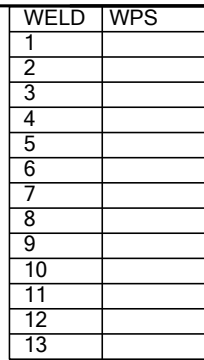



CONT. ON  
DRAWING: ESS-XXXXX20  
X=595118  
Y=10956  
Z=83630



FABRICATION MATERIALS					
PT NO	COMPONENT DESCRIPTION	DN	MATERIAL	QTY (mm)	REMARKS
	<u>PIPE</u>				
1	PIPE, SS-EN 10217-7, TC1, 168.3x2.0	150	EN 1.4404	4044	
2	PIPE, SS-EN 10217-7, TC1, 168.3x2.0	150	EN 1.4404	4928	
3	PIPE, SS-EN 10217-7, TC1, 168.3x2.0	150	EN 1.4404	2958	
4	PIPE, SS-EN 10217-7, TC1, 168.3x2.0	150	EN 1.4404	3903	
5	PIPE, SS-EN 10217-7, TC1, 168.3x2.0	150	EN 1.4404	34393	
6	PIPE, SS-EN 10217-7, TC1, 168.3x2.0	150	EN 1.4404	1440	
7	PIPE, SS-EN 10217-7, TC1, 168.3x2.0	150	EN 1.4404	85	
	<u>FITTINGS</u>				
8	ELBOW 90, TYPE 3D, SS-EN 10253-4, TYPE A, 168.3x2.0	150	EN 1.4404	1	
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	ELBOW 90, TYPE 3D, SS-EN 10253-4, TYPE A, 168.3x2.0	150	EN 1.4404	1	
13	ELBOW 45, TYPE 3D, SS-EN 10253-4, TYPE A, 168.3x2.0	150	EN 1.4404	1	
	<u>FLANGES</u>				
14	FLANGE WN, SS-EN 1092-1, TYPE 11, PN16	150		1	

ERECTION MATERIALS					
PT NO	COMPONENT DESCRIPTION	DN	MATERIAL	QTY (mm)	REMARKS
	<u>SUPPORTS</u>				
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	
28	ESS Atta	150		1	
29	ESS Atta	150		1	
30	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-NO
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.WP0005		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-XXXXX46		Revision A1