NOTES: 1. CONTRACTOR SHALL VERIFY EXISTING TERMINAL STRIP AND CONNECTION POINTS. 2. PROVIDE SUFFICIENT CABLE LENGTH TO PERMIT FUTURE RELOCATION OF RTU MCC-F71 MS-F01 LOCAL CABINET CP-F80 UP TO 2 METRES IN ANY DIRECTION. DISCONNECT C-F01-001 C-F01-002 DS-F01 [']3x1C, 500MCM AL., RW90, 600V /3C, 500MCM AL., ACWU90, 600V 400A 250 HP P-F01 MOTOR P-F01 215 FLA POWER MOTOR ROOM HSS-F010-1 MOTOR ROOM CA-F010-1 E-STOP 2C, 14 AWG, TECK90, 600V $-\frac{F010-1-1}{2}(1)$ - - - -(1) - F010-1-1 MOTOR P-F01 F010-1A-1(2)----**EMERGENCY** F010-1A-1 F010-1A-2 STOP MOTOR ROOM $-\frac{1}{(1)}$ F010-2-3 HSS-F010-2 PUMP ROOM CA-F010-2 ---(1) F010-2-4 E-STOP 2C, 14 AWG, TECK90, 600V <u>F010-1A-2</u>(1)—• To-------(2)<u>F010-3-1</u> F010-2-1(2)----____(2)_<u>F010-3-2</u>__ **LEGEND:** FLOOD PUMP ROOM DRY WELL _______ - - -(2) <u>F010-3-3</u> FIELD WIRING P-F02 MOTOR STARTER CA-F010-3 MCC-F71 MS-F02 MANUFACTURER WIRING SEE REF DWG. 2x1C, 14 AWG, RW90, 600V F010-2-2 (1) 1-0125F-E0018-001 MOTOR P-F02 F010-3-1₍₂₎ **FAILSAFE** SEE REF DWG. 1-0125F-E0020-001 ELECTRICAL ROOM SEE REF DWG. P-F03 MOTOR STARTER 1-0125F-E0022-001 CA-F010-5 MCC-F71 MS-F03 2x1C, 14 AWG, RW90, 600V F010-2-3 (1) MOTOR P-F03 F010-3-2₍₂₎ **FAILSAFE** 201 MOTOR P-F01 READY STATUS 202 ELECTRICAL ROOM 203 MOTOR P-F01 RUNNING STATUS P-F04 MOTOR STARTER CA-F010-6 MCC-F71 MS-F04 --(5)-<u>F010-205</u>--2x1C, 14 AWG, RW90, 600V -F010-2-4(1)-MOTOR P-F01 -(6) $-\frac{F010-206}{}$ $-\frac{}{}$ MOTOR P-F04 FAILSAFE FAIL STATUS 206 F010-3-3 (2)- $-(7) - \frac{F010 - 207}{}$ MOTOR P-F01 ______ AUTO MODE ELECTRICAL ROOM STATUS 208 --(9)-<u>F010-209</u>--209 MOTOR P-F01 MANUAL MODE $-(10)-\frac{F010-210}{}$ RTU CABINET STATUS 210 CP-F80 TS-XCA-F010-4 (NOTE 2) --(11)-F010-211 --(NOTE 1) 16C, 14 AWG, TECK90, 600V _ <u>F010-203</u> -(3)- -MOTOR P-F01 --(12)-<u>F010-212</u> RUN COMMAND $-\frac{\text{F0}10-204}{\text{-}(4)-\text{-}}$ 12 $-(13)-\frac{F010-213}{}$ 213 MOTOR P-F01 F010-206 -(6)-REMOTE RUN -(14) $-\frac{F010}{214}$ COMMAND F010-213-(13)---(15)-F010-215 MOTOR P-F01 F010-214-(14)-SEAL WATER CONTROL --(16)-<u>F010-216</u>--F010-216-(16)-301+ IT-F010 MOTOR P-F02 ELECTRICAL ROOM CURRENT 301-301s ELECTRICAL ROOM **KGS** ENGINEER'S SEAL THE CITY OF WINNIPEG ELEV. -GROUP WATER AND WASTE DEPARTMENT Winnipeg CONSULTING ENGINEERS DESIGNED BY: CLIFTON FLOOD PUMPING STATION UPGRADES L. UPPAL J. BOUCHARD **ELECTRICAL** DRAWN BY: APPROVED BY: ENGINEERS GEOSCIENTISTS CONNECTION DIAGRAM J. deLEON J. BOUCHARD ISSUED FOR CONSTRUCTION SCALE: AS NOTED MS-F01 FLOOD PUMP SHT. 2 Certificate of Authorization DATE: 2019/07/12 00 ISSUED FOR TENDER AND CONSTRUCTION 2019/07/12 LU JAB CONSULTANT NO.: 19-0107-002_E13.2 KGS Group No. 245 DATE DESIGN CHECK PLOT DATE: Jul 12, 2019 - 12:43pm FILE NAME: 19-0107-002_E13.2.dwg