


DESIGN TEMP (°C) / TEMPERATURA DE DISEÑO							DESIGN/DISEÑO	M. ROCHE	18-04-02
DESIGN PRESS (kPa) / PRESION DE DISEÑO	2	RE-ISSUED FOR FABRICATION		MR	PD	18-10-11			
DESIGN CODE & CLASS / CODIGO Y CLASE DE DISEÑO	1	RE-ISSUED FOR FABRICATION		MR	PD	18-09-07	DRAWN/DIBUJADO	M. ROCHE	18-04-02
INSULATION (TYPE/THK) / AISLACION (TIPO/ESPESOR)	0	ISSUED FOR FABRICATION		MR	PD	18-07-06			
TRACING / TRAZADO	C	ISSUED FOR TENDER		MR	PD	18-05-08			
NDE	B	ISSUED FOR PROJECT REVIEW		MR	PD	18-04-05	CHECKED/VERIFICADO	A. CHARLEB 	18-04-05
TEST TYPE / PRUEBA TIPO	A	ISSUED FOR INTERNAL REVIEW		MR	PD	18-04-05			
TEST PRESS (kPa) / PRUEBA DE PRESION	REV	DESCRIPTION / DESCRIPCION		BY / DE	ENG	DATE/FECHA	ENGINEER/INGENIERO	P. DUMONT	18-04-05

CLIENT /	
CLIENTE	



PT No	QTY CANT.	SIZE DIM.	DESCRIPTION DESCRIPCIÓN
1	22122	MM300	PIPE, CS, ERW, PLAIN, GROOVED ENDS C/W 6mm RUBBER LINED GROOVED AS PER VICTAULIC 25.03 A53 Gr.B STD, ERW
2	400	MM300	100MM NIPPLE, GROOVED END AS PER 25.03 + BW END, ASTM A53 GR B. RUBBERLINED 6MM
3	1	300X80	TEE, RED, VICTAULIC NO. 25 GROOVED TO VICTAULIC 25.01, 6MM RUBBER DUCTILE IRON, A536
4	2	300	90 DEG 3D BEND TRIMMED, CARBON STEEL, BW, ASTM A53 GR B. RUBBERLINED 6MM
5	1	300	45 DEG 3D BEND, VICTAULIC NO. 110-3D, GROOVED TO VICTAULIC 25.01, 6MM RUBBER DUCTILE IRON, A536
6	1	300	FLANGE, CL150, VICTAULIC NO 45F, CUT GROOVE ENDS, RUBBER 6MM, 3MM FACE DUCTILE IRON, ASTM A536
7	1	80	FLANGE, CL150, VICTAULIC NO 45F, CUT GROOVE ENDS, RUBBER 6MM, 3MM FACE DUCTILE IRON, ASTM A536
8	1	300	FE0135
9	2	300	PIPE CLAMP HANGER ASSEMBLY
10	1	300	CLAMPED SLOPED MEDIUM PIPE SHOE - 3 DEGREE SLOPE
11	6	300	COUPLING, FLEXIBLE, STYLE 77 FLEX COUPLING DUCTILE IRON, A536
12	5	300	COUPLING, RIGID, STYLE 07 ZERO-FLEX RIDGID COUPLING DUCTILE IRON, A536
13	1	80	COUPLING, RIGID, STYLE 07 ZERO-FLEX RIDGID COUPLING DUCTILE IRON, A536
14	1	300	GASKET, 1.5MM RING or FULL FACE TO SUIT FLANGES GARLOCK 3000
15	2	80	GASKET, 1.5MM RING or FULL FACE TO SUIT FLANGES GARLOCK 3000
16	12	22	BOLT, HEX HD BOLTS c/w HEX HEAD NUT A193 Gr.B7, A194 Gr.2H - 127 mm Length
17	24	22	WASHER, ROUND, FLAT, STEEL, GALV, for 0.875in bolt
18	8	16	BOLT, HEX HD BOLTS c/w HEX HEAD NUT A193 Gr.B7, A194 Gr.2H - 101.6 mm Length
19	16	16	WASHER, ROUND, FLAT, STEEL, GALV, for 0.625in bolt
20	1	80	KNIFE GATE VALVE, CLARKSON KGA, FLANGE TYPE (KG01)



1. FOR PROJECT PIPING STANDARDS, REFER TO DRAWING ECFN-AUS-PI-6000-STD-01001.
2. ALL ISOMETRICS ARE DRAWN TO VICTAULIC STANDARD GROOVE SPECIFICATIONS 25.01.
3. ALL DIMENSIONS INDICATED ARE TO THE FACE OF STEEL.
4. GAPS WHERE VICTAULIC COUPLINGS WILL BE ADDED RESPECTS VICTAULIC STANDARD DIMENSIONS FOR MAXIMUM SEPARATION ALLOWANCE.

FOR RUBBERLINING MANUFACTURING PURPOSE

1. STRAIGHT PIPE SPOOLS AND CUSTOM FITTINGS ARE TO BE FABRICATED TO VICTAULIC STANDARD GROOVE DIMENSIONS FOR RUBBER LINING 25.03.
2. FOR PIPE-TO-FITTING JUNT, FITTINGS ARE TO BE SUPPLIED AS PER VICTAULIC STANDARD GROOVE SPECIFICATIONS 25.01 (3 MM RUBBER TO BE ADDED).
3. FOR FITTING-TO-FITTING JUNT, 12 INCH AND LESS, FITTINGS ARE TO BE SUPPLIED AS PER VICTAULIC STANDARD GROOVE SPECIFICATIONS 25.01 (1.6 TO 3 MM RUBBER TO BE ADDED).
4. FOR FITTING-TO-FITTING JUNT, 14 INCH AND LARGER, FITTINGS ARE TO BE SUPPLIED AS PER VICTAULIC STANDARD GROOVE SPECIFICATIONS 25.03.

LINE NUMBER NÚMERO DE LINEA	6210-300-SPR-L03-0114	SPEC ESP.	L03	P&ID NUMBER NÚMERO P&ID	6210-PID-00001
TITLE / TÍTULO FRUTA DEL NORTE PROJECT PIPING ISOMETRIC PROYECTO FRUTA DEL NORTE ISOMÉTRICOS DE TUBERÍAS			SUB-PROJECT / ENGINEERING CONSTRUCTION / SUB-PROYECTO: INGENIERÍA Y CONSTRUCCIÓN		SIZE / TAMA NO A3
			ALL DIMENSIONS IN MM / TODAS LAS DIMENSIONES EN MM		
					REV. 2
			DRAWING No ECFN-AUS-PI-6210-ISO-01013		