

KEY PLAN - UNIT 1 TO 8
N.T.S.

GENERAL MECHANICAL NOTES

1. ALL WORK SHOWN OR IMPLIED ON THESE DRAWINGS SHALL CONFORM TO THE LATEST EDITION OF THE ONTARIO BUILDING CODE, AND TO ALL THE RULES, REGULATIONS, REQUIREMENTS AND BYLAWS OF THE AUTHORITIES HAVING JURISDICTION.
2. THE MECHANICAL CONTRACTOR SHALL EXAMINE THE SITE AND BE FAMILIAR WITH THE CONSTRUCTION STATUS AND THE LOCATION OF ALL EXISTING EQUIPMENT PRIOR TO SUBMITTING HIS TENDER.
3. MAIN DOMESTIC COLD WATER PIPES SHALL BE COPPER TYPE-L AND SHALL BE COVERED WITH 1/2" (12mm) THICK MOLDED FIBERGLASS INSULATION C/W ALUMINUM VAPOR BARRIER JACKET WITH ALL JOINTS TAPED AND SEALED AND PVC CLADDING.
4. STORM WASTE AND VENT PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE ONTARIO BUILDING CODE. USE ABS PLASTIC FOR SANITARY & STORM DRAIN BELOW FINISHED FLOOR (BURIED).
5. STORM DRAIN ABOVE GROUND SHALL BE INSULATED WITH 1" THICK MOLDED FIBERGLASS INSULATED C/W ALUMINUM VAPOR BARRIER AND PVC CLADDING. INSULATE THE ROOF DRAIN RECEIVER WITH THE SAME INSULATION AS THE ABOVE GROUND STORM DRAIN.
6. TEST AND ADJUST THE PLUMBING SYSTEM TO THE SATISFACTION OF THE AUTHORITIES HAVING JURISDICTION.
7. ISOLATE PIPE FROM HANGER WITH ELECTROLYTIC ACTION TAPE.
8. THE SHEET METAL CONTRACTOR SHALL VERIFY ALL DUCT LOCATION PLUS ARCHITECTURAL, STRUCTURAL AND ELECTRICAL CONDITIONS AT DUCT RUNS TO ENSURE CLEARANCES PRIOR TO FABRICATION OF DUCTWORK.
9. ALL DUCTWORK SHALL MEET CURRENT ASHRAE AND SMACNA STANDARDS. ALL DUCTWORK SHALL BE NEW AND FREE OF DENTS. DUCTS SHALL BE GALVANIZED STEEL OF THE FOLLOWING THICKNESS:
 - UP TO 12" (305mm) WIDE = 0.018" (0.46mm)
 - 13" (330mm) TO 30" (760mm) WIDE = 0.024" (0.61mm)
 - OVER 30" (760mm) WIDE = 0.030" (0.76mm)
 SUPPLY AND INSTALL FLEXIBLE DUCT CONNECTIONS AT THE INLET AND OUTLET TO ALL EQUIPMENT WITH ROTATING COMPONENTS. ALL EXHAUST AIR DUCTS SHALL BE INSULATED WITH 12.5mm (1/2") THICK FIBERGLASS INSULATION C/W VAPOR BARRIER FROM 6'-0" TO THE OUTSIDE WALL.
13. THE MECHANICAL CONTRACTOR IS TO PROVIDE ACCURATE "AS-BUILT" DRAWINGS TO THE ENGINEER AT THE COMPLETION OF THE PROJECT AND IS TO CERTIFY IN WRITING THAT ALL WORK HAS BEEN COMPLETED IN ACCORDANCE TO THE DRAWINGS AND SPECIFICATIONS.
14. ALL MECHANICAL TRADES SHALL COORDINATE THEIR WORK WITH ALL OTHER TRADES AND THE OWNER.
15. PAY AND OBTAIN ALL REQUIRED PERMITS, FEES, LICENSES, CERTIFICATE OF INSPECTIONS, ETC. PROVIDE AND SUBMIT DRAWINGS TO THE AUTHORITIES IF REQUIRED.
16. CLEAN ALL EQUIPMENT AND OTHER INSTALLATIONS. FOLLOW INITIAL MAINTENANCE INSTRUCTIONS FROM MANUFACTURER, PRIOR TO FINAL INSPECTION.
17. SUBMIT TWO (2) COPIES OF MAINTENANCE MANUAL TO OWNER.
18. GUARANTEE IN WRITING FOR THE MATERIAL AND WORKMANSHIP INCLUDING THE MANUFACTURER'S GUARANTEE FOR THE PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE.
19. SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL BY THE ENGINEER PRIOR TO COMMENCING WORK.
20. FIBERGLASS INSULATION WITH ALUMINUM VAPOR BARRIER..

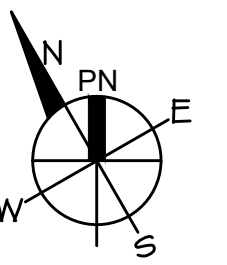
DRAWING NOTES

- ① 8" UNDERGROUND STORM DRAIN EXITING THE BUILDING. REFER TO SITE SERVICES DRAWING FOR CONTINUATION.
- ② 6" SANITARY DRAIN AND 3" DOMESTIC COLD WATER REFER TO DRAWING M-2 FOR CONTINUATION.
- ③ 1" DOMESTIC COLD WATER C/W SHUT-OFF VALVE & CAP FOR FUTURE TENANT CONNECTION.
- ④ 4" SANITARY TO BE TERMINATED 6" ABOVE FINISH FLOOR & CAP FOR FUTURE TENANT USE.
- ⑤ 3" PLUMBING VENT C/W VENT ROOF TERMINAL & CAP BELOW ROOF FOR FUTURE TENANT USE.

LEGEND

	DOMESTIC COLD WATER (CW)
	UNDERGROUND STORM DRAIN
	UNDERGROUND SANITARY DRAIN
	CLEAN OUT.
	NCM FREEZED WALL HYDRANT
	SHUT-OFF VALVE (BALL VALVE)
	4" SANITARY TO BE EXTENDED UP TO 6" ABOVE FINISH FLOOR 4. CAP FOR FUTURE TENANT USE.
	6" ROOF DRAIN C/W SUMP RECEIVER, ADJUSTABLE EXTENSION, DUCK CLAMP AND 8" HIGH SELF LOOKING PLOYETHYLENE DOME

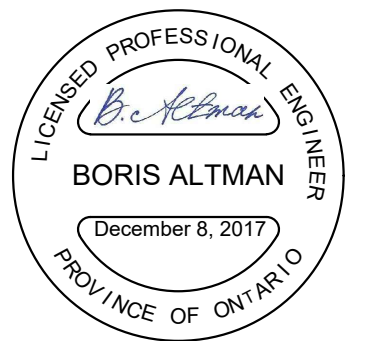
proj. north



B.A. Design Ltd.
Complete Engineering Services

1470 Triole Street,
Unit 2, Ottawa, Ontario
K1B 3S6
Tel: (613) 742-1853
Fax: (613) 742-0386
E-mail: altman@trytel.com

SEAL



1	ISSUED FOR PERMIT	08/Dec/2017
No	Revision	Date

A	A detail no.	A
B	B location drawing no.	B
C	C drawing no.	C

project

**LONGFIELDS STATION
COMMERCIAL PLAZA**

605 LONGFIELDS DRIVE
OTTAWA, ONTARIO

drawing

**UNIT 1 TO 8
PLUMBING LAYOUT**

designed	H.D.
drawn	G.C.
revised	B.A.
date	08/Dec/2017
scale	1/8" = 1' - 0"
project no.	LCP12-2017
file no.	

drawing no.

M-1