Design-In Service

Customer	XXXX
Project number	XXXX
Application	

Project Region	XXXX
Enquiry Reference	email
Enquiry Date	19/12/2024
Standard	IEC
Forms	Form 2b
System Supply	400V 50 Hz
No of Poles	3P+N+E
Short circuit	25 kA
Cable Entry	Bottom
Cable Exit'	Bottom

Created by	<Creator>
Processed on	salessupport-ep@rittal.com

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Revision	Date	Description	Name	Customer :	Project Number		Title page / cover sheet	=	&BAA
R1	16/01/2025	REVISION	MG	XXXX	XXXX	Design-In Service			Title page / cover sheet
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RITTAL E&P BU Disclaimer

1. Provision of sample data

1.1 To the extent permitted by law, RITTAL does not assume any warranty for the quality, completeness, correctness or up-to-date of the example data.

1.2 The customer confirms that he will use the example data provided by RITTAL exclusively in an example environment and not in a productive environment. If the customer chooses to use the sample data in a productive environment, it will be at the customer's own responsibility.

1.3 The data provided by RITTAL may not be published or duplicated to third parties without the written permission of RITTAL.

1.4 The general arrangement mounting plate drawings are provided to help understand how the system will look and which RITTAL components are involved.

1.5 The design is provided limited to RITTAL components layout only and customer has to self-make the other control components layout for their usage for manufacturing.

1.6 The Short Circuit rating considered for proposal as per the checklist provided with enquiry.

1.7 The incoming cable entry and outgoing exit will be as per the checklist provided in the inquiry. In case of any changes, the customer must confirm this before placing an order. However, if the customer fails to inform about the changes, then RITTAL will not be responsible for any wrong ordering of materials.

1.8 In case of any technical queries, the customer has to coordinate with the sales team in conjunction with the product team from their respective region.

1.9 Before placing the order, customer has to verify the dimensional fitment on the filed level and accordingly procced further.

2.0 Rittal will not be responsible for the layout of the control and PLC components. Customer need to cross check the space requirements.

2. Limitation of Liability

2.1 RITTAL shall only be liable if RITTAL is at fault, unless the law provides for Liability without fault.

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3. Inputs Received

☐ Design in Form	☐ Single Line Diagram	☑ Schematic drawing
☐ GA Drawing	☑ BOQ	☐ Photo of Current Panels

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Business Unit Energy and Power
Design-In Service
Global Competence Centre - GCC

Structure identifier overview

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Global Competence Centre - GCC

Complete designation	Labeling	Structure description
&BAA	Document type	Title page / cover sheet
&BAB	Document type	Table of contents
&EDB	Document type	Structure description
&EFS	Document type	Electrical engineering schematic
&EPC1	Document type	Summarized parts list
=GAA	Function designation	690V Supply
+S1	Location designation	Enclosure 1

				Customer :		Project Number	Design-In Service	Structure identifier overview	= &EDB
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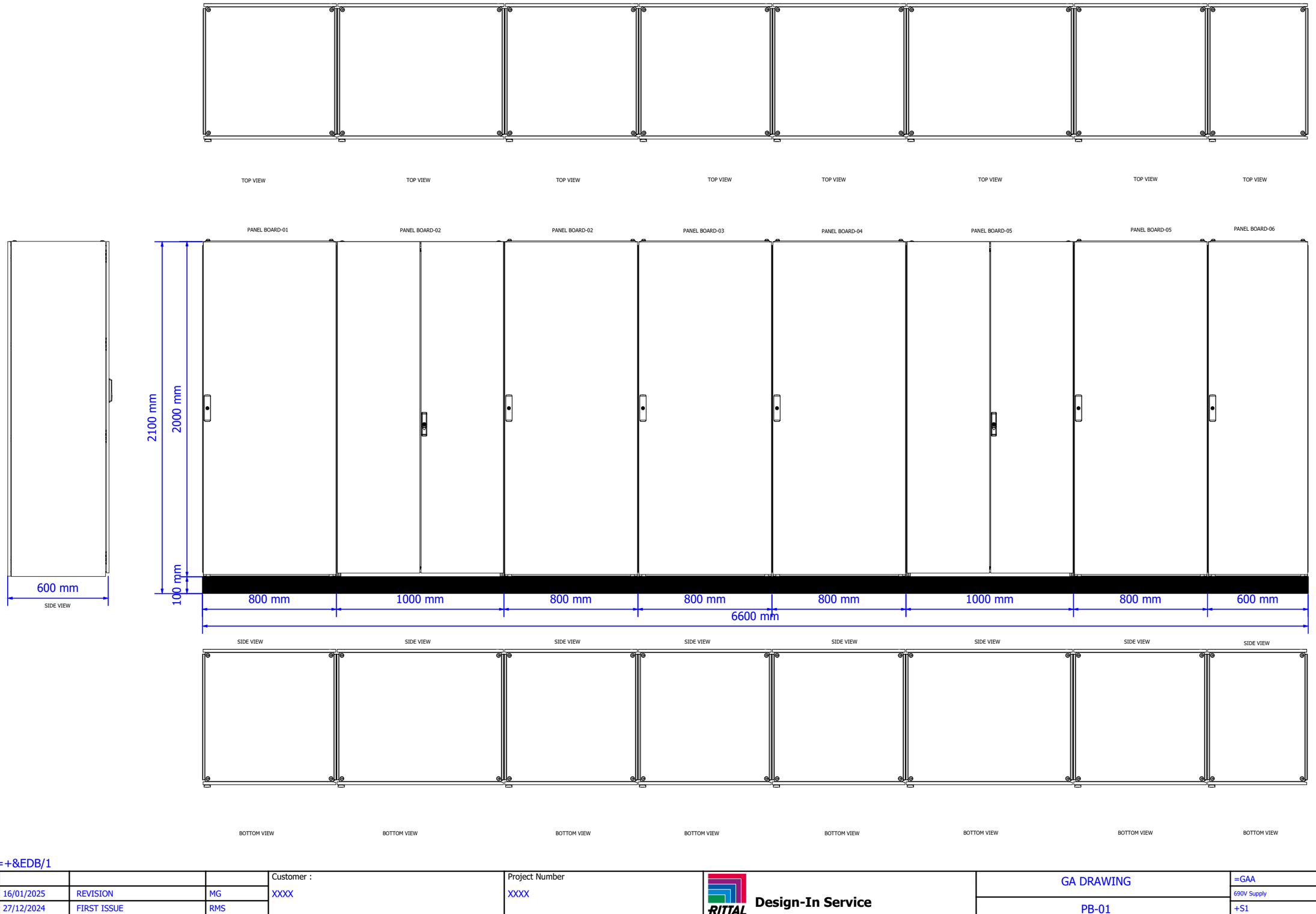

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RITTAL Design-In Service

GA DRAWING
PB-01

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690V Supply	Electrical engineering schematic
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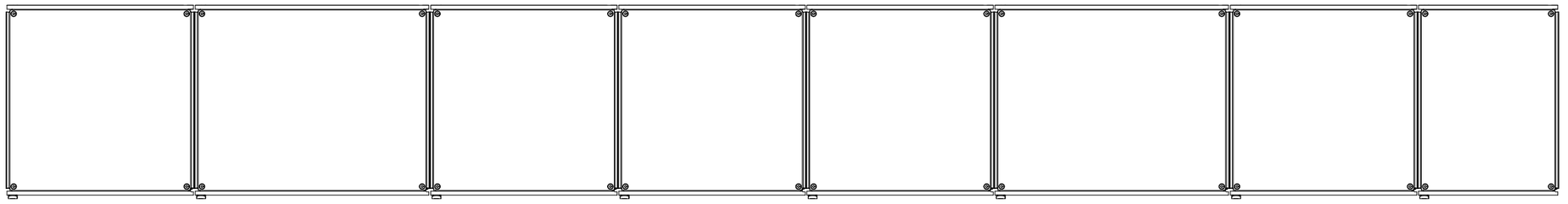
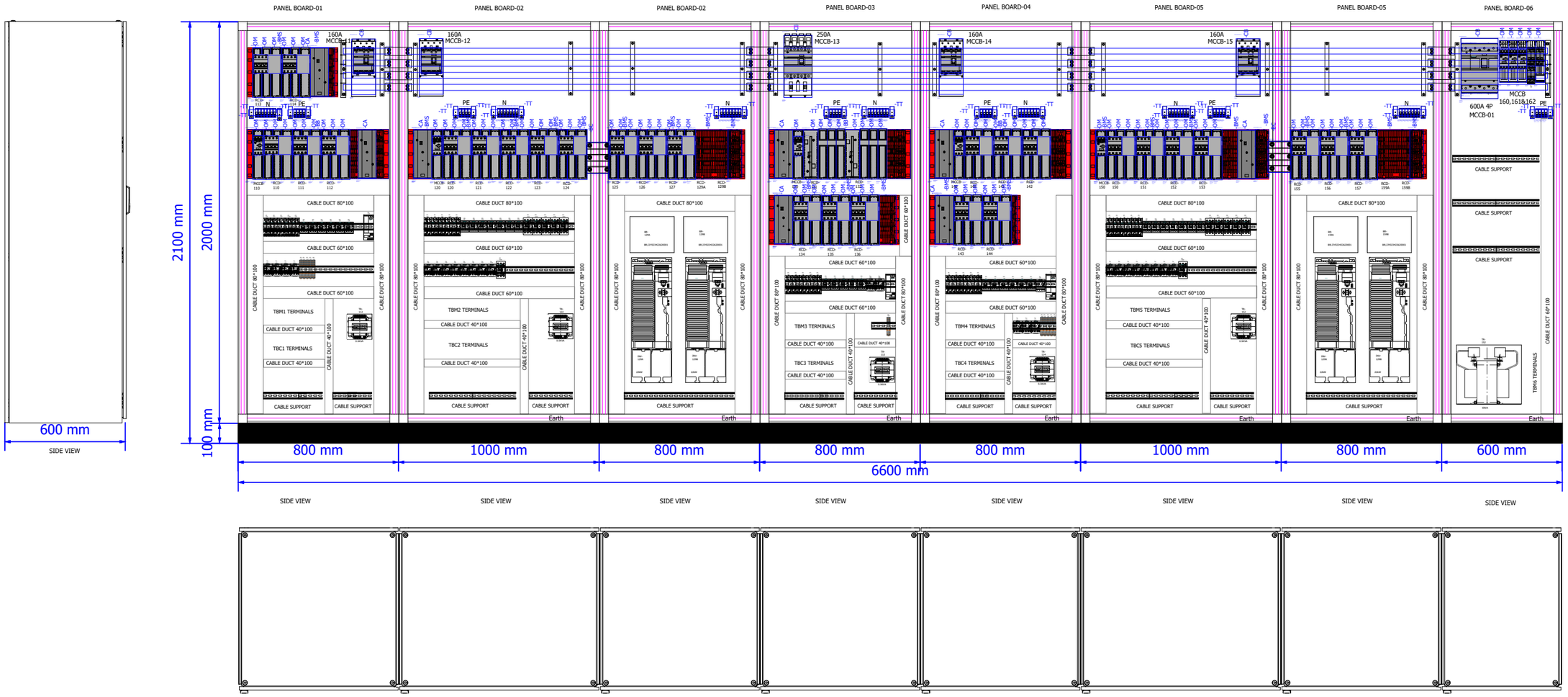


TOP VIEW TOP VIEW TOP VIEW TOP VIEW TOP VIEW TOP VIEW TOP VIEW TOP VIEW



SIDE VIEW SIDE VIEW SIDE VIEW SIDE VIEW SIDE VIEW SIDE VIEW SIDE VIEW SIDE VIEW

BOTTOM VIEW BOTTOM VIEW BOTTOM VIEW BOTTOM VIEW BOTTOM VIEW BOTTOM VIEW BOTTOM VIEW BOTTOM VIEW

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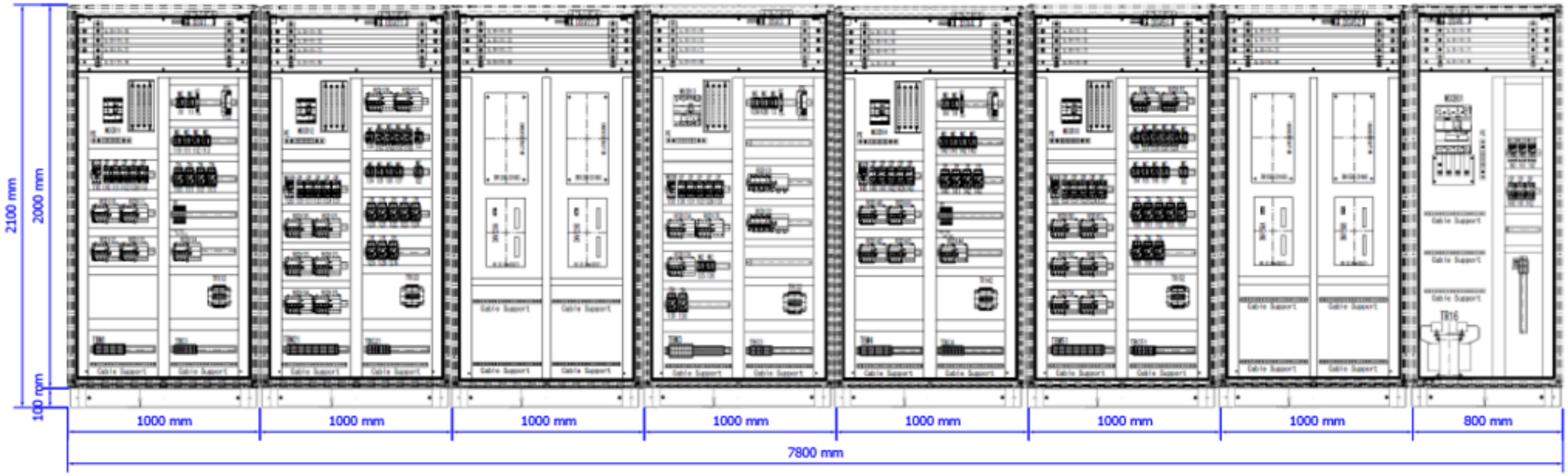
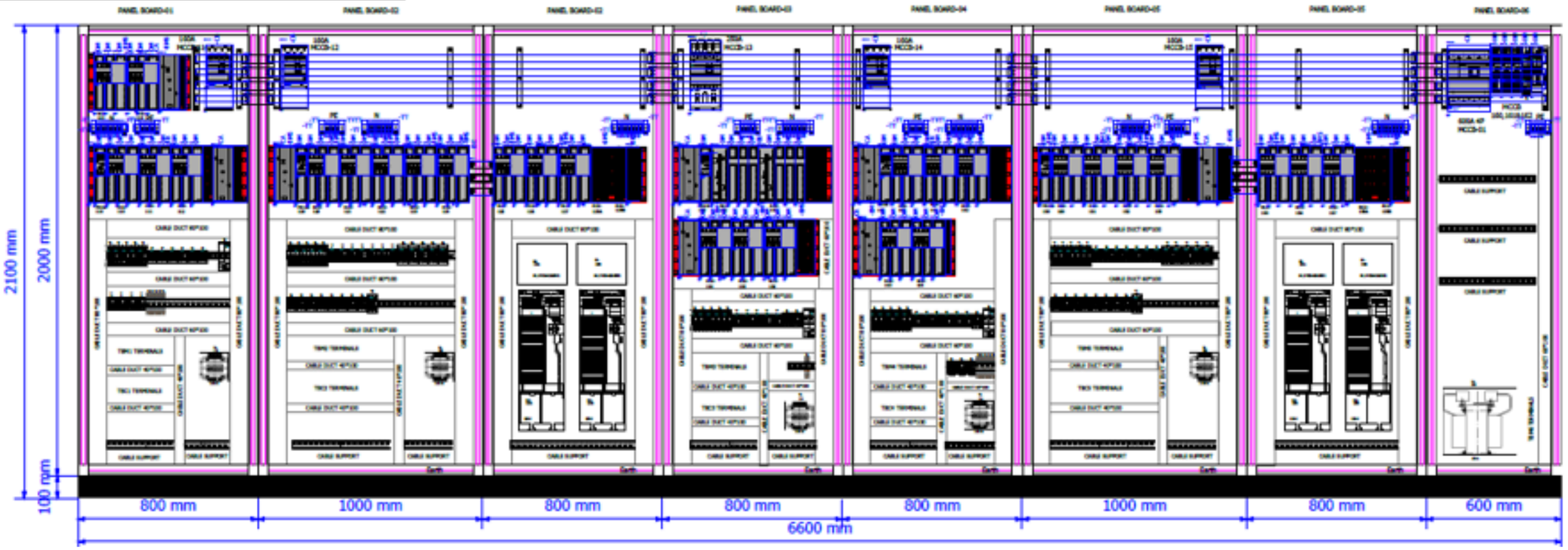
Advantages of RiLine solution over conventional enquiry

Conventional enquiry



Rittal RiLine solution



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Advantages of RiLine solution over conventional enquiry

RiLineX
THE POWER PLATFORM

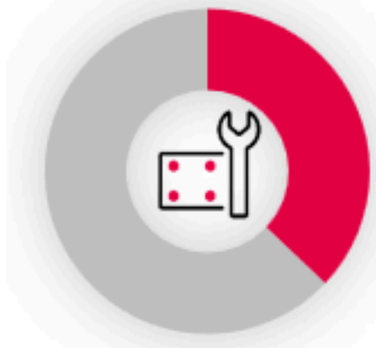
Explore your Savings

Engineering

-13%

-8 h

Overall savings



Assembly Time

-37%

-20 h

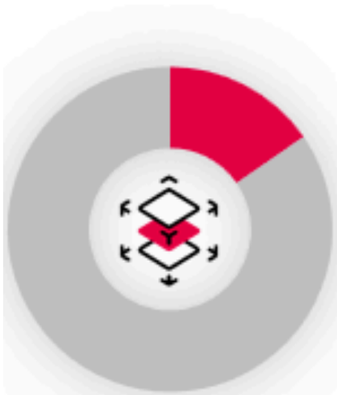
Savings

Labour Hours

-24%

-28 h

Savings

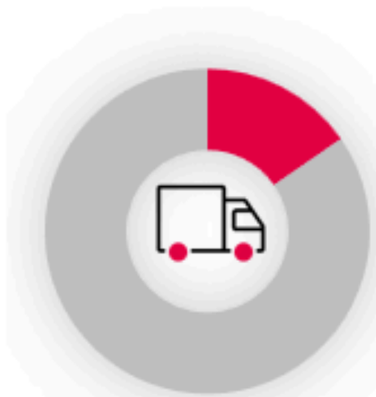


Footprint

-15%

-0.72 m²

Savings



Logistics

-15%

-1.44 m³

Savings

Standardized

100%

Efficient

Values based on joint study by EPLAN
Software & Service GmbH & Co. KG in and The Universität Stuttgart.

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Summarized parts list

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Sl. No.	Device Tag	Article number	Designation	Total Piece Qty	Qty per Pack	Total Pack Qty	Document	Picture
1		SV.9340134	SV Base tray, L: 1100 mm, (4-pole)	2	2.00	1		
2		SV.9340214	SV Cover section, L: 1100 mm, (4-pole)	2	2.00	1		
3		RX.9360101	RiLineX Busbar system, End cover, 3-pole	10	2.00	5		
4	TT	SV.3456505	SV Conductor connection clamp, 1,5-16 mm² (Push-in), for bar thickness 10 mm	73	10.00	8		
5	OM	SV.9340074	SV End cover, for busbar support, SV 9340004	2	2.00	1		
6		SV.9340004	SV Busbar support, 4-pole, 60 mm bar centre distance, for busbar WH: 12x5-30x10 mm, UL design	16	4.00	4		
7	OM	SV.9320030	SV Busbar connector, for E-Cu 20x5-30x10 mm, bayed connection	16	3.00	6		
8	BB	SV.3586005	SV Busbar E-Cu, WH: 30x10 mm, L: 2400 mm	20	3.00	7		

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				Customer : XXXX	Project Number XXXX	Design-In Service	Summarized parts list : RIT.9340134 - RIT.35
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Summarized parts list

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Sl. No.	Device Tag	Article number	Designation	Total Piece Qty	Qty per Pack	Total Pack Qty	Document	Picture
9	BB	RX.9360088	RiLineX Busbar system, 800 A, 3-pole, 50 kA, 800 mm	3	1.00	3		
10	BC	RX.9365013	Baying connector RiLineX, 130 mm, 3~	2	3.00	1		
11	BMS	RX.9360120	RiLineX Busbar system, Basic Modules, For: 200 mm, 25/50 kA3-pole	21	6.00	4		
12	BMS	RX.9360150	RiLineX Busbar system, Basic Modules, For: 54 mm, 25/50 kA3-pole	4	6.00	1		
13	BT	SV.9340170	SV Base tray, L: 2400 mm	1	1.00	1		
14	CA	RX.9360220	RiLineX Connection adaptor, max.: 150 mm², 3-pole	8	1.00	8		
15	CB	SV.9342514	SV Circuit-breaker component adaptor, 160 A, 690 V, 4-pole, cable outlet bottom, round conductor connection 35-120 mm², clamping area WH: 18,5x15,5 mm	4	1.00	4		
16	CB	SV.9345614	SV Circuit-breaker component adaptor, 250 A, 690 V, 4-pole, cable outlet bottom, with connection straps	1	1.00	1		

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Sl. No.	Device Tag	Article number	Designation	Total Piece Qty	Qty per Pack	Total Pack Qty	Document	Picture
17	CB	SV.9345734	SV Circuit-breaker component adaptor, 500 A, 690 V, 4-pole, cable outlet bottom, for switchgear make:, Siemens	1	1.00	1		
18	CS	SV.9340210	SV Cover section, L: 1100 mm	1	2.00	1		
19	CS	SV.3092000	SV Busbar cover section, for demension WH: 12x5-30x10 mm, L: 1000 mm/section	2	10.00	1		
20	OM	SV.9340530	SV OM adaptor, 32 A, 690 V, 3-pole, tension spring clamp 1,5-6 mm², WH: 45x208 mm, support frame, support rail TS 45C	3	1.00	3		
21	OM	RX.9360760	Component Adapters RiLineX, 65 A, , Width:54 mm, AWG 6/16 mm², 3-pole	5	4.00	2		
22	OM	SV.9340300	SV OM Support, WH: 45x208 mm, support rails 2xTS 45D, without contact system	2	1.00	2		
23	OM	RX.9360710	Component adaptor RiLineX, 16 A, , Width: 45 mm, AWG 14/2,5 mm², 3-pole	28	4.00	7		
24	OM	RX.9360705	Component support RiLineX, without contact system Width: 45 mm	34	4.00	9		

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Sl. No.	Device Tag	Article number	Designation	Total Piece Qty	Qty per Pack	Total Pack Qty	Document	Picture
25	OM	RX.9360707	Component support RiLineX, without contact system 3-pole	28	4.00	7		
26	OM	RX.9360790	Component Adapters RiLineX, 100 A, , Width:72 mm, AWG 2/35 mm², 3-pole	2	1.00	2		
27	TT	SV.9340030	SV Busbar support, 1-pole, for busbar WH: 12x5-30x10 mm	26	4.00	7		
28	1	SV.9340850	SV Cable set, AWG 14, L: 140 mm	4	15.00	1		

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