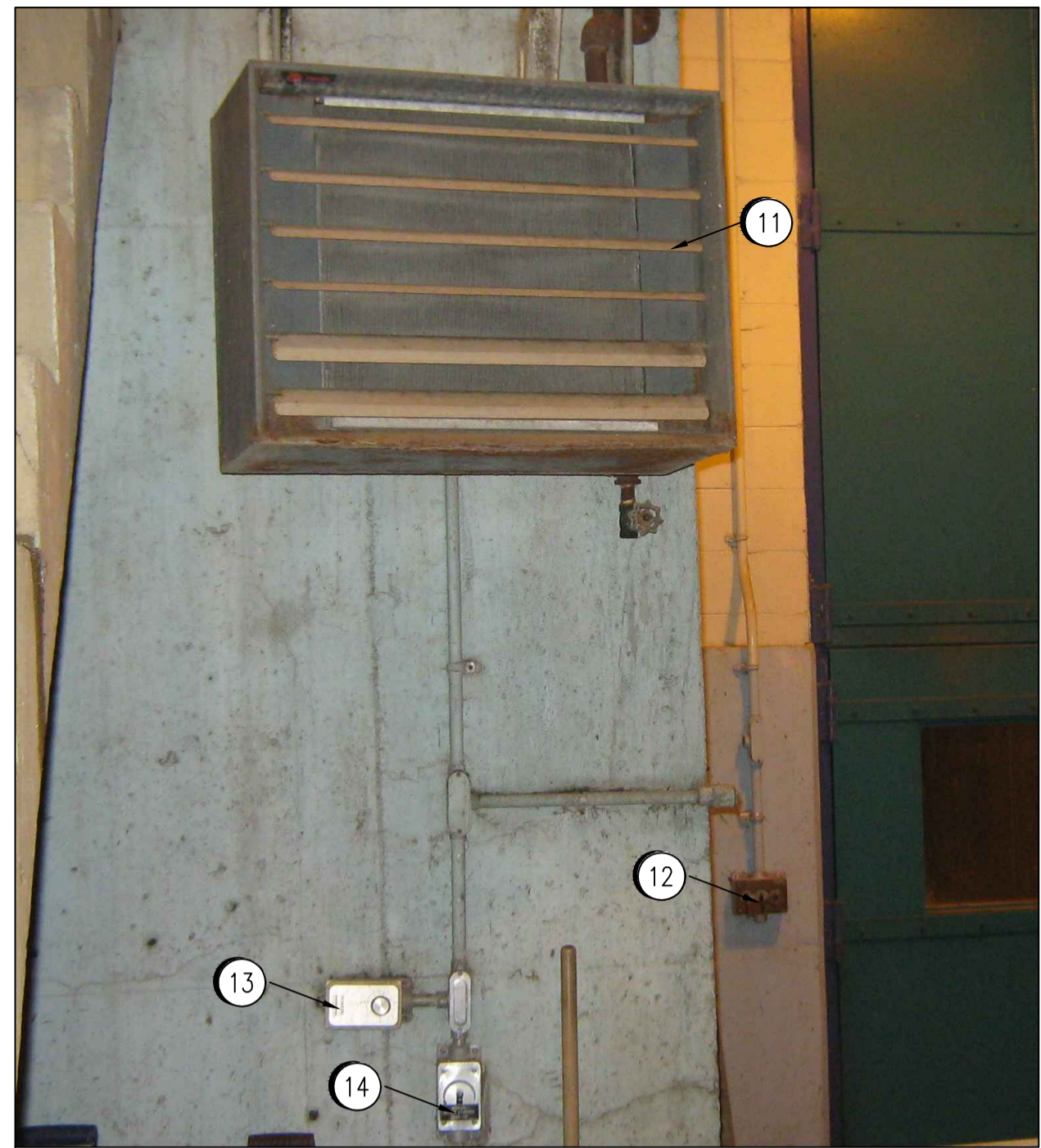


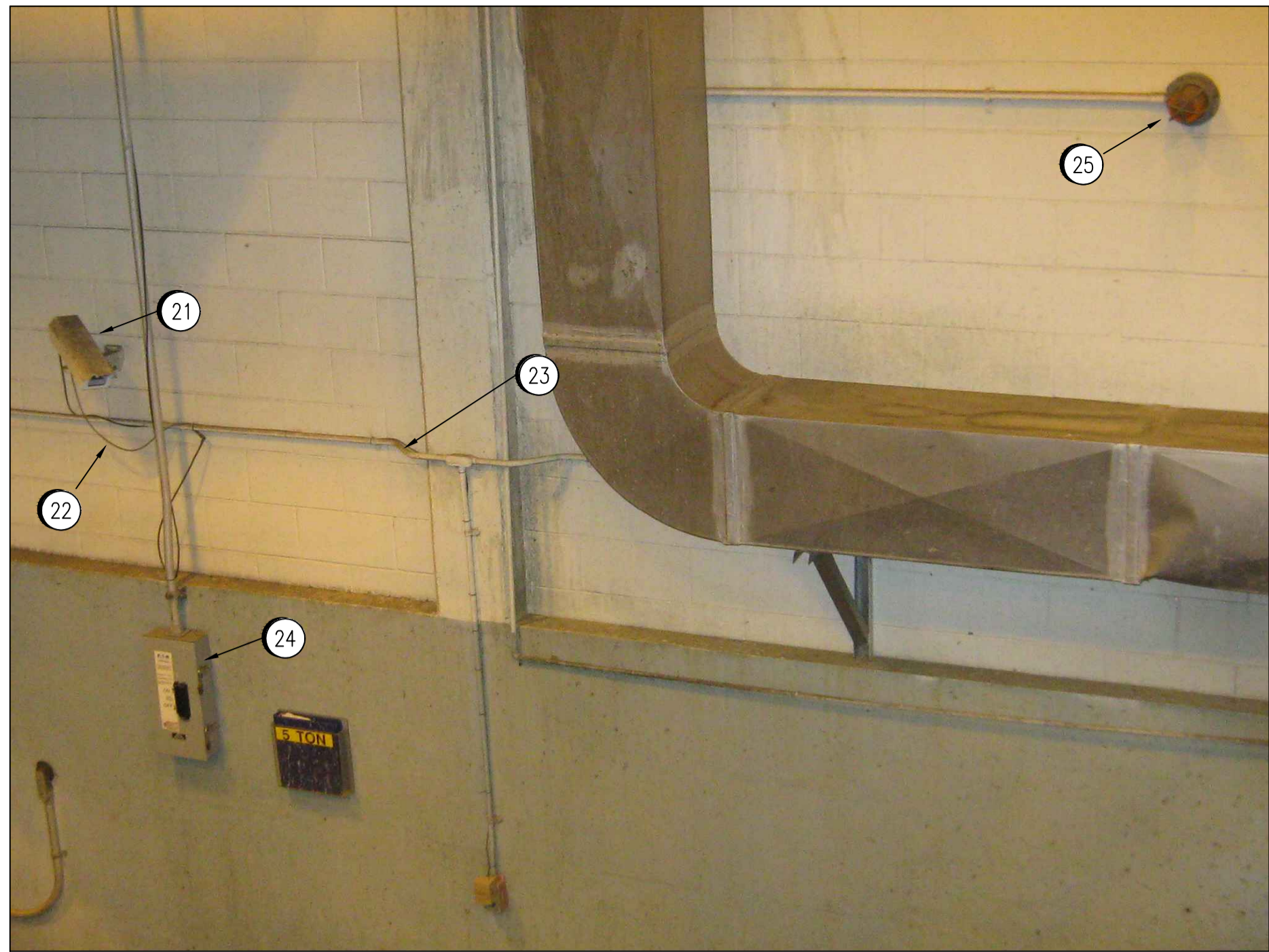
TRUCK LOADING - G122

1:40 400 0 400 1200 2000mm



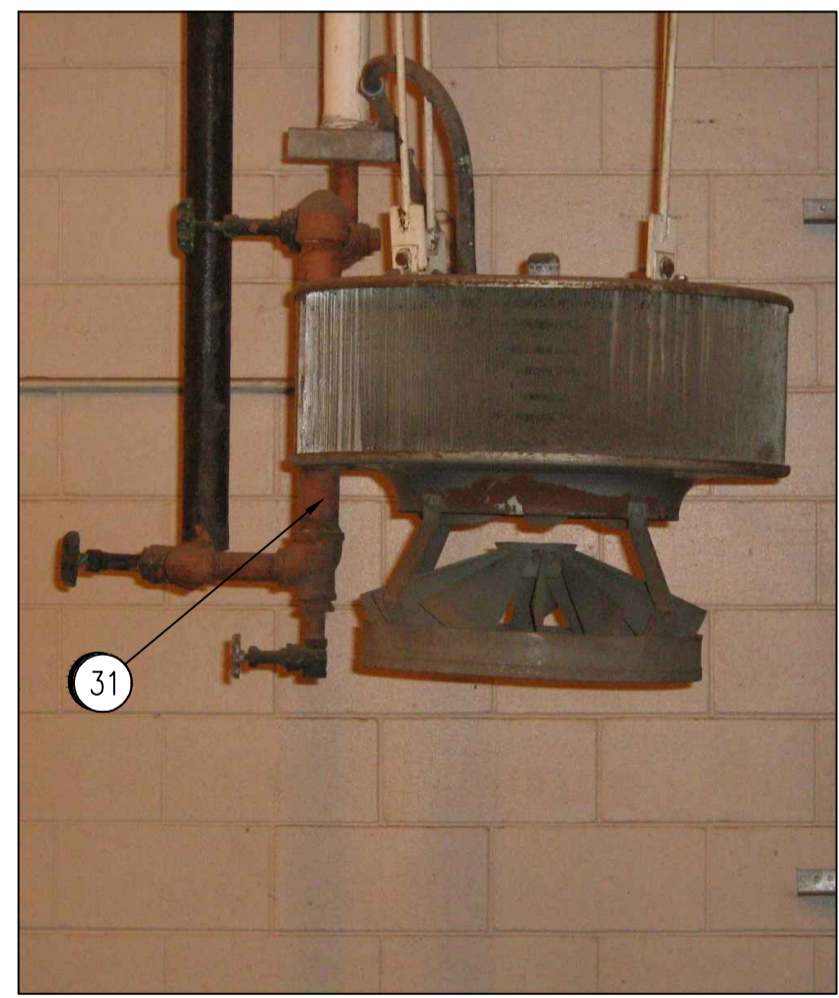
1 DETAIL SCALE NTS

- 11 REPLACE UNIT HEATER AND FAN.
- 12 REPLACE EXISTING 15A, 347V LIGHT SWITCHES AND BACK BOX. INSTALL EYS SEAL IN EXISTING CONDUIT AND WIRING RUN.
- 13 REPLACE EXISTING LINE THERMOSTAT. INSTALL EYS SEAL IN EXISTING CONDUIT AND WIRING RUN.
- 14 REPLACE EXISTING MANUAL STARTER.



2 DETAIL SCALE NTS

- 21 REPLACE EXISTING CCTV CAMERA.
- 22 INSTALL CCTV COAX CABLE IN CONDUIT UP TO DRY WELL MECHANICAL ROOM. INSTALL JUNCTION BOX IN MECHANICAL ROOM AND ADD BNC CONNECTORS TO COAX CABLE IN JUNCTION BOX. FIRE STOP OPENING IN WALL. INSTALL EYS SEAL AT CAMERA AND WHERE CONDUIT LEAVES THE HAZARDOUS AREA.
- 23 REMOVE EXISTING POWER SUPPLY AND WIRING FOR CCTV CAMERA. INSTALL 24 VAC TRANSFORMER IN NEMA 4X ENCLOSURE (JBP-CAM-G1) FOR CCTV CAMERA POWER. SEE DRAWING 1-0102G-A0091 FOR DETAILS. INSTALL EYS SEAL IN CONDUIT CONTAINING POWER WIRING FOR EXPLOSION PROOF CAMERA.
- 24 REPLACE EXISTING CIRCUIT BREAKER AND ENCLOSURE WITH COMBINATION CONTACTOR. LOCATE NEW COMBINATION CONTACTOR IN ROOM G114, AS INDICATED. INSTALL NEW CONDUIT AND WIRING TO NEW COMBINATION CONTACTOR LOCATION. REFER TO DRAWING 1-0102G-E0031. REMOVE OLD CONDUIT AND FIRE STOP HOLES.
- 25 EXISTING STROBE HAS BEEN REPLACED UNDER A DIFFERENT PROJECT.



3 DETAIL SCALE NTS

- 31 REPLACE UNIT HEATER AND FAN.

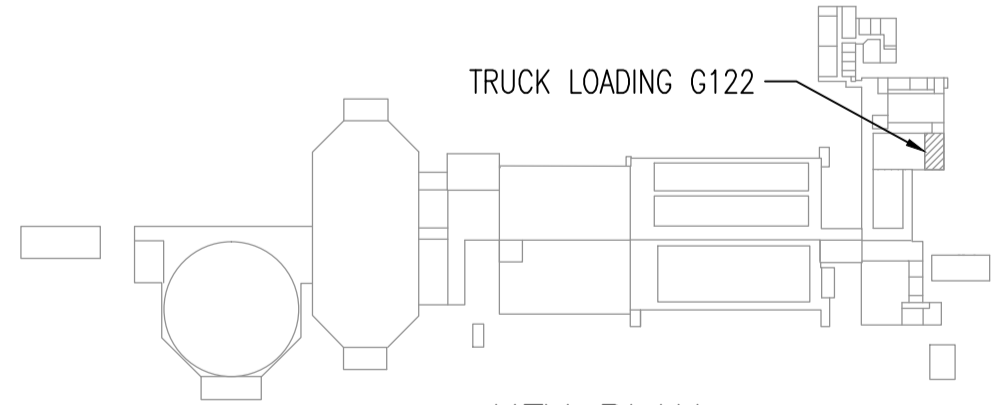
SPECIFIC NOTES	
1	INSTALL DUCT SEAL IN EXISTING CONDUIT AT THE FIRST CONDUIT BODY OR JUNCTION BOX WITHIN THE HAZARDOUS AREA (ESTIMATED NUMBER OF LOCATIONS: 3).
2	GAS DETECTION EQUIPMENT HAS BEEN REPLACED UNDER A DIFFERENT PROJECT.

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.

NOTES:

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

1-0102A-E0010	TYPICAL INSTALLATION DETAILS
1-0102A-E0009	DEVICE AND LUMINARIE SCHEDULE
1-0102G-E0014	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

**SNC-LAVALIN INC.**  
148 Nature Park Way  
Winnipeg, MB, Canada R3P 0X7  
204-798-8080

DESIGNED BY: T. CHURCH  
CHECKED BY: C. REIMER  
DRAWN BY: S. FUNK  
APPROVED BY: C. REIMER  
SCALE: 1:40  
RELEASED FOR CONSTRUCTION BY: N. HARRINGTON  
DATE: 2011/07/06  
DATE: 2012/02/15  
CONSULTANT NO.: 112577-0113-47DD-0205

ENGINEER'S SEAL  
ORIGINAL DRAWING SEALED BY:  
T. M. CHURCH  
SNC-LAVALIN  
MEMBER #32682  
2012/02/15  
REV. 00

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

SOUTH END WATER POLLUTION CONTROL CENTRE  
ELECTRICAL CLASSIFICATION UPGRADES  
PLAN LAYOUT  
PUMP & SCREEN BUILDING - TRUCK LOADING BAY G122

CITY DRAWING NUMBER: 1-0102G-E0022  
SHEET: 001  
REV: 00  
SIZE: A1