NOTES: 1. CONTRACTOR SHALL VERIFY EXISTING TERMINAL STRIP AND CONNECTION POINTS. 2. CONTRACTOR SHALL ENSURE SUFFICIENT TERMINALS ARE INSTALLED FOR FUTURE MCC-F71 MS-F04 LOCAL CONNECTIONS. DISCONNECT C-F04-001 C-F04-002 DS-F04 [']3x1C, 500MCM AL., RW90, 600V /3C, 500MCM AL., ACWU90, 600V 400A 250 HP P-F04 MOTOR P-F04 215 FLA **POWER** MOTOR ROOM HSS-F040-1 MOTOR ROOM CA-F040-1 E-STOP 2C, 14 AWG, TECK90, 600V $- - - \frac{F040 - 1 - 1}{1} - (1) - \frac{1}{1} - \frac{1}{1}$ --(1)--<u>F040-1-1</u>---MOTOR P-F04 EMERGENCY < $\begin{array}{c} -(2) - \frac{\text{F040} - 1\text{A} - 1}{\text{F040} - 1\text{A} - 2} - \\ -(1) - \frac{\text{F040} - 1\text{A} - 2}{\text{F040} - 1\text{A} - 2} - \\ \end{array}$ STOP MOTOR ROOM --(1)-<u>F040-2-3</u>---HSS-F040-2 PUMP ROOM CA-F040-2 --(1)-<u>F040-2-4</u>--E-STOP 2C, 14 AWG, TECK90, 600V --(2)-<u>F040-3-1</u>- $-\frac{F040-2-1}{(2)----}$ **LEGEND:** FLOOD PUMP ROOM DRY WELL --(2)-<u>F040-3-3</u>-FIELD WIRING P-F01 MOTOR STARTER CA-F040-3 MCC-F71 MS-F01 MANUFACTURER WIRING SEE REF DWG. 2x1C, 14 AWG, RW90, 600V - <u>F040-2-2</u> -(1)-1-0125F-E0016-001 $-\frac{F040-3-1}{-(2)}$ MOTOR P-F01 **FAILSAFE** SEE REF DWG. 1-0125F-E0018-001 ELECTRICAL ROOM SEE REF DWG. P-F02 MOTOR STARTER 1-0125F-E0020-001 CA-F040-5 MCC-F71 MS-F02 2x1C, 14 AWG, RW90, 600V $-\frac{F040-2-3}{}$ -(1) $-\frac{F040-3-2}{-(2)}$ MOTOR P-F02 **FAILSAFE** 201 MOTOR P-F04 READY STATUS 202 ELECTRICAL ROOM -(3)—<u>F040</u>-203 203 MOTOR P-F04 RUNNING STATUS P-F03 MOTOR STARTER CA-F040-6 MCC-F71 MS-F03 —(5)—<u>F040</u>—<u>205</u>—— 2x1C, 14 AWG, RW90, 600V $-\frac{F040-2-4}{-}$ -(1) MOTOR P-F04 $\frac{1}{1} - \frac{F040 - 3 - 3}{1} - (2)$ $-(6)-\frac{F040-206}{}$ MOTOR P-F03 FAILSAFE FAIL STATUS 206 $-(7)-\frac{F040-207}{}$ MOTOR P-F04 L__ - - - _ - - _ - - - _ - - _ - _ - _ AUTO MODE ELECTRICAL ROOM STATUS 208 $-(9) - \frac{F040 - 209}{} - -$ 209 MOTOR P-F04 MANUAL MODE $-(10) - \frac{\text{F040} - 210}{\text{F040}} - \frac{10}{\text{F040}}$ RTU CABINET STATUS 210 CP-F80 TS-XCA-F040-4 (NOTE 2) $-(11) - \frac{F040 - 211}{} - -$ (NOTE 1) 16C, 14 AWG, TECK90, 600V _ <u>F040</u>-203 _(3) MOTOR P-F04 (12)-F040-212 -RUN COMMAND F040-204 -(4) $-(13)-\frac{F040-213}{}$ 213 MOTOR P-F04 F040-206 -(6) REMOTE RUN $-(14) - \frac{F040 - 214}{}$ COMMAND F040-213 (13) 215 MOTOR P-F04 F040-214_(14) SEAL WATER CONTROL F040-216 (16) ______ 301+ IT-F040 ELECTRICAL ROOM MOTOR P-F02 CURRENT 301-301s ELECTRICAL ROOM **KGS** ENGINEER'S SEAL THE CITY OF WINNIPEG ELEV. – GROUP Winnipeg WATER AND WASTE DEPARTMENT CONSULTING ENGINEERS DESIGNED BY: CLIFTON FLOOD PUMPING STATION UPGRADES L. UPPAL J. BOUCHARD **ELECTRICAL** DRAWN BY: APPROVED BY: ENGINEERS GEOSCIENTISTS J. deLEON J. BOUCHARD CONNECTION DIAGRAM ISSUED FOR CONSTRUCTION SCALE: AS NOTED MS-F04 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_E16.2 KGS Group No. 245 DATE DESIGN CHECK PLOT DATE: Jul 12, 2019 - 12:44pm FILE NAME: 19-0107-002_E16.2.dwg