



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

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


No.	Description	Tag Number	Make	Model	Qty.
1	Running Indication Lamp (Green)	3H4	Bartec	07-3351-1420	1
2	Fault Indication Lamp (Amber)	3H6	Bartec	07-3351-1430	1
3	Start Pushbutton (Green)	2S4	Bartec	07-3353-400	1
4	Stop Pushbutton (Red)	2S6	Bartec	07-3353-400	1
5	Lamp Test Pushbutton (Black)	2S8	Bartec	07-3353-400	1
6	Emergency Shutdown Pushbutton with Protective Cover	4S4	Bartec	05-0003-00 0800	1
Terminal Strip Definition					
X1	Connection Pushbuttons & Lamps	X1	Phoenix Contact	3211760	16
X9	Connection ESD Pushbutton	X9	Phoenix Contact	3211760	16

GENERAL NOTES	
NOTES 1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM.	
REF DRAWINGS	DWG.No.
Wiring Diagram	3944-VD-0171-DYP-RE-400-DIA-0002
I/O List	3944-VD-0171-DYP-RE-400-LST-0080
E&I System Config Diag.	3944-VD-0171-DYP-RE-400-DIA-0078

LEGEND	



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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.
02	16/Jul/25	ISSUED FOR APPROVAL	RT	RB	SC	-
01	25/Apr/25	ISSUED FOR APPROVAL	RT	RB	SC	-
00	24/Mar/25	ISSUED FOR APPROVAL	RT	RB	SC	-

OWNER:





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


MC:

CONTRACTOR:

VENDOR:



DRAWING TITLE:
PANEL LAYOUT DRAWING
BILL OF MATERIALS FOR
LOCAL CONTROL PANEL 44LCP-4001010
OWNER DOC. NO.

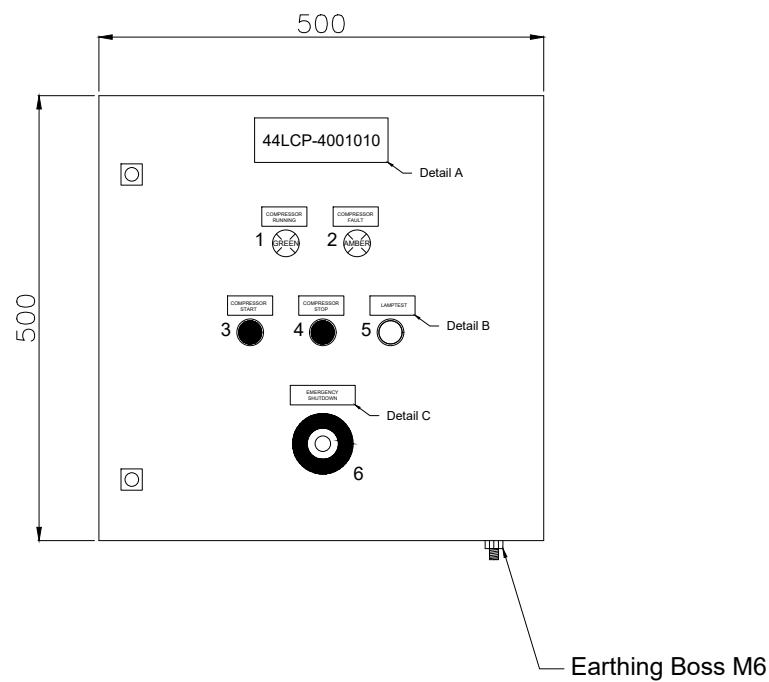
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3944	VD	0171	DYP	RE	400	DWG	0003

SCALE: NONE SIZE: A0 SHEET NO. 1 OF 34 REV. 02

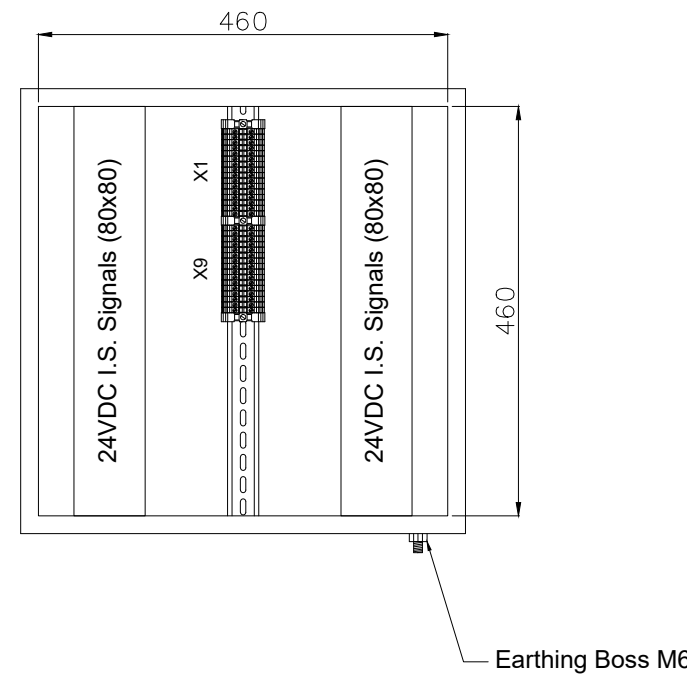
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44LCP-4001010

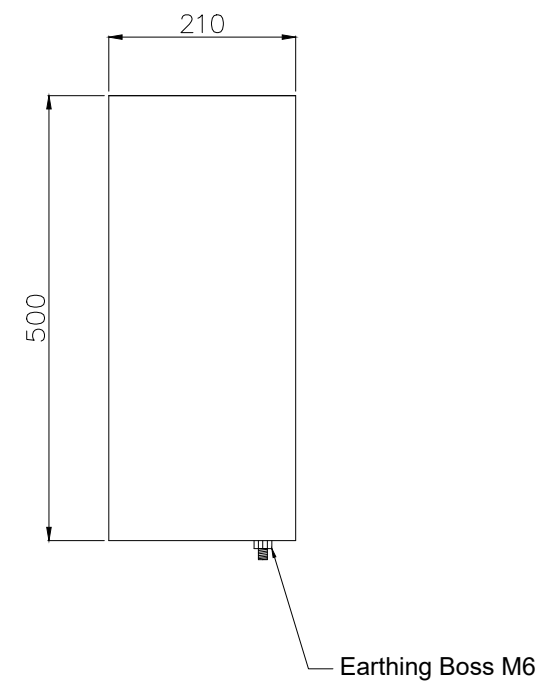
Front Side (Outside) View



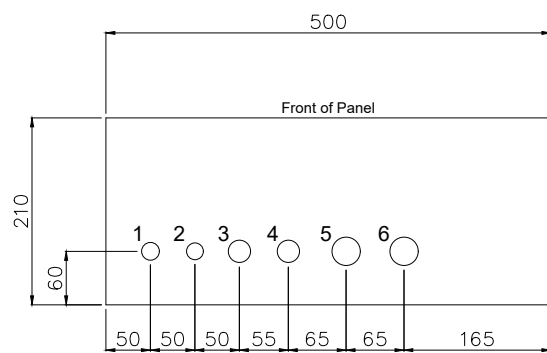
Front Side (Inside) View



Side (Outside) View



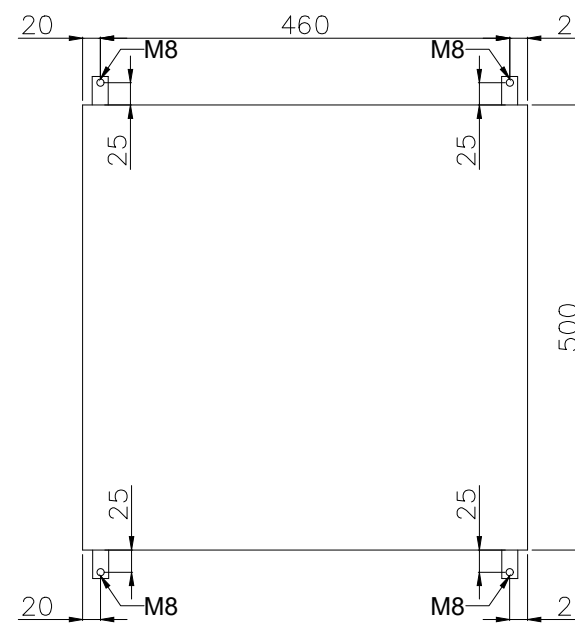
Bottom View



Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for ESD Pushbutton)
4. M25 - 1x (Spare)
5. M32 - 1x (Cable for Pushbuttons & Lamps)
6. M32 - 1x (Spare)

Back (Outside) View Mounting Details



GENERAL NOTES

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

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

LEGEND

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300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)

MC:
ISEDCO
SAZEH CONSULTANTS

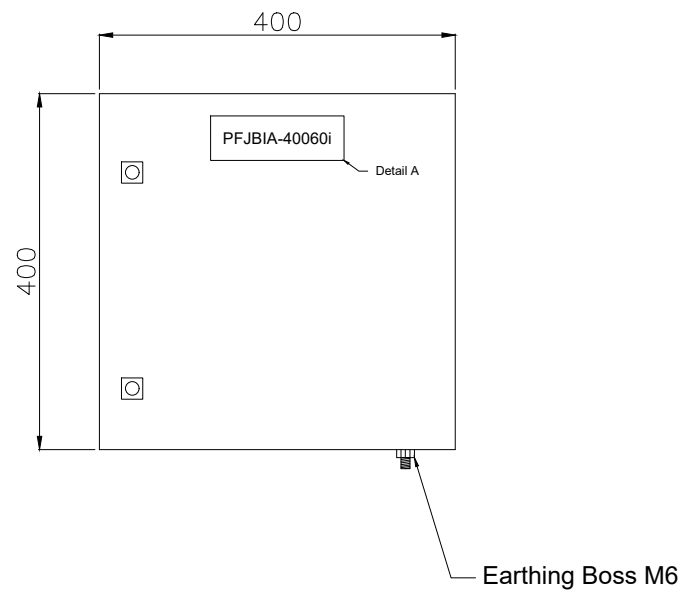
CONTRACTOR:
SAZEH CONSULTANTS
VENDOR:
DYPNF

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

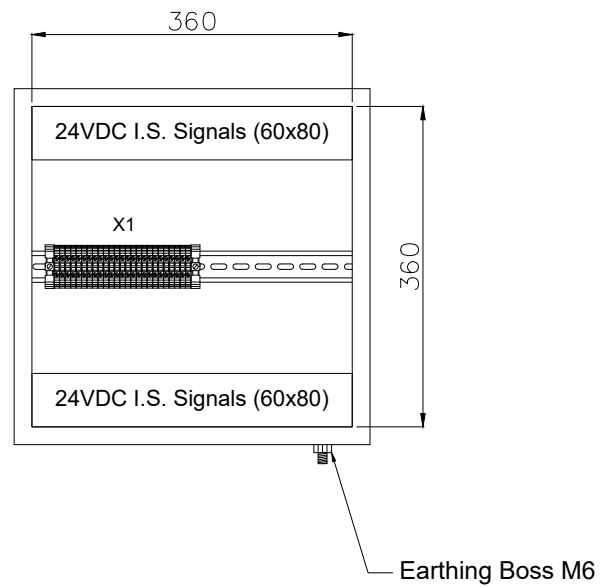
OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT	TYPE	SEQ.
3944	VD	0171	DYP	RE	400	DWG	0003
SCALE:	NONE	SIZE:	A0	SHEET NO.	2 OF 34	REV.	02

PFJBIA-40060i

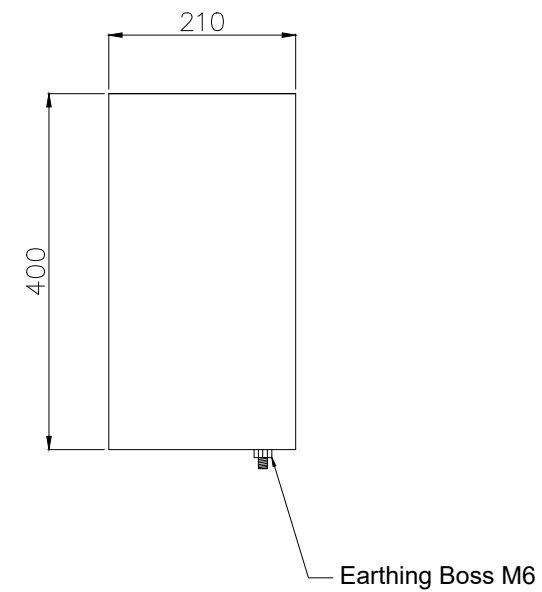
Front Side (Outside) View



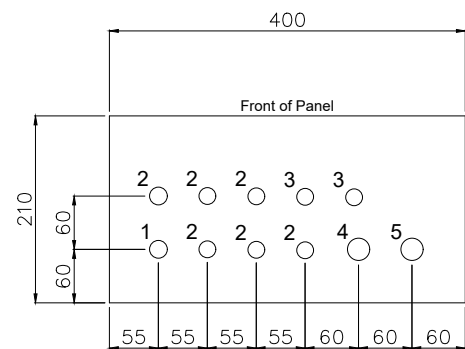
Front Side (Inside) View



Side (Outside) View



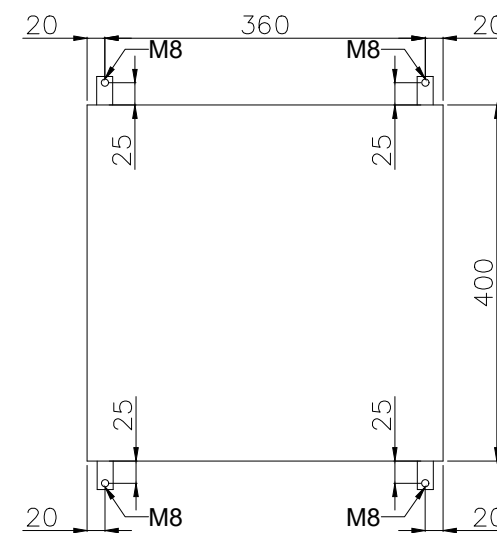
Bottom View



Gland Entry Details

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

Back (Outside) View Mounting Details



GENERAL NOTES

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



PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:



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

OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT	TYPE	SEQ.
3944	VD	0171	DYP	RE	400	DWG	0003
SCALE:	NONE	SIZE:	A0	SHEET NO.	3 OF 34	REV.	02

No.	Description	Tag Number	Make	Model	Qty.
1	Running Indication Lamp (Green)	3H4	Bartec	07-3351-1420	1
2	Fault Indication Lamp (Amber)	3H6	Bartec	07-3351-1430	1
3	Start Pushbutton (Green)	2S4	Bartec	07-3353-400	1
4	Stop Pushbutton (Red)	2S6	Bartec	07-3353-400	1
5	Lamp Test Pushbutton (Black)	2S8	Bartec	07-3353-400	1
6	Emergency Shutdown Pushbutton with Protective Cover	4S4	Bartec	05-0003-00 0800	1
Terminal Strip Definition					
X1	Connection Pushbuttons & Lamps	X1	Phoenix Contact	3211760	16
X9	Connection ESD Pushbutton	X9	Phoenix Contact	3211760	16

GENERAL NOTES

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

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

LEGEND

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



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

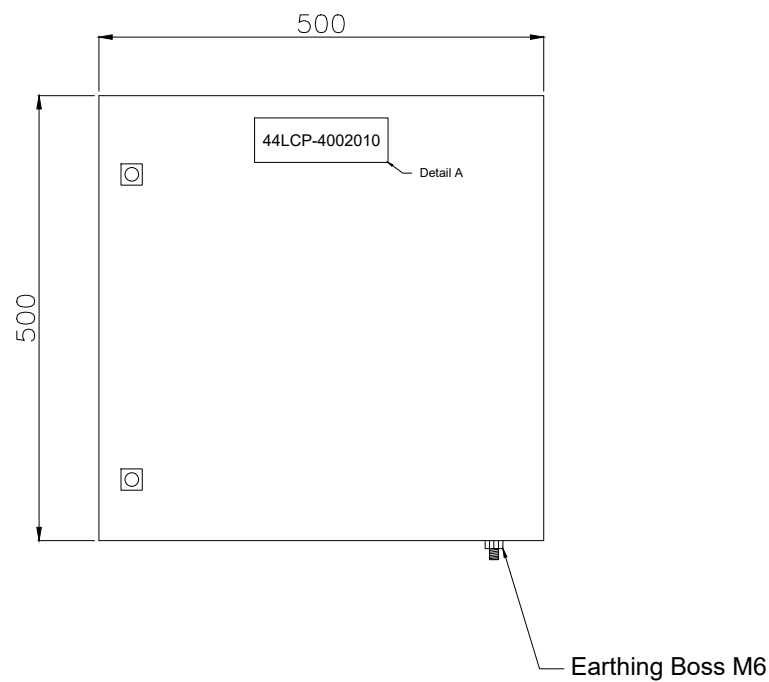
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SCALE: NONE SIZE: A0 SHEET NO. 4 OF 34 REV. 02

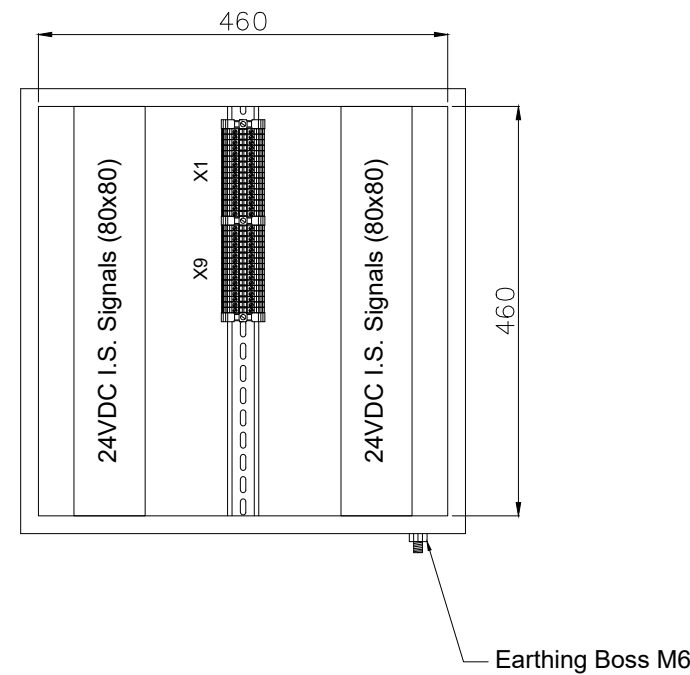
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44LCP-4002010

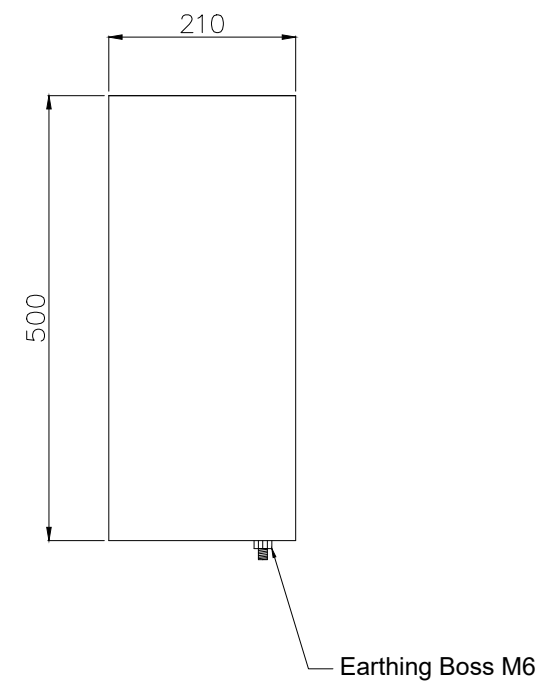
Front Side (Outside) View



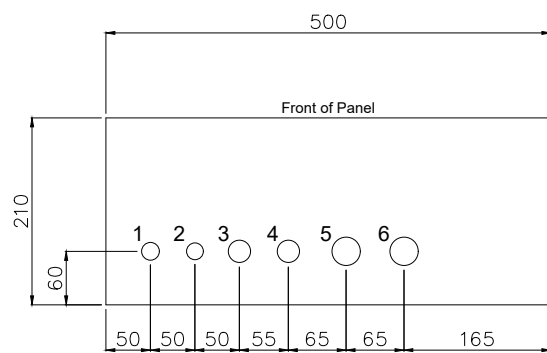
Front Side (Inside) View



Side (Outside) View



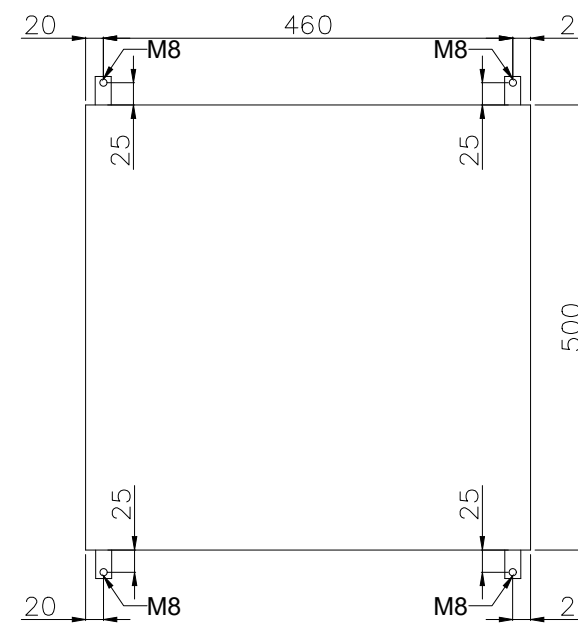
Bottom View



Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for ESD Pushbutton)
4. M25 - 1x (Spare)
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Back (Outside) View Mounting Details



GENERAL NOTES

- NOTES
1. PANEL DIMENSIONS: 500x500x210mm
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 3. PANEL COLOR: RAL5017 (BLUE)
 4. PANEL WALL THICKNESS: 1.6mm
 5. PANEL WEIGHT: ~20kg
 6. PANEL WILL BE RIGHT HINGED
 7. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
 8. AMBIENT TEMPERATURE: 5°C/+48°C
 9. INGRESS PROTECTION: IP65
 10. CABLE RACEWAYS SHALL HAVE NO LESS THAN 20% SPARE CAPACITY.
 11. DIN RAIL TYPE: NS35
 12. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS.
 13. SPARES WILL BE PLUGGED WITH SUS Ex PLUG
 14. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS
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I/O List	3944-VD-0171-DYP-RE-400-LST-0080
E&I System Config Diag.	3944-VD-0171-DYP-RE-400-DIA-0078

LEGEND

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ARYA SASOL POLYMER COMPANY (ASPC)

MC:



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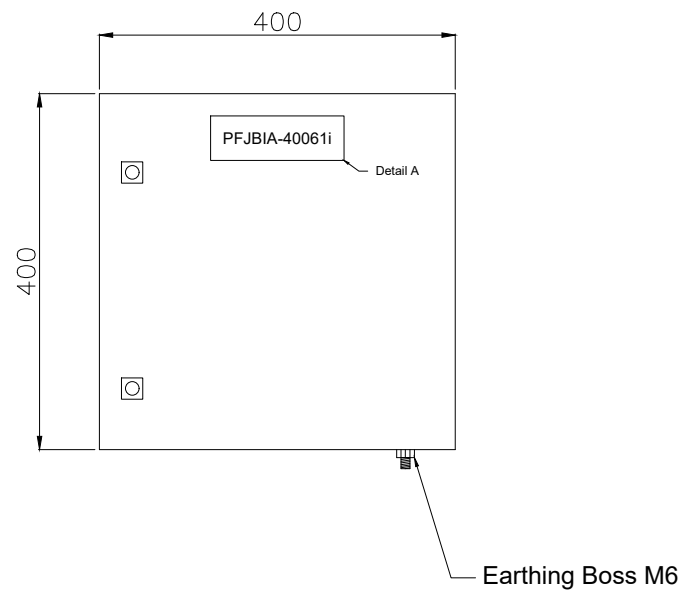


DRAWING TITLE:
PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44LCP-4002010

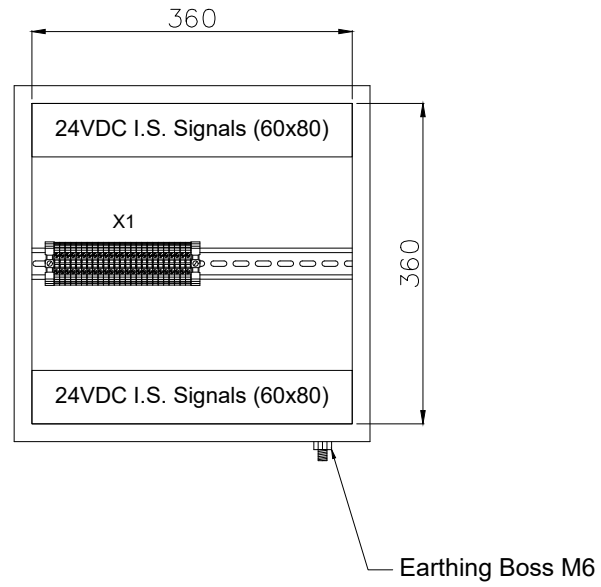
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PFJBIA-40061i

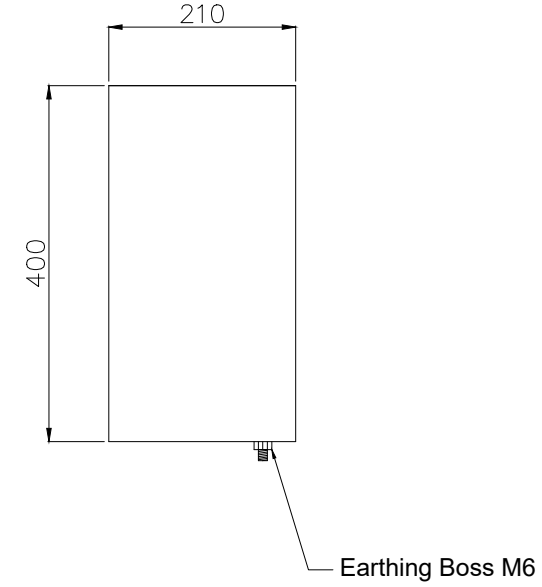
Front Side (Outside) View



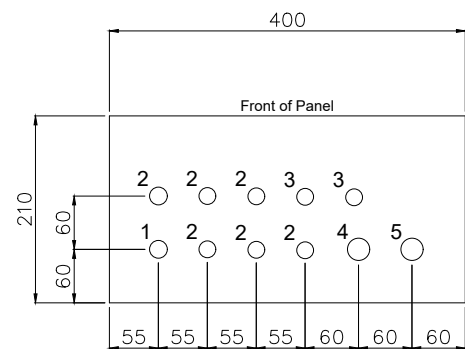
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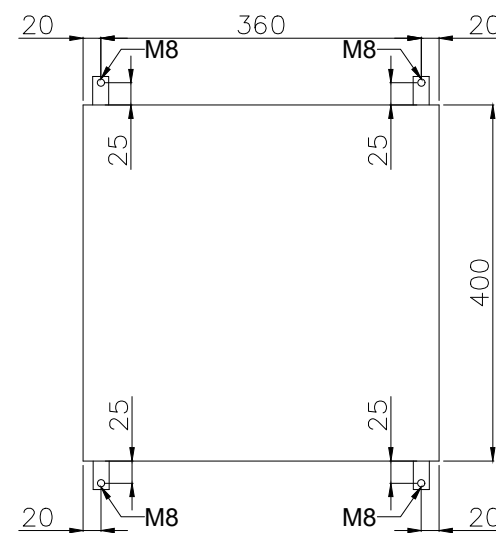
Bottom View



Gland Entry Details

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Back (Outside) View Mounting Details



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LOCAL CONTROL PANEL PFJBIA-40061i

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4	Stop Pushbutton (Red)	2S6	Bartec	07-3353-400	1
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6	Emergency Shutdown Pushbutton with Protective Cover	4S4	Bartec	05-0003-00 0800	1
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X9	Connection ESD Pushbutton	X9	Phoenix Contact	3211760	16

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ARYA SASOL POLYMER COMPANY (ASPC)


MC:

CONTRACTOR:

VENDOR:

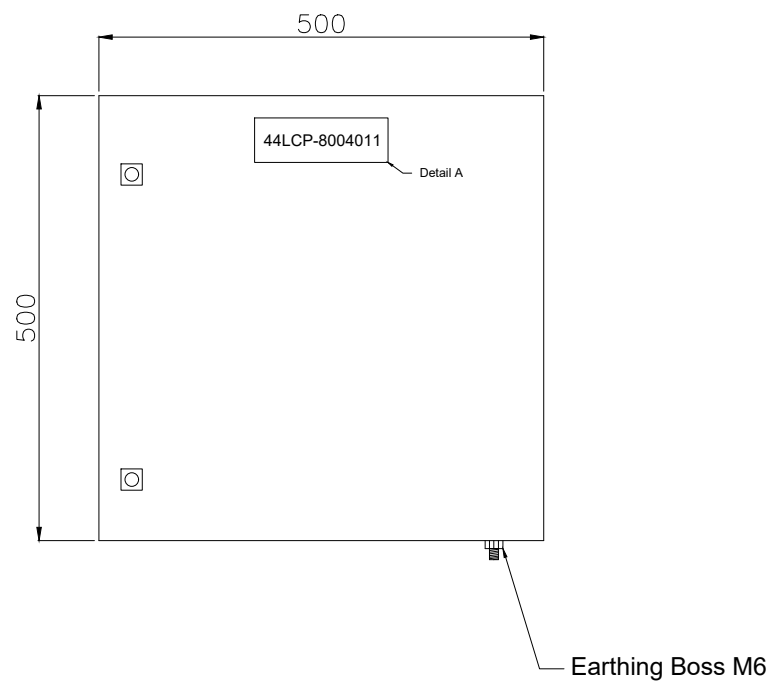


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OWNER DOC. NO.						
OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT	TYPE SEQ.
3944	VD	0171	DYP	RE	400	DWG 0003
SCALE:	NONE	SIZE:	A0	SHEET NO.	7 OF 34	REV. 02

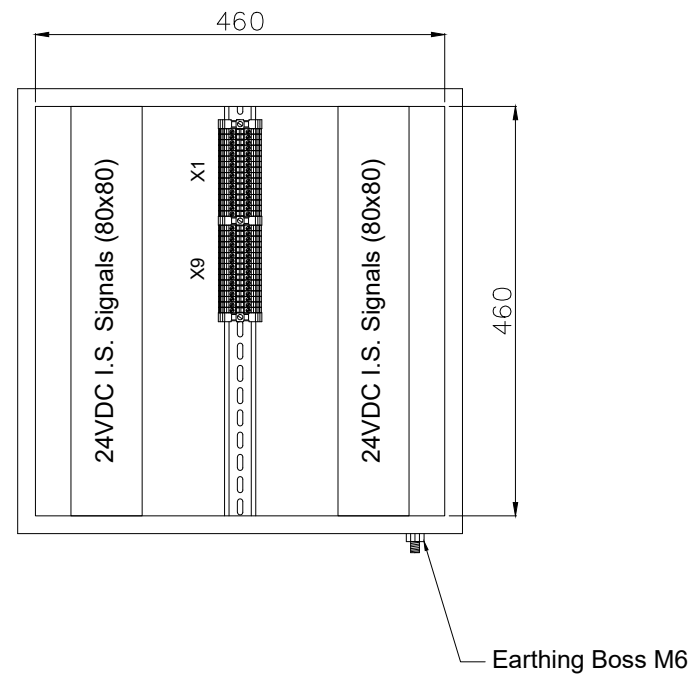
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44LCP-8004011

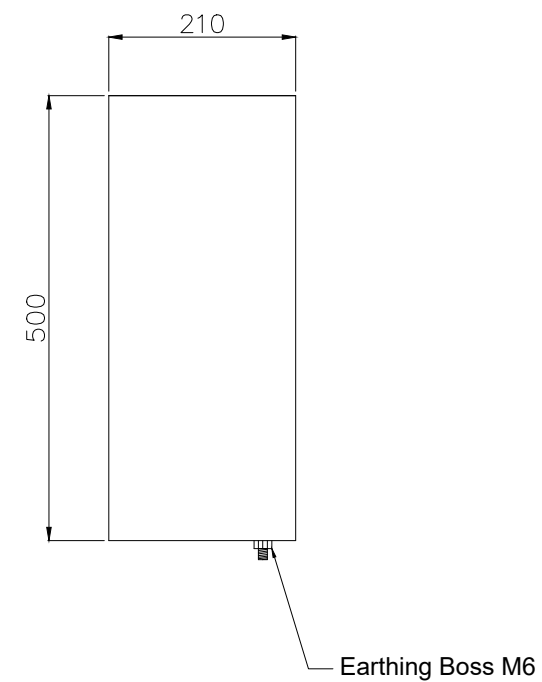
Front Side (Outside) View



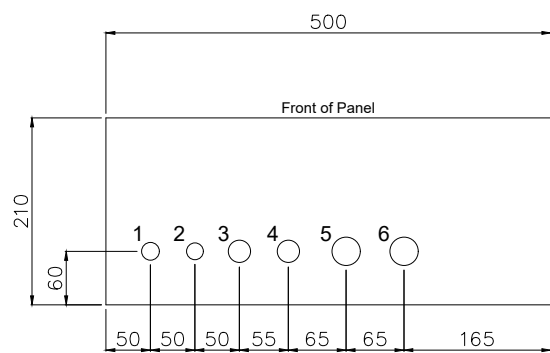
Front Side (Inside) View



Side (Outside) View



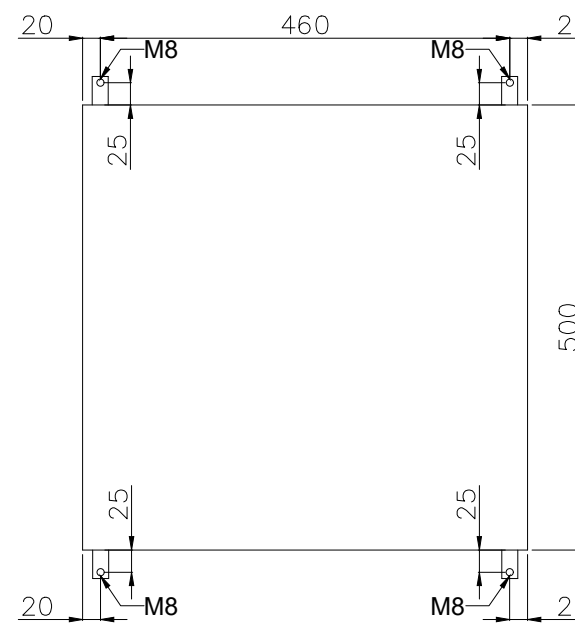
Bottom View



Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for ESD Pushbutton)
4. M25 - 1x (Spare)
5. M32 - 1x (Cable for Pushbuttons & Lamps)
6. M32 - 1x (Spare)

Back (Outside) View Mounting Details



GENERAL NOTES

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

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

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA JFC ASB/IFIN

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

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDRO JOB NO.:

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

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:

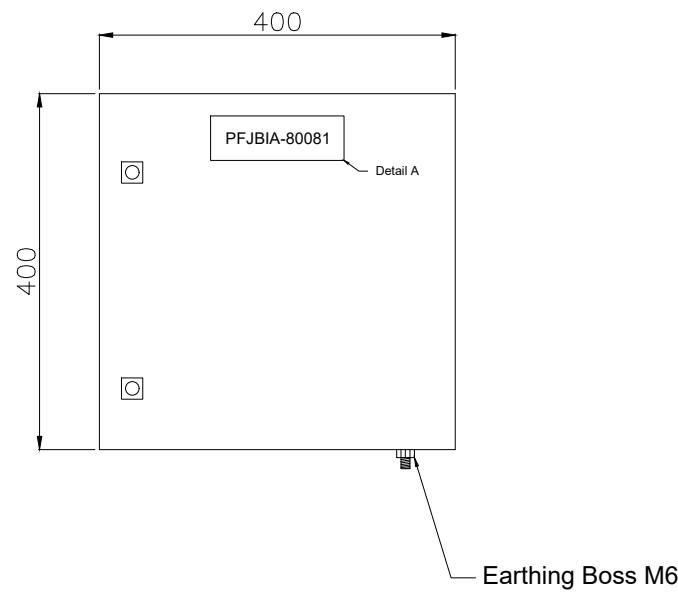


DRAWING TITLE:
PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44LCP-8004011

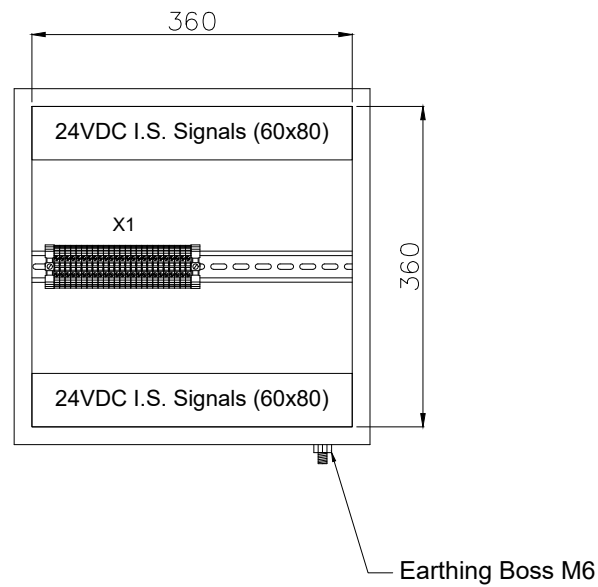
OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT	TYPE	SEQ.
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SCALE:	NONE	SIZE:	A0	SHEET NO.	8	OF 34	REV. 02

PFJBIA-80081

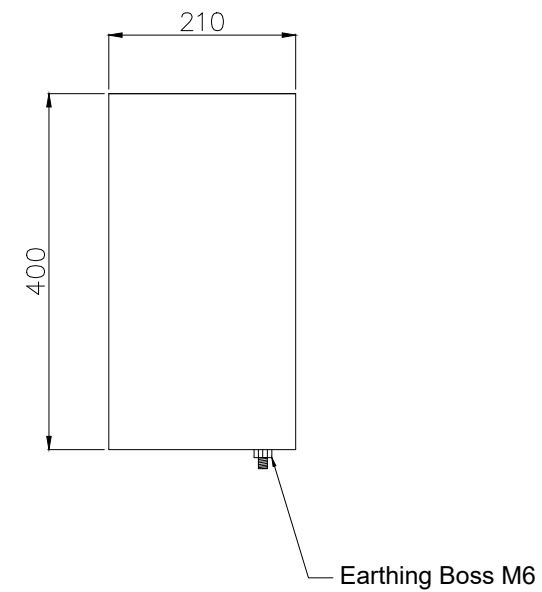
Front Side (Outside) View



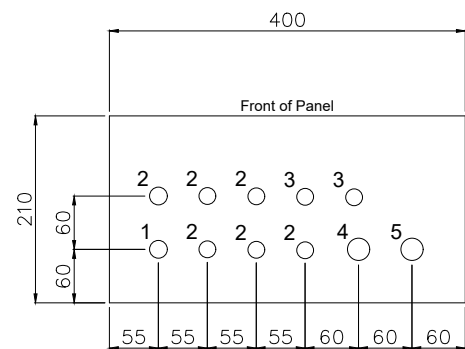
Front Side (Inside) View



Side (Outside) View



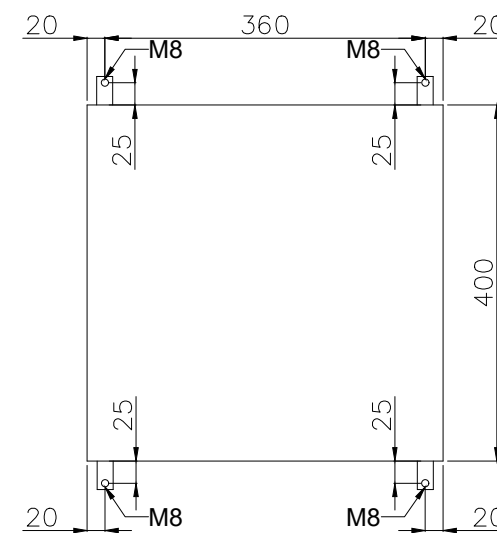
Bottom View



Gland Entry Details

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

Back (Outside) View Mounting Details



GENERAL NOTES

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

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

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA JFC ASB/IFIN

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

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDRO JOB NO.:

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

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:



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

OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT	TYPE	SEQ.
3944	VD	0171	DYP	RE	400	DWG	0003
SCALE:	NONE	SIZE:	A0	SHEET NO.	9 OF 34	REV.	02

No.	Description	Tag Number	Make	Model	Qty.
1	Running Indication Lamp (Green)	3H4	Bartec	07-3351-1420	1
2	Fault Indication Lamp (Amber)	3H6	Bartec	07-3351-1430	1
3	Start Pushbutton (Green)	2S4	Bartec	07-3353-400	1
4	Stop Pushbutton (Red)	2S6	Bartec	07-3353-400	1
5	Lamp Test Pushbutton (Black)	2S8	Bartec	07-3353-400	1
6	Emergency Shutdown Pushbutton with Protective Cover	4S4	Bartec	05-0003-00 0800	1
Terminal Strip Definition					
X1	Connection Pushbuttons & Lamps	X1	Phoenix Contact	3211760	16
X9	Connection ESD Pushbutton	X9	Phoenix Contact	3211760	16

GENERAL NOTES

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

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

LEGEND

RESULT CODE: AP AN CO RE

NEXT STATUS: IFI IFA AFC ASB/IFIN

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

P.O. NO.: _____


M.R. NO.: _____

ITEM NO. (EQUIPMENT NO.): _____

VENDRO JOB NO.: _____

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



OWNER:



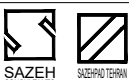

PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)


MC:

CONTRACTOR:

VENDOR:



DRAWING TITLE:

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

OWNER DOC. NO.

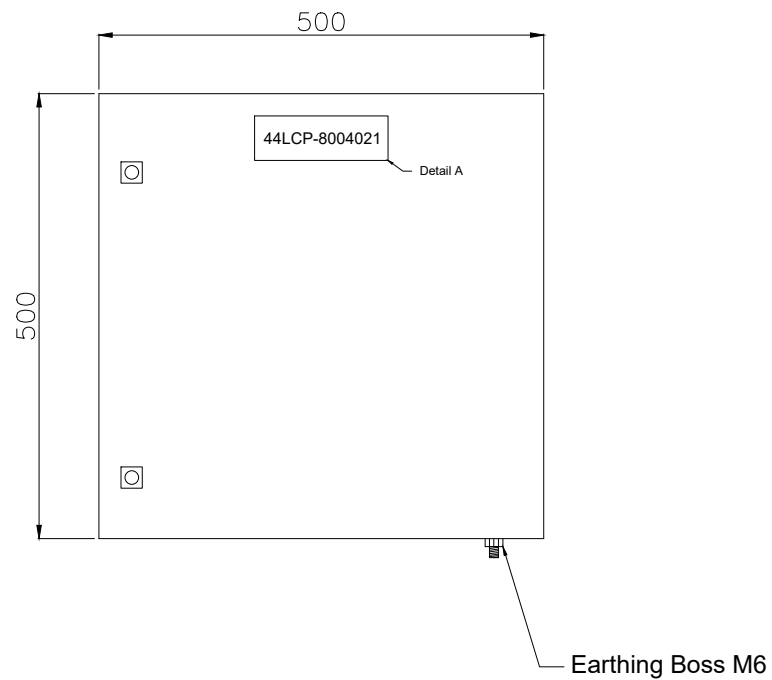
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3944	VD	0171	DYP	RE	400	DWG	0003

SCALE: NONE SIZE: A0 SHEET NO. 10 OF 34 REV. 02

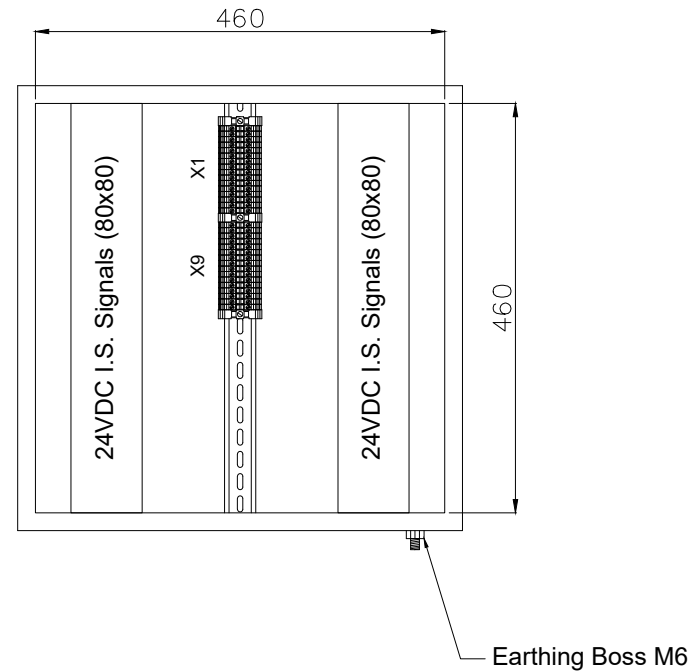
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44LCP-8004021

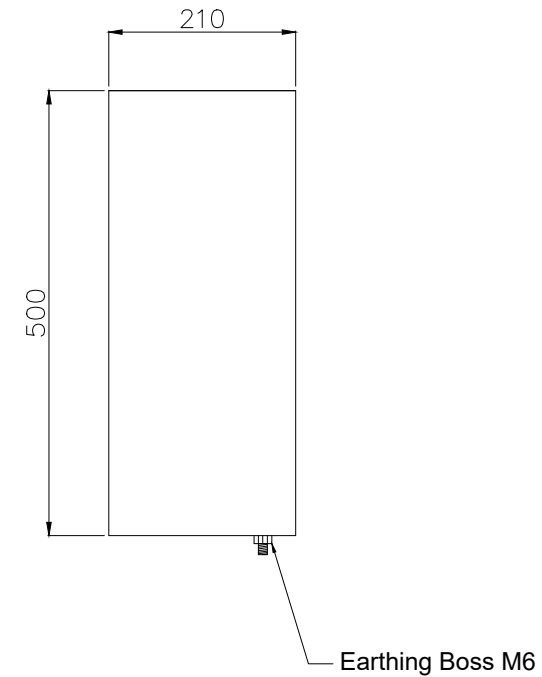
Front Side (Outside) View



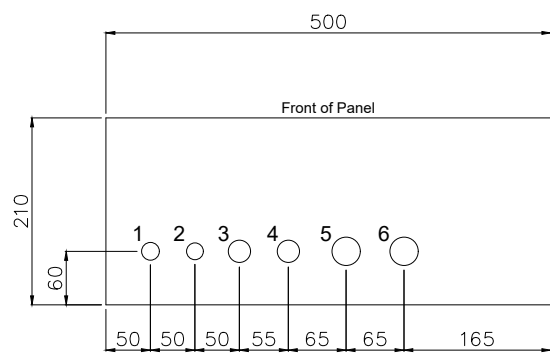
Front Side (Inside) View



Side (Outside) View



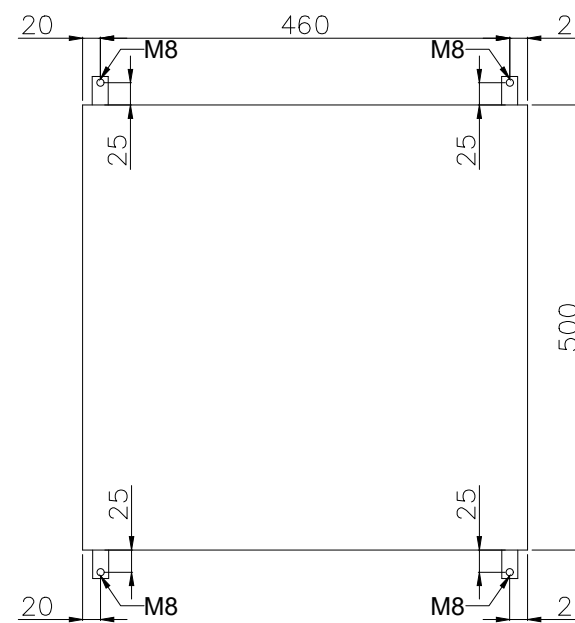
Bottom View



Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for ESD Pushbutton)
4. M25 - 1x (Spare)
5. M32 - 1x (Cable for Pushbuttons & Lamps)
6. M32 - 1x (Spare)

Back (Outside) View Mounting Details



GENERAL NOTES

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

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

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA JFC ASB/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.
02	16/Jul/25	ISSUED FOR APPROVAL	RT	RB	SC	-
01	25/Apr/25	ISSUED FOR APPROVAL	RT	RB	SC	-
00	24/Mar/25	ISSUED FOR APPROVAL	RT	RB	SC	-

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:

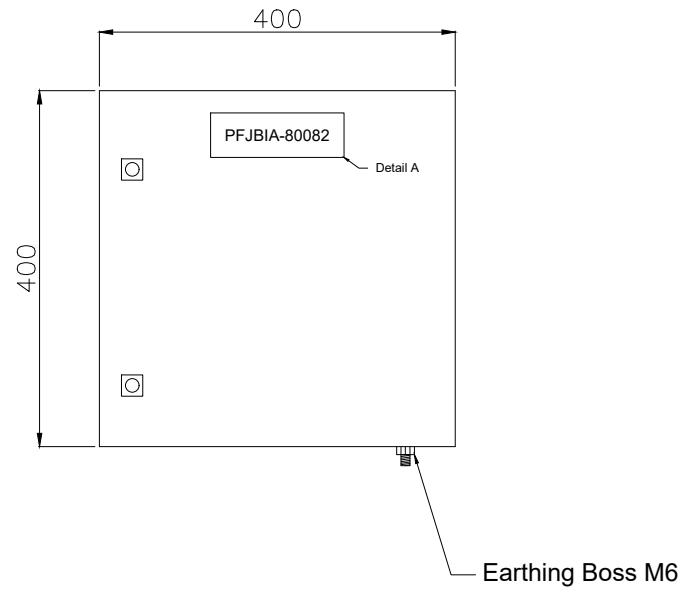


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PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44LCP-8004021

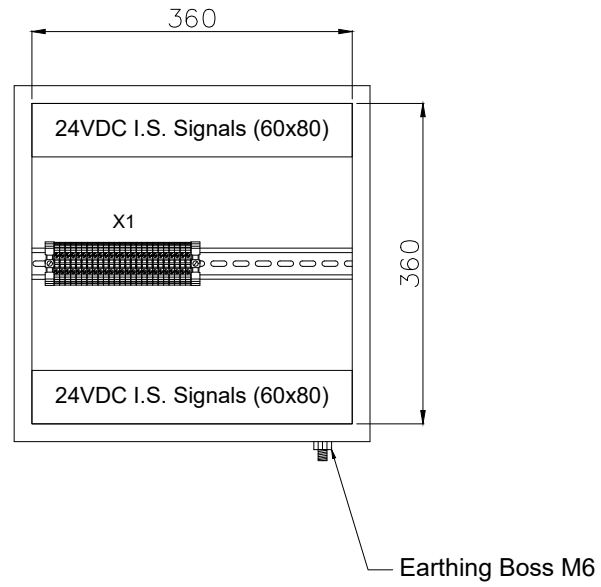
OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT	TYPE	SEQ.
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PFJBIA-80082

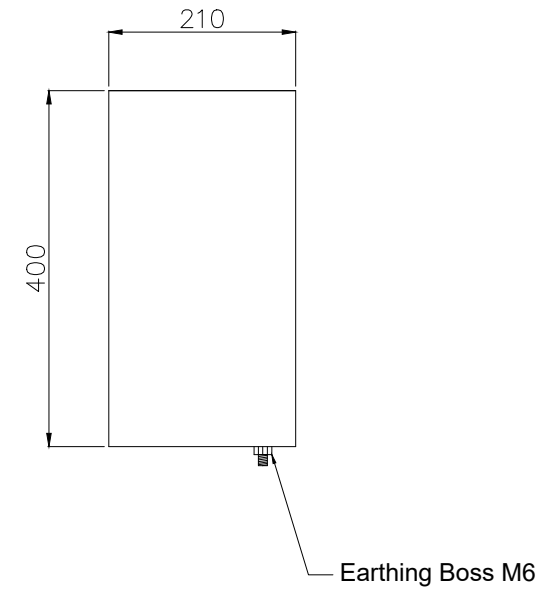
Front Side (Outside) View



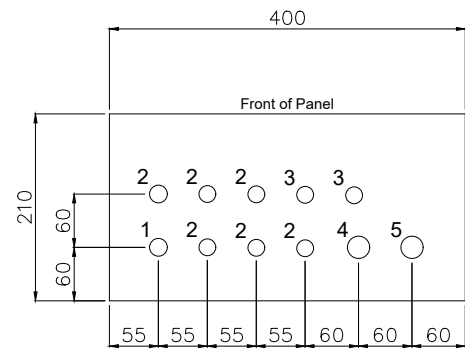
Front Side (Inside) View



Side (Outside) View



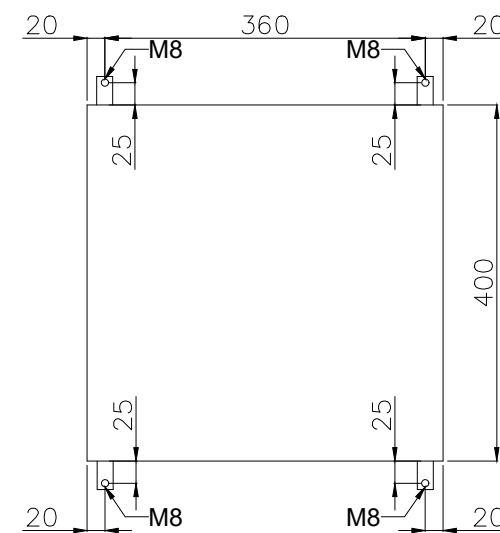
Bottom View



Gland Entry Details

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

Back (Outside) View Mounting Details



GENERAL NOTES

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

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

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA JFC ASB/IFIN

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

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDRO JOB NO.:

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

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)



DRAWING TITLE:
PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL PFJBIA-80082

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.	02

No.	Description	Tag Number	Make	Model	Qty.
1	Running Indication Lamp (Green)	3H4	Bartec	07-3351-1420	1
2	Fault Indication Lamp (Amber)	3H6	Bartec	07-3351-1430	1
3	Start Pushbutton (Green)	2S4	Bartec	07-3353-400	1
4	Stop Pushbutton (Red)	2S6	Bartec	07-3353-400	1
5	Lamp Test Pushbutton (Black)	2S8	Bartec	07-3353-400	1
6	Emergency Shutdown Pushbutton with Protective Cover	4S4	Bartec	05-0003-00 0800	1
Terminal Strip Definition					
X1	Connection Pushbuttons & Lamps	X1	Phoenix Contact	3211760	16
X9	Connection ESD Pushbutton	X9	Phoenix Contact	3211760	16

GENERAL NOTES

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

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

LEGEND

RESULT CODE: AP AN CO RE

NEXT STATUS: IFI IFA AFC ASB/IFIN

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

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

OWNER:


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

MC:
 

CONTRACTOR:
 

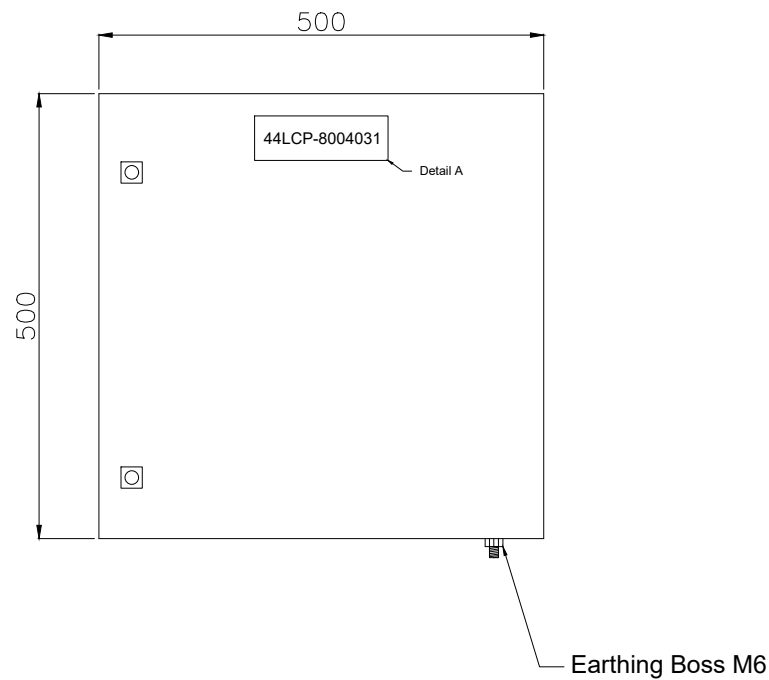
VENDOR:


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

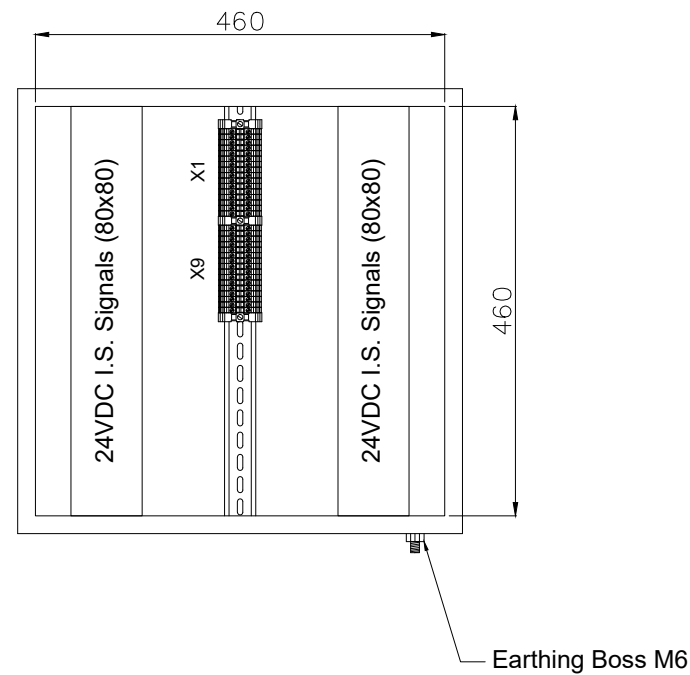
OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT	TYPE	SEQ.
3944	VD	0171	DYP	RE	400	DWG	0003
SCALE:	NONE	SIZE:	A0	SHEET NO.	13 OF 34	REV.	02

44LCP-8004031

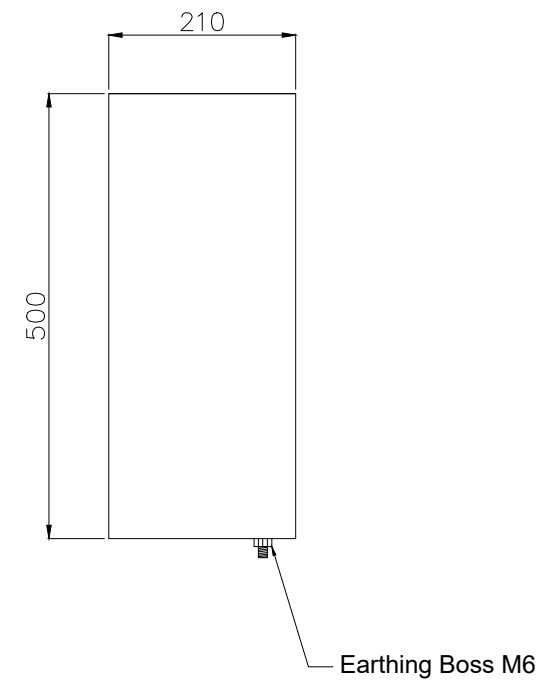
Front Side (Outside) View



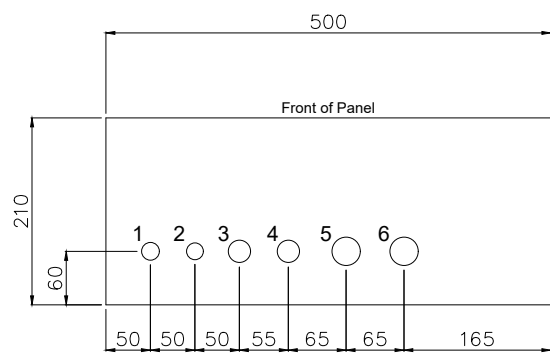
Front Side (Inside) View



Side (Outside) View



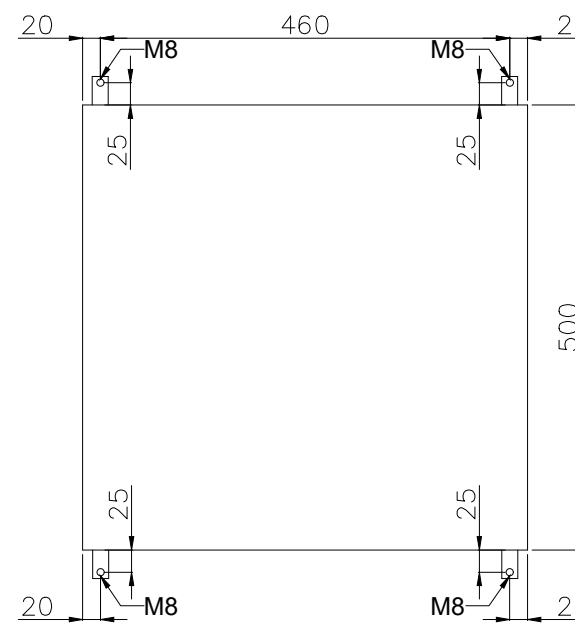
Bottom View



Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for ESD Pushbutton)
4. M25 - 1x (Spare)
5. M32 - 1x (Cable for Pushbuttons & Lamps)
6. M32 - 1x (Spare)

Back (Outside) View Mounting Details



GENERAL NOTES

- NOTES
1. PANEL DIMENSIONS: 500x500x210mm
 2. PANEL MATERIAL: SS316L STAINLESS STEEL
 3. PANEL COLOR: RAL5017 (BLUE)
 4. PANEL WALL THICKNESS: 1.6mm
 5. PANEL WEIGHT: ~20kg
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 7. AREA CLASSIFICATION: Ex II 3G IIC T3 Eex'e'
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 12. BLUE SLOTTED CABLE TRUNKING WILL BE PROVIDED FOR INTRINSICALLY SAFE SIGNALS.
 13. SPARES WILL BE PLUGGED WITH SUS Ex PLUG
 14. GLANDS WILL BE Ex'd IP65 NICKEL PLATED BRASS TYPE GLANDS
 15. ALL DIMENSIONS IN mm.
 16. EXTERNAL EARTH BOLT AND RELATED PARTS ARE ALL COPPER.

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

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA JFC 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.
02	16/Jul/25	ISSUED FOR APPROVAL	RT	RB	SC	-
01	25/Apr/25	ISSUED FOR APPROVAL	RT	RB	SC	-
00	24/Mar/25	ISSUED FOR APPROVAL	RT	RB	SC	-

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:

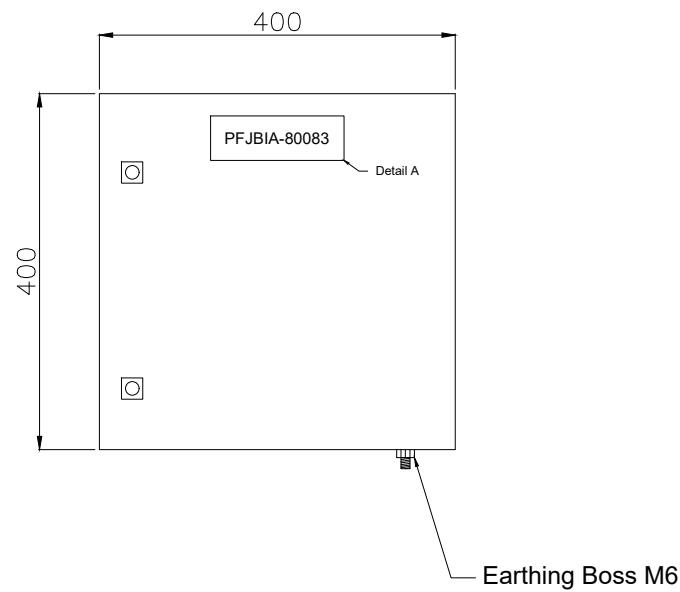


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LOCAL CONTROL PANEL 44LCP-8004031

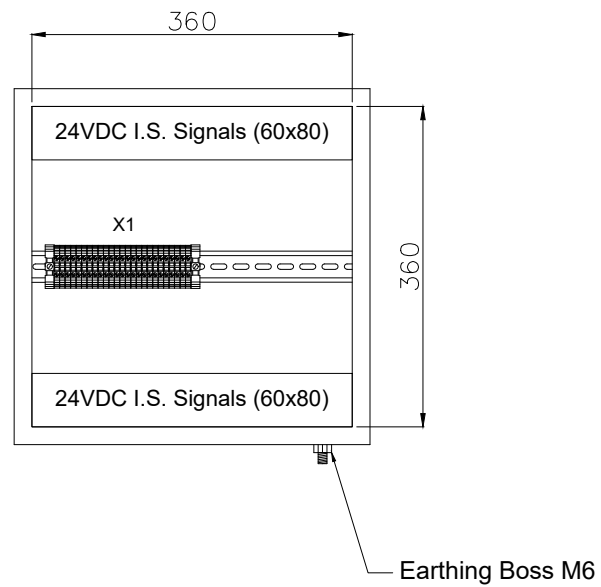
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PFJBIA-80083

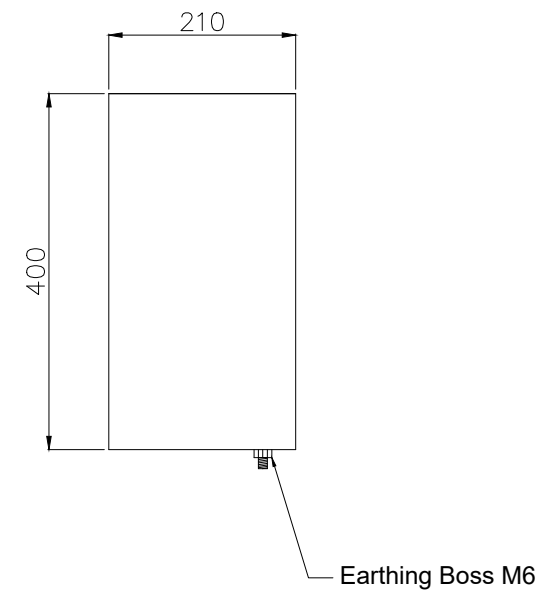
Front Side (Outside) View



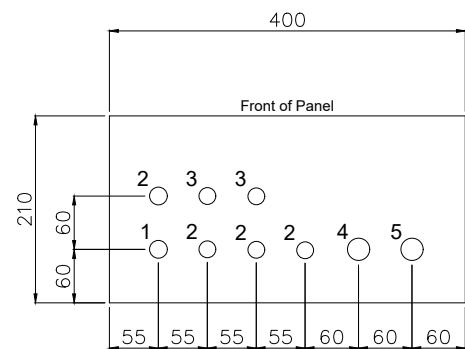
Front Side (Inside) View



Side (Outside) View



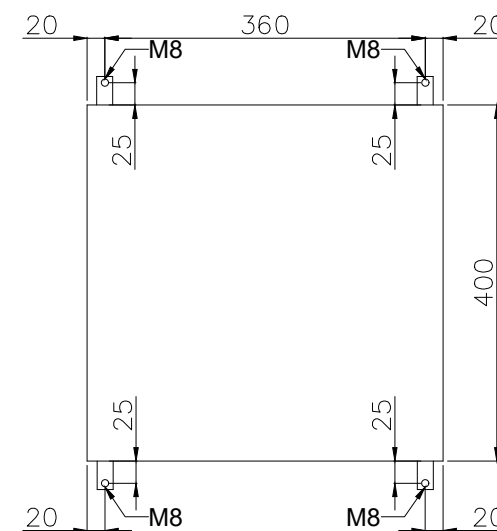
Bottom View



Gland Entry Details

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

Back (Outside) View Mounting Details



GENERAL NOTES

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

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

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA JFC ASB/IFIN

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

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDRO JOB NO.:

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

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:



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

OWNER 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. 15 OF 34 REV. 02

No.	Description	Tag Number	Make	Model	Qty.
1	Running Indication Lamp (Green)	3H4	Bartec	07-3351-1420	1
2	Fault Indication Lamp (Amber)	3H6	Bartec	07-3351-1430	1
3	Start Pushbutton (Green)	2S4	Bartec	07-3353-400	1
4	Stop Pushbutton (Red)	2S6	Bartec	07-3353-400	1
5	Lamp Test Pushbutton (Black)	2S8	Bartec	07-3353-400	1
6	Emergency Shutdown Pushbutton with Protective Cover	4S4	Bartec	05-0003-00 0800	1
Terminal Strip Definition					
X1	Connection Pushbuttons & Lamps	X1	Phoenix Contact	3211760	16
X9	Connection ESD Pushbutton	X9	Phoenix Contact	3211760	16

GENERAL NOTES


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

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

LEGEND

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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.
02	16/Jul/25	ISSUED FOR APPROVAL	RT	RB	SC	-
01	25/Apr/25	ISSUED FOR APPROVAL	RT	RB	SC	-
00	24/Mar/25	ISSUED FOR APPROVAL	RT	RB	SC	-



OWNER:





PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)


MC:

CONTRACTOR:

VENDOR:



DRAWING TITLE:

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

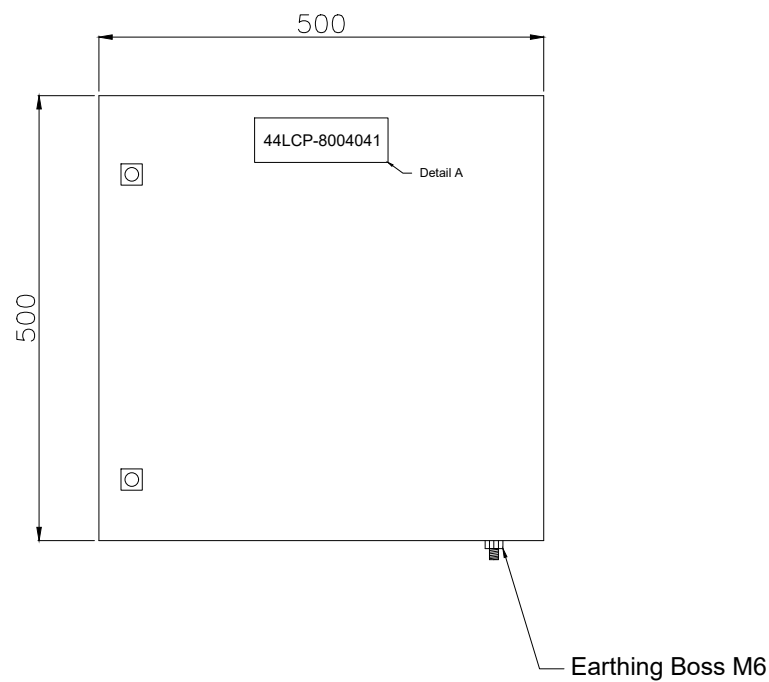
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OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT	TYPE	SEQ.
3944	VD	0171	DYP	RE	400	DWG	0003
SCALE:	NONE	SIZE:	A0	SHEET NO.	16 OF 34	REV.	02

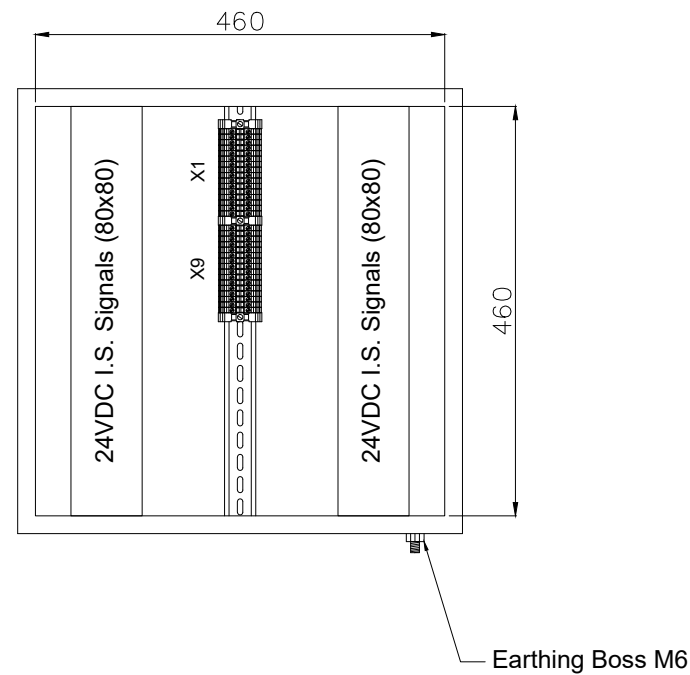
THIS DOCUMENT WITH ALL ITS RIGHTS IS THE PROPERTY OF A.S.P.C. AND MUST BE HELD IN CONFIDENCE. NO DISCLOSURE, REPRODUCTION OR OTHER USE OF THE DOCUMENT IN WHOLE OR A PORTIONS TO BE MADE WITHOUT THE PRIOR CONSENT OF A.S.P.C.

44LCP-8004041

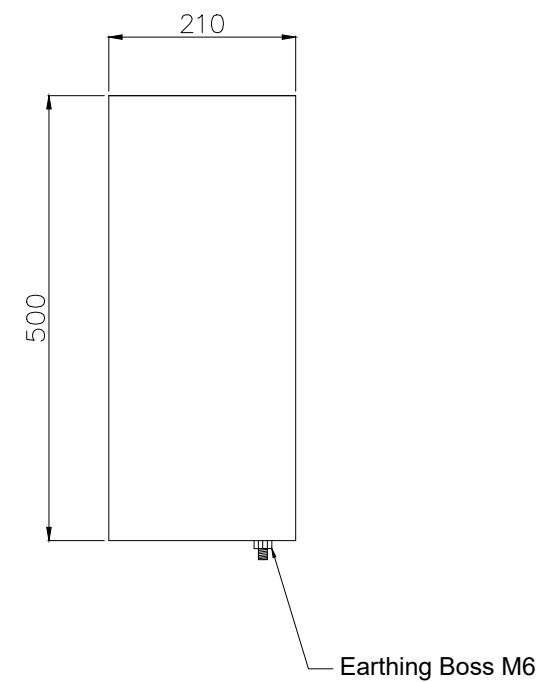
Front Side (Outside) View



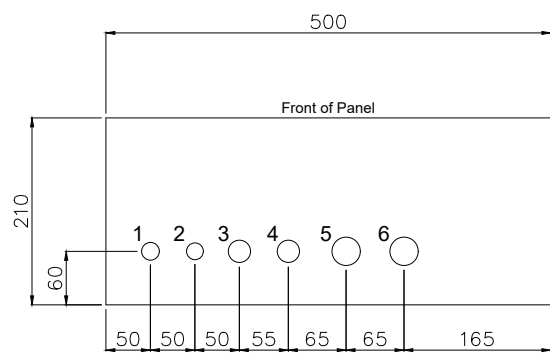
Front Side (Inside) View



Side (Outside) View



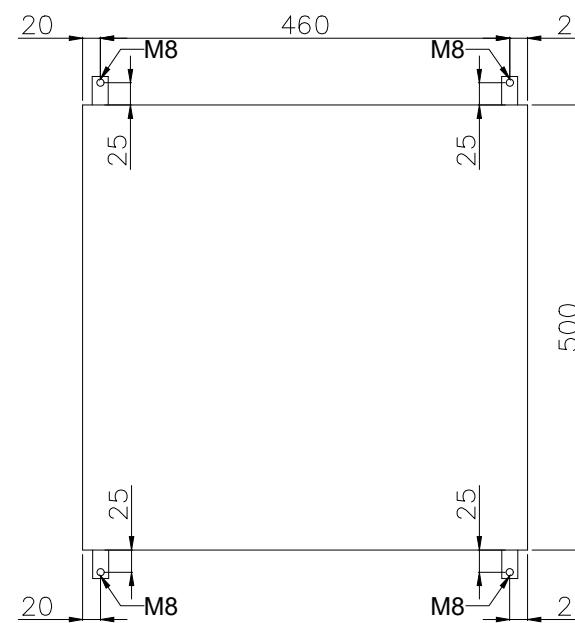
Bottom View



Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for ESD Pushbutton)
4. M25 - 1x (Spare)
5. M32 - 1x (Cable for Pushbuttons & Lamps)
6. M32 - 1x (Spare)

Back (Outside) View Mounting Details



GENERAL NOTES

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

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

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA JAF ASB/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.
02	16/Jul/25	ISSUED FOR APPROVAL	RT	RB	SC	-
01	25/Apr/25	ISSUED FOR APPROVAL	RT	RB	SC	-
00	24/Mar/25	ISSUED FOR APPROVAL	RT	RB	SC	-

OWNER:



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

MC:

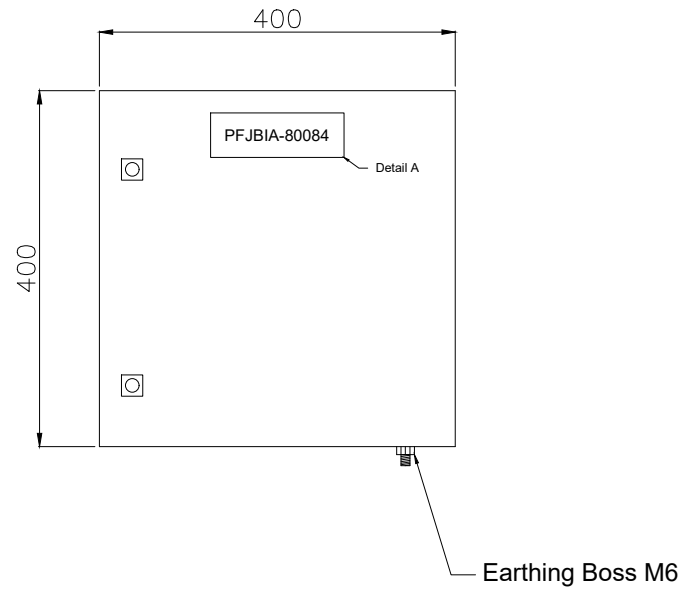
CONTRACTOR: VENDOR:

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LOCAL CONTROL PANEL 44LCP-8004041

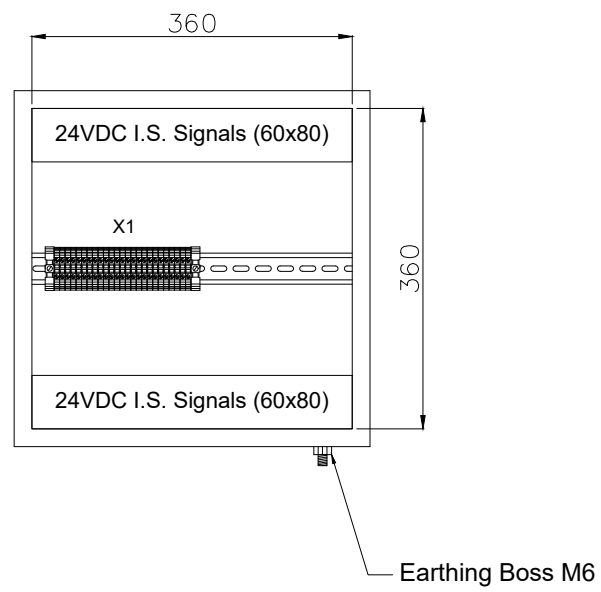
OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT	TYPE	SEQ.
3944	VD	0171	DYP	RE	400	DWG	0003
SCALE:	NONE	SIZE:	A0	SHEET NO.	17	OF 34	REV. 02

PFJBIA-80084

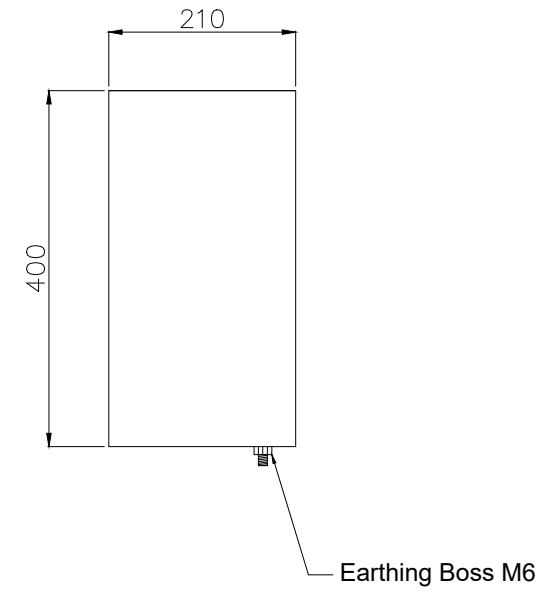
Front Side (Outside) View



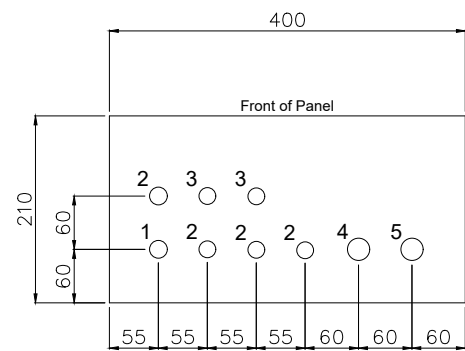
Front Side (Inside) View



Side (Outside) View



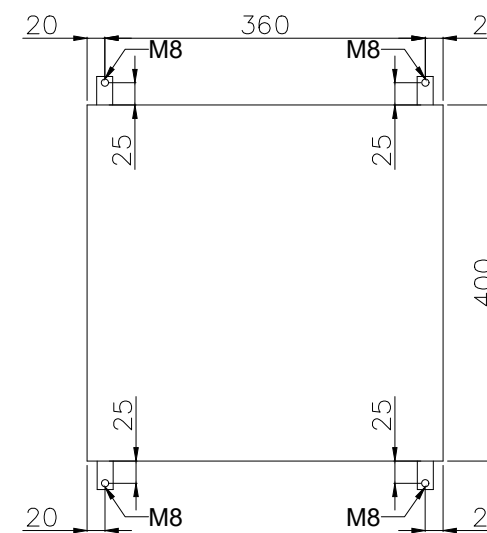
Bottom View



Gland Entry Details

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

Back (Outside) View Mounting Details



GENERAL NOTES

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

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

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA JFC ASB/IFIN

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

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDRO JOB NO.:

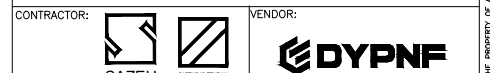
REV.	DATE	PURPOSE OF ISSUE (P.O.I.)	PREP.	CHKD.	APPR.	AC.
02	16/Jul/25	ISSUED FOR APPROVAL	RT	RB	SC	-
01	25/Apr/25	ISSUED FOR APPROVAL	RT	RB	SC	-
00	24/Mar/25	ISSUED FOR APPROVAL	RT	RB	SC	-

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)



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

OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT	TYPE	SEQ.
3944	VD	0171	DYP	RE	400	DWG	0003
SCALE:	NONE	SIZE:	A0	SHEET NO.	18 OF 34	REV.	02

No.	Description	Tag Number	Make	Model	Qty.
1	Running Indication Lamp (Green)	3H4	Bartec	07-3351-1420	1
2	Fault Indication Lamp (Amber)	3H6	Bartec	07-3351-1430	1
3	Start Pushbutton (Green)	2S4	Bartec	07-3353-400	1
4	Stop Pushbutton (Red)	2S6	Bartec	07-3353-400	1
5	Lamp Test Pushbutton (Black)	2S8	Bartec	07-3353-400	1
6	Emergency Shutdown Pushbutton with Protective Cover	4S4	Bartec	05-0003-00 0800	1
Terminal Strip Definition					
X1	Connection Pushbuttons & Lamps	X1	Phoenix Contact	3211760	16
X9	Connection ESD Pushbutton	X9	Phoenix Contact	3211760	16

GENERAL NOTES

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

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

LEGEND

RESULT CODE: AP AN CO RE

NEXT STATUS: IFI IFA AFC ASB/IFIN

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

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

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

OWNER:


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

MC:
 

CONTRACTOR:
 

VENDOR:

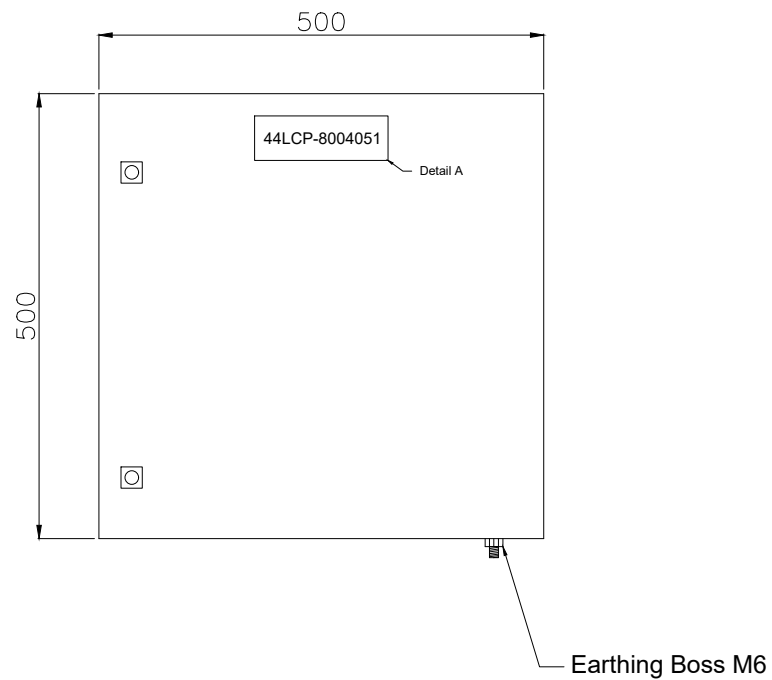

DRAWING TITLE:
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BILL OF MATERIALS FOR
LOCAL CONTROL PANEL 44LCP-8004051

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

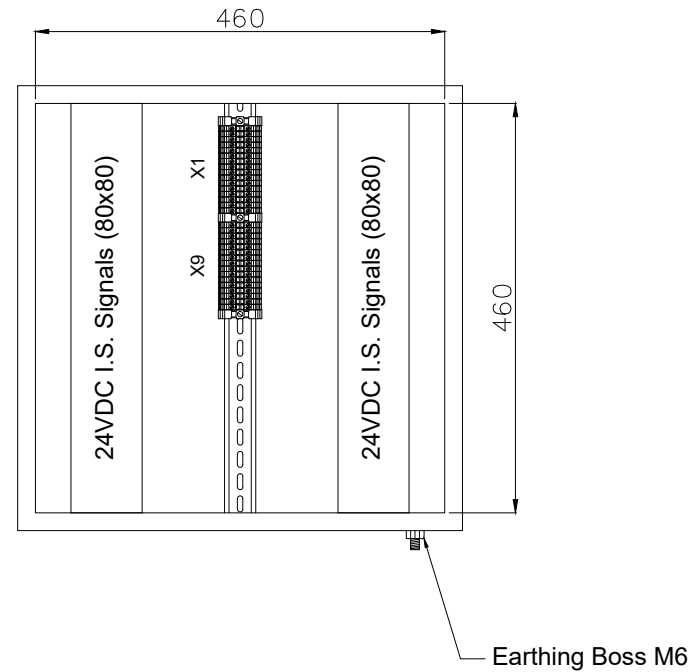
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44LCP-8004051

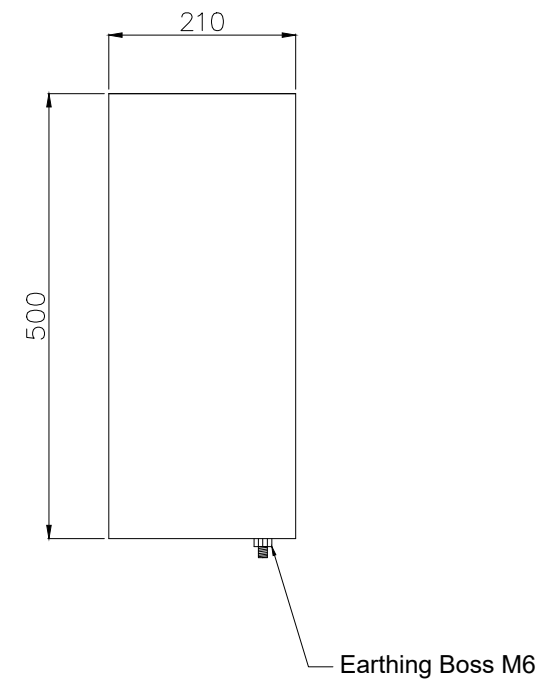
Front Side (Outside) View



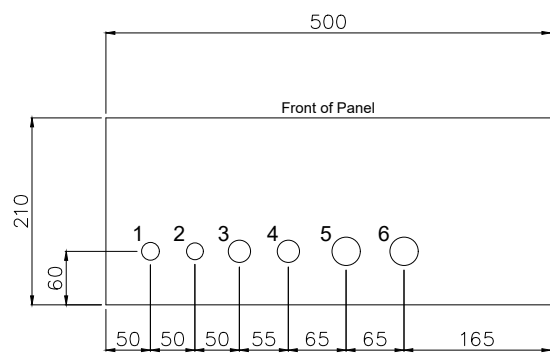
Front Side (Inside) View



Side (Outside) View



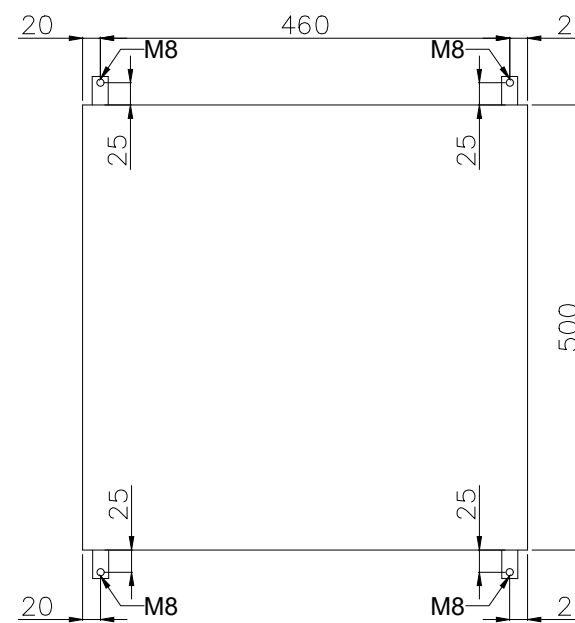
Bottom View



Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for ESD Pushbutton)
4. M25 - 1x (Spare)
5. M32 - 1x (Cable for Pushbuttons & Lamps)
6. M32 - 1x (Spare)

Back (Outside) View Mounting Details



GENERAL NOTES

NOTES

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

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

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA JFC ASB/IFIN

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

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDRO JOB NO.:

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

OWNER:



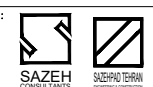
PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:

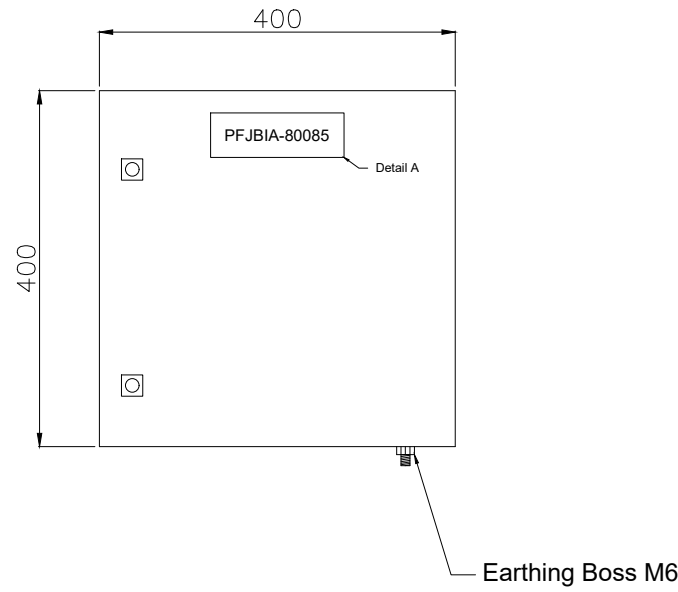


DRAWING TITLE:
PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44LCP-8004051

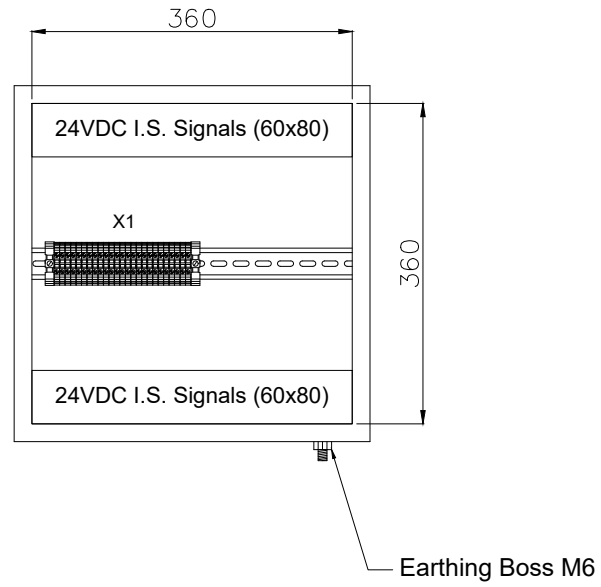
OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT	TYPE	SEQ.	
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PFJBIA-80085

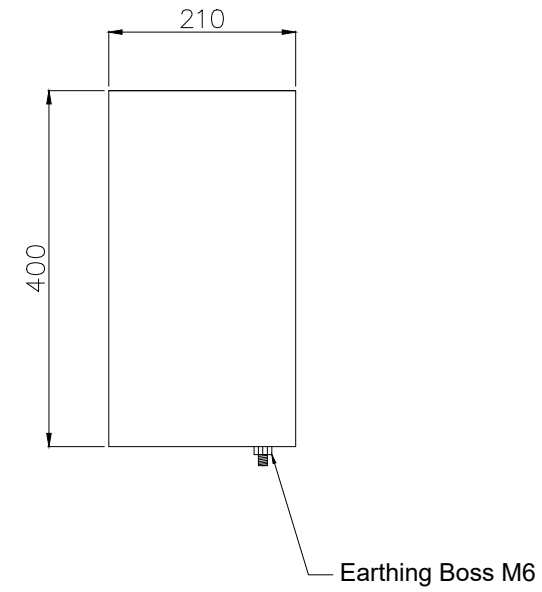
Front Side (Outside) View



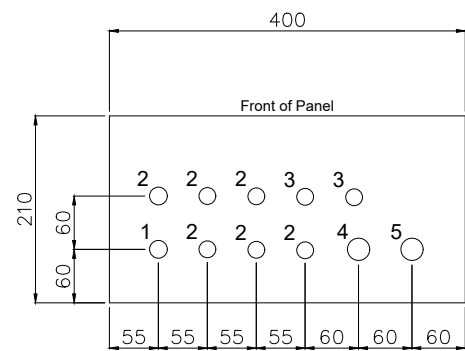
Front Side (Inside) View



Side (Outside) View



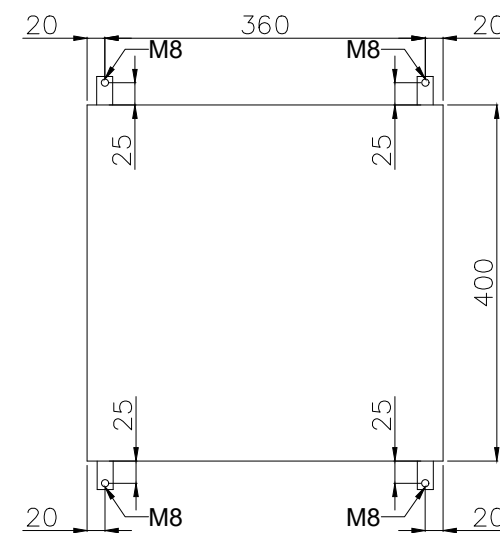
Bottom View



Gland Entry Details

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

Back (Outside) View Mounting Details



GENERAL NOTES

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

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

LEGEND

RESULT CODE: AP AN CO RE REVISION DATE:

NEXT STATUS: IFI IFA JFC ASB/IFIN

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

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDRO JOB NO.:

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

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



DRAWING TITLE:

PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL PFJBIA-80085

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. 21 OF 34 REV. 02


No.	Description	Tag Number	Make	Model	Qty.
1	Running Indication Lamp (Green)	3H4	Bartec	07-3351-1420	1
2	Fault Indication Lamp (Amber)	3H6	Bartec	07-3351-1430	1
3	Start Pushbutton (Green)	2S4	Bartec	07-3353-400	1
4	Stop Pushbutton (Red)	2S6	Bartec	07-3353-400	1
5	Lamp Test Pushbutton (Black)	2S8	Bartec	07-3353-400	1
6	Emergency Shutdown Pushbutton with Protective Cover	4S4	Bartec	05-0003-00 0800	1
Terminal Strip Definition					
X1	Connection Pushbuttons & Lamps	X1	Phoenix Contact	3211760	16
X9	Connection ESD Pushbutton	X9	Phoenix Contact	3211760	16

GENERAL NOTES	
NOTES 1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM.	
REF DRAWINGS	DWG.No.
Wiring Diagram	3944-VD-0171-DYP-RE-400-DIA-0002
I/O List	3944-VD-0171-DYP-RE-400-LST-0080
E&I System Config Diag.	3944-VD-0171-DYP-RE-400-DIA-0078

LEGEND	

RESULT CODE:	<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.
02	16/Jul/25	ISSUED FOR APPROVAL	RT	RB	SC	-
01	25/Apr/25	ISSUED FOR APPROVAL	RT	RB	SC	-
00	24/Mar/25	ISSUED FOR APPROVAL	RT	RB	SC	-



OWNER:





PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)


MC:

CONTRACTOR:

VENDOR:

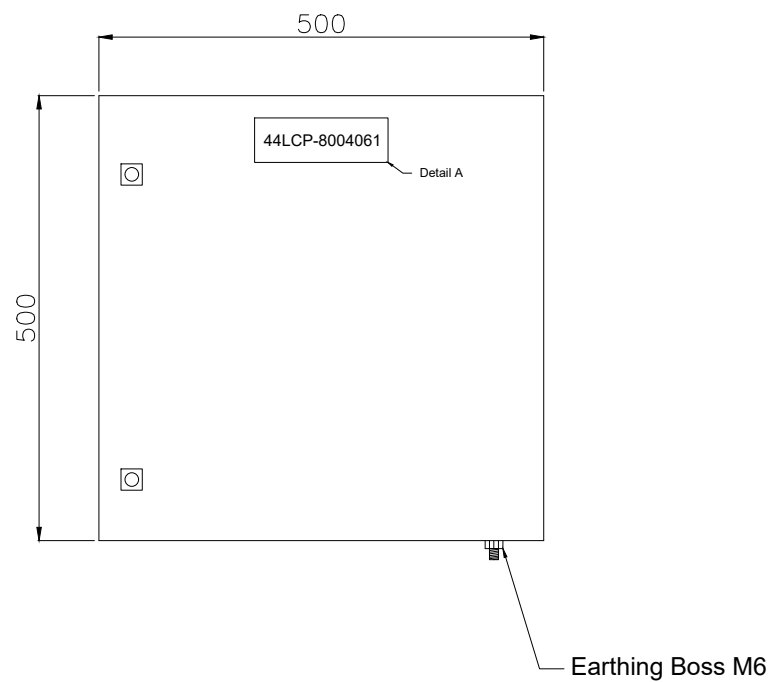


DRAWING TITLE:						
PANEL LAYOUT DRAWING BILL OF MATERIALS FOR LOCAL CONTROL PANEL 44LCP-8004061						
OWNER DOC. NO.						
OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT	TYPE SEQ.
3944	VD	0171	DYP	RE	400	DWG 0003
SCALE:	NONE	SIZE:	A0	SHEET NO.	22 OF 34	REV. 02

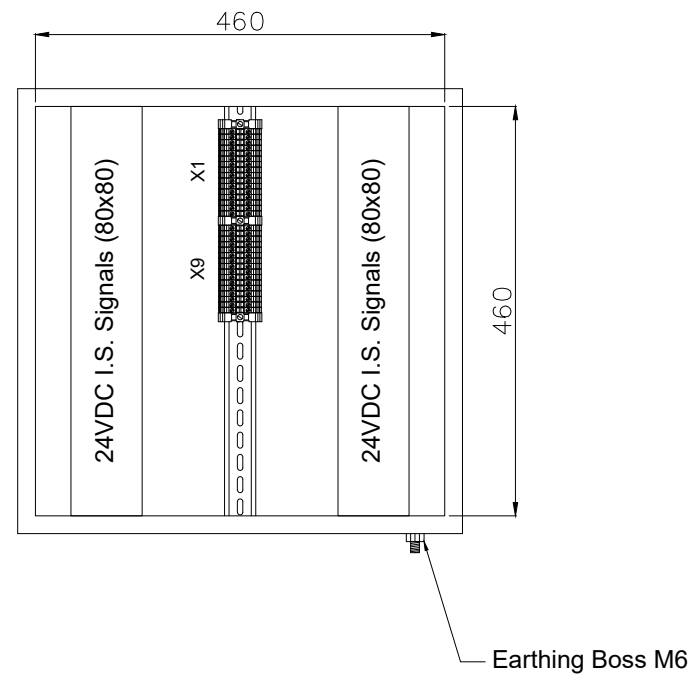
THIS DOCUMENT WITH ALL ITS RIGHTS IS THE PROPERTY OF A.S.P.C. AND MUST BE KEPT IN CONFIDENCE. NO DISCLOSURE, REPRODUCTION OR OTHER USE OF THE DOCUMENT IN WHOLE OR A PORTIONS TO BE MADE WITHOUT THE PRIOR CONSENT OF A.S.P.C.

44LCP-8004061

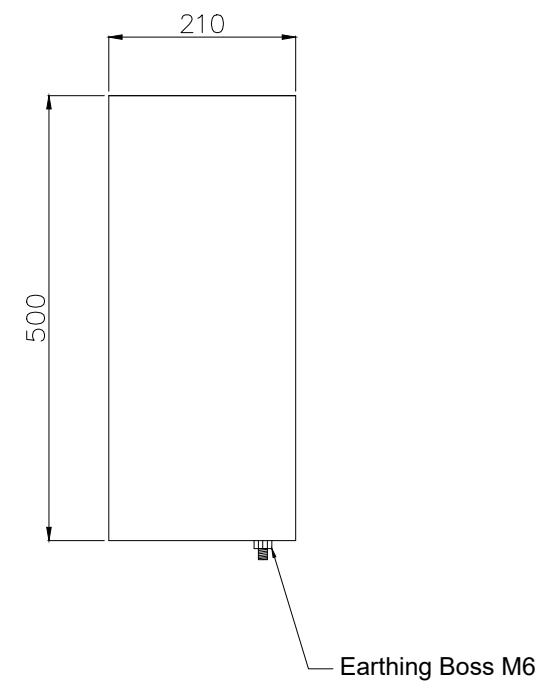
Front Side (Outside) View



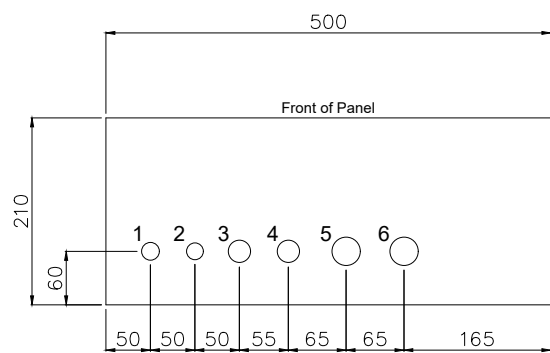
Front Side (Inside) View



Side (Outside) View



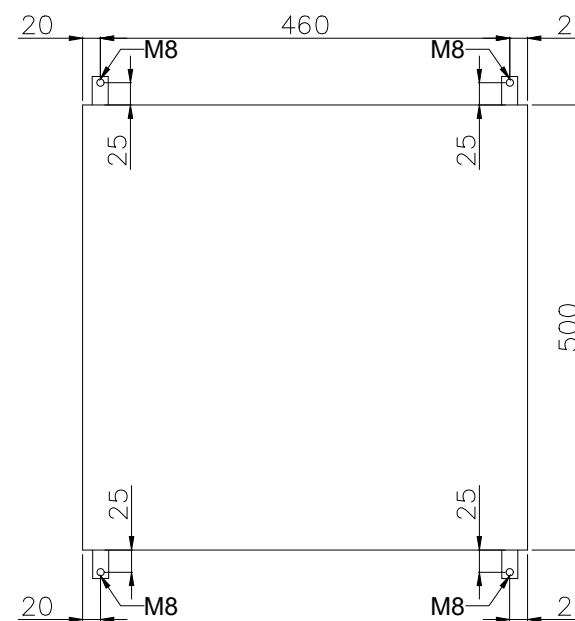
Bottom View



Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for ESD Pushbutton)
4. M25 - 1x (Spare)
5. M32 - 1x (Cable for Pushbuttons & Lamps)
6. M32 - 1x (Spare)

Back (Outside) View Mounting Details



GENERAL NOTES

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

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

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA JFC ASB/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.
02	16/Jul/25	ISSUED FOR APPROVAL	RT	RB	SC	-
01	25/Apr/25	ISSUED FOR APPROVAL	RT	RB	SC	-
00	24/Mar/25	ISSUED FOR APPROVAL	RT	RB	SC	-

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



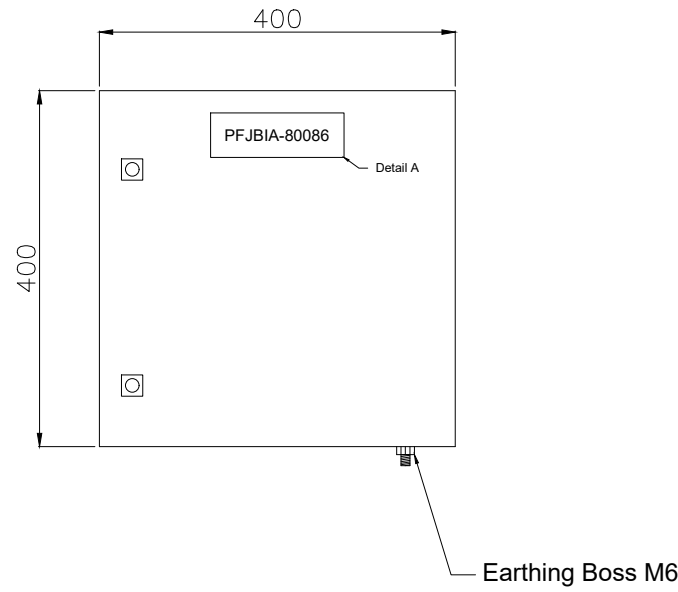
DRAWING TITLE:

PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44LCP-8004061

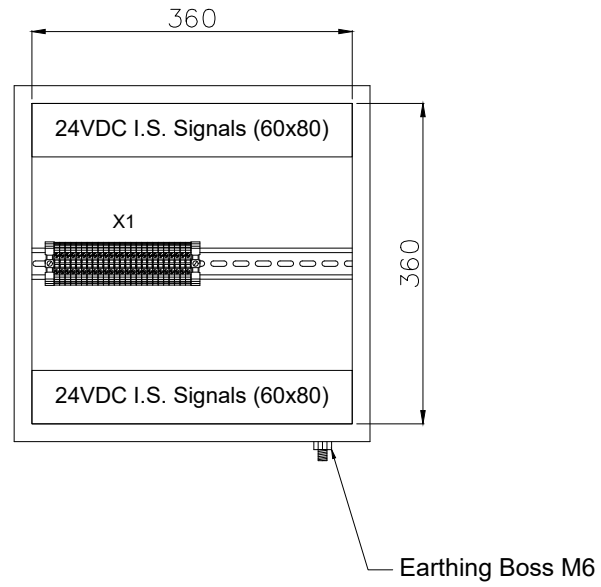
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3944	VD	0171	DYP	RE	400	DWG	0003
SCALE: NONE	SIZE: A0	SHEET NO. 23	OF 34	REV. 02			

PFJBIA-80086

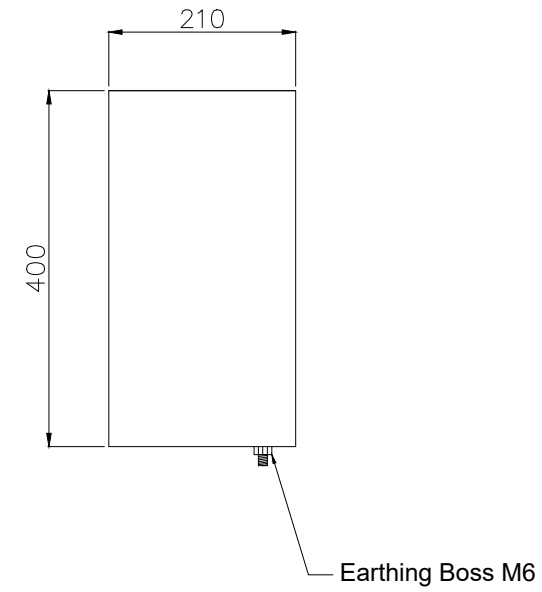
Front Side (Outside) View



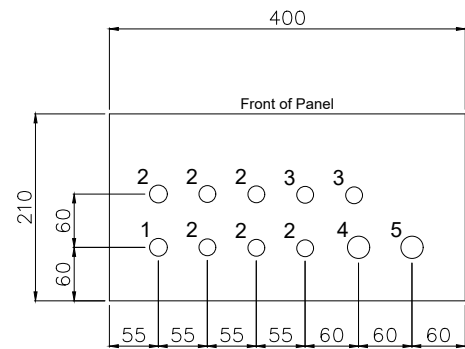
Front Side (Inside) View



Side (Outside) View



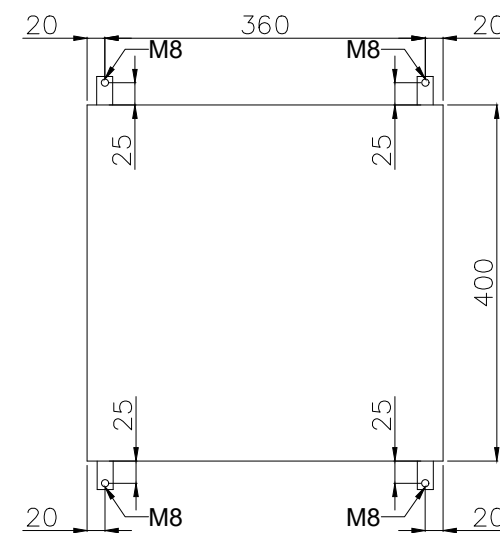
Bottom View



Gland Entry Details

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

Back (Outside) View Mounting Details



GENERAL NOTES

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

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

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA JFC ASB/IFIN

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

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDRO JOB NO.:

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

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)



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

OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT	TYPE	SEQ.
3944	VD	0171	DYP	RE	400	DWG	0003
SCALE:	NONE	SIZE:	A0	SHEET NO.	24	OF 34	REV. 02


No.	Description	Tag Number	Make	Model	Qty.
1	Running Indication Lamp (Green)	3H4	Bartec	07-3351-1420	1
2	Fault Indication Lamp (Amber)	3H6	Bartec	07-3351-1430	1
3	Start Pushbutton (Green)	2S4	Bartec	07-3353-400	1
4	Stop Pushbutton (Red)	2S6	Bartec	07-3353-400	1
5	Lamp Test Pushbutton (Black)	2S8	Bartec	07-3353-400	1
6	Emergency Shutdown Pushbutton with Protective Cover	4S4	Bartec	05-0003-00 0800	1
Terminal Strip Definition					
X1	Connection Pushbuttons & Lamps	X1	Phoenix Contact	3211760	16
X9	Connection ESD Pushbutton	X9	Phoenix Contact	3211760	16

GENERAL NOTES	
NOTES 1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM.	
REF DRAWINGS	DWG.No.
Wiring Diagram	3944-VD-0171-DYP-RE-400-DIA-0002
I/O List	3944-VD-0171-DYP-RE-400-LST-0080
E&I System Config Diag.	3944-VD-0171-DYP-RE-400-DIA-0078

LEGEND	

RESULT CODE:	<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.:					
02	16/Jul/25	ISSUED FOR APPROVAL	RT	RB	SC -
01	25/Apr/25	ISSUED FOR APPROVAL	RT	RB	SC -
00	24/Mar/25	ISSUED FOR APPROVAL	RT	RB	SC -
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:

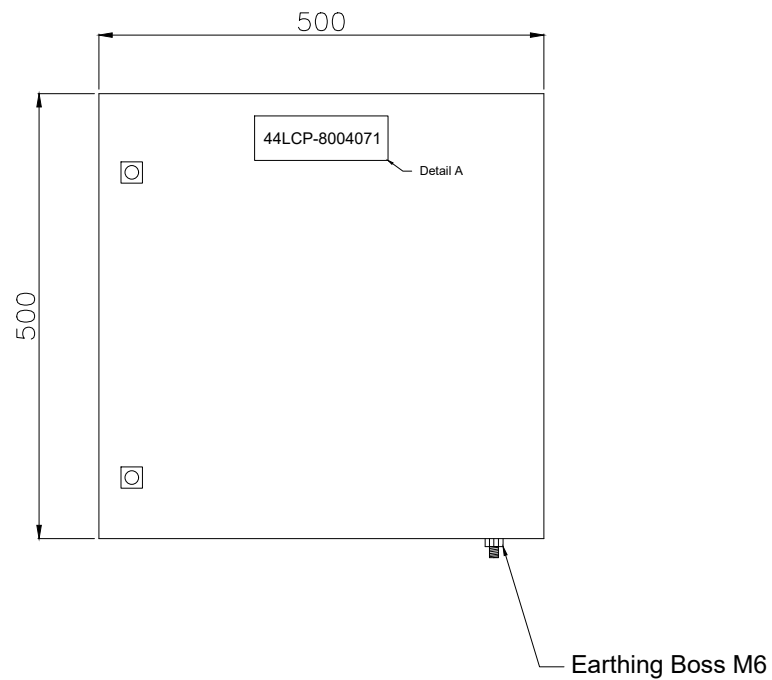


DRAWING TITLE:						
PANEL LAYOUT DRAWING BILL OF MATERIALS FOR LOCAL CONTROL PANEL 44LCP-8004071						
OWNER DOC. NO.						
OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT	TYPE SEQ.
3944	VD	0171	DYP	RE	400	DWG 0003
SCALE:	NONE	SIZE:	A0	SHEET NO.	25 OF 34	REV. 02

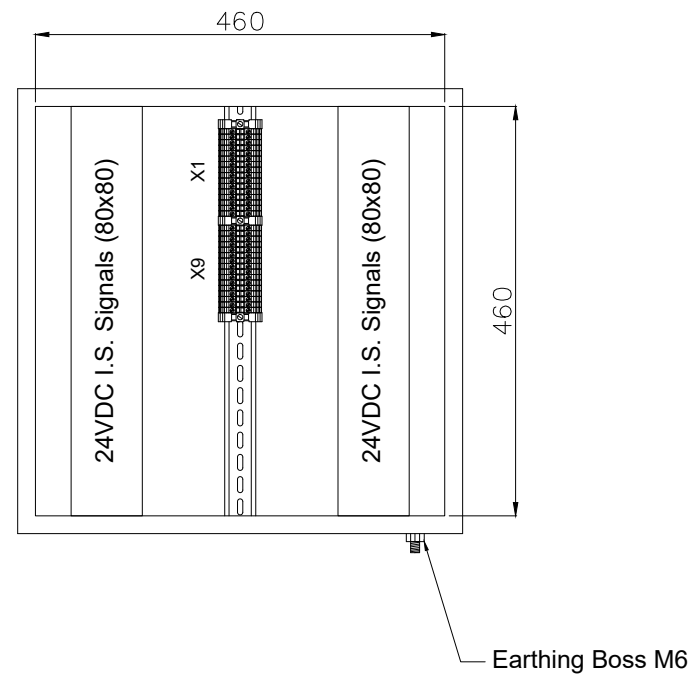
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44LCP-8004071

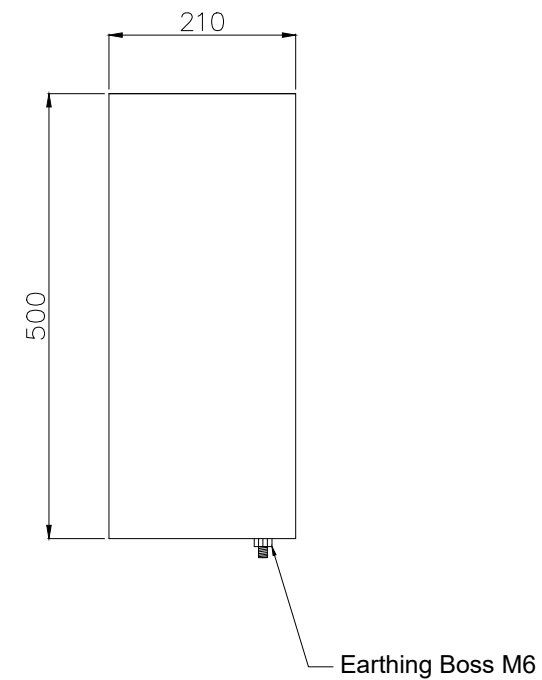
Front Side (Outside) View



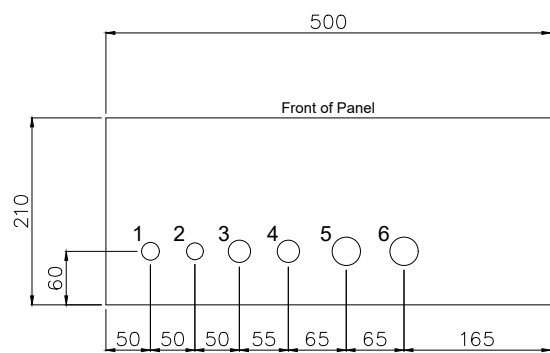
Front Side (Inside) View



Side (Outside) View



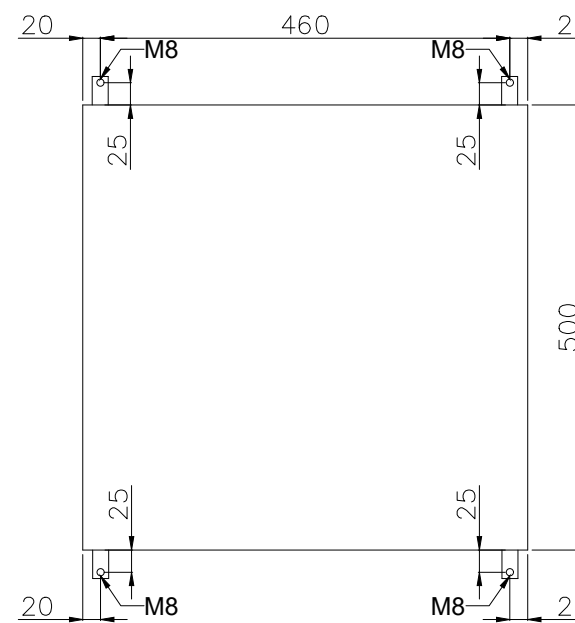
Bottom View



Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for ESD Pushbutton)
4. M25 - 1x (Spare)
5. M32 - 1x (Cable for Pushbuttons & Lamps)
6. M32 - 1x (Spare)

Back (Outside) View Mounting Details



GENERAL NOTES

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

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

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA AFC ASB/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.
02	16/Jul/25	ISSUED FOR APPROVAL	RT	RB	SC	-
01	25/Apr/25	ISSUED FOR APPROVAL	RT	RB	SC	-
00	24/Mar/25	ISSUED FOR APPROVAL	RT	RB	SC	-

OWNER:



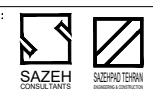
PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



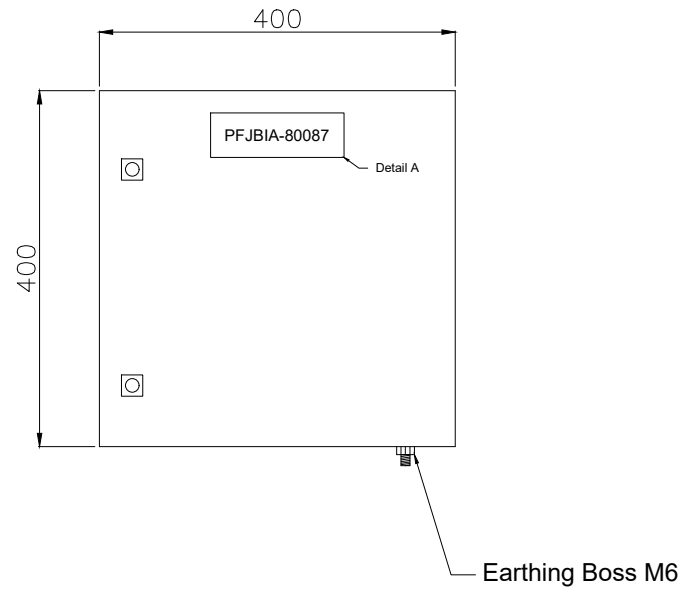
DRAWING TITLE:

PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44LCP-8004071

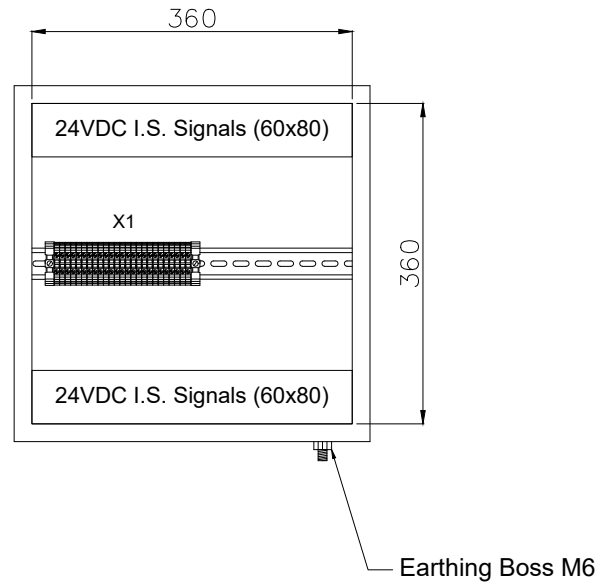
OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT	TYPE	SEQ.
3944	VD	0171	DYP	RE	400	DWG	0003
SCALE:	NONE	SIZE:	A0	SHEET NO.	26	OF 34	REV. 02

PFJBIA-80087

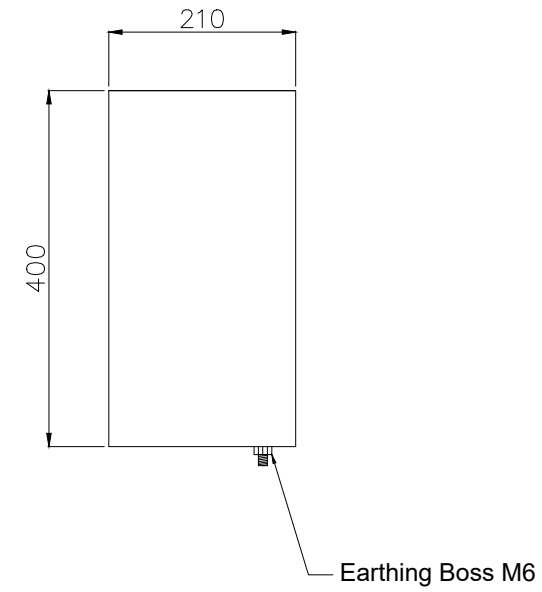
Front Side (Outside) View



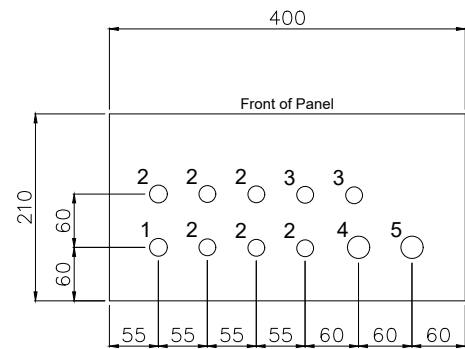
Front Side (Inside) View



Side (Outside) View



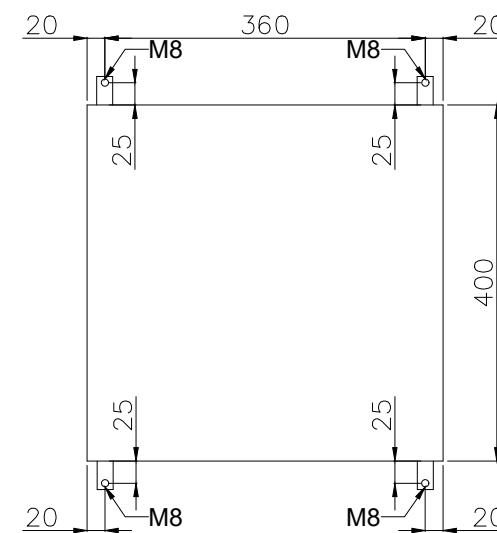
Bottom View



Gland Entry Details

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

Back (Outside) View Mounting Details



GENERAL NOTES

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

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

LEGEND

RESULT CODE: AP AN CO RE REVISION DATE:

NEXT STATUS: IFI IFA JFC ASB/IFIN

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

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDRO JOB NO.:

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

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)



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

OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT	TYPE	SEQ.
3944	VD	0171	DYP	RE	400	DWG	0003
SCALE:	NONE	SIZE:	A0	SHEET NO.	27	OF 34	REV. 02

No.	Description	Tag Number	Make	Model	Qty.
1	Running Indication Lamp (Green)	3H4	Bartec	07-3351-1420	1
2	Fault Indication Lamp (Amber)	3H6	Bartec	07-3351-1430	1
3	Start Pushbutton (Green)	2S4	Bartec	07-3353-400	1
4	Stop Pushbutton (Red)	2S6	Bartec	07-3353-400	1
5	Lamp Test Pushbutton (Black)	2S8	Bartec	07-3353-400	1
6	Emergency Shutdown Pushbutton with Protective Cover	4S4	Bartec	05-0003-00 0800	1
Terminal Strip Definition					
X1	Connection Pushbuttons & Lamps	X1	Phoenix Contact	3211760	16
X9	Connection ESD Pushbutton	X9	Phoenix Contact	3211760	16

GENERAL NOTES

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

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

LEGEND

RESULT CODE: AP AN CO RE

NEXT STATUS: IFI IFA AFC ASB/IFIN

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

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

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



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



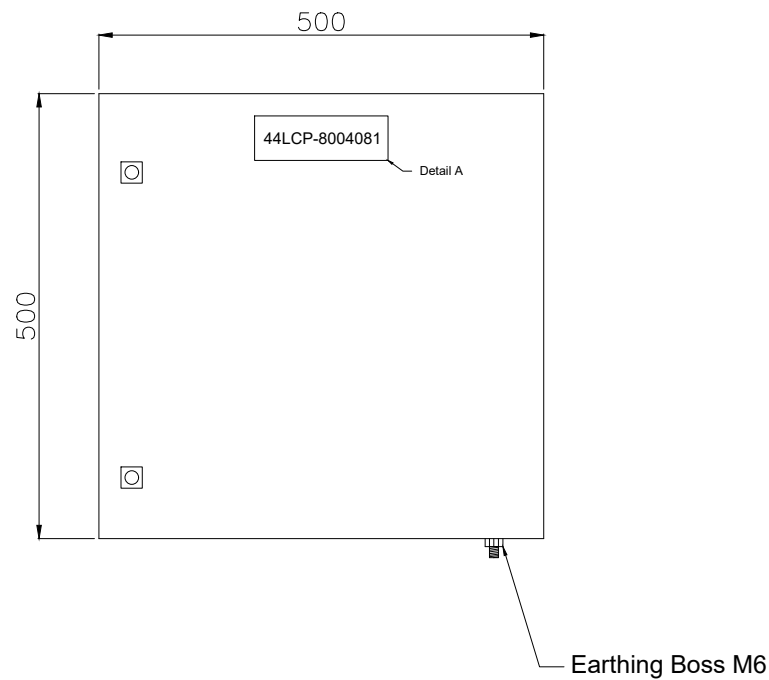
DRAWING TITLE:
PANEL LAYOUT DRAWING
BILL OF MATERIALS FOR
LOCAL CONTROL PANEL 44LCP-8004081

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

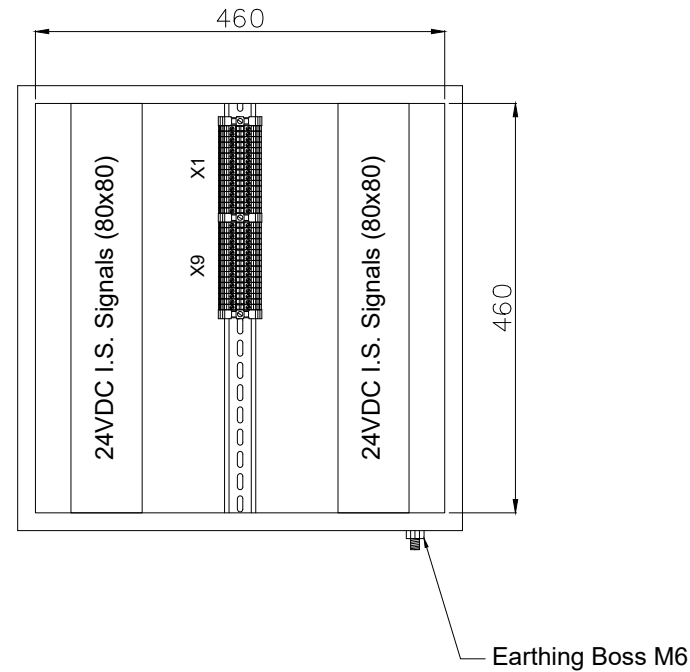
SCALE: NONE SIZE: A0 SHEET NO. 28 OF 34 REV. 02

44LCP-8004081

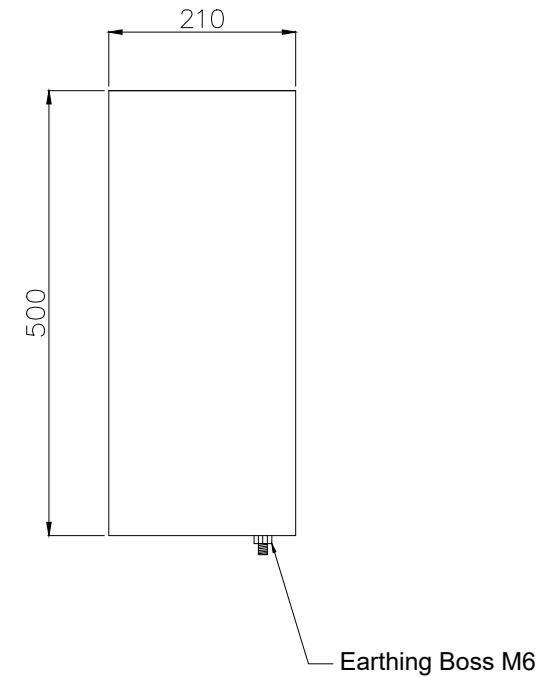
Front Side (Outside) View



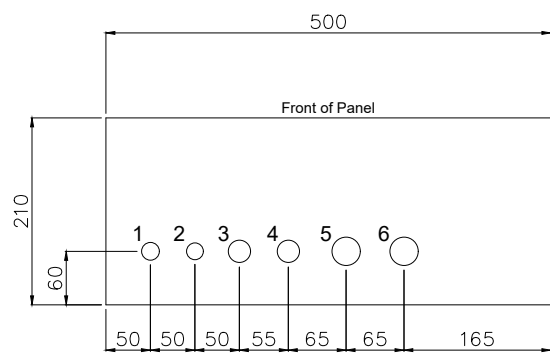
Front Side (Inside) View



Side (Outside) View



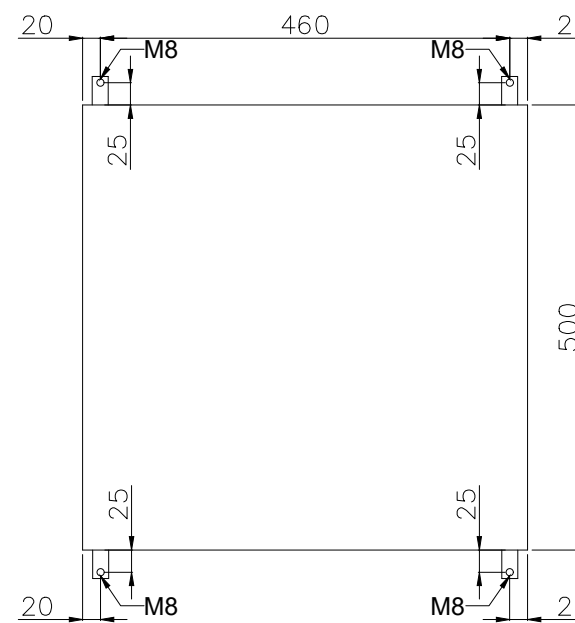
Bottom View



Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for ESD Pushbutton)
4. M25 - 1x (Spare)
5. M32 - 1x (Cable for Pushbuttons & Lamps)
6. M32 - 1x (Spare)

Back (Outside) View Mounting Details



GENERAL NOTES

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

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

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA JFC ASB/IFIN

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

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDRO JOB NO.:

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

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:

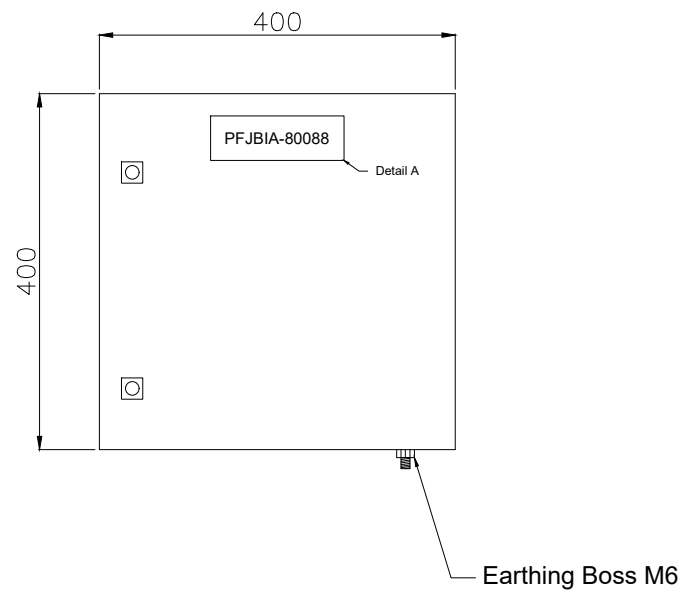


DRAWING TITLE:
PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44LCP-8004081

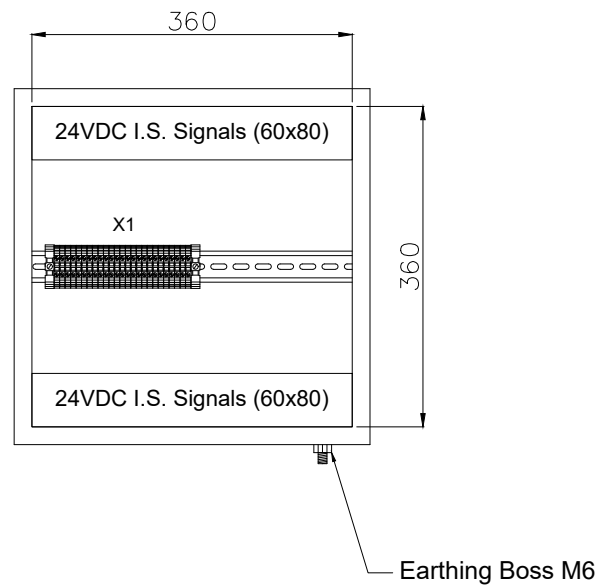
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3944	VD	0171	DYP	RE	400	DWG	0003
SCALE:	NONE	SIZE:	A0	SHEET NO.	29	OF 34	REV. 02

PFJBIA-80088

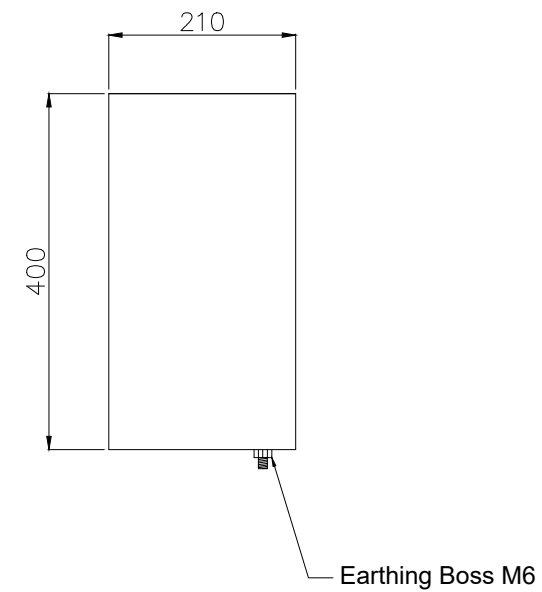
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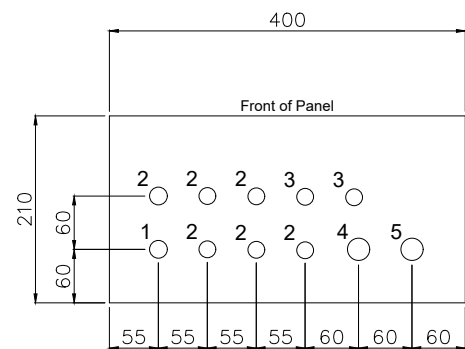
Front Side (Inside) View



Side (Outside) View



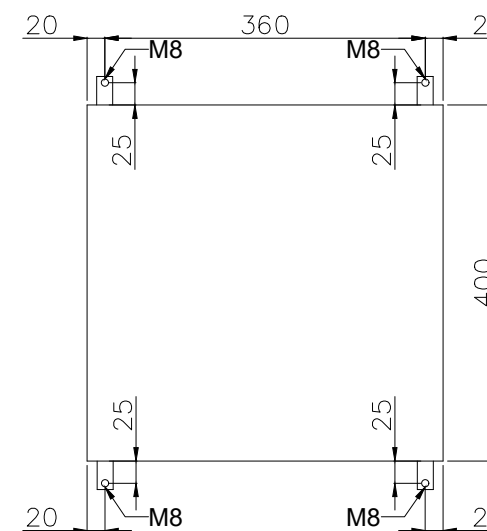
Bottom View



Gland Entry Details

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

Back (Outside) View Mounting Details



GENERAL NOTES

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

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

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA JFC ASB/IFIN

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

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDRO JOB NO.:

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

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:



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

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. 30 OF 34 REV. 02


No.	Description	Tag Number	Make	Model	Qty.
1	Running Indication Lamp (Green)	3H4	Bartec	07-3351-1420	1
2	Fault Indication Lamp (Amber)	3H6	Bartec	07-3351-1430	1
3	Start Pushbutton (Green)	2S4	Bartec	07-3353-400	1
4	Stop Pushbutton (Red)	2S6	Bartec	07-3353-400	1
5	Lamp Test Pushbutton (Black)	2S8	Bartec	07-3353-400	1
6	Emergency Shutdown Pushbutton with Protective Cover	4S4	Bartec	05-0003-00 0800	1
Terminal Strip Definition					
X1	Connection Pushbuttons & Lamps	X1	Phoenix Contact	3211760	16
X9	Connection ESD Pushbutton	X9	Phoenix Contact	3211760	16

GENERAL NOTES	
NOTES 1. BILL OF MATERIALS (BOM) AS PER THE LATEST WIRING DIAGRAM.	
REF DRAWINGS	DWG.No.
Wiring Diagram	3944-VD-0171-DYP-RE-400-DIA-0002
I/O List	3944-VD-0171-DYP-RE-400-LST-0080
E&I System Config Diag.	3944-VD-0171-DYP-RE-400-DIA-0078

LEGEND	



RESULT CODE:	<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.
02	16/Jul/25	ISSUED FOR APPROVAL	RT	RB	SC	-
01	25/Apr/25	ISSUED FOR APPROVAL	RT	RB	SC	-
00	24/Mar/25	ISSUED FOR APPROVAL	RT	RB	SC	-

OWNER:





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


MC:

CONTRACTOR:

VENDOR:



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

OWNER DOC. NO.

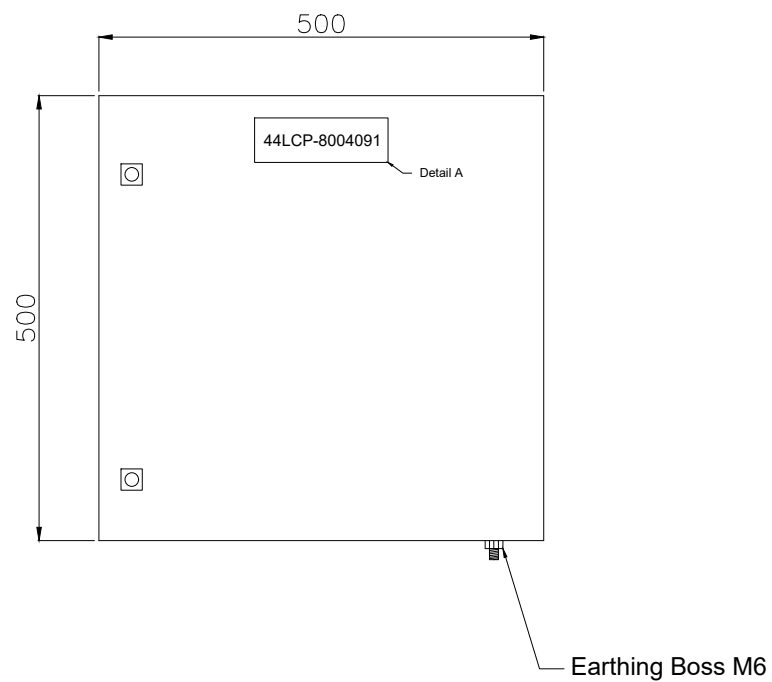
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3944	VD	0171	DYP	RE	400	DWG	0003

SCALE: NONE SIZE: A0 SHEET NO. 31 OF 34 REV. 02

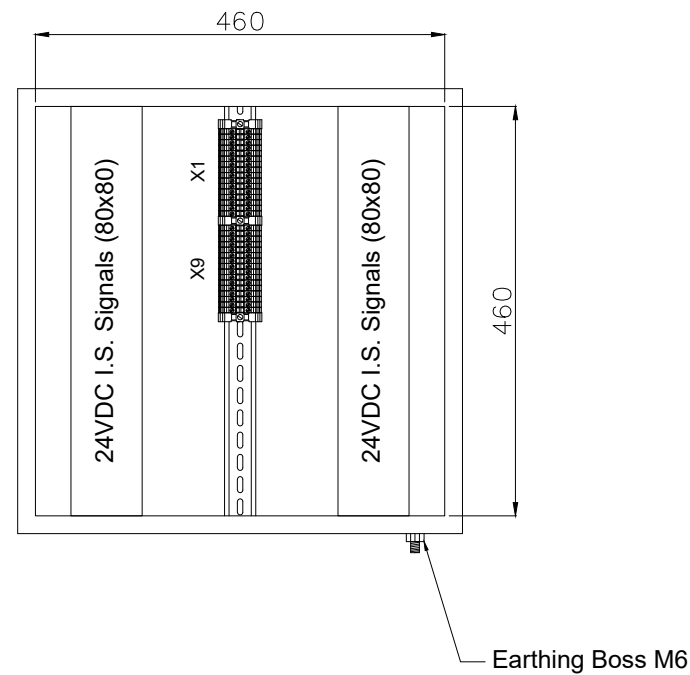
THIS DOCUMENT WITH ALL ITS RIGHTS IS THE PROPERTY OF A.S.P.C. AND MUST BE HELD IN CONFIDENCE. NO DISCLOSURE, REPRODUCTION OR OTHER USE OF THE DOCUMENT IN WHOLE OR A PORTIONS TO BE MADE WITHOUT THE PRIOR CONSENT OF A.S.P.C.

44LCP-8004091

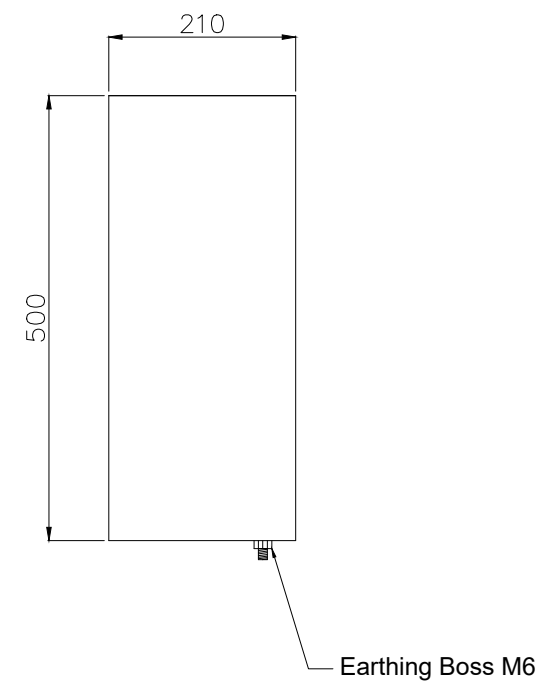
Front Side (Outside) View



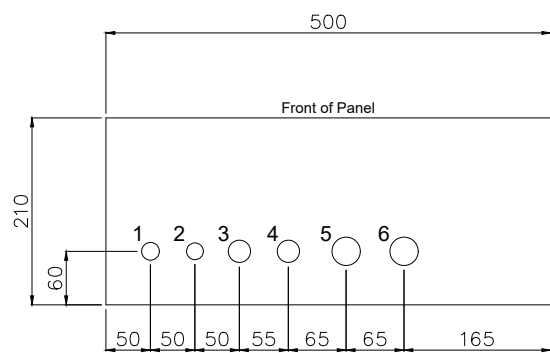
Front Side (Inside) View



Side (Outside) View



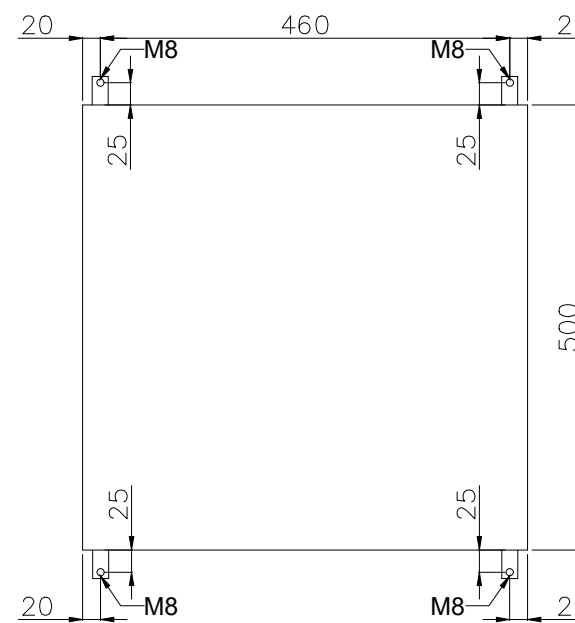
Bottom View



Gland Entry Details

1. M20 - 1x (Breather)
2. M20 - 1x (Spare)
3. M25 - 1x (Cable for ESD Pushbutton)
4. M25 - 1x (Spare)
5. M32 - 1x (Cable for Pushbuttons & Lamps)
6. M32 - 1x (Spare)

Back (Outside) View Mounting Details



GENERAL NOTES

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

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

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA JFC ASB/IFIN

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

P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDRO JOB NO.:

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

OWNER:



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

MC:

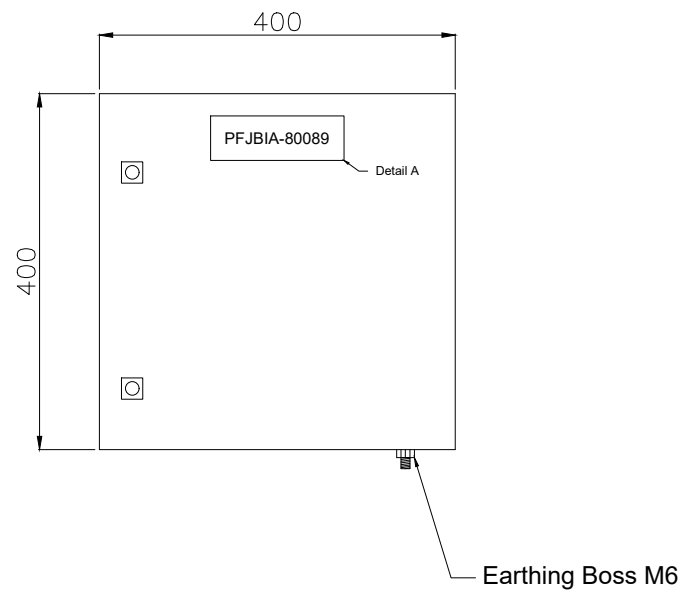
CONTRACTOR: VENDOR:

DRAWING TITLE:
PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44LCP-8004091

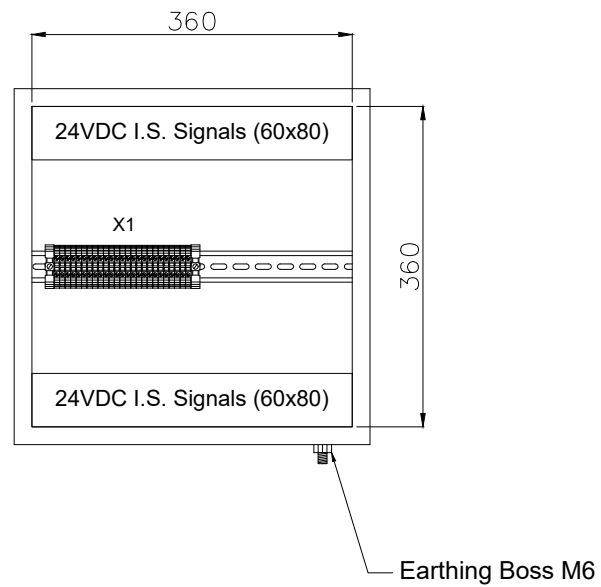
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3944	VD	0171	DYP	RE	400	DWG	0003
SCALE: NONE	SIZE: A0	SHEET NO. 32	OF 34	REV. 02			

PFJBIA-80089

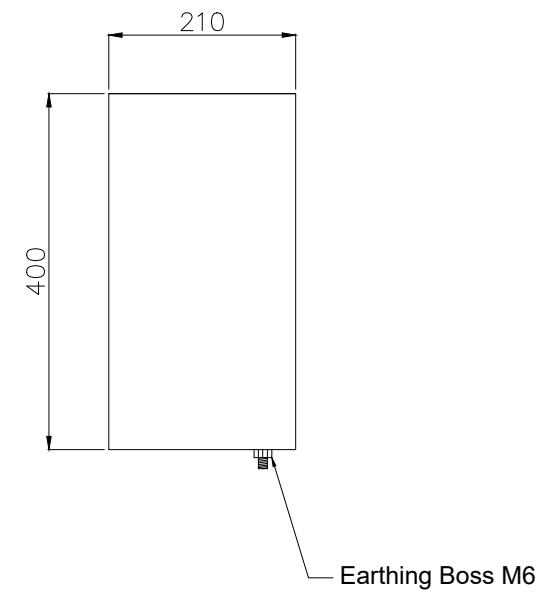
Front Side (Outside) View



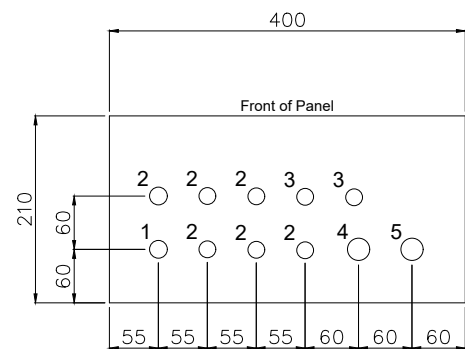
Front Side (Inside) View



Side (Outside) View



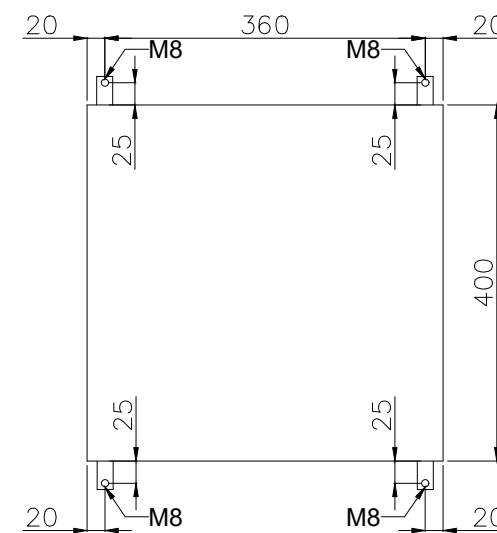
Bottom View



Gland Entry Details

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

Back (Outside) View Mounting Details



GENERAL NOTES

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

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

LEGEND

RESULT CODE: AP AN CO RE RESUBMISSION DATE:

NEXT STATUS: IFI IFA JFC ASB/IFIN

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

OWNER:



PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



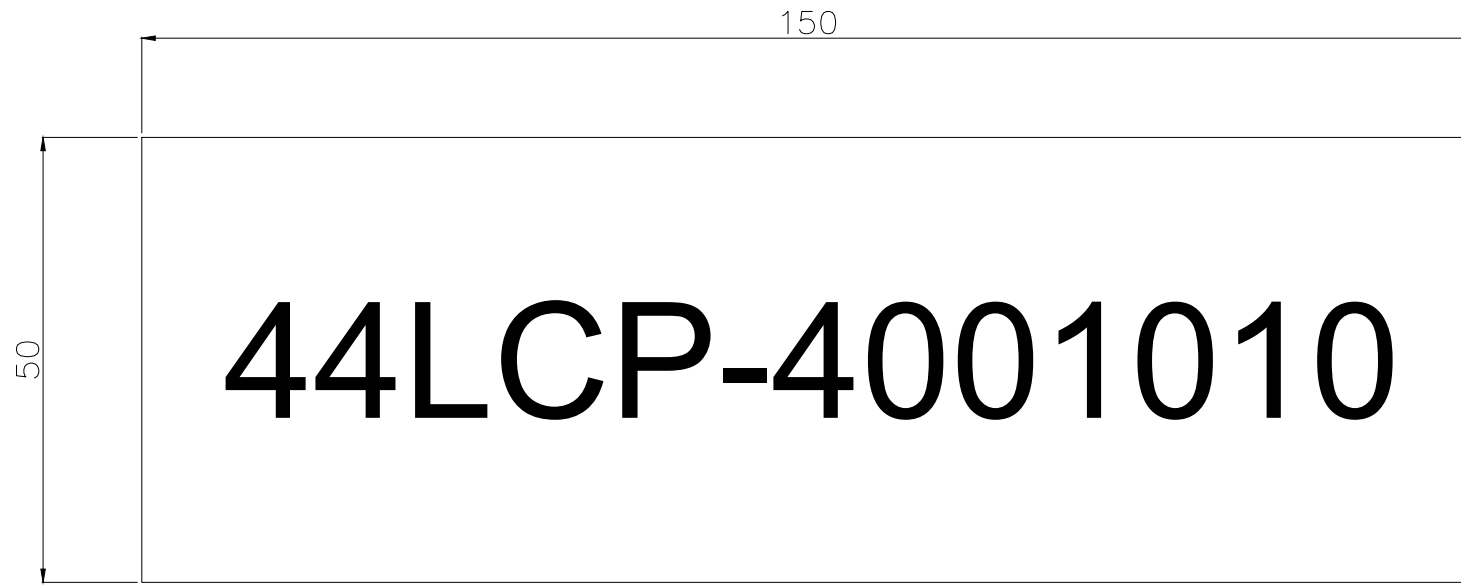
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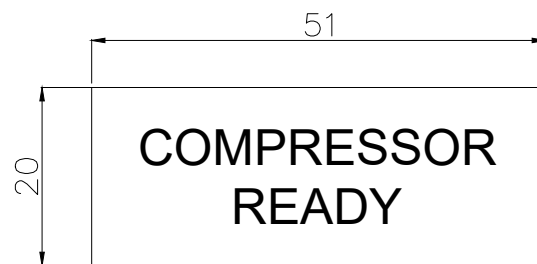
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PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL PFJBIA-80089

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. 02			

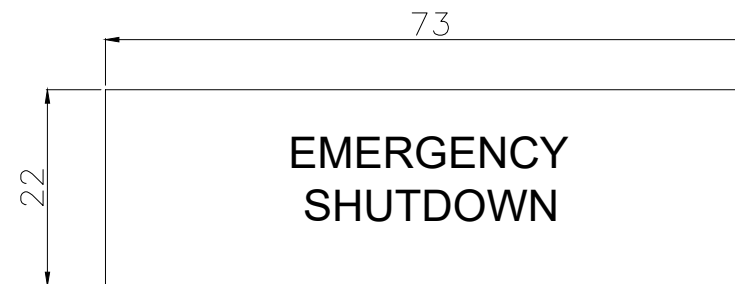
NAME PLATE DETAILS



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

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

LEGEND

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P.O. NO.:

M.R. NO.:

ITEM NO. (EQUIPMENT NO.):

VENDOR JOB NO.:

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02	16/Jul/25	ISSUED FOR APPROVAL	RT	RB	SC	-
01	25/Apr/25	ISSUED FOR APPROVAL	RT	RB	SC	-
00	24/Mar/25	ISSUED FOR APPROVAL	RT	RB	SC	-

OWNER:



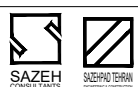
PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:



DRAWING TITLE:

PANEL LAYOUT DRAWING
LOCAL CONTROL PANEL 44AJB-80005C

OWNER DOC. NO.

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

SCALE: NONE SIZE: A0 SHEET NO. 34 OF 34 REV. 02

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