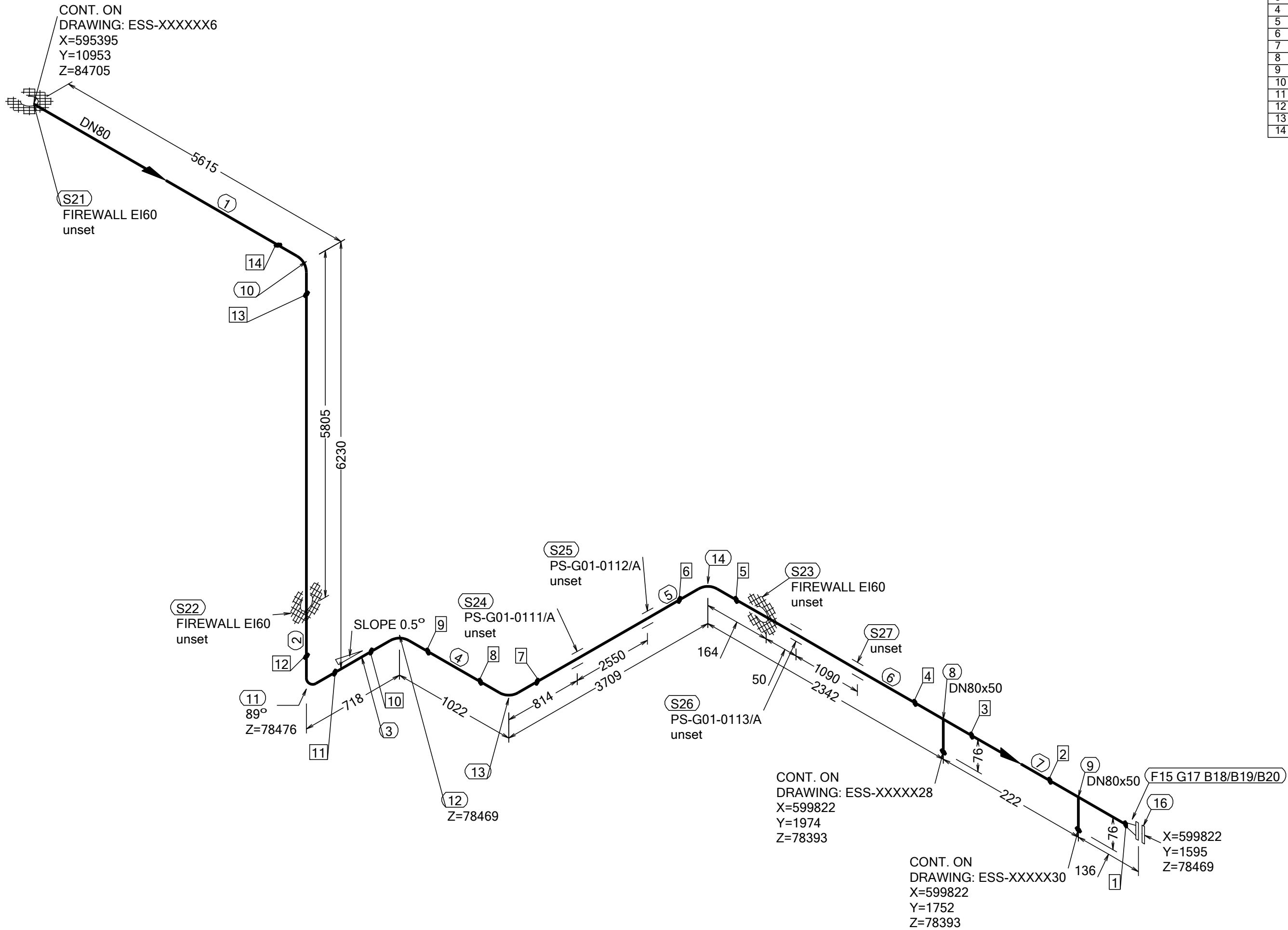



N (Y)



WELD	WPS
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FABRICATION MATERIALS					
PT NO	COMPONENT DESCRIPTION	DN	MATERIAL	QTY (mm)	REMARKS
PIPE					
1	PIPE, SS-EN 10217-7, TC1, 88.9x2.0	80	EN 1.4404	5501	
2	PIPE, SS-EN 10217-7, TC1, 88.9x2.0	80	EN 1.4404	6003	
3	PIPE, SS-EN 10217-7, TC1, 88.9x2.0	80	EN 1.4404	491	
4	PIPE, SS-EN 10217-7, TC1, 88.9x2.0	80	EN 1.4404	794	
5	PIPE, SS-EN 10217-7, TC1, 88.9x2.0	80	EN 1.4404	3481	
6	PIPE, SS-EN 10217-7, TC1, 88.9x2.0	80	EN 1.4404	2142	
7	PIPE, SS-EN 10217-7, TC1, 88.9x2.0	80	EN 1.4404	50	
FITTINGS					
8	TEE REDUCED, SS-EN 10253-4, TYPE A, 88.9x2.0 / 60.3x2.0	80 x 50	EN 1.4404	1	
9	TEE REDUCED, SS-EN 10253-4, TYPE A, 88.9x2.0 / 60.3x2.0	80 x 50	EN 1.4404	1	
10	ELBOW 90, TYPE 3D, SS-EN 10253-4, TYPE A, 88.9x2.0	80	EN 1.4404	1	
11	ELBOW 90, TYPE 3D, SS-EN 10253-4, TYPE A, 88.9x2.0	80	EN 1.4404	1	
12	ELBOW 90, TYPE 3D, SS-EN 10253-4, TYPE A, 88.9x2.0	80	EN 1.4404	1	
13	ELBOW 90, TYPE 3D, SS-EN 10253-4, TYPE A, 88.9x2.0	80	EN 1.4404	1	
14	ELBOW 90, TYPE 3D, SS-EN 10253-4, TYPE A, 88.9x2.0	80	EN 1.4404	1	
FLANGES					
15	FLANGE WN, SS-EN 1092-1, TYPE 11, PN16	80		1	
16	FLANGE BLIND, SS-EN 1092-1, TYPE 05, PN16	80		1	

ERECTION MATERIALS					
PT NO	COMPONENT DESCRIPTION	DN	MATERIAL	QTY (mm)	REMARKS
GASKETS					
17	GASKET, EN 1514-1, TYPE XXX, T=1,5mm	80	EXPANDED GRAPHITE	1	
BOLTS					
18	HEXAGONAL NUT, M6M, ISO 4032	16	EN 1515-4, A4	8	
19	WASHER, BRB, ISO 7089	16	A4, HV≥250	16	
20	70 mm HEXAGONAL BOLT, M6S, ISO 4017	16	EN 1515-4, A4-70	8	
SUPPORTS					
21	PENETRATION ATTA	80		1	
22	PENETRATION ATTA	80		1	
23	PENETRATION ATTA	80		1	
24	ESS Atta	80		1	
25	ESS Atta	80		1	
26	ESS Atta	80		1	
27	ESS Atta	80		1	

WPS See Weldlist TBN	Design Temperature 50degC	Tightening Torque For Flange Joints TBN	P&ID Drawing Number ESS-0059672	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 CWL-CWS01 OVERVIEW ESS.ACC.E02.E01.WP0001		Scale -
Elevation (z) Acc To BCS	Quality Class MQC4-C	Insulation Thickness N/A					Format A2
	Media CWM	Allowance For Corrosion 0					Sheet 1 of 1
	Pipe Specification MQC4-W-PN16	Surface Treatment N/A					Revision A1
					Document Number ESS-XXXXX26		

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