

for

Purchaser Energy Fiji Limited

User 33kV Hibiscus Park Substation

Plant 8DA/B

Plant section 8DA/B SWITCHGEAR 36.0 kV
GENERAL DOCUMENTS

Typical =HZ00

Project reference number 4513819476

Date of issue 28.04.26

Customer document number A3-42-E13-100

Documentation identifier A / =H00 +H00 / / 1

Manufacturer document number (3) W92210-P631658-S1-0

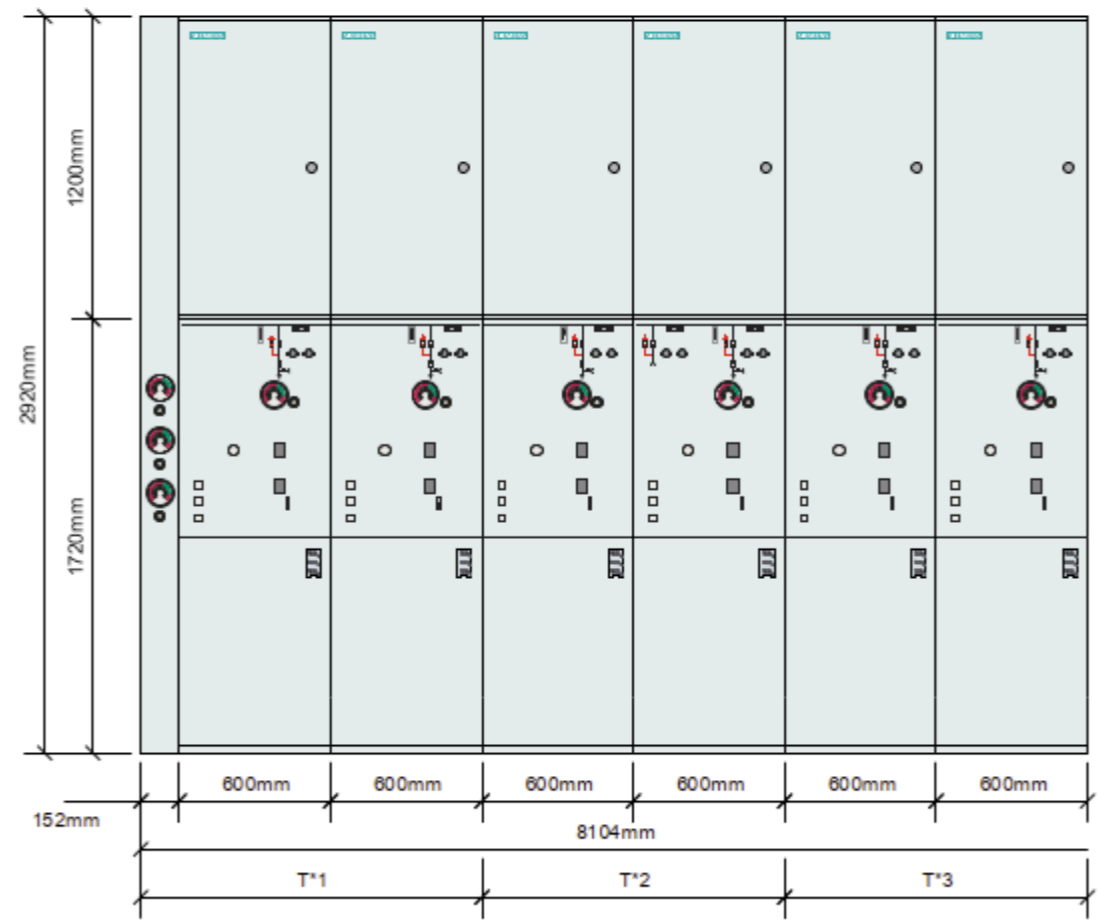
Revision	Modification	Date	Name
0	For Review	28.04.26	UM.

ELCAD-Version 2022 SP2
 Last used: 20.04.26
 FBSTP2
 Archive: =H00/D/D/1/1
 Project: C:/RUNNING PROJECTS/HIBISCUS & MARO ZONE SUBSTATION/631658-00010_HIBISCUS.PRO
 Translate file A: A_COC_EN
 Translate file B: empty
 Translate file C: C_FB_EN.srt, 04-11-24
 Translate file D: empty
 Symbol library 1: PTD_M2_Coc_E
 Symbol library 2: PTD60617
 Symbol library 3:
 Symbol library 4:

Copy/Right (C) Siemens AG 2026 All Rights Reserved

FRONT VIEW

=H01 =H02 =H03 =H04 =H05 =H06
 +H01 +H02 +H03 +H04 +H05 +H06
 =HZ01a =HZ01 =HZ01 =HZ02 =HZ01b =HZ03



LOAD DATA AND MINIMUM DISTANCES	
1.) PERMANENT LOADS	
Fv VERTICAL SINGLE LOAD	8.7 kN
2.) NON-PERMANENT LOADS	
pa LIVELOAD	11.1 kN/m²
3.) MINIMUM DISTANCES	
OPERATING AISLE	≥ 800 mm *)
MINIMUM WALL CLEARANCE LEFT OR RIGHT	≥ 500 mm
WALL CLEARANCE LEFT OR RIGHT	≥ 100 mm
WALL CLEARANCE REAR	
FREE-STANDING ARRANGEMENT	≥ 800 mm
WALL-STANDING ARRANGEMENT	≥ 100 mm
HEIGH OF CEILING	≥ 3120 mm

THE LOCATION AND DETAIL DIAGRAMS
 DO HAVE SYMBOLIC CHARACTER AND
 DO NOT SHOW THE ACTUAL SCOPE OF
 SUPPLY.

System/rated frequency Operating voltage Rated voltage Rated short-time withst. curr. Rated normal current
 3~50 Hz 33.0 kV 36.0 kV 31.5 kA(3 s) 2000 A

Date	07.08.2025	Energy Fiji Limited		SIEMENS	8DA/B SWITCHGEAR 36.0 kV GENERAL DOCUMENTS FRONT VIEW Arrangement drawing	A3-42-E13-103 4513819476	=HZ00	D	=H00 +H00	D1
Drawn	M. Usman	33kV Hibiscus Park Substation								
0	For Review	28.04.26	UM.	Appr.	Taha Ansari.	609516-000010	(3) W92210-P631658-S4-0		Sheet 1+	
Revision	Modification	Date	Name	Norm	Orig./Prep.for/Prep.by			4 Sh.		

ELCAD-Version 2022 SP2
 Last used: 20.04.26
 FBSTP2
 Archive: =H00/D/D/2

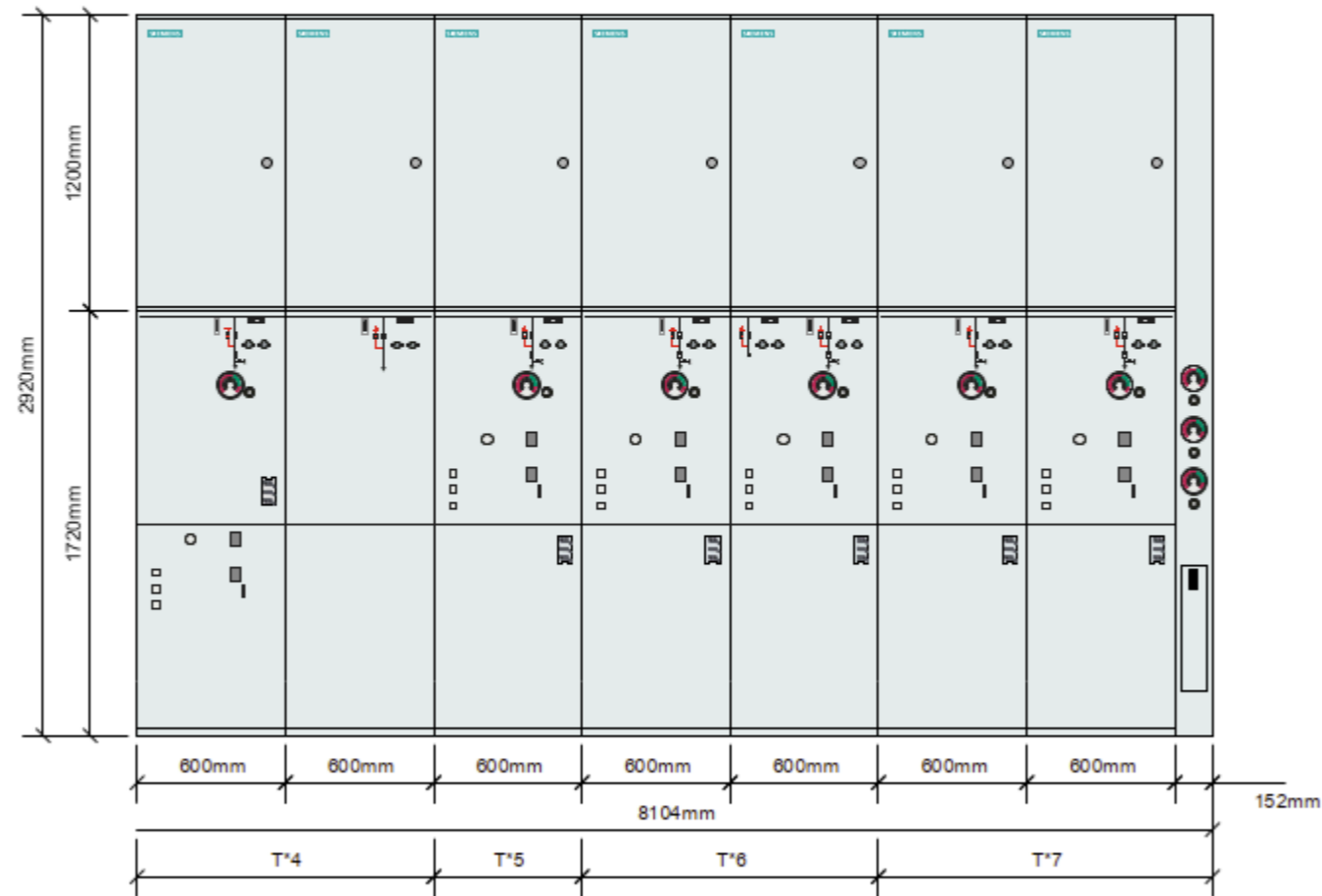
Project: C:/RUNNING PROJECTS/HIBISCUS & MARO ZONE SUBSTATION/631658-00010_HIBISCUS.PRO
 Translate file A: A_COC_EN
 Translate file B: empty
 Translate file C: C_FB_EN.sfr, 04-11-24
 Translate file D: empty

Symbol library 1: PTD_M2_Coc_E
 Symbol library 2: PTD60617
 Symbol library 3:
 Symbol library 4:

Copy/Right (C) Siemens AG 2026 All Rights Reserved

FRONT VIEW

=H07	=H08	=H09	=H10	=H11	=H12	=H13
+H07	+H08	+H09	+H10	+H11	+H12	+H13
=HZ04	=HZ05	=HZ01b	=HZ01c	=HZ02	=HZ01	=HZ01a



LOAD DATA AND MINIMUM DISTANCES

- 1.) PERMANENT LOADS
Fv VERTICAL SINGLE LOAD 8.7 kN

- 2.) NON-PERMANENT LOADS
pa LIVELOAD 11.1 kN/m²

- 3.) MINIMUM DISTANCES
 OPERATING AISLE ≥ 800 mm *)
 MINIMUM WALL CLEARANCE LEFT OR RIGHT ≥ 500 mm
 WALL CLEARANCE LEFT OR RIGHT ≥ 100 mm
 WALL CLEARANCE REAR ≥ 800 mm
 FREE-STANDING ARRANGEMENT ≥ 100 mm
 WALL-STANDING ARRANGEMENT ≥ 3120 mm
 HEIGH OF CEILING ≥ 3120 mm

THE LOCATION AND DETAIL DIAGRAMS DO HAVE SYMBOLIC CHARACTER AND DO NOT SHOW THE ACTUAL SCOPE OF SUPPLY.

System/rated frequency
3~50 Hz

Operating voltage
33.0 kV

Rated voltage
36.0 kV

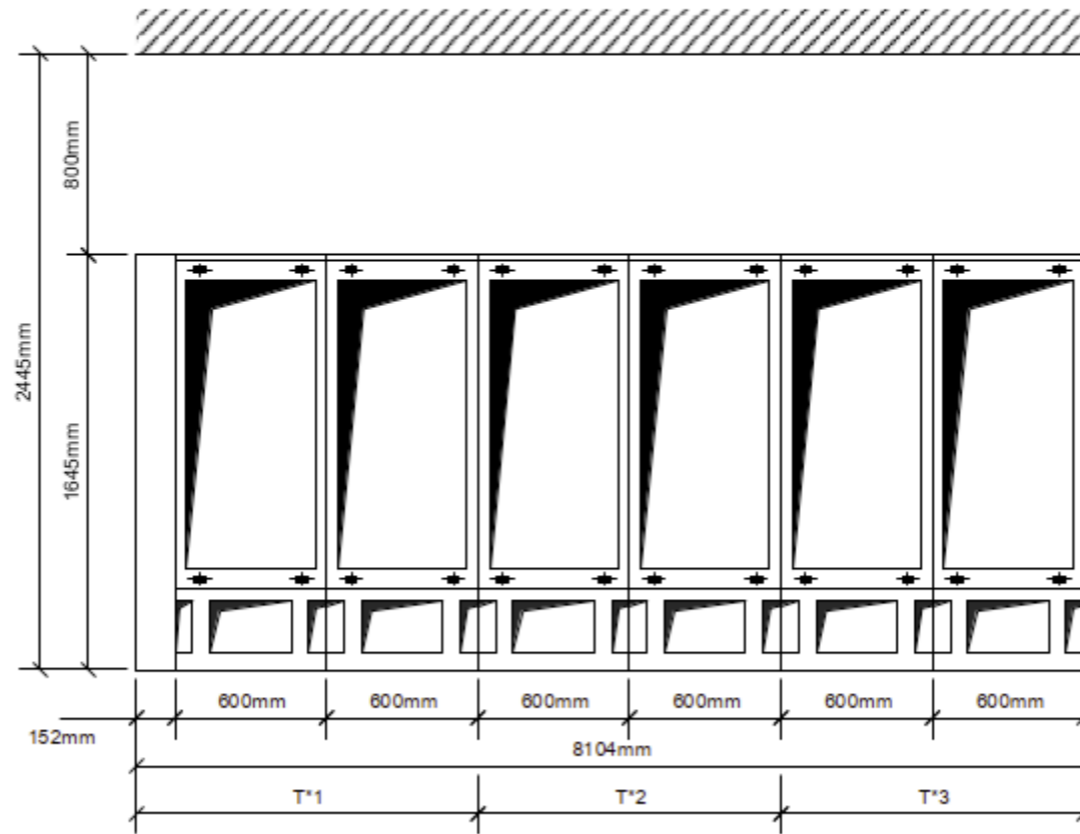
Rated short-time withst. curr.
31.5 kA(3 s)

Rated normal current
2000 A

Date	07.08.2025	Energy Fiji Limited		SIEMENS	8DA/B SWITCHGEAR 36.0 kV GENERAL DOCUMENTS CONSTRUCTIONAL DATA Arrangement drawing	A3-42-E13-103 4513819476	=HZ00	D =H00 +H00	D2
Drawn	M. Usman	33kV Hibiscus Park Substation							
0	For Review	28.04.26	UM.	Appr.	Taha Ansari.	609516-000010	(3) W92210-P631658-S6-0		
Revision	Modification	Date	Name	Norm	Orig./Prep.for/Prep.by	Sheet 2+ 4 Sh.			

PLANT VIEW

=H01 =H02 =H03 =H04 =H05 =H06
 +H01 +H02 +H03 +H04 +H05 +H06
 =HZ01a =HZ01 =HZ01 =HZ02 =HZ01b =HZ03



LOAD DATA AND MINIMUM DISTANCES

- 1.) PERMANENT LOADS
 - Fv VERTICAL SINGLE LOAD 8.7 kN
- 2.) NON-PERMANENT LOADS
 - pa LIVELOAD 11.1 kN/m²
- 3.) MINIMUM DISTANCES
 - OPERATING AISLE ≥ 800 mm *)
 - MINIMUM WALL CLEARANCE LEFT OR RIGHT ≥ 500 mm
 - WALL CLEARANCE LEFT OR RIGHT ≥ 100 mm
 - WALL CLEARANCE REAR
 - FREE-STANDING ARRANGEMENT ≥ 800 mm
 - WALL-STANDING ARRANGEMENT ≥ 100 mm
 - HEIGH OF CEILING ≥ 3120 mm

THESE CONSTRUCTIONAL DATA OF SIEMENS AG ARE NOT BINDING FOR CONSTRUCTION. THEY ARE ONLY VALID AS A BASE FOR PRODUCTION OF BINDING CONSTRUCTIONAL DRAWINGS. FURTHER INFORMATION ACCORDING CONSTRUCTIONAL DATA CAN BE FOUND IN THE RELATED OPERATING AND INSTRUCTION MANUAL.

System/rated frequency 3~50 Hz Operating voltage 33.0 kV Rated voltage 36.0 kV Rated short-time withst. curr. 31.5 kA(3 s) Rated normal current 2000 A

Project: C:/RUNNING PROJECTS/HIBISCUS & MARO ZONE SUBSTATION/631658-00010_HIBISCUS.PRO
 Symbol library 1: PTD_M2_Coc_E
 Symbol library 2: PTD60617
 Symbol library 3:
 Symbol library 4:
 ELCAD-Version 2022 SP2
 Last used: 20.04.26
 FBSTP2
 Archive: =H00/D/D/3
 CopyRight (C) Siemens AG 2026 All Rights Reserved

Date		07.08.2025		Energy Fiji Limited		SIEMENS	8DA/B SWITCHGEAR 36.0 kV		A3-42-E13-103		=HZ00	D =H00		D3
Drawn		M. Usman		33kV Hibiscus Park Substation			GENERAL DOCUMENTS		4513819476			+H00		
0	For Review	28.04.26	UM.	Appr.	Taha Ansari.	8DA/B	CONSTRUCTIONAL DATA		609516-000010		(3) W92210-P631658-S6-0		Sheet 3+	
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by	Arrangement drawing						4 Sh.	

