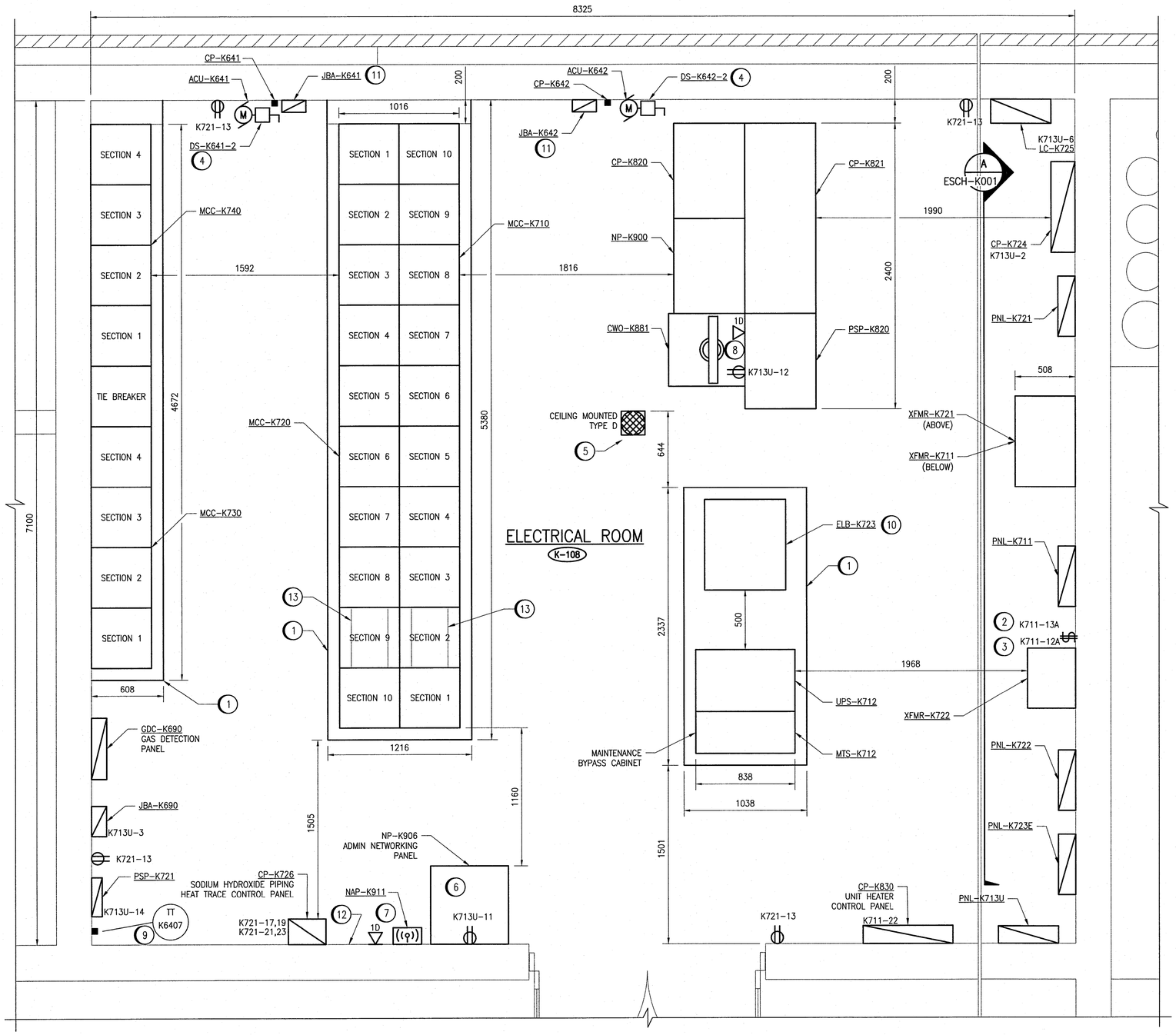
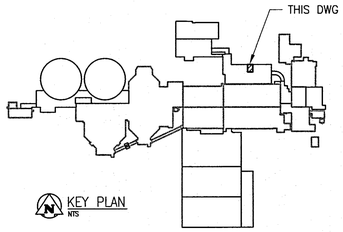
A1 SIZE – 594mm x 841mm





GENERAL NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE EXACT SIZE OF ALL ELECTRICAL EQUIPMENT WITH THE VENDOR SHOP DRAWINGS AND THE CONCRETE SUBCONTRACTOR PRIOR TO POURING THE CONCRETE HOUSEKEEPING PADS.
2. ALL WIRING ASSOCIATED WITH RECEPTACLES WILL BE RUN IN CONDUIT.
3. THERE ARE STRUCTURAL EXPANSION JOINTS IN THE FACILITY (NOT SHOWN ON ELECTRICAL). PROVIDE EXPANSION COUPLINGS AND FITTINGS FOR ALL CONDUIT CROSSING THE JOINTS. DO NOT LOCATE RIGID DEVICES ACROSS OR ON TOP OF THE EXPANSION JOINTS.
4. EQUIPMENT WITH NO CIRCUIT NUMBERS SHOWN ARE TO BE FED FROM THE 600VAC MCC. TYPICAL.
5. ALL CONDUIT SHALL BE RIGID, THREADED ALUMINUM CONDUIT, EXCEPT FOR CONDUIT RUN WITHIN THE ELECTRICAL ROOM WHERE EMT CAN BE USED. THE ELECTRICAL ROOM IS NON-HAZARDOUS AND PRESSURIZED.
6. TEST AND ADJUST THE AUDIBILITY OF THE PUBLIC ADDRESS SYSTEM TO BEST SUIT THE SPACE.

SPECIFIC NOTES:

1. PROVIDE HOUSEKEEPING PAD 89mm HIGH, EXTEND 100mm ON EACH SIDE OF THE EQUIPMENT WITH 19mm CHAMFERED EDGES. PROVIDE REINFORCEMENT AND ANCHOR PAD TO FLOOR SLAB.
2. OUTDOOR RECEPTACLE SWITCH. PROVIDE LAMACOID ABOVE SWITCH INDICATING CIRCUIT IDENTIFIER "K711-13A" AND RECEPTACLE DESCRIPTION. RECEPTACLE DESCRIPTION WILL INDICATE "EXTERIOR RECEPTACLES NORTH-WEST OF BUILDING".
3. OUTDOOR RECEPTACLE SWITCH. PROVIDE LAMACOID ABOVE SWITCH INDICATING CIRCUIT IDENTIFIER "K711-12A" AND RECEPTACLE DESCRIPTION. RECEPTACLE DESCRIPTION TO INDICATE "EXTERIOR RECEPTACLES NORTH-EAST OF BUILDING".
4. LOCATE DISCONNECTS SWITCHES FOR AIR CONDITIONING UNITS AND EQUIPMENT SUCH THAT PANELBOARD AND MCC CLEARANCES MEET CODE. PROVIDE POWER FROM ASSOCIATED CONDENSING UNIT IN SERVICE GALLERY. REFER TO WIRING DIAGRAM ON DRAWING 1-0102-EWDG-K001.
5. PROVIDE CEILING MOUNTED SPEAKER ASSOCIATED WITH FACILITY PUBLIC ADDRESS SYSTEM. SPEAKER SHALL BE SURFACE MOUNTED COMPLETE WITH BACKBOX. MOUNT SPEAKER CLEAR OF OBSTRUCTIONS. REFER TO DRAWING ESCH-K001 FOR SPEAKER AND BACKBOX MODEL. PROVIDE CABLING AND CONDUIT. CONNECT TO PUBLIC ADDRESS SYSTEM. REFER TO DRAWING EWDG-A001. TYPICAL
6. PROVIDE ADMIN NETWORKING PANEL NP-K906 AND INSTALL DUPLEX RECEPTACLE INSIDE OF PANEL FED FROM UPS POWER (CIRCUIT SHOWN ON DWG). PROVIDE OM3 FIBRE PATCH CORDS WITH LC CONNECTORS IN CONDUIT FOR ADMIN AND SECURITY NETWORKS (8 FIBRES TOTAL) FROM PROCESS NETWORK PATCH PANEL NPP-K900 (LOCATED IN NP-K900) TO ADMIN NETWORKING PANEL.
7. THE NETWORK ACCESS POINT (NAP-K911) DEVICE TO BE MOUNTED 150mm BELOW THE CEILING. PROVIDE DATA RECEPTACLE FOR NAP-K911 C/W CAT6 CABLING TO ADMIN NETWORKING PANEL NP-K906.
8. PROVIDE DATA RECEPTACLE C/W CAT6 CABLING TO AUTOMATION NETWORK SWITCH LOCATED IN NETWORK CABINET NP-K900. PROVIDE AND INSTALL RECEPTACLE FED FROM UPS POWER (CIRCUIT SHOWN ON DRAWING).
9. REFER TO DWG. AILD-K614 FOR TEMPERATURE TRANSMITTER LOOP DIAGRAM.
10. PROVIDE 4.5 kVA (30 MIN RUNTIME) LUMACELL ARGES CENTRAL BATTERY SYSTEM. REFER TO SPECIFICATION 26 52 02 FOR DETAILS.
11. MOUNT JUNCTION BOX ABOVE THE TOP OF MCC AND CONTROL PANEL ELEVATION.
12. ENSURE DESIGNATED AREA (724mm x 648mm) ADJACENT TO NP-K906 IS CLEAR TO ACCOMMODATE SWING OF PANEL.
13. FLOOR OPENINGS PROVIDED UNDER CONTRACT C2, FOR MAIN POWER CABLE ENTRY ONLY. VERIFY LOCATIONS AND DIMENSIONS ON CONTRACT C2 DRAWINGS AND BASED ON AS-BUILT CONDITIONS. PROVIDE ADDITIONAL OPENINGS AS REQUIRED. PROVIDE SEAL/FIRE STOP AT FLOOR PENETRATIONS.

REFERENCE DRAWINGS	DESCRIPTION
1-0102-ECBD-K003	MCC-K730 AND MCC-K740 LAYOUT AND SCHEDULE
1-0102-ECBD-K002	MCC-K720 LAYOUT AND SCHEDULE
1-0102-ECBD-K001	MCC-K710 LAYOUT AND SCHEDULE
1-0102-EAAA-A001	ELECTRICAL, LEGEND AND DETAILS

1:20 200 0 400 800

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. KGS GROUP SNC·LAVALIN

DESIGNED BY: V. ELIMBAN	CHECKED BY: E. RYCZKOWSKI
DRAWN BY: MJ. PERSSON	APPROVED BY: D. BECKER
SCALE: 1:20	ISSUED FOR CONSTRUCTION BY: J. SHUMKA
DATE: 2015/01/13	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 – POWER LAYOUT
HIGH RATE CLARIFICATION BUILDING
ELECTRICAL ROOM

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0102-EGAD-K001	001	00	A1

LAST SAVE: 2017/03/24 – 9:40am
PATH: C:\DWG\1-0102-EGAD-K001.dwg

PLOT DATE: Mar 24, 2017 – 9:40am

FILE NAME: 1-0102-EGAD-K001.dwg