



ASPC Project








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

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

Airpack Document Number : 23383-07

Document Title : Panel Layout Drawing

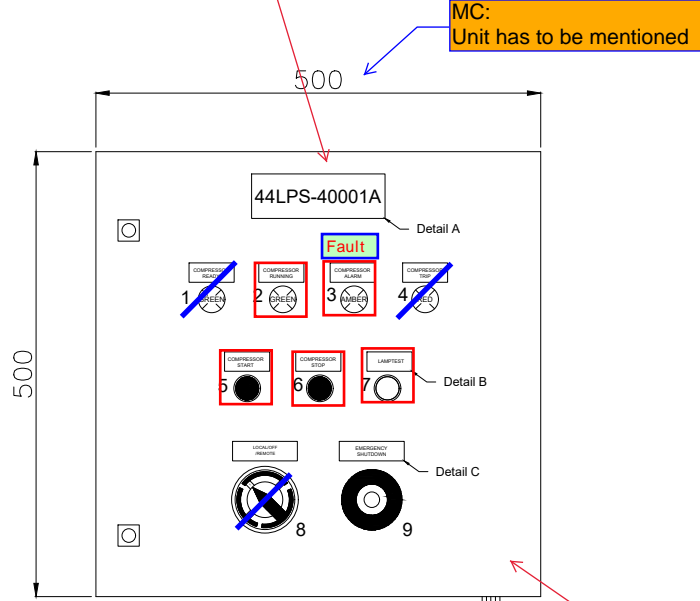
| Review Code and Status | | Contractor Initials/Signature | Date signed |
|---|--|---|----------------|
|  | Code 1 REJECTED - Vendor to revise and Resubmit. Work cannot proceed |  | 9 Jun 2025 |
|  | Code 2 Comments As Noted - Work May proceed, subject to compliance with and incorporation of comments | | |
|  | Code 3 No Comments - Work may proceed. | | |
|  | Code 4 Information only - Review not required. | | |

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

44LPS-40001A

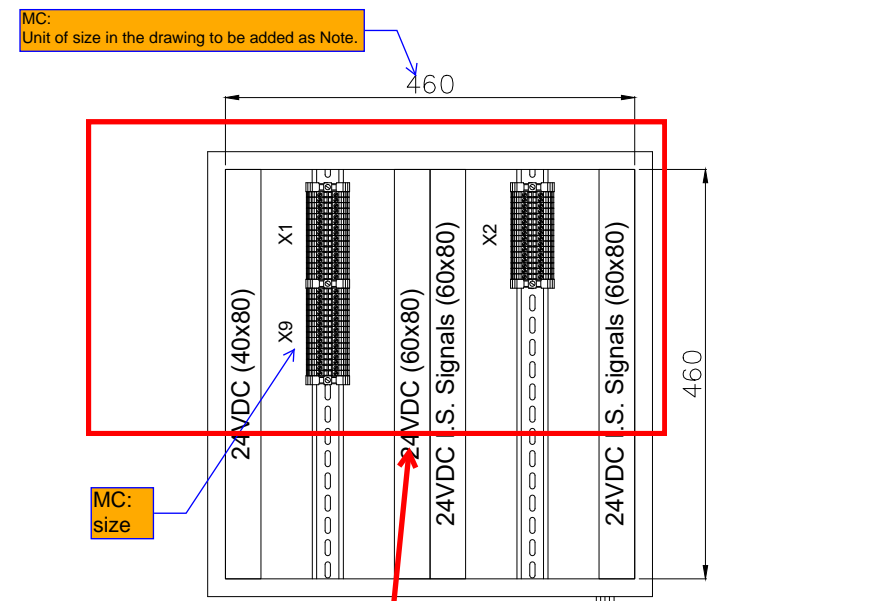
INS:
Tag number shall be "44LCP-4001010"

Front Side (Outside) View

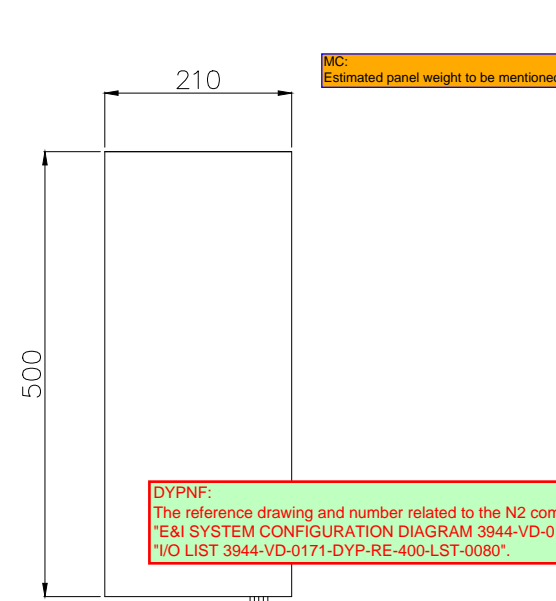


INS General Comment:
1- All terminals inside LCPs shall be blue color.
2- lamps and PBs (except ESD PB) are transmitted via common multi-pair cable (16x2x1.5), so one terminal block and one cable gland (M 32) is enough for them.
3- Signals of the LCPs shall be updated in accordance with our meeting agreement and aligned with the vendor's I/O list.

Front Side (Inside) View



Side (Outside) View



GENERAL NOTES
NOTES
1. PANEL DIMENSIONS: 500x500x210mm
2. PANEL MATERIAL: SS316L STAINLESS STEEL
3. PANEL COLOR: RAL7035 (GRAY)
4. PANEL WILL BE RIGHT HINGED
5. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
6. AMBIENT TEMPERATURE: 5°C/+48°C
7. INGRESS PROTECTION: IP65
8. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
9. DIN RAIL TYPE: NS35
10. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS.
11. SPARES WILL BE PLUGGED WITH SUS EX PLUG
12. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS

| REFERENCE DRAWINGS | DWG.No. |
|--------------------|---------|
| xxxx | xxxx |

MC:
Reference document based on VPIS to be added.

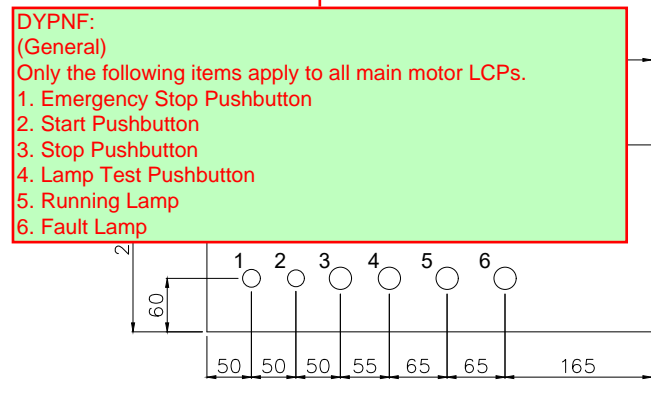
DYPNF:
The reference drawing and number related to the N2 compressor 40001A/B is "E&I SYSTEM CONFIGURATION DIAGRAM 3944-VD-0171-DYP-RE-400-DIA-0078".
"I/O LIST 3944-VD-0171-DYP-RE-400-LST-0080".

Client:
As per the agreement in the meeting The EMgency PB was canceled.
-The local/remote should be installed in separate box and relevant signal should be sent to MCC

INS:
All LCPs shall be supplied with an approved certificate and certification label attached to the lid

Client:
-two row terminal should be merged to one terminal.

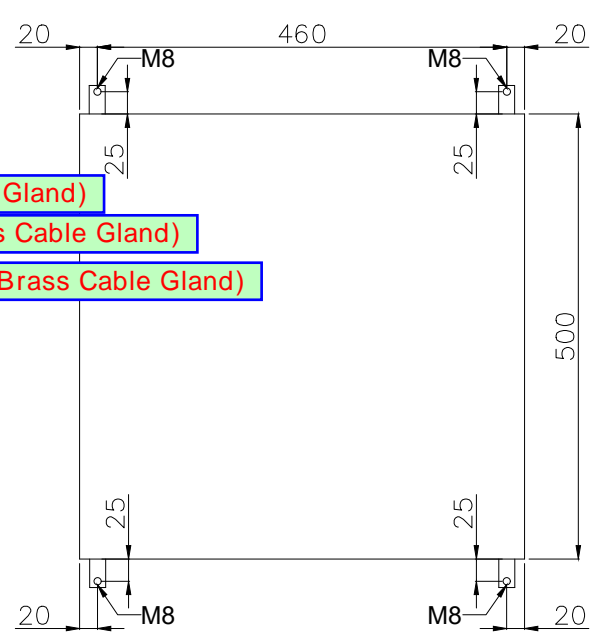
Bottom View



Gland Entry Details

- M20 - 1x (Breather)
- M20 - 1x (Spare) (with SUS EX Plug)
- M25 - 1x (Cable for Lamps) (with Nickel Plated Brass Cable Gland)
- M25 - 1x (Cable for Pushbuttons) (with Nickel Plated Brass Cable Gland)
- M25 - 1x (Cable for ESD Pushbutton) (with Nickel Plated Brass Cable Gland)
- M25 - 1x (Spare) (with SUS EX Plug)

Back (Outside) View Mounting Details



LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA IAF 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. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 01 | 25/Apr/25 | ISSUE FOR APPROVAL | RT | RB | SC | I |
| 00 | 24/Mar/25 | ISSUED FOR APPROVAL | RT | RB | SC | I |

OWNER:



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

MC:
ISEDCO

CONTRACTOR: SAZEH CONSULTANTS
VENDOR: DYPNF

DRAWING TITLE:
PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44LPS-40001A

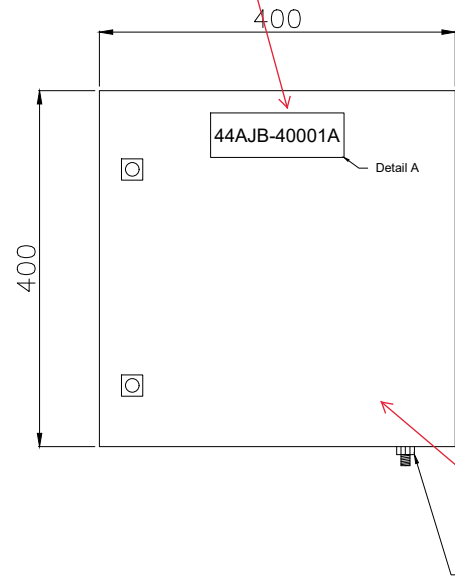
| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
|-------------------|-------------|--------|-------------|------------|------|------|------|
| 3944 | VD | 0171 | DYP | RE | 400 | DWG | 0003 |

SCALE: NONE SIZE: A0 SHEET NO. 2 OF 34 REV. 01

44AJB-40001A

INS:
Tag number shall be "PFJBIA-40060i"

Front Side (Outside) View

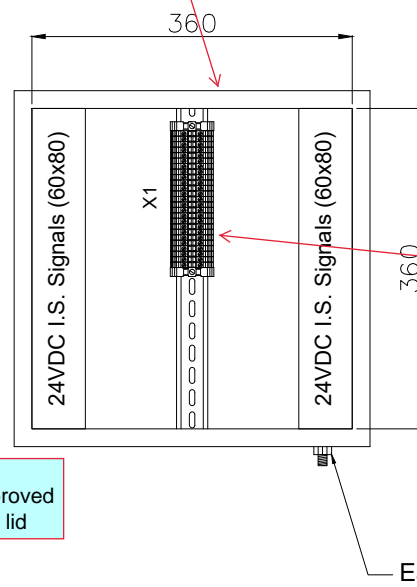


INS:
All junction boxes shall be supplied with an approved certificate and certification label attached to the lid

Earthing Boss M6

INS:
Terminals inside JB's shall be arranged in one horizontal row.

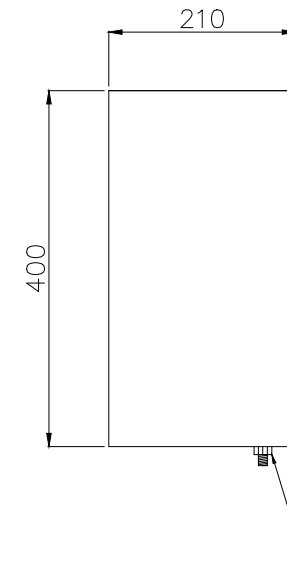
Front Side (Inside) View



INS:
Specification of terminals inside JB's shall be added.

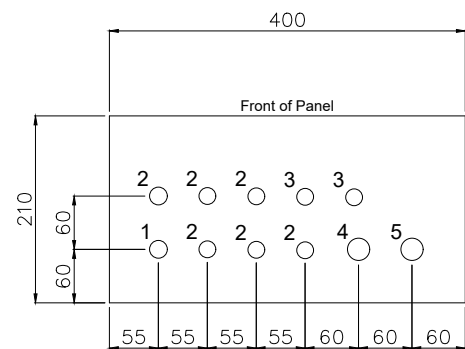
Earthing Boss M6

Side (Outside) View



Earthing Boss M6

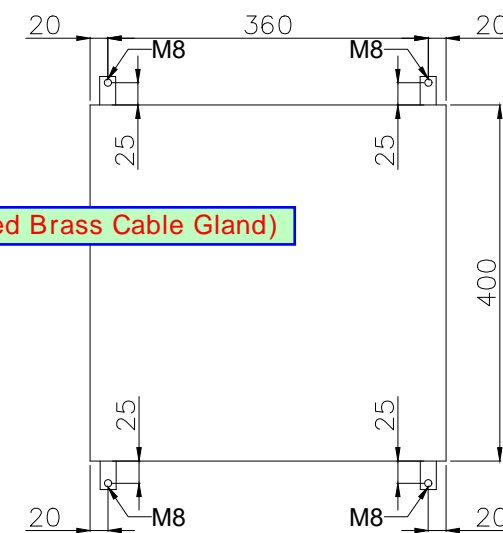
Bottom View



Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 6x (Cables from Transmitters)
3. M20 - 2x (Spare) (with SUS EX Plug)
4. M25 - 1x (Multipair Cable from Customer) (with Nickel Plated Brass Cable Gland)
5. M25 - 1x (Spare) (with SUS EX Plug)

Back (Outside) View Mounting Details




| GENERAL NOTES | |
|--|---------|
| NOTES | |
| 1. PANEL DIMENSIONS: 400x400x210mm | |
| 2. PANEL MATERIAL: SS316L STAINLESS STEEL | |
| 3. PANEL COLOR: RAL5010 (BLUE) | |
| 4. PANEL WILL BE RIGHT HINGED | |
| 5. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e' | |
| 6. AMBIENT TEMPERATURE: 5°C/+48°C | |
| 7. INGRESS PROTECTION: IP65 | |
| 8. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY. | |
| 9. DIN RAIL TYPE: NS35 | |
| 10. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS. | |
| 11. SPARES WILL BE PLUGGED WITH SUS EX PLUG | |
| 12. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS | |
| REFERENCE DRAWINGS | DWG.No. |
| xxxx | xxxx |

| LEGEND | |
|--------|--|
| | |
| | |
| | |

| RESULT CODE: | AP | AN | CO | RE | RESUBMISSION DATE: |
|--|-----|-----|----|---------|--------------------|
| NEXT STATUS: | IFI | IFA | AF | ASB/FIN | |
| 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. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 01 | 25/Apr/25 | ISSUE 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 44AJB-40001A | | | | | | | |
| 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. | 3 OF 34 | REV. | 01 |


| No. | Description | Tag Number | Make | Model | Qty. |
|---------------------------|---|------------|-----------------|-----------------|------|
| 1 | Ready Indication Lamp (Green) | 3H4 | Bartec | 07-3351-1420 | 1 |
| 2 | Running Indication Lamp (Green) | 3H6 | Bartec | 07-3351-1420 | 1 |
| 3 | Alarm Indication Lamp (Amber) | 3H8 | Bartec | 07-3351-1430 | 1 |
| 4 | Trip Lamp (Red) | 3H10 | Bartec | 07-3351-1410 | 1 |
| 5 | Start Pushbutton (Green) | 2S4 | Bartec | 07-3353-400 | 1 |
| 6 | Stop Pushbutton (Red) | 2S6 | Bartec | 07-3353-400 | 1 |
| 7 | Lamp Test Pushbutton (Black) | 2S8 | Bartec | 07-3353-400 | 1 |
| 8 | Selector Switch (Local/Off/Remote) | 2S10 | Bartec | 05-0003-001000 | 1 |
| 9 | Emergency Shutdown Pushbutton with Protective Cover | 4S4 | Bartec | 05-0003-00 0800 | 1 |
| Terminal Strip Definition | | | | | |
| X1 | Connection Pushbuttons | X1 | Phoenix Contact | 3044102 | 16 |
| X2 | Connection Lamps | X2 | Phoenix Contact | 3211760 | 16 |
| X9 | Connection ESD Pushbutton | X9 | Phoenix Contact | 3044102 | 16 |

| GENERAL NOTES | |
|---|---------|
| NOTES 1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM. | |
| REFERENCE DRAWINGS | DWG.No. |
| xxxx | xxxx |

| LEGEND | |
|--------|--|
| | |



| | | | | | | |
|--|------------------------------|------------------------------|------------------------------|-----------------------------------|--------------------|-----|
| RESULT CODE: | <input type="checkbox"/> AP | <input type="checkbox"/> AN | <input type="checkbox"/> CO | <input type="checkbox"/> RE | RESUBMISSION DATE: | |
| NEXT STATUS: | <input type="checkbox"/> IFI | <input type="checkbox"/> IFA | <input type="checkbox"/> AFC | <input type="checkbox"/> 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.: | | | | | | |
| | | | | | | |
| | | | | | | |
| 01 25/Apr/25 | ISSUE FOR APPROVAL | RT | RB | SC | - | |
| 00 24/Mar/25 | ISSUED FOR APPROVAL | RT | RB | SC | - | |
| REV. | DATE | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |

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 44LPS-40001B
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. | 4 OF 34 | REV. | 01 |

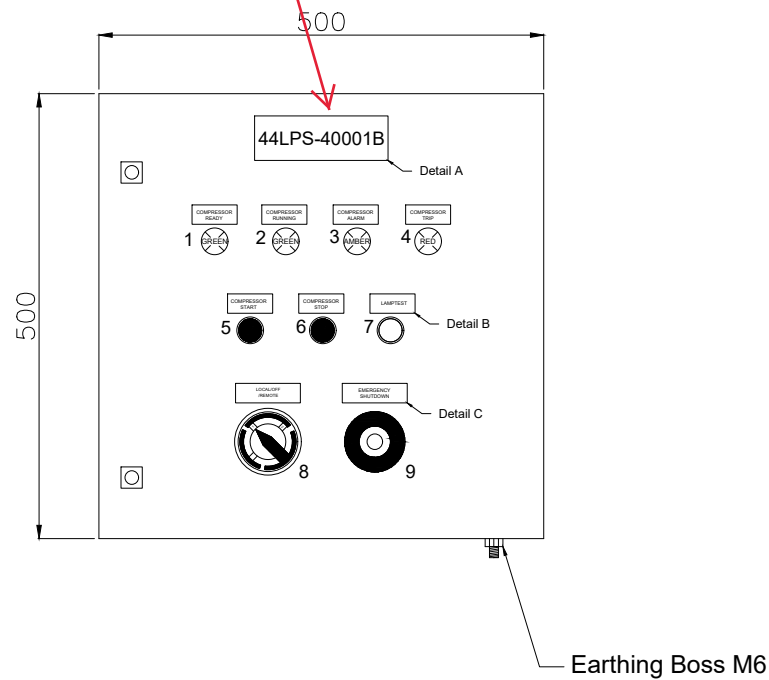
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44LPS-40001B

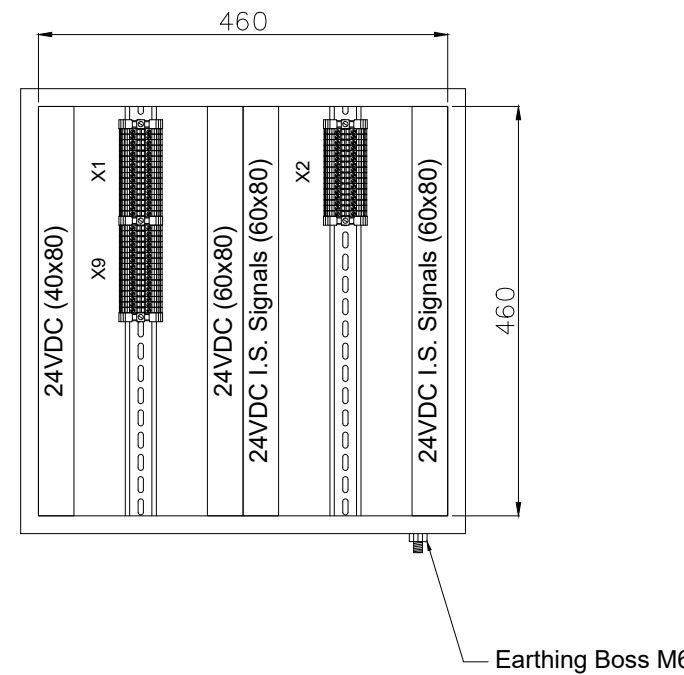
INS:
Refer to comments on page 3.

INS:
Tag number shall be "44LCP-4002010"

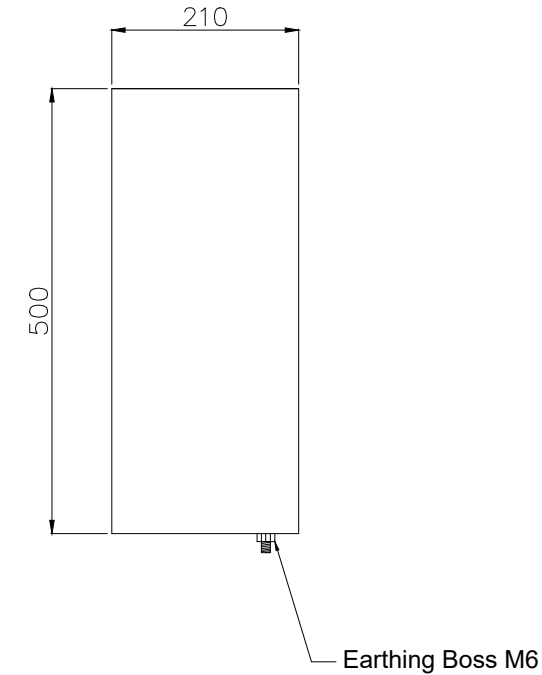
Front Side (Outside) View



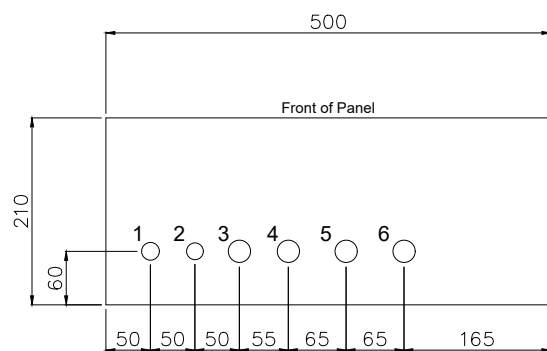
Front Side (Inside) View



Side (Outside) View



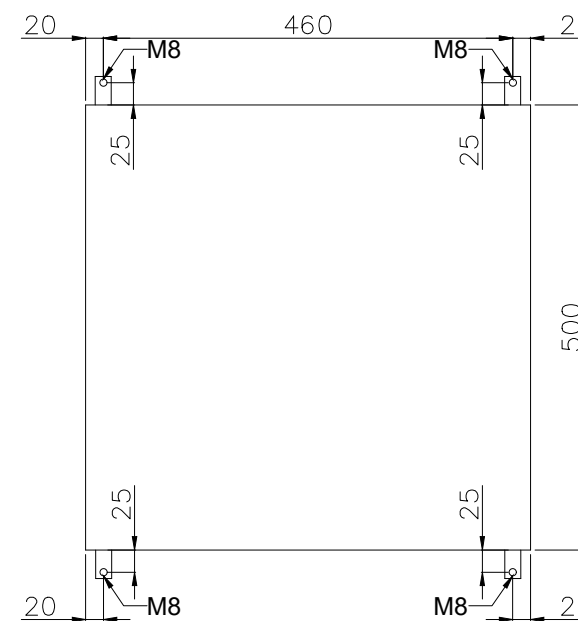
Bottom View



Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for Lamps)
4. M25 - 1x (Cable for Pushbuttons)
5. M25 - 1x (Cable for ESD Pushbutton)
6. M25 - 1x (Spare)

Back (Outside) View Mounting Details



| GENERAL NOTES | |
|--|--|
| NOTES | |
| 1. PANEL DIMENSIONS: 500x500x210mm | |
| 2. PANEL MATERIAL: SS316L STAINLESS STEEL | |
| 3. PANEL COLOR: RAL7035 (GRAY) | |
| 4. PANEL WILL BE RIGHT HINGED | |
| 5. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e' | |
| 6. AMBIENT TEMPERATURE: 5°C/+48°C | |
| 7. INGRESS PROTECTION: IP65 | |
| 8. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY. | |
| 9. DIN RAIL TYPE: NS35 | |
| 10. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS. | |
| 11. SPARES WILL BE PLUGGED WITH SUS Ex PLUG | |
| 12. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS | |

| REFERENCE DRAWINGS | DWG.No. |
|--------------------|---------|
| xxxx | xxxx |

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA IFC 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.):

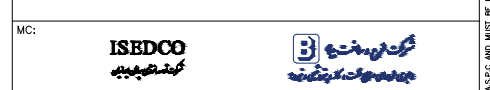
VENDOR JOB NO.:

| REV. | DATE | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 01 | 25/Apr/25 | ISSUE 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)



DRAWING TITLE:
PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44LPS-40001B

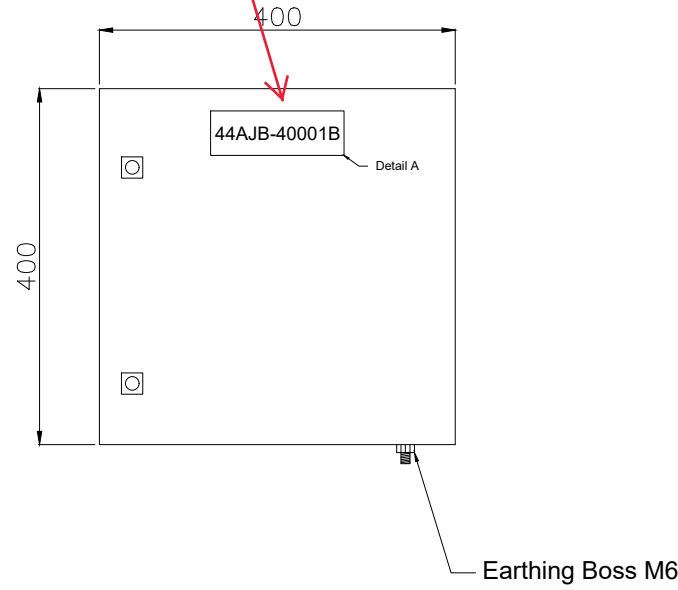
| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
|-------------------|-------------|-------------|-------------|------------|------|------|------|
| 3944 | VD | 0171 | DYP | RE | 400 | DWG | 0003 |
| SCALE: NONE | SIZE: A0 | SHEET NO. 5 | OF 34 | REV. 01 | | | |

44AJB-40001B

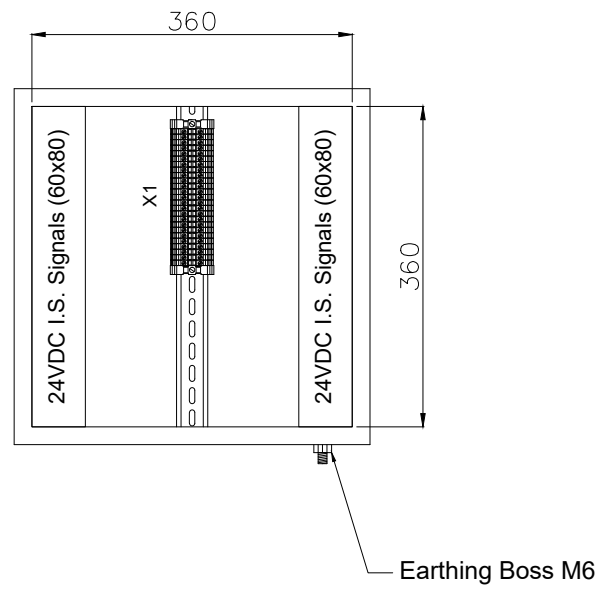
INS:
Tag number shall be "PFJBIA-40061i"

INS:
Refer to comments on page 4.

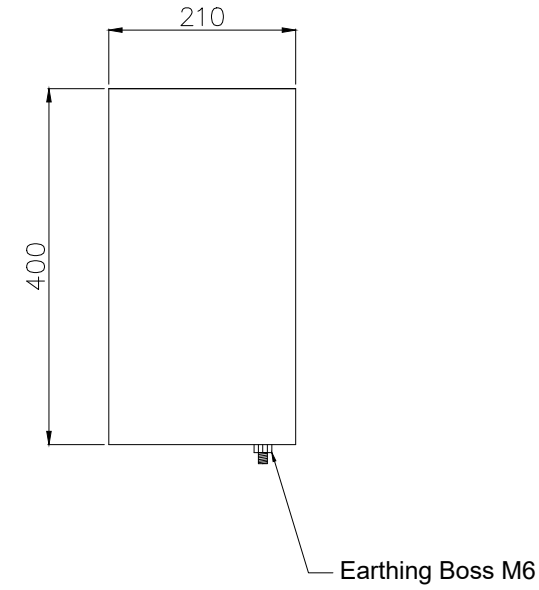
Front Side (Outside) View



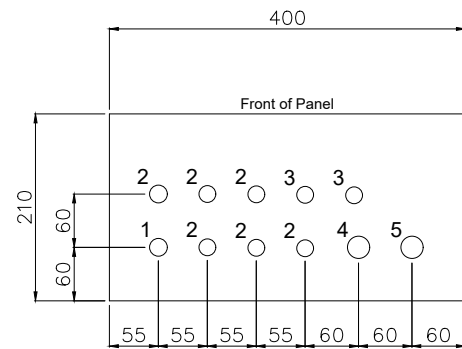
Front Side (Inside) View



Side (Outside) View



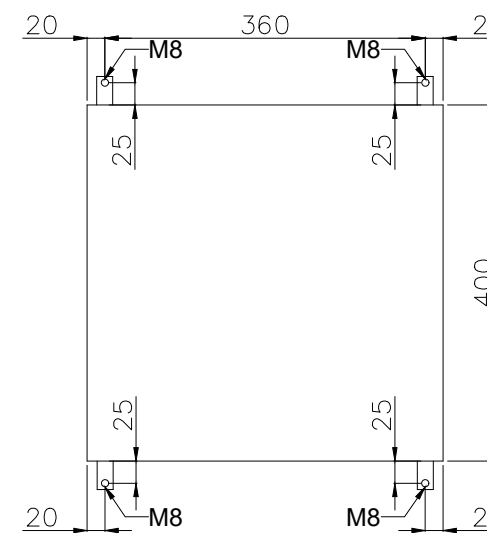
Bottom View



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: RAL5010 (BLUE)
 4. PANEL WILL BE RIGHT HINGED
 5. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
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 7. INGRESS PROTECTION: IP65
 8. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
 9. DIN RAIL TYPE: NS35
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 11. SPARES WILL BE PLUGGED WITH SUS Ex PLUG
 12. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS

| REFERENCE DRAWINGS | DWG.No. |
|--------------------|---------|
| xxxx | xxxx |

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA IAF 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. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 01 | 25/Apr/25 | ISSUE 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 44AJB-40001B

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. 6 OF 34 REV. 01

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| No. | Description | Tag Number | Make | Model | Qty. |
|---------------------------|---|------------|-----------------|-----------------|------|
| 1 | Ready Indication Lamp (Green) | 3H4 | Bartec | 07-3351-1420 | 1 |
| 2 | Running Indication Lamp (Green) | 3H6 | Bartec | 07-3351-1420 | 1 |
| 3 | Alarm Indication Lamp (Amber) | 3H8 | Bartec | 07-3351-1430 | 1 |
| 4 | Trip Lamp (Red) | 3H10 | Bartec | 07-3351-1410 | 1 |
| 5 | Start Pushbutton (Green) | 2S4 | Bartec | 07-3353-400 | 1 |
| 6 | Stop Pushbutton (Red) | 2S6 | Bartec | 07-3353-400 | 1 |
| 7 | Lamp Test Pushbutton (Black) | 2S8 | Bartec | 07-3353-400 | 1 |
| 8 | Selector Switch (Local/Off/Remote) | 2S10 | Bartec | 05-0003-001000 | 1 |
| 9 | Emergency Shutdown Pushbutton with Protective Cover | 4S4 | Bartec | 05-0003-00 0800 | 1 |
| Terminal Strip Definition | | | | | |
| X1 | Connection Pushbuttons | X1 | Phoenix Contact | 3044102 | 16 |
| X2 | Connection Lamps | X2 | Phoenix Contact | 3211760 | 16 |
| X9 | Connection ESD Pushbutton | X9 | Phoenix Contact | 3044102 | 16 |

| GENERAL NOTES | |
|---|---------|
| NOTES 1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM. | |
| REFERENCE DRAWINGS | DWG.No. |
| xxxx | xxxx |

MC:
General comment:
Project tag No. based on related IO list to be added.

MC:
Country of origin shall be mentioned


MC:
Reference drawing and documents shall be mentioned

DYPNF:
The reference drawing and number related to the N2 compressor 40001A/B is "E&I SYSTEM CONFIGURATION DIAGRAM 3944-VD-0180-DYP-RE-800-DIA-0101".
"I/O LIST 3944-VD-0180-DYP-RE-800-LST-0103".

| LEGEND | |
|--------|--|
| | |



| | |
|--|--|
| RESULT CODE: <input type="checkbox"/> AP <input type="checkbox"/> AN <input type="checkbox"/> CO <input type="checkbox"/> RE | RESUBMISSION DATE: |
| NEXT STATUS: <input type="checkbox"/> IFI <input type="checkbox"/> IFA <input type="checkbox"/> AFC <input type="checkbox"/> 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.: | |
| | |
| | |
| | |
| 01 25/Apr/25 | ISSUE FOR APPROVAL RT RB SC - |
| 00 24/Mar/25 | ISSUED FOR APPROVAL RT RB SC - |
| REV. DATE | PURPOSE OF ISSUE (P.O.I) PREP,CHKD,APPR, AC. |

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 44LPS-80001A

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. 7 OF 34 REV. 01

44LPS-80001A

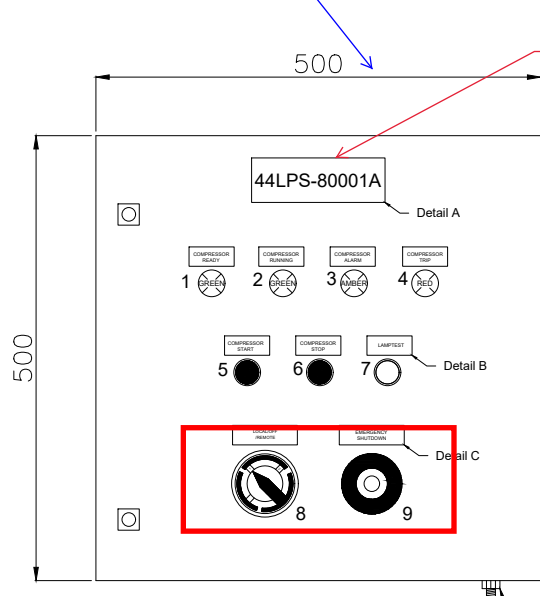
INS General Comment:
 1- All terminals inside LCPs shall be blue color.
 2- lamps and PBs (except ESD PB) are transmitted via common multi-pair cable (16x2x1.5), so one terminal block and one cable gland (M 32) is enough for them.
 3- considered signals on LCPs is not match with vendor I/O list and what we agreed in the meeting.

MC:
 Sheet thickness
 Anti condensation heater
 Internal lighting

GENERAL NOTES
 NOTES
 1. PANEL DIMENSIONS: 500x500x210mm
 2. PANEL MATERIAL: SS316L STAINLESS STEEL
 3. PANEL COLOR: RAL7035 (GRAY)
 4. PANEL WILL BE RIGHT HINGED
 5. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
 6. AMBIENT TEMPERATURE: 5°C/+48°C
 7. INGRESS PROTECTION: IP65
 8. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
 9. DIN RAIL TYPE: NS35
 10. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS.
 11. SPARES WILL BE PLUGGED WITH SUS Ex PLUG
 12. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS

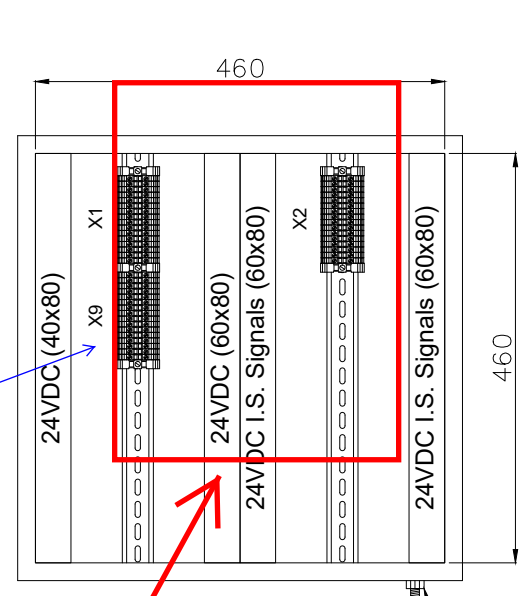
MC:
 Unit has to be mentioned

Front Side (Outside) View



INS:
 Tag number shall be "44LCP-8004011"

Front Side (Inside) View



MC:
 size

Client:
 -two row terminal should be merged to one terminal.

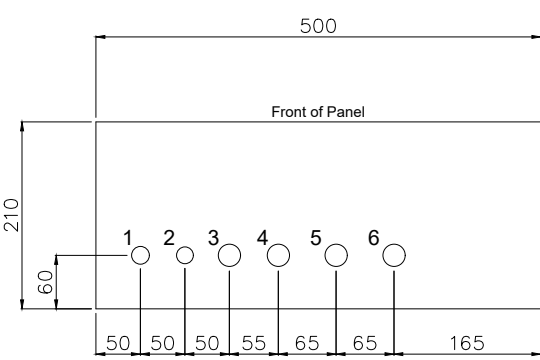
Earthing Boss M6

Earthing Boss M6

INS:
 All junction boxes shall be supplied with an approved certificate and certification label attached

Client:
 As per the agreement in the meeting The EMgency PB was canceled.
 -The local/remote should be installed in separate box and relevant signal should be sent to MCC

Bottom View

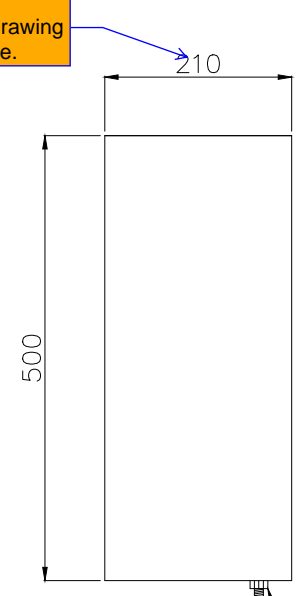


Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for Lamps)
4. M25 - 1x (Cable for Pushbuttons)
5. M25 - 1x (Cable for ESD Pushbutton)
6. M25 - 1x (Spare)

Side (Outside) View

MC:
 Unit of size in the drawing to be added as Note.



INS:
 color of LCPs shall be blue.

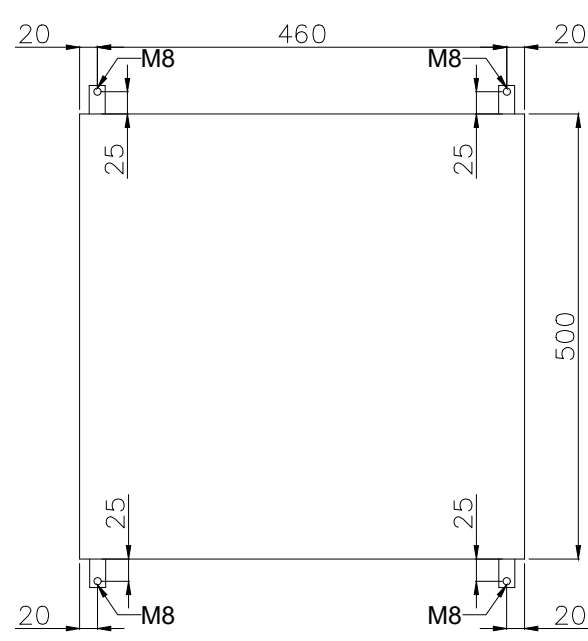
MC:
 -external nuts, bolts and washers material to be added.
 -Drain valve to be considered.
 -Plug material and ATEX to be mentioned

DYPNF:
 The reference drawing and number related to the N2 compressor 40001A/B is "E&I SYSTEM CONFIGURATION DIAGRAM 3944-VD-0180-DYP-RE-800-DIA-0101", "I/O LIST 3944-VD-0180-DYP-RE-800-LST-0103".

MC:
 Estimated panel weight to be mentioned.

MC:
 Reference document based on VPIS to be added

Back (Outside) View Mounting Details



RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA IAF 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. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 01 | 25/Apr/25 | ISSUE FOR APPROVAL | RT | RB | SC | I |
| 00 | 24/Mar/25 | ISSUED FOR APPROVAL | RT | RB | SC | I |

OWNER:



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

MC:
ISED **SAZEH**

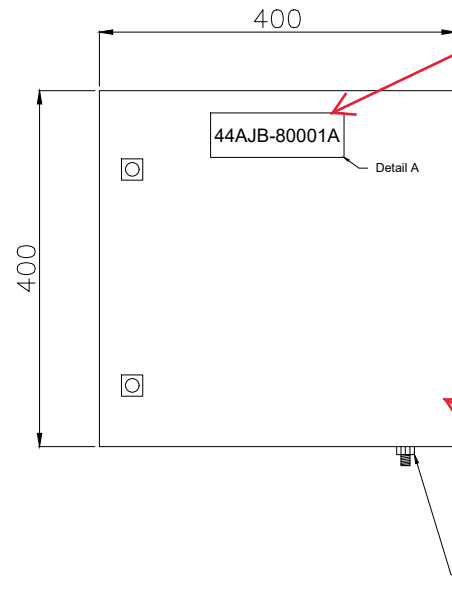
CONTRACTOR: **SAZEH CONSULTANTS** VENDOR: **DYPNF**

DRAWING TITLE:
 PANEL LAYOUT DRAWING
 LOCAL CONTROL PANEL 44LPS-80001A

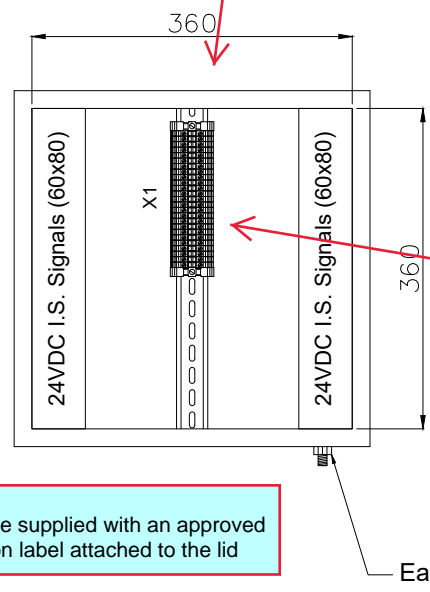
| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
|-------------------|-------------|-------------|-------------|------------|------|------|------|
| 3944 | VD | 0171 | DYP | RE | 400 | DWG | 0003 |
| SCALE: NONE | SIZE: A0 | SHEET NO. 8 | OF 34 | REV. 01 | | | |

44AJB-80001A

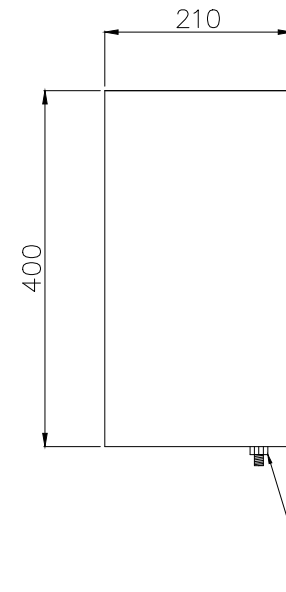
Front Side (Outside) View



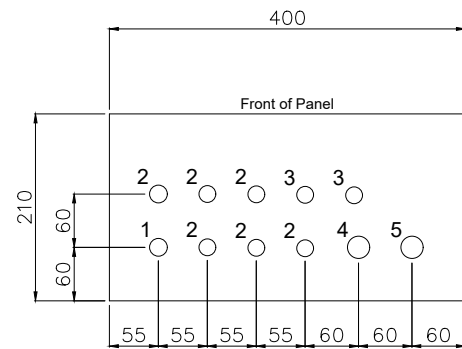
Front Side (Inside) View



Side (Outside) View



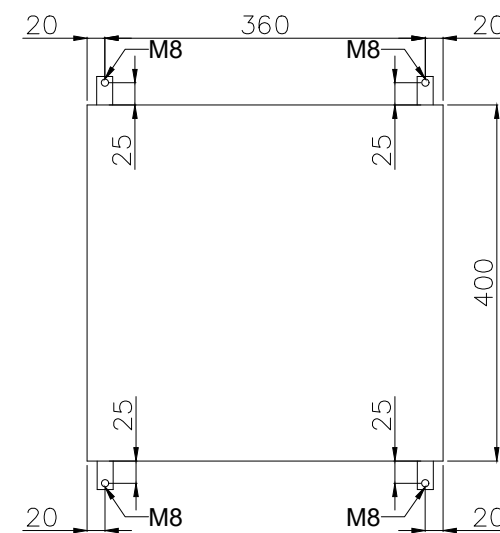
Bottom View



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: RAL5010 (BLUE) | |
| 4. PANEL WILL BE RIGHT HINGED | |
| 5. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e' | |
| 6. AMBIENT TEMPERATURE: 5°C/+48°C | |
| 7. INGRESS PROTECTION: IP65 | |
| 8. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY. | |
| 9. DIN RAIL TYPE: NS35 | |
| 10. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS. | |
| 11. SPARES WILL BE PLUGGED WITH SUS Ex PLUG | |
| 12. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS | |

| REFERENCE DRAWINGS | DWG.No. |
|--------------------|---------|
| xxxx | xxxx |

LEGEND

| | | | | | |
|--------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------|
| RESULT CODE: | <input type="checkbox"/> AP | <input type="checkbox"/> AN | <input type="checkbox"/> CO | <input type="checkbox"/> RE | RESUBMISSION DATE: |
|--------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------|

| | | | | |
|--------------|------------------------------|------------------------------|------------------------------|-----------------------------------|
| NEXT STATUS: | <input type="checkbox"/> IFI | <input type="checkbox"/> IFA | <input type="checkbox"/> IAF | <input type="checkbox"/> 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. |
| 01 | 25/Apr/25 | ISSUE 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)



DRAWING TITLE:
PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44AJB-80001A

| | | | | | | |
|-------------------|-------------|--------|-------------|------------|---------|-----------|
| 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. | 9 OF 34 | REV. 01 |


| No. | Description | Tag Number | Make | Model | Qty. |
|---------------------------|---|------------|-----------------|-----------------|------|
| 1 | Ready Indication Lamp (Green) | 3H4 | Bartec | 07-3351-1420 | 1 |
| 2 | Running Indication Lamp (Green) | 3H6 | Bartec | 07-3351-1420 | 1 |
| 3 | Alarm Indication Lamp (Amber) | 3H8 | Bartec | 07-3351-1430 | 1 |
| 4 | Trip Lamp (Red) | 3H10 | Bartec | 07-3351-1410 | 1 |
| 5 | Start Pushbutton (Green) | 2S4 | Bartec | 07-3353-400 | 1 |
| 6 | Stop Pushbutton (Red) | 2S6 | Bartec | 07-3353-400 | 1 |
| 7 | Lamp Test Pushbutton (Black) | 2S8 | Bartec | 07-3353-400 | 1 |
| 8 | Selector Switch (Local/Off/Remote) | 2S10 | Bartec | 05-0003-001000 | 1 |
| 9 | Emergency Shutdown Pushbutton with Protective Cover | 4S4 | Bartec | 05-0003-00 0800 | 1 |
| Terminal Strip Definition | | | | | |
| X1 | Connection Pushbuttons | X1 | Phoenix Contact | 3044102 | 16 |
| X2 | Connection Lamps | X2 | Phoenix Contact | 3211760 | 16 |
| X9 | Connection ESD Pushbutton | X9 | Phoenix Contact | 3044102 | 16 |

| GENERAL NOTES | |
|---|---------|
| NOTES 1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM. | |
| REFERENCE DRAWINGS | DWG.No. |
| xxxx | xxxx |

| LEGEND | |
|--------|--|
| | |



| | | | | | | |
|--|------------------------------|------------------------------|------------------------------|-----------------------------------|--------------------|-----|
| RESULT CODE: | <input type="checkbox"/> AP | <input type="checkbox"/> AN | <input type="checkbox"/> CO | <input type="checkbox"/> RE | RESUBMISSION DATE: | |
| NEXT STATUS: | <input type="checkbox"/> IFI | <input type="checkbox"/> IFA | <input type="checkbox"/> AFC | <input type="checkbox"/> 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.: | | | | | | |
| | | | | | | |
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| | | | | | | |
| 01 | 25/Apr/25 | ISSUE FOR APPROVAL | RT | RB | SC | - |
| 00 | 24/Mar/25 | ISSUED FOR APPROVAL | RT | RB | SC | - |
| REV. | DATE | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |

OWNER:





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


MC:

CONTRACTOR:

VENDOR:



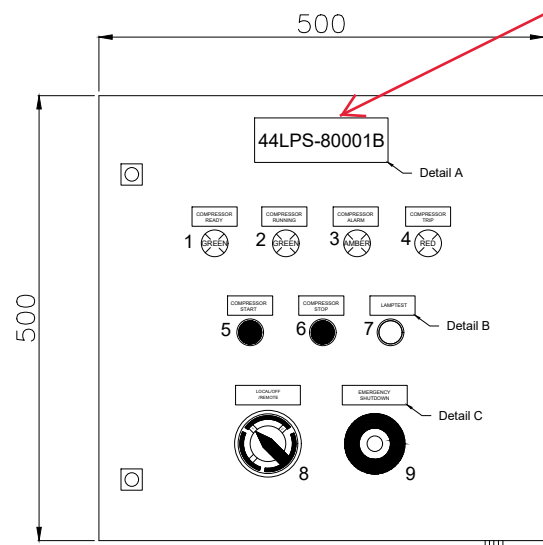
DRAWING TITLE:
PANEL LAYOUT DRAWING
BILL OF MATERIALS FOR
LOCAL CONTROL PANEL 44LPS-80001B
OWNER DOC. NO.

| | | | | | | | |
|-------------------|-------------|--------|-------------|------------|----------|------|------|
| 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. | 10 OF 34 | REV. | 01 |

44LPS-80001B

INS:
Refer to comments on page 4.

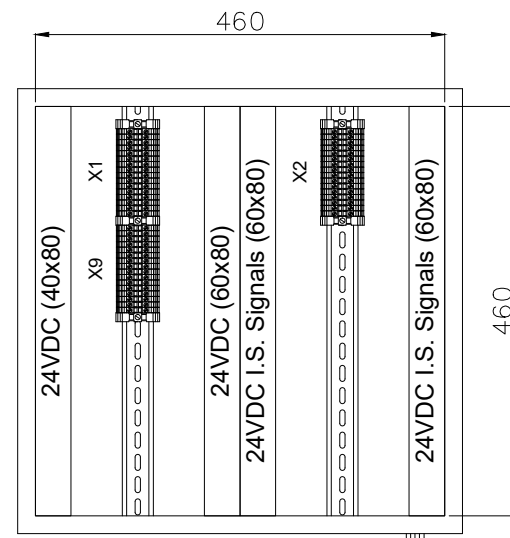
Front Side (Outside) View



INS:
Tag number shall be
"44LCP-8004021"

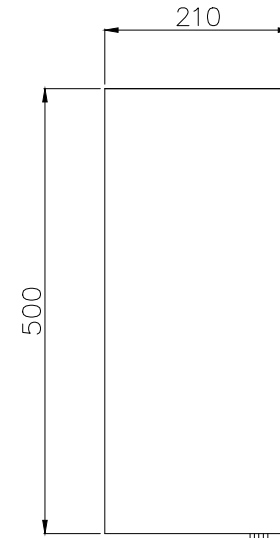
Earthing Boss M6

Front Side (Inside) View



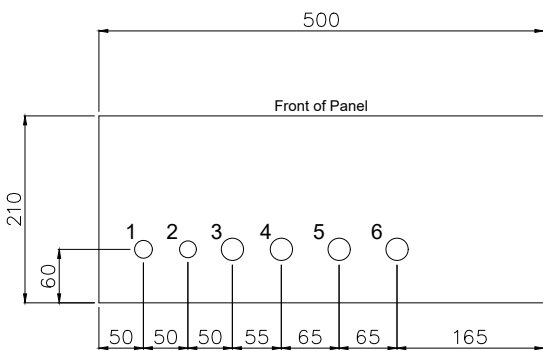
Earthing Boss M6

Side (Outside) View



Earthing Boss M6

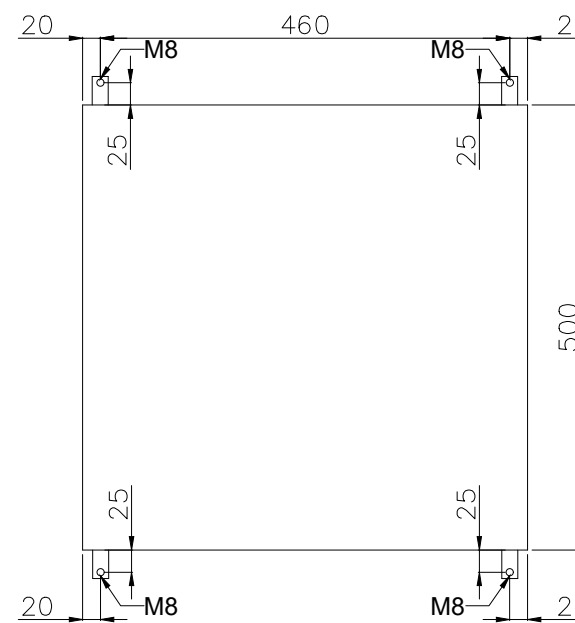
Bottom View



Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for Lamps)
4. M25 - 1x (Cable for Pushbuttons)
5. M25 - 1x (Cable for ESD Pushbutton)
6. M25 - 1x (Spare)

Back (Outside) View Mounting Details



| GENERAL NOTES | |
|--|--|
| NOTES | |
| 1. PANEL DIMENSIONS: 500x500x210mm | |
| 2. PANEL MATERIAL: SS316L STAINLESS STEEL | |
| 3. PANEL COLOR: RAL7035 (GRAY) | |
| 4. PANEL WILL BE RIGHT HINGED | |
| 5. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e' | |
| 6. AMBIENT TEMPERATURE: 5°C/+48°C | |
| 7. INGRESS PROTECTION: IP65 | |
| 8. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY. | |
| 9. DIN RAIL TYPE: NS35 | |
| 10. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS. | |
| 11. SPARES WILL BE PLUGGED WITH SUS Ex PLUG | |
| 12. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS | |

| REFERENCE DRAWINGS | DWG.No. |
|--------------------|---------|
| xxxx | xxxx |

| LEGEND | |
|--------|--|
| | |

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA IAF 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. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 01 | 25/Apr/25 | ISSUE 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)



DRAWING TITLE:
PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44LPS-80001B

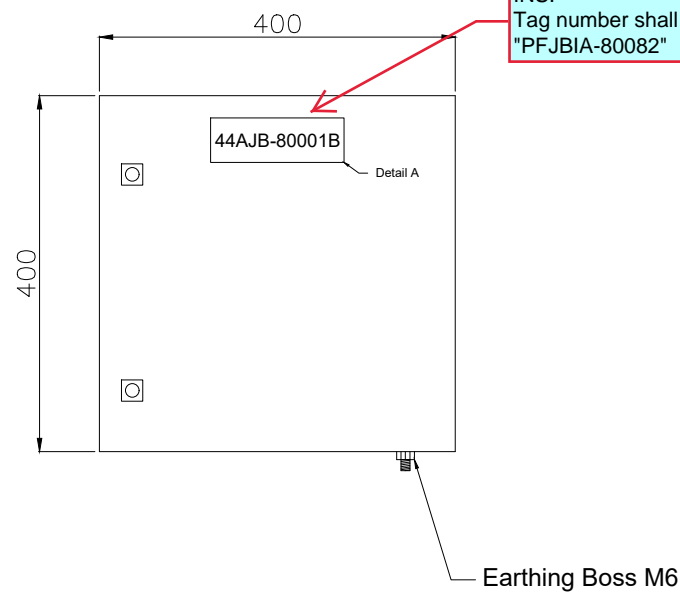
| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
|-------------------|-------------|--------|-------------|------------|------|------|------|
| 3944 | VD | 0171 | DYP | RE | 400 | DWG | 0003 |

SCALE: NONE SIZE: A0 SHEET NO. 11 OF 34 REV. 01

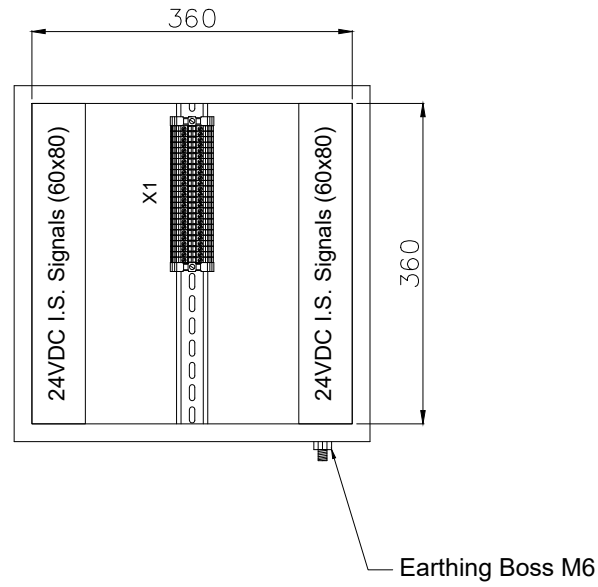
44AJB-80001B

INS:
Refer to comments on page 5.

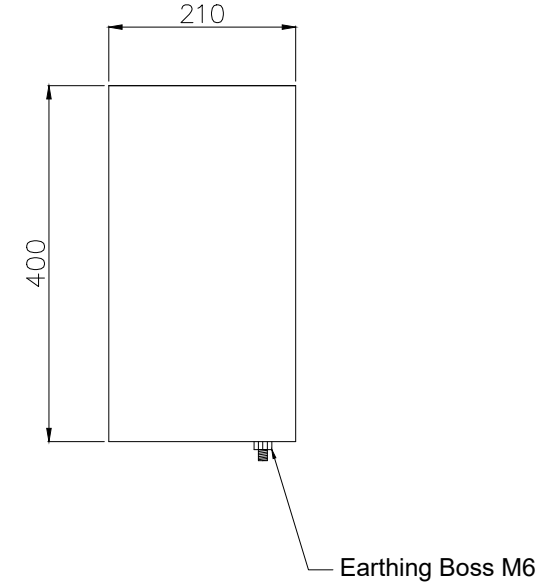
Front Side (Outside) View



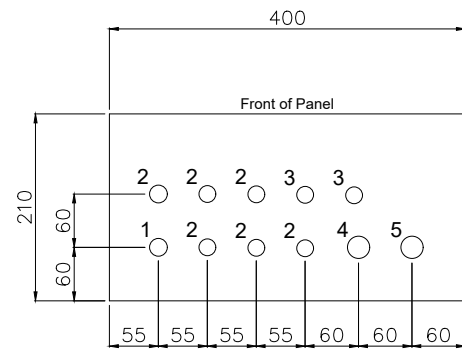
Front Side (Inside) View



Side (Outside) View



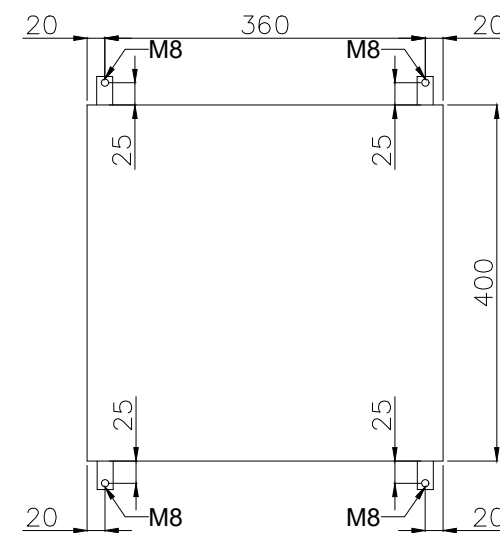
Bottom View



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: RAL5010 (BLUE) | |
| 4. PANEL WILL BE RIGHT HINGED | |
| 5. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e' | |
| 6. AMBIENT TEMPERATURE: 5°C/+48°C | |
| 7. INGRESS PROTECTION: IP65 | |
| 8. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY. | |
| 9. DIN RAIL TYPE: NS35 | |
| 10. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS. | |
| 11. SPARES WILL BE PLUGGED WITH SUS Ex PLUG | |
| 12. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS | |

| REFERENCE DRAWINGS | DWG.No. |
|--------------------|---------|
| xxxx | xxxx |

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA IAF 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. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 01 | 25/Apr/25 | ISSUE 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 44AJB-80001B

| 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. 01 | | | | |


| No. | Description | Tag Number | Make | Model | Qty. |
|---------------------------|---|------------|-----------------|-----------------|------|
| 1 | Ready Indication Lamp (Green) | 3H4 | Bartec | 07-3351-1420 | 1 |
| 2 | Running Indication Lamp (Green) | 3H6 | Bartec | 07-3351-1420 | 1 |
| 3 | Alarm Indication Lamp (Amber) | 3H8 | Bartec | 07-3351-1430 | 1 |
| 4 | Trip Lamp (Red) | 3H10 | Bartec | 07-3351-1410 | 1 |
| 5 | Start Pushbutton (Green) | 2S4 | Bartec | 07-3353-400 | 1 |
| 6 | Stop Pushbutton (Red) | 2S6 | Bartec | 07-3353-400 | 1 |
| 7 | Lamp Test Pushbutton (Black) | 2S8 | Bartec | 07-3353-400 | 1 |
| 8 | Selector Switch (Local/Off/Remote) | 2S10 | Bartec | 05-0003-001000 | 1 |
| 9 | Emergency Shutdown Pushbutton with Protective Cover | 4S4 | Bartec | 05-0003-00 0800 | 1 |
| Terminal Strip Definition | | | | | |
| X1 | Connection Pushbuttons | X1 | Phoenix Contact | 3044102 | 16 |
| X2 | Connection Lamps | X2 | Phoenix Contact | 3211760 | 16 |
| X9 | Connection ESD Pushbutton | X9 | Phoenix Contact | 3044102 | 16 |

| GENERAL NOTES | |
|---|---------|
| NOTES 1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM. | |
| REFERENCE DRAWINGS | DWG.No. |
| xxxx | xxxx |

| LEGEND | |
|--------|--|
| | |



| | | | | | |
|--|------------------------------|------------------------------|------------------------------|-----------------------------------|--------------------|
| RESULT CODE: | <input type="checkbox"/> AP | <input type="checkbox"/> AN | <input type="checkbox"/> CO | <input type="checkbox"/> RE | RESUBMISSION DATE: |
| NEXT STATUS: | <input type="checkbox"/> IFI | <input type="checkbox"/> IFA | <input type="checkbox"/> AFC | <input type="checkbox"/> 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.: | | | | | |
| | | | | | |
| | | | | | |
| 01 | 25/Apr/25 | ISSUE FOR APPROVAL | RT | RB | SC |
| 00 | 24/Mar/25 | ISSUED FOR APPROVAL | RT | RB | SC |
| REV. | DATE | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. AC. |

OWNER:





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


MC:

CONTRACTOR:

VENDOR:



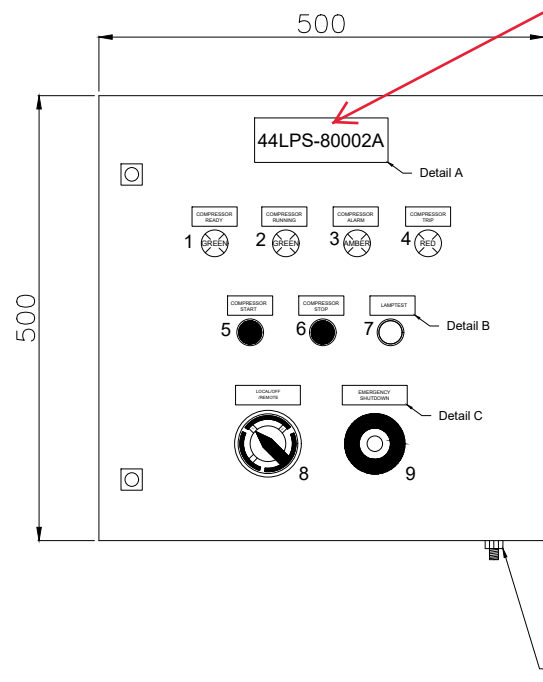
DRAWING TITLE:
PANEL LAYOUT DRAWING
BILL OF MATERIALS FOR
LOCAL CONTROL PANEL 44LPS-80002A
OWNER DOC. NO.

| | | | | | | | |
|-------------------|-------------|--------|-------------|------------|----------|------|------|
| 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. | 13 OF 34 | REV. | 01 |

44LPS-80002A

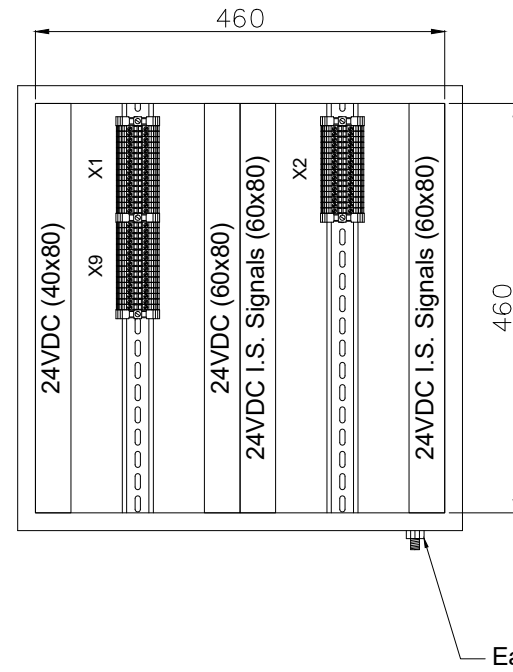
INS:
Refer to comments on page 4.

Front Side (Outside) View

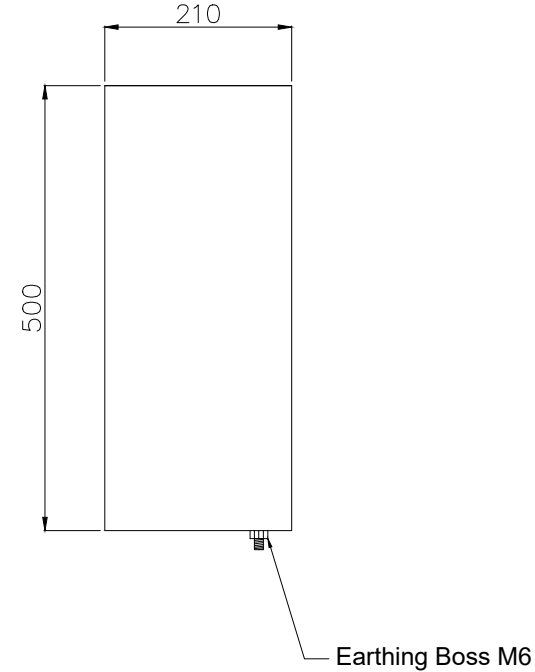


INS:
Tag number shall be "44LCP-8004031"

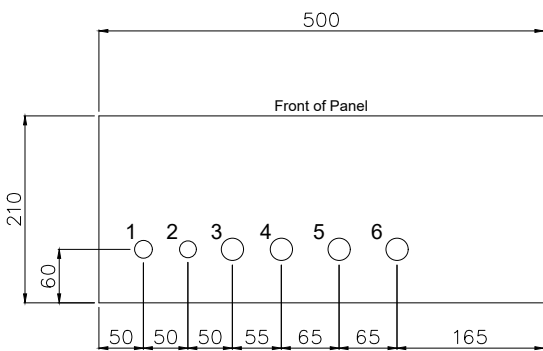
Front Side (Inside) View



Side (Outside) View



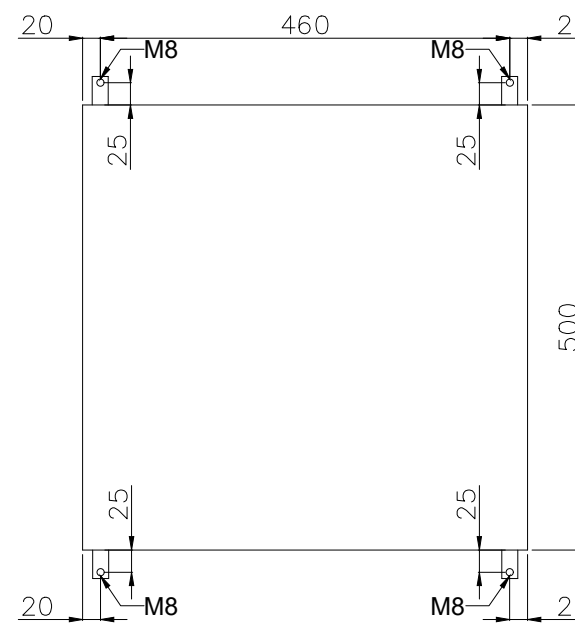
Bottom View



Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for Lamps)
4. M25 - 1x (Cable for Pushbuttons)
5. M25 - 1x (Cable for ESD Pushbutton)
6. M25 - 1x (Spare)

Back (Outside) View Mounting Details



| GENERAL NOTES | |
|--|--|
| NOTES | |
| 1. PANEL DIMENSIONS: 500x500x210mm | |
| 2. PANEL MATERIAL: SS316L STAINLESS STEEL | |
| 3. PANEL COLOR: RAL7035 (GRAY) | |
| 4. PANEL WILL BE RIGHT HINGED | |
| 5. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e' | |
| 6. AMBIENT TEMPERATURE: 5°C/+48°C | |
| 7. INGRESS PROTECTION: IP65 | |
| 8. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY. | |
| 9. DIN RAIL TYPE: NS35 | |
| 10. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS. | |
| 11. SPARES WILL BE PLUGGED WITH SUS Ex PLUG | |
| 12. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS | |

| REFERENCE DRAWINGS | DWG.No. |
|--------------------|---------|
| xxxx | xxxx |

LEGEND

| | | | | | |
|--------------|------------------------------|------------------------------|------------------------------|----------------------------------|--------------------|
| RESULT CODE: | <input type="checkbox"/> AP | <input type="checkbox"/> AN | <input type="checkbox"/> CO | <input type="checkbox"/> RE | RESUBMISSION DATE: |
| NEXT STATUS: | <input type="checkbox"/> IFI | <input type="checkbox"/> IFA | <input type="checkbox"/> JFC | <input type="checkbox"/> ASB/FIN | |

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. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 01 | 25/Apr/25 | ISSUE FOR APPROVAL | | | | |
| 00 | 24/Mar/25 | ISSUED FOR APPROVAL | | | | |



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



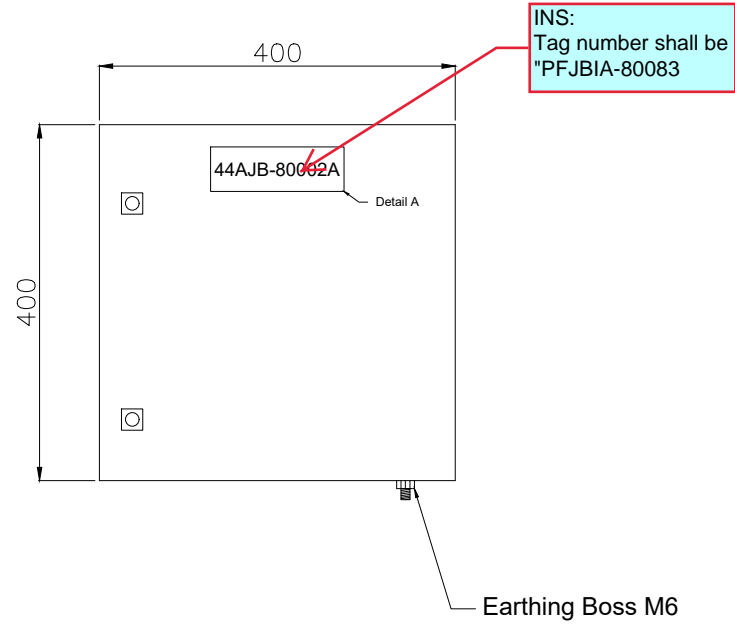
DRAWING TITLE:
PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44LPS-80002A

| 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. | 01 |

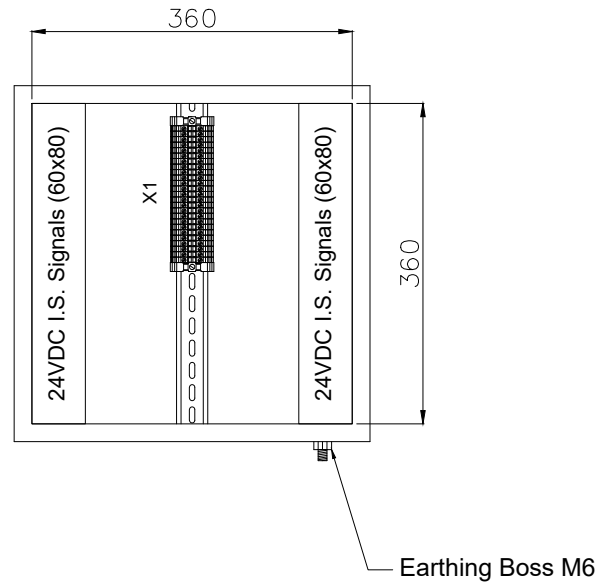
44AJB-80002A

INS:
Refer to comments on page 5.

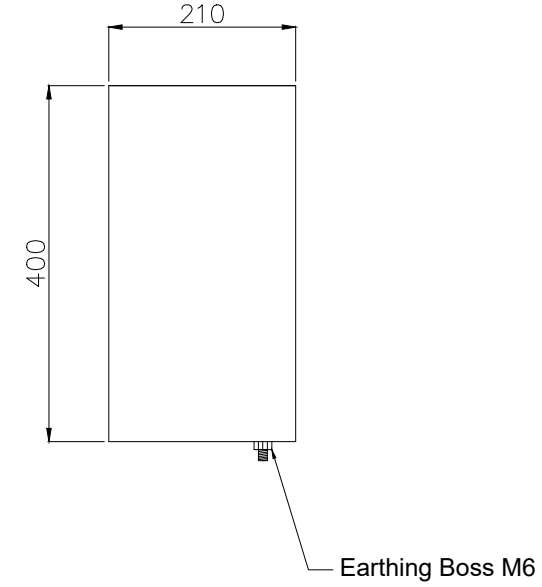
Front Side (Outside) View



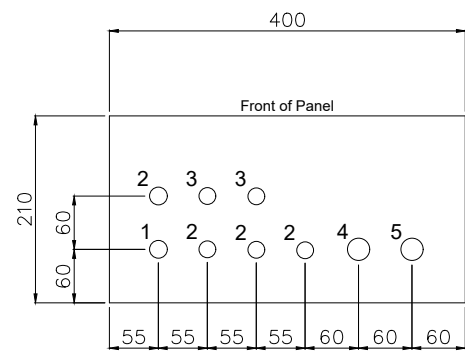
Front Side (Inside) View



Side (Outside) View



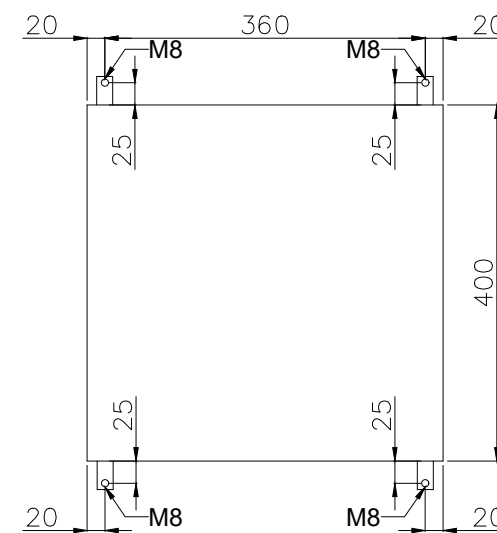
Bottom View



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: RAL5010 (BLUE) | |
| 4. PANEL WILL BE RIGHT HINGED | |
| 5. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e' | |
| 6. AMBIENT TEMPERATURE: 5°C/+48°C | |
| 7. INGRESS PROTECTION: IP65 | |
| 8. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY. | |
| 9. DIN RAIL TYPE: NS35 | |
| 10. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS. | |
| 11. SPARES WILL BE PLUGGED WITH SUS Ex PLUG | |
| 12. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS | |

| REFERENCE DRAWINGS | DWG.No. |
|--------------------|---------|
| xxxx | xxxx |

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA IAF 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. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 01 | 25/Apr/25 | ISSUE 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)



CONTRACTOR: SAZEH CONSULTANTS
VENDOR: DYPNF

DRAWING TITLE:
PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44AJB-80002A

| 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. 01


| No. | Description | Tag Number | Make | Model | Qty. |
|---------------------------|---|------------|-----------------|-----------------|------|
| 1 | Ready Indication Lamp (Green) | 3H4 | Bartec | 07-3351-1420 | 1 |
| 2 | Running Indication Lamp (Green) | 3H6 | Bartec | 07-3351-1420 | 1 |
| 3 | Alarm Indication Lamp (Amber) | 3H8 | Bartec | 07-3351-1430 | 1 |
| 4 | Trip Lamp (Red) | 3H10 | Bartec | 07-3351-1410 | 1 |
| 5 | Start Pushbutton (Green) | 2S4 | Bartec | 07-3353-400 | 1 |
| 6 | Stop Pushbutton (Red) | 2S6 | Bartec | 07-3353-400 | 1 |
| 7 | Lamp Test Pushbutton (Black) | 2S8 | Bartec | 07-3353-400 | 1 |
| 8 | Selector Switch (Local/Off/Remote) | 2S10 | Bartec | 05-0003-001000 | 1 |
| 9 | Emergency Shutdown Pushbutton with Protective Cover | 4S4 | Bartec | 05-0003-00 0800 | 1 |
| Terminal Strip Definition | | | | | |
| X1 | Connection Pushbuttons | X1 | Phoenix Contact | 3044102 | 16 |
| X2 | Connection Lamps | X2 | Phoenix Contact | 3211760 | 16 |
| X9 | Connection ESD Pushbutton | X9 | Phoenix Contact | 3044102 | 16 |

| GENERAL NOTES | |
|---|---------|
| NOTES 1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM. | |
| REFERENCE DRAWINGS | DWG.No. |
| xxxx | xxxx |

| LEGEND | |
|--------|--|
| | |



| | | | | | |
|--|------------------------------|------------------------------|------------------------------|-----------------------------------|--------------------|
| RESULT CODE: | <input type="checkbox"/> AP | <input type="checkbox"/> AN | <input type="checkbox"/> CO | <input type="checkbox"/> RE | RESUBMISSION DATE: |
| NEXT STATUS: | <input type="checkbox"/> IFI | <input type="checkbox"/> IFA | <input type="checkbox"/> AFC | <input type="checkbox"/> 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.: | | | | | |
| | | | | | |
| | | | | | |
| 01 | 25/Apr/25 | ISSUE FOR APPROVAL | RT | RB | SC - |
| 00 | 24/Mar/25 | ISSUED FOR APPROVAL | RT | RB | SC - |
| REV. | DATE | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. AC. |

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 44LPS-80002B
OWNER DOC. NO.

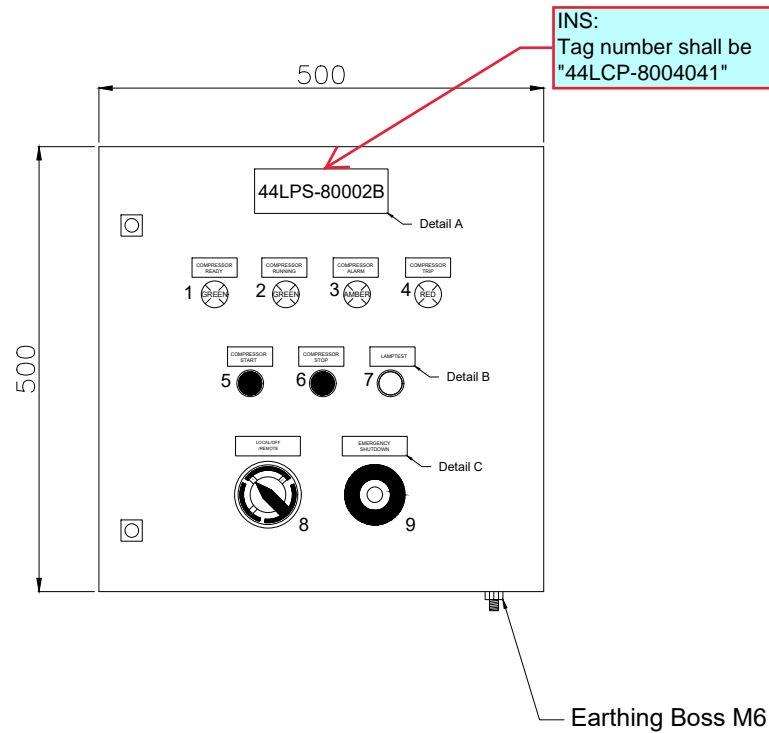
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|-------------------|-------------|--------|-------------|------------|----------|------|------|
| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
| 3944 | VD | 0171 | DYP | RE | 400 | DWG | 0003 |
| SCALE: | NONE | SIZE: | A0 | SHEET NO. | 16 OF 34 | REV. | 01 |

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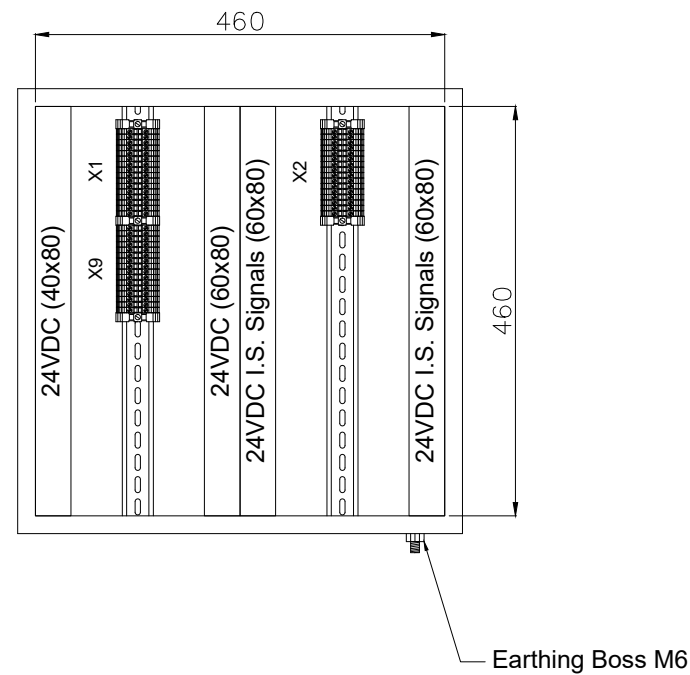
44LPS-80002B

INS:
Refer to comments on page 4.

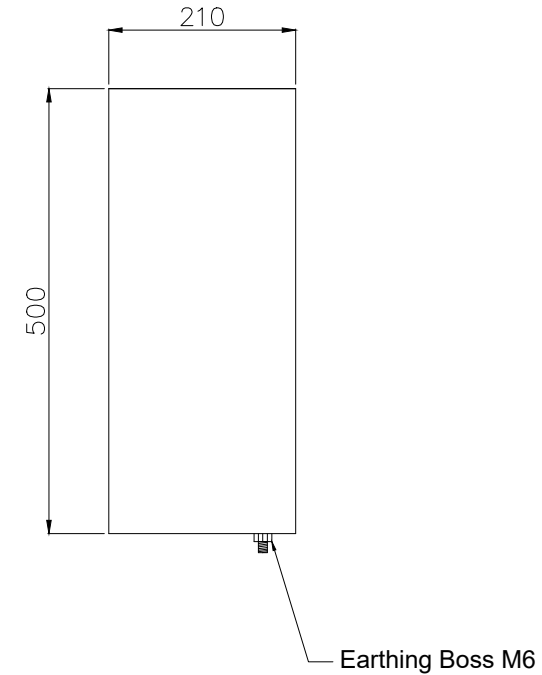
Front Side (Outside) View



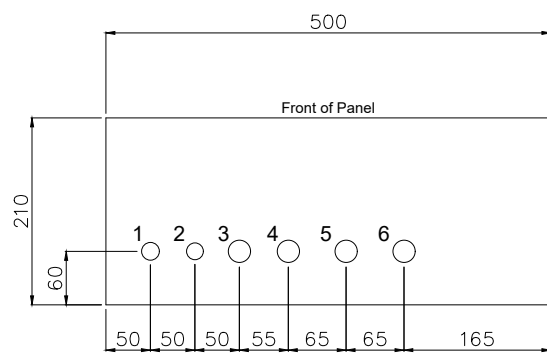
Front Side (Inside) View



Side (Outside) View



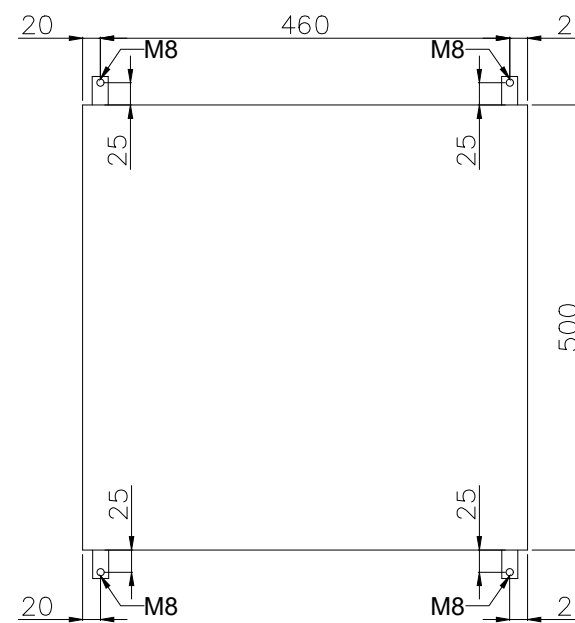
Bottom View



Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for Lamps)
4. M25 - 1x (Cable for Pushbuttons)
5. M25 - 1x (Cable for ESD Pushbutton)
6. M25 - 1x (Spare)

Back (Outside) View Mounting Details



| GENERAL NOTES | |
|--|--|
| NOTES | |
| 1. PANEL DIMENSIONS: 500x500x210mm | |
| 2. PANEL MATERIAL: SS316L STAINLESS STEEL | |
| 3. PANEL COLOR: RAL7035 (GRAY) | |
| 4. PANEL WILL BE RIGHT HINGED | |
| 5. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e' | |
| 6. AMBIENT TEMPERATURE: 5°C/+48°C | |
| 7. INGRESS PROTECTION: IP65 | |
| 8. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY. | |
| 9. DIN RAIL TYPE: NS35 | |
| 10. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS. | |
| 11. SPARES WILL BE PLUGGED WITH SUS Ex PLUG | |
| 12. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS | |

| REFERENCE DRAWINGS | DWG.No. |
|--------------------|---------|
| xxxx | xxxx |

| LEGEND | |
|--------|--|
| | |

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA IFC 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. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 01 | 25/Apr/25 | ISSUE 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 پارس پتروشیمی

CONTRACTOR: SAZEH CONSULTANTS
VENDOR: DYPNF

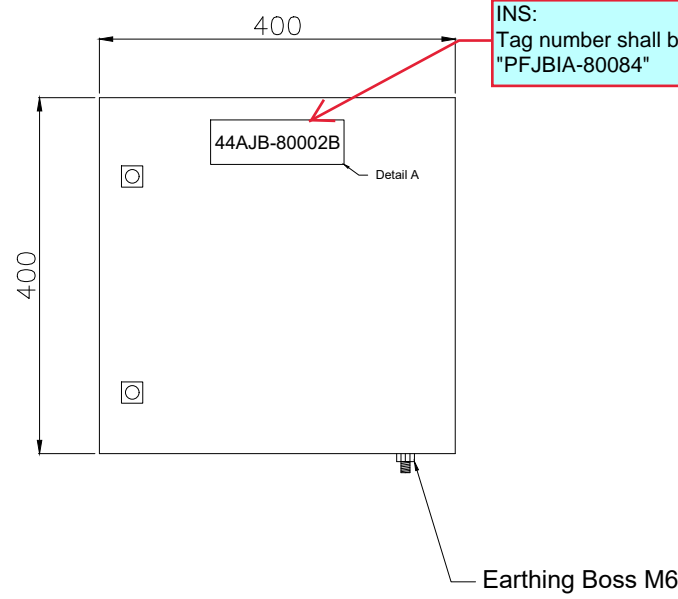
DRAWING TITLE:
PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44LPS-80002B

| 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. 01 | | | |

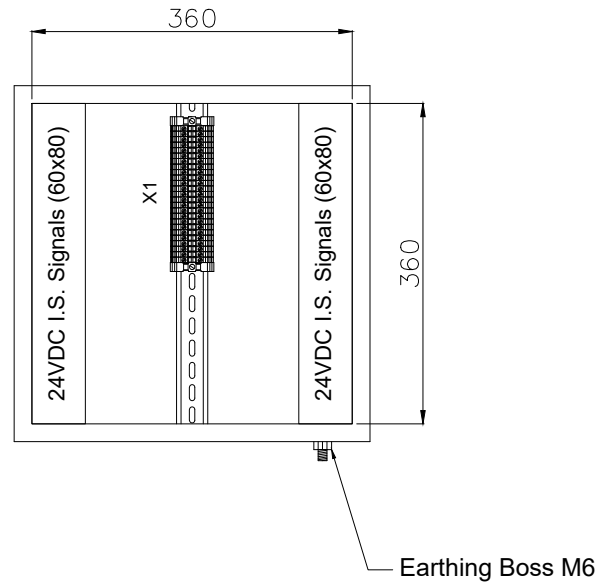
44AJB-80002B

INS:
Refer to comments on page 5.

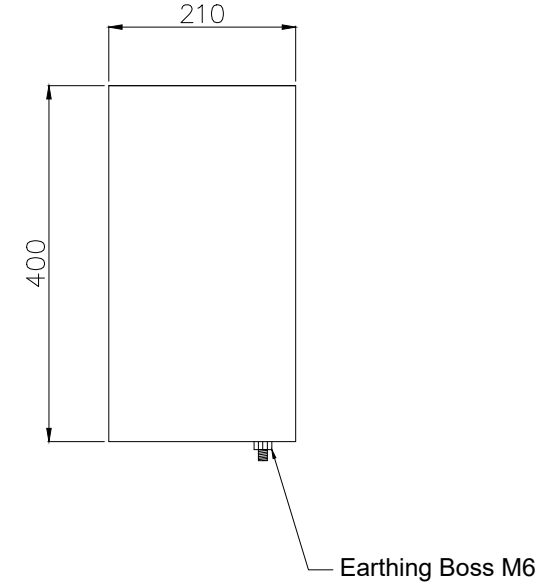
Front Side (Outside) View



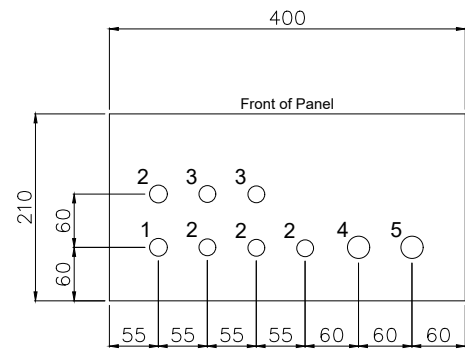
Front Side (Inside) View



Side (Outside) View



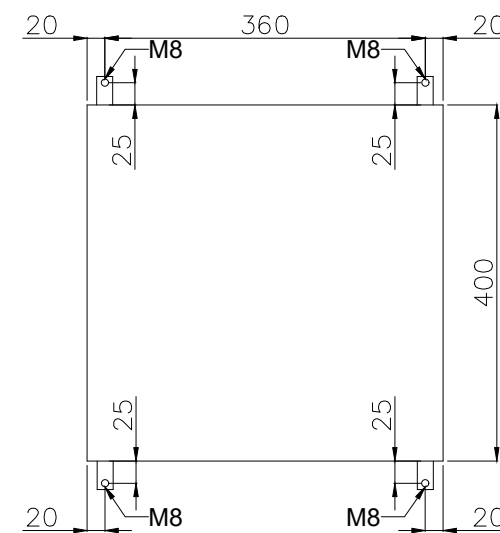
Bottom View



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: RAL5010 (BLUE) | |
| 4. PANEL WILL BE RIGHT HINGED | |
| 5. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e' | |
| 6. AMBIENT TEMPERATURE: 5°C/+48°C | |
| 7. INGRESS PROTECTION: IP65 | |
| 8. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY. | |
| 9. DIN RAIL TYPE: NS35 | |
| 10. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS. | |
| 11. SPARES WILL BE PLUGGED WITH SUS Ex PLUG | |
| 12. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS | |

| REFERENCE DRAWINGS | DWG.No. |
|--------------------|---------|
| xxxx | xxxx |

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA IAF 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. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 01 | 25/Apr/25 | ISSUE 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)



DRAWING TITLE:
PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44AJB-80002B

| 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. 01


| No. | Description | Tag Number | Make | Model | Qty. |
|---------------------------|---|------------|-----------------|-----------------|------|
| 1 | Ready Indication Lamp (Green) | 3H4 | Bartec | 07-3351-1420 | 1 |
| 2 | Running Indication Lamp (Green) | 3H6 | Bartec | 07-3351-1420 | 1 |
| 3 | Alarm Indication Lamp (Amber) | 3H8 | Bartec | 07-3351-1430 | 1 |
| 4 | Trip Lamp (Red) | 3H10 | Bartec | 07-3351-1410 | 1 |
| 5 | Start Pushbutton (Green) | 2S4 | Bartec | 07-3353-400 | 1 |
| 6 | Stop Pushbutton (Red) | 2S6 | Bartec | 07-3353-400 | 1 |
| 7 | Lamp Test Pushbutton (Black) | 2S8 | Bartec | 07-3353-400 | 1 |
| 8 | Selector Switch (Local/Off/Remote) | 2S10 | Bartec | 05-0003-001000 | 1 |
| 9 | Emergency Shutdown Pushbutton with Protective Cover | 4S4 | Bartec | 05-0003-00 0800 | 1 |
| Terminal Strip Definition | | | | | |
| X1 | Connection Pushbuttons | X1 | Phoenix Contact | 3044102 | 16 |
| X2 | Connection Lamps | X2 | Phoenix Contact | 3211760 | 16 |
| X9 | Connection ESD Pushbutton | X9 | Phoenix Contact | 3044102 | 16 |

| GENERAL NOTES | |
|---|---------|
| NOTES 1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM. | |
| REFERENCE DRAWINGS | DWG.No. |
| xxxx | xxxx |

| LEGEND | |
|--------|--|
| | |



| | | | | | |
|--|------------------------------|------------------------------|------------------------------|-----------------------------------|--------------------|
| RESULT CODE: | <input type="checkbox"/> AP | <input type="checkbox"/> AN | <input type="checkbox"/> CO | <input type="checkbox"/> RE | RESUBMISSION DATE: |
| NEXT STATUS: | <input type="checkbox"/> IFI | <input type="checkbox"/> IFA | <input type="checkbox"/> AFC | <input type="checkbox"/> 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.: | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 01 | 25/Apr/25 | ISSUE FOR APPROVAL | RT | RB | SC |
| 00 | 24/Mar/25 | ISSUED FOR APPROVAL | RT | RB | SC |
| REV. | DATE | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. |

OWNER:





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


MC:

CONTRACTOR:

VENDOR:



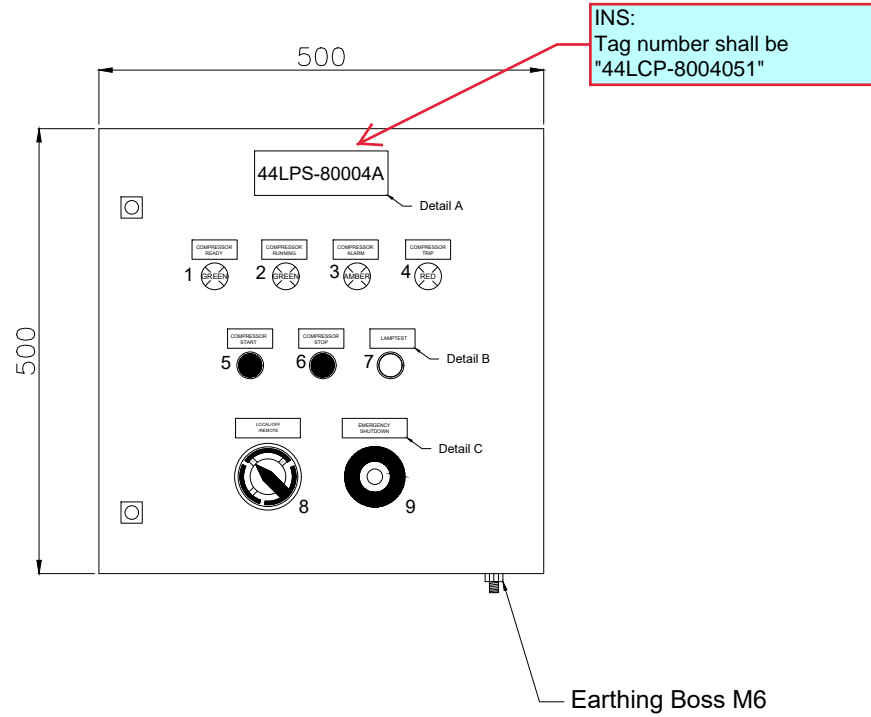
DRAWING TITLE:
PANEL LAYOUT DRAWING
BILL OF MATERIALS FOR
LOCAL CONTROL PANEL 44LPS-80004A
OWNER DOC. NO.

| | | | | | | | |
|-------------------|-------------|--------|-------------|------------|----------|------|------|
| 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. | 19 OF 34 | REV. | 01 |

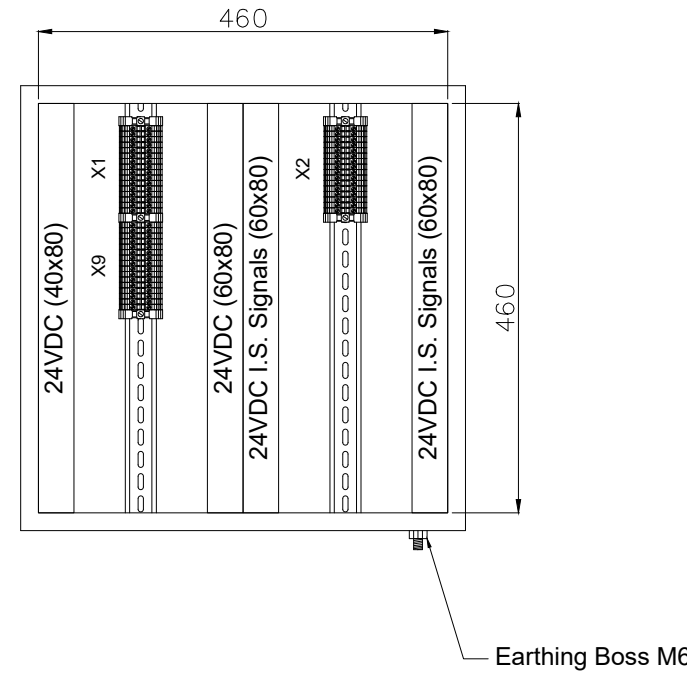
44LPS-80004A

INS:
Refer to comments on page 4.

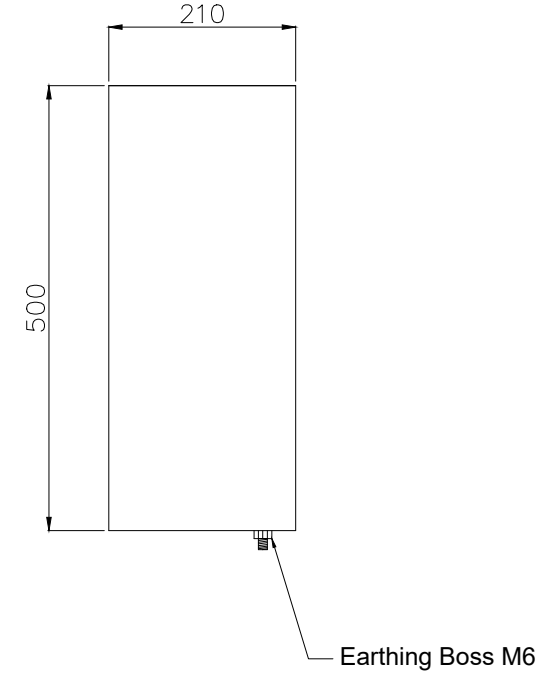
Front Side (Outside) View



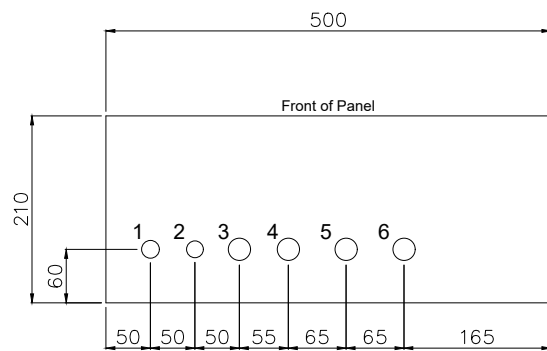
Front Side (Inside) View



Side (Outside) View



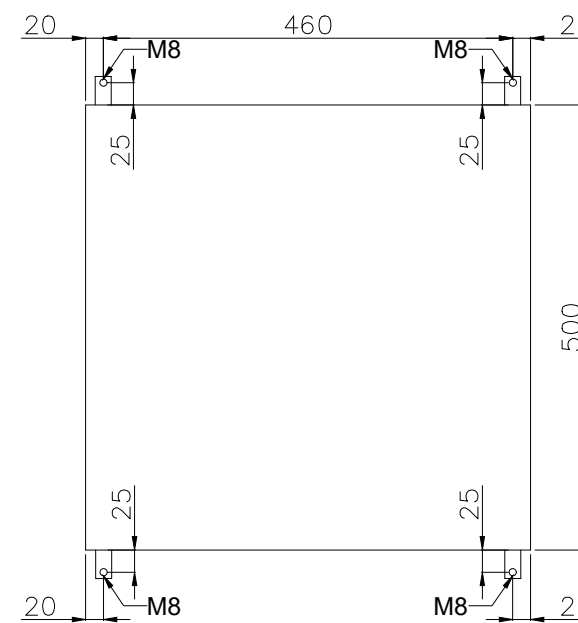
Bottom View



Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for Lamps)
4. M25 - 1x (Cable for Pushbuttons)
5. M25 - 1x (Cable for ESD Pushbutton)
6. M25 - 1x (Spare)

Back (Outside) View Mounting Details



| GENERAL NOTES | |
|--|--|
| NOTES | |
| 1. PANEL DIMENSIONS: 500x500x210mm | |
| 2. PANEL MATERIAL: SS316L STAINLESS STEEL | |
| 3. PANEL COLOR: RAL7035 (GRAY) | |
| 4. PANEL WILL BE RIGHT HINGED | |
| 5. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e' | |
| 6. AMBIENT TEMPERATURE: 5°C/+48°C | |
| 7. INGRESS PROTECTION: IP65 | |
| 8. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY. | |
| 9. DIN RAIL TYPE: NS35 | |
| 10. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS. | |
| 11. SPARES WILL BE PLUGGED WITH SUS Ex PLUG | |
| 12. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS | |

| REFERENCE DRAWINGS | DWG.No. |
|--------------------|---------|
| xxxx | xxxx |

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA IAF ASB/FIN

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. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 01 | 25/Apr/25 | ISSUE 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)



DRAWING TITLE:
PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44LPS-80004A

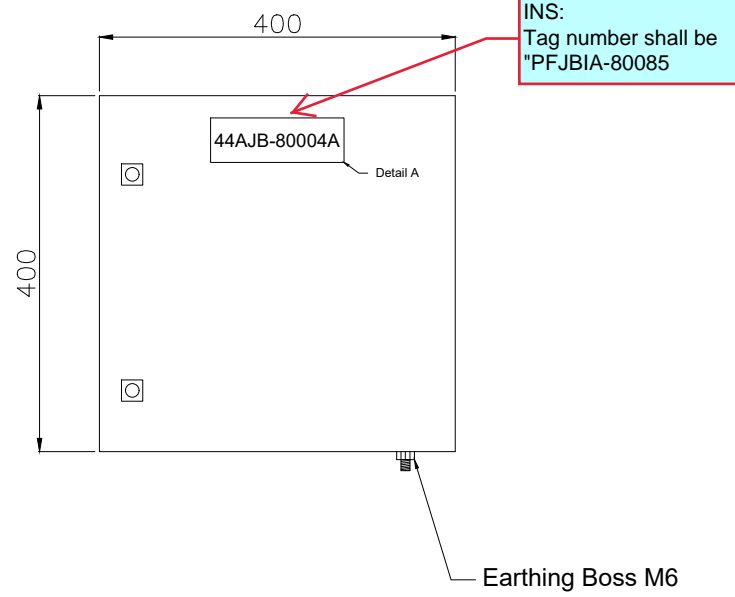
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|-------------------|-------------|--------|-------------|------------|------|------|------|
| 3944 | VD | 0171 | DYP | RE | 400 | DWG | 0003 |

SCALE: NONE SIZE: A0 SHEET NO. 20 OF 34 REV. 01

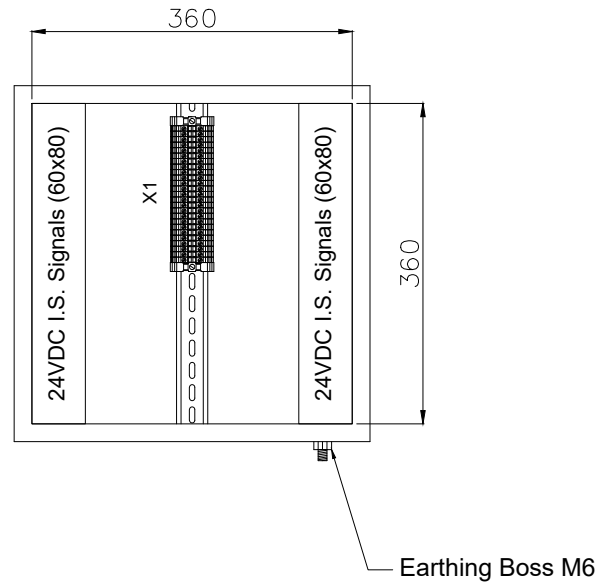
44AJB-80004A

INS:
Refer to comments on page 5.

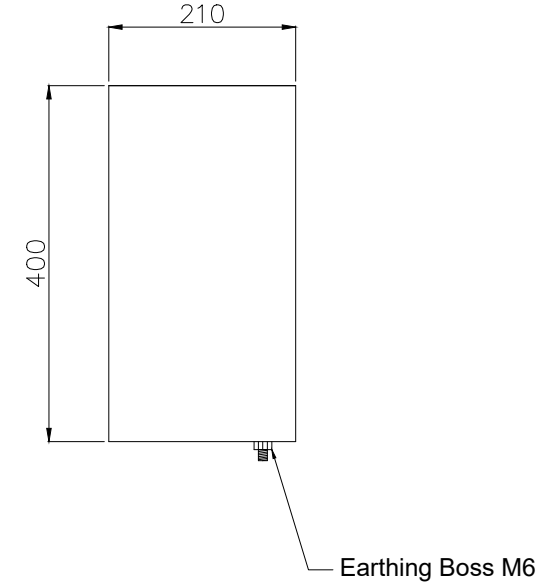
Front Side (Outside) View



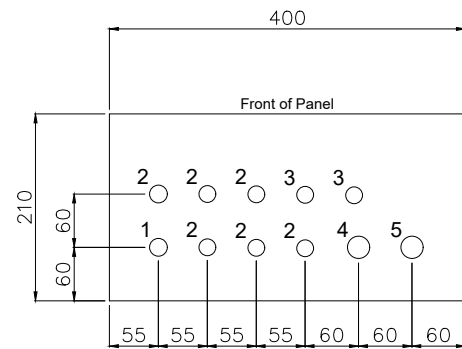
Front Side (Inside) View



Side (Outside) View



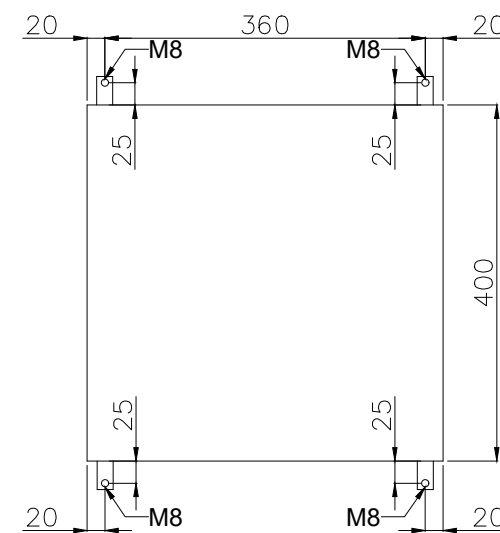
Bottom View



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: RAL5010 (BLUE) | |
| 4. PANEL WILL BE RIGHT HINGED | |
| 5. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e' | |
| 6. AMBIENT TEMPERATURE: 5°C/+48°C | |
| 7. INGRESS PROTECTION: IP65 | |
| 8. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY. | |
| 9. DIN RAIL TYPE: NS35 | |
| 10. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS. | |
| 11. SPARES WILL BE PLUGGED WITH SUS Ex PLUG | |
| 12. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS | |

| REFERENCE DRAWINGS | DWG.No. |
|--------------------|---------|
| xxxx | xxxx |

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA IAF 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. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 01 | 25/Apr/25 | ISSUE 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 44AJB-80004A

| 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. 01 | | | |


| No. | Description | Tag Number | Make | Model | Qty. |
|---------------------------|---|------------|-----------------|-----------------|------|
| 1 | Ready Indication Lamp (Green) | 3H4 | Bartec | 07-3351-1420 | 1 |
| 2 | Running Indication Lamp (Green) | 3H6 | Bartec | 07-3351-1420 | 1 |
| 3 | Alarm Indication Lamp (Amber) | 3H8 | Bartec | 07-3351-1430 | 1 |
| 4 | Trip Lamp (Red) | 3H10 | Bartec | 07-3351-1410 | 1 |
| 5 | Start Pushbutton (Green) | 2S4 | Bartec | 07-3353-400 | 1 |
| 6 | Stop Pushbutton (Red) | 2S6 | Bartec | 07-3353-400 | 1 |
| 7 | Lamp Test Pushbutton (Black) | 2S8 | Bartec | 07-3353-400 | 1 |
| 8 | Selector Switch (Local/Off/Remote) | 2S10 | Bartec | 05-0003-001000 | 1 |
| 9 | Emergency Shutdown Pushbutton with Protective Cover | 4S4 | Bartec | 05-0003-00 0800 | 1 |
| Terminal Strip Definition | | | | | |
| X1 | Connection Pushbuttons | X1 | Phoenix Contact | 3044102 | 16 |
| X2 | Connection Lamps | X2 | Phoenix Contact | 3211760 | 16 |
| X9 | Connection ESD Pushbutton | X9 | Phoenix Contact | 3044102 | 16 |

| GENERAL NOTES | |
|---|---------|
| NOTES 1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM. | |
| REFERENCE DRAWINGS | DWG.No. |
| xxxx | xxxx |

| LEGEND | |
|--------|--|
| | |



| | | | | | |
|--|------------------------------|------------------------------|------------------------------|-----------------------------------|--------------------|
| RESULT CODE: | <input type="checkbox"/> AP | <input type="checkbox"/> AN | <input type="checkbox"/> CO | <input type="checkbox"/> RE | RESUBMISSION DATE: |
| NEXT STATUS: | <input type="checkbox"/> IFI | <input type="checkbox"/> IFA | <input type="checkbox"/> AFC | <input type="checkbox"/> 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.: | | | | | |
| | | | | | |
| | | | | | |
| 01 | 25/Apr/25 | ISSUE FOR APPROVAL | RT | RB | SC |
| 00 | 24/Mar/25 | ISSUED FOR APPROVAL | RT | RB | SC |
| REV. | DATE | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. AC. |

OWNER:

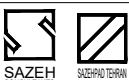



PROJECT:
300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)


MC:

CONTRACTOR:

VENDOR:



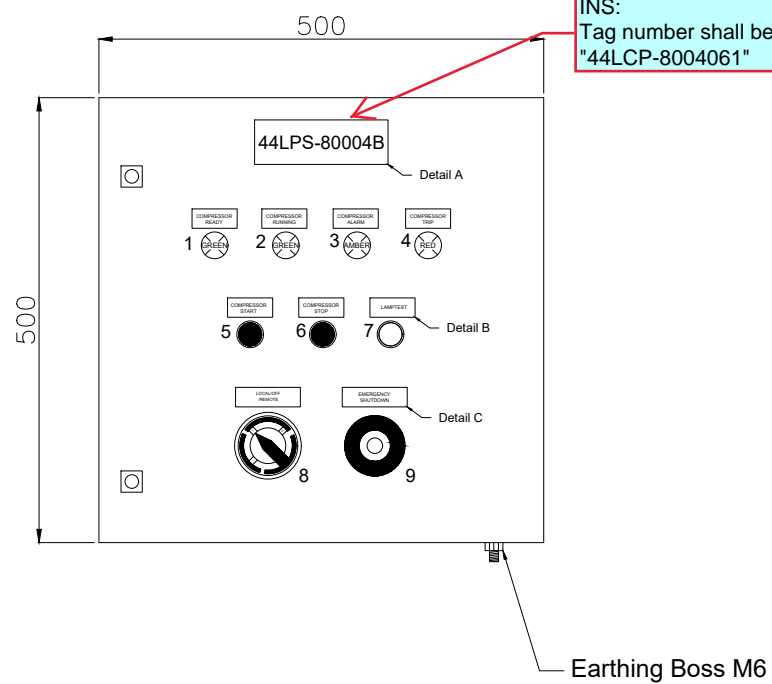
DRAWING TITLE:
PANEL LAYOUT DRAWING
BILL OF MATERIALS FOR
LOCAL CONTROL PANEL 44LPS-80004B
OWNER DOC. NO.

| | | | | | | | |
|-------------------|-------------|--------|-------------|------------|----------|------|------|
| 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. | 22 OF 34 | REV. | 01 |

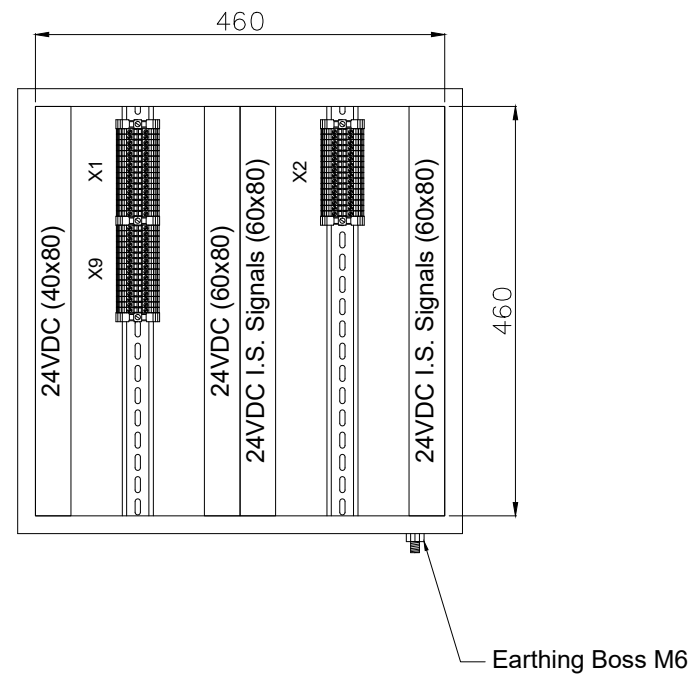
44LPS-80004B

INS:
Refer to comments on page 4.

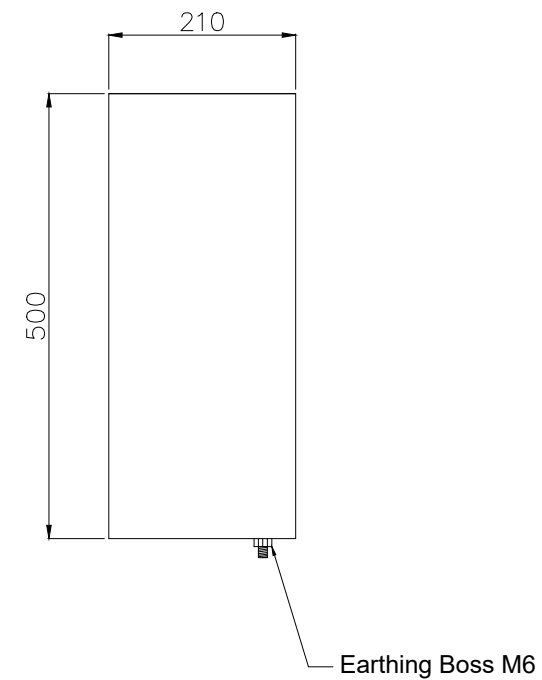
Front Side (Outside) View



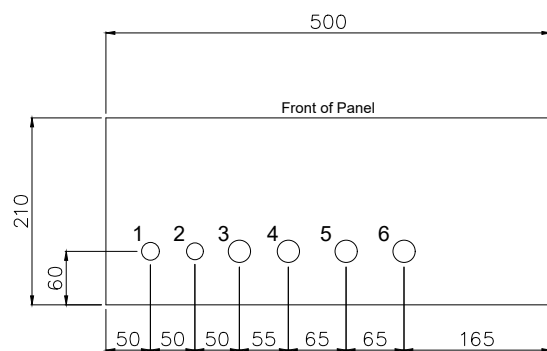
Front Side (Inside) View



Side (Outside) View



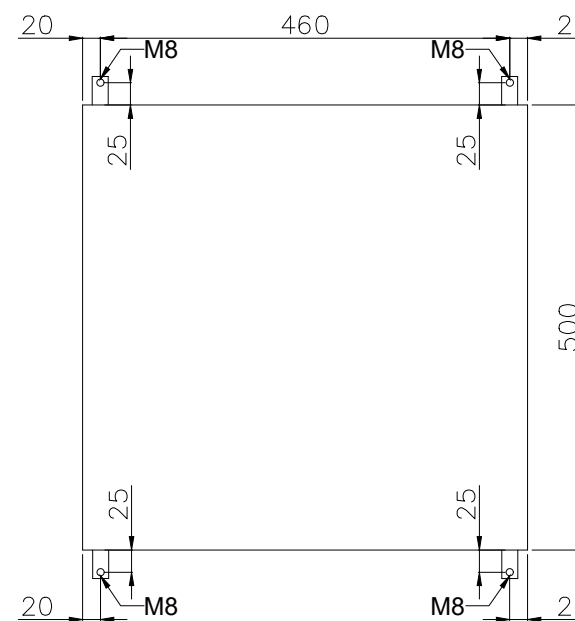
Bottom View



Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for Lamps)
4. M25 - 1x (Cable for Pushbuttons)
5. M25 - 1x (Cable for ESD Pushbutton)
6. M25 - 1x (Spare)

Back (Outside) View Mounting Details



| GENERAL NOTES | |
|--|--|
| NOTES | |
| 1. PANEL DIMENSIONS: 500x500x210mm | |
| 2. PANEL MATERIAL: SS316L STAINLESS STEEL | |
| 3. PANEL COLOR: RAL7035 (GRAY) | |
| 4. PANEL WILL BE RIGHT HINGED | |
| 5. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e' | |
| 6. AMBIENT TEMPERATURE: 5°C/+48°C | |
| 7. INGRESS PROTECTION: IP65 | |
| 8. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY. | |
| 9. DIN RAIL TYPE: NS35 | |
| 10. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS. | |
| 11. SPARES WILL BE PLUGGED WITH SUS Ex PLUG | |
| 12. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS | |

| REFERENCE DRAWINGS | DWG.No. |
|--------------------|---------|
| xxxx | xxxx |

| LEGEND | |
|--------|--|
| | |

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA IAF 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. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 01 | 25/Apr/25 | ISSUE 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)



DRAWING TITLE:
PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44LPS-80004B

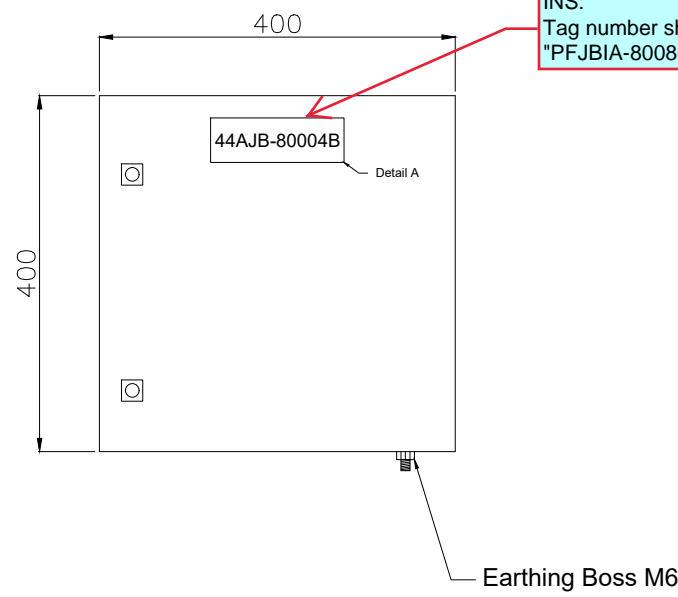
| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
|-------------------|-------------|--------|-------------|------------|------|------|------|
| 3944 | VD | 0171 | DYP | RE | 400 | DWG | 0003 |

SCALE: NONE SIZE: A0 SHEET NO. 23 OF 34 REV. 01

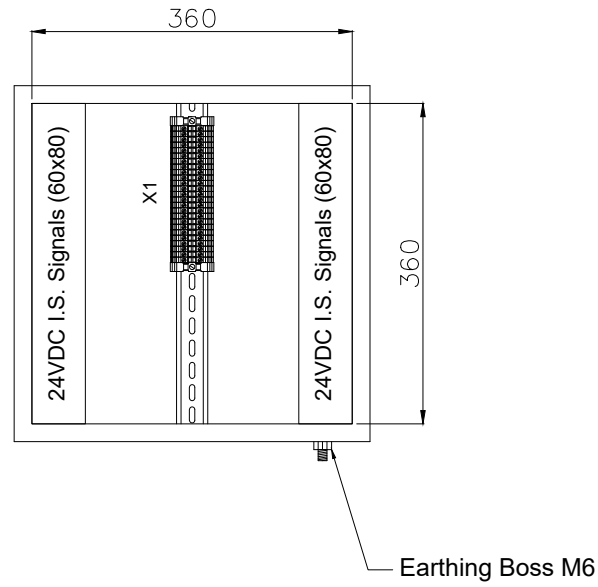
44AJB-80004B

INS:
Refer to comments on page 5.

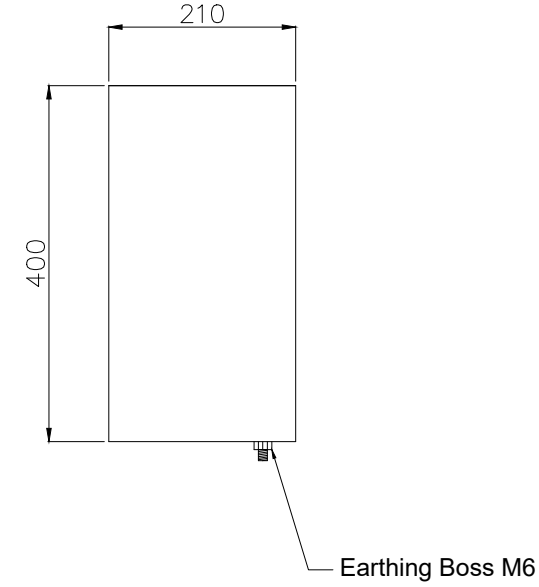
Front Side (Outside) View



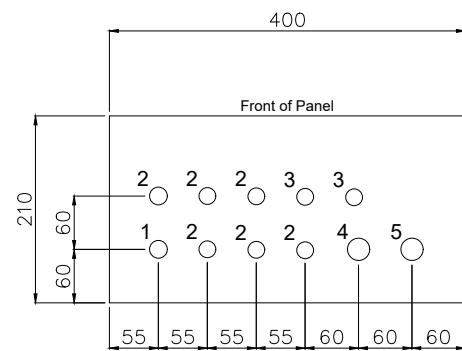
Front Side (Inside) View



Side (Outside) View



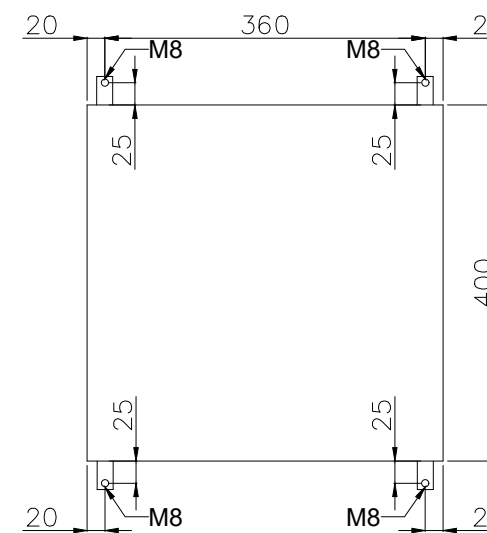
Bottom View



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: RAL5010 (BLUE) | |
| 4. PANEL WILL BE RIGHT HINGED | |
| 5. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e' | |
| 6. AMBIENT TEMPERATURE: 5°C/+48°C | |
| 7. INGRESS PROTECTION: IP65 | |
| 8. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY. | |
| 9. DIN RAIL TYPE: NS35 | |
| 10. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS. | |
| 11. SPARES WILL BE PLUGGED WITH SUS Ex PLUG | |
| 12. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS | |

| REFERENCE DRAWINGS | DWG.No. |
|--------------------|---------|
| xxxx | xxxx |

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA IAF 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. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 01 | 25/Apr/25 | ISSUE 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)



DRAWING TITLE:
PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44AJB-80004B

| 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. 01 | | | |


| No. | Description | Tag Number | Make | Model | Qty. |
|---------------------------|---|------------|-----------------|-----------------|------|
| 1 | Ready Indication Lamp (Green) | 3H4 | Bartec | 07-3351-1420 | 1 |
| 2 | Running Indication Lamp (Green) | 3H6 | Bartec | 07-3351-1420 | 1 |
| 3 | Alarm Indication Lamp (Amber) | 3H8 | Bartec | 07-3351-1430 | 1 |
| 4 | Trip Lamp (Red) | 3H10 | Bartec | 07-3351-1410 | 1 |
| 5 | Start Pushbutton (Green) | 2S4 | Bartec | 07-3353-400 | 1 |
| 6 | Stop Pushbutton (Red) | 2S6 | Bartec | 07-3353-400 | 1 |
| 7 | Lamp Test Pushbutton (Black) | 2S8 | Bartec | 07-3353-400 | 1 |
| 8 | Selector Switch (Local/Off/Remote) | 2S10 | Bartec | 05-0003-001000 | 1 |
| 9 | Emergency Shutdown Pushbutton with Protective Cover | 4S4 | Bartec | 05-0003-00 0800 | 1 |
| Terminal Strip Definition | | | | | |
| X1 | Connection Pushbuttons | X1 | Phoenix Contact | 3044102 | 16 |
| X2 | Connection Lamps | X2 | Phoenix Contact | 3211760 | 16 |
| X9 | Connection ESD Pushbutton | X9 | Phoenix Contact | 3044102 | 16 |

| GENERAL NOTES | |
|---|---------|
| NOTES 1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM. | |
| REFERENCE DRAWINGS | DWG.No. |
| xxxx | xxxx |

| LEGEND | |
|--------|--|
| | |



| | | | | | |
|--|------------------------------|------------------------------|------------------------------|-----------------------------------|--------------------|
| RESULT CODE: | <input type="checkbox"/> AP | <input type="checkbox"/> AN | <input type="checkbox"/> CO | <input type="checkbox"/> RE | RESUBMISSION DATE: |
| NEXT STATUS: | <input type="checkbox"/> IFI | <input type="checkbox"/> IFA | <input type="checkbox"/> AFC | <input type="checkbox"/> 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.: | | | | | |
| | | | | | |
| | | | | | |
| 01 | 25/Apr/25 | ISSUE FOR APPROVAL | RT | RB | SC |
| 00 | 24/Mar/25 | ISSUED FOR APPROVAL | RT | RB | SC |
| REV. | DATE | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. AC. |

OWNER:

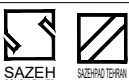



PROJECT:
300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)


MC:

CONTRACTOR:

VENDOR:



DRAWING TITLE:
PANEL LAYOUT DRAWING
BILL OF MATERIALS FOR
LOCAL CONTROL PANEL 44LPS-80005A
OWNER DOC. NO.

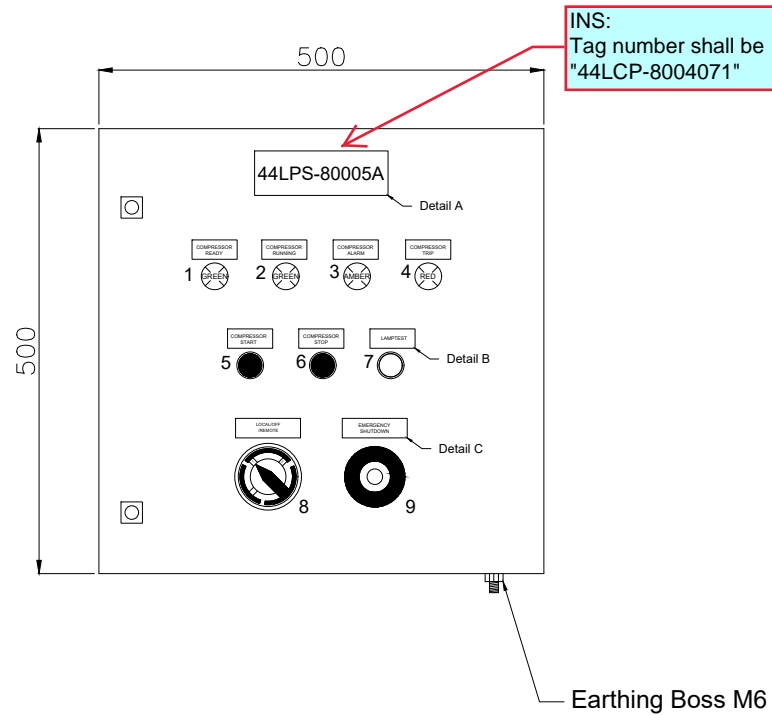
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|-------------------|-------------|--------|-------------|------------|----------|------|------|
| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
| 3944 | VD | 0171 | DYP | RE | 400 | DWG | 0003 |
| SCALE: | NONE | SIZE: | A0 | SHEET NO. | 25 OF 34 | REV. | 01 |

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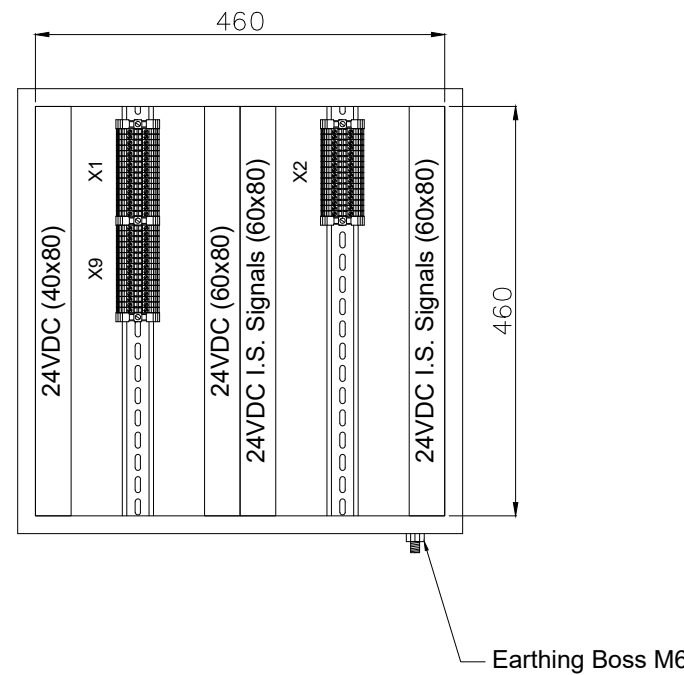
44LPS-80005A

INS:
Refer to comments on page 4.

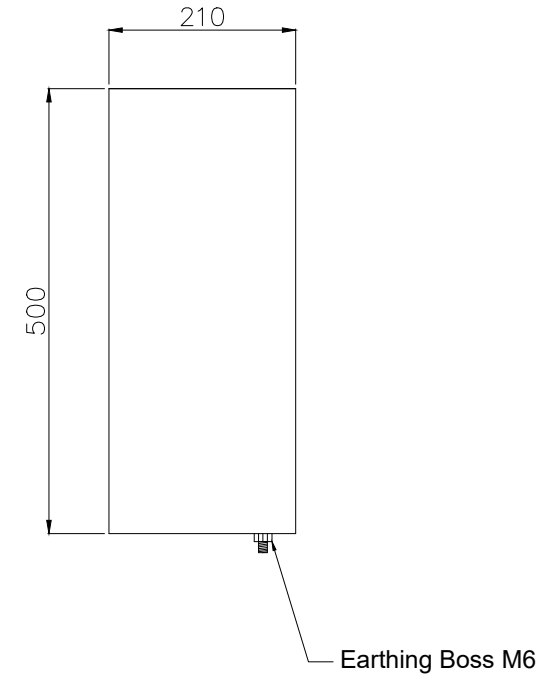
Front Side (Outside) View



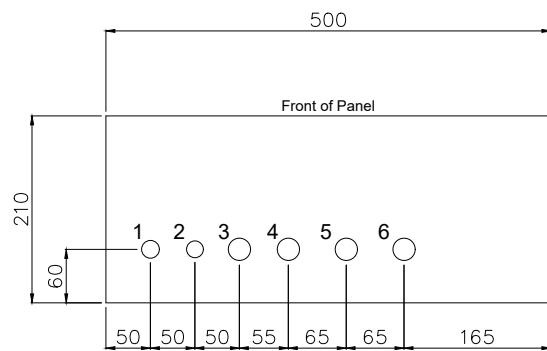
Front Side (Inside) View



Side (Outside) View



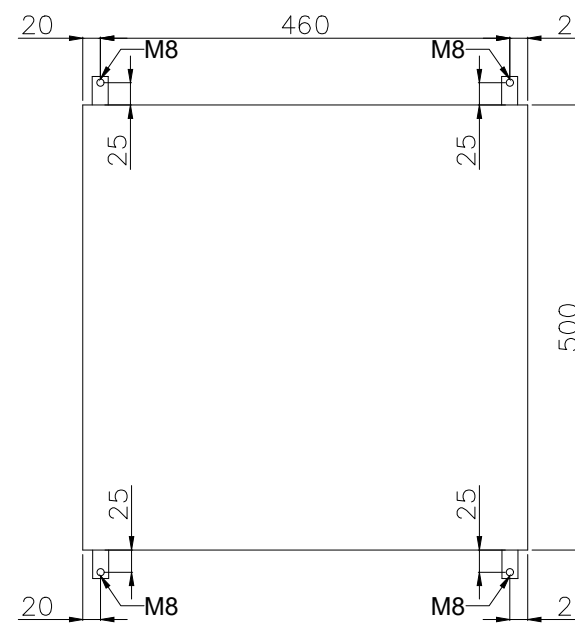
Bottom View



Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for Lamps)
4. M25 - 1x (Cable for Pushbuttons)
5. M25 - 1x (Cable for ESD Pushbutton)
6. M25 - 1x (Spare)

Back (Outside) View Mounting Details



| GENERAL NOTES | |
|--|--|
| NOTES | |
| 1. PANEL DIMENSIONS: 500x500x210mm | |
| 2. PANEL MATERIAL: SS316L STAINLESS STEEL | |
| 3. PANEL COLOR: RAL7035 (GRAY) | |
| 4. PANEL WILL BE RIGHT HINGED | |
| 5. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e' | |
| 6. AMBIENT TEMPERATURE: 5°C/+48°C | |
| 7. INGRESS PROTECTION: IP65 | |
| 8. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY. | |
| 9. DIN RAIL TYPE: NS35 | |
| 10. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS. | |
| 11. SPARES WILL BE PLUGGED WITH SUS Ex PLUG | |
| 12. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS | |

| REFERENCE DRAWINGS | DWG.No. |
|--------------------|---------|
| xxxx | xxxx |

| LEGEND | |
|--------|--|
| | |

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA IFC 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. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 01 | 25/Apr/25 | ISSUE FOR APPROVAL | RT | RB | SC | I |
| 00 | 24/Mar/25 | ISSUED FOR APPROVAL | RT | RB | SC | I |

OWNER:



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



DRAWING TITLE:
PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44LPS-80005A

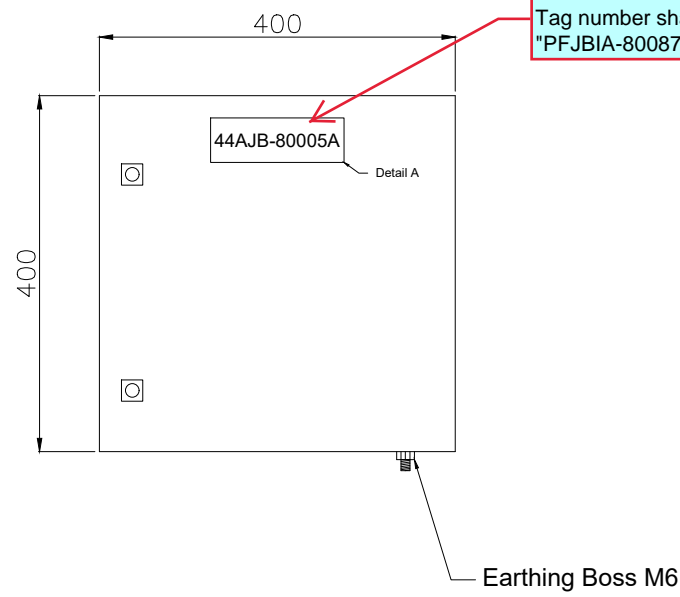
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|-------------------|-------------|--------|-------------|------------|------|------|------|
| 3944 | VD | 0171 | DYP | RE | 400 | DWG | 0003 |

SCALE: NONE SIZE: A0 SHEET NO. 26 OF 34 REV. 01

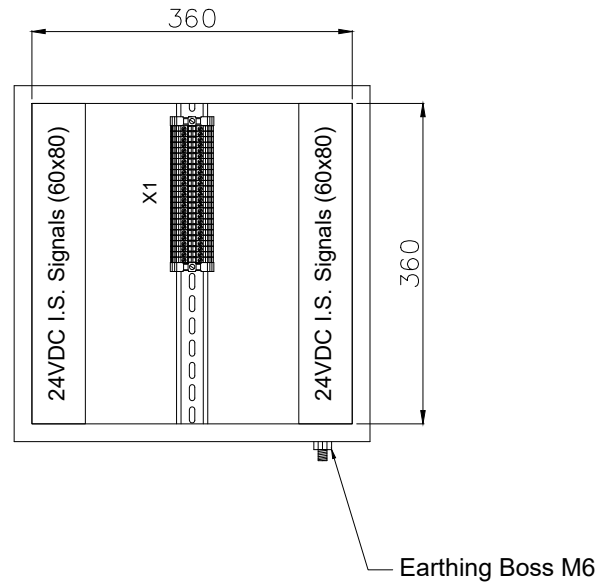
44AJB-80005A

INS:
Refer to comments on page 5.

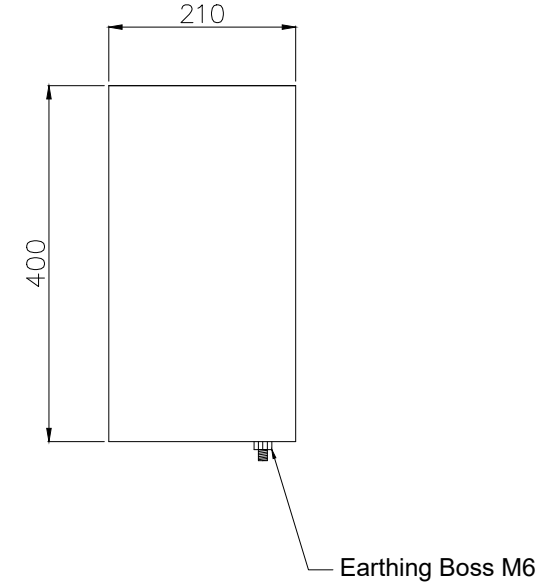
Front Side (Outside) View



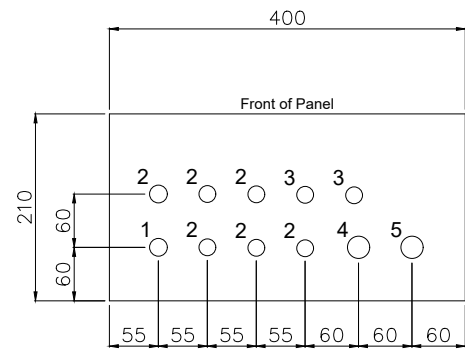
Front Side (Inside) View



Side (Outside) View



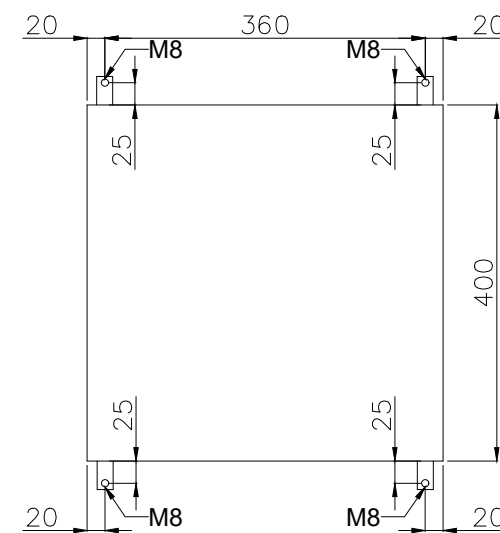
Bottom View



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: RAL5010 (BLUE) | |
| 4. PANEL WILL BE RIGHT HINGED | |
| 5. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e' | |
| 6. AMBIENT TEMPERATURE: 5°C/+48°C | |
| 7. INGRESS PROTECTION: IP65 | |
| 8. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY. | |
| 9. DIN RAIL TYPE: NS35 | |
| 10. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS. | |
| 11. SPARES WILL BE PLUGGED WITH SUS Ex PLUG | |
| 12. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS | |

| REFERENCE DRAWINGS | DWG.No. |
|--------------------|---------|
| xxxx | xxxx |

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA IAF 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. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 01 | 25/Apr/25 | ISSUE 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 44AJB-80005A

| 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. 01 | | | |


| No. | Description | Tag Number | Make | Model | Qty. |
|---------------------------|---|------------|-----------------|-----------------|------|
| 1 | Ready Indication Lamp (Green) | 3H4 | Bartec | 07-3351-1420 | 1 |
| 2 | Running Indication Lamp (Green) | 3H6 | Bartec | 07-3351-1420 | 1 |
| 3 | Alarm Indication Lamp (Amber) | 3H8 | Bartec | 07-3351-1430 | 1 |
| 4 | Trip Lamp (Red) | 3H10 | Bartec | 07-3351-1410 | 1 |
| 5 | Start Pushbutton (Green) | 2S4 | Bartec | 07-3353-400 | 1 |
| 6 | Stop Pushbutton (Red) | 2S6 | Bartec | 07-3353-400 | 1 |
| 7 | Lamp Test Pushbutton (Black) | 2S8 | Bartec | 07-3353-400 | 1 |
| 8 | Selector Switch (Local/Off/Remote) | 2S10 | Bartec | 05-0003-001000 | 1 |
| 9 | Emergency Shutdown Pushbutton with Protective Cover | 4S4 | Bartec | 05-0003-00 0800 | 1 |
| Terminal Strip Definition | | | | | |
| X1 | Connection Pushbuttons | X1 | Phoenix Contact | 3044102 | 16 |
| X2 | Connection Lamps | X2 | Phoenix Contact | 3211760 | 16 |
| X9 | Connection ESD Pushbutton | X9 | Phoenix Contact | 3044102 | 16 |

| GENERAL NOTES | |
|---|---------|
| NOTES 1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM. | |
| REFERENCE DRAWINGS | DWG.No. |
| xxxx | xxxx |

| LEGEND | |
|--------|--|
| | |



| | | | | | | |
|--|------------------------------|------------------------------|------------------------------|-----------------------------------|--------------------|-----|
| RESULT CODE: | <input type="checkbox"/> AP | <input type="checkbox"/> AN | <input type="checkbox"/> CO | <input type="checkbox"/> RE | RESUBMISSION DATE: | |
| NEXT STATUS: | <input type="checkbox"/> IFI | <input type="checkbox"/> IFA | <input type="checkbox"/> AFC | <input type="checkbox"/> 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. |
| 01 | 25/Apr/25 | ISSUE 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:



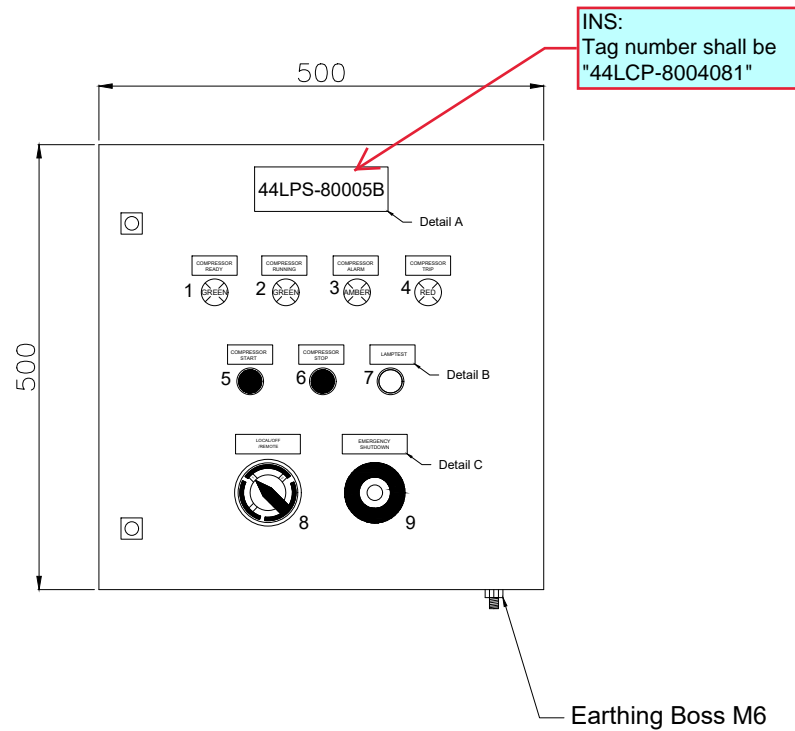
DRAWING TITLE:
PANEL LAYOUT DRAWING
BILL OF MATERIALS FOR
LOCAL CONTROL PANEL 44LPS-80005B
OWNER DOC. NO.

| | | | | | | | |
|-------------------|-------------|--------|-------------|------------|----------|------|------|
| 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. | 01 |

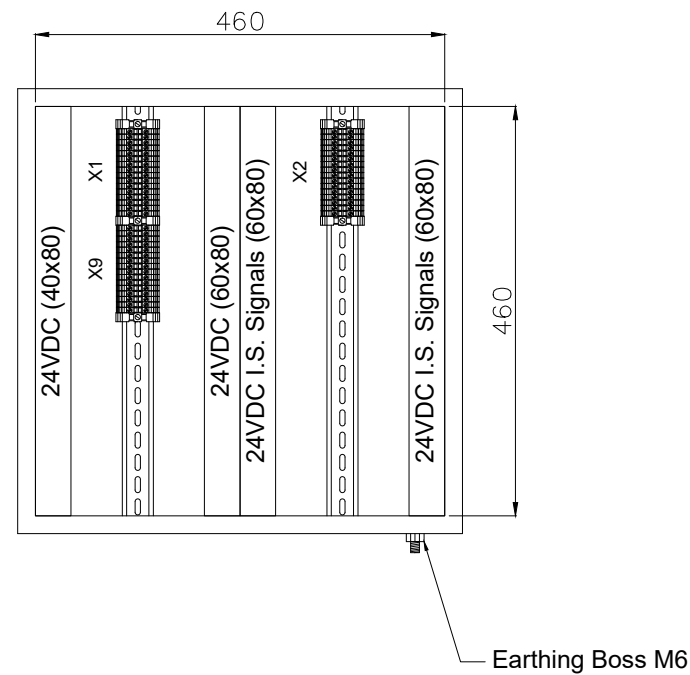
44LPS-80005B

INS:
Refer to comments on page 4.

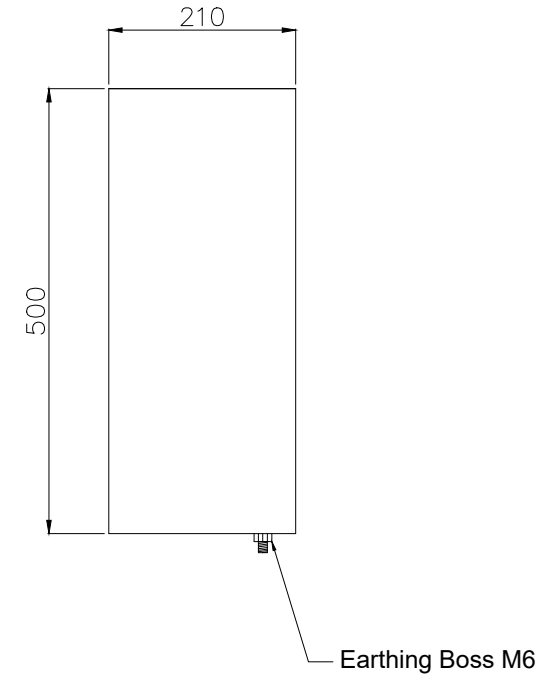
Front Side (Outside) View



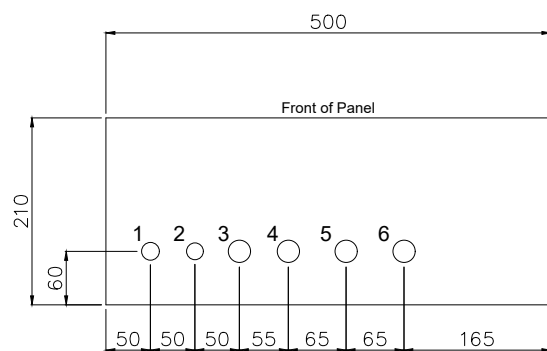
Front Side (Inside) View



Side (Outside) View



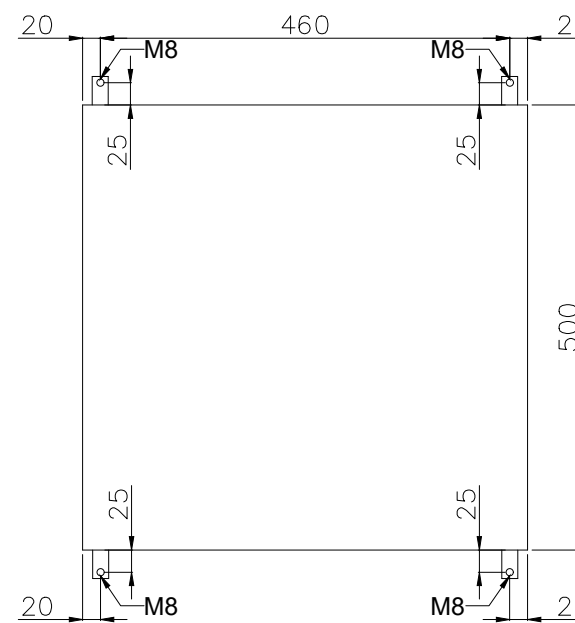
Bottom View



Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for Lamps)
4. M25 - 1x (Cable for Pushbuttons)
5. M25 - 1x (Cable for ESD Pushbutton)
6. M25 - 1x (Spare)

Back (Outside) View Mounting Details



| GENERAL NOTES | |
|--|--|
| NOTES | |
| 1. PANEL DIMENSIONS: 500x500x210mm | |
| 2. PANEL MATERIAL: SS316L STAINLESS STEEL | |
| 3. PANEL COLOR: RAL7035 (GRAY) | |
| 4. PANEL WILL BE RIGHT HINGED | |
| 5. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e' | |
| 6. AMBIENT TEMPERATURE: 5°C/+48°C | |
| 7. INGRESS PROTECTION: IP65 | |
| 8. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY. | |
| 9. DIN RAIL TYPE: NS35 | |
| 10. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS. | |
| 11. SPARES WILL BE PLUGGED WITH SUS Ex PLUG | |
| 12. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS | |

| REFERENCE DRAWINGS | DWG.No. |
|--------------------|---------|
| xxxx | xxxx |

| LEGEND | |
|--------|--|
| | |

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA IFC ASB/FIN

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.:

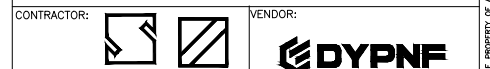
| REV. | DATE | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 01 | 25/Apr/25 | ISSUE FOR APPROVAL | RT | RB | SC | - |
| 00 | 24/Mar/25 | ISSUED FOR APPROVAL | RT | RB | SC | - |

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)



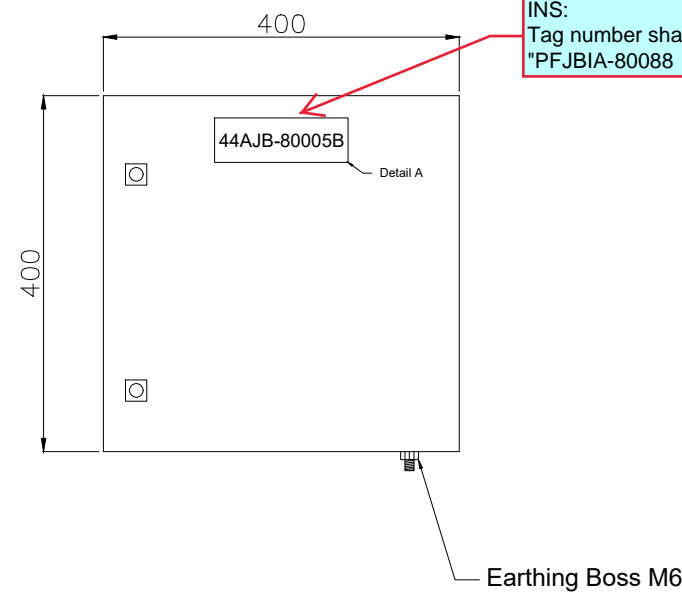
DRAWING TITLE:
PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44LPS-80005B

| 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. 01 | | | |

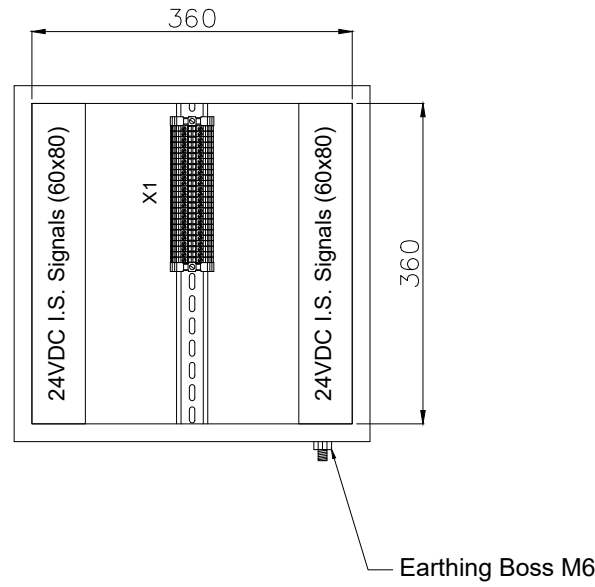
44AJB-80005B

INS:
Refer to comments on page 5.

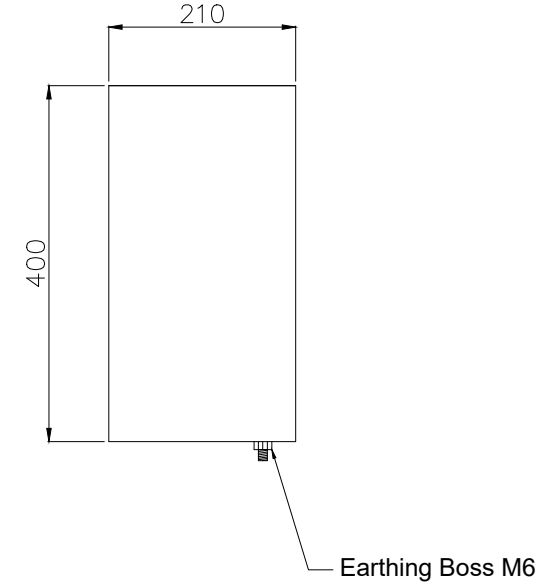
Front Side (Outside) View



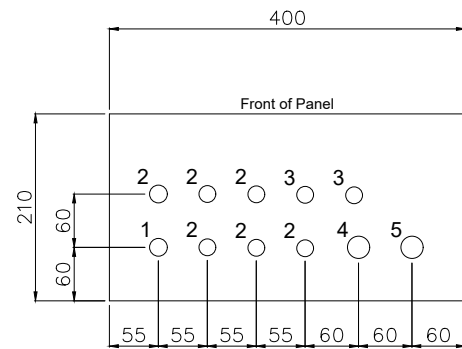
Front Side (Inside) View



Side (Outside) View



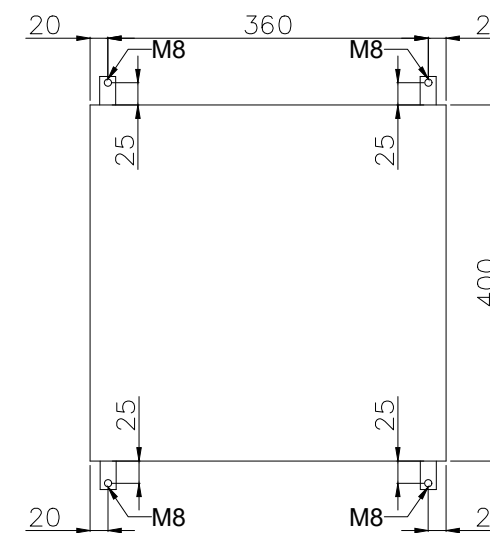
Bottom View



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: RAL5010 (BLUE) | |
| 4. PANEL WILL BE RIGHT HINGED | |
| 5. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e' | |
| 6. AMBIENT TEMPERATURE: 5°C/+48°C | |
| 7. INGRESS PROTECTION: IP65 | |
| 8. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY. | |
| 9. DIN RAIL TYPE: NS35 | |
| 10. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS. | |
| 11. SPARES WILL BE PLUGGED WITH SUS Ex PLUG | |
| 12. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS | |

| REFERENCE DRAWINGS | DWG.No. |
|--------------------|---------|
| xxxx | xxxx |

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA IAF 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. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 01 | 25/Apr/25 | ISSUE 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)



DRAWING TITLE:
PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44AJB-80005B

| 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. 01


| No. | Description | Tag Number | Make | Model | Qty. |
|---------------------------|---|------------|-----------------|-----------------|------|
| 1 | Ready Indication Lamp (Green) | 3H4 | Bartec | 07-3351-1420 | 1 |
| 2 | Running Indication Lamp (Green) | 3H6 | Bartec | 07-3351-1420 | 1 |
| 3 | Alarm Indication Lamp (Amber) | 3H8 | Bartec | 07-3351-1430 | 1 |
| 4 | Trip Lamp (Red) | 3H10 | Bartec | 07-3351-1410 | 1 |
| 5 | Start Pushbutton (Green) | 2S4 | Bartec | 07-3353-400 | 1 |
| 6 | Stop Pushbutton (Red) | 2S6 | Bartec | 07-3353-400 | 1 |
| 7 | Lamp Test Pushbutton (Black) | 2S8 | Bartec | 07-3353-400 | 1 |
| 8 | Selector Switch (Local/Off/Remote) | 2S10 | Bartec | 05-0003-001000 | 1 |
| 9 | Emergency Shutdown Pushbutton with Protective Cover | 4S4 | Bartec | 05-0003-00 0800 | 1 |
| Terminal Strip Definition | | | | | |
| X1 | Connection Pushbuttons | X1 | Phoenix Contact | 3044102 | 16 |
| X2 | Connection Lamps | X2 | Phoenix Contact | 3211760 | 16 |
| X9 | Connection ESD Pushbutton | X9 | Phoenix Contact | 3044102 | 16 |

| GENERAL NOTES | |
|---|---------|
| NOTES 1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM. | |
| REFERENCE DRAWINGS | DWG.No. |
| xxxx | xxxx |

| LEGEND | |
|--------|--|
| | |

| | | | | | | |
|--|------------------------------|------------------------------|------------------------------|-----------------------------------|--------------------|-----|
| RESULT CODE: | <input type="checkbox"/> AP | <input type="checkbox"/> AN | <input type="checkbox"/> CO | <input type="checkbox"/> RE | RESUBMISSION DATE: | |
| NEXT STATUS: | <input type="checkbox"/> IFI | <input type="checkbox"/> IFA | <input type="checkbox"/> AFC | <input type="checkbox"/> 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.: | | | | | | |
| | | | | | | |
| | | | | | | |
| 01 25/Apr/25 | ISSUE FOR APPROVAL | RT | RB | SC | - | |
| 00 24/Mar/25 | ISSUED FOR APPROVAL | RT | RB | SC | - | |
| REV. | DATE | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |



OWNER:





PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)


MC:

CONTRACTOR:

VENDOR:



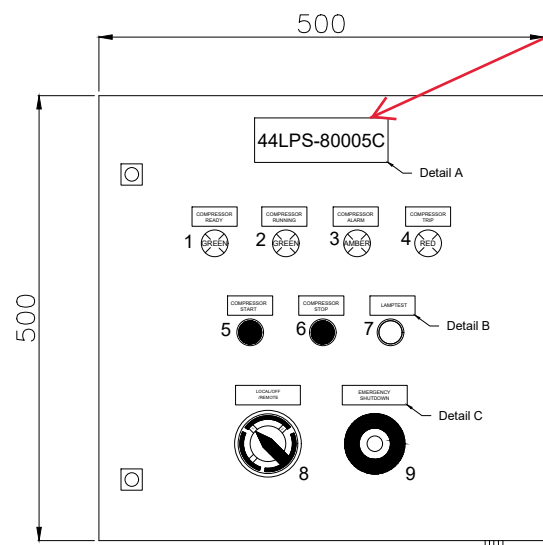
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|---|-------------|--------|-------------|------------|----------|------|------|--|--|
| DRAWING TITLE: | | | | | | | | | |
| PANEL LAYOUT DRAWING BILL OF MATERIALS FOR LOCAL CONTROL PANEL 44LPS-80005C | | | | | | | | | |
| OWNER DOC. NO. | | | | | | | | | |
| 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. | 31 OF 34 | REV. | 01 | | |

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44LPS-80005C

INS:
Refer to comments on page 4.

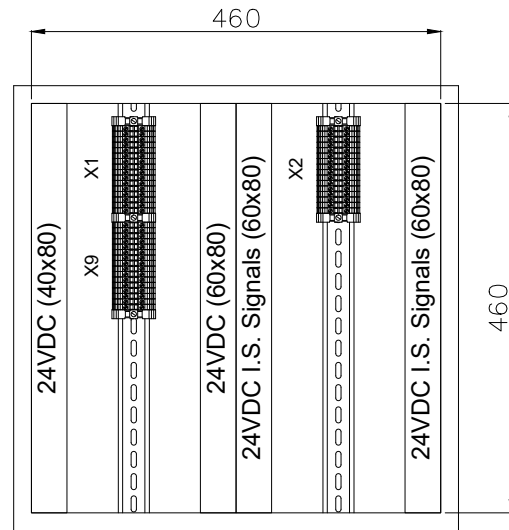
Front Side (Outside) View



INS:
Tag number shall be
"44LCP-8004091"

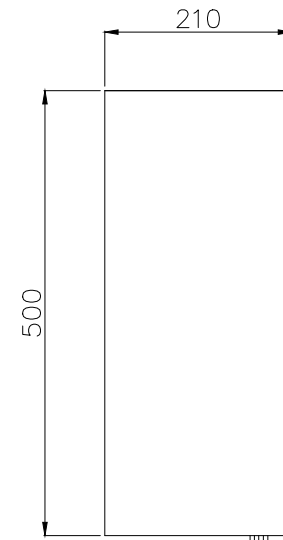
Earthing Boss M6

Front Side (Inside) View



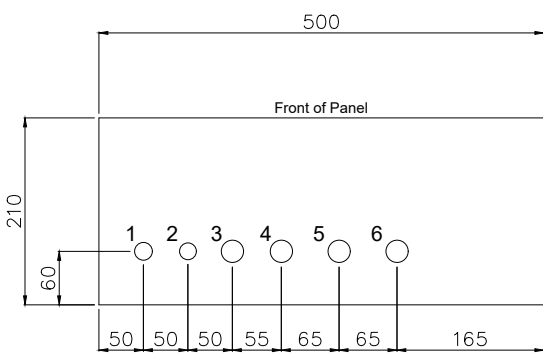
Earthing Boss M6

Side (Outside) View



Earthing Boss M6

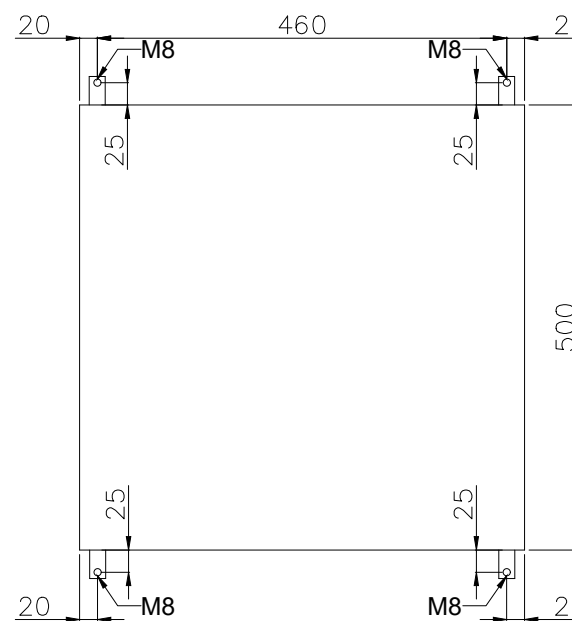
Bottom View



Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for Lamps)
4. M25 - 1x (Cable for Pushbuttons)
5. M25 - 1x (Cable for ESD Pushbutton)
6. M25 - 1x (Spare)

Back (Outside) View Mounting Details



| GENERAL NOTES | |
|--|--|
| NOTES | |
| 1. PANEL DIMENSIONS: 500x500x210mm | |
| 2. PANEL MATERIAL: SS316L STAINLESS STEEL | |
| 3. PANEL COLOR: RAL7035 (GRAY) | |
| 4. PANEL WILL BE RIGHT HINGED | |
| 5. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e' | |
| 6. AMBIENT TEMPERATURE: 5°C/+48°C | |
| 7. INGRESS PROTECTION: IP65 | |
| 8. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY. | |
| 9. DIN RAIL TYPE: NS35 | |
| 10. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS. | |
| 11. SPARES WILL BE PLUGGED WITH SUS Ex PLUG | |
| 12. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS | |

| REFERENCE DRAWINGS | DWG.No. |
|--------------------|---------|
| xxxx | xxxx |

LEGEND

| | | | | | |
|--------------|------------------------------|------------------------------|------------------------------|----------------------------------|--------------------|
| RESULT CODE: | <input type="checkbox"/> AP | <input type="checkbox"/> AN | <input type="checkbox"/> CO | <input type="checkbox"/> RE | RESUBMISSION DATE: |
| NEXT STATUS: | <input type="checkbox"/> IFI | <input type="checkbox"/> IFA | <input type="checkbox"/> IFC | <input type="checkbox"/> ASB/FIN | |

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. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 01 | 25/Apr/25 | ISSUE FOR APPROVAL | RT | RB | SC | - |
| 00 | 24/Mar/25 | ISSUED FOR APPROVAL | RT | RB | SC | - |



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



CONTRACTOR: SAZEH CONSULTANTS
VENDOR: DYPNF

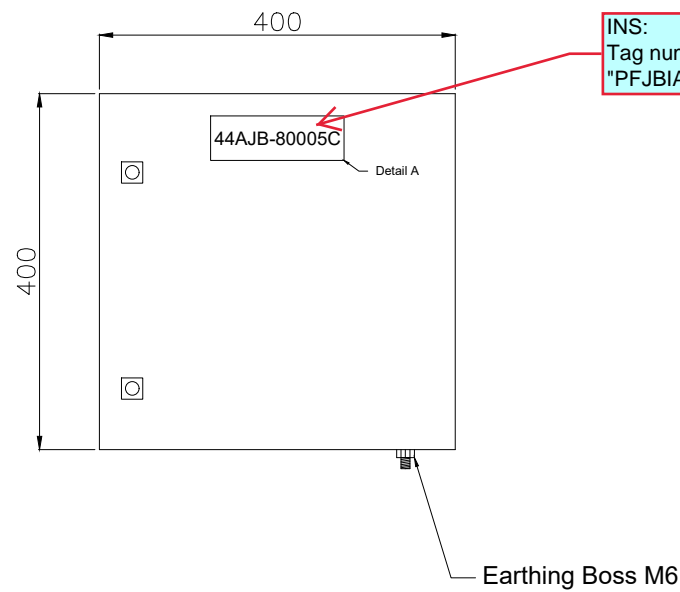
DRAWING TITLE:
PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44LPS-80005C

| 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. | 01 |

44AJB-80005C

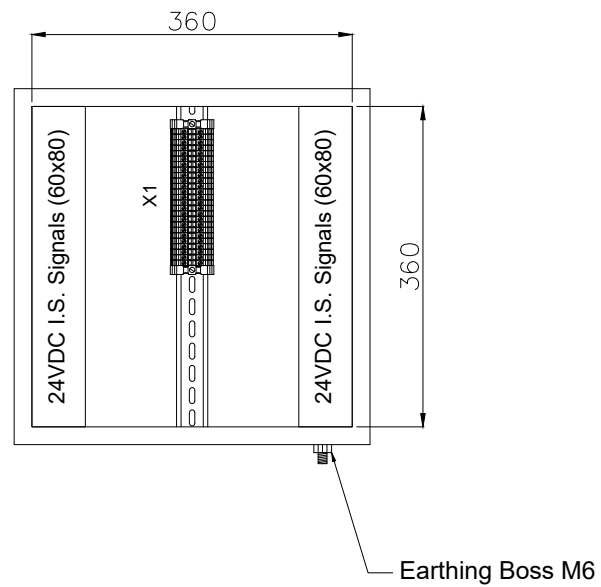
INS:
Refer to comments on page 5.

Front Side (Outside) View

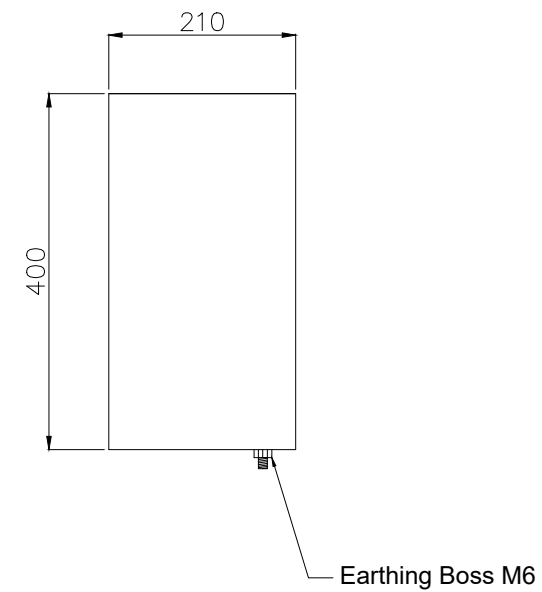


INS:
Tag number shall be
"PFJBIA-80089"

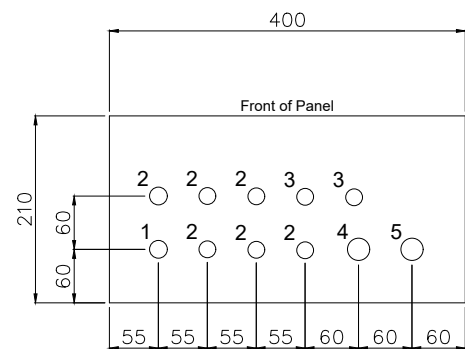
Front Side (Inside) View



Side (Outside) View



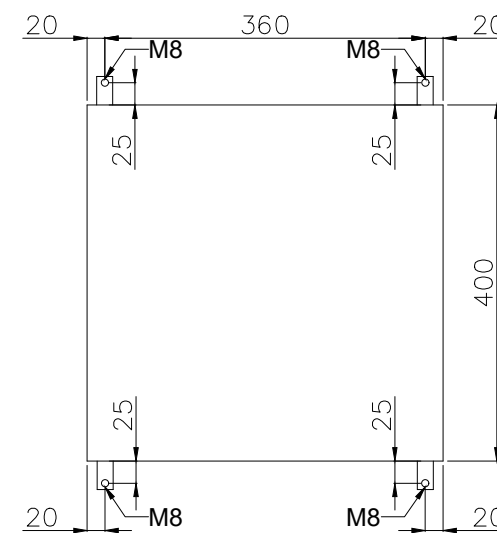
Bottom View



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: RAL5010 (BLUE) | |
| 4. PANEL WILL BE RIGHT HINGED | |
| 5. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e' | |
| 6. AMBIENT TEMPERATURE: 5°C/+48°C | |
| 7. INGRESS PROTECTION: IP65 | |
| 8. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY. | |
| 9. DIN RAIL TYPE: NS35 | |
| 10. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS. | |
| 11. SPARES WILL BE PLUGGED WITH SUS Ex PLUG | |
| 12. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS | |

| REFERENCE DRAWINGS | DWG.No. |
|--------------------|---------|
| xxxx | xxxx |

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA IAF 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.):

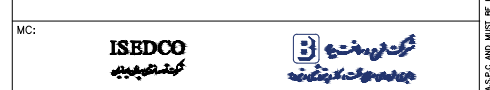
VENDRO JOB NO.:

| REV. | DATE | PURPOSE OF ISSUE (P.O.I.) | PREP. | CHKD. | APPR. | AC. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 01 | 25/Apr/25 | ISSUE 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)

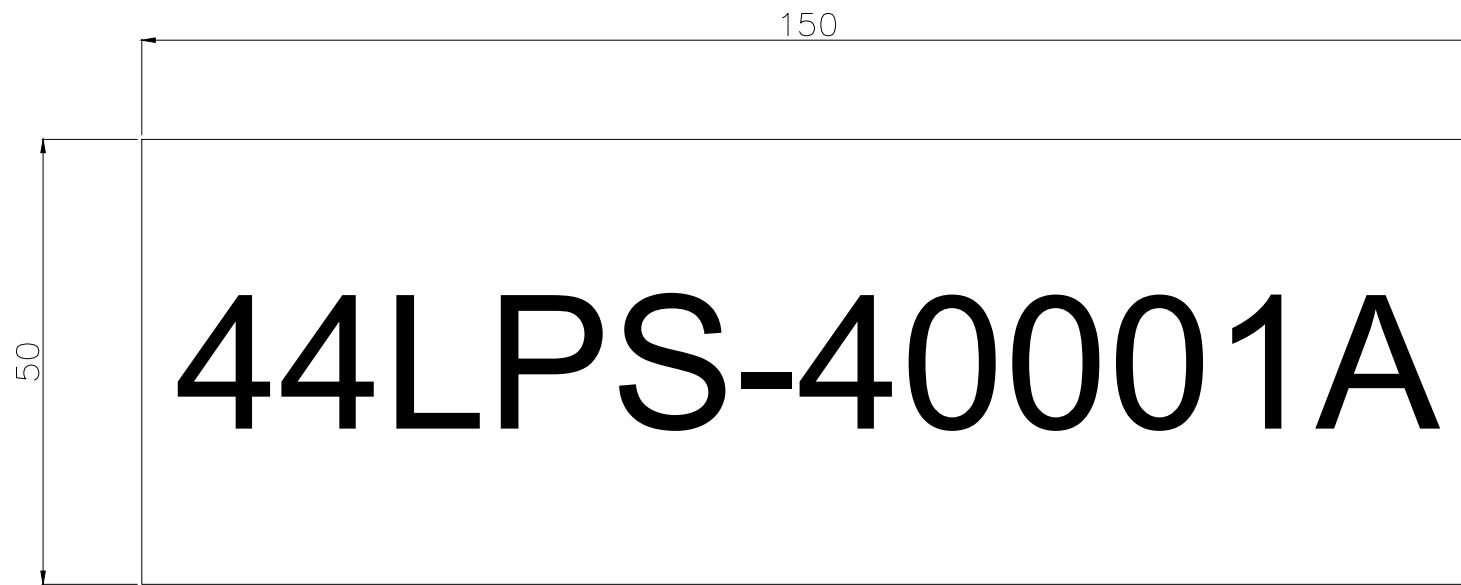


DRAWING TITLE:
PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44AJB-80005C

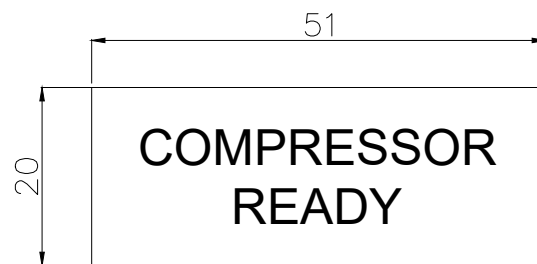
| OWNER PROJECT NO. | VENDOR DWG. | MR NO. | VENDOR CODE | DISCIPLINE | UNIT | TYPE | SEQ. |
|-------------------|-------------|--------|-------------|------------|------|------|------|
| 3944 | VD | 0171 | DYP | RE | 400 | DWG | 0003 |

SCALE: NONE SIZE: A0 SHEET NO. 33 OF 34 REV. 01

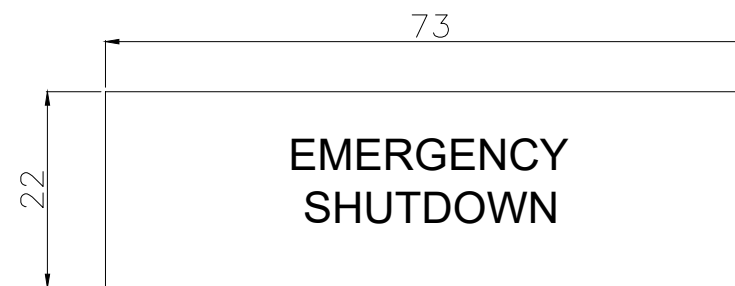
NAME PLATE DETAILS



DETAIL A
SCALE 10:1
BLACK LETTERS WITH WHITE
BACKGROUND



DETAIL B
SCALE 10:1
BLACK LETTERS WITH WHITE
BACKGROUND



DETAIL C
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

| REFERENCE DRAWINGS | DWG.No. |
|--------------------|---------|
| xxxx | xxxx |

LEGEND

| | | | | | |
|--------------|------------------------------|------------------------------|------------------------------|-----------------------------------|--------------------|
| RESULT CODE: | <input type="checkbox"/> AP | <input type="checkbox"/> AN | <input type="checkbox"/> CO | <input type="checkbox"/> RE | RESUBMISSION DATE: |
| NEXT STATUS: | <input type="checkbox"/> IFI | <input type="checkbox"/> IFA | <input type="checkbox"/> AFC | <input type="checkbox"/> 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. |
|------|-----------|---------------------------|-------|-------|-------|-----|
| 01 | 25/Apr/25 | ISSUE 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)



DRAWING TITLE:
PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44AJB-80005C

| 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. | 01 |