A1 SIZE – 594mm x 841mm

NETWORK SWITCH ID:	LOCATION:	MODEL:	IP ADDRESS:	MANAGED [X] UNMANAGED [ ]
NSW-K710-1	MCC-K710	TCSESM163F23F0	XXX.XXX.XXX	

PORT	EQMT ID	TYPE	LOCATION	IP ADDRESS	NOTES
1	NSW-K930	NSW	CP-K820		
2	NSW-K710-2	NSW	MCC-K710		
3	MXR-K111	MMC			
4	MXR-K112	MMC			
5	MXR-K113	VFD			
6	CM-K114	VFD			
7	B-K160	MMC			
8	P-K211	MMC			
9	P-K213	MMC			
10					
11					
12					
13					
14					
15					
16					
NOTES	1. SWITCH DEDICATED TO PROCESS EQUIPMENT.				

NETWORK SWITCH ID:	LOCATION:	MODEL:	IP ADDRESS:	MANAGED [X] UNMANAGED [ ]
NSW-K720-1	MCC-K720	TCSESM163F23F0	XXX.XXX.XXX	

PORT	EQMT ID	TYPE	LOCATION	IP ADDRESS	NOTES
1	NSW-K710-2	NSW	MCC-K710		
2	NSW-K720-2	NSW	MCC-K720		
3	MXR-K121	MMC			
4	MXR-K122	MMC			
5	MXR-K123	VFD			
6	CM-K124	VFD			
7	P-K221	MMC			
8	P-K223	MMC			
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16					
NOTES	1. SWITCH DEDICATED TO PROCESS EQUIPMENT.				

NETWORK SWITCH ID:	LOCATION:	MODEL:	IP ADDRESS:	MANAGED [X] UNMANAGED [ ]
NSW-K730	MCC-K730	TCSESM163F23F0	XXX.XXX.XXX	

PORT	EQMT ID	TYPE	LOCATION	IP ADDRESS	NOTES
1	PLC-K806	PLC	CP-K826		
2	NSW-K740	NSW	MCC-K740		
3	P-K660	MMC			
4	EF-K611	VFD			
5	EF-K621	VFD			
6	EF-K631	VFD			
7	P-K665	MMC			
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16					
NOTES	1. SWITCH DEDICATED TO HVAC EQUIPMENT.				

NETWORK SWITCH ID:	LOCATION:	MODEL:	IP ADDRESS:	MANAGED [X] UNMANAGED [ ]
NSW-K710-2	MCC-K710	TCSESM163F23F0	XXX.XXX.XXX	

PORT	EQMT ID	TYPE	LOCATION	IP ADDRESS	NOTES
1	NSW-K710-2	NSW	MCC-K710		
2	NSW-K720-1	NSW	MCC-K720		
3	P-K222	MMC			
4	P-K251	VFD			
5	AG-K311	MMC			
6	FDR-K312	VFD			
7	P-K501	MMC			
8					
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14					
15					
16					
NOTES	1. SWITCH DEDICATED TO PROCESS EQUIPMENT.				

NETWORK SWITCH ID:	LOCATION:	MODEL:	IP ADDRESS:	MANAGED [X] UNMANAGED [ ]
NSW-K720-2	MCC-K720	TCSESM163F23F0	XXX.XXX.XXX	

PORT	EQMT ID	TYPE	LOCATION	IP ADDRESS	NOTES
1	NSW-K720-1	NSW	MCC-K720		
2	NSW-K931	NSW	CP-K820		
3	P-K212	MMC			
4	P-K252	VFD			
5	P-K253	MMC			
6	P-K502	MMC			
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16					
NOTES	1. SWITCH DEDICATED TO PROCESS EQUIPMENT.				

NETWORK SWITCH ID:	LOCATION:	MODEL:	IP ADDRESS:	MANAGED [X] UNMANAGED [ ]
NSW-K740	MCC-K740	TCSESM163F23F0	XXX.XXX.XXX	

PORT	EQMT ID	TYPE	LOCATION	IP ADDRESS	NOTES
1	NSW-K730	NSW	MCC-K730		
2	PLC-K806	PLC	CP-K826		
3	P-K661	MMC			
4	EF-K612	VFD			
5	EF-K622	VFD			
6	P-K666	MMC			
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8					
9					
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11					
12					
13					
14					
15					
16					
NOTES	1. SWITCH DEDICATED TO HVAC EQUIPMENT.				

REFERENCE DRAWINGS	DESCRIPTION
1-0102-ESLD-K003	SINGLE LINE DIAGRAM, MCC-K730 & MCC-K740
1-0102-ESLD-K002	SINGLE LINE DIAGRAM, MCC-K720
1-0102-ESLD-K001	SINGLE LINE DIAGRAM, MCC-K710
1-0102-ABDG-K001	CONTROL SYSTEM ARCHITECTURE

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

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

CH2MHILL.
SNC·LAVALIN
KGS GROUP

DESIGNED BY: P. CHICATUN	CHECKED BY: T. CHURCH
DRAWN BY: M. WANG	APPROVED BY: E. RYCZKOWSKI
SCALE: NTS	ISSUED FOR CONSTRUCTION BY: J. SHUMKA
DATE: 2015/02/13	DATE: 2017/04/05
CONSULTANT NO.: 474248	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
CHICATUN
Member
30307
REGISTERED PROFESSIONAL ENGINEER
APR. 4, 2017
REV. 00

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
SEWPCC UPGRADING/EXPANSION PROJECT
AUTOMATION – NETWORK DIAGRAM
HIGH RATE CLARIFICATION BUILDING
DEVICE NETWORK

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0102-ANET-K003	004	00	A1

LAST SAVE: 2017/04/01 – 2:16pm
PATH: C:\pw_workdir\ch2mhill_wbg\sh043264\d0356391\1-0102-ANET-K003-004.dwg

PLOT DATE: Apr 01, 2017 – 2:16pm

FILE NAME:1-0102-ANET-K003-004.dwg