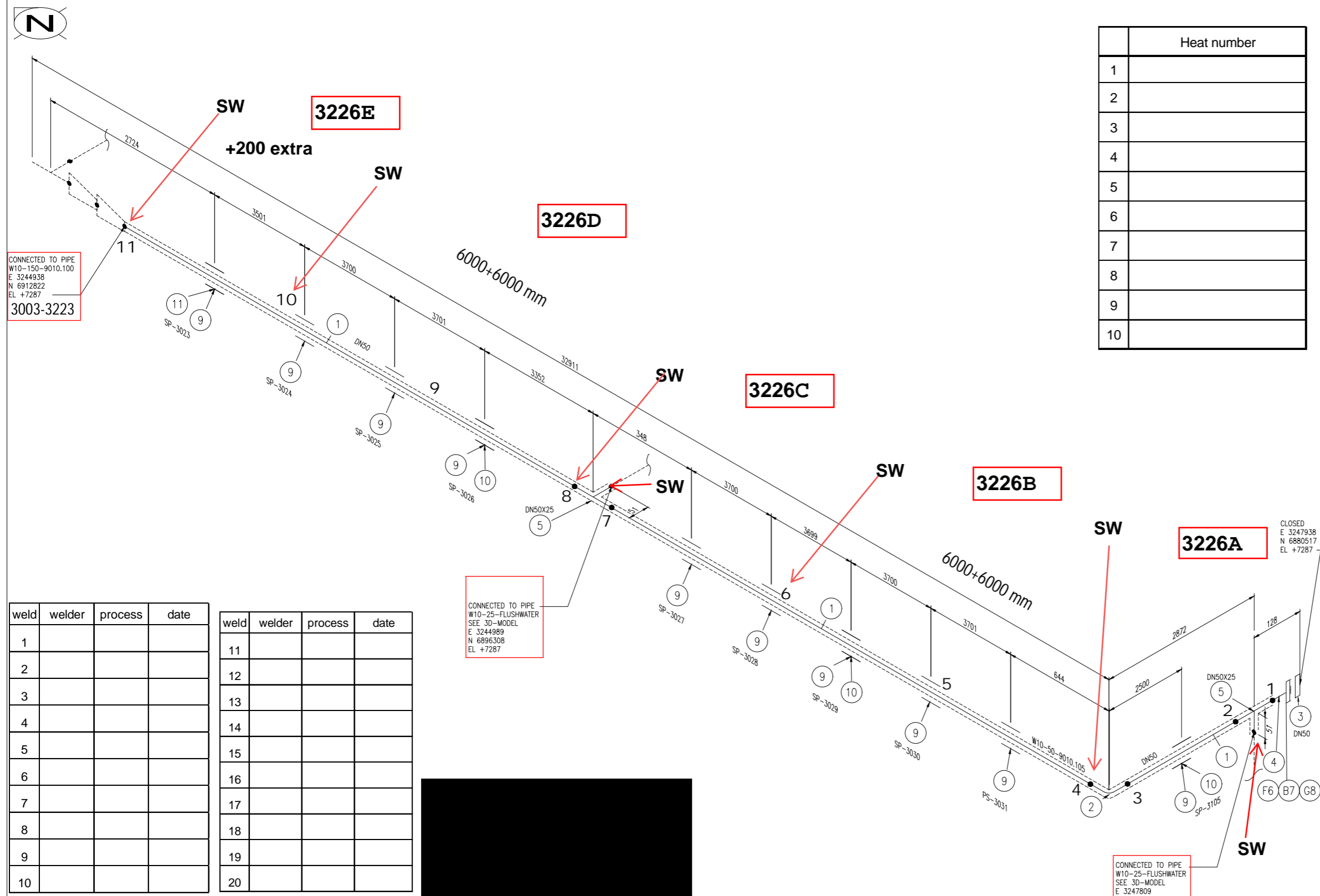


Rev	Change	Date	By	Check	App.
A	FIRST ISSUE	2025-08-22	SEMPOE	SEVSIU	SEADPR
B	ADDED SEC. STEEL REFERENCES	2025-09-15	SEMPOE	SEVSIU	SEADPR

BILL OF MATERIALS

PIPE					
ID	QTY	DESCRIPTION	DN	PRESSURE CLASS	MATERIAL CODE
1	34.9M	PIPE ACC. TO SSG 7875 - SS-EN 10217-7 - 60,3X2 - TC 1	50		1.4404
FITTINGS					
ID	QTY	DESCRIPTION	DN	PRESSURE CLASS	MATERIAL CODE
2	1	ELBOW 90° - TYPE 3D ACC. TO SSG 7875 - SS-EN 10253-4 - 60,3X2	50		1.4404
3	1	BLIND FLANGE - SS-EN 1092-1 - TYPE 05	50	16	1.4404
4	1	WELDRING NECK - SS-EN 1092-1 - TYPE 35	50	16	1.4404
5	2	TEE REDUCED ACC. TO SSG 7875 - SS-EN 10253-4 - 60,3X2 - 33,7X2	50X25		1.4404
FLANGES					
ID	QTY	DESCRIPTION	DN	PRESSURE CLASS	MATERIAL CODE
6	1	LOOSE FLANGE - SS-EN 1092-1 - TYPE 02	50	16	1.4404
FASTENERS					
ID	DESCRIPTION	PRESSURE CLASS	MATERIAL CODE		
7	BOLT ASSEMBLY INCLUDING NUTS AND WASHERS	16	A4-70		
GASKETS					
ID	QTY	DESCRIPTION	DN	PRESSURE CLASS	MATERIAL CODE
8	1	GASKET - SS-EN 1514-1 - TYPE IBC - T=1,5 MM	50	16	ARAMID FIBER
PIPE SUPPORTS					
ID	QTY	DESCRIPTION	DN	PRESSURE CLASS	MATERIAL CODE
9	10	SLIDING SUPPORT - TYPE 11AL - DK61	50		1.4404
10	4	RETAINER - D	50		1.4404

Heat number	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	



weld	welder	process	date
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

weld	welder	process	date
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

**NOTES SECONDARY SUPPORTS:**  
 1: PRIMARY SUPPORTS WITH NO REFERENCE TO A SECONDARY SUPPORT TAG NUMBER SHALL BE PLACED ON EXISTING STEEL.  
 2: PRIMARY SUPPORTS WITH REFERENCE TO A SECONDARY SUPPORT TAG NUMBER SHALL BE INSTALLED ON THAT SPECIFIC SECONDARY SUPPORT. ALL SECONDARY SUPPORTS ARE LISTED IN THE SECONDARY SUPPORT LIST.

**NOTES:**  
 1: The extent of pre-fabrication is determined by and in the responsibility of the piping contractor. Engineering documents does not take into account any pre-fabrication.  
 2: The number of field welds and location of field welds are to be determined by the piping contractor.  
 3: All dimensions are theoretical and must be checked on site by the piping contractor before prefabrication.  
 4: All dimensions, heights, and coordinates are in mm within the plant's coordinate system unless otherwise specified.  
 5: All dimensions for valves, instruments, and equipment are to be considered as preliminary and must be verified with the purchaser by the piping contractor before start of any pre-fabrication or installation of piping.  
 6: Specified theoretical locations of equipment, connections, steel structures, etc. must be verified on site by piping contractor.  
 7: The pipe contractor is responsible for cleaning, flushing and pressure testing of all pipes in their scope of supply before handover to purchaser.  
 8: The piping contractor is responsible for pipe marking of the piping in their scope of supply acc. to pipe marking list and pipe marking instructions before handover to purchaser.  
 9: For all plastic piping, a rubber insert made of 3 mm EPDM is to be supplied and installed by the piping contractor between pipe clamps and pipe outer surface.  
 10: Bolt connections (bolt ISO 4014, nut ISO 4032, washer ISO 7089) for pipe support clamps must be made of material A4-80 according to EN 3506-1.

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FLUID AND CLASS		MATERIAL		MANUFACTURING & INSTALLATION		INSPECTION & TESTING		RELATED DOCUMENTS	
Line number	W10-50-9010.105	Nominal spec	EAS10B	Standard	EN13480-4	Standard	EN 13480 - 5	P&ID	F924359-EUR-0002
Media	W10	Material group	8.1	Welding	Acc. to approved WPS/WPQR	Pressure test bar(g)	14.3	Drawing list	F958983-SWE-0001
Fluid phase	Liquid	Corrosion allowance	0	Isolation thickness	20	Pressure test fluid	WATER	Pipeline list	F958983-SWE-0057
Fluid group AFS 2023:5	2			Isolation material	Mineral wool	NDT - VT%	100%VT	Valve list	F958983-SWE-0055
Category AFS 2023:5	§8			Tracing		NDT - RT/UT%	min. 2%	Instrument list	1000005-BOL-0002
Module AFS 2023:5				Surface treatment	Pickling/Passivation	NDT - MT/PT%		Armature list	F958983-SWE-0056
Fluid group AFS 2023:11	2a			Painting				Sec. support list	F958983-SWE-0054
Class AFS 2023:11	No Class			Heat treatment	Acc. to approved WPS/WPQR			Pipe marking list	F958983-SWE-0058

This drawing is intended for use in the design of the piping system. It is not to be used for procurement or construction of the piping system without the explicit and prior consent of the piping contractor. The piping contractor is responsible for the design and construction of the piping system.

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