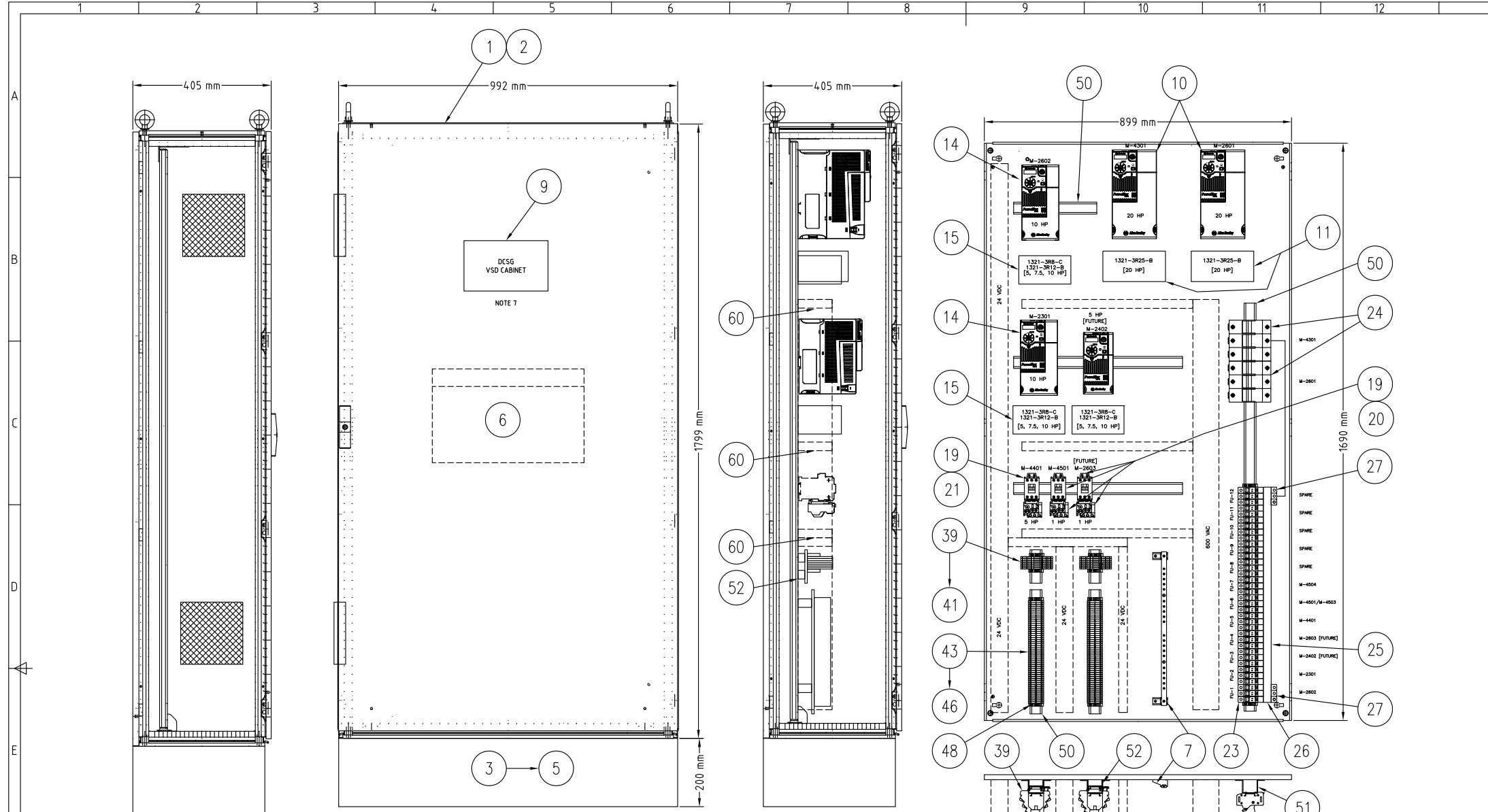


| RevNo | Revision note | Date | Signature | Checked |
|-------|---------------|------|-----------|---------|
| X     | X             |      |           |         |



| ITEM | QTY | MFR           | DESCRIPTION   | PART NO.      |
|------|-----|---------------|---|---------------|
| 1    | 1   | RITTAL        | ENCLOSURE, 997mm X 1805mm X 405mm (W X H X D), SINGLE DOOR C/W REAR DETACHABLE PANEL, MOUNT PLATE                       | 8084.500      |
| 2    | 1   | RITTAL        | TS SIDE PANELS, 1800 X 400mm, PACKAGE OF 2  | 8184.235      |
| 3    | 1   | RITTAL        | FLEX-BLOCK CORNER PIECES BASE/PLINTH SYSTEM, FIBREGLASS-REINFORCED PLASTIC  | 8200.000      |
| 4    | 1   | RITTAL        | FLEX-BLOCK TRIM PANELS, FOR 1000mm X 200mm (D X H), SOLID   | 8200.010      |
| 5    | 1   | RITTAL        | FLEX-BLOCK TRIM PANELS, FOR 400mm X 200mm (D X H), SOLID  | 8200.400      |
| 6    | 1   | RITTAL        | "SHEET STEEL WIRING PLAN POCKETS, 855mm X 210mm (W X H), 90mm DEEP"   | 4124.000      |
| 7    | 1   | RITTAL        | GROUND BUS, COPPER, 20 GROUNDING CLIPS, 2 ISOLATORS   | 7113.000      |
| 8    |     |               |   |               |
| 9    | 1   | BY SHOP       | LAMACOID LABEL, 250mm X 150mm (W X H), ENGRAVED WITH 15mm HIGH TEXT AS INDICATED, BLACK LETTERING ON WHITE              |               |
| 10   | 2   | ALLEN BRADLEY | POWERFLEX 525, 600V, 3 PH, 20 HP VARIABLE SPEED DRIVE, NORMAL DUTY; HEAVY DUTY, FRAME D, IP20 NEMA / OPEN TYPE, NO FILT | 25B-E022N104  |
| 11   | 2   | ALLEN BRADLEY | LINE REACTORS FOR ITEM 10, OPEN STYLE, 25 AMPS, 1.2 MH  | 1321-3R25-B   |
| 12   |     |               |   |               |
| 13   |     |               |   |               |
| 14   | 2   | ALLEN BRADLEY | POWERFLEX 525, 600V, 3 PH, 10 HP VARIABLE SPEED DRIVE   | 25B-E012N104  |
| 15   | 2   | ALLEN BRADLEY | LINE REACTORS FOR ITEM 14, OPEN STYLE, 12 AMPS, 2.5 MH  | 1321-3R12-B   |
| 16   |     |               |   |               |
| 17   |     |               |   |               |
| 18   |     |               |   |               |
| 19   | 3   | FUJI          | SC-E CONTACTOR, FULL-VOLTAGE, NON-REVERSING MOTOR STARTER, SIZE 00, 5HP @ 600VAC  | 5C-E02G-24VDC |
| 20   | 2   | FUJI          | TK-E OVERLOAD RELAY, 0.95-1.45A ADJUSTED RANGE  | TK-E02-145    |
| 21   | 1   | FUJI          | TK-E OVERLOAD RELAY, 4-6A ADJUSTED RANGE  | TK-E02-600    |
| 22   |     |               |   |               |
| 23   | 12  | BUSSMANN      | CH SERIES MODULAR FUSE HOLDER, CHM 10X38 AND MIDGET, 600V/30A, 3-POLE, 18-4 AWG   | CHM3DU        |
| 24   | 2   | BUSSMANN      | CH SERIES MODULAR FUSE HOLDER, CH CLASS J, 600V/60A, 3-POLE, 1-18 AWG   | CH60I3        |
| 25   | 1   | BUSSMANN      | COM-BUS BAR, 3PH, 600V CUTTABLE 100A, 57 PINS, WITHOUT ENDCAP (19) 3PH HOLDERS  | BB3P100M57    |
| 26   | 2   | BUSSMANN      | 3 PHASE BUSBAR ENDCAP   | ECAPMP        |
| 27   | 6   | BUSSMANN      | 35sq-mm, FEEDER TERMINAL FOR 3PH BUSBAR (115A, 1000VAC/DC)  | PWR35MM       |
| 28   | 18  | BUSSMANN      | SPARE CONTACT SAFETY PROTECTION COVER   | FSCVR         |
| 29   |     |               |   |               |
| 30   | 6   | BUSSMANN      | 13/32" X 1-1/2" 600VAC FAST-ACTING SUPPLEMENTAL FUSES, 5A   | KLM-5         |
| 31   | 3   | BUSSMANN      | 13/32" X 1-1/2" 600VAC FAST-ACTING SUPPLEMENTAL FUSES, 10A  | KLM-10        |
| 32   | 3   | BUSSMANN      | 13/32" X 1-1/2" 600VAC FAST-ACTING SUPPLEMENTAL FUSES, 12A  | KLM-12        |
| 33   | 3   | BUSSMANN      | 13/32" X 1-1/2" 600VAC FAST-ACTING SUPPLEMENTAL FUSES, 15A  | KLM-15        |
| 34   | 6   | BUSSMANN      | 13/32" X 1-1/2" 600VAC FAST-ACTING SUPPLEMENTAL FUSES, 20A  | KLM-20        |
| 35   | 3   | BUSSMANN      | 13/32" X 1-1/2" 600VAC FAST-ACTING SUPPLEMENTAL FUSES, 25A  | KLM-25        |
| 36   |     | BUSSMANN      | 13/32" X 1-1/2" 600VAC FAST-ACTING SUPPLEMENTAL FUSES, 30A  | KLM-30        |
| 37   | 3   | BUSSMANN      | JDL, CLASS J 600VAC, 35A, DUAL-ELEMENT, TIME DELAY FUSE   | JDL35         |
| 38   |     |               |   |               |
| 39   | 12  | WEIDMULLER    | RELAY, SPDT/6A, LED, 24VDC COIL, SCREW CLAMP, DIN MOUNT   | 8533640000    |
| 40   | 2   | WEIDMULLER    | CROSS-CONNECTION, 10-POLE, BLACK, "SPDT RELAY"  | 1794060000    |

| ITEM | QTY  | MFR      | DESCRIPTION   | PART NO.   | ITEM | QTY  | MFR        | DESCRIPTION   | PART NO.   |
|------|------|----------|---|------------|------|------|------------|---|------------|
| 54   |      | ENTRELEC | TERMINAL BLOCK BLANK MARKING TAGS, 6m SPACING, 10X10 PER CARD, VERTICAL PRINTED NUMBER RANGE (SEE ATTACHMENT FOR CUSTOM LABELS) | 233 000.01 | 41   | 1    | WEIDMULLER | BLANK MARKING TAGS, 12 x 6 mm WS 10/6, 120 PER CARD       | 1060960000 |
| 55   |      |          |   |            | 42   |      |            |   |            |
| 56   |      | IBICO    | WIRE DUCT, 4.0 x 4.0 IN., 4/PK, GRY, SLOTTED, 2M, WITH COVER  | T1-4040G   | 43   | 100  | ENTRELEC   | STANDARD TERMINAL BLOCK, M 4/6, WITH TEST 2mm TEST SOCKET | 115 217.14 |
| 57   | 1.2m | IBICO    | WIRE DUCT, 3.0 x 4.0 IN., 4/PK, GRY, SLOTTED, 2M, WITH COVER  | T1-3040G   | 44   |      | ENTRELEC   | FUSED TERMINAL BLOCKM4/8.SF                               | 115 657.25 |
| 58   | 2.0m | IBICO    | WIRE DUCT, 2.25 x 4.0 IN., 4/PK, GRY, SLOTTED, 2M, WITH COVER   | T1-2240G   | 45   |      | ENTRELEC   | TERMINAL BLOCKS, M 6/8                                    | 115 118.11 |
| 59   |      | IBICO    | WIRE DUCT, 1.5 x 4.0 IN., 4/PK, GRY, SLOTTED, 2M, WITH COVER  | T1-1540G   | 46   | 2    | ENTRELEC   | END SECTION, M4/6   | 118 368.16 |
| 60   | 2.3m | IBICO    | WIRE DUCT, 1.0 x 4.0 IN., 8/PK, GRY, SLOTTED, 2M, WITH COVER  | T1-1040G   | 47   |      | ENTRELEC   | END SECTION, M4/8.SF                                      | 116 951.15 |
| 61   |      |          |   |            | 48   | 8    | ENTRELEC   | END STOP (ALL RAILS)                                      | 206 351.16 |
| 62   |      |          |   |            | 49   |      | ENTRELEC   | SEPARATOR END SECTION, RAIL MOUNT, SCF6                   | 118 707.03 |
|      |      |          |   |            | 50   | 3.7m | ENTRELEC   | ASSEMBLY RAIL, PR30 (TS 35/F6), DIN 3, 35mm, 2 meter      | 173 220.05 |
|      |      |          |   |            | 51   | 7    | ENTRELEC   | RAIL OFFSET MTG BRACKET, TS0441-SM6 40mm HIGH             | 101 655.06 |
|      |      |          |   |            | 52   | 4    | ENTRELEC   | RAIL OFFSET MTG BRACKET, TS0441-SM6 20mm HIGH             | 101 653.04 |
|      |      |          |   |            | 53   | 26   | ENTRELEC   | SM6 MTG BRACKET SCREWS                                    | 101 659.12 |

| REFERENCE DRAWINGS |     |             |
|--------------------|-----|-------------|
| DWG NO.            | REV | DESCRIPTION |
|                    |     |             |
|                    |     |             |
|                    |     |             |

NOTES  
1. CONTRACTOR TO ENSURE SUFFICIENT GROUNDING HARDWARE AVAILABLE. NEW GROUNDING BUS TO BE MOUNTED AS REQUIRED.  
2. LABEL TO BE MOUNTED ON CABINET EXTERIOR. LAMACOID LABEL, 250mm X 150mm (WXH), ENGRAVED WITH 15mm HIGH TEXT AS INDICATED, BLACK LETTERING ON WHITE.  
3. ALL ITEMS IN BILL OF MATERIAL SUPPLIED BY NRCAN.

**Canada**  
Natural Resources Canada  
Ressources naturelles Canada  
Centre de la technologie de l'énergie de CANMET

**EngServ**  
CANMET Engineering Services Group

| Itemref                | Quantity              | Title/Name, designation, material, dimension etc | Article No./Reference                        |
|------------------------|-----------------------|--|--|
| Designed by S. BETHUNE | Checked by S. BETHUNE | Approved by - date                               | File name P001617-XXX Date 18 MAY 2016 Scale |
| NRCAN-CFF, DCSG        |                       | VSD CABINET ASSY                                 |  |
|                        |                       | D-P001617-XXX                                    | Edition 0 Sheet 1/1                          |