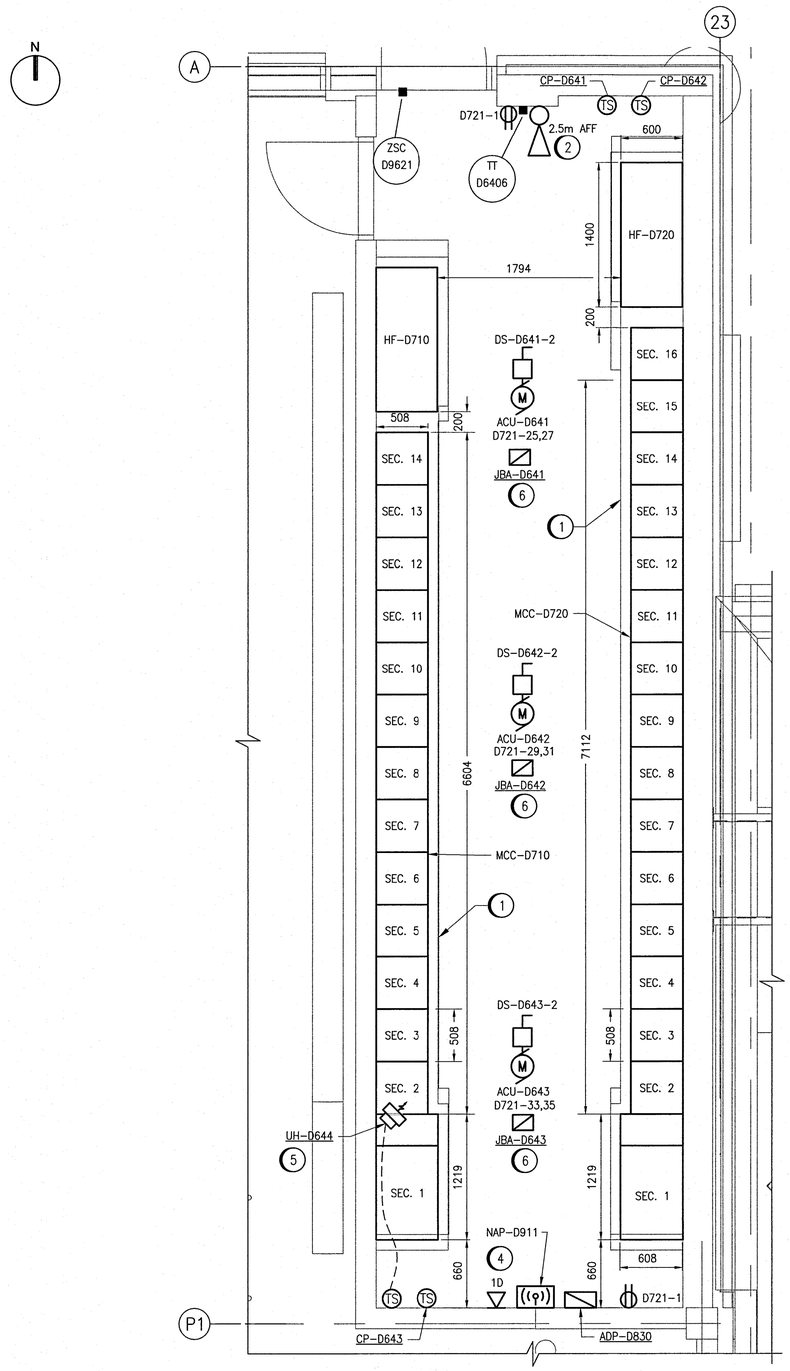
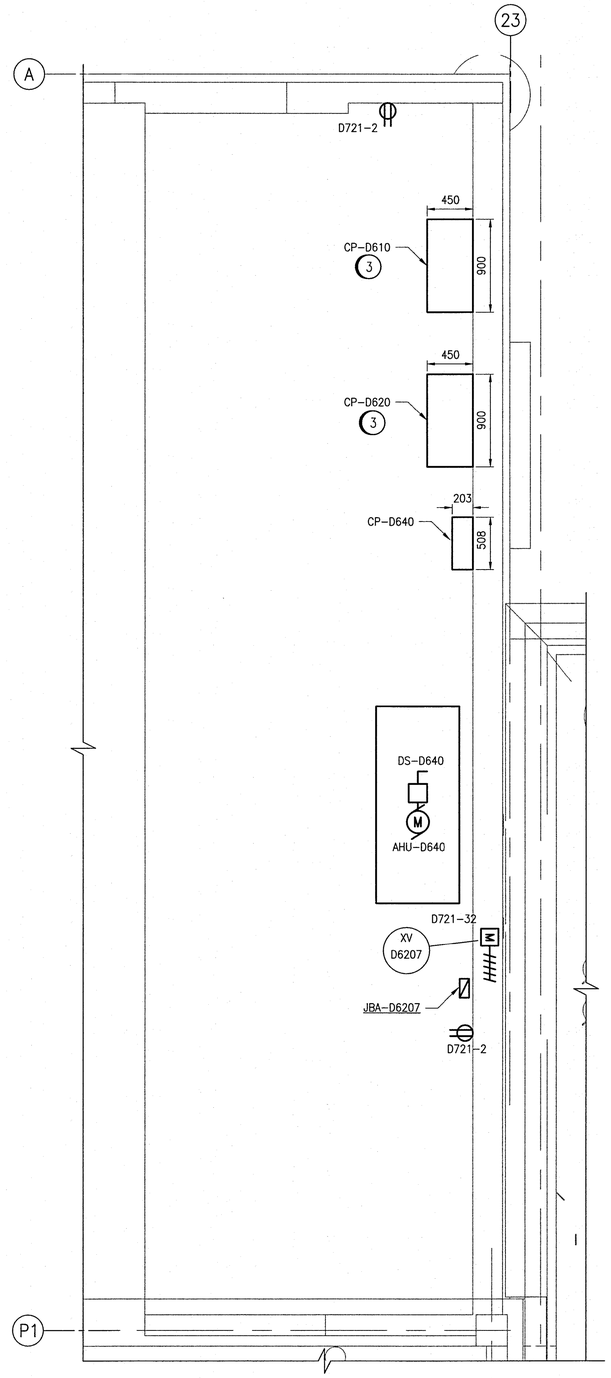
A1 SIZE – 594mm x 841mm



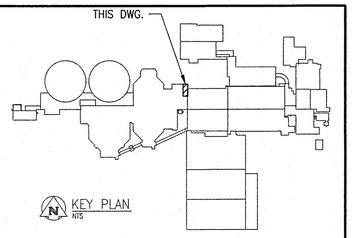
ELECTRICAL ROOM A (D-102)

1 : 30



MECHANICAL PLATFORM (D-103)

1 : 30



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 PAD.
2. ALL WIRING ASSOCIATED WITH RECEPTACLES TO 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 600 VAC MCCs. TYPICAL.
5. ALL CONDUIT SHALL BE RIGID, THREADED ALUMINUM CONDUIT, EXCEPT FOR CONDUIT RUN WITHIN THE ELECTRICAL ROOM. THE ELECTRICAL ROOM IS NON-HAZARDOUS AND PRESSURIZED.
6. TEST AND ADJUST THE AUDIBILITY OF THE PUBLIC ADDRESS SYSTEM TO BEST SUIT THE SPACE.
7. ALL EQUIPMENT SHOWN ON THIS DRAWING IS NEW AND IS TO BE PROVIDED BY THE CONTRACTOR.

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. PROVIDE 15 WATT SPEAKER (MODEL: TOA, SC-615T) ASSOCIATED WITH FACILITY PUBLIC ADDRESS SYSTEM. DIAL SPEAKER SETTING TO 10 WATTS. MOUNT SPEAKER AT HEIGHT INDICATED AND CLEAR OF OBSTRUCTIONS. PROVIDE CABLING AND CONDUIT. CONNECT TO EXISTING PUBLIC ADDRESS SYSTEM, POWER AMPLIFIER 1, CHANNEL 4. REFER TO DRAWING EWDG-A001. TYPICAL
3. CONTROL PANEL FOR ROOFTOP AIR HANDLING UNIT COMPLETE WITH VFD. PROVIDE ALL WIRING/CABLING REQUIRED BY THE AIR HANDLING UNIT VENDOR FOR OPERATION OF THEIR PACKAGED SYSTEM AS PER VENDOR PROVIDED SHOP DRAWINGS. COORDINATE WITH VENDOR AS REQUIRED TO INCLUDE ALL COSTS AT TIME OF TENDER. PROVIDE WIRE AND CABLE IDENTIFICATION CONSISTENT WITH THE CITY'S IDENTIFICATION STANDARD. WIRING/CABLING TO BE ARMOURED CABLE UNLESS OTHERWISE APPROVED BY THE CONTRACT ADMINISTRATOR.
4. PROVIDE NETWORK ACCESS POINT (NAP-D911). DEVICE TO BE MOUNTED 150mm BELOW THE CEILING. PROVIDE DATA RECEPTACLE FOR NAP-D911 C/W CAT6 CABLING TO ADMIN NETWORKING PANEL NP-S906. REFER TO AGAD-S001 FOR LOCATION.
5. REFER TO DRAWING EWDG-D003 FOR WIRING DIAGRAM OF UH-D644.
6. PROVIDE JUNCTION BOX ASSOCIATED WITH AIR CONDITIONING UNIT ON THE ELECTRICAL ROOM CEILING NEAR THE UNIT. REFER TO DRAWINGS EWDG-D001, AILD-D641, AILD-D642, AND AILD-D643 FOR WIRING DETAILS.

REFERENCE DRAWINGS	DESCRIPTION
1-0102-EAAA-A001	ELECTRICAL, LEGEND AND DETAILS

1:30 300 0 600 1200

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

DESIGNED BY: V. ELIMBAN	CHECKED BY: E. RYCZKOWSKI
DRAWN BY: MJ. PERSSON	APPROVED BY: D. BECKER
SCALE: 1:30	ISSUED FOR CONSTRUCTION BY: J. SHUMKA
DATE: 2014/12/04	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
FERMENTERS/THICKENERS
ELECTRICAL ROOM A AND MECHANICAL PLATFORM

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0102-EGAD-D001	001	00	A1

LAST SAVE: 2017/03/24 – 2:21pm
PATH: C:\Users\persm2\DWG\1-0102-EGAD-D001.dwg

PLOT DATE: Mar 24, 2017 – 2:21pm

FILE NAME:1-0102-EGAD-D001.dwg