TOP CHORD OR BOTTOM OF SOLID WOOD RAFTER, TYPICAL.
- 21 BACK TO BACK TYPE ATTIC SPRINKLER HEAD. TO BE 150mm BELOW RIDGE, TYPICAL.
- 22 PROVIDE NORMALLY CLOSED VALVE C/W TAMPER SWITCH AND CONNECT TO FIRE DEPARTMENT CONNECTION LINE UPSTREAM OF THE CHECK VALVE FOR FULL FORWARD FLOW TEST OF BACKFLOW PREVENTER.
- 23 DRY SPRINKLER BRANCHLINE DOWN TO SPRINKLER HEADS IN MAIN FLOOR.
- 24 SINGLE DIRECTIONAL TYPE ATTIC SPRINKLER HEAD. TO BE 150mm BELOW RIDGE, TYPICAL.
- 25 50mm \varnothing MAIN DRAIN FROM DRY PIPE SPRINKLER SYSTEM AND BACKFLOW PREVENTER.
- 26 50mm \varnothing MAIN DRAIN DOWN TO MAIN FLOOR. RUN TIGHT TO WALL AND CONCRETE STOVE.
- 27 50mm \varnothing MAIN DRAIN DOWN FROM ATTIC SPACE AND TERMINATE OUTSIDE OF THE BUILDING.
- 28 NEW 10 LBS. ABC TYPE FIRE EXTINGUISHER. COORDINATE TYPE OF INSTALLATION WITH ARCHITECTURAL.

GENERAL NOTES:

1. DO NOT SCALE THIS DRAWING, CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION AND REPORT ANY DISCREPANCY TO THE DEPARTMENTAL REPRESENTATIVE.
2. CONFORM TO SPECIFICATIONS AND MANUFACTURER GUIDES FOR MATERIALS AND UNITS' INSTALLATION DETAILS.
3. 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.
4. COORDINATE SPRINKLER LOCATION WITH OTHER DISCIPLINE.
5. PROVIDE SPRINKLER PROTECTION ALL THROUGH OUT THE BUILDING AS PER LATEST EDITION OF NFPA 13 AND THE AUTHORITIES HAVING JURISDICTION.
6. 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.



3 DRY SPRINKLER SYSTEM ZONE VALVE SCHEMATIC
M7 NTS