

# SIEMENS

## Hornsea 01 220kV Offshore GIS HOW01Z11

### Transport separations for HV GIS shipping

Z11AAD&CPA001



20.09.2016	As Built	
Revision	Status	
<b>DONG</b> <b>energy</b>	<b>Transport separations for HV GIS shipping</b> <b>Z11AAD&amp;CPA001</b>  Cover sheet for doc.: HZ_440-11846_How11	
	Project. no. 54PO-01747	No. of pages 12

Feld Bay

= AAD04WA001      = AAD03WA001      = AAD02WA001      = AAD01WA001

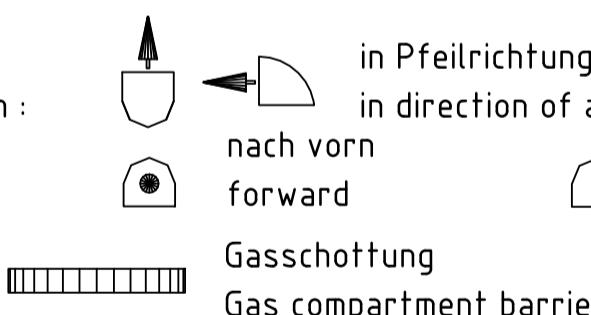
Vormontage / Beipack  
subassembly / equipment pack

VBG-Nr.	BMK
8001	01WA001-BA001/QB004 01WA001-FA001/QB003 02WA001-FA001/QB003 03WA001-BA001/QB004 03WA001-FA001/QB003 04WA001-FA001/QB003
9003	01WA001-XB001.L2 02WA001-XB001.L2 03WA001-XB001.L2 04WA001-XB001.L2
9005	01WA001-U.101 01WA001-U.102 02WA001-U.101 02WA001-U.102 03WA001-U.101 03WA001-U.102 04WA001-U.101 04WA001-U.102
9006	01WA001-FA001/QB003 03WA001-FA001/QB003
9021	01-W6 01-W7 01-XB001.L1,L3 01-XB002.L2 02-XB001.L1,L3 02-XB002.L2 03-XB001.L1,L3 03-XB002.L2 04-XB001.L1,L3 04-XB002.L2
9022	01-QC001.L2 01-QC002.L2 02-QC001.L2 03-QC001.L2 03-QC002.L2 04-QC001.L2
9023	01-QB001.L2 01-QB002.L2 01-QB005.L2 02-QB001.L2 03-QB001.L2 03-QB002.L2

### Bemerkungen Remarks:

Anlagenbeipack siehe VBG 9xxx gemäß HSA.  
Auxiliary pack s. shipping unit 9xxx according to BOM

Ausblasrichtung:  
Exhaust direction :    



Trennstelle für Versand

Alle dichten ■■■■■ bzw. durchlässigen □ Durchführungen gekennzeichnet mit Klebefolie  
Diverse Klebefolien nicht dargestellt.  
Alle im Innenraum liegenden Durchführungen werden im SWH gekennzeichnet.  
Alle in Freiluft liegenden Durchführungen und die dichten Durchführungen des Spannungswandlers werden auf der Baustelle gekennzeichnet.

Section-point for dispatch



All impermeable ■■■■■ and permeable □□□ bushings are labelled with adhesive film.  
Other adhesive films are not shown.  
All indoor bushings are labelled in the factory.  
All outdoor bushings and impermeable bushings of voltage transformers are labelled.

Restricted © Siemens AG,  
Transmittal, reproduction, dissemination and/or editing of this document  
as well as utilization of its contents and communication thereof to others  
without express authorization are prohibited. Offenders will be held liable  
for payment of damages. All rights created by patent grant or registration  
of a utility model or design patent are reserved.

Intern © Siemens AG,  
Weitergabe sowie Vervielfältigung, Verbreitung und/oder Bearbeitung dieses  
Dokumentes, Verwertung und Mitteilung seines Inhaltes sind verboten,  
soweit nicht ausdrücklich gestattet. Zu widerhandlungen verpflichten

**BMK** BMK= Betriebsmittelkennzeichen der Hauptbaugruppen  
BMK BMK= Item designation of main assemblies

VBG VBG= Versandbaugruppe gemäß HSA  
VBG= Shipping assemblies according to BOM

KBMK= Kundenbezeichnungen für Kennzeichen der Hauptbaugruppen  
KBMK = KBMK - Customer item designation of main assemblies

**VBG** VBG= Versandbaugruppe gemäß HSA  
VBG= Shipping assemblies according to BOM

$n \times m$  [g] = Anzahl Beutel x Beutelgröße

Filter  $n \times m [g] = \text{bag count} \times \text{bag size}$   
 $n \times m [q]$

VBG - Shipping assemblies according to ROM

A black icon consisting of a circle with a crosshair inside, similar to a target symbol.

Schwerpunkt  
center of gravity

Leistungsschild an der Steuerschranktür oder vorhandenen Schildträger anbringen  
Name plate is to be attached to the control cabinet door or on the plate holder

SF6-Gasdruckschild an Steuerschranktür (Innenseite) oder an vorhandenen Schildträger anbringen

Attach SF<sub>6</sub> gas pressure plate on the control cabinet door (inside) or on the plate holder

SF6-Umweltschild an Antriebsschrank-Innenseite anbringen  
Attach SF6 environmental shield on the inside of the operating mechanism cubicle

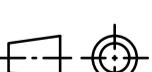
Betriebsmittelkennzeichen fuer Druck- und Temperatursensoren sowie Dichtewaechter bei der Feldverdrahtung nach Schaltbuchangaben, HD-Tabelle und Singleline-Diagramm auf Etiketten drucken und mittig auf Anschlusskasten bzw. Sensorgehaeuse kleben  
Print item designation for pressure and temperature sensors as well as density monitoring of the dedicated low voltage wiring according to circuit manual instructions, HD tables and single line diagrams on labels and stick them in the centre of the terminal box and/or sensor housing

Die fuer den Versand benoetigten Anbauteile (nicht dargestellt) sind dem Verpackungsanbau zu entnehmen - 1HG 459-20248

The attachment parts (not displayed) required for transportation will be with the above mentioned 41HC-145-000/0.

Oberflächen- und Korrosionsschutz Innenraum (gem. AA805) IR : Innenraum Spezial  
Surface and corrosion protection indoor (acc. AA805) ID : Indoor Special (surcharge)

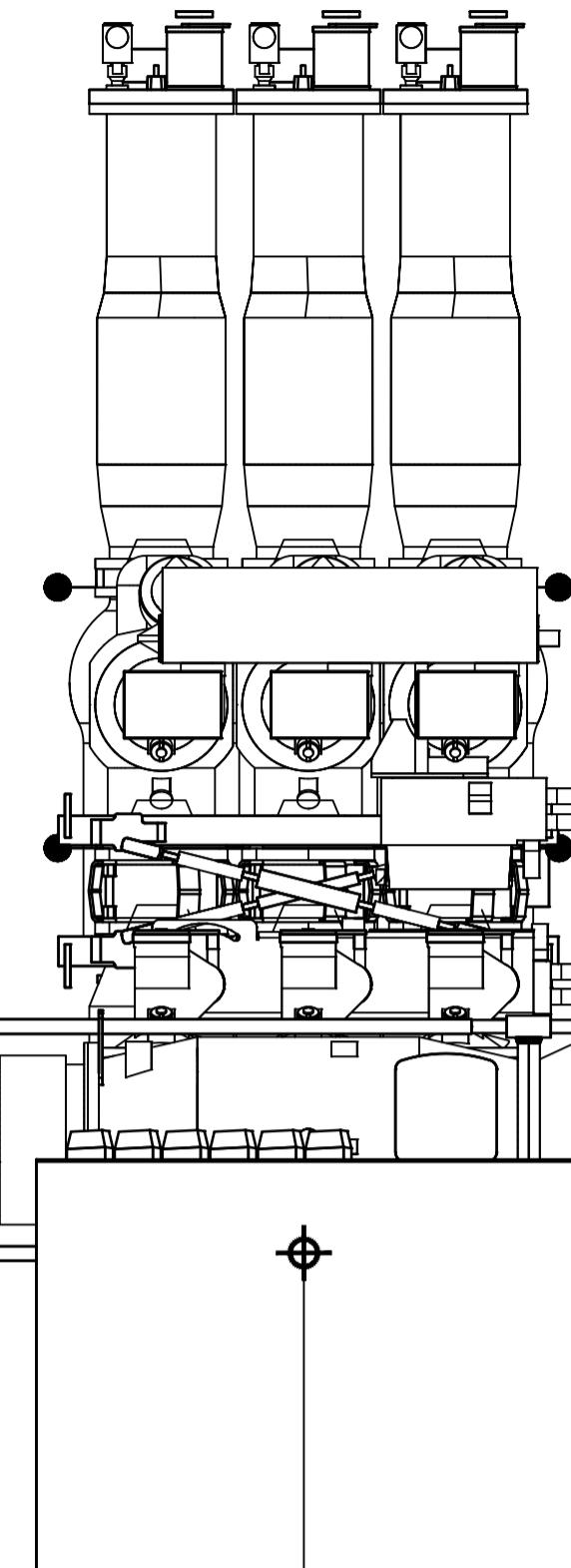
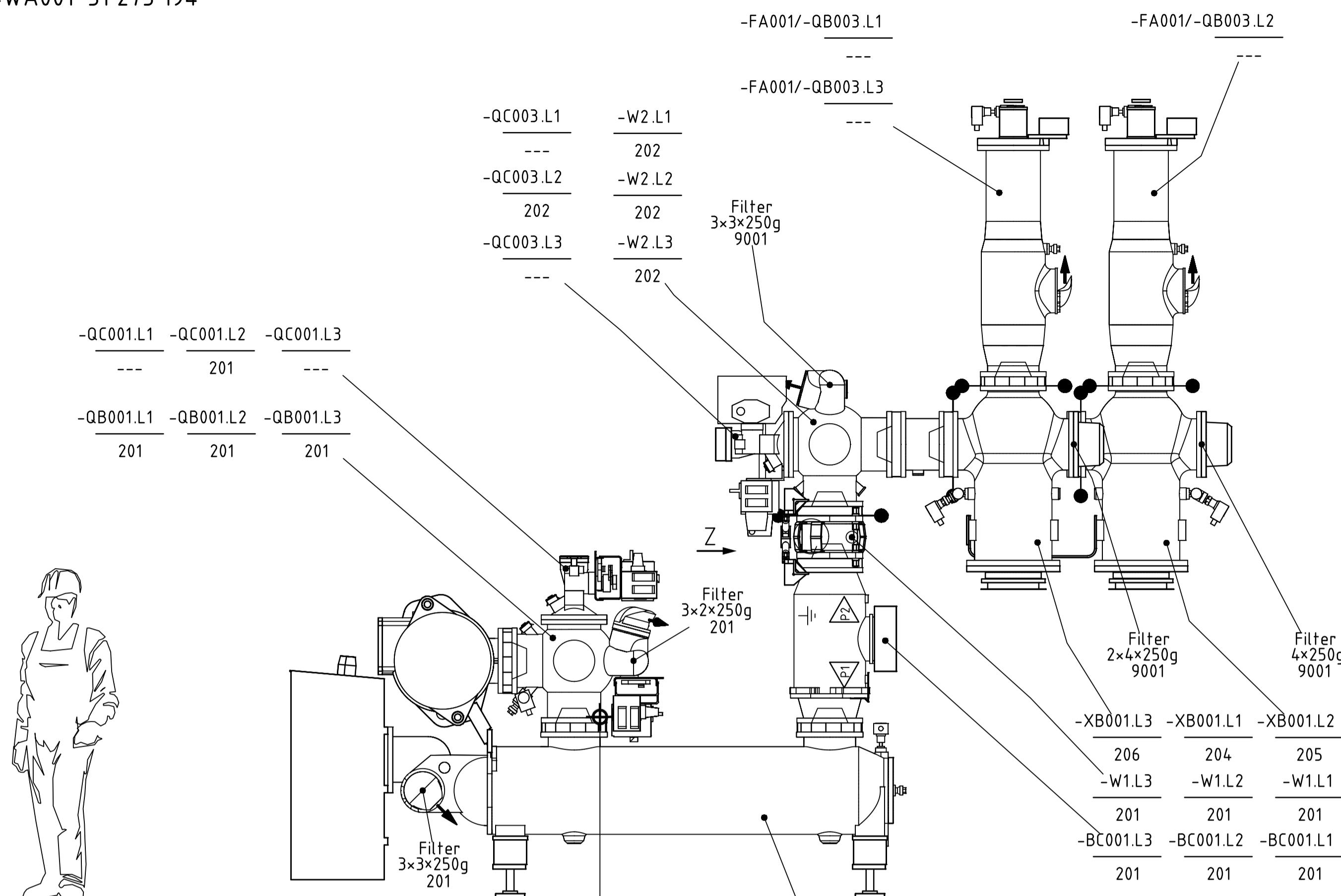
Fehlende Angaben und Bemerkungen siehe Bl.  
For missing data and notes see sheet

For missing data and notes see sheet											
-	-	-						-	-		
-	-	-						-	-		
		Version		Description				ME	Pos. Nr.	Format and Type	Article-Code
		Rev.	Remarks								Date
		Creation		Status Quo	Scale in Original	1:20		PrimTech-Drawing			
					Surface						
		20.09.2016	Date								
		S. Fieseler	Editor								
		ISO 2768-1 c		S. Fieseler	Appr.		<b>Schalteinheit</b> <b>switchgear</b> f.Type 8DN9/029598 Type Lot B_Hornsea Off-Shore 220kV-HOW11				
-entfaellt	Comp.			-entfaellt							
-entfaellt	Plan.			-entfaellt							
-entfaellt	Norm			-entfaellt							
				1HZ	440	11846				1 +	M
		Format/Type	Prod.-Nr.	Ser.Nr.				Sheet	Status		
		Surrogate	000-00000 x					Placed by	000-00000 x		
12	13	14	15	16							

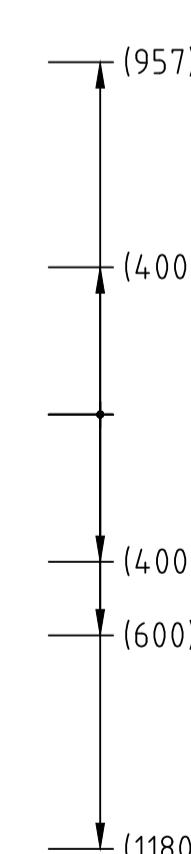
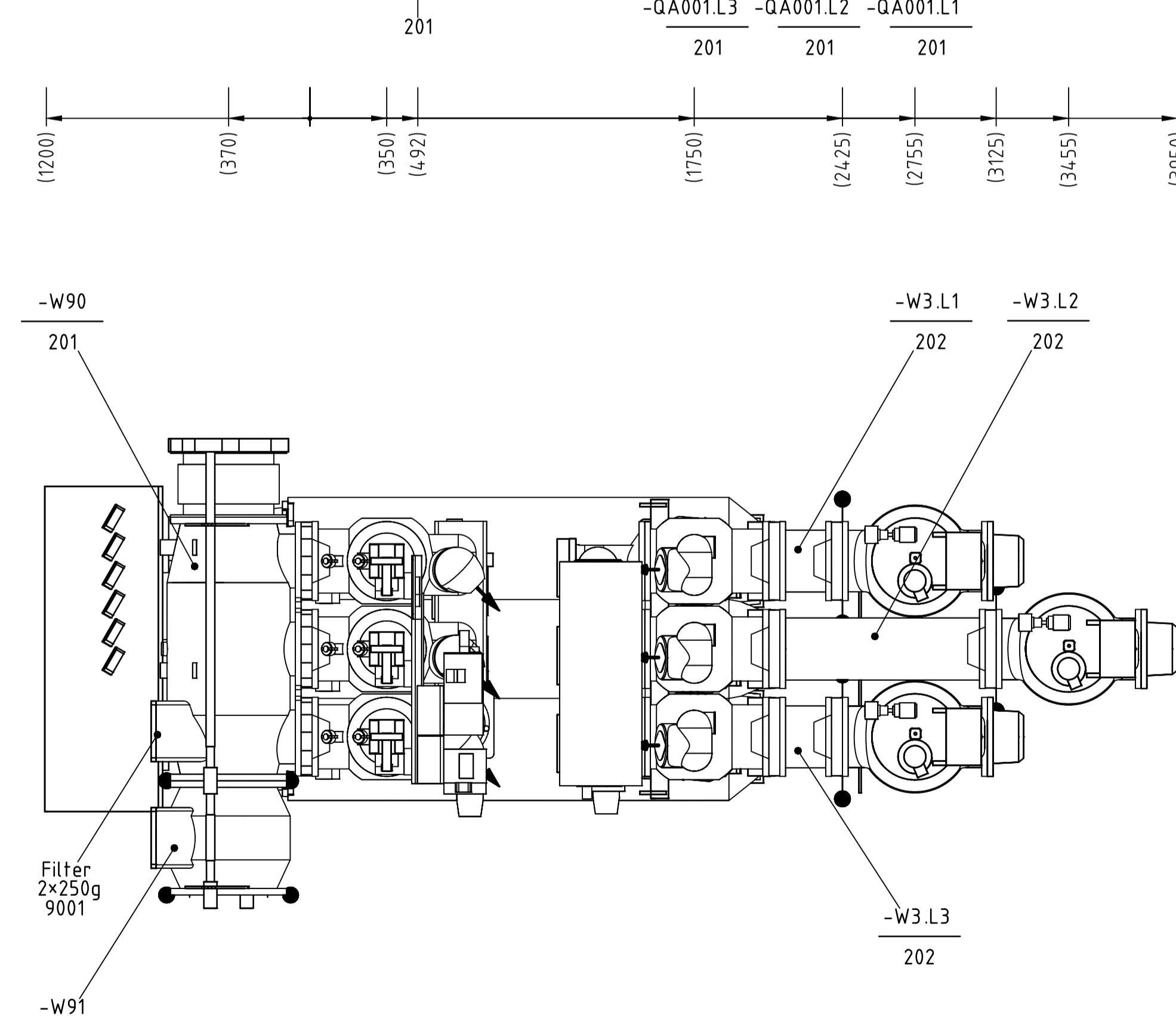
Feld  
Bay AAD04WA001 31 273 194

---

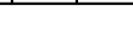
1



Z 1:10



Fehlende Angaben und Bemerkungen siehe Bl.  
For missing data and notes see sheet

-	-	-				-	-	-	-				
-	-	-				-	-	-	-				
		Version		Description				ME	Pos. Nr.				
						Format and Type		Article-Code					
		Rev.	Remarks										
		Creation		Status Quo		Scale in Original 1:20		PrimTech-Drawing					
ISO 2768-1 c		20.09.2016	Date	S. Fieseler	Editor	Surface							
		S. Fieseler	Appr.	-entfaellt	Comp.	Schalteinheit							
		-entfaellt		-entfaellt	Plan.	switchgear							
		-entfaellt		-entfaellt	Norm	f.Type 8DN9/029598							
		-entfaellt		-entfaellt		Type Lot B_Hornsea Off-Shore 220kV-HOW11							
<b>SIEMENS</b> Energy Management Division		1HZ		440		11846		2 +					
		Format/Type		Prod.-Nr.		Ser.Nr.		Sheet					
		Surrogate 000-00000 x		Placed by 000-00000 x									

AAD04WA001

Type Lot B Hornsea Off-Shore 220kV-HOW11

Type Lot B\_Hornsea Off-Shore ZZURV-HOWT

2 + M

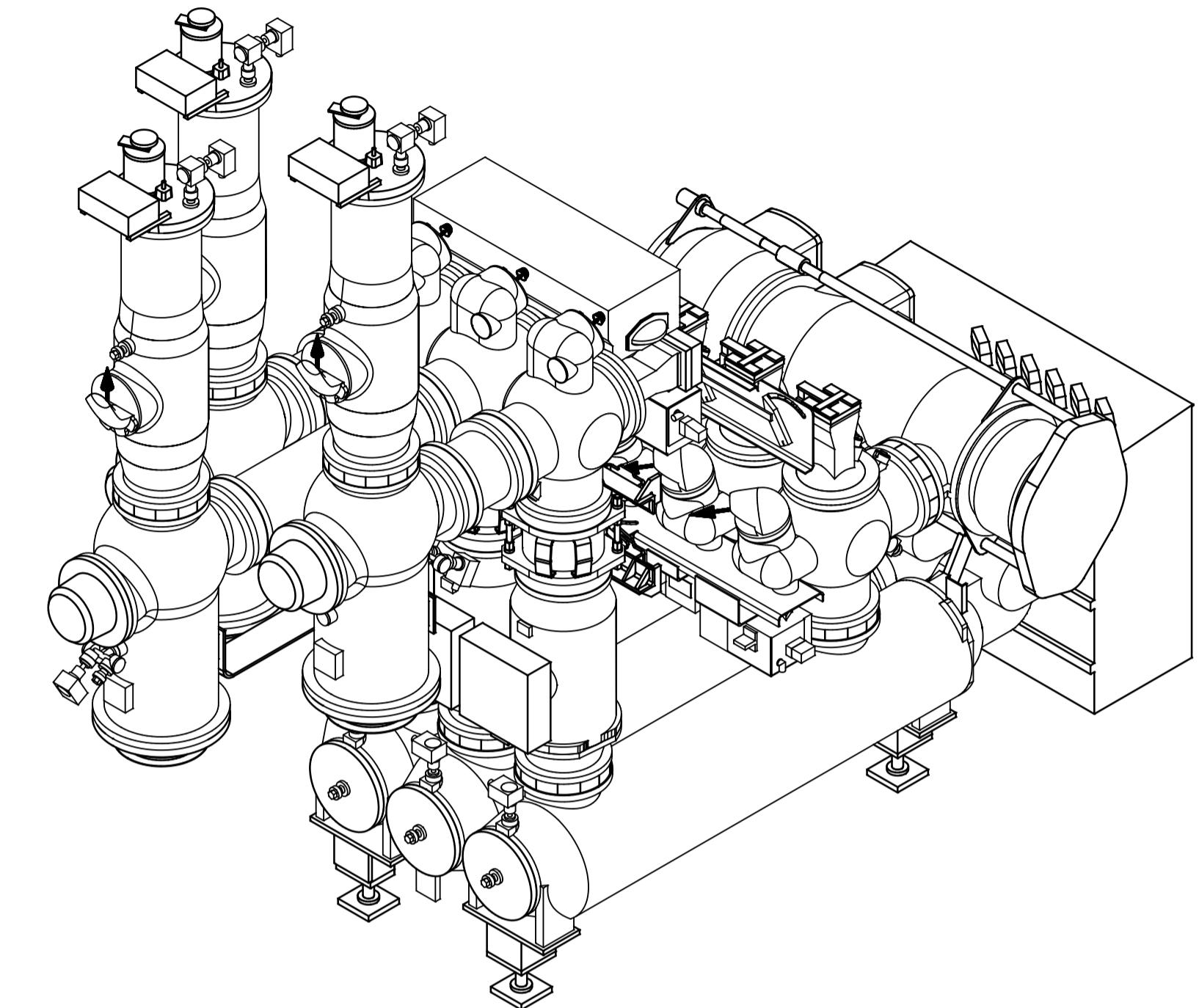
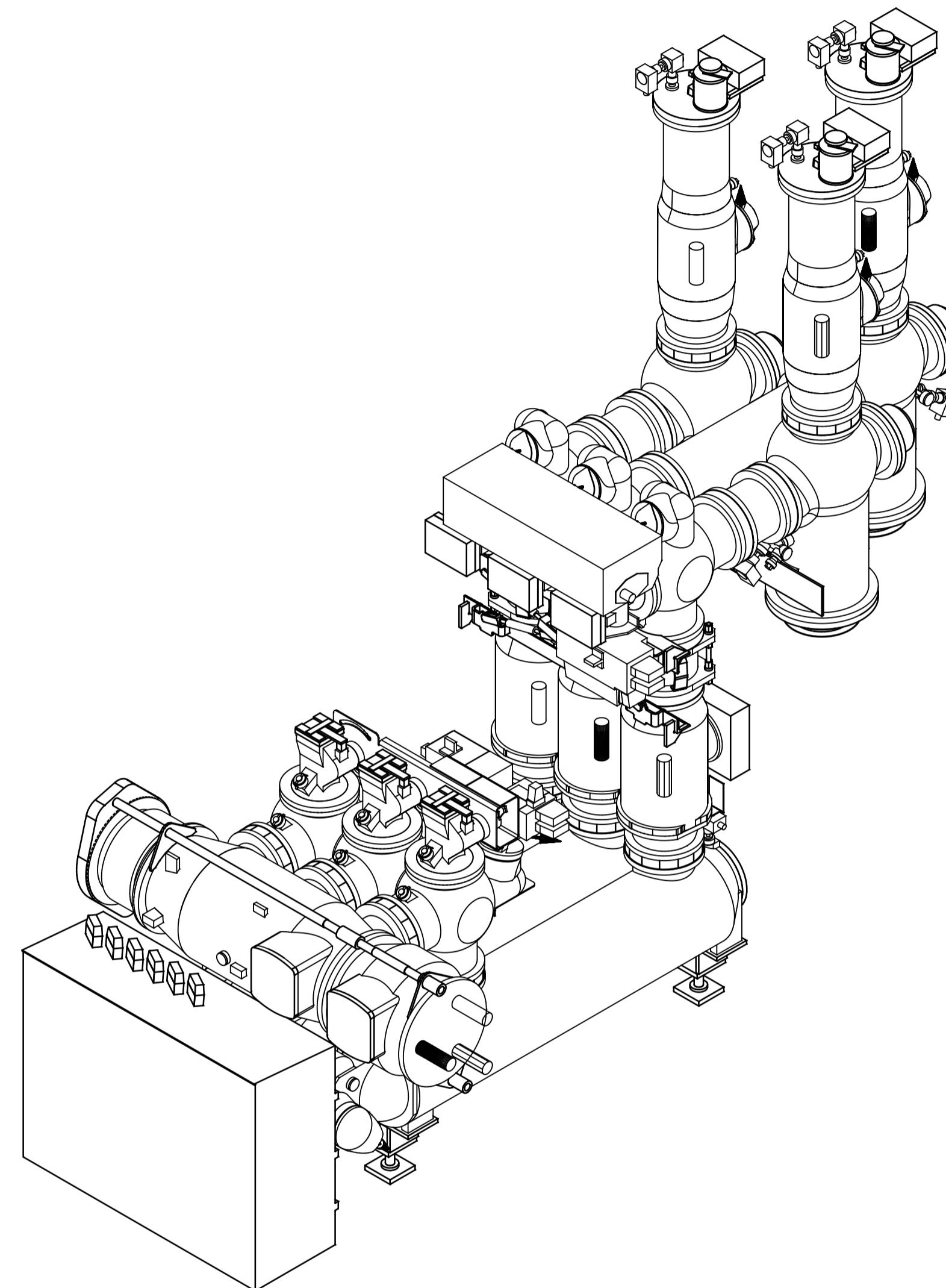
Sheet Status

16

Z11AAD&CPA001

AKZ: AU: P-015055 B  
Intern © Siemens AG,  
Weitergabe sowie Vervielfältigung, Verbreitung und/oder Bearbeitung dieses Dokumentes, Verwertung und Mitteilung seines Inhaltes sind verboten, soweit nicht ausdrücklich gestattet. Zu widerhandlungen verpflichten zu Schadenersatz. Alle Rechte für den Fall der Patenterteilung,

Feld  
Bay AAD04WA001 31 273 194



Fehlende Angaben und Bemerkungen siehe Bl.  
For missing data and notes see sheet

## Phasenzuordnung Phase assignment

= L3

= L2

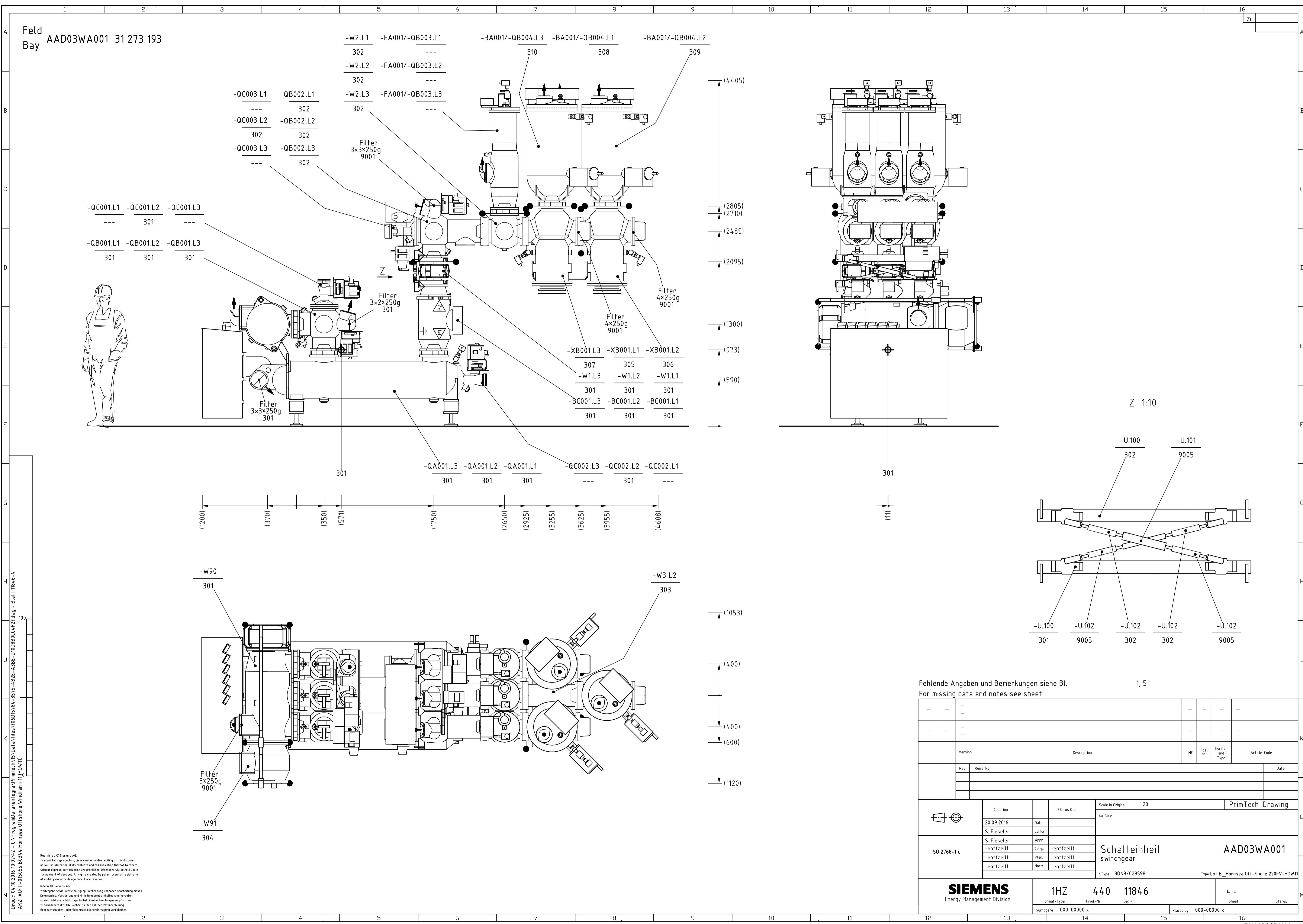
= L1

11

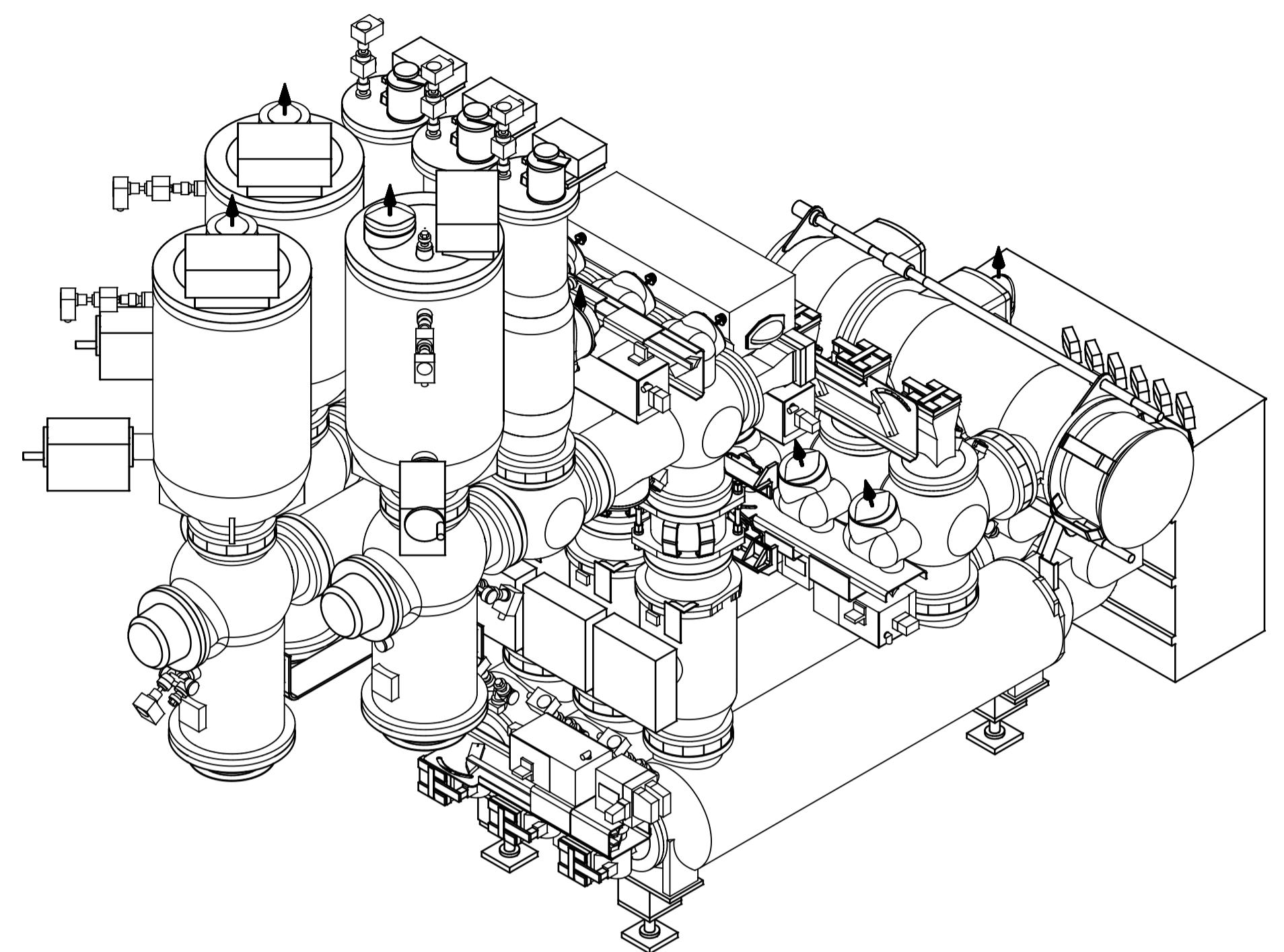
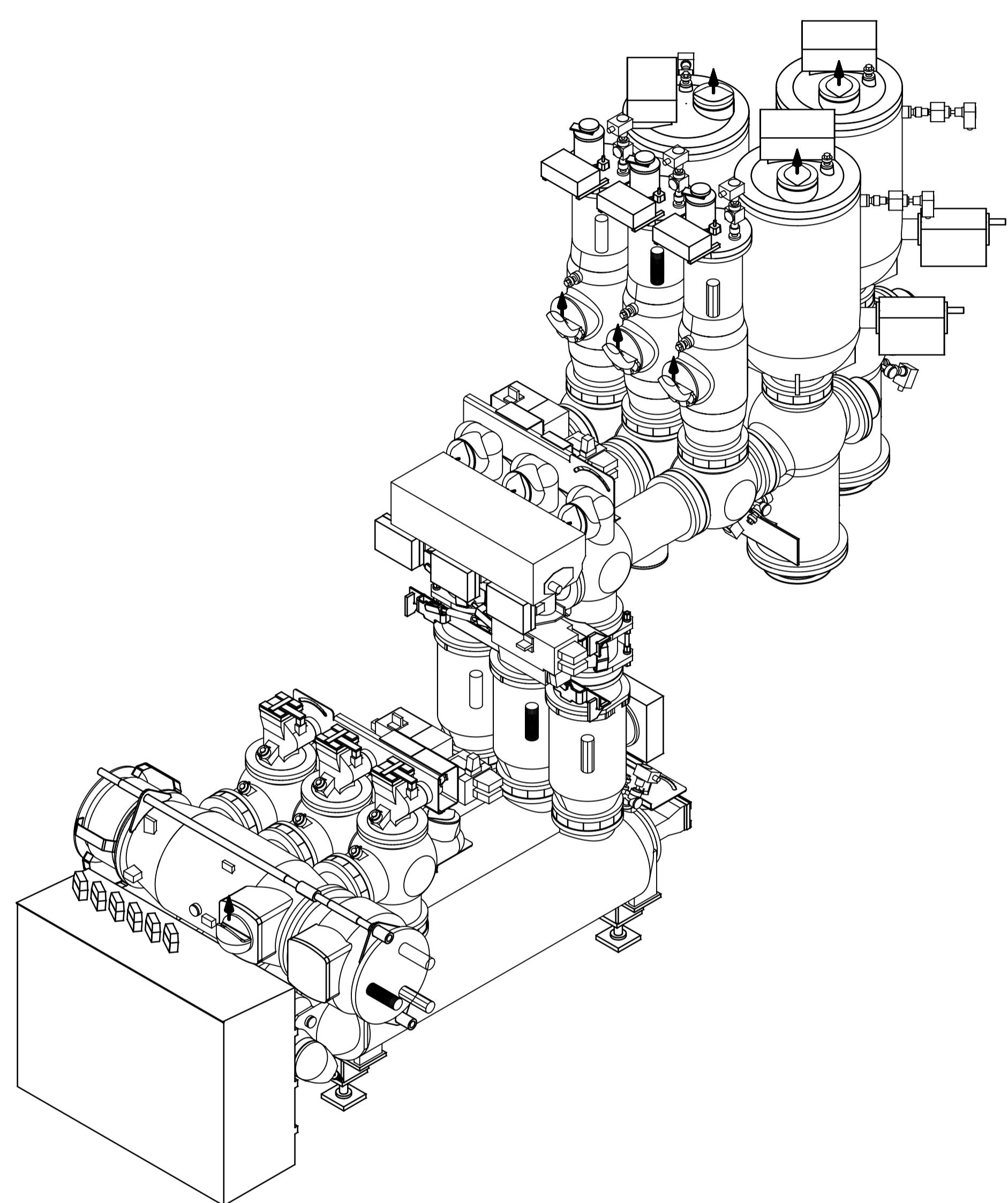
**SIEMENS**  
Energy Management Division

**1HZ 440 11846**

3 +  
Sheet Status



Feld Bay AAD03WA001 31 273 193



Fehlende Angaben und Bemerkungen siehe Bl.  
For missing data and notes see sheet

For missing data and notes see sheet											
-	-	-						-	-	-	
-	-	-						-	-	-	
		Version		Description				ME	Pos. Nr.	Format and Type	Article-Code
		Rev.	Remarks								Date
 ISO 2768-1c		Creation		Status Quo		Scale in Original		1.20		PrimTech-Drawing	
		20.09.2016	Date			Surface					
 Energy Management Division		<b>1HZ</b> Format/Type		<b>440</b> Prod.-Nr.		<b>11846</b> Ser.Nr.		<b>5 +</b> Sheet		AAD03WA001 Type Lot B_Hornsea Off-Shore 220kV-HOW11	
		Surrogate 000-00000 x						Placed by 000-00000 x			
11	12	13	14	15	16						

Phasenzuordnung  
Phase assignment

	= L3
	= L2
	= L1

# Phasenzuordnung Phase assignment

= L3

= L2

1, 4

inheit AAD03WA001

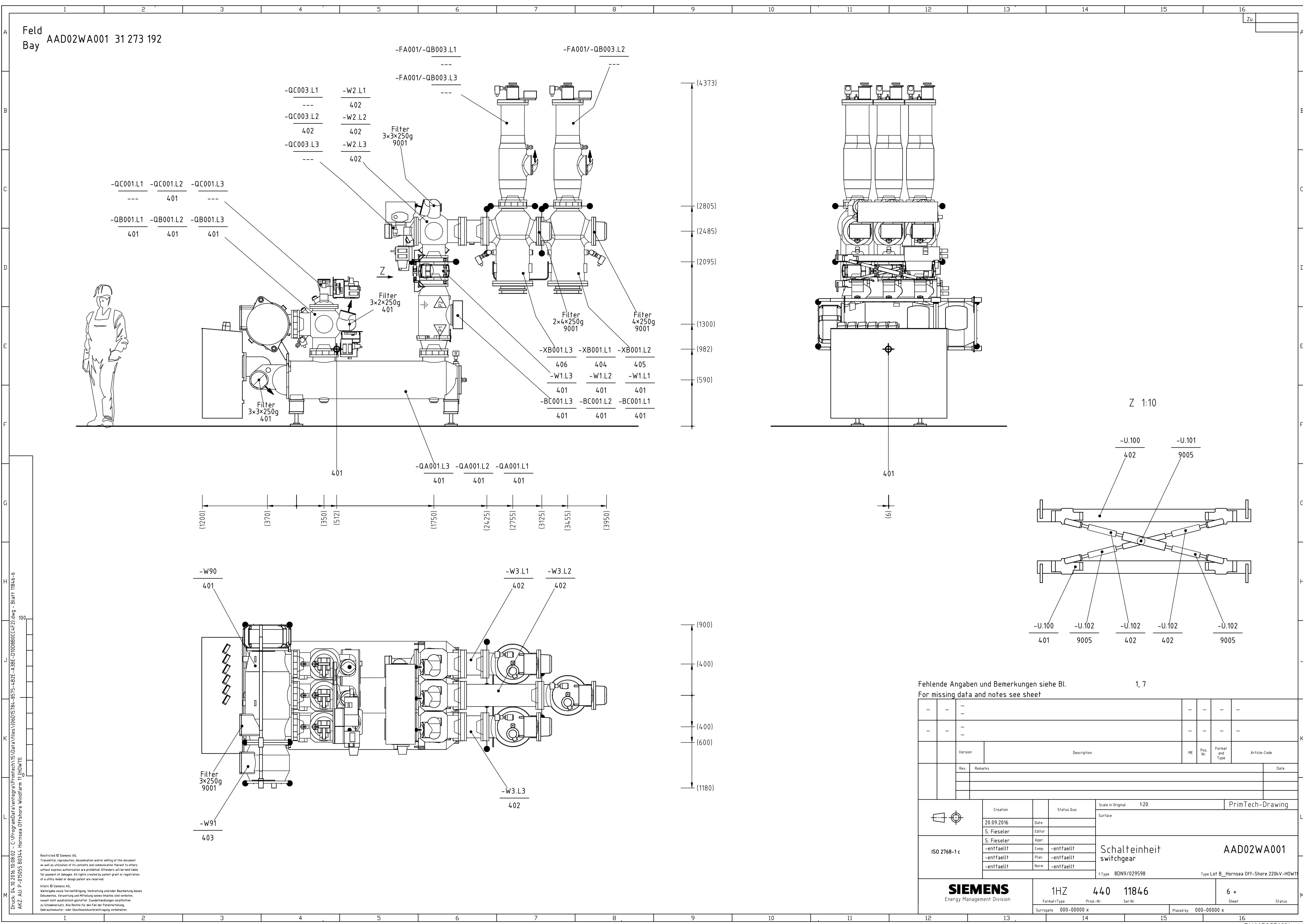
**SIEMENS**  
Energy Management Division

1HZ 440 11846

Type Lot B\_Hornsea Off-Shore ZZ00KV-HOWII

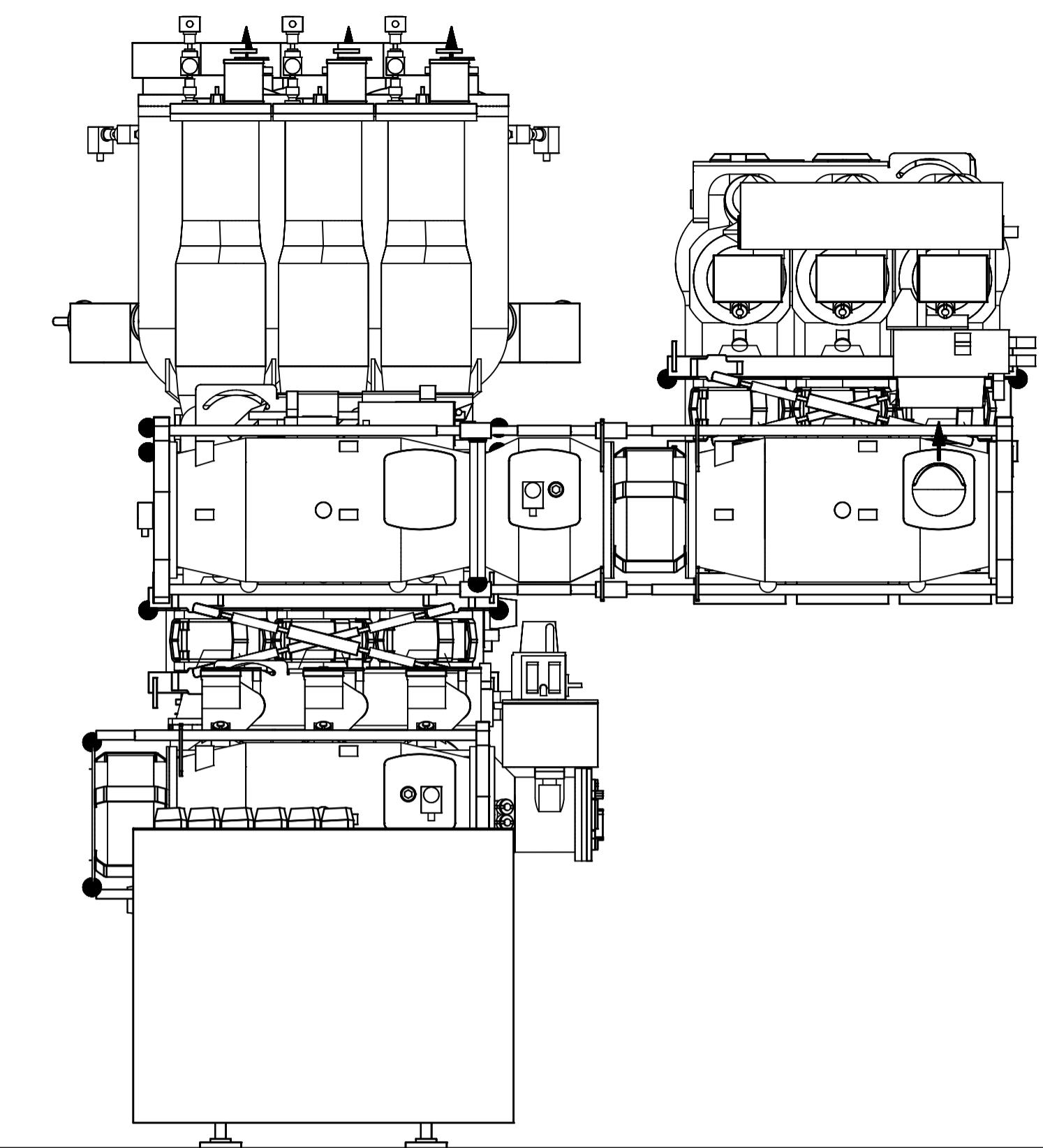
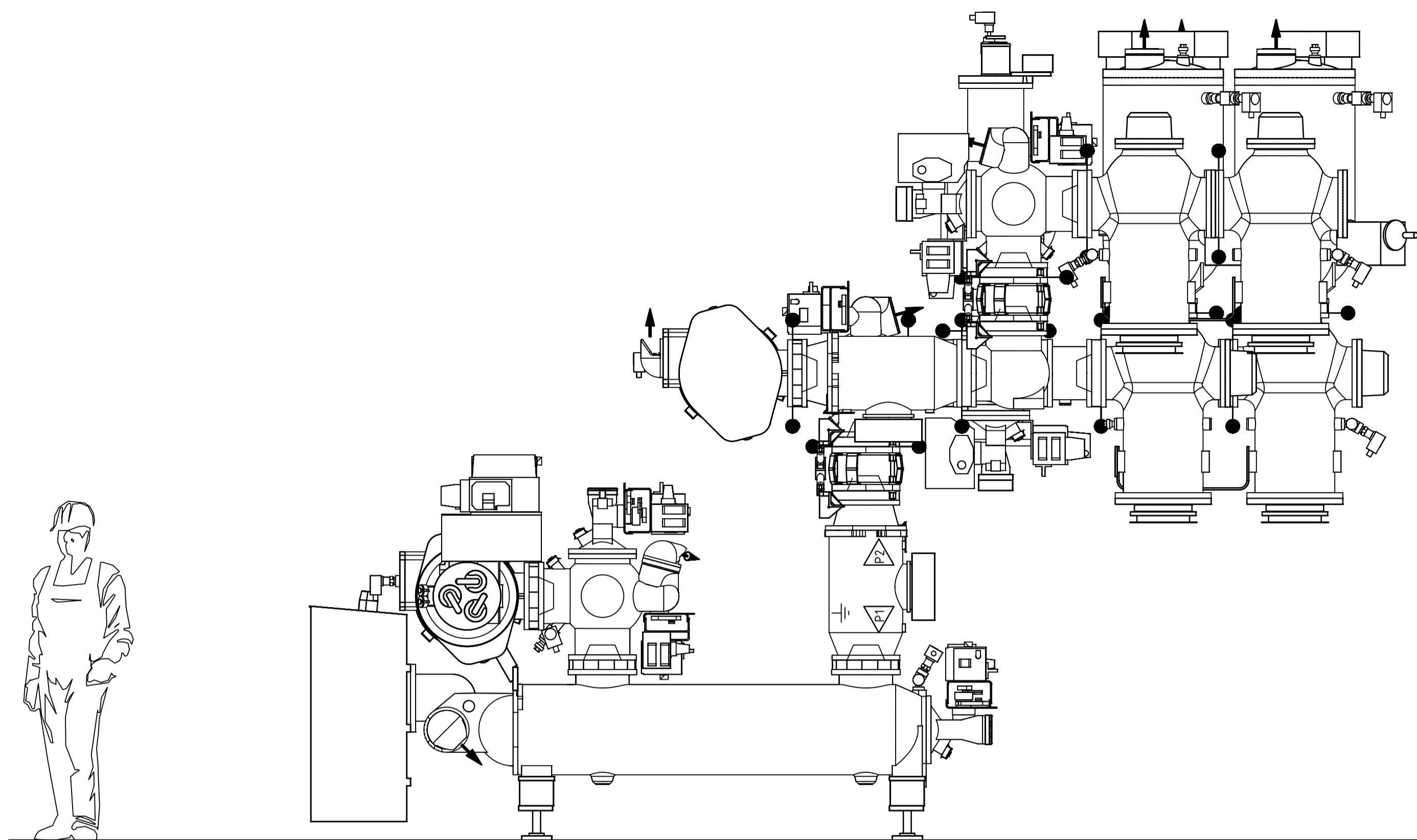
Restricted © Siemens AG,  
Transmittal, reproduction, dissemination and/or editing of this document  
as well as utilization of its contents and communication thereof to others  
without express authorization are prohibited. Offenders will be held liable  
for payment of damages. All rights created by patent grant or registration  
of a utility model or design patent are reserved.

Intern © Siemens AG,  
Weitergabe sowie Vervielfältigung, Verbreitung und/oder Bearbeitung dieses  
Dokumentes, Verwertung und Mitteilung seines Inhaltes sind verboten,  
soweit nicht ausdrücklich gestattet. Zuwiderhandlungen verpflichten  
zu Schadenersatz. Alle Rechte für den Fall der Patenterteilung,



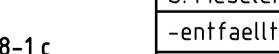


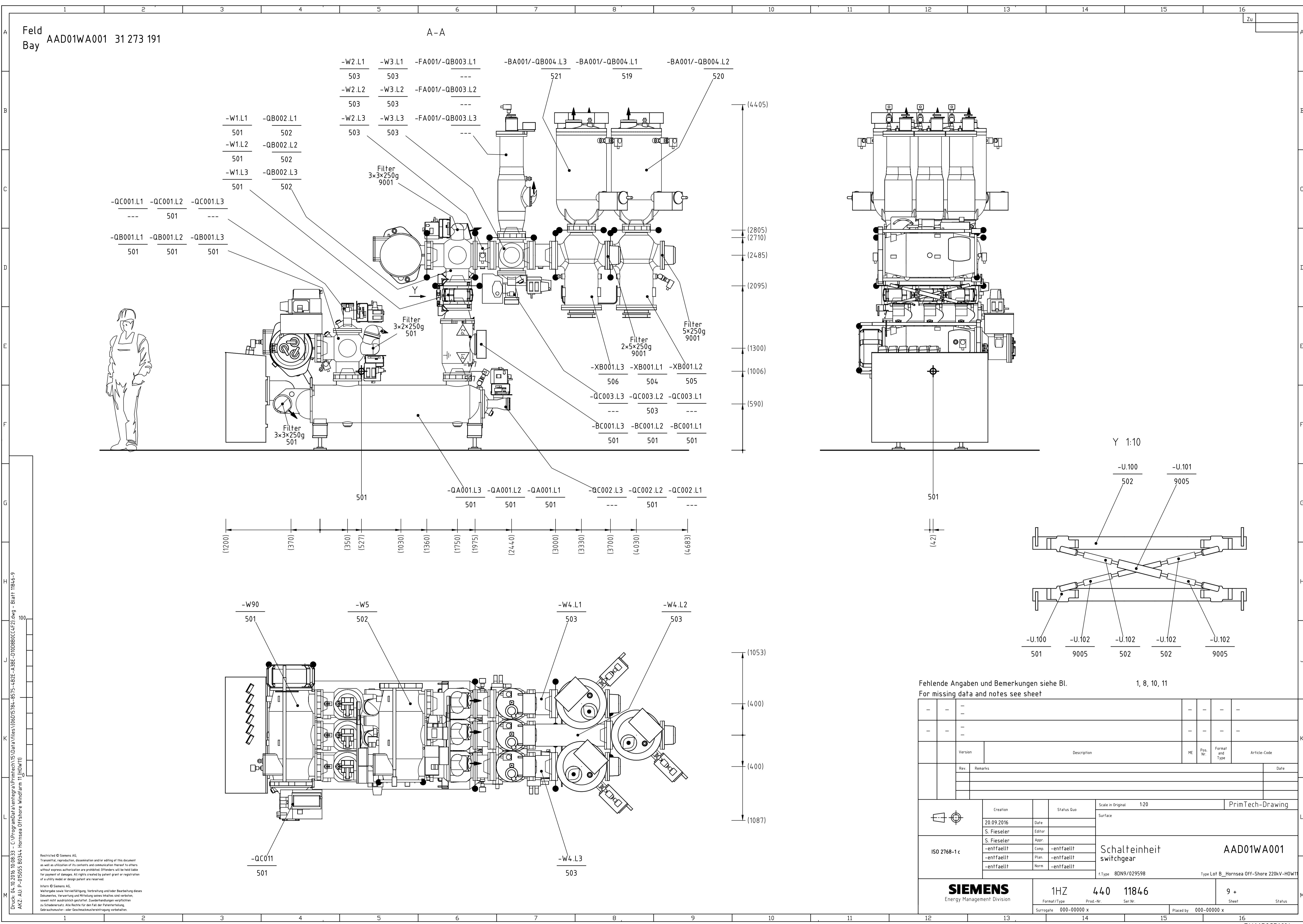
Feld Bay AAD01WA001 31 273 191

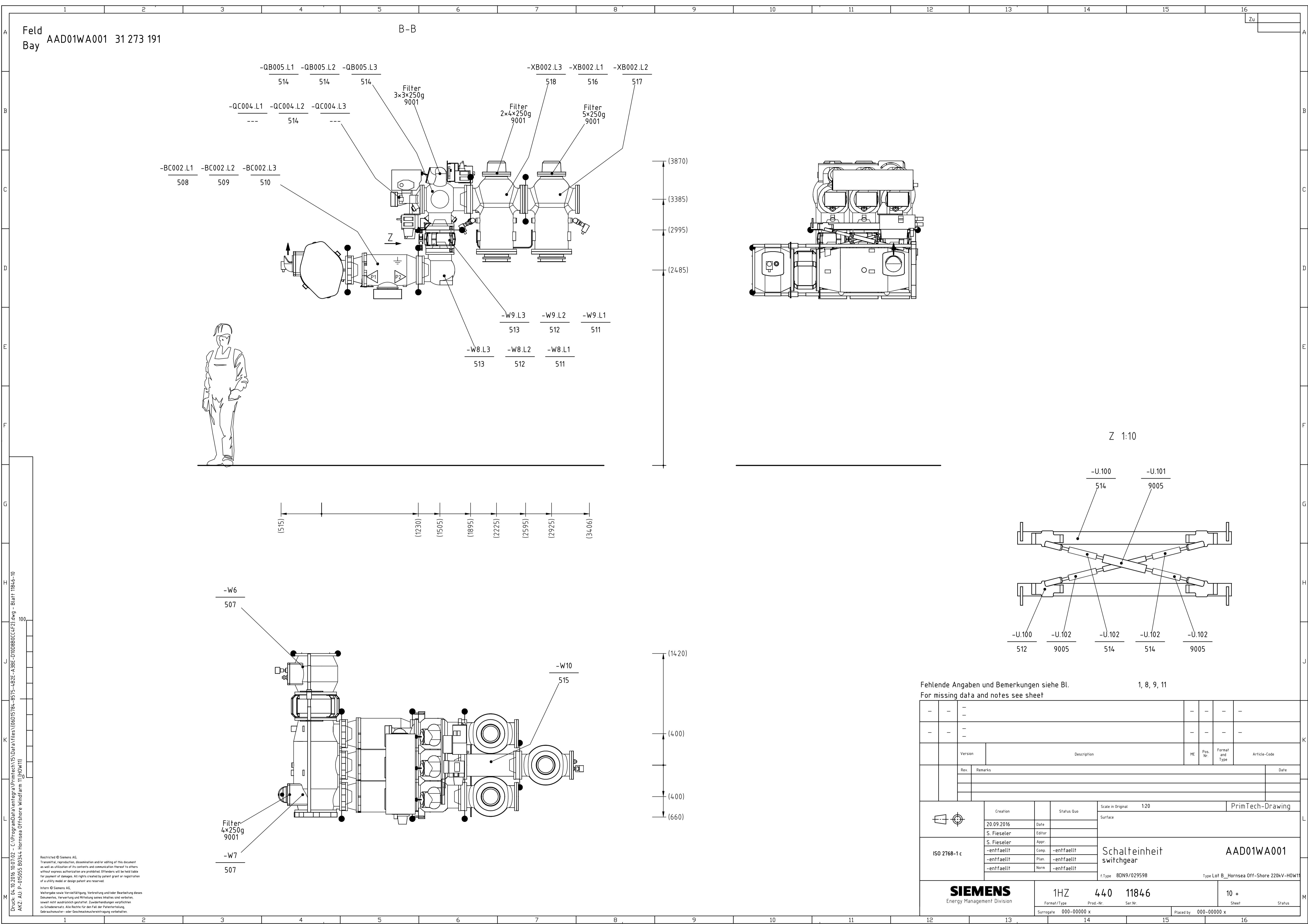


A detailed technical line drawing of a complex industrial machine, likely a compressor or pump. The drawing is split into two main sections: an upper section showing a cross-section of the internal mechanism with various gears, shafts, and bearings, and a lower section showing a longitudinal view of the housing and connecting components. The style is characteristic of engineering blueprints, using fine lines and specific symbols to represent mechanical parts and their relationships.

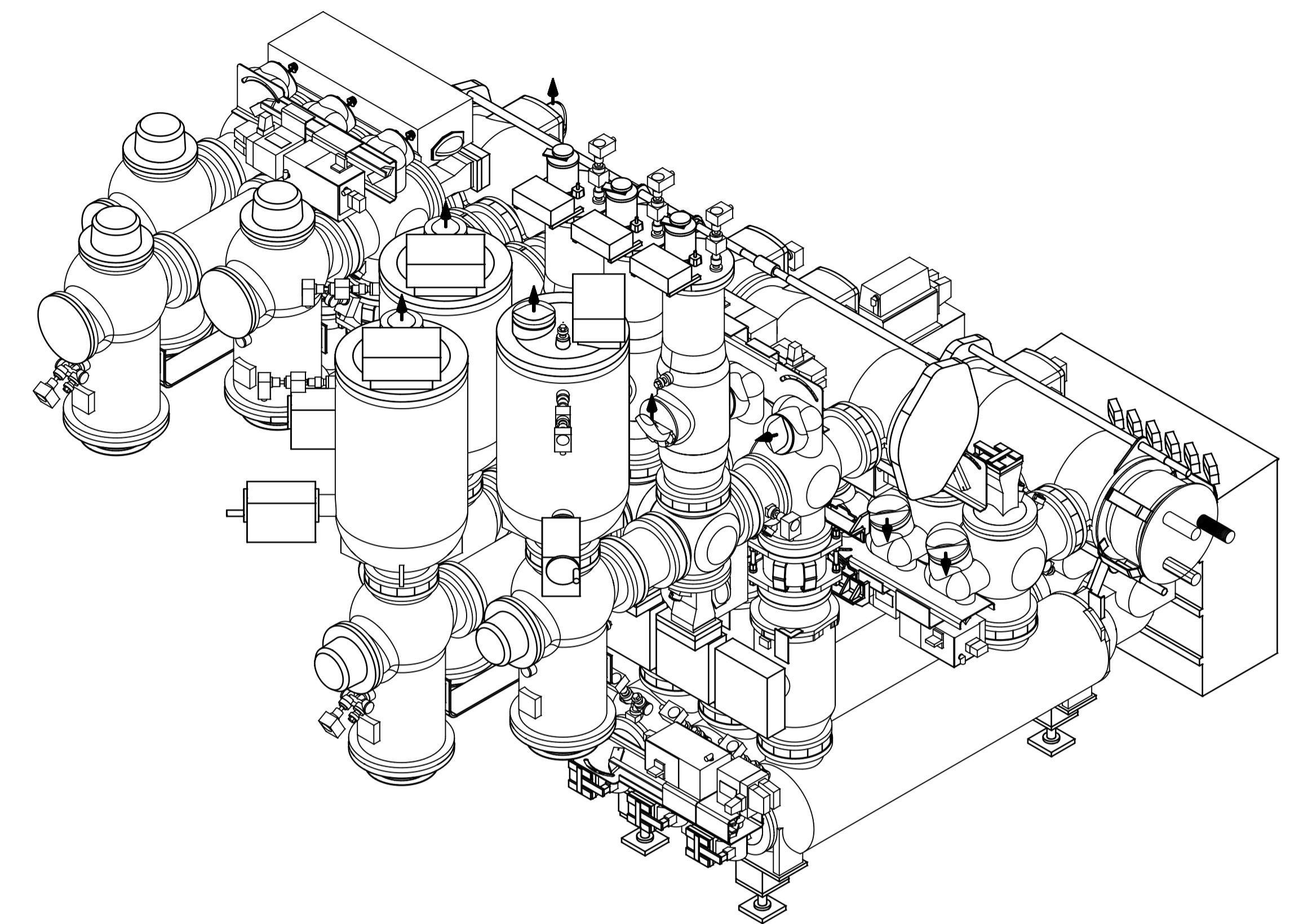
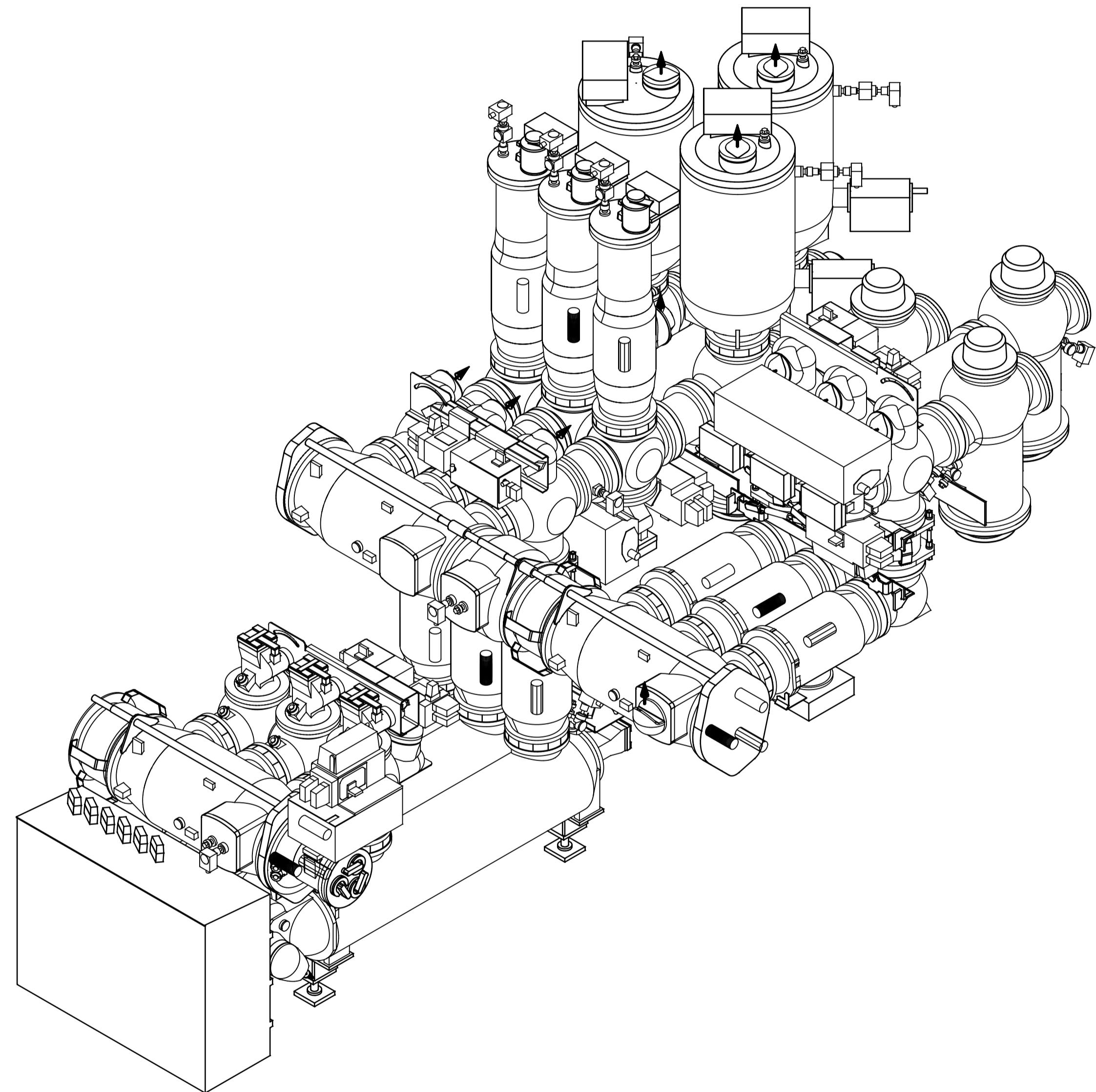
Fehlende Angaben und Bemerkungen siehe Bl.  
For missing data and notes see sheet

For missing data and notes see sheet									
-	-	-				-	-		
-	-	-				-	-		
		Version		Description		ME	Pos. Nr.		
		Format and Type							
		Article-Code							
		Rev. Remarks							
		Creation		Status Quo		Scale in Original 1:20	PrimTech-Drawing		
		20.09.2016	Date	Surface					
		S. Fieseler	Editor						
ISO 2768-1 c		S. Fieseler	Appr.	Schalteinheit		AAD01WA001			
		-entfaellt	Comp.	switchgear					
		-entfaellt	Plan.			f.Type 8DN9/029598			
		-entfaellt	Norm	Type Lot B_Hornsea Off-Shore 220kV-HOW11					
<b>SIEMENS</b> Energy Management Division		1HZ 440 11846				8 +			
		Format/Type		Prod.-Nr.		Sheet			
		Surrogate 000-00000 x		Ser.Nr.		Status			
12	13	14	15	16					

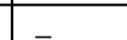




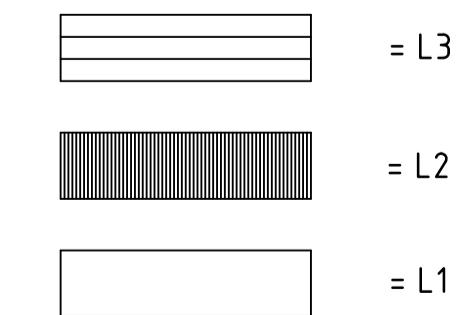
Feld  
Bay AAD01WA001 31 273 191



Fehlende Angaben und Bemerkungen siehe Bl.  
For missing data and notes see sheet

For missing data and notes see sheet							
-	-	-				-	-
-	-	-				-	-
		Version	Description			ME	Pos. Nr.
		Rev.	Format and Type				Article-Code
		Remarks					Date
 		Creation		Status Quo	Scale in Original	1:20	PrimTech-Drawing
					Surface		
		20.09.2016	Date	S. Fieseler	Editor		
ISO 2768-1c		S. Fieseler	Appr.		<b>Schalteinheit</b> switchgear f.Type 8DN9/029598		
		-entfaellt	Comp.	-entfaellt			
		-entfaellt	Plan.	-entfaellt			
		-entfaellt	Norm	-entfaellt			
					<b>AAD01WA001</b> Type Lot B_Hornsea Off-Shore 220kV-HOW11		
<b>SIEMENS</b> Energy Management Division		1HZ	440	11846			11 -
		Format/Type	Prod.-Nr.	Ser.Nr.			Sheet
		Surrogate	000-00000 x			Placed by 000-00000 x	

# Phasenzuordnung Phase assignment



Siemens AG,  
reproduction, dissemination and/or editing of this document  
or any part thereof, or any communication of its contents to others  
without prior written authorization are prohibited. Offenders will be held liable  
for damages. All rights created by patent grant or registration  
of model or design patent are reserved.  
  
ens AG,  
wie Vervielfältigung, Verbreitung und/oder Bearbeitung dieses  
Werktüchtigung und Mitteilung seines Inhaltes sind verboten,  
drücklich gestaffelt. Zuwiderhandlungen verpflichten  
zu schriftlicher Rechte für den Fall der Patenterteilung,  
derer- oder Geschmacksmustereintragung vorbehalten.