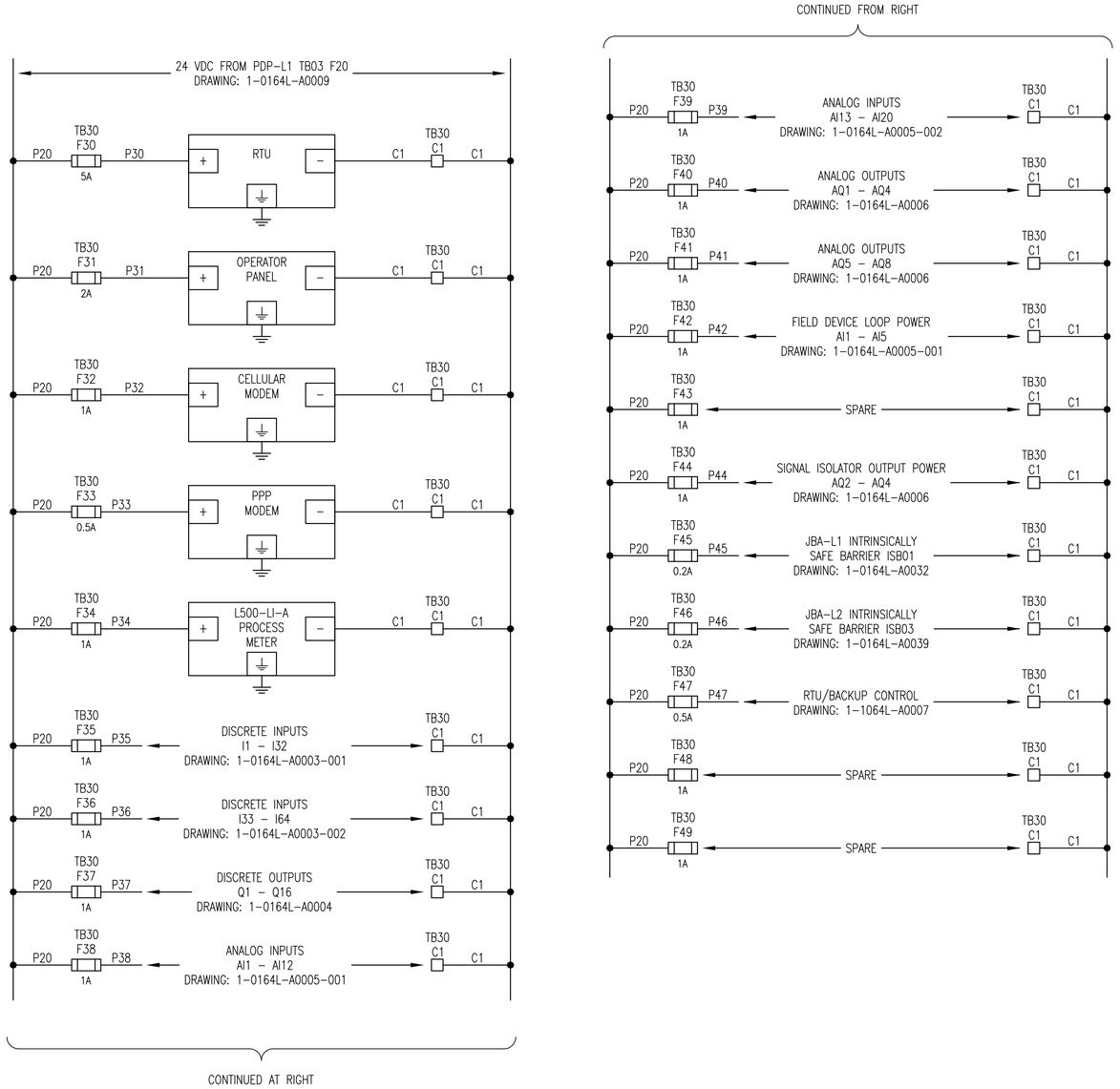
A1 SIZE - 594mm x 841mm

FUSE SCHEDULE			
TB	IDENTIFIER	SIZE	RATED CURRENT (A)
TB30	F30	5x20mm	5A
	F31	5x20mm	2A
	F32	5x20mm	1A
	F33	5x20mm	0.5A
	F34	5x20mm	1A
	F35	5x20mm	1A
	F36	5x20mm	1A
	F37	5x20mm	1A
	F38	5x20mm	1A
	F39	5x20mm	1A
	F40	5x20mm	1A
	F41	5x20mm	1A
	F42	5x20mm	1A
	F43	5x20mm	1A
	F44	5x20mm	1A
	F45	5x20mm	0.2A
	F46	5x20mm	0.2A
	F47	5x20mm	0.5A
	F48	5x20mm	1A
	F49	5x20mm	1A

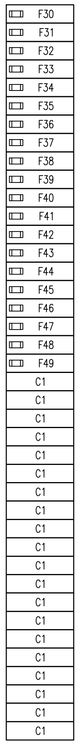
POWER CONSUMPTION SCHEDULE AT 24VDC			
DEVICE	QTY	AMPS	SUBTOTAL
SCADAPACK ES RTU	1	0.833	0.833
5506 ANALOG INPUT MODULE	1	0.011	0.011
SCADAPACK ES ANALOG OUTPUTS	4	0.020	0.080
5304 ANALOG OUTPUTS MODULE	1	0.095	0.095
OPERATOR PANEL	1	1.250	1.250
CELL MODEM / ETHERNET SWITCH	1	0.578	0.578
PPP MODEM / ETHERNET SWITCH	1	0.208	0.208
PROCESS METER	1	0.625	0.625
DISCRETE INPUTS I1-I31	32	0.003	0.096
DISCRETE INPUTS I32-I64	32	0.006	0.192
DISCRETE OUTPUTS	16	0.03	0.48
ANALOG INPUTS - LOOP POWERED	5	0.020	0.100
ANALOG INPUTS - FIELD POWERED	14	0	0
INTRINSICALLY SAFE BARRIER ISB01	1	0.025	0.025
INTRINSICALLY SAFE BARRIER ISB02	1	0.051	0.051
INTRINSICALLY SAFE BARRIER ISB03	1	0.025	0.025
SIGNAL ISOLATORS OUTPUT POWER	20	0.020	0.400
RTU/BACKUP CONTROL	1	0.143	0.143
TOTAL AMPS			5.192

NOTE: ALLOCATION FOR ALL I/O IS INCLUDED, REGARDLESS OF WHETHER IT IS CURRENTLY UTILIZED.

SCHEMATIC:



TERMINAL LAYOUT:



NOTES:

1. SEE DRAWING 1-0164L-A0012 FOR LIGHT FIXTURE WIRING.
2. ALL 24 VDC POWER WIRING TO BE A MINIMUM OF 12 AWG UNLESS OTHERWISE INDICATED.

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

NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER, BID OPP. 907-2011	2012/02/09	BC	CJR

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

DESIGNED BY: B. CLEVEN	CHECKED BY: C. REIMER
DRAWN BY: S. FUNK	APPROVED BY: C. REIMER
SCALE: NTS	RELEASED FOR CONSTRUCTION BY: K. R. ZUREK
DATE: 2011/08/31	DATE: 2012/02/23
CONSULTANT NO.: 508042-0000-48DD-0002	

ENGINEER'S SEAL

ORIGINAL DRAWING SEALED BY:
C. J. REIMER
SNC-LAVALIN
MEMBER #21968
2012/02/23
REV. 00

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

MONTCALM WASTEWATER PUMPING STATION
2011 UPGRADES
POWER DISTRIBUTION
CONTROL PANEL CP-L1

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0164L-A0002	001	00	A1

1-0164L-A0002-001-00.dwg

LAST SAVE: 2012/02/23 - 3:10pm
PATH: M:\508042\4ENG\48IAC\DD - General DWG\1-0164L-A0002-001-00.dwg