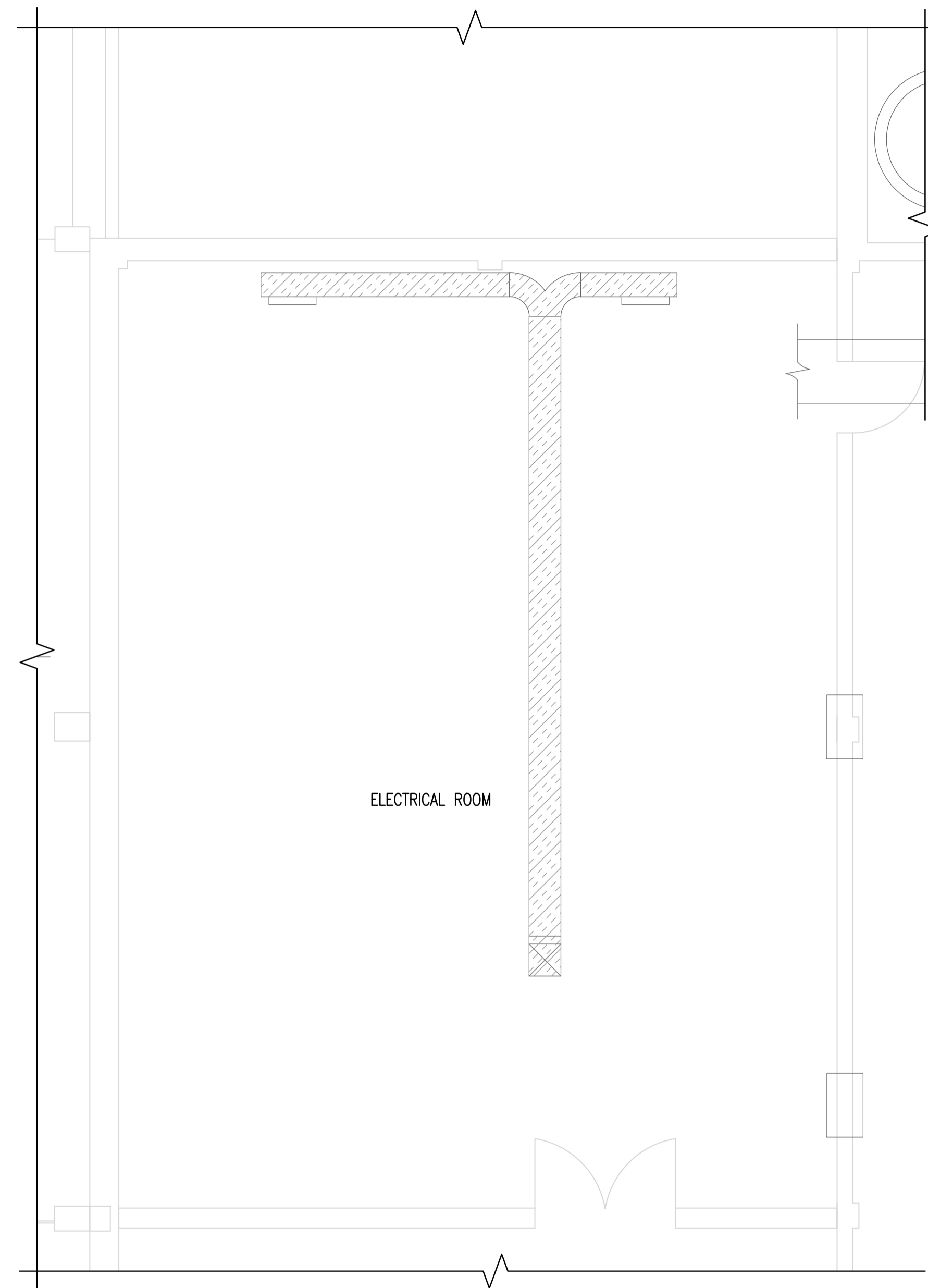
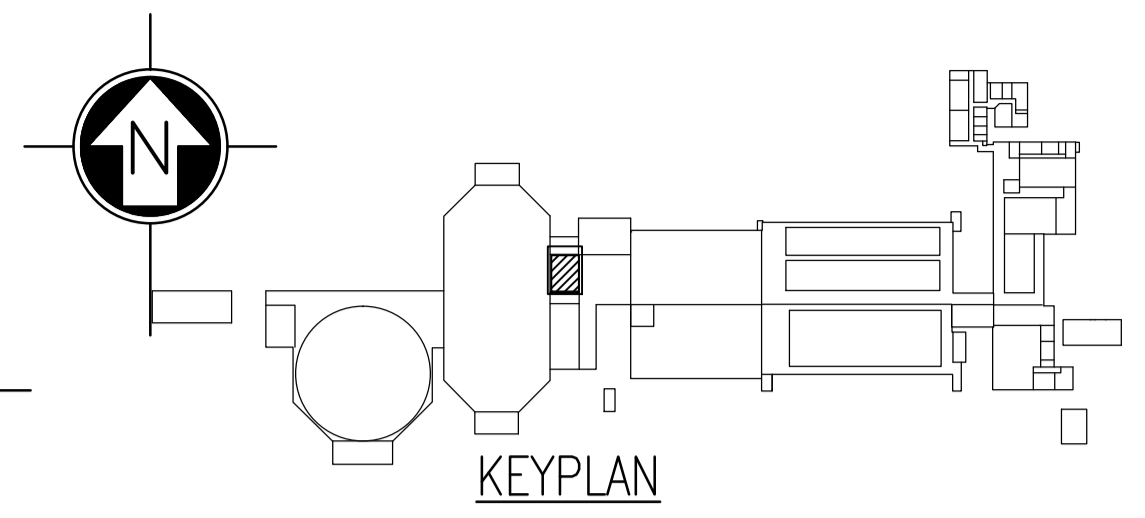


**SECONDARY CLARIFIER VENTILATION ROOM AT ELEV 237.59**  
SCALE: 1 : 50



**SECONDARY CLARIFIER ELECTRICAL ROOM AT ELEV 233.48**  
SCALE: 1 : 50



**FIRE DAMPER SCHEDULE**

TAG	DUCT SIZE (MM)	ORIENTATION	STATUS
S114-FD-01	460 x 810	VERTICAL	NEW
S114-FD-02	460 X 810	VERTICAL	NEW
S114-FD-03	406 X 406	VERTICAL	NEW
R682-FD-01	810 X 610	VERTICAL	NEW
S683-FD-01	406 X 457	HORIZONTAL	NEW
S684-FD-01	500 x 406	VERTICAL	NEW
S685-FD-01	1370 x 865*	VERTICAL	NEW
S685-FD-02	1830 x 300*	VERTICAL	NEW
S686-FD-01	1422 x 406*	HORIZONTAL	NEW
S689-FD-01	1880 x 406*	VERTICAL	NEW

\* MAXIMUM FIRE DAMPER SIZE IS 914x914. MULTIPLE DAMPERS ARE REQUIRED.

**NOTES:**

- ① REMOVE DUCTING BACK TO WALL AND CAP OFF DUCT.
- ② INSULATE DUCTWORK.

**LEGEND**

DUCTWORK TO BE INSULATED

**GENERAL NOTES:**

1. CONTRACTOR SHALL SUPPLY AND INSTALL FIRE DAMPERS IN LOCATIONS SHOWN ON DRAWINGS WHERE DUCTING PENETRATES A FIRE SEPARATION. CONTRACTOR IS TO VERIFY DIMENSIONS PRIOR TO ORDERING FIRE DAMPERS.
2. FIRE DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS, NATIONAL FIRE CODE AND THE NATIONAL FIRE CODE.
3. REFER TO DRAWING 1-0102G-M0007 FOR FIRE DAMPER INSTALLATION DETAILS.
4. ACCESS DOORS SHALL BE PROVIDED FOR ALL FIRE DAMPERS IN ACCORDANCE WITH SMACNA AND THE NATIONAL FIRE CODE.
5. INSPECT EXISTING FIRE DAMPERS AND NOTIFY THE CONTRACT ADMINISTRATOR OF ANY DAMAGED OR DEFICIENT ITEMS.
6. ASBESTOS CONTAINING MATERIALS ARE SUSPECT ON PIPE ELBOW AND DUCTWORK INSULATION AND ARE TO BE REMOVED. REFER TO ASBESTOS ABATEMENT SPECIFICATIONS FOR ABATEMENT PROCEDURE.



NO.	REVISIONS	DATE	DESIGN	CHECK
01	ASBESTOS ABATEMENT REMOVED, BID OPP. 42-2013	2013/03/25	TRS	SN
00	ISSUED FOR TENDER, BID OPP. 545-2012	2012/09/26	TRS	SN

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

DESIGNED BY: S. NORSWORTHY  
DRAWN BY: K. MOHAMMED  
SCALE: 1 : 50  
DATE: 2012/01/20  
CONSULTANT NO.: 112577-0116-45DD-0401

CHECKED BY: S. NORSWORTHY  
APPROVED BY: C. REIMER  
RELEASED FOR CONSTRUCTION BY: NEIL HARRINGTON  
DATE: 2012/10/10

ENGINEER'S SEAL  
ORIGINAL DRAWING SEALED BY:  
S. S. NORSWORTHY  
SNC-LAVALIN  
MEMBER #20725  
2012/10/11  
REV. 00

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

SOUTH END WATER POLLUTION CONTROL CENTRE  
VENTILATION & MISC. UPGRADES  
PLAN VIEW  
FIRE DAMPER UPGRADES  
VENTILATION & ELECTRICAL ROOMS

CITY DRAWING NUMBER: 1-0102S-M0001  
SHEET: 001  
REV.: 01  
SIZE: A1