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|---|------------------------|-----------|---------------|-----------------------|
| <br><b>SNC · LAVALIN</b> | <b>CABLE SCHEDULE</b>  |           | Document Code | 508955-0000-47EL-0002 |
|   |                        |           | Revision      | 01                    |
| Client<br>City of Winnipeg  |                        |           |               |                       |
| Project<br>MacLean Pumping Station Electrical Upgrades  |                        |           |               |                       |
| Package / Area  |                        |           |               |                       |
| Prepared By   | Name                   | Signature | Date          |                       |
|   | B. Cleven / V. Elimban |           | 2012-07-25    |                       |
| Checked By  | Name                   | Signature | Date          |                       |
|   | C. Reimer              |           | 2012-07-25    |                       |
| Approved By   | Name                   | Signature | Date          |                       |
|   | C. Reimer              |           | 2012-07-25    |                       |
| Notes / Comments  |                        |           | Seal          |                       |
|   |                        |           |               |                       |

| Revisions |                   |            |           |           |           |
|-----------|-------------------|------------|-----------|-----------|-----------|
| Rev       | Description       | Date       | By        | Checked   | Approved  |
| 00        | Issued for Tender | 2012-07-25 | B. Cleven | C. Reimer | C. Reimer |
| 01        | Addendum 1        | 2012-08-15 | B. Cleven | C. Reimer | C. Reimer |
|           |                   |            |           |           |           |
|           |                   |            |           |           |           |

| Reference Documents |
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| Cable ID                 | Cable Type                 | From                   | To                         | Spacing<br>See Note 1 | Length<br>(m) | Routing         | Notes | Rev |
|--------------------------|----------------------------|------------------------|----------------------------|-----------------------|---------------|-----------------|-------|-----|
| <b>AUTOMATION CABLES</b> |                            |                        |                            |                       |               |                 |       |     |
| CA-M911                  | 2C, 16 AWG, ACIC, 600V     | XFMR-M1                | Station PLC                | 0%                    | 12            | Cable Tray      |       | 00  |
| CA-M912                  | 2C, 16 AWG, ACIC, 600V     | XFMR-M2                | Station PLC                | 0%                    | 13            | Cable Tray      |       | 00  |
| CA-M608                  | 1PR, 18 AWG, ACIC, 600V    | TT-M608                | LCP-M608                   | 0%                    | 7             | Surface         |       | 00  |
| CA-M601-1                | 4C, 14 AWG, TECK90, 600V   | MCC-M3E.MS-M601        | JB-M601                    | 0%                    | 26            | Tray to Surface |       | 00  |
| CA-M601-2                | 6C, 16 AWG, CIC, 600V      | MCC-M3E.MS-M601        | LCP-M600                   | 0%                    | 26            | Conduit         |       | 00  |
| CA-M601-3                | 4C, 14 AWG, RW90, 600V     | LCP-M600               | Johnson Controls Panel     | 0%                    | 27            | Conduit         |       | 00  |
| CA-M601-4                | 2C, 14 AWG, TECK90, 600V   | JB-M601                | TSL-M601                   | 0%                    | 4             | Surface         |       | 00  |
| CA-M601-5                | 2C, 14 AWG, TECK90, 600V   | HCC-M601               | JB-M601                    | 0%                    | 7             | Surface         |       | 00  |
| CA-M601-6                | 2C, 14 AWG, TECK90, 600V   | HCC-M601               | TSH-M601                   | 0%                    | 8             | Surface         |       | 00  |
| CA-M601-7                | 2C, 14 AWG, TECK90, 600V   | HCC-M601               | FS-M601                    | 0%                    | 8             | Surface         |       | 00  |
| CA-M601-8                | 1PR, 18 AWG, ACIC, OS      | TT-M601                | LCP-M608                   | 0%                    | 13            | Surface         |       | 00  |
| CA-M601-9                | 1PR, 18 AWG, ACIC, OS      | LCP-M608               | HCC-M601                   | 0%                    | 24            | Surface         |       | 00  |
| CA-M602-1                | 2C, 14 AWG, TECK90, 600V   | MCC-M1.MS-M602         | TSL-M602                   | 0%                    | 42            | Tray to Surface |       | 00  |
| CA-M602-2                | 6C, 16 AWG, CIC, 600V      | MCC-M1.MS-M602         | LCP-M600                   | 0%                    | 18            | Conduit         |       | 00  |
| CA-M602-3                | 4C, 14 AWG, RW90, 600V     | LCP-M600               | Johnson Controls Panel     | 0%                    | 3             | Conduit         |       | 00  |
| CA-M603-1                | 4C, 14 AWG, TECK90, 600V   | MCC-M3E.MS-M603        | JB-M603                    | 0%                    | 51            | Tray to Surface |       | 00  |
| CA-M603-2                | 6C, 14 AWG, CIC, 600V      | MCC-M3E.MS-M603        | LCP-M600                   | 0%                    | 26            | Tray to Surface |       | 00  |
| CA-M603-3                | 4C, 14 AWG, RW90, 600V     | LCP-M600               | Johnson Controls Panel     | 0%                    | 3             | Conduit         |       | 00  |
| CA-M603-4                | 2C, 14 AWG, TECK90, 600V   | JB-M603                | TSL-M603                   | 0%                    | 4             | Surface         |       | 00  |
| CA-M603-5                | 2C, 14 AWG, TECK90, 600V   | HCC-M603               | JB-M603                    | 0%                    | 2             | Surface         |       | 00  |
| CA-M603-6                | 2C, 14 AWG, TECK90, 600V   | HCC-M603               | TSH-M603                   | 0%                    | 4             | Surface         |       | 00  |
| CA-M603-7                | 2C, 14 AWG, TECK90, 600V   | HCC-M603               | FS-M603                    | 0%                    | 4             | Surface         |       | 00  |
| CA-M603-8                | 1PR, 18AWG, ACIC, OS       | TT-M603                | LCP-M608                   | 0%                    | 10            | Surface         |       | 00  |
| CA-M603-9                | 1PR, 18AWG, ACIC, OS       | LCP-M608               | HCC-M603                   | 0%                    | 46            | Surface         |       | 00  |
| CA-M604-1                | 2C, 14 AWG, TECK90, 600V   | MCC-M1.MS-M604         | TSL-M604                   | 0%                    | 45            | Tray to Surface |       | 00  |
| CA-M604-2                | 6C, 16 AWG, CIC, 600V      | MCC-M1.MS-M604         | LCP-M600                   | 0%                    | 15            | Conduit         |       | 00  |
| CA-M604-3                | 4C, 16 AWG, RW90, 600V     | LCP-M600               | Johnson Controls Panel     | 0%                    | 3             | Conduit         |       | 00  |
| CA-M605-1                | 6C, 16 AWG, CIC, 600V      | MCC-M1.MS-M605         | LCP-M600                   | 0%                    | 15            | Conduit         |       | 00  |
| CA-M605-2                | 4C, 14 AWG, RW90, 600V     | LCP-M600               | Johnson Controls Panel     | 0%                    | 3             | Conduit         |       | 00  |
| CA-M605-3                | 2C, 16 AWG, ACIC, 600V     | MCC-M1.MS-M605         | FSL-M605                   | 0%                    | 4             | Tray to Surface |       | 00  |
| CA-M609-1                | 2C, 14 AWG, RW90, 600V     | MCC-M1.CON-M609        | TSH-M609                   | 0%                    | 17            | Tray to Surface |       | 00  |
| CA-M609-1                | 2C, 14 AWG, RW90, 600V     | MCC-M1.CON-M609        | FS-M609                    | 0%                    | 17            | Tray to Surface |       | 00  |
| CA-M609-3                | 6C, 16 AWG, CIC, 600V      | Johnson Controls Panel | MCC-M1.CON-M609            | 0%                    | 17            | Conduit         |       | 00  |
| CA-M609-4                | 1PR, 18 AWG, CIC, OS, 600V | Johnson Controls Panel | MCC-M1.CON-M609            | 0%                    | 17            | Conduit         |       | 00  |
| CA-M681-1                | 6C, 16 AWG, CIC, 600V      | MCC-M3E.MS-M681        | LCP-M600                   | 0%                    | 26            | Conduit         |       | 00  |
| CA-M681-2                | 2C, 14 AWG, RW90, 600V     | LCP-M600               | Johnson Controls Panel     | 0%                    | 3             | Conduit         |       | 00  |
| CA-M682-1                | 6C, 16 AWG, CIC, 600V      | MCC-M3E.MS-M682        | LCP-M600                   | 0%                    | 25            | Conduit         |       | 00  |
| CA-M682-2                | 2C, 14 AWG, RW90, 600V     | LCP-M600               | Johnson Controls Panel     | 0%                    | 3             | Conduit         |       | 00  |
| CA-M683-1                | 6C, 16 AWG, CIC, 600V      | MCC-M1.MS-M683         | LCP-M600                   | 0%                    | 16            | Conduit         |       | 00  |
| CA-M683-2                | 2C, 14 AWG, RW90, 600V     | LCP-M600               | Johnson Controls Panel     | 0%                    | 3             | Conduit         |       | 00  |
| CA-M684-1                | 6C, 16 AWG, CIC, 600V      | MCC-M1.MS-M684         | LCP-M600                   | 0%                    | 16            | Conduit         |       | 00  |
| CA-M684-2                | 2C, 14 AWG, RW90, 600V     | LCP-M600               | Johnson Controls Panel     | 0%                    | 3             | Conduit         |       | 00  |
| CA-M686                  | 4C, 14 AWG, TECK90, 600V   | MCC-M3E.MS-M686        | CL2 Exhaust Fan Ctrl Panel | 0%                    | 56            | Tray to Surface |       | 01  |
| CA-M689                  | 4C, 14 AWG, TECK90, 600V   | MCC-M3E.MS-M689        | CL2 Exhaust Fan Ctrl Panel | 0%                    | 56            | Tray to Surface |       | 01  |
| CA-M690                  | 4C, 14 AWG, TECK90, 600V   | MCC-M3E.MS-M690        | CL2 Exhaust Fan Ctrl Panel | 0%                    | 57            | Tray to Surface |       | 01  |
| CA-M692                  | 4C, 14 AWG, TECK90, 600V   | MCC-M3E.MS-M692        | CL2 Exhaust Fan Ctrl Panel | 0%                    | 56            | Tray to Surface |       | 01  |
| CA-M901-1                | 6C, 12 AWG, TECK90, 600V   | MCC-M1.MS-M901         | LCP-M900                   | 0%                    | 74            | Tray to Surface |       | 00  |

| Cable ID            | Cable Type                 | From             | To                   | Spacing<br>See Note 1 | Length<br>(m) | Routing             | Notes | Rev |
|---------------------|----------------------------|------------------|----------------------|-----------------------|---------------|---------------------|-------|-----|
| CA-M901-2           | 2C, 14 AWG, RW90, 600V     | LCP-M900         | PS-M901-3            | 0%                    | 7             | Channel to Unistrut |       | 00  |
| CA-M901-4           | 2C, 14 AWG, RW90, 600V     | LCP-M900         | KV-M901              | 0%                    | 7             | Channel to Unistrut |       | 00  |
| CA-M901-5           | 2C, 14 AWG, RW90, 600V     | LCP-M900         | PS-M901-1            | 0%                    | 7             | Channel to Unistrut |       | 00  |
| CA-M901-6           | 2C, 14 AWG, RW90, 600V     | LCP-M900         | PS-M901-2            | 0%                    | 7             | Channel to Unistrut |       | 00  |
| CA-M902-1           | 6C, 12 AWG, TECK90, 600V   | MCC-M3E.MS-M902  | LCP-M900             | 0%                    | 67            | Tray to Surface     |       | 00  |
| CA-M902-2           | 2C, 14 AWG, RW90, 600V     | LCP-M900         | PS-M902-3            | 0%                    | 6             | Channel to Unistrut |       | 00  |
| CA-M902-4           | 2C, 14 AWG, RW90, 600V     | LCP-M900         | KV-M902              | 0%                    | 6             | Channel to Unistrut |       | 00  |
| CA-M903-1           | 2C, 14 AWG, TECK90, 600V   | MCC-M3E.MS-M903  | JB-M903              | 0%                    | 68            | Tray to Surface     |       | 00  |
| CA-M903-2           | 2C, 14 AWG, TECK90, 600V   | JB-M903          | HS-M903-1            | 0%                    | 2             | Tray to Surface     |       | 00  |
| CA-M903-3           | 2C, 14 AWG, TECK90, 600V   | JB-M903          | PS-M903-1, PS-M903-2 | 0%                    | 4             | Surface to Unistrut |       | 00  |
| CA-M913             | 2C, 16 AWG, ACIC, 600V     | MCC-M1.ESL-M913  | Station PLC          | 0%                    | 7             | Cable Tray          |       | 00  |
| CA-M914             | 2C, 16 AWG, ACIC, 600V     | DP-M2.ESL-M914   | Station PLC          | 0%                    | 16            | Cable Tray          |       | 00  |
| CA-M915             | 2C, 16 AWG, ACIC, 600V     | MCC-M3E.ESL-M915 | Station PLC          | 0%                    | 18            | Cable Tray          |       | 00  |
| CA-M916-1           | 4C, 16 AWG, ACIC, 600V     | ATS-M3E          | Station PLC          | 0%                    | 15            | Cable Tray          |       | 00  |
| CA-M916-2           | 2C, 14 AWG, TECK90, 600V   | ATS-M3E          | ATS-M1               | 0%                    | 65            | Cable Tray          |       | 00  |
| CA-M941-1           | 6C, 14 AWG, TECK90, 600V   | MCC-M3E.MS-M941  | LCP-M940             | 0%                    | 33            | Tray to Surface     |       | 00  |
| CA-M941-2           | 2C, 14 AWG, RW90, 600V     | LCP-M940         | LIT-M940             | 0%                    | 2             | Conduit             |       | 00  |
| CA-M942-1           | 6C, 14 AWG, TECK90, 600V   | MCC-M3E.MS-M942  | LCP-M940             | 0%                    | 33            | Tray to Surface     |       | 00  |
| CA-M942-2           | 2C, 14 AWG, RW90, 600V     | LCP-M940         | LIT-M940             | 0%                    | 2             | Conduit             |       | 00  |
| <b>POWER CABLES</b> |                            |                  |                      |                       |               |                     |       |     |
| C-ATS-M3E-A         | 3C, 250 MCM, TECK90, 1000V | DP-M2            | ATS-M3E              | 100%                  | 6             | Cable Tray-Overhead |       | 00  |
| C-ATS-M3E-B         | 3C, 250 MCM, TECK90, 1000V | ATS-M1E          | ATS-M3E              | 0%                    | 65            | Cable Tray          |       | 00  |
| C-DP-M2             | 4C, 500 MCM, TECK90, 1000V | XFMR-M2          | DP-M2                | 100%                  | 8             | Cable Tray          |       | 00  |
| C-M041              | 3C, 12 AWG, TECK90, 1000V  | MCC-M3E          | XV-M041              | 0%                    | 33            | Tray to Surface     |       | 00  |
| C-M042-1            | 3C, 12 AWG, TECK90, 1000V  | DP-M2            | JB-M042              | 0%                    | 31            | Tray to JB          |       | 00  |
| C-M042-2            | 3C, 12 AWG, TC, 1000V      | JB-M042          | XV-M042              | 0%                    | 11            | JB to Conduit       |       | 00  |
| C-M043              | 3C, 12 AWG, TECK90, 1000V  | MCC-M3E          | XV-M043              | 0%                    | 76            | Tray to Surface     |       | 00  |
| C-M051              | 3C, 12 AWG, TECK90, 1000V  | MCC-M3E          | XV-M051              | 0%                    | 12            | Tray to Surface     |       | 00  |
| C-M052              | 3C, 12 AWG, TECK90, 1000V  | DP-M2            | XV-M052              | 0%                    | 22            | Tray to Surface     |       | 00  |
| C-M053              | 3C, 12 AWG, TECK90, 1000V  | DP-M2            | XV-M053              | 0%                    | 41            | Tray to Surface     |       | 00  |
| C-M054              | 3C, 12 AWG, TECK90, 1000V  | MCC-M3E          | XV-M054              | 0%                    | 64            | Tray to Surface     |       | 00  |
| C-M608              | 2C, 12 AWG, RW90, 600V     | PNL-B            | LCP-M608             | 0%                    | 22            | Conduit             |       | 00  |
| C-M601-1            | 3C, 12 AWG, TECK90, 1000V  | MCC-M3E.MS-M601  | DS-M601              | 0%                    | 25            | Tray to Surface     |       | 00  |
| C-M601-2            | 3C, 12 AWG, TECK90, 1000V  | DS-M601          | AHU-M601             | 0%                    | 5             | Surface             |       | 00  |
| C-M601-3            | 3C, 1 AWG, TECK90, 1000V   | DP-M2            | HCC-M601             | 0%                    | 20            | Tray to Surface     |       | 00  |
| C-M601-4            | 12C, 12 AWG, TECK90, 1000V | HCC-M601         | HCE-M601             | 100%                  | 6             | Surface & Channel   |       | 00  |
| C-M602-1            | 3C, 12 AWG, TECK90, 1000V  | MCC-M1.MS-M602   | DS-M602              | 0%                    | 26            | Tray to Surface     |       | 00  |
| C-M602-2            | 3C, 12 AWG, TECK90, 1000V  | DS-M602          | AHU-M602             | 0%                    | 5             | Surface             |       | 00  |
| C-M603-1            | 3C, 12 AWG, TECK90, 1000V  | MCC-M3E.MS-M603  | DS-M603              | 0%                    | 53            | Tray to Surface     |       | 00  |
| C-M603-2            | 3C, 12 AWG, TECK90, 1000V  | DS-M603          | AHU-M603             | 0%                    | 5             | Surface             |       | 00  |
| C-M603-3            | 3C, 1 AWG, TECK90, 1000V   | MCC-M1           | HCC-M603             | 0%                    | 36            | Tray to Surface     |       | 00  |
| C-M603-4            | 12C, 12 AWG, TECK90, 1000V | HCC-M603         | HCE-M603             | 100%                  | 6             | Surface & Channel   |       | 00  |
| C-M604-1            | 3C, 12 AWG, TECK90, 1000V  | MCC-M1.MS-M604   | DS-M604              | 0%                    | 42            | Tray to Surface     |       | 00  |
| C-M604-2            | 3C, 12 AWG, TECK90, 1000V  | DS-M604          | AHU-M604             | 0%                    | 4             | Surface             |       | 00  |
| C-M605-1            | 3C, 12 AWG, TECK90, 1000V  | MCC-M1.MS-M605   | DS-M605              | 0%                    | 8             | Tray to Surface     |       | 00  |
| C-M605-2            | 3C, 12 AWG, TECK90, 1000V  | DS-M605          | AHU-M605             | 0%                    | 3             | Surface             |       | 00  |
| C-M605-1-1          | 3C, 10 AWG, TECK90, 1000V  | DP-M2            | HCC-M605-1           | 0%                    | 11            | Tray to Surface     |       | 00  |
| C-M605-2-1          | 3C, 12 AWG, TECK90, 1000V  | DP-M2            | HCC-M605-2           | 0%                    | 9             | Tray to Surface     |       | 00  |

| Cable ID    | Cable Type                 | From            | To          | Spacing<br>See Note 1 | Length<br>(m) | Routing                | Notes | Rev |
|-------------|----------------------------|-----------------|-------------|-----------------------|---------------|------------------------|-------|-----|
| C-M609      | 15C, 12 AWG, TECK90, 1000V | MCC-M1.CON-M609 | HCE-M609    | 100%                  | 9             | Tray to Surface        |       | 00  |
| C-M616-1    | 3C, 12 AWG, TC, 1000V      | DP-M2           | HCC-M616    | 0%                    | 31            | Tray to Conduit        |       | 00  |
| C-M619-1    | 3C, 10 AWG, TC, 1000V      | DP-M2           | HCC-M619    | 0%                    | 35            | Tray to Conduit        |       | 00  |
| C-M630-1    | 3C, 3/0 AWG, RW90, 1000V   | MCC-M1          | DS-M630     | 100%                  | 32            | Conduit                |       | 00  |
| C-M631-1    | 3C, 12 AWG, RW90, 1000V    | MCC-M1          | DS-M631     | 0%                    | 30            | Conduit                |       | 00  |
| C-M632-1    | 3C, 12 AWG, RW90, 1000V    | MCC-M1          | DS-M632     | 0%                    | 29            | Conduit                |       | 00  |
| C-M633-1    | 3C, 12 AWG, RW90, 1000V    | MCC-M1          | JB-M2       | 0%                    | 24            | Conduit                |       | 00  |
| C-M634-1    | 3C, 12 AWG, RW90, 1000V    | MCC-M1          | DS-M634     | 0%                    | 27            | Conduit                |       | 00  |
| C-M635-1-1  | 3C, 12 AWG, RW90, 1000V    | MCC-M1          | DS-M635-1   | 0%                    | 31            | Conduit                |       | 00  |
| C-M635-2-1  | 3C, 12 AWG, RW90, 1000V    | MCC-M1          | DS-M635-2   | 0%                    | 30            | Conduit                |       | 00  |
| C-M657-1    | 3C, 12 AWG, TC, 1000V      | MCC-M3E         | HCC-M657    | 0%                    | 29            | Tray to Conduit        |       | 00  |
| C-M658-1    | 3C, 10 AWG, TC, 1000V      | DP-M2           | HCC-M658    | 0%                    | 35            | Tray to Conduit        |       | 00  |
| C-M661-1    | 3C, 8 AWG, TC, 1000V       | MCC-M1          | HCC-M661    | 0%                    | 42            | Tray to Conduit        |       | 00  |
| C-M662-1    | 3C, 8 AWG, TC, 1000V       | MCC-M1          | HCC-M662    | 0%                    | 52            | Tray to Conduit        |       | 00  |
| C-M663-1    | 3C, 12 AWG, RW90, 1000V    | DP-M2           | JB-M2       | 0%                    | 24            | Tray to Surface        |       | 00  |
| C-M681-1    | 3C, 12 AWG, RW90, 1000V    | MCC-M3E.MS-M681 | JB-M3       | 0%                    | 24            | Conduit                |       | 00  |
| C-M682-1    | 3C, 12 AWG, RW90, 1000V    | MCC-M1.MS-M682  | JB-M1       | 0%                    | 12            | Conduit                |       | 01  |
| C-M683-1    | 3C, 12 AWG, RW90, 1000V    | MCC-M1.MS-M683  | JB-M1       | 0%                    | 12            | Conduit                |       | 00  |
| C-M684-1    | 3C, 12 AWG, RW90, 1000V    | MCC-M3E.MS-M684 | JB-M3       | 0%                    | 24            | Conduit                |       | 01  |
| C-M686-1    | 3C, 12 AWG, RW90, 1000V    | MCC-M3E.MS-M686 | JB-M3       | 0%                    | 24            | Conduit                |       | 00  |
| C-M689-1    | 3C, 12 AWG, RW90, 1000V    | MCC-M3E.MS-M689 | JB-M3       | 0%                    | 24            | Conduit                |       | 00  |
| C-M690-1    | 5C, 12 AWG, TECK90, 1000V  | MCC-M3E.MS-M690 | DS-M690     | 0%                    | 43            | Tray to Surface        |       | 01  |
| C-M690-2    | 3C, 12 AWG, TECK90, 1000V  | DS-M690         | EF-M690     | 0%                    | 1             | Surface                |       | 01  |
| C-M692-1    | 5C, 12 AWG, TECK90, 1000V  | MCC-M3E.MS-M692 | DS-M692     | 0%                    | 56            | Tray to Surface        |       | 01  |
| C-M692-2    | 3C, 12 AWG, TECK90, 1000V  | DS-M692         | EF-M692     | 0%                    | 1             | Surface                |       | 01  |
| C-M901-1    | 3C, 12 AWG, TECK90, 1000V  | MCC-M1.MS-M901  | DS-M901     | 0%                    | 62            | Tray to Surface        |       | 00  |
| C-M901-2    | 3C, 12 AWG, TECK90, 1000V  | DS-M901         | AC-M901     | 0%                    | 7             | Channel to Unistrut    |       | 00  |
| C-M902-1    | 3C, 12 AWG, TECK90, 1000V  | MCC-M3E.MS-M902 | DS-M902     | 0%                    | 66            | Tray to Surface        |       | 00  |
| C-M902-2    | 3C, 12 AWG, TECK90, 1000V  | DS-M902         | AC-M902     | 0%                    | 6             | Channel to Unistrut    |       | 00  |
| C-M903-1    | 3C, 12 AWG, TECK90, 1000V  | MCC-M3E.MS-M903 | DS-M903     | 0%                    | 66            | Tray to Surface        |       | 00  |
| C-M903-2    | 3C, 12 AWG, TECK90, 1000V  | DS-M903         | AC-M903     | 0%                    | 3             | Surface to Unistrut    |       | 00  |
| C-M941-1    | 3C, 12 AWG, TECK90, 1000V  | MCC-M3E.MS-M941 | DS-M941     | 0%                    | 31            | Tray to Surface        |       | 00  |
| C-M941-2    | 3C, 12 AWG, TECK90, 1000V  | DS-M941         | P-M941      | 0%                    | 5             | Conduit                |       | 00  |
| C-M942-1    | 3C, 12 AWG, TECK90, 1000V  | MCC-M3E.MS-M942 | DS-M942     | 0%                    | 31            | Tray to Surface        |       | 00  |
| C-M942-2    | 3C, 12 AWG, TECK90, 1000V  | DS-M942         | P-M942      | 0%                    | 5             | Conduit                |       | 00  |
| C-M991-1    | 3C, 12 AWG, RW90, 1000V    | MCC-M1          | JB-M1       | 0%                    | 12            | Tray to JB to Overhead |       | 00  |
| C-M992-1    | 3C, 8 AWG, TECK90, 1000V   | MCC-M1          | DS-M992     | 0%                    | 26            | Tray to Surface        |       | 00  |
| C-M996-1    | 3C, 12 AWG, RW90, 1000V    | DP-M2           | JB-M2       | 0%                    | 24            | Conduit                |       | 00  |
| C-M997-1    | 3C, 12 AWG, RW90, 1000V    | DP-M2           | JB-M2       | 0%                    | 24            | Conduit                |       | 00  |
| C-MCC-M1    | 3C, 500 MCM, TECK90, 1000V | XFMR-M1         | MCC-M1      | 100%                  | 11            | Cable Tray-Overhead    |       | 00  |
| C-MCC-M3E-A | 3C, 250 MCM, TECK90, 1000V | ATS-M3E         | MCC-M3E     | 100%                  | 7             | Cable Tray-Overhead    |       | 00  |
| C-MCC-M3E-B | 3C, 250 MCM, TECK90, 1000V | MCC-M1          | MCC-M3E     | 0%                    | 14            | Cable Tray-Overhead    |       | 00  |
| C-MCC-R1    | 3C, 3/0 AWG, TECK90, 1000V | DP-M2           | MCC-R1      | 0%                    | 150           | Cable Tray to Duct     |       | 00  |
| C-PFC-M1    | 3C, 4/0 AWG, TECK90, 1000V | MCC-M1          | PFC-M1      | 100%                  | 9             | Cable Tray             |       | 00  |
| C-PNL-B     | 4C, 2 AWG, RW90, 600V      | XFMR-M30E       | PNL-B       | 0%                    | 8             | Conduit                |       | 00  |
| C-PNL-M10   | 4C, 2 AWG, TECK90, 600V    | XFMR-M10        | PNL-M10     | 100%                  | 3             | Surface                |       | 00  |
| C-TIE-M1-M2 | 3C, 500 MCM, TECK90, 1000V | MCC-M1          | DP-M2       | 100%                  | 14            | Cable Tray-Overhead    |       | 00  |
| C-WELD-RCPT | 3C, 2 AWG, TECK90, 1000V   | MCC-M1          | WELD-RECEPT | 0%                    | 30            | Tray to Surface        |       | 00  |

| Cable ID    | Cable Type                       | From    | To        | Spacing<br>See Note 1 | Length<br>(m) | Routing         | Notes          | Rev |
|-------------|----------------------------------|---------|-----------|-----------------------|---------------|-----------------|----------------|-----|
| C-XFMR-M1   | 3C, 4 AWG, HVTECK, 5kV, Shielded | SGR-M1  | XFMR-M1   | 100%                  | 10            | Cable Tray      |                | 00  |
| C-XFMR-M10  | 3C, 6 AWG, TECK90, 1000V         | MCC-M1  | XFMR-M10  | 0%                    | 56            | Tray to Surface |                | 00  |
| C-XFMR-M2   | 3C, 4 AWG, HVTECK, 5kV, Shielded | SGR-M1  | XFMR-M2   | 100%                  | 10            | Cable Tray      |                | 00  |
| C-XFMR-M20  | 3C, 3 AWG, TECK90, 1000V         | DP-M2   | XFMR-M20  | 0%                    | 23            | Tray to Surface | Was XFMR-PNL-A | 00  |
| C-XFMR-M30E | 3C, 6 AWG, TECK90, 1000V         | MCC-M3E | XFMR-M30E | 0%                    | 24            | Tray to Surface | Was XFMR-PNL-B | 00  |
| C-XFMR-M31E | 2C, 10 AWG, RW90, 1000V          | MCC-M3E | XFMR-M31E | 0%                    | 9             | Conduit         |                | 00  |

**Notes:**

1. The Spacing column refers to the minimum percentage of a cable diameter, that must be between the nearest adjacent cable. Where two cables are adjacent, the spacing between the cables shall be the larger of the two spacings specified. Note that cables with a minimum spacing of 0%, may not be adjacent to existing or new cables with unspecified spacing. Where conduits are specified, the spacing refers to the spacing between conduits.
2. The length is an estimate only, and is not to be utilized for construction. The contractor is responsible for determining the required cable lengths.
3. This schedule is provided for reference only. The potential omission of any cables on this schedule, which may be required, does not reduce the contractor's responsibility in providing a complete installation.
4. All conductors are copper, unless indicated otherwise.
5. Legend:
  - OS Overall Shield
  - ISOS Individual and Overall Shield