

N (Y)

CONT. ON
DRAWING: ESS-XXXXX26
X=599822
Y=1974
Z=78393

DN50

76

1

2

5

Z=78317

CONT. ON
DRAWING: ESS-XXXXX32
X=602098
Y=1974
Z=76639

6

7

8

8

F7

X=602158
Y=1974
Z=76339

3

DN50x40
Z=76639

60

64

76

160


4

DN50x40

WELD	WPS
1	
2	
3	
4	
5	
6	
7	
8	

FABRICATION MATERIALS					
PT NO	COMPONENT DESCRIPTION	DN	MATERIAL	QTY (mm)	REMARKS
	<u>PIPE</u>				
1	PIPE, SS-EN 10217-7, TC1, 60.3x2.0	50	EN 1.4404	2184	
2	PIPE, SS-EN 10217-7, TC1, 60.3x2.0	50	EN 1.4404	1538	
	<u>FITTINGS</u>				
3	TEE REDUCED, SS-EN 10253-4, TYPE A, 60.3x2.0 / 48.3x2.0	50 x 40	EN 1.4404	1	
4	REDUCER CONC, SS-EN 10253-4, TABLE A.5, 60.3x2.0 / 48.3x2.0	50 x 40	EN 1.4404	1	
5	ELBOW 90, TYPE 3D, SS-EN 10253-4, TYPE A, 60.3x2.0	50	EN 1.4404	1	
6	ELBOW 90, TYPE 3D, SS-EN 10253-4, TYPE A, 60.3x2.0	50	EN 1.4404	1	
	<u>FLANGES</u>				
7	FLANGE WN, SS-EN 1092-1, TYPE 11, PN40	40		1	
	<u>VALVES / IN-LINE ITEMS</u>				
8	BALL VALVE, WORCESTER A44, SHORT, BW	40		1	

ERECTION MATERIALS					
PT NO	COMPONENT DESCRIPTION	DN	MATERIAL	QTY (mm)	REMARKS
SUPPORTS					
9	ESS Atta	50		1	
10	ESS Atta	50		1	
11	ESS Atta	50		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.WP0003		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-XXXXX28				

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