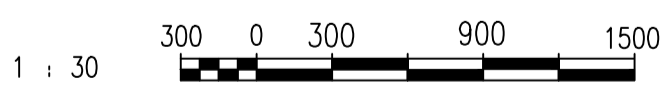
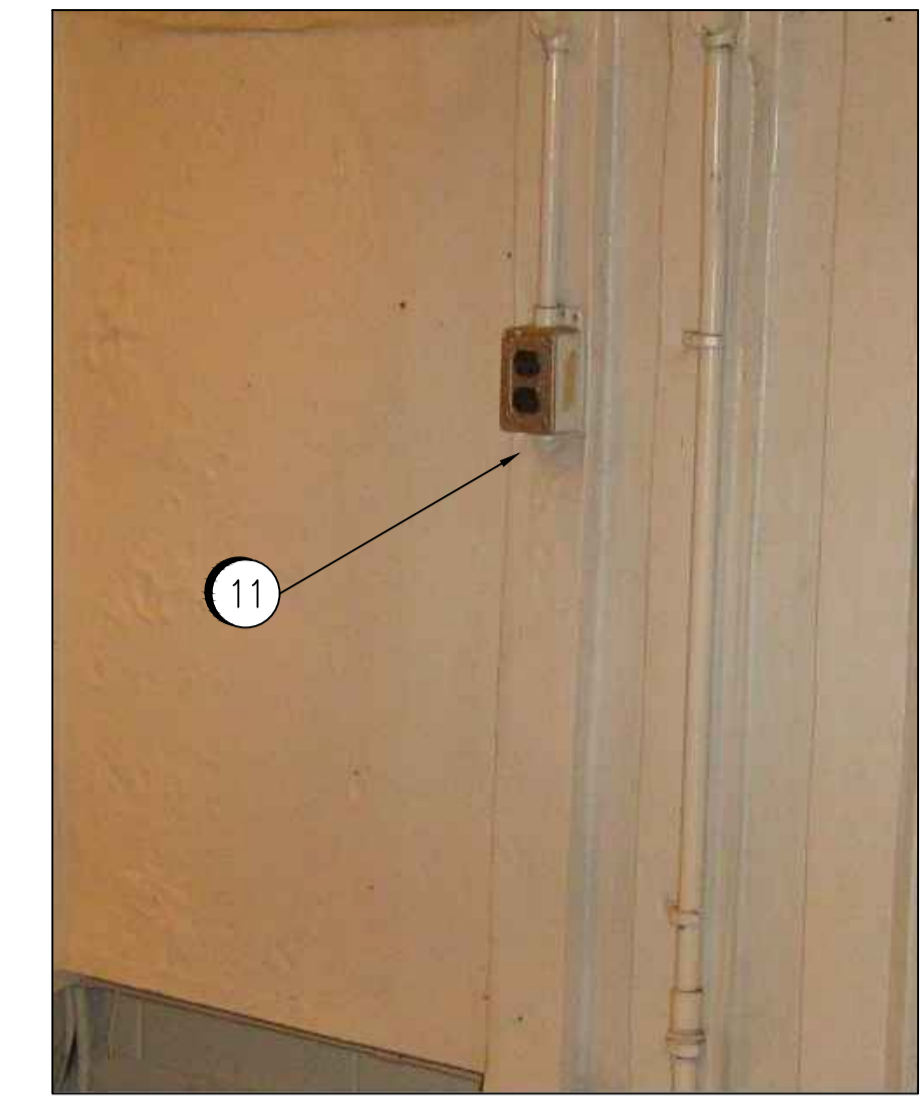


SCREEN AND GRIT PARTIAL AREA - EL. 235.9



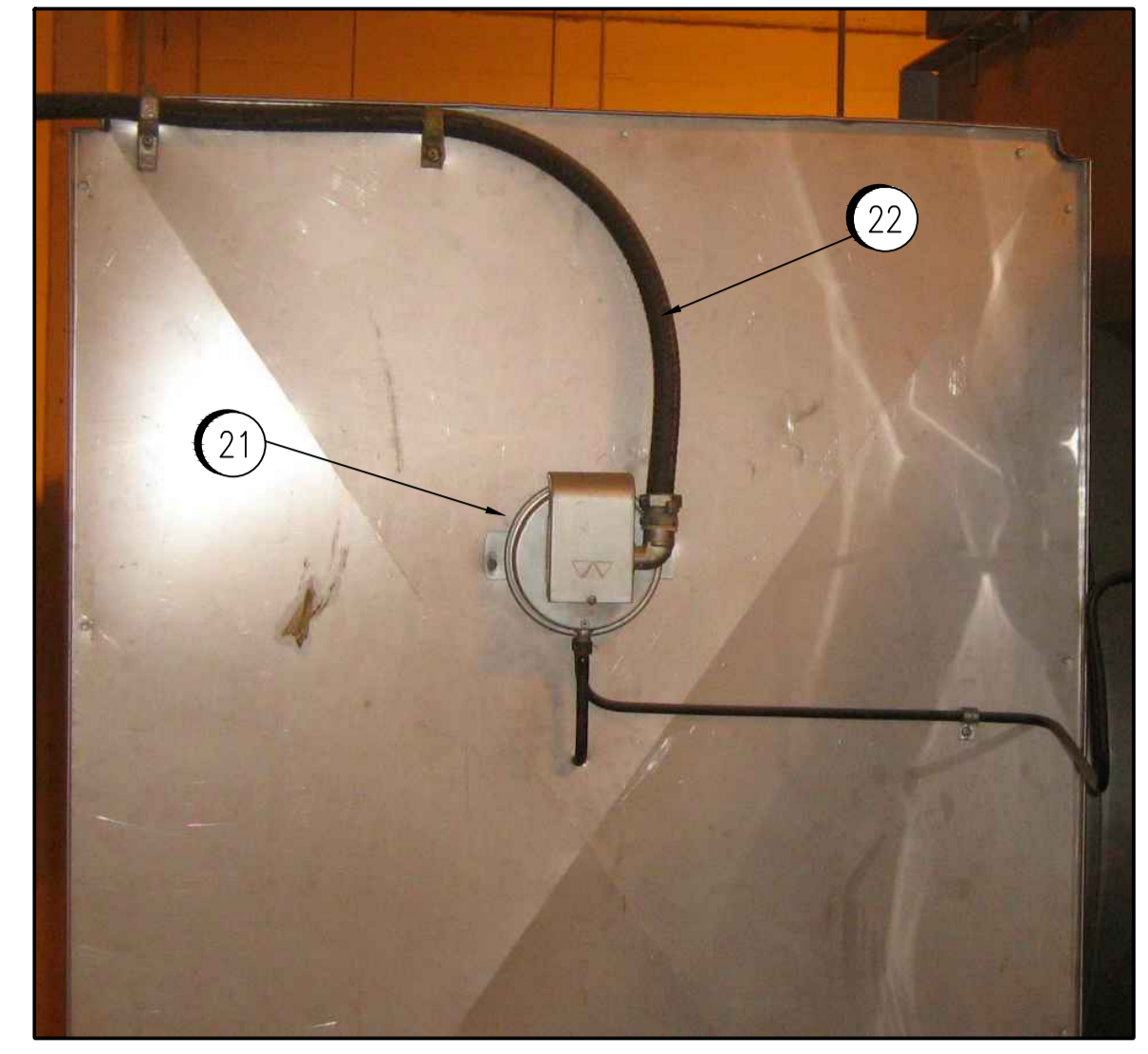
**GENERAL NOTES:**

1. THIS DRAWING SUPERCEDES PART OF SEP-826 AND SEP-837.



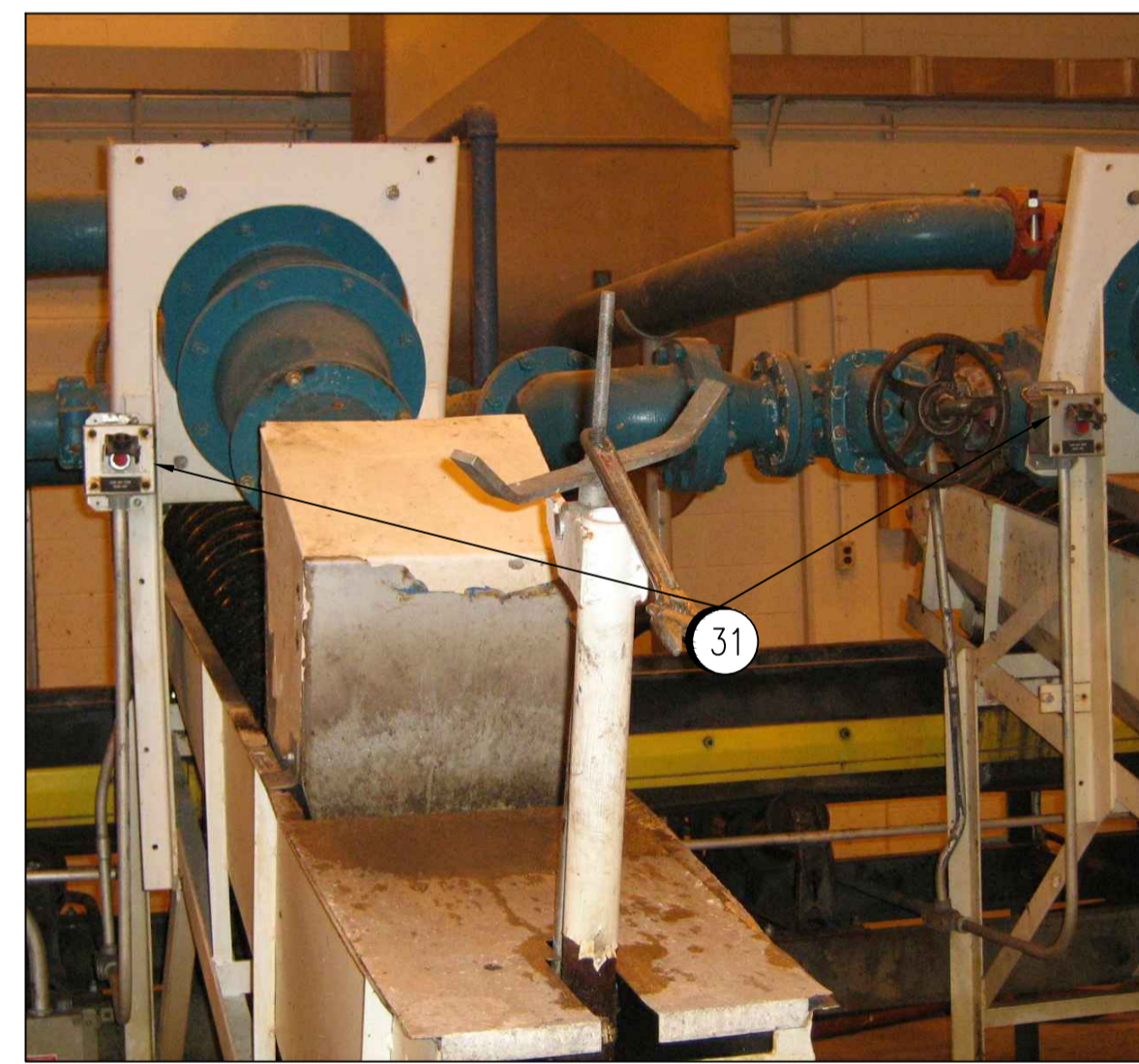
1 DETAIL  
SCALE NTS

- 11 REPLACE EXISTING 15A, 120V RECEPTACLE AND BOX. TYPICAL FOR FIVE 15A, 120V RECEPTACLES, IN THE SCREEN ROOM.



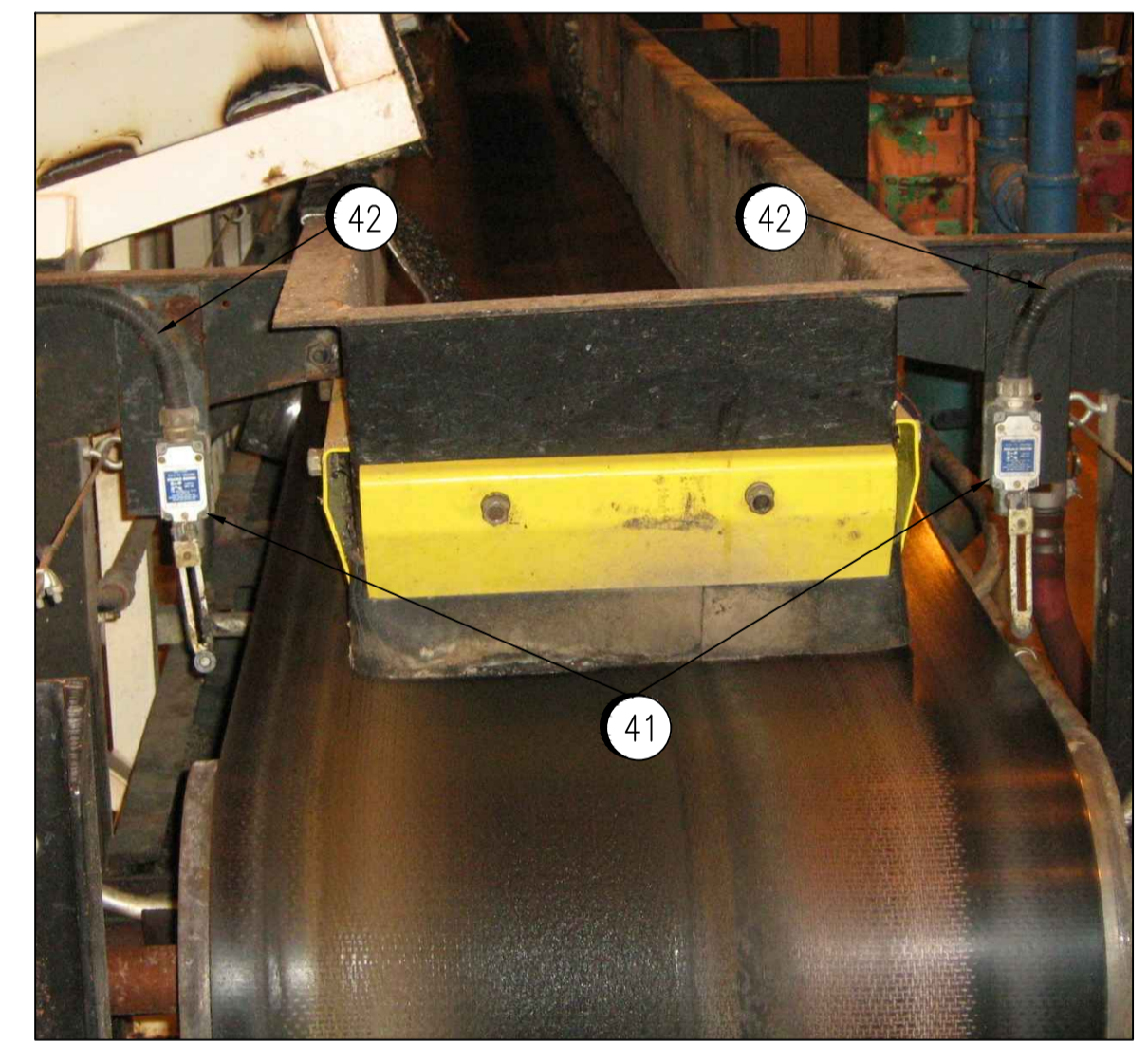
2 DETAIL  
SCALE NTS

- 21 REPLACE EXISTING DIFFERENTIAL PRESSURE SWITCH (G688-PS) AND IMPULSE LINES. RELOCATE PRESSURE SWITCH TO WALL NEXT TO FAN. SEE DRAWING SEP-2126 FOR WIRING DETAILS. SEAL ALL HOLES IN DUCTWORK.
- 22 REPLACE ALL FLEXIBLE CONDUIT WITH RIGID CONDUIT.



3 DETAIL  
SCALE NTS

- 31 REPLACE EXISTING LOCK-OFF-STOP STATIONS AND BACKBOXES (G258-HS-1, G259-HS-1). SEE DRAWINGS SEP-2068 AND SEP-2069 FOR WIRING DETAILS. INSTALL WARNING LAMACOID NEXT TO E-STOP.



4 DETAIL  
SCALE NTS

- 41 REPLACE EXISTING LIMIT SWITCHES (G260-ZS-1, G260-ZS-2). SEE DRAWING SEP-2070 AND 1-0102G-E0035 FOR WIRING DETAILS. PROVIDE JUNCTION BOX JBA-G260 FOR LIMIT SWITCHES AND SPEED SWITCH.
- 42 REPLACE ALL FLEXIBLE CONDUIT WITH RIGID CONDUIT.

**SPECIFIC NOTES**

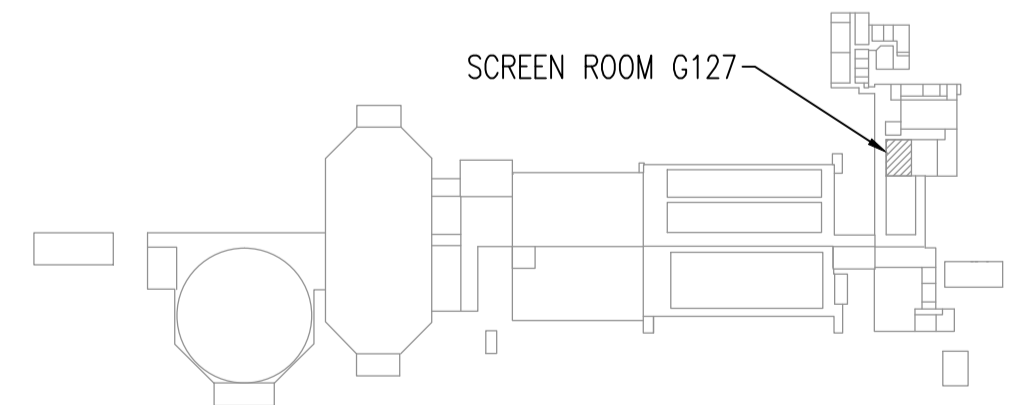
- 1 PROVIDE HAZARDOUS RATED CONDUIT SEALS FOR CONDUITS EXITING HAZARDOUS AREA FOR LEVEL TRANSMITTERS.
- 2 INSTALL ISB-G2 AND NEW CONDUIT AND WIRING TO GRIT CONTROL ROOM AND G202-LSH.
- 3 INSTALL DUCT SEAL IN EXISTING CONDUIT AT THE FIRST CONDUIT BODY OR JUNCTION BOX WITHIN THE HAZARDOUS AREA (ESTIMATED NUMBER OF LOCATIONS: 24).
- 4 GAS DETECTION EQUIPMENT HAS BEEN REPLACED UNDER A DIFFERENT PROJECT.
- 5 SUPPLY AND INSTALL SPEED SWITCH FOR CONVEYOR, ALONG WITH REQUIRED SWITCH SUPPORT BRACKET.

**GENERAL NOTES:**

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

**CANADIAN ELECTRICAL CODE NOTES:**

1. AREA CLASSIFIED AS HAZARDOUS CLASS I, ZONE 2, GROUP IIA. REFER TO DRAWING 1-0102G-E0014.
2. SUPPLY AND INSTALL NEW DEVICES AND CONDUIT TO MEET REQUIREMENTS FOR THE AREA CLASSIFICATION.
3. 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).
4. 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.



KEY PLAN  
N.T.S.

1-0102A-E0010	TYPICAL INSTALLATION DETAILS
1-0102A-E0009	DEVICE AND LUMINARIE SCHEDULE
1-0102G-E0014	ELECTRICAL CLASSIFICATION PLAN
DRAWING NUMBER	REFERENCE DRAWINGS



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

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

DESIGNED BY: T. CHURCH  
DRAWN BY: S. FUNK  
SCALE: 1:30  
DATE: 2011/07/06

CHECKED BY: C. REIMER  
APPROVED BY: C. REIMER  
RELEASED FOR CONSTRUCTION BY: N. HARRINGTON  
DATE: 2012/02/15

CONSULTANT NO.: 112577-0113-47DD-0203

ENGINEER'S SEAL

ORIGINAL DRAWING SEALED BY:  
T. M. CHURCH  
SNC-LAVALIN  
MEMBER #32682  
2012/03/02  
REV. 00

**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE  
ELECTRICAL CLASSIFICATION UPGRADES  
PLAN LAYOUT  
PUMP & SCREEN BUILDING - SCREEN ROOM G127  
WEST LOWER AREA

CITY DRAWING NUMBER: 1-0102G-E0020  
SHEET: 001  
REV: 00  
SIZE: A1