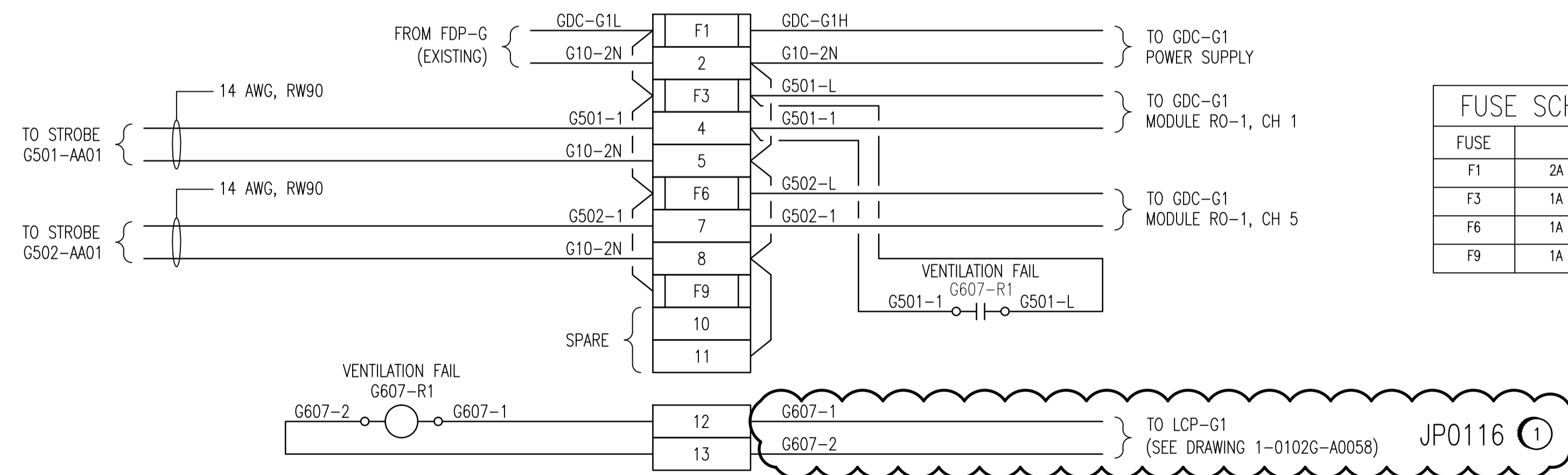


| BILL OF MATERIAL | | | | |
|------------------|---------|---|--------------|----------------------|
| ITEM | QTY. | DESCRIPTION | MANUFACTURER | CATALOG NO. |
| 1 | 1 | NEMA 4 ENCL., HINGED DOOR - 305x254x127 (12"x10"x5") | HOFFMAN | A1210CHNF |
| 2 | 1 | BACK PLATE FOR ITEM 1 | HOFFMAN | A12P10 |
| 3 | 9 | SAK 4/35 TERMINAL BLOCK | WEIDMULLER | 0443660000 |
| | AS REQ. | TERMINAL BLOCK END PLATE | WEIDMULLER | 0117960000 |
| 3 | AS REQ. | TERMINAL MARKER | WEIDMULLER | 468260000 |
| | AS REQ. | PHENOLIC TYPE NAMEPLATE C/W 6.35mm (1/4") LETTERING & 3.17mm (1/8") LETTERING | | |
| 4 | 4 | TERMINAL END HOLDER | WEIDMULLER | 0383560000 |
| 5 | 4 | TERMINAL END HOLDER | WEIDMULLER | 0383400000 |
| 6 | AS REQ. | MOUNTING RAIL | WEIDMULLER | 0225560000 |
| 7 | 1 | FUSE TERMINAL, 120 VAC, LED, C/W 2A FUSE | WEIDMULLER | 0225560000 |
| 8 | 3 | FUSE TERMINAL, 120 VAC, LED, C/W 1A FUSE | WEIDMULLER | 0225560000 |
| 9 | AS REQ. | FUSE TERMINAL END PLATE | WEIDMULLER | 0380360000 |
| 10 | 1 | RELAY, PLUG IN, SPDT 24 VDC | OMRON | G2R-1-SDN 24 VDC (S) |
| 11 | 1 | RELAY SOCKET, SCREEN TERMINALS | OMRON | P2RF-05-E |
| 12 | 1 | GROUND BAR, 7 TAPS | ILSCO | D167-7 |
| 13 | 1 | ARC FLASH STICKER OR LAMACOID | - | - |
| 14 | AS REQ. | WIRE DUCT, NARROW SLOT, 32x53.8mm | PANDUIT | FIX2LG6 C1LG6 |

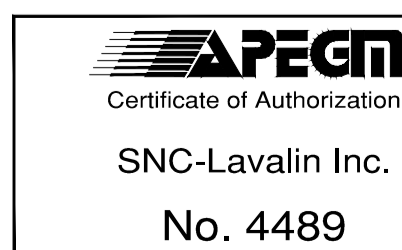
| CONSTRUCTION NOTES | |
|--------------------|--|
| 1 | WORK MARKED AS JP0116 IS NOT WITHIN THE SCOPE OF THE ESSENTIAL SYSTEMS UPGRADES PROJECT. |

WIRING DIAGRAM:



NOTES:

- LABEL ALL TERMINAL BLOCKS, COMPONENTS AND WIRES AS SHOWN ON THE DRAWINGS.
- SUPPLY AND INSTALL ALL REQUIRED FUSES.
- JUNCTION BOX IS TO BE CONSTRUCTED BY A PANEL SHOP AND BE CSA CERTIFIED.
- ALL INTERNAL WIRING TO BE 14 AWG, TEW/MTW 600V, 105°C INSULATION, STRANDED COPPER.



| NO. | REVISIONS | DATE | DESIGN | CHECK |
|-----|--------------------------------------|------------|--------|-------|
| 00 | ISSUED FOR TENDER, BID OPP. 209-2011 | 2011/03/11 | TMC | CJR |

| SNC-LAVALIN INC. | |
|-------------------------------|-----------------------|
| DESIGNED BY: | T. CHURCH |
| CHECKED BY: | C. REIMER |
| DRAWN BY: | S. COATES |
| APPROVED BY: | C. REIMER |
| SCALE: | AS SHOWN |
| RELEASED FOR CONSTRUCTION BY: | N. HARRINGTON |
| DATE: | 2009/10/23 |
| DATE: | 2011/03/11 |
| CONSULTANT NO.: | 112577-0106-480D-1206 |

ENGINEER'S SEAL
ORIGINAL DRAWING SEALED BY:
T. M. CHURCH
SNC-LAVALIN
MEMBER # 32682
2011/03/25
REV. 00

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
ESSENTIAL SYSTEM UPGRADES
JUNCTION BOX LAYOUT
JBA-GDC-G1

CITY DRAWING NUMBER: 1-0102G-A0051
SHEET: 001
REV: 00
SIZE: A1