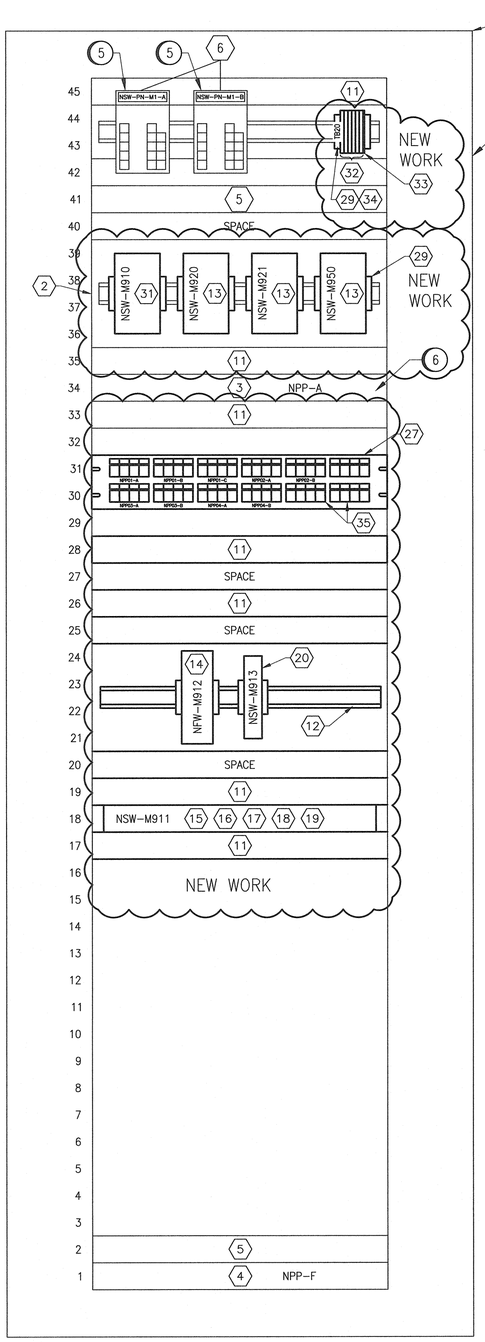
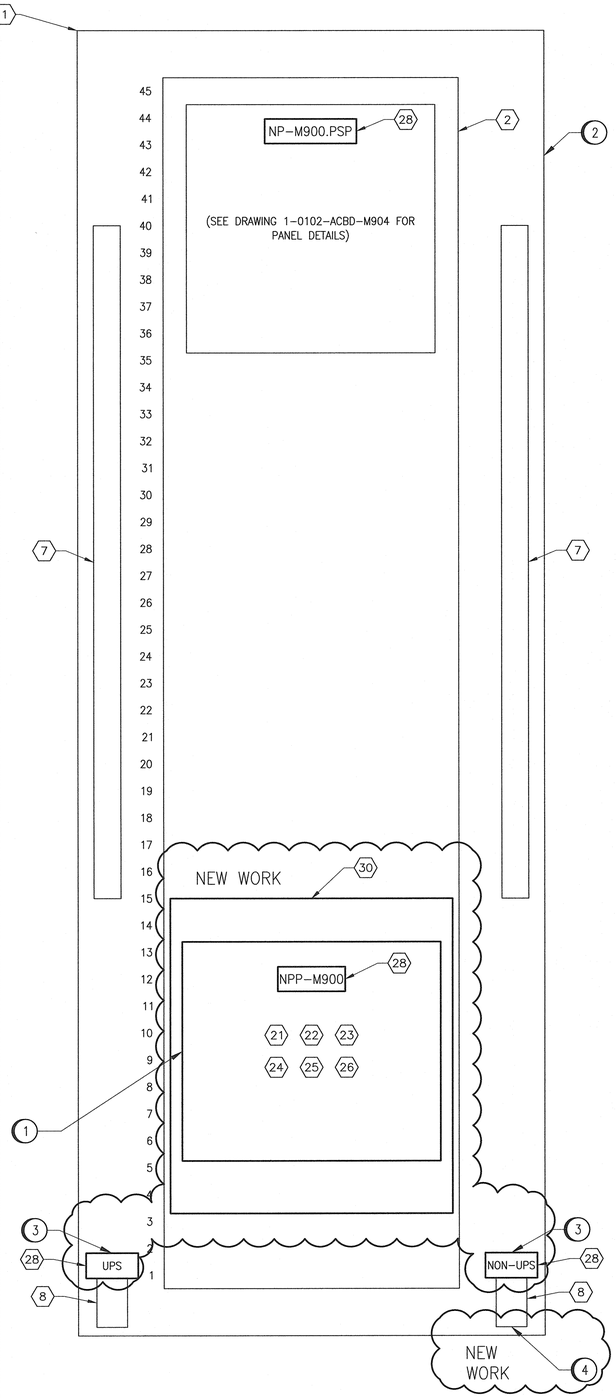
A1 SIZE – 594mm x 841mm



FRONT PANEL VIEW

1 : 5



REAR PANEL VIEW

1 : 5

EXISTING

BILL OF MATERIAL

ITEM	QTY.	DESCRIPTION	MANUFACTURER	CATALOG NO.
1	1	NETWORKING CABINET, 84"x30"x32", WITH DOORS – FRONT AND REAR, AND RAILS – FRONT AND REAR	HUBBELL	H2N8432
2	2	ADJUSTABLE DIN RAIL FRAME	STARTECH	ADJDINKIT
3	1	PATCH PANEL, CAT6, 24 PORTS	HUBBELL	P624U
4	1	PATCH PANEL, FIBER, WITH 3x6 CONNECTOR FSP ADAPTOR PANEL	HUBBELL	FPR3SP FSPLC6
5	4	WIRE MANAGEMENT	HUBBELL	–
6	2	ETHERNET SWITCH, 9G PORTS WITH 2x1000 BASE-SX SFP MODULES	MOXA	EDS-G509 SFP-1GSXLC
7	2	POWER STRIP, VERTICAL	HUBBELL	PR104
8	2	OUTLET BOX, SINGLE GANG	–	–

NEW WORK

BILL OF MATERIAL

ITEM	QTY	DESCRIPTION	MANUFACTURER	CATALOG NUMBER
11	6	CABLETEK HORIZONTAL CABLE MANAGER	HOFFMAN	DCHS1
12	1	ADJUSTABLE DIN RAIL FRAME	STARTECH	ADJDINKIT
13	3	ETHERNET SWITCH, MANAGED, 8 COPPER GIGABIT PORTS, 4 FIBRE GIGABIT PORTS WITH LC SFP MODULES	MOXA	EDS-G512E-4GSFP SFP-1GSXLC(3)
14	1	3 PORTS(LAN/DMZ/WAN) INDUSTRIAL SECURE ROUTER WITH FIREWALL/NAT/VPN	MOXA	EDR-G903
15	1	STAND ALONE RACK MOUNT L3 SWITCH, MANAGED, WITH LAYER 3 IP SERVICES FEATURE SET	CISCO	WS-C3650-24TS-E
16	1	1RU RACK MOUNT KIT	CISCO	RACK-KIT-T1
17	1	120 VAC REDUNDANT POWER SUPPLY	CISCO	PWR-C2-250WAC
18	1	FAN MODULE REDUNDANT	CISCO	C3850-FAN-T1
19	2	POWER CORDS	CISCO	CAB-TA-NA
20	1	ETHERNET SWITCH, UNMANAGED, 5 GIGABIT PORTS	MOXA	EDS-G205-1GTXSFP
21	1	WALL-MOUNTABLE CONNECTOR HOUSING FOR 6 CCHS	CORNING	WCH-06P
22	1	LOCK KIT WITH HARDWARE	CORNING	CCHA-LOCK-KIT
23	3	CLOSET CONNECTOR HOUSING PIGTAIL CASSETTE LOADED WITH CCH PANEL AND FACTOR TERMINATED PIGTAILS 24F, LC DUPLEX, OM3, SIGNLE FIBRE SPLICING	CORNING	CCH-CS24-E4-P00TE
24	AS REQUIRED	LOW LOSS FIBRE OPTIC PATCH CORD, 2 FIBRES, LC DUPLEX TO LC DUPLEX, 50 μm MULTIMODE (OM3), 1/2/3 METERS ZIPCORD TIGHT-BUFFERED CABLE, RISER WITH 2.0 mm LEGS	CORNING	E050502T5120001M E050502T5120002M E050502T5120003M
25	AS REQ'D	FUSION SPLICE PROTECTOR, 60 mm LONG, HEAT SHRINK SLEEVE AND SS ROD	CORNING	2806031-01
26	AS REQ'D	MOUNTING ACCESSORIES AS REQUIRED	CORNING	–
27	1	48-PORT ALL METAL MODULAR PATCH PANEL WITH STRAIN RELIEF BAR, 2 RU	PANDUIT	CP48WSBLY
28	AS REQ'D	LAMACOID	–	–
29	AS REQ'D	TERMINAL END CLAMP – CLIPFIX 35	PHOENIX CONTACT	3022218
30	–	–	–	–
31	1	ETHERNET SWITCH, MANAGED, 12 COPPER GIGABIT PORTS, 4 FIBRE GIGABIT PORTS WITH LC SFP MODULES	MOXA	EDS-G516E-4GSFP SFP-1GSXLC(3)
32	AS REQ'D	DOUBLE LEVEL FEED-THROUGH TERMINAL – UTTB 4	PHOENIX CONTACT	3044814
33	AS REQ'D	DOUBLE LEVEL TERMINAL END PLATE – D-UTTB 2,5/4	PHOENIX CONTACT	3047293
34	AS REQ'D	TERMINAL BLOCK MARKER – KLM-A	PHOENIX CONTACT	1004348
35	48	CAT 6, RJ45, 8-POSITION, 8-WIRE UNIVERSLA SHIELDED BLACK MODULE WITH INTEGRAL SHIELD	PANDUIT	CJS688TGY

SPECIFIC NOTES:

1. INSTALL BACK PLATE IN CABINET AND MOUNT NPP-M900 ON BACK PLATE.
2. REPLACE IDENTIFICATION LAMACOIDS FOR NP-M900 ON FRONT AND REAR DOORS.
3. INSTALL LAMACOIDS.
4. REMOVE EXISTING WIRING AND RECONNECT OUTLET BOX TO NON-UPS PANEL PNL-1C CCT.41.
5. REMOVE NETWORK SWITCHES AFTER DCS MIGRATION IS COMPLETE.
6. MOVE PATCH PANEL NPP-A TO RU 34.

GENERAL NOTES:

1. MODIFY EXISTING PANEL NP-M1 AS REQUIRED FOR THE NEW LAYOUT SHOWN. RENAME PANEL TO NP-M900.
2. PANEL REQUIRES INSPECTION BY OFFICE OF FIRE COMMISSIONER FOR SPECIAL ACCEPTANCE.
3. WHERE MANUFACTURER AND MODEL ARE SPECIFIED, SUBSTITUTIONS MUST BE APPROVED.
4. ALL POWER WIRING TO BE TEW/MTW 300V, 105°C INSULATION, STRANDED COPPER, 12 AWG.
5. TEST ALL WIRING AND COMPONENTS FOR FUNCTIONAL OPERATION, CORRECT CONNECTION, CONTINUITY AND INSULATION INTEGRITY.
6. ALL MAJOR COMPONENTS INSIDE THE PANEL ARE TO BE LABELED WITH LAMACOIDS IN ACCORDANCE WITH MAJOR DESCRIPTIONS ON THE DRAWINGS.
7. PROVIDE WIRE BARREL FERULES FOR WIRING WHERE POSSIBLE.
8. MARK ALL WIRES AS SHOWN ON THE DRAWINGS.
9. PANEL MANUFACTURER TO PROVIDE ALL INTERNAL COMMUNICATION CABLES AS SHOWN ON SEGMENT AND NETWORK DIAGRAMS.

NOTES:

1. THIS DRAWING SUPERSEDES EXISTING DRAWING 1-0102M-A0015.
2. THIS DRAWING IS BASED UPON EXISTING INFORMATION AND MAY NOT REPRESENT THE ACTUAL INSTALLATION.

1:5 50 0 100 200

REFERENCE DRAWINGS	DESCRIPTION
1-0102M-A0015	PANEL LAYOUT, NP-M1

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

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

CH2MHILL. SNC·LAVALIN KGS GROUP

DESIGNED BY: M. WANG
CHECKED BY: P. CHICATUN
DRAWN BY: M. WANG
APPROVED BY: E. RYCZKOWSKI
SCALE: AS SHOWN
ISSUED FOR CONSTRUCTION BY: J. SHUMKA
DATE: 2015/07/06
DATE: 2017/04/05
CONSULTANT NO.: 474248

ENGINEER'S SEAL: PROVINCE OF MANITOBA, P. D. CHICATUN, Member 30307, REGISTERED PROFESSIONAL ENGINEER, APR. 5, 2015, REV. 00

Winnipeg THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
SEWPCC UPGRADING/EXPANSION PROJECT
AUTOMATION – CABINET LAYOUT
ADMINISTRATION BUILDING
NP-M900 NETWORK CABINET

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0102-ACBD-M903	001	00	A1

LAST SAVE: 2017/04/01 – 10:27am
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PLOT DATE: Apr 01, 2017 – 10:27am
FILE NAME: 1-0102-ACBD-M903-001.dwg