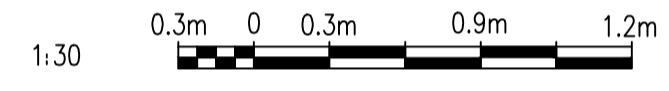


MECHANICAL ROOM
SCALE: 1 : 30



GENERAL NOTES:

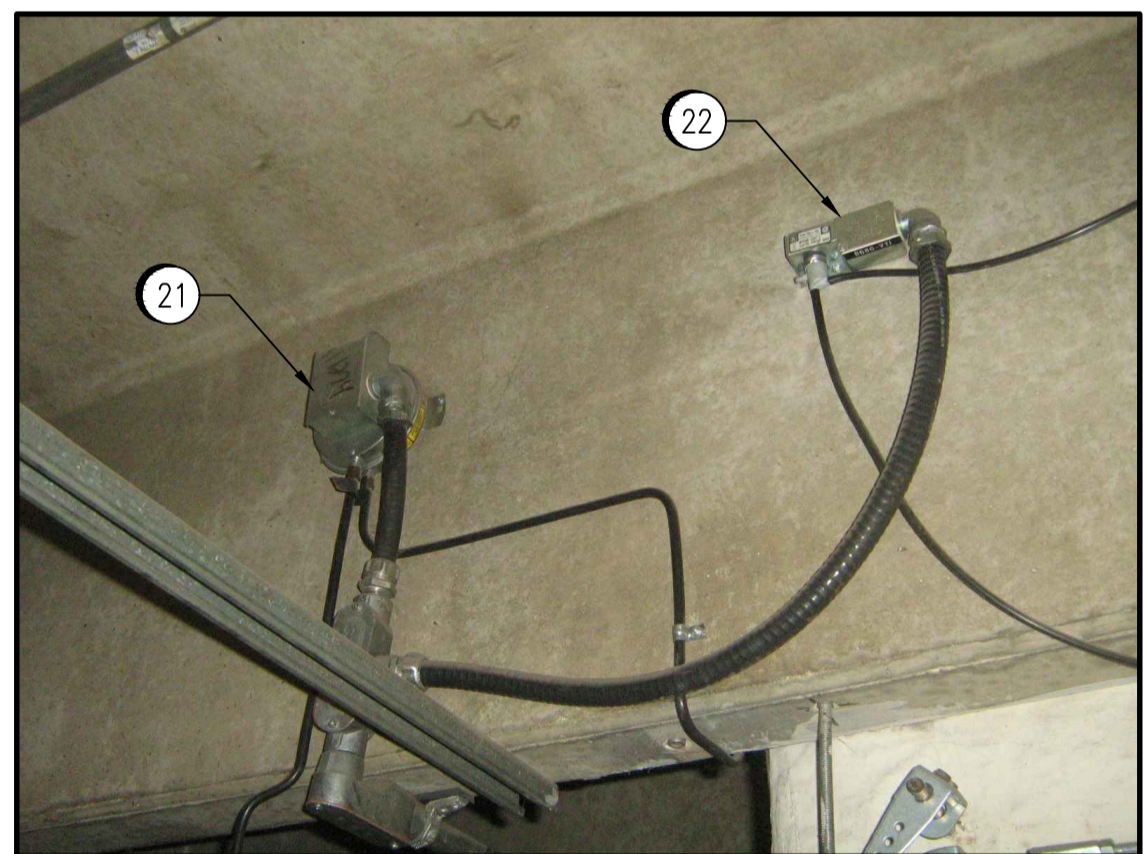
- DRAWING AND PHOTOGRAPHS SHOW EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT AND DEVICES. LOCATIONS INDICATED ARE APPROXIMATE.
- REUSE OF EXISTING CONDUIT AND WIRING FOR NEW DEVICES IS ACCEPTABLE UNLESS OTHERWISE NOTED.
- PLAN AND SCHEDULE WORK TO MINIMIZE OUTAGES. SCHEDULE ALL SHUTDOWNS WITH PLANT OPERATIONS. REFER TO SPECIFICATIONS FOR DETAILS.

CANADIAN ELECTRICAL CODE NOTES:

- AREA WITHIN 900MM OF THE GRIT ROOM EXHAUST FANS AND DUCTWORK IS CLASSIFIED AS HAZARDOUS CLASS I, ZONE 2, GROUP IIA. REFER TO DRAWING 1-0102B-E0010.
- SUPPLY AND INSTALL NEW DEVICES AND CONDUIT TO MEET REQUIREMENTS FOR THE AREA CLASSIFICATION.
- INSTALLATION TO BE COMPLIANT WITH CEC REQUIREMENTS FOR THE AREA CLASSIFICATION, EXCEPT:
(a) CONDUIT SEALS ARE NOT REQUIRED ON EXISTING CONDUITS PASSING FROM CLASS I, ZONE 2 AREAS TO UNCLASSIFIED AREAS, REF CEC 18-158(a).
- DO NOT INSTALL ANY NEW WIRING IN EXISTING CONDUITS. ALL NEW WIRING TO BE INSTALLED IN NEW CONDUITS TO MEET CEC REQUIREMENTS, INCLUDING SEALS WHEN PASSING FROM CLASSIFIED AREAS.

SPECIFIC NOTES

- INSTALL DUCT SEAL IN EXISTING CONDUIT AT THE FIRST CONDUIT BODY OR JUNCTION BOX WITHIN THE HAZARDOUS AREA (ESTIMATED NUMBER OF LOCATIONS: 4).
- ADD A RUBBER GASKET TO THE FUTURE EXHAUST FAN COVER.
- REPLACE EXISTING LUMINAIRES WITH HAZARDOUS RATED LUMINAIRES. REPLACE FLEXIBLE CONDUIT WITH RIGID CONDUIT. USE UNISTRUT SUPPORTS TO MOUNT LUMINAIRES. PENDANT MOUNTING IS NOT ACCEPTABLE.
- ENSURE ALL WORK IS COMPATIBLE WITH FUTURE ELECTRICAL CLASSIFICATION OF THIS SPACE. SEE DRAWING 1-0102B-E0010.



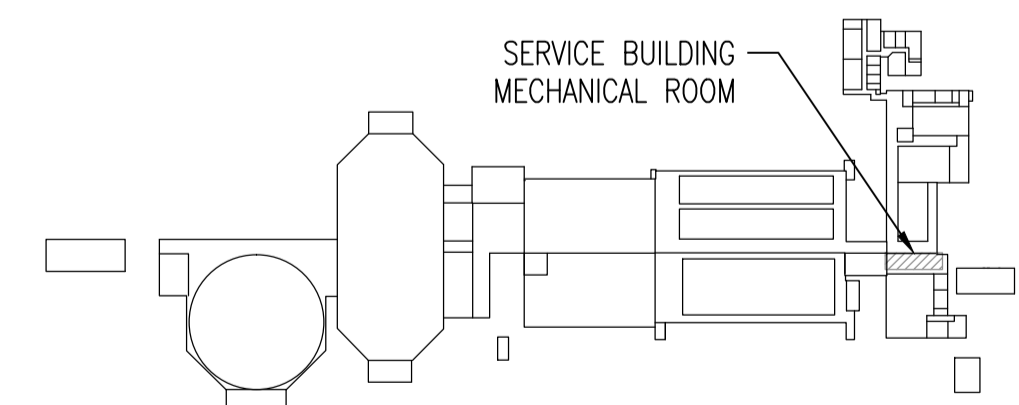
1
DETAIL
SCALE: NTS

- REPLACE EXISTING DIFFERENTIAL PRESSURE SWITCH AND IMPULSE LINES. TYPICAL FOR THREE GRIT TANK ROOM EXHAUST FANS. SEE DRAWINGS SEP-2000, SEP-2002, AND SEP-2004. REPLACE FLEXIBLE CONDUIT WITH RIGID CONDUIT.
- EXISTING E/P DEVICES ARE SUITABLE FOR CLASS I, ZONE 2 LOCATION. REPLACE FLEXIBLE CONDUIT WITH RIGID CONDUIT.



2
DETAIL
SCALE: NTS

- REPLACE EXISTING LOCK-OFF-STOP STATIONS AND BACK BOXES. TYPICAL FOR THREE GRIT TANK ROOM EXHAUST FANS.



KEY PLAN
N.T.S.

NOTES

- THIS DRAWING SUPERCEDES PART OF SEP-909.

LAST SAVE: 2012/03/02 - 8:30am
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1-0102B-E0010	ELECTRICAL CLASSIFICATION PLAN
DRAWING NUMBER	REFERENCE DRAWINGS

APECM
Certificate of Authorization
SNC-Lavalin Inc.
No. 4489

NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER, BID OPP. 7-2012	2012/02/08	TMC	CJR

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148 Nature Park Way
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DESIGNED BY: T. CHURCH
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DRAWN BY: S. FUNK
APPROVED BY: C. REIMER
SCALE: 1:30
RELEASED FOR CONSTRUCTION BY: N. HARRINGTON
DATE: 2011/05/19
DATE: 2012/02/15
CONSULTANT NO.: 112577-0113-47DD-0300

ENGINEER'S SEAL
ORIGINAL DRAWING SEALED BY:
T. M. CHURCH
SNC-LAVALIN
MEMBER #32682
2012/02/28
REV. 00

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
ELECTRICAL CLASSIFICATION UPGRADES
PLAN LAYOUT
SERVICE BUILDING
MECHANICAL ROOM

CITY DRAWING NUMBER: 1-0102B-E0011
SHEET: 001
REV: 00
SIZE: A1