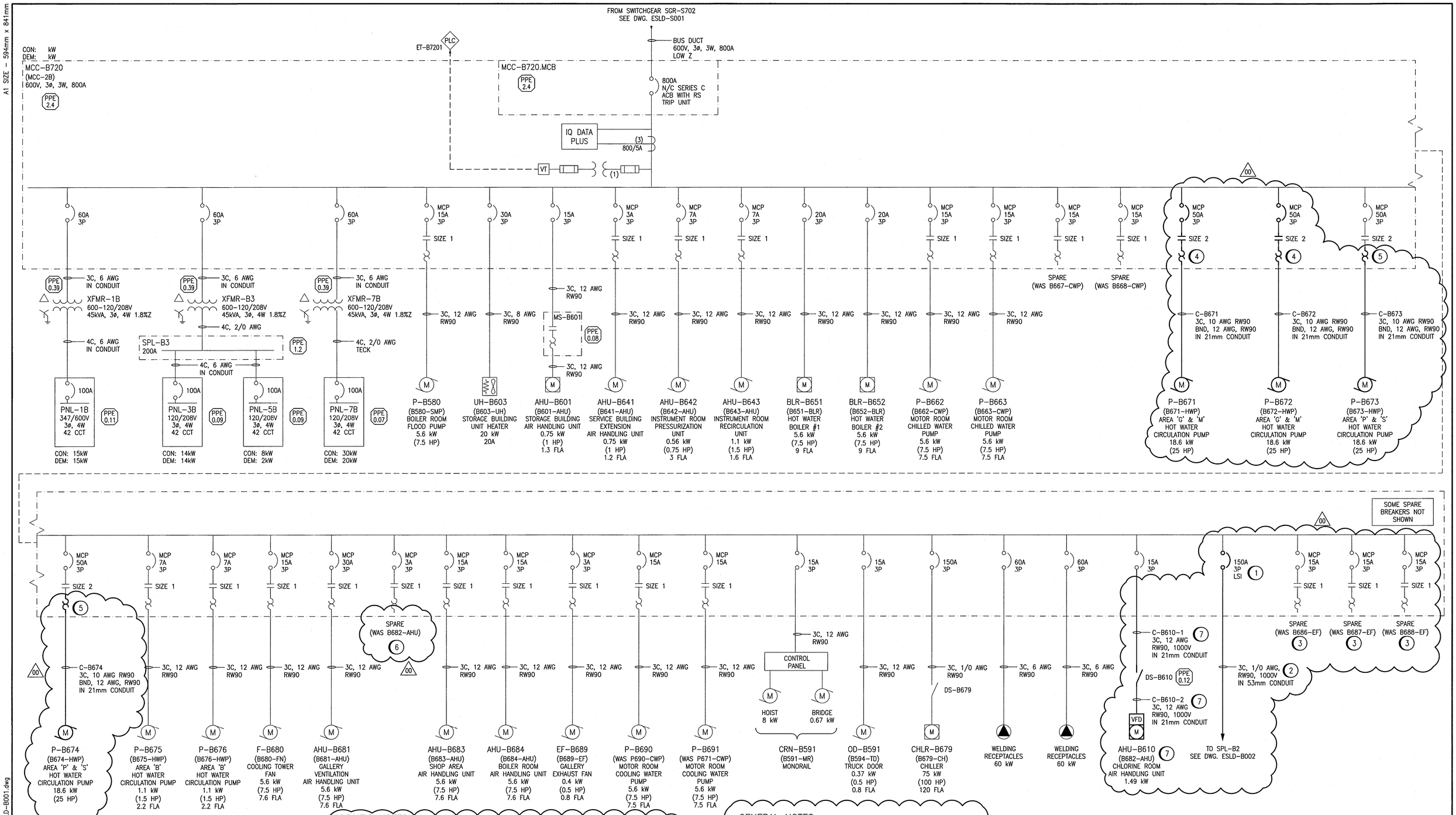

SPECIFIC NOTES

1. REMOVE EXISTING 150A THERMAL MAGNETIC BREAKER AND PROVIDE CUTLER HAMMER 250A FRAME KD OPTIM 550 BREAKER WITH 150A LSI TRIP UNIT FOR BETTER COORDINATION WITH DOWNSTREAM BREAKERS. PROVIDE ALL NECESSARY ACCESSORIES FOR MOUNTING.
2. REMOVE EXISTING CABLING (1 AWG) AND CONDUIT ASSOCIATED WITH ATS-B1. PROVIDE NEW WIRING RUN IN CONDUIT FROM MCC-B720 TO SPL-B2. CABLE TO BE UPSIZED TO 1/0 AWG.
3. DISCONNECT AND REMOVE WIRING AND CONDUIT TO GRIT TANK EXHAUST FANS. THESE EQUIPMENT ARE TO BE FED FROM NEW MCC-G770 AND MCC-G780 LOCATED IN GRIT AND SCREENINGS ELECTRICAL ROOM G-144 (REFER TO DWG ESLD-G006). RETAIN MOTOR STARTER AND MARK AS 'SPARE'.
4. REMOVE EXISTING MOTOR STARTER. PROVIDE NEW STARTER, 50A, 3P MOTOR CIRCUIT PROTECTOR, OVERLOADS, XFMR, TERMINALS, CONTACTOR, WIRING AND CONDUIT TO SUIT MOTOR NAMEPLATE. REFER TO DRAWING SEP-910 FOR LOCATION OF PUMP.
5. PROVIDE NEW OVERLOADS, WIRING AND CONDUIT TO SUIT MOTOR NAMEPLATE. RETAIN EXISTING MOTOR CIRCUIT PROTECTOR AND STARTER. REFER TO DRAWING SEP-910 FOR LOCATION OF PUMP.
6. REMOVE WIRING/CONDUIT TO AIR HANDLING UNIT B682-AHU AS THIS EQUIPMENT WILL BE DEMOLISHED AND REPLACED WITH NEW UNIT. RETAIN MOTOR STARTER AND MARK AS 'SPARE'.
7. WIRE AND CONNECT NEW AHU-B610 LOCATED IN MECHANICAL ROOM B113. PROVIDE NEW CABLING AND CONDUIT FROM MCC TO DISCONNECT AND TO THE EQUIPMENT. PROVIDE NEW DISCONNECT SWITCH. REFER TO DWG. SEP-909 FOR LOCATION.

GENERAL NOTES:

1. THIS DRAWING SUPERSEDES PART OF DWG. 1-0102B-E0007.
2. RE-TAG MCC, DISTRIBUTION EQUIPMENT, AND ALL LOADS. PROVIDE NEW LAMACOIDS. PREVIOUS IDENTIFIERS SHOWN IN PARENTHESES. ITEMS ARE NOT SHOWN CLOUDED.
3. THE EXISTING PORTIONS OF THIS DRAWING ARE BASED UPON EXISTING DOCUMENTATION AND WERE NOT FIELD VERIFIED.
4. CLOUDED PORTION INDICATE NEW WORK / MODIFICATIONS TO EXISTING EQUIPMENT.

REFERENCE DRAWINGS	DESCRIPTION
1-0102-ECBD-B001	MCC-B720 LAYOUT & SCHEDULE
1-0102-EAAA-A001	ELECTRICAL, LEGEND AND DETAILS

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

NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR CONSTRUCTION – 976-2016	2017/04/05	WE	DEB

CH2MHILL.
SNC·LAVALIN
KGS GROUP CONSULTING ENGINEERS

DESIGNED BY: V. ELIMBAN	CHECKED BY: E. RYCZKOWSKI
DRAWN BY: MJ. PERSSON	APPROVED BY: D. BECKER
SCALE: NTS	ISSUED FOR CONSTRUCTION BY: J. SHUMKA
DATE: 2014/10/02	DATE: 2017/04/05
CONSULTANT NO.: 474248	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
D.E. BECKER
Member
23646
REGISTERED PROFESSIONAL ENGINEER
April 5/2017

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
SEWPCC UPGRADING/ EXPANSION PROJECT
ELECTRICAL – SINGLE LINE DIAGRAM
SERVICE BUILDING
MCC-B720

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0102-ESLD-B001	001	00	A1

PLOT DATE: Mar 28, 2017 – 11:48am
FILE NAME:1-0102-ESLD-B001.dwg

A1 SIZE – 594mm x 841mm
LAST SAVE: 2017/03/28 – 11:48am
PATH: C:\pw_workdir\ch2mhill_wbg\sh043264\d04162119\1-0102-ESLD-B001.dwg