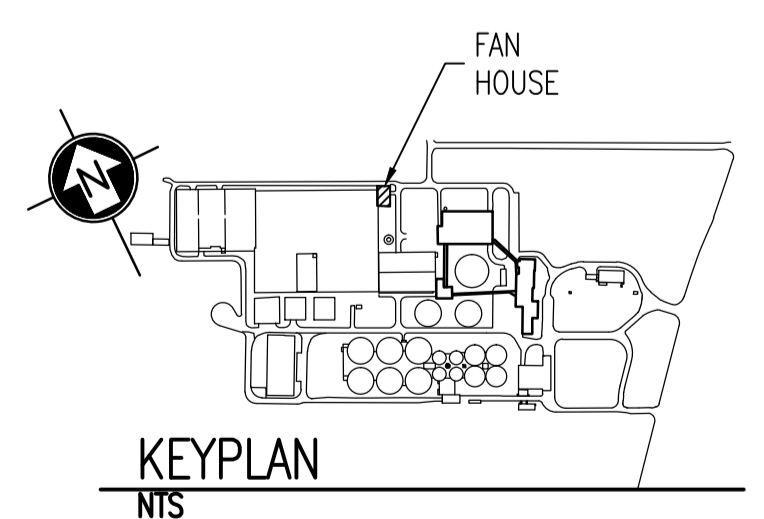


1 DETAIL - BUS BAR
SCALE: 1 : 5

- CONSTRUCTION NOTES**
- 1 PROVIDE EIGHT ROD GROUND ELECTRODE AS SHOWN. LOCATE ALL EXISTING UNDERGROUND SERVICES IN AREA PRIOR TO INSTALLATION OF ELECTRODE. SEE DRAWING 1-0101A-E0010 FOR DETAILS. PROVIDE A GROUND WELL AT EACH ROD LOCATION.
 - 2 PROVIDE 4/0 AWG CONDUCTOR FROM GROUND ELECTRODE TO GROUND BUS BAR. CORE DRILL HOLE THROUGH WALL ABOVE GRADE.
 - 3 PROVIDE 4/0 AWG CONDUCTOR FROM GROUND ELECTRODE TO GROUND BUS BAR. CORE DRILL HOLE THROUGH WALL ABOVE GRADE.
 - 4 PROVIDE 4/0 AWG INSULATED GROUND CONDUCTOR FROM GROUND BUS BAR TO GROUND CONDUCTOR IN RAS GALLERY.
 - 5 PROVIDE 4/0 AWG GROUND CONDUCTOR FROM GROUND BUS BAR TO EXISTING GROUND CONDUCTOR AS SHOWN. INSTALL IN 27mm PVC CONDUIT.
 - 6 PROVIDE GROUND BUS BAR AT HEIGHT OF 400mm ABOVE FINISHED FLOOR. INSTALL CONDUCTORS IN 27mm PVC CONDUIT.
 - 7 PROVIDE 4/0 AWG GROUND CONDUCTOR FROM GROUND BUS BAR TO TRANSFORMER T2.
 - 8 RESTORE THE SIDEWALK AND ALL GRASSED AND PAVEMENT SURFACES AS PER THE SPECIFICATIONS.

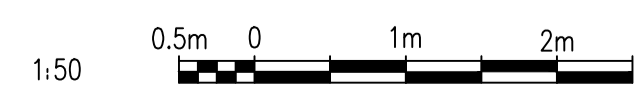
LEGEND:

- - - - - EXISTING BURIED SERVICE
- — — — — EXISTING CONDUCTOR
- — — — — NEW CONDUCTOR
- GROUND ROD
- CONNECTION
- ⊕ ELEVATION CHANGE



FAN HOUSE
SCALE: 1 : 50

- NOTES:**
1. THE ELEVATION OF THE GROUNDING CONDUCTORS AND ELECTRODES VARIES AND IS SHOWN ON A SINGLE LEVEL TO EASE THE UNDERSTANDING OF HOW THE GROUNDING SYSTEM IS INTERCONNECTED.
 2. THE LOCATION AND ROUTING OF EXISTING GROUNDING CONDUCTORS IS APPROXIMATE.



1-0101A-E0010	GROUNDING INSTALLATION DETAILS
1-0101A-E0011	SITE PLAN - GROUNDING CONDUCTOR ROUTING
DRAWING NUMBER	REFERENCE DRAWINGS

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

NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER, BID OPP: 845-2012	2012/10/30	TMC	CJR

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

DESIGNED BY: I. CHURCH
DRAWN BY: S. COATES
SCALE: 1:50
DATE: 2009/11/30

CHECKED BY: C. REIMER
APPROVED BY: C. REIMER
RELEASED FOR CONSTRUCTION BY: B. STATION
DATE: 2012/10/31

CONSULTANT NO.: 113312-0000-47DD-0013

ENGINEER'S SEAL

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

NORTH END WATER POLLUTION CONTROL CENTRE
GROUNDING UPGRADES
PLAN LAYOUT
GROUNDING
FAN HOUSE

CITY DRAWING NUMBER: 1-0101S-E0005
SHEET: 001
REV: 00
SIZE: A1