

SYMBOLS	
MAIN SWITCH 2Ø TWO POLAR	AUXILIARY RELAY
CIRCUIT BREAKER 2 POLE	AUXILIARIES RELAYS CHANGE-OVER CONTACTS
FUSE + TERMINAL FUSE	AUXILIARIES RELAYS CONTACTS NC
TRANSFORMER	AUXILIARIES RELAYS CONTACTS NC
CIRCUIT BREAKER 2 POLE	PUSH BUTTON NORMAL NO
POWER SUPPLY AC/DC	PUSH BUTTON NORMAL NC
SELECTOR SWITCH	TERMINAL
IGNITION TRANSFORMER	GROUND
RCBO, 2POLE RESIDUAL CURRENT BREAKER WITH OVERCURRENT PROTECTION	MASHROOM

POWER SUPPLY SPECIFICATION	
NOMINAL VOLTAGE	230/110 VAC 1PHASE
FREQUENCE	50 Hz
SHORT-CIRCUIT BREAKING CAPACITY	10kA
NORMAL POWER CONSUMPTION	1KW

[illegible]





ELEMENT DESCRIPTION	SUPPLIER	QUANTITY
IONIZATION AMPLIFIER	WILL BE FINALIZED LATER	1
IGNITION TRANSFORMER	WILL BE FINALIZED LATER	1
AUX. RELAY / TIMER	WILL BE FINALIZED LATER	3
FUSES HOLDER	WILL BE FINALIZED LATER	1
TERMINAL STRIP	WILL BE FINALIZED LATER	12

EX-D MATERIAL FOR IGP			
ELEMENT DESCRIPTION	SUPPLIER	TYPE	QUANTITY
MAIN BOX	WILL BE FINALIZED LATER	Ex-d IIC	1
CABLE GLAND	WILL BE FINALIZED LATER	M20, Ex-d	4
PLUG	WILL BE FINALIZED LATER	M20	2

NOTES

LEGEND

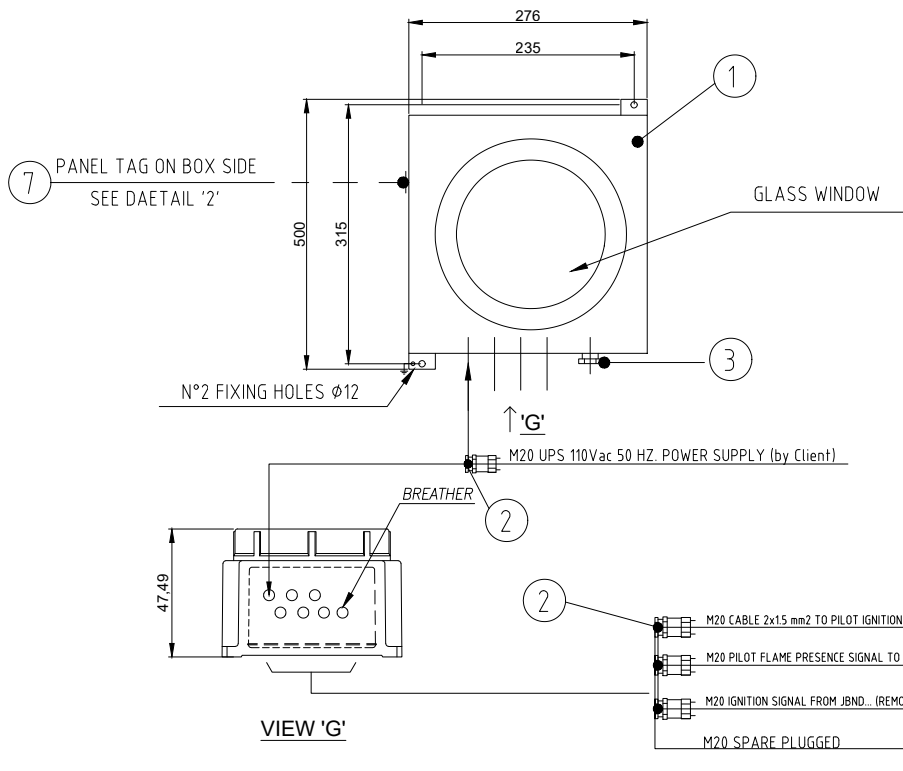
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KEY PLAN

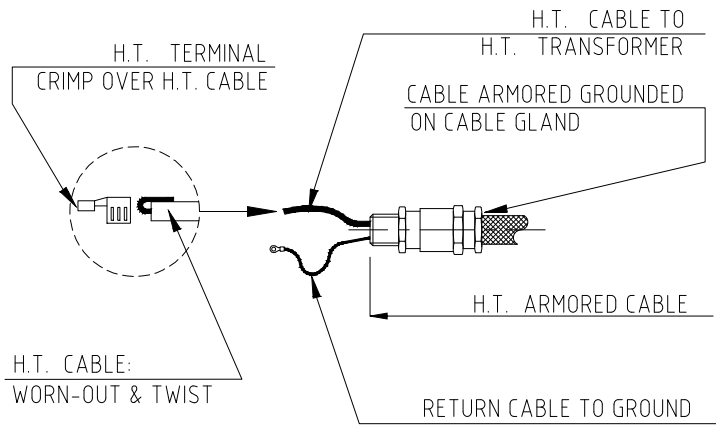
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BUDGET REF.	LOCATION	SIZE CLASS	SERIAL NO.	SHEET	REVISION		

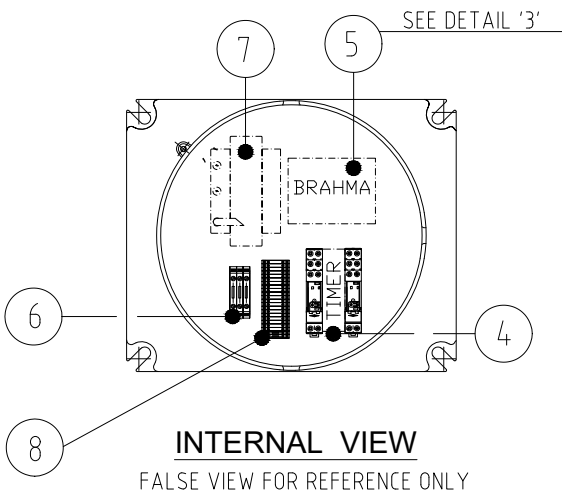
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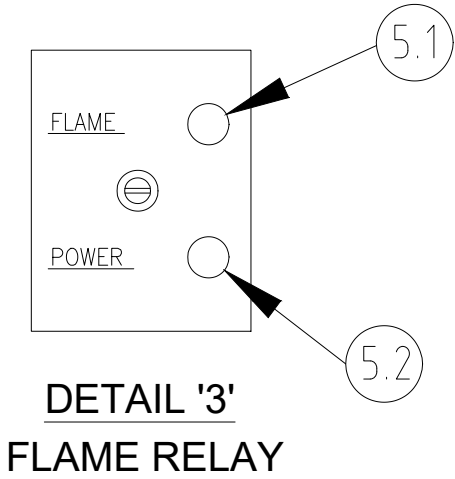
EXTERNAL VIEW



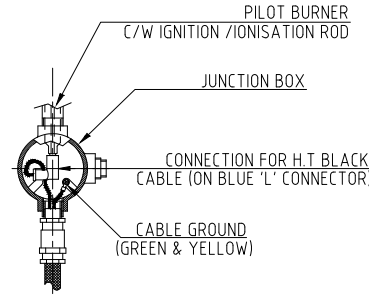
DETAIL '1'



INTERNAL VIEW
FALSE VIEW FOR REFERENCE ONLY



DETAIL '3'
FLAME RELAY



- PANEL TAG-

IGP-2101

DETAIL '2'

ITEM	Q.TY	BILL OF MATERIAL FOR IGP
1	1	Ex-d BOX FOR FLAME RELAY (COPPER FREE ALUMINUM)
2	5	CABLE GLANDS EEXD M20x1.5 (NICKEL PLATED BRASS)
3	2	PLUG M20
4	3	RELAY / TIMER
5	1	IONISATION FLAME AMPLIFIER
5.1	1	PILOT ON LED
5.2	1	POWER LED
6	2	LINE FUSES
7	1	H.T TRANSFORMER
8	1	TERMINAL STRIP
9	1	PANEL TAG
10	~30 m	HT CABLE

NOTES:

- 1) DIMENSION ARE IN MILLIMETERS
- 2) TOLERANCES ON ALL QUOTES/ELEVATIONS IS ± 3 mm
- 3) SURFACE TREATMENT IS MFR STD
- 4) BOXES AND ACCESSORIES CERTIFIED EXP. PROOF EEx-d IIB+H2 T4, ACCORDING TO ATEX, MECHANICAL PROTECTION IP65 MIN
- 5) PANEL TAGS SS MATERIAL: SEE TABLE OF INDEX TAG NUMBERS
- 6) BOM IS REFERRED ONLY TO ONE PANEL

LEGEND

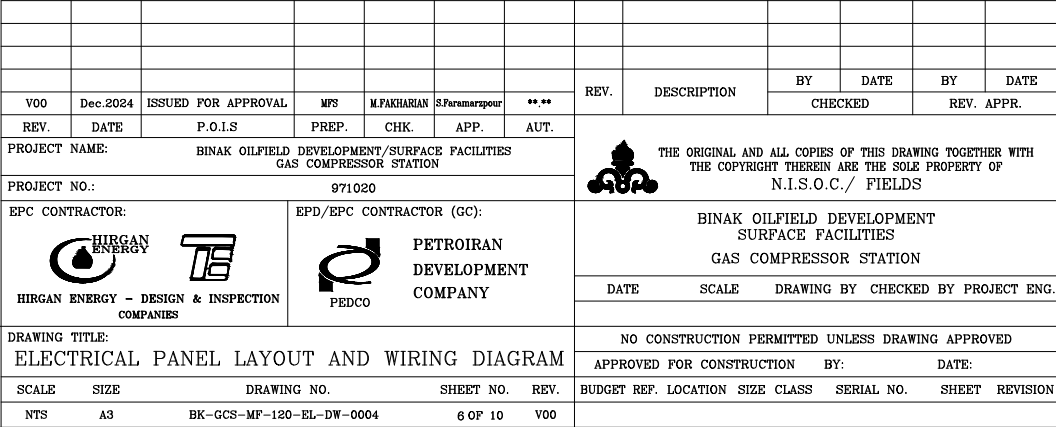
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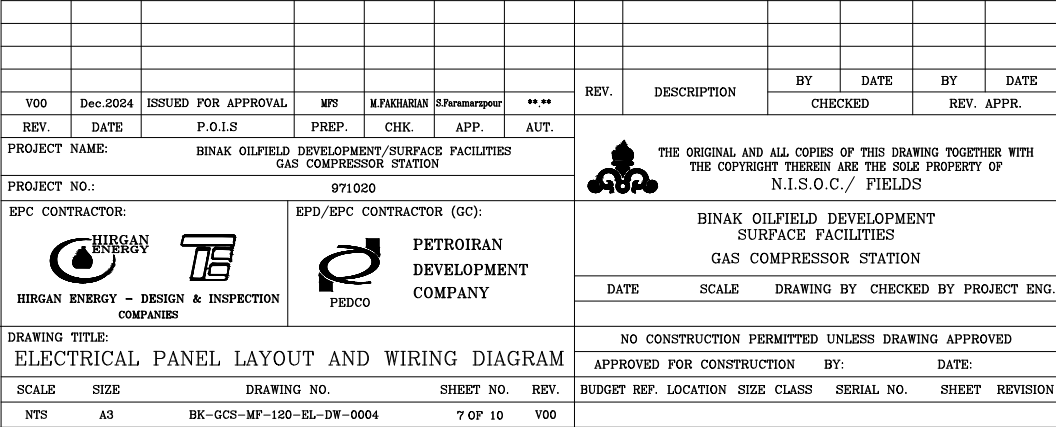
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KEY PLAN

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NOTES

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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION	

The diagram illustrates the interior of a PHOTOCELL BOX, showing the arrangement of various components and their locations. The components are labeled with numbers 1 through 9 and 10, and their functions are described in the following table:

Label	Component Name	Function
1	QA1	POWER 230V OFFON
2	QA2	LIGHTING 01-03
3	QA3	LIGHTING 04-06
4	QA6	POWER 110V OFFON
5	QA5	AUTOMAN LIGHTING
6	XL-001	NORMAL POWER 230V
7	XL-002	NORMAL POWER 110V
8	QA4	SPARE
9	PDP<P-2101	
10	PhotoCell	

The diagram also shows the internal wiring and the location of the PHOTOCELL BOX, which is labeled "PHOTOCELL BOX" and "S.E.M.C. 131". The box is shown with its door open, revealing the internal components and wiring.

PHOTOCELL BOX

ENCLOSURE EXTERNAL COMPONENTS			
ITEM	SIZE	NAMEPLATE TEXT	TAG NO.
1	MAIN POWER 230VAC, ISOLATOR SWITCH (2POLE)	POWER 230VAC OFF/ON	QA1
2	SELECTOR SWITCH 2 POSITIONS, BLACK COLOR	LIGHTING 1-3	QA2
3	SELECTOR SWITCH 2 POSITIONS, BLACK COLOR	LIGHTING 4-6	QA3
4	MAIN POWER 110VAC ISOLATOR SWITCH (2POLE)	POWER 110VAC OFF/ON	QA6
5	SELECTOR SWITCH 2 POSITIONS, BLACK COLOR	SPARE	QA4
5	SELECTOR SWITCH 2 POSITIONS, BLACK COLOR	AUTO/MAN LIGHTING	QA5
6	WIGHT LAMP, LED TYPE, 230VAC	NORMAL POWER 230VAC	XL-001
7	WIGHT LAMP, LED TYPE, 110VAC	NORMAL POWER 110VAC	XL-002
8	TAG NUMBER	DISTRIBUTED & LIGHTING PANEL	PDP<P-210
9	ENCLOSURE HANDEL	/	/

PDP<P-2101
LIGHTING PANEL

91.7852

273.5345

11.3973

45.5819

Tag plate's specification:

Text Font	: Arial
Tag Font Size	: 15mm
Description Font Size	: 5mm
Tag Color	: Black
Tag plate material	: Stainless Steel
Tag plate dimension	: 120mm x 40 mm

OPERATORS NAMEPLATE DETAIL

54.7069

27.5535

11.3973

136.7873

XL-001
NORMAL POWER 230VAC

Tag plate's specification:

Text Font	: Arial
Tag Font Size	: 5mm
Text Color	BLUE(Background: white)
Tag plate material	: Stainless Steel
Tag plate dimension	: 60mm x 24 mm

NOTES

LEGEND	
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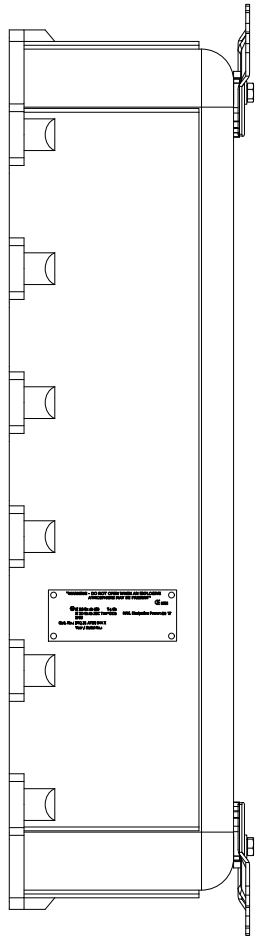
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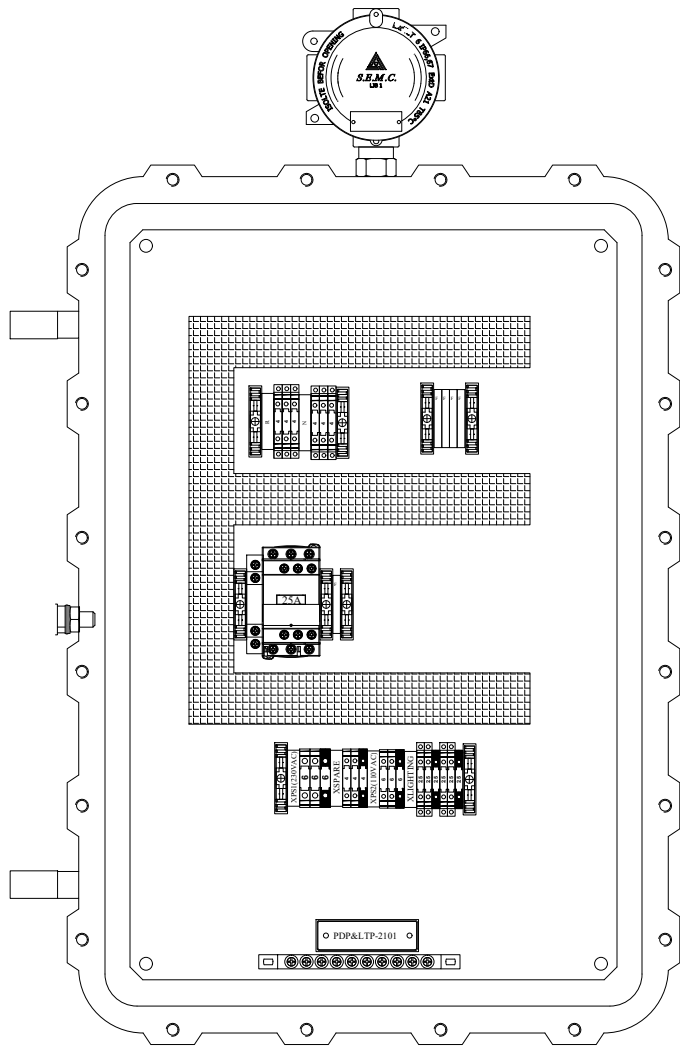
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Type	EJB 241
Marking acc. to IEC	Ex d IIB T4
Ingress Protection to IEC 60529	IP65
Permissible Ambient Temperature	-30°C to +55°C
Material	Copper Free Aluminium
Colour Of Enclosure	Body: RAL 7032 & Door: RAL 7032
Overall Dimension (mm)	670mm*460mm*280mm (Tolerance: ±5 mm)
Mounting Dimension (mm)	646mm*454mm (Tolerance: ±5 mm)

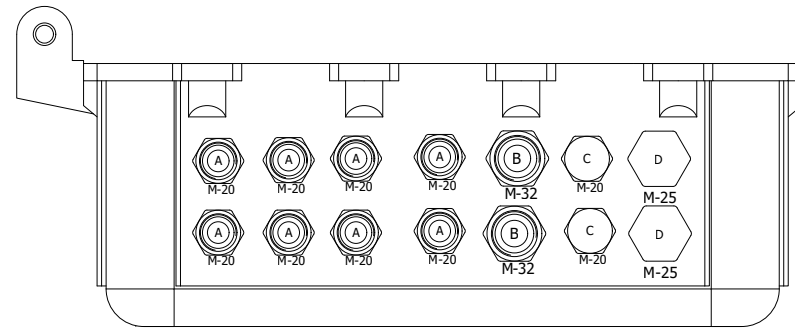
ITEM	SIZE	TYPE	DESCRIPTION
A	M20x1.5	CABLE GLAND	LIGHTING CABLE ,POWER CABLE 3Cx2.5mm*2
B	M32x1.5	CABLE GLAND	NORMAL POWER SUPPLY, 230/110VAC, 50HZ ,POWER CABLE 3Cx6mm*2
C	M20x1.5	PLUG	SPARE
D	M25x1.5	PLUG	SPARE



Right View



Inside View



Bottom View

[illegible]

DISTRIBUTED & LIGHTING PANEL(PDP&L) BILL OF MATERIAL				
IN	Description	Qty	Manufacturer	Origin
1	Ex d IIB T4 Enclosure FCP 241	1	To be finalaized later	To be finalaized later
2	Enclosure LJB I (With Photocell) 230&110VAC	1	To be finalaized later	To be finalaized later
3	Frame Work(1 x FCP241)	1	To be finalaized later	To be finalaized later
4	Ex d IIB T4 Signal Lamp (White) 230&110 VAC	2	To be finalaized later	To be finalaized later
5	Ex d IIB T4 SELECTOR SWITCH ROTARY	6	To be finalaized later	To be finalaized later
6	Ex d IIB T4 Cable Bushing 3/4"	1	To be finalaized later	To be finalaized later
7	MCB 2P 20A/6KA/C Curve/CIRCUIT BREAKER	1	To be finalaized later	To be finalaized later
8	MCB 2P 32A/6KA/C Curve/CIRCUIT BREAKER	1	To be finalaized later	To be finalaized later
9	MCB 2P 1A/6KA/C Curve/CIRCUIT BREAKER	1	To be finalaized later	To be finalaized later
10	RCD(Vigi) 2P 25A/30mA/Residual Circuit Breaker	2	To be finalaized later	To be finalaized later
11	Contactor 3P 25A AC-3	1	To be finalaized later	To be finalaized later
12	AXILIARY RELAY FOR CONTACTOR 1NO+1NC	1	To be finalaized later	To be finalaized later
13	SELECTOR SWITCH 2POSITION (A-M)	1	To be finalaized later	To be finalaized later
14	TERMINAL FUSES	2	To be finalaized later	To be finalaized later
15	FUSE 2A	1	To be finalaized later	To be finalaized later
16	FUSE 500mA	1	To be finalaized later	To be finalaized later
17	FUSE 1A	2	To be finalaized later	To be finalaized later
18	EARTH BUSBAR	1	To be finalaized later	To be finalaized later
19	TERMINAL 6 mm²	4	To be finalaized later	To be finalaized later
20	DOUBLE TERMINAL 4 mm²	10	To be finalaized later	To be finalaized later
21	DOUBLE TERMINAL 2.5 mm²	4	To be finalaized later	To be finalaized later
22	TERMINAL 2.5 mm²	6	To be finalaized later	To be finalaized later
23	TERMINAL 4 mm²	4	To be finalaized later	To be finalaized later
24	EARTH TERMINAL 4 mm²	1	To be finalaized later	To be finalaized later
25	EARTH TERMINAL 6 mm²	2	To be finalaized later	To be finalaized later
26	EARTH TERMINAL 2.5 mm²	2	To be finalaized later	To be finalaized later
27	Ex d IIB T4 Cable Gland M-20 Type 453 (Armoured)	8	To be finalaized later	To be finalaized later
28	Ex d IIB T4 PLUG M20 Type 800	2	To be finalaized later	To be finalaized later
29	Ex d IIB T4 Cable Gland M-32 Type 453 (Armoured)	2	To be finalaized later	To be finalaized later
30	Ex d IIB T4 PLUG M25 Type 800	2	To be finalaized later	To be finalaized later

NOTES

LEGEND	
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REFERENCE DRAWING	DRG. No.
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	KEY PLAN
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A blank coordinate plane with x and y axes and a grid. The x-axis is horizontal and the y-axis is vertical, intersecting at the origin (0,0). The grid consists of 10 units by 10 units, with major grid lines every 1 unit and minor grid lines every 0.5 units. The x-axis is labeled from -10 to 10, and the y-axis is labeled from -10 to 10.

[illegible]