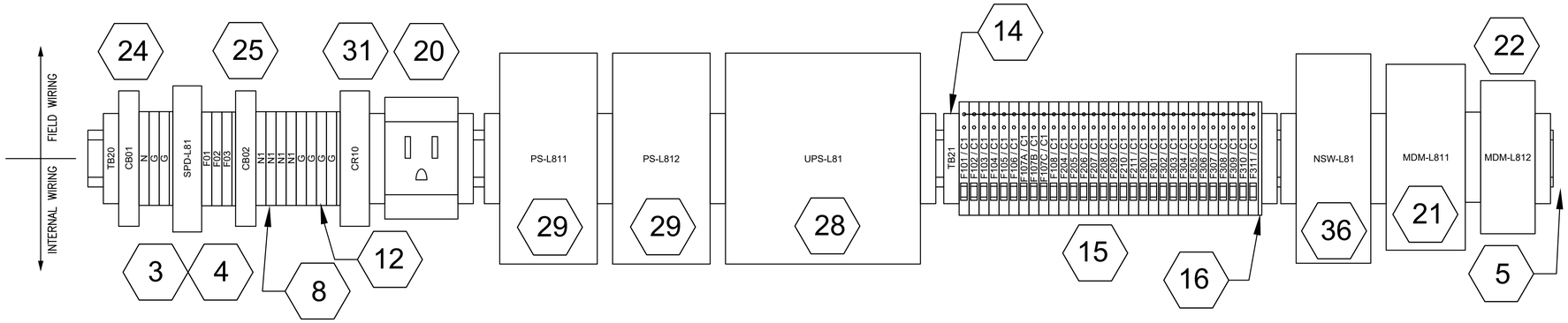


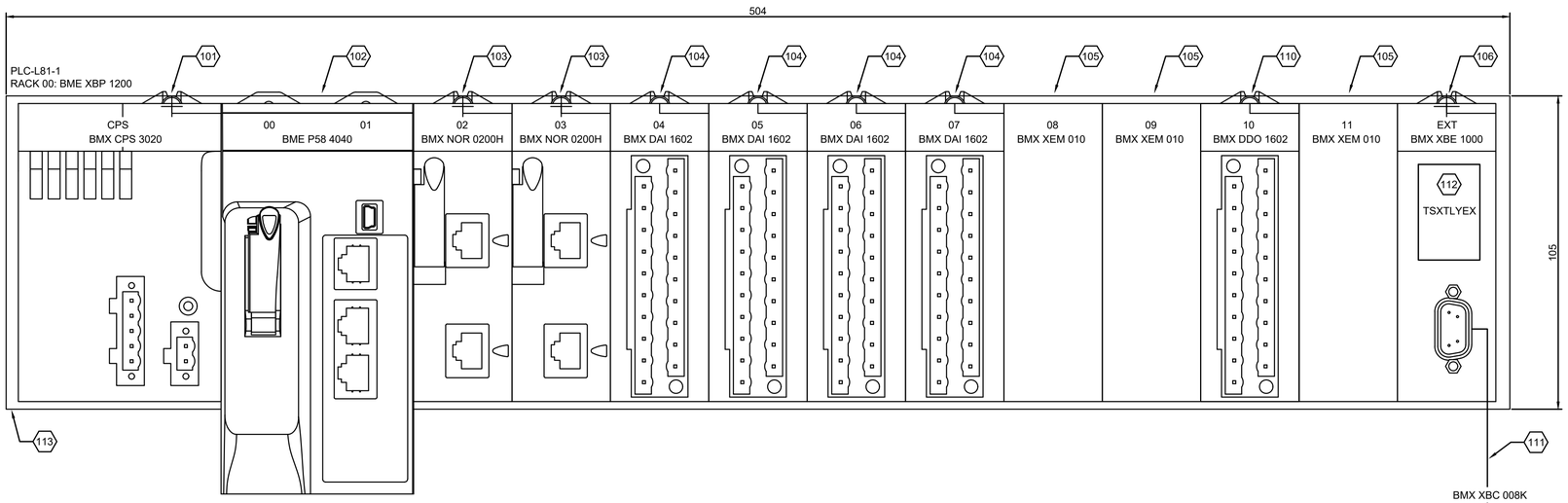


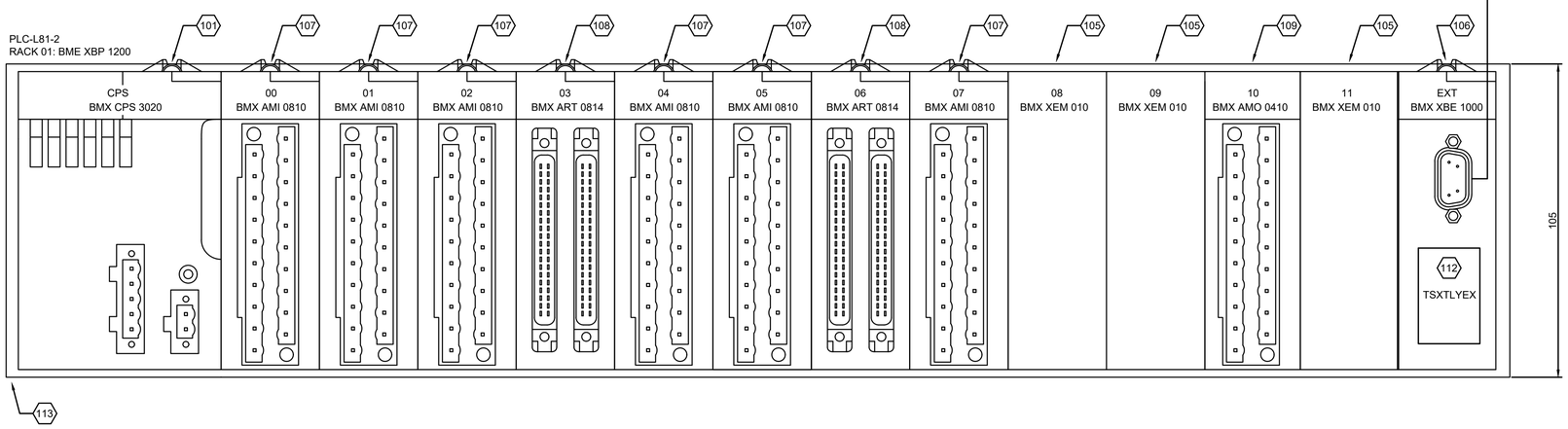


NOTES:

1. TERMINAL BLOCK BILL OF MATERIALS LOCATED ON DRAWING 1-0178L-A0002-001.
2. PROVIDE PRE-WIRED FLYING LEAD TERMINAL BLOCKS FOR ALL CARDS.

## BILLS OF MATERIEL

| ITEM | DESCRIPTION | MANUFACTURER | PRODUCT NUMBER |
|---|---|---|---|
| 101 | POWER SUPPLY MODULE | SCHNEIDER ELECTRIC | BMX CPS 3020 |
| 102 | PROCESSOR MODULE | SCHNEIDER ELECTRIC | BME P58 4040 |
| 103 | ETHERNET/SERIAL RTU MODULE | SCHNEIDER ELECTRIC | BMX NOR 0200H |
| 104 | DISCRETE INPUT MODULE (16 INPUTS) | SCHNEIDER ELECTRIC | BMX DAI 1602 |
| 105 | PROTECTIVE COVER | SCHNEIDER ELECTRIC | BMX XEM 010 |
| 106 | BACKPLANE EXPANDER | SCHNEIDER ELECTRIC | BMX XBE 1000 |
| 107 | ISOLATED ANALOG INPUT MODULE (8 INPUTS) | SCHNEIDER ELECTRIC | BMX AMI 0810 |
| 108 | RTD INPUT MODULE (8 INPUTS) | SCHNEIDER ELECTRIC | BMX ART 0814 |
| 109 | ISOLATED ANALOG OUTPUT MODULE (4 OUTPUTS) | SCHNEIDER ELECTRIC | BMX AMO 0410 |
| 110 | DISCRETE OUTPUT MODULE (16 OUTPUTS) | SCHNEIDER ELECTRIC | BMX DDO 1602 |
| 111 | BACKPLANE EXTENSION CABLE 0.8m | SCHNEIDER ELECTRIC | BMX XBC 008K |
| 112 | LINE TERMINATOR FOR RACK END | SCHNEIDER ELECTRIC | TSXTLYEX |
| 113 | RACK 12 SLOT / ETHERNET | SCHNEIDER ELECTRIC | BME XBP 1200 |

| DRAWING NUMBER | REFERENCE DRAWINGS |
|---|---|
| 1-0178L-A0012 | PLC I/O WIRING DIAGRAM CONTROL PANEL CP-L81 RACK 1, SLOT 10 |
| 1-0178L-A0011 | PLC I/O WIRING DIAGRAM CONTROL PANEL CP-L81 RACK 1, SLOT 06 & 07 |
| 1-0178L-A0010 | PLC I/O WIRING DIAGRAM CONTROL PANEL CP-L81 RACK 1, SLOT 04 |
| 1-0178L-A0009 | PLC I/O WIRING DIAGRAM CONTROL PANEL CP-L81 RACK 1, SLOT 02 & 03 |
| 1-0178L-A0008 | PLC I/O WIRING DIAGRAM CONTROL PANEL CP-L81 RACK 1, SLOT 00 & 01 |
| 1-0178L-A0007 | PLC I/O WIRING DIAGRAM CONTROL PANEL CP-L81 RACK 0, SLOT 10 |
| 1-0178L-A0006 | PLC I/O WIRING DIAGRAM CONTROL PANEL CP-L81 RACK 0, SLOT 06 & 07 |
| 1-0178L-A0005 | PLC I/O WIRING DIAGRAM CONTROL PANEL CP-L81 RACK 0, SLOT 04 & 05 |

NOT FOR CONSTRUCTION

ISSUED FOR TENDER

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 Date:

| NO. | REVISIONS | DATE | DESIGN | CHECK |
|---|---|---|---|---|
| 0 | ISSUED FOR TENDER | 2023/07/20 | CAL | BLM |

DILLON CONSULTING

DESIGNED BY: CAL
CHECKED BY: BLM
DRAWN BY: SK
APPROVED BY: BLM
SCALE: NTS
RELEASED FOR CONSTRUCTION BY:
DATE: MARCH 2023
DATE:
CONSULTANT NO.: 22-3229

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER OF MANITOBA
C.A. LANGE
Member
37791
2023/07/20

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

RIVERBEND LIFT PUMPING STATION
2023 UPGRADES
PANEL LAYOUT & BILL OF MATERIAL
CONTROL PANEL CP-L81

| CITY DRAWING NUMBER | SHEET | REV. | SIZE |
|---|---|---|---|
| 1-0178L-A0002 | 002 | 0 | A1 |

A1 SIZE - 594mm x 841mm

LAST SAVE: 2023/07/20 - 3:22pm
PATH: C:\pw working directory\projects 2022\dillon_40zntldms\7227\223229-04-CP-L81 PANEL LAYOUT 2.dwg

223229-04-CP-L81 PANEL LAYOU