



NOTES:

1. PROVIDE AND INSTALL NEW CIRCUITS(N), DISCONNECTING AND REMOVING LOADS INDICATED(D).
2. CONTRACTOR SHALL VERIFY ALL CIRCUITS AND AS-BUILT ENTIRE PANEL.

MOTOR / EQUIPMENT SCHEDULE			Power Circuit								Controller / Drive				Control Circuit					Remarks				
Tag	Location	Description	Motor Characteristics					Feeder			Fdr. Tag	Source	Note	Type	Size	Location	Supplier	Note	FCS		Location	Cable	Cable No	Note
P-100A	SOUTH BOILER ROOM	BOILER B-1 EXCHANGER PUMP	1	575	3	1.7	15CB	12R	P-P100A	Panel H		MAG	00	At Unit	Div 16					LOR	1			
P-100B	SOUTH BOILER ROOM	BOILER B-1 EXCHANGER PUMP	1	575	3	1.7	15CB	12R	P-P100A	Panel H		MAG	00	At Unit	Div 16					LOR	1			
P-101A	NORTH BOILER ROOM	LAB EXHAUST HEAT CAPTURE PUMP	2	575	3	2.7	15CB	12R	P-P101A	Panel HN		MAG	0	At Unit	Div 16					LOR	1			
P-101B	NORTH BOILER ROOM	LAB EXHAUST HEAT CAPTURE PUMP	2	575	3	2.7	15CB	12R	P-P101B	Panel HN		MAG	0	At Unit	Div 16					LOR	1			
P-102A	NORTH BOILER ROOM	ANIMAL AUTOPSY AHU COIL PUMP	1/4	200	1	3.3	15CB	12R	P-P102A	Panel NBR		On unit			Div 15			D2			1			
P-102B	NORTH BOILER ROOM	ANIMAL AUTOPSY AHU COIL PUMP	1/4	200	1	3.3	15CB	12R	P-P102B	Panel NBR		On unit			Div 15			D2			1			
SP-1	NORTH BOILER ROOM	HYDRONIC SYSTEM PUMP	3	575	3	3.9	15CB	12R	P-SP1	Panel HN		On unit			Div 15						1			
SP-2	NORTH BOILER ROOM	HYDRONIC SYSTEM PUMP	3	575	3	3.9	15CB	12R	P-SP2	Panel HN		On unit			Div 15						1			
AHU-1	NORTH BOILER ROOM	NORTH WING AIR HANDLER	10	575	3	10	15CB	12R	P-AH1	Panel HN		VFD		At Unit	Div 16				LOR	1				
RAF-1	NORTH BOILER ROOM	NORTH WING RETURN AIR FAN	5	575	3	6.1	15CB	12R	P-RAF1	Panel HN		VFD		At Unit	Div 16				LOR	1				
AH-1	NORTH BOILER ROOM	NORTH WING AIR HUMIDIFIER	120	1	3.2	15CB	12R	P-AH1	Panel NBR		On unit				Div 15			D2			1			
AH-2	SOUTH BOILER ROOM	SOUTH WING AIR HUMIDIFIER	120	1	3.2	15CB	12R	P-AH2	Panel MA		On unit				Div 15			D2			1			
AH-3	NORTH WING ANIMAL REC.	ANIMAL AUTOPSY ROOM AIR HUMIDIFIER	120	1	2	15CB	12R	P-AH3			On unit				Div 15			D2			1			
DHW-1	LOWER NORTH MECH RM.	DOMESTIC HOT WATER BLOWER	120	1	3.8	15GF1	12R	P-DHW1	Panel NBR		On unit				Div 15			D2			1			
FF-1	OFFICE 101 (See M103)	FORCE FLOW CABINET HEATER	1/7	120	1	1.7	15CB	12R	P-FF1	Panel NBR		On unit			Div 15			D2			1			
B-3	LOWER NORTH MECH RM.	BOILER #3	120	1	7	15CB	12R	P-B3	Panel NBR		On unit				Div 15					1				
B-4	LOWER NORTH MECH RM.	BOILER #4	120	1	7	15CB	12R	P-B4	Panel NBR		On unit				Div 15					1				
UH-1	SOUTH WING STORAGE RM.	UNIT HEATER #1	1/7	120	1	1.9					P1										1			
UH-2	SOUTH WING RECEIVING	UNIT HEATER #2	1/10	120	1	1.8					P1										1			
UH-3	NORTH WING ANIMAL REC.	UNIT HEATER #3	1/4	120	1	3.4					P1										1			
DRP-1	NORTH BOILER ROOM	DOMESTIC WATER RECIRC. PUMP	115	1	1	15CB	12R	P-DRP1	Panel NBR		On unit				Div 15			D2						

**6** MOTOR / EQUIPMENT SCHEDULE  
**E01** N.T.S.

3  
E01

PANEL 'HN'

N.T.S.

**NOTES:**

1. PROVIDE AND INSTALL NEW CIRCUITS(N), DISCONNECTING AND REMOVING LOADS INDICATED(D).
2. CONTRACTOR SHALL VERIFY ALL CIRCUITS AND AS-BUILT ENTIRE PANEL.

4  
E01

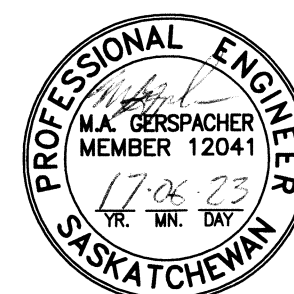
**NOTES:**

1. DISCONNECT AND REMOVE EXISTING PANEL. PROVIDE AND INSTALL NEW PANEL, INCLUDING ALL LOADS SHOWN, RECONNECT EXISTING LOADS(E), PROVIDE AND INSTALL NEW CIRCUITS(N).
2. CONTRACTOR SHALL VERIFY ALL CIRCUITS AND AS-BUILT ENTIRE PANEL.

5 PANEL 'NBR'  
E01 N.T.S.

LUMINAIRE SCHEDULE			
TYPE	DESCRIPTION	VOLTAGE	LAMPS
A	1140mm long LED strip light complete with white finish, 7600 lumens, 4000K colour temperature, electronic driver, and frosted lens. Philips FluxStream FSS series or approved equal.	120V AC	LED

7  
E01



Association of Professional Engineers & Geoscientists  
of Saskatchewan

**CERTIFICATE OF AUTHORIZATION**  
**KGS Group**  
**Number C0620**



Permission to Consult held by:

Discipline	SK. Reg. No.	Signature
<u>ELECTRICAL</u>	<u>6643</u>	<u>[Signature]</u>



(N) NEW  
(E) EXISTING  
(D) DEMOLITION  
(R) REPLACE

0	ISSUED FOR TENDER	23-JUN-2017
REV	Description	Date

A detail no.  
no. du détail  
 B location drawing no.  
sur dessin no.  
 C drawing no.  
dessin no.

project

project

**MECHANICAL UPGRADE  
115 PERIMETER ROAD  
SASKATOON, SASK.**

**ENVIRONMENT CANADA**  
335 River Rd  
Ottawa ON, K1V 1C7

# ELECTRICAL S.L.D. PANELBOARDS & SCHEDULES

Designed By	M.A. GERSPACHER	Conçu par
Date	2017/03/12	(yyyy/mm/dd)
Drawn By	G. HART	Dessiné par
Date	2017/03/15	(yyyy/mm/dd)
Reviewed By	M.A. GERSPACHER	Examiné par
Date	2017/06/23	(yyyy/mm/dd)
Approved By	AMB	Approuvé par
Date	2017/06/23	(yyyy/mm/dd)
Tender	Soumission	

Project Manager	Administrateur de projets
EC PMDI Proj no.	Consultant Proj no.
	17-0006-002
Drawing no.	No. du dessin

E01