



Polski Koncern Naftowy ORLEN  
Spółka Akcyjna

## NOVON 40 with RARE GASES

Linde Project No.

**1510 CD77**

Linde Project Code

**Plock ASU 3**

Plant / Project Description

**Engineering, Procurement, Construction and Commissioning Contract Air Separation Unit III**

Linde Doc. No.

**&VD (3-1190) M-ZA 1001.001 (EN)**

Client Doc. No.

A	<input checked="" type="checkbox"/>	No further submission. Document accepted as final.
P	<input type="checkbox"/>	Incorporate comments and resubmit the document.
X	<input type="checkbox"/>	Document not accepted and rejected.
<small>This review does not constitute acceptance or approval of design details, calculations, analysis, test methods, or material developed or selected by the supplier and does not relieve supplier from full compliance with specifications and contractual obligations.</small>		
Linde Engineering		
Date: 10. Oct 2023 Dept.: ENDIM		
Name: Niam Patel		

## MAC - Oil System - General Arrangement Drawing and Part List

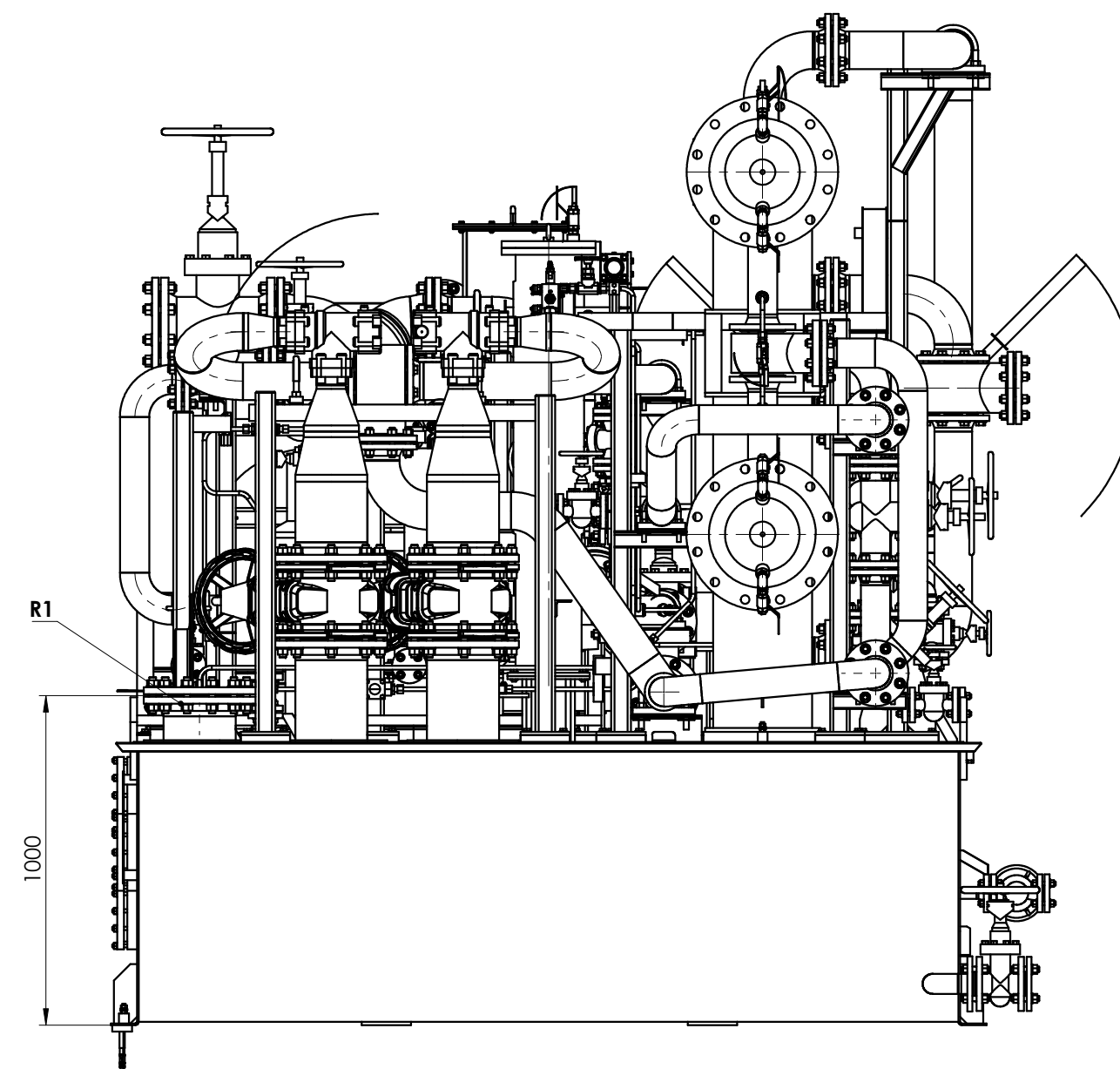
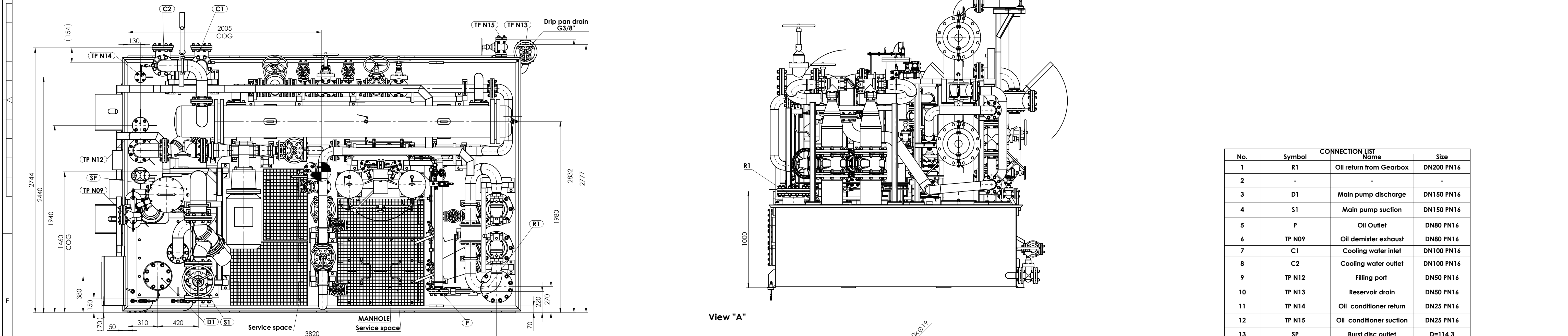
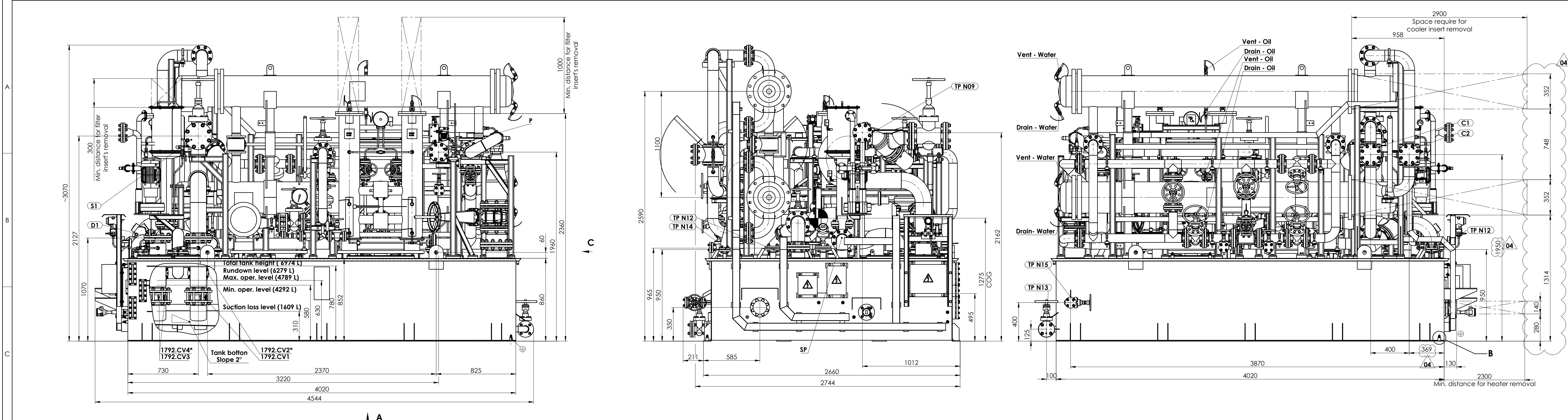
Vendor Name – Atlas Copco Energas	Vendor Project Number - 53138976
Vendor Document Number - 53138976-69	Vendor Document Revision - 01

Comments:	Dpt.:	Date:
None	ENCR1	9. Oct 2023
Name:	Bernhard Klumm	

IFR	02	09.10.2023	[R. Castor]	[W. Wanner]	[T. Heinen]	
IFR	01	29.05.2023	[R. Castor]	[W. Wanner]	[T. Heinen]	
Status	Issue	Date	Prepared	Reviewed	Approved	Remark

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View "A"




CONNECTION LIST			
No.	Symbol	Name	Size
1	R1	Oil return from Gearbox	DN200 PN16
2	-	-	-
3	D1	Main pump discharge	DN150 PN16
4	S1	Main pump suction	DN150 PN16
5	P	Oil Outlet	DN80 PN16
6	TP N09	Oil demister exhaust	DN80 PN16
7	C1	Cooling water inlet	DN100 PN16
8	C2	Cooling water outlet	DN100 PN16
9	TP N12	Filling port	DN50 PN16
10	TP N13	Reservoir drain	DN50 PN16
11	TP N14	Oil conditioner return	DN25 PN16
12	TP N15	Oil conditioner suction	DN25 PN16
13	SP	Burst disc outlet	D=114,3

<b>WEIGHT</b>	<b>kg</b>
<b>Without oil</b>	<b>7 400 ± 5%</b>
<b>With oil</b>	<b>12 900 ± 5%</b>

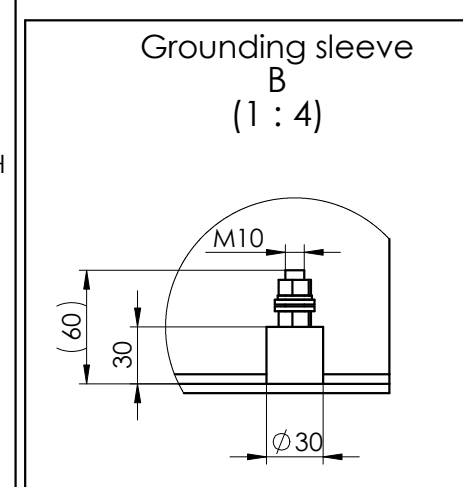
REMARKS:  
THE FOLLOWING TOLERANCES APPLY UNLESS OTHERWISE STATED IN THE DRAWING  
- LOCATION OF PIPE FLANGES: ACC TO EN 13480 CLASS C,  
- ALL OTHER FEATURES ACC TO EN-ISO 13920 CLASS B AND F.

**UWAGI:**  
STOSUJE SIĘ NASTĘPUJĄCE TOLERANCJE NA RYSUNKU, JEŚLI NIE ZWYMIAROWANO INACZEJ:  
- LOKALIZACJA PRZYŁĄCZY KOŁNIERZOWYCH: wg EN 13480 KLASA C,  
- WSZYSTKIE POZOSTAŁE wg EN-ISO 13920 CLASS B i F.

\*Check valves 1792.CV2 and 1792.CV4 with 3mm bore, drilled during assembly/manufacturing.  
Zawory zwrotne 1792.CV2 i 1792.CV4 z otworem 3mm, wiercone podczas montażu/produkcji.

Revisio.no	04 03 02 01	- - - -	Date	25.09.2023 19.07.2023 26.06.2023 15.05.2023	Signature	R.Górecki B.Jurkowski S.Karkowicz -	RG RC RC RC	Update Update Update Update		Revision no.		Revision day		Date		Signature		Remarks	
Designed by	-	R. Górecki	Date	03.03.2023	Signature				Material	Description									Format
Checked by	-	B. Jurkowski	Date	03.03.2023	Signature				Acc. to Parts List (-)	General Arrangement neral Arrangement	A1								
Approved by	-	S. Karkowicz	Date	03.03.2023	Signature					Lube Oil Unit									Sheet No.
Verified by	-	-	-	-	-	-	-	-	Weight kg	Project: Orlen Plock- ATLAS COPCO	I/2								
Scale:	1:1		<b>ROCKFIN Sp. z o.o.</b> <b>Polaćcwo 9, Mołkowo</b> <b>83-330 Żukowo</b> <b>POLAND</b>						7237.8	Status	Drawing No.	Revision	Language						
											RG-01/7002-23/000-00	04	EN/PL						

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TAG Number prefix and suffix shall be:

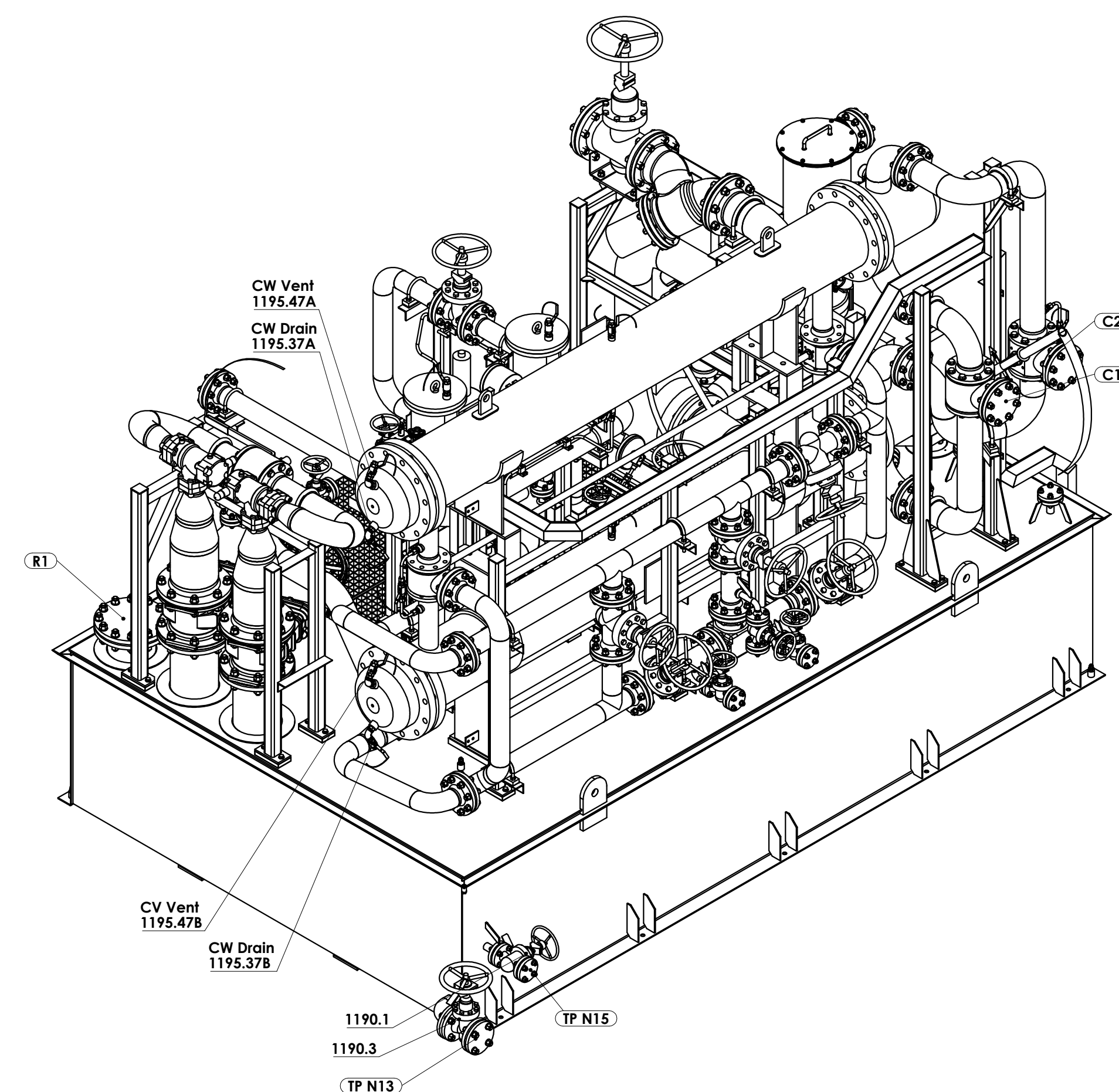
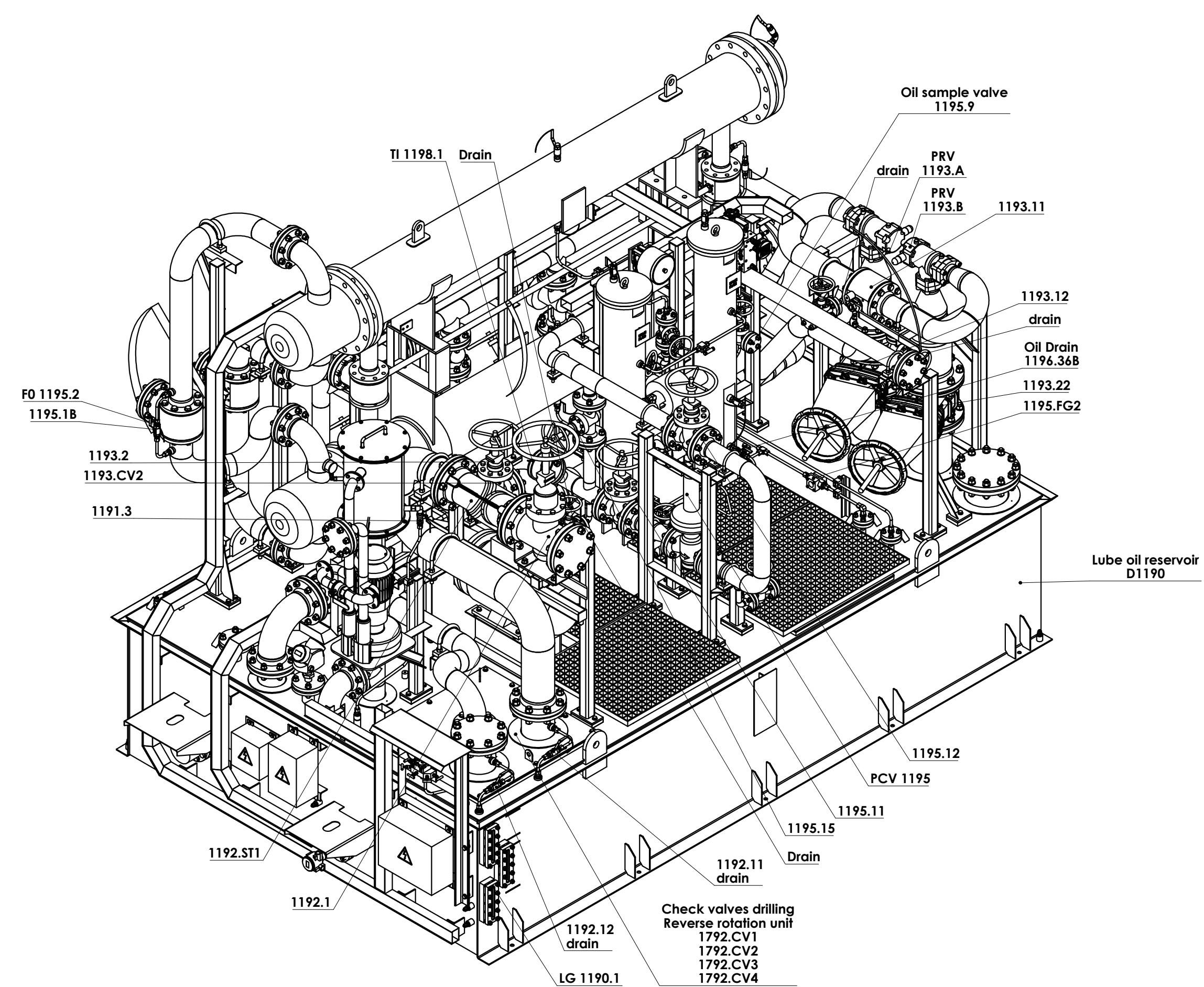
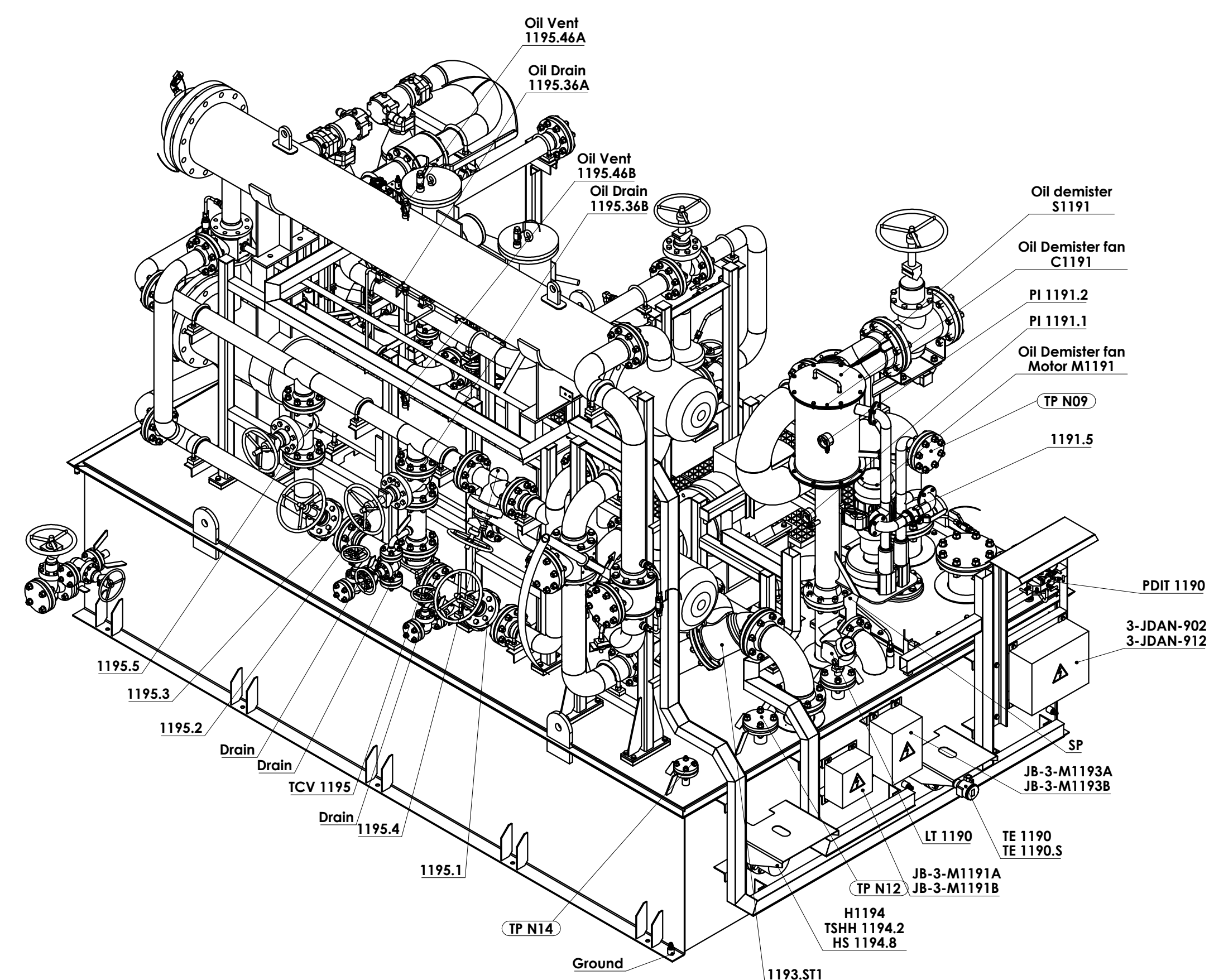
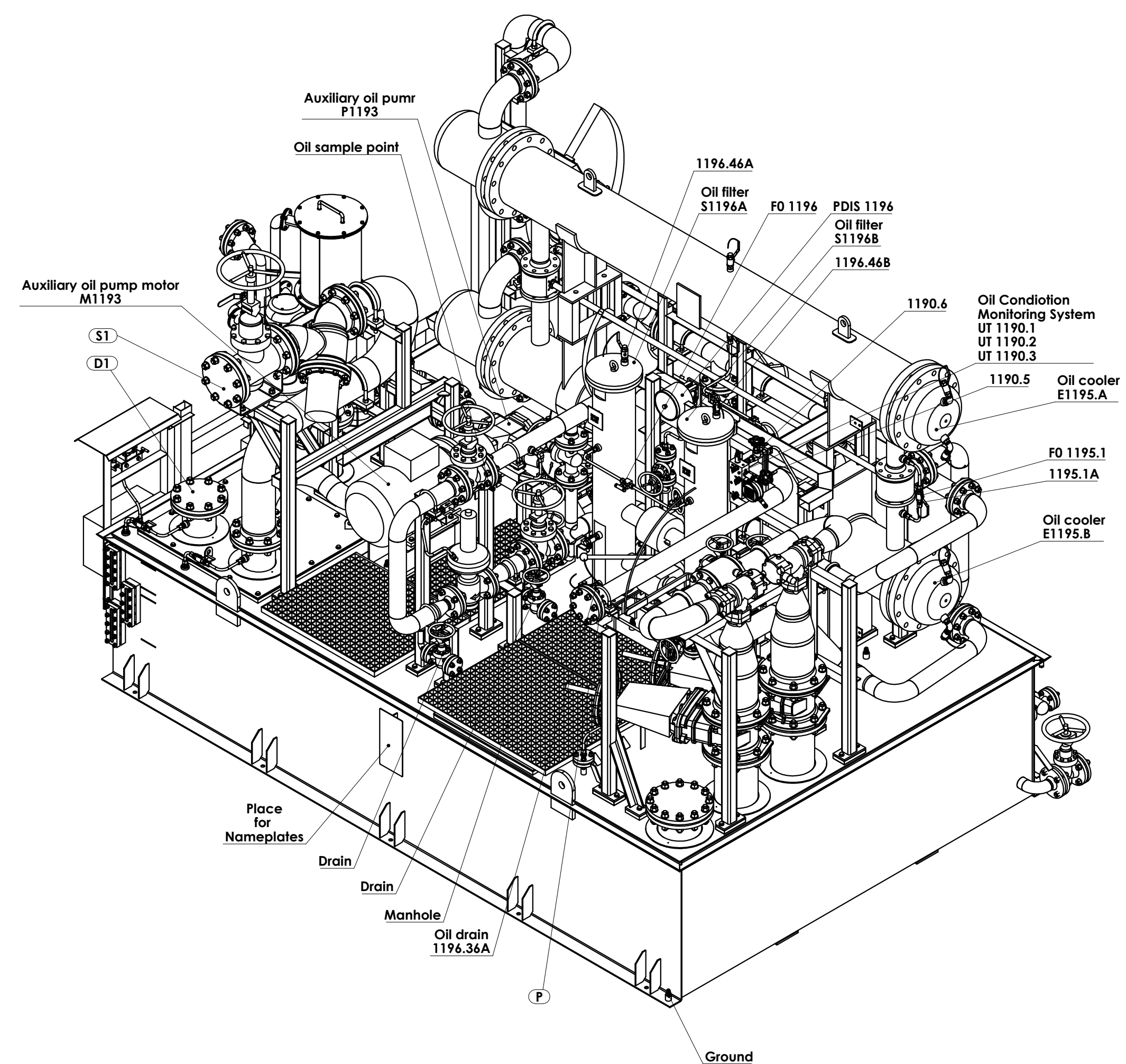
a) to identify unit # 1



- 3-xxxxA (e.g. Oil demister S1191 -> 3-S1191A)
- 3-xxxxA.xxx (e.g. Check valves 1792.CV2 -> 3-1792A.CV2)

b) to identify unit # 2

- 3-xxxxB (e.g. Oil demister S1191 -> 3-S1191B)
- 3-xxxxB.xxx (e.g. Check valves 1792.CV2 -> 3-1792B.CV2)





Scale 1:1	 <b>ROCKFIN</b> ROCKFIN Sp. z o.o. Polacowa 9, Molkowo 83-330 Żukowo <b>POLAND</b>	Material	Description		Format
		Acc. to Parts List (1)	General Arrangement Project: Orlen Plock-ATLAS COPCO		A1
	Status	Drawing No.	Revision	Sheet No.	
		RG-01/7002-23/00-000	04	2/2	

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