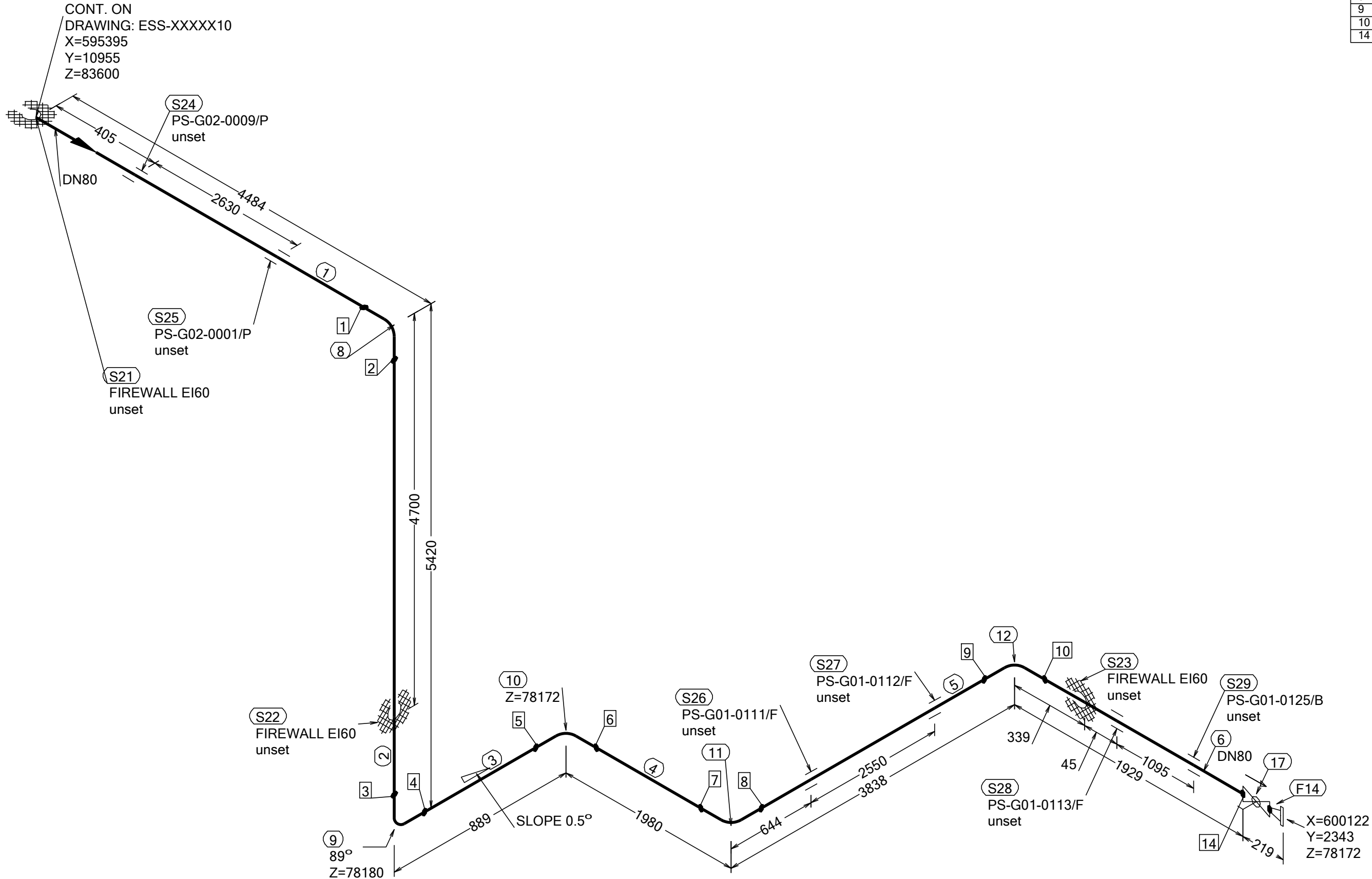
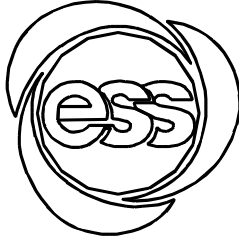


N (Y)



WELD	WPS	FABRICATION MATERIALS					
1		PT	COMPONENT DESCRIPTION	DN	MATERIAL	QTY	REMARKS
2		NO				(mm)	
3							
4							
5							
6			PIPE				
7							
8		1	PIPE, SS-EN 10217-7, TC1, 88.9x2.0	80	EN 1.4404	4370	
9		2	PIPE, SS-EN 10217-7, TC1, 88.9x2.0	80	EN 1.4404	5193	
10		3	PIPE, SS-EN 10217-7, TC1, 88.9x2.0	80	EN 1.4404	662	
14		4	PIPE, SS-EN 10217-7, TC1, 88.9x2.0	80	EN 1.4404	1752	
		5	PIPE, SS-EN 10217-7, TC1, 88.9x2.0	80	EN 1.4404	3610	
		6	PIPE, SS-EN 10217-7, TC1, 88.9x2.0	80	EN 1.4404	1815	
			FITTINGS				
		8	ELBOW 90, TYPE 3D, SS-EN 10253-4, TYPE A, 88.9x2.0	80	EN 1.4404	1	
		9	ELBOW 90, TYPE 3D, SS-EN 10253-4, TYPE A, 88.9x2.0	80	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	
			FLANGES				
		14	FLANGE WN, SS-EN 1092-1, TYPE 11, PN16	80		1	
			VALVES / IN-LINE ITEMS				
		17	WORCESTER BALL VALVE BW, A599-666TT7TZ-BWJ DN80	80	EN 1.4404	1	
ERECTION MATERIALS							
PT		COMPONENT DESCRIPTION	DN	MATERIAL	QTY	REMARKS	
NO					(mm)		
		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		
28		ESS Atta	80		1		
29		ESS Atta	80		1		

WPS See Weldlist TBN	Design Temperature 50degC	Tightening Torque For Flange Joints TBN	P&ID Drawing Number ESS-0060416	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 DIW SUPPLY FOR FEB ESS.ACC.E02.E03.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			Document Number ESS-XXXXX36	Revision A1	

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