

FOR CONTINUATION
SEE DRAWING
1-0640C-E0010

LEGEND:
 _____ EXISTING
 - - - - - NEW WORK

GENERAL NOTES:

1. FIRE ALARM DEVICES SHOWN ARE NEW AND NEED TO BE PROVIDED BY THE CONTRACTOR. EXISTING FIRE ALARM SYSTEM TO BE DEMOLISHED AFTER NEW FIRE ALARM SYSTEM IS INSTALLED AND FULLY COMMISSIONED. SEE DRAWING 1-0640M-E0051 FOR DEMOLITION WORK.
2. ALL WIRING ASSOCIATED WITH FIRE ALARM EQUIPMENT SHALL BE RUN IN CONDUIT AND PROVIDED BY THE CONTRACTOR.
3. PROVIDE EXPANSION COUPLINGS AND FITTINGS FOR ALL CONDUIT CROSSING EXPANSION JOINTS (IF APPLICABLE).
4. UTILIZE A MINIMUM OF #12 AWG WIRE SIZE FOR NOTIFICATION APPLIANCE CIRCUITS (NAC).
5. ALL WIRE CONNECTION SHALL BE MADE VIA TERMINAL BLOCKS (MARRETTES NOT ALLOWED).
6. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ANY ADDITIONAL EQUIPMENT IN ORDER TO COMPLETE FIRE ALARM DESIGN.
7. REFER TO SPECIFICATION FOR FIRE ALARM EQUIPMENT MODEL NUMBERS.
8. UTILIZE A MINIMUM OF #18 AWG FOR DETECTION CIRCUITS.
9. REFER TO ASBESTOS REPORTS IN APPENDIX B. ASBESTOS IS PRESENT IN AND/OR PRESUMED TO BE PRESENT IN (BUT NOT LIMITED TO) THE FOLLOWING:

- PIPING : RAIN WATER LEADER (SWEAT WRAP PIPE INSULATION & PARGING OVER FIBREGLASS)
 DOMESTIC WATER HOT/COLD (PARGING OVER FIBREGLASS)
 CHILLED WATER SUPPLY/RETURN (PARGING CEMENT)
- FLOOR : PLASTER (CERAMIC TILES)
 ADHESIVE/MASTIC (CERAMIC TILES)
- DUCT : GENERATOR EXHAUST (MAGNESIA BLOCK)
 FRESH AIR INTAKE (SWEAT WRAP PIPE INSULATION & PARGING OVER FIBREGLASS)

PUMPING STATION - LOWER LEVEL
 SCALE: 1 : 75

DESIGN INTENT NOTES

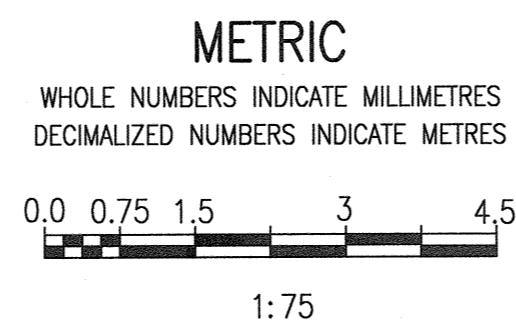
1/ FAS-M-D24 DUCT DETECTOR IS INTENDED TO SHUT OFF SUPPLY FANS FN1, FN2 AND FN3. IN THE EVENT OF AN ALARM, CONTROL RELAY FAS-M-C01, C02, C03 (LOCATED IN FAN ROOM ON DRAWING 1-0640M-E0054) WILL GENERATE A SIGNAL TO SHUT OFF FANS FN1, FN2 AND FN3 RESPECTIVELY.

CONSTRUCTION NOTES:

- 1 LOCATE NEW DUCT SMOKE DETECTOR NEAR THE TOP OF DUCT IN A HORIZONTAL RUN AND SEVERAL METERS FROM THE FAN DISCHARGE.

LAST SAVE: 2019/10/30 - 11:55am
 PATH: M:\661472\ENG\47ELE\DD - General DWG\01 McPhillips\1-0640M-E0053-001-00.dwg

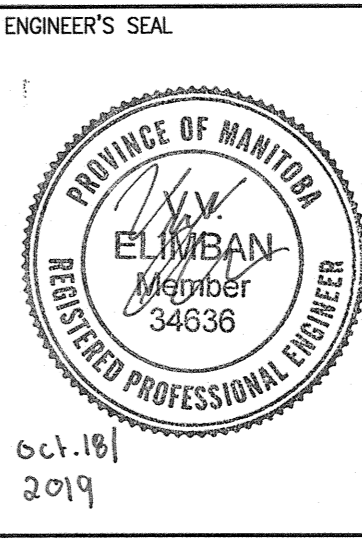
1-0640M-E0048	CONSTRUCTION PLAN, PHASE 3
1-0640M-E0057	ELECTRICAL FIRE ALARM, LEGEND AND DETAILS
1-0640M-E0056	RISER DIAGRAM, NOTIFICATION SYSTEM
1-0640M-E0055	RISER DIAGRAM, DETECTION SYSTEM
1-0640M-E0054	ELECTRICAL FIRE ALARM PLAN, PUMPHOUSE, MEZZANINE LEVEL
1-0640M-E0051	ELECTRICAL FIRE ALARM PLAN, PUMPHOUSE LOWER LEVEL, DEMOLITION
DRAWING NUMBER	REFERENCE DRAWINGS



00	ISSUED FOR TENDER AND CONSTRUCTION	2019/10/18	VE	KS
NO.	REVISIONS	DATE	DESIGN	CHECK

SNC-LAVALIN INC.
 148 Nature Park Way
 Winnipeg, MB, Canada R3P 0X7
 204-786-8080

DESIGNED BY: V. ELIMBAN
 CHECKED BY: K. SAPIAK
 DRAWN BY: C. DUBON
 APPROVED BY: D. BECKER
 SCALE: 1 : 75
 DATE: 2019/07/03
 ISSUED FOR CONSTRUCTION
 BY: A. WEISS
 DATE: 2019/10/18
 CONSULTANT NO.:



THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT

MCPHILLIPS PUMPING STATION
 ELECTRICAL AND HVAC UPGRADES, MCC REPLACEMENT
 ELECTRICAL FIRE ALARM PLAN
 PUMPHOUSE
 LOWER LEVEL

CITY DRAWING NUMBER: 1-0640M-E0053
 SHEET: 001
 REV: 00
 SIZE: A1