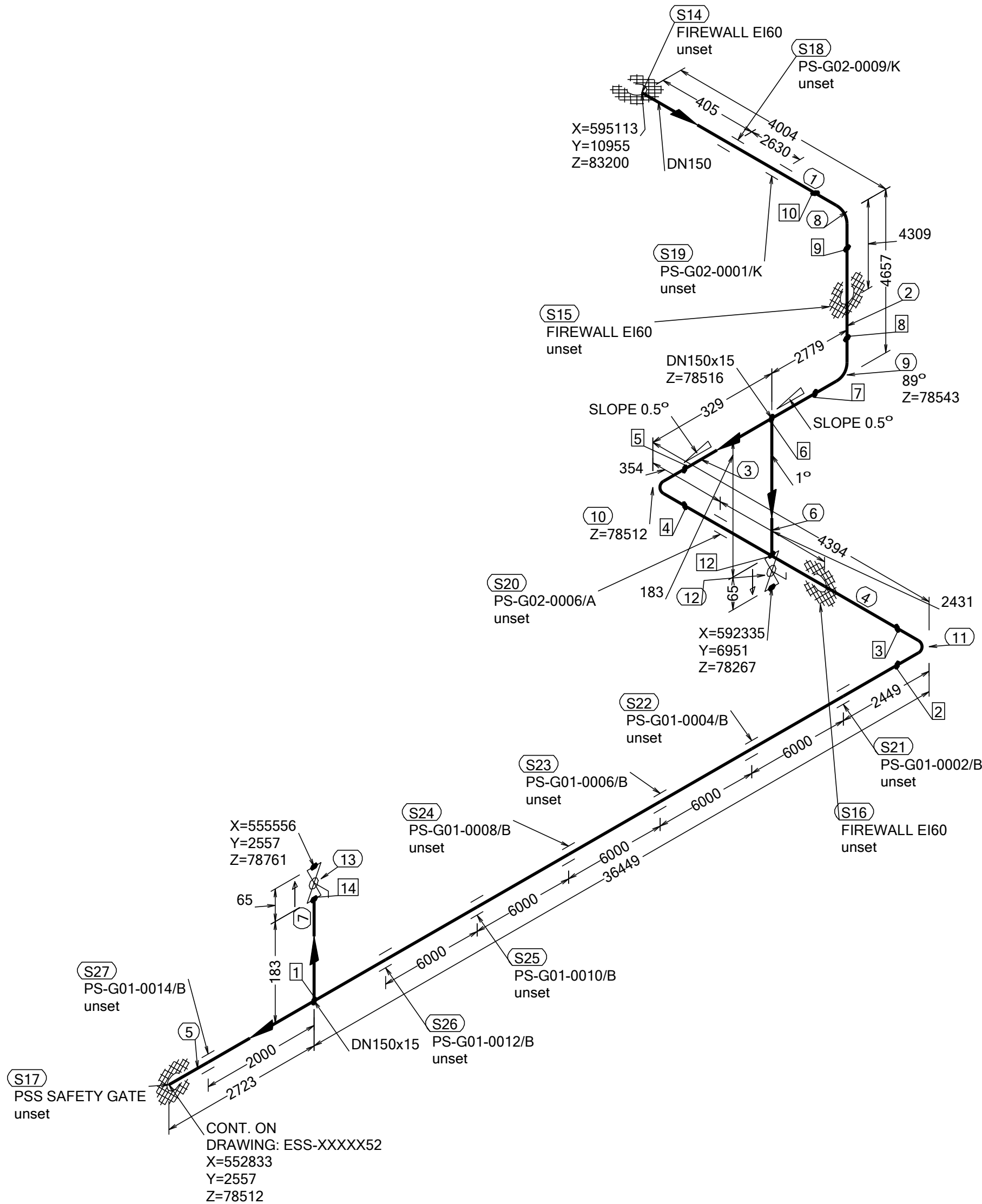



N (Y)



WELD	WPS	FABRICATION MATERIALS					
1		PT	COMPONENT DESCRIPTION	DN	MATERIAL	QTY (mm)	REMARKS
2		NO					
3							
4							
5							
6							
7							
8		1	PIPE, SS-EN 10217-7, TC1, 168.3x2.0	150	EN 1.4404	3775	SETON TEE
9		2	PIPE, SS-EN 10217-7, TC1, 168.3x2.0	150	EN 1.4404	4201	
10		3	PIPE, SS-EN 10217-7, TC1, 168.3x2.0	150	EN 1.4404	2652	
11		4	PIPE, SS-EN 10217-7, TC1, 168.3x2.0	150	EN 1.4404	3936	
12		5	PIPE, SS-EN 10217-7, TC1, 168.3x2.0	150	EN 1.4404	38943	SETON TEE
13		6	PIPE, SS-EN 10217-7, TC1, 21.3x2.0	15	EN 1.4404	100	
14		7	PIPE, SS-EN 10217-7, TC1, 21.3x2.0	15	EN 1.4404	100	
FITTINGS							
		8	ELBOW 90, TYPE 3D, SS-EN 10253-4, TYPE A, 168.3x2.0	150	EN 1.4404	1	SETON TEE
		9	ELBOW 90, TYPE 3D, SS-EN 10253-4, TYPE A, 168.3x2.0	150	EN 1.4404	1	
		10	ELBOW 90, TYPE 3D, SS-EN 10253-4, TYPE A, 168.3x2.0	150	EN 1.4404	1	
		11	ELBOW 90, TYPE 3D, SS-EN 10253-4, TYPE A, 168.3x2.0	150	EN 1.4404	1	
		12	BALL VALVE, WORCESTER A44, SHORT, BW	15		1	
		13	BALL VALVE, WORCESTER A44, SHORT, BW	15		1	

PT NO	COMPONENT DESCRIPTION	DN	MATERIAL	QTY (mm)	REMARKS
ERECTOR MATERIALS					
SUPPORTS					
14	PENETRATION ATTA	150		1	
15	PENETRATION ATTA	150		1	
16	PENETRATION ATTA	150		1	
17	PENETRATION ATTA	150		1	
18	ESS Atta	150		1	
19	ESS Atta	150		1	
20	ESS Atta	150		1	
21	ESS Atta	150		1	
22	ESS Atta	150		1	
23	ESS Atta	150		1	
24	ESS Atta	150		1	
25	ESS Atta	150		1	
26	ESS Atta	150		1	
27	ESS Atta	150		1	

WPS See Weldlist TBN	Design Temperature 50degC	Tightening Torque For Flange Joints TBN	P&ID Drawing Number ESS-0059673	General Layout Drawing Number TBN	Calculation Report ESS-0058702	Inspection Plan TBN	Area Code G01-NCL
Quality Level For Weldign Acc To TBN	Design Pressure 10bar (g)	Bend Radius N/A	Bending Procedure N/A	Coupling Installation Procedure TBN	Pressure Test Program TBN	Alternate System Tag	Date (First Issue) 170522
Weld Joint Efficiency Factor (Longitudinal) 1,0	Test Pressure 14.3bar (g)	Insulation Specification N/A				Title/Name EUROPEAN SPALLATION SOURCE ERIC WATER COOLING SYSTEM CWM-CWS02 OVERVIEW ESS.ACC.E02.E02.WP0001	
Elevation (z) Acc To BCS	Quality Class MQC4-C	Insulation Thickness N/A				Scale -	
	Media CWM	Allowance For Corrosion 0				Format A2	
	Pipe Specification MQC4-W-PN16	Surface Treatment N/A				Sheet 1 of 1	
			Document Number ESS-XXXXX34			Revision A1	

Rev	Description	Date	Drawn	Designed	Reviewed	Verified	Quality	Approved
A1	ISSUED FOR CDR	170522	FRPE	FRPE	AKCO	ANLU		