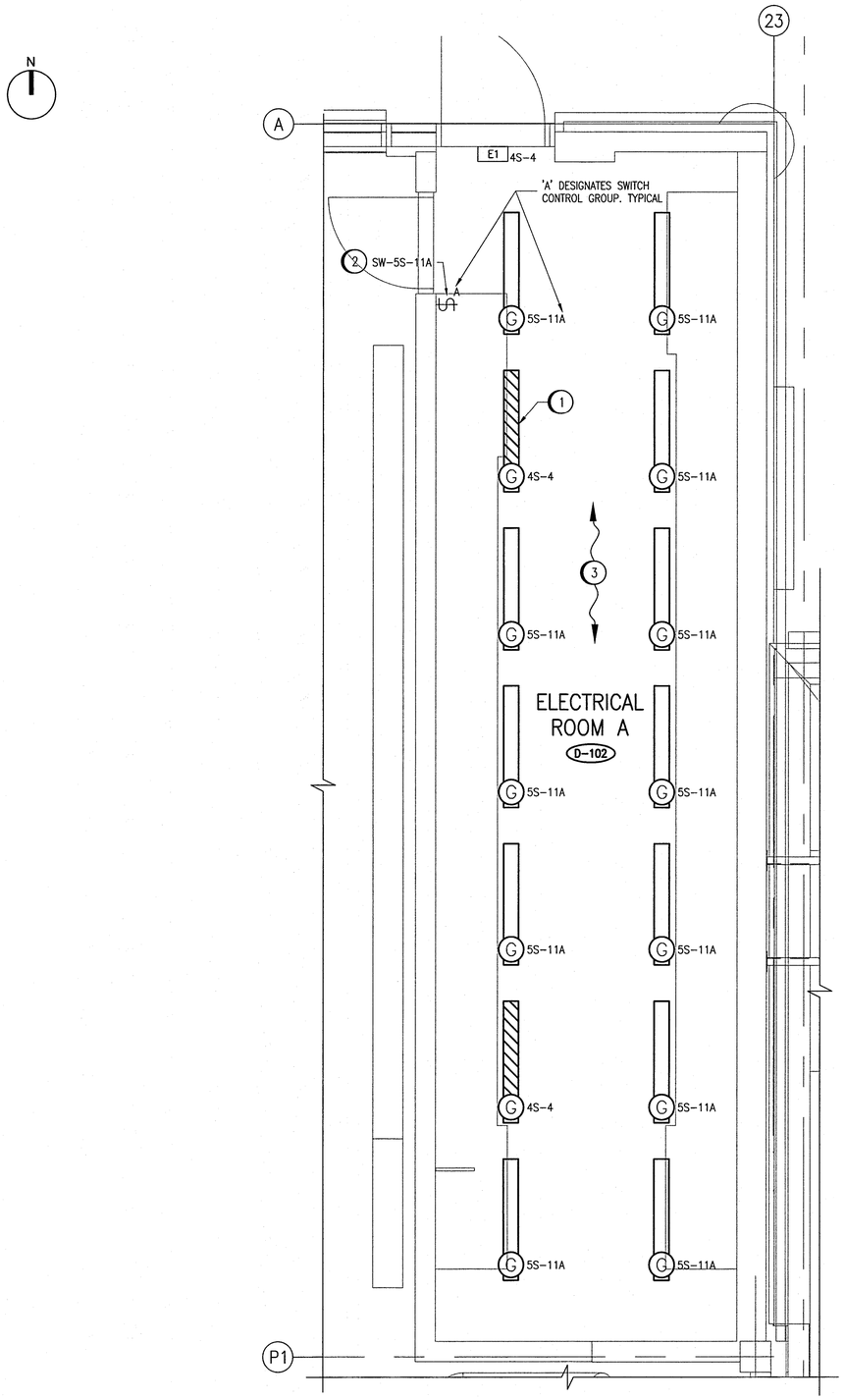
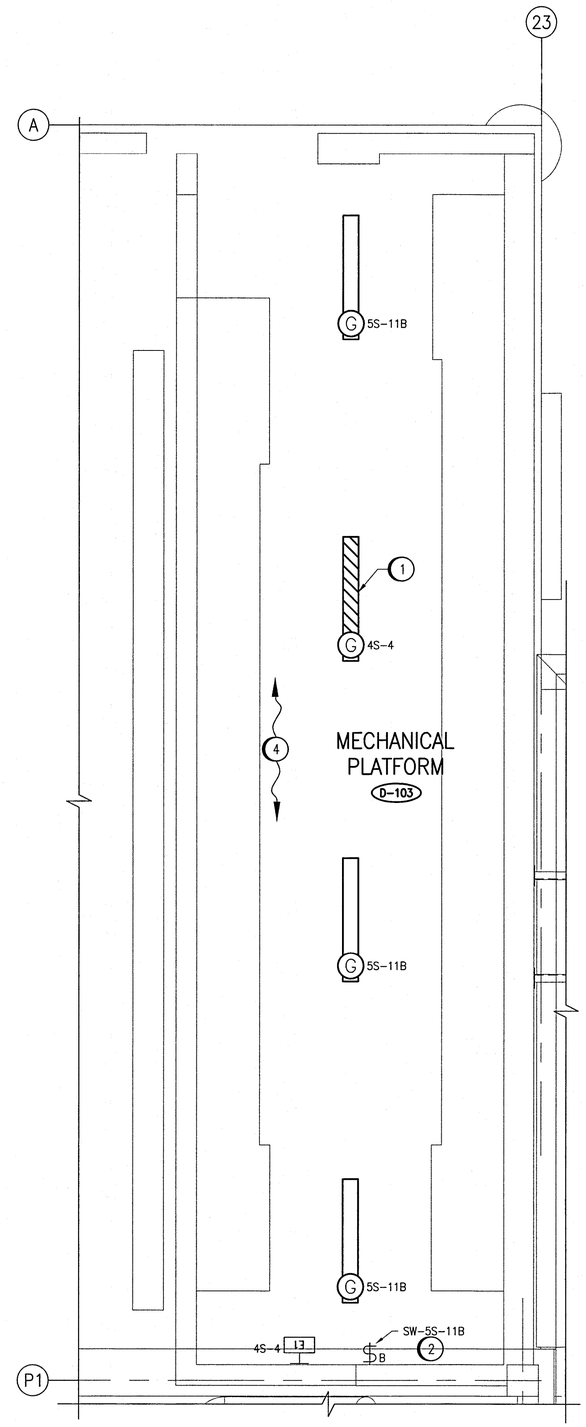
A1 SIZE – 594mm x 841mm



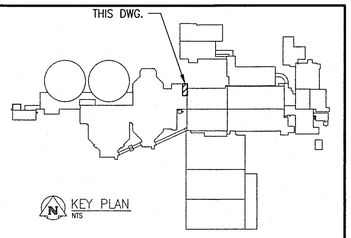
ELECTRICAL ROOM 'A' PLAN

1 : 30



MECHANICAL PLATFORM PLAN

1 : 30



GENERAL NOTES:

1. THERE ARE STRUCTURAL EXPANSION JOINTS IN THE FACILITY (NOT SHOWN ON ELECTRICAL). PROVIDE EXPANSION COUPLINGS AND FITTING FOR ALL CONDUIT CROSSING THE JOINTS. DO NOT LOCATE RIGID DEVICES ACROSS OR ON TOP OF THE EXPANSION JOINTS.
2. WIRING SHALL BE RW90 RUN IN CONDUIT C/W ALL FITTINGS, ACCESSORIES, SUPPORTS, ETC AS REQUIRED. CONDUIT SHALL BE SOLIDLY SECURED TO BUILDING STRUCTURE OR CANTRUSS SUPPORTS.
3. ALL CONDUIT SHALL BE RIGID, THREADED ALUMINUM CONDUIT, EXCEPT FOR CONDUIT RUN WITHIN THE ELECTRICAL ROOM. THIS ROOM IS NON–HAZARDOUS AND PRESSURIZED.
4. LUMINAIRES ARE SHOWN AT THEIR APPROXIMATE LOCATION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE EQUIPMENT AND DEVICE LOCATIONS IN ORDER TO ENSURE THAT EACH LUMINAIRE IS APPROPRIATELY PLACED AND THAT EACH LUMINAIRE DOES NOT CONFLICT WITH OTHER SYSTEMS OR DEVICES. THE E.C SHALL ENSURE THAT EACH LUMINAIRE IS NOT OBSTRUCTED. ADJUST THE LOCATIONS AS REQUIRED.
5. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO UNDERSTAND THE CLASSIFICATIONS (CLASS I, ZONE 1 / CLASS I, ZONE 2 / UN–RATED / WET) OF THE ROOM / SPACE / LOCATION AND TO PROVIDE ALL DEVICES, MATERIALS AND INSTALLATION IN COMPLIANCE WITH THE CLASSIFICATION OF THE SPACE. REFER TO DRAWINGS EHLC–D001, EHLC–D002, EHLC–D003 FOR THE CLASSIFICATION OF EACH AREA / ROOM.
6. LUMINAIRES SHALL EACH BE SOLIDLY SECURED AND INSTALLED. SUSPENDED FROM THE CEILING LUMINAIRES SHALL BE RIGIDLY AFFIXED TO CANTRUSS MEMBERS, SECURED FROM THE CEILING VIA THREADED ROD SUPPORTS. LOOSE HANGING OR SWINGING LUMINAIRES ARE NOT ACCEPTABLE.
7. LIGHT SWITCHES SHALL BE TAGGED (WITH A HARD PLASTIC LAMACOID NAMEPLATE) TO INDICATE THE CIRCUIT NUMBER, AND WHAT AREA EACH LIGHT SWITCH CONTROLS.
8. PROVIDE ALL REQUIRED LUMINAIRE / EXIT LIGHT MOUNTING KITS TO SUIT THE CONSTRUCTION. NOT ALL MOUNTING KITS / HARDWARE ARE SPECIFICALLY INDICATED.
9. ALL LUMINAIRES TO BE HARDWIRED, AND THE INSTALLATION SHALL BE A MINIMUM OF NEMA 4X RATED (WATERTIGHT) AND CORROSION RESISTANT – OR HIGHER TO SUIT THE AREA.

SPECIFIC NOTES:

1. LUMINAIRE TO BE UN–SWITCHED ON ESSENTIAL LIGHTING CIRCUIT. TYPICAL.
2. SINGLE POLE, LINE VOLTAGE RATED, MAINTAINED, TOGGLE STYLE LIGHT SWITCH.
3. LUMINAIRES IN THE ELECTRICAL ROOM 'A' TO BE STEM HUNG AT APPROXIMATELY 3000mm AFF.
4. LUMINAIRES IN THE MECHANICAL PLATFORM TO BE STEM HUNG AT APPROXIMATELY 1900mm ABOVE PLATFORM. PROVIDE LUMINAIRE WITH WIRE GUARD FOR MECHANICAL PROTECTION.

REFERENCE DRAWINGS	DESCRIPTION
1–0102–ESCH–A002	SCHEDULE, LUMINAIRE AND EXIT SIGNS

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	SLJ	DEB

CH2MHILL. SNC·LAVALIN KGS GROUP

DESIGNED BY: S. JUGANAS	CHECKED BY: E. RYCZKOWSKI
DRAWN BY: S. JUGANAS	APPROVED BY: D. BECKER
SCALE: 1:30	ISSUED FOR CONSTRUCTION BY: J. SHUMKA
DATE: 2016/06/28	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 – LIGHTING LAYOUT
FERMENTERS/THICKENERS
ELECTRICAL ROOM A AND MECHANICAL PLATFORM

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1–0102–ELTG–D001	001	00	A1

PLOT DATE: Mar 28, 2017 – 2:44pm
FILE NAME: 1–0102–ELTG–D001.dwg

LAST SAVE: 2017/03/28 – 2:44pm
PATH: M:\614099\4ENG\47ELE\DD – General DWG\REV\2017-04-05 Issued for Construction – 976-2016\D Fermenters-thickeners\DWG\1-0102-ELTG-D001.dwg