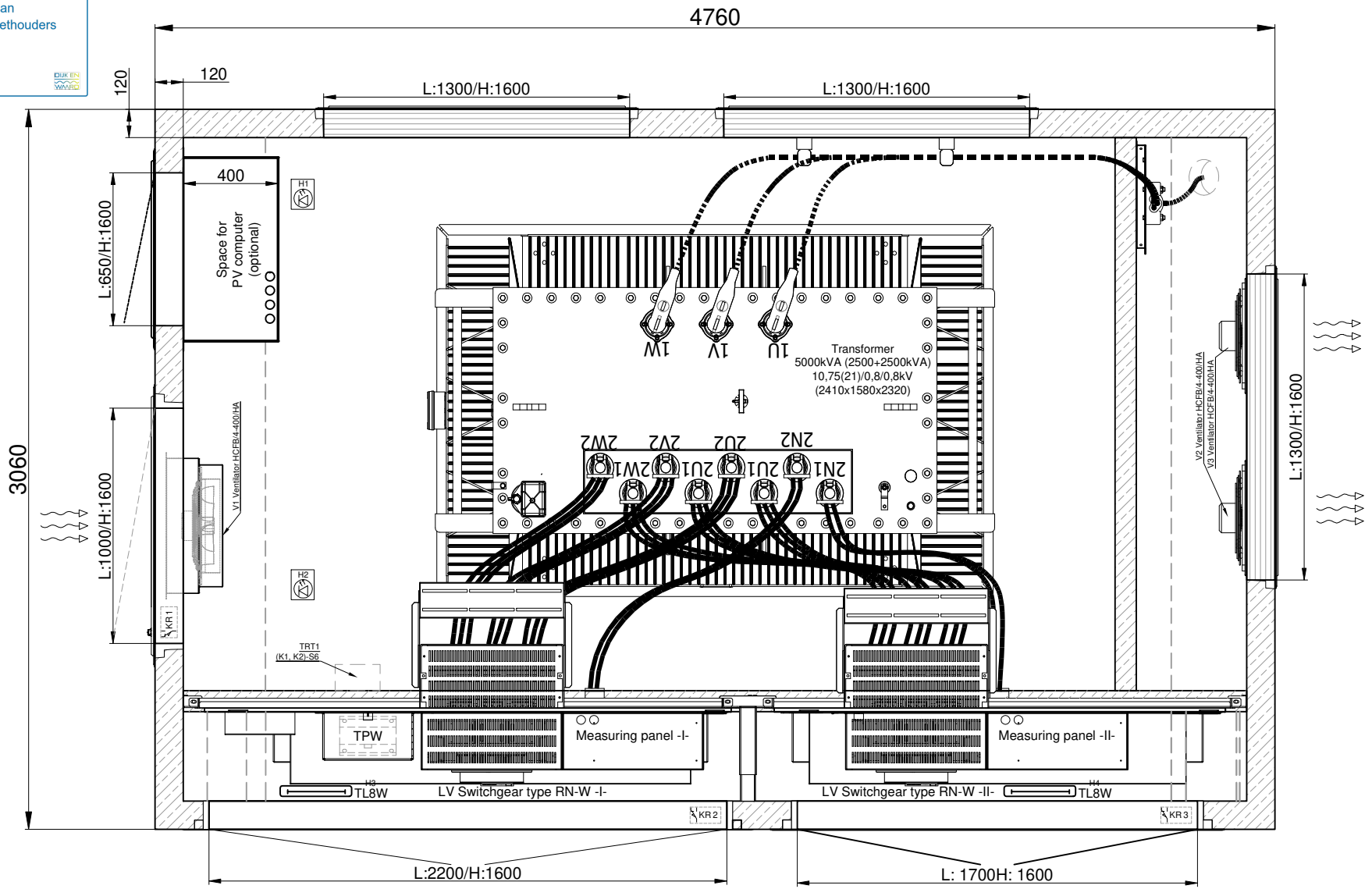
Behoort bij besluit van
Burgemeester en wethouders
van Dijk en Waard

Nr. : 772911

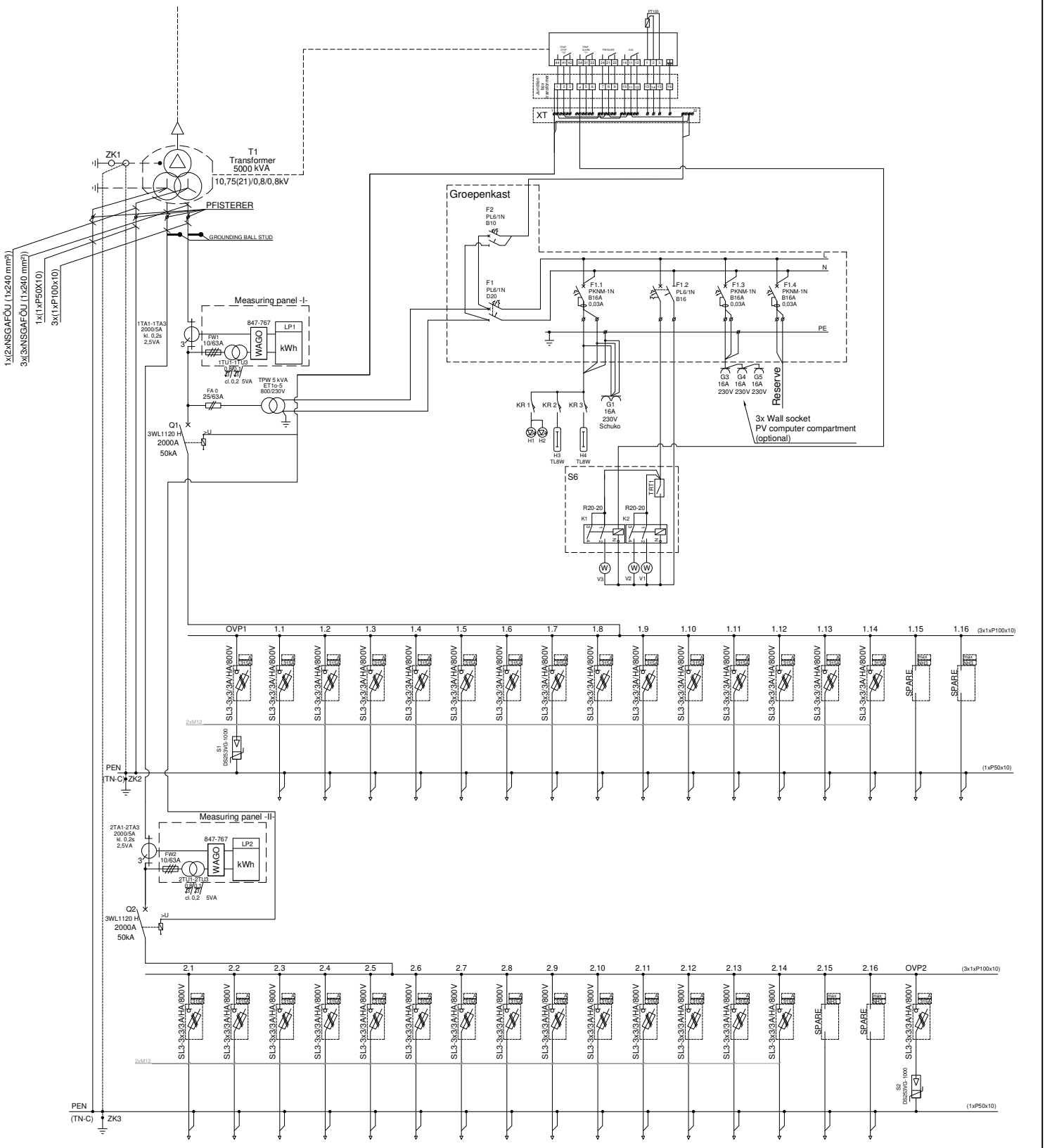


Note!
1. This is only concept for approval.
2. The station is made according to PN-EN 62271-202. Using natural and mechanical ventilation load factor for transformer is 1,00 in ambient temperature 30°C.
3. Place for transformer (Eco Design: Level2/TIER2)
5000kVA 10,75(21)/0,8/0,8 kV (2410mm x 1580mm x 2320mm). Insulation class of transformer 60-65K O/W.
4. If transformer will be different, parameters of substation can change.
5. Degree of protection for substation IP23D.
6. Approximate weight of station:
   - enclosure: 15000kg ±10% (with equipment, without transformer),
   - roof: 4500kg ±10%,
   - transformer: 9310kg ±10%.

batenburg energietechniek

Customer: IX Zon DUURZAME ENERGIE	Object: PV park Althon Heerhugowaard	Format:	A4
		Scale:	1:25
Subject of elaboration: Compact transformer substation Mzb2 21/5000.	Drawing name: Top View.	Date:	2023.05.10
		Drawing №:	1/6

Designed by:	Actualized by:	Checked by:	Concept №:
Eng. Paweł Noworól		Grzegorz Boszczyk	PK-2023-00324-01-01-WL



Note! This is only concept for approval.

Rated diversity factor (PN-EN 61439)					
Number of switches	1xNH__	(2-3)xNH__	(4-5)xNH__	(6-9)xNH__	(10<)xNH__
Load factor	100%I_n	90%I_n	80%I_n	70%I_n	60%I_n

batenburg energietechniek	Customer: IX Zon DUURZAME ENERGIE	Object: PV park Althon Heerhugowaard	Format: A4
			Scale: -
	Subject of elaboration: Compact transformer substation Mzb2 21/5000.	Drawing name: Electric scheme.	Date: 2023.05.10
			Drawing №: 2/6

Designed by:	Actualized by:	Checked by:	Concept №:
Eng. Paweł Noworól		Grzegorz Boszczyk	PK-2023-00324-01-01-WL

ZPUE S.A.
29-100 Włoszczowa, ul. Jędrzejowska 79c
tel. +48 41 38 81 000
Serwis 24h +48 506 005 142
www.zpue.pl

LOW VOLTAGE SWITCHGEAR			
Type:	RN-W		
Year of manufacture:	Serial number:		
U_n	800 V	I_n	2000 A
U_i	1000 V	I_{cw}	35 kA
f_n	50 Hz	I_{pk}	77 kA
IEC 61439-1	I_{cw} - rated short-time withstand current of main busbars I_{pk} - rated peak withstand current of main busbars		

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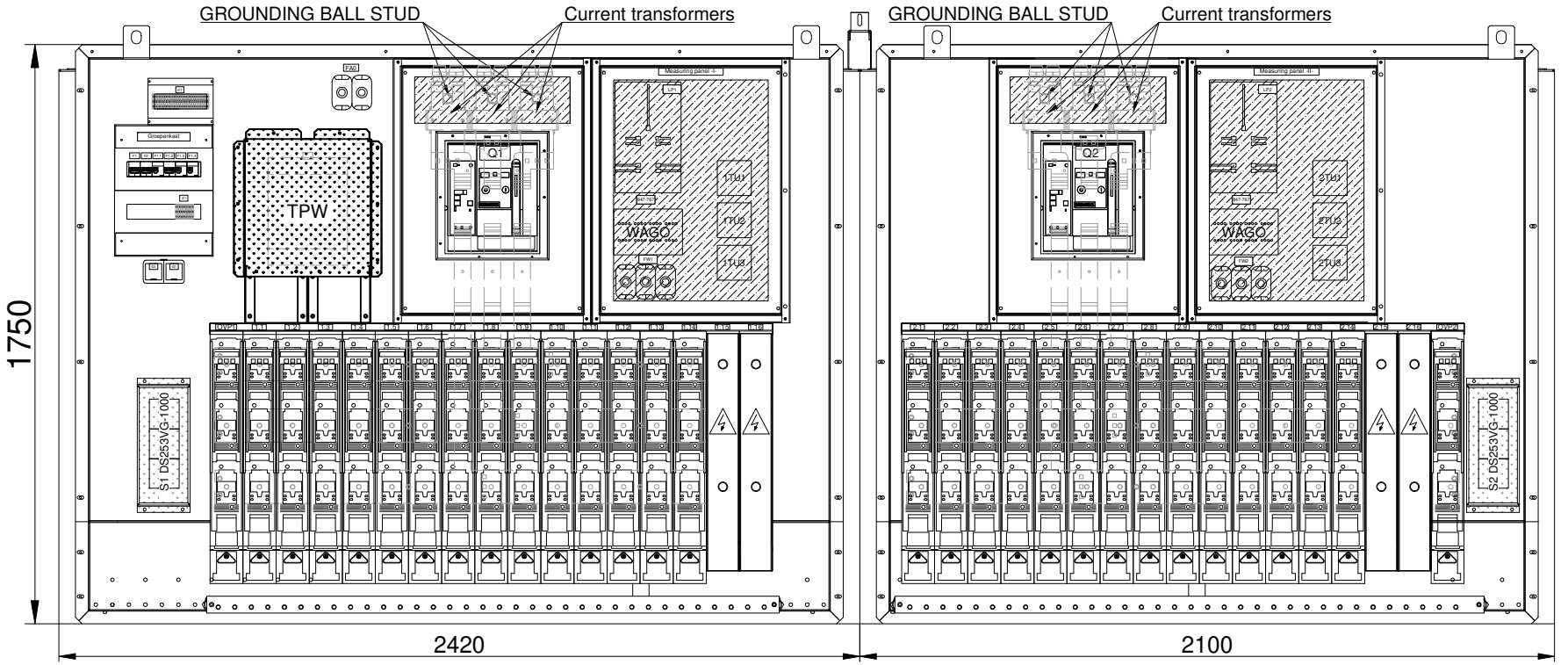
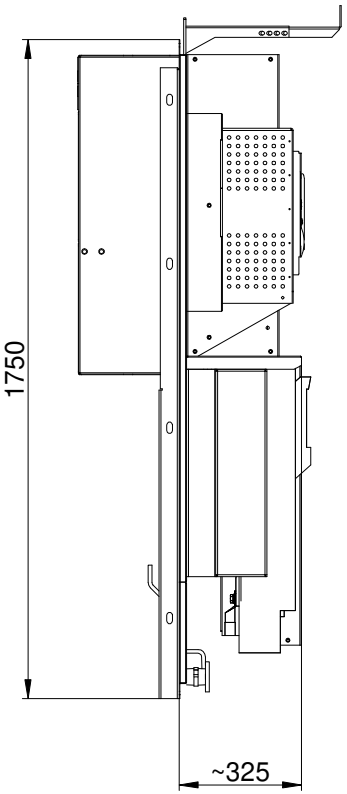
Front view



LV Switchgear type RN-W -I-

LV Switchgear type RN-W -II-

Side view

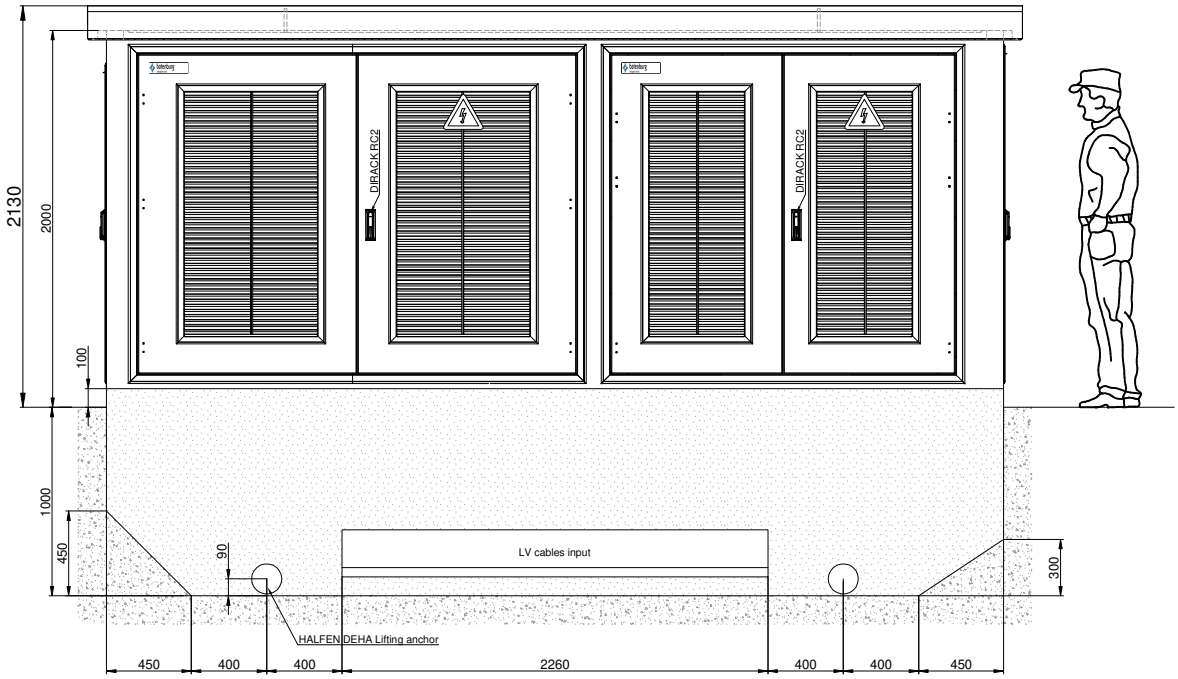


Note! This is only concept for approval..

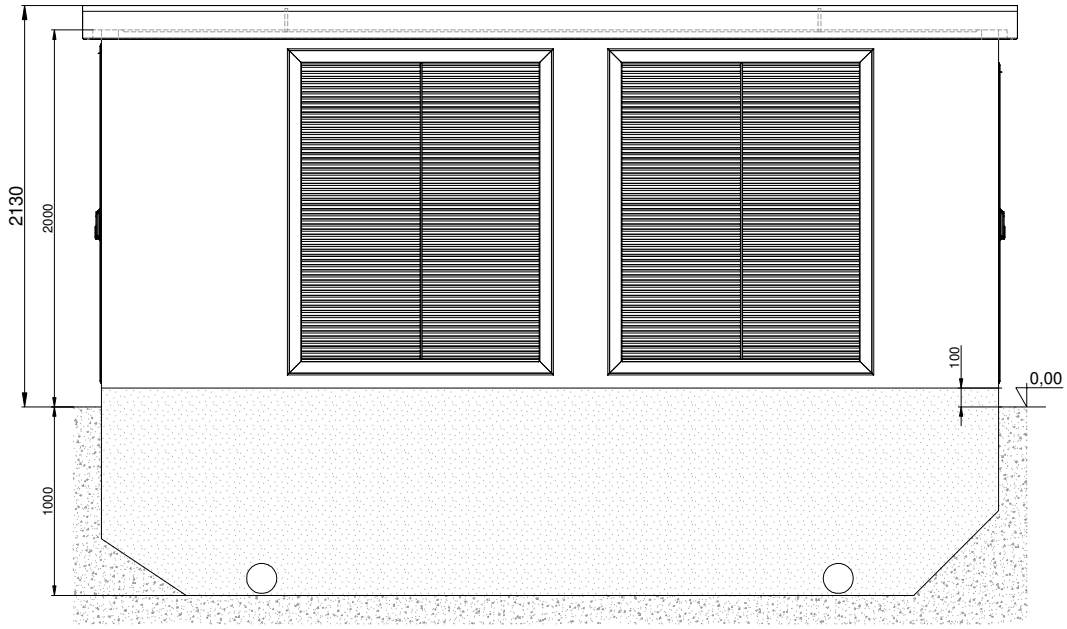
batenburg energietechniek

Customer: IX Zon DUURZAME ENERGIE		Object: PV park Althon Heerhugowaard	Format: A4
			Scale: 1:20
Subject of elaboration: Compact transformer substation Mzb2 21/5000.		Drawing name: LV switchgear type RN-W.	Date: 2023.05.10
			Drawing №: 3/6
Designed by:	Actualized by:	Checked by:	Concept №:
Eng. Paweł Noworól		Grzegorz Boszczyk	PK-2023-00324-01-01-WL

Front view



Back view



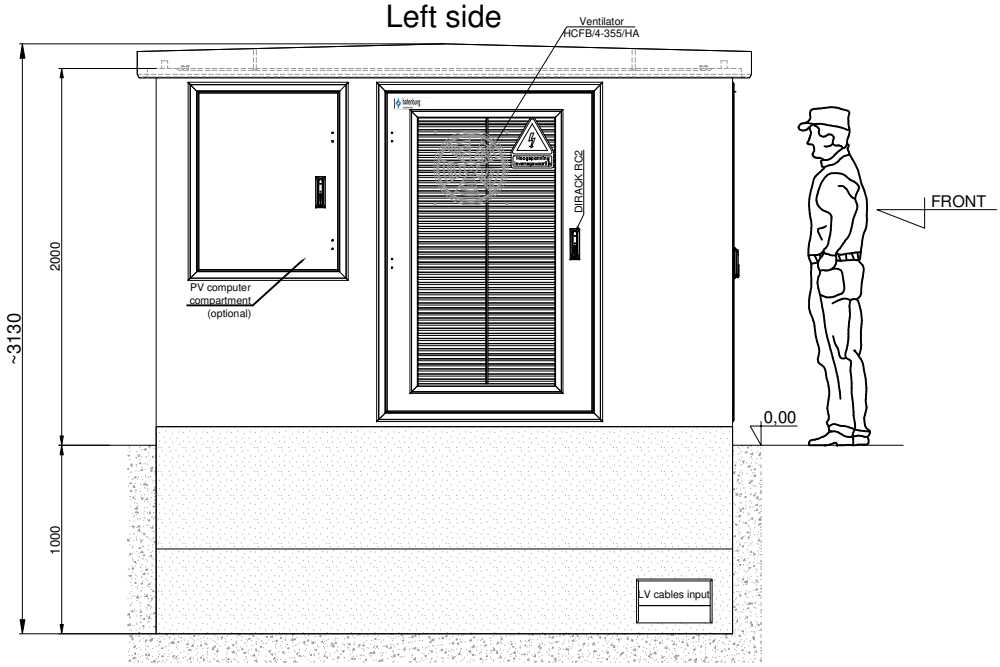
Station colors:
- roof: RAL ____
- doors and louvers: RAL ____
- elevation: RAL ____

Note! This is only concept for approval.

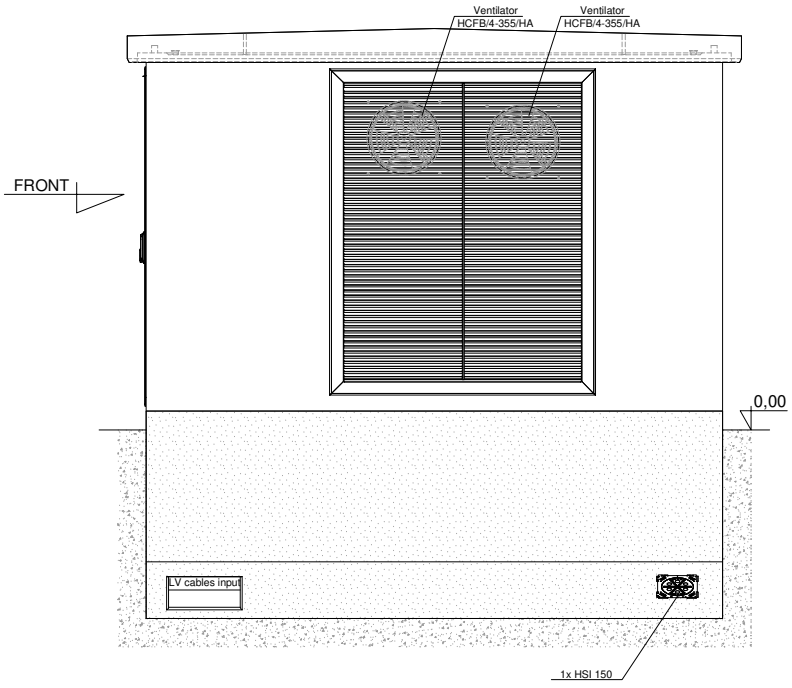
batenburg energietechniek	Customer: IX Zon DUURZAME ENERGIE	Object: PV park Althon Heerhugowaard	Format: A4
			Scale: 1:40
	Subject of elaboration: Compact transformer substation Mzb2 21/5000.	Drawing name: Views of station.	Date: 2023.05.10
			Drawing №: 4/6

Designed by:	Actualized by:	Checked by:	Concept №:
Eng. Paweł Noworól		Grzegorz Boszczyk	PK-2023-00324-01-01-WL

Left side



Right side

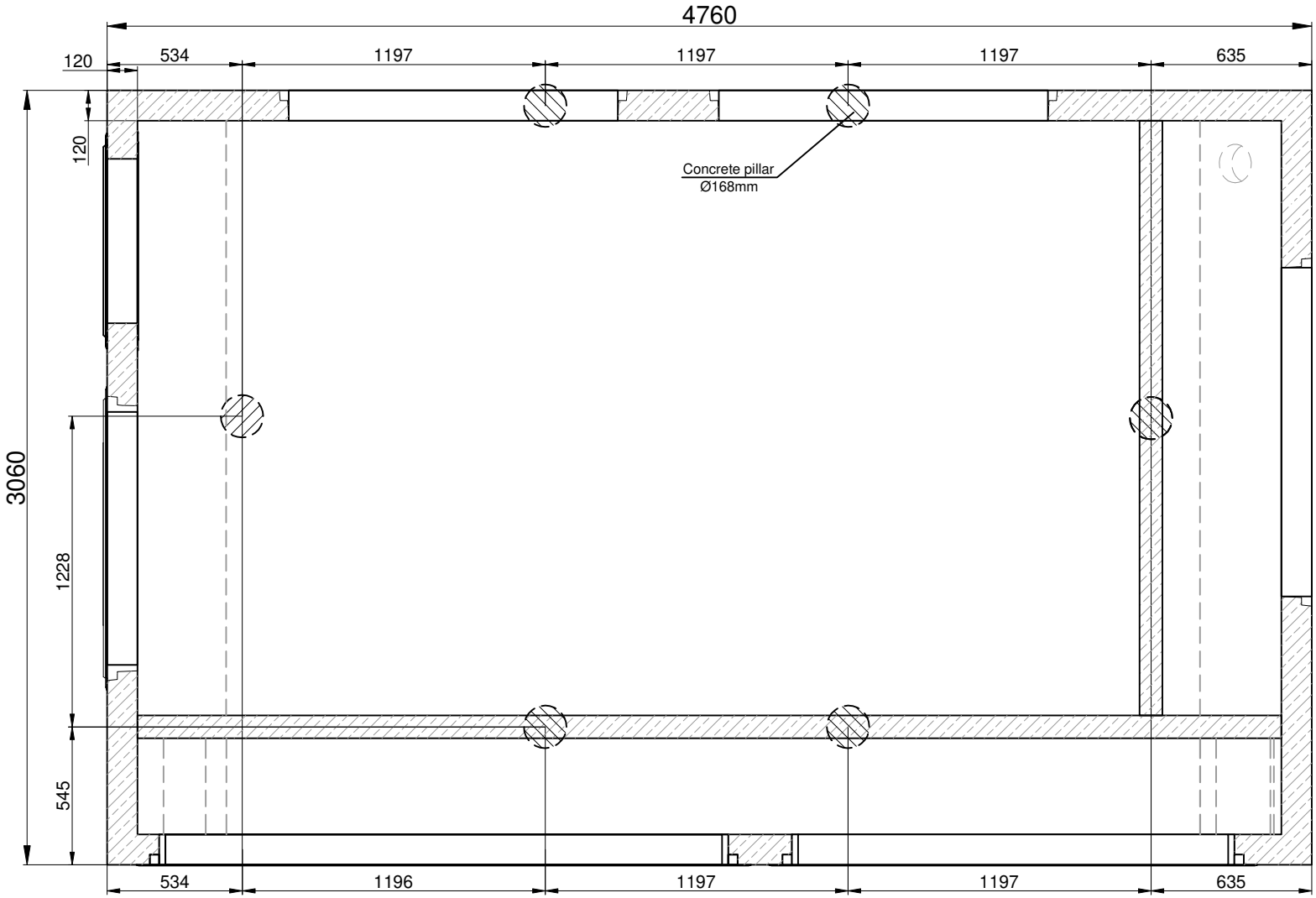


Station colors:
- roof: RAL ____
- doors and louvers: RAL ____
- elevation: RAL ____

Note! This is only concept for approval.

batenburg energietechniek	Customer: IX Zon DUURZAME ENERGIE	Object: PV park Althon Heerhugowaard	Format: A4
			Scale: 1:40
	Subject of elaboration: Compact transformer substation Mzb2 21/5000.	Drawing name: Views of station.	Date: 2023.05.10
			Drawing №: 5/6

Designed by:	Actualized by:	Checked by:	Concept №:
Eng. Paweł Noworól		Grzegorz Boszczyk	PK-2023-00324-01-01-WL



Note!
1. This is only concept for approval.
2. Concrete pillars Ø168mm with a load capacity of 180 kN.

batenburg energietechniek	Customer: IX Zon DUURZAME ENERGIE	Object: PV park Althon Heerhugowaard	Format: A4
			Scale: 1:25
	Subject of elaboration: Compact transformer substation Mzb2 21/5000.	Drawing name: Foundation of the station on concrete piles.	Date: 2023.05.10
			Drawing №: 6/6
	Designed by: Eng. Paweł Noworól	Actualized by:	Checked by: Grzegorz Boszczyk
			Concept №: PK-2023-00324-01-01-WL