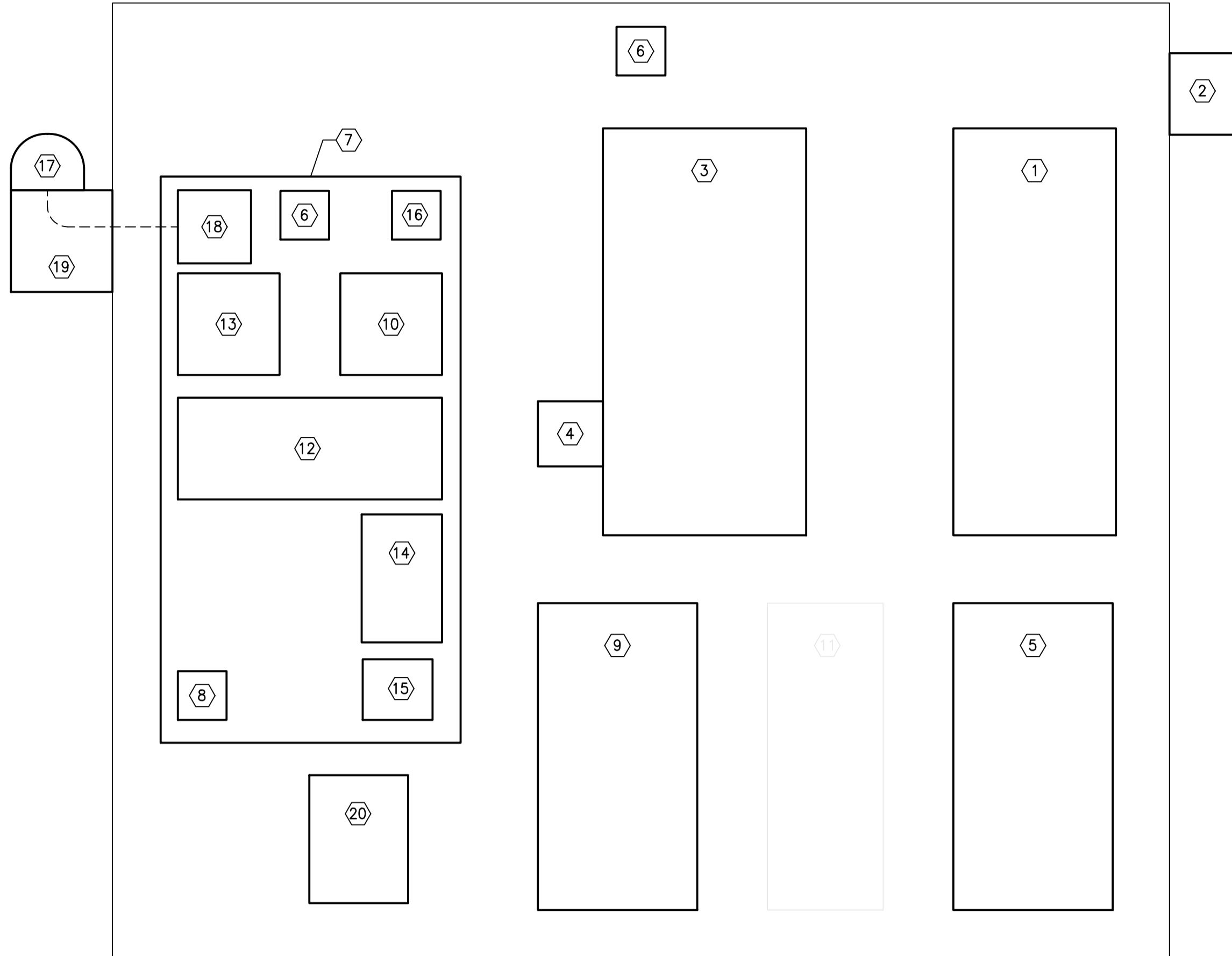


File Name: \\k-file-4-p-data\Projects\2018\18-0107-005\Dwg\Elec\18-0107-005_E04.dwg - Tab: E04 Plotted By: jdeleon 09/12/2018 [Wed 11:27am] CW-9-M564-1



EQUIPMENT LIST	
No.	DESCRIPTION
①	SERVICE ENTRANCE RATED 100A CIRCUIT BREAKER
②	MANITOBA HYDRO APPROVED METER SOCKET c/w SCREW TYPE SEALING RING
③	600V MAIN DISTRIBUTION PANEL: PNL-A10
④	SURGE PROTECTION DEVICE (SPD)
⑤	240/120V PANEL: PNL-A11
⑥	ENCLOSURE LUMINAIRE (NOTE 1)
⑦	RTU CABINET (NOTE 2)
⑧	ENVIRONMENTAL CONTROLS
⑨	PUMP STARTER
⑩	SIEMENS MILLTRONICS LEVEL TRANSMITTER LT-A01 (NOTE 3)
⑪	ACTUATOR STARTER (FUTURE)
⑫	SCHNEIDER M580 PLC RACK AS PER DETAIL B
⑬	UNINTERRUPTIBLE POWER SOURCE (UPS)
⑭	LAND LINE MODEM
⑮	15A, 120V SINGLE RECEPTACLE
⑯	RTU CABINET LOW TEMPERATURE ALARM TS-S01
⑰	ANTENNA (NOTE 5)
⑱	WIRELESS MODEM
⑲	ENCLOSURE PROTRUSION C/W DRAINAGE HOLES ON BASE (NOTE 5)
⑳	TRANSFORMER XFMR-A70
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- NOTES:**
- ENCLOSURE LUMINAIRE TO BE EQUIPPED WITH A LED SOURCE AND CONTROLLED BY EITHER A TOGGLE SWITCH OR DOOR SWITCH. ACCEPTABLE LUMINAIRE INCLUDES PHILIPS EW PROFILE POWERCORE SERIES OR APPROVED EQUIVALENT.
 - RTU CABINET SHALL BE COMPLETE WITH ENVIRONMENTAL CONTROLS AND LUMINAIRE COMPLETE WITH DOOR SWITCH. CABINET SHALL BE NEMA 4 RATED AND INCLUDE A LOCKING MECHANISM.
 - MOUNT LEVEL TRANSMITTER ON DOOR OF RTU CABINET.
 - PADMOUNT ENCLOSURE TO INCLUDE ALL POWER DISTRIBUTION EQUIPMENT, CONTROLS, INSTRUMENTATION, PUMP STARTER AND COMMUNICATION EQUIPMENT. UTILITY METER TO BE MOUNTED ON SIDE OF ENCLOSURE FOR INCOMING SERVICE CONDUCTORS BY MANITOBA HYDRO. ENCLOSURE SHALL BE NEMA 4 RATED.
 - SEAL ENCLOSURE PENETRATION AROUND ANTENNA CABLE TO PREVENT WATER/MOISTURE INGRESS INTO THE PAD MOUNT ENCLOSURE.
 - EQUIPMENT SHOWN IN GREY NOT IN SCOPE OF WORK. ALLOWANCE SHALL BE MADE FOR FUTURE PROVISIONS.

A PADMOUNT ENCLOSURE-FRONT ELEVATION (NOTE 4)
SCALE: N.T.S.

RACK: BME XBP 0800

PS	0	1	2	3	4	5	6	7	
BMX CPS 3020	BME PSB 2040		BME NOC 0301	SPACE BMX XEM 010	BMX DDI 1602K	BMX DDI 1602K	BMX DDO 1602	BMX AMI 0810	SPACE

CONNECTOR LEGEND:

① BMX FCW 303
40-WAY CONNECTOR WITH
FLYING LEADS

② BMX FTB 2010
SCREW CLAMP TERMINAL BLOCK

B DETAIL - M580 PLC RACK CONFIGURATION
SCALE: N.T.S.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



FIELD BOOK #:				ENGINEER'S SEAL	
POSTED TO LBIS				DESIGNED BY LU CHECKED BY JAB	
		DRAWN BY JPL APPROVED BY JAB			
		HDR. SCALE AS NOTED VERTICAL AS NOTED		RELEASED FOR CONSTRUCTION K. ZUREK	
0	ISSUED FOR CONSTRUCTION	18/09/11	JAB		
ND.	REVISIONS	DATE	BY	DATE	2018 MM DD

E04

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 DONALD OUTFALL CHAMBER UPGRADES
ELECTRICAL
 CONTROL PANEL
 ELEVATION & EQUIPMENT LIST

SHEET 13 OF 24
 CITY DRAWING NUMBER
 LD-8645