



BILL OF MATERIALS				
ID	QTY	ND	DESCRIPTION	
1	0.2M	1/2"	PIPE SEAMLESS, MATERIAL: API 5L GR B, SCH 80/XS, BEVELLED END,ASME B36.10.	
2	3.6M	2"	PIPE SEAMLESS, MATERIAL: API 5L GR B, SCH 40/STD, BEVELLED END,ASME B36.10.	
3	0.8M	2"	PIPE SEAMLESS, MATERIAL: API 5L GR B, SCH 80/STD, BEVELLED END,ASME B36.10.	
4	1	2"	CAP, MATERIAL: ASTM A234 GR WPB, SEAMLESS, BWE, ASME B16.9, SCH 80/STD	
5	4	5/8"X85	STD BOLT 2HY HX NUT A193 GR.B7/A194 ZINC, RF, 150 LB, ASME B18.2.1 & ASME B18.2.2	
6	1	2"	EQUAL TEE 90.0°, BW, ASTM A234 GR. WPB, SCH 40/STD, ASME B16.9	
7	1	2"x1/2"	SOCKOLET, 3000 LB, SW, ASTM A105, ASME B16.11.	
8	2	2"	FLANGE, WN, 150LB, RF, SCH 40/STD, ATSM A105, ASME B16.6	
9	1	1/2"	BALL VALVE, 800 LB, SW + NIP, ASME B16.10, ASTM A105, PTFE, PT, FLOATING, API 6D	
10	2	1 1/2"	SUPPORT PIPE (ACCORDING TO TYPICAL)	
11	1	2"	SUPPORT PIPE (ACCORDING TO TYPICAL)	
12	1	2"	SPIRAL WOND GASKET 304/GRAPHITE-CS-, ZINC CR/304 IR, 4.5MM, 150 LB, ASME B16.20	
PROJECT NAME:				
Interconexión y optimización de la línea de alta presión en las ESR's -EE.SS. (1ra fase)				
TITLE:				
Interconexion Rack de Botellones y ESR63				
DRAWING NUMBER:				
P2275538-USIME1-ESR63-LT-0001				
LINE NO:	AREA:	UNIT:	TYPE:	
2"-NG-63810-CS2500G				
JOB NUMBER:	SCALE:	SHEET:	OF	REV.
	N.T.S.	3C	3C	0