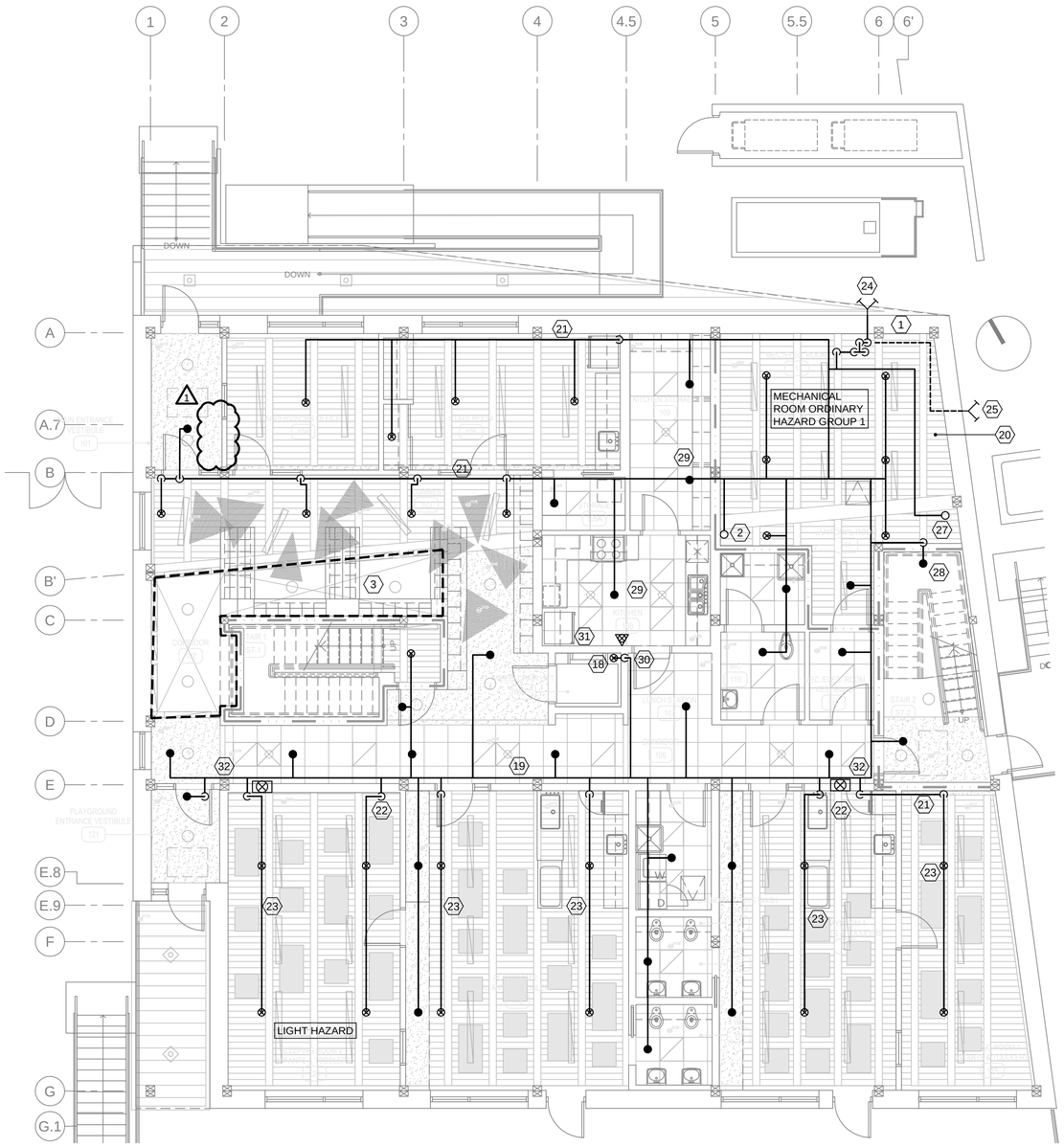
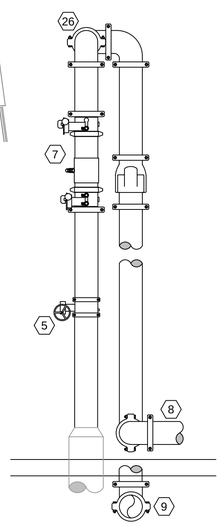
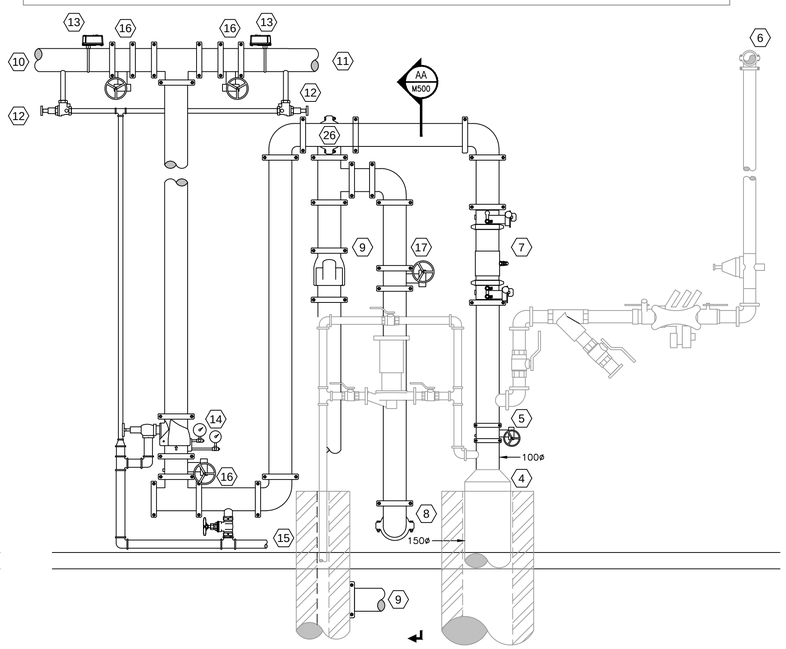


01 M500 GROUND FLOOR
SCALE: 1:75



AA M500 ELEVATION VIEW
SCALE: 1:10



02 M500 RISER DETAIL
SCALE: 1:10

GENERAL NOTES

1. ALL WORK SHOULD BE DONE AS PER THE REQUIREMENTS OF NFPA13–2016 AND THE NBCC–2015.
2. ALL PENETRATIONS THROUGH THE FLOORS, STAIRWELL WALLS OR WALL SEPARATING THE SECOND FLOOR FROM HIGH CEILING AREA OF THE FIRST FLOOR SHALL BE SEALED USING ULC LISTED FIRE STOPPING MATERIALS AND INSTALLATIONS CAPABLE OF ACHIEVING AN F–RATING OF NOT LESS THAN 45 MINUTES.
3. ALL EXPOSED PIPING SHALL BE PAINTED; REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PAINTING REQUIREMENTS.

(#) DRAWING NOTES

1. LOCATION OF WATER ENTRY; REFER TO RISER DETAIL 02/M–500.
2. GROUND FLOOR ZONE TO FEED HIGH AREA.
3. PROTECTED FROM GROUND FLOOR ZONE.
4. WATER ENTRY INTO BUILDING BY OTHER TRADE; FIRE PROTECTION WORK TO BEGIN INSIDE OF BUILDING.
5. MAIN WATER ENTRY VALVE (NORMALLY OPEN).
6. TO DOMESTIC WATER SYSTEMS.
7. DOUBLE CHECK VALVE BACKFLOW PREVENTER ASSEMBLY (VALVES NORMALLY OPEN).
8. BACKFLOW PREVENTER TEST HEADER INSTALLED THROUGH THE EXTERIOR WALL JUST ABOVE MECHANICAL ROOM FLOOR LEVEL.
9. TO FIRE DEPARTMENT CONNECTION INSTALLED IN CRAWL SPACE. PENETRATE THROUGH BEAM 2000 mm SOUTH OF GRIDLINE A; REFER TO STRUCTURAL DRAWINGS FOR EXACT LOCATION.
10. GROUND FLOOR WET SPRINKLER SYSTEM ZONE.
11. SECOND FLOOR WET SPRINKLER SYSTEM ZONE.
12. TEST & DRAIN VALVES.
13. FLOW SWITCH CONNECTED TO FIRE ALARM.
14. RISER CHECK VALVE WITH GAUGES AND MAIN DRAIN.
15. 50 mm DRAIN TO EXTERIOR OF BUILDING.
16. SPRINKLER ZONE CONTROL VALVE (NORMALLY OPEN).
17. TEST HEADER CONTROL VALVE (NORMALLY CLOSED).
18. SPRINKLER IN ELEVATOR SHAFT TO BE INTERMEDIATE TEMPERATURE WITH PROTECTIVE CAGE INSTALLED NOT MORE THAN 600 mm ABOVE ELEVATOR FLOOR.
19. INSTALL MAIN TIGHT ABOVE ACOUSTIC TILE CEILING IN CORRIDOR.
20. WITHIN THE MECHANICAL ROOMS, FINAL LOCATION OF SPRINKLERS TO BE COORDINATED WITH ALL SUB–CONTRACTORS AND GENERAL CONTRACTOR TO PREVENT OBSTRUCTIONS TO DISCHARGE FROM OTHER BUILDING SYSTEMS.
21. BRANCH LINE/MAIN IN ROOM TO BE INSTALLED TIGHT TO UNDERSIDE OF WOOD BEAMS.
22. TYP: BRANCH LINE PIPING SHALL PASS THROUGH WALL BELOW WOOD BEAM AND RISE TO CEILING TIGHT AGAINST THE WALL AT INTERIOR OF ROOM.
23. TYP: FOR OPEN CEILINGS, PENDENT SPRINKLERS SHALL BE INSTALLED TIGHT TO THE EDGES OF THE BEAMS WITH THE DEFLECTOR INSTALLED 25 mm BELOW THE UNDERSIDE OF THE BEAM.
24. TEST HEADER FOR BACKFLOW PREVENTER TO BE INSTALLED 1475 mm ABOVE GRADE; PIPING TO BE INSTALLED THROUGH CRAWL SPACE. SEAL PENETRATION IN EXTERIOR WALL WITH WEATHER–PROOF ASSEMBLY AND PROVIDE WITH CHROME PLATE IDENTIFYING "TEST–HEADER."
25. FIRE DEPARTMENT CONNECTION TO BE INSTALLED 975 mm ABOVE GRADE; PIPING TO BE INSTALLED THROUGH CRAWL SPACE. SEAL PENETRATION IN EXTERIOR WALL WITH WEATHER–PROOF ASSEMBLY AND PROVIDE WITH CHROME PLATE IDENTIFYING "AUTO–SPRINKLER". COORDINATE EXACT LOCATION OF CONNECTION WITH PENETRATION SPECIFIED ON STRUCTURAL DRAWINGS.
26. 100 mm TEE FITTING TO DIVIDE TEST HEADER AND FIRE DEPARTMENT CONNECTION.
27. RISER UP FOR SECOND FLOOR SPRINKLER SYSTEM.
28. SPRINKLER BELOW LOWEST STAIR LANDING.
29. SPRINKLER TO BE INSTALLED BELOW DUCTWORK TIGHT ABOVE ACOUSTIC TILE CEILING.
30. 25 mm PIPE DOWN IN WALL CAVITY FOR SPRINKLER AT BOTTOM OF ELEVATOR SHAFT.
31. K–RATED FIRE EXTINGUISHER IN KITCHEN.
32. DRY CHEMICAL, MULTI–PURPOSE FIRE EXTINGUISHER IN CABINET; MINIMUM RATING 3A:40B:C

Public Works and Government Services Canada / Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES
Western Region
SERVICES IMMOBILIERS
Région de l'ouest

PRELIMINARY
NOT FOR CONSTRUCTION

Architects / Architectes

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REGISTERED PROFESSIONAL ENGINEER
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LICENSEE
24 April 2018
NT/NU

Revision	Description	Date
1	ISSUED FOR ADDENDUM NO 3	2018-04-24
0	ISSUED FOR TENDER	2018-03-16

Client / client

Indigenous and Northern Affairs Canada

Public Works and Gouverment Services Canada

Project title / Projet

NEW IQALUIT DAYCARE

Designed by / Conçu par: **S.O. / D.V.**
Drawn by / Dessiné par: **S.O.**
Approved by / Approuvé par: **W.K.**
PWGSC Project Manager / Administrateur de Projets TPSGC: **Russell Knister**

Drawing title / Titre du dessin

MECHANICAL

SPRINKLER PROTECTION PLAN

GROUND FLOOR

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
648139	M500	0
	17 OF 22	