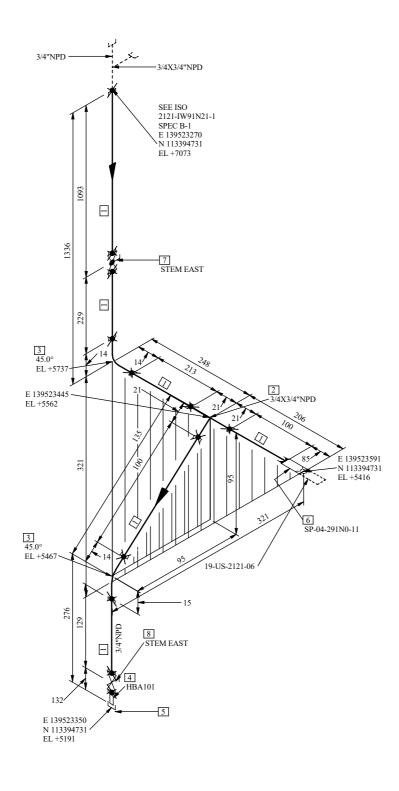
N



PBPE	PT NO COMPONENT DESC	CRIPTION			N.S. (IN)	ITEM CODE	QTY.	HOLD STATUS			
EITINAS  U-17-19  U-17-19  U-17-19  STEP AND BIAL 1 2000 A 160'S NW E SWE - RIPSCH-1010 NREQD - TESA-200 LBC-34-  STRANDERS-14- G-188)  STREP A - AND EMBER 1500 A 160'S TEN NREQD - REIPSCH-2001 NREQD - CATA-300K BIAL 150'D - 1  STREP A - AND EMBER 1500 A 160'S TEN NREQD - REIPSCH-2001 NREQD - CATA-300K BIAL 150'D - 1  U-17-10- G-18- SPECIAL TO COMPONENT  VALVES FUND HILLER 1500 A 160'S TEN NREQD - REIPSCH-2001 NREQD - CATA-300K BIAL 150'D - 1  SECIAL TO COMPONENT  VALVES FUND HILLER 1500 A 160'S TEN NREQD - REIPSCH-2001 NREQD - CATA-300K BIAL 150'D - 1  SECIAL TO COMPONENT  VALVES FUND HILLER 1500 A 160'S TEN NREQD - REIPSCH-2001 NREQD - CATA-300K BIAL 150'D - 1  SECIAL TO COMPONENT  VALVES FUND HILLER 1500 A 160'S TEN NREQD - REIPSCH-2001 NREQD - CATA-300K BIAL 150'D - 1  SECIAL TO COMPONENT  VALVES FUND HILLER 1500 A 160'S TEN NREQD - REIPSCH-2001 NREQD - CATA-300K BIAL 150'D - 1  SECIAL TO COMPONENT  VALVES FUND HILLER 1500 A 160'S TEN NREQD - REIPSCH-2001 NREQD - CATA-300K BIAL 150'D - 1  SECIAL TO COMPONENT  VALVES FUND HILLER 1500 A 160'S TEN NREQD - REIPSCH-2001 NREQD - CATA-300K BIAL 150'D - 1  SECIAL TO COMPONENT  VALVES FUND HILLER 1500 A 160'S TEN NREQD - REIPSCH-2001 NREQD - CATA-300K BIAL 150'D - 1  SECIAL TO COMPONENT  VALVES FUND HILLER 1500 A 150'D - 1  SECIAL TO COMPONENT - REIPSCH-2001 NREQD - CATA-300K BIAL 150'D - 1  SECIAL TO COMPONENT - REIPSCH-2001 NREQD - CATA-300K BIAL 150'D - 1  SECIAL TO COMPONENT - REIPSCH-2001 NREQD - CATA-300K BIAL 150'D - 1  SECIAL TO COMPONENT - REIPSCH-2001 NREQD - CATA-300K BIAL 150'D - 1  SECIAL TO COMPONENT - REIPSCH-2001 NREQD - CATA-300K BIAL 150'D - 1  SECIAL TO COMPONENT - REIPSCH-2001 NREQD - CATA-300K BIAL 150'D - 1  SECIAL TO COMPONENT - REIPSCH-2001 NREQD - CATA-300K BIAL 150'D - 1  SECIAL TO COMPONENT - REIPSCH-2001 NREQD - CATA-300K BIAL 150'D - 1  SECIAL TO COMPONENT - REIPSCH-2001 NREQD - CATA-300K BIAL 150'D - 1  SECIAL TO COMPONENT - REIPSCH-2001 NREQD - CATA-300K BIAL 150'D - 1  SECIAL TO COMPONENT - REPSCH-2001 NREQD - CATA-300K BIAL 150'D - 1	PIPE	T01AC03Z02 S-XS <pipa< td=""><td>4010A13/4X</td><td>S&gt; (L-6679)</td><td>3/4</td><td>1132785</td><td></td><td></td></pipa<>	4010A13/4X	S> (L-6679)	3/4	1132785					
3   \$15   \$100	FITTINGS										
### ATTERLAL   NOTES: 1 FOR THE SHOULD SEE ALL-0000 FLOWER SHOULD SEE ALL-0	(L-179)			-							
STOCA ASME BELD 3000 A 100N TEX NEIDO - RELINICATION INREQUISING SERVICES   34   116 1866   1	<45FA300LBK3/4> (L-18	4)		-		11051294					
5 CAT ARMEDIALI 3000F ALGEN PTE NIEQD - RELIFICACIZODI NIEQD CATAJONGES344 34 ILS186 1  (L79) 6 SPECIALTY COMPONENT 34 SPAGL29/NO.11 1  ANTICES ILST INSET TIMES 7 GLORG VALVE AND 602 8000 ALGEN SWE SWE SHARED FACED AND 602 872H BRI-OSAY 34 III.426472 1  AND 602 HW VOIGCC41111 NEEQD - ACG. 41-250- (1-250) 8 GATE VALVE AND 62 8000 ALGEN SWE SWE SHARED FACED AND 602 872H BRI-OSAY 30W 34 III.426491 1  AND 602 HW VOIGCC41111 NEEQD - CG. 2, 41-656- (1-6560)  8 GATE VALVE AND 62 8000 ALGEN SWE SWE SHARED FACED AND 602 872H BRI-OSAY SOW 34 III.426491 1  AND 602 HW VOIGCC41111 NEEQD - CG. 2, 41-656- (1-6560)  8 GATE VALVE AND 62 8000 ALGEN SWE SWE SHARED FACED AND 602 872H BRI-OSAY SOW 34 III.426491 1  AND 602 HW VOIGCC41111 NEEQD - CG. 2, 41-656- (1-6560)  NOTES: 1 FWE HERROS-ALIBHOLAS SPE LANGENT  2 TO SERVE BRITTON OF SPECIAL SWE SWE SHARED FOR LANGE SWE SANGE SWE SWE SWE SHARED FOR CONTROLLED AND 10-200- 10-20	4 NIPPLE A106-B PE MTE SMLS LENGTH 100mm R03AQC03ZW04 S-XS <ntoa010e1111624> (L-7888)</ntoa010e1111624>				3/4	I2221184	1				
SPECIALTY COMPONENT	5 CAP ASME B16.11 3000#		41FNC44200	01 NREQD <cata300kbk3 4=""></cata300kbk3>	3/4	11651686	1				
FRE MATERIAL	6 SPECIALTY COMPONEN	TV			3/4	SP-04-291N0-11	1 1				
FIFE MATERIAL  APT 602 HW VOIGIC 441111 NREQD - GG3_4L-6566- (L-6566)  NOTES: 1, FOR THORNOLL DEPOLAS SELECTION.  2 FOR VOICING AND INSTRUMENT CONSISTENCE SELECTION.  CS  1 WILLIAM STREAM SELECTION SELECTION SELECTION SELECTION.  1 VIOLEN SELECTION SELECTION SELECTION SELECTION.  2 FOR VOICING AND OR INSTRUMENT CONSISTENCE SELECTION.  3 WILLIAM SELECTION SELECTION SELECTION SELECTION SELECTION.  4 FOR THORNOLL SELECTION SELECTION SELECTION SELECTION.  5 WILLIAM SELECTION SELECTION SELECTION SELECTION SELECTION.  6 FOR THORNOLL SELECTION SELECTION SELECTION SELECTION.  6 FOR THORNOLL SELECTION SELECTION SELECTION SELECTION.  6 FOR THORNOLL SELECTION SELECTION SELECTION.  6 FOR THORNOLL SELECTION SELECTION SELECTION.  6 FOR THORNOLL SELECTION.  7 FOR THORNOLL SELECTION.  7 FOR THORNOLL SELECTION.  7 FOR THORN		800# A105N SWE SWE 5	05N SWE SWE 5-HARDFACED API 602 B7/2H BB-OS&Y			I11426472	1				
PRE MATERIAL  NOTES: 1. FOR THE SYSTEMS LIBERT LIBE		_	QD <a63_4l-296> (L-296) N SWE SWE 5-HARDFACED API 602 B7/2H BB-OS&amp;Y SOW</a63_4l-296>			I11426464	1				
2. FOR VENT, DRAIN OR INSTRUMENT CONNECTION DETAILS SEE 45-L45-000-2-00-80102.  3. WELDING ACCORDING TO 45-L45-000-2-00-80021.  4. PAINTING ACCORDING TO 45-L45-000-2-00-80021.  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".  PAINTING SCHEME (3)  CONTRACTOR:  CONTRACTOR DRAWING NUMBER:  PROJECT:  4274-XH-DL-2121IW91N21-2  WELDING CLASS (4)  LOW LINEAL DENSITY POLYETHILENE (PEL)  AND POLYPROPYLENE (PP) PLANTS  FOR PROJECT - ALBA PROJECT  CLIENT / COMPLEX  REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX  REPSOL POLYMEROS/ SINES INDU							-				
2. FOR VENT, DRAIN OR INSTRUMENT CONNECTION DETAILS SEE 45-L45-000-2-00-80102.  3. WELDING ACCORDING TO 45-L45-000-2-00-80021.  4. PAINTING ACCORDING TO 45-L45-000-2-00-80021.  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".  PAINTING SCHEME (3)  CONTRACTOR:  CONTRACTOR DRAWING NUMBER:  PROJECT:  4274-XH-DL-2121IW91N21-2  WELDING CLASS (4)  LOW LINEAL DENSITY POLYETHILENE (PEL)  AND POLYPROPYLENE (PP) PLANTS  FOR PROJECT - ALBA PROJECT  CLIENT / COMPLEX  REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX  REPSOL POLYMEROS/ SINES INDU											
S. WELDING ACCORDING TO 45-L-45-000-2-00-80021.  4. PAINTING 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".  PAINTING SCHEME (3)  1  PIPING CLASS  B-1  Tecnimont  4274-XH-DL-2121IW91N21-2  4001008  WELDING CLASS (4)  LOW LINEAL DENSITY POLYETHILENE (PEL)  AND POLYPROPYLENE (PP) PLANTS  FOR PROJECT - ALBA PROJECT  NSULATION CODE/THK. (mm)  ANNEX SPEC. DRAWING NUMBER  REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX  REPSOL POLYMEROS/ SINES INDUSTRIAL	PIPE MATERIAL										
PAINTING SCHEME (3)  PIPING CLASS  B-1  CONTRACTOR:  CONTRACTOR DRAWING NUMBER:  4274-XH-DL-2121IW91N21-2  FOR PROJECT:  AND POLYPROPYLENE (PP) PLANTS  REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX  REPSOL PROJECT - ALBA PROJECT  REPSOL PROJECT - ALBA PROJECT  ANNEX SPEC. DRAWING NUMBER  PAINTING SCHEME (3)  PROJECT:  4001008  CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX  REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX  REPSOL PROJECT - ALBA PROJECT  ANNEX SPEC. DRAWING NUMBER		3. W									
PIPING CLASS  B-1  Tecnimont  4274-XH-DL-2121IW91N21-2  4001008  WELDING CLASS (4)  E  AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT  NSULATION CODE/THK. (mm)  ANNEX  SPEC. DRAWING NUMBER:  PROJECT:  4001008  CLIENT/COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX REPSO											
PIPING CLASS  B-1  Tecnimont  4274-XH-DL-2121IW91N21-2  4001008  WELDING CLASS (4)  E  AND POLYPROPYLENE (PP) PLANTS  REPSOL POLYMEROS/  FOR PROJECT - ALBA PROJECT  NSULATION CODE/THK. (mm)  ANNEX SPEC. DRAWING NUMBER  4274-XH-DL-2121IW91N21-2  4001008  CLIENT/COMPLEX  REPSOL POLYMEROS/  SINES INDUSTRIAL COMPLEX  REPSOL POLYMEROS/  REPSOL POLYMEROS/  SINES INDUSTRIAL COMPLEX  REPSOL POLYMEROS/  REPSOL POLYMEROS/  SINES INDUSTRIAL COMPLEX  REPSOL POLYMEROS/  REPSOL POLYMEROS/  REPSOL POLYMEROS/  REPSOL POLYMEROS/  REPSOL POLYMEROS/  SINES INDUSTRIAL COMPLEX  REPSOL POLYMEROS/		CONTRACT	ONTRACTOR: CONTRACTOR DRAW		G NUMB	ER: PROJ	ECT:				
WELDING CLASS (4)  E  AND POLYPROPYLENE (PP) PLANTS  FOR PROJECT - ALBA PROJECT  NSULATION CODE / THK. (mm)  ANNEX  SPEC. DRAWING NUMBER  LOW LINEAL DENSITY POLYETHILENE (PEL)  CLIENT / COMPLEX  REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX  REV.	PIPING CLASS	A Tel	cnimont	4274-XH-DL-2121IV	V91N21-	1N21-2 4		8			
NSULATION CODE / THK. (mm)  ANNEX SPEC. DRAWING NUMBER  REV.	WELDING CLASS (4)	LO	W LINE	POLYPROPYLENE (PI	P) PLANTS  REPSOL POLYMEROS/						
ANNEX   SPEC.   DRAWING NUMBER		2)			COLLECT	SINES I	INDUSTRIAI				
		ANNEX		DRAWING NUMBER 19-000-2-02-00001 sh	eet 2121	IW91N21-2		1			

BILL OF MATERIAL

N.S.

HOLD

REMARKS FOR MECHANICAL SUBCONTRACTOR:  1) LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED.  2) ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION.  3) FOR THE COMPONENTS MARKED AS FIELD WELDED WITH THIS SYMBOL ✗, ONE WELD FOR ADJUSTMENT OF IN LINE COMPONENT MUST BE LEFT  4) FOR EXTRA PIPE LENGTH REFER TO 4274-LZ-PC-00000603.  5) GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER 45-L-45-000-2-00-80004 / 4274-XH-SG-00000002.  6) CROSSING BETWEEN WELDS ON PIPELINE SHALL NOT BE ADMITTED.  7) IN CASE OF DISCREPANCIES BETWEEN DATA SHOWN ON ISO AND IN LINE LIST (AS APPLICABLE, DATA SHOWN IN LINE LIST GOVERN.											
	8) ACTUAL CUT LENGTH OF PIPE AND FIELD WELDS SHALL BE DEFINED BY MECHANICAL SUBCONTRACTOR (REF.TO 4274-LZ-PC-00000603). 9) WHERE EARTHING BONDING IS REQUIRED, MECHANICAL SUBCONTRACTOR TO PERFORM IT BASED ON DOC. 45-P-000-7-06-00902/ 4274 -NN-DW-00000002 AND ASSEMBLY NO FEA005 AND FE019.  SUPPORTS LEGEND:    Denotes parts list no Pipe								Sig		
				נ						STRESS CALC. Nº	TITLE
										P & ID 19-A-19-000-1-01-00001 sheet 111	IS
	00	ISSUED FOR RI	SSUED FOR REFERENCE		16-JUN-23	U.CHAVAN	P.VAZE	G.PAGANONI		LINE LIST N° 19-L-19-000-2-00-80602	
	REV.		DESCRIPTION		DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	PIPE LAYOUT N° 19-L-19-000-2-00-86197 sheet 2	

Signature for construction is shown on Iso list of relevant CWA ISOMETRIC DRAWING

LINE

3/4"-IW-91N21-B-1

ISSUED FOR REFERENCE

FILENAME: 19-000-2-02-00001 sheet 2121IW91N21-2.dwg