



# ASPC Project



|                              |  |
|------------------------------|--|
| <b>END CUSTOMER</b>          | : Arya Sasol Polymer Company                 |
| <b>CONTRACTOR</b>            | : DYPNF Co., Ltd.                            |
| <b>VENDOR NAME</b>           | : Airpack Netherlands BV                     |
| <b>EQUIPMENT DESCRIPTION</b> | : Screw Compressor & Roots Blower<br>Package |
| <b>PURCHASE ORDER NUMBER</b> | : PO-PC2312-08                               |

Customer Document : 3944-VD-0171-DYP-RE-400-DWG-0003  
Number

Airpack Document Number : 23383-07

Document Title : Panel Layout Drawing

| Review Code and Status   |  | Contractor<br>Initials/Signature | Date<br>signed |
|--------------------------|--|----------------------------------|----------------|
| <input type="checkbox"/> | <b>Code 1</b> <b>REJECTED</b> - Vendor to revise and Resubmit.<br>Work cannot proceed                              |                                  |                |
| <input type="checkbox"/> | <b>Code 2</b> Comments As Noted - Work May proceed,<br>subject to compliance with and incorporation<br>of comments |                                  |                |
| <input type="checkbox"/> | <b>Code 3</b> No Comments - Work may proceed.  |                                  |                |
| <input type="checkbox"/> | <b>Code 4</b> Information only - Review not required.  |                                  |                |

|          |                     |            |             |            |             |
|----------|---------------------|------------|-------------|------------|-------------|
| 03       | Issued for Approval | 03-09-2025 | RT          | SC         | JJ          |
| 02       | Issued for Approval | 16-07-2025 | RT          | SC         | JJ          |
| 01       | Issued for Approval | 28-04-2025 | RT          | SC         | JJ          |
| 00       | Issued for Approval | 25-03-2025 | RT          | SC         | JJ          |
| Rev. No. | Description         | Date       | Prepared by | Checked by | Approved by |

| No.                       | Description                     | Tag Number | Make            | Model   | Qty. |
|---------------------------|---------------------------------|------------|-----------------|---------|------|
| 1                         | Running Indication Lamp (Green) | 3H4        | TBD             | TBD     | 1    |
| 2                         | Fault Indication Lamp (Amber)   | 3H6        | TBD             | TBD     | 1    |
| 3                         | Start Pushbutton (Green)        | 2S4        | TBD             | TBD     | 1    |
| 4                         | Stop Pushbutton (Red)           | 2S6        | TBD             | TBD     | 1    |
| 5                         | Lamp Test Pushbutton (Black)    | 2S8        | TBD             | TBD     | 1    |
| Terminal Strip Definition |                                 |            |                 |         |      |
| X1                        | Connection Pushbuttons & Lamps  | X1         | Phoenix Contact | 3211760 | 21   |

GENERAL NOTES

NOTES  
1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM.

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

LEGEND

RESULT CODE:  AP  AN  CO  RE

NEXT STATUS:  IFI  IFA  AFC  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:  
M.R. NO.:  
ITEM NO. (EQUIPMENT NO.):  
VENDRO JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |

OWNER:  


PROJECT:  
300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:  
 

CONTRACTOR:  
 

VENDOR:  

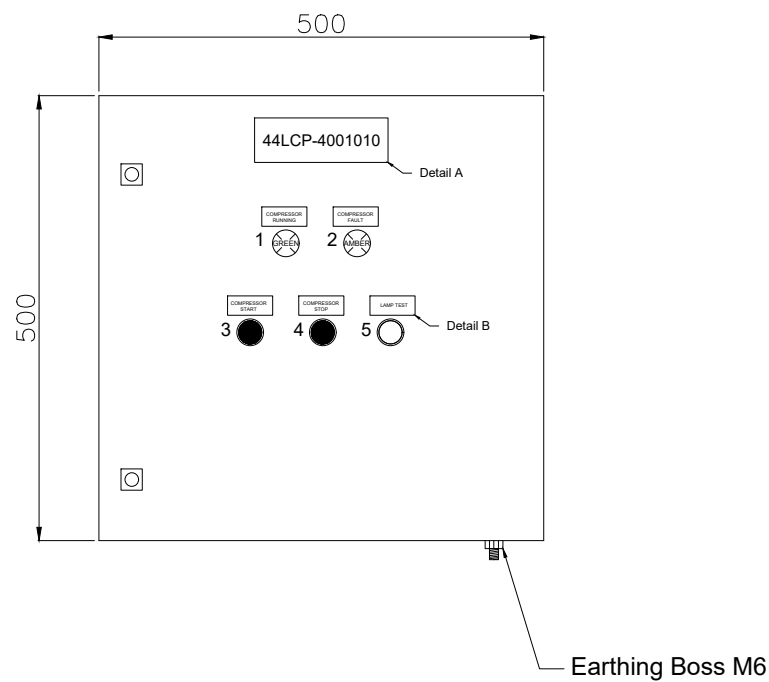

DRAWING TITLE:  
PANEL LAYOUT DRAWING  
BILL OF MATERIALS FOR  
LOCAL CONTROL PANEL 44LCP-4001010

| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
|-------------------|-------------|--------|-------------|------------|------|------|------|
| 3944              | VD          | 0171   | DYP         | RE         | 400  | DWG  | 0003 |

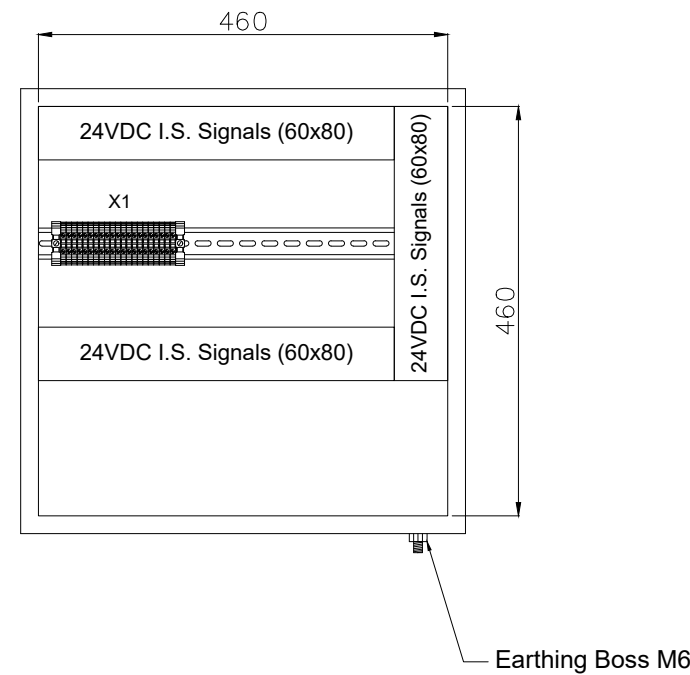
SCALE: NONE SIZE: A0 SHEET NO. 1 OF 34 REV. 03

# 44LCP-4001010

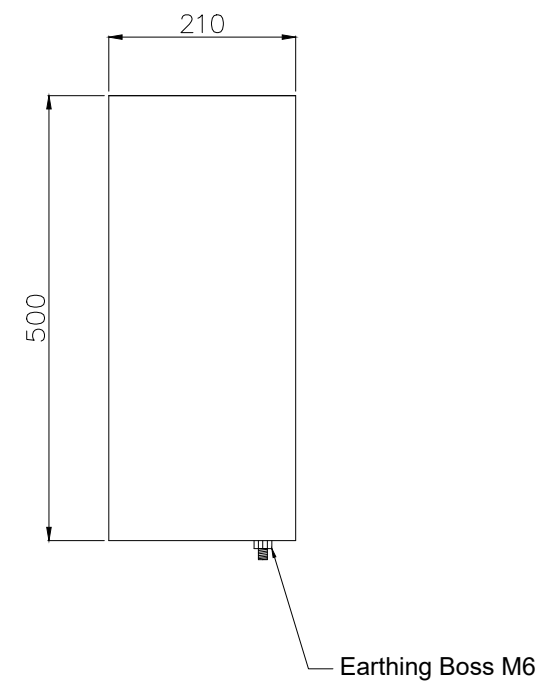
## Front Side (Outside) View



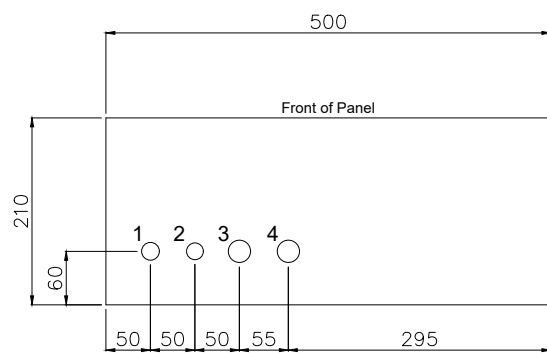
## Front Side (Inside) View



## Side (Outside) View



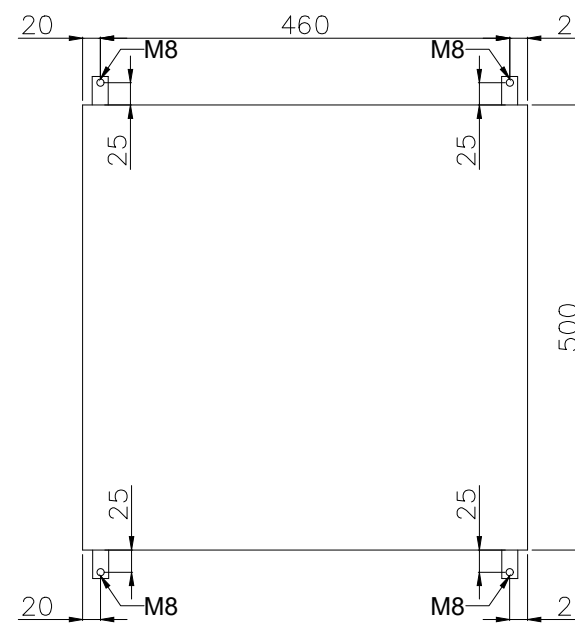
## Bottom View



## Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for Pushbuttons & Lamps)
4. M25 - 1x (Spare)

## Back (Outside) View Mounting Details



### GENERAL NOTES

- NOTES
1. PANEL DIMENSIONS: 500x500x210mm
  2. PANEL MATERIAL: SS316L STAINLESS STEEL
  3. PANEL COLOR: RAL5017 (BLUE)
  4. PANEL WALL THICKNESS: 1.6mm
  5. PANEL WEIGHT: ~20Kg
  6. PANEL WILL BE RIGHT HINGED
  7. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
  8. AMBIENT TEMPERATURE: 5°C/+48°C
  9. INGRESS PROTECTION: IP65
  10. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
  11. DIN RAIL TYPE: NS35
  12. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS.
  13. SPARES WILL BE PLUGGED WITH SUS Ex PLUG
  14. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS
  15. ALL DIMENSIONS IN mm.
  16. EXTERNAL EARTH BOLT AND RELATED PARTS ARE ALL COPPER.
  17. INDICATION LAMP VOLTAGE: 24VDC

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

### LEGEND

RESULT CODE:  AP  AN  CO  RE RESUBMISSION DATE:

NEXT STATUS:  IFI  IFA  JAF  ASB/IFIN

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| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       |       | RT    | RB    | SC  |
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| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       |       | RT    | RB    | SC  |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       |       | RT    | RB    | SC  |

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:



DRAWING TITLE:  
PANEL LAYOUT DRAWING  
LOCAL CONTROL PANEL 44LCP-4001010

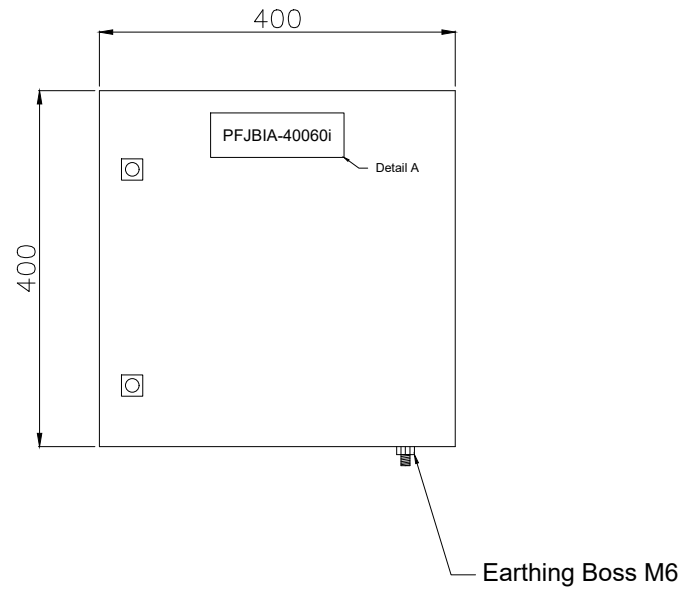
OWNER PROJECT NO. VENDOR DWG. MR NO. VENDOR CODE DISCIPLINE UNIT TYPE SEQ.

3944 VD 0171 DYP RE 400 DWG 0003

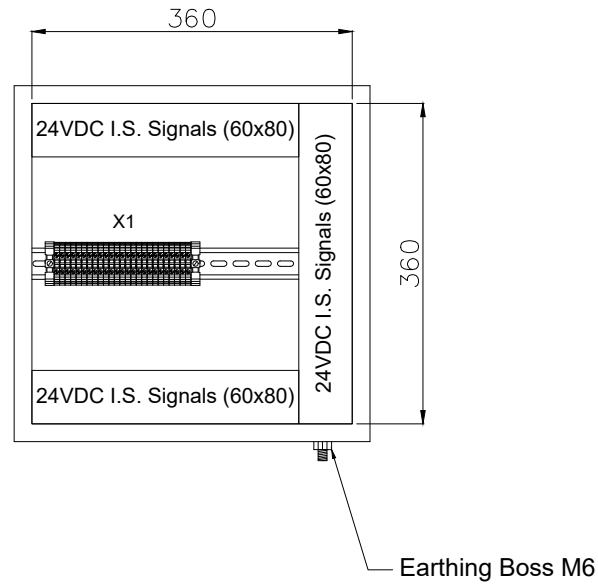
SCALE: NONE SIZE: A0 SHEET NO. 2 OF 34 REV. 03

# PFJBIA-40060i

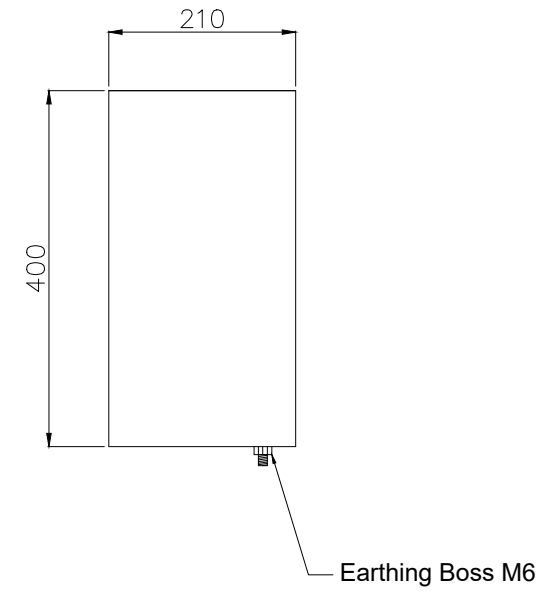
## Front Side (Outside) View



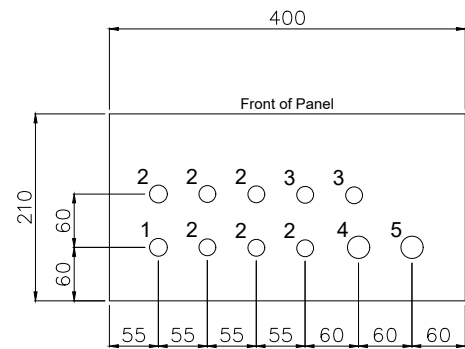
## Front Side (Inside) View



## Side (Outside) View



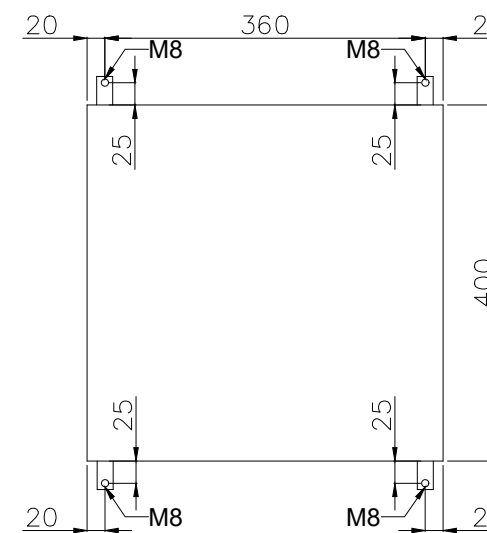
## Bottom View



## Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 6x (Cables from Transmitters)
3. M20 - 2x (Spare)
4. M25 - 1x (Multipair Cable from Customer)
5. M25 - 1x (Spare)

## Back (Outside) View Mounting Details



### GENERAL NOTES

- NOTES
1. PANEL DIMENSIONS: 400x400x210mm
  2. PANEL MATERIAL: SS316L STAINLESS STEEL
  3. PANEL COLOR: RAL5017 (BLUE)
  4. PANEL WALL THICKNESS: 1.6mm
  5. PANEL WEIGHT: ~15Kg
  6. PANEL WILL BE RIGHT HINGED
  7. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
  8. AMBIENT TEMPERATURE: 5°C/+48°C
  9. INGRESS PROTECTION: IP65
  10. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
  11. DIN RAIL TYPE: NS35
  12. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS.
  13. SPARES WILL BE PLUGGED WITH SUS Ex PLUG
  14. GLANDS WILL BE Ex d IP65 NICKEL PLATED BRASS TYPE GLANDS
  15. ALL DIMENSIONS IN mm.
  16. EXTERNAL EARTH BOLT AND RELATED PARTS ARE ALL COPPER.

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

### LEGEND

RESULT CODE:  AP  AN  CO  RE

NEXT STATUS:  IFI  IFA  JAF  ASB/IFIN

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| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
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| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:



DRAWING TITLE:  
PANEL LAYOUT DRAWING  
LOCAL CONTROL PANEL PFJBIA-40060i

| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE  | SEQ. |    |
|-------------------|-------------|--------|-------------|------------|------|-------|------|----|
| 3944              | VD          | 0171   | DYP         | RE         | 400  | DWG   | 0003 |    |
| SCALE:            | NONE        | SIZE:  | A0          | SHEET NO.  | 3    | OF 34 | REV. | 03 |

| No.                       | Description                     | Tag Number | Make            | Model   | Qty. |
|---------------------------|---------------------------------|------------|-----------------|---------|------|
| 1                         | Running Indication Lamp (Green) | 3H4        | TBD             | TBD     | 1    |
| 2                         | Fault Indication Lamp (Amber)   | 3H6        | TBD             | TBD     | 1    |
| 3                         | Start Pushbutton (Green)        | 2S4        | TBD             | TBD     | 1    |
| 4                         | Stop Pushbutton (Red)           | 2S6        | TBD             | TBD     | 1    |
| 5                         | Lamp Test Pushbutton (Black)    | 2S8        | TBD             | TBD     | 1    |
| Terminal Strip Definition |                                 |            |                 |         |      |
| X1                        | Connection Pushbuttons & Lamps  | X1         | Phoenix Contact | 3211760 | 21   |

GENERAL NOTES

NOTES  
1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM.

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

LEGEND

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| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |

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PROJECT:  
300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:  
 

CONTRACTOR:  
 

VENDOR:  

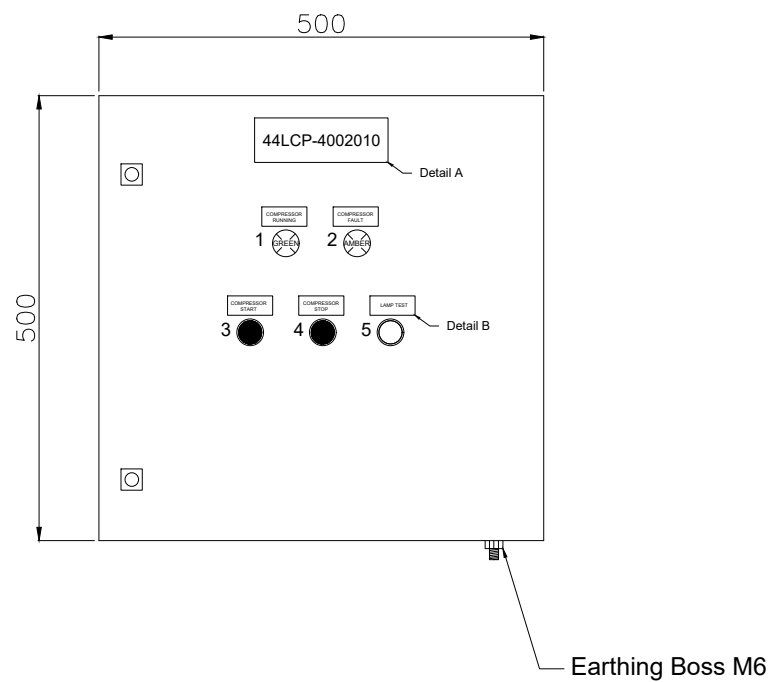

DRAWING TITLE:  
PANEL LAYOUT DRAWING  
BILL OF MATERIALS FOR  
LOCAL CONTROL PANEL 44LCP-4002010

| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
|-------------------|-------------|--------|-------------|------------|------|------|------|
| 3944              | VD          | 0171   | DYP         | RE         | 400  | DWG  | 0003 |

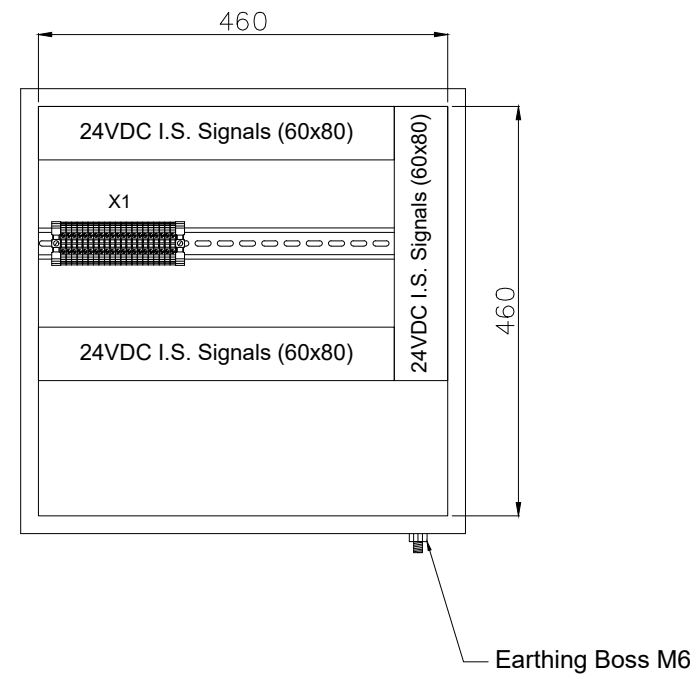
SCALE: NONE SIZE: A0 SHEET NO. 4 OF 34 REV. 03

# 44LCP-4002010

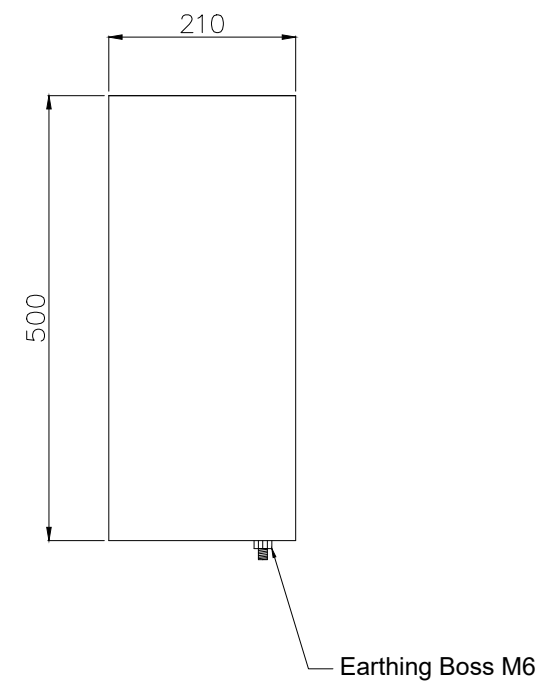
## Front Side (Outside) View



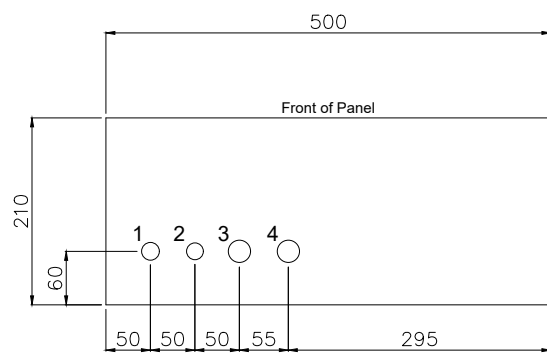
## Front Side (Inside) View



## Side (Outside) View



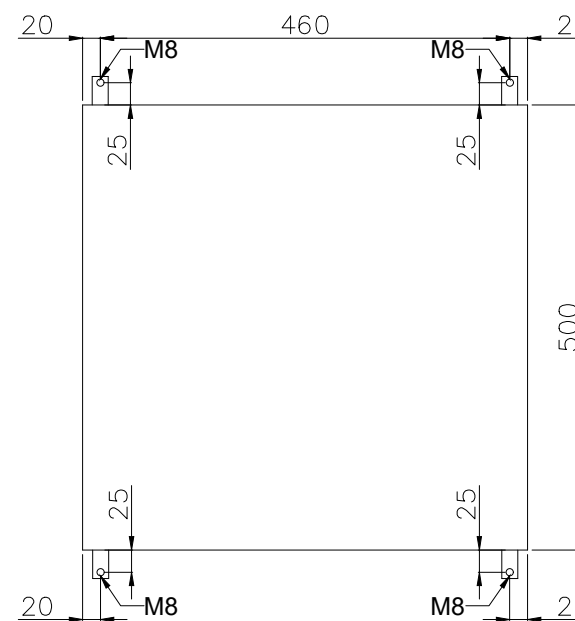
## Bottom View



## Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for Pushbuttons & Lamps)
4. M25 - 1x (Spare)

## Back (Outside) View Mounting Details



### GENERAL NOTES

- NOTES
1. PANEL DIMENSIONS: 500x500x210mm
  2. PANEL MATERIAL: SS316L STAINLESS STEEL
  3. PANEL COLOR: RAL5017 (BLUE)
  4. PANEL WALL THICKNESS: 1.6mm
  5. PANEL WEIGHT: ~20Kg
  6. PANEL WILL BE RIGHT HINGED
  7. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
  8. AMBIENT TEMPERATURE: 5°C/+48°C
  9. INGRESS PROTECTION: IP65
  10. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
  11. DIN RAIL TYPE: NS35
  12. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS.
  13. SPARES WILL BE PLUGGED WITH SUS Ex PLUG
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| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
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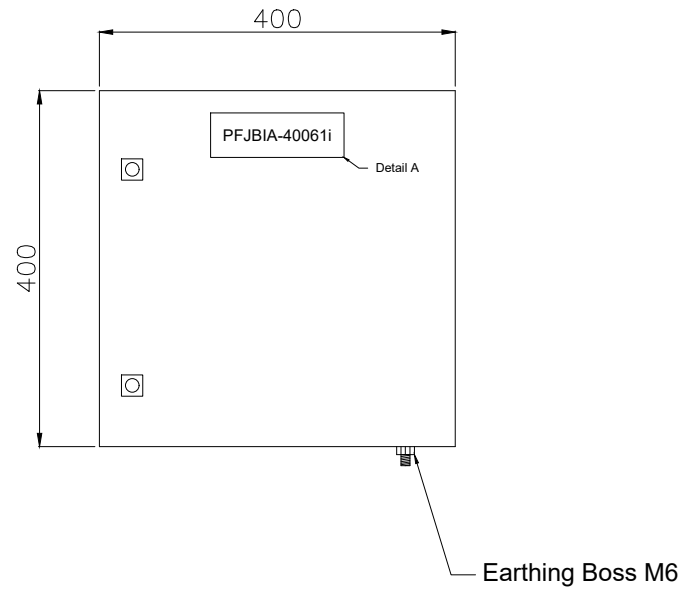
VENDOR:

DRAWING TITLE:  
PANEL LAYOUT DRAWING  
LOCAL CONTROL PANEL 44LCP-4002010

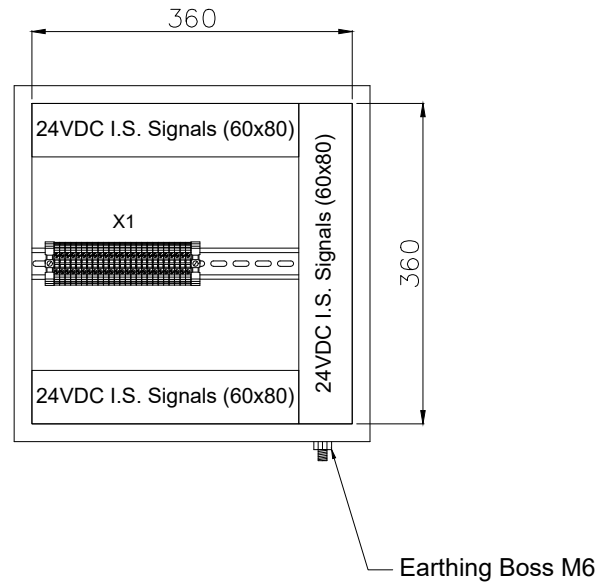
| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT    | TYPE | SEQ. |
|-------------------|-------------|--------|-------------|------------|---------|------|------|
| 3944              | VD          | 0171   | DYP         | RE         | 400     | DWG  | 0003 |
| SCALE:            | NONE        | SIZE:  | A0          | SHEET NO.  | 5 OF 34 | REV. | 03   |

# PFJBIA-40061i

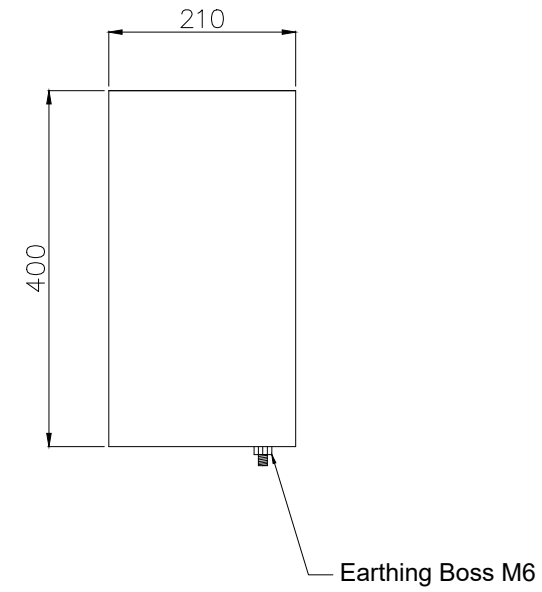
## Front Side (Outside) View



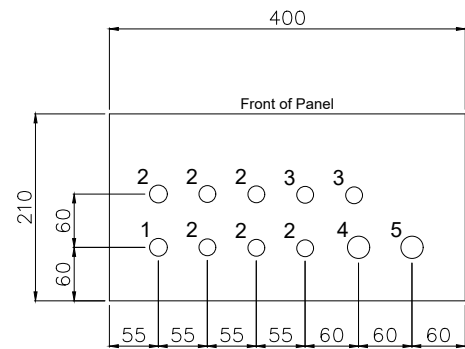
## Front Side (Inside) View



## Side (Outside) View



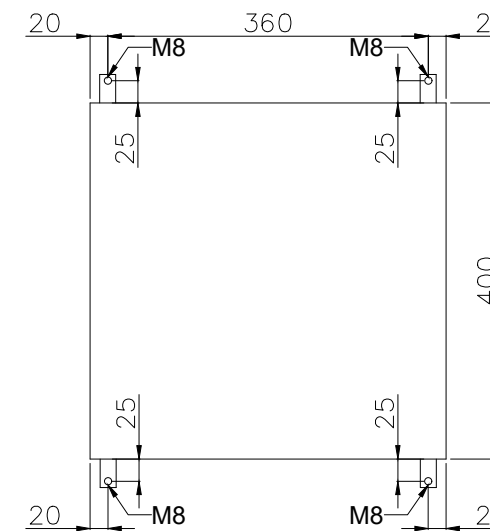
## Bottom View



## Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 6x (Cables from Transmitters)
3. M20 - 2x (Spare)
4. M25 - 1x (Multipair Cable from Customer)
5. M25 - 1x (Spare)

## Back (Outside) View Mounting Details



### GENERAL NOTES

- NOTES
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| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
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| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:



DRAWING TITLE:  
PANEL LAYOUT DRAWING  
LOCAL CONTROL PANEL PFJBIA-40061i

| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT    | TYPE | SEQ. |
|-------------------|-------------|--------|-------------|------------|---------|------|------|
| 3944              | VD          | 0171   | DYP         | RE         | 400     | DWG  | 0003 |
| SCALE:            | NONE        | SIZE:  | A0          | SHEET NO.  | 6 OF 34 | REV. | 03   |

| No.                       | Description                     | Tag Number | Make            | Model   | Qty. |
|---------------------------|---------------------------------|------------|-----------------|---------|------|
| 1                         | Running Indication Lamp (Green) | 3H4        | TBD             | TBD     | 1    |
| 2                         | Fault Indication Lamp (Amber)   | 3H6        | TBD             | TBD     | 1    |
| 3                         | Start Pushbutton (Green)        | 2S4        | TBD             | TBD     | 1    |
| 4                         | Stop Pushbutton (Red)           | 2S6        | TBD             | TBD     | 1    |
| 5                         | Lamp Test Pushbutton (Black)    | 2S8        | TBD             | TBD     | 1    |
| Terminal Strip Definition |                                 |            |                 |         |      |
| X1                        | Connection Pushbuttons & Lamps  | X1         | Phoenix Contact | 3211760 | 21   |

GENERAL NOTES

NOTES  
1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM.

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

LEGEND

RESULT CODE:  AP  AN  CO  RE

NEXT STATUS:  IFI  IFA  AFC  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:  
M.R. NO.:  
ITEM NO. (EQUIPMENT NO.):  
VENDRO JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |

OWNER:  


PROJECT:  
300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:  
 

CONTRACTOR:  
 

VENDOR:  

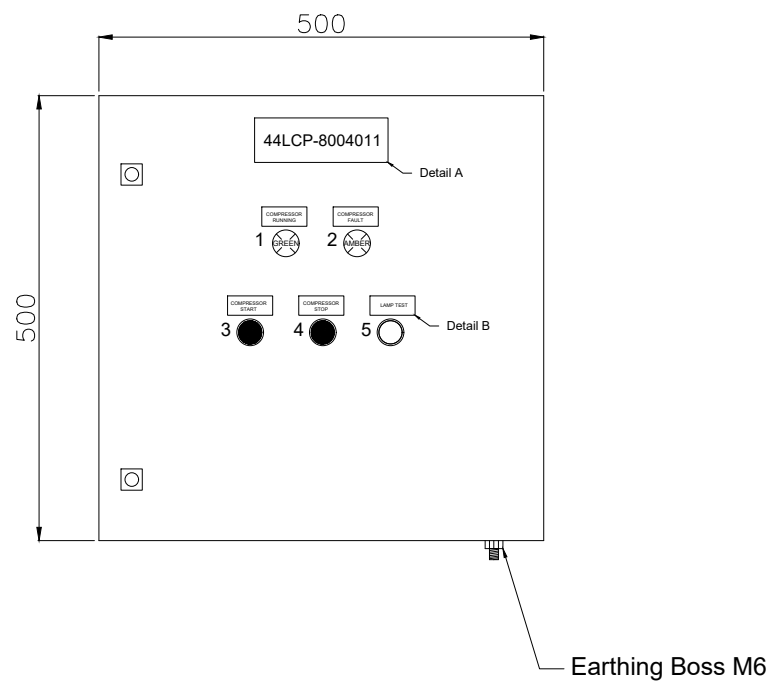

DRAWING TITLE:  
PANEL LAYOUT DRAWING  
BILL OF MATERIALS FOR  
LOCAL CONTROL PANEL 44LCP-8004011

| OWNER | PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
|-------|-------------|-------------|--------|-------------|------------|------|------|------|
| 3944  | VD          | 0171        | DYP    | RE          | 400        | DWG  | 0003 |      |

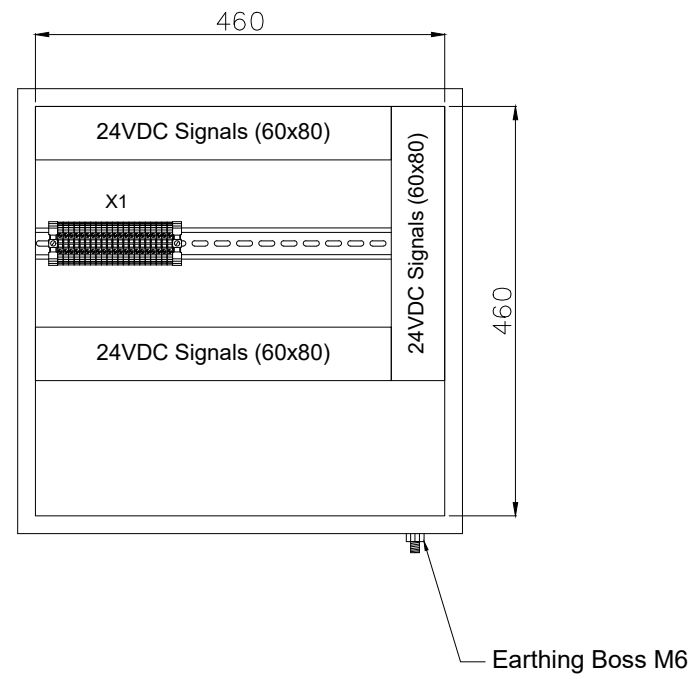
SCALE: NONE SIZE: A0 SHEET NO. 7 OF 34 REV. 03

# 44LCP-8004011

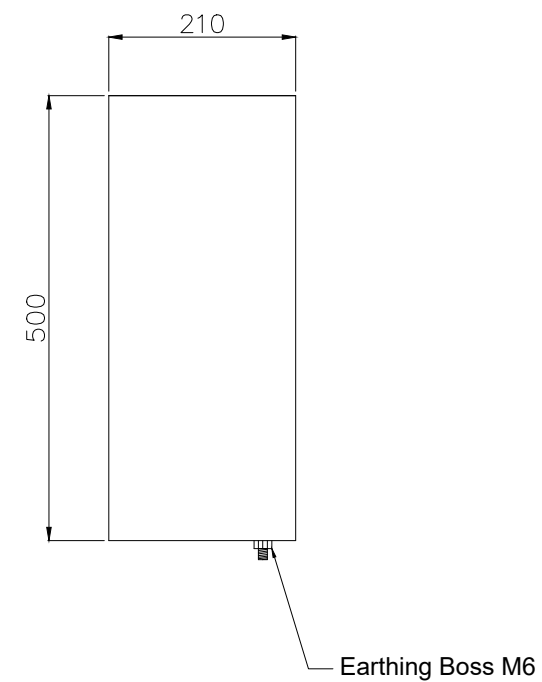
## Front Side (Outside) View



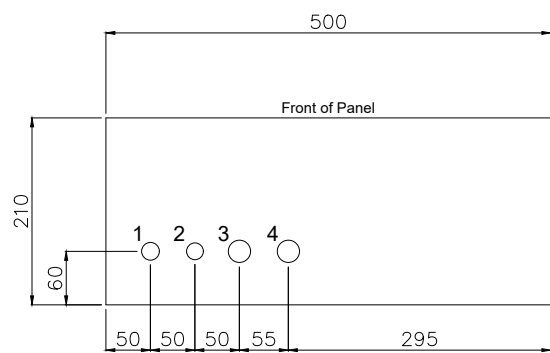
## Front Side (Inside) View



## Side (Outside) View



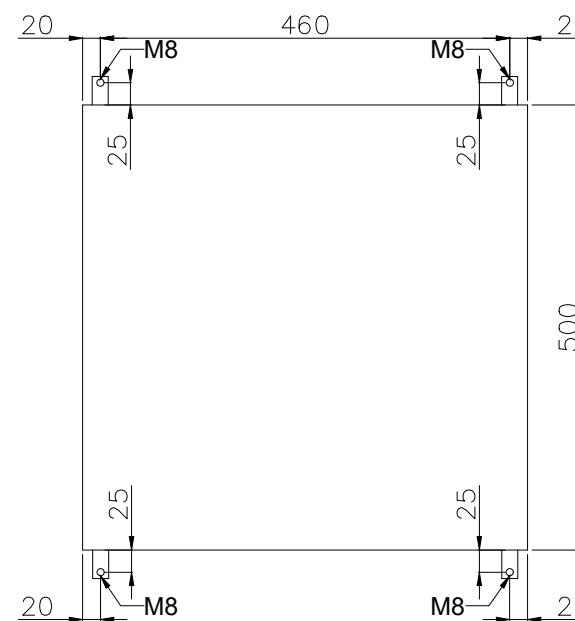
## Bottom View



## Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for Pushbuttons & Lamps)
4. M25 - 1x (Spare)

## Back (Outside) View Mounting Details



### GENERAL NOTES

- NOTES
1. PANEL DIMENSIONS: 500x500x210mm
  2. PANEL MATERIAL: SS316L STAINLESS STEEL
  3. PANEL COLOR: RAL7032 (GRAY)
  4. PANEL WALL THICKNESS: 1.6mm
  5. PANEL WEIGHT: ~20kg
  6. PANEL WILL BE RIGHT HINGED
  7. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
  8. AMBIENT TEMPERATURE: 5°C/+48°C
  9. INGRESS PROTECTION: IP65
  10. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
  11. DIN RAIL TYPE: NS35
  12. SPARES WILL BE PLUGGED WITH SUS Ex PLUG
  13. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS
  14. ALL DIMENSIONS IN mm.
  15. EXTERNAL EARTH BOLT AND RELATED PARTS ARE ALL COPPER.
  16. INDICATION LAMP VOLTAGE: 24VDC

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

### LEGEND

RESULT CODE:  AP  AN  CO  RE RESUBMISSION DATE:

NEXT STATUS:  IFI  IFA  JAF  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDOR JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       |       | RT    | RB    | SC  |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       |       | RT    | RB    | SC  |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       |       | RT    | RB    | SC  |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       |       | RT    | RB    | SC  |

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



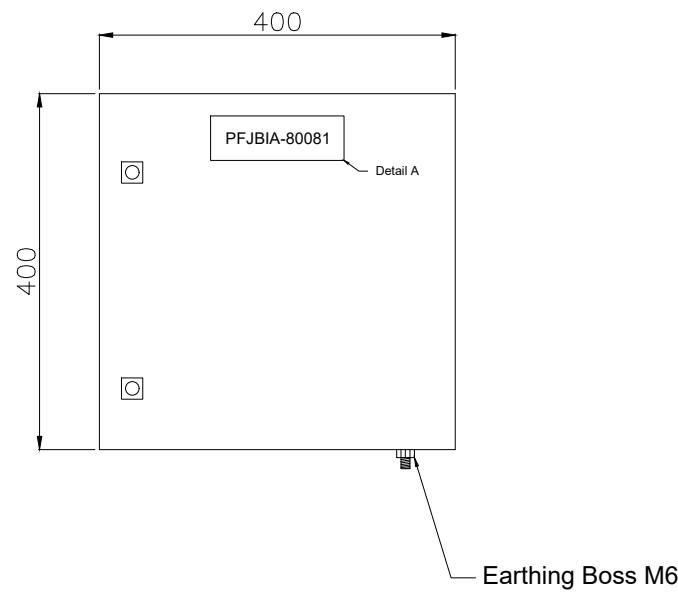
DRAWING TITLE:

PANEL LAYOUT DRAWING  
LOCAL CONTROL PANEL 44LCP-8004011

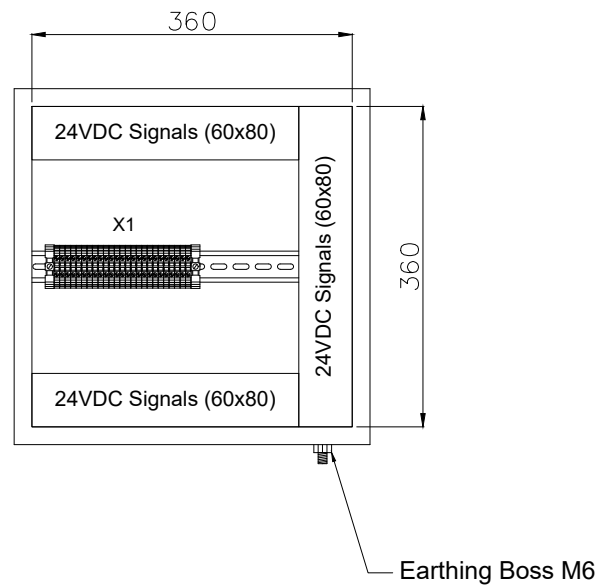
| OWNER PROJECT NO. | VENDOR DWG. | MR NO.      | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
|-------------------|-------------|-------------|-------------|------------|------|------|------|
| 3944              | VD          | 0171        | DYP         | RE         | 400  | DWG  | 0003 |
| SCALE: NONE       | SIZE: A0    | SHEET NO. 8 | OF 34       | REV. 03    |      |      |      |

# PFJBIA-80081

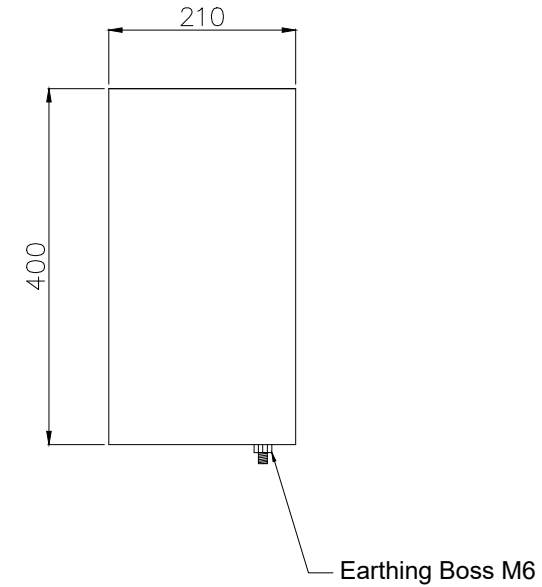
## Front Side (Outside) View



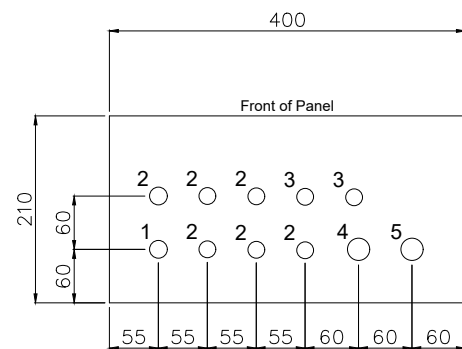
## Front Side (Inside) View



## Side (Outside) View



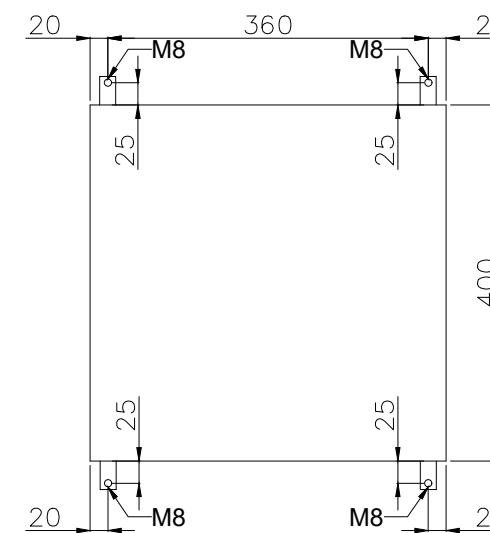
## Bottom View



## Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 6x (Cables from Transmitters)
3. M20 - 2x (Spare)
4. M25 - 1x (Multipair Cable from Customer)
5. M25 - 1x (Spare)

## Back (Outside) View Mounting Details



### GENERAL NOTES

- NOTES
1. PANEL DIMENSIONS: 400x400x210mm
  2. PANEL MATERIAL: SS316L STAINLESS STEEL
  3. PANEL COLOR: RAL7032 (GRAY)
  4. PANEL WALL THICKNESS: 1.6mm
  5. PANEL WEIGHT: ~15Kg
  6. PANEL WILL BE RIGHT HINGED
  7. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
  8. AMBIENT TEMPERATURE: 5°C/+48°C
  9. INGRESS PROTECTION: IP65
  10. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
  11. DIN RAIL TYPE: NS35
  12. SPARES WILL BE PLUGGED WITH SUS EX PLUG
  13. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS
  14. ALL DIMENSIONS IN mm.
  15. EXTERNAL EARTH BOLT AND RELATED PARTS ARE ALL COPPER.

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

### LEGEND

RESULT CODE:  AP  AN  CO  RE RESUBMISSION DATE:

NEXT STATUS:  IFI  IFA  JAF  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDRO JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC: **ISEDCO** **گروه صنعتی ایزدکو**

CONTRACTOR: **SAZEH CONSULTANTS** **سازهند مشاوران** VENDOR: **DYPNF**

DRAWING TITLE: **PANEL LAYOUT DRAWING  
LOCAL CONTROL PANEL PFJBIA-80081**

| OWNER PROJECT NO. | VENDOR DWG. | MR NO.      | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
|-------------------|-------------|-------------|-------------|------------|------|------|------|
| 3944              | VD          | 0171        | DYP         | RE         | 400  | DWG  | 0003 |
| SCALE: NONE       | SIZE: A0    | SHEET NO. 9 | OF 34       | REV. 03    |      |      |      |

| No.                       | Description                     | Tag Number | Make            | Model   | Qty. |
|---------------------------|---------------------------------|------------|-----------------|---------|------|
| 1                         | Running Indication Lamp (Green) | 3H4        | TBD             | TBD     | 1    |
| 2                         | Fault Indication Lamp (Amber)   | 3H6        | TBD             | TBD     | 1    |
| 3                         | Start Pushbutton (Green)        | 2S4        | TBD             | TBD     | 1    |
| 4                         | Stop Pushbutton (Red)           | 2S6        | TBD             | TBD     | 1    |
| 5                         | Lamp Test Pushbutton (Black)    | 2S8        | TBD             | TBD     | 1    |
| Terminal Strip Definition |                                 |            |                 |         |      |
| X1                        | Connection Pushbuttons & Lamps  | X1         | Phoenix Contact | 3211760 | 21   |

GENERAL NOTES

NOTES  
1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM.

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

LEGEND

RESULT CODE:  AP  AN  CO  RE

NEXT STATUS:  IFI  IFA  AFC  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:  
M.R. NO.:  
ITEM NO. (EQUIPMENT NO.):  
VENDRO JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |

OWNER:  


PROJECT:  
300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:  
 

CONTRACTOR:  
 

VENDOR:  

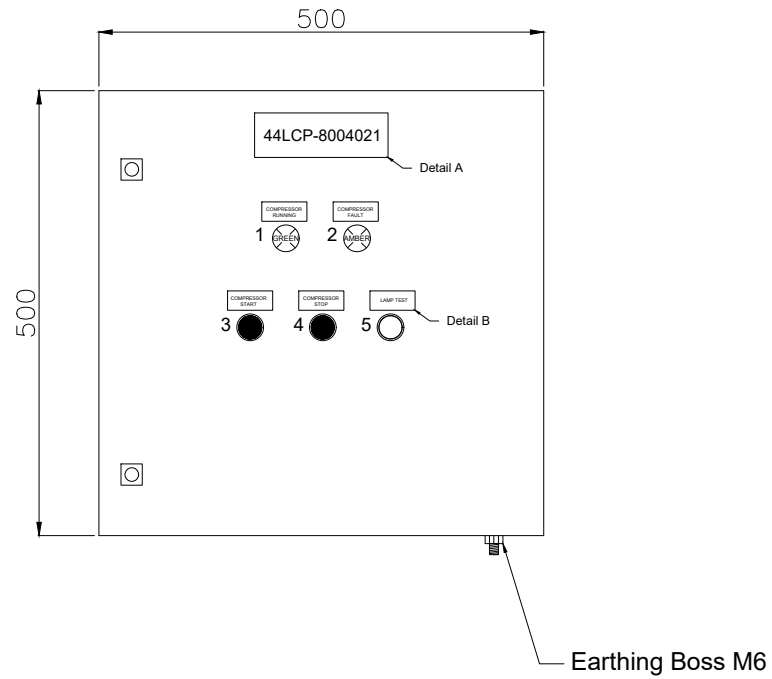

DRAWING TITLE:  
PANEL LAYOUT DRAWING  
BILL OF MATERIALS FOR  
LOCAL CONTROL PANEL 44LCP-8004021

| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
|-------------------|-------------|--------|-------------|------------|------|------|------|
| 3944              | VD          | 0171   | DYP         | RE         | 400  | DWG  | 0003 |

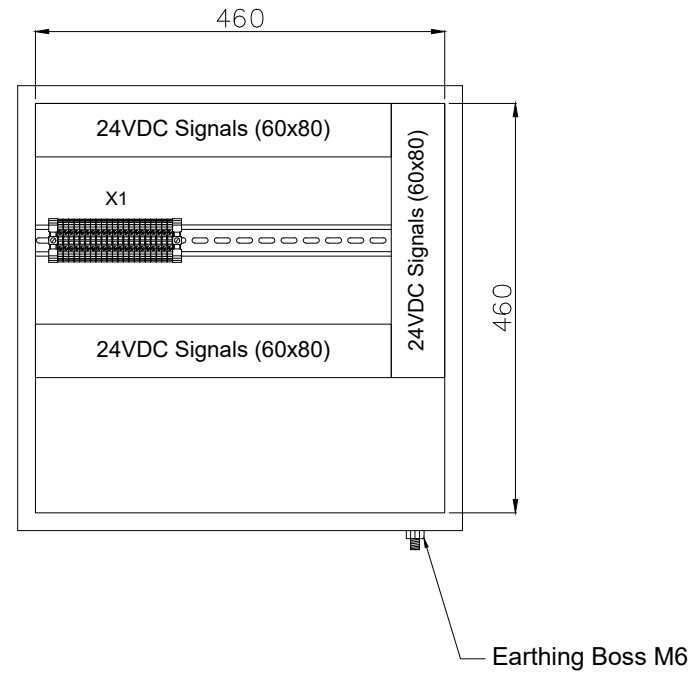
SCALE: NONE SIZE: A0 SHEET NO. 10 OF 34 REV. 03

# 44LCP-8004021

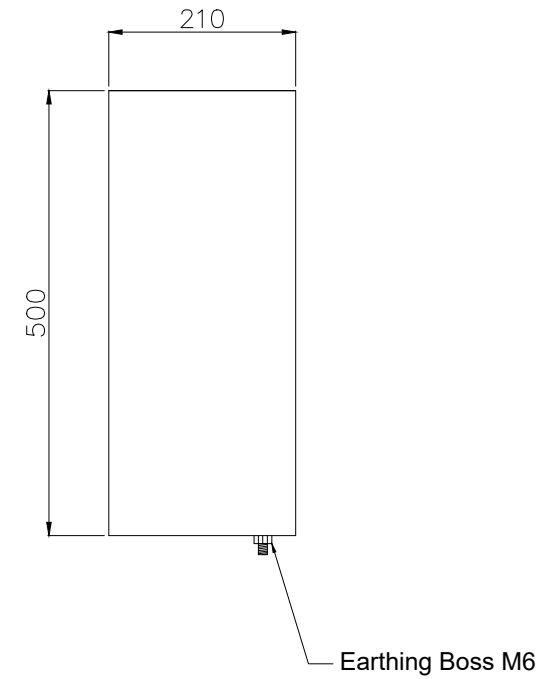
## Front Side (Outside) View



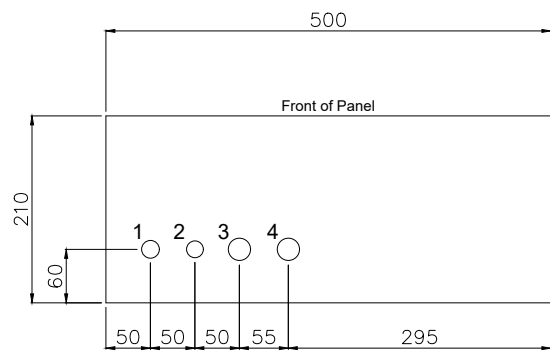
## Front Side (Inside) View



## Side (Outside) View



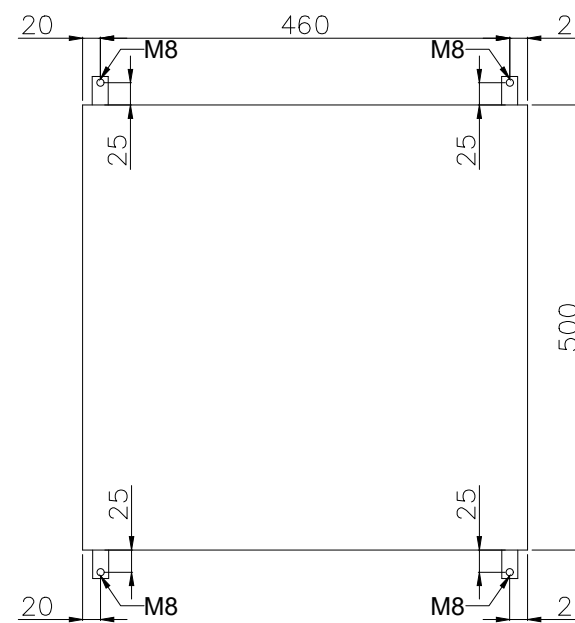
## Bottom View



## Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for Pushbuttons & Lamps)
4. M25 - 1x (Spare)

## Back (Outside) View Mounting Details



### GENERAL NOTES

- NOTES
1. PANEL DIMENSIONS: 500x500x210mm
  2. PANEL MATERIAL: SS316L STAINLESS STEEL
  3. PANEL COLOR: RAL7032 (GRAY)
  4. PANEL WALL THICKNESS: 1.6mm
  5. PANEL WEIGHT: ~20kg
  6. PANEL WILL BE RIGHT HINGED
  7. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
  8. AMBIENT TEMPERATURE: 5°C/+48°C
  9. INGRESS PROTECTION: IP65
  10. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
  11. DIN RAIL TYPE: NS35
  12. SPARES WILL BE PLUGGED WITH SUS EX PLUG
  13. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS
  14. ALL DIMENSIONS IN mm.
  15. EXTERNAL EARTH BOLT AND RELATED PARTS ARE ALL COPPER.
  16. INDICATION LAMP VOLTAGE: 24VDC

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

### LEGEND

RESULT CODE:  AP  AN  CO  RE RESUBMISSION DATE:

NEXT STATUS:  IFI  IFA  JAF  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDOR JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       |       | RT    | RB    | SC  |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       |       | RT    | RB    | SC  |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       |       | RT    | RB    | SC  |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       |       | RT    | RB    | SC  |

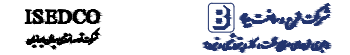
OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:

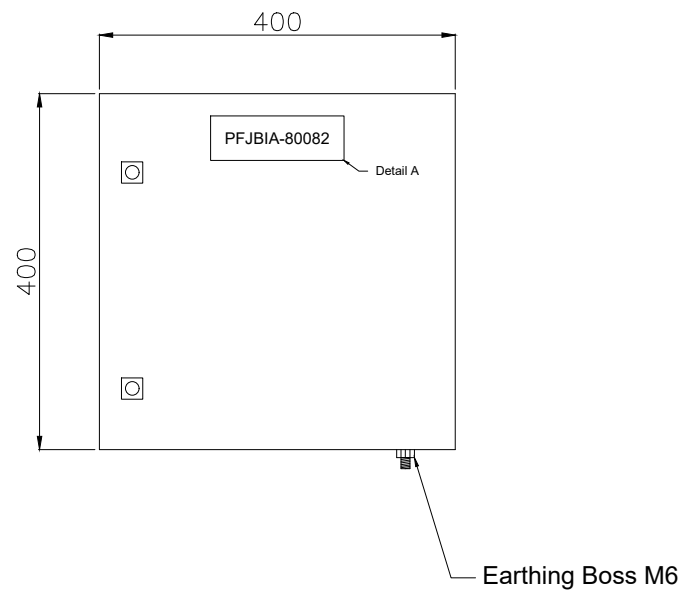


DRAWING TITLE:  
PANEL LAYOUT DRAWING  
LOCAL CONTROL PANEL 44LCP-8004021

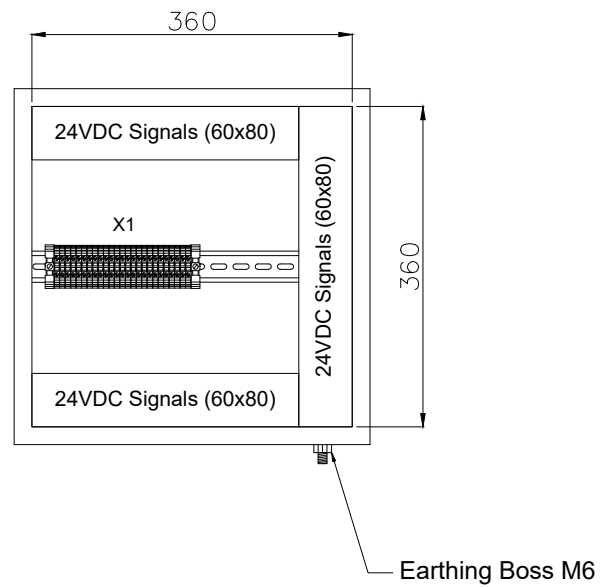
| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT     | TYPE | SEQ. |
|-------------------|-------------|--------|-------------|------------|----------|------|------|
| 3944              | VD          | 0171   | DYP         | RE         | 400      | DWG  | 0003 |
| SCALE:            | NONE        | SIZE:  | A0          | SHEET NO.  | 11 OF 34 | REV. | 03   |

# PFJBIA-80082

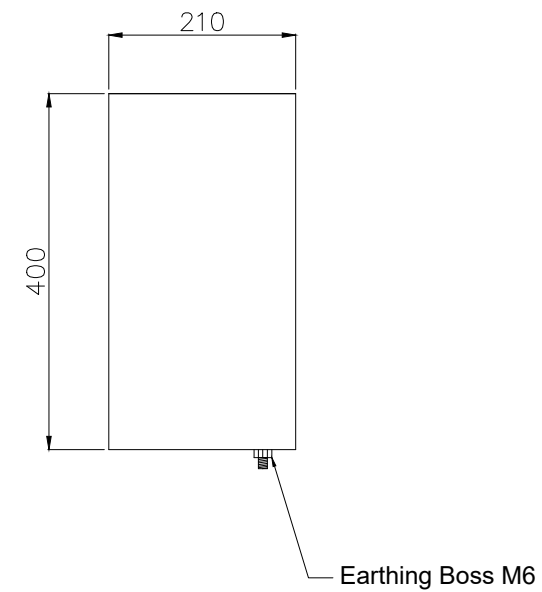
## Front Side (Outside) View



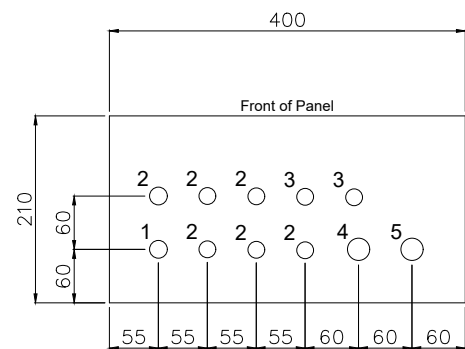
## Front Side (Inside) View



## Side (Outside) View



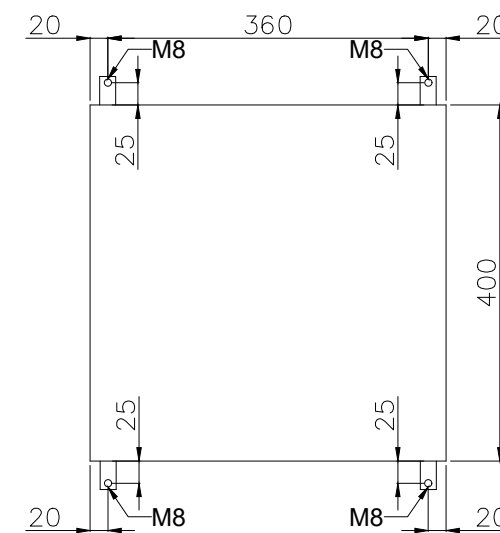
## Bottom View



## Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 6x (Cables from Transmitters)
3. M20 - 2x (Spare)
4. M25 - 1x (Multipair Cable from Customer)
5. M25 - 1x (Spare)

## Back (Outside) View Mounting Details



### GENERAL NOTES

- NOTES
1. PANEL DIMENSIONS: 400x400x210mm
  2. PANEL MATERIAL: SS316L STAINLESS STEEL
  3. PANEL COLOR: RAL7032 (GRAY)
  4. PANEL WALL THICKNESS: 1.6mm
  5. PANEL WEIGHT: ~15Kg
  6. PANEL WILL BE RIGHT HINGED
  7. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
  8. AMBIENT TEMPERATURE: 5°C/+48°C
  9. INGRESS PROTECTION: IP65
  10. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
  11. DIN RAIL TYPE: NS35
  12. SPARES WILL BE PLUGGED WITH SUS EX PLUG
  13. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS
  14. ALL DIMENSIONS IN mm.
  15. EXTERNAL EARTH BOLT AND RELATED PARTS ARE ALL COPPER.

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

### LEGEND

RESULT CODE:  AP  AN  CO  RE RESUBMISSION DATE:

NEXT STATUS:  IFI  IFA  JAF  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDRO JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:



DRAWING TITLE:

PANEL LAYOUT DRAWING  
LOCAL CONTROL PANEL PFJBIA-80082

OWNER DOC. NO.

OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ.

3944 | VD | 0171 | DYP | RE | 400 | DWG | 0003

SCALE: NONE | SIZE: A0 | SHEET NO. 12 OF 34 | REV. 03

| No.                       | Description                     | Tag Number | Make            | Model   | Qty. |
|---------------------------|---------------------------------|------------|-----------------|---------|------|
| 1                         | Running Indication Lamp (Green) | 3H4        | TBD             | TBD     | 1    |
| 2                         | Fault Indication Lamp (Amber)   | 3H6        | TBD             | TBD     | 1    |
| 3                         | Start Pushbutton (Green)        | 2S4        | TBD             | TBD     | 1    |
| 4                         | Stop Pushbutton (Red)           | 2S6        | TBD             | TBD     | 1    |
| 5                         | Lamp Test Pushbutton (Black)    | 2S8        | TBD             | TBD     | 1    |
| Terminal Strip Definition |                                 |            |                 |         |      |
| X1                        | Connection Pushbuttons & Lamps  | X1         | Phoenix Contact | 3211760 | 21   |

GENERAL NOTES

NOTES  
1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM.

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

LEGEND

RESULT CODE:  AP  AN  CO  RE

NEXT STATUS:  IFI  IFA  AFC  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:  
M.R. NO.:  
ITEM NO. (EQUIPMENT NO.):  
VENDRO JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |

OWNER:  


PROJECT:  
300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:  
 

CONTRACTOR:  
 

VENDOR:  

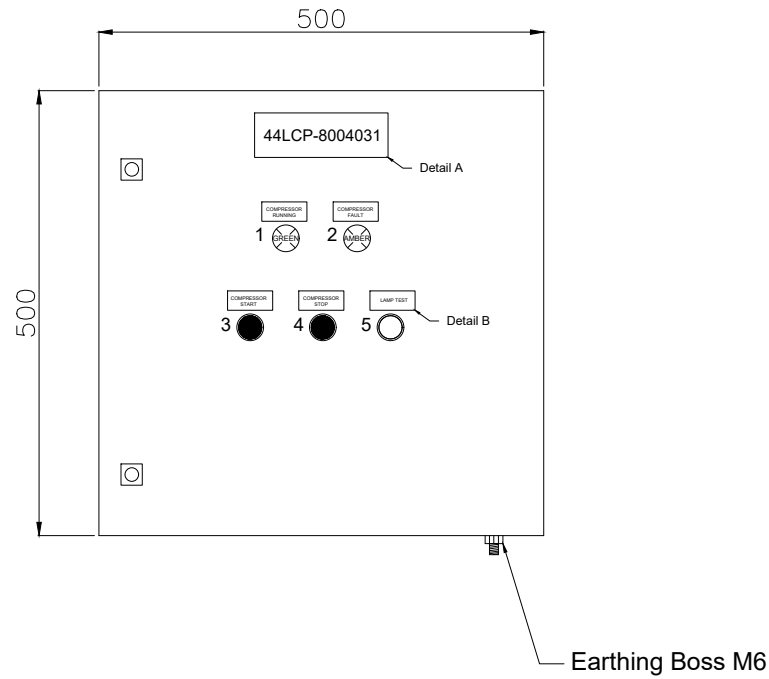

DRAWING TITLE:  
PANEL LAYOUT DRAWING  
BILL OF MATERIALS FOR  
LOCAL CONTROL PANEL 44LCP-8004031

| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
|-------------------|-------------|--------|-------------|------------|------|------|------|
| 3944              | VD          | 0171   | DYP         | RE         | 400  | DWG  | 0003 |

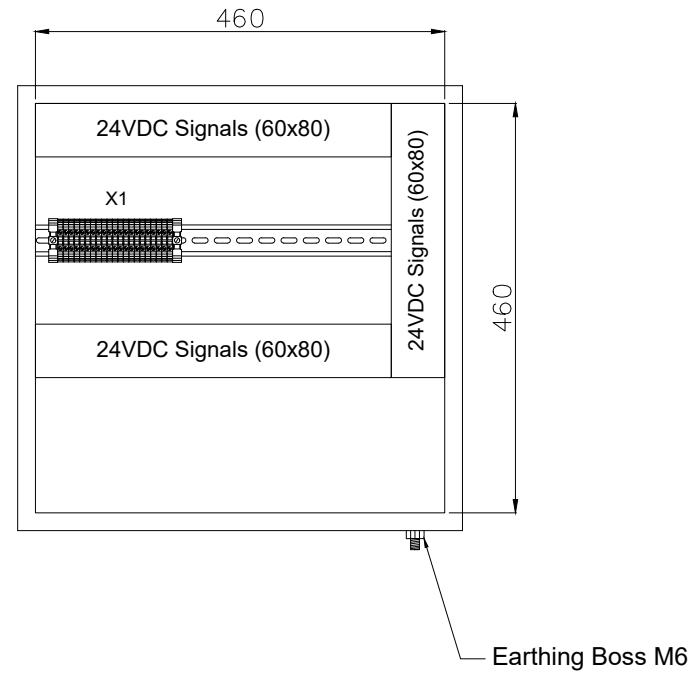
SCALE: NONE SIZE: A0 SHEET NO. 13 OF 34 REV. 03

# 44LCP-8004031

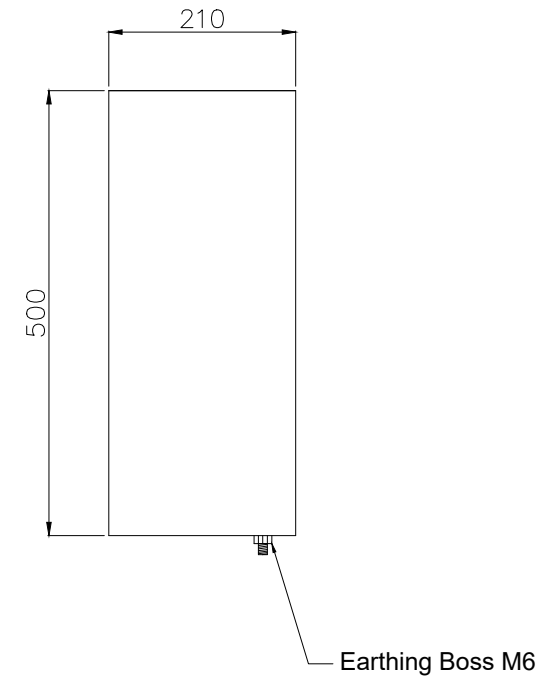
## Front Side (Outside) View



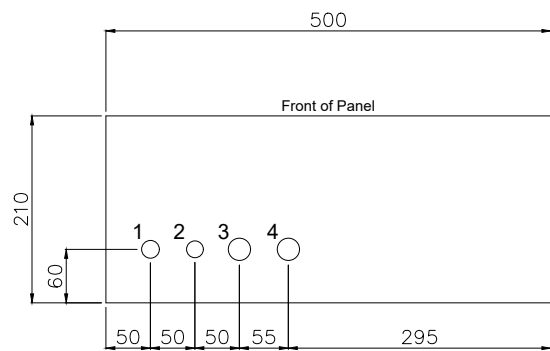
## Front Side (Inside) View



## Side (Outside) View



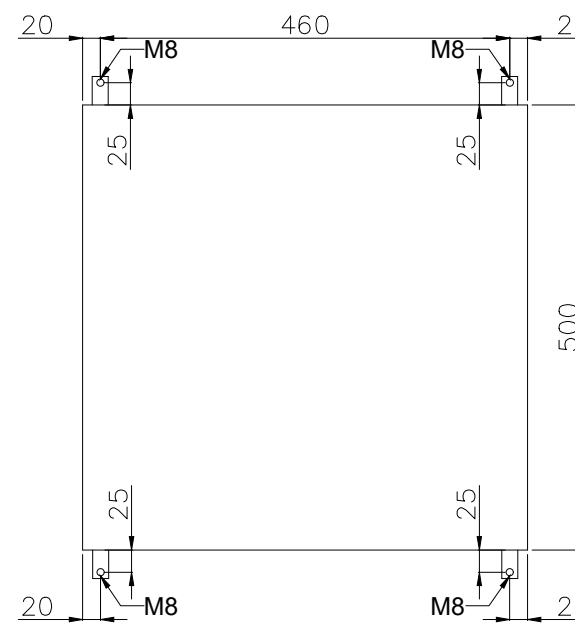
## Bottom View



## Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for Pushbuttons & Lamps)
4. M25 - 1x (Spare)

## Back (Outside) View Mounting Details



### GENERAL NOTES

- NOTES
1. PANEL DIMENSIONS: 500x500x210mm
  2. PANEL MATERIAL: SS316L STAINLESS STEEL
  3. PANEL COLOR: RAL7032 (GRAY)
  4. PANEL WALL THICKNESS: 1.6mm
  5. PANEL WEIGHT: ~20kg
  6. PANEL WILL BE RIGHT HINGED
  7. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
  8. AMBIENT TEMPERATURE: 5°C/+48°C
  9. INGRESS PROTECTION: IP65
  10. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
  11. DIN RAIL TYPE: NS35
  12. SPARES WILL BE PLUGGED WITH SUS Ex PLUG
  13. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS
  14. ALL DIMENSIONS IN mm.
  15. EXTERNAL EARTH BOLT AND RELATED PARTS ARE ALL COPPER.
  16. INDICATION LAMP VOLTAGE: 24VDC

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

### LEGEND

RESULT CODE:  AP  AN  CO  RE RESUBMISSION DATE:

NEXT STATUS:  IFI  IFA  JAF  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDOR JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |

OWNER:



PROJECT:  
300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:

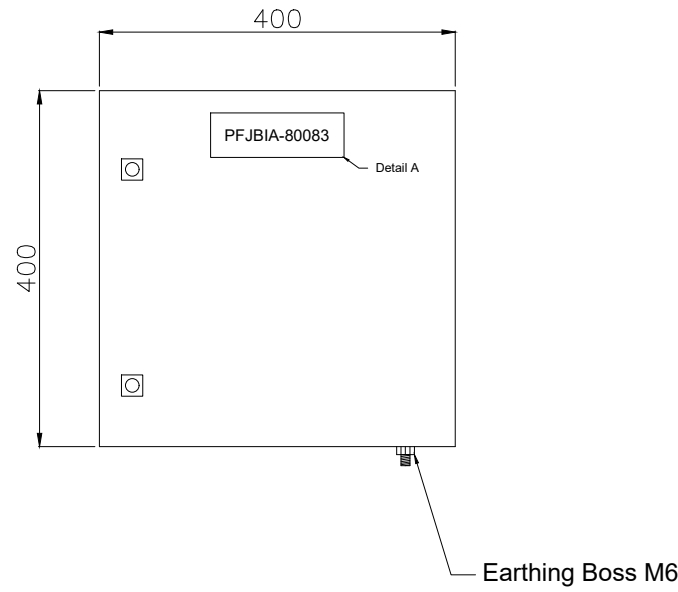
CONTRACTOR: VENDOR:

DRAWING TITLE:  
PANEL LAYOUT DRAWING  
LOCAL CONTROL PANEL 44LCP-8004031

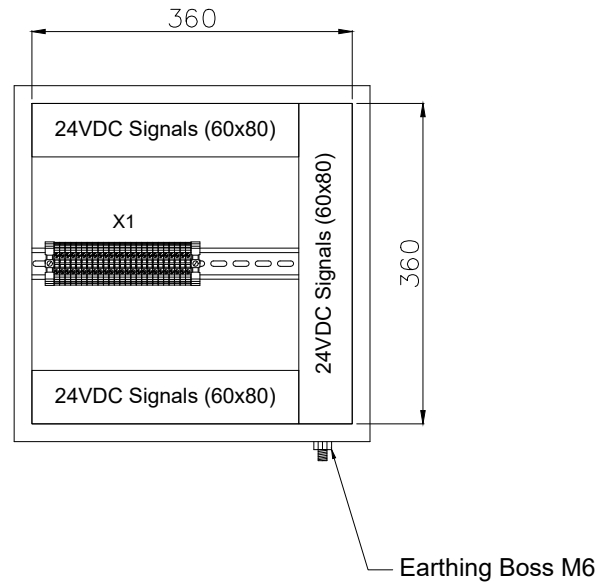
| OWNER PROJECT NO. | VENDOR DWG. | MR NO.             | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
|-------------------|-------------|--------------------|-------------|------------|------|------|------|
| 3944              | VD          | 0171               | DYP         | RE         | 400  | DWG  | 0003 |
| SCALE: NONE       | SIZE: A0    | SHEET NO. 14 OF 34 | REV. 03     |            |      |      |      |

# PFJBIA-80083

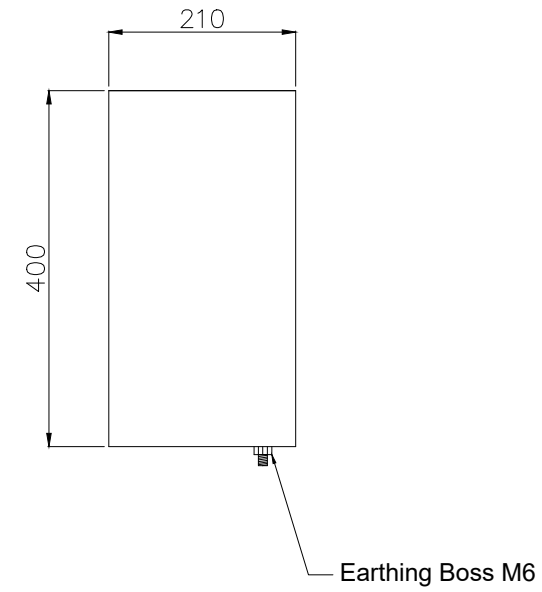
## Front Side (Outside) View



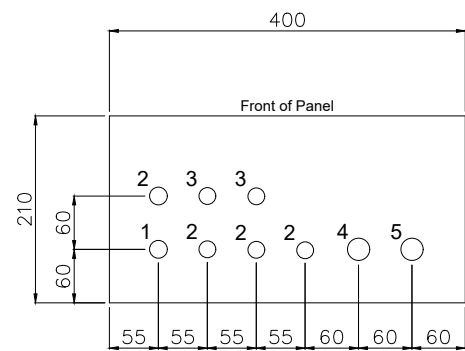
## Front Side (Inside) View



## Side (Outside) View



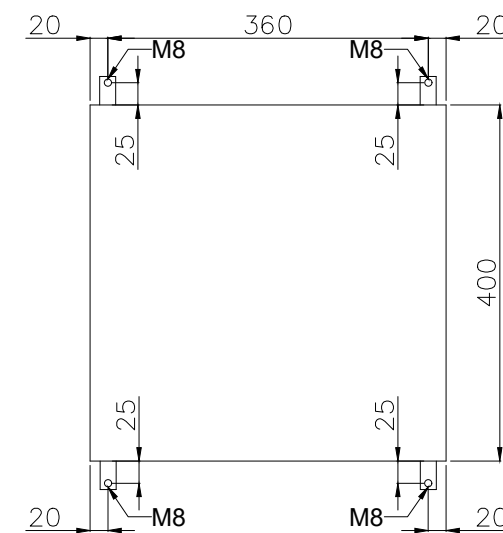
## Bottom View



## Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 4x (Cables from Transmitters)
3. M20 - 2x (Spare)
4. M25 - 1x (Multipair Cable from Customer)
5. M25 - 1x (Spare)

## Back (Outside) View Mounting Details



### GENERAL NOTES

- NOTES
1. PANEL DIMENSIONS: 400x400x210mm
  2. PANEL MATERIAL: SS316L STAINLESS STEEL
  3. PANEL COLOR: RAL7032 (GRAY)
  4. PANEL WALL THICKNESS: 1.6mm
  5. PANEL WEIGHT: ~15Kg
  6. PANEL WILL BE RIGHT HINGED
  7. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
  8. AMBIENT TEMPERATURE: 5°C/+48°C
  9. INGRESS PROTECTION: IP65
  10. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
  11. DIN RAIL TYPE: NS35
  12. SPARES WILL BE PLUGGED WITH SUS EX PLUG
  13. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS
  14. ALL DIMENSIONS IN mm.
  15. EXTERNAL EARTH BOLT AND RELATED PARTS ARE ALL COPPER.

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

### LEGEND

RESULT CODE:  AP  AN  CO  RE RESUBMISSION DATE:

NEXT STATUS:  IFI  IFA  JAF  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDRO JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:



DRAWING TITLE:  
PANEL LAYOUT DRAWING  
LOCAL CONTROL PANEL PFJBIA-80083

| OWNER PROJECT NO. | VENDOR DWG. | MR NO.       | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
|-------------------|-------------|--------------|-------------|------------|------|------|------|
| 3944              | VD          | 0171         | DYP         | RE         | 400  | DWG  | 0003 |
| SCALE: NONE       | SIZE: A0    | SHEET NO. 15 | OF 34       | REV. 03    |      |      |      |

| No.                       | Description                     | Tag Number | Make            | Model   | Qty. |
|---------------------------|---------------------------------|------------|-----------------|---------|------|
| 1                         | Running Indication Lamp (Green) | 3H4        | TBD             | TBD     | 1    |
| 2                         | Fault Indication Lamp (Amber)   | 3H6        | TBD             | TBD     | 1    |
| 3                         | Start Pushbutton (Green)        | 2S4        | TBD             | TBD     | 1    |
| 4                         | Stop Pushbutton (Red)           | 2S6        | TBD             | TBD     | 1    |
| 5                         | Lamp Test Pushbutton (Black)    | 2S8        | TBD             | TBD     | 1    |
| Terminal Strip Definition |                                 |            |                 |         |      |
| X1                        | Connection Pushbuttons & Lamps  | X1         | Phoenix Contact | 3211760 | 21   |

GENERAL NOTES

NOTES  
1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM.

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

LEGEND

RESULT CODE:  AP  AN  CO  RE

NEXT STATUS:  IFI  IFA  AFC  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:  
M.R. NO.:  
ITEM NO. (EQUIPMENT NO.):  
VENDRO JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |

OWNER:  


PROJECT:  
300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:  
 

CONTRACTOR:  
 

VENDOR:  

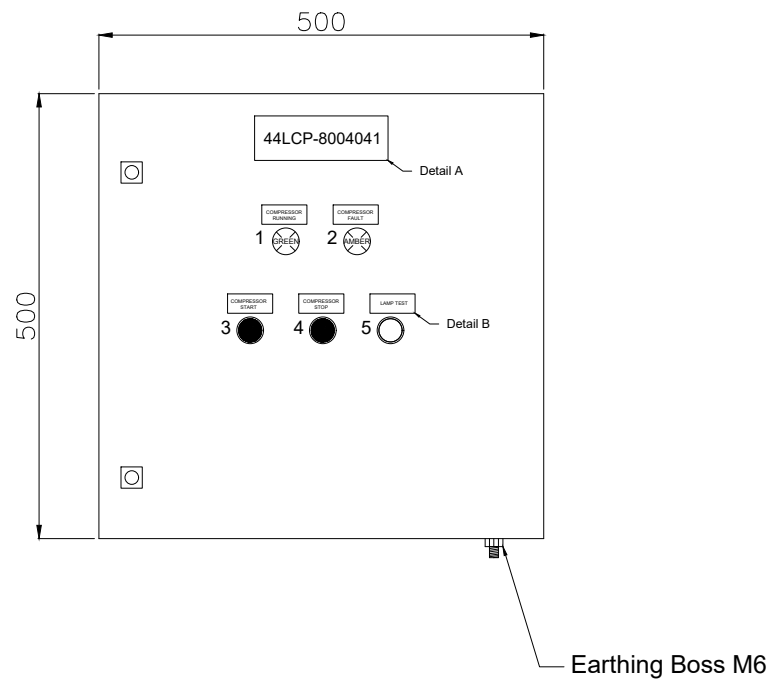

DRAWING TITLE:  
PANEL LAYOUT DRAWING  
BILL OF MATERIALS FOR  
LOCAL CONTROL PANEL 44LCP-8004041

| OWNER | PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
|-------|-------------|-------------|--------|-------------|------------|------|------|------|
| 3944  | VD          | 0171        | DYP    | RE          | 400        | DWG  | 0003 |      |

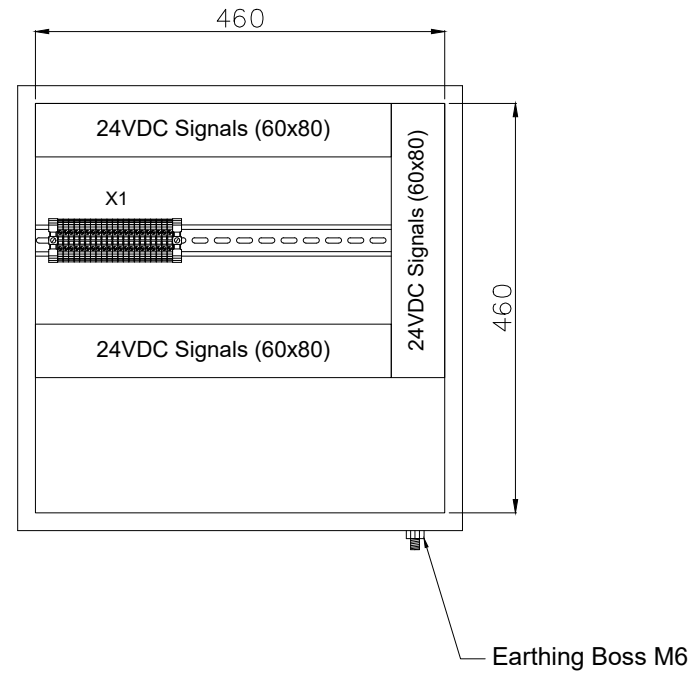
SCALE: NONE SIZE: A0 SHEET NO. 16 OF 34 REV. 03

# 44LCP-8004041

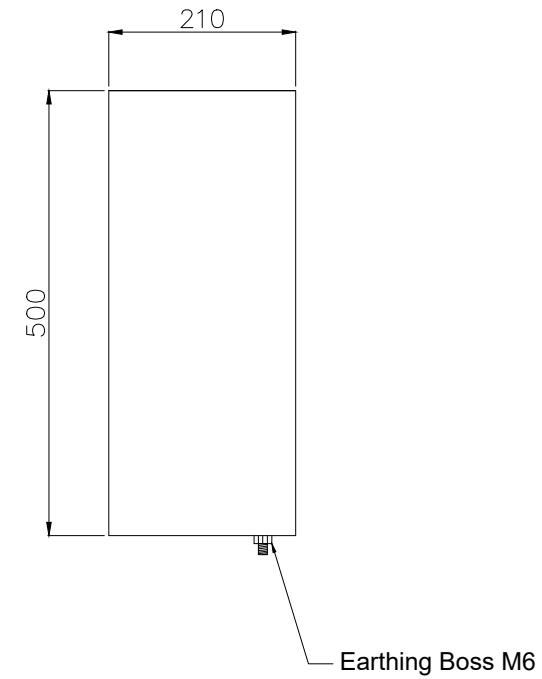
## Front Side (Outside) View



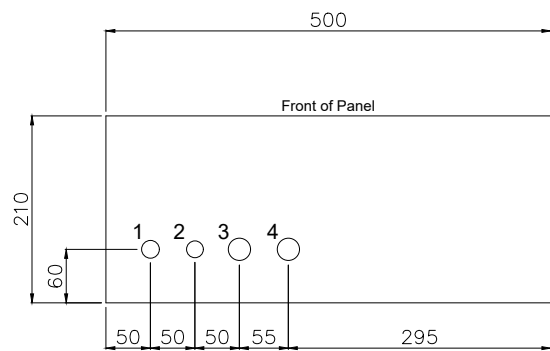
## Front Side (Inside) View



## Side (Outside) View



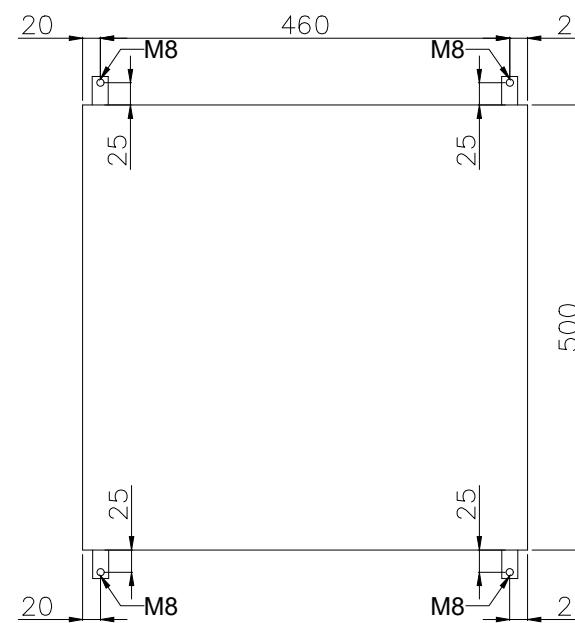
## Bottom View



## Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for Pushbuttons & Lamps)
4. M25 - 1x (Spare)

## Back (Outside) View Mounting Details



### GENERAL NOTES

- NOTES
1. PANEL DIMENSIONS: 500x500x210mm
  2. PANEL MATERIAL: SS316L STAINLESS STEEL
  3. PANEL COLOR: RAL7032 (GRAY)
  4. PANEL WALL THICKNESS: 1.6mm
  5. PANEL WEIGHT: ~20kg
  6. PANEL WILL BE RIGHT HINGED
  7. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
  8. AMBIENT TEMPERATURE: 5°C/+48°C
  9. INGRESS PROTECTION: IP65
  10. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
  11. DIN RAIL TYPE: NS35
  12. SPARES WILL BE PLUGGED WITH SUS EX PLUG
  13. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS
  14. ALL DIMENSIONS IN mm.
  15. EXTERNAL EARTH BOLT AND RELATED PARTS ARE ALL COPPER.
  16. INDICATION LAMP VOLTAGE: 24VDC

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

### LEGEND

RESULT CODE:  AP  AN  CO  RE RESUBMISSION DATE:

NEXT STATUS:  IFI  IFA  JAF  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDOR JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |

OWNER:



PROJECT:  
300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:

CONTRACTOR:

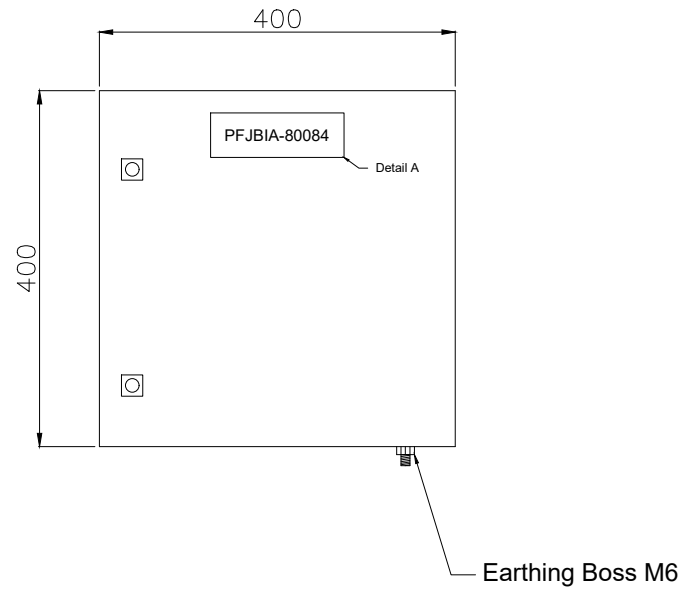
VENDOR:

DRAWING TITLE:  
PANEL LAYOUT DRAWING  
LOCAL CONTROL PANEL 44LCP-8004041

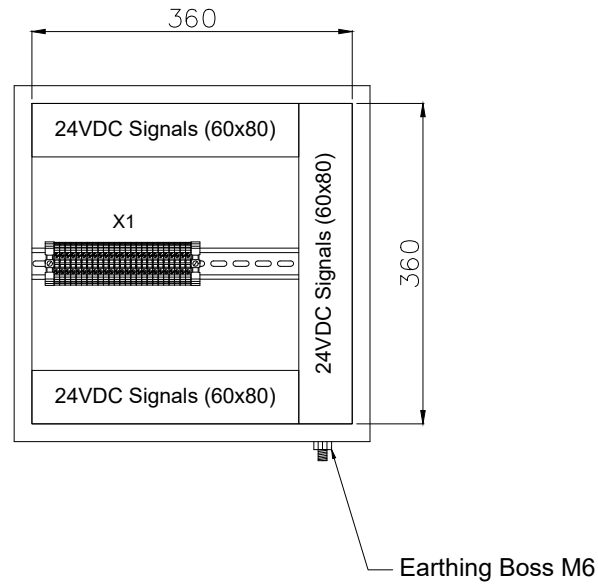
| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE  | SEQ. |    |
|-------------------|-------------|--------|-------------|------------|------|-------|------|----|
| 3944              | VD          | 0171   | DYP         | RE         | 400  | DWG   | 0003 |    |
| SCALE:            | NONE        | SIZE:  | A0          | SHEET NO.  | 17   | OF 34 | REV. | 03 |

# PFJBIA-80084

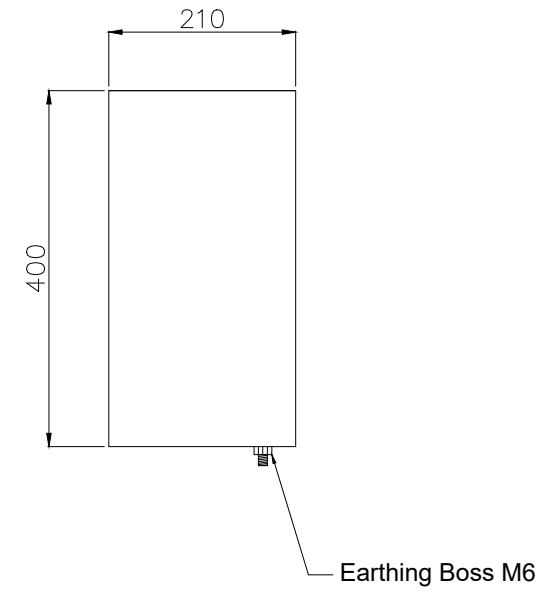
## Front Side (Outside) View



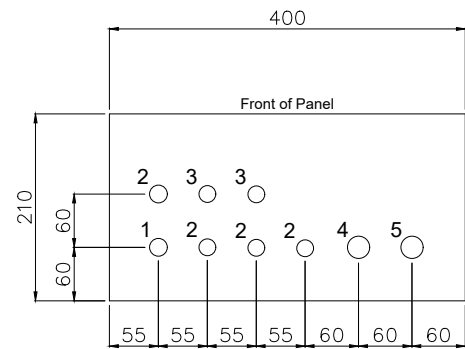
## Front Side (Inside) View



## Side (Outside) View



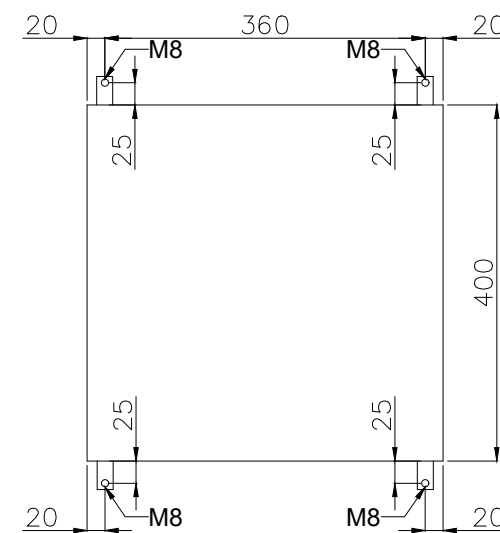
## Bottom View



## Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 4x (Cables from Transmitters)
3. M20 - 2x (Spare)
4. M25 - 1x (Multipair Cable from Customer)
5. M25 - 1x (Spare)

## Back (Outside) View Mounting Details



### GENERAL NOTES

- NOTES
1. PANEL DIMENSIONS: 400x400x210mm
  2. PANEL MATERIAL: SS316L STAINLESS STEEL
  3. PANEL COLOR: RAL7032 (GRAY)
  4. PANEL WALL THICKNESS: 1.6mm
  5. PANEL WEIGHT: ~15Kg
  6. PANEL WILL BE RIGHT HINGED
  7. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
  8. AMBIENT TEMPERATURE: 5°C/+48°C
  9. INGRESS PROTECTION: IP65
  10. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
  11. DIN RAIL TYPE: NS35
  12. SPARES WILL BE PLUGGED WITH SUS EX PLUG
  13. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS
  14. ALL DIMENSIONS IN mm.
  15. EXTERNAL EARTH BOLT AND RELATED PARTS ARE ALL COPPER.

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

### LEGEND

RESULT CODE:  AP  AN  CO  RE RESUBMISSION DATE:

NEXT STATUS:  IFI  IFA  JAF  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDRO JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:



DRAWING TITLE:  
PANEL LAYOUT DRAWING  
LOCAL CONTROL PANEL PFJBIA-80084

| OWNER PROJECT NO. | VENDOR DWG. | MR NO.       | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
|-------------------|-------------|--------------|-------------|------------|------|------|------|
| 3944              | VD          | 0171         | DYP         | RE         | 400  | DWG  | 0003 |
| SCALE: NONE       | SIZE: A0    | SHEET NO. 18 | OF 34       | REV. 03    |      |      |      |

| No.                       | Description                     | Tag Number | Make            | Model   | Qty. |
|---------------------------|---------------------------------|------------|-----------------|---------|------|
| 1                         | Running Indication Lamp (Green) | 3H4        | TBD             | TBD     | 1    |
| 2                         | Fault Indication Lamp (Amber)   | 3H6        | TBD             | TBD     | 1    |
| 3                         | Start Pushbutton (Green)        | 2S4        | TBD             | TBD     | 1    |
| 4                         | Stop Pushbutton (Red)           | 2S6        | TBD             | TBD     | 1    |
| 5                         | Lamp Test Pushbutton (Black)    | 2S8        | TBD             | TBD     | 1    |
| Terminal Strip Definition |                                 |            |                 |         |      |
| X1                        | Connection Pushbuttons & Lamps  | X1         | Phoenix Contact | 3211760 | 21   |

GENERAL NOTES

NOTES  
1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM.

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

LEGEND

RESULT CODE:  AP  AN  CO  RE

NEXT STATUS:  IFI  IFA  AFC  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:  
M.R. NO.:  
ITEM NO. (EQUIPMENT NO.):  
VENDRO JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |

OWNER:  


PROJECT:  
300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:  
 

CONTRACTOR:  
 

VENDOR:  

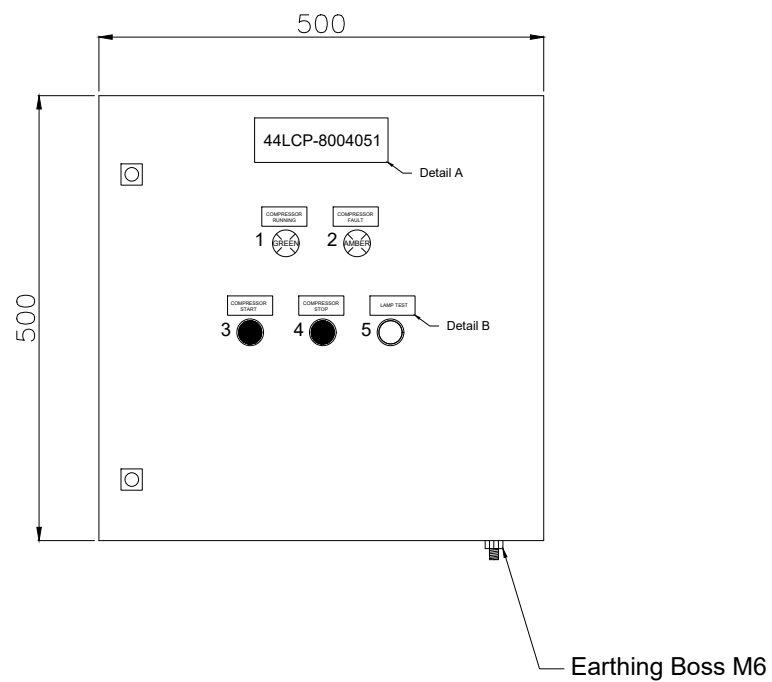

DRAWING TITLE:  
PANEL LAYOUT DRAWING  
BILL OF MATERIALS FOR  
LOCAL CONTROL PANEL 44LCP-8004051

| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
|-------------------|-------------|--------|-------------|------------|------|------|------|
| 3944              | VD          | 0171   | DYP         | RE         | 400  | DWG  | 0003 |

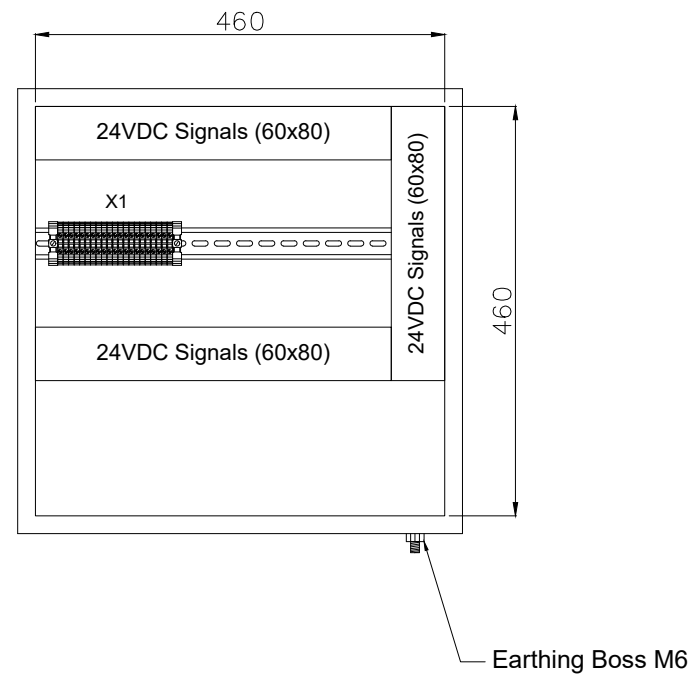
SCALE: NONE SIZE: A0 SHEET NO. 19 OF 34 REV. 03

# 44LCP-8004051

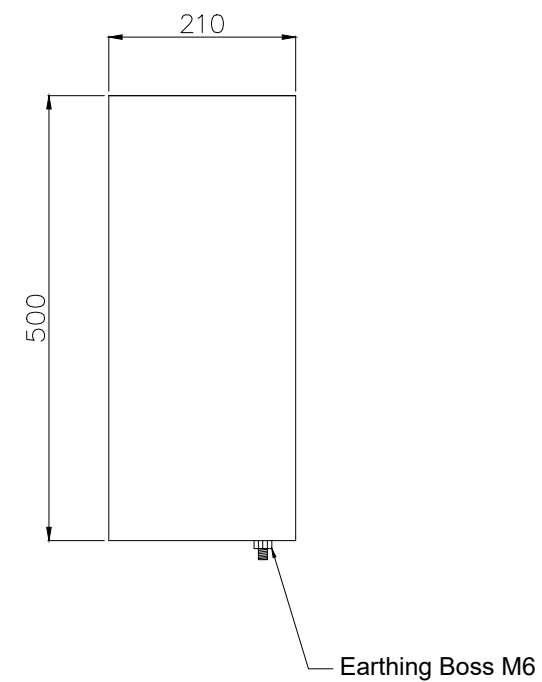
## Front Side (Outside) View



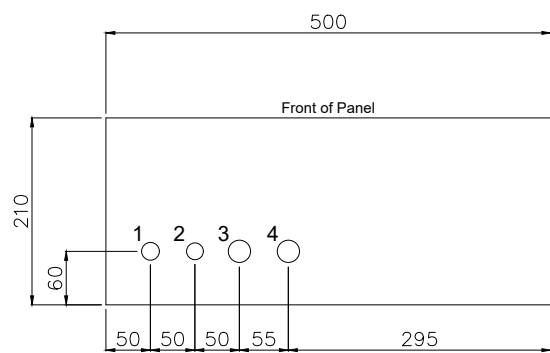
## Front Side (Inside) View



## Side (Outside) View



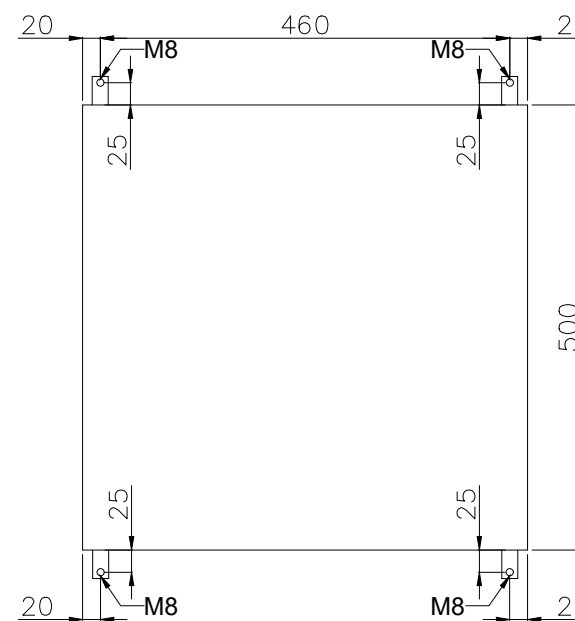
## Bottom View



## Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for Pushbuttons & Lamps)
4. M25 - 1x (Spare)

## Back (Outside) View Mounting Details



### GENERAL NOTES

- NOTES
1. PANEL DIMENSIONS: 500x500x210mm
  2. PANEL MATERIAL: SS316L STAINLESS STEEL
  3. PANEL COLOR: RAL7032 (GRAY)
  4. PANEL WALL THICKNESS: 1.6mm
  5. PANEL WEIGHT: ~20kg
  6. PANEL WILL BE RIGHT HINGED
  7. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
  8. AMBIENT TEMPERATURE: 5°C/+48°C
  9. INGRESS PROTECTION: IP65
  10. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
  11. DIN RAIL TYPE: NS35
  12. SPARES WILL BE PLUGGED WITH SUS EX PLUG
  13. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS
  14. ALL DIMENSIONS IN mm.
  15. EXTERNAL EARTH BOLT AND RELATED PARTS ARE ALL COPPER.
  16. INDICATION LAMP VOLTAGE: 24VDC

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

### LEGEND

RESULT CODE:  AP  AN  CO  RE RESUBMISSION DATE:

NEXT STATUS:  IFI  IFA  JAF  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDOR JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       |       | RT    | RB    | SC  |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       |       | RT    | RB    | SC  |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       |       | RT    | RB    | SC  |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       |       | RT    | RB    | SC  |

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:



DRAWING TITLE:  
PANEL LAYOUT DRAWING  
LOCAL CONTROL PANEL 44LCP-8004051

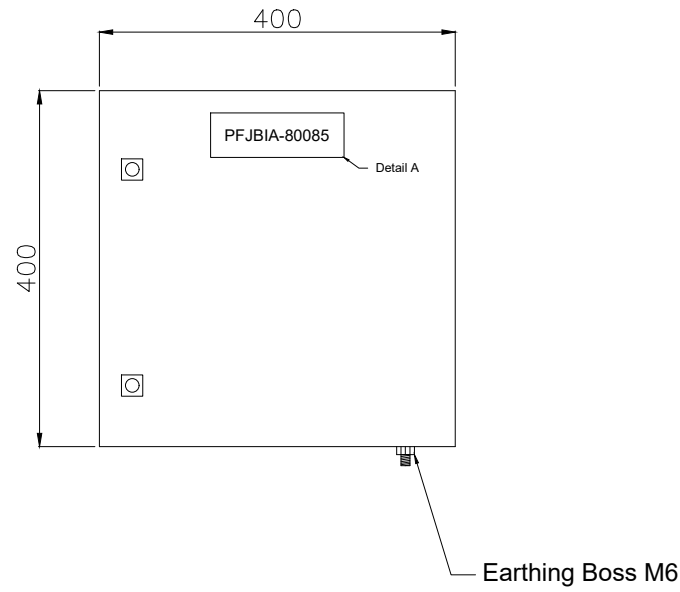
OWNER PROJECT NO. VENDOR DWG. MR NO. VENDOR CODE DISCIPLINE UNIT TYPE SEQ.

3944 VD 0171 DYP RE 400 DWG 0003

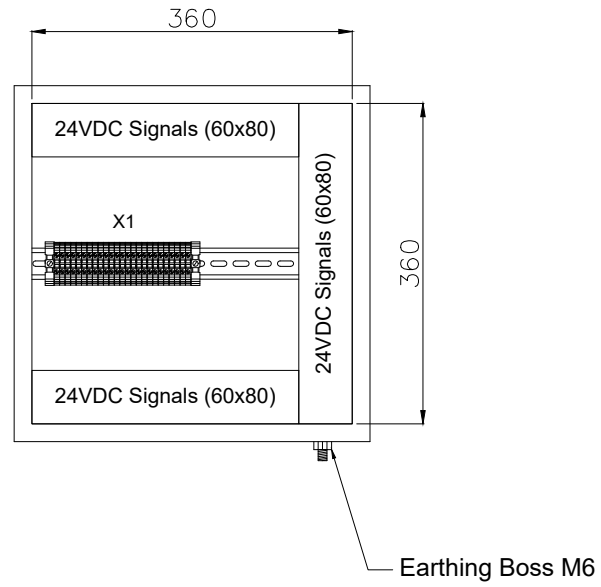
SCALE: NONE SIZE: A0 SHEET NO. 20 OF 34 REV. 03

# PFJBIA-80085

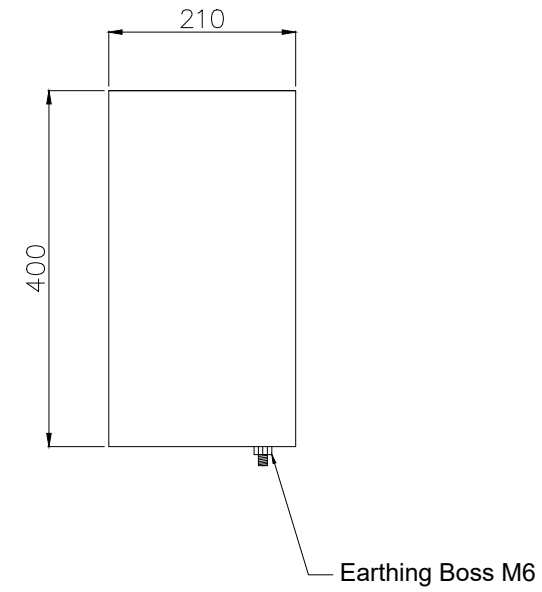
## Front Side (Outside) View



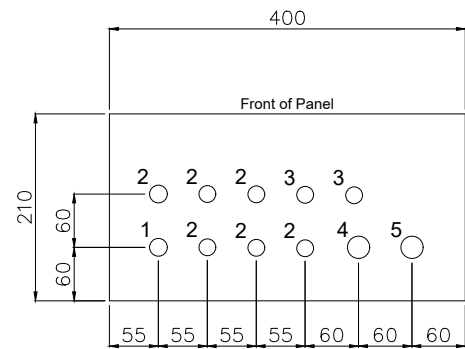
## Front Side (Inside) View



## Side (Outside) View



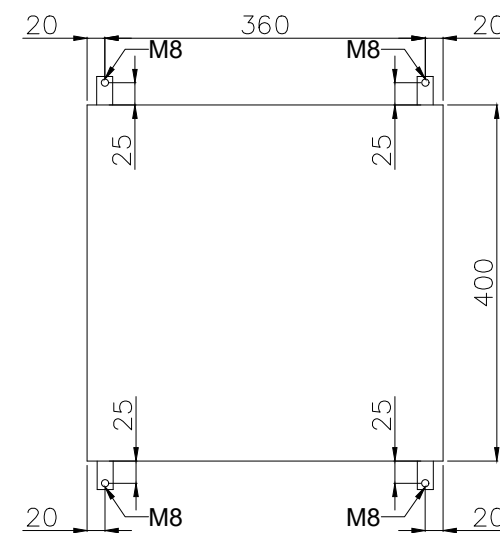
## Bottom View



## Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 6x (Cables from Transmitters)
3. M20 - 2x (Spare)
4. M25 - 1x (Multipair Cable from Customer)
5. M25 - 1x (Spare)

## Back (Outside) View Mounting Details



### GENERAL NOTES

- NOTES
1. PANEL DIMENSIONS: 400x400x210mm
  2. PANEL MATERIAL: SS316L STAINLESS STEEL
  3. PANEL COLOR: RAL7032 (GRAY)
  4. PANEL WALL THICKNESS: 1.6mm
  5. PANEL WEIGHT: ~15Kg
  6. PANEL WILL BE RIGHT HINGED
  7. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
  8. AMBIENT TEMPERATURE: 5°C/+48°C
  9. INGRESS PROTECTION: IP65
  10. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
  11. DIN RAIL TYPE: NS35
  12. SPARES WILL BE PLUGGED WITH SUS EX PLUG
  13. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS
  14. ALL DIMENSIONS IN mm.
  15. EXTERNAL EARTH BOLT AND RELATED PARTS ARE ALL COPPER.

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

### LEGEND

RESULT CODE:  AP  AN  CO  RE RESUBMISSION DATE:

NEXT STATUS:  IFI  IFA  JAF  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDRO JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR: SAZEH CONSULTANTS  
VENDOR: DYPNF

DRAWING TITLE:  
PANEL LAYOUT DRAWING  
LOCAL CONTROL PANEL PFJBIA-80085

| OWNER PROJECT NO. | VENDOR DWG. | MR NO.       | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
|-------------------|-------------|--------------|-------------|------------|------|------|------|
| 3944              | VD          | 0171         | DYP         | RE         | 400  | DWG  | 0003 |
| SCALE: NONE       | SIZE: A0    | SHEET NO. 21 | OF 34       | REV. 03    |      |      |      |

| No.                       | Description                     | Tag Number | Make            | Model   | Qty. |
|---------------------------|---------------------------------|------------|-----------------|---------|------|
| 1                         | Running Indication Lamp (Green) | 3H4        | TBD             | TBD     | 1    |
| 2                         | Fault Indication Lamp (Amber)   | 3H6        | TBD             | TBD     | 1    |
| 3                         | Start Pushbutton (Green)        | 2S4        | TBD             | TBD     | 1    |
| 4                         | Stop Pushbutton (Red)           | 2S6        | TBD             | TBD     | 1    |
| 5                         | Lamp Test Pushbutton (Black)    | 2S8        | TBD             | TBD     | 1    |
| Terminal Strip Definition |                                 |            |                 |         |      |
| X1                        | Connection Pushbuttons & Lamps  | X1         | Phoenix Contact | 3211760 | 21   |

GENERAL NOTES

NOTES  
1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM.

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

LEGEND

RESULT CODE:  AP  AN  CO  RE

NEXT STATUS:  IFI  IFA  AFC  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:  
M.R. NO.:  
ITEM NO. (EQUIPMENT NO.):  
VENDRO JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |

OWNER:  


PROJECT:  
300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:  
 

CONTRACTOR:  
 

VENDOR:  

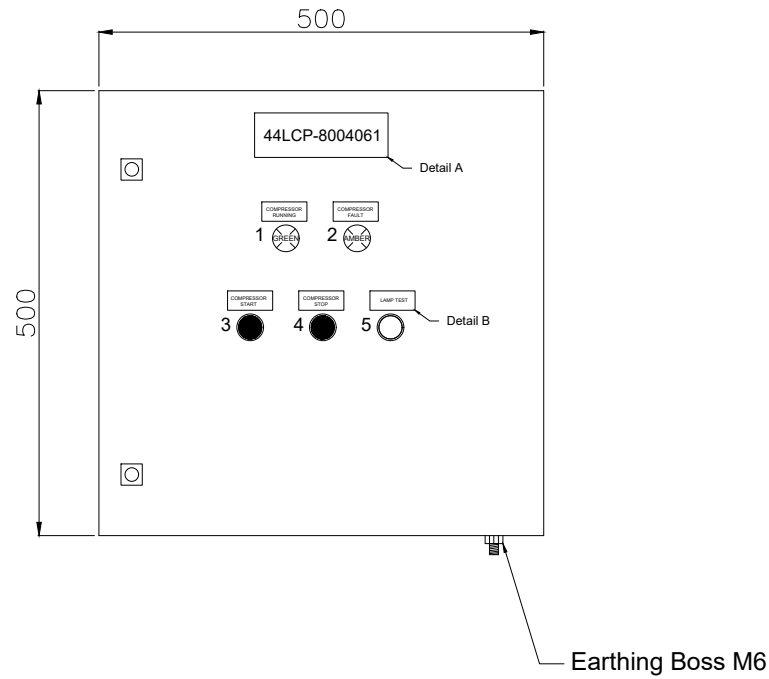

DRAWING TITLE:  
PANEL LAYOUT DRAWING  
BILL OF MATERIALS FOR  
LOCAL CONTROL PANEL 44LCP-8004061

| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
|-------------------|-------------|--------|-------------|------------|------|------|------|
| 3944              | VD          | 0171   | DYP         | RE         | 400  | DWG  | 0003 |

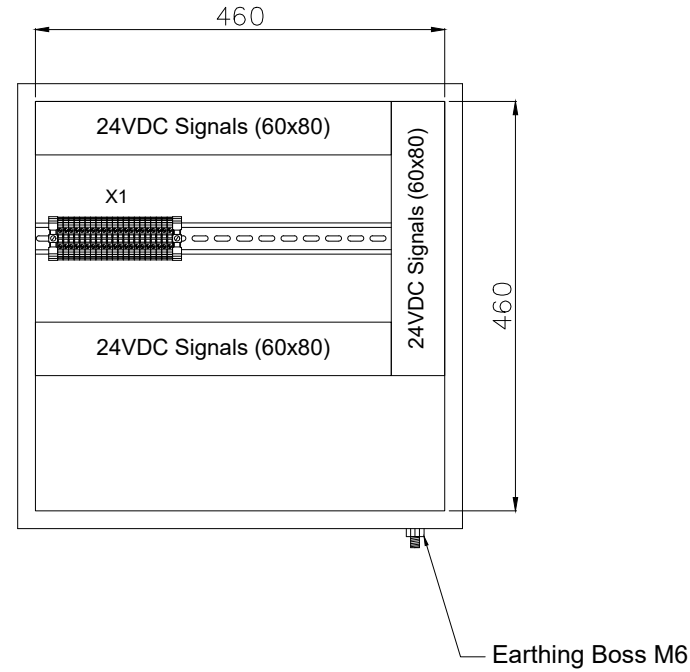
SCALE: NONE SIZE: A0 SHEET NO. 22 OF 34 REV. 03

# 44LCP-8004061

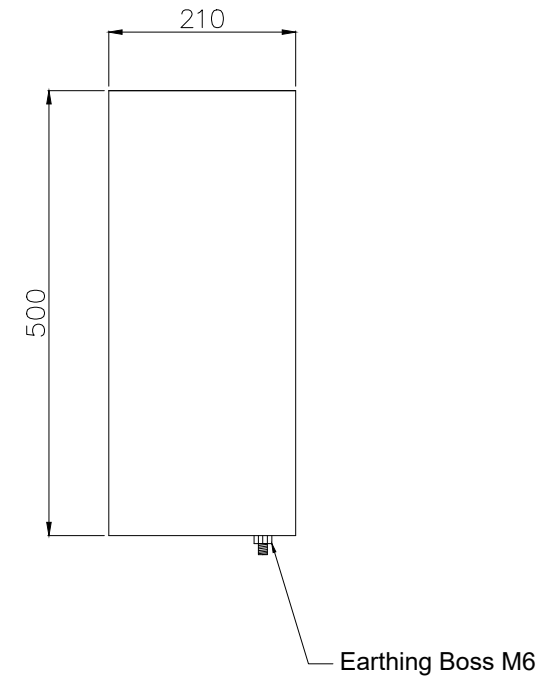
## Front Side (Outside) View



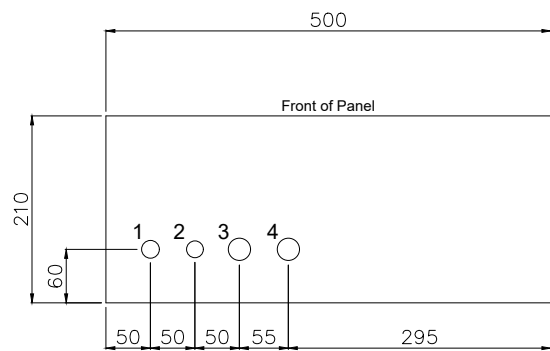
## Front Side (Inside) View



## Side (Outside) View



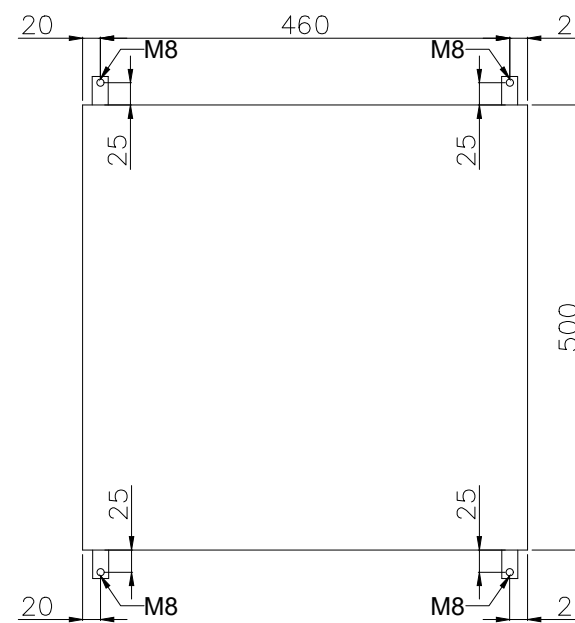
## Bottom View



## Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for Pushbuttons & Lamps)
4. M25 - 1x (Spare)

## Back (Outside) View Mounting Details



### GENERAL NOTES

- NOTES
1. PANEL DIMENSIONS: 500x500x210mm
  2. PANEL MATERIAL: SS316L STAINLESS STEEL
  3. PANEL COLOR: RAL7032 (GRAY)
  4. PANEL WALL THICKNESS: 1.6mm
  5. PANEL WEIGHT: ~20kg
  6. PANEL WILL BE RIGHT HINGED
  7. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
  8. AMBIENT TEMPERATURE: 5°C/+48°C
  9. INGRESS PROTECTION: IP65
  10. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
  11. DIN RAIL TYPE: NS35
  12. SPARES WILL BE PLUGGED WITH SUS Ex PLUG
  13. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS
  14. ALL DIMENSIONS IN mm.
  15. EXTERNAL EARTH BOLT AND RELATED PARTS ARE ALL COPPER.
  16. INDICATION LAMP VOLTAGE: 24VDC

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

### LEGEND

RESULT CODE:  AP  AN  CO  RE RESUBMISSION DATE:

NEXT STATUS:  IFI  IFA  JAF  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDOR JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |

OWNER:



PROJECT:  
300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:

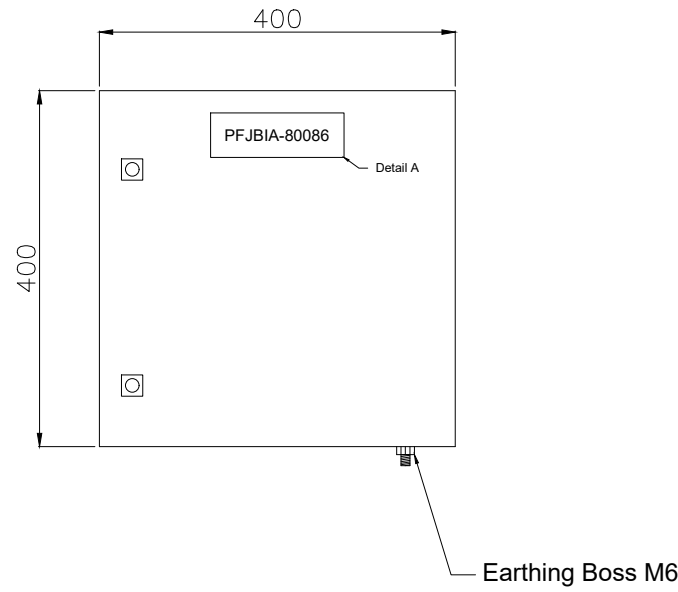
CONTRACTOR:

DRAWING TITLE:  
PANEL LAYOUT DRAWING  
LOCAL CONTROL PANEL 44LCP-8004061

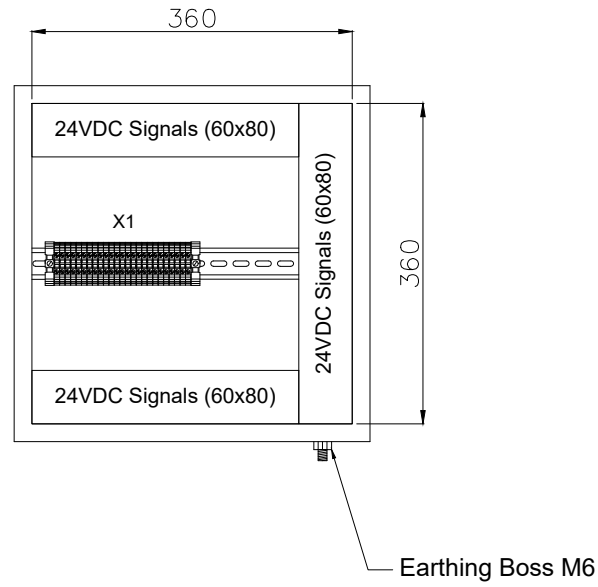
| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE  | SEQ. |    |
|-------------------|-------------|--------|-------------|------------|------|-------|------|----|
| 3944              | VD          | 0171   | DYP         | RE         | 400  | DWG   | 0003 |    |
| SCALE:            | NONE        | SIZE:  | A0          | SHEET NO.  | 23   | OF 34 | REV. | 03 |

# PFJBIA-80086

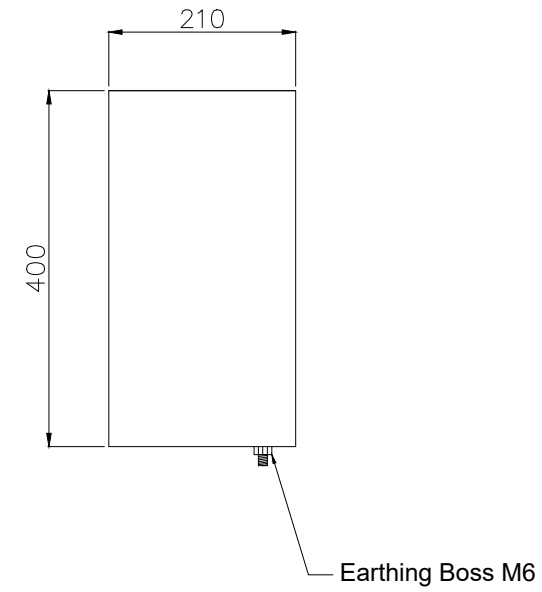
## Front Side (Outside) View



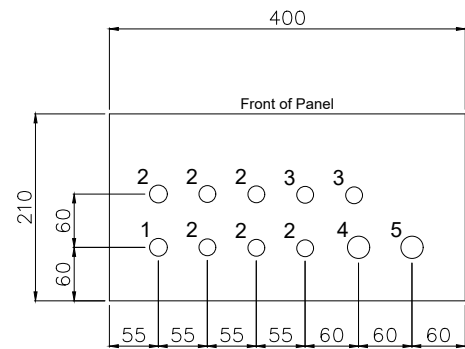
## Front Side (Inside) View



## Side (Outside) View



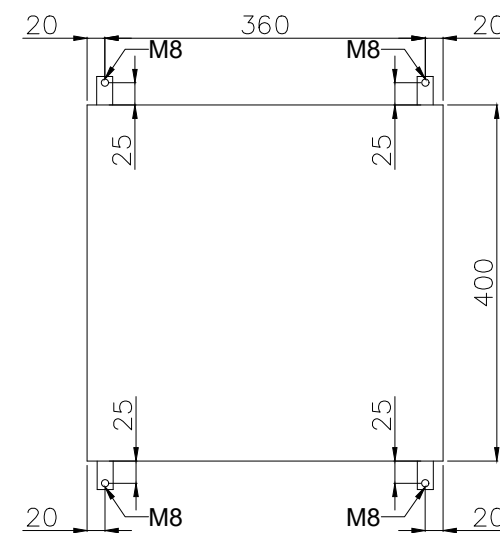
## Bottom View



## Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 6x (Cables from Transmitters)
3. M20 - 2x (Spare)
4. M25 - 1x (Multipair Cable from Customer)
5. M25 - 1x (Spare)

## Back (Outside) View Mounting Details



### GENERAL NOTES

- NOTES
1. PANEL DIMENSIONS: 400x400x210mm
  2. PANEL MATERIAL: SS316L STAINLESS STEEL
  3. PANEL COLOR: RAL7032 (GRAY)
  4. PANEL WALL THICKNESS: 1.6mm
  5. PANEL WEIGHT: ~15Kg
  6. PANEL WILL BE RIGHT HINGED
  7. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
  8. AMBIENT TEMPERATURE: 5°C/+48°C
  9. INGRESS PROTECTION: IP65
  10. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
  11. DIN RAIL TYPE: NS35
  12. SPARES WILL BE PLUGGED WITH SUS EX PLUG
  13. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS
  14. ALL DIMENSIONS IN mm.
  15. EXTERNAL EARTH BOLT AND RELATED PARTS ARE ALL COPPER.

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

### LEGEND

RESULT CODE:  AP  AN  CO  RE RESUBMISSION DATE:

NEXT STATUS:  IFI  IFA  JAF  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDRO JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:



DRAWING TITLE:  
PANEL LAYOUT DRAWING  
LOCAL CONTROL PANEL PFJBIA-80086

| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE  | SEQ.    |
|-------------------|-------------|--------|-------------|------------|------|-------|---------|
| 3944              | VD          | 0171   | DYP         | RE         | 400  | DWG   | 0003    |
| SCALE:            | NONE        | SIZE:  | A0          | SHEET NO.  | 24   | OF 34 | REV. 03 |

| No.                       | Description                     | Tag Number | Make            | Model   | Qty. |
|---------------------------|---------------------------------|------------|-----------------|---------|------|
| 1                         | Running Indication Lamp (Green) | 3H4        | TBD             | TBD     | 1    |
| 2                         | Fault Indication Lamp (Amber)   | 3H6        | TBD             | TBD     | 1    |
| 3                         | Start Pushbutton (Green)        | 2S4        | TBD             | TBD     | 1    |
| 4                         | Stop Pushbutton (Red)           | 2S6        | TBD             | TBD     | 1    |
| 5                         | Lamp Test Pushbutton (Black)    | 2S8        | TBD             | TBD     | 1    |
| Terminal Strip Definition |                                 |            |                 |         |      |
| X1                        | Connection Pushbuttons & Lamps  | X1         | Phoenix Contact | 3211760 | 21   |

GENERAL NOTES

NOTES  
1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM.

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

LEGEND

RESULT CODE:  AP  AN  CO  RE

NEXT STATUS:  IFI  IFA  AFC  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:  
M.R. NO.:  
ITEM NO. (EQUIPMENT NO.):  
VENDRO JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |

OWNER:  


PROJECT:  
300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:  
 

CONTRACTOR:  
 

VENDOR:  

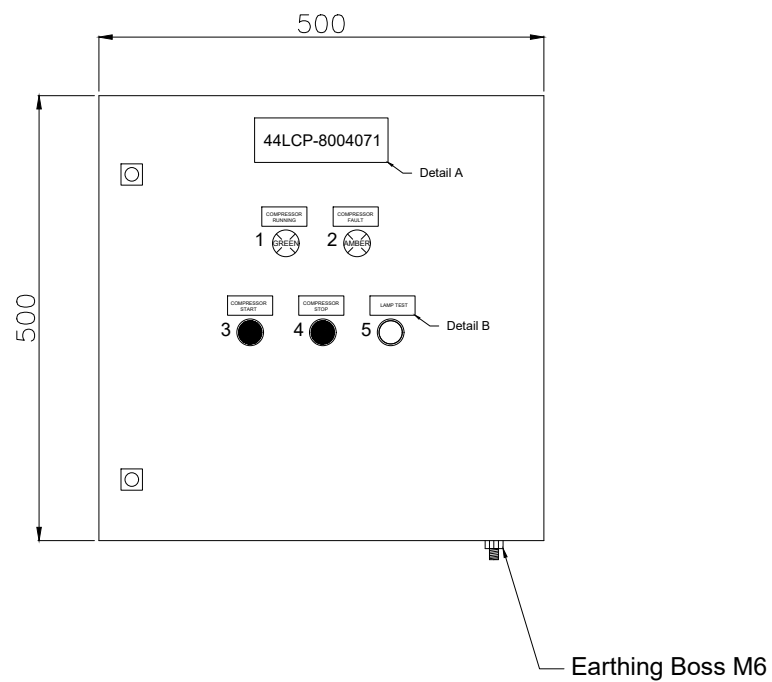

DRAWING TITLE:  
PANEL LAYOUT DRAWING  
BILL OF MATERIALS FOR  
LOCAL CONTROL PANEL 44LCP-8004071

| OWNER | PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
|-------|-------------|-------------|--------|-------------|------------|------|------|------|
| 3944  | VD          | 0171        | DYP    | RE          | 400        | DWG  | 0003 |      |

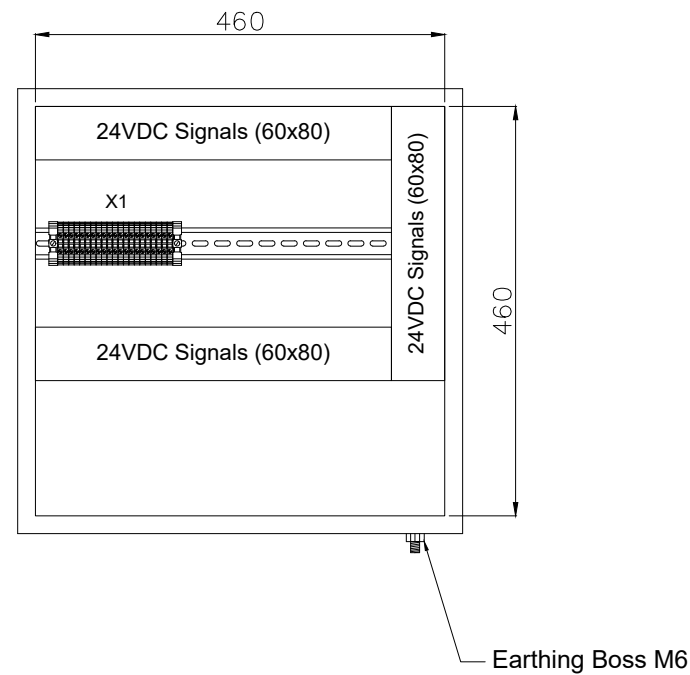
SCALE: NONE SIZE: A0 SHEET NO. 25 OF 34 REV. 03

# 44LCP-8004071

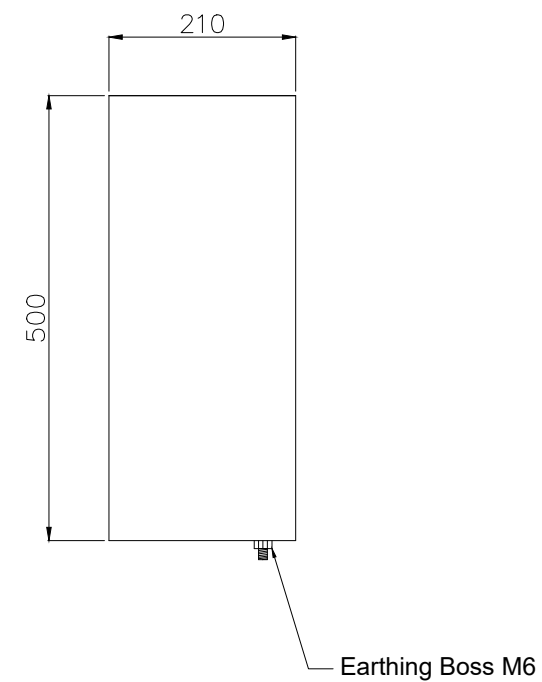
## Front Side (Outside) View



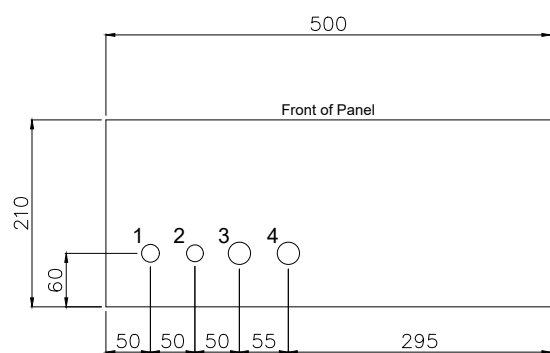
## Front Side (Inside) View



## Side (Outside) View



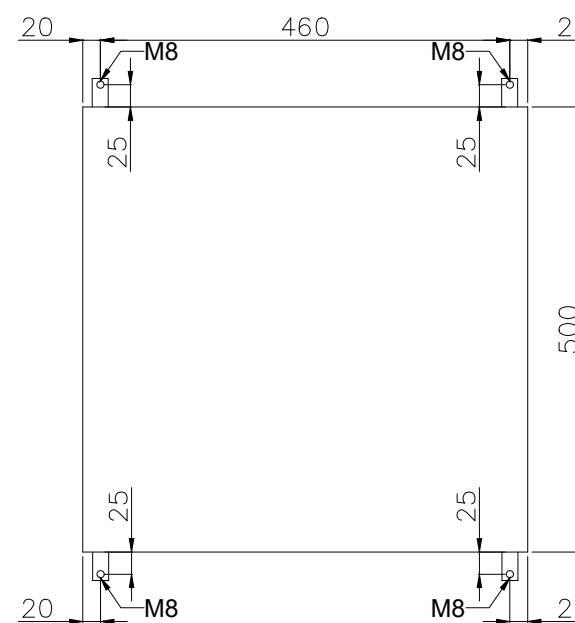
## Bottom View



## Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for Pushbuttons & Lamps)
4. M25 - 1x (Spare)

## Back (Outside) View Mounting Details



### GENERAL NOTES

- NOTES
1. PANEL DIMENSIONS: 500x500x210mm
  2. PANEL MATERIAL: SS316L STAINLESS STEEL
  3. PANEL COLOR: RAL7032 (GRAY)
  4. PANEL WALL THICKNESS: 1.6mm
  5. PANEL WEIGHT: ~20kg
  6. PANEL WILL BE RIGHT HINGED
  7. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
  8. AMBIENT TEMPERATURE: 5°C/+48°C
  9. INGRESS PROTECTION: IP65
  10. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
  11. DIN RAIL TYPE: NS35
  12. SPARES WILL BE PLUGGED WITH SUS Ex PLUG
  13. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS
  14. ALL DIMENSIONS IN mm.
  15. EXTERNAL EARTH BOLT AND RELATED PARTS ARE ALL COPPER.
  16. INDICATION LAMP VOLTAGE: 24VDC

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

### LEGEND

RESULT CODE:  AP  AN  CO  RE RESUBMISSION DATE:

NEXT STATUS:  IFI  IFA  AFC  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDOR JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       |       | RT    | RB    | SC  |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       |       | RT    | RB    | SC  |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       |       | RT    | RB    | SC  |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       |       | RT    | RB    | SC  |

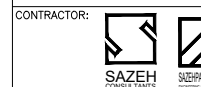
OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



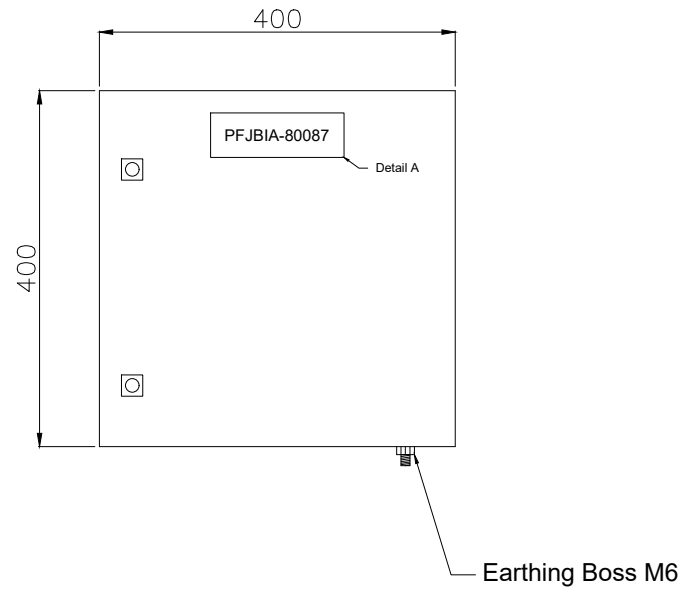
DRAWING TITLE:

PANEL LAYOUT DRAWING  
LOCAL CONTROL PANEL 44LCP-8004071

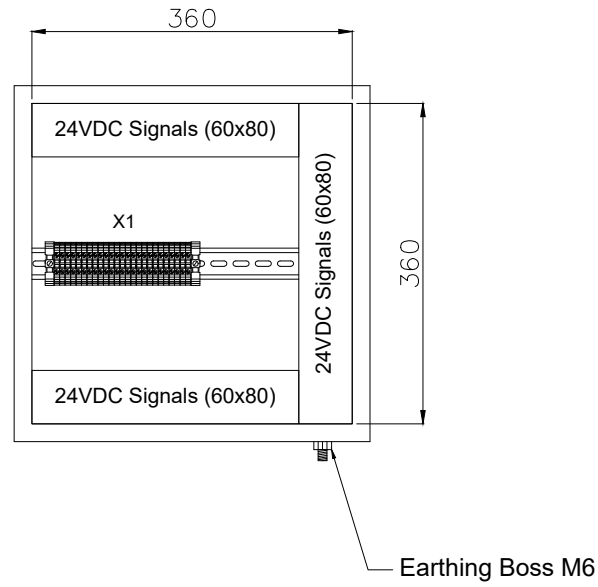
| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE  | SEQ. |    |
|-------------------|-------------|--------|-------------|------------|------|-------|------|----|
| 3944              | VD          | 0171   | DYP         | RE         | 400  | DWG   | 0003 |    |
| SCALE:            | NONE        | SIZE:  | A0          | SHEET NO.  | 26   | OF 34 | REV. | 03 |

# PFJBIA-80087

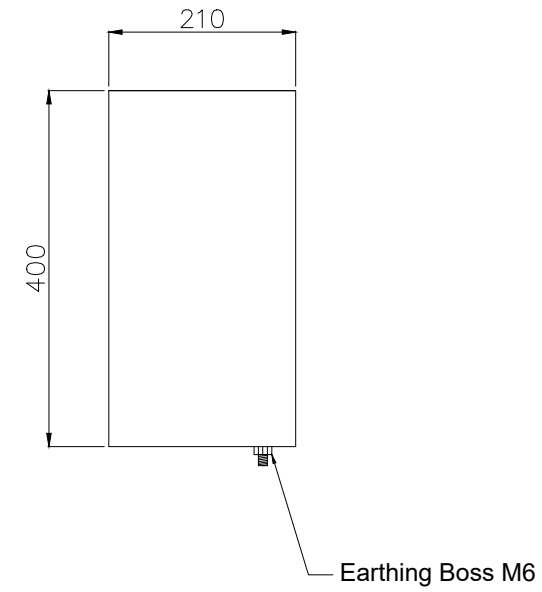
## Front Side (Outside) View



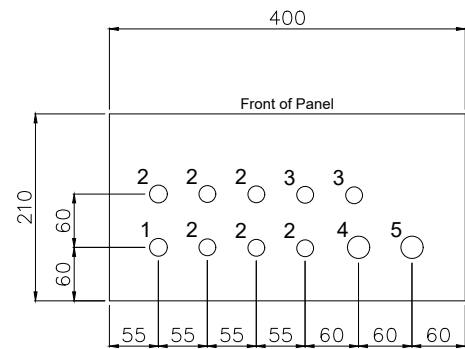
## Front Side (Inside) View



## Side (Outside) View



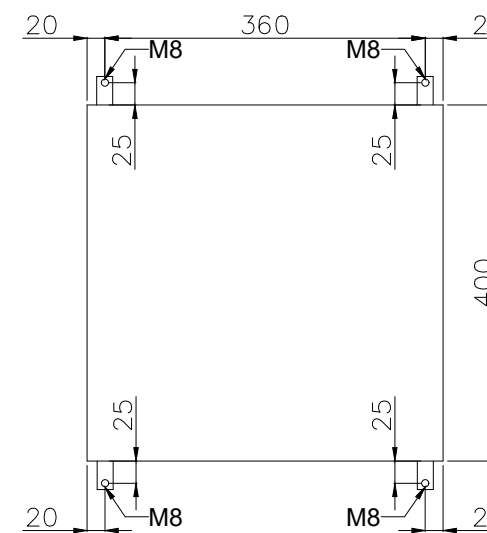
## Bottom View



## Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 6x (Cables from Transmitters)
3. M20 - 2x (Spare)
4. M25 - 1x (Multipair Cable from Customer)
5. M25 - 1x (Spare)

## Back (Outside) View Mounting Details



### GENERAL NOTES

- NOTES
1. PANEL DIMENSIONS: 400x400x210mm
  2. PANEL MATERIAL: SS316L STAINLESS STEEL
  3. PANEL COLOR: RAL7032 (GRAY)
  4. PANEL WALL THICKNESS: 1.6mm
  5. PANEL WEIGHT: ~15Kg
  6. PANEL WILL BE RIGHT HINGED
  7. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
  8. AMBIENT TEMPERATURE: 5°C/+48°C
  9. INGRESS PROTECTION: IP65
  10. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
  11. DIN RAIL TYPE: NS35
  12. SPARES WILL BE PLUGGED WITH SUS EX PLUG
  13. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS
  14. ALL DIMENSIONS IN mm.
  15. EXTERNAL EARTH BOLT AND RELATED PARTS ARE ALL COPPER.

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

### LEGEND

RESULT CODE:  AP  AN  CO  RE RESUBMISSION DATE:

NEXT STATUS:  IFI  IFA  JAF  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDRO JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:



DRAWING TITLE:  
PANEL LAYOUT DRAWING  
LOCAL CONTROL PANEL PFJBIA-80087

| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE  | SEQ.    |
|-------------------|-------------|--------|-------------|------------|------|-------|---------|
| 3944              | VD          | 0171   | DYP         | RE         | 400  | DWG   | 0003    |
| SCALE:            | NONE        | SIZE:  | A0          | SHEET NO.  | 27   | OF 34 | REV. 03 |

| No.                       | Description                     | Tag Number | Make            | Model   | Qty. |
|---------------------------|---------------------------------|------------|-----------------|---------|------|
| 1                         | Running Indication Lamp (Green) | 3H4        | TBD             | TBD     | 1    |
| 2                         | Fault Indication Lamp (Amber)   | 3H6        | TBD             | TBD     | 1    |
| 3                         | Start Pushbutton (Green)        | 2S4        | TBD             | TBD     | 1    |
| 4                         | Stop Pushbutton (Red)           | 2S6        | TBD             | TBD     | 1    |
| 5                         | Lamp Test Pushbutton (Black)    | 2S8        | TBD             | TBD     | 1    |
| Terminal Strip Definition |                                 |            |                 |         |      |
| X1                        | Connection Pushbuttons & Lamps  | X1         | Phoenix Contact | 3211760 | 21   |

GENERAL NOTES

NOTES  
1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM.

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

LEGEND

RESULT CODE:  AP  AN  CO  RE

NEXT STATUS:  IFI  IFA  AFC  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:  
M.R. NO.:  
ITEM NO. (EQUIPMENT NO.):  
VENDRO JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |

OWNER:  


PROJECT:  
300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:  
 

CONTRACTOR:  
 

VENDOR:  


DRAWING TITLE:  
PANEL LAYOUT DRAWING  
BILL OF MATERIALS FOR  
LOCAL CONTROL PANEL 44LCP-8004081

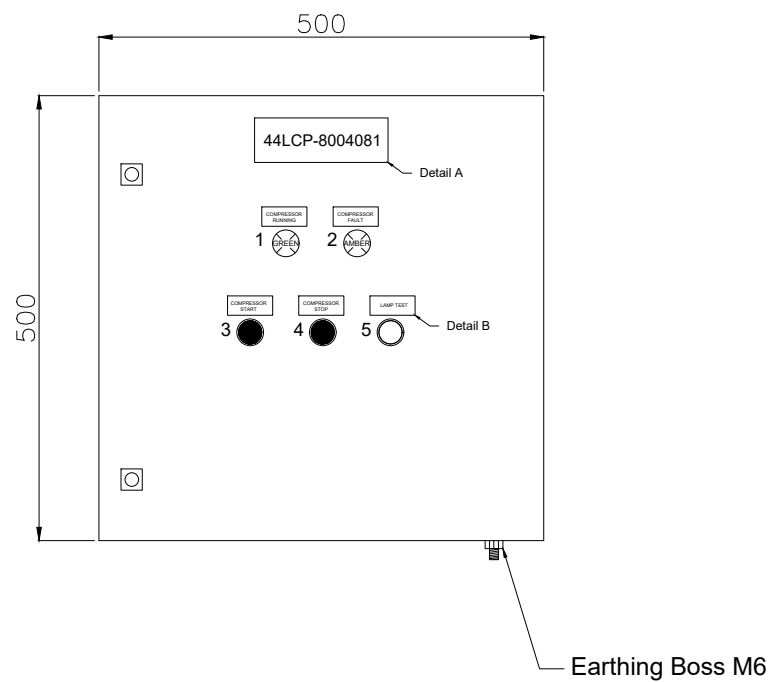
OWNER DOC. NO.

| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
|-------------------|-------------|--------|-------------|------------|------|------|------|
| 3944              | VD          | 0171   | DYP         | RE         | 400  | DWG  | 0003 |

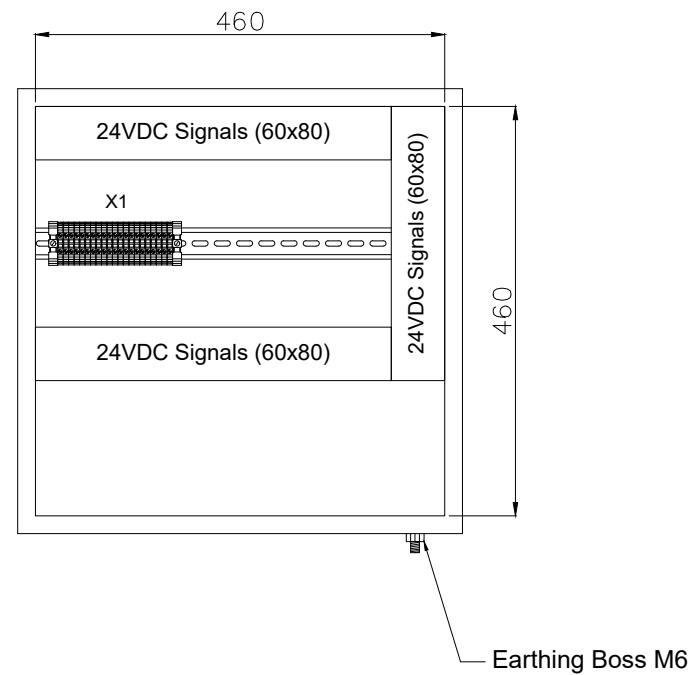
SCALE: NONE SIZE: A0 SHEET NO. 28 OF 34 REV. 03

# 44LCP-8004081

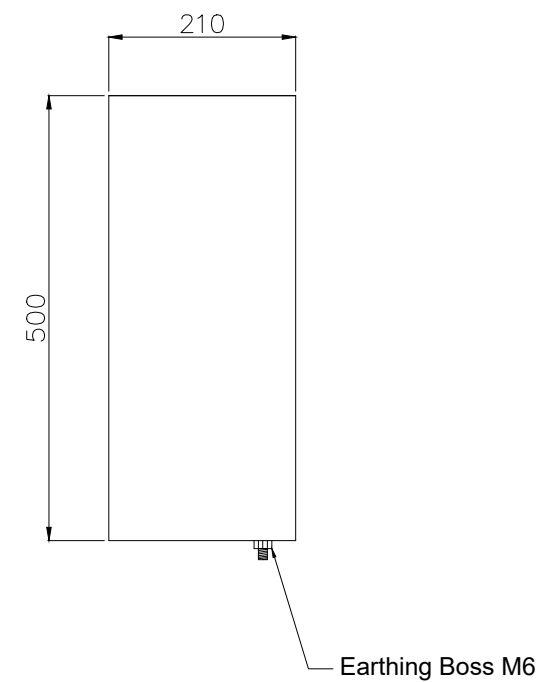
## Front Side (Outside) View



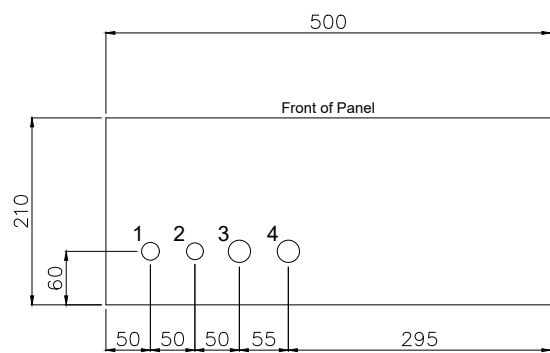
## Front Side (Inside) View



## Side (Outside) View



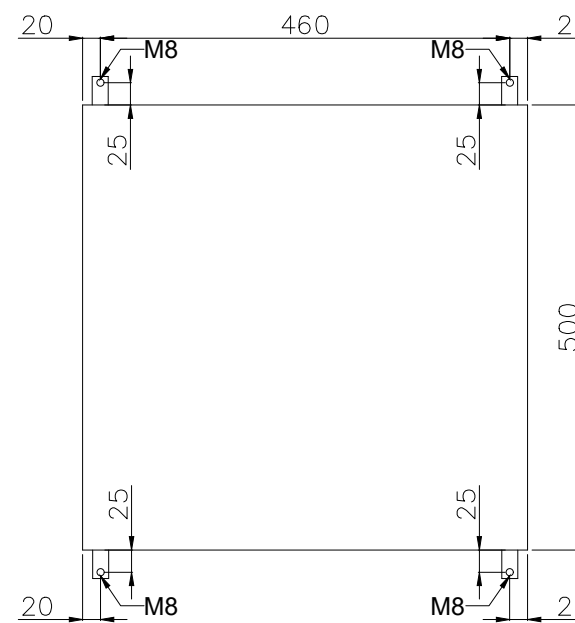
## Bottom View



## Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for Pushbuttons & Lamps)
4. M25 - 1x (Spare)

## Back (Outside) View Mounting Details



### GENERAL NOTES

- NOTES
1. PANEL DIMENSIONS: 500x500x210mm
  2. PANEL MATERIAL: SS316L STAINLESS STEEL
  3. PANEL COLOR: RAL7032 (GRAY)
  4. PANEL WALL THICKNESS: 1.6mm
  5. PANEL WEIGHT: ~20kg
  6. PANEL WILL BE RIGHT HINGED
  7. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
  8. AMBIENT TEMPERATURE: 5°C/+48°C
  9. INGRESS PROTECTION: IP65
  10. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
  11. DIN RAIL TYPE: NS35
  12. SPARES WILL BE PLUGGED WITH SUS EX PLUG
  13. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS
  14. ALL DIMENSIONS IN mm.
  15. EXTERNAL EARTH BOLT AND RELATED PARTS ARE ALL COPPER.
  16. INDICATION LAMP VOLTAGE: 24VDC

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

### LEGEND

RESULT CODE:  AP  AN  CO  RE RESUBMISSION DATE:

NEXT STATUS:  IFI  IFA  JAF  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDOR JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



DRAWING TITLE:

PANEL LAYOUT DRAWING  
LOCAL CONTROL PANEL 44LCP-8004081

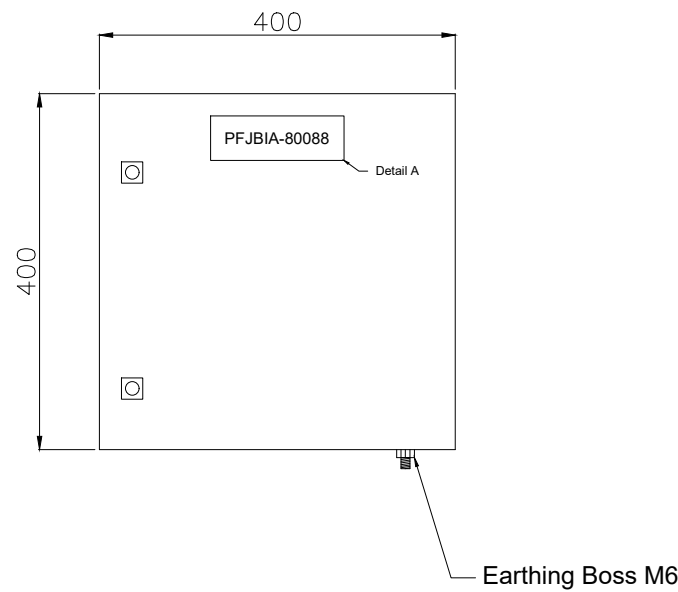
OWNER PROJECT NO. VENDOR DWG. MR NO. VENDOR CODE DISCIPLINE UNIT TYPE SEQ.

3944 VD 0171 DYP RE 400 DWG 0003

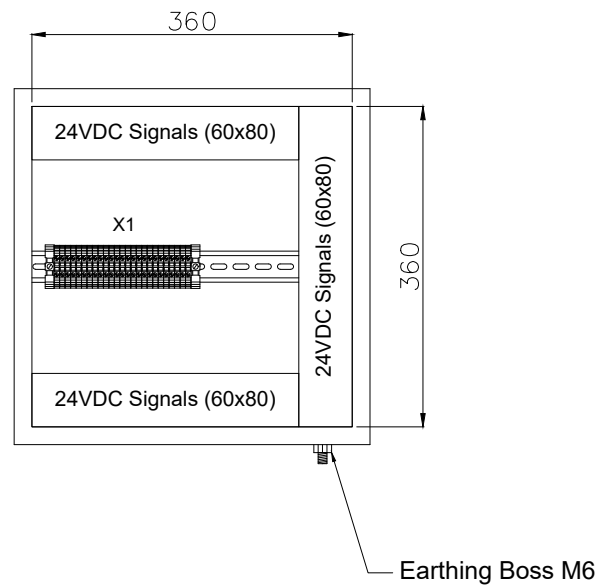
SCALE: NONE SIZE: A0 SHEET NO. 29 OF 34 REV. 03

# PFJBIA-80088

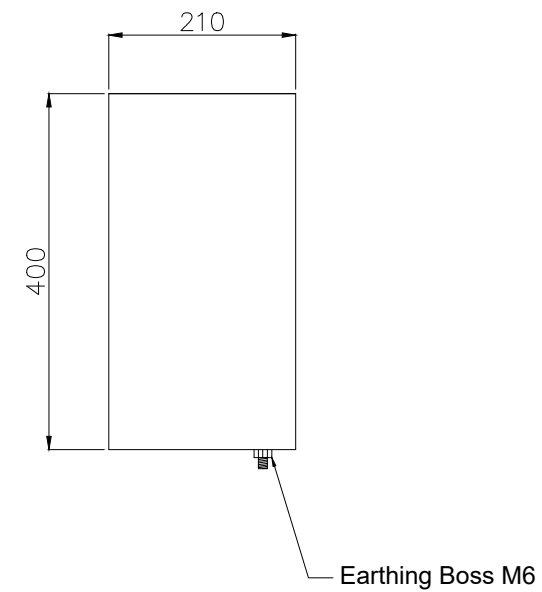
## Front Side (Outside) View



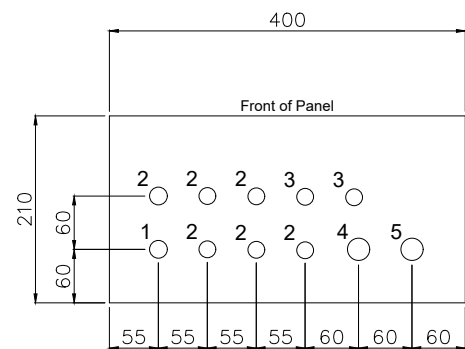
## Front Side (Inside) View



## Side (Outside) View



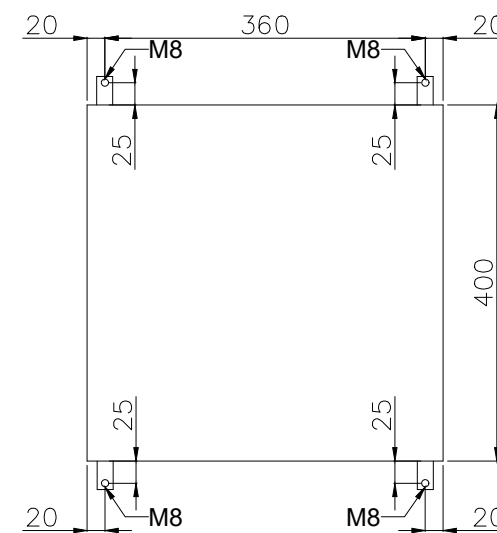
## Bottom View



## Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 6x (Cables from Transmitters)
3. M20 - 2x (Spare)
4. M25 - 1x (Multipair Cable from Customer)
5. M25 - 1x (Spare)

## Back (Outside) View Mounting Details



### GENERAL NOTES

- NOTES
1. PANEL DIMENSIONS: 400x400x210mm
  2. PANEL MATERIAL: SS316L STAINLESS STEEL
  3. PANEL COLOR: RAL7032 (GRAY)
  4. PANEL WALL THICKNESS: 1.6mm
  5. PANEL WEIGHT: ~15Kg
  6. PANEL WILL BE RIGHT HINGED
  7. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
  8. AMBIENT TEMPERATURE: 5°C/+48°C
  9. INGRESS PROTECTION: IP65
  10. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
  11. DIN RAIL TYPE: NS35
  12. SPARES WILL BE PLUGGED WITH SUS EX PLUG
  13. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS
  14. ALL DIMENSIONS IN mm.
  15. EXTERNAL EARTH BOLT AND RELATED PARTS ARE ALL COPPER.

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

### LEGEND

RESULT CODE:  AP  AN  CO  RE RESUBMISSION DATE:

NEXT STATUS:  IFI  IFA  JAF  ASB/IFIN

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P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDRO JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:



DRAWING TITLE:  
PANEL LAYOUT DRAWING  
LOCAL CONTROL PANEL PFJBIA-80088

| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE  | SEQ.    |
|-------------------|-------------|--------|-------------|------------|------|-------|---------|
| 3944              | VD          | 0171   | DYP         | RE         | 400  | DWG   | 0003    |
| SCALE:            | NONE        | SIZE:  | A0          | SHEET NO.  | 30   | OF 34 | REV. 03 |

| No.                       | Description                     | Tag Number | Make            | Model   | Qty. |
|---------------------------|---------------------------------|------------|-----------------|---------|------|
| 1                         | Running Indication Lamp (Green) | 3H4        | TBD             | TBD     | 1    |
| 2                         | Fault Indication Lamp (Amber)   | 3H6        | TBD             | TBD     | 1    |
| 3                         | Start Pushbutton (Green)        | 2S4        | TBD             | TBD     | 1    |
| 4                         | Stop Pushbutton (Red)           | 2S6        | TBD             | TBD     | 1    |
| 5                         | Lamp Test Pushbutton (Black)    | 2S8        | TBD             | TBD     | 1    |
| Terminal Strip Definition |                                 |            |                 |         |      |
| X1                        | Connection Pushbuttons & Lamps  | X1         | Phoenix Contact | 3211760 | 21   |

GENERAL NOTES

NOTES  
1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM.

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

LEGEND

RESULT CODE:  AP  AN  CO  RE

NEXT STATUS:  IFI  IFA  AFC  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:  
M.R. NO.:  
ITEM NO. (EQUIPMENT NO.):  
VENDRO JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |

OWNER:  


PROJECT:  
300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:  
 

CONTRACTOR:  
 

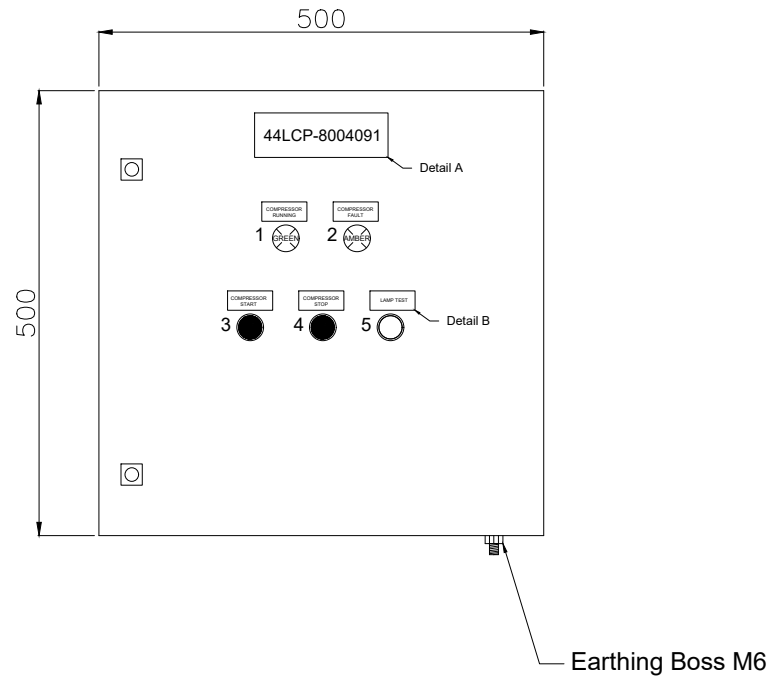
VENDOR:  


DRAWING TITLE:  
PANEL LAYOUT DRAWING  
BILL OF MATERIALS FOR  
LOCAL CONTROL PANEL 44LCP-8004091

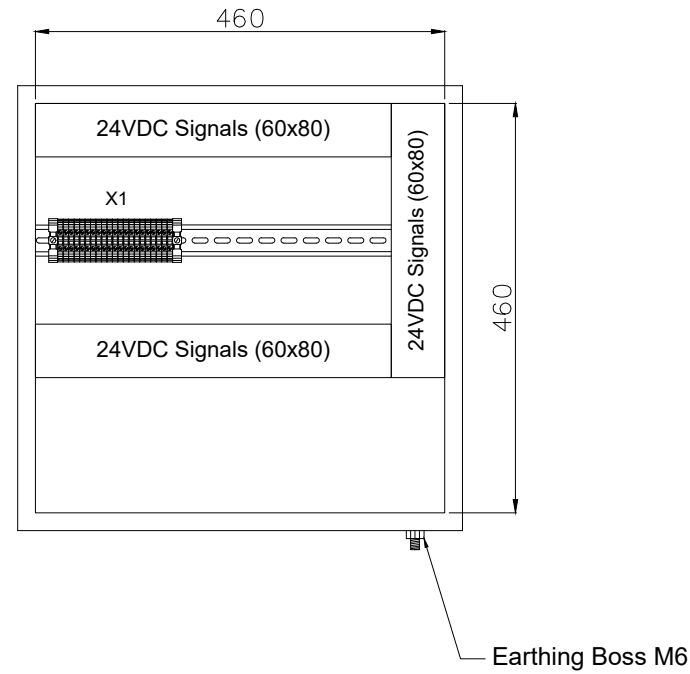
| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT     | TYPE | SEQ. |
|-------------------|-------------|--------|-------------|------------|----------|------|------|
| 3944              | VD          | 0171   | DYP         | RE         | 400      | DWG  | 0003 |
| SCALE:            | NONE        | SIZE:  | A0          | SHEET NO.  | 31 OF 34 | REV. | 03   |

# 44LCP-8004091

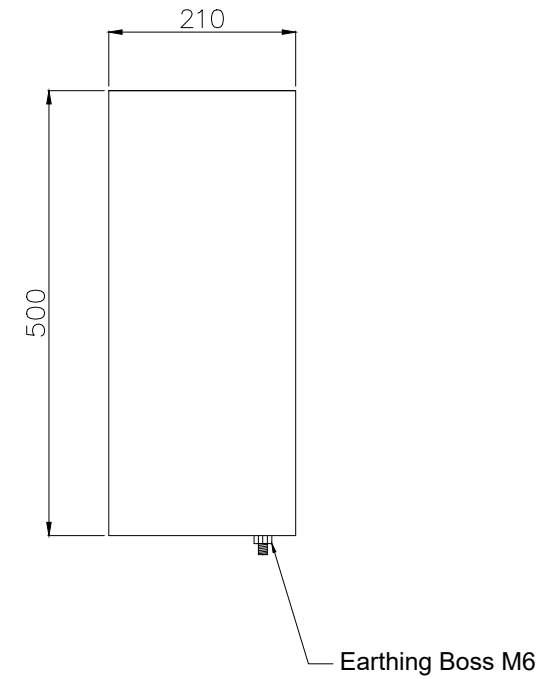
## Front Side (Outside) View



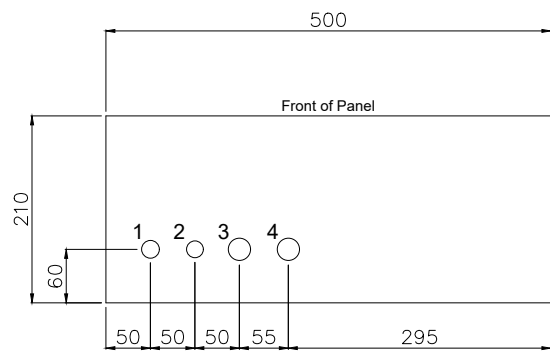
## Front Side (Inside) View



## Side (Outside) View



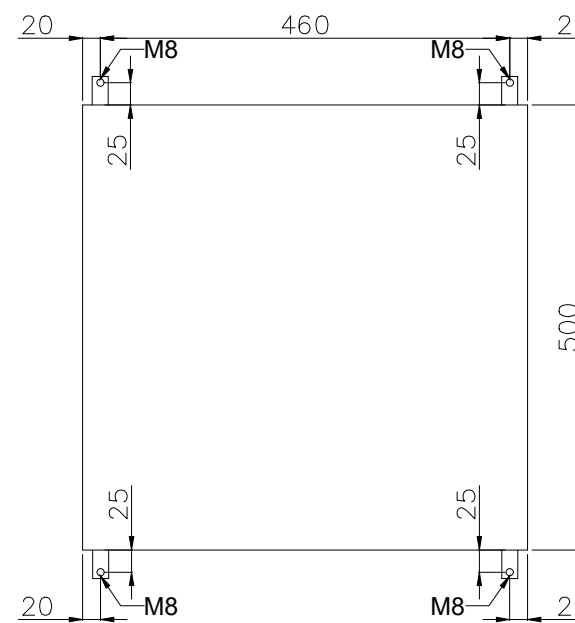
## Bottom View



## Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for Pushbuttons & Lamps)
4. M25 - 1x (Spare)

## Back (Outside) View Mounting Details



### GENERAL NOTES

- NOTES
1. PANEL DIMENSIONS: 500x500x210mm
  2. PANEL MATERIAL: SS316L STAINLESS STEEL
  3. PANEL COLOR: RAL7032 (GRAY)
  4. PANEL WALL THICKNESS: 1.6mm
  5. PANEL WEIGHT: ~20kg
  6. PANEL WILL BE RIGHT HINGED
  7. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
  8. AMBIENT TEMPERATURE: 5°C/+48°C
  9. INGRESS PROTECTION: IP65
  10. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
  11. DIN RAIL TYPE: NS35
  12. SPARES WILL BE PLUGGED WITH SUS EX PLUG
  13. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS
  14. ALL DIMENSIONS IN mm.
  15. EXTERNAL EARTH BOLT AND RELATED PARTS ARE ALL COPPER.
  16. INDICATION LAMP VOLTAGE: 24VDC

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

### LEGEND

RESULT CODE:  AP  AN  CO  RE RESUBMISSION DATE:

NEXT STATUS:  IFI  IFA  JFC  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDOR JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       |       | RT    | RB    | SC  |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       |       | RT    | RB    | SC  |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       |       | RT    | RB    | SC  |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       |       | RT    | RB    | SC  |

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



DRAWING TITLE:

PANEL LAYOUT DRAWING  
LOCAL CONTROL PANEL 44LCP-8004091

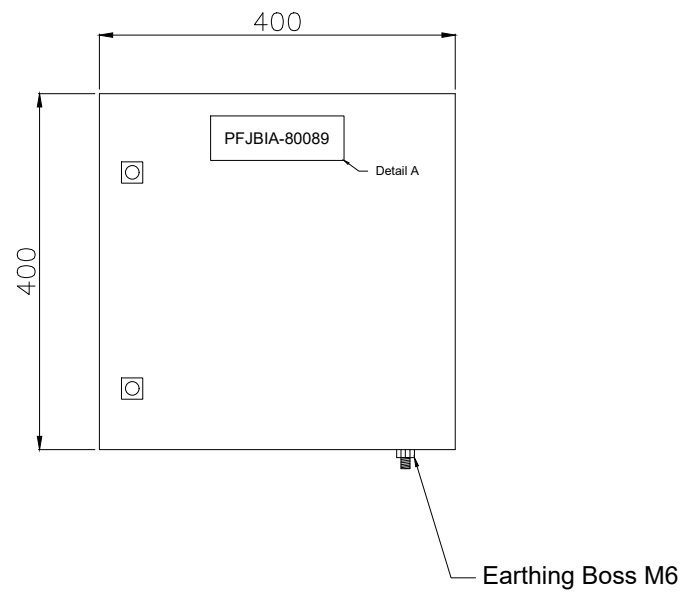
OWNER PROJECT NO. VENDOR DWG. MR NO. VENDOR CODE DISCIPLINE UNIT TYPE SEQ.

3944 VD 0171 DYP RE 400 DWG 0003

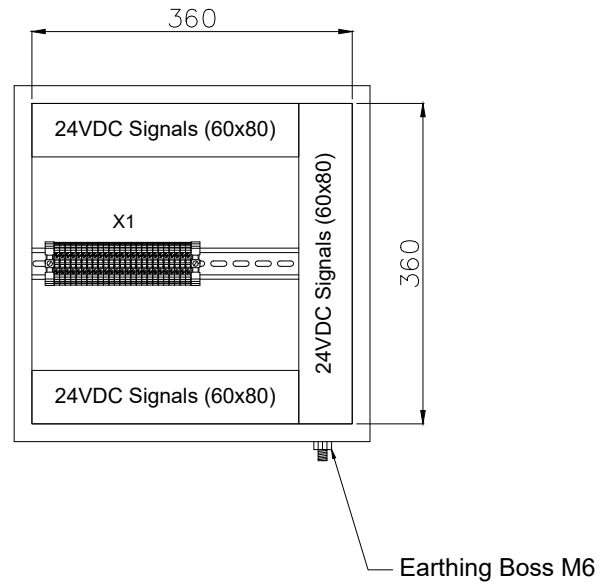
SCALE: NONE SIZE: A0 SHEET NO. 32 OF 34 REV. 03

# PFJBIA-80089

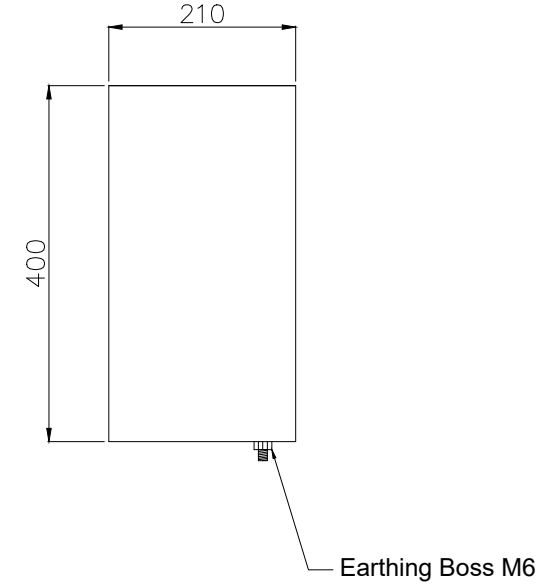
## Front Side (Outside) View



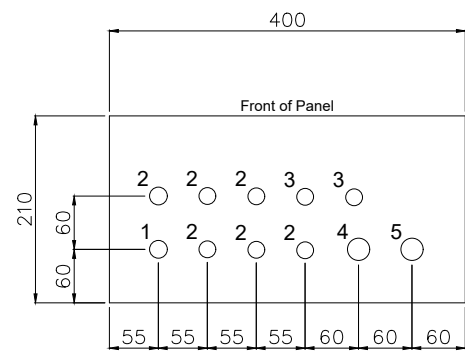
## Front Side (Inside) View



## Side (Outside) View



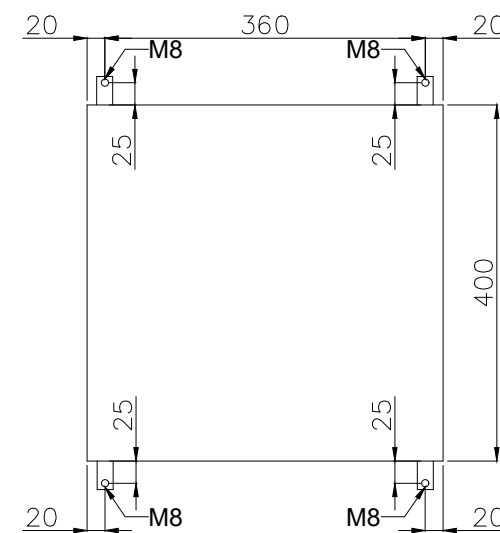
## Bottom View



## Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 6x (Cables from Transmitters)
3. M20 - 2x (Spare)
4. M25 - 1x (Multipair Cable from Customer)
5. M25 - 1x (Spare)

## Back (Outside) View Mounting Details



### GENERAL NOTES

- NOTES
1. PANEL DIMENSIONS: 400x400x210mm
  2. PANEL MATERIAL: SS316L STAINLESS STEEL
  3. PANEL COLOR: RAL7032 (GRAY)
  4. PANEL WALL THICKNESS: 1.6mm
  5. PANEL WEIGHT: ~15Kg
  6. PANEL WILL BE RIGHT HINGED
  7. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
  8. AMBIENT TEMPERATURE: 5°C/+48°C
  9. INGRESS PROTECTION: IP65
  10. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
  11. DIN RAIL TYPE: NS35
  12. SPARES WILL BE PLUGGED WITH SUS EX PLUG
  13. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS
  14. ALL DIMENSIONS IN mm.
  15. EXTERNAL EARTH BOLT AND RELATED PARTS ARE ALL COPPER.

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

### LEGEND

RESULT CODE:  AP  AN  CO  RE RESUBMISSION DATE:

NEXT STATUS:  IFI  IFA  JAF  ASB/IFIN

Approval or review hereunder shall not be construed to relieve Vendor/ Subcontractor of his responsibilities and liability under the Contract.

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDRO JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 03   | 26/Aug/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 02   | 16/Jul/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 01   | 25/Apr/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |
| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | -   |

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:



DRAWING TITLE:  
PANEL LAYOUT DRAWING  
LOCAL CONTROL PANEL PFJBIA-80089

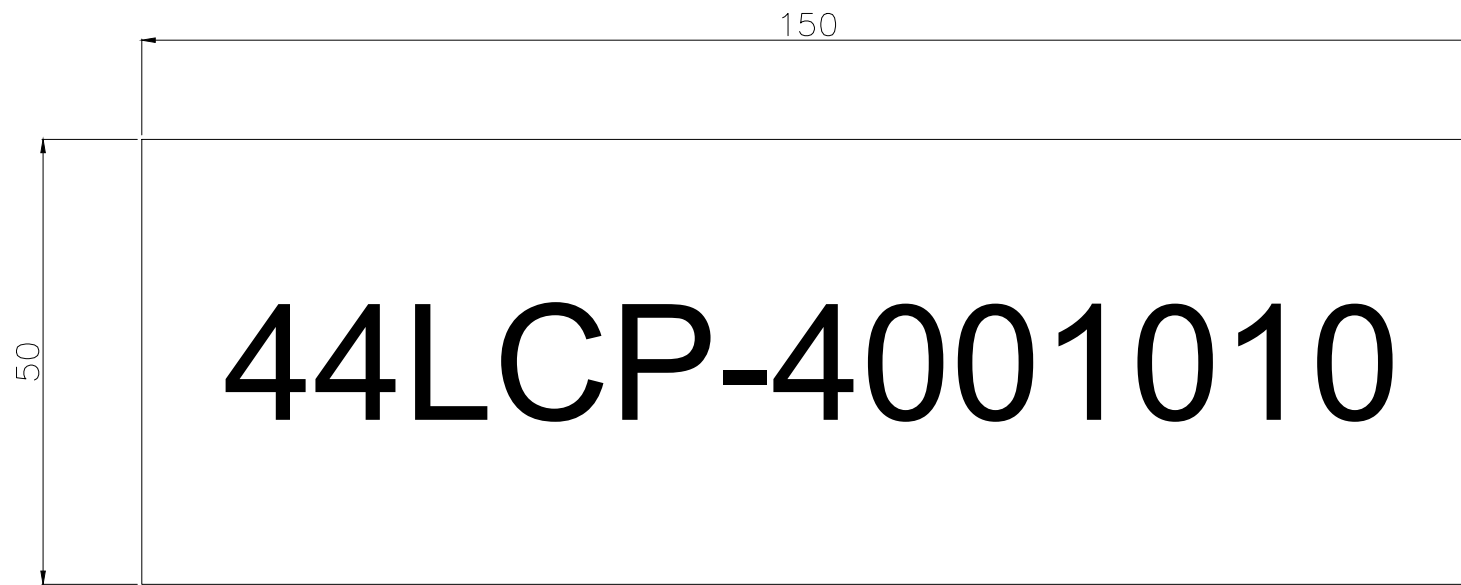
OWNER DOC. NO.

OWNER PROJECT NO. VENDOR DWG. MR NO. VENDOR CODE DISCIPLINE UNIT TYPE SEQ.

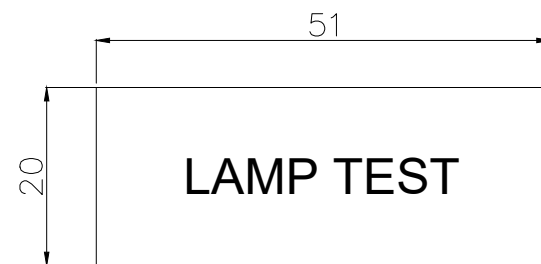
3944 VD 0171 DYP RE 400 DWG 0003

SCALE: NONE SIZE: A0 SHEET NO. 33 OF 34 REV. 03

# NAME PLATE DETAILS



**DETAIL A**  
SCALE 10:1  
BLACK LETTERS WITH WHITE  
BACKGROUND



**DETAIL B**  
SCALE 10:1  
BLACK LETTERS WITH WHITE  
BACKGROUND

## GENERAL NOTES

- NOTES  
1. NAME PLATES WILL BE MADE OF STAINLESS STEEL  
2. NAME PLATES WILL BE MOUNTED ON THE INSIDE OF THE DOOR AND ON THE OUTSIDE OF THE DOOR

| REF DRAWINGS            | DWG.No.                          |
|-------------------------|----------------------------------|
| Wiring Diagram          | 3944-VD-0171-DYP-RE-400-DIA-0002 |
| I/O List                | 3944-VD-0171-DYP-RE-400-LST-0080 |
| E&I System Config Diag. | 3944-VD-0171-DYP-RE-400-DIA-0078 |

## LEGEND

RESULT CODE:  AP  AN  CO  RE RESUBMISSION DATE:

NEXT STATUS:  IFI  IFA  AFC  ASB/IFIN

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P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDRO JOB NO.:

| REV. | DATE      | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
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| 00   | 24/Mar/25 | ISSUED FOR APPROVAL       | RT    | RB    | SC    | --  |

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:



DRAWING TITLE:

PANEL LAYOUT DRAWING  
LOCAL CONTROL PANEL 44AJB-80005C

| OWNER DOC. NO.    |             |              |             |            |      |           |
|-------------------|-------------|--------------|-------------|------------|------|-----------|
| OWNER PROJECT NO. | VENDOR DWG. | MR NO.       | VENDOR CODE | DISCIPLINE | UNIT | TYPE SEQ. |
| 3944              | VD          | 0171         | DYP         | RE         | 400  | DWG 0003  |
| SCALE: NONE       | SIZE: A0    | SHEET NO. 34 | OF 34       | REV. 03    |      |           |