

 SNC-LAVALIN	CABLE SCHEDULE		Document Code	112577-0106-47EL-0001
			Revision	0
Client City of Winnipeg				
Project SEWPCC Essential System Upgrades				
Package / Area				
Prepared By	Name	Signature	Date	
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Checked By	Name	Signature	Date	
	C. Reimer		2011-03-31	
Approved By	Name	Signature	Date	
	C. Reimer		2011-03-31	
Notes / Comments			Seal	
			Original Document Sealed By: Tim Church SNC-Lavalin 2011-03-31 Rev. 0	

Revisions					
Rev	Description	Date	By	Checked	Approved
0	Issued for Tender (Bid Opp. 209-2011)	2011-03-31	T. Church	C. Reimer	C. Reimer

Reference Documents

Cable ID	Cable Type	From	To	Spacing See Note 1	Length (m)	Routing	Notes	Rev
UPS Cables:								
C-PNL-6P	4C, 2 AWG, RW90, 600V	CB-PNL-6P	PNL-6P	N/A	80	35mm Conduit	6 AWG GND	0
C-MTS-M1	3C, 6 AWG, RW90, 1000V	CDP-E1	MTS-M1	N/A	126	27mm Conduit	8 AWG GND	0
C-PNL-2X	4C, 4 AWG, RW90, 600V	MTS-M1	PNL-2X	N/A	12.5	35mm Conduit	8 AWG GND	0
C-PNL-2X-TEMP	4C, 6AWG, Teck 90, 600V	XFMR-2X	PNL-2X	100%	37			0
C-MTS-G1	3C, 8 AWG, RW90, 1000V	CDP-E1	MTS-G1	N/A	54	21mm Conduit	10 AWG GND	0
C-SPL-G1	4C, 2 AWG, RW90, 600V	MTS-G1	SPL-G1	N/A	3	35mm Conduit	6 AWG GND	0
C-PNL-G10	4C, 2 AWG, RW90, 600V	CB-PNL-G10	PNL-G10	N/A	4	35mm Conduit	6 AWG GND	0
C-XFMR-G9	4C, 8 AWG, RW90, 600V	PNL-3G	XFMR-G9	N/A	11	21mm Conduit	10 AWG GND	0
C-MTS-S1	3C, 8 AWG, RW90, 1000V	CDP-E2	MTS-S1	N/A	24.5	21mm Conduit	10 AWG GND	0
C-PNL-6S	4C, 4 AWG, RW90, 600V	MTS-S1	PNL-6S	N/A	39	35mm Conduit	8 AWG GND	0
C-XFMR-7S	4C, 6 AWG, RW90, 600V	PNL-3S	XFMR-7S	N/A	22.5	27mm Conduit	8 AWG GND	0
C-PNL-7S	4C, 6 AWG, RW90, 600V	XFMR-7S	PNL-7S	N/A	29.5	27mm Conduit	8 AWG GND	0
C-PCU-SA-A	2C, 8 AWG, Teck 90, 600V	PNL-G10	PCU-SA	0%	47	Cable Tray		0
C-PCU-SA-B	2C, 10 AWG, RW90, 600V	PNL-G9	PCU-SA	N/A	50	21mm Conduit	Existing	0
C-PCU-SD-A	2C, 8 AWG, RW90, 600V	PNL-6S	PCU-SD	N/A	12			0
C-PCU-SE-A	2C, 8 AWG, RW90, 600V	PNL-6S	PCU-SE	N/A	11	35mm Conduit	10 AWG GND	0
C-PCU-SF-A	2C, 8 AWG, RW90, 600V	PNL-6S	PCU-SF	N/A	15			0
C-PCU-SG-A	2C, 8 AWG, RW90, 600V	PNL-6S	PCU-SG	N/A	13.5			0
C-PCU-SD-B	2C, 8 AWG, RW90, 600V	PNL-7S	PCU-SD	N/A	13			0
C-PCU-SE-B	2C, 8 AWG, RW90, 600V	PNL-7S	PCU-SE	N/A	11.5	35mm Conduit	10 AWG GND	0
C-PCU-SF-B	2C, 8 AWG, RW90, 600V	PNL-7S	PCU-SF	N/A	15.5			0
C-PCU-SG-B	2C, 8 AWG, RW90, 600V	PNL-7S	PCU-SG	N/A	14.5			0
CA-M501-1	4PR, 18 AWG, CIC	UPS-M1	JBA-UPS-M1	N/A	4.5	21mm Conduit		0
CA-M501-2	6 PR, 16 AWG, CIC	JBA-UPS-M1	PCU-SH	N/A	7	21mm Conduit		0
CA-G560-1	4PR, 18 AWG, ACIC	UPS-G1	FDP-G	0%	44.5	Cable Tray		0
CA-G560-2	4 PR, 16 AWG, CIC	FDP-G	PCU-SA	N/A	9	Wireway		0
CA-G560-3	1 PR, 16 AWG, CIC	FDP-G	PCU-SA	N/A	7	Wireway		0
CA-S589-1	4PR, 18 AWG, CIC	UPS-S1	FDP-S	N/A	22.5	21mm Conduit		0
CA-S589-2	4 PR, 16 AWG, CIC	FDP-S	PCU-SF	N/A	8.5	Wireway		0
CA-S589-3	1 PR, 16 AWG, CIC	FDP-S	PCU-SF	N/A	8.5	Wireway		0
Gas Detection System Cables:								
CA-GDC-G1	2 PR, 22 AWG	GDC-G1	NP-G1	N/A	22	21mm Conduit	Industrial Data Cable	0
CA-GDC-G2	2 PR, 22 AWG	GDC-G2	NP-G1	N/A	26	21mm Conduit	Industrial Data Cable	0
CA-GDC-G3	2 PR, 22 AWG	GDC-G2	GDC-G3	N/A	69	21mm Conduit	Industrial Data Cable	0
CA-G501-1	1 TR, 18 AWG, CIC	G501-AT-1	GDC-G1	N/A	20	21mm Conduit	14 AWG GND	0
CA-G501-4	1 TR, 18 AWG, CIC	G501-AT-4	GDC-G1	N/A	14.5			0
CA-G501-2	1 TR, 18 AWG, CIC	G501-AT-2	GDC-G1	N/A	4.5			0
CA-G501-3	1 TR, 18 AWG, CIC	G501-AT-3	GDC-G1	N/A	4.5	21mm Conduit	14 AWG GND	0
CA-G501-5	4 PR, 16 AWG, CIC	ADP-G2	PCU-SA	N/A	17.5	27mm Conduit		0
CA-G502-1	1 TR, 18 AWG, CIC	G502-AT-1	GDC-G1	N/A	46			0
CA-G502-2	1 TR, 18 AWG, CIC	G502-AT-2	GDC-G1	N/A	46	21mm Conduit		0
CA-G503-1	1 TR, 18 AWG, CIC	G503-AT-1	GDC-G2	N/A	24			0
CA-G503-2	1 TR, 18 AWG, CIC	G503-AT-2	GDC-G2	N/A	22	27mm Conduit	14 AWG GND	0
CA-G503-3	1 TR, 18 AWG, CIC	G503-AT-3	GDC-G2	N/A	40	for 4 TR, 21mm Conduit for 2 TR	14 AWG GND	0
CA-G503-4	1 TR, 18 AWG, CIC	G503-AT-4	GDC-G2	N/A	42			0
CA-G504-1	1 TR, 18 AWG, CIC	G504-AT-1	GDC-G2	N/A	38			0
CA-G504-2	1 TR, 18 AWG, CIC	G504-AT-2	GDC-G2	N/A	42	21mm Conduit	14 AWG GND	0
CA-G319-1	1 TR, 18 AWG, CIC	G319-AT	GDC-G3	N/A	12.5	21mm Conduit	14 AWG GND	0
CA-B550-1	1 TR, 18 AWG, CIC	B550-AT	GDC-G3	N/A	33	21mm Conduit	14 AWG GND	0
CA-GDC-S1	2 PR, 22 AWG	GDC-S1	FDP-S	N/A	31	21mm Conduit	Industrial Data Cable	0
CA-S590-1	1 TR, 18 AWG, CIC	S590-AT-1	GDC-S1	N/A	29.5	Existing 21mm Conduit		0
CA-S590-2	1 TR, 18 AWG, CIC	S590-AT-2	GDC-S1	N/A	38	Existing 21mm Conduit		0
CA-S590-3	1 TR, 16 AWG, CIC	FDP-S	PCU-SF	N/A	7.5	Existing Wireway		0
CA-S591-1	1 TR, 18 AWG, CIC	S591-AT-1	GDC-S1	N/A	20	Existing 21mm Conduit		0
Power Meter Upgrades								
CN-G553-UI	Cat 5E, Armoured	NP-G1	G553-UI	0%	39	Cable Tray		0
CA-G554-UI	1 PR, 22 AWG	G553-UI	G554-UI	N/A	2	in MCC		0
CA-G552-UI	1 PR, 22 AWG	G554-UI	G552-UI	N/A	3.5	21mm Conduit		0
CA-G551-UI	1 PR, 22 AWG	G552-UI	G551-UI	N/A	2	in MCC		0

Notes:

- The Spacing column refers to the minimum percentage of a cable diameter, that must be between the nearest adjacent cable. Where two cables are adjacent, the spacing between the cables shall be the larger of the two spacings specified. Note that cables with a minimum spacing of 0%, may not be adjacent to existing or new cables with unspecified spacing except as directed by the Contract Administrator.
- The length is an estimate only, and is not to be utilized for construction. The contractor is responsible for determining the required cable lengths.
- This schedule is provided for reference only. The potential omission of any cables on this schedule, which may be required, does not reduce the contractor's responsibility in providing a complete installation.
- All conductors are copper, unless indicated otherwise.
- In general, 12 and 14 AWG RW90 and FAS wiring is not shown.