## DRUG SUBSTANCE BMS - INSTRUMENT INDEX

											TESSLER INC	Trial (	1 <b>1</b> Hemobrás
1	ISSUE FOR CONSTRUCTION CONSIDERING COMMENTS							engenharia <b>IPS</b>	Takeda	Empresa brasile ta de hemodentvados e brotecnología			
0	ISSUE FOR CONSTRUCTION												
Α	60% DD ISSUE							DOC NR:	CLIENT NR:				
REV	V DESCRIPTION							569-DB7B-AIC-310-003 PRD-AIC-LIS-015					
REVIEW	REV. A	REV. 0	REV.1	REV.2	REV.3	REV.4	REV.5	REV.6	REV.7	REV.8	CLIENT:		
DATE	24MAR2021	13AUG2021	08NOV2021								TAKEDA/BAXALTA		
EXEC	JHA	JHA	MAV								PROJECT:		REV.:
CHECK	MAF	MAF	MAF								BURITI EPCMV PROJECT		
APPROV	RSP	RSP	RSP										· •







## **INSTRUMENT LIST - NOTES**

DOC NR.:	SHEET.:
569-DB7B-AIC-310-003	2/17
DOC NR.:	REV.:
PRD-AIC-LIS-015	1

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REVISION 0 NOTES:	
1- UPDATE ACCORDING TO P&ID (HVAC AND PROCESS).	
2- INSERTION OF NUMBER DATASHEET.	
REVISION 1 NOTES:	
4 CANOCILIED LOUI, 070000 LV 070000 DDIT 0000400 DIT 070000 TW 070000 TE 070000 4 DDI AUU ZD 4 004 DDI AUU ZD 0 004	
1. CANCELLED LSHL-070060, LV-070060, PDIT-96002, PDIT-9800163, PIT-970002, TW-970002, TI-970002, TE-970002-1, TIT-970002-1, PDI-AHU-7B-1-001, PDI-AHU-7B-2-001, PDI-AHU-7B-3-001, PDI-AHU-7B-4-001, PDI-AHU-7B-5-001, PDI-AHU-7B-6-001, PDI-AHU-7B-7-001, PDI-AHU-7B-8-001, PDI-AHU-7B-9-001, PDI-DOAS-7B-1-001	
PDS-AHU-7B-2-002, PDS-AHU-7B-4-002, PDT-RAV-B-1023-2, PDT-RAV-B-2023-1, PDT-RAV-B-2025-1, PDT-RAV-B-2028-2, PDT-RAV-B-2037-2 PDT-RAV-B-2039-2, PDT-RAV-B-2039-3, PDT-RAV-B-2039-4, PDT-RAV-B-2039-5, PDT-RAV-B-2039-6, PDT-RAV-B-2039-7, PDT-RAV-B-2039-8	
PDT-RAV-B-2044-2, PDT-RAV-B-2048-2, PDT-RAV-B-2060-1, PT-DHB-7B-3-002, PT-DHB-7B-1-001, PT-DHB-7B-2-001, PT-DOAS-7B-001, TT-AHU-7B-1-001	
TT-AHU-7B-1-002, TT-AHU-7B-2-001, TT-AHU-7B-2-002, TT-AHU-7B-3-001, TT-AHU-7B-3-002, TT-AHU-7B-4-001, TT-AHU-7B-4-002, TT-AHU-7B-5-001 TT-AHU-7B-5-002, TT-AHU-7B-6-001, TT-AHU-7B-6-002, TT-AHU-7B-7-001, TT-AHU-7B-7-002, TT-AHU-7B-8-001, TT-AHU-7B-8-002, TT-AHU-7B-9-001	
TT-AHU-7B-9-002, TT-DOAS-7B-001, TT-FCU-B1043-001, TT-RH-B-1023-2, TT-RH-B-2001-2, TT-RH-B-2016-2, TT-RH-B-2028-2, TT-RH-B-2037-2, TT-RH-B-2038-1	
TT-RH-B-2039-2, TT-RH-B-2039-3, TT-RH-B-2039-4, TT-RH-B-2039-5, TT-RH-B-2039-6, TT-RH-B-2039-7, TT-RH-B-2039-8, TT-RH-B-2044-2, TT-RH-B-20xx-1 TT-RH-B-2048-2, TT-RH-B-2048-3, TT-RH-B-2048-4, TT-RH-B-2048-5, TT-RH-B-2048-6	



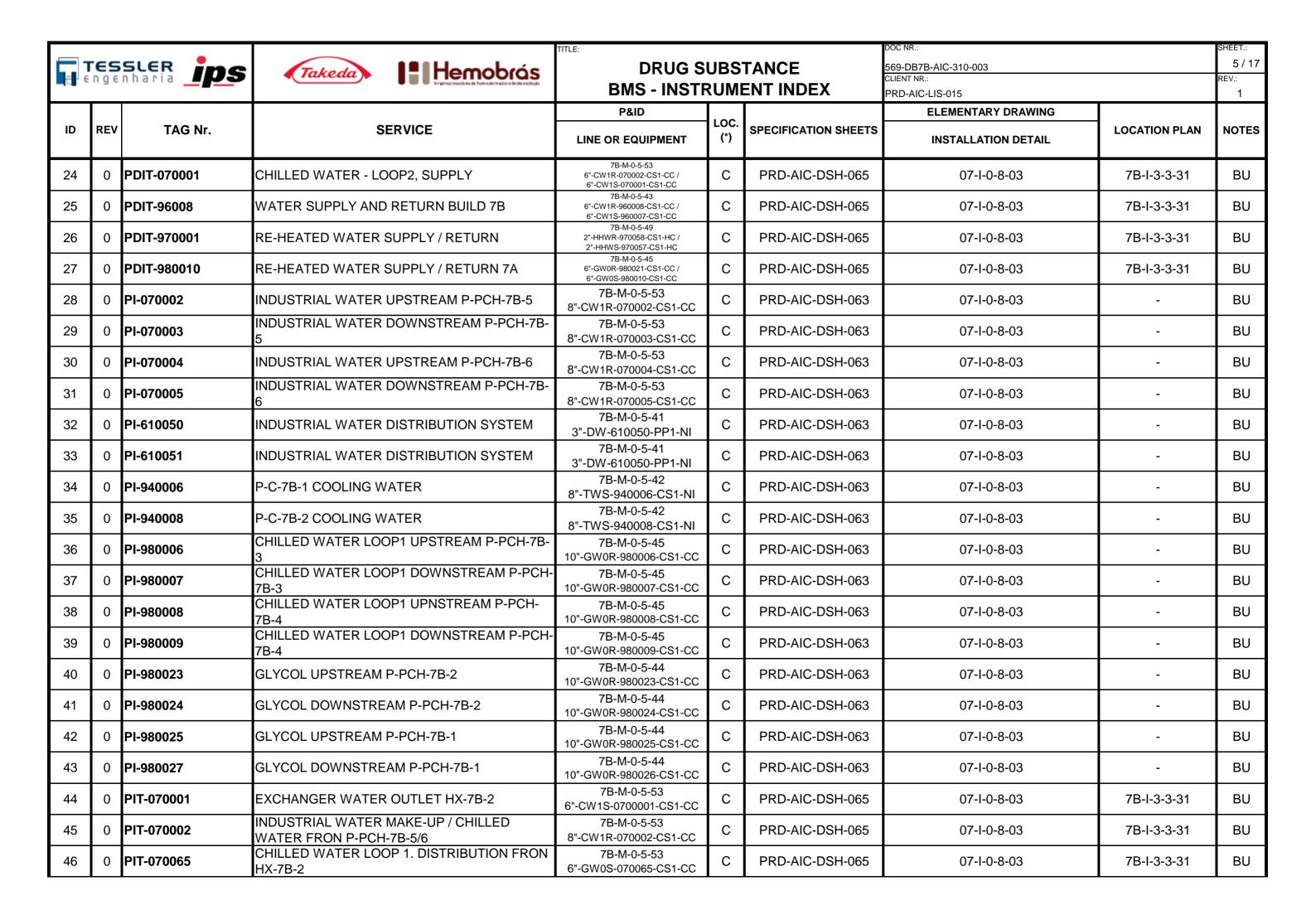


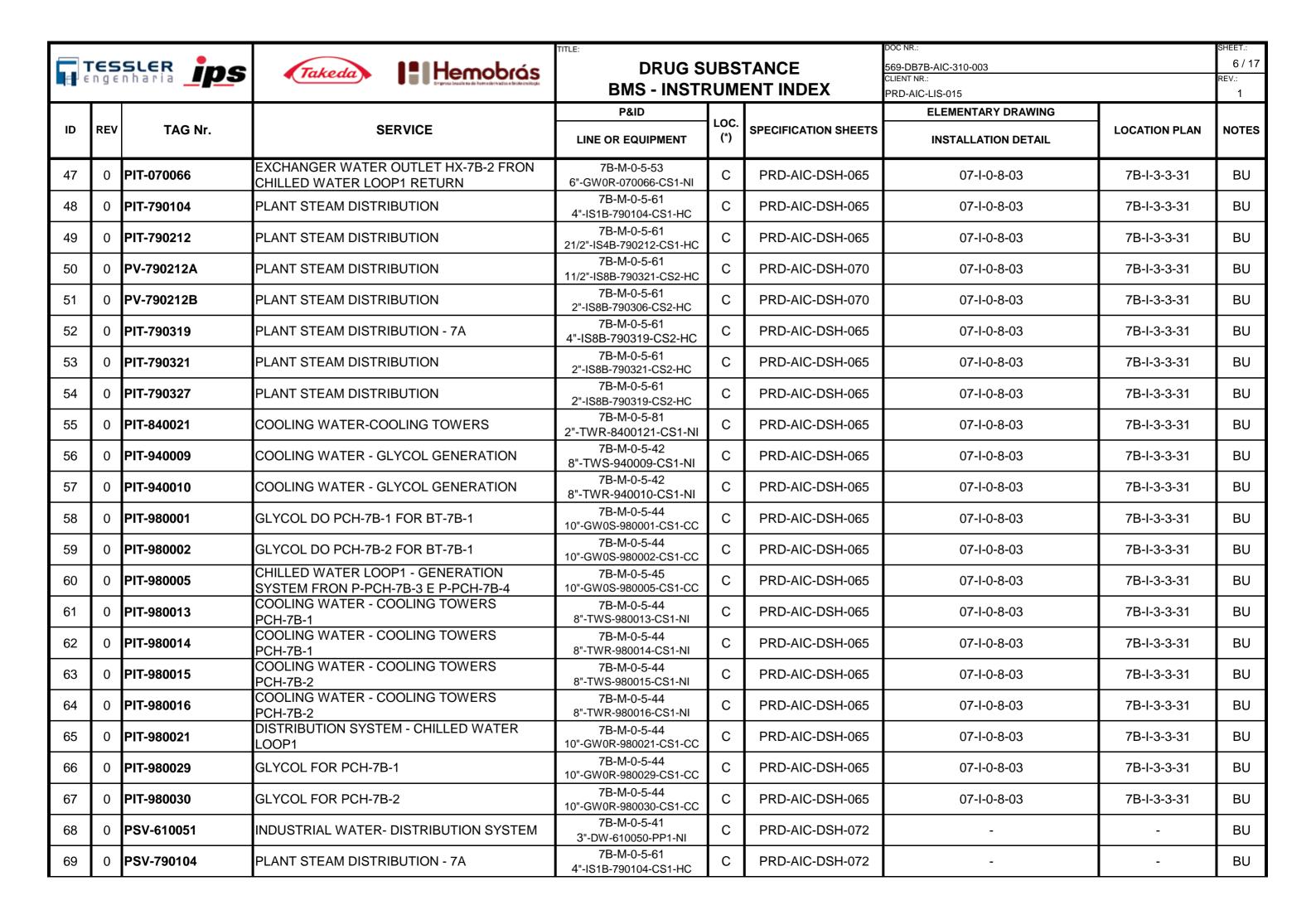


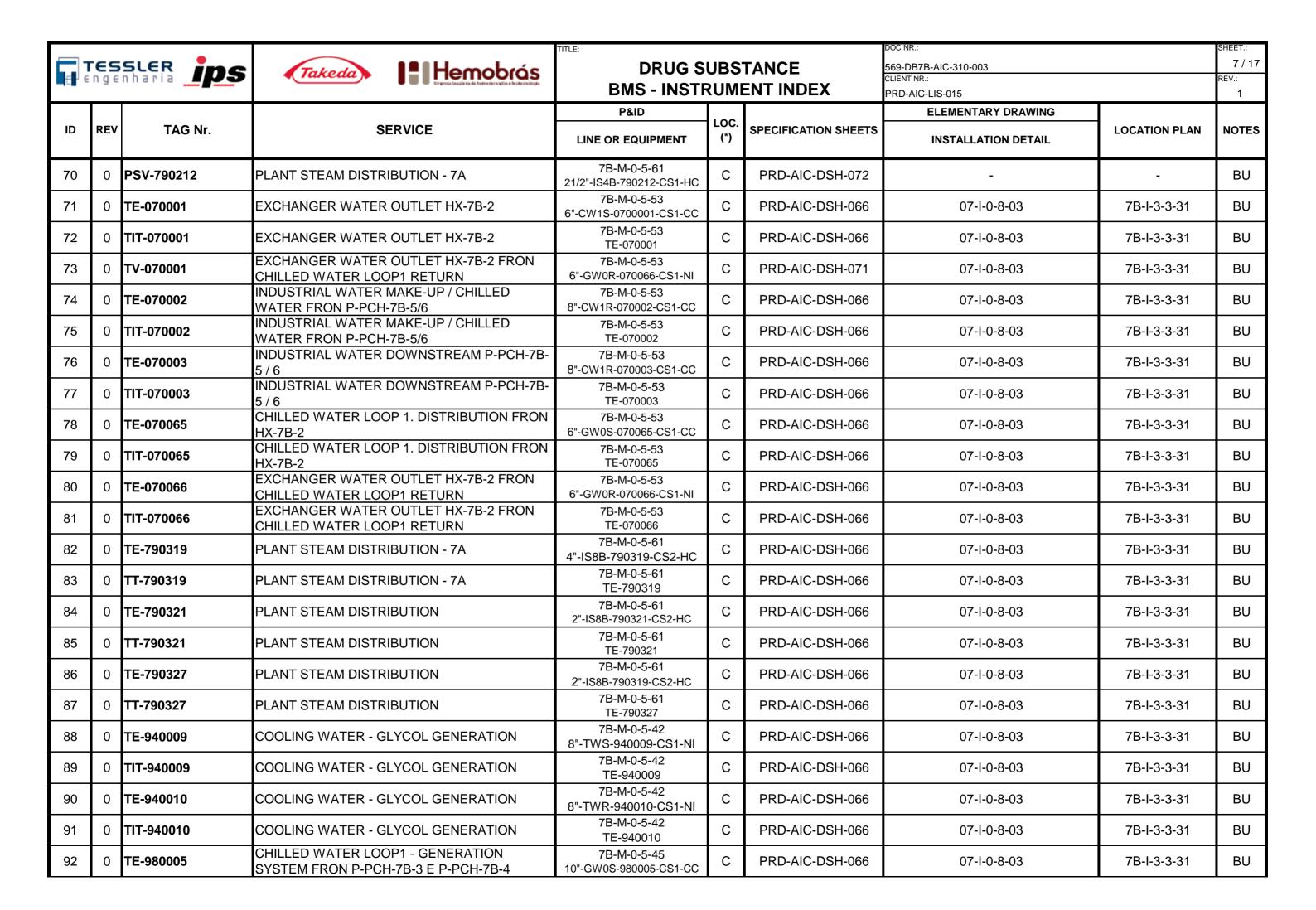
DOC NR.:	SHEET.:
569-DB7B-AIC-310-003	3 / 17
DOC NR.:	REV.:
PRD-AIC-LIS-015	1

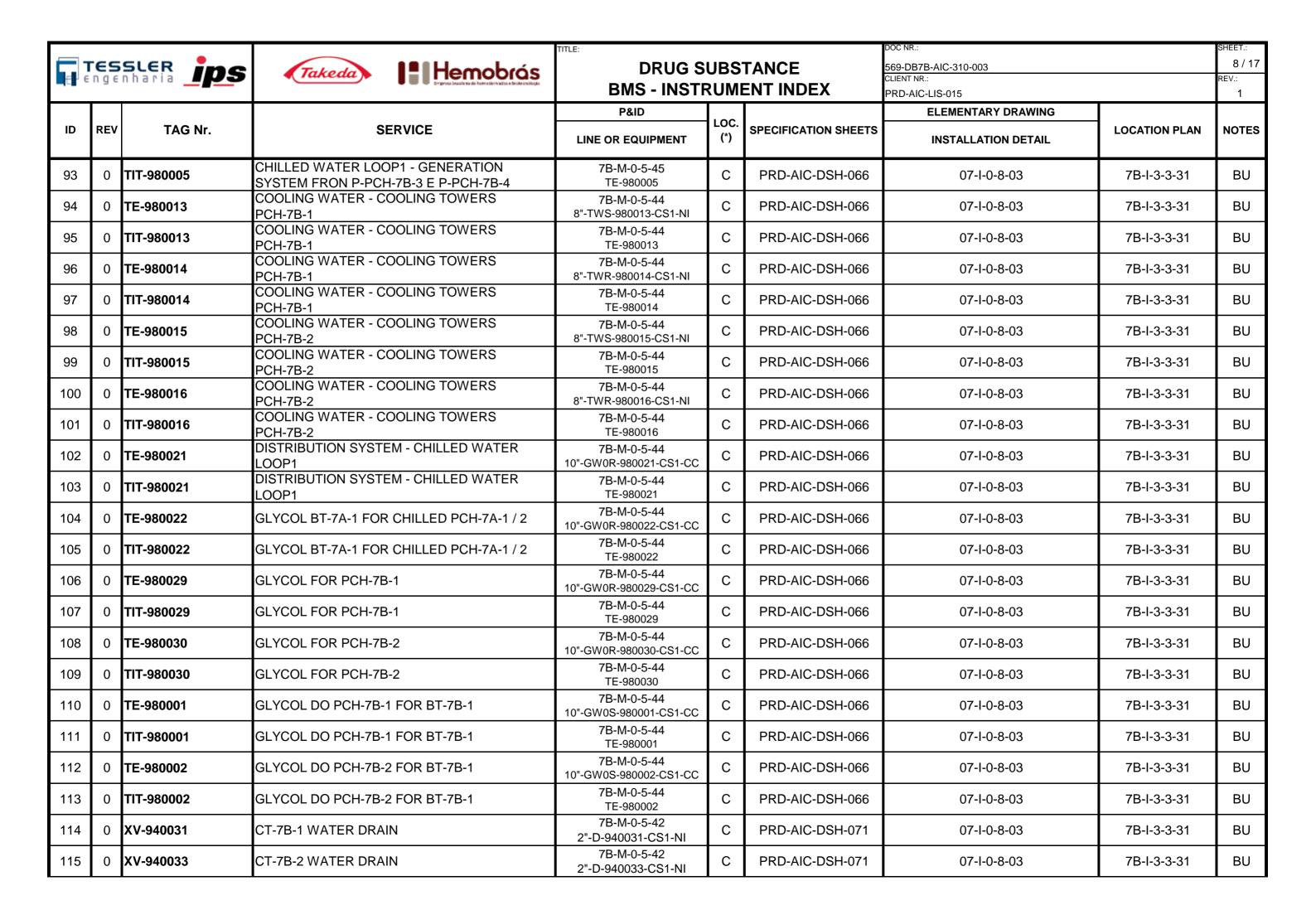
	engennaria	V. T.	Empresa brasile as de hiema denhados e brota civilogia	INSTRUMENT LIST - NOTES	DOC NR.: PRD-AIC-LIS-015	REV.: 1
1-	ABBREVIATION:					_
	BU=> BLACK UTILITIES INSTRUM	MENTS OF PROCESS				
	HVAC => BLACK UTILITIES (NON	I-VALIDATED HVAC INST	RUMENTS) HVAC			
2-	FOR THIS DOCUMENT WILL ONL	Y BE INDICATED AND D	ETAILED BY THE PROJECT, ARE	NOT PART OF THIS PACKAGE INSTRUMENTS.		

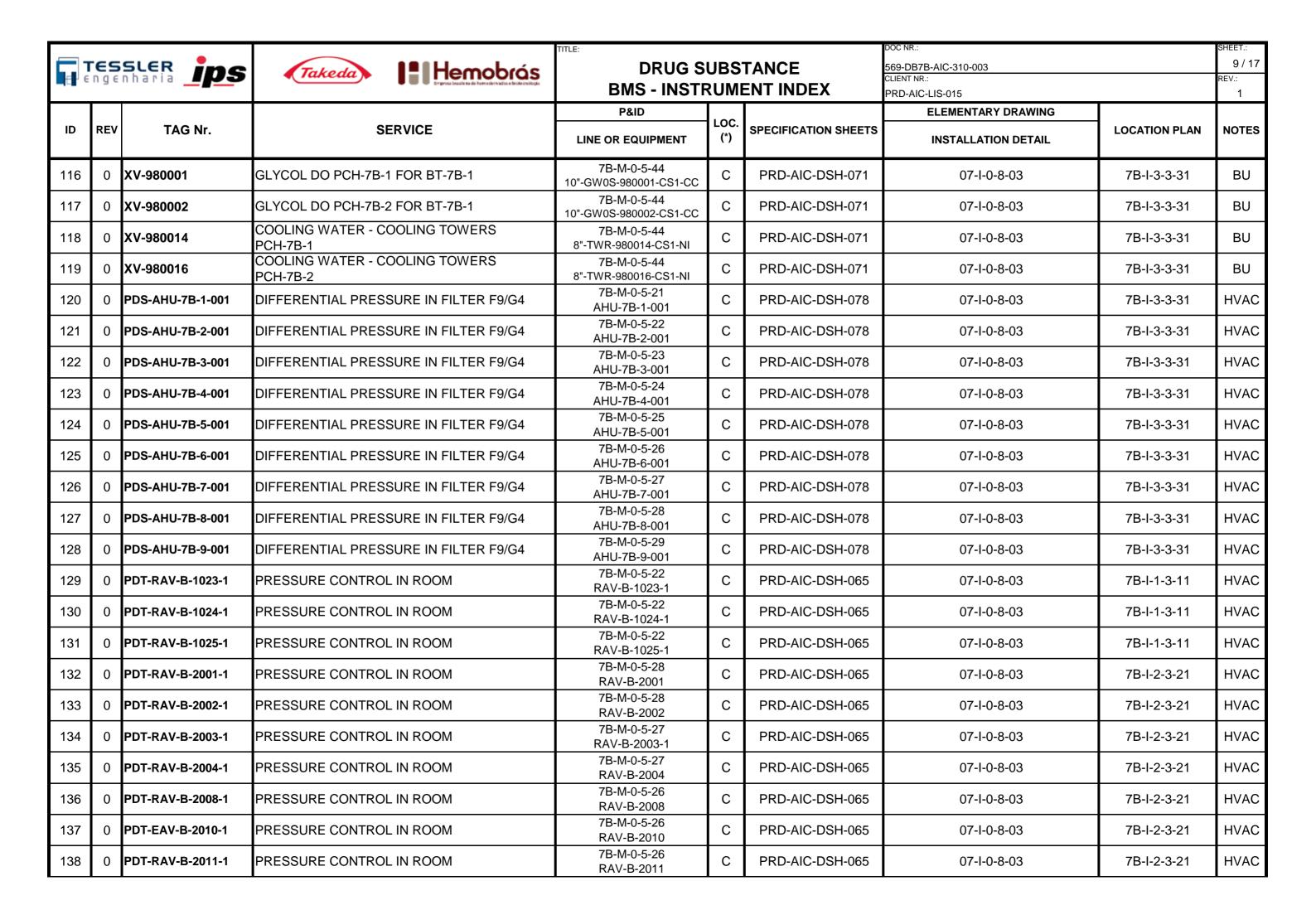


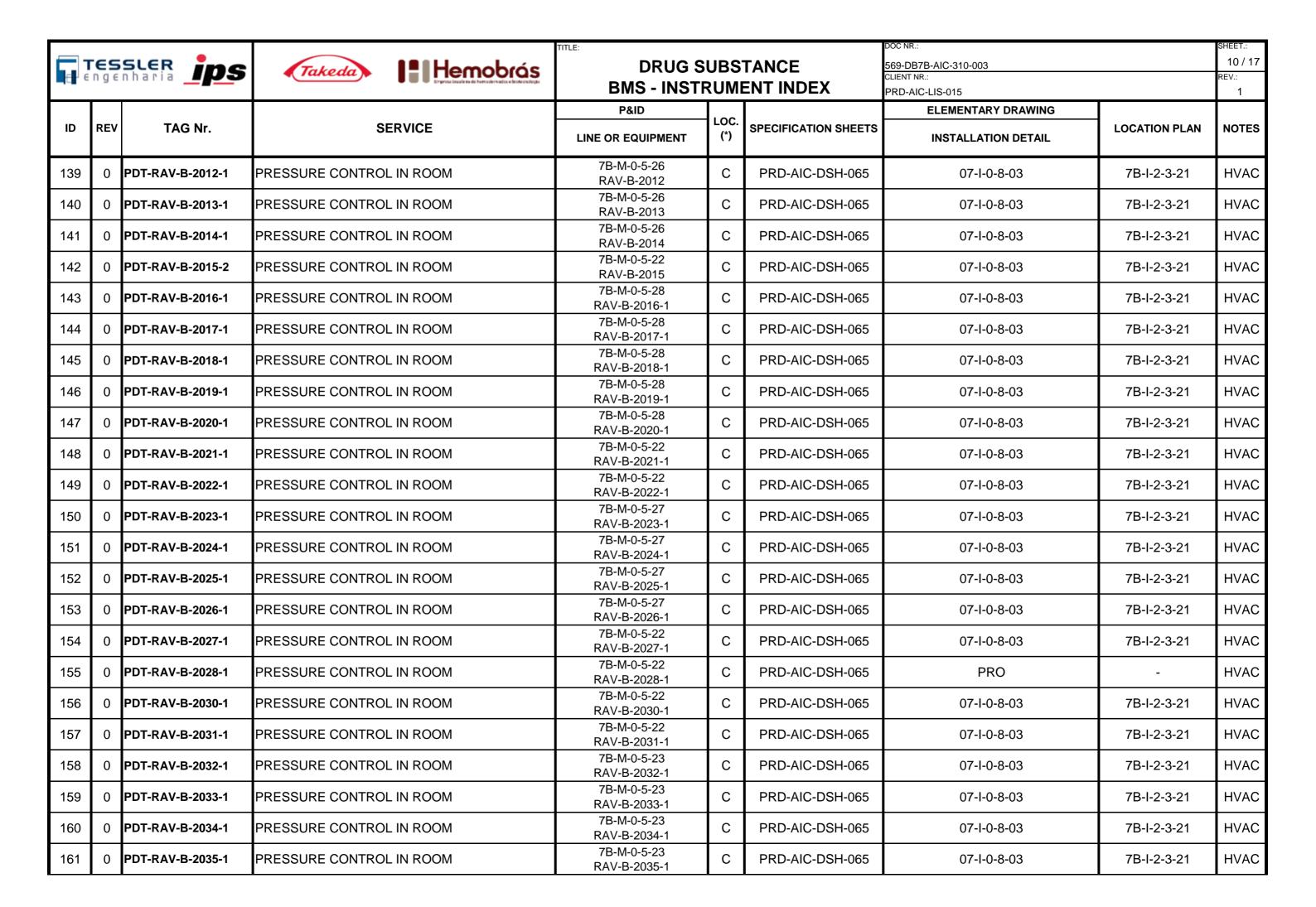


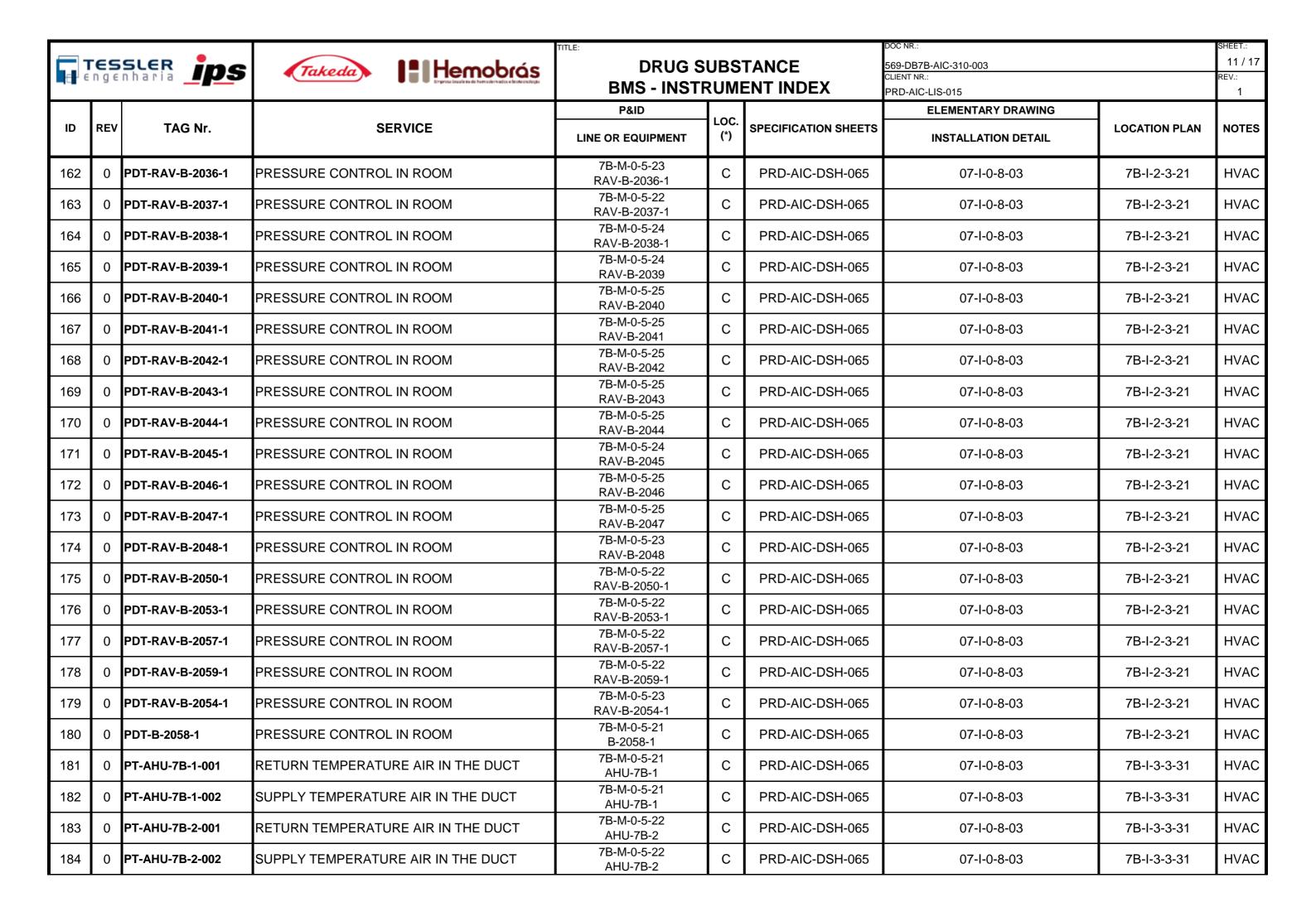


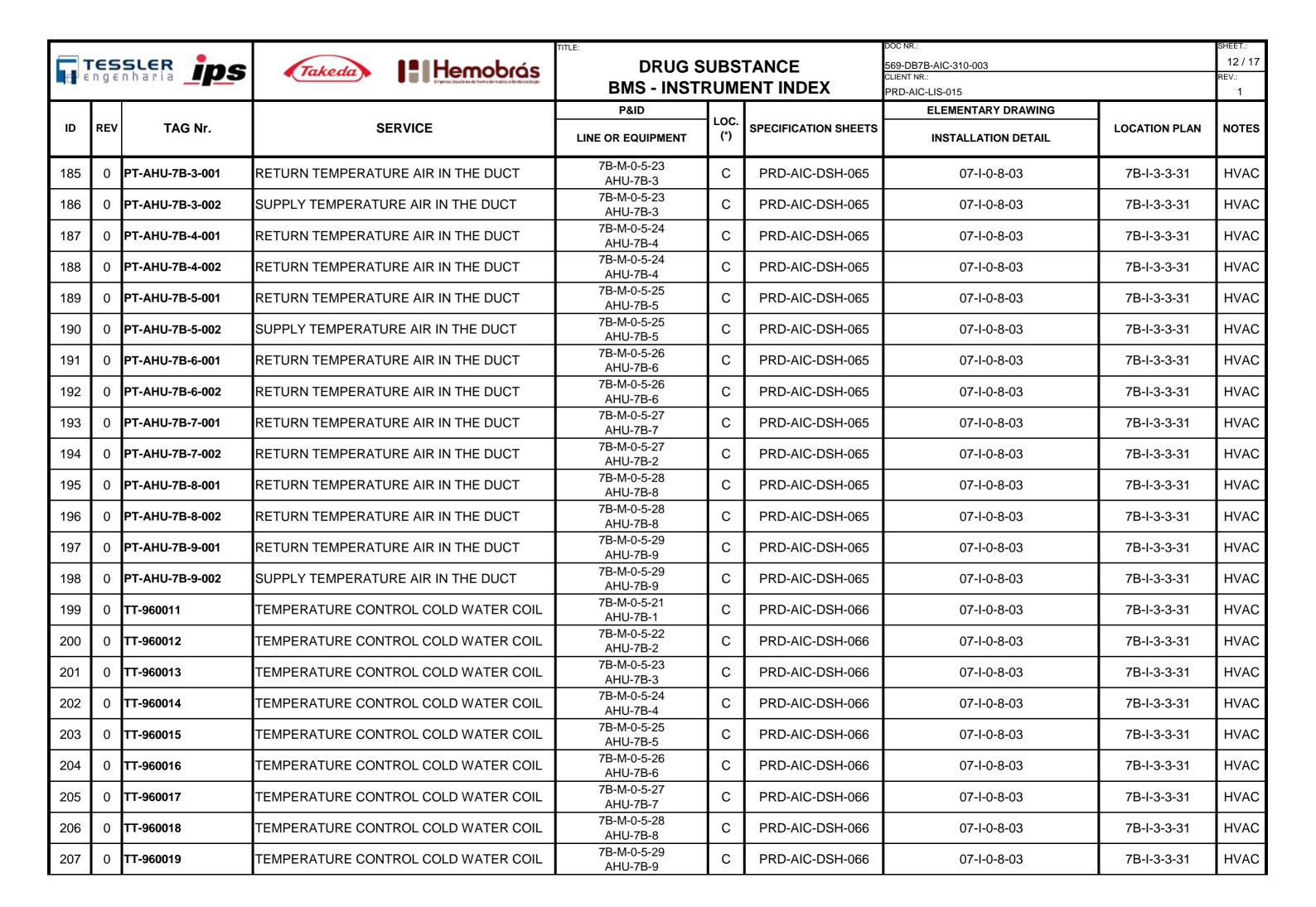


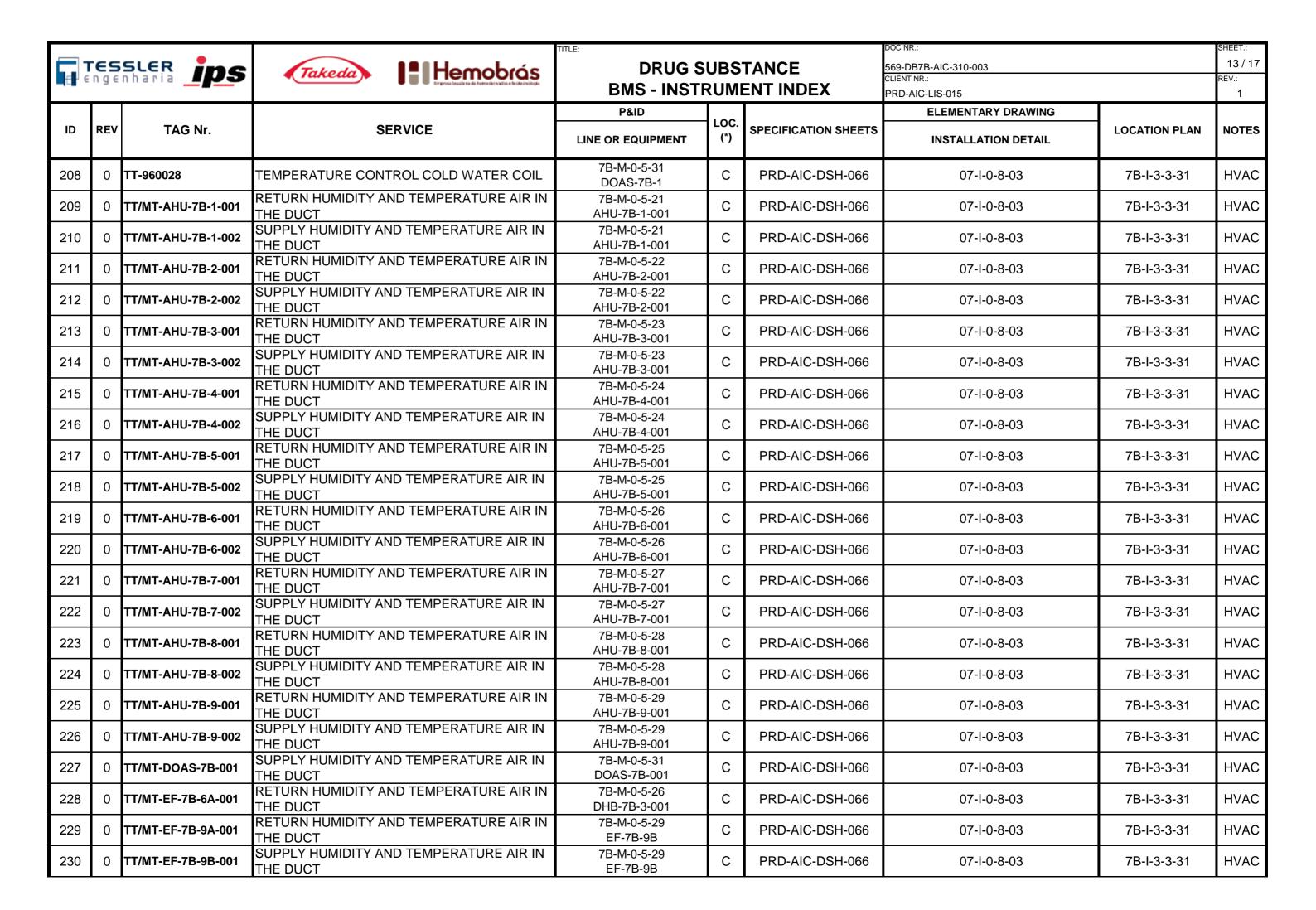


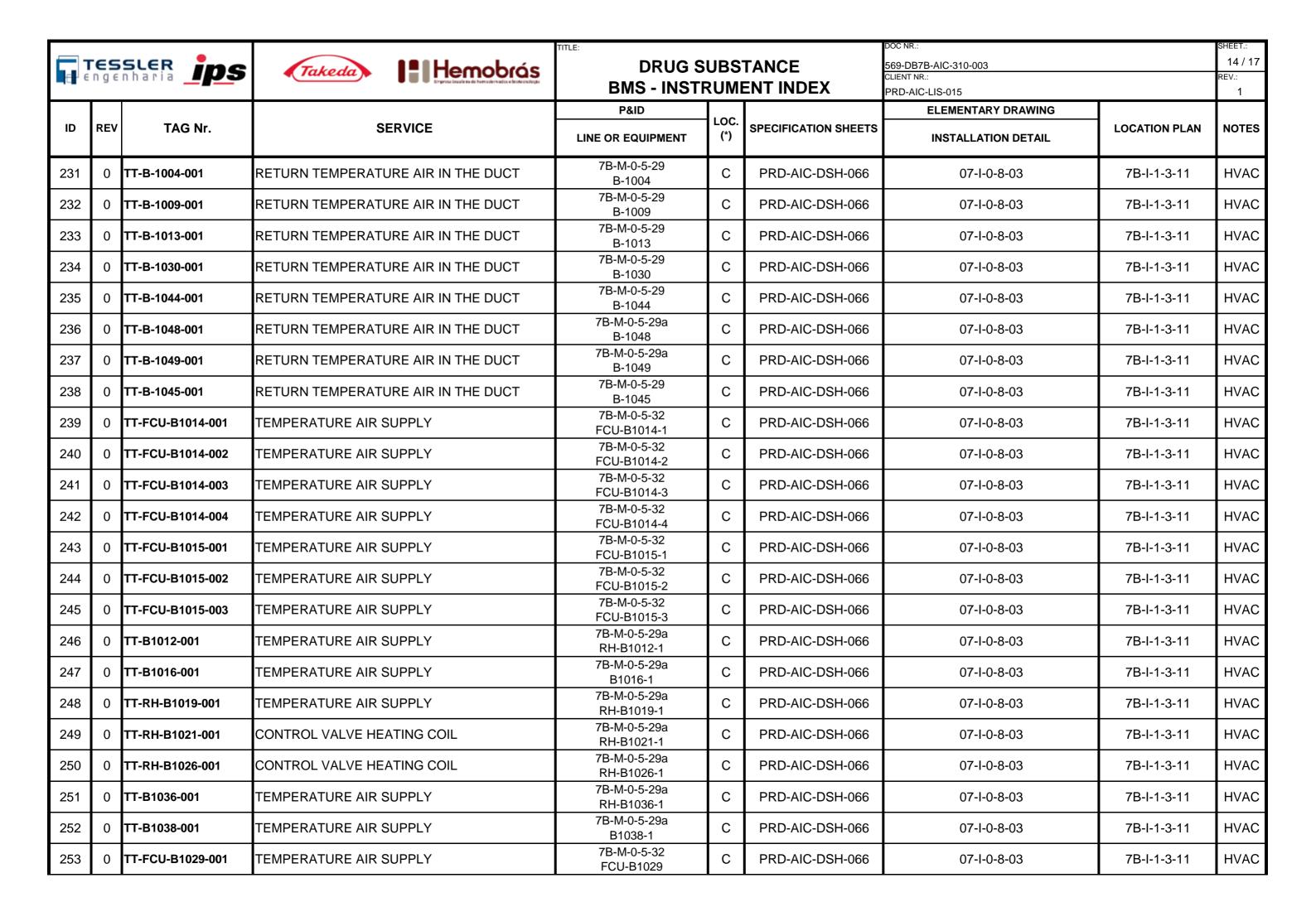


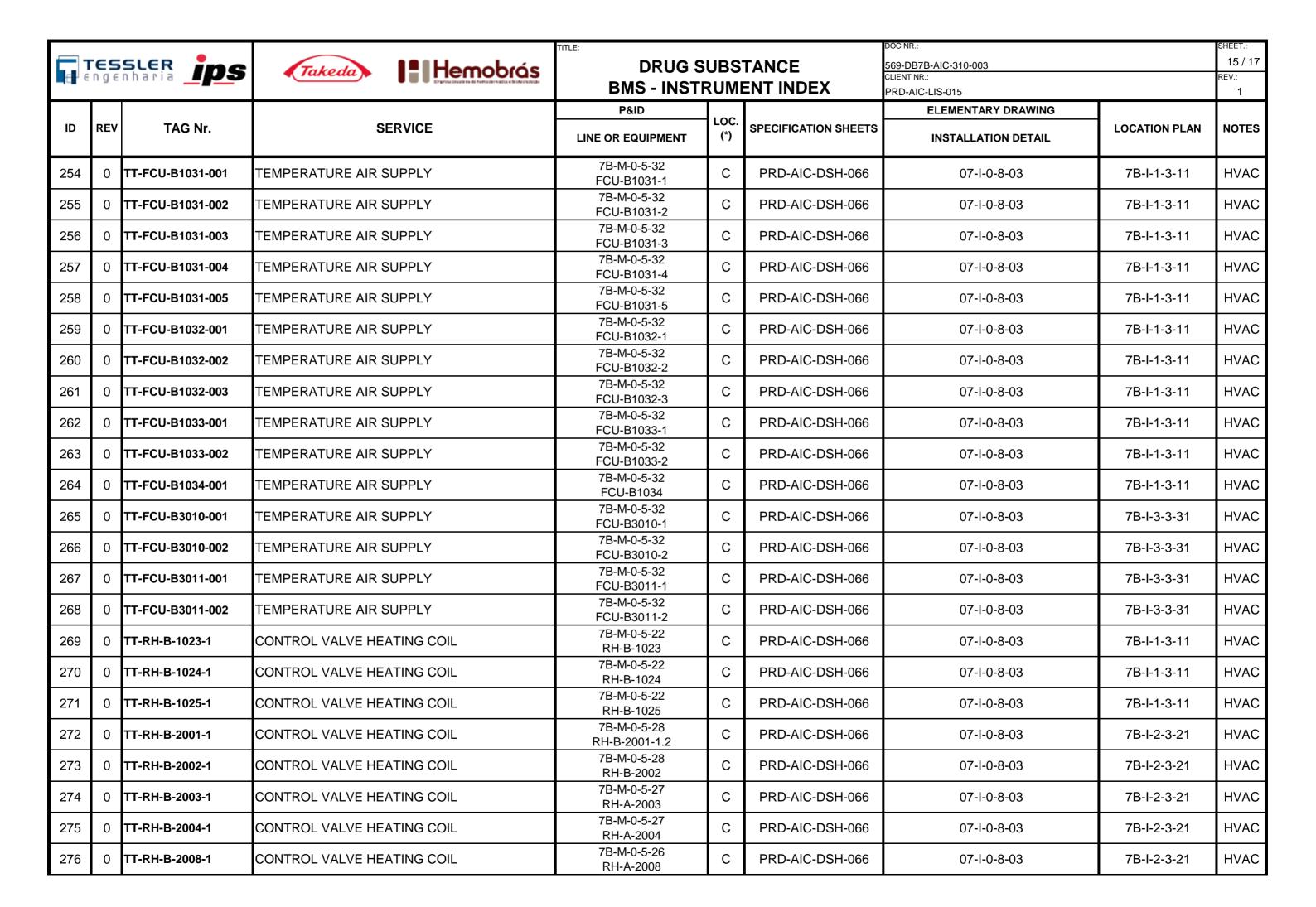


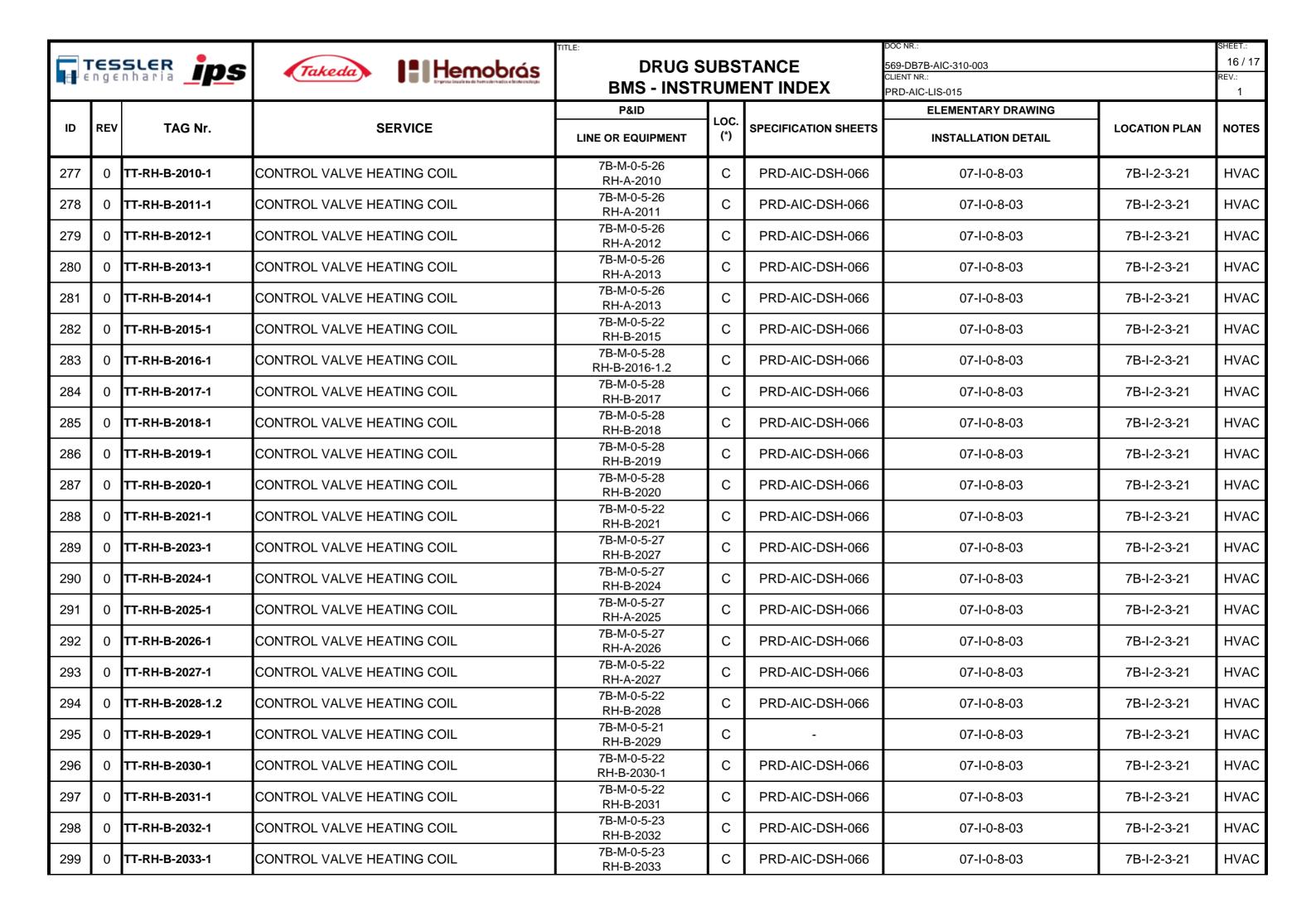












				TITLE:			DOC NR.:		
TESSLER ips			Takeda Hemobrás	DRUG S	UBS	TANCE	569-DB7B-AIC-310-003 CLIENT NR.:		
			Omprosa brasile sa de hema derivados e la clas encliegta	<b>BMS - INSTRUMENT INDEX</b>			PRD-AIC-LIS-015		
				P&ID			ELEMENTARY DRAWING		
ID	REV	TAG Nr.	SERVICE	LINE OR EQUIPMENT	(*)	SPECIFICATION SHEETS	INSTALLATION DETAIL	LOCATION PLAN	NOTES
300	0	TT-RH-B-2034-1	CONTROL VALVE HEATING COIL	7B-M-0-5-23 RH-B-2034	С	PRD-AIC-DSH-066	07-I-0-8-03	7B-I-2-3-21	HVAC
301	0	TT-RH-B-2035-1	CONTROL VALVE HEATING COIL	7B-M-0-5-23 RH-B-2035	С	PRD-AIC-DSH-066	07-I-0-8-03	7B-I-2-3-21	HVAC
302	0	TT-RH-B-2036-1	CONTROL VALVE HEATING COIL	7B-M-0-5-23 RH-B-2036	С	PRD-AIC-DSH-066	07-I-0-8-03	7B-I-2-3-21	HVAC
303	0	TT-RH-B-2037-1.2	CONTROL VALVE HEATING COIL	7B-M-0-5-22 RH-B-2037	С	PRD-AIC-DSH-066	07-I-0-8-03	7B-I-2-3-21	HVAC
304	0	TT-RH-B-2038-1	CONTROL VALVE HEATING COIL	7B-M-0-5-24 RH-B-2038	С	PRD-AIC-DSH-066	07-I-0-8-03	7B-I-2-3-21	HVAC
305	0	TT-RH-B-2039-1	CONTROL VALVE HEATING COIL	7B-M-0-5-24 RH-B-2039-1.2.3.4	С	PRD-AIC-DSH-066	07-I-0-8-03	7B-I-2-3-21	HVAC
306	0	TT-RH-B-2040-1	CONTROL VALVE HEATING COIL	7B-M-0-5-25 RH-B-2040	С	PRD-AIC-DSH-066	07-I-0-8-03	7B-I-2-3-21	HVAC
307	0	TT-RH-B-2041-1	CONTROL VALVE HEATING COIL	7B-M-0-5-25 RH-B-2041	С	PRD-AIC-DSH-066	07-I-0-8-03	7B-I-2-3-21	HVAC
308	0	TT-RH-B-2042-1	CONTROL VALVE HEATING COIL	7B-M-0-5-25 RH-B-2042	С	PRD-AIC-DSH-066	07-I-0-8-03	7B-I-2-3-21	HVAC
309	0	TT-RH-B-2043-1	CONTROL VALVE HEATING COIL	7B-M-0-5-25 RH-B-2043	С	PRD-AIC-DSH-066	07-I-0-8-03	7B-I-2-3-21	HVAC
310	0	TT-RH-B-2044-1	CONTROL VALVE HEATING COIL	7B-M-0-5-25 RH-B-2044-1.2	С	PRD-AIC-DSH-066	07-I-0-8-03	7B-I-2-3-21	HVAC
311	0	TT-RH-B-2045-1	CONTROL VALVE HEATING COIL	7B-M-0-5-24 RH-B-2045	С	PRD-AIC-DSH-066	07-I-0-8-03	7B-I-2-3-21	HVAC
312	0	TT-RH-B-2046-1	CONTROL VALVE HEATING COIL	7B-M-0-5-25 RH-B-2046	С	PRD-AIC-DSH-066	07-I-0-8-03	7B-I-2-3-21	HVAC
313	0	TT-RH-B-2047-1	CONTROL VALVE HEATING COIL	7B-M-0-5-25 RH-B-2047	С	PRD-AIC-DSH-066	07-I-0-8-03	7B-I-2-3-21	HVAC
314	0	TT-RH-B-2057-1	CONTROL VALVE HEATING COIL	7B-M-0-5-22 RH-B-2057	С	PRD-AIC-DSH-066	07-I-0-8-03	7B-I-2-3-21	HVAC
315	0	TT-RH-B-2050-1	CONTROL VALVE HEATING COIL	7B-M-0-5-22 RH-B-2050	С	PRD-AIC-DSH-066	07-I-0-8-03	7B-I-2-3-21	HVAC
316	0	TT-RH-B-2051-1	CONTROL VALVE HEATING COIL	7B-M-0-5-21 RH-B-2051	С	PRD-AIC-DSH-066	07-I-0-8-03	7B-I-2-3-21	HVAC
317	0	TT-RH-B-2052-1	CONTROL VALVE HEATING COIL	7B-M-0-5-21 RH-B-2052	С	PRD-AIC-DSH-066	07-I-0-8-03	7B-I-2-3-21	HVAC
318	0	TT-RH-B-2053-1	CONTROL VALVE HEATING COIL	7B-M-0-5-22 RH-B-2053	С	PRD-AIC-DSH-066	07-I-0-8-03	7B-I-2-3-21	HVAC
319	0	TT-RH-B-2054-1	CONTROL VALVE HEATING COIL	7B-M-0-5-23 RH-B-2054	С	PRD-AIC-DSH-066	07-I-0-8-03	7B-I-2-3-21	HVAC
320	0	TT-RH-B-2056-1	CONTROL VALVE HEATING COIL	7B-M-0-5-21 RH-B-2056	С	PRD-AIC-DSH-066	07-I-0-8-03	7B-I-2-3-21	HVAC
321	0	TT-RH-B-2048-1	CONTROL VALVE HEATING COIL	7B-M-0-5-23 RH-B-2048-1.2.3.4.5	С	PRD-AIC-DSH-066	07-I-0-8-03	7B-I-2-3-21	HVAC

(\*) LOCATION C=FIELD F=IN FRONT OF PAINEL P=OPERATOR CONSOLE I=PLC