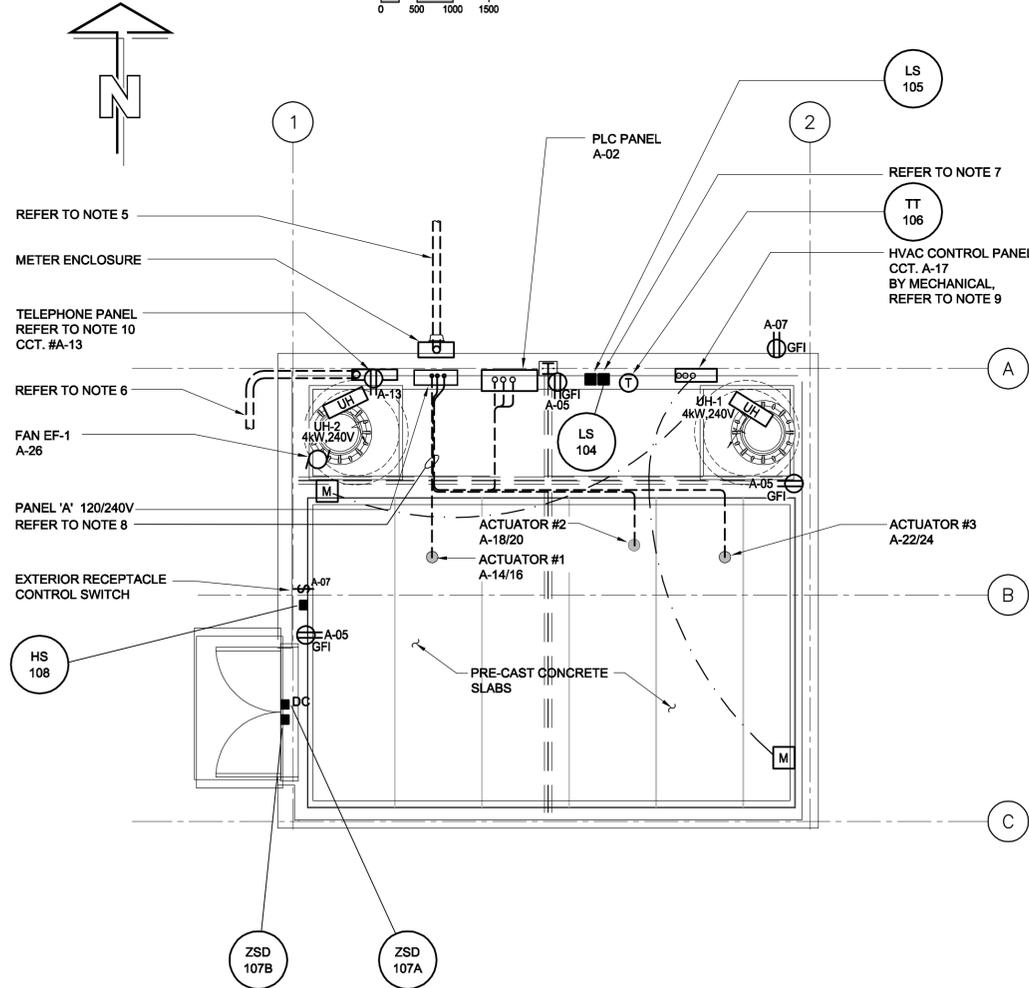


FLOOR PLAN - LIGHTING

0 500 1000 1500 mm SCALE 1:50



FLOOR PLAN - POWER

0 500 1000 1500 mm SCALE 1:50

PANEL 'A' SCHEDULE									
CCT NO	DESCRIPTION	LOAD	TRIP AMPS	N AB	TRIP AMPS	LOAD	DESCRIPTION	CCT NO	
01	INTERIOR LIGHTING	700	15A		15A	1000	PLC PANEL	02	
03	EXTERIOR LIGHTING	70	15A		15A		SPARE	04	
05	RECEPTACLES	500	15A		20A	4000	UNIT HEATER UH-1	06	
07	RECEPTACLES	500	15A		2P			08	
09	TVSS		30A		2P	4000	UNIT HEATER UH-2	10	
11					2P			12	
13	TELEPHONE PANEL		15A		50A	500	ACTUATOR #1	14	
15	SPARE		15A		2P			16	
17	HVAC CONTROL PANEL		15A		20A	500	ACTUATOR #2	18	
19	SPARE		15A		2P			20	
21	SPACE				50A	500	ACTUATOR #3	22	
23	SPACE				2P			24	
25	SPACE				15A	107	EXHAUST FAN F-1	26	
27	SPACE						SPACE	28	
29	SPACE						SPACE	30	

VOLTAGE: 120/240V PHASE: 1 Ø WIRE: 3 BREAKER I.C.: 10 kA
 MAIN BREAKER: 200A MAINS: 225A FEEDER: -
 MOUNTING: SURFACE LOCATION: BUILDING INTERIOR CONNECTED LOAD: 12,377 WATTS
 FED FROM: EXTERIOR TRANSFORMER
 NOTES: 1. PANEL IS SERVICE ENTRANCE RATED.
 2. PANEL COMES WITH INTEGRAL TVSS.

LUMINAIRE SCHEDULE					
TYPE	MANUFACTURER	CAT. NO.	LAMP	VOLTAGE	REMARKS
A	LITHONIA	DM 232 120 GEB101S	2 x 32W T-8	120V 1Ø	INSTANT START ENCLOSED FIBREGLASS FLUORESCENT LUMINAIRE
B	LITHONIA	TWRIC 70M 120 CSA PE TWRICWG FCV	1 x 70W MH	120V 1Ø	MINI WALL PACK WITH VERTICAL CUT-OFF, INTEGRAL PHOTOCCELL AND WIREGUARD
C	RAB LIGHTING	VXBR 200G	1 x 100W INCAND.	120V 1Ø	VAPOUR TIGHT FIXTURE DIE CAST ALUMINUM GUARD AND HEAT TREATED GLOBE

- NOTES**
- ELECTRICAL EQUIPMENT SHALL BE INSTALLED TO ALLOW REMOVAL OF PRE-CAST CONCRETE SLABS.
 - TYPE 'A' FIXTURES SHALL BE MOUNTED AT 2100mm AFF.
 - TYPE 'C' FIXTURES SHALL BE MOUNTED AT 2100mm AFF OF UNDERGROUND VALVE CHAMBER.
 - ALL LUMINAIRES SHALL BE INSTALLED WITH LAMPS
 - METER ENCLOSURE AND UNDERGROUND 50mm PVC CONDUIT STUB-UP SHALL BE SUPPLIED AND INSTALLED UNDER THIS CONTRACT. MANITOBA HYDRO WILL SUPPLY 3-350MCM CONDUCTORS IN TRENCH AND TERMINATE AT METER BOX. CONTRACTOR SHALL SUPPLY AND INSTALL 21mm x 3000 COPPER CLAD GROUND RODS AND GROUND CONDUCTOR TO PANEL A.
 - TELEPHONE 25mm PVC CONDUIT TO PROPERTY LINE SHALL BE SUPPLIED AND INSTALLED UNDER THIS CONTRACT.
 - FLOOD SWITCH TO BE MOUNTED 75mm AFF OF UNDERGROUND VALVE CHAMBER.
 - ACTUATOR CABLES SHALL BE FASTENED TO THE UNDERSIDE OF CONCRETE SLABS BY CABLE CLAMPS.
 - REFER TO MECHANICAL DRAWINGS FOR HVAC CONTROL WIRING. HVAC CONTROL PANEL SUPPLIED BY MECHANICAL CONTRACTOR. MOTORIZED DAMPER 120 VAC WIRING TO CONTROL PANEL BY ELECTRICAL CONTRACTOR.
 - TELEPHONE PANEL SHALL BE A 455x305x102 TYPE 1 TELEPHONE CABINET - HOFFMAN MODEL ATC181243 C/W INTERIOR WOOD BACK PANEL. PANEL SHALL INCLUDE 6 PAIR BIX TERMINAL BLOCK. SUPPLY DUPLEX RECEPTACLE IN TELEPHONE PANEL FOR MODEM (BY OTHERS). SUPPLY AND INSTALL #6 AWG INSULATED GREEN TW WIRE FROM PANEL 'A' GROUND BUS TO GROUND LUG IN TELEPHONE PANEL.

LEGEND

- GFI RECEPTACLE
- SURFACE MOUNTED FLUORESCENT
- WALL MOUNTED LIGHT FIXTURE
- SPST SWITCH
- UNIT HEATER
- MOTORIZED DAMPER (SUPPLIED BY OTHERS)
- SELF POWERED EXIT SIGN / EMERGENCY LIGHTING
- DOOR CONTACTS

AECOM
 Certificate of Authorization
 AECOM Canada Ltd.
 No. 4671 Date: April 28, 2009

BID OPPORTUNITY NO. 237-2009

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPR. U/G STRUCTURES COMMITTEE DATE

NOTE:
 LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

NO.	REVISIONS	YYMMDD	BY
0	ISSUED FOR CONSTRUCTION	09/04/29	BLM

AECOM

DESIGNED BY: LCK CHECKED BY: BM
 DRAWN BY: SCK APPROVED BY: Bryan Weber

HOR. SCALE: 1:50 RELEASED FOR CONSTRUCTION
 VERT. SCALE: - Linda Hoehn

DATE: 09/04/30 DATE: 09/04/30

PROFESSIONAL'S SEAL

Revision 0
 ISSUED FOR CONSTRUCTION
 WAS SEALED BY
 B. L. MOORE
 AND DATED
 April 29/09

CONSULTANT DRAWING NO.
 D265-236-00_01-E-0002_RX.dwg

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT

CONSTRUCTION OF VALVE CHAMBER SUPERSTRUCTURE, INSTALLATION OF VALVE ACTUATORS & ASSOCIATED WORKS

ELECTRICAL LIGHTING & POWER LAYOUT

SHEET 8 OF 10
 CITY DRAWING NUMBER
 D-11760