



BILL OF MATERIAL						
PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS	
PIPE SUPPORTS						
1	U BOLT (FOR GUIDE)-P02D	2	495	1		
2	VERTICAL STAKES WELDED TO STR. ST42 L80X80X10	2	495	1		
PIPE						
3	PIPE - A53-B GALV MTE SMLS T01AC11W02 S-XS <PIPG010C12XS> (N/A).	2	I145688	2.5 M		
4	PIPE - A53-B GALV MTE SMLS T01AC11W02 S-XS <PIPG010C11XS> (N/A).	1	I145594	1.0 M		
5	PIPE - A53-B GALV MTE SMLS T01AC11W02 S-XS <PIPG010C11XS> (N/A)	1	I145594	0.3 M		
FITTINGS						
6	REDUCING TEE ASME B16.11 3000# A105 GALV FTE FTE - R12FNC022201 NREQD <RTEG300KBK21> (L-RTE01).	2X1	I225442	2		
7	45 ELBOW ASME B16.11 3000# A105 GALV FTE FTE - R32FNC022201 NREQD <45TG300KBK2> (L-8908).	2	I214935	1		
8	CONCENTRIC SWAGE MSS SP-95 - A105 GALV MTE MTE SMLS SCH1-XS SCH2-XS R21FQC02WW01 <CSWG010DR12161016> (L-CSW28)	1X1/2	I4198150	2		
9	90 ELBOW ASME B16.11 3000# A105 GALV FTE FTE - R31FNC022203 NREQD <90TG300KBK1> (L-8907).	1	I214920	2		
10	90 ELBOW ASME B16.11 3000# A105 GALV FTE FTE - R31FNC022203 NREQD <90TG300KBK1> (L-8907)	1	I214920	4		
11	COUPLING ASME B16.11 3000# A105 GALV FTE FTE - R01FNC022201 NREQD <FCPG300KBK1/2> (L-8910).	1/2	I214895	2		
FLANGES						
12	THD FLANGE ASME B16.5 150# A105 GALV RFFE FTE 125 - 250 AARH F03CDC02B205 <THFG300R152> (L-8918).	2	I215065	2		
GASKETS						
13	FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.5 G02HDP2QR01 <NMGQ009R1FC2> (L-NMG11)	2	I1169030	1		
BOLTS						
14	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H GALV. INCH SIZE I01OB6001 <SB2R6G5/831/2> - 2 NUTS PER BOLT - 85 mm Length	5/8	I49881360	4		
NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST. 2. FOR VENT, DRAIN OR INSTRUMENT CONNECTION DETAILS SEE 45-L-45-000-2-00-80102. 3. WELDING ACCORDING TO 45-L-45-000-2-00-80021. 4. PAINTING ACCORDING TO 45-A-45-000-1-00-20160. 5. CODE SHOWN IN BOM BETWEEN "<" & ">" DENOTES REPSOL UNICODE. "<N/A>" MEANS UNICODE IS "NOT AVAILABLE".						
PIPE MATERIAL CS, Galvanized		<div>CONTRACTOR:</div> <div>CONTRACTOR DRAWING NUMBER:</div> <div>PROJECT:</div> <div>4274-XH-DL-2121FW68W11-3</div> <div>4001008</div>				
HEAT TREATMENT (PWHT) -						
PAINTING SCHEME (3) 4						
PIPING CLASS B-13		<div>LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT</div> <div>CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX</div>				
WELDING CLASS (4) -						
PED CATEGORY Art 4.3						
INSULATION CODE / THK. (mm) N 0		ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121FW68W11-3		REV. 01