161-11133-00

DISTRIBUTION SCHEDULE

EXISTING PANEL NAME	NEW PANEL NAME	DESCRIPTION	VOLTAGE	BUS	PH.	WIRES	LOCATION	FEEDERS	FED FROM	NOTES
	5SSSW	SECTION SWITCHGEAR	4160V		3Ø	3W	F39 PERIMETER AREA	3#4 /0 5KV	5SSSE	NEW EQUIPMENT
	5SSSE	SECTION SWITCHGEAR	4160V		3Ø	3W	F72 PERIMETER AREA	3#4 /0 5KV	MAIN SERVICE SWITCHGEAR BLDG C-36	EXISTING EQUIPM,ENT
	6SF2-E1	SPLITTER	600V	200A	3Ø	3W	F2 ELECTRICAL ROOM	3#1,1# 6GND-50C	6DPF39-E2	NEW EQUIPMENT
	6SF34-E1	SPLITTER	120 /208V	225A	3Ø	4W	F34	4#2/0,1# 6GND-64C	TXF34-E1	NEW EQUIPMENT
	6DPF12-E1	DISTRIBUTION PANEL	600V	225A	3Ø	3W	F12 CORCAN SHED	3 #3/0,1# 4GND-64C	6DPF39-E2	NEW EQUIPMENT
	2DPF12-E1	DISTRIBUTION PANEL	208V	600A	3Ø	3W	F12 CORCAN WOOD SHOP	2X3#3/0,1# 4GND-64C	TXF12-E1	NEW EQUIPMENT
PANEL #2	2PPF12-E1	PANEL BOARD	120 /208V	400A	3Ø	4W	F12 CORCAN WOOD SHOP	3#4/0,1# 4GND-64C	2DPF12-E1	NEW EQUIPMENT
PANEL #1	2PPF12-E2	PANEL BOARD	120 /208V	400A	3Ø	4W	F12 CORCAN WOOD SHOP	3#4/0,1# 4GND-64C	2DPF12-E1	NEW EQUIPMENT
		F-12 EXISTING SPLITTER	600V		3Ø	4W	F12 BLDG SECOND FLOOR			TO BE REMOVED
		F-12 EXISTING SPLITTER	600V		3Ø	3W	F12 BLDG MAIN FLOOR		60A FUSE DISCONNECT	TO BE REMOVED
		F-12 EXISTING SPLITTER	120 /208V		3Ø	3W	F12 BLDG MAIN FLOOR		112.5KVA TRANSFROMER	TO BE REMOVED
PANEL 6EE	6DPF19-E1	DISTRIBUTION PANEL	600V	200A	3Ø	3W	F19 ELECTRICAL ROOM	3#250,1# 4GND-75C	6DPF39-E2	NEW EQUIPMENT
	2DPF19-E1	DISTRIBUTION PANEL	208V	225A	3Ø	3W	F19 ELECTRICAL ROOM	2x4#1,1# 6GND-40C	TXF19-E1	NEW EQUIPMENT
PANEL 2EB	2PPF19-E1	PANEL BOARD	120 /208V	225A	3Ø	4W	F19	4#3,1# 6GND-40C	2DPF19-E1	NEW EQUIPMENT
	2PPF19-E2	PANEL BOARD	120 /208V	200A	3Ø	4W	F19	4#1/ 0,1# 6GND-64C	2DPF19-E1	NEW EQUIPMENT
CPD 6D	6DPF19/F22-E1	DISTRIBUTION PANEL	600V	200A	3Ø	3W	F22 ELECTRICAL ROOM	4#1/ 0,1# 6GND-64C	6DPF19-E1	NEW EQUIPMENT
PANEL 1F	2PPF22-E1	PANEL BOARD	120 /208V	225A	3Ø	4W	F22 ELECTRICAL ROOM	4#4,1# 8GND-40C	2DPF19-E1	NEW EQUIPMENT
PANEL 1A	2PPF22-E2	PANEL BOARD	120 /208V	225A	3Ø	4W	F22 ELECTRICAL ROOM	4#8,1# 10GND-25C	2DPF19-E1	NEW EQUIPMENT
CDP	6DPF24-E1	DISTRIBUTION PANEL	600V	400A	3Ø	3W	F24 ELECTRICAL ROOM	2X3#3/0,1# 4GND-64C	6DPF39-E2	NEW EQUIPMENT
CDP	2DPF24-E1	DISTRIBUTION PANEL	208V	400A	3Ø	3W	F24 ELECTRICAL ROOM	2X3#3/0,1# 4GND-64C	TXF24-E1	NEW EQUIPMENT
PANEL A	2PPF24-E1	PANEL BOARD	120 /208V	225A	3Ø	4W	F24 SOUTH CORRIDOR	3#3/0,1# 4GND-64C	2DPF24-E1	NEW EQUIPMENT
PANEL B	2PPF24-E2	PANEL BOARD	120 /208V	225A	3Ø	4W	F24 SOUTH E CORRIDOR	3#1,1# 6GND-50C	2DPF24-E1	NEW EQUIPMENT
PANEL C	2PPF24-E3	PANEL BOARD	120 /208V	225A	3Ø	4W	F24 SOUTH CORRIDOR	3#2,1# 8GND-40C	2DPF24-E1	NEW EQUIPMENT
PANEL D	2PPF24-E4	PANEL BOARD	120 /208V	225A	3Ø	4W	F24 ELECTRICAL ROOM	3#6,1# 8GND-32C	2DPF24-E1	NEW EQUIPMENT
		F-25 ADMIN SWITCHBOARD	600V	600A	3Ø	4W	F25 BLDG	2 X 4c # 350 MCM TECK		RE FED TO 6SBF39-E1
SPLITTER	6DPF28-E1	DISTRIBUTION PANEL	600V	200A	3Ø	3W	F28	3#2,1# 8GND-40C	6DPF39-E2	NEW EQUIPMENT
PANEL	2PPF28-E1	PANEL BOARD	120 /208V	225A	3Ø	4W	F28	4 #2/0,1# 6GND-64C	TXF28-E1	NEW EQUIPMENT
		F-28 EXISTING SPLITTER	600V		3Ø	4W	F28 ELECTRICAL ROOM		60A FUSE DISCONNECT	TO BE REMOVED
	6DPF30-E1	DISTRIBUTION PANEL	600V	200A	3Ø	3W	F30 ELECTRICAL ROOM	3#2,1# 6GND-40C	6DPF39-E2	NEW EQUIPMENT
	2PPF30-E1	PANEL BOARD	120 /208V	100A	3Ø	4W	F30	4#6,1# 8GND-32C	TXF30-E1	NEW EQUIPMENT
	2PPF30-E2	PANEL BOARD	120 /208V	100A	3Ø	4W	F30	4 #3,1# 6GND-40C	2PPF30-E1	NEW EQUIPMENT
	2PPF30-E3	PANEL BOARD	120 /208V	225A	3Ø	4W	F30	4 #2/0,1# 6GND-64C	TXF30-E2	NEW EQUIPMENT
	2PPF30-E4	PANEL BOARD	120 /208V	225A	3Ø	4W	F30	4 #3,1# 6GND-40C	2PPF30-E3	NEW EQUIPMENT
	6DPF34-E1	DISTRIBUTION PANEL	600V	200A	3Ø	3W	F34 ELECTRICAL ROOM	3#3,1# 6GND-40C	6DPF39-E2	NEW EQUIPMENT
PANEL A	2PPF34-E1	PANEL BOARD	120 /208V	200A	3Ø	4W	F34	4#3/0,1#4GND-64C	TXF34-E1	NEW EQUIPMENT
PANEL B	2PPF34-E2	PANEL BOARD	120 /208V	200A	3Ø	4W	F34	4#3/0,1#4GND-64C	TXF34-E1	NEW EQUIPMENT
		F-34 EXISTING SPLITTER	600V		3Ø	4W	F34 ELECTRICAL ROOM		100A FUSE DISCONNECT	TO BE REMOVED
	6DPF39-N1	F-39 SERVICE SWITCHBOARD	600V	1000A	3Ø	3W	F39 ELECTRICAL ROOM	3X4 # 350MCM, 1#3GND-129C	TXF39-N1	NEW EQUIPMENT
	6DPF39-E1	F-39 DISTRIBUTION PANEL	600V	1000A	3Ø	3W	F39 ELECTRICAL ROOM	2X4 # 350MCM, 1#3GND IN FREE AIR	ATSU8-E1	NEW EQUIPMENT
CDP-1	6DPF39-E2	F-39 DISTRIBUTION PANEL	600V	600A	3Ø	3W	F39 ELECTRICAL ROOM	2X4 #350 MCM TECK	6DP639-E1	NEW EQUIPMENT
	CDP1	DISTRIBUTION PANEL	600V	600A	3Ø	3W	F39 BLDG		EXISTING ATS	TO BE REMOVED
	CDP2	DISTRIBUTION PANEL	600V	400A	3Ø	3W	F39 BLDG		EXISTING ATS	TO BE REMOVED
	CDP3	DISTRIBUTION PANEL	600V	400A	3Ø	3W	F39 BLDG		EXISTING ATS	TO BE REMOVED
		F-39 SWITCHBOARD	600V	600A	3Ø	4W	F39 BLDG	2 X 4c # 350 MCM TECK		RE FED TO 6SBF39-E1 SWITCHBOARD
		F39 AUTOMATIC TRANSFER SWITCH	600V				F39 BLDG	2X4 # 350MCM, 1 # 3GND IN FRRE AIR		NEW EQUIPMENT
PANEL A	2PPF72-E1	PANELBOARD	120 /208V		3Ø	4W	F72 BLDG	EXISTING	MDC	EXISTING PANEL TO REMAIN-RELABEL
PANEL B	2PPF72-E2	PANELBOARD	120 /208V		3Ø	4W	F72 BLDG	EXISTING	MDC	EXISTING PANEL TO REMAIN-RELABEL
PANEL C	2PPF72-E3	PANELBOARD	120 /208V		3Ø	4W	F72 BLDG	EXISTING	MDC	EXISTING PANEL TO REMAIN-RELABEL
PANEL D	2PPF72-E4	PANELBOARD	120 /208V		3Ø	4W	F72 BLDG	EXISTING	MDC	EXISTING PANEL TO REMAIN-RELABEL
PANEL F	2PPF72-E5	PANELBOARD	120 /208V		3Ø	4W	F72 BLDG	EXISTING	MDC	EXISTING PANEL TO REMAIN-RELABEL
PANEL G	2PPF72-E6	PANELBOARD	120 /208V		3Ø	4W	F72 BLDG	EXISTING	MDC	EXISTING PANEL TO REMAIN-RELABEL
PANEL H	2PPF72-E7	PANELBOARD	120 /208V		3Ø	4W	F72 BLDG	EXISTING	MDC	EXISTING PANEL TO REMAIN-RELABEL
PANEL J	2PPF72-E8	PANELBOARD	120 /208V		3Ø	4W	F72 BLDG	EXISTING	MDC	EXISTING PANEL TO REMAIN-RELABEL
PANEL M	2PPF72-E9	PANELBOARD	120 /208V		3Ø	4W	F72 BLDG	EXISTING	MDC	EXISTING PANEL TO REMAIN-RELABEL
PANEL UPS	2PPF72-E10	PANELBOARD	120 /208V		3Ø	4W	F72 BLDG	EXISTING	EDP-1	EXISTING PANEL TO REMAIN-RELABEL
PANEL EM	2PPF72-E11	PANELBOARD	120 /208V		3Ø	4W	F72 BLDG	EXISTING	EDP-1	EXISTING PANEL TO REMAIN-RELABEL
	2PPGEN-E1	PANELBOARD	120 /208V		3Ø	4W	GENERATOR ROOM	4#2, 1#6GND-40C	TXGEN-E1	NEW EQUIPMENT 1

ELECTRICAL EQUIPMENT SCHEDULE

NEW PANEL NAME	EXISTING PANEL NAME	DESCRIPTION	KVA	VOLTAGE	BUS RATING	PH.	WIRES	LOCATION	FEEDERS PRIMARY	FEEDERS SECONDARY	FED FROM	NOTES
TXF12-E1		TRANSFORMER	112.5KVA	600-120/208V		3Ø	4W	F12	3# 1/0,1 # 6GND- 50 C	2X4# 3/0 ,1# 4GND- 64 C	6DPF12-E1	NEW EQUIPMENT,REPLACEMENT OF OLD TRANSFORMER
TXF19-E1	-	TRANSFORMER	75KVA	600-120/208V	-	3Ø	4W	F19	3#3,1#6GND- 40C	2x4#1,1# 6GND- 40C	6DPF19-E1	NEW EQUIPMENT,REPLACEMENT OF OLD TRANSFORMER
2MCCF19-E1		MOTOR CONTROL CENTER			300A	3Ø	4W	F19			2DPF19-E1	NEW EQUIPMENT
		15A 3P FUSED DISCONNECT		600V		3Ø	4W	F22 ELECTRICAL ROOM	3#12,1 # 12GND- 19C		6DPF22-E1	REPLACE OLD FUSED DISCONNECT
TXF24-E1		TRANSFORMER	112.5KVA	600-120/208V		3Ø	4W	F24 ELECTRICAL ROOM	3#1,1 # 2/0GND- 50 C	2X4# 3/0 ,1# 4GND- 64 C	6DPF24-E1	NEW EQUIPMENT,REPLACEMENT OF OLD TRANSFORMER
TXF28-E1		TRANSFORMER	45KVA	600-120/208V	-	3Ø	4W	F28	3#8,1 # 6GND- 25C	4#1/0,1# 6GND- 50 C	6DPF28-E1	NEW EQUIPMENT,REPLACEMENT OF OLD TRANSFORMER
TXF30-E1		TRANSFORMER	15KVA	600-120/208V	-	3Ø	4W	F30	3#12,1 # 8GND- 19 C	4#6,1 # 8GND- 32 C	6DPF30-E1	NEW EQUIPMENT,REPLACEMENT OF OLD TRANSFORMER
TXF30-E2		TRANSFORMER	45KVA	600-120/208V	-	3Ø	4W	F30	3#8,1 # 6GND- 25C	4#1/0,1# 6GND- 50C	6DPF30-E1	NEW EQUIPMENT,REPLACEMENT OF OLD TRANSFORMER
TXF34-E1		TRANSFORMER	45KVA	600-120/208V	-	3Ø	4W	F34	3#8,1 # 6GND- 25C	4#1/0,1# 6GND- 50C	6DPF34-E1	NEW EQUIPMENT,REPLACEMENT OF OLD TRANSFORMER. CONTRACTOR TO CONFIMR TRANSFORMER RATINGON SITE
TXF39-E1		TRANSFORMER	750KVA	4160-347/600V		3Ø	4W	F39 PERIMETER AREA	3 #4 /0 5KV TECK CABLE	3X 4c# 500MCM TECK	5SSSW	NEW EQUIPMENT
TXF72-E1		F-72 TRANSFORMER	450KVA	600-120/208V		3Ø	4W	F72 BLDG	2 X 3c # 300MCM TECK	EXISTING	6SBF39-E1	NEW EQUIPMENT
GU8		GENERATOR	750KVA	600V		3Ø	4W	GENERATOR ENCLOSURE				NEW EQUIPMENT
ATSU8-E1		AUTOMATIC TRANSFER SWITCH		600V		3Ø	3W	F39			6SBF39-E1	NEW EQUIPMENT
TXGEN-E1		GENERATOR ROOM TRANSFORMER	30KVA	600-120/208V		3Ø	4W	GENERATOR ROOM	3#8, 1#10GND-25C	4#2, 1#6GND-40C	6SBF39-E2	NEW EQUIPMENT 1
		FUSED DISCONNECT		600V	40A	3Ø	3W	F12 ELECTRICAL ROOM SECOND FLOOR				TO BE REMOVED
		FUSED DISCONNECT		600V	40A	3Ø	3W	F12 ELECTRICAL ROOM SECOND FLOOR				TO BE REMOVED
		FUSED DISCONNECT		600V	60A	3Ø	3W	F12 ELECTRICAL ROOM MAIN FLOOR				TO BE REMOVED
		FUSED DISCONNECT		600V	30A	3Ø	3W	F12 ELECTRICAL ROOM MAIN FLOOR				TO BE REMOVED
		FUSED DISCONNECT		600V	30A	3Ø	3W	F12 ELECTRICAL ROOM MAIN FLOOR				TO BE REMOVED
		FUSED DISCONNECT		600V	60A	3Ø	3W	F28 ELECTRICAL ROOM				TO BE REMOVED
		FUSED DISCONNECT		600V	30A	3Ø	3W	F28 ELECTRICAL ROOM				TO BE REMOVED
		FUSED DISCONNECT		600V	30A	3Ø	3W	F28 ELECTRICAL ROOM				TO BE REMOVED
		FUSED DISCONNECT		600V	30A	3Ø	3W	F28 ELECTRICAL ROOM				TO BE REMOVED
		FUSE DISCONNECT		600V	30A	3Ø	3W	F-30 OLD GREENHOUSE				TO BE REMOVED
		FUSE DISCONNECT		600V	30A	3Ø	3W	F-30 OLD GREENHOUSE				TO BE REMOVED
		FUSE DISCONNECT		600V	60A	3Ø	3W	F-30 NEW GREENHOUSE				TO BE REMOVED
		FUSED DISCONNECT		600V	70A	3Ø	3W	F34 ELECTRICAL ROOM				TO BE REMOVED
		FUSED DISCONNECT		600V	60A	3Ø	3W	F34 ELECTRICAL ROOM				TO BE REMOVED
		FUSED DISCONNECT		600V		3Ø	3W	F34 ELECTRICAL ROOM				TO BE REMOVED
		EXISTING GENERATOR	560KVA	600V		3Ø	4W	F39 BLDG				TO BE REMOVED
		EXISTING AUTOMATIC TRANSFER SWITCH		600V	600A	3Ø	4W	F39 BLDG				TO BE REMOVED
		S&C 5KV FUSED DISCONNECT		4160V	600A			F39 BLDG				TO BE REMOVED
		EXISTING TRANSFORMER	450KVA	4160-347/600V		3Ø	4W	F-39 PERIMETER AREA				TO BE REMOVED

MOTOR CONTROL SCHEDULE(2MCCF19-E1)

MOTOR No	DESCRIPTION	WATTS/HP	VOLTS, PH	FLA	BREAKER	FEEDER	CIRCUIT	STARTER	DISCON.	REMARKS	MOTOR No
	TIMING PUMP	10HP	208V 3PH	31	80A3P	3 # 8, 1# 10GND-25C	2MCCF19-E1	NEMA SIZE 2	60A3P	NOTE 1	
	HOMOGENIZER	10HP	208V 3PH	31	80A3P	3 # 8, 1# 10GND-25C	2MCCF19-E1	NEMA SIZE 2	60A3P	NOTE 1	
	SEPARATOR UNIT	10HP	208V 3PH	31	80A3P	3 # 8, 1# 10GND-25C	2MCCF19-E1	NEMA SIZE 2	60A3P	NOTE 1	
	HOT WATER SET	10HP	208V 3PH	31	80A3P	3 # 8, 1# 10GND-25C	2MCCF19-E1	NEMA SIZE 2	60A3P	NOTE 1	
	REFRIG MILK SYSTEM	10HP	208V 3PH	31	80A3P	3 # 8, 1# 10GND-25C	2MCCF19-E1	NEMA SIZE 2	60A3P	NOTE 1	
	SPARE	10HP	208V 3PH	31	80A3P	3 # 8, 1# 10GND-25C	2MCCF19-E1	NEMA SIZE 2	60A3P	NOTE 1	
	POWER UNIT	10HP	208V 3PH	31	80A3P	3 # 8, 1# 10GND-25C	2MCCF19-E1	NEMA SIZE 2	60A3P	NOTE 1	

NOTES

1. ELECTRICAL CONTRACTOR TO COORDINATE WITH OWNER TO CONFIRM MOTOR SIZE RATINGS ON SITE

Public Works and Government Services Canada / Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES
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Association of Professional Engineers & Geoscientists of Saskatchewan CERTIFICATE OF AUTHORIZATION WSP CANADA INC. Number C0868

Revision/Révision	Description/Description	Date/Date
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Client/client
CORRECTIONAL SERVICE CANADA

Project title/Titre du projet
SASKATCHEWAN PENITENTIARY ELECTRICAL UPGRADES 2017

Approved by/Approuve par: BKB
Designed by/Concept par: WSM
Drawn by/Dessine par: WSM
PWGSC Project Manager/Administrateur de Projets TPSGC
PWGSC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC
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