| DOCUMENT STATUS | |
|---|---|
| FOR INFORMATION | ☐ |
| COMMENTED | ☐ |
| APPROVED WITH COMMENTS | ☐ |
| APPROVED FOR DESIGN/CONSTRUCTION | ☐ |
| REJECTED | ☐ |

EMERSON™

# GENERAL AND INTERNAL ARRANGEMENT DRAWING - FRACTIONATION 1

# DCS SERANG PROJECT

| REV. | DESCRIPTION | DATE | DRAWN BY | CHECKED BY | APPROVED BY |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| 0 | AS BUILT | 29/08/19 | AS/NAM | LKL | MNI |
| A | ISSUE FOR COMMENT | 04/10/18 | AS | LKL | MNI |

CUSTOMER : WILMAR INDUSTRIAL COMPLEX PT MNA SERANG, INDONESIA
CONTRACT NO. : –
PROJECT TITLE : DCS SERANG PROJECT
CUSTOMER PROJECT NO. : –

wilmar

PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)

EMERSON

SCALE: NTS
SIZE: A3
UNITS: mm (inch)
© 2018

EMERSON PROJECT NO.: 3258585
PROJECT TITLE: DCS SERANG PROJECT

TITLE: COVER SHEET

EMERSON DRAWING NO.: 3258585-PSS-PASH-DWG-00013
CUSTOMER DRAWING NO.: –

SHEET NO: 001
REV.: 0

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# DRAWING INDEX & REVISION

| DRAWING NO. | | DRAWING TITLE | DATE | REV. | DATE | REV. | DATE | REV. | DATE | REV. | DATE | REV. | DATE | REV. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3258585-PSS-PASH-DWG-00013 | SHT.001 | COVER SHEET | 04/10/18 | A | 29/08/19 | 0 | | | | | | | | |
| 3258585-PSS-PASH-DWG-00013 | SHT.002 | DRAWING INDEX & REVISION | 04/10/18 | A | 29/08/19 | 0 | | | | | | | | |
| 3258585-PSS-PASH-DWG-00013 | SHT.003 | RIO CABINET – FR1-RIO-001 – (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW) | 04/10/18 | A | 29/08/19 | 0 | | | | | | | | |
| 3258585-PSS-PASH-DWG-00013 | SHT.004 | RIO CABINET – FR1-RIO-001 – (FRONT VIEW, SECTION A-A & SECTION B-B) | 04/10/18 | A | 29/08/19 | 0 | | | | | | | | |
| 3258585-PSS-PASH-DWG-00013 | SHT.005 | RIO CABINET – FR1-RIO-001 – BILL OF MATERIAL | 04/10/18 | A | 29/08/19 | 0 | | | | | | | | |
| 3258585-PSS-PASH-DWG-00013 | SHT.006 | RIO CABINET – FR1-RIO-002 – (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW) | 04/10/18 | A | 29/08/19 | 0 | | | | | | | | |
| 3258585-PSS-PASH-DWG-00013 | SHT.007 | RIO CABINET – FR1-RIO-002 – (FRONT VIEW, SECTION A-A & SECTION B-B) | 04/10/18 | A | 29/08/19 | 0 | | | | | | | | |
| 3258585-PSS-PASH-DWG-00013 | SHT.008 | RIO CABINET – FR1-RIO-002 – BILL OF MATERIAL | 04/10/18 | A | 29/08/19 | 0 | | | | | | | | |
| 3258585-PSS-PASH-DWG-00013 | SHT.009 | RIO CABINET – FR1-RIO-003 – (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW) | 04/10/18 | A | 29/08/19 | 0 | | | | | | | | |
| 3258585-PSS-PASH-DWG-00013 | SHT.010 | RIO CABINET – FR1-RIO-003 – (FRONT VIEW, SECTION A-A & SECTION B-B) | 04/10/18 | A | 29/08/19 | 0 | | | | | | | | |
| 3258585-PSS-PASH-DWG-00013 | SHT.011 | RIO CABINET – FR1-RIO-003 – BILL OF MATERIAL | 04/10/18 | A | 29/08/19 | 0 | | | | | | | | |
| 3258585-PSS-PASH-DWG-00013 | SHT.012 | RIO CABINET – FR1-RIO-004 – (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW) | 04/10/18 | A | 29/08/19 | 0 | | | | | | | | |
| 3258585-PSS-PASH-DWG-00013 | SHT.013 | RIO CABINET – FR1-RIO-004 – (FRONT VIEW, SECTION A-A & SECTION B-B) | 04/10/18 | A | 29/08/19 | 0 | | | | | | | | |
| 3258585-PSS-PASH-DWG-00013 | SHT.014 | RIO CABINET – FR1-RIO-004 – BILL OF MATERIAL | 04/10/18 | A | 29/08/19 | 0 | | | | | | | | |
| 3258585-PSS-PASH-DWG-00013 | SHT.015 | RIO CABINET – FR1-RIO-005 – (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW) | 04/10/18 | A | 29/08/19 | 0 | | | | | | | | |
| 3258585-PSS-PASH-DWG-00013 | SHT.016 | RIO CABINET – FR1-RIO-005 – (FRONT VIEW, SECTION A-A & SECTION B-B) | 04/10/18 | A | 29/08/19 | 0 | | | | | | | | |
| 3258585-PSS-PASH-DWG-00013 | SHT.017 | RIO CABINET – FR1-RIO-005 – BILL OF MATERIAL | 04/10/18 | A | 29/08/19 | 0 | | | | | | | | |
| 3258585-PSS-PASH-DWG-00013 | SHT.018 | RIO CABINET – FR1-RIO-006 – (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW) | 04/10/18 | A | 29/08/19 | 0 | | | | | | | | |
| 3258585-PSS-PASH-DWG-00013 | SHT.019 | RIO CABINET – FR1-RIO-006 – (FRONT VIEW, SECTION A-A & SECTION B-B) | 04/10/18 | A | 29/08/19 | 0 | | | | | | | | |
| 3258585-PSS-PASH-DWG-00013 | SHT.020 | RIO CABINET – FR1-RIO-006 – BILL OF MATERIAL | 04/10/18 | A | 29/08/19 | 0 | | | | | | | | |

wilmar

PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)

EMERSON.

SCALE: NTS | SIZE: A3
UNITS: mm (inch) | © 2018

EMERSON PROJECT NO.: 3258585
PROJECT TITLE: DCS SERANG PROJECT

TITLE: DRAWING INDEX & REVISION

EMERSON DRAWING NO.: 3258585-PSS-PASH-DWG-00013
CUSTOMER DRAWING NO.: –

SHEET NO: 002
REV.: 0

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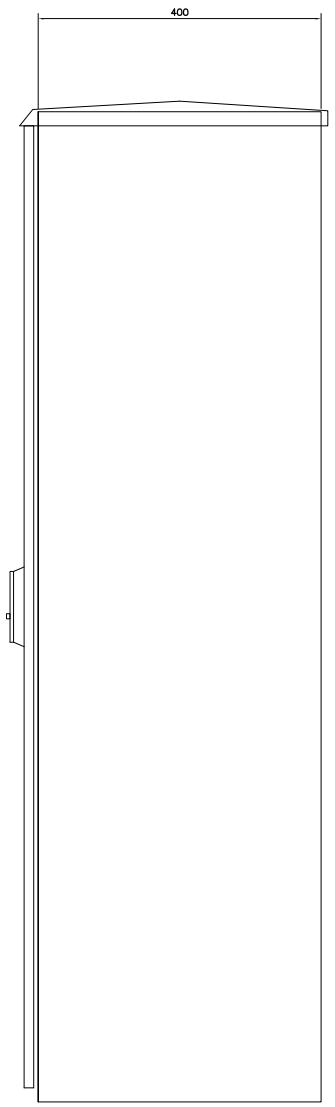
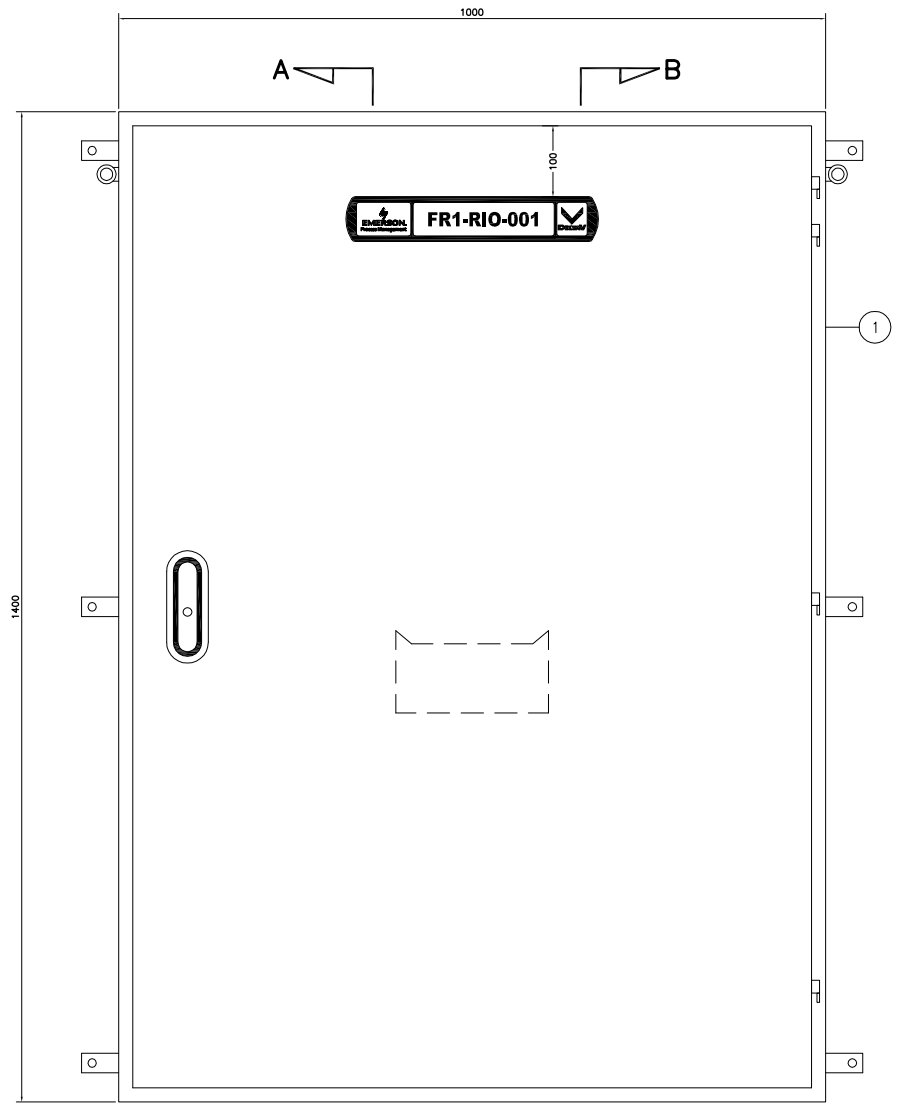
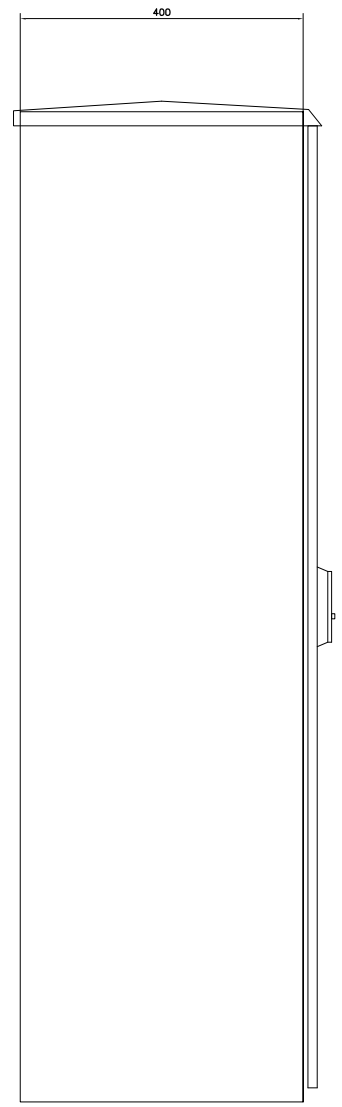


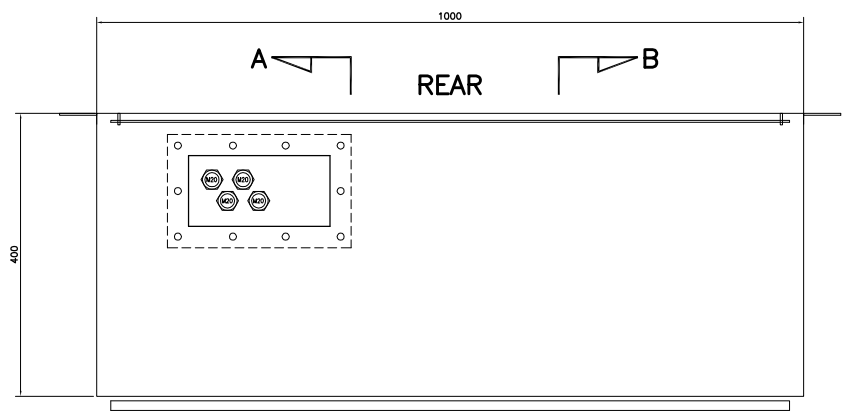

LEFT SIDE VIEW
RIO CABINET – FR1–RIO–001




A FRONT DOOR VIEW B
RIO CABINET – FR1–RIO–001




RIGHT SIDE VIEW
RIO CABINET – FR1–RIO–001




A BOTTOM VIEW B
RIO CABINET – FR1–RIO–001

| | | | | | | |
|---|---|---|---|---|---|---|
| wilmar | PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s) | EMERSON. | SCALE: NTS / UNITS: mm (inch) | SIZE: A3 / © 2018 | EMERSON PROJECT NO.: 3258585<br>PROJECT TITLE: DCS SERANG PROJECT | TITLE: RIO CABINET – FR1–RIO–001 (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW) | EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00013<br>CUSTOMER DRAWING NO.: – | SHEET NO: 003<br>REV.: 0 |

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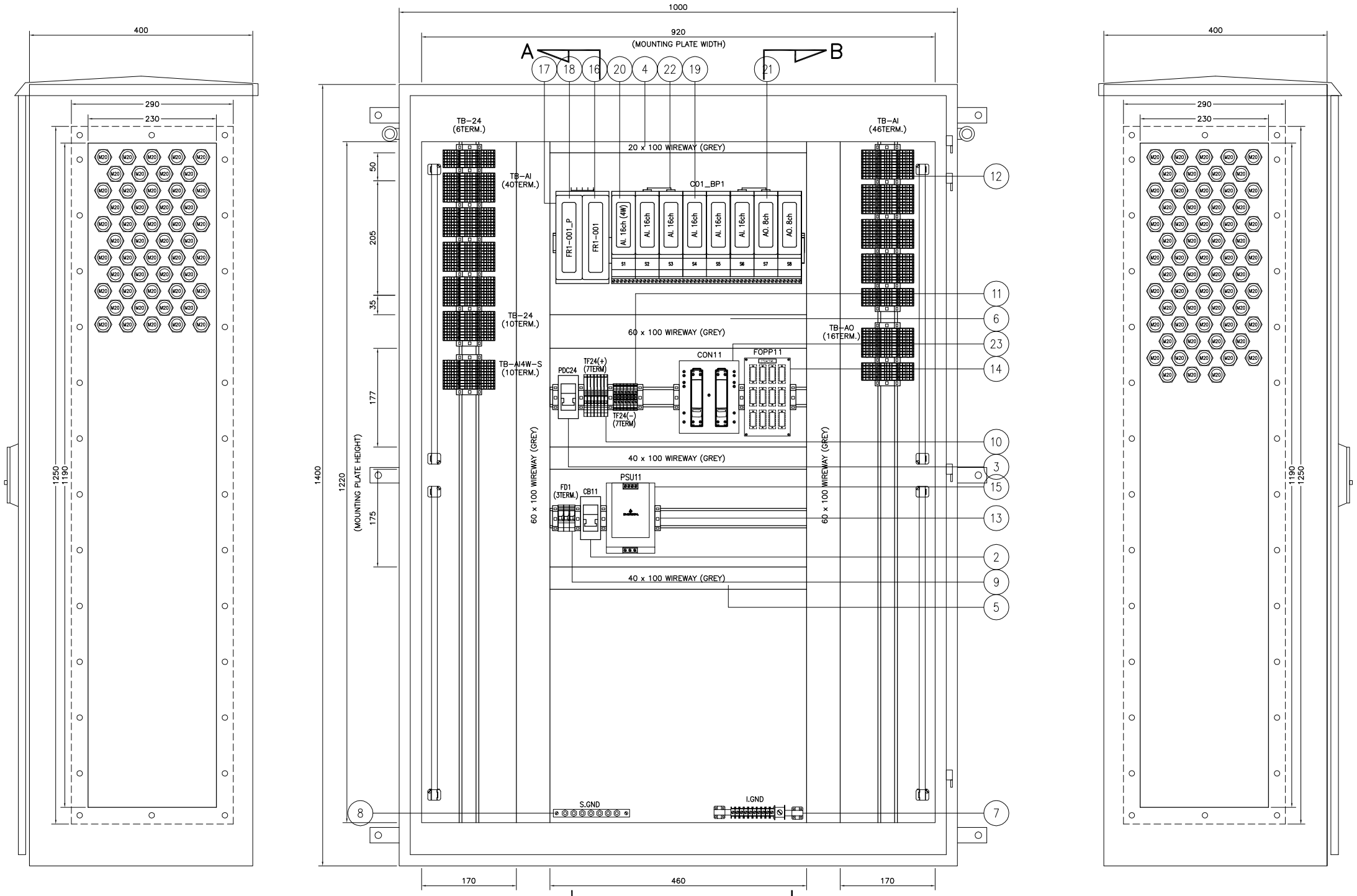


| | | | | | | | |
|---|---|---|---|---|---|---|---|
| wilmar | PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s) | EMERSON | SCALE: NTS<br>UNITS: mm (inch) | SIZE: A3<br>© 2018 | EMERSON PROJECT NO.: 3258585<br>PROJECT TITLE: DCS SERANG PROJECT | TITLE: RIO CABINET – FR1-RIO-001 (FRONT VIEW, SECTION A-A & SECTION B-B) | EMERSON DRAWING NO.: 3258585-PSS-PASH-DWG-00013<br>CUSTOMER DRAWING NO.: – | SHEET NO: 004<br>REV.: 0 |

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# BILL OF MATERIALS

| ITEM NO. | DESCRIPTION | PART NUMBER | QTY. | MANUFACTURER |
|---|---|---|---|---|
| 01 | RIO CABINET (W1000 X H1400 X D400) FRONT ACCESS | NKD-3262869-02 | 1 SET | GRP INDUSTRIES |
| 02 | AC MCB 2POLE (10A) | IK60N C10A | 1 PC | SCHNEIDER |
| 03 | DC MCB 2POLE (20A) | C60H-DC C20A | 1 PC | SCHNEIDER |
| 04 | 20 X 100 mm PVC WIREWAY (GREY) | – | 1 LOT | CONTRACTOR |
| 05 | 40 X 100 mm PVC WIREWAY (GREY) | – | 1 LOT | CONTRACTOR |
| 06 | 60 X 100 mm PVC WIREWAY (GREY) | – | 1 LOT | CONTRACTOR |
| 07 | INSTRUMENT GROUND BAR | – | 1 LOT | CONTRACTOR |
| 08 | SAFETY GROUND BAR | – | 1 LOT | CONTRACTOR |
| 09 | 2-COND THROUGH TERMINAL BLOCK, 10MM SQ | 2010-1201 | 3 PCS | WAGO |
| 10 | FUSE DISCONNECT TB WITH FUSE BLOW INDICATOR, 24VDC, 4MM SQ | 2004-1611/1000-0541 | 7 PCS | WAGO |
| 11 | 2-COND THROUGH TERMINAL BLOCK, 4MM SQ | 2004-1201 | 7 PCS | WAGO |
| 12 | DOUBLE DECK DISCONNECT TERMINAL BLOCK, 2.5MM SQ | 2002-2671 | 112 PCS | WAGO |
| 13 | END STOPPER | 249-117 | 1 LOT | WAGO |
| 14 | FIBER OPTIC PATCH PANEL (BY OTHERS) | TBA | 1 PC | TBA |
| 15 | DELTAV BULK POWER SUPPLY 100-240 V AC TO 24 V DC, 20A | VE5126 | 1 PC | EMERSON PROCESS |
| 16 | REMOTE INTERFACE UNIT FOR ZONE 2 REMOTE I/O | VE4021 | 1 PC | EMERSON PROCESS |
| 17 | 2-WIDE POWER/CONTROLLER CARRIER | VE3051C0 | 1 PC | EMERSON PROCESS |
| 18 | ENHANCED SYSTEM POWER SUPPLY; (DUAL DC/DC) INPUT | VE5009 | 1 PC | EMERSON PROCESS |
| 19 | ANALOG INPUT CARD; 16 CHANNELS; 4-20 MA; HART; I/O TERMINATION BLOCK | VE4003S2B6 | 5 PCS | EMERSON PROCESS |
| 20 | ANALOG INPUT CARD; 16 CHANNELS; 4-20 MA; HART; 4-WIRE; I/O TERMINATION BLOCK | VE4003S2B7 | 1 PC | EMERSON PROCESS |
| 21 | ANALOG OUTPUT, 8 CHANNELS 4-20 MA, HART, STANDARD I/O TERMINATION BLOCK | VE4005S2B1 | 2 PCS | EMERSON PROCESS |
| 22 | 8-WIDE I/O INTERFACE CARRIER WITH CARRIER SHIELD BAR | VE3051C0 | 1 PC | EMERSON PROCESS |
| 23 | DUAL SINGLE MODE MEDIA CONVERTER ASSEMBLY | VE6060 | 1 PC | EMERSON PROCESS |
| 24 | DOUBLE DECK FUSE TERMINAL BLOCK WITH INDICATOR, 2.5MM SQ | 2002-2611 | 16 PCS | WAGO |
| 25 | | | | |
| 26 | | | | |
| 27 | | | | |
| 28 | | | | |

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PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)

EMERSON

SCALE: NTS | SIZE: A3
UNITS: mm (inch) | © 2018

EMERSON PROJECT NO.: 3258585
PROJECT TITLE: DCS SERANG PROJECT

TITLE: RIO CABINET – FR1-RIO-001 BILL OF MATERIAL

EMERSON DRAWING NO.: 3258585-PSS-PASH-DWG-00013
CUSTOMER DRAWING NO.: –

SHEET NO: 005
REV.: 0

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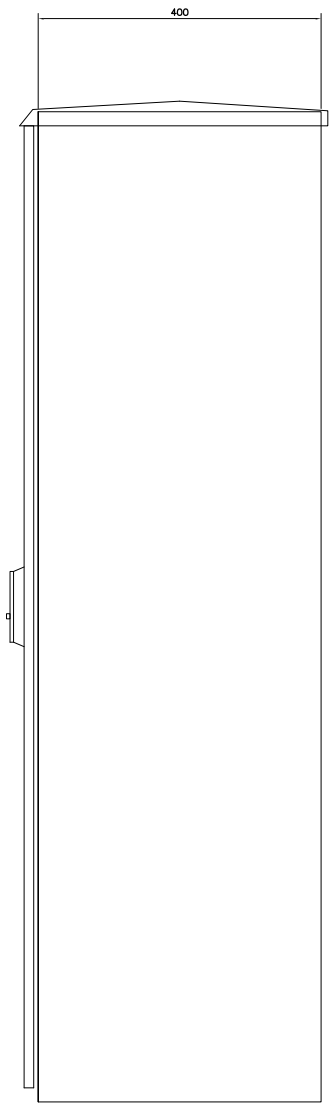
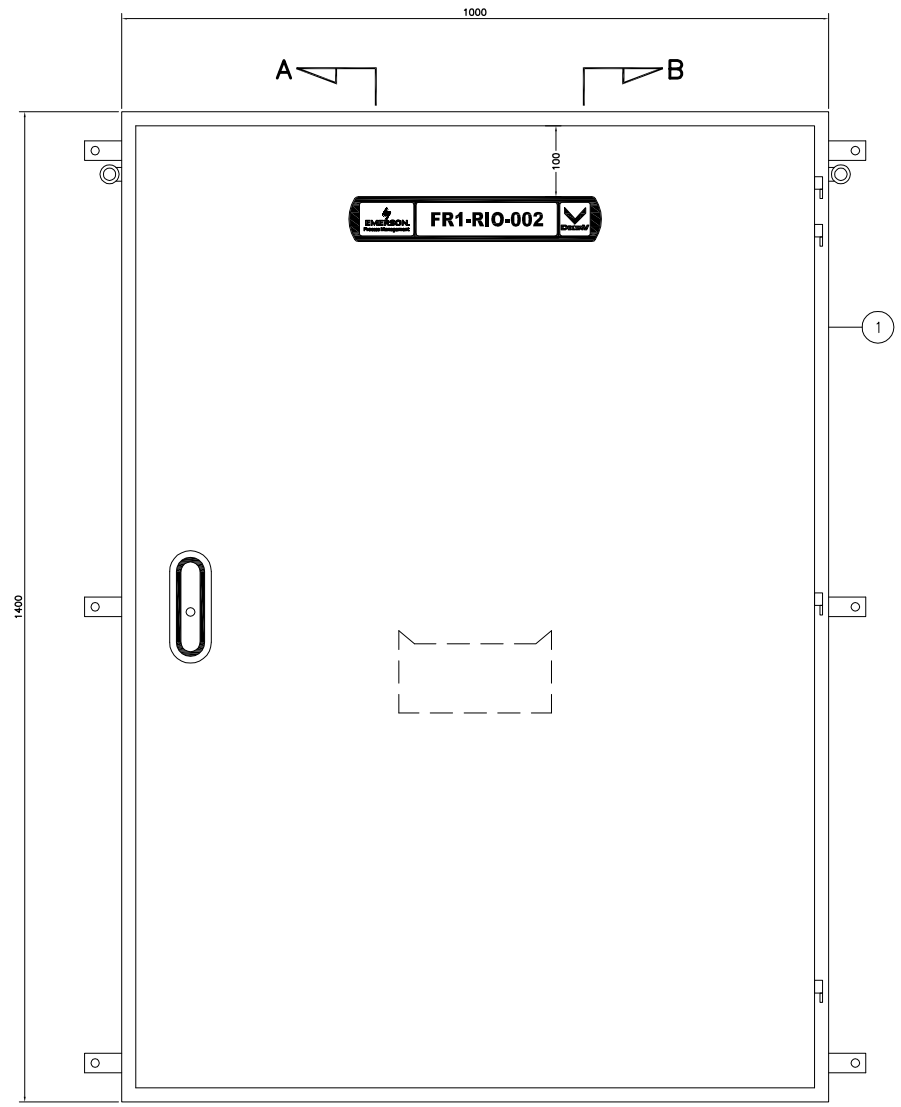
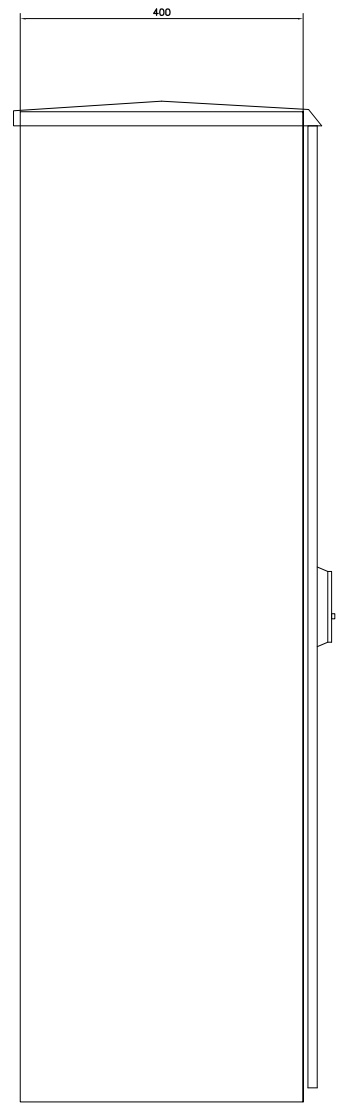


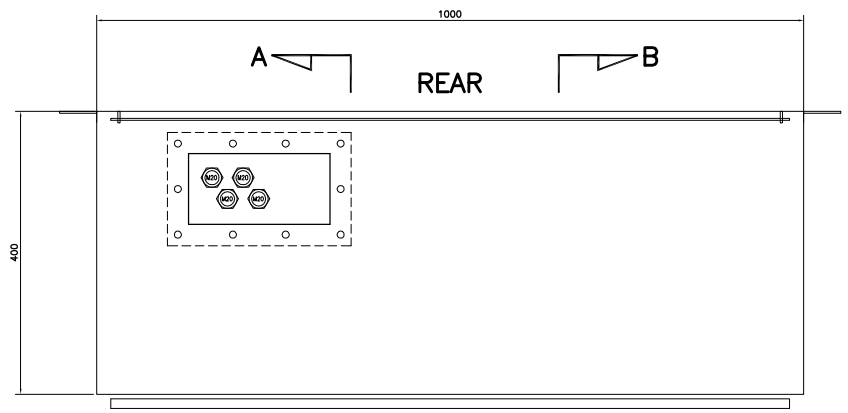

LEFT SIDE VIEW
RIO CABINET – FR1–RIO–002




A FRONT DOOR VIEW B
RIO CABINET – FR1–RIO–002




RIGHT SIDE VIEW
RIO CABINET – FR1–RIO–002




A BOTTOM VIEW B
RIO CABINET – FR1–RIO–002

| | | | | | | |
|---|---|---|---|---|---|---|
| wilmar | PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s) | EMERSON. | SCALE: NTS / UNITS: mm (inch) | SIZE: A3 / © 2018 | EMERSON PROJECT NO.: 3258585<br>PROJECT TITLE: DCS SERANG PROJECT | TITLE: RIO CABINET – FR1–RIO–002 (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW) | EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00013<br>CUSTOMER DRAWING NO.: – | SHEET NO: 006<br>REV.: 0 |

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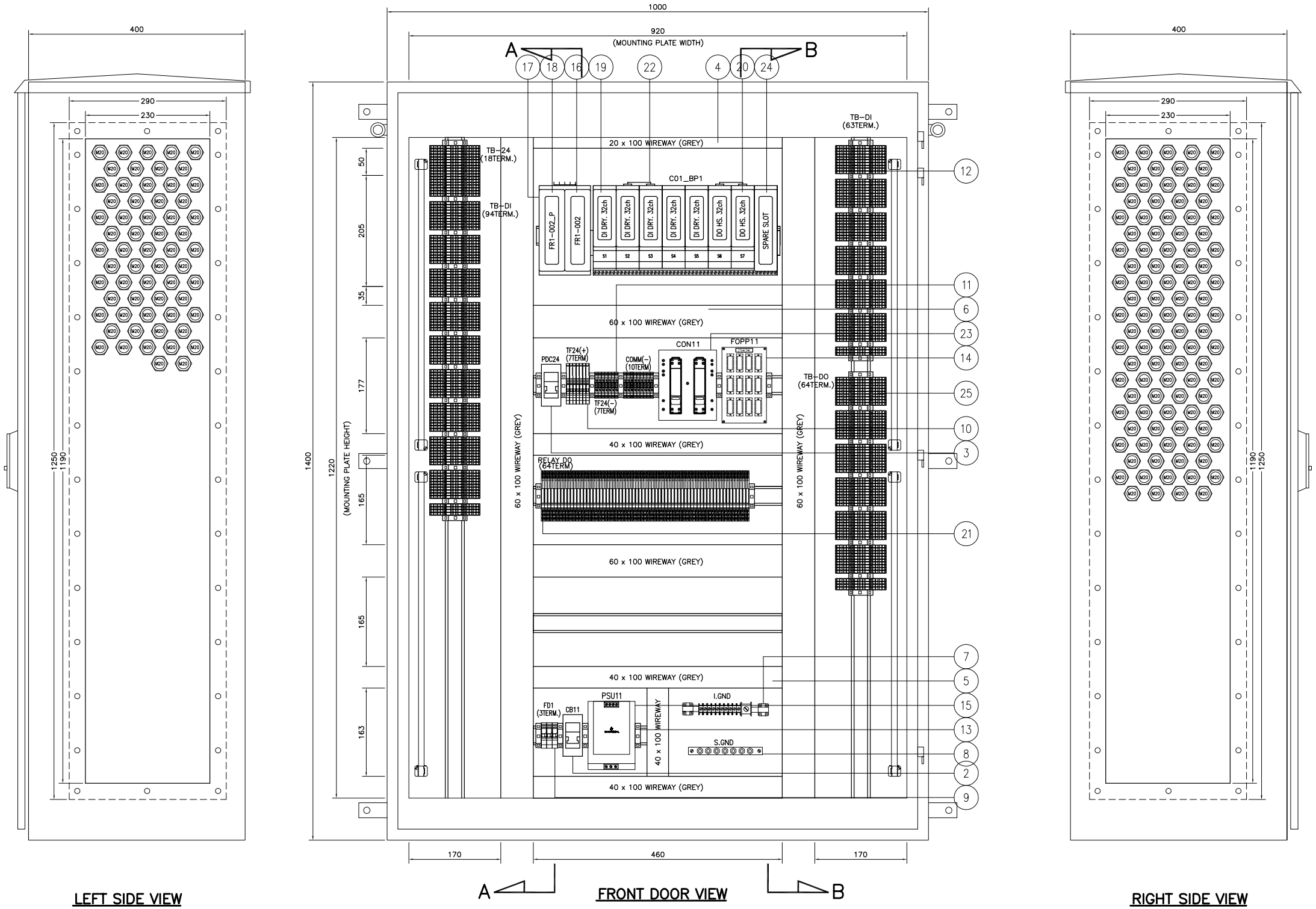


| | | | | | | |
|---|---|---|---|---|---|---|
| wilmar | PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s) | EMERSON. | SCALE: NTS<br>UNITS: mm (inch) | SIZE: A3<br>© 2018 | EMERSON PROJECT NO.: 3258585<br>PROJECT TITLE: DCS SERANG PROJECT | TITLE: RIO CABINET – FR1-RIO-002 (FRONT VIEW, SECTION A-A & SECTION B-B) | EMERSON DRAWING NO.: 3258585-PSS-PASH-DWG-00013<br>CUSTOMER DRAWING NO.: – | SHEET NO: 007<br>REV.: 0 |

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# BILL OF MATERIALS

| ITEM NO. | DESCRIPTION | PART NUMBER | QTY. | MANUFACTURER |
|---|---|---|---|---|
| 01 | RIO CABINET (W1000 X H1400 X D400) FRONT ACCESS | NKD-3262869-02 | 1 SET | GRP INDUSTRIES |
| 02 | AC MCB 2POLE (10A) | IK60N C10A | 1 PC | SCHNEIDER |
| 03 | DC MCB 2POLE (20A) | C60H-DC C20A | 1 PC | SCHNEIDER |
| 04 | 20 X 100 mm PVC WIREWAY (GREY) | – | 1 LOT | CONTRACTOR |
| 05 | 40 X 100 mm PVC WIREWAY (GREY) | – | 1 LOT | CONTRACTOR |
| 06 | 60 X 100 mm PVC WIREWAY (GREY) | – | 1 LOT | CONTRACTOR |
| 07 | INSTRUMENT GROUND BAR | – | 1 LOT | CONTRACTOR |
| 08 | SAFETY GROUND BAR | – | 1 LOT | CONTRACTOR |
| 09 | 2-COND THROUGH TERMINAL BLOCK, 10MM SQ | 2010-1201 | 3 PCS | WAGO |
| 10 | FUSE DISCONNECT TB WITH FUSE BLOW INDICATOR, 24VDC, 4MM SQ | 2004-1611/1000-0541 | 7 PCS | WAGO |
| 11 | 2-COND THROUGH TERMINAL BLOCK, 4MM SQ | 2004-1201 | 17 PCS | WAGO |
| 12 | DOUBLE DECK DISCONNECT TERMINAL BLOCK, 2.5MM SQ | 2002-2671 | 157 PCS | WAGO |
| 13 | END STOPPER | 249-117 | 1 LOT | WAGO |
| 14 | FIBER OPTIC PATCH PANEL (BY OTHERS) | TBA | 1 PC | TBA |
| 15 | DELTAV BULK POWER SUPPLY 100-240 V AC TO 24 V DC, 20A | VE5126 | 1 PC | EMERSON PROCESS |
| 16 | REMOTE INTERFACE UNIT FOR ZONE 2 REMOTE I/O | VE4021 | 1 PC | EMERSON PROCESS |
| 17 | 2-WIDE POWER/CONTROLLER CARRIER | VE3051C0 | 1 PC | EMERSON PROCESS |
| 18 | ENHANCED SYSTEM POWER SUPPLY; (DUAL DC/DC) INPUT | VE5009 | 1 PC | EMERSON PROCESS |
| 19 | DISCRETE INPUT CARD: 32 CHANNELS 24 VDC; DRY CONTACT; TERMINATION BLOCK | VE4001S2T2B4 | 5 PCS | EMERSON PROCESS |
| 20 | DISCRETE OUTPUT CARD 32 CHANNELS 24 VDC; HIGH SIDE; I/O TERMINATION BLOCK | VE4002S1T2B5 | 2 PCS | EMERSON PROCESS |
| 21 | RELAY MODULE PLC-RSC-24DC/21 | 2966171 | 64 PCS | PHOENIX CONTACT |
| 22 | 8-WIDE I/O INTERFACE CARRIER WITH CARRIER SHIELD BAR | VE3051C0 | 1 PC | EMERSON PROCESS |
| 23 | DUAL SINGLE MODE MEDIA CONVERTER ASSEMBLY | VE6060 | 1 PC | EMERSON PROCESS |
| 24 | CARRIER BLANK CAP | VE6101 | 1 PC | EMERSON PROCESS |
| 25 | DOUBLE DECK FUSE TERMINAL BLOCK WITH INDICATOR, 2.5MM SQ | 2002-2611 | 82 PCS | WAGO |
| 26 | | | | |
| 27 | | | | |
| 28 | | | | |

wilmar

PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)

EMERSON

SCALE: NTS | SIZE: A3
UNITS: mm (inch) | © 2018

EMERSON PROJECT NO.: 3258585
PROJECT TITLE: DCS SERANG PROJECT

TITLE: RIO CABINET – FR1-RIO-002 BILL OF MATERIAL

EMERSON DRAWING NO.: 3258585-PSS-PASH-DWG-00013
CUSTOMER DRAWING NO.: –

SHEET NO: 008
REV.: 0

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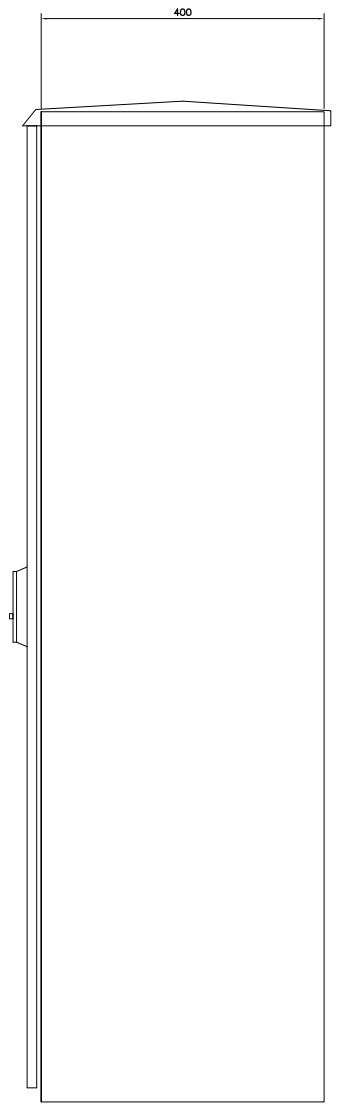
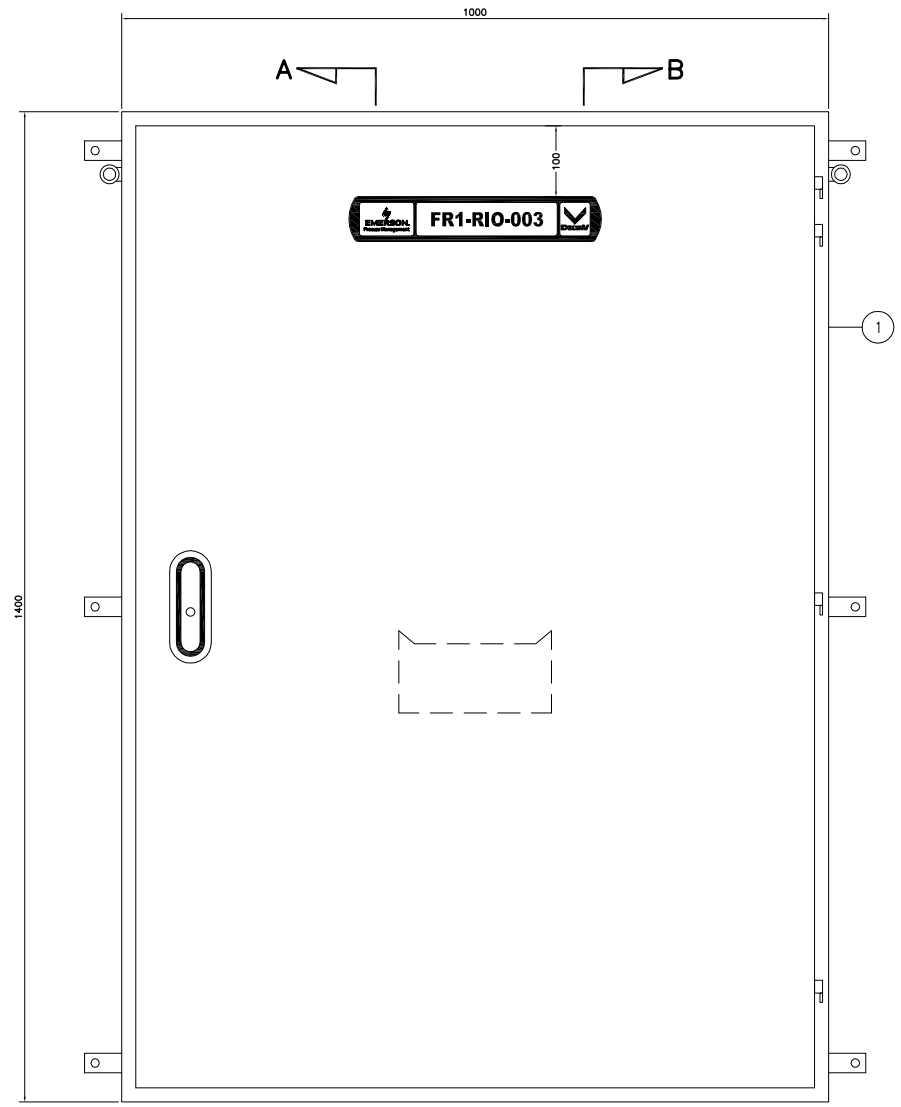
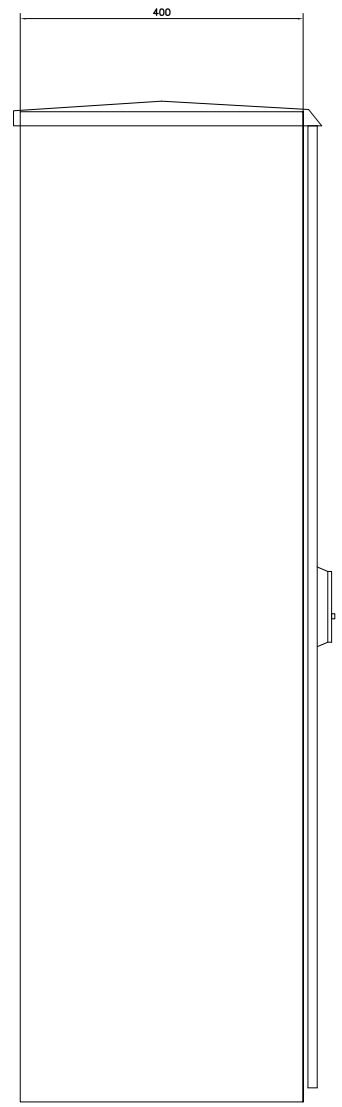


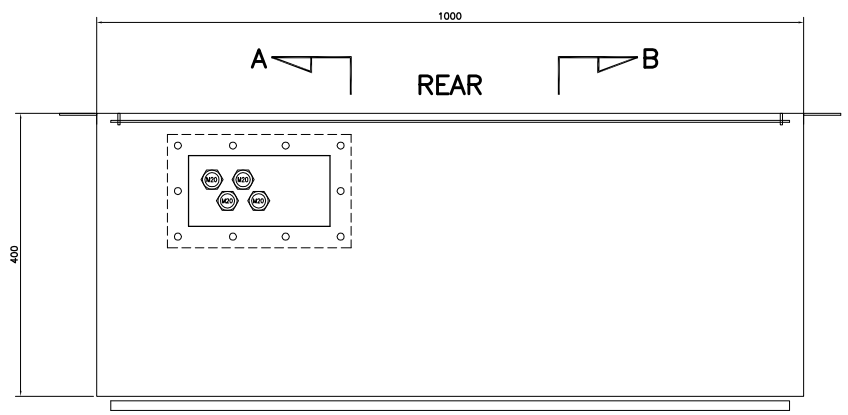

LEFT SIDE VIEW
RIO CABINET – FR1–RIO–003




A FRONT DOOR VIEW B
RIO CABINET – FR1–RIO–003




RIGHT SIDE VIEW
RIO CABINET – FR1–RIO–003




FRONT
A BOTTOM VIEW B
RIO CABINET – FR1–RIO–003

| | | | | | | |
|---|---|---|---|---|---|---|
| wilmar | PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s) | EMERSON. | SCALE: NTS / UNITS: mm (inch) | SIZE: A3 / © 2018 | EMERSON PROJECT NO.: 3258585<br>PROJECT TITLE: DCS SERANG PROJECT | TITLE: RIO CABINET – FR1–RIO–003 (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW) | EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00013<br>CUSTOMER DRAWING NO.: – | SHEET NO: 009<br>REV.: 0 |

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LEFT SIDE VIEW
RIO CABINET – FR1–RIO–003

FRONT DOOR VIEW
RIO CABINET – FR1–RIO–003

RIGHT SIDE VIEW
RIO CABINET – FR1–RIO–003

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| wilmar | PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s) | EMERSON | SCALE: NTS | SIZE: A3 | EMERSON PROJECT NO.: 3258585<br>PROJECT TITLE: DCS SERANG PROJECT | TITLE: RIO CABINET – FR1–RIO–003 (FRONT VIEW, SECTION A–A & SECTION B–B) | EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00013 | SHEET NO: 010 |
| | | | UNITS: mm (inch) | © 2018 | | | CUSTOMER DRAWING NO.: – | REV.: 0 |

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# BILL OF MATERIALS

| ITEM NO. | DESCRIPTION | PART NUMBER | QTY. | MANUFACTURER |
|---|---|---|---|---|
| 01 | RIO CABINET (W1000 X H1400 X D400) FRONT ACCESS | NKD-3262869-02 | 1 SET | GRP INDUSTRIES |
| 02 | AC MCB 2POLE (10A) | IK60N C10A | 1 PC | SCHNEIDER |
| 03 | DC MCB 2POLE (20A) | C60H-DC C20A | 1 PC | SCHNEIDER |
| 04 | 20 X 100 mm PVC WIREWAY (GREY) | – | 1 LOT | CONTRACTOR |
| 05 | 40 X 100 mm PVC WIREWAY (GREY) | – | 1 LOT | CONTRACTOR |
| 06 | 60 X 100 mm PVC WIREWAY (GREY) | – | 1 LOT | CONTRACTOR |
| 07 | INSTRUMENT GROUND BAR | – | 1 LOT | CONTRACTOR |
| 08 | SAFETY GROUND BAR | – | 1 LOT | CONTRACTOR |
| 09 | 2-COND THROUGH TERMINAL BLOCK, 10MM SQ | 2010-1201 | 3 PCS | WAGO |
| 10 | FUSE DISCONNECT TB WITH FUSE BLOW INDICATOR, 24VDC, 4MM SQ | 2004-1611/1000-0541 | 7 PCS | WAGO |
| 11 | 2-COND THROUGH TERMINAL BLOCK, 4MM SQ | 2004-1201 | 17 PCS | WAGO |
| 12 | DOUBLE DECK DISCONNECT TERMINAL BLOCK, 2.5MM SQ | 2002-2671 | 98 PCS | WAGO |
| 13 | END STOPPER | 249-117 | 1 LOT | WAGO |
| 14 | FIBER OPTIC PATCH PANEL (BY OTHERS) | TBA | 1 PC | TBA |
| 15 | DELTAV BULK POWER SUPPLY 100-240 V AC TO 24 V DC, 20A | VE5126 | 1 PC | EMERSON PROCESS |
| 16 | REMOTE INTERFACE UNIT FOR ZONE 2 REMOTE I/O | VE4021 | 1 PC | EMERSON PROCESS |
| 17 | 2-WIDE POWER/CONTROLLER CARRIER | VE3051C0 | 1 PC | EMERSON PROCESS |
| 18 | ENHANCED SYSTEM POWER SUPPLY; (DUAL DC/DC) INPUT | VE5009 | 1 PC | EMERSON PROCESS |
| 19 | DISCRETE INPUT CARD: 32 CHANNELS 24 VDC; DRY CONTACT; TERMINATION BLOCK | VE4001S2T2B4 | 4 PCS | EMERSON PROCESS |
| 20 | DISCRETE OUTPUT CARD 32 CHANNELS 24 VDC; HIGH SIDE; I/O TERMINATION BLOCK | VE4002S1T2B5 | 2 PCS | EMERSON PROCESS |
| 21 | RELAY MODULE PLC-RSC-24DC/21 | 2966171 | 68 PCS | PHOENIX CONTACT |
| 22 | 8-WIDE I/O INTERFACE CARRIER WITH CARRIER SHIELD BAR | VE3051C0 | 1 PC | EMERSON PROCESS |
| 23 | DUAL SINGLE MODE MEDIA CONVERTER ASSEMBLY | VE6060 | 1 PC | EMERSON PROCESS |
| 24 | CARRIER BLANK CAP | VE6101 | 2 PCS | EMERSON PROCESS |
| 25 | DOUBLE DECK FUSE TERMINAL BLOCK WITH INDICATOR, 2.5MM SQ | 2002-2611 | 66 PCS | WAGO |
| 26 | | | | |
| 27 | | | | |
| 28 | | | | |

wilmar

PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)

EMERSON

SCALE: NTS | SIZE: A3
UNITS: mm (inch) | © 2018

EMERSON PROJECT NO.: 3258585
PROJECT TITLE: DCS SERANG PROJECT

TITLE: RIO CABINET – FR1-RIO-003 BILL OF MATERIAL

EMERSON DRAWING NO.: 3258585-PSS-PASH-DWG-00013
CUSTOMER DRAWING NO.: –

SHEET NO: 011
REV.: 0

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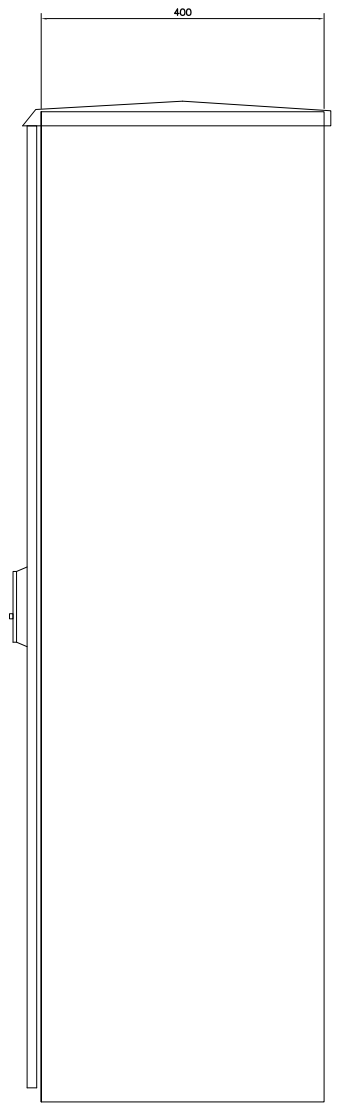
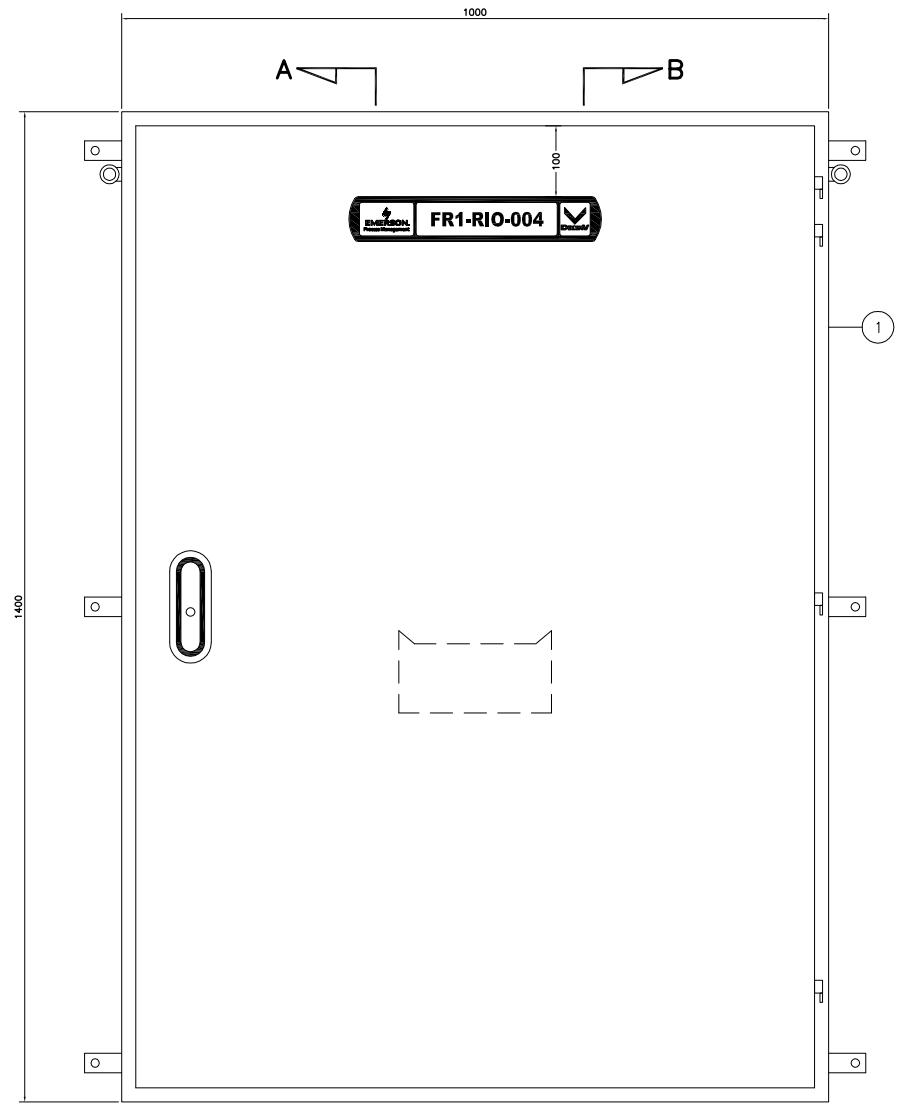
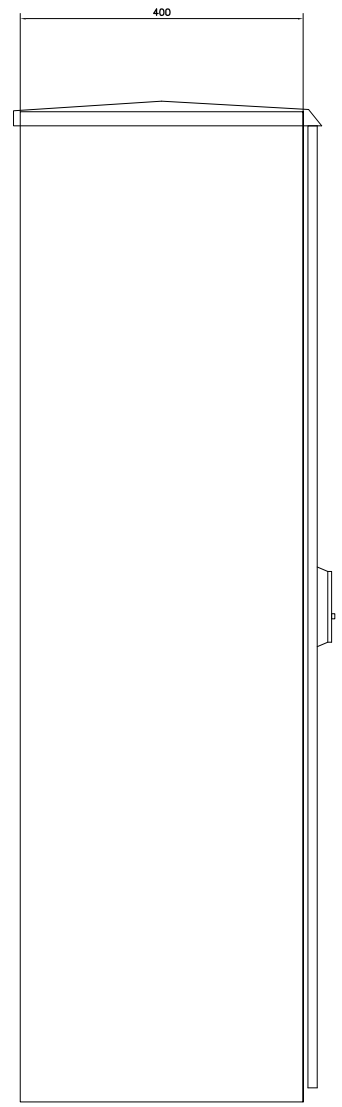


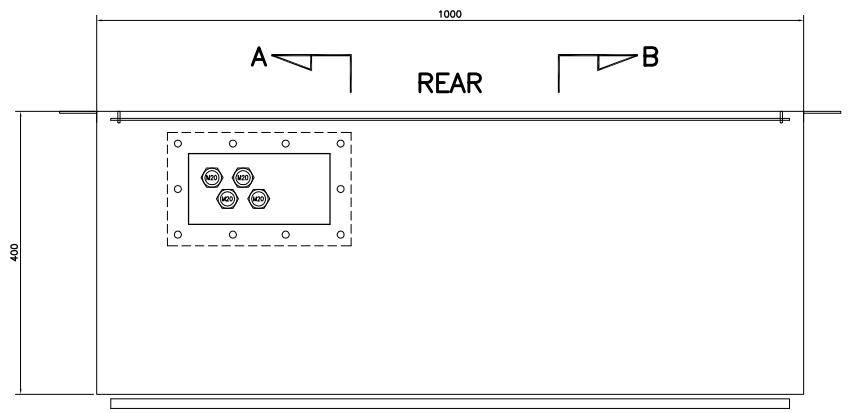

LEFT SIDE VIEW
RIO CABINET – FR1–RIO–004




FRONT DOOR VIEW
RIO CABINET – FR1–RIO–004




RIGHT SIDE VIEW
RIO CABINET – FR1–RIO–004




A B
BOTTOM VIEW
RIO CABINET – FR1–RIO–004

| | | | | | | |
|---|---|---|---|---|---|---|
| wilmar | PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s) | EMERSON. | SCALE: NTS / UNITS: mm (inch) | SIZE: A3 / © 2018 | EMERSON PROJECT NO.: 3258585<br>PROJECT TITLE: DCS SERANG PROJECT | TITLE: RIO CABINET – FR1–RIO–004 (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW) | EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00013<br>CUSTOMER DRAWING NO.: – | SHEET NO: 012<br>REV.: 0 |

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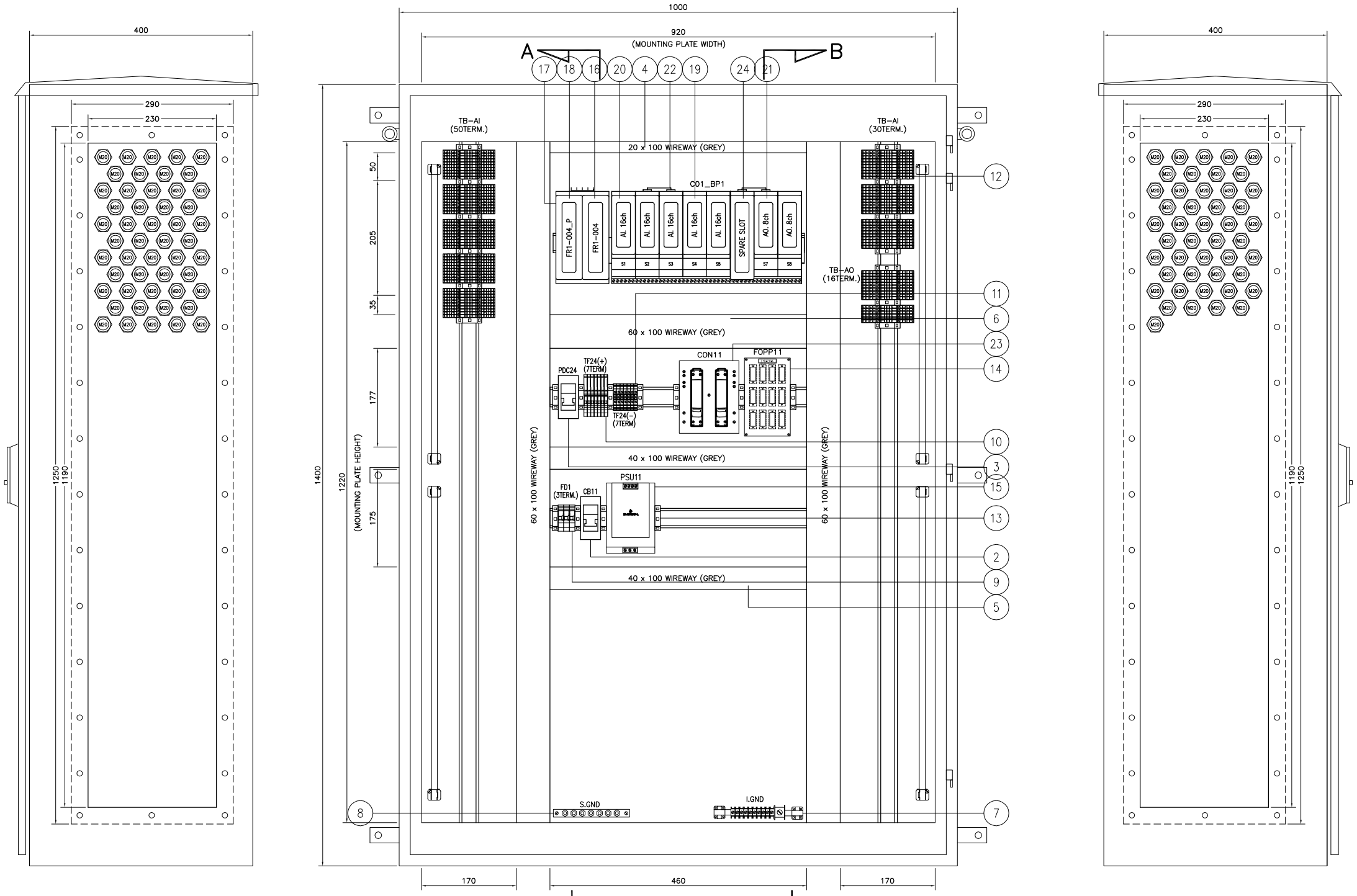


LEFT SIDE VIEW
RIO CABINET – FR1–RIO–004

FRONT DOOR VIEW
RIO CABINET – FR1–RIO–004

RIGHT SIDE VIEW
RIO CABINET – FR1–RIO–004

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| wilmar | PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s) | EMERSON | SCALE: NTS<br>UNITS: mm (inch) | SIZE: A3<br>© 2018 | EMERSON PROJECT NO.: 3258585<br>PROJECT TITLE: DCS SERANG PROJECT | TITLE: RIO CABINET – FR1–RIO–004 (FRONT VIEW, SECTION A–A & SECTION B–B) | EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00013<br>CUSTOMER DRAWING NO.: – | SHEET NO: 013<br>REV.: 0 |

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# BILL OF MATERIALS

| ITEM NO. | DESCRIPTION | PART NUMBER | QTY. | MANUFACTURER |
|---|---|---|---|---|
| 01 | RIO CABINET (W1000 X H1400 X D400) FRONT ACCESS | NKD–3262869–02 | 1 SET | GRP INDUSTRIES |
| 02 | AC MCB 2POLE (10A) | IK60N C10A | 1 PC | SCHNEIDER |
| 03 | DC MCB 2POLE (20A) | C60H–DC C20A | 1 PC | SCHNEIDER |
| 04 | 20 X 100 mm PVC WIREWAY (GREY) | – | 1 LOT | CONTRACTOR |
| 05 | 40 X 100 mm PVC WIREWAY (GREY) | – | 1 LOT | CONTRACTOR |
| 06 | 60 X 100 mm PVC WIREWAY (GREY) | – | 1 LOT | CONTRACTOR |
| 07 | INSTRUMENT GROUND BAR | – | 1 LOT | CONTRACTOR |
| 08 | SAFETY GROUND BAR | – | 1 LOT | CONTRACTOR |
| 09 | 2–COND THROUGH TERMINAL BLOCK, 10MM SQ | 2010–1201 | 3 PCS | WAGO |
| 10 | FUSE DISCONNECT TB WITH FUSE BLOW INDICATOR, 24VDC, 4MM SQ | 2004–1611/1000–0541 | 7 PCS | WAGO |
| 11 | 2–COND THROUGH TERMINAL BLOCK, 4MM SQ | 2004–1201 | 7 PCS | WAGO |
| 12 | DOUBLE DECK DISCONNECT TERMINAL BLOCK, 2.5MM SQ | 2002–2671 | 96 PCS | WAGO |
| 13 | END STOPPER | 249–117 | 1 LOT | WAGO |
| 14 | FIBER OPTIC PATCH PANEL (BY OTHERS) | TBA | 1 PC | TBA |
| 15 | DELTAV BULK POWER SUPPLY 100–240 V AC TO 24 V DC, 20A | VE5126 | 1 PC | EMERSON PROCESS |
| 16 | REMOTE INTERFACE UNIT FOR ZONE 2 REMOTE I/O | VE4021 | 1 PC | EMERSON PROCESS |
| 17 | 2–WIDE POWER/CONTROLLER CARRIER | VE3051C0 | 1 PC | EMERSON PROCESS |
| 18 | ENHANCED SYSTEM POWER SUPPLY; (DUAL DC/DC) INPUT | VE5009 | 1 PC | EMERSON PROCESS |
| 19 | ANALOG INPUT CARD; 16 CHANNELS; 4–20 MA; HART; I/O TERMINATION BLOCK | VE4003S2B6 | 5 PCS | EMERSON PROCESS |
| 20 | ANALOG INPUT CARD; 16 CHANNELS; 4–20 MA; HART; 4–WIRE; I/O TERMINATION BLOCK | VE4003S2B7 | – | EMERSON PROCESS |
| 21 | ANALOG OUTPUT, 8 CHANNELS 4–20 MA, HART, STANDARD I/O TERMINATION BLOCK | VE4005S2B1 | 2 PCS | EMERSON PROCESS |
| 22 | 8–WIDE I/O INTERFACE CARRIER WITH CARRIER SHIELD BAR | VE3051C0 | 1 PC | EMERSON PROCESS |
| 23 | DUAL SINGLE MODE MEDIA CONVERTER ASSEMBLY | VE6060 | 1 PC | EMERSON PROCESS |
| 24 | CARRIER BLANK CAP | VE6101 | 1 PC | EMERSON PROCESS |
| 25 | | | | |
| 26 | | | | |
| 27 | | | | |
| 28 | | | | |

wilmar

PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)

EMERSON

SCALE: NTS | SIZE: A3
UNITS: mm (inch) | © 2018

EMERSON PROJECT NO.: 3258585
PROJECT TITLE: DCS SERANG PROJECT

TITLE: RIO CABINET – FR1–RIO–004 BILL OF MATERIAL

EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00013
CUSTOMER DRAWING NO.: –

SHEET NO: 014
REV.: 0

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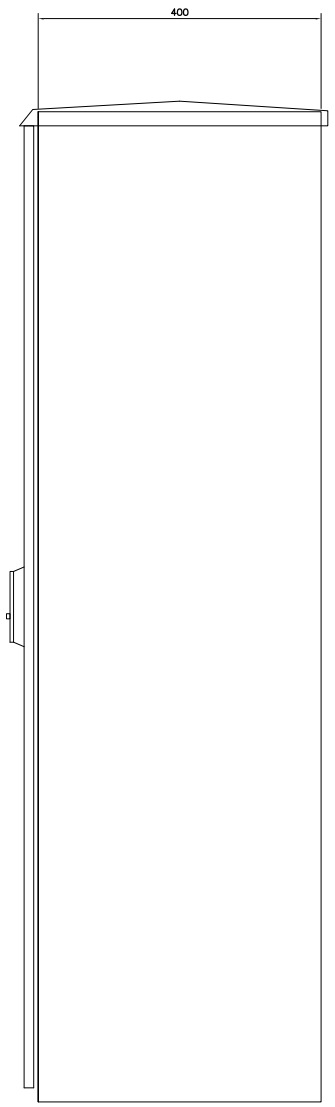
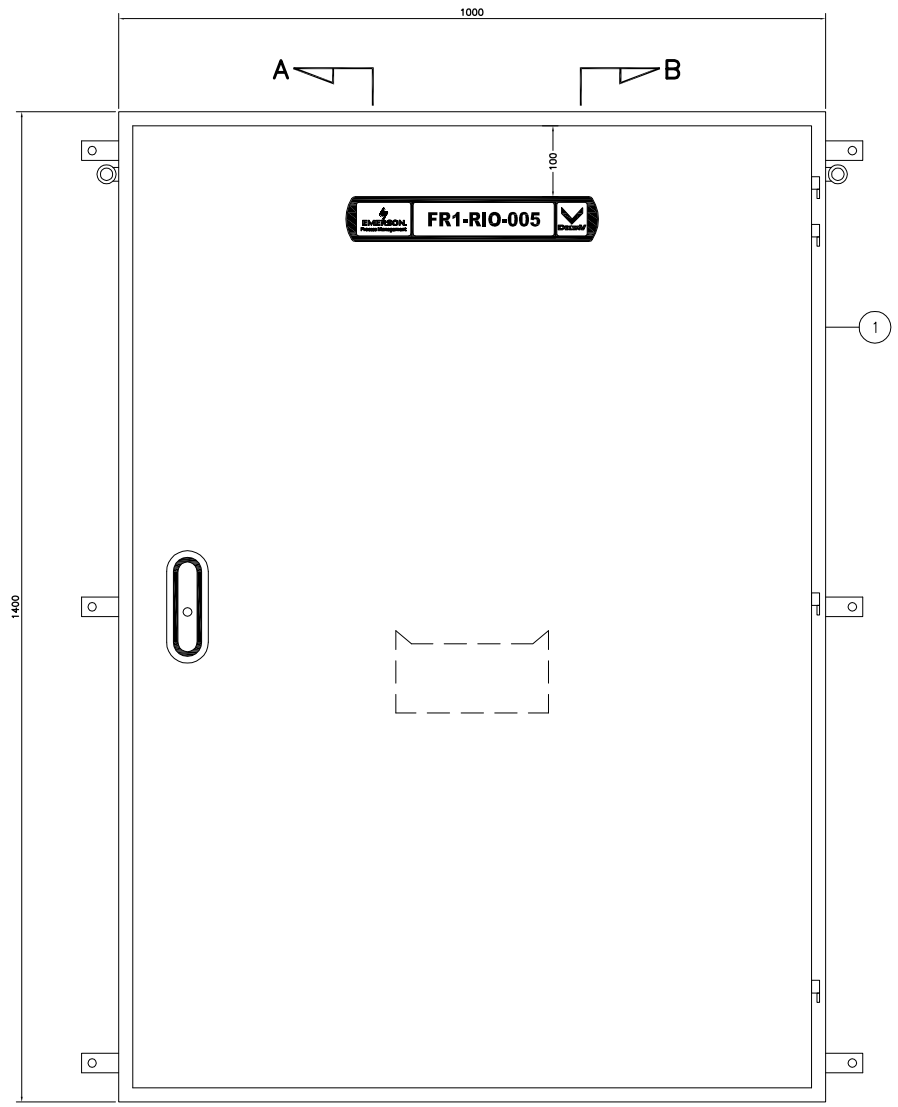
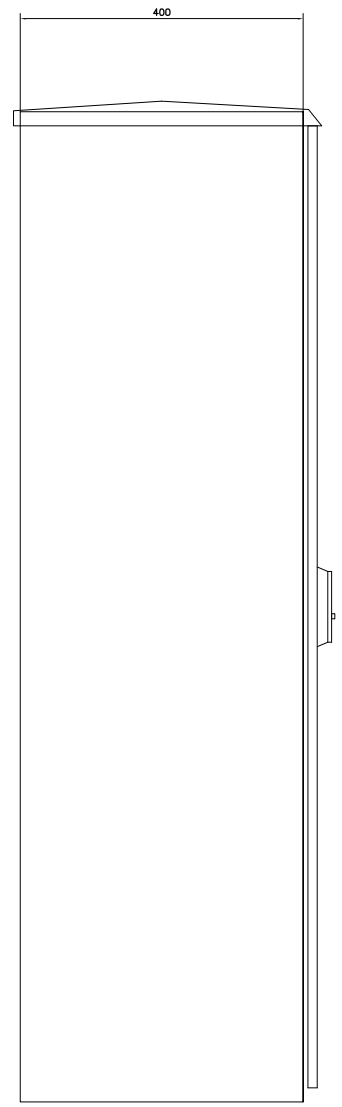


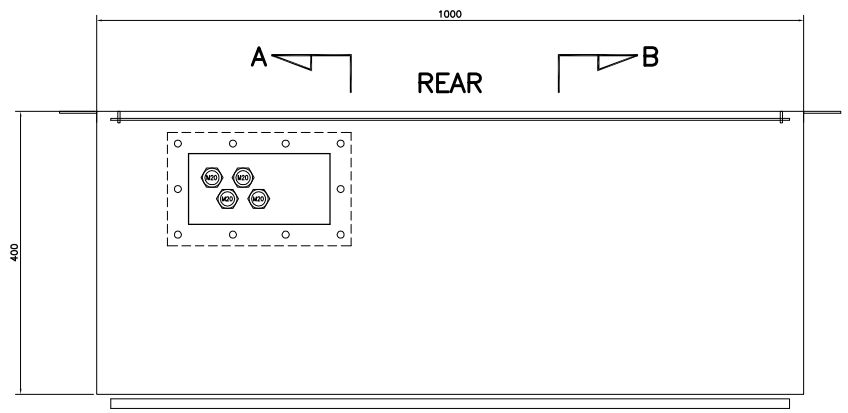

LEFT SIDE VIEW
RIO CABINET – FR1–RIO–005




A FRONT DOOR VIEW B
RIO CABINET – FR1–RIO–005




RIGHT SIDE VIEW
RIO CABINET – FR1–RIO–005




FRONT
A BOTTOM VIEW B
RIO CABINET – FR1–RIO–005

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|---|---|---|---|---|---|---|
| wilmar | PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s) | EMERSON. | SCALE: NTS / UNITS: mm (inch) | SIZE: A3 / © 2018 | EMERSON PROJECT NO.: 3258585<br>PROJECT TITLE: DCS SERANG PROJECT | TITLE: RIO CABINET – FR1–RIO–005 (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW) | EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00013<br>CUSTOMER DRAWING NO.: – | SHEET NO: 015<br>REV.: 0 |

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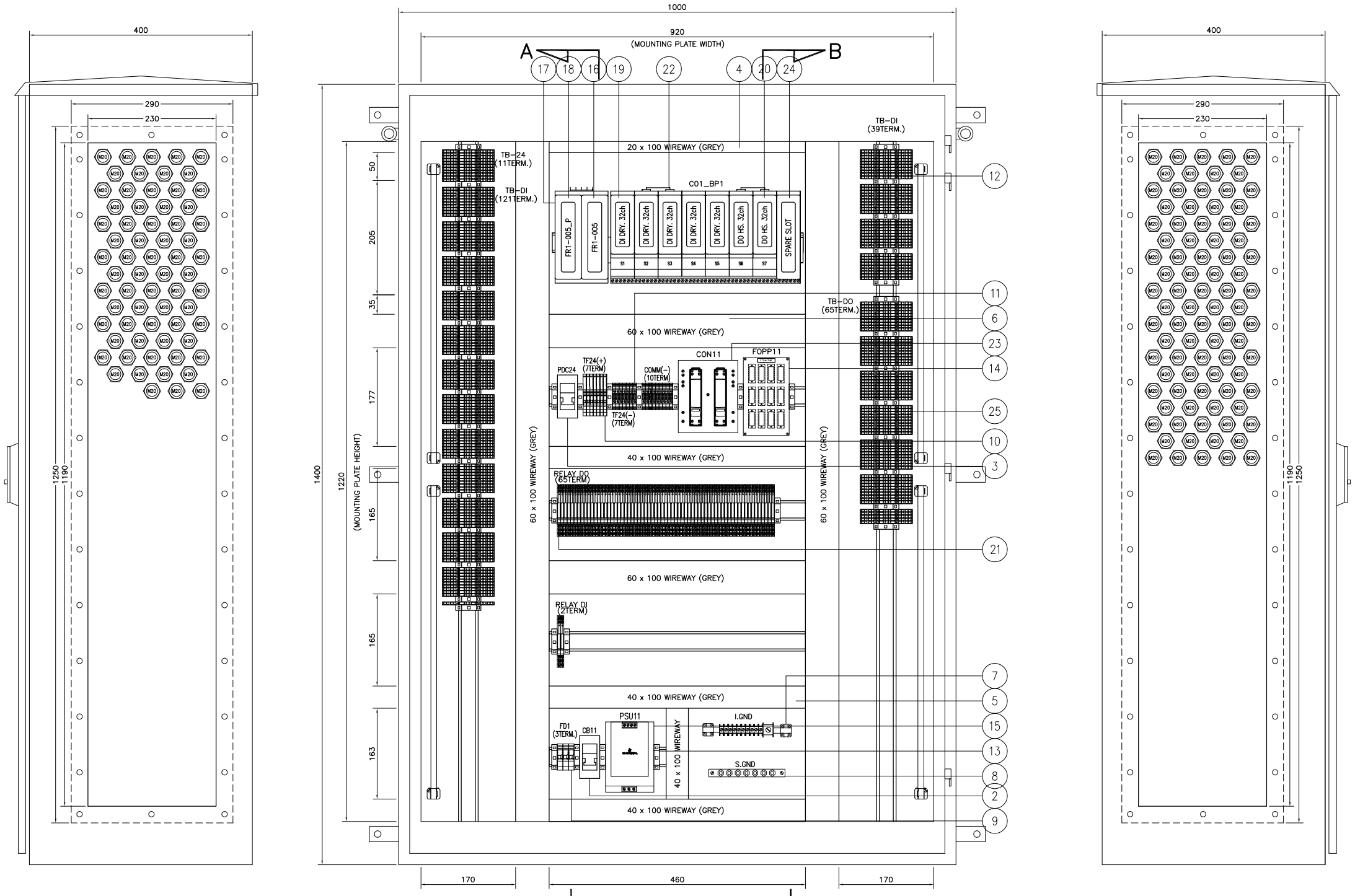


LEFT SIDE VIEW
RIO CABINET – FR1–RIO–005

FRONT DOOR VIEW
RIO CABINET – FR1–RIO–005

RIGHT SIDE VIEW
RIO CABINET – FR1–RIO–005

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| wilmar | PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s) | EMERSON. | SCALE: NTS | SIZE: A3 | EMERSON PROJECT NO.: 3258585<br>PROJECT TITLE:<br>DCS SERANG PROJECT | TITLE:<br>RIO CABINET – FR1–RIO–005<br>(FRONT VIEW,<br>SECTION A–A & SECTION B–B) | EMERSON DRAWING NO.:<br>3258585–PSS–PASH–DWG–00013 | SHEET NO:<br>016 |
| | | | UNITS: mm (inch) | © 2018 | | | CUSTOMER DRAWING NO.:<br>– | REV.:<br>0 |

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# BILL OF MATERIALS

| ITEM NO. | DESCRIPTION | PART NUMBER | QTY. | MANUFACTURER |
|---|---|---|---|---|
| 01 | RIO CABINET (W1000 X H1400 X D400) FRONT ACCESS | NKD–3262869–02 | 1 SET | GRP INDUSTRIES |
| 02 | AC MCB 2POLE (10A) | IK60N C10A | 1 PC | SCHNEIDER |
| 03 | DC MCB 2POLE (20A) | C60H–DC C20A | 1 PC | SCHNEIDER |
| 04 | 20 X 100 mm PVC WIREWAY (GREY) | – | 1 LOT | CONTRACTOR |
| 05 | 40 X 100 mm PVC WIREWAY (GREY) | – | 1 LOT | CONTRACTOR |
| 06 | 60 X 100 mm PVC WIREWAY (GREY) | – | 1 LOT | CONTRACTOR |
| 07 | INSTRUMENT GROUND BAR | – | 1 LOT | CONTRACTOR |
| 08 | SAFETY GROUND BAR | – | 1 LOT | CONTRACTOR |
| 09 | 2–COND THROUGH TERMINAL BLOCK, 10MM SQ | 2010–1201 | 3 PCS | WAGO |
| 10 | FUSE DISCONNECT TB WITH FUSE BLOW INDICATOR, 24VDC, 4MM SQ | 2004–1611/1000–0541 | 7 PCS | WAGO |
| 11 | 2–COND THROUGH TERMINAL BLOCK, 4MM SQ | 2004–1201 | 17 PCS | WAGO |
| 12 | DOUBLE DECK DISCONNECT TERMINAL BLOCK, 2.5MM SQ | 2002–2671 | 160 PCS | WAGO |
| 13 | END STOPPER | 249–117 | 1 LOT | WAGO |
| 14 | FIBER OPTIC PATCH PANEL (BY OTHERS) | TBA | 1 PC | TBA |
| 15 | DELTAV BULK POWER SUPPLY 100–240 V AC TO 24 V DC, 20A | VE5126 | 1 PC | EMERSON PROCESS |
| 16 | REMOTE INTERFACE UNIT FOR ZONE 2 REMOTE I/O | VE4021 | 1 PC | EMERSON PROCESS |
| 17 | 2–WIDE POWER/CONTROLLER CARRIER | VE3051C0 | 1 PC | EMERSON PROCESS |
| 18 | ENHANCED SYSTEM POWER SUPPLY; (DUAL DC/DC) INPUT | VE5009 | 1 PC | EMERSON PROCESS |
| 19 | DISCRETE INPUT CARD: 32 CHANNELS 24 VDC; DRY CONTACT; TERMINATION BLOCK | VE4001S2T2B4 | 5 PCS | EMERSON PROCESS |
| 20 | DISCRETE OUTPUT CARD 32 CHANNELS 24 VDC; HIGH SIDE; I/O TERMINATION BLOCK | VE4002S1T2B5 | 2 PCS | EMERSON PROCESS |
| 21 | RELAY MODULE PLC–RSC–24DC/21 | 2966171 | 67 PCS | PHOENIX CONTACT |
| 22 | 8–WIDE I/O INTERFACE CARRIER WITH CARRIER SHIELD BAR | VE3051C0 | 1 PC | EMERSON PROCESS |
| 23 | DUAL SINGLE MODE MEDIA CONVERTER ASSEMBLY | VE6060 | 1 PC | EMERSON PROCESS |
| 24 | CARRIER BLANK CAP | VE6101 | 1 PC | EMERSON PROCESS |
| 25 | DOUBLE DECK FUSE TERMINAL BLOCK WITH INDICATOR, 2.5MM SQ | 2002–2611 | 76 PCS | WAGO |
| 26 | | | | |
| 27 | | | | |
| 28 | | | | |

wilmar

PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)

EMERSON

SCALE: NTS | SIZE: A3
UNITS: mm (inch) | © 2018

EMERSON PROJECT NO.: 3258585
PROJECT TITLE: DCS SERANG PROJECT

TITLE: RIO CABINET – FR1–RIO–005 BILL OF MATERIAL

EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00013
CUSTOMER DRAWING NO.: –

SHEET NO: 017
REV.: 0

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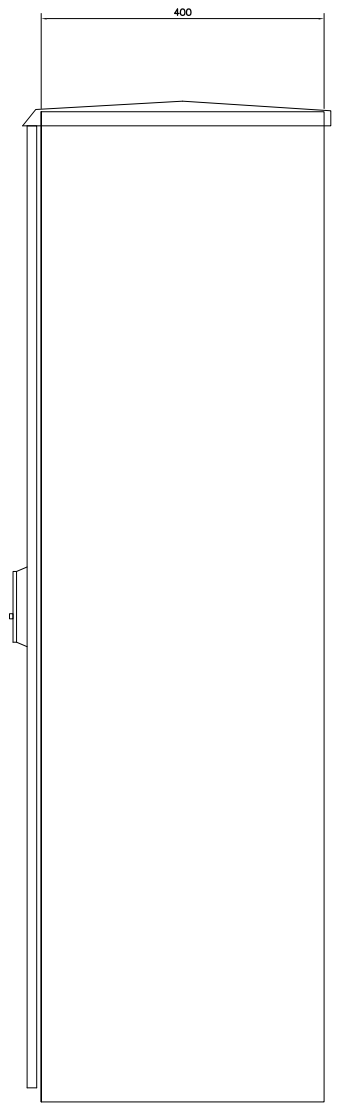
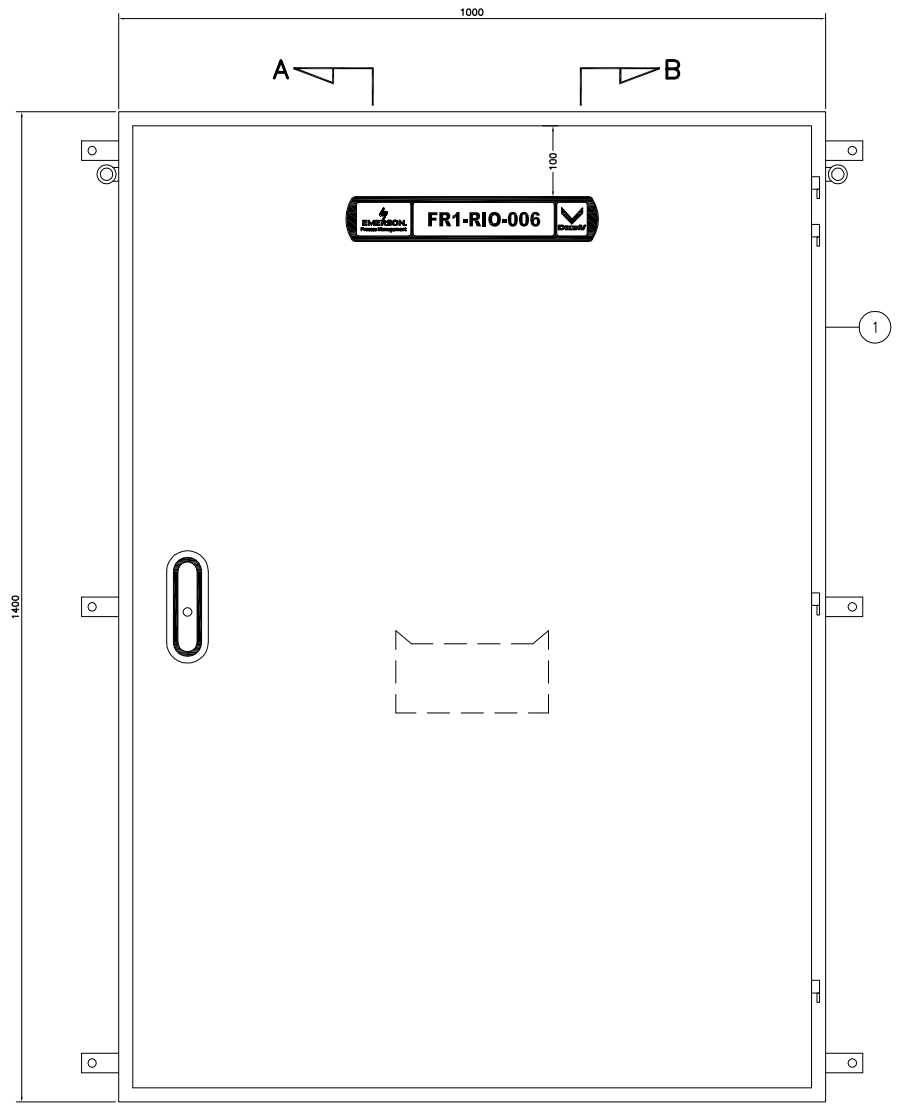
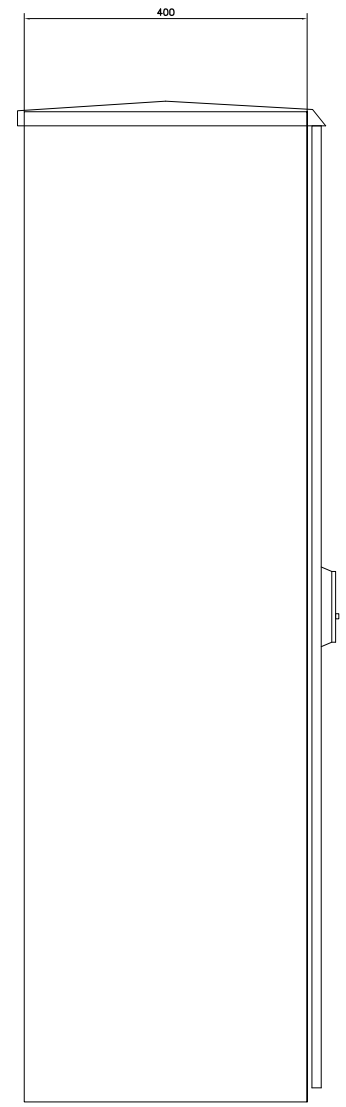


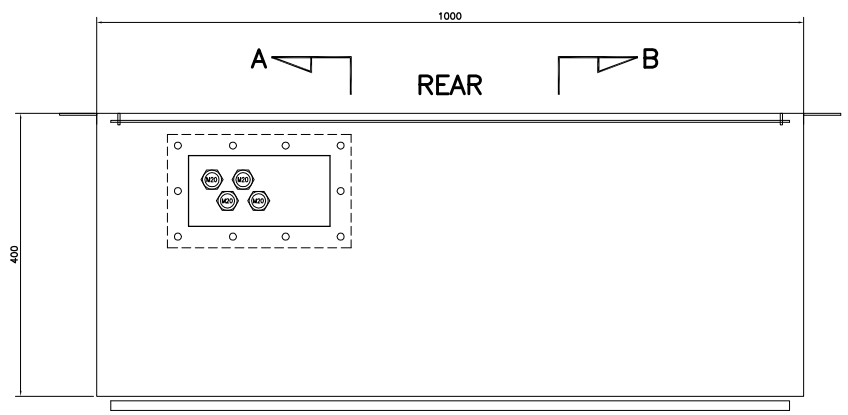

LEFT SIDE VIEW
RIO CABINET – FR1–RIO–006




A FRONT DOOR VIEW B
RIO CABINET – FR1–RIO–006




RIGHT SIDE VIEW
RIO CABINET – FR1–RIO–006




A BOTTOM VIEW B
RIO CABINET – FR1–RIO–006

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|---|---|---|---|---|---|---|
| wilmar | PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s) | EMERSON. | SCALE: NTS / UNITS: mm (inch) | SIZE: A3 / © 2018 | EMERSON PROJECT NO.: 3258585<br>PROJECT TITLE: DCS SERANG PROJECT | TITLE: RIO CABINET – FR1–RIO–006 (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW) | EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00013<br>CUSTOMER DRAWING NO.: – | SHEET NO: 018<br>REV.: 0 |

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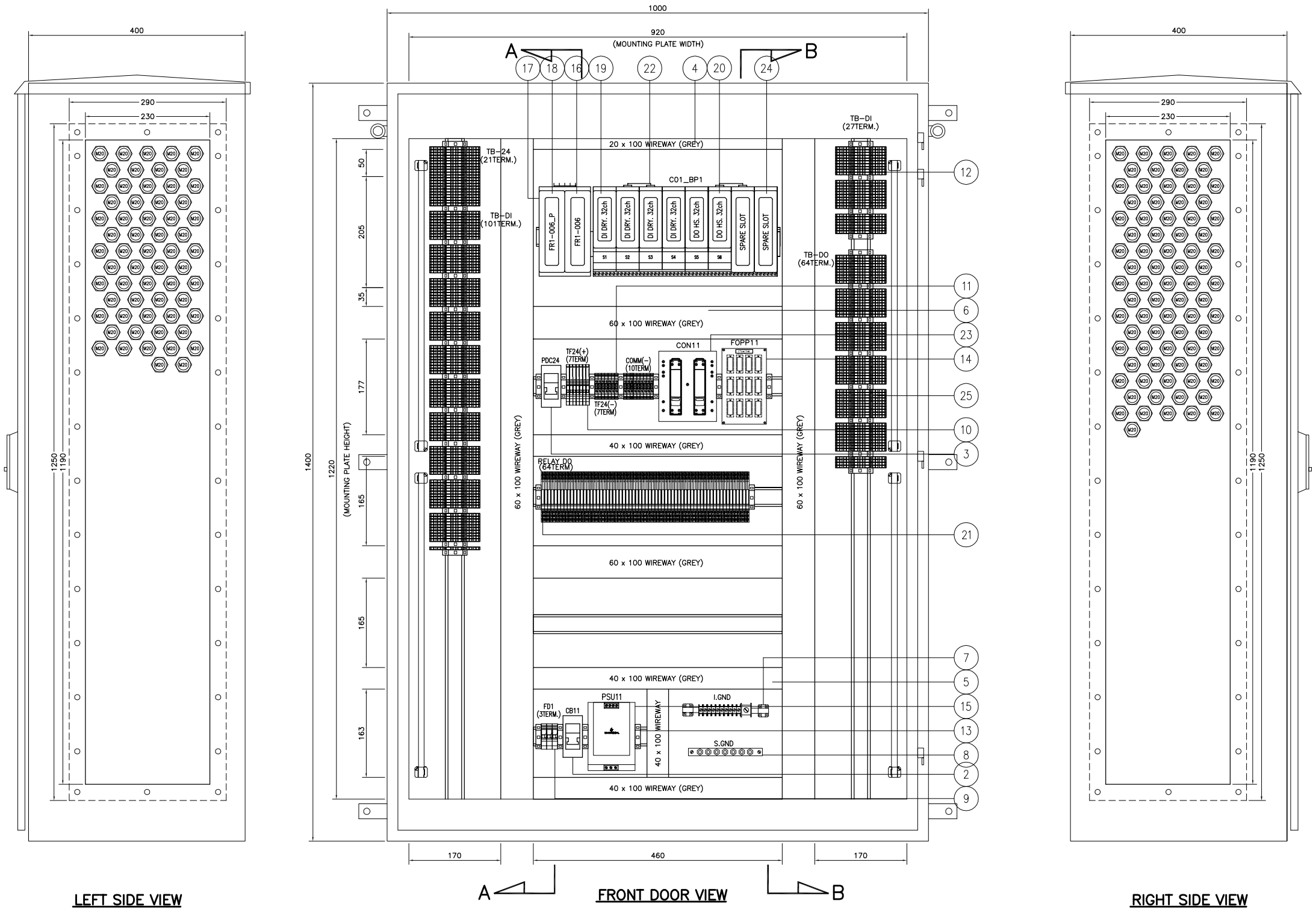


LEFT SIDE VIEW
RIO CABINET – FR1–RIO–006

FRONT DOOR VIEW
RIO CABINET – FR1–RIO–006

RIGHT SIDE VIEW
RIO CABINET – FR1–RIO–006

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|---|---|---|---|---|---|---|---|
| wilmar | PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s) | EMERSON | SCALE: NTS | SIZE: A3 | EMERSON PROJECT NO.: 3258585<br>PROJECT TITLE:<br>DCS SERANG PROJECT | TITLE:<br>RIO CABINET – FR1–RIO–006<br>(FRONT VIEW,<br>SECTION A–A & SECTION B–B) | EMERSON DRAWING NO.:<br>3258585–PSS–PASH–DWG–00013 | SHEET NO:<br>019 |
| | | | UNITS: mm (inch) | © 2018 | | | CUSTOMER DRAWING NO.:<br>– | REV.:<br>0 |

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# BILL OF MATERIALS

| ITEM NO. | DESCRIPTION | PART NUMBER | QTY. | MANUFACTURER |
|---|---|---|---|---|
| 01 | RIO CABINET (W1000 X H1400 X D400) FRONT ACCESS | NKD-3262869-02 | 1 SET | GRP INDUSTRIES |
| 02 | AC MCB 2POLE (10A) | IK60N C10A | 1 PC | SCHNEIDER |
| 03 | DC MCB 2POLE (20A) | C60H-DC C20A | 1 PC | SCHNEIDER |
| 04 | 20 X 100 mm PVC WIREWAY (GREY) | – | 1 LOT | CONTRACTOR |
| 05 | 40 X 100 mm PVC WIREWAY (GREY) | – | 1 LOT | CONTRACTOR |
| 06 | 60 X 100 mm PVC WIREWAY (GREY) | – | 1 LOT | CONTRACTOR |
| 07 | INSTRUMENT GROUND BAR | – | 1 LOT | CONTRACTOR |
| 08 | SAFETY GROUND BAR | – | 1 LOT | CONTRACTOR |
| 09 | 2-COND THROUGH TERMINAL BLOCK, 10MM SQ | 2010-1201 | 3 PCS | WAGO |
| 10 | FUSE DISCONNECT TB WITH FUSE BLOW INDICATOR, 24VDC, 4MM SQ | 2004-1611/1000-0541 | 7 PCS | WAGO |
| 11 | 2-COND THROUGH TERMINAL BLOCK, 4MM SQ | 2004-1201 | 17 PCS | WAGO |
| 12 | DOUBLE DECK DISCONNECT TERMINAL BLOCK, 2.5MM SQ | 2002-2671 | 128 PCS | WAGO |
| 13 | END STOPPER | 249-117 | 1 LOT | WAGO |
| 14 | FIBER OPTIC PATCH PANEL (BY OTHERS) | TBA | 1 PC | TBA |
| 15 | DELTAV BULK POWER SUPPLY 100-240 V AC TO 24 V DC, 20A | VE5126 | 1 PC | EMERSON PROCESS |
| 16 | REMOTE INTERFACE UNIT FOR ZONE 2 REMOTE I/O | VE4021 | 1 PC | EMERSON PROCESS |
| 17 | 2-WIDE POWER/CONTROLLER CARRIER | VE3051C0 | 1 PC | EMERSON PROCESS |
| 18 | ENHANCED SYSTEM POWER SUPPLY; (DUAL DC/DC) INPUT | VE5009 | 1 PC | EMERSON PROCESS |
| 19 | DISCRETE INPUT CARD: 32 CHANNELS 24 VDC; DRY CONTACT; TERMINATION BLOCK | VE4001S2T2B4 | 4 PCS | EMERSON PROCESS |
| 20 | DISCRETE OUTPUT CARD 32 CHANNELS 24 VDC; HIGH SIDE; I/O TERMINATION BLOCK | VE4002S1T2B5 | 2 PCS | EMERSON PROCESS |
| 21 | RELAY MODULE PLC-RSC-24DC/21 | 2966171 | 64 PCS | PHOENIX CONTACT |
| 22 | 8-WIDE I/O INTERFACE CARRIER WITH CARRIER SHIELD BAR | VE3051C0 | 1 PC | EMERSON PROCESS |
| 23 | DUAL SINGLE MODE MEDIA CONVERTER ASSEMBLY | VE6060 | 1 PC | EMERSON PROCESS |
| 24 | CARRIER BLANK CAP | VE6101 | 2 PCS | EMERSON PROCESS |
| 25 | DOUBLE DECK FUSE TERMINAL BLOCK WITH INDICATOR, 2.5MM SQ | 2002-2611 | 85 PCS | WAGO |
| 26 | | | | |
| 27 | | | | |
| 28 | | | | |

wilmar

PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)

EMERSON.

SCALE: NTS | SIZE: A3
UNITS: mm (inch) | © 2018

EMERSON PROJECT NO.: 3258585
PROJECT TITLE: DCS SERANG PROJECT

TITLE: RIO CABINET – FR1-RIO-006 BILL OF MATERIAL

EMERSON DRAWING NO.: 3258585-PSS-PASH-DWG-00013
CUSTOMER DRAWING NO.: –

SHEET NO: 020
REV.: 0

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