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 (2) ITS DISCLOSURE TO A THIRD PARTY, OR  
 (3) ITS USE FOR ANY PURPOSE OTHER THAN THOSE FOR WHICH IT IS SUPPLIED.

**Purpose of Issue**

**For Information**

**For Review**

**For Approval**

**For Construction**

**AS BUILT**

					
D	15-12-23	ISSUED FOR APPROVAL	SS	AMR	KAS
C	06-11-23	ISSUED FOR APPROVAL	SS	AMR	KAS
B	13-10-23	ISSUED FOR APPROVAL	SS	AMR	KAS
A	18-08-23	ISSUED FOR APPROVAL	SS	AMR	KAS
REV.	DATE	DESCRIPTION	DESIGNED	CHECKED	APPROVED

OWNER:



**N.U.R. GENERATION SDN BHD**

OWNER'S ENGINEER:



**NUR**  
power

**NUR ENERGY SERVICES  
SDN BHD**

**Jacobs**

**JACOBS ENGINEERING  
GROUP SDN BHD**

 **REMACC**

A subsidiary of TNB Power Generation

**TNB REPAIR AND  
MAINTENANCE SDN BHD**

EPC CONSORTIUM:



**JURONG ENGINEERING LIMITED**



**EQUATOR ENGINEERING SDN.  
BHD.**

PROJECT:

**130MW COMBINED CYCLE GAS TURBINE  
IN KULIM HI TECH PARK ("PROJECT AURORA")**

TITLE:

**NETWORK AND SERVER CABINET GENERAL ARRANGEMENT  
DRAWING & WIRING DIAGRAM**

VENDOR:

**Honeywell**

**HONEYWELL ENGINEERING  
SDN BHD**

JOB NO.

**20064**

SHT NO.

**1/45**

PROJECT DOCUMENT NO.

**MYP-000311-JEL-INC-GWD-0005**

REV.NO

**D**

# NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM

			<i>84 84 AD</i>
D	15/12/23	ISSUED FOR APPROVAL	SS SS AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS SS AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM AM AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM AM AMR KAS
REV.	DATE	DESCRIPTION	DRAWN DESIGNED CHECKED APPROVED
OWNER :  <b>N. U. R. GENERATION SDN BHD</b>			
OWNER'S ENGINEER :  <b>Jacobs</b>  <b>REMACC</b>  <b>NUR ENERGY SERVICES SDN BHD</b>  <b>JACBOS ENGINEERING GROUP SDN BHD</b>  <b>TNB REPAIR AND MAINTENANCE SDN BHD</b>			
EPC CONSORTIUM :  <b>JURONG ENGINEERING LIMITED</b>  <b>EQUATOR ENGINEERING SDN BHD</b>			
SCALE AS SHOWN	PROJECTION	PROJECT : 130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")	
TITLE : NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM 30BRC00GW002 DIMENSION			
VENDOR :  <b>Honeywell</b> <b>HONEYWELL ENGINEERING SDN BHD</b>		JOB NO: 20064	REV D SHT 02/45
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005			

SHEET NO.	DESCRIPTION	REVISION						
		A	B	C	D	0	1	2
01	COVER PAGE	X	X	X	X			
02	COVER SHEET							
03	INDEX SHEET							
04	LEGEND SHEET							
05	EQUIPMENT SUMMARY LIST							
06	30CKA01GH001 MATERIALS LIST							
07	30CKA01GH001 CABINET APPEARANCE							
08	30CKA01GH001 PLINTH DETAIL							
09	30CKA01GH001 INTERNAL LAYOUT (FRONT) AND VIEW "A - A"							
10	30CKA01GH001 INTERNAL LAYOUT (REAR) AND VIEW "B - B"							
11	30CKA01GH001 AC POWER DISTRIBUTION 1							
12	30CKA01GH001 AC POWER DISTRIBUTION 2	D						
13	30CKA01GH001 CABINET ALARM							
14	30CKA01GH001 KVM CONNECTION							
15	30CKA01GH001 EARTHING CONNECTION							
16	30CKA01GH001 NAMEPLATE DETAIL							
17	30CKA01GH002 MATERIALS LIST							
18	30CKA01GH002 CABINET APPEARANCE							
19	30CKA01GH002 PLINTH DETAIL							
20	30CKA01GH002 INTERNAL LAYOUT (FRONT) AND VIEW "A - A"							
21	30CKA01GH002 INTERNAL LAYOUT (REAR) AND VIEW "B - B"							
22	30CKA01GH002 AC POWER DISTRIBUTION 1							
23	30CKA01GH002 AC POWER DISTRIBUTION 2	D						
24	30CKA01GH002 CABINET ALARM							
25	30CKA01GH002 KVM CONNECTION							
26	30CKA01GH002 EARTHING CONNECTION							
27	30CKA01GH002 NAMEPLATE DETAIL							
28	30CYD10GH001 MATERIALS LIST							
29	30CYD10GH001 CABINET APPEARANCE							
30	30CYD10GH001 PLINTH DETAIL							
31	30CYD10GH001 INTERNAL LAYOUT (FRONT) AND VIEW "A - A"							
32	30CYD10GH001 INTERNAL LAYOUT (REAR) AND VIEW "B - B"							
33	30CYD10GH001 AC POWER DISTRIBUTION							
34	30CYD10GH001 CABINET ALARM							
35	30CYD10GH001 EARTHING CONNECTION							
36	30CYD10GH001 NAMEPLATE DETAIL							
37	30CYD10GH002 MATERIALS LIST							
38	30CYD10GH002 CABINET APPEARANCE							
39	30CYD10GH002 PLINTH DETAIL							
40	30CYD10GH002 INTERNAL LAYOUT (FRONT) AND VIEW "A - A"							
41	30CYD10GH002 INTERNAL LAYOUT (REAR) AND VIEW "B - B"							
42	30CYD10GH002 AC POWER DISTRIBUTION							
43	30CYD10GH002 CABINET ALARM							
44	30CYD10GH002 EARTHING CONNECTION							
45	30CYD10GH002 NAMEPLATE DETAIL							

			84	84	✓
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
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B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED
OWNER:	<b>N. U. R. GENERATION SDN BHD</b>				
OWNER'S ENGINEER:	<b>Jacobs</b> <small>A subsidiary of REMACO</small>				
	NUR ENERGY SERVICES SDN BHD	JACOBS ENGINEERING GROUP SDN BHD	TNB REPAIR AND MAINTENANCE SDN BHD		
EPC CONSORTIUM:	JEL	JURONG ENGINEERING LIMITED	EESB	EQUATOR ENGINEERING SDN BHD	
SCALE AS SHOWN	PROJECTION	PROJECT:	130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")		
TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM INDEX SHEET					
VENDOR:	<b>Honeywell</b>		JOB NO:	20064	SHT D 03/45
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005					

## LEGEND AND ABBREVIATIONS :

DESCRIPTION	SYMBOL
Lighting switch	
NORMALLY OPEN CONTACT (NO)	
NORMALLY CLOSED CONTACT (NC)	
MAIN CIRCUIT BREAKER 2P	
PLANTH SAFETY EARTH (SAFETY EARTH)	
INSTRUMENT EARTH	

DESCRIPTION	SYMBOL
MAIN CIRCUIT BREAKER 2P	
SOCKET OUTLET	
LIGHT	
THERMOSTAT	
FAN	
JUMPER	

DESCRIPTION	SYMBOL
A4 SIZE DOCUMENT HOLDER	
INLET FILTER	
SWITCH	
SERVER	
KVM SWITCH	
PE BAR	

DESCRIPTION	SYMBOL
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COLOUR CODE WIRING :	
<u>POWER</u>	
24V DC POSITIVE	= RED
24V DC NEGATIVE	= BLACK
230V AC PHASE	= BROWN
230V AC NETRAL	= BLUE
<u>INPUT AND OUTPUT SIGNALS</u>	
NON-IS SIGNALS POSITIVE	= WHITE
NON-IS SIGNALS NEGATIVE	= BLACK
<u>EARTH</u>	
PLANT SAFETY EARTH	= YELLOW / GREEN
INSTRUMENT EARTH	= GREEN

WIRE GAUGE:	
0.44	= 0.44 mm <sup>2</sup>
1	= 1.0 mm <sup>2</sup>
2.5	= 2.5 mm <sup>2</sup>
4	= 4.0 mm <sup>2</sup>
6	= 6.0 mm <sup>2</sup>
16	= 16.0 mm <sup>2</sup>
35	= 35.0 mm <sup>2</sup>

WIRE INFO:

COLOR ABBREVIATIONS			
Color	Abbreviaton	Color	Abbreviaton
Black	BK	Blue	BU
Brown	BN	Violet	VT
Red	RD	Grey	GY
Orange	OG	White	WH
Yellow	YE	Yellow / Green	Y/G
Green	GN		

LIST OF ABBREVIATIONS	
MCB	:MINIATUR CIRCUIT BREAKER
PE	:PLANT SAFETY EARTH
IE	:INSTRUMENT EARTH

D	15/12/23	ISSUED FOR APPROVAL	SS	SS AMR KAS
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B	13/10/23	ISSUED FOR APPROVAL	AM	AM AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED CHECKED APPROVED

OWNER : N. U. R. GENERATION SDN BHD  
 OWNER'S ENGINEER : Jacobs REMACO  
 NUR ENERGY SERVICES SDN BHD JACOB'S ENGINEERING GROUP SDN BHD TNB REPAIR AND MAINTENANCE SDN BHD

EPC CONSORTIUM : JURONG ENGINEERING LIMITED EQUATOR ENGINEERING SDN BHD

SCALE AS SHOWN PROJECTION PROJECT : 130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")

TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM LEGEND SHEET  
 VENDOR: Honeywell HONEYWELL ENGINEERING SDN BHD JOB NO: 20064 REV SHT D 04/45  
 PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005

NO.	NAME OF EQUIPMENT	SERVICE DESCRIPTION	LOCATION	NAME PLATE	CABINET COLOUR	QTY.	OUTLINE DIMENSION (mm)	MAX WEIGHT (kg)
1	30CKA01GH001	DCS SERVER CABINET – 01	SYSTEM ROOM	30CKA01GH001	LIGHT GRAY (RAL 7035)	1	600W x 1000D x 2100H	250 kg
2	30CKA01GH002	DCS SERVER CABINET – 02	SYSTEM ROOM	30CKA01GH002	LIGHT GRAY (RAL 7035)	1	600W x 1000D x 2100H	250 kg
3	30CYD10GH001	DCS NETWORK CABINET – 01	ELECTRONIC ROOM	30CYD10GH001	LIGHT GRAY (RAL 7035)	1	800W x 800D x 2100H	250 kg
4	30CYD10GH002	DCS NETWORK CABINET – 02	SYSTEM ROOM	30CYD10GH002	LIGHT GRAY (RAL 7035)	1	600W x 800D x 2100H	250 kg

			84	84	✓
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
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B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED
OWNER :  <b>N. U. R. GENERATION SDN BHD</b>					
OWNER'S ENGINEER :  <b>Jacobs</b>  <b>REMACC</b> NUR ENERGY SERVICES SDN BHD JACOBS ENGINEERING GROUP SDN BHD TNB REPAIR AND MAINTENANCE SDN BHD					
EPC CONSORTIUM :  <b>JURONG ENGINEERING LIMITED</b>  <b>EQUATOR ENGINEERING SDN BHD</b>					
SCALE AS SHOWN	PROJECTION	PROJECT:	130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")		
TITLE: <b>NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING &amp; WIRING DIAGRAM EQUIPMENT SUMMARY LIST</b>					
VENDOR:  <b>Honeywell</b> HONEYWELL ENGINEERING SDN BHD			JOB NO: 20064	REV D	SHT 05/45
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005					

ITEM	MODEL	DESCRIPTION	MAKE	QTY	REMARKS
01	8808.500	RITTAL TS8, RAL 7035, 2000H x 600W x 1000D	RITTAL	1	
02	8601.800	FRONT & REAR BASE PLINTH 100mm, RAL7022	RITTAL	1	
03	8601.080	TRIM SIDE BASE PLINTH 100mm, RAL7022	RITTAL	1	
04	8612.180	PUNCHED SECTION WITH MOUNTING FLANGE, OUTER MOUNTING LEVEL	RITTAL	10	
05	51197165-100	KEYLOCK, INSERTS TS8 CAB, RAL 7035	RITTAL	2	
06	MU-C8TRM1	THERMOSTAT, TS8 RITTAL	RITTAL	1	1R-THT
07	MU-C8DSS1	RITTAL TS8 DUAL ACCESS CABINET SIDESKIN	RITTAL	2	
08	SK 3239.100	FAN AND FILTER UNIT	RITTAL	1	1R-FAN1, 1R-FAN2, 1R-FAN3, 1R-FAN4
09	-	CABINET NAMEPLATE	LOCAL	2	
10	SK 3239.200	OUTLET FILTER	RITTAL	2	1R-FLT1 & 1R-FLT2
11	SKU 3A0983166	LED SYSTEM LIGHT 100V-240V,7W WITH DOOR SWITCH	PHILLIPS	2	1F-LT & 1R-LT
12	CL5708iN	KVM SWITCH	ATEN	1	KVM SWITCH
13	MZ-PCSR03	SERVER HW DELL R350XE PERF TPM	DELL	3	EPKS-A, EPKS-B, & L2 DOMAIN CONTROLLER
14	MZ-PCSR01	SERVER HW DELL R250XE STD TPM	DELL	1	FDM SERVER
15	MZ-PCSR02	SERVER HW DELL R450 STD TPM	DELL	1	EBR SERVER
16	MZ-NWSTR4	NETWORK STORAGE DELL NX440 1U STD RACK	DELL	1	NAS SERVER
17	MZ-PCVMM5	VIRT DELL R640XL MGMT MLK 1CPU	DELL	1	VSP HOST-1 SERVER
18	MZ-PCVM21	VIRT PC HW DELL R740XL MLK PERF-A	DELL	1	VSP HOST-2 SERVER
19	iC60N	MCB 2P, 25A	SCHNEIDER	2	1F-QMCB01 & 1F-QMCB03
20	iC60N	MCB 2P, 10A	SCHNEIDER	1	1F-QMCB05
21	iC60N	MCB 2P, 2A	SCHNEIDER	2	1F-QMCB02 & 1F-QMCB04
22	BREAKER BOX	-	LOCAL	1	-
23	UT4-MT, UT4, UT4-PE	TERMINAL BLOCK FOR AC DISTRIBUTION	PHEONIX CONTACT	12, 12, 12	1R-TBAC01, 1R-TBAC02, 1R-TBAC03, 1R-TBAC04, 1R-TBAC05
24	UT6, UT6-PE	TERMINAL BLOCK FOR INCOMING FEEDER	PHEONIX CONTACT	20, 10	1R-TBFDR01, 1R-TBFDR02, 1R-TBFDR03, 1R-TBFDR04
25	UT2.5-MT	TERMINAL BLOCK FOR ALARM	PHEONIX CONTACT	10	1R-TBALM
26	PDU	6 GANG POWER SOCKET FOR SERVER	LOCAL	5	PDU-UPS-A1, PDU-UPS-A2, PDU-UPS-B1, PDU-UPS-ATS
27	3 PIN SOCKET	SERVICE SOCKET	LOCAL	1	1R-SS1
28	CABLE DUCTING	CABLE DUCT 50 x 50	LOCAL	2	
29	SSCH10x3+SH1+ZB4/ZB16/ZB35	PROTECTIVE EARTH BAR	LOCAL	1 LOT	1R-PE
30	A9L20500	MODULAR SURGE ARRESTOR 1P+N, 350V	SCHNEIDER	3	1R-SA01, 1R-SA02, 1R-SA03
31	A9D37616	RESIDUAL CURRENT DEVICE 16A (RCBO)	SCHNEIDER	1	1F-QRCD01
32	TBA	FAN SENSOR	TBA	4	1R-FS1, 1R-FS2, 1R-FS3, 1R-FS4

D

			84	84	84
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED

OWNER :  **N. U. R. GENERATION SDN BHD**

OWNER'S ENGINEER :  **Jacobs**  **REMACC**  
**NUR ENERGY SERVICES SDN BHD** **JACOBS ENGINEERING GROUP SDN BHD** **TNB REPAIR AND MAINTENANCE SDN BHD**

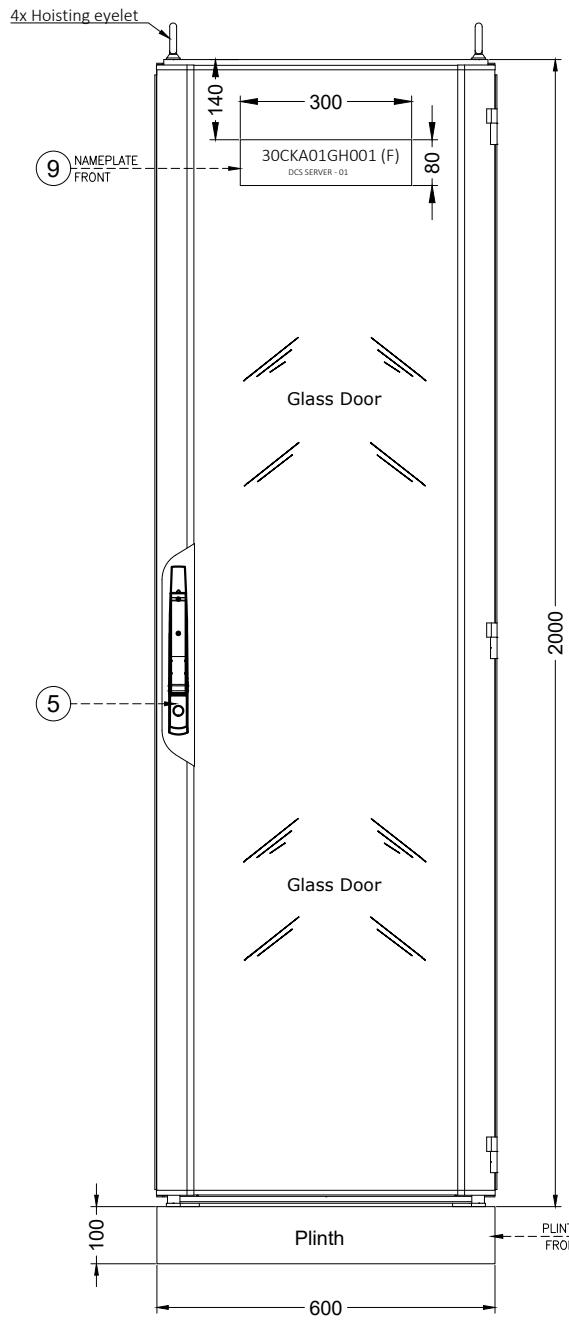
EPC CONSORTIUM :

 **JURONG ENGINEERING LIMITED**  **EQUATOR ENGINEERING SDN BHD**

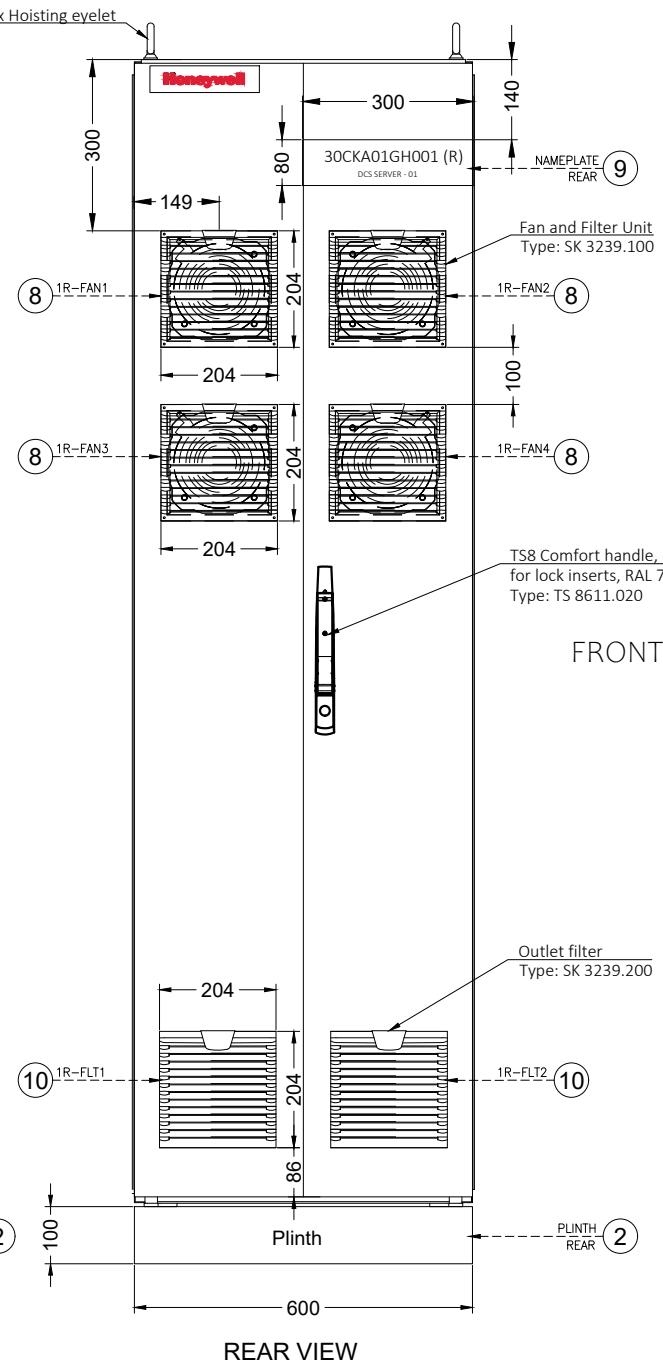
SCALE AS SHOWN PROJECTION PROJECT :  130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")

TITLE : **NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM**  
**30CKA01GH001 MATERIALS LIST**

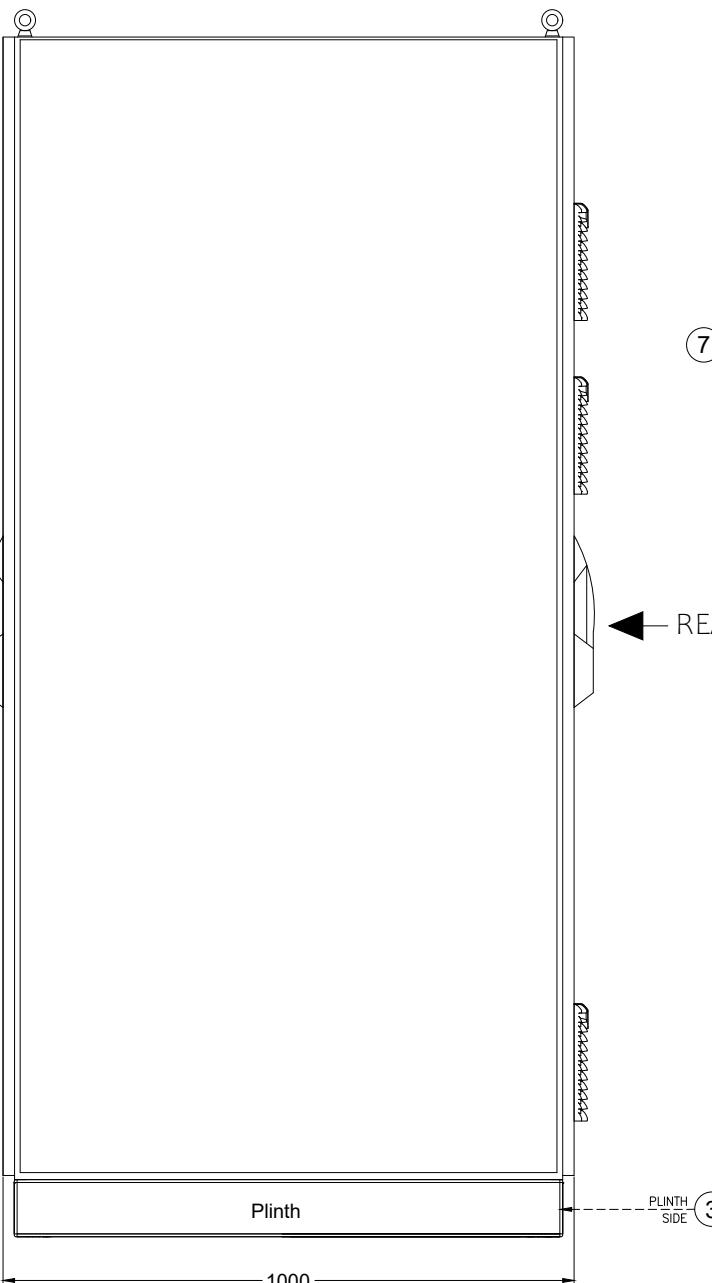
VENDOR :  <b>Honeywell</b> <b>HONEYWELL ENGINEERING SDN BHD</b>	JOB NO: 20064	REV: D	SHT: 06/45
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005			



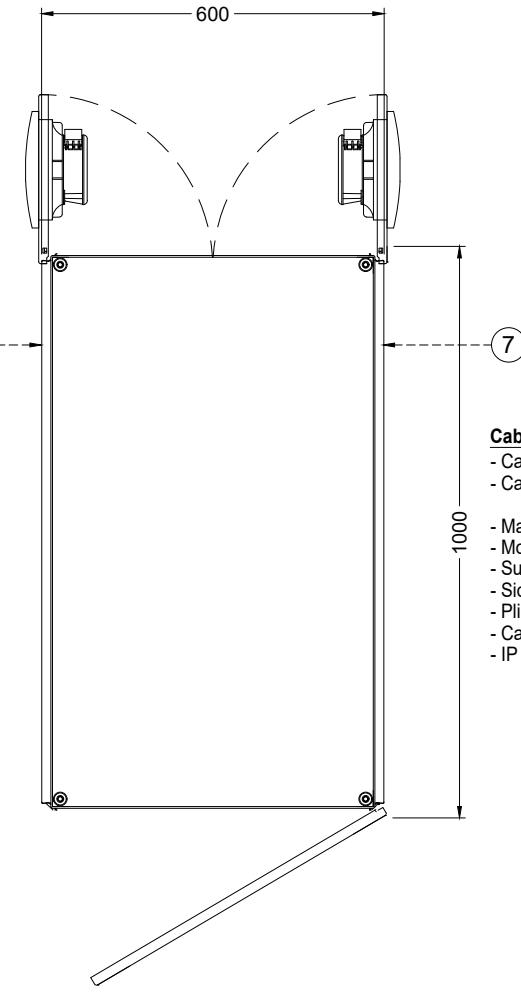
FRONT VIEW



REAR VIEW



SIDE VIEW



TOP VIEW

**Cabinet Details:**

- Cabinet reference front: 1F
- Cabinet reference rear: 1R

Rittal  
TS8808  
RAL7035  
TS8108  
RAL7022  
Bottom  
IP 54

			84	84	Approved
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
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B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED

OWNER:  
 NUR power

OWNER'S ENGINEER :  
 NUR  
NUR ENERGY SERVICES SDN BHD  
 Jacobs  
JACOBS ENGINEERING GROUP SDN BHD

TNB REPAIR AND MAINTENANCE SDN BHD

EPC CONSORTIUM :

JURONG ENGINEERING LIMITED EQUATOR ENGINEERING SDN BHD

SCALE AS SHOWN PROJECTION PROJECT :  
130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")

TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM  
30CKA01GH001 CABINET APPEARANCE

VENDOR : Honeywell  
HONEYWELL ENGINEERING SDN BHD

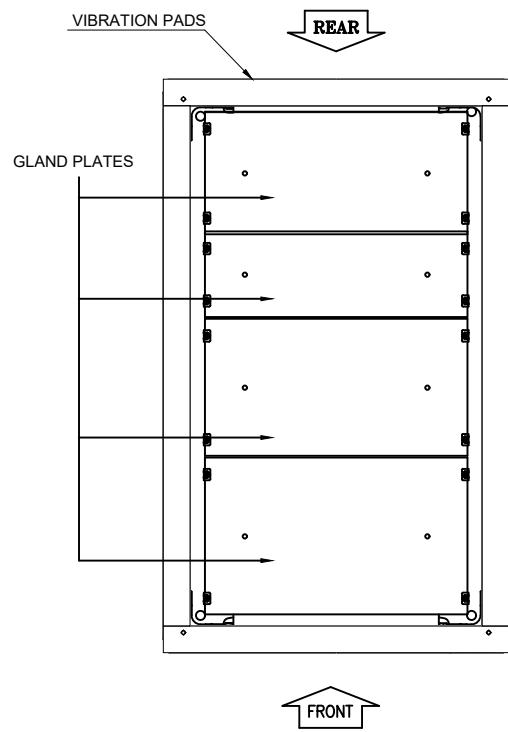
JOB NO.: 20064 REV. D SHT. 07/45

PROJECT DRAWING NO.: MYP-000311-JEL-INC-GWD-0005

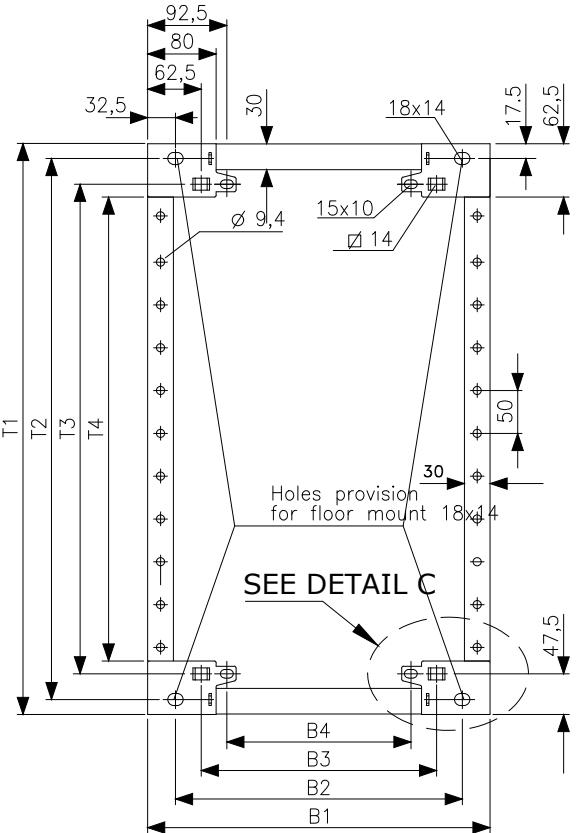
N. U. R. GENERATION SDN BHD

## PLINTH FIXING HOLE LAYOUT

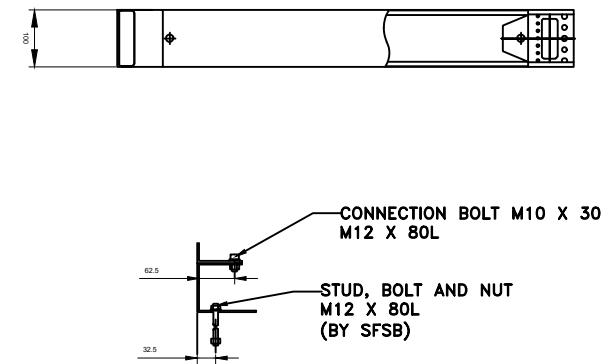
All dimensions in mm (inches)



TOP VIEW



SIDE VIEW



GLAND PLATES (SECTION VIEW)

Description of the hole patterns

B1/T1 = External dimension

B2/T2 = For screw-fixing in the thread of the enclosure corner piece from below

B3/T3 = For screw-fixing with captive nuts to the enclosure base from below or above

All holes (B2 - B4 / T2 - T4) may be used for screw-fixing to the base.

Plinth for TS8 cabinets

Base/plinth components front/rear					Base/plinth trim, side				
Width	B1	B2	B3	B4	Depth	T1	T2	T3	T4
600 (23.6)	600 (23.6)	503 (19.8)	413 (16.2)	323 (12.7)	1000 (39.3)	969 (38.1)	935 (36.8)	875 (34.4)	844 (33.2)

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REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED

OWNER : **N.U.R. GENERATION SDN BHD**

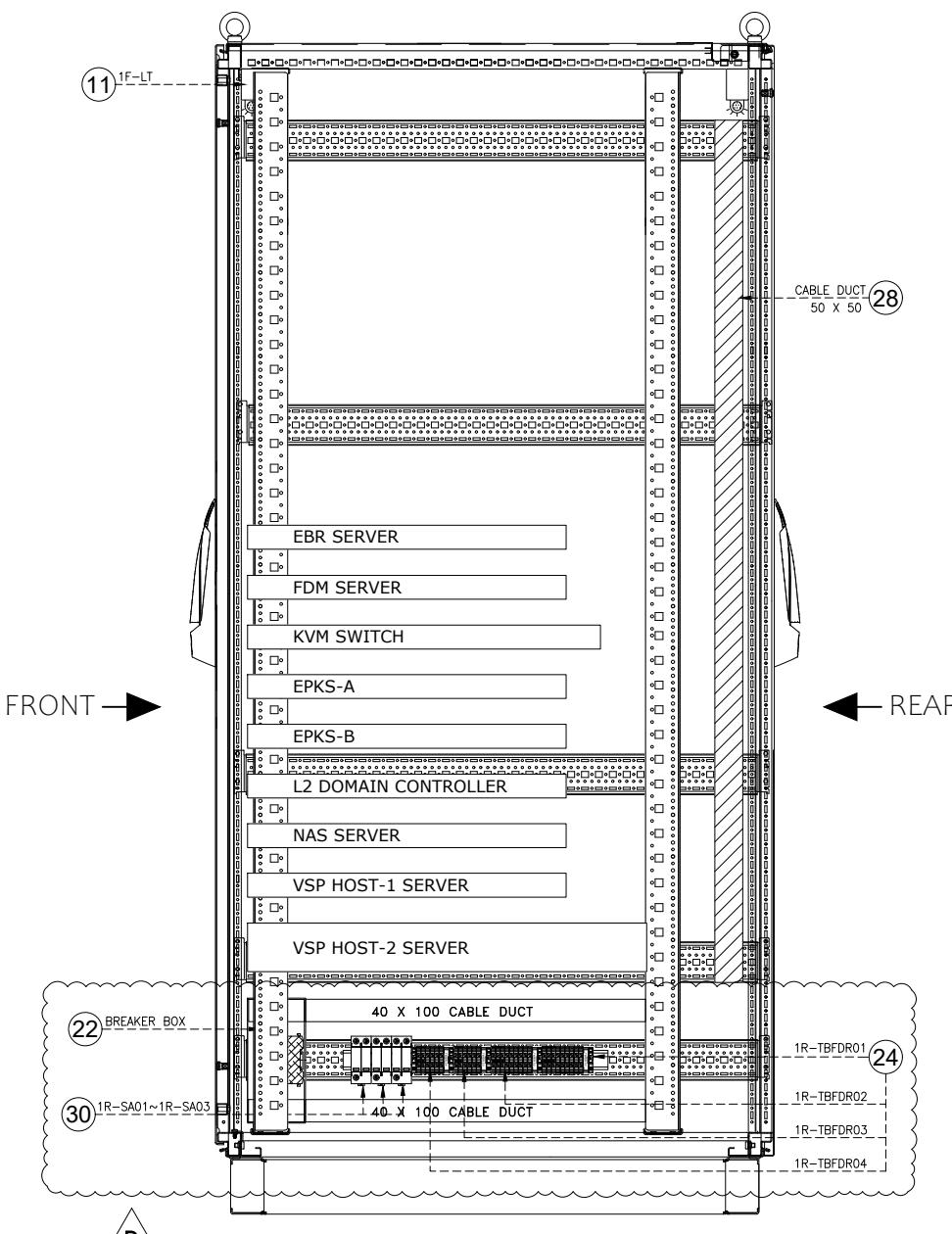
OWNER'S ENGINEER : **Jacobs** **REMACC**  
NUR ENERGY SERVICES SDN BHD JACOBS ENGINEERING GROUP SDN BHD TNB REPAIR AND MAINTENANCE SDN BHD

EPC CONSORTIUM : **JURONG ENGINEERING LIMITED** **EQUATOR ENGINEERING SDN BHD**

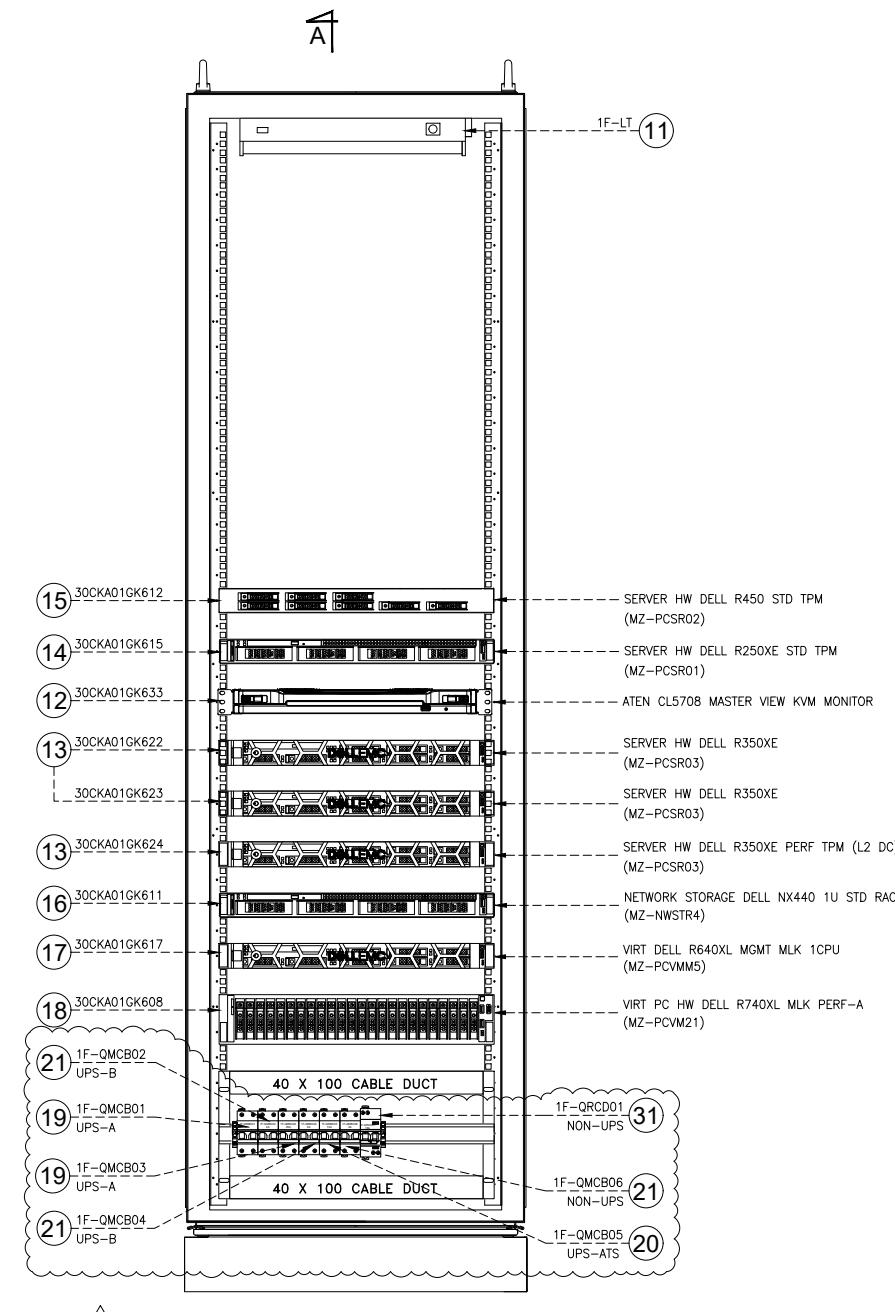
SCALE AS SHOWN PROJECTION PROJECT : 130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")

TITLE : NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM 30CKA01GH001 PLINTH DETAIL

VENDOR : <b>Honeywell</b>	JOB NO: 20064	REV D	SHT 08/45
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005			



VIEW "A - A"



FRONT VIEW

D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR	KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR	KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR	KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR	KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED

OWNER:  
**NUR power**

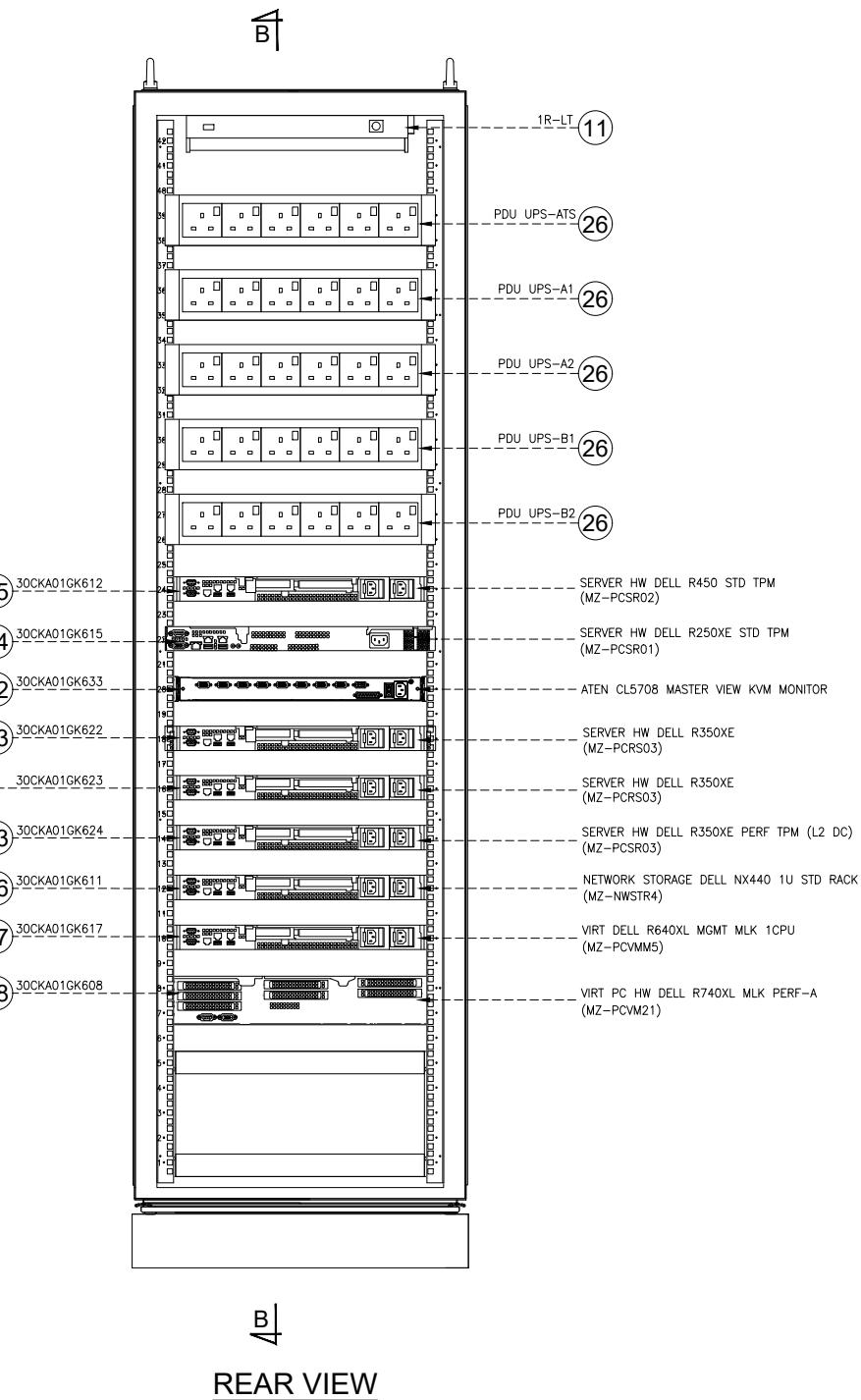
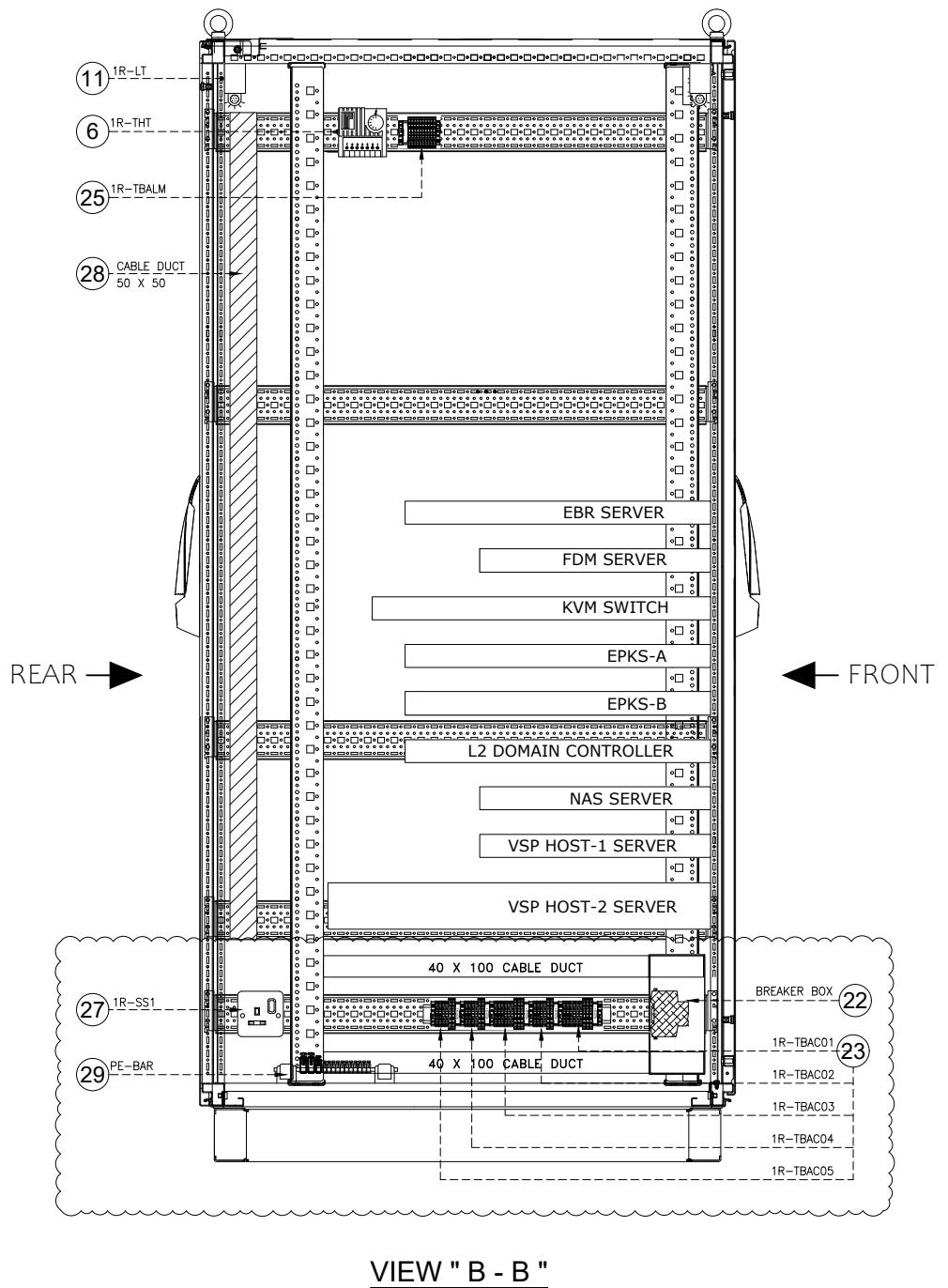
**N.U.R. GENERATION SDN BHD**

OWNER'S ENGINEER:  
**Jacobs** **REMACO**  
NUR ENERGY SERVICES SDN BHD JACOB'S ENGINEERING GROUP SDN BHD TNB REPAIR AND MAINTENANCE SDN BHD

EPC CONSORTIUM:

**JEL** JURONG ENGINEERING LIMITED **EESB** EQUATOR ENGINEERING SDN BHD

SCALE AS SHOWN	PROJECTION	PROJECT: 130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")
TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM		
30CKA01GH001 INTERNAL LAYOUT (FRONT) AND VIEW "A - A"		
VENDOR: <b>Honeywell</b> HONEYWELL ENGINEERING SDN BHD	JOB NO: 20064	REV D SHT 09/45
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005		

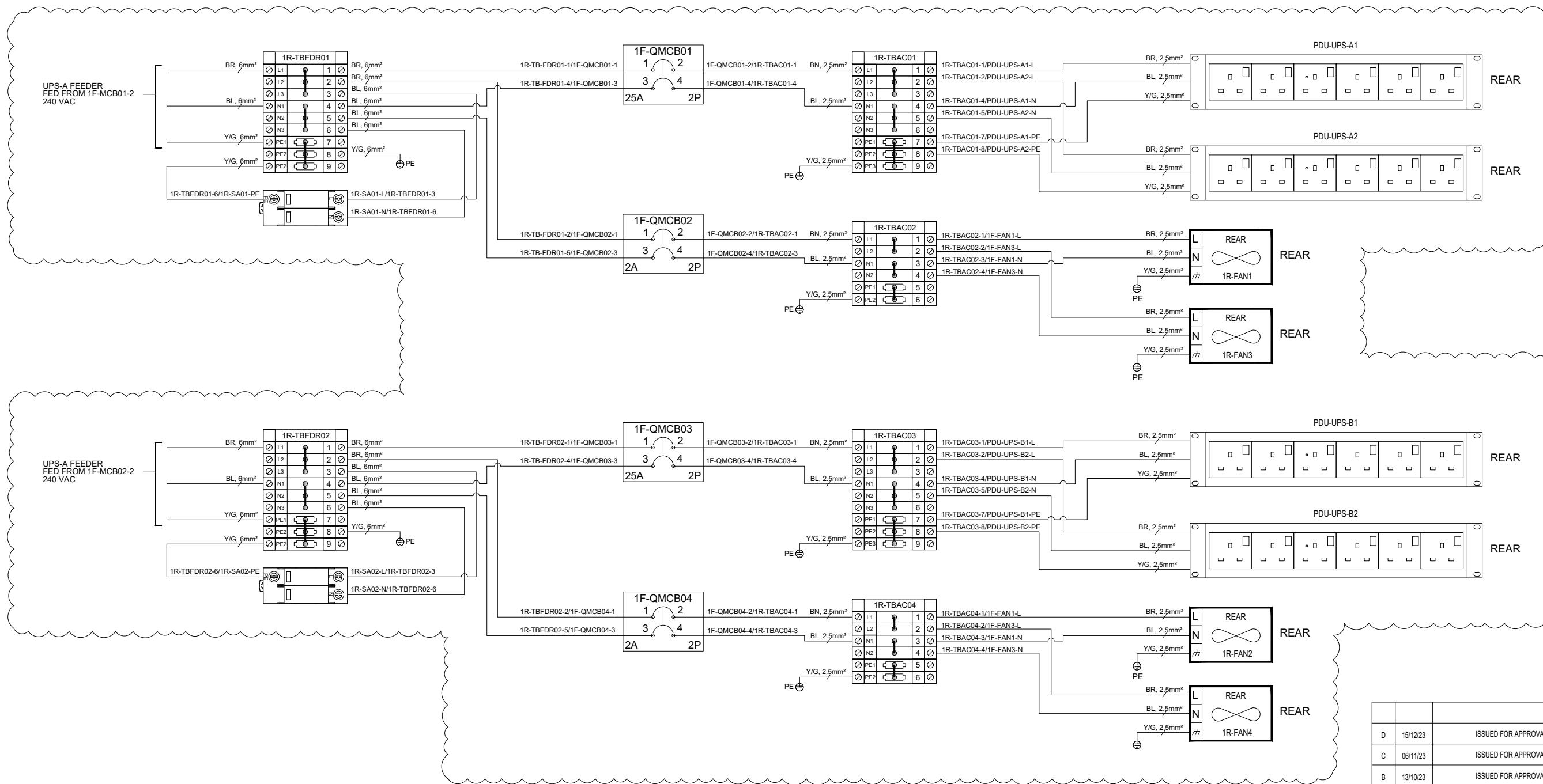


			84	84	<i>[Signature]</i>
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED

OWNER:  
 NUR POWER  
 OWNER'S ENGINEER:  
 Jacobs  
 REMACO  
 NUR ENERGY SERVICES SDN BHD  
 JACOB'S ENGINEERING GROUP SDN BHD  
 TNB REPAIR AND MAINTENANCE SDN BHD

EPC CONSORTIUM:  
 JURONG ENGINEERING LIMITED EQUATOR ENGINEERING SDN BHD

SCALE AS SHOWN	PROJECTION	PROJECT: 130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")
TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM		
30CKA01GH001 INTERNAL LAYOUT (REAR) AND VIEW "B - B"		
VENDOR: Honeywell HONEYWELL ENGINEERING SDN BHD	JOB NO: 20064	REV D SHT 10/45
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005		



			<i>84</i>	<i>84</i>	<i>JK</i>
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C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED

OWNER : **N.U.R. GENERATION SDN BHD**

OWNER'S ENGINEER : **Jacobs** **REMACC**  
NUR ENERGY SERVICES SDN BHD JACOBS ENGINEERING GROUP SDN BHD TNB REPAIR AND MAINTENANCE SDN BHD

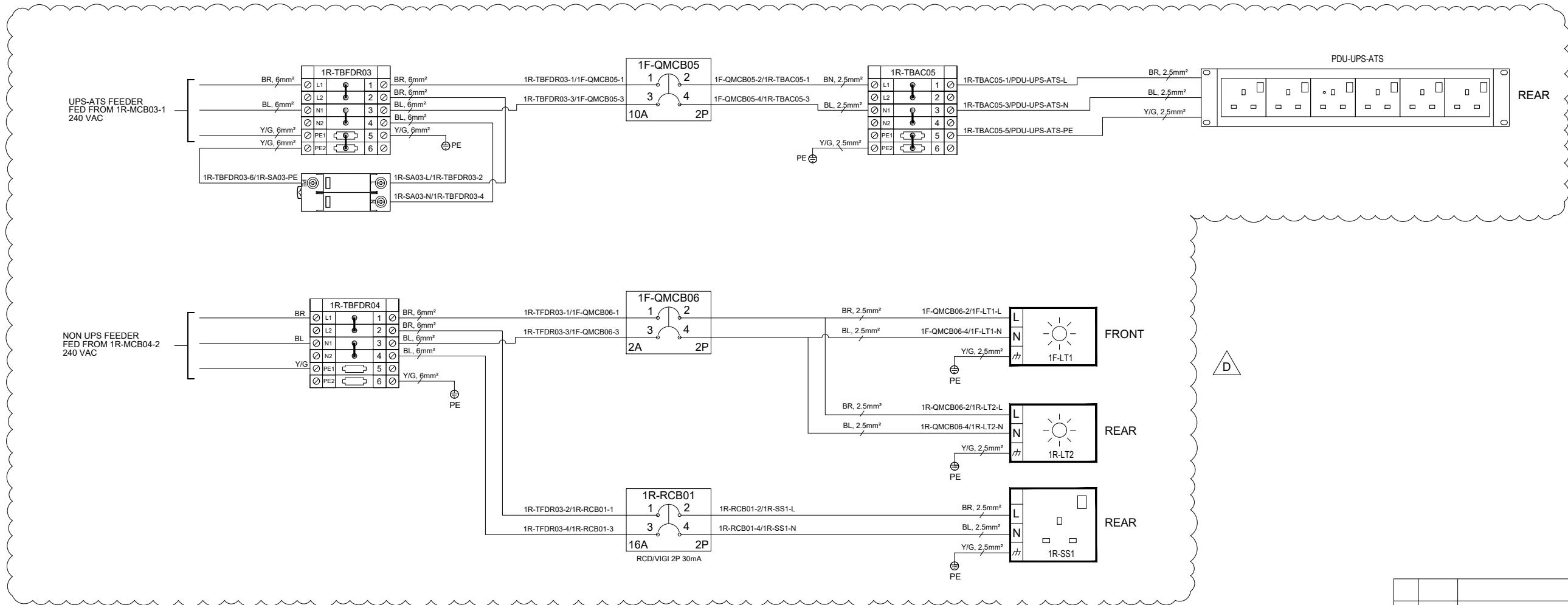
EPC CONSORTIUM :

**JURONG ENGINEERING LIMITED** **EQUATOR ENGINEERING SDN BHD**

SCALE	PROJECTION	PROJECT:
AS SHOWN		130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")
TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM		
30CKA01GH001 AC POWER DISTRIBUTION 1		

VENDOR:	JOB NO:
<b>Honeywell</b> HONEYWELL ENGINEERING SDN BHD	20064 REV D SHT 11/45
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005	

NOTE:			
Colour	Abbreviation	Colour	Abbreviation
Black	BK	Blue	BU
Brown	BN	Violet	VT
Red	RD	Grey	GY
Orange	OG	White	WH
Yellow	YE	Pink	PK
Green	GN	Turquoise	TQ
Yellow/Green	Y/G		



NOTE:			
Colour	Abbreviation	Colour	Abbreviation
Black	BK	Blue	BU
Brown	BN	Violet	VT
Red	RD	Grey	GY
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Yellow	YE	Pink	PK
Green	GN	Turquoise	TQ
Yellow/Green	Y/G		

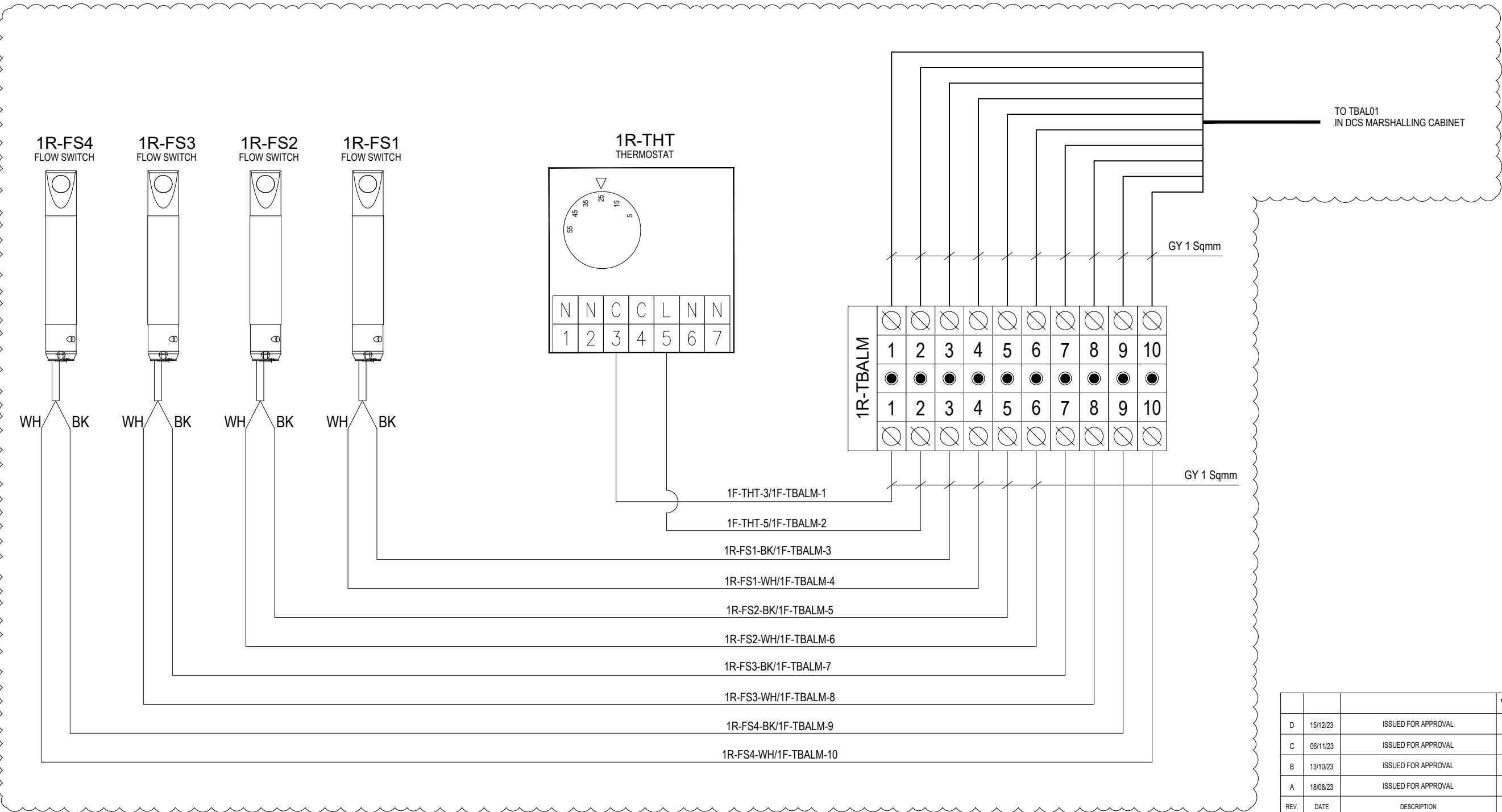
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C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED

OWNER:  
 **N.U.R. GENERATION SDN BHD**

OWNER'S ENGINEER:  
 **Jacobs**  **REMACC**  
**NUR ENERGY SERVICES SDN BHD** **JACOBS ENGINEERING GROUP SDN BHD** **TNB REPAIR AND MAINTENANCE SDN BHD**

EPC CONSORTIUM:  
 **JURONG ENGINEERING LIMITED**  **EQUATOR ENGINEERING SDN BHD**  
SCALE AS SHOWN PROJECTION PROJECT: **130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")**  
TITLE: **NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM**  
**30BLA10GH001 AC POWER DISTRIBUTION 2**

VENDOR:  **Honeywell** JOB NO: **20064** REV: **D** SHT: **12/45**  
PROJECT DRAWING NO: **MYP-000311-JEL-INC-GWD-0005**



			<i>84</i>	<i>84</i>	<i>✓</i>
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED

OWNER:  
**NUR power**

**N.U.R. GENERATION SDN BHD**

OWNER'S ENGINEER:  
**Jacobs**  
NUR ENERGY SERVICES SDN BHD

**REMACC**  
JACOB'S ENGINEERING GROUP SDN BHD

**TNB REPAIR AND MAINTENANCE SDN BHD**

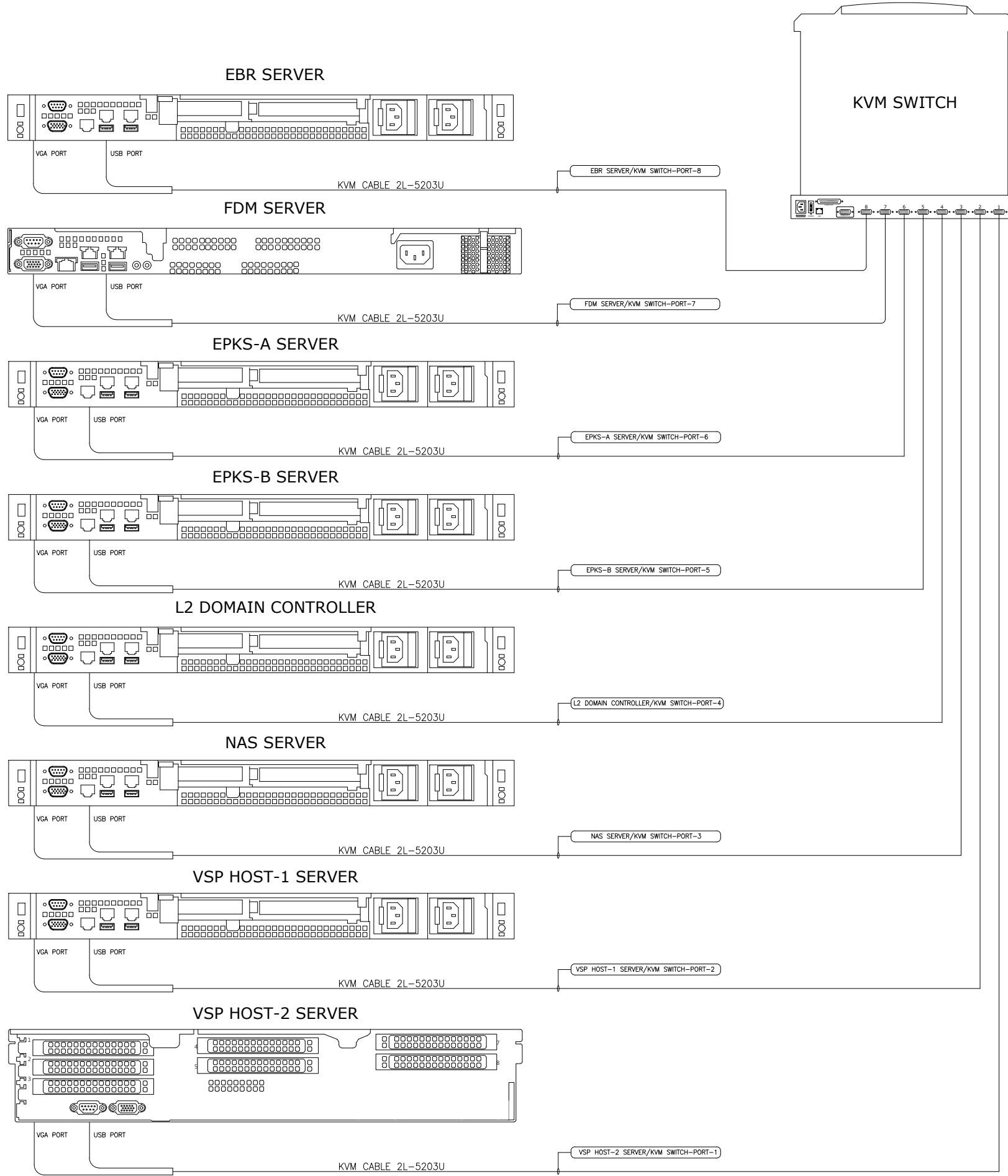
EPC CONSORTIUM:

**JEL** JURONG ENGINEERING LIMITED **EESB** EQUATOR ENGINEERING SDN BHD

SCALE: AS SHOWN PROJECTION: PROJECT:  
130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")

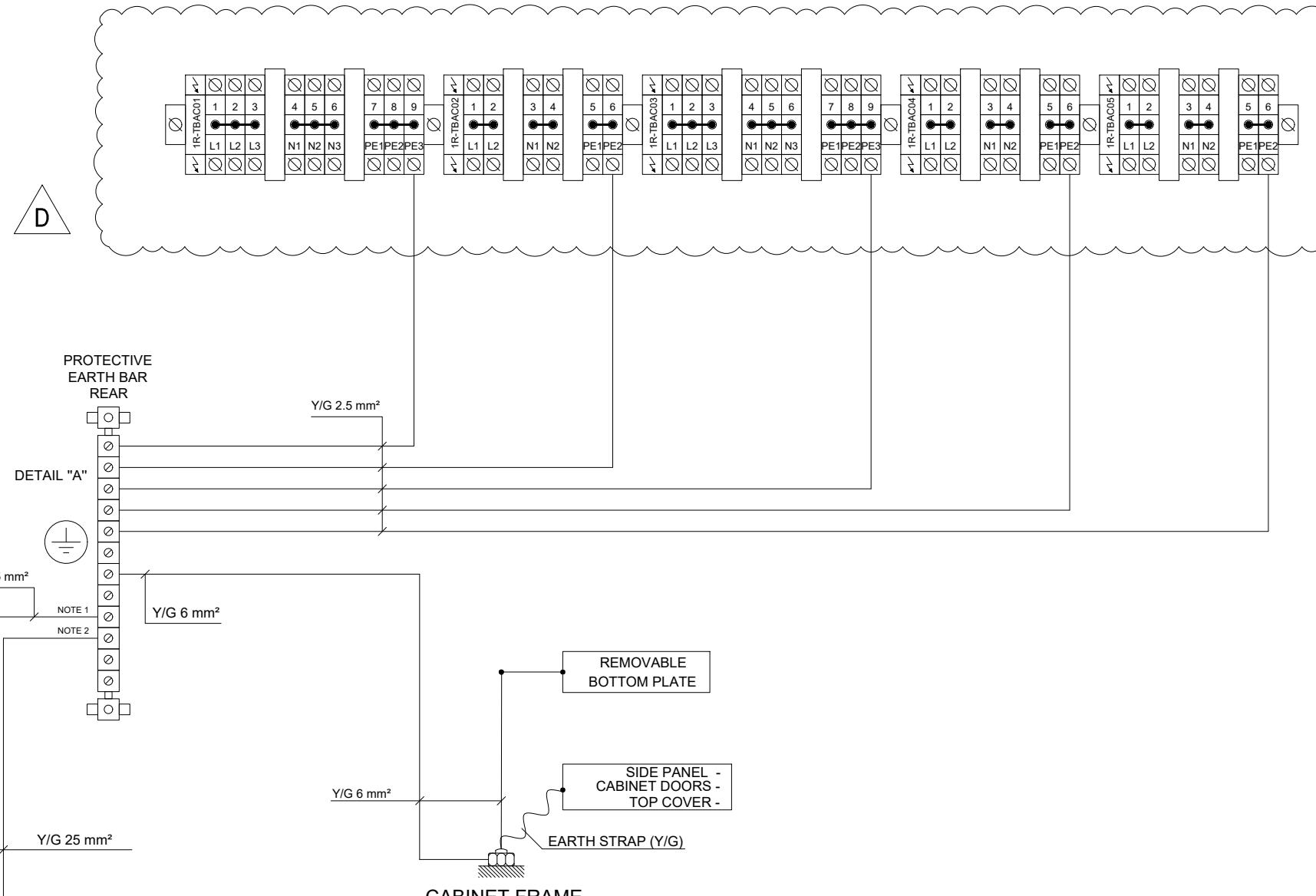
TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM  
30CKA01GH001 CABINET ALARM

VENDOR: <b>Honeywell</b> HONEYWELL ENGINEERING SDN BHD	JOB NO: 20064	REV: D	SHT: 13/45
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005			



			84	84	✓
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED
OWNER:					
<b>N.U.R. GENERATION SDN BHD</b>					
OWNER'S ENGINEER:					
<b>Jacobs</b> <b>REMACC</b> NUR ENERGY SERVICES SDN BHD JACOB'S ENGINEERING GROUP SDN BHD TNB REPAIR AND MAINTENANCE SDN BHD					
EPC CONSORTIUM:					
<b>JURONG ENGINEERING LIMITED</b> <b>EQUATOR ENGINEERING SDN BHD</b>					
SCALE	PROJECTION	PROJECT:	130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")		
AS SHOWN		TITLE:	NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM		
			30CKA01GH001 KVM CONNECTION		
VENDOR:			Honeywell	JOB NO: 20064 REV D SHT 14/45	
			PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005		

NOTE:  
 1. EARTHING CABLE TO NEXT CABINET FOR GROUNDING LOOP  
 2. EARTHING CABLE WILL BE APPLICABLE FOR END CABINET OF GROUNDING LOOP



D	15/12/23	ISSUED FOR APPROVAL	SS	SS AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED CHECKED APPROVED

OWNER:  
**NUR power**

**N.U.R. GENERATION SDN BHD**

OWNER'S ENGINEER:  
**Jacobs**  
 NUR ENERGY SERVICES SDN BHD JACOBS ENGINEERING GROUP SDN BHD TNB REPAIR AND MAINTENANCE SDN BHD

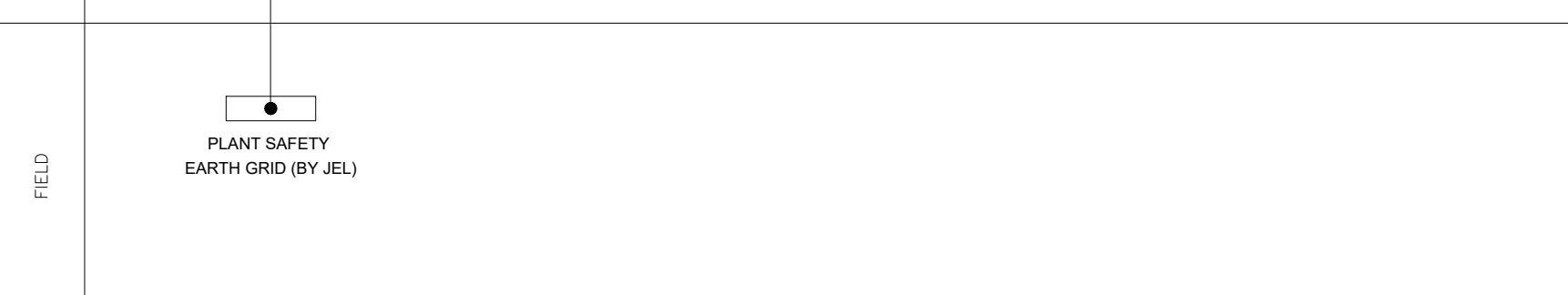
EPC CONSORTIUM:

**JEL** JURONG ENGINEERING LIMITED **EESB** EQUATOR ENGINEERING SDN BHD

SCALE AS SHOWN PROJECTION PROJECT:  
 130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK ("PROJECT AURORA")

TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM  
 30CKA01GH001 EARTHING CONNECTION

VENDOR: **Honeywell** JOB NO: 20064 REV D 15/45  
 HONEYWELL ENGINEERING SDN BHD PROJECT DRAWING NO: MYP-00311-JEL-INC-GWD-0005



NOTE:			
Colour	Abbreviation	Colour	Abbreviation
Black	BK	Blue	BU
Brown	BN	Violet	VT
Red	RD	Grey	GY
Orange	OG	White	WH
Yellow	YE	Pink	PK
Green	GN	Turquoise	TQ
Yellow/Green	Y/G		

NO.	ENGRAVED LETTER	COLOUR	FIG NO.	
			QTY.	
NP1	30CKA01GH001		1	
	DCS SERVER CABINET-01		1	
NP2	30CKA01GH001		1	
	DSC SERVER CABINET-01		1	

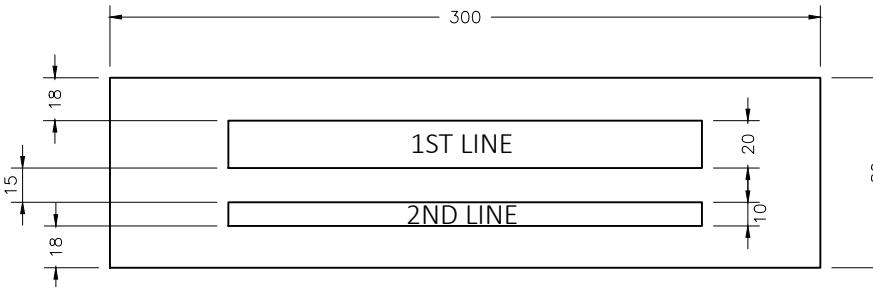


FIGURE 1 (NP1 & NP2)

NAME PLATE SPECIFICATION:

- MATERIAL:**  
TRAFFOLYTE, WHITE BACKGROUND WITH BLACK LETTER.
- ENGRAVING SIDE:**  
UNLESS OTHERWISE STATED, LETTERS/CHARACTERS USED SHALL BE ENGRAVED ON THE FRONT SIDE.
- MOUNTING:**  
DOUBLE-SIDED ADHESIVES IS USED TO MOUNT THE CABINET NAME PLATE.
- CHARACTER/FONT TYPE:**  
UNLESS OTHERWISE STATED, ARIAL UNICODE TYPE OF FONT TO BE USED.
- CHARACTER SPACING:**  
HEIGHT(H) AND PITCH OF LETTERING SHALL BE IN ACCORDANCE WITH THE FOLLOWING REQUIREMENT.

TYPE	PITCH
ALPHABET	0.85H
NUMERAL	0.85H

- ENGRAVING POSITION:**  
LETTERS/CHARACTERS SHALL BE CENTERED ACROSS EACH RESPECTIVE ROW.

			84	84	AMR
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED
OWNER:  <b>N. U. R. GENERATION SDN BHD</b>					
OWNER'S ENGINEER:  <b>Jacobs</b>  <b>REMACO</b> NUR ENERGY SERVICES SDN BHD JACOBS ENGINEERING GROUP SDN BHD TNB REPAIR AND MAINTENANCE SDN BHD					
EPC CONSORTIUM:  <b>JURONG ENGINEERING LIMITED</b>  <b>EQUATOR ENGINEERING SDN BHD</b>					
SCALE AS SHOWN	PROJECTION	PROJECT:	130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")		
TITLE: <b>NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING &amp; WIRING DIAGRAM</b> <b>30CKA01GH001 NAMEPLATE DETAIL</b>					
VENDOR:  <b>Honeywell</b> HONEYWELL ENGINEERING SDN BHD	JOB NO: 20064	REV:	SHT D 16/45	PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005	

ITEM	MODEL	DESCRIPTION	MAKE	QTY	REMARKS
01	8808.500	RITTAL TS8, RAL 7035, 2000H x 600W x 1000D	RITTAL	1	
02	8601.800	FRONT & REAR BASE PLINTH 100mm, RAL7022	RITTAL	1	
03	8601.080	TRIM SIDE BASE PLINTH 100mm, RAL7022	RITTAL	1	
04	8612.180	PUNCHED SECTION WITH MOUNTING FLANGE, OUTER MOUNTING LEVEL	RITTAL	6	
05	51197165-100	KEYLOCK, INSERTS TS8 CAB, RAL 7035	RITTAL	2	
06	MU-C8TRM1	THERMOSTAT, TS8 RITTAL	RITTAL	1	2R-THT
07	MU-C8DSS1	RITTAL TS8 DUAL ACCESS CABINET SIDESKIN	RITTAL	2	
08	SK 3239.100	FAN AND FILTER UNIT	RITTAL	1	2R-FAN1, 2R-FAN2, 2R-FAN3, 2R-FAN4
09	-	CABINET NAMEPLATE	LOCAL	2	
10	SK 3239.200	OUTLET FILTER	RITTAL	2	2R-FLT1 & 2R-FLT2
11	SKU 3A0983166	LED SYSTEM LIGHT 100V-240V,7W WITH DOOR SWITCH	PHILLIPS	2	2F-LT & 2R-LT
12	CL5708IN	KVM SWITCH	ATEN	1	KVM SWITCH
13	MZ-PCSR03	SERVER HW DELL R350XE PERF TPM	DELL	5	PHD SHADOW, PHD UI, PHD COLLECTOR, DYNAMO BD, DYNAMO COLLECTOR
14	MZ-PCIS02	SERVER HW DELL XR11 PERF RACK TPM	DELL	1	APM SERVER
15	MZ-PCWS14	WKS HW OPTIPLEX XE3 TWR WIN10 LTSC 2019	DELL	1	APM CLIENT SERVER
16	MZ-PCVM21	VIRT PC HW DELL R740XL MLK PERF-A	DELL	1	APM WEB SERVER
17	iC60N	MCB 2P, 32A	SCHNEIDER	2	QMBC01 & QMBC02
18	iC60N	MCB 2P, 10A	SCHNEIDER	1	QMBC03
19	iC60N	MCB 2P, 2A	SCHNEIDER	1	QMBC04
20	BREAKER BOX	-	LOCAL	1	-
21	UT4-MT, UT4, UT4-PE	TERMINAL BLOCK FOR AC DISTRIBUTION	PHEONIX CONTACT	12, 12, 12	2R-TBAC01, 2R-TBAC02, 2R-TBAC03, 2R-TBAC04, 2R-TBAC05
22	UT6, UT6-PE	TERMINAL BLOCK FOR INCOMING FEEDER	PHEONIX CONTACT	20, 10	2R-TBFDR01, 2R-TBFDR02, 2R-TBFDR03, 2R-TBFDR04
23	UT2.5-MT	TERMINAL BLOCK FOR ALARM	PHEONIX CONTACT	10	2R-TBALM
24	PDU	6 GANG POWER SOCKET FOR SERVER	LOCAL	5	PDU-UPS-A1, PDU-UPS-A2, PDU-UPS-B1, PDU-UPS-ATS
25	3 PIN SOCKET	SERVICE SOCKET	LOCAL	1	SS01
26	CABLE DUCTING	CABLE DUCT 50 x 50	LOCAL	2	
27	SSCH10x3+SH1+ZB4/ZB16/ZB35	PROTECTIVE EARTH BAR	LOCAL	1 LOT	2R-PE
28	A9L20500	MODULAR SURGE ARRESTOR 1P+N, 350V	SCHNEIDER	3	2R-SA01, 2R-SA02, 2R-SA03
29	A9D37616	RESIDUAL CURRENT DEVICE 16A (RCBO)	SCHNEIDER	1	2F-QRCD01
30	TBA	FAN SENSOR	TBA	4	2R-FS1, 2R-FS2, 2R-FS3, 2R-FS4

			84	84	JK
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED

OWNER :  **N. U. R. GENERATION SDN BHD**

OWNER'S ENGINEER :  **Jacobs**  **REMACC**  
A subsidiary of TNB Power Generation  
**NUR ENERGY SERVICES SDN BHD** **JACOB'S ENGINEERING GROUP SDN BHD** **TNB REPAIR AND MAINTENANCE SDN BHD**

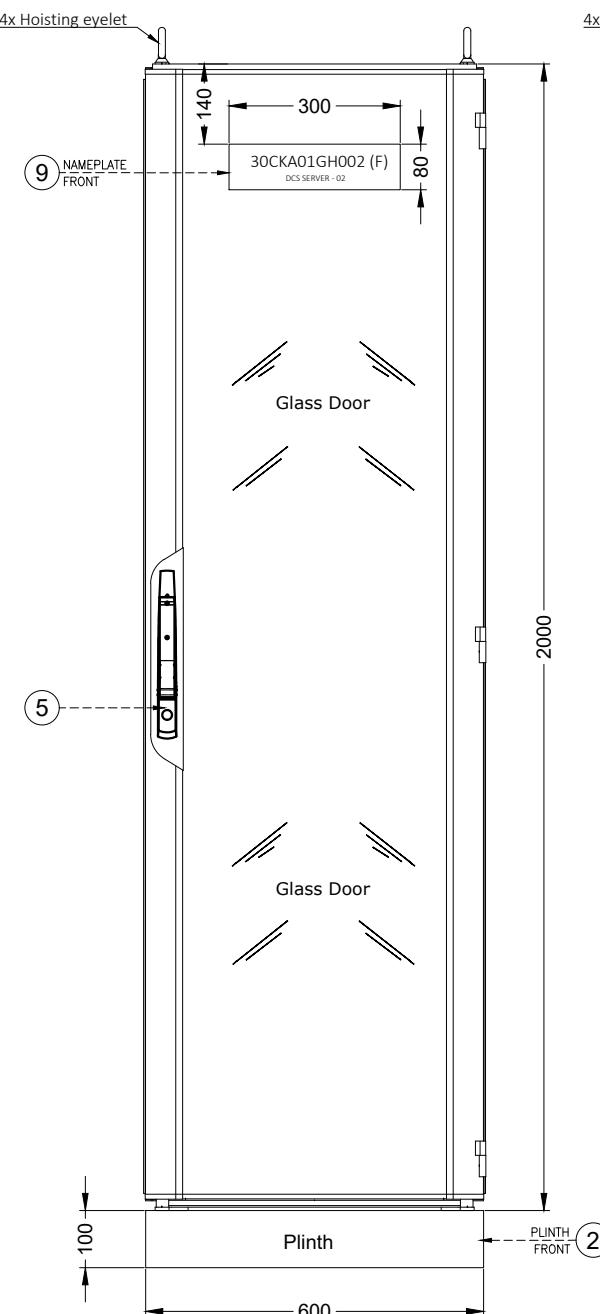
EPC CONSORTIUM :

 **JURONG ENGINEERING LIMITED**  **EQUATOR ENGINEERING SDN BHD**

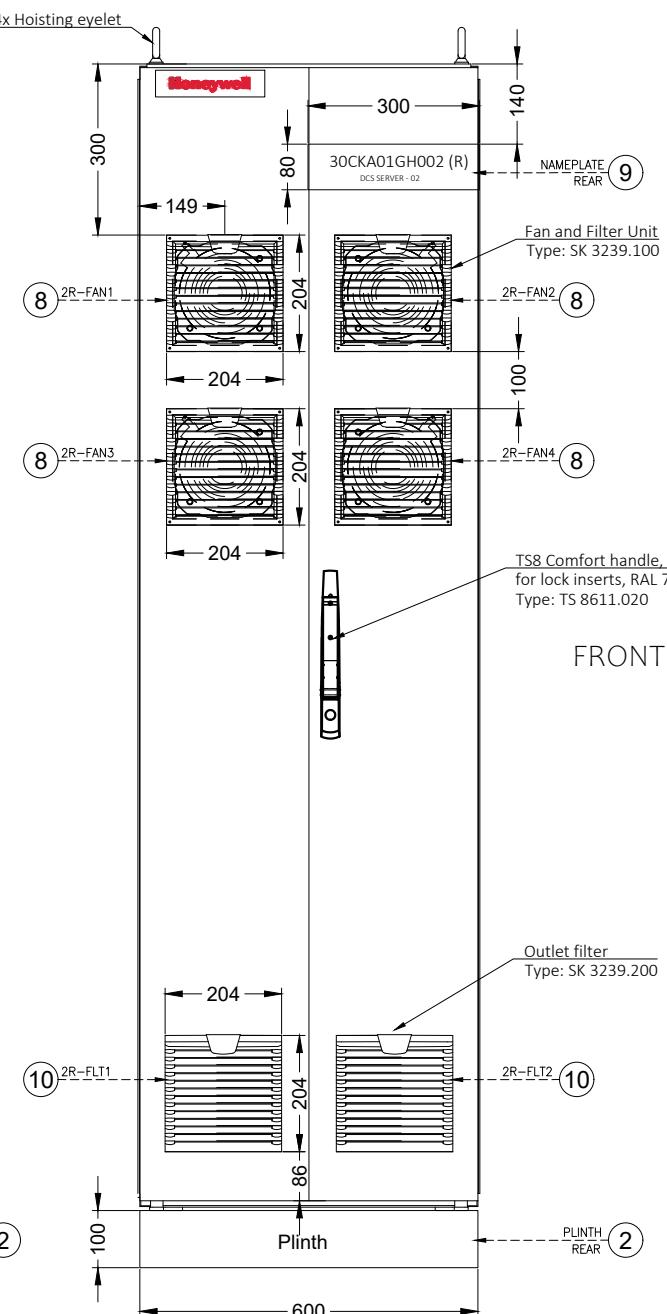
SCALE AS SHOWN PROJECTION PROJECT : **130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")**

TITLE : **NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM**  
**30CKA01GH002 MATERIALS LIST**

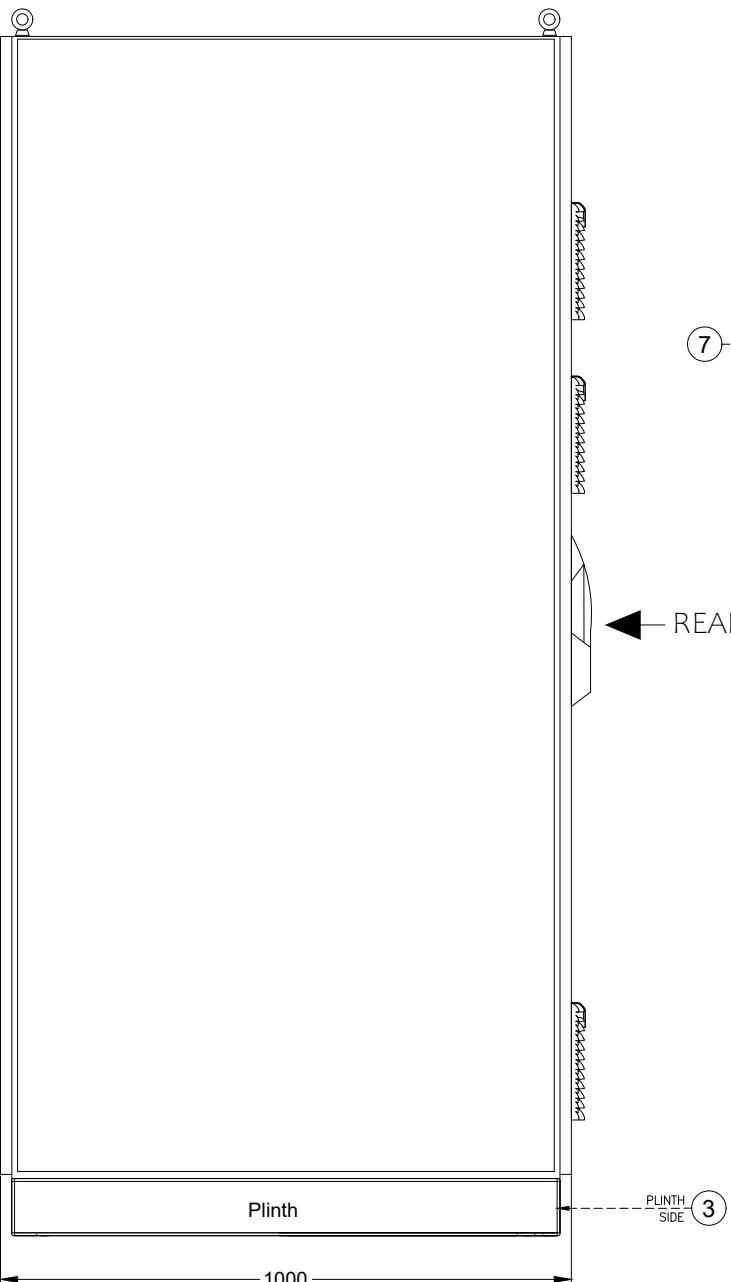
VENDOR :  <b>Honeywell</b> HONEYWELL ENGINEERING SDN BHD	JOB NO: 20064	REV D	SHT 17/45
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005			



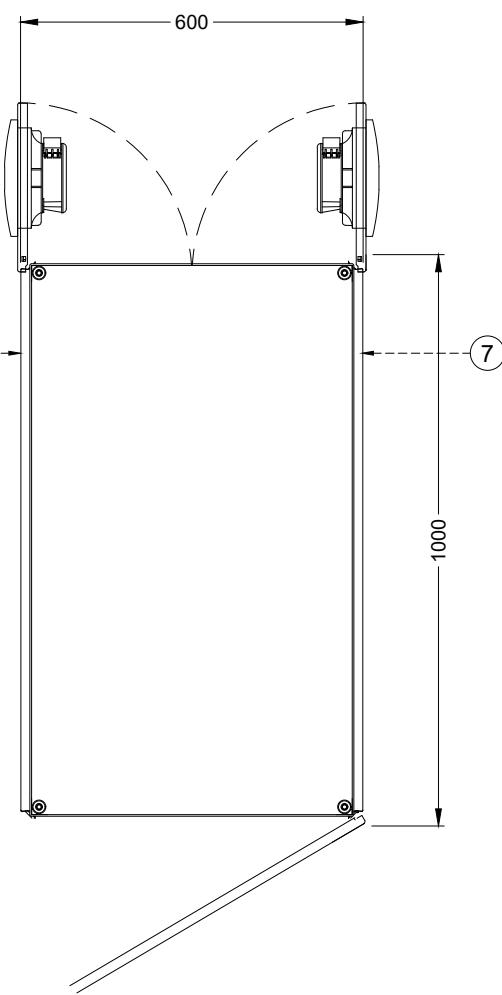
**FRONT VIEW**



**REAR VIEW**



**SIDE VIEW**



**TOP VIEW**

**Cabinet Details:**

- Cabinet reference front: 1F
- Cabinet reference rear: 1R
- Make: Rittal
- Model: TS8808
- Surface finish: RAL7035
- Side plate(s): TS8108
- Plinth finish: RAL7022
- Cable entry: Bottom
- IP Rating: IP 54

			84	84	Approved
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED

N. U. R. GENERATION SDN BHD

OWNER'S ENGINEER : Jacobs NUR power NUR ENERGY SERVICES SDN BHD JACOBS ENGINEERING GROUP SDN BHD TNB REPAIR AND MAINTENANCE SDN BHD

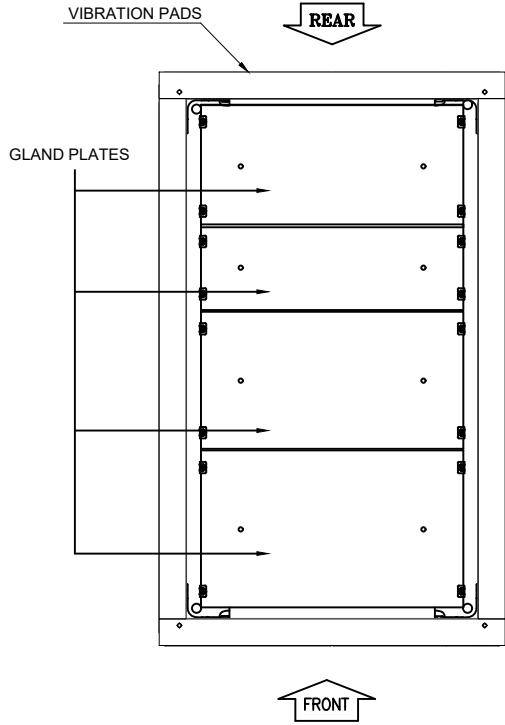
EPC CONSORTIUM : JEL JURONG ENGINEERING LIMITED EESB EQUATOR ENGINEERING SDN BHD

SCALE AS SHOWN PROJECTION PROJECT : 130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")  
TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM  
30CKA01GH002 CABINET APPEARANCE

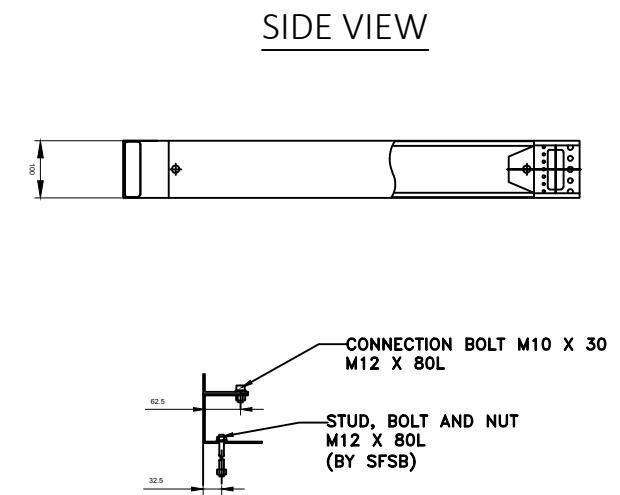
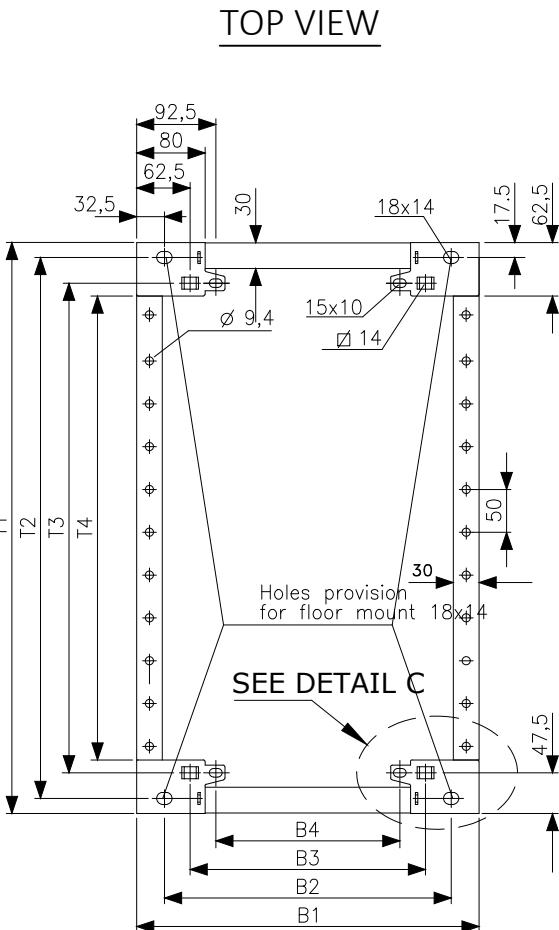
VENDOR : Honeywell HONEYWELL ENGINEERING SDN BHD	JOB NO: 20064	REV D	SHT 18/45
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005			

## PLINTH FIXING HOLE LAYOUT

All dimensions in mm (inches)



GLAND PLATES (SECTION VIEW)



Description of the hole patterns

B1/T1 = External dimension

B2/T2 = For screw-fixing in the thread of the enclosure corner piece from below

B3/T3 = For screw-fixing with captive nuts to the enclosure base from below or above

All holes (B2 - B4 / T2 - T4) may be used for screw-fixing to the base.

Plinth for TS8 cabinets

Base/plinth components front/rear					Base/plinth trim, side				
Width	B1	B2	B3	B4	Depth	T1	T2	T3	T4
600 (23.6)	600 (23.6)	503 (19.8)	413 (16.2)	323 (12.7)	1000 (39.3)	969 (38.1)	935 (36.8)	875 (34.4)	844 (33.2)

			84	84	✓
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
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REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED

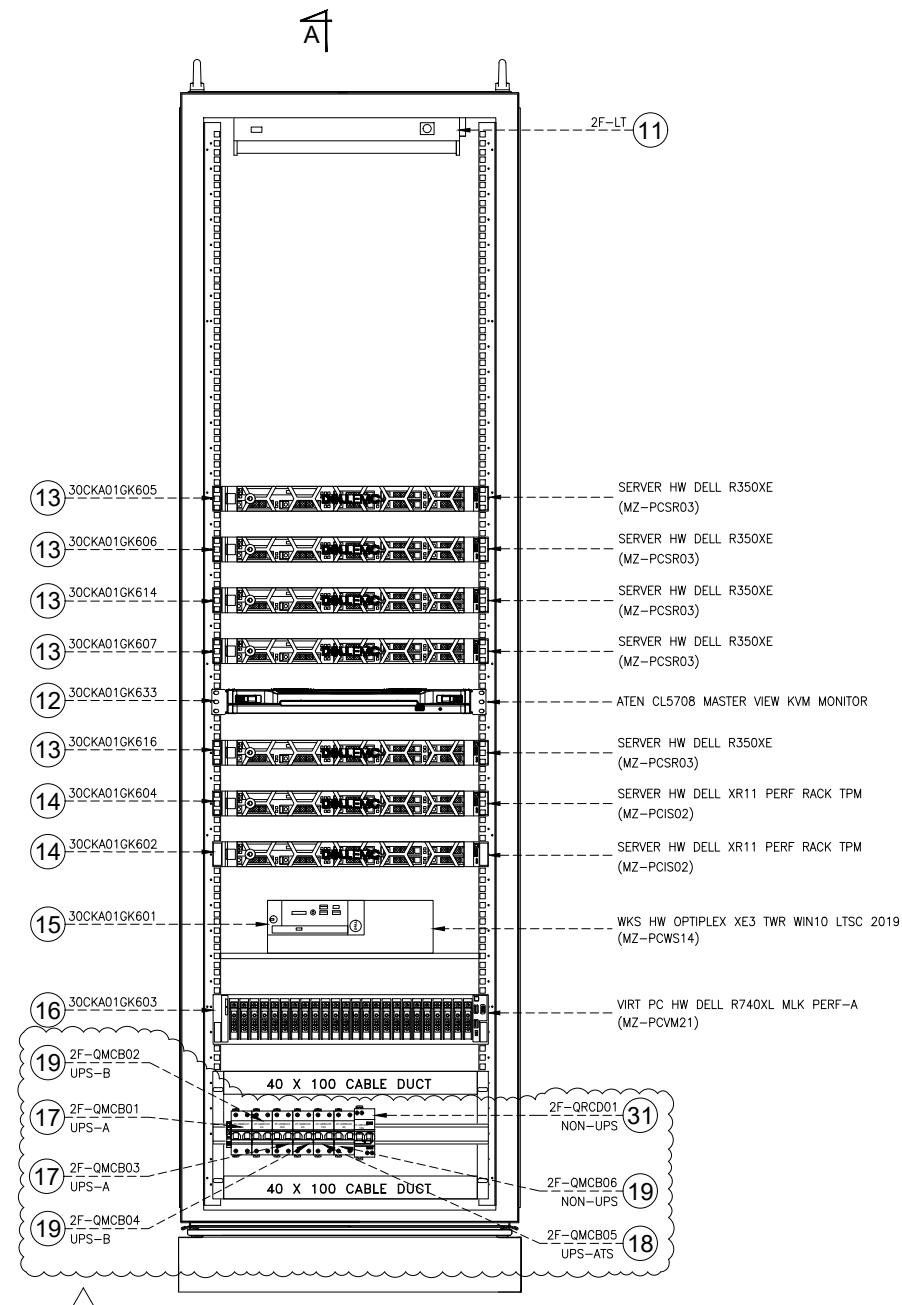
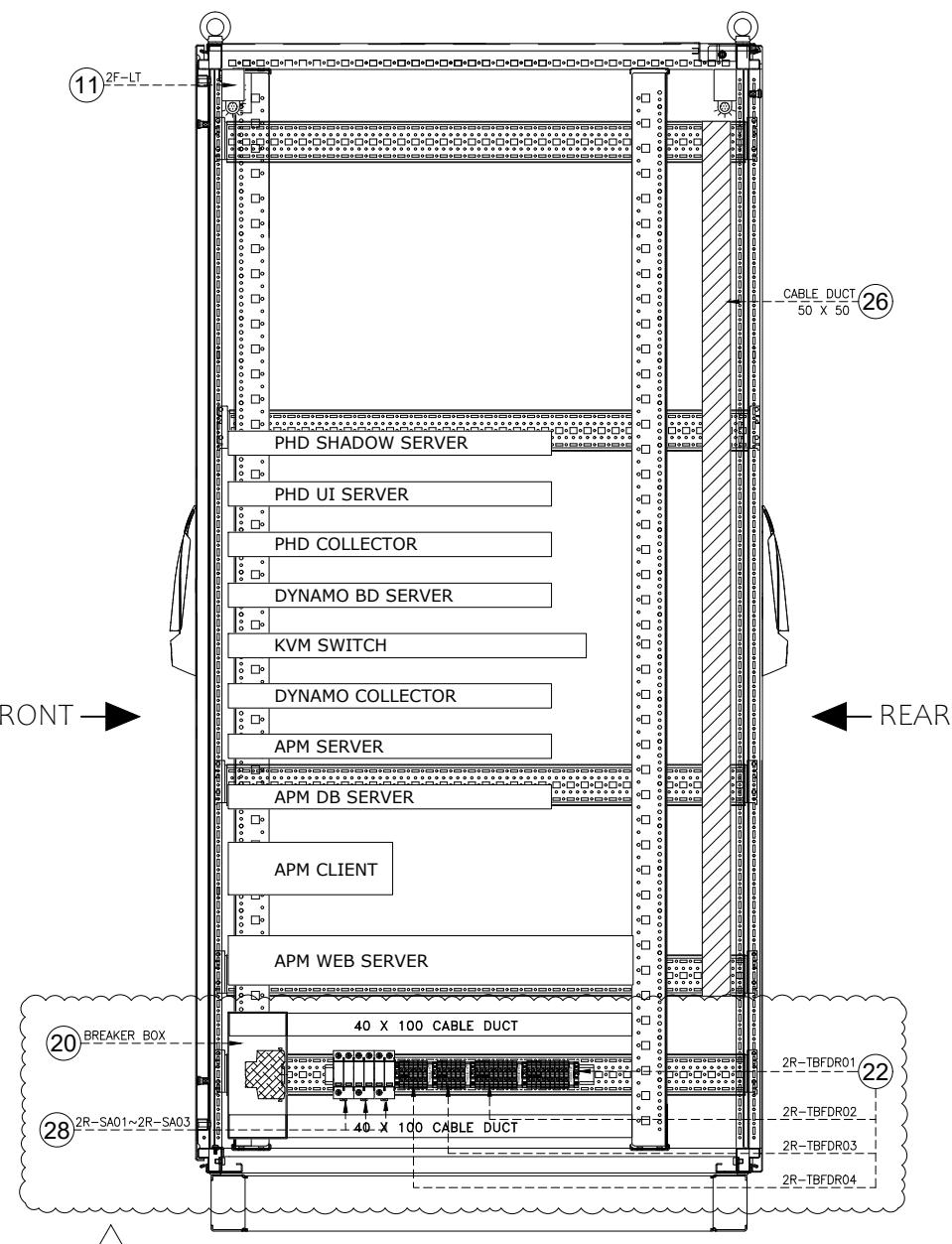
OWNER: **NUR power** N. U. R. GENERATION SDN BHD

OWNER'S ENGINEER: **Jacobs** REMACC  
NUR ENERGY SERVICES SDN BHD Jacobs ENGINEERING GROUP SDN BHD TNB REPAIR AND MAINTENANCE SDN BHD

EPC CONSORTIUM: **JEL** JURONG ENGINEERING LIMITED **EESB** EQUATOR ENGINEERING SDN BHD

SCALE AS SHOWN PROJECTION PROJECT: 130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")  
TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM 30CKA01GH002 PLINTH DETAIL

VENDOR: <b>Honeywell</b>	JOB NO: 20064	REV D	SHT 19/45
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005			



			84	84	AMR	KAS
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR	KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR	KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR	KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR	KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED

OWNER : **NUR**  
power

**N.U.R. GENERATION SDN BHD**

OWNER'S ENGINEER : **Jacobs** **REMACC**  
power  
NUR ENERGY SERVICES SDN BHD JACOB'S ENGINEERING GROUP SDN BHD TNB REPAIR AND MAINTENANCE SDN BHD

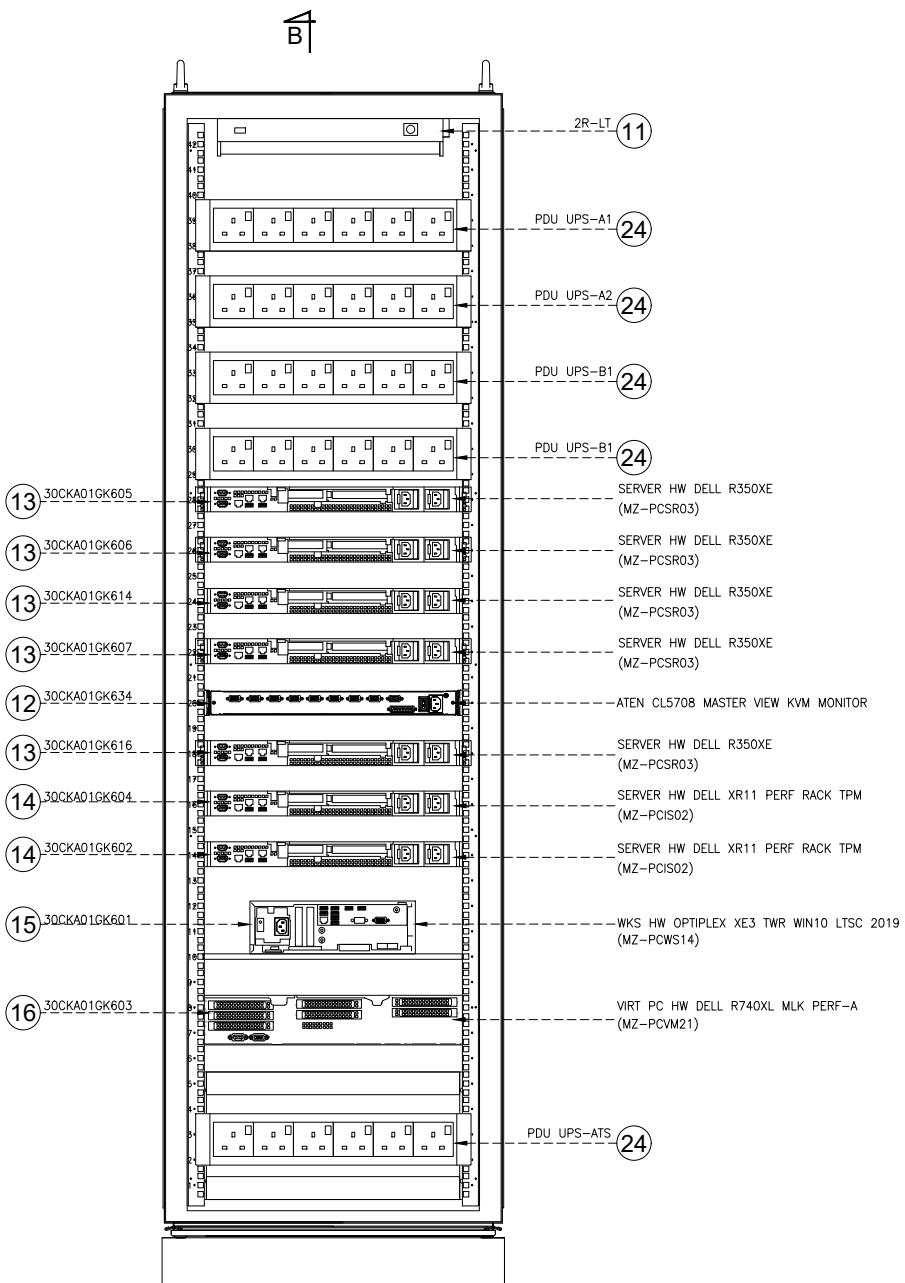
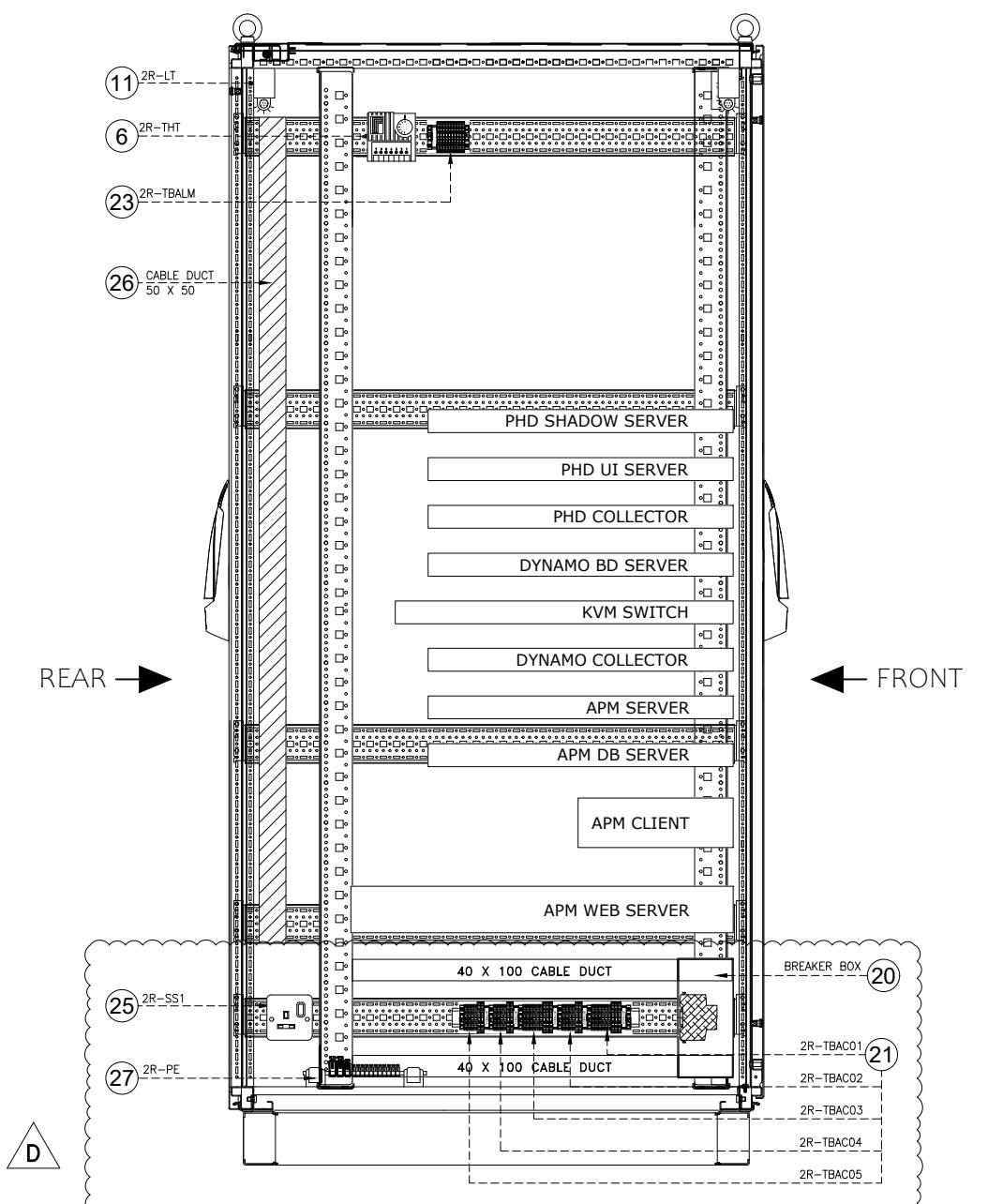
EPC CONSORTIUM :

**JEL** JURONG ENGINEERING LIMITED **EESB** EQUATOR ENGINEERING SDN BHD

SCALE AS SHOWN PROJECTION PROJECT : 130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")

TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM  
30CKA01GH002 INTERNAL LAYOUT (FRONT) AND VIEW "A - A"

VENDOR : **Honeywell** JOB NO: 20064 REV D SHT 20/45  
HONEYWELL ENGINEERING SDN BHD  
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005



			<i>84</i>	<i>84</i>	<i>✓</i>
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED

OWNER:  
**NUR**  
**NUR power**

OWNER'S ENGINEER:  
**Jacobs**  
**NUR power**  
**NUR ENERGY SERVICES SDN BHD**

**REMACC**  
**TNB REPAIR AND MAINTENANCE SDN BHD**

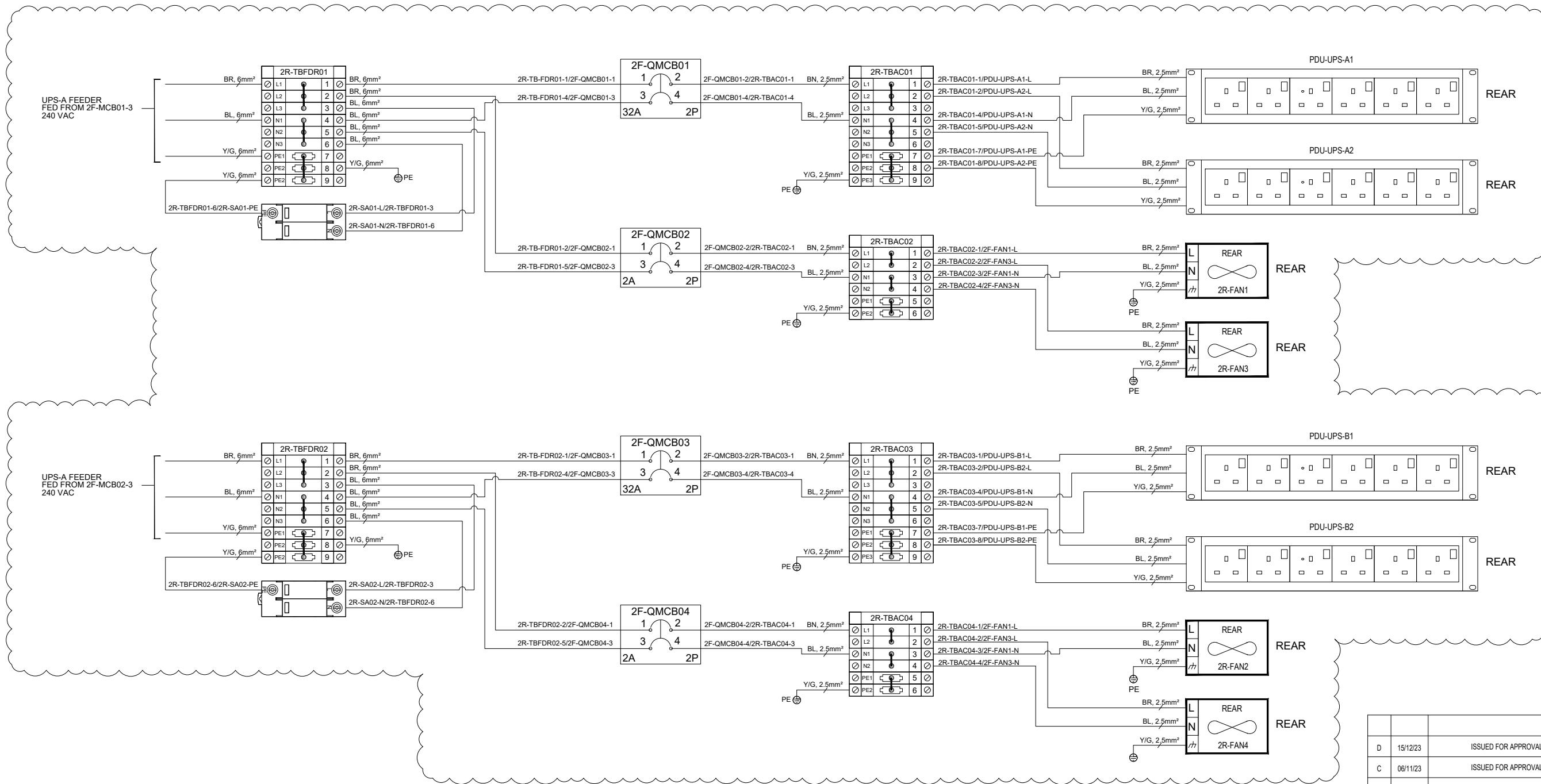
EPC CONSORTIUM:

**JEL** JURONG ENGINEERING LIMITED **EESB** EQUATOR ENGINEERING SDN BHD

SCALE: **AS SHOWN** PROJECTION: PROJECT:  
**130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")**

TITLE: **NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM**  
**30CKA01GH002 INTERNAL LAYOUT (REAR) AND VIEW "B - B"**

VENDOR: **Honeywell** JOB NO.: **20064** REV: **D** SHT: **21/45**  
**HONEYWELL ENGINEERING SDN BHD**  
PROJECT DRAWING NO: **MYP-000311-JEL-INC-GWD-0005**



			84	84	Approved
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C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED

OWNER:  
**NUR power**

**N.U.R. GENERATION SDN BHD**

OWNER'S ENGINEER:  
**Jacobs**  
NUR ENERGY SERVICES SDN BHD

**REMACC**  
JACOBS ENGINEERING GROUP SDN BHD

**TNB REPAIR AND MAINTENANCE SDN BHD**

EPC CONSORTIUM:

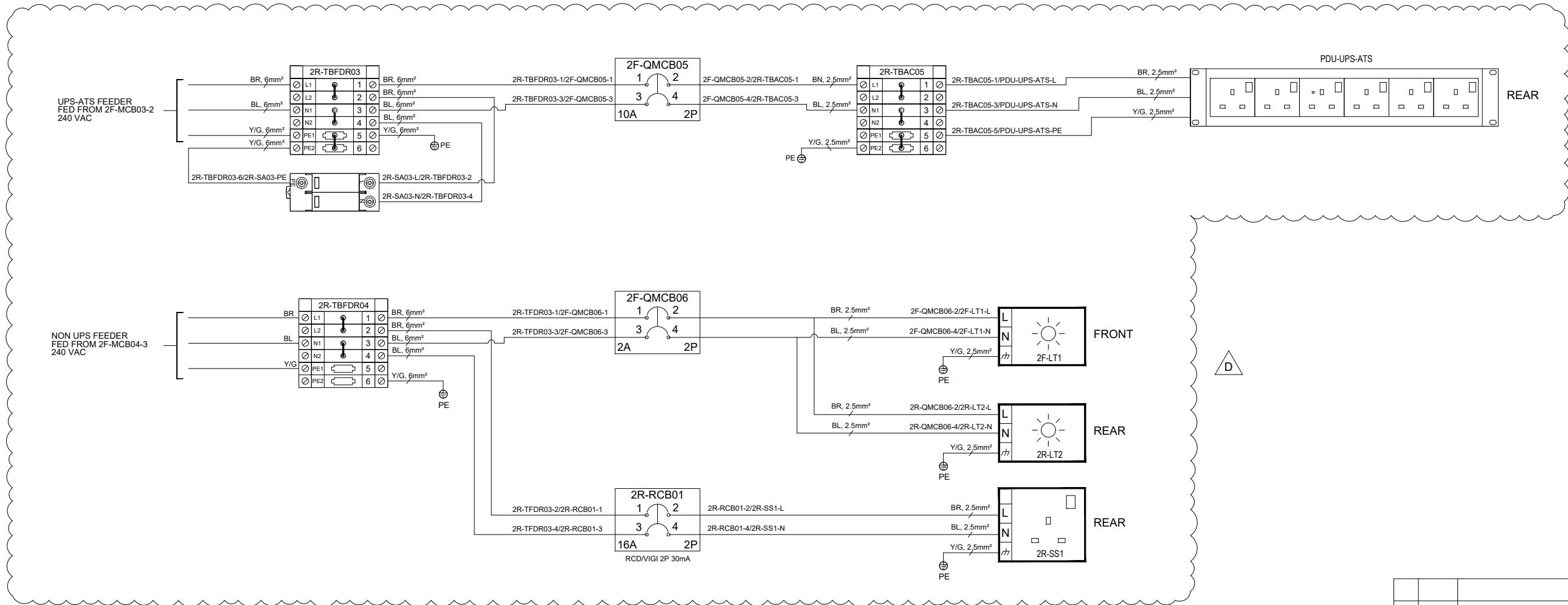
**JEL** JURONG ENGINEERING LIMITED **EESB** EQUATOR ENGINEERING SDN BHD

SCALE: AS SHOWN PROJECTION: PROJECT: 130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")

TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM 30CKA01GH002 AC POWER DISTRIBUTION 1

VENDOR: **Honeywell** JOB NO: 20064 REV D SHT 22/45  
HONEYWELL ENGINEERING SDN BHD  
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005

NOTE:			
Colour	Abbreviation	Colour	Abbreviation
Black	BK	Blue	BU
Brown	BN	Violet	VT
Red	RD	Grey	GY
Orange	OG	White	WH
Yellow	YE	Pink	PK
Green	GN	Turquoise	TQ
Yellow/Green	Y/G		



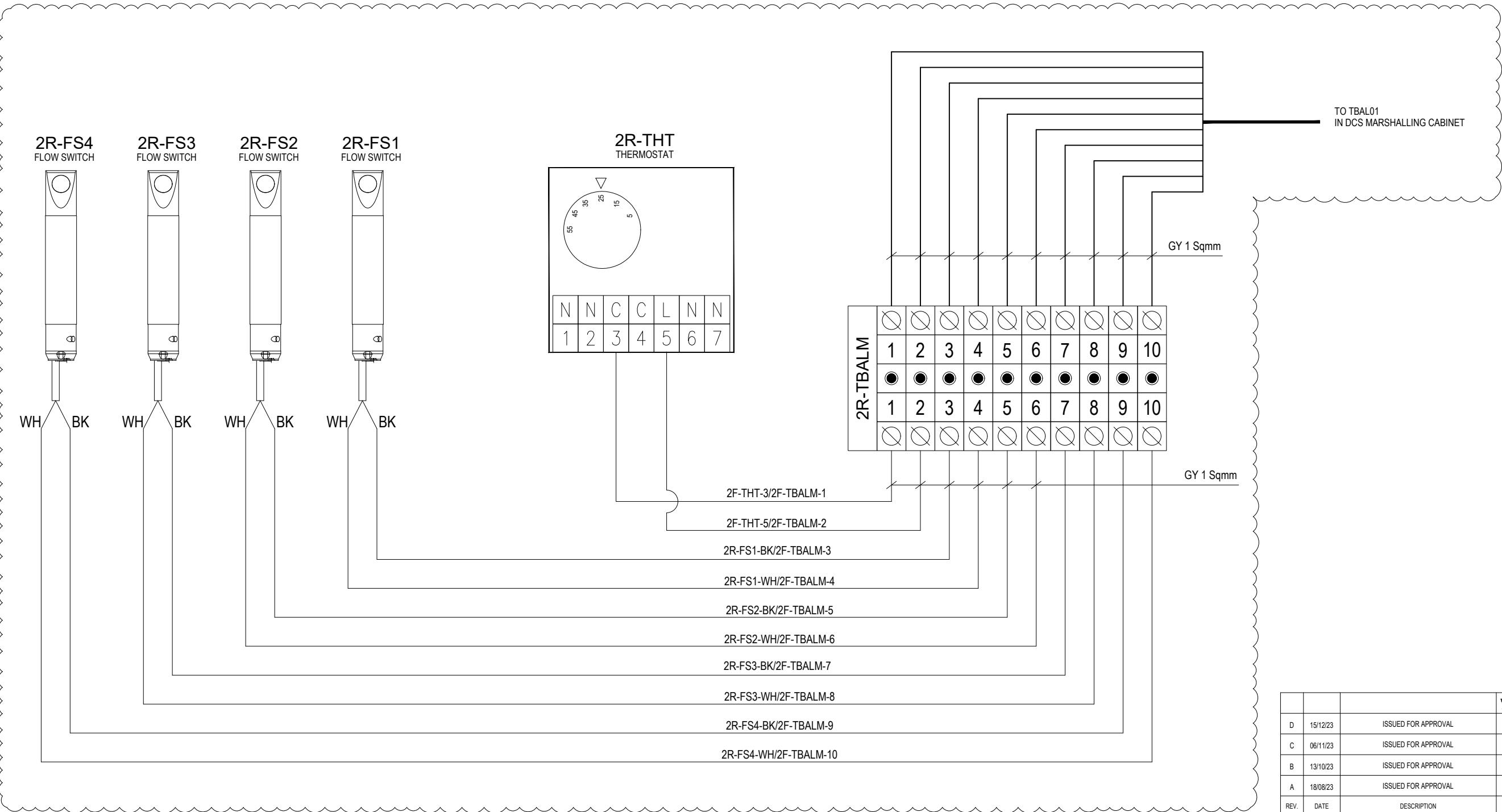
NOTE:			
Colour	Abbreviation	Colour	Abbreviation
Black	BK	Blue	BU
Brown	BN	Violet	VT
Red	RD	Grey	GY
Orange	OG	White	WH
Yellow	YE	Pink	PK
Green	GN	Turquoise	TQ
Yellow/Green	Y/G		

D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR	KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR	KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR	KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR	KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED

OWNER:  
**N.U.R. GENERATION SDN BHD**

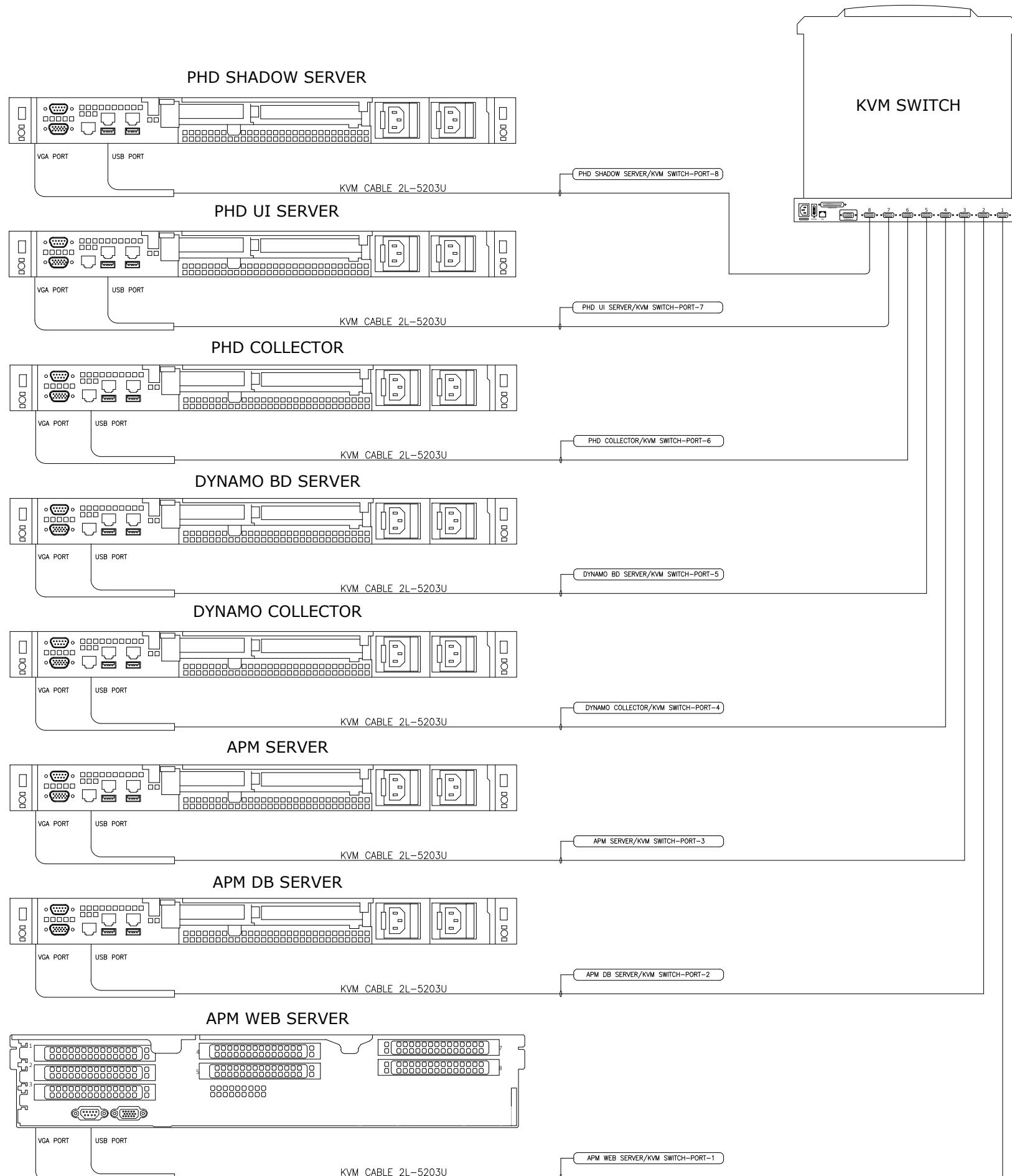
OWNER'S ENGINEER:  
**Jacobs** **REMACC**  
**NUR ENERGY SERVICES SDN BHD** **JACOBS ENGINEERING GROUP SDN BHD** **TNB REPAIR AND MAINTENANCE SDN BHD**

SCALE AS SHOWN	PROJECTION 	PROJECT: 130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")
TITLE: <b>NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING &amp; WIRING DIAGRAM</b>		
<b>30CKA01GH002 AC POWER DISTRIBUTION 2</b>		
VENDOR: <b>Honeywell</b> HONEYWELL ENGINEERING SDN BHD	JOB NO: 20064	REV D SHT 23/45
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005		



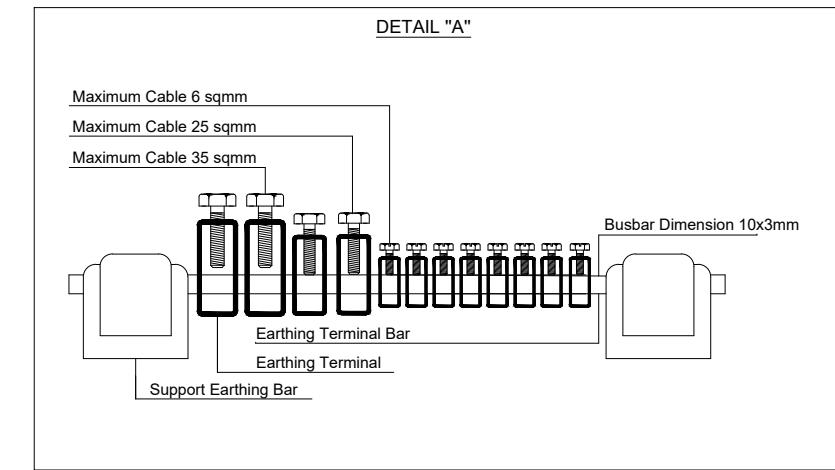
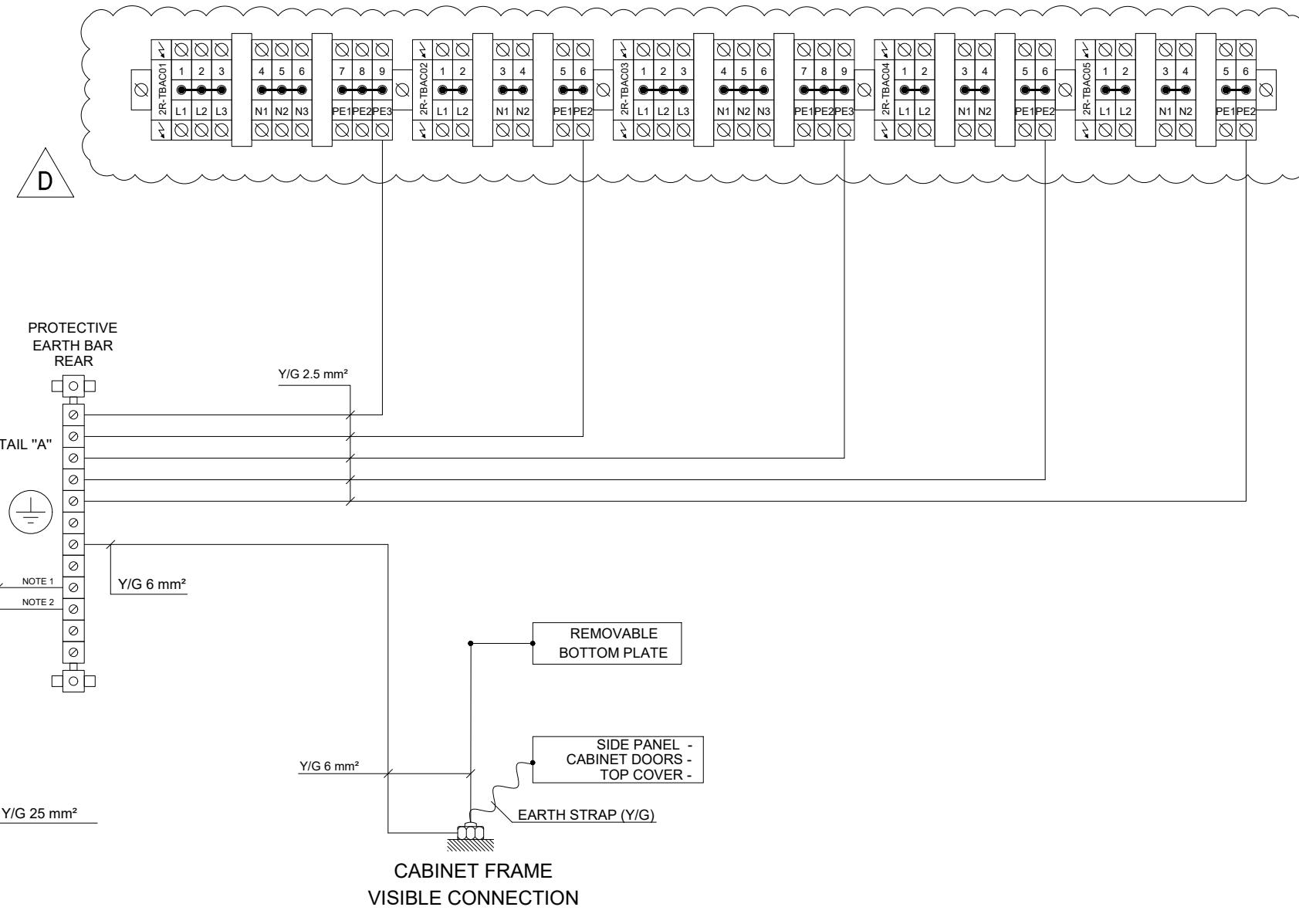
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			<i>84 84 ✓</i>
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C	06/11/23	ISSUED FOR APPROVAL	SS SS AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM AM AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM AM AMR KAS
REV.	DATE	DESCRIPTION	DRAWN DESIGNED CHECKED APPROVED
OWNER:			
 <b>N.U.R. GENERATION SDN BHD</b>			
OWNER'S ENGINEER:			
 <b>Jacobs</b>  <b>REMACC</b> <b>NUR ENERGY SERVICES SDN BHD</b> <b>JACOB'S ENGINEERING GROUP SDN BHD</b> <b>TNB REPAIR AND MAINTENANCE SDN BHD</b>			
EPC CONSORTIUM:			
 <b>JURONG ENGINEERING LIMITED</b>  <b>EQUATOR ENGINEERING SDN BHD</b>			
SCALE AS SHOWN	PROJECTION	PROJECT: 130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")	
TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM 30CKA01GH002 CABINET ALARM			
VENDOR:	<b>Honeywell</b> HONEYWELL ENGINEERING SDN BHD		JOB NO: 20064 REV D SHT 24/45
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005			

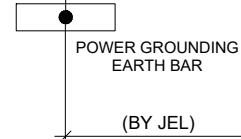


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C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED
OWNER: <b>NUR power</b>					
OWNER'S ENGINEER: <b>Jacobs</b> <b>REMACC</b> A subsidiary of TechPower Corporation <b>NUR ENERGY SERVICES SDN BHD</b> <b>JACOBSEN ENGINEERING GROUP SDN BHD</b> <b>TNB REPAIR AND MAINTENANCE SDN BHD</b>					
EPC CONSORTIUM: <b>JURONG ENGINEERING LIMITED</b> <b>EQUATOR ENGINEERING SDN BHD</b>					
SCALE AS SHOWN	PROJECTION	PROJECT:	130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")		
TITLE: <b>NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING &amp; WIRING DIAGRAM</b> <b>30CKA01GH002 KVM CONNECTION</b>					
VENDOR: <b>Honeywell</b> HONEYWELL ENGINEERING SDN BHD			JOB NO.: 20064	REV D	SHT 25/45
PROJECT DRAWING NO.: MYP-000311-JEL-INC-GWD-0005					

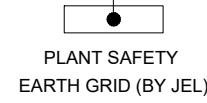
NOTE:  
 1. EARTHING CABLE TO NEXT CABINET FOR GROUNDING LOOP  
 2. EARTHING CABLE WILL BE APPLICABLE FOR END CABINET OF GROUNDING LOOP



GROUND BOX



FIELD



NOTE:			
Colour	Abbreviation	Colour	Abbreviation
Black	BK	Blue	BU
Brown	BN	Violet	VT
Red	RD	Grey	GY
Orange	OG	White	WH
Yellow	YE	Pink	PK
Green	GN	Turquoise	TQ
Yellow/Green Y/G			

			84	84	REV			
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS			
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS			
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS			
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS			
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED			
OWNER:								
N.U.R. GENERATION SDN BHD								
OWNERS ENGINEER :  Jacobs NUR ENERGY SERVICES SDN BHD								
EPC CONSORTIUM :  JURONG ENGINEERING LIMITED  EQUATOR ENGINEERING SDN BHD								
SCALE AS SHOWN	PROJECTION	PROJECT :	130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")					
TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM								
30CKA01GH002 EARTHING CONNECTION								
VENDOR:  Honeywell HONEYWELL ENGINEERING SDN BHD								
JOB NO: 20064 REV D SHT 26/45								
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005								

NO.	ENGRAVED LETTER	COLOUR	FIG NO.	
			QTY.	
NP1	30CKA01GH002		1	
	DCS SERVER CABINET-02		1	
NP2	30CKA01GH002		1	
	DSC SERVER CABINET-02		1	

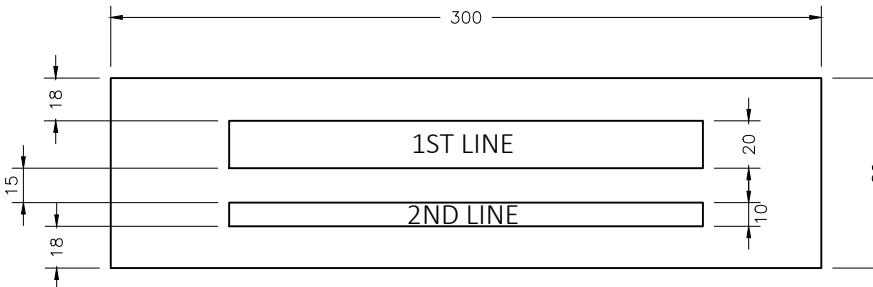


FIGURE 1 (NP1 & NP2)

NAME PLATE SPECIFICATION:

1. MATERIAL:  
TRAFFOLYTE, WHITE BACKGROUND WITH BLACK LETTER.
2. ENGRAVING SIDE:  
UNLESS OTHERWISE STATED, LETTERS/CHARACTERS USED SHALL BE ENGRAVED ON THE FRONT SIDE.
3. MOUNTING:  
DOUBLE-SIDED ADHESIVES IS USED TO MOUNT THE CABINET NAME PLATE.
4. CHARACTER/FONT TYPE:  
UNLESS OTHERWISE STATED, ARIAL UNICODE TYPE OF FONT TO BE USED.
5. CHARACTER SPACING:  
HEIGHT(H) AND PITCH OF LETTERING SHALL BE IN ACCORDANCE WITH THE FOLLOWING REQUIREMENT.

TYPE	PITCH
ALPHABET	0.85H
NUMERAL	0.85H

6. ENGRAVING POSITION:  
LETTERS/CHARACTERS SHALL BE CENTERED ACROSS EACH RESPECTIVE ROW.

			<i>84 84 ✓</i>
D	15/12/23	ISSUED FOR APPROVAL	SS SS AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS SS AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM AM AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM AM AMR KAS
REV.	DATE	DESCRIPTION	DRAWN DESIGNED CHECKED APPROVED
OWNER:  <b>N. U. R. GENERATION SDN BHD</b>			
OWNER'S ENGINEER:  <b>Jacobs</b>  <b>REMACC</b>  <b>TNB REPAIR AND MAINTENANCE SDN BHD</b>			
EPC CONSORTIUM:  <b>JURONG ENGINEERING LIMITED</b>  <b>EQUATOR ENGINEERING SDN BHD</b>			
SCALE AS SHOWN	PROJECTION	PROJECT: 130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")	
TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM 30CKA01GH002 NAMEPLATE DETAIL			
VENDOR:  <b>Honeywell</b> HONEYWELL ENGINEERING SDN BHD		JOB NO: 20064	REV D SHT 27/45
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005			

ITEM	MODEL	DESCRIPTION	MAKE	QTY	REMARKS
01	8808.500	RITTAL TS8, RAL 7035, 2000H x 800W x 800D	RITTAL	1	
02	8601.800	FRONT & REAR BASE PLINTH 100mm, RAL7022	RITTAL	1	
03	8601.080	TRIM SIDE BASE PLINTH 100mm, RAL7022	RITTAL	1	
04	8612.180	PUNCHED SECTION WITH MOUNTING FLANGE, OUTER MOUNTING LEVEL	RITTAL	8	
05	51197165-100	KEYLOCK, INSERTS TS8 CAB, RAL 7035	RITTAL	2	
06	MU-C8TRM1	THERMOSTAT, TS8 RITTAL	RITTAL	1	1R-THT
07	MU-C8DSS1	RITTAL TS8 DUAL ACCESS CABINET SIDESKIN	RITTAL	2	
08	SK 3241.100	FAN AND FILTER UNIT	RITTAL	2	1F-FAN & 1R-FAN
09	-	CABINET NAMEPLATE	LOCAL	2	
10	SZ 2154.000	A4 POCKET	RITTAL	1	
11	SK 3240.200	OUTLET FILTER	RITTAL	1	
12	SKU 3A0983166	LED SYSTEM LIGHT 100V-240V,7W WITH DOOR SWITCH	PHILLIPS	2	1F-LT & 1R-LT
13	SI-920LN4	SWITCH CISCO 9200L NON ROUTE, 24PORT	CISCO	2	L2SW-01 & L2SW-02
14	SI-9200R4	SWITCH, CISCO 9200 ROUTE, 24PORT	CISCO	2	3RD PARTY SWITCH-01 & 3RD PARTY SWITCH-02
15		CABLE MANAGEMENT	-	4	
16	iC60N	MCB 2P, 10A	SCHNEIDER	2	1F-QMCB01, 1F-QMCB03,
17	iC60N	MCB 2P, 2A	SCHNEIDER	3	1F-QMCB02, 1F-QMCB04, 1F-QMCB05,
18	BREAKER BOX	-	LOCAL	1	-
19	UT4-MT, UT4, UT4-PE	TERMINAL BLOCK FOR AC DISTRIBUTION	PHEONIX CONTACT	8, 8, 8	1R-TBAC01, 1R-TBAC02, 1R-TBAC03, 1R-TBAC04
20	UT6, UT6-PE	TERMINAL BLOCK FOR INCOMING FEEDER	PHEONIX CONTACT	16, 8	1R-TBFDR01, 1R-TBFDR02, 1R-TBFDR03
21	UT2.5-MT	TERMINAL BLOCK FOR ALARM	PHEONIX CONTACT	10	1R-TBALM
22	PDU	6 GANG POWER SOCKET FOR SERVER	LOCAL	2	PDU-UPS-A, PDU-UPS-B
23	3 PIN SOCKET	SERVICE SOCKET	LOCAL	1	1R-SS1
24	-	CABLE DUCT 100 x 100	-	1 LOT	
25	-	CABLE DUCT 50 x 50	-	1 LOT	
26	SSCH10x3+SH1+ZB4/ZB16/ZB35	PROTECTIVE EARTH BAR	LOCAL	1 LOT	1R-PE
28	A9L20500	MODULAR SURGE ARRESTOR 1P+N, 350V	SCHNEIDER	2	1R-SA01, 1R-SA02,
29	A9D37616	RESIDUAL CURRENT DEVICE 16A (RCBO)	SCHNEIDER	1	1F-QRCD01
30	TBA	FAN SENSOR	TBA	2	1R-FS1, 1R-FS2
31	EDS-316-SS-SC-T-HPS	3RD PARTY MOXA SWITCH	MOXA	2	1R-MOXA1, 1R-MOXA2

			84	84	84
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED

OWNER :  **N. U. R. GENERATION SDN BHD**

OWNER'S ENGINEER :  **Jacobs**  **REMACO**  
NUR ENERGY SERVICES SDN BHD JACOB'S ENGINEERING GROUP SDN BHD TNB REPAIR AND MAINTENANCE SDN BHD

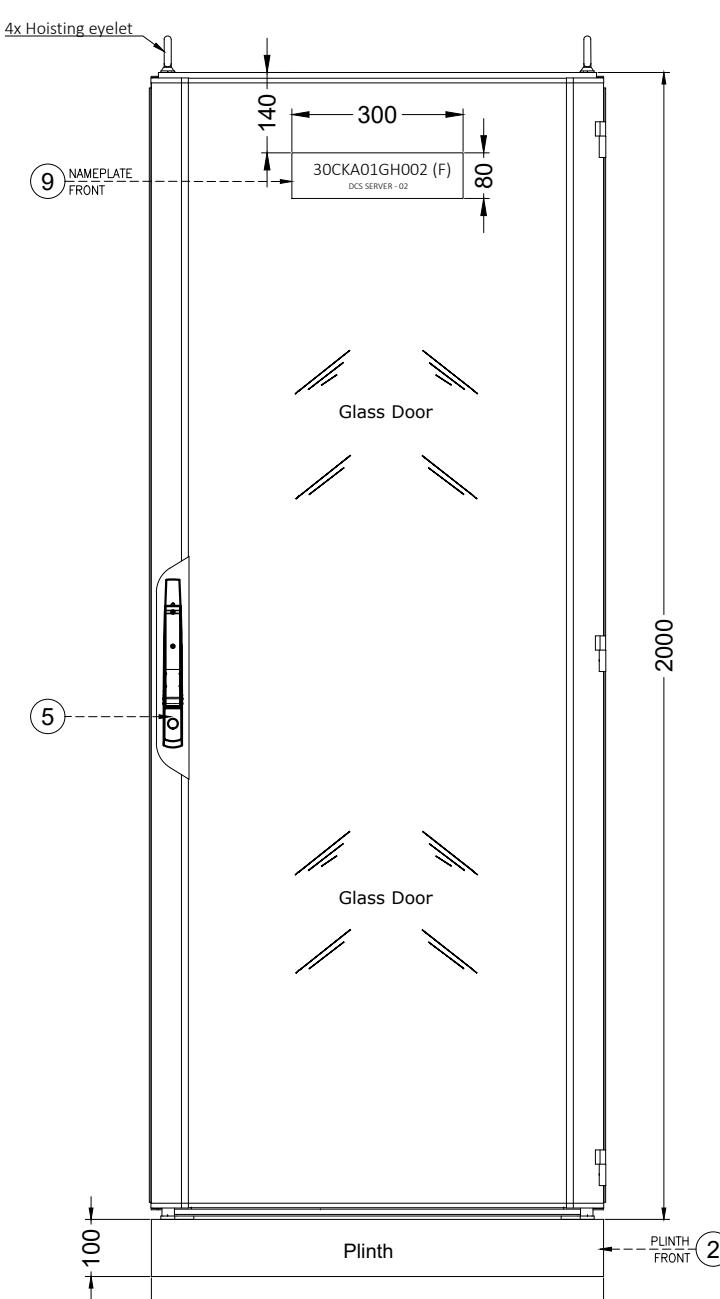
EPC CONSORTIUM :

 **JURONG ENGINEERING LIMITED**  **EQUATOR ENGINEERING SDN BHD**

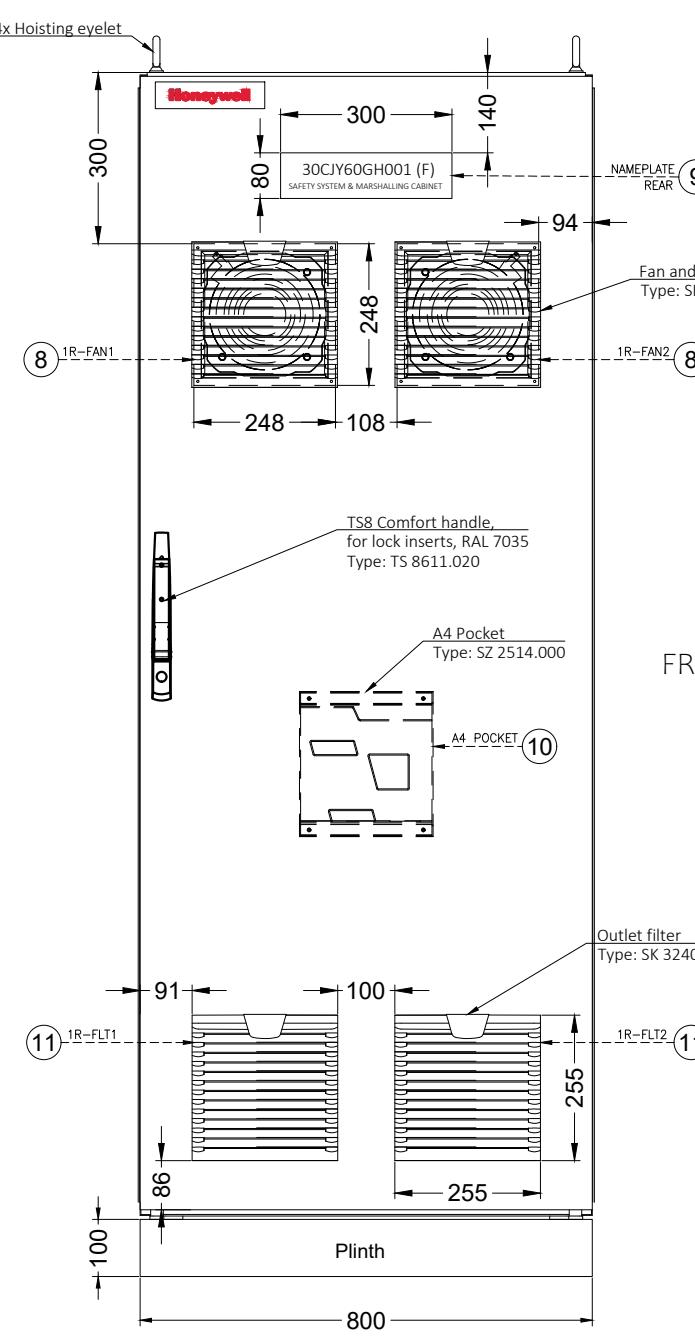
SCALE :  PROJECTION : PROJECT :  
AS SHOWN  130MW COMBINED CYCLE GAS TURBINE  
IN KULIM HI TECH PARK("PROJECT AURORA")

TITLE : NETWORK AND SERVER CABINET GENERAL ARRANGEMENT  
DRAWING & WIRING DIAGRAM  
30CYD10GH001 MATERIALS LIST

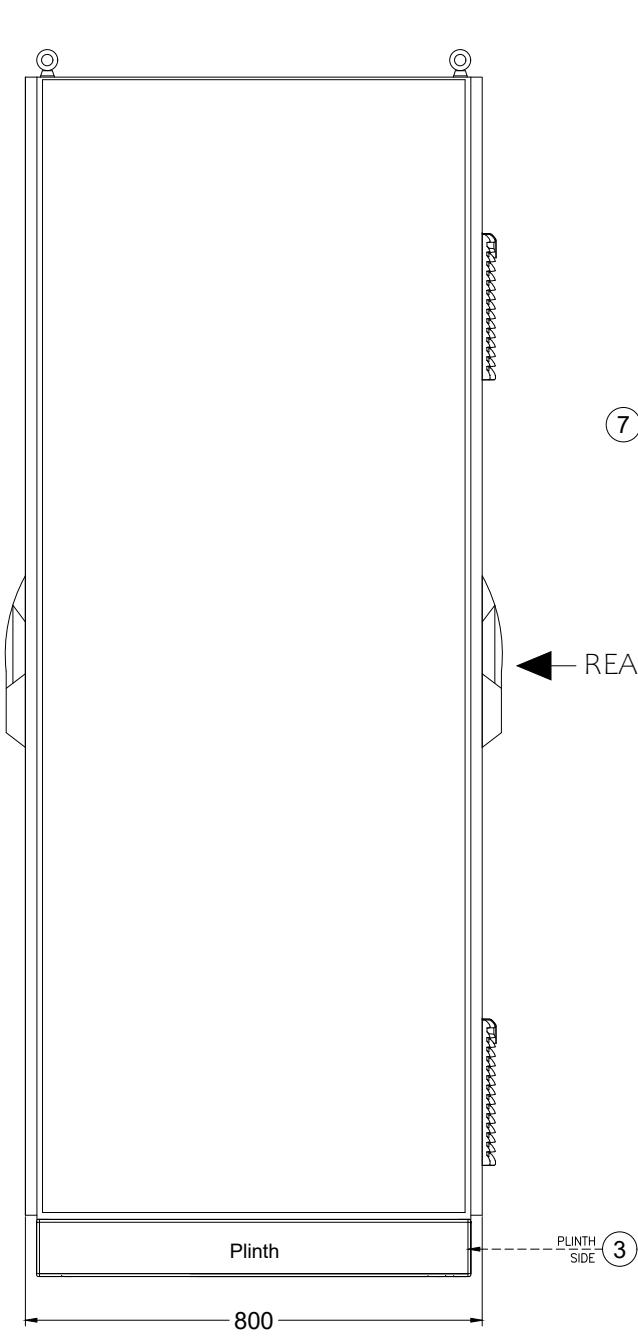
VENDOR :  **Honeywell** JOB NO: 20064 REV: D SHT: 28/45  
HONEYWELL ENGINEERING SDN BHD  
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005



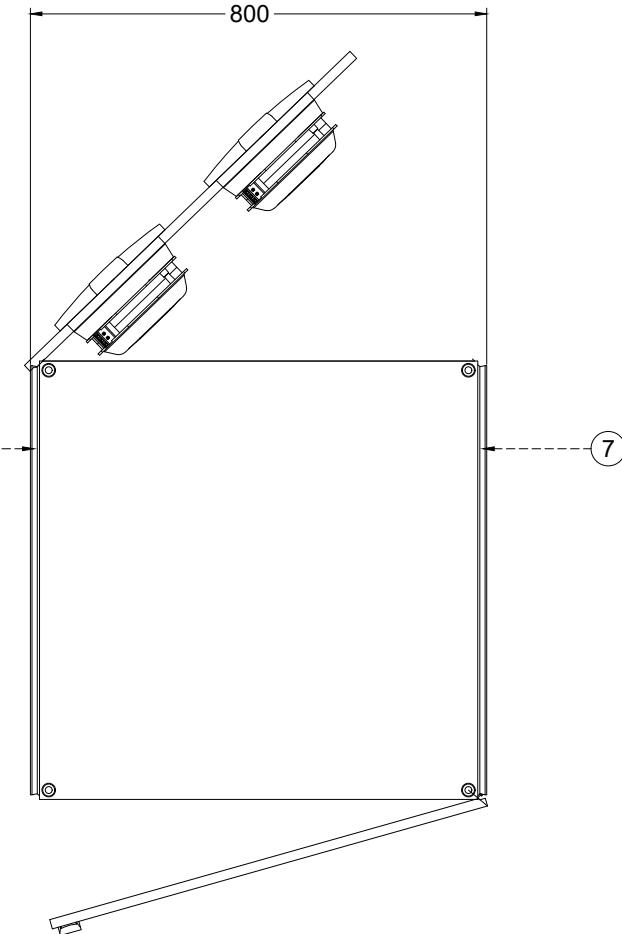
FRONT VIEW



FRONT VIEW



SIDE VIEW



**Cabinet Details:**

- Cabinet reference front: 1F
- Cabinet reference rear: 1R

- Make: Rittal  
 - Model: TS8808  
 - Surface finish: RAL7035  
 - Side plate(s): TS8108  
 - Plinth finish: RAL7022  
 - Cable entry: Bottom  
 - IP Rating: IP 54

			84	84	Approved
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED

OWNER:



NUR

power

power

power

power

power

N. U. R. GENERATION SDN BHD

OWNER'S ENGINEER:



Jacobs



REMACC  
A subsidiary of TEC Power Generation  
NUR ENERGY SERVICES SDN BHD  
JACOBS ENGINEERING GROUP SDN BHD  
TNB REPAIR AND MAINTENANCE SDN BHD

EPC CONSORTIUM:



JURONG ENGINEERING LIMITED



EQUATOR ENGINEERING SDN BHD

SCALE:  
AS SHOWN

PROJECTION:

PROJECT:  
130MW COMBINED CYCLE GAS TURBINE  
IN KULIM HI TECH PARK("PROJECT AURORA")

TITLE:  
NETWORK AND SERVER CABINET GENERAL ARRANGEMENT  
DRAWING & WIRING DIAGRAM  
30CYD10GH001 CABINET APPEARANCE

VENDOR:  
**Honeywell**  
HONEYWELL ENGINEERING  
SDN BHD

JOB NO:  
20064

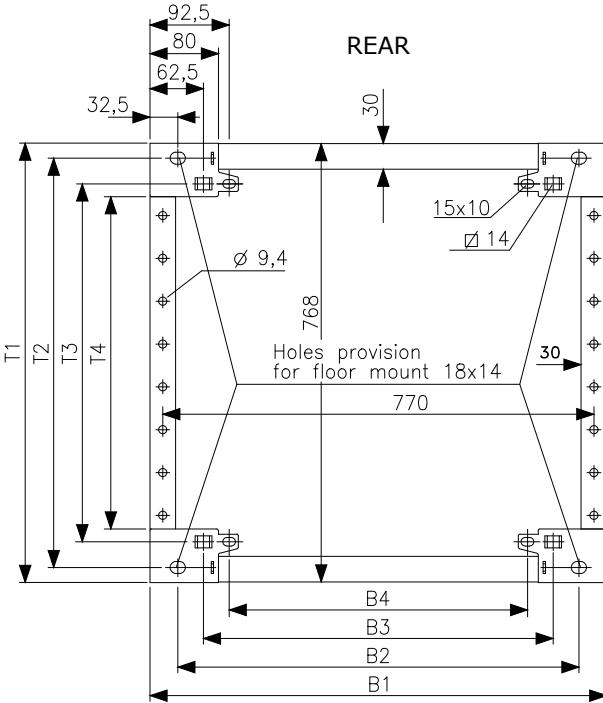
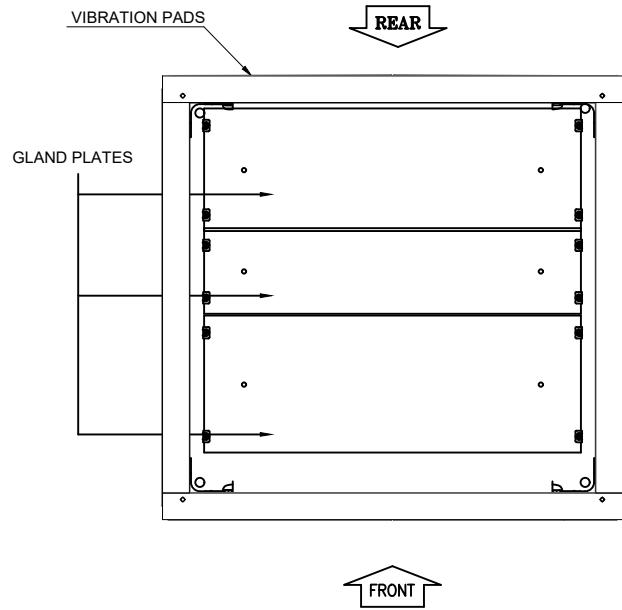
REV SHT  
D 29/45

PROJECT DRAWING NO:  
MYP-000311-JEL-INC-GWD-0005

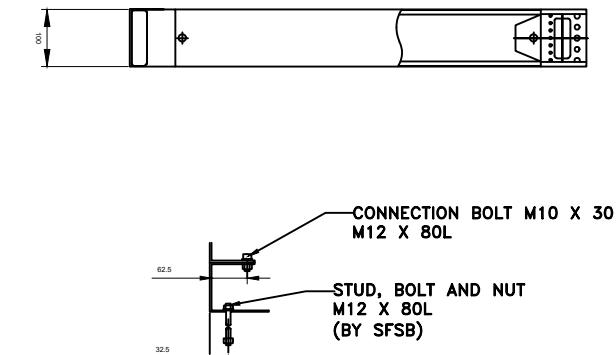
## PLINTH FIXING HOLE LAYOUT

All dimensions in mm (inches)

TOP VIEW



SIDE VIEW



### GLAND PLATES (SECTION VIEW)

Description of the hole patterns

B1/T1 = External dimension

B2/T2 = For screw-fixing in the thread of the enclosure corner piece from below

B3/T3 = For screw-fixing with captive nuts to the enclosure base from below or above

All holes (B2 - B4 / T2 - T4) may be used for screw-fixing to the base.

Plinth for TS8 cabinets

Base/plinth components front/rear					Base/plinth trim, side				
Width	B1	B2	B3	B4	Depth	T1	T2	T3	T4
800 (31.5)	800 (31.5)	735 (28.9)	675 (26.6)	615 (24.2)	800 (31.5)	769 (38.1)	735 (36.8)	675 (34.4)	644 (33.2)

			84 84 ✓
D	15/12/23	ISSUED FOR APPROVAL	SS SS AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS SS AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM AM AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM AM AMR KAS
REV.	DATE	DESCRIPTION	DRAWN DESIGNED CHECKED APPROVED

OWNER: **N. U. R. GENERATION SDN BHD**  
 **NUR power**

OWNER'S ENGINEER: **Jacobs**   
**NUR ENERGY SERVICES SDN BHD** **JACOBS ENGINEERING GROUP SDN BHD** **TNB REPAIR AND MAINTENANCE SDN BHD**

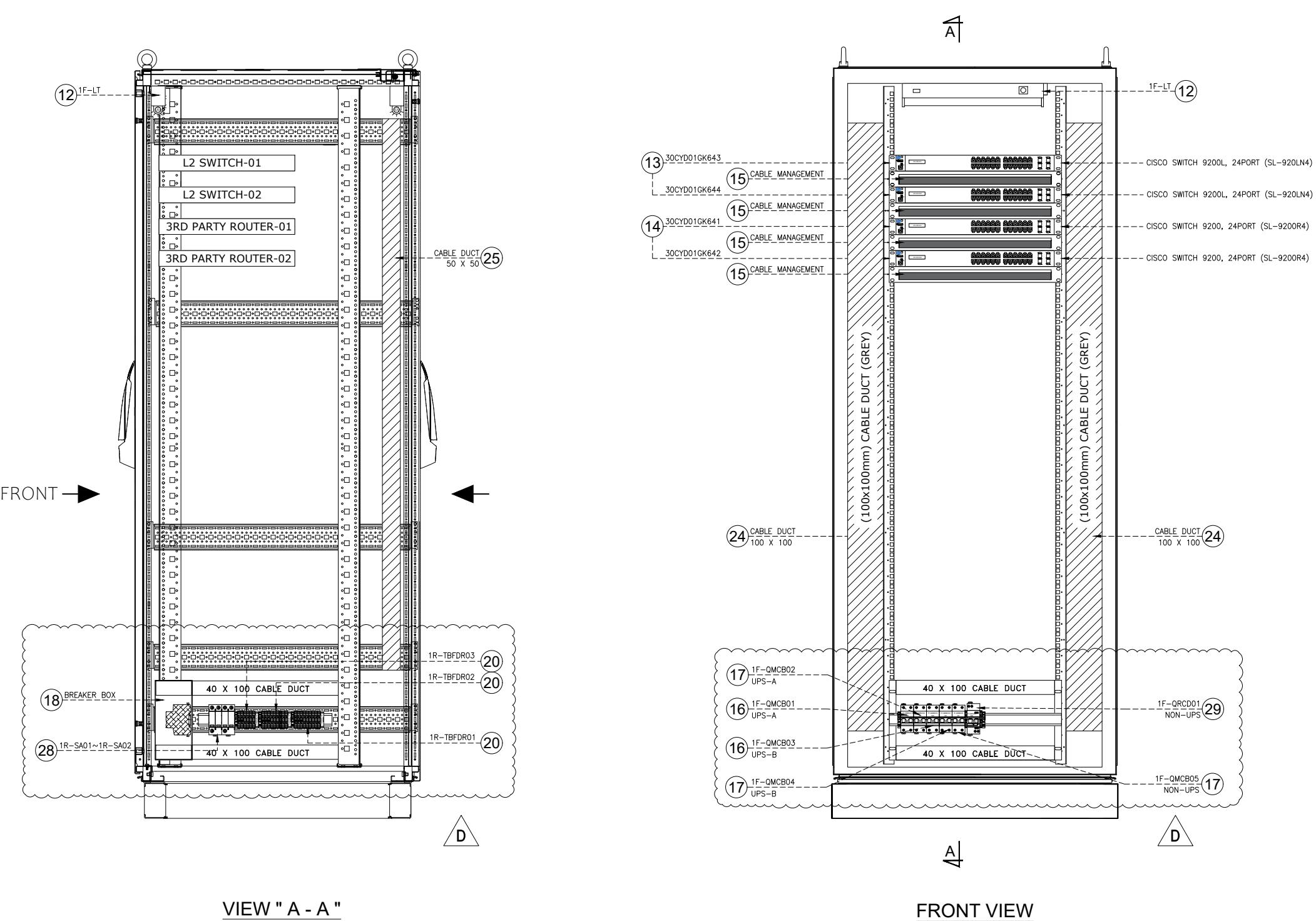
EPC CONSORTIUM:

**JEL** JURONG ENGINEERING LIMITED **EESB** EQUATOR ENGINEERING SDN BHD

SCALE AS SHOWN PROJECTION PROJECT:  
 130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")

TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM  
 30CYD10GH001 PLINTH DETAIL

VENDOR: **Honeywell** JOB NO: 20064 REV D SHT 30/45  
**HONEYWELL ENGINEERING SDN BHD**  
 PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005



			84	84	✓
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED

OWNER:  
**NUR power**  
 OWNER'S ENGINEER:  
**Jacobs** **REMACC**  
 NUR ENERGY SERVICES SDN BHD JACOB'S ENGINEERING GROUP SDN BHD TNB REPAIR AND MAINTENANCE SDN BHD

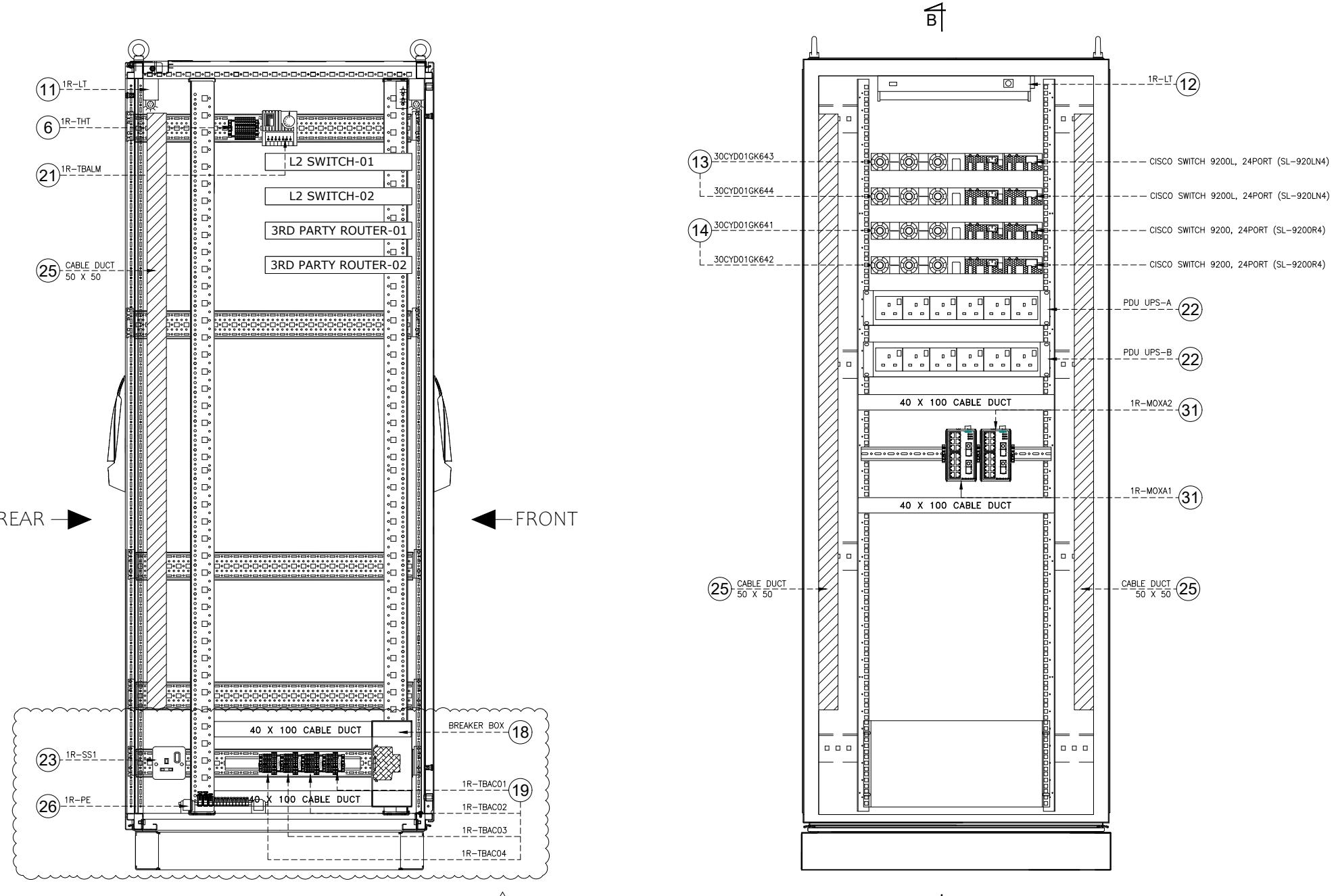
EPC CONSORTIUM:  
**JEL** JURONG ENGINEERING LIMITED **EESB** EQUATOR ENGINEERING SDN BHD

SCALE PROJECTION PROJECT:  
 AS SHOWN 130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")

TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM

30CYD10GH001 INTERNAL LAYOUT (FRONT) AND VIEW "A - A"

VENDOR: **Honeywell** JOB NO: 20064 REV D SHT 31/45  
 HONEYWELL ENGINEERING SDN BHD  
 PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005



VIEW " B - B "

FRONT VIEW

			84	84	Approved
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED

OWNER:  
 NUR power  
 OWNER'S ENGINEER:  
 Jacobs  
 REMACC  
 NUR ENERGY SERVICES SDN BHD  
 JACOB'S ENGINEERING GROUP SDN BHD  
 TNB REPAIR AND MAINTENANCE SDN BHD

EPC CONSORTIUM:  
 JURONG ENGINEERING LIMITED EQUATOR ENGINEERING SDN BHD

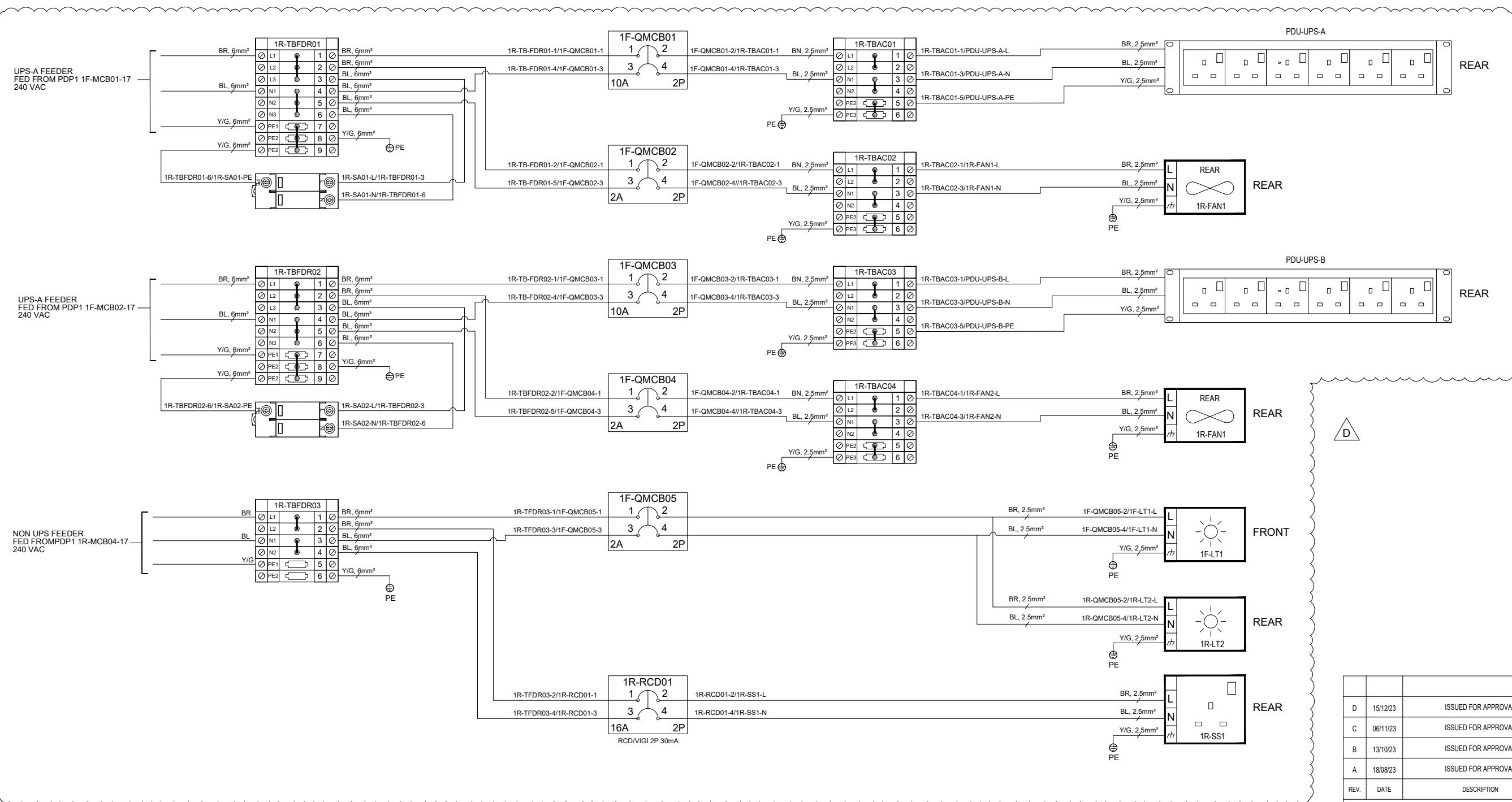
SCALE AS SHOWN PROJECTION PROJECT:  
 130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")

TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM

30CYD10GH001 INTERNAL LAYOUT (REAR) AND VIEW 'B - B'

VENDOR: Honeywell HONEYWELL ENGINEERING SDN BHD JOB NO: 20064 REV D SHT 32/45

PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005



NOTE:			
Colour	Abbreviation	Colour	Abbreviation
Black	BK	Blue	BU
Brown	BN	Violet	VT
Red	RD	Grey	GY
Orange	OG	White	WH
Yellow	YE	Pink	PK
Green	GN	Purple	PK
Yellow/Green	Y/G	Turquoise	TQ

			84	84	Approved
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED

OWNER:  
 NUR power

OWNER'S ENGINEER:  
 Jacobs

REMACC

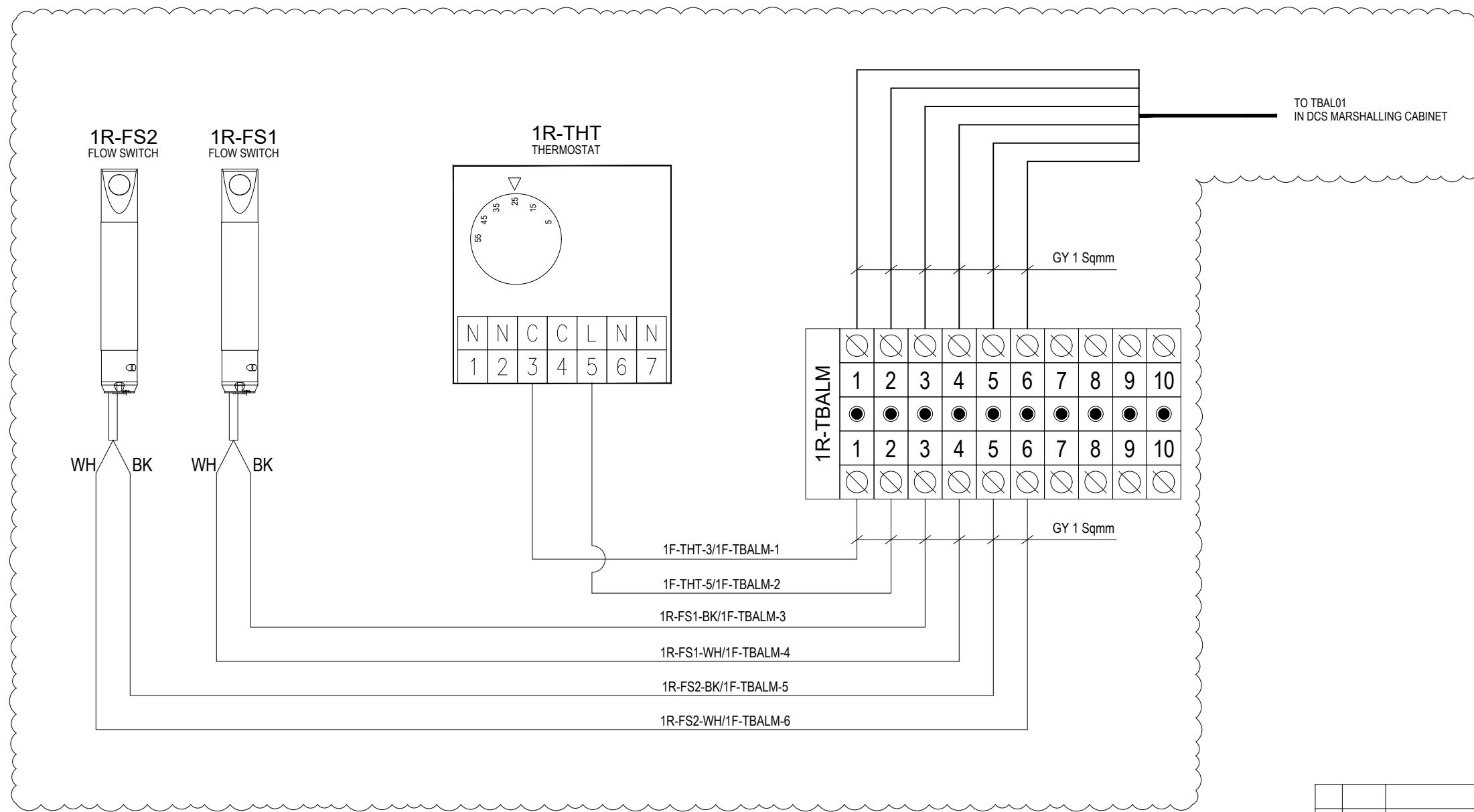
NUR ENERGY SERVICES SDN BHD

JACOBS ENGINEERING GROUP SDN BHD

TNB REPAIR AND MAINTENANCE SDN BHD

N. U. R. GENERATION SDN BHD

JEL	JURONG ENGINEERING LIMITED	EQUATOR ENGINEERING SDN BHD
SCALE AS SHOWN		PROJECT: 130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")
TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM 30CYD10GH001 AC POWER DISTRIBUTION 1		
VENDOR: Honeywell	JOB NO: 20064	REV D SHT 33/45
	PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005	



D

			84	84	✓
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED

OWNER:  
**NUR power**

**N.U.R. GENERATION SDN BHD**

OWNER'S ENGINEER:  
**Jacobs**  
NUR ENERGY SERVICES SDN BHD

**REMACC**  
JACOB'S ENGINEERING GROUP SDN BHD

**TNB REPAIR AND MAINTENANCE SDN BHD**

EPC CONSORTIUM:  
**JEL** JURONG ENGINEERING LIMITED **EESB** EQUATOR ENGINEERING SDN BHD

SCALE AS SHOWN PROJECTION PROJECT:  
130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")

TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM  
30CYD10GH001 CABINET ALARM

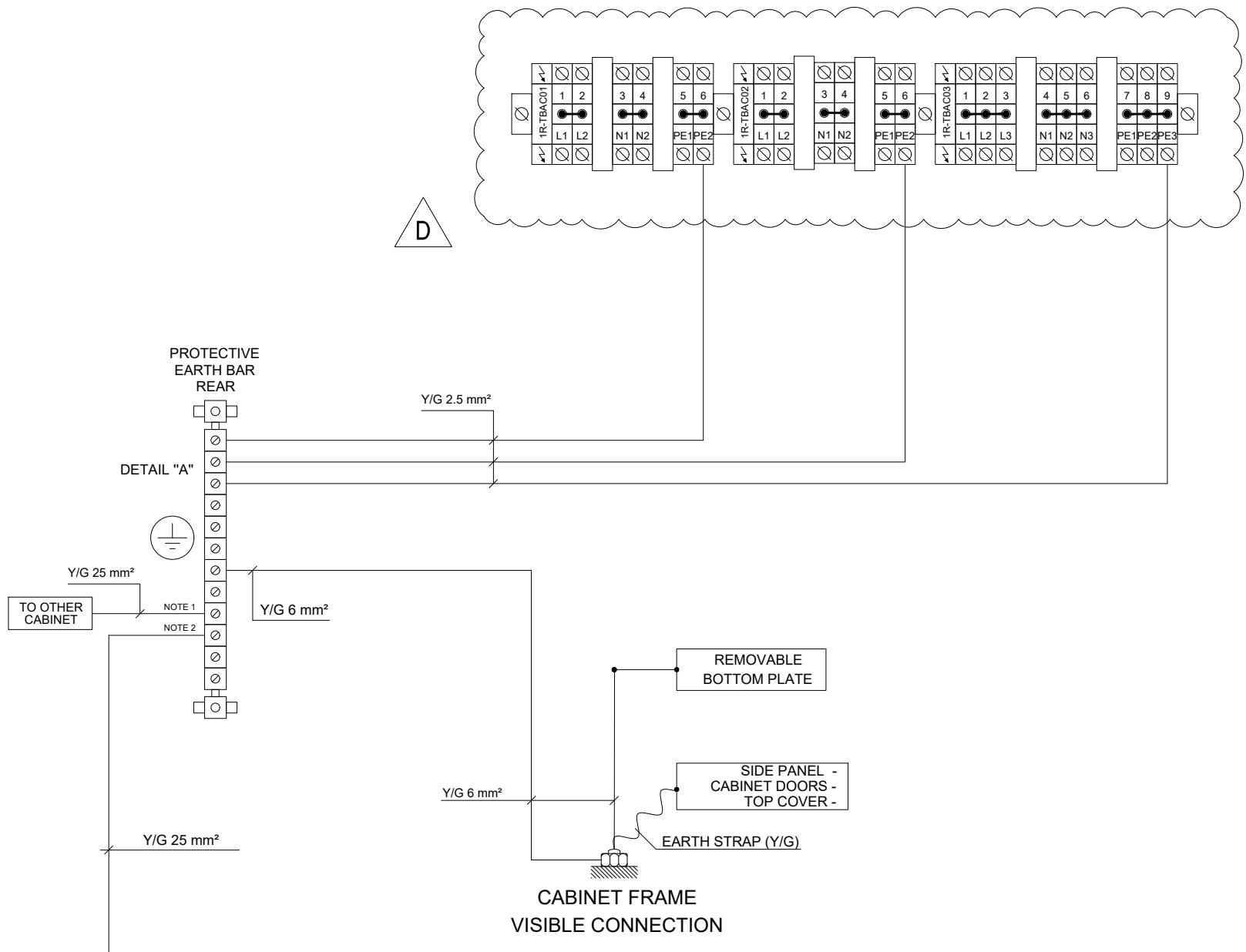
VENDOR: **Honeywell**  
HONEYWELL ENGINEERING SDN BHD

JOB NO: 20064 REV D SHT 34/45

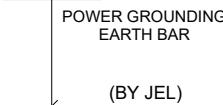
PROJECT DRAWING NO:  
MYP-000311-JEL-INC-GWD-0005

NOTE:  
 1. EARTHING CABLE TO NEXT CABINET FOR GROUNDING LOOP  
 2. EARTHING CABLE WILL BE APPLICABLE FOR END CABINET OF GROUNDING LOOP

### INSIDE CABINET



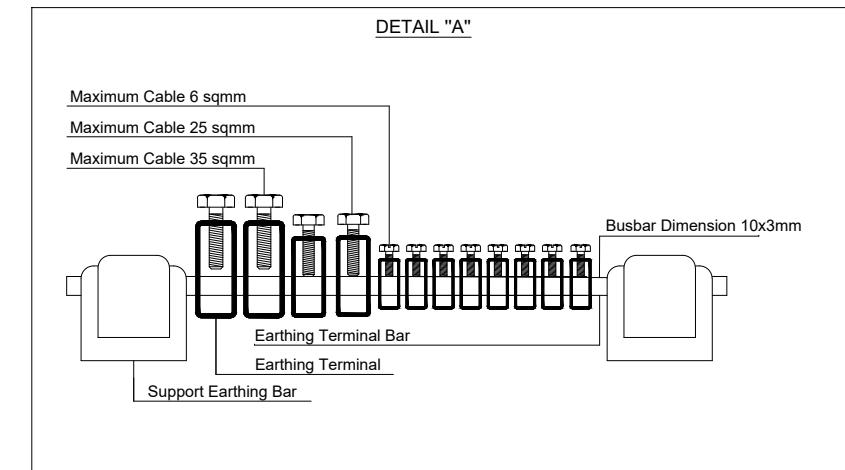
### GROUND BOX



### FIELD



NOTE:							
Colour	Abbreviation	Colour	Abbreviation				
Black	BK	Blue	BU				
Brown	BN	Violet	VT				
Red	RD	Grey	GY				
Orange	OG	White	WH				
Yellow	YE	Pink	PK				
Green	GN	Turquoise	TQ				
Yellow/Green	Y/G						



			84	84	A/C
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED
OWNER:					
	NUR power				
OWNER'S ENGINEER:		REMACC			
	NUR ENERGY SERVICES SDN BHD	JACOBS ENGINEERING GROUP SDN BHD	TNB REPAIR AND MAINTENANCE SDN BHD		
ECPC CONSORTIUM:					
	JURONG ENGINEERING LIMITED		EQUATOR ENGINEERING SDN BHD		
SCALE AS SHOWN	PROJECTION	PROJECT:	130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK ("PROJECT AURORA")		
TITLE:			NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM		
			30CYD10GH001 EARTHING CONNECTION		
VENDOR:	Honeywell	JOB NO:	20064	REV D	SHT 35/45
		PROJECT DRAWING NO:	MYP-000311-JEL-INC-GWD-0005		

N. U. R. GENERATION SDN BHD

Jacobs

REMACC

NUR ENERGY SERVICES SDN BHD

JACOBS ENGINEERING GROUP SDN BHD

TNB REPAIR AND MAINTENANCE SDN BHD

JEL JURONG ENGINEERING LIMITED EESB EQUATOR ENGINEERING SDN BHD

SCALE AS SHOWN PROJECTION PROJECT: 130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK ("PROJECT AURORA")

TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM

30CYD10GH001 EARTHING CONNECTION

VENDOR: Honeywell JOB NO: 20064 REV D SHT 35/45

PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005

NO.	ENGRAVED LETTER	COLOUR	FIG NO.	
			QTY.	
NP1	30CYD10GH001		1	
	DCS NETWORK CABINET - 01		1	
NP2	30CYD10GH001		1	
	DCS NETWORK CABINET - 01		1	

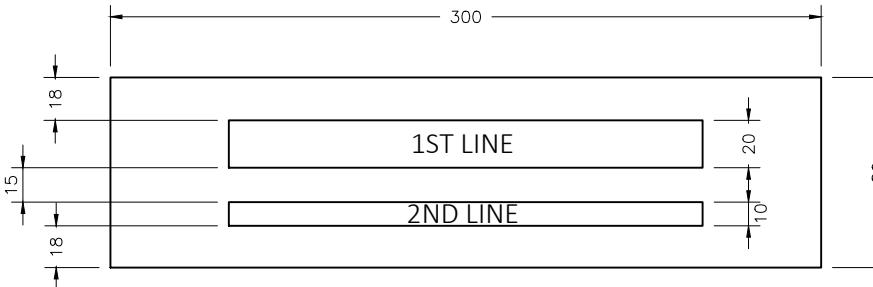


FIGURE 1 (NP1 & NP2)

NAME PLATE SPECIFICATION:

1. MATERIAL:  
TRAFFOLYTE, WHITE BACKGROUND WITH BLACK LETTER.
2. ENGRAVING SIDE:  
UNLESS OTHERWISE STATED, LETTERS/CHARACTERS USED SHALL BE ENGRAVED ON THE FRONT SIDE.
3. MOUNTING:  
DOUBLE-SIDED ADHESIVES IS USED TO MOUNT THE CABINET NAME PLATE.
4. CHARACTER/FONT TYPE:  
UNLESS OTHERWISE STATED, ARIAL UNICODE TYPE OF FONT TO BE USED.
5. CHARACTER SPACING:  
HEIGHT(H) AND PITCH OF LETTERING SHALL BE IN ACCORDANCE WITH THE FOLLOWING REQUIREMENT.

TYPE	PITCH
ALPHABET	0.85H
NUMERAL	0.85H

6. ENGRAVING POSITION:  
LETTERS/CHARACTERS SHALL BE CENTERED ACROSS EACH RESPECTIVE ROW.

			84	84	✓
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
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B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED
OWNER:  <b>N. U. R. GENERATION SDN BHD</b>					
OWNER'S ENGINEER:  <b>Jacobs</b>  <b>REMACO</b>  <b>TNB REPAIR AND MAINTENANCE SDN BHD</b>					
EPC CONSORTIUM:  <b>JURONG ENGINEERING LIMITED</b>  <b>EQUATOR ENGINEERING SDN BHD</b>					
SCALE AS SHOWN	PROJECTION	PROJECT:	130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")		
TITLE: <b>NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING &amp; WIRING DIAGRAM</b>					
30CYD10GH001 NAMEPLATE DETAIL					
VENDOR:  <b>Honeywell</b>	JOB NO:	REV:	SHT:		
HONEYWELL ENGINEERING SDN BHD					
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005					

ITEM	MODEL	DESCRIPTION	MAKE	QTY	REMARKS
01	8808.500	RITTAL TS8, RAL 7035, 2000H x 600W x 800D	RITTAL	1	
02	8601.800	FRONT & REAR BASE PLINTH 100mm, RAL7022	RITTAL	1	
03	8601.080	TRIM SIDE BASE PLINTH 100mm, RAL7022	RITTAL	1	
04	8612.180	PUNCHED SECTION WITH MOUNTING FLANGE, OUTER MOUNTING LEVEL	RITTAL	8	
05	51197165-100	KEYLOCK, INSERTS TS8 CAB, RAL 7035	RITTAL	2	
06	MU-C8TRM1	THERMOSTAT, TS8 RITTAL	RITTAL	1	2R-THT
07	MU-C8DSS1	RITTAL TS8 DUAL ACCESS CABINET SIDESKIN	RITTAL	2	
08	SK 3241.100	FAN AND FILTER UNIT	RITTAL	2	2F-FAN & 2R-FAN
09	-	CABINET NAMEPLATE	LOCAL	2	
10	SK 3240.200	OUTLET FILTER	RITTAL	1	
11	SKU 3A0983166	LED SYSTEM LIGHT 100V-240V,7W WITH DOOR SWITCH	PHILLIPS	2	2F-LT & 2R-LT
12	FG-101F	FORTIGATE FIREWALL	FORTIGATE	2	FIREWALL-01, FIREWALL-02
13	SI-920LN4	SWITCH CISCO 9200L NON ROUTE, 24PORT	CISCO	4	L2SW-01, L2SW-02, L2.5SW-01, L2.5SW-02
14	SI-9200R4	SWITCH, CISCO 9200 ROUTE, 24PORT	CISCO	4	L3SW-01, L3SW-02, L3.5SW-01, L3.5SW-02
15	-	CABLE MANAGEMENT	-	11	
16	iC60N	MCB 2P, 10A	SCHNEIDER	2	2F-QMBC01, 2F-QMBC03,
17	iC60N	MCB 2P, 2A	SCHNEIDER	3	2F-QMBC02, 2F-QMBC04, 2F-QMBC05,
18	BREAKER BOX	-	LOCAL	1	-
19	UT4-MT, UT4, UT4-PE	TERMINAL BLOCK FOR AC DISTRIBUTION	PHEONIX CONTACT	10, 10, 10	2R-TBAC01, 2R-TBAC02, 2R-TBAC03, 2R-TBAC04
20	UT6, UT6-PE	TERMINAL BLOCK FOR INCOMING FEEDER	PHEONIX CONTACT	16, 8	2R-TBFDR01, 2R-TBFDR02, 2R-TBFDR03
21	UT2.5-MT	TERMINAL BLOCK FOR ALARM	PHEONIX CONTACT	10	2R-TBALM
22	PDU	6 GANG POWER SOCKET FOR SERVER	LOCAL	2	PDU-UPS-A, PDU-UPS-B
23	3 PIN SOCKET	SERVICE SOCKET	LOCAL	1	2R-SS1
24	-	CABLE DUCT 50 x 50	-	1 LOT	
25	SSCH10x3+SH1+ZB4/ZB16/ZB35	PROTECTIVE EARTH BAR	LOCAL	1 LOT	2R-PE
28	A9L20500	MODULAR SURGE ARRESTOR 1P+N, 350V	SCHNEIDER	2	2R-SA01, 1R-SA02,
29	A9D37616	RESIDUAL CURRENT DEVICE 16A (RCBO)	SCHNEIDER	1	2F-QRCD01
30	TBA	FAN SENSOR	TBA	2	2R-FS1, 2R-FS2

			84	84	Approved
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B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED

OWNER :  **N. U. R. GENERATION SDN BHD**

OWNER'S ENGINEER :  **Jacobs**  **REMACO**  
NUR ENERGY SERVICES SDN BHD JACOB'S ENGINEERING GROUP SDN BHD TNB REPAIR AND MAINTENANCE SDN BHD

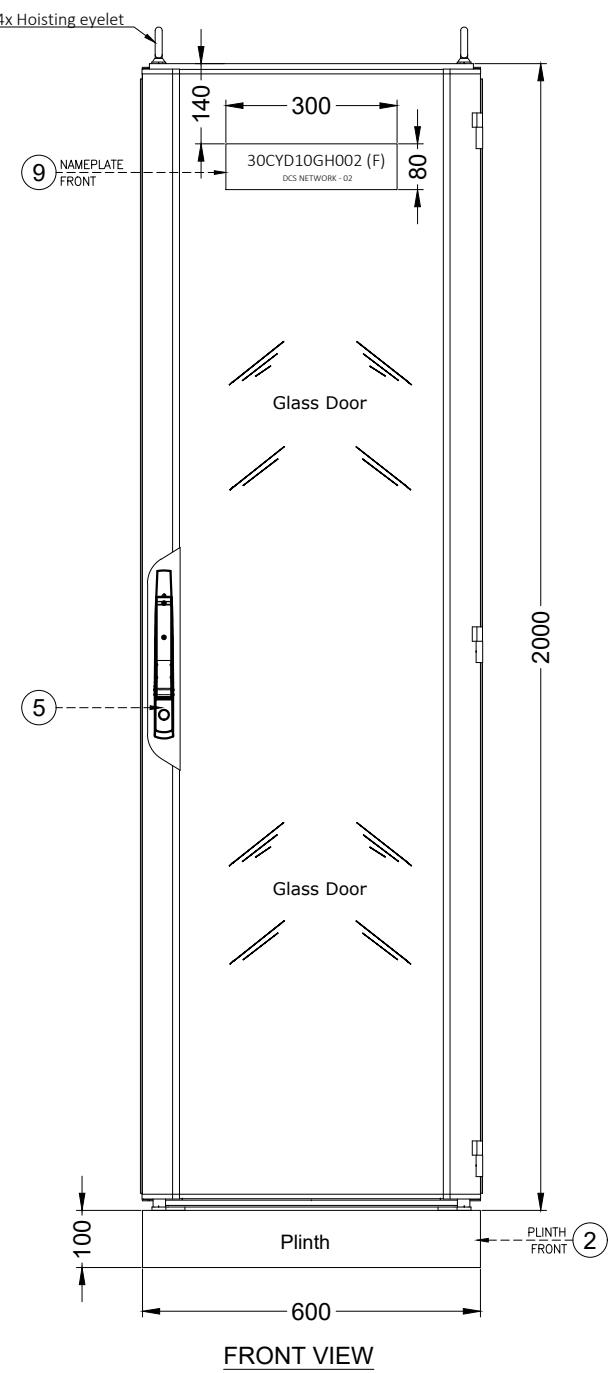
EPC CONSORTIUM :

 **JURONG ENGINEERING LIMITED**  **EQUATOR ENGINEERING SDN BHD**

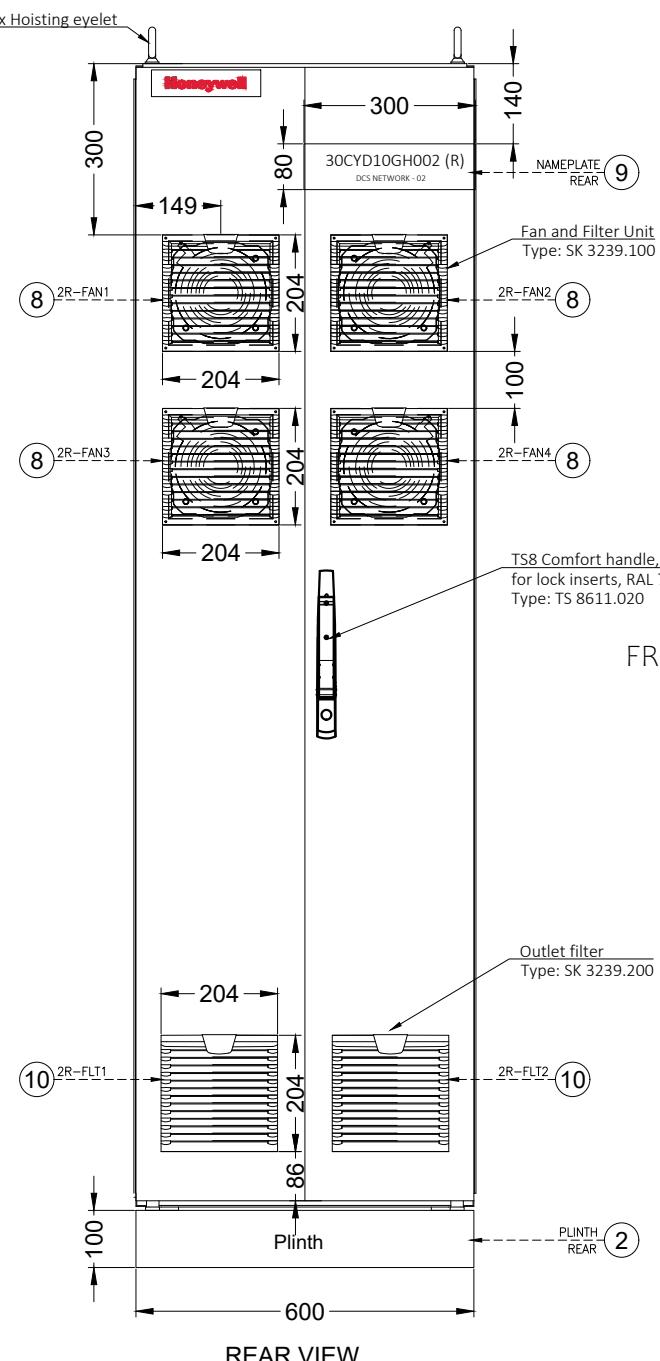
SCALE AS SHOWN PROJECTION PROJECT : **130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")**

TITLE : **NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM  
30CYD10GH002 MATERIALS LIST**

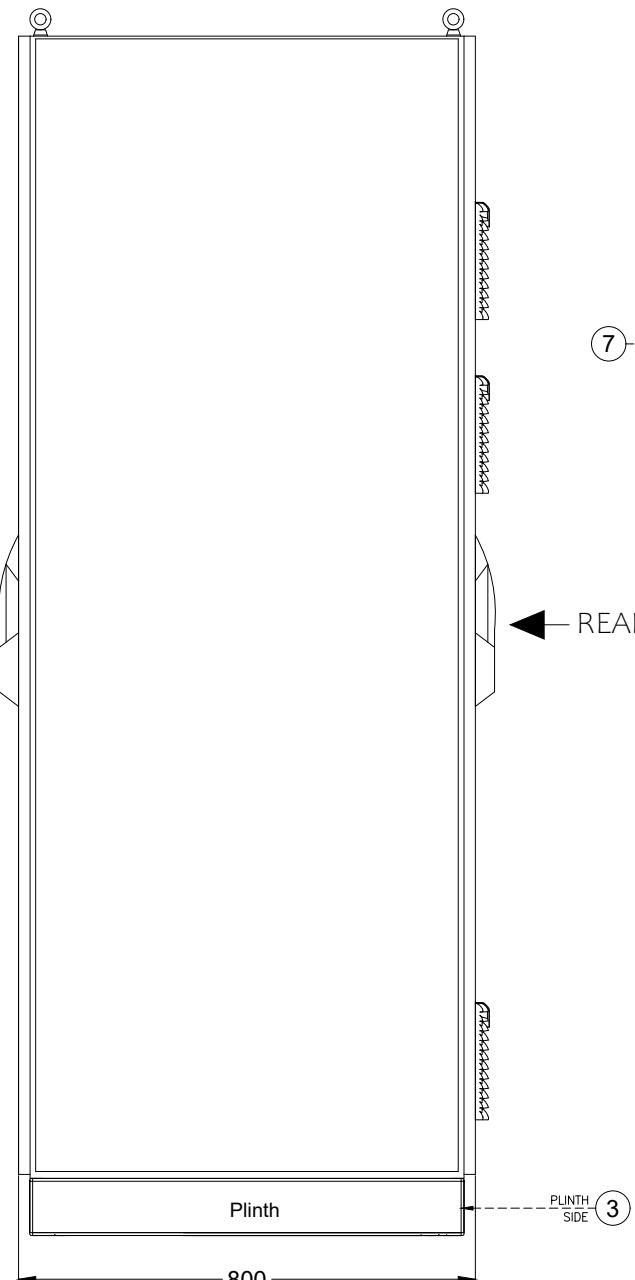
VENDOR :  <b>Honeywell</b> HONEYWELL ENGINEERING SDN BHD	JOB NO: 20064	REV: D	SHT: 37/45
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005			



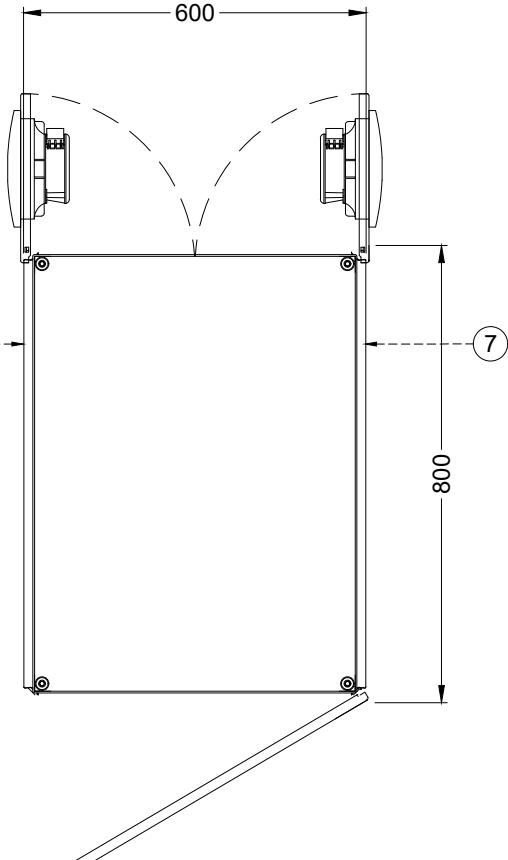
**FRONT VIEW**



**REAR VIEW**



**SIDE VIEW**



**TOP VIEW**

**Cabinet Details:**

- Cabinet reference front: 1F
- Cabinet reference rear: 1R

- Make: Rittal  
 - Model: TS8808  
 - Surface finish: RAL7035  
 - Side plate(s): TS8108  
 - Plinth finish: RAL7022  
 - Cable entry: Bottom  
 - IP Rating: IP 54

			84	84	Approved
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED

OWNER: **N.U.R. GENERATION SDN BHD**

OWNER'S ENGINEER: **Jacobs** **REMACC**  
**NUR power** **JACOBS ENGINEERING GROUP SDN BHD** **TNB REPAIR AND MAINTENANCE SDN BHD**

ECPC CONSORTIUM: **JEL** JURONG ENGINEERING LIMITED **EESB** EQUATOR ENGINEERING SDN BHD

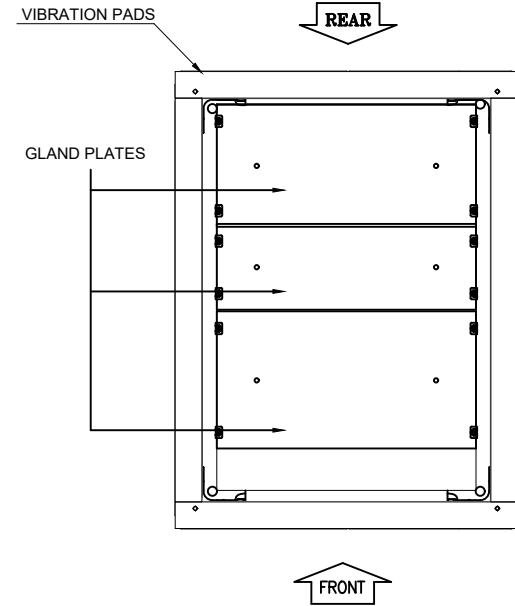
SCALE AS SHOWN PROJECTION PROJECT:  
 130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")

TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM  
 30CYD10GH002 CABINET APPEARANCE

VENDOR: **Honeywell** JOB NO: 20064 REV D SHT 38/45  
 HONEYWELL ENGINEERING SDN BHD  
 PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005

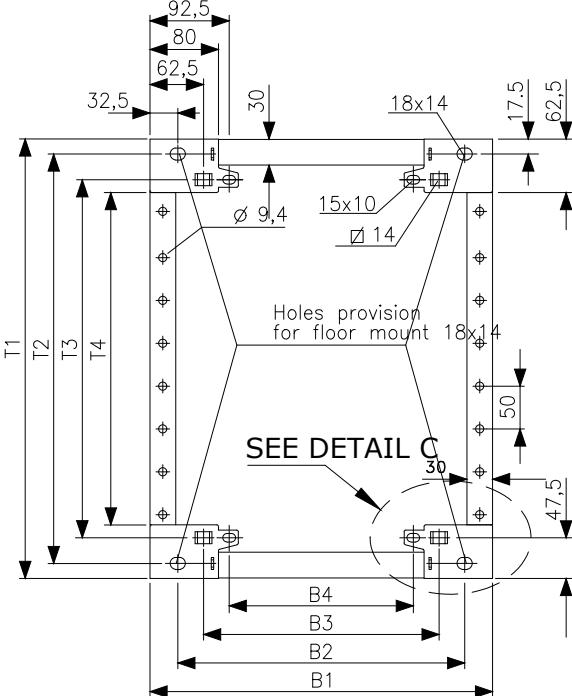
## PLINTH FIXING HOLE LAYOUT

All dimensions in mm (inches)

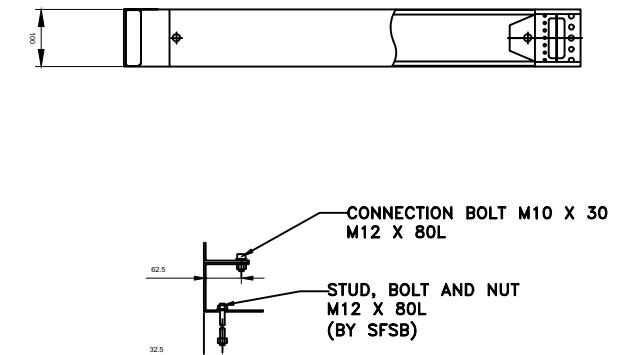


GLAND PLATES (SECTION VIEW)

TOP VIEW



SIDE VIEW



Description of the hole patterns

B1/T1 = External dimension

B2/T2 = For screw-fixing in the thread of the enclosure corner piece from below

B3/T3 = For screw-fixing with captive nuts to the enclosure base from below or above

All holes (B2 - B4 / T2 - T4) may be used for screw-fixing to the base.

Plinth for TS8 cabinets

Base/plinth components front/rear					Base/plinth trim, side				
Width	B1	B2	B3	B4	Depth	T1	T2	T3	T4
600 (23.6)	600 (23.6)	503 (19.8)	413 (16.2)	323 (12.7)	800 (31.5)	769 (38.1)	735 (36.8)	675 (34.4)	644 (33.2)

D	15/12/23	ISSUED FOR APPROVAL	SS	AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED CHECKED APPROVED

OWNER: **N. U. R. GENERATION SDN BHD**

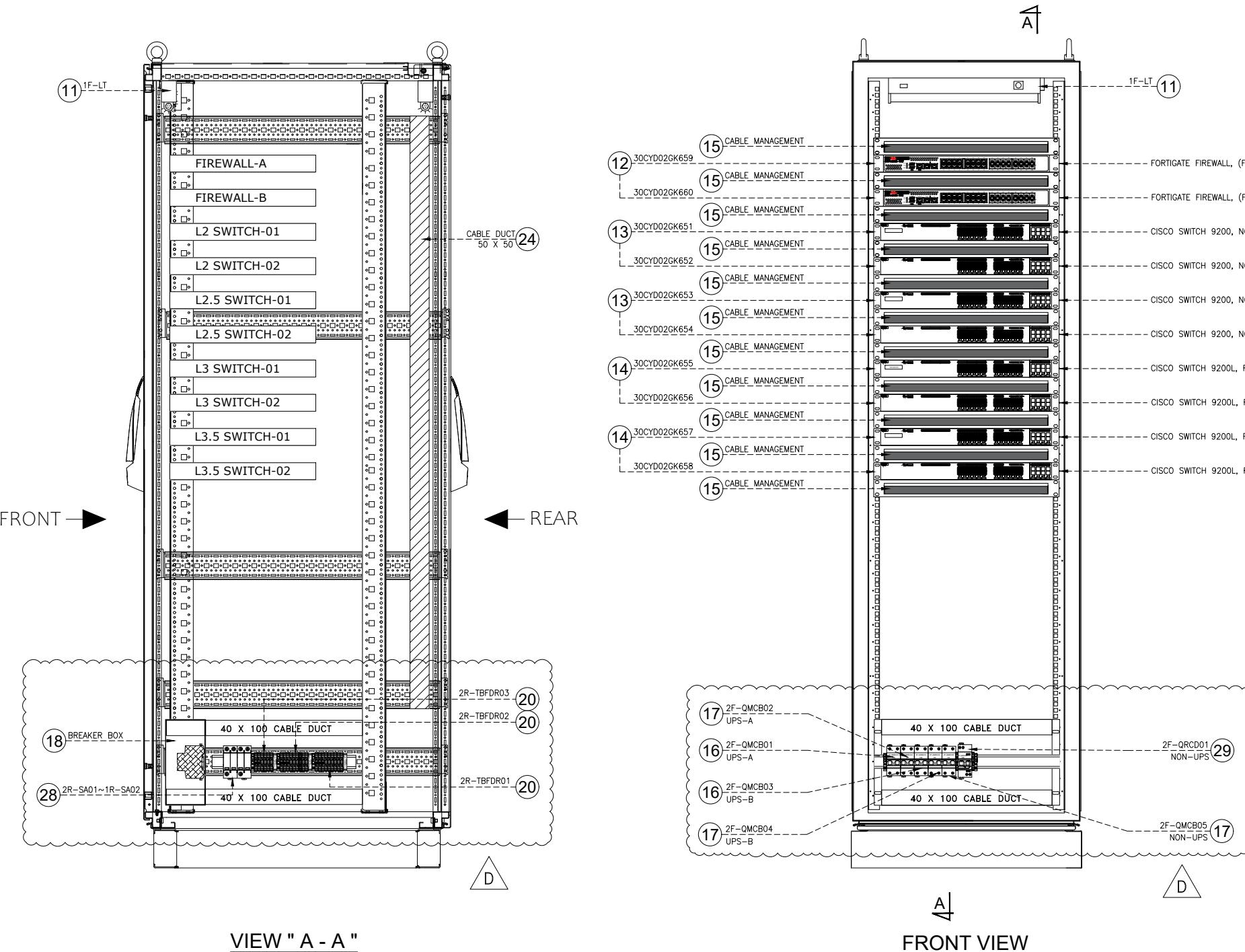
OWNER'S ENGINEER: **Jacobs** **REMACC**  
NUR ENERGY SERVICES SDN BHD JACOBS ENGINEERING GROUP SDN BHD TNB REPAIR AND MAINTENANCE SDN BHD

EPC CONSORTIUM: **JURONG ENGINEERING LIMITED** **EQUATOR ENGINEERING SDN BHD**

SCALE AS SHOWN PROJECTION PROJECT: 130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")

TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM 30CYD10GH002 PLINTH DETAIL

VENDOR: <b>Honeywell</b> HONEYWELL ENGINEERING SDN BHD	JOB NO: 20064	REV D	SHT 39/45
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005			



			84	84	AMR	KAS
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR	KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR	KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR	KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR	KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED

OWNER : **NUR**  
power

**N.U.R. GENERATION SDN BHD**

OWNER'S ENGINEER : **Jacobs** **REMACC**  
NUR ENERGY SERVICES SDN BHD JACOBS ENGINEERING GROUP SDN BHD TNB REPAIR AND MAINTENANCE SDN BHD

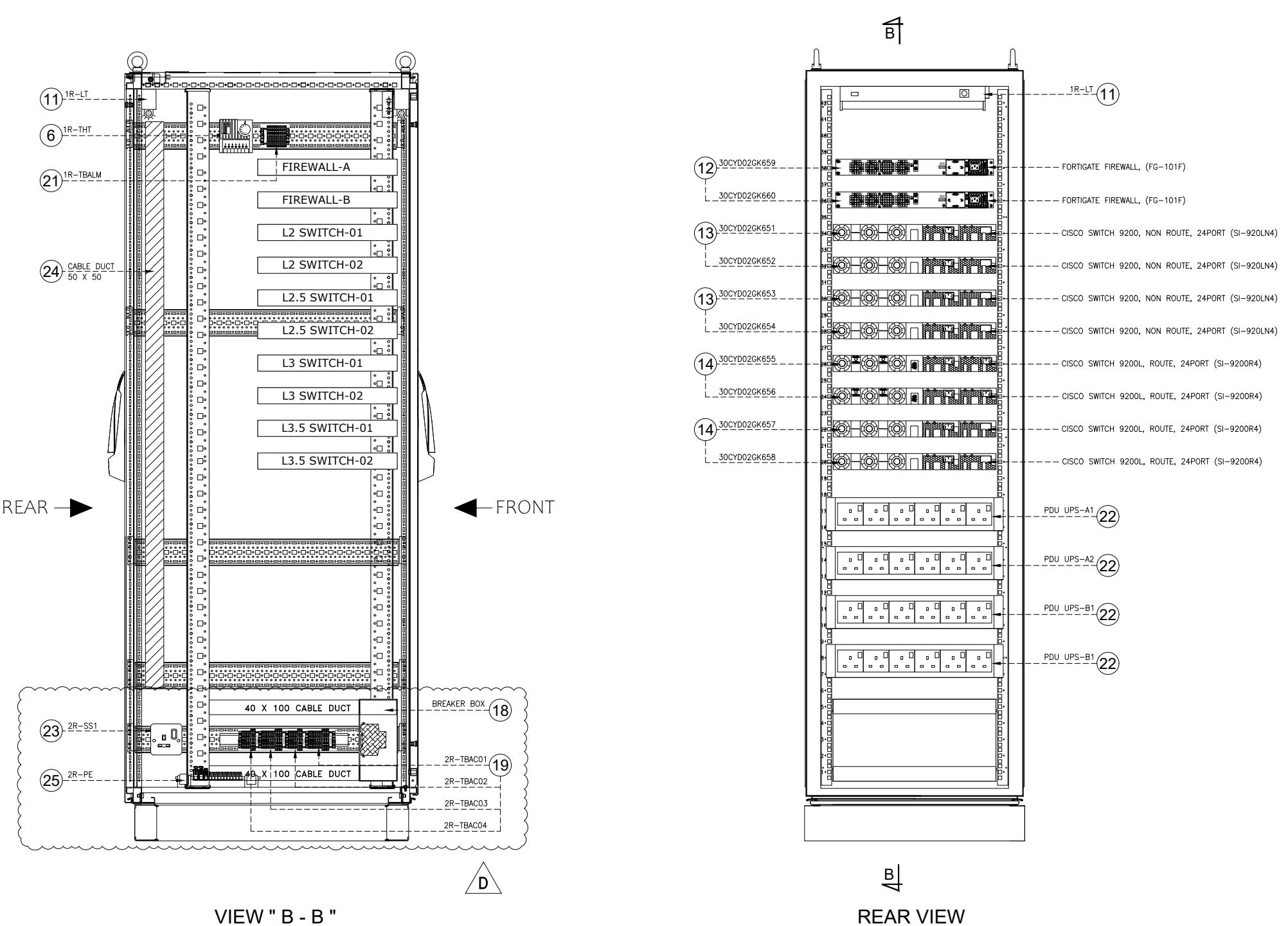
EPC CONSORTIUM :

**JEL** JURONG ENGINEERING LIMITED **EESB** EQUATOR ENGINEERING SDN BHD

SCALE AS SHOWN PROJECTION PROJECT : 130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")

TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM  
30CYD10GH002 INTERNAL LAYOUT (FRONT) AND VIEW "A-A"

VENDOR : <b>Honeywell</b> HONEYWELL ENGINEERING SDN BHD	JOB NO: 20064	REV D	SHT 40/45
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005			



REAR VIEW

			84	84	Approved
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED

OWNER:  
 NUR power

N. U. R. GENERATION SDN BHD

OWNER'S ENGINEER:  
 Jacobs

JACOBS

REMACC

NUR ENERGY SERVICES SDN BHD

JACOBS ENGINEERING GROUP SDN BHD

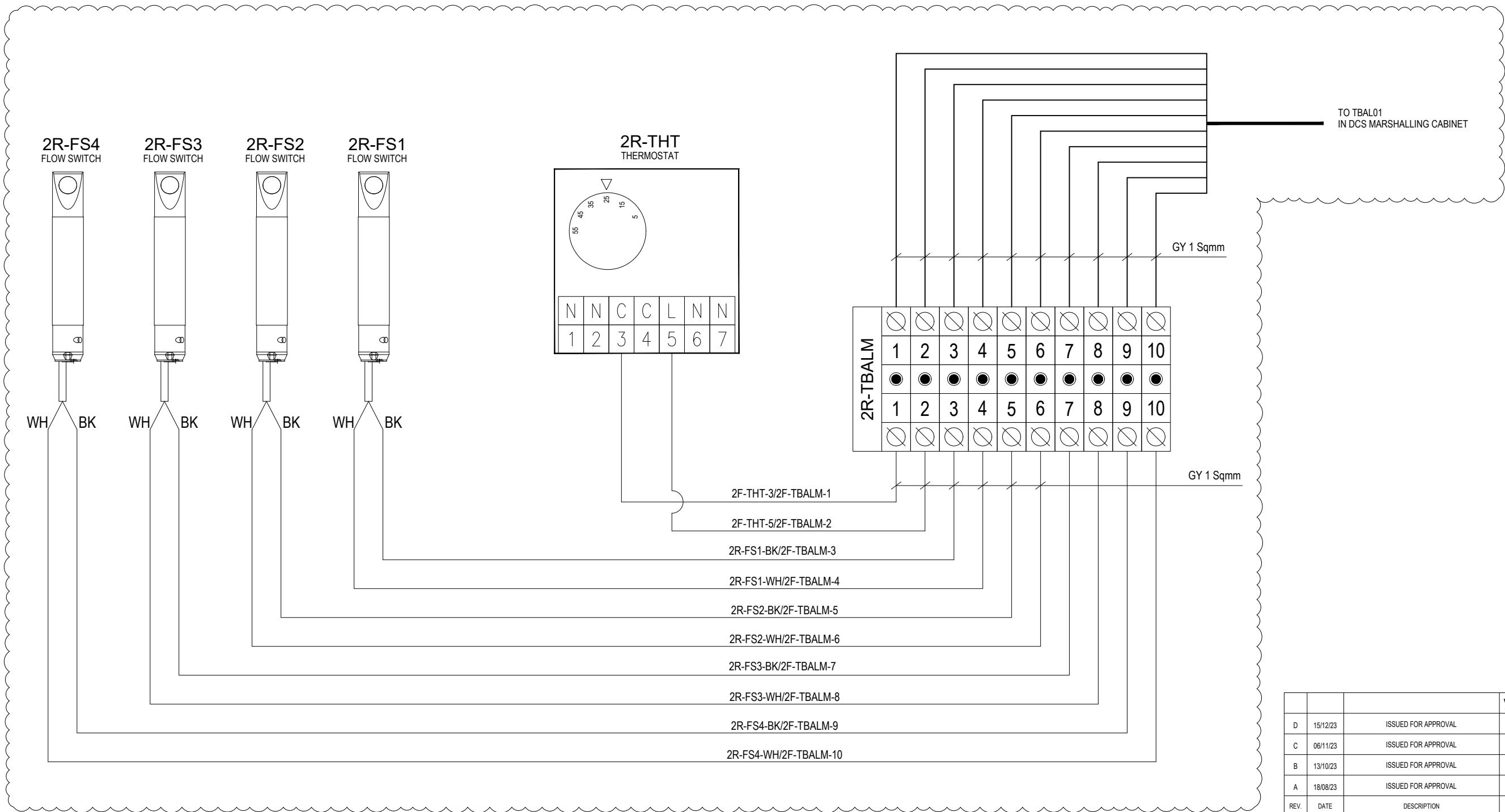
TNB REPAIR AND MAINTENANCE SDN BHD

EPC CONSORTIUM:  
 JURONG ENGINEERING LIMITED
 EQUATOR ENGINEERING SDN BHD

SCALE AS SHOWN PROJECTION PROJECT: 130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")  
 TITLE: NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM  
 30CYD10GH002 INTERNAL LAYOUT (REAR) AND VIEW "B-B"

VENDOR: Honeywell HONEYWELL ENGINEERING SDN BHD JOB NO: 20064 REV D SHT 4/145  
 PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005





			<i>84</i>	<i>84</i>	<i>84</i>
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED

OWNER : **N. U. R. GENERATION SDN BHD**

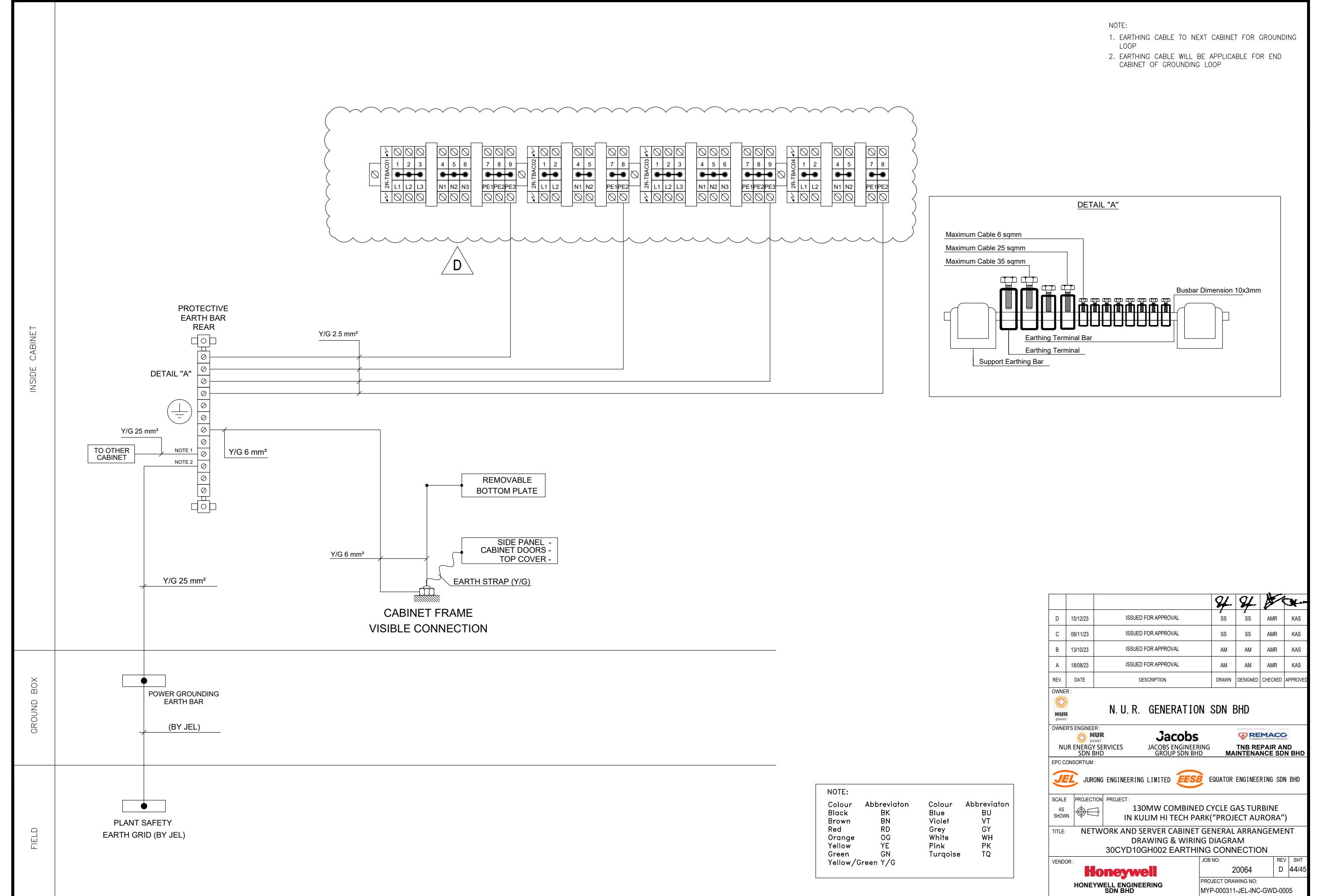
OWNER'S ENGINEER : **Jacobs** **REMACC**  
**NUR power** **JACOBS ENGINEERING GROUP SDN BHD** **TNB REPAIR AND MAINTENANCE SDN BHD**

EPC CONSORTIUM : **JEL** **JURONG ENGINEERING LIMITED** **EESB** **EQUATOR ENGINEERING SDN BHD**

SCALE AS SHOWN PROJECTION PROJECT : **130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")**  
TITLE : **NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING & WIRING DIAGRAM**  
**30CYD10GH002 CABINET ALARM**

VENDOR : **Honeywell** JOB NO: **20064** REV: **D** SHT: **43/45**  
**HONEYWELL ENGINEERING SDN BHD**  
PROJECT DRAWING NO: **MYP-000311-JEL-INC-GWD-0005**

NOTE:  
 1. EARTHING CABLE TO NEXT CABINET FOR GROUNDING LOOP  
 2. EARTHING CABLE WILL BE APPLICABLE FOR END CABINET OF GROUNDING LOOP



NO.	ENGRAVED LETTER	COLOUR	FIG NO.	
			QTY.	
NP1	30CYD10GH002		1	
	DCS NETWORK CABINET - 02		1	
NP2	30CYD10GH002		1	
	DCS NETWORK CABINET - 02		1	

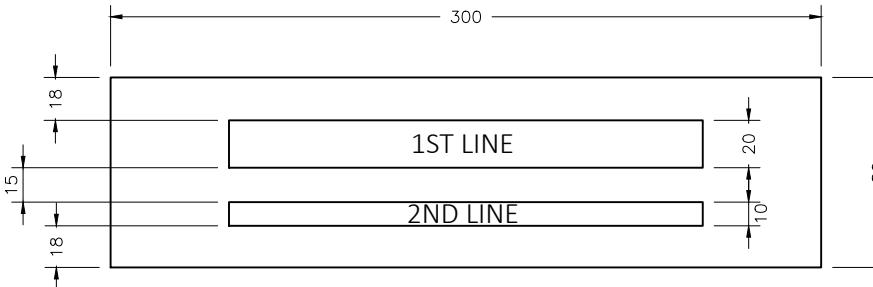


FIGURE 1 (NP1 & NP2)

NAME PLATE SPECIFICATION:

- MATERIAL:**  
TRAFFOLYTE, WHITE BACKGROUND WITH BLACK LETTER.
- ENGRAVING SIDE:**  
UNLESS OTHERWISE STATED, LETTERS/CHARACTERS USED SHALL BE ENGRAVED ON THE FRONT SIDE.
- MOUNTING:**  
DOUBLE-SIDED ADHESIVES IS USED TO MOUNT THE CABINET NAME PLATE.
- CHARACTER/FONT TYPE:**  
UNLESS OTHERWISE STATED, ARIAL UNICODE TYPE OF FONT TO BE USED.
- CHARACTER SPACING:**  
HEIGHT(H) AND PITCH OF LETTERING SHALL BE IN ACCORDANCE WITH THE FOLLOWING REQUIREMENT.

TYPE	PITCH
ALPHABET	0.85H
NUMERAL	0.85H

- ENGRAVING POSITION:**  
LETTERS/CHARACTERS SHALL BE CENTERED ACROSS EACH RESPECTIVE ROW.

			84	84	REMACO
D	15/12/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
C	06/11/23	ISSUED FOR APPROVAL	SS	SS	AMR KAS
B	13/10/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
A	18/08/23	ISSUED FOR APPROVAL	AM	AM	AMR KAS
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED APPROVED
OWNER:  <b>N. U. R. GENERATION SDN BHD</b>					
OWNER'S ENGINEER:  <b>Jacobs</b>  <b>REMACO</b>  <b>TNB REPAIR AND MAINTENANCE SDN BHD</b>					
EPC CONSORTIUM:  <b>JURONG ENGINEERING LIMITED</b>  <b>EQUATOR ENGINEERING SDN BHD</b>					
SCALE AS SHOWN	PROJECTION	PROJECT:	130MW COMBINED CYCLE GAS TURBINE IN KULIM HI TECH PARK("PROJECT AURORA")		
TITLE: <b>NETWORK AND SERVER CABINET GENERAL ARRANGEMENT DRAWING &amp; WIRING DIAGRAM</b>					
30CYD10GH002 NAMEPLATE DETAIL					
VENDOR:  <b>Honeywell</b>  <b>HONEYWELL ENGINEERING SDN BHD</b>	JOB NO: 20064	REV D	SHT 45/45		
PROJECT DRAWING NO: MYP-000311-JEL-INC-GWD-0005					