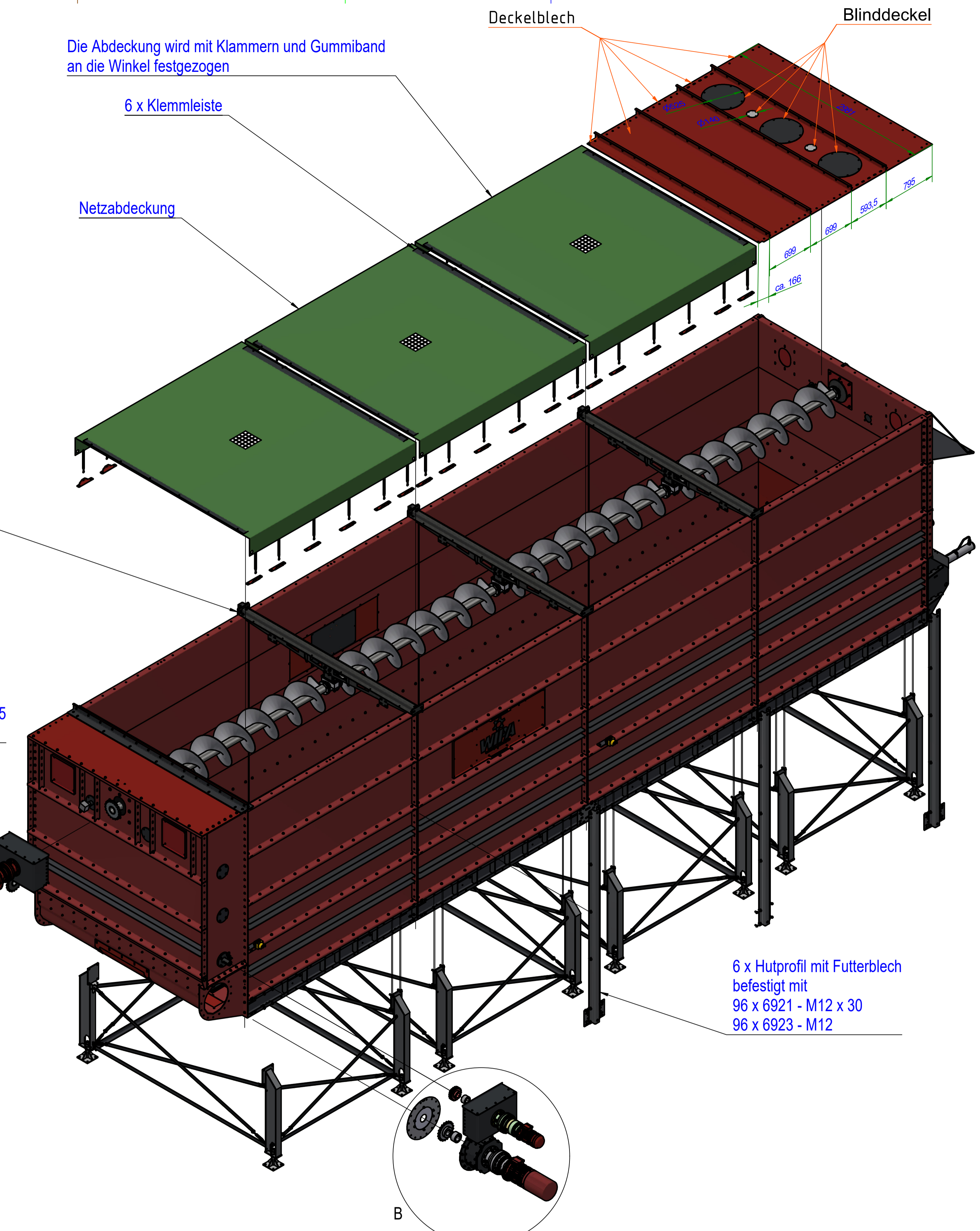
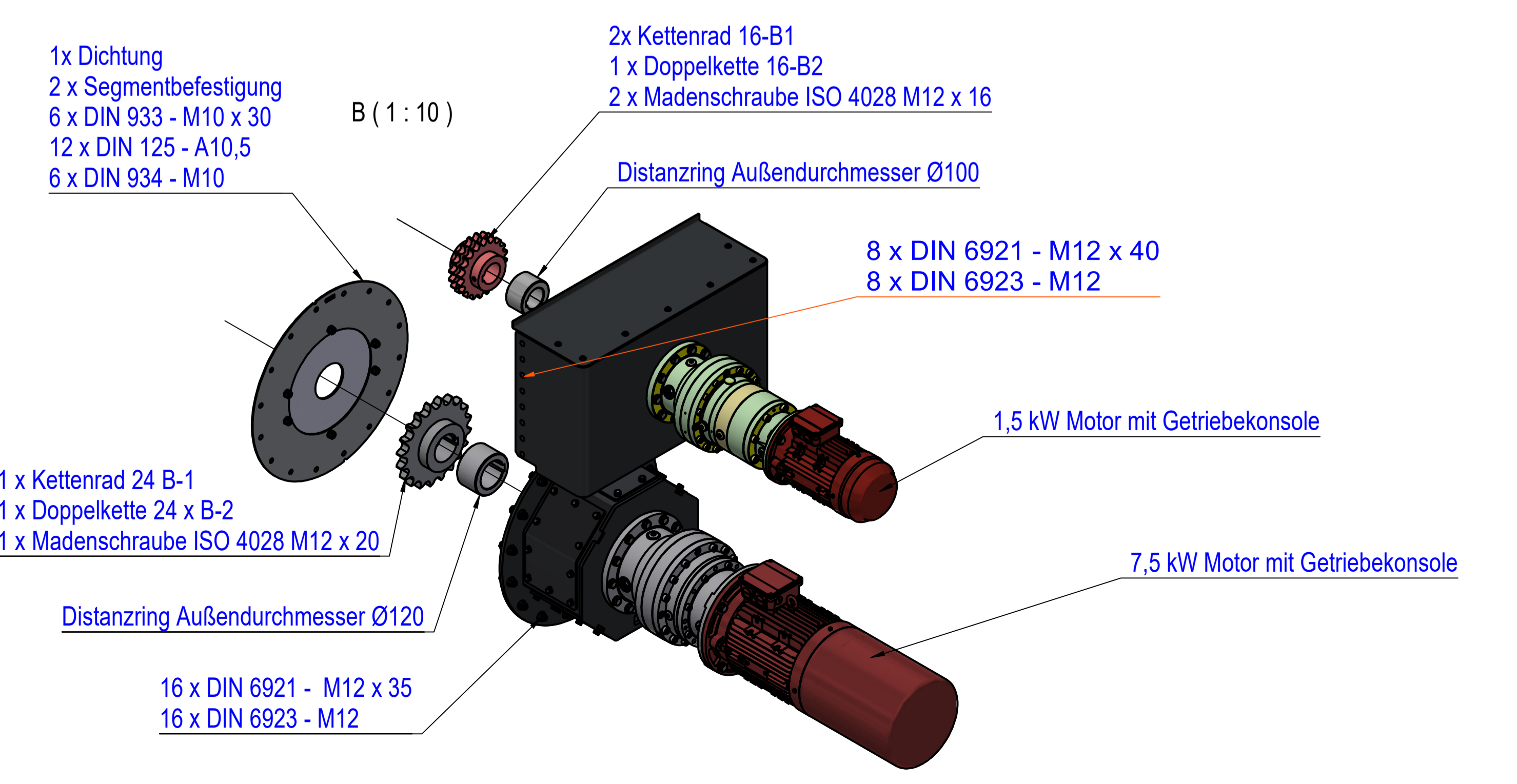
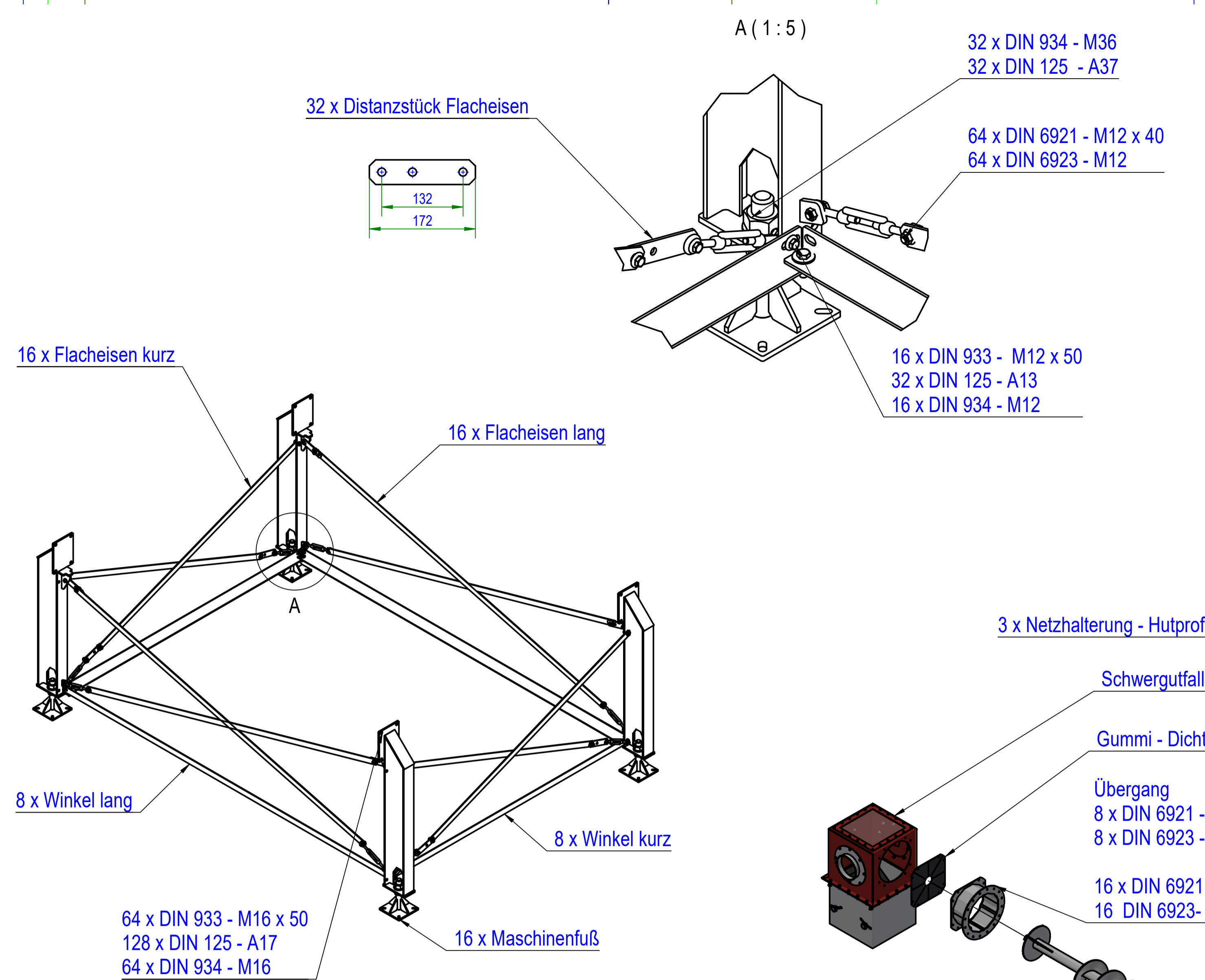


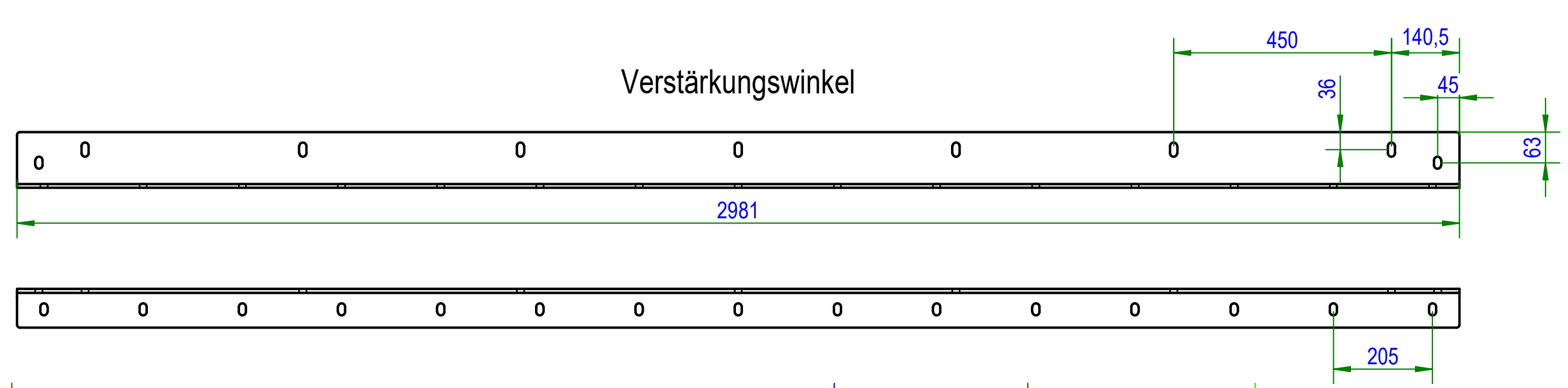
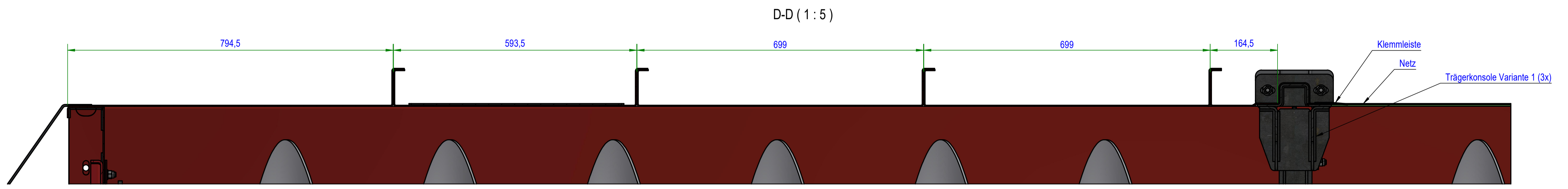
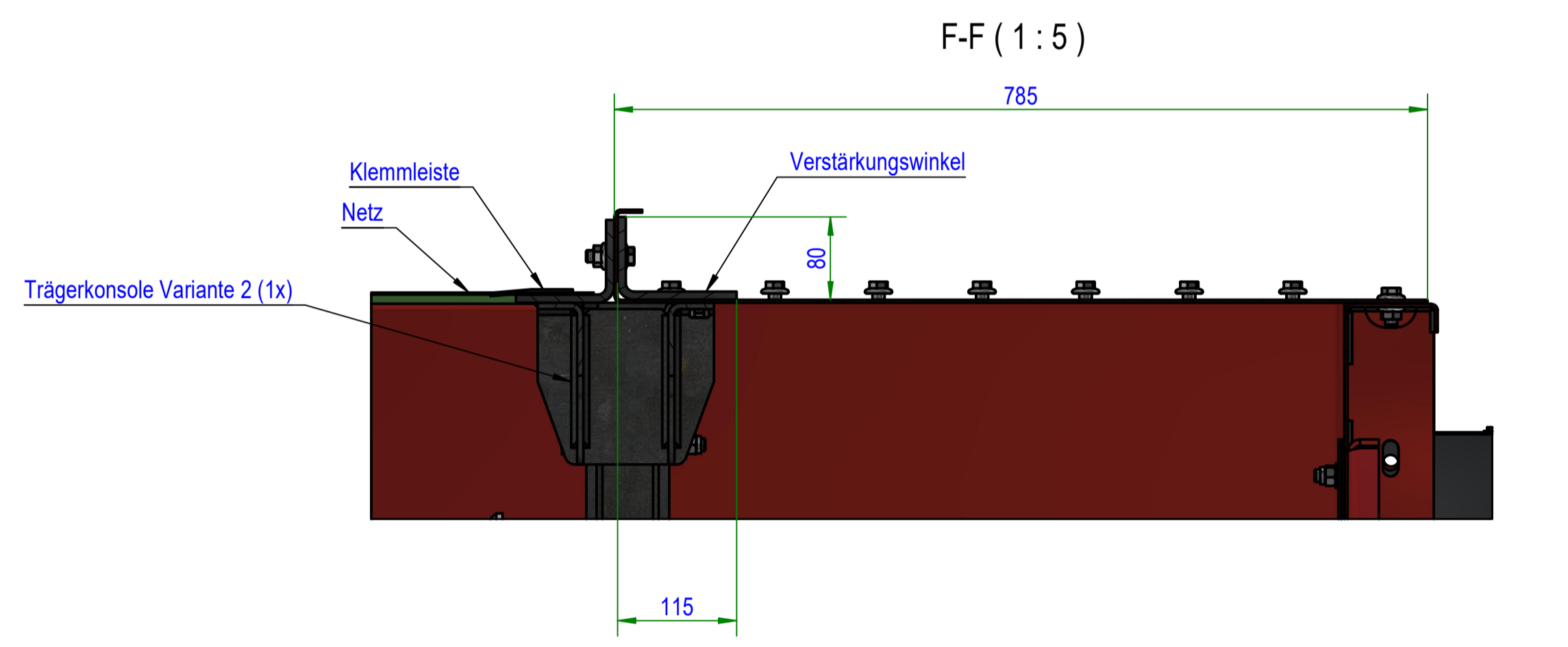
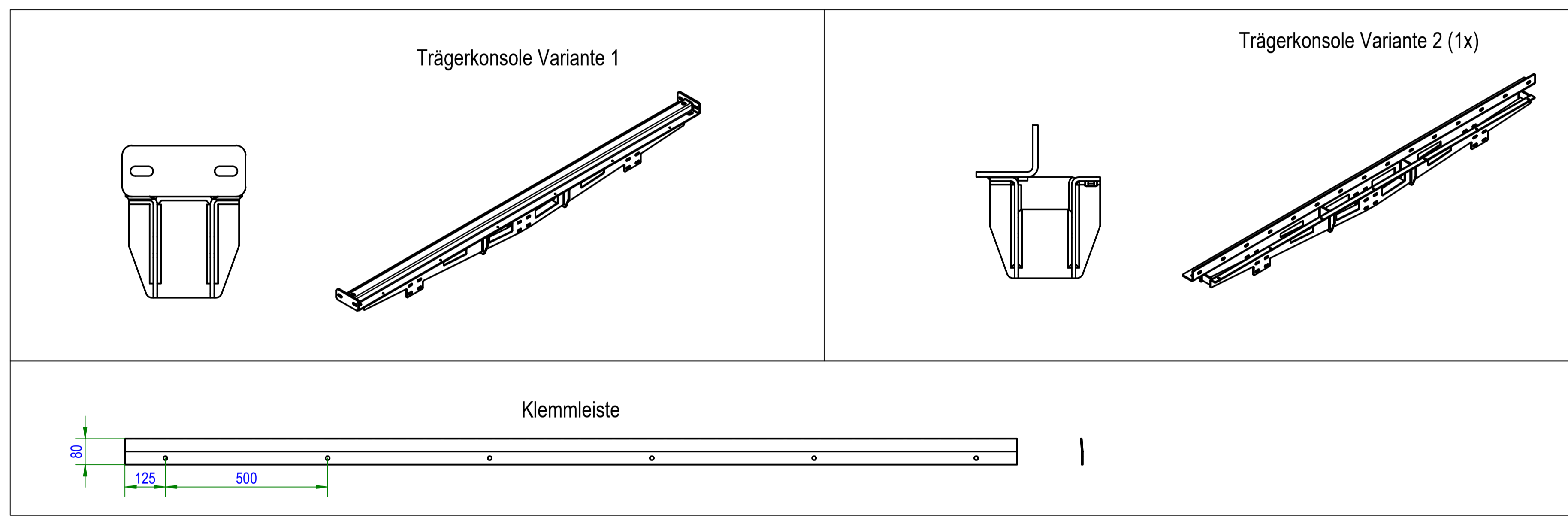
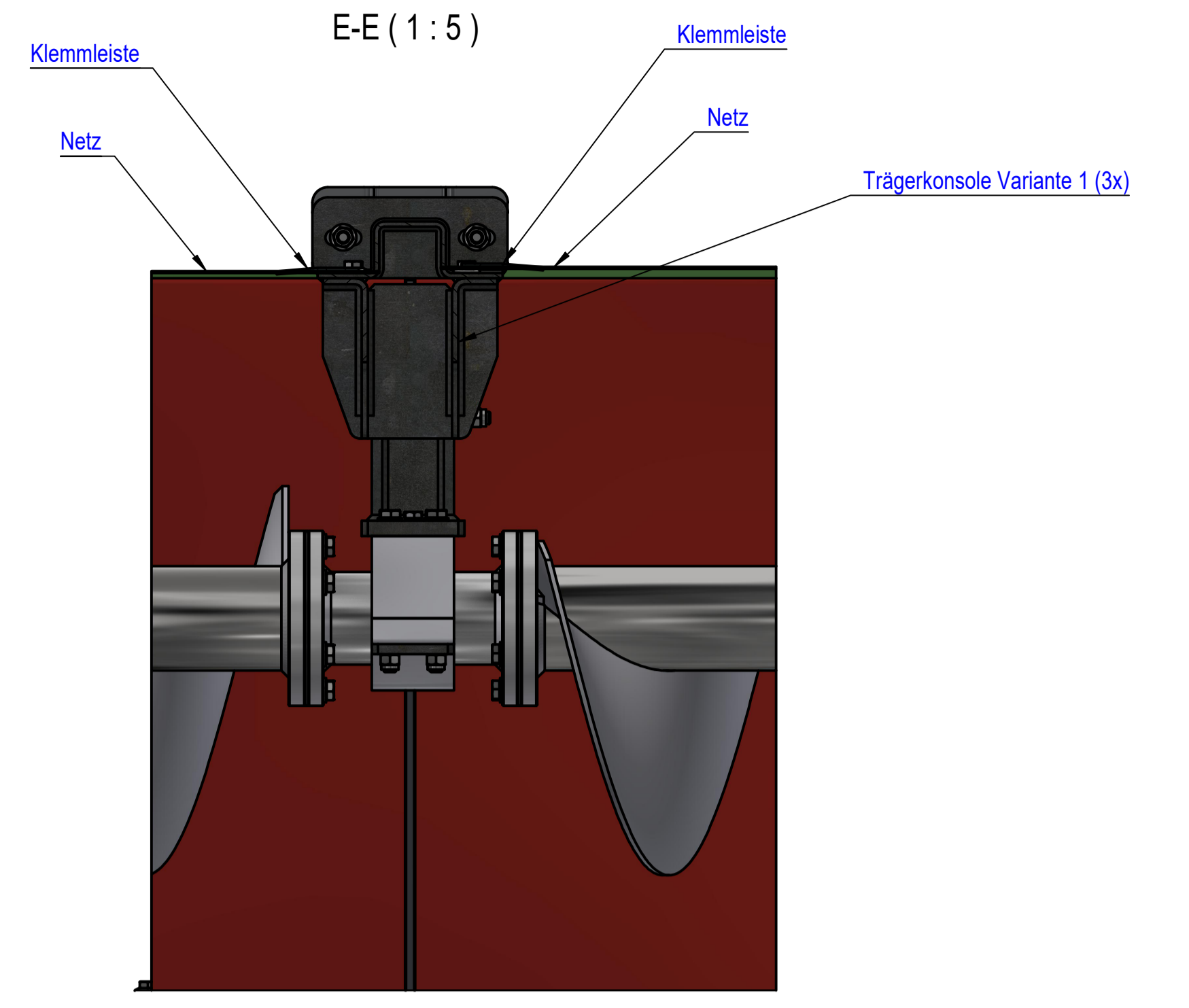
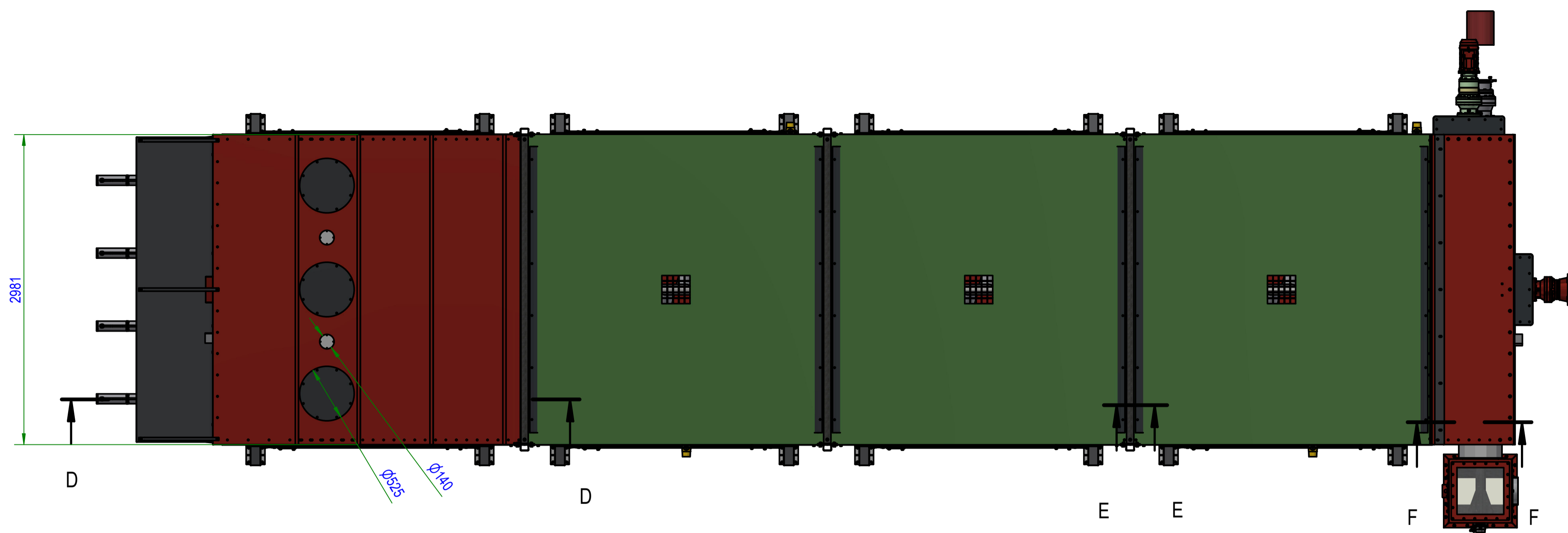
Achtung bei 2. Bunkersilo Austragsrichtung links !!
Rest identisch.

		Diese Zeichnung ist Eigentum der WIPA GmbH, Benzstr. 12 D 48703 Städtchen 02563 / 20585-0 info@wipa-germany.de (Inhaberschütz nach DIN ISO 16016-2:2011-12)		Datum: 16.02.2022 Name: Tg	Bunkersilo S100 Bunkersilo S100 - Montagezeichnung
		Datum: 16.02.2022 Name: Tg	AE-, AB-Nummer: Anlagentyp: Bunkersilo	Revisionsnummer: Blatt: 1/3 A1	

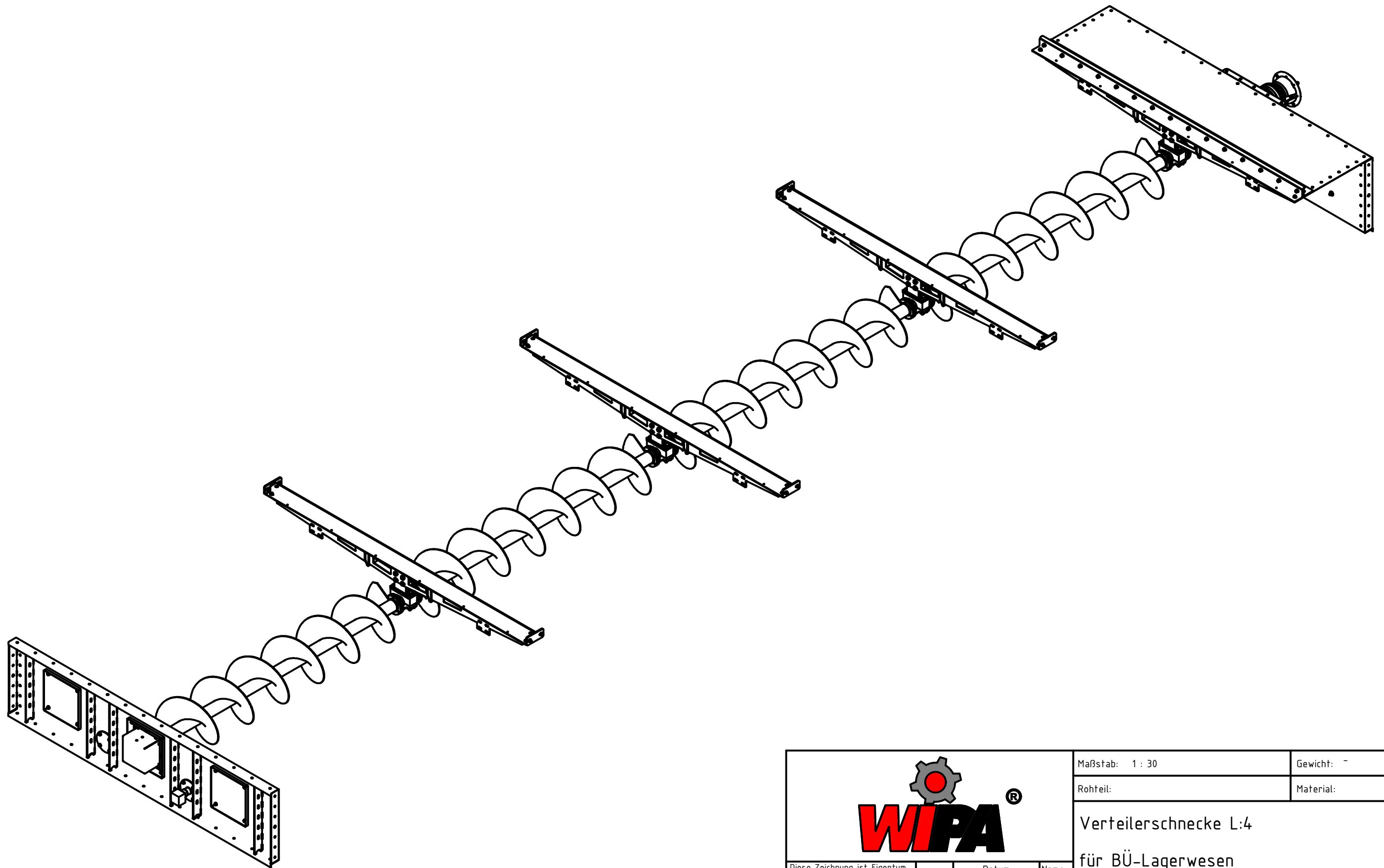



Achtung bei 2. Bunkersilo Austragsrichtung links !!
Rest identisch.

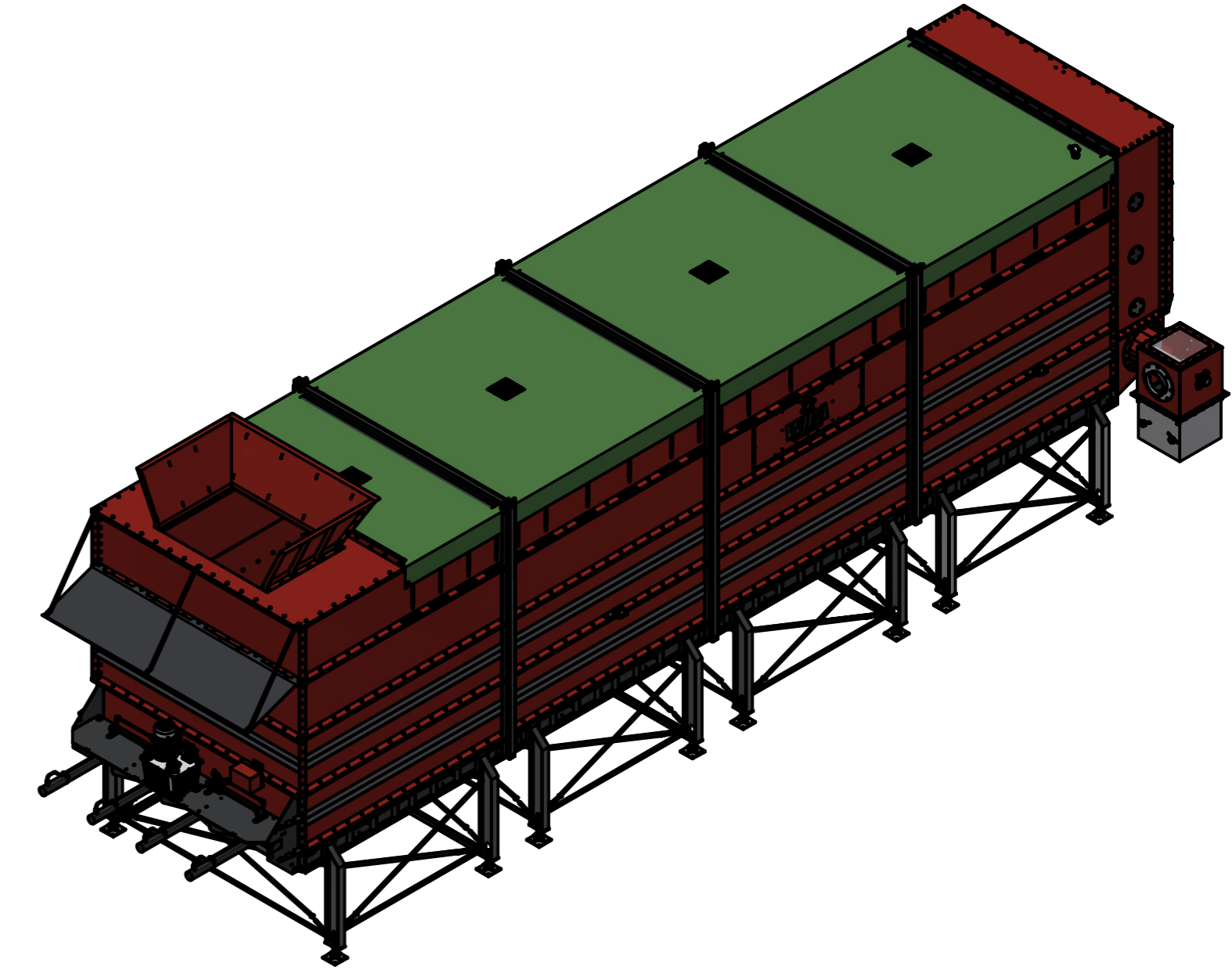
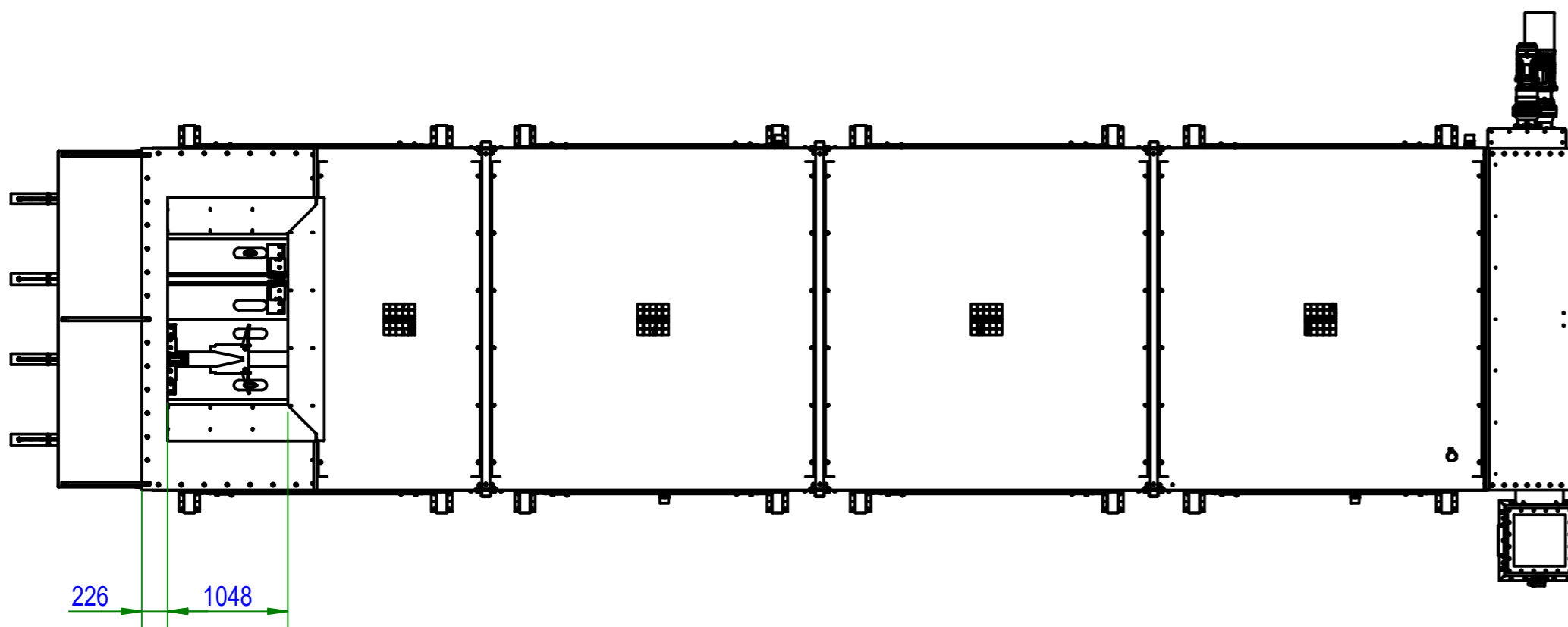
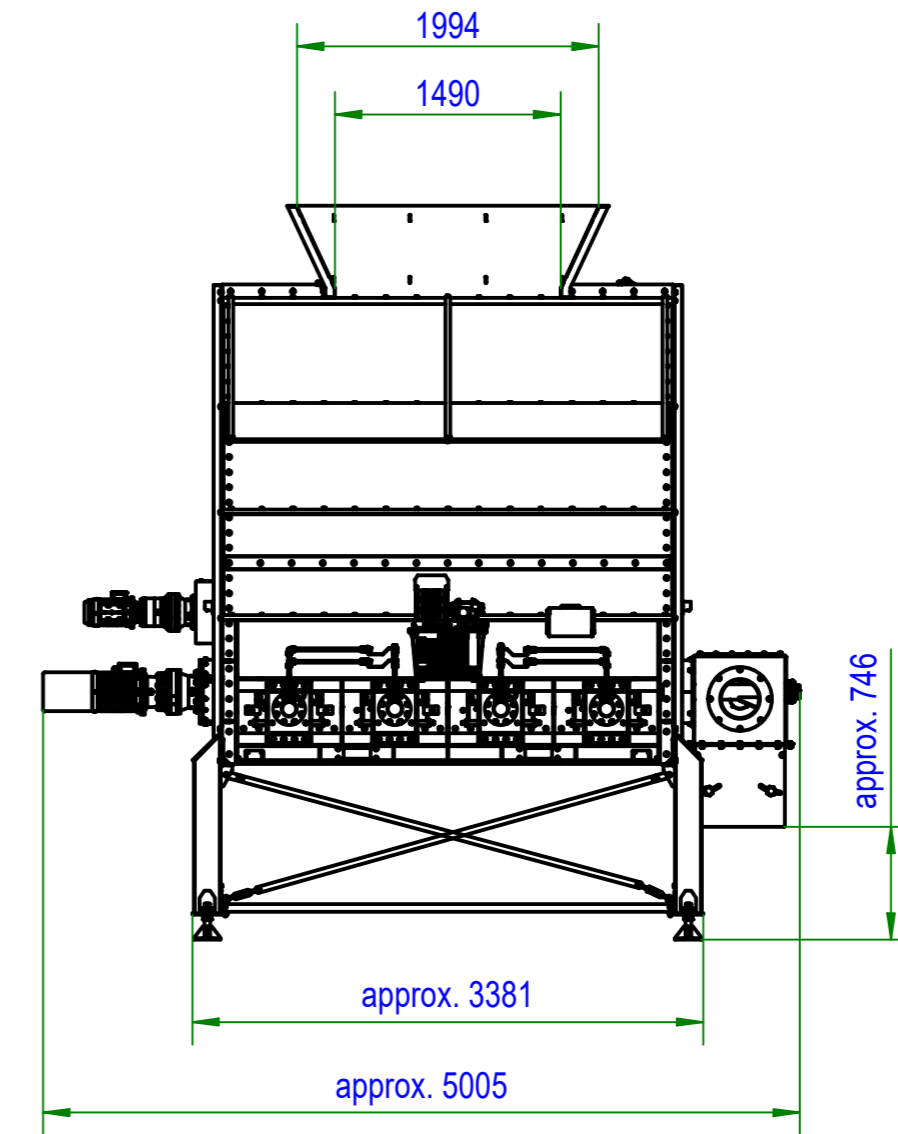
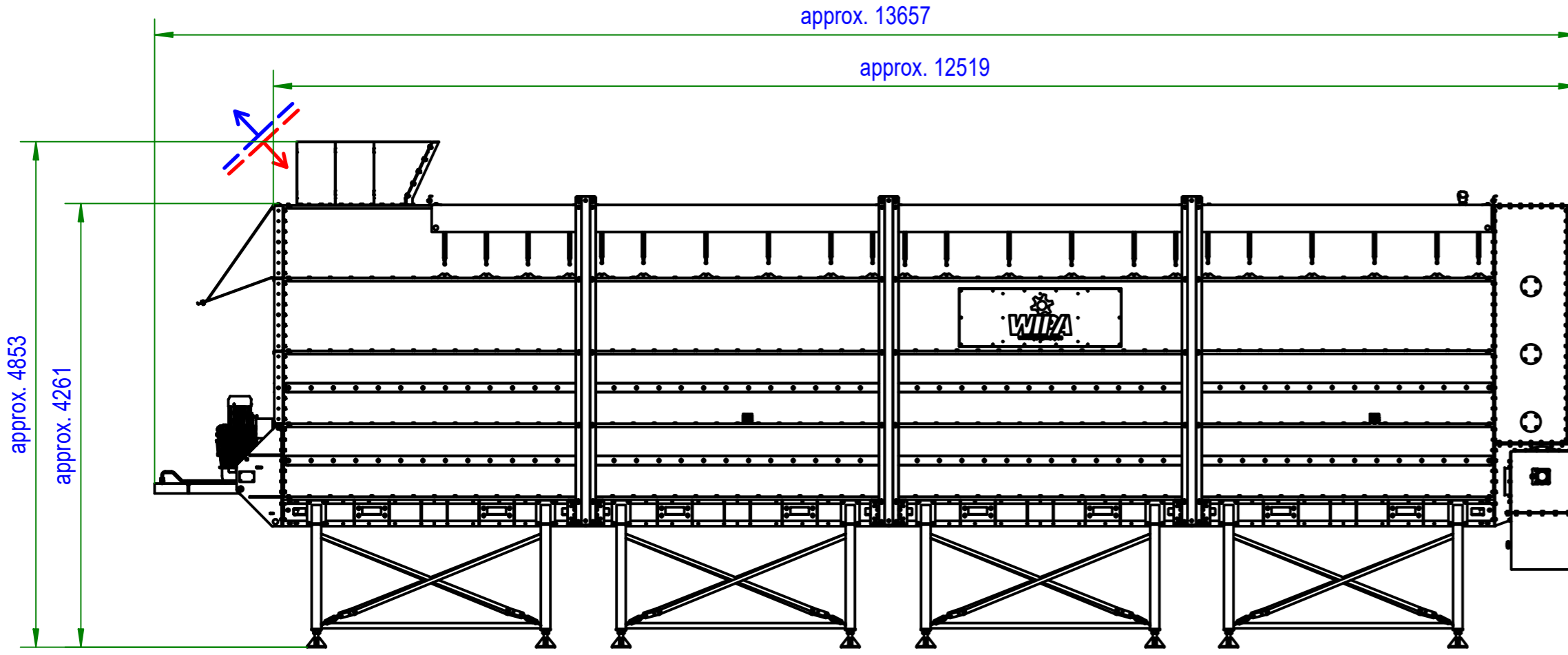
		Diese Zeichnung ist Eigentum der WIPA GmbH, Benzstr. 12, D-48703 Stubbeln 02563 / 20585-0, info@wipa-germany.de (unübersetzt nach DIN ISO 15926-1 (de) DIN ISO 15926-2 (de))		Datum: 16.02.2022 / 16.02.2022 Name: Tg AE-AB-Nummer: Tg Anlagentyp: Bunkersilo	
		Bunkersilo S100 Bunkersilo S100 - Montagezeichnung		Revisionsnummer: Blatt 2/3 A1	



		Diese Zeichnung ist Eigentum der WIPA GmbH, Benzstr. 12, D-48703 Städtchen 02563 / 20585-0, info@wipa-germany.de (Anlasserschrift nach DIN ISO 16016-2 (1))		Datum: 16.02.2022 Name: EHR/JAH	
		Bunkersilo S100 Bunkersilo S100 - Montagezeichnung		AE-, AB-Nummer: Anlagentyp: Bunkersilo	
Revisionsnummer:				Blatt: 3(3) A1	



	Maßstab: 1 : 30		Gewicht: -														
	Rohteil:		Material:														
Verteilerschnecke L:4																	
für BÜ-Lagerwesen																	
Maschinentyp:																	
Projekt:		Zeichnungsnummer:		Blatt: 1(1)													
		08-00-54-20_BG		A3													
Diese Zeichnung ist Eigentum der WIPA® GmbH, Benzstr. 12 D 48703 Stadtho. 02563 / 20585-0 info@wipa-germany.de Urheberrecht nach DIN ISO 16016:2007-12		<table border="1"> <thead> <tr> <th></th> <th>Datum</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>Gez.:3D/2D</td> <td>02.11.2021/04.11.2021</td> <td>TB / JL</td> </tr> <tr> <td>Zul.gesp.:</td> <td>04.11.2021/10:00:48</td> <td>jl</td> </tr> <tr> <td>Zul.geö.:</td> <td>04.11.2021/10:00:18</td> <td>jl</td> </tr> </tbody> </table>		Datum	Name	Gez.:3D/2D	02.11.2021/04.11.2021	TB / JL	Zul.gesp.:	04.11.2021/10:00:48	jl	Zul.geö.:	04.11.2021/10:00:18	jl	Alle untolerierte Maße gemäß DIN ISO 2768-1 (m) DIN ISO 2768-2 (K)		
	Datum	Name															
Gez.:3D/2D	02.11.2021/04.11.2021	TB / JL															
Zul.gesp.:	04.11.2021/10:00:48	jl															
Zul.geö.:	04.11.2021/10:00:18	jl															



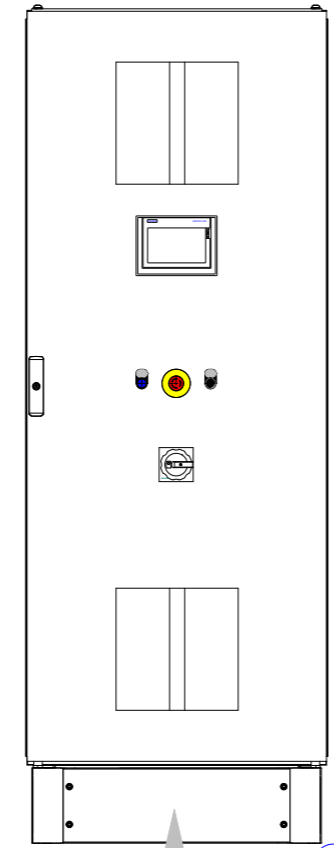
Date, Signature and stamp

interface WiPa
 interface customer

Diese Zeichnung ist Eigentum der WIPA® GmbH, Benzstr. 12 D 48703 Stadthorn 02563 / 20585-0 info@wipa-germany.de Urheberrechtlich geschützt nach DIN ISO 16016:2007-12		Datum	Name	Unverbindliches Layout zur Visualisierung des Anlagenkonzeptes. Darstellung kann vom Angebot und Auftragsinhalt abweichen. Die Weitergabe sowie die Vervielfältigung dieser Zeichnung/-en, Verwertung und Mitteilung seines Inhaltes sind soweit nicht ausdrücklich schriftlich kommuniziert verboten. Zuwiderhandlungen verpflichten zu Schadensersatz. Alle Rechte für den Fall der Patent-, Gebrauchsmuster- oder Geschmacksmustereinträge vorbehalten. This is a non-binding Layout for the graphical representation of the plant concept! The presentation may deviate from the offer and order content. The reproduction, distribution and utilization of the drawings as well as the communication of its contents to others without express written authorization is prohibited. Offenders will be held liable for the payment of damages. All rights reserved in the event of a patent, utility model or design.
		10.09.2018 / 19.10.2021	EM / ME	
Zul.gesp.: 17.11.2021/08:14:15 me Zul.gesp.: 17.11.2021/08:08:04 me		Bunkersilo S100 Layout A374 - 3018		
Alle untolerierbare Maße gemäß DIN ISO 2768-1 (m) DIN ISO 2768-2 (K)		AE-, AB-Nummer: Anlagentyp: Bunkersilo		
			Revisionsnummer:	Blatt: 2(2) A2

DT	Function text	Remark
+MCC1-5054	emergency stop pushbutton 1 silo S100	emergency stop mushroom pushbutton;2NC
+MCC1-5058	emergency stop pushbutton 2 silo S100	emergency stop mushroom pushbutton;2NC
+MCC1-300M3	hydraulic unit silo S100	7,5kW;YD;AC 400V;
+MCC1-310M3	spreading screw silo S100	7,5kW;YD;AC 400V;
+MCC1-315M3	opening roller silo S100	1,5kW;direct;AC 400V;
+MCC1-323M1	discharge screw silo S100	7,5kW;fc;AC 400V;
+MCC1-324M3	forced blower discharge screw silo S100	0,09kW;direct;AC 400V;
+BS1		
+BS1-5B5	rotation monitoring opening roller 1 silo S100	inductive proximity switch;DC 0V%;1NO
+BS1-5B6	rotation monitoring discharge screw 1 silo S100	inductive proximity switch;DC 0V%;1NO
+BS1-5B7	rotation monitoring spreading screw silo S100	inductive proximity switch;DC 0V%;1NO
+BS1-5S1	fill level silo input (rotation paddle)	rotary vane level indicator;24V DC
+BS1-5S2	fill level silo output (rotation paddle)	rotary vane level indicator;24V DC
+BS1-5S3	oil filter monitoring hydraulic unit silo	filter monitoring;24V DC..250V AC
+BS1-5S9	overflowing material discharge silo	Membrane level indicator;24V DC..250V AC
+BS1-6B1	position sensor cylinder 1 retracted	inductive proximity switch;DC 0V%;1NO
+BS1-6B2	position sensor cylinder 1 advanced	inductive proximity switch;DC 0V%;1NO
+BS1-6B3	position sensor cylinder 2 retracted	inductive proximity switch;DC 0V%;1NO
+BS1-6B5	position sensor cylinder 2 advanced	inductive proximity switch;DC 0V%;1NO
+BS1-6B6	position sensor cylinder 3 retracted	inductive proximity switch;DC 0V%;1NO
+BS1-6B7	position sensor cylinder 3 advanced	inductive proximity switch;DC 0V%;1NO
+BS1-6B8	position sensor cylinder 4 retracted	inductive proximity switch;DC 0V%;1NO
+BS1-6B9	position sensor cylinder 4 advanced	inductive proximity switch;DC 0V%;1NO
+BS1-8B2	oil-level/-temperature hydraulic unit silo S100	level- and temperature sensor;DC 0V%;IO-Link
+BS1-8B4	actual value oil-pressure hydraulic unit silo S100	pressure sensor;DC 18...30V;IO-Link
+BS1-9B2	actual value level material input silo S100	radar sensor;DC 0V%;4-20mA;
+BS1-9B4	actual value level material output silo S100	radar sensor;DC 0V%;4-20mA;
+BS1-9B6	actual value level hopper material output silo S100	radar sensor;DC 0V%;4-20mA;
+BS1-11M2	silo S100 main valve hydraulic unit	solenoid valve;DC 0V%;26,5W
+BS1-12M2	silo S100 push floor 1 forward	solenoid valve;DC 0V%;26,5W
+BS1-12M3	silo S100 push floor 1 backward	solenoid valve;DC 0V%;26,5W
+BS1-12M4	silo S100 push floor 2 forward	solenoid valve;DC 0V%;26,5W
+BS1-12M5	silo S100 push floor 2 backward	solenoid valve;DC 0V%;26,5W
+BS1-13M2	silo S100 push floor 3 forward	solenoid valve;DC 0V%;26,5W
+BS1-13M3	silo S100 push floor 3 backward	solenoid valve;DC 0V%;26,5W
+BS1-13M4	silo S100 push floor 4 forward	solenoid valve;DC 0V%;26,5W
+BS1-13M5	silo S100 push floor 4 backward	solenoid valve;DC 0V%;26,5W

=PD1+MCC1
 cabinet dimensions (WxHxD):
 800mm x 2200mm x 600mm



machine marking
7460 - main control cabinet
5124 - silo S100

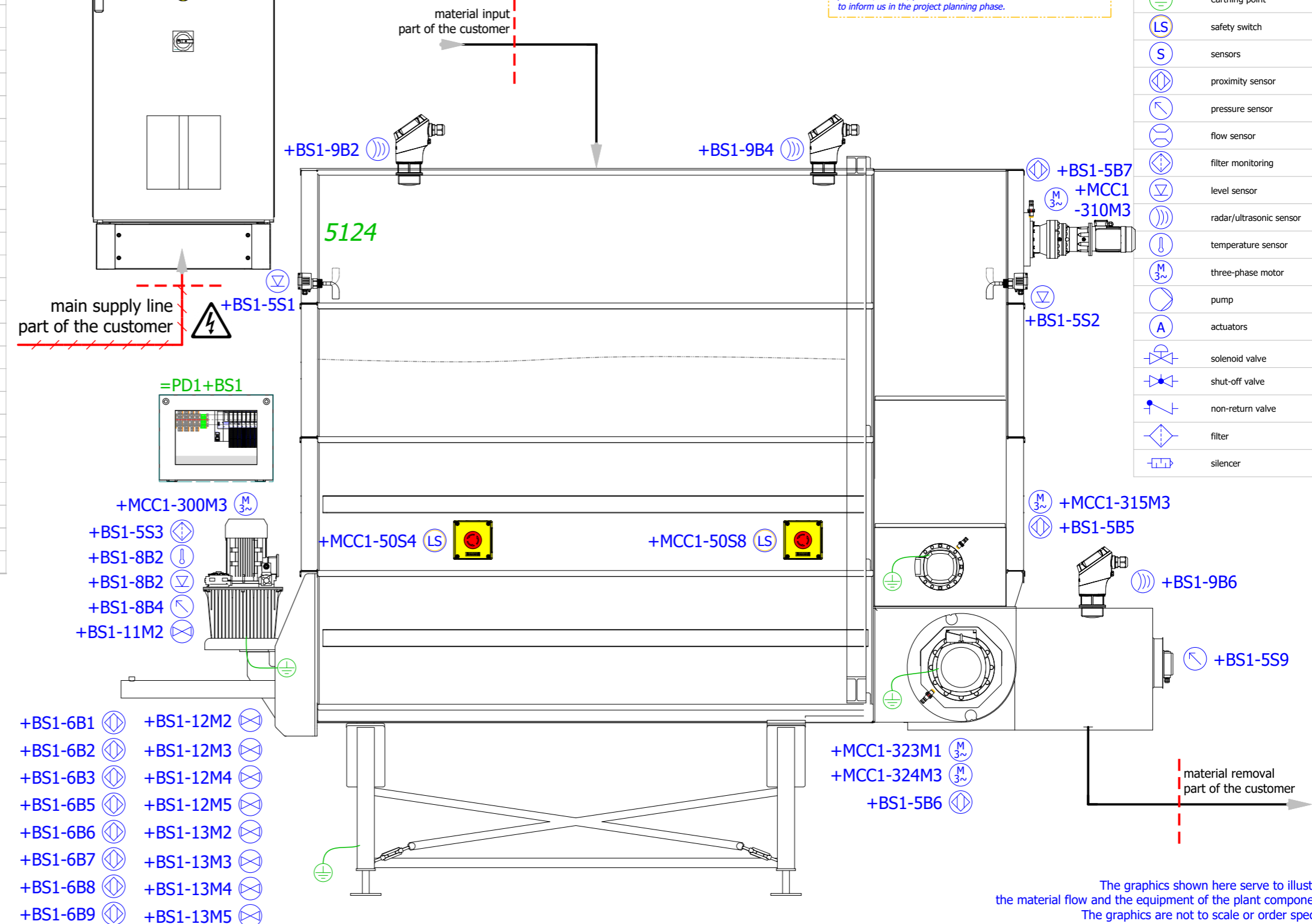
electrical location marking
=PD1+MCC1 - main control cabinet
=PD1+BS1 - silo S100

input product:
##
throughput:
up to approx. 3700kg/h

Power supply main cabinet
3x 400V AC/50Hz+N+PE
approx 40 kVA (without reserve)
special features

Legend:	
	material flow
	fresh water
	treated water
	process water
	waste water
	cooling water flow
	cooling water return flow
	compressed air
	exhaust air
	earthing point
	safety switch
	sensors
	proximity sensor
	pressure sensor
	flow sensor
	filter monitoring
	level sensor
	radar/ultrasonic sensor
	temperature sensor
	three-phase motor
	pump
	actuators
	solenoid valve
	shut-off valve
	non-return valve
	filter
	silencer

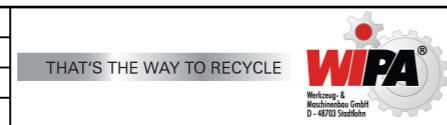
safety technology
 All (hazardous) actuators - Motors and solenoid valves are stopped immediately after pressing the emergency stop button.
 -> If a shutdown should occur in any respect problems/hazards, please do so, to inform us in the project planning phase.



- +MCC1-300M3
- +BS1-5S3
- +BS1-8B2
- +BS1-8B4
- +BS1-11M2
- +BS1-6B1
- +BS1-6B2
- +BS1-6B3
- +BS1-6B5
- +BS1-6B6
- +BS1-6B7
- +BS1-6B8
- +BS1-6B9
- +BS1-12M2
- +BS1-12M3
- +BS1-12M4
- +BS1-12M5
- +BS1-13M2
- +BS1-13M3
- +BS1-13M4
- +BS1-13M5

The graphics shown here serve to illustrate the material flow and the equipment of the plant components. The graphics are not to scale or order specific. Changes are reserved.

place, date	stamp, signature customer
Date 03.12.2021	Ed. by de
Appr	
Modification	Date Name Original



Omni Polymers AB
 Eastmansvägen 23
 113 61 Stockholm
 Schweden

material flow diagram
 -
 entire plant

A374 - Omni Polymers

=PD1	
+	
&EFB	flow diagram Page 1
#MFD	material flow diagram from