

BONGA NORTH EPC 1

JOB CARD NUMBER: A02.L1-TI-0012

WORKPACK NUMBER: A02

	NFORMATION			<u> </u>										
PREPARED BY: Vitor Pereira DATE OF: 20/06/2025				25	REV.: 55				STATUS: checked					
APPROVED BY: None DATE OF:					1									
SUBSYSTEM: 03-03A_BN					DISCIPLINE: TIE-IN WORKING CODE: TDA LOCATION: A02 SEQUENTIAL NUMBER:									
SYSTEM: 03 TAG: TP-01					TOTAL MAN-HOUR	RS: 83.00			MATERIAL:	AL NUMBER:				
JOB CARD DESCRIPTION: JOB CARD DESCRIPTION:														
		N:												
COMMENTS: None ACTIVITY ID P6: CST-EPC1-6450 HOT-WORK REQUIRED: NO TOTAL WEIGHT (kg): 0 TOTAL DECEMBER 1.00 TOTAL DECEMBER 1.														
ACTIVITY	ID P6: C51-EF	C1-8450		HOT-WORK REQUIR	RED: NO		TOTAL WEIGHT (kg):	0		10	I AL DURA	ATION (hs): 1	0.00	
DETAILED D	- CORDINADA O	ar work												
_	ESCRIPTION C	F WORK												ı
TASK NUMBER 12 Perform leak test						TASK DESCRIPTION						COMPL	ETED?	% M/h 40,96%
	13	Paint touch up												59,04%
1														-
MAN-HOUR	- DESCRIPTION	1												
Г	TEM	TASK NUMBER				DIRECTLABOR				N	IAN-H			QTY
	1	12	Foreman								3,00			1,00
	3	12	Welder								5,00			2,00 1,00
	4	12	Firewatch Mechanical	assembler							4,00 5,00			1,00
	5	12	Pipe fitter								2,00			4,00
	6	12	Rigger_M	_	_			_			4,00			1,00
	7	13	Foreman								5,00			1,00
	9	13 13	Welder								4,00 5,00			2,00 1,00
	10	13	Mechanical	assembler							5,00			1,00
11 13 Pipe fitter										4,00			4,00	
12 13 Rigger_M				5,00					1,00					
	13	13	Scaffolder							5,00			1,00	
				TA	ASK NUMBER						IAN-H			DURATION (hs)
					12						34,00 19.00			5,00
13 49,00 5,00								-,						
ERECTION	N MATERIALS													
ERECTION	MATERIALS	3		DESCRIPTION			DIM	РМТ	O CODE		QT	ΤΥ		COMMENTS
	PIPE, CARBO	ON STEEL, DIMENSIONS A	ACCORDING A	SME B36.10, MATERI	IAL ASTMA333 GR.6	6-SEAMLESS,	DIM		O CODE		QT 1,3		TAM 2026	COMMENTS
ITEM	PIPE, CARBO BEVELLED E		ACCORDING A ORDING NACE	SME B36.10, MATERI MR0175.		6 - SEAMLESS,	DIM	PAPAA				30	TAM 2026	COMMENTS
ITE M	PIPE, CARBO BEVELLED E FLANGE,WN,	ON STEEL, DIMENSIONS A NDS ASME B16.25, ACCO	ACCORDING A ORDING NACE STM A105, NA	SME B36.10, MATERI MR0175. CE MR-01-75 SCH 100)	6-SEAMLESS,	DIM	PAPAA PAAAA.	.100.00895		1,3	30		COMMENTS
1 1 2 3 4	PIPE, CARBO BEVELLED E FLANGE,WN, FLANGE BLIN	ON STEEL, DIMENSIONS AS SAME B16.25, ACCCOMENDED AS SAME B16.25 ACCCOMENDED AS SAME B16.5 AS	ACCORDING A PROING NACE TM A105, NA 5 ASTM A 105 STM A105, NA	SME B36.10, MATERI MR0175. CE MR-01-75 SCH 100 NACE MR-01-75 SCH CE MR-01-75 SCH 100	1 100		DIM	PAPAA PAAAA. PAAAA	.100.00895 .160.00086E .160.00086E	E	1,3 2,0 1,0 2,0	30 00 00	TAM 2026 TAM 2026 TAM 2026	COMMENTS
1 1 2 3	PIPE, CARBO BEVELLED E FLANGE, WN, FLANGE BLIN FLANGE, WN, FLANGE BLIN	ON STEEL, DIMENSIONS A NDS ASME B16.25, ACCO RF,CL600,ASME B16.5 AS ND, RF, CL600 ASME B16.5	ACCORDING A DRDING NACE STM A 105, NAI 5 ASTM A 105 STM A105, NAI 6 600 ASME B	SME B36.10, MATERI MR0175. CE MR-01-75 SCH 100 NACE MR-01-75 SCH CE MR-01-75 SCH 100	1 100		DIM	PAPAA PAAAA. PAAAA	.100.00895 .160.00086E	E	1,3 2,0 1,0	30 00 00	TAM 2026 TAM 2026	COMMENTS
1 2 3 4 5 6	PIPE, CARBO BEVELLED E FLANGE,WN, FLANGE BLIN FLANGE,BLIN Controlled Ha REDUCING T	ON STEEL, DIMENSIONS A NDS ASME B16.25, ACCC RF,CL600.ASME B16.5 AS ID, RF, CL600 ASME B16.5 AS ID, RF,CL600.ASME B16.5 AS ID, RAISED FACE, CLASS rdness per NACE MR-0175 EE, SMLS, ASTM A420 GF	ACCORDING A ORDING NACE STM A105, NA 5 ASTM A 105 STM A105, NA 6 600 ASME B 5; SCH 100.	SME B36.10, MATERI MR0175. CE MR-01-75 SCH 100 NACE MR-01-75 SCH CE MR-01-75 SCH 100 16.5, CARBON STEEL F WELD, ASME B16.9	0 1 100 0 L ASTM A105, NACE	MR-01-75/ISO15156 (1)	DIM	PAPAA PAAAA PAAAA PAAAA	1.100.00895 1.160.00086E 1.160.00086E 1.140.00086 N/A	=	1,3 2,0 1,0 2,0 2,0 2,0	30 00 00 00 00	TAM 2026 TAM 2026 TAM 2026 TAM 2026	COMMENTS
1 2 3 4 5	PIPE, CARBO BEVELLED E FLANGE, WN. FLANGE BLIN FLANGE BLIN FLANGE BLIN Controlled Ha REDUCING T 300 STUDBO STUDBOLT	DN STEEL, DIMENSIONS A NIDS ASME 916.25, ACCO RF,CL600, ASME 916.5 AS ND, RF, CL600 ASME 916.5 AS RF,CL600, ASME 916.5 AS ND, RAISED FACE, CLASS RTD, RAISED FACE, CLASS RTD, STEEL WAY 115.4 AST MA 1 WITH 2 HEAVY HEXAGON	ACCORDING A ORDING NACE STM A 105, NA 5 ASTM A 105 STM A 105, NA 6 600 ASME B ; SCH 100. R WPL6, BUT1 193-B7/A 194-2	SME B36.10, MATERI MR0175. CE MR-01-75 SCH 100 NACE MR-01-75 SCH CE MR-01-75 SCH 100 16.5, CARBON STEEL F WELD, ASME B16.9 H WITH HOT-DIP GAL	1 100 1 ASTM A105, NACE 1, NACE MR-01-75/IS0 LVANISED 1 A193 Gr B7, NUTS I	: MR-01-75/ISO15156 (1) 015156 MATERIAL HEX HEAVY	DIM	PAPAA PAAAA. PAAAA. PAAAA PAAFTF 300_BOI	x.100.00895 .160.000866 x.160.000866 x.140.00086 N/A .160.05003 LT_OPT21	=	1,3 2,0 1,0 2,0 2,0 2,0 2,0	30 00 00 00 00 00	TAM 2026	COMMENTS
1TE M 1 2 3 4 5 6 7	PIPE, CARBBEVELLED E FLANGE, WN, FLANGE BLIN FLANGE BLIN CONTROLLED TO THE THE TO THE	ON STEEL, DIMENSIONS A NDS ASME B16.25, ACCC RF,CL600.ASME B16.5 AS ID, RF, CL600 ASME B16.5 AS ID, RF,CL600.ASME B16.5 AS ID, RAISED FACE, CLASS rdness per NACE MR-0175 EE, SMLS, ASTM A420 GF	ACCORDING A DRDING NACE STM A105, NAI 5 ASTM A 105 STM A105, NAI 6 600 ASME B 6; SCH 100. R WPL6, BUT1 193-B7/A194-2 NAL NUTS, BC E, 1 - ASME	SME B36.10, MATERI MR0175. CE MR-01-75 SCH 100 NACE MR-01-75 SCH CE MR-01-75 SCH 100 16.5, CARBON STEEL F WELD, ASME B16.9 H WITH HOT-DIP GAL DJT MATERIAL ASTM B11, UNC 24, 17 - 3 UN 2B - 8 INDIR COAT	1 100 1 100 1 ASTMA105, NACE 1, NACE MR-01-75/IS(LVANISED 1 A193 Gr B7, NUTS I - ASME B1.1, UN 2A	MR-01-75/ISO15156 (1) 015156 MATERIAL HEX HEAVY 8 thd/fir; NUT THREAD PER ASTM B633 (ASME	DIM	PAPAA PAAAA. PAAAA. PAAAA PAAFTF 300_BOI	1.100.00895 1.160.00086E 1.160.00086E 1.140.00086 N/A	=	1,3 2,0 1,0 2,0 2,0 2,0	30 00 00 00 00 00	TAM 2026 TAM 2026 TAM 2026 TAM 2026	COMMENTS
1TE M 1 2 3 4 5 6 7	PIPE, CARBÓ BEVELLED E FLANGE, WN. FLANGE BLIN FLANGE BLIN Controlled Ha REDUCING T 300 STUBBOL STUB BOLT ASTM A194 C TYPE -1 -4 AS THA 194 C TYPE -1 -4 STM A194 C TYPE -1 -4 S	DN STEEL, DIMENSIONS A NDS ASME 916.25, ACCC NDS ASME 916.25, ACCC NDS ASME 916.5 AS ND, RAFCLE00 ASME 916.5 AS ND, RAISED FACE, LLASS ND, RAISED FACE, LLASS EE, SMLS, ASTM A420 GF LT WITH NUTS, ASTM A120 ND FLATHEAD TYP NME 91, LUNC 2B: 17 - 3 ND 92 PLATHEAD THEAD ND 93 PLATHEAD ND 94 PLATHEA	ACCORDING A RDING NACE STM A 105, NAM 5 ASTM A 105 STM A 105, NAM 6 600 ASME B (; SCH 100. R WPL6, BUT1 193-B7/A194-2 NAL NUTS, BC -ASME B1.1, ESS), TYPE II	ISME B36.10, MATERI MR0175. CE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 16.5, CARBON STEEL F WELD, ASME B16.9 H WITH HOT-DIP GAL DLT MATERIAL ASTM B1.1, UNC 24; 1? - 3 UN 2B - 8 thd/in; COAT	L ASTM A105, NACE I, NACE MR-01-75/ISt LVANISED IA 193 Gr B7, NUTS I ASME B1.1, UN 2A TING ZINC PLATED NTARY YELLOW CH	. MR-01-75/ISO15156 (1) O15156 MATERIAL HEX HEAVY - 3 thd/in; NUT THREAD PER ASTM 8633 (ASME ROMATE	DIM	PAPAAAA PAAAAA PAAAAA PAFTF 300_BOI	x.100.00895 .160.000866 x.160.000866 x.140.00086 N/A .160.05003 LT_OPT21	=	1,3 2,0 1,0 2,0 2,0 2,0 2,0	30 00 00 00 00 00 00	TAM 2026	COMMENTS
1TEM 1 2 3 4 5 6 7 8	PIPE CARBO BEVELLED E FLANGE, WN. FLANGE BLIN FLANGE BLIN FLANGE BLIN CONTROL BLIN TASTMA194 (1 TASTMA194 (1 TASTMA194 (1 TASTMA194 (1 TASTMA194 (1 TYPE -1 -1 ASTMA194 (1 TYPE -1 -1 A	DN STEEL, DIMENSIONS A NDS ASME 916.25, ACCC NDS ASME 916.25, ACCC NDS ASME 916.5 AS ND, RAFCLE00 ASME 916.5 AS ND, RAISED FACE, LLASS ND, RAISED FACE, LLASS EE, SMLS, ASTM A420 GF LT WITH NUTS, ASTM A120 ND FLATHEAD TYP NME 91, LUNC 2B: 17 - 3 ND 92 PLATHEAD THEAD ND 93 PLATHEAD ND 94 PLATHEA	ACCORDING A ACCORDING A ACCORDING NACE TIM A 105, NAI S ASTM A 105 SITM A 105, NAI S 600 ASME B S 600 ASME B S 601 ASME B S 601 ASME B S 1, S 1, ASME A 5 ASME B 11, S 1, S 1, S 1, S 1, S 1, S 1, S 1	ISME B36.10, MATERI MR0175. CE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 I6.5, CARBON STEEL F WELD, ASME B16.9, H WITH HOT-DIP GAL DIT MATERIAL ASTM B1.1, UNC 2A; 17 - 3 UN 2B - 8 thd/in: COAT B1.1, UNC 2A; 17 - 3 UN 2B - 8 thd/in: COAT B1.1, UNC 2A; 17 - 3 UN 2B - 8 thd/in: COAT B1.1, UNC 2A; 17 - 3 UN 2B - 8 thd/in: COAT B1.1, UNC 2A; 17 - 3 UN 2B - 8 thd/in: COAT B1.1, UNC 2A; 17 - 3 UN 2B - 8 thd/in: COAT B1.1, UNC 2A; 17 - 3 UN 2B - 8 thd/in: COAT B1.1, UNC 2A; 17 - 3 UN 2B - 8 thd/in: COAT B1.1, UNC 2A; 17 - 3 UN 2B - 8 thd/in: COAT B1.1, UNC 2A; 17 - 3 UN 2B - 8 thd/in: COAT B1.1, UNC 2A; 17 - 3 UN 2B - 8 thd/in: COAT B1.1, UNC 2A; 17 - 3 ESUPER FILLER WITH E SUPER FILLER WITH E SUPER FILLER WITH	LASTM A105, NACE ASTM A105, NACE MR-01-75/IS0 LVANISED IA193 Gr87, NUTS I -ASME B1.1, UN ZA -ASME B1.1, UN ZA -ASME B1.1, UN ZA TMG ZINC PLATED TMARY YELLOW CH	. MR-01-75/ISO15156 (1) 015156 MATERIAL HEX HEAVY - 3 Indin: NUT THREAD PER AST ME AS JASME RROMATE - 3 Indin: NUT THREAD PER AST ME GAS JASME RROMATE - 3 INDIN: NUT THREAD PER AST ME GAS JASME RROMATE - 1 INDIN: NUT THREAD PER AST ME GAS JASME RROMATE	DIM	PAPAA PAAAA PAAAA PAAAA PAABA PABBBBBBBB	1.100.00895 1.160.000861 1.160.000861 1.140.00086 1.140.00086 N/A 1.160.05003 LT_OPT21'	1	1,3 2,0 1,0 2,0 2,0 2,0 2,0 40,	300 000 000 000 000 000 000 000	TAM 2026	COMMENTS
1 2 3 4 5 6 7 8 9	PIPE: CARBO BEVELLED E FLANGE.WN, FLANGE BLIN FLANGE BLIN FLANGE BLIN FLANGE BLIN FLANGE BLIN FLANGE BLIN TO STUDBOL TYPE - 1 AC TYPE - 1	DN STEEL, DIMENSIONS A NOS ASME B16.25, ACCO NOS ASME B16.25, ACCO NOS ASME B16.5 AS NO, RF, CL600 ASME B16.5 AS NO, RF, CL600 ASME B16.5 AS NO, RAISEP FACE, CLASS NO, RAISEP NO, RAISEP NO, RAISEP NO, RAISEP NO, REST, RAISEP NO, RAISEP N	ACCORDING A ACCORDING A ACCORDING NACE TIM A 105, NAI S ASTM A 105 SITM A 105, NAI S 600 ASME B S 600 ASME B S 601 ASME B S 601 ASME B S 1, S 1, ASME A 5 ASME B 11, S 1, S 1, S 1, S 1, S 1, S 1, S 1	ISME B36.10, MATERI MR0175. CE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 I6.5, CARBON STEEL F WELD, ASME B16.9, H WITH HOT-DIP GAL DIT MATERIAL ASTM B1.1, UNC 2A; 17 - 3 UN 2B - 8 thd/in: COAT B1.1, UNC 2A; 17 - 3 UN 2B - 8 thd/in: COAT B1.1, UNC 2A; 17 - 3 UN 2B - 8 thd/in: COAT B1.1, UNC 2A; 17 - 3 UN 2B - 8 thd/in: COAT B1.1, UNC 2A; 17 - 3 UN 2B - 8 thd/in: COAT B1.1, UNC 2A; 17 - 3 UN 2B - 8 thd/in: COAT B1.1, UNC 2A; 17 - 3 UN 2B - 8 thd/in: COAT B1.1, UNC 2A; 17 - 3 UN 2B - 8 thd/in: COAT B1.1, UNC 2A; 17 - 3 UN 2B - 8 thd/in: COAT B1.1, UNC 2A; 17 - 3 UN 2B - 8 thd/in: COAT B1.1, UNC 2A; 17 - 3 UN 2B - 8 thd/in: COAT B1.1, UNC 2A; 17 - 3 ESUPER FILLER WITH E SUPER FILLER WITH E SUPER FILLER WITH	LASTM A105, NACE ASTM A105, NACE MR-01-75/IS0 LVANISED IA193 Gr87, NUTS I -ASME B1.1, UN ZA -ASME B1.1, UN ZA -ASME B1.1, UN ZA TMG ZINC PLATED TMARY YELLOW CH	. MR-01-75/ISO15156 (1) 015156 MATERIAL HEX HEAVY - 3 Indin: NUT THREAD PER AST ME AS JASME RROMATE - 3 Indin: NUT THREAD PER AST ME GAS JASME RROMATE - 3 INDIN: NUT THREAD PER AST ME GAS JASME RROMATE - 1 INDIN: NUT THREAD PER AST ME GAS JASME RROMATE	DIM	PAPAA PAAAA PAAAA PAAAA PAAAA PAAAA PAFFF 300_BOI		1	1,3 2,0 1,0 2,0 2,0 2,0 40,	300 000 000 000 000 000 000	TAM 2026	COMMENTS
1TEM 1 2 3 4 5 6 7 8	PIPE. CARBIS BEVELLED E FLANGE, WIN. FLANGE BLIN FLANGE, WIN. FLANGE BLIN CONTROL OF THE PLANGE BLIN CONTROL OF THE PLANGE BLIN CASTAL STANDE BLIN STUD BOLT ASTMAN 194 CT TYPE -1 -1 ASTMAN 194 CT TREAT MENT STANDARD. WE STANDARD WITH STANDARD CONTROL OF THE PLANGE ASS TANDARD CONTROL OF THE PLANGE ASS TANDARD. WE ASS TANDARD CONTROL OF THE PLANGE ASS TANDARD.	ON STEEL, DIMENSIONS AND SASKE B162, ASCENDING ASKE B162, ASCENDING ASKE B162, ASCENDING ASKE B163, ASKED AS	ACCORDING A ACCORDING A ACCORDING NACE ACCORDING NA	ISME B36.10, MATERI MR0175. CE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 16.5, CARBON STEEL F WELD, ASME B16.9 H WITH HOT-DIP GAL DIT MATERIAL ASTM B1.1, UNC 24.1 ? - 3 UN 2B 8 thd/in; COAT WITH A SUPPLEME! E SUPER FILLER WITH SME B16.20, RF CLA E REQUIREMENTS C CARBON STEEL, ASTM E CARBON STEEL, ASTM CARBON STEEL, CARB CARBON STEEL,	LASTM A105, NACE AND A105, NACE MR-01-75/ISI LVANISED 1A193 GF27, NUTS ASME B11, UN 2A THA 13 GF37, NUTS ASME B11, UN 2A ASME B11, UN 2A THA 13 GF37, NUTS ASME B11, UN 2A THA 13 GF37, NUTS ASME B11, UN 2A THA 14 GF37, NUTS THA 15 GF37	MATERIAL HEX HEAVY - S Bridin; NUT THREAD PER ASTM 8633 (ASME RMATERIAL HEX HEAVY - S Bridin; NUT THREAD - S MATERIAL HEX HEAVY - T MATER	DIM	PAPAA PAAAA PAAAA PAAAA PAAFF 300_BOI		1	1,3 2,0 1,0 2,0 2,0 2,0 2,0 20,0 40,0 20,0	000 000 000 000 000 000 000 000	TAM 2026	COMMENTS
1 1 2 3 4 5 5 6 7 8 8 9 10 11	PIPE. CARBIS BEVELLED E FLANGE, WIN. FLANGE BLIN FLANGE, WIN. FLANGE BLIN CONTROL OF THE PLANGE BLIN CONTROL OF THE PLANGE BLIN CASTAL STANDE BLIN STUD BOLT ASTMAN 194 CT TYPE -1 -1 ASTMAN 194 CT TREAT MENT STANDARD. WE STANDARD WITH STANDARD CONTROL OF THE PLANGE ASS TANDARD CONTROL OF THE PLANGE ASS TANDARD. WE ASS TANDARD CONTROL OF THE PLANGE ASS TANDARD.	ON STEEL, DIMENSIONS A NOS ASMÉ 516,25, ACCC NOS ASMÉ 516,25, ACCC RF. CL600 ASMÉ 516,5 AS ND, RF. CL600 ASMÉ 516,5 AS ND, RAISED FACE, LLASS ND, RAISED FACE, LLASS LO, RAISED FACE LT WITH NUTS, ASTM A1 WITH 2 HEAVY HEXAGON S2H. BOLT THEAD TYP ME 511, UNC 28: 17-3. UNG 51, LATING THICHME ME 511, UNC 28: 17-3. UNG 51, LATING THICHME ME 511, UNC 28: 17-3. UNG 51, LATING THICHME ME 511, UNC 28: 17-3. UNG 51, LATING THICHME ME 511, UNC 28: 17-3. UNG 51, LATING THICHME ME 511, UNC 28: 17-3. UNG 51, LATING THICHME ME 511, UNC 28: 17-3. UNG 51, LATING THICHME ME 511, UNC 28: 17-3. UNG 51, LATING THICHME ME 511, UNC 28: 17-3. UNG 51, LATING THICHME ME 511, UNC 28: 17-3. UNG 51, LATING THICHME ME 512, LATING THICHME ME 513, LATING THICHME ME 513, LATING THICHME ME 514, LATING M	ACCORDING A ACCORDING A ACCORDING NACE ACCORDING NA	ISME B36.10, MATERI MR0175. CE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 16.5, CARBON STEEL F WELD, ASME B16.9 H WITH HOT-DIP GAL DIT MATERIAL ASTM B1.1, UNC 24.1 ? - 3 UN 2B 8 thd/in; COAT WITH A SUPPLEME! E SUPER FILLER WITH SME B16.20, RF CLA E REQUIREMENTS C CARBON STEEL, ASTM E CARBON STEEL, ASTM CARBON STEEL, CARB CARBON STEEL,	LASTM A105, NACE AND A105, NACE MR-01-75/ISI LVANISED 1A193 GF27, NUTS ASME B11, UN 2A THA 13 GF37, NUTS ASME B11, UN 2A ASME B11, UN 2A THA 13 GF37, NUTS ASME B11, UN 2A THA 13 GF37, NUTS ASME B11, UN 2A THA 14 GF37, NUTS THA 15 GF37	MATERIAL HEX HEAVY - S Bridin; NUT THREAD PER ASTM 8633 (ASME RRASTM 8633 (ASME RRASTM 8633 (ASME RRASTM 8633 (ASME RRASTM 8632 (ASME RRAS	DIM	PAPAA PAAAA PAAAA PAAAA PAAFF 300_BOI	100.00895 .160.000861 .160.00086 140.00086 N/A 160.05003 LT_OPT21' N/A N/A	1	1,5 2,0 1,0 2,0 2,0 2,0 20,40,40,	000 000 000 000 000 000 000 000 000 00	TAM 2026	COMMENTS
1TEM 1 2 3 4 5 6 7 8 10 11 12	PIPE: CARBO BEVELLED E FLANGE.WN. FLANGE BLIN FLANGE BLIN FLANGE BLIN FLANGE BLIN FLANGE BLIN THE STANDARD STUD BOLT ASTM A194 CT TYPE -1 -4 ASTM BT STUD BOLT ASTM A194 CT TYPE -1 -4 ASTM BT STUD BOLT ASTM A194 CT TYPE -1 -4 ASTM BT STUD BOLT ASTM A194 CT ASTM A194	DN STEEL, DIMENSIONS A NDS ASME 516,25, ACCO NDS ASME 516,25, ACCO NDS ASME 516,25, ACCO NDS ASME 516,5 AS ND, RAISED FACE, LCLASS ND, RAISED FACE, LCLASS ND, RAISED FACE, LCLASS EE, SMLS, ASTM A420 GF LT WITH NUTS, ASTMA WITH 2 HEAVY HEXAGON SYZH, BOLT THEAD TYP ME 511, UNC 2B: 17-3 NOOS PLATING THICHE NOOS PLATING THICHE NOOS PLATING THICHE NOOS PLATING THICHE STATE OF THE STATE NOOS PLATING THICHE NOOS PLATING THICHE STATE OF THE STATE NOOS PLATING THICHE STATE STATE OF THE STATE NOOS PLATING THICHE STATE	ACCORDING A ACCORDING A ACCORDING NACE ACCORDING NA	ISME B36.10, MATERI MR0175. CE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 16.5, CARBON STEEL F WELD, ASME B16.9 H WITH HOT-DIP GAL DIT MATERIAL ASTM B1.1, UNC 24.1 ? - 3 UN 2B 8 thd/in; COAT WITH A SUPPLEME! E SUPER FILLER WITH SME B16.20, RF CLA E REQUIREMENTS C CARBON STEEL, ASTM E CARBON STEEL, ASTM CARBON STEEL, CARB CARBON STEEL,	LASTM A105, NACE AND A105, NACE MR-01-75/ISI LVANISED 1A193 GF27, NUTS ASME B11, UN 2A THA 13 GF37, NUTS ASME B11, UN 2A ASME B11, UN 2A THA 13 GF37, NUTS ASME B11, UN 2A THA 13 GF37, NUTS ASME B11, UN 2A THA 14 GF37, NUTS THA 15 GF37	MATERIAL HEX HEAVY - S Bridin; NUT THREAD PER ASTM 8633 (ASME RRASTM 8633 (ASME RRASTM 8633 (ASME RRASTM 8633 (ASME RRASTM 8632 (ASME RRAS	DIM	PAPAA PAAAA PAAAA PAAAA PAAFF 300_BOI	X.100.00895 X.160.00086 X.140.	1	1,5 2,6 1,6 2,6 2,6 2,6 20,40,40,	000 000 000 000 000 000 000 000 000 00	TAM 2026	COMMENTS
1TEM 1 2 3 4 5 6 7 8 10 11 12	PIPE: CARBO BEVELLED E FLANGE.WN, FLANGE BLIN FLANGE.WN FLANGE BLIN FLANGE BLI	ON STEEL, DIMENSIONS A MOS ASME 916.25, ACCO MIDS ASME 916.25, ACCO MIDS ASME 916.5 AS ND, RF, CL600 ASME 916.5 AS ND, RAISED FACE, LLASS ND, RAISED FACE, LLASS ND, RAISED FACE, LLASS EE, SMLS, ASTM A420 GF LT WITH NUTS, ASTMA WITH 2 HEAVY HEXAGON MIDS PLATHING THEAD TYP MIDS PLATHING THEAD MI	ACCORDING A ACCORDING A ACCORDING NACE ACCORDING NA	ISME B36.10, MATERI MR0175. CE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 16.5, CARBON STEEL F WELD, ASME B16.9 H WITH HOT-DIP GAL DIT MATERIAL ASTM B1.1, UNC 24.17 - 3 UNITH A SUPPLEMENT SUM 11 A SUPPLEMENT E SUPER FILLER FULL SUM 12 SE SUPER FILLER FULL CARBON STEEL, ASI MS-01-75 JISME-01-15 SIBAL SES INISHING SPIRAL SES CARBON STEEL, ASI MS-01-75 JISME-01-15 SIBAL SES INISHING SPIRAL SES CARBON STEEL, ASI MS-01-75 JISME-01-15 SIBAL SES INISHING SPIRAL SES K S355 (0.5m x 0.5m)	LASTM A105, NACE AND A105, NACE MR-01-75/ISI LVANISED 1A193 GF27, NUTS ASME B11, UN 2A THA 13 GF37, NUTS ASME B11, UN 2A ASME B11, UN 2A THA 13 GF37, NUTS ASME B11, UN 2A THA 13 GF37, NUTS ASME B11, UN 2A THA 14 GF37, NUTS THA 15 GF37	MATERIAL HEX HEAVY - S Bridin; NUT THREAD PER ASTM 8633 (ASME RRASTM 8633 (ASME RRASTM 8633 (ASME RRASTM 8633 (ASME RRASTM 8632 (ASME RRAS	DIM	PAPAA PAAAA PAAAA PAAAA PAAFF 300_BOI		1	1,5 2,6 1,6 2,6 2,6 2,6 20,40,40,	000 000 000 000 000 000 000 000 000 00	TAM 2026	COMMENTS
1TEM 1 2 3 4 5 6 7 8 9 10 11 12 13 EQUIPMENT	PIPE: CARBO BEVELLED E FLANGE.WN, FLANGE BLIN FLANGE.WN FLANGE BLIN FLANGE BLI	ON STEEL, DIMENSIONS A NOS ASMÉ 516,25, ACCO NOS ASMÉ 516,25, ACCO NOS ASMÉ 516,25, ACCO NOS ASMÉ 516,5 AS NO, RAISED FACE, LLASS NO, RAISED FACE, LLASS NO, RAISED FACE, LLASS EE, SMLS, ASTM A420 GF LT WITH HUTS, ASTM A1 WITH 2 HEAVY HEXAGON 52H; BOLT THEAD TYP ME 511, UNC 28,17,23 0,003 PLATING THICHE NOS ASMÉ 511, UNC 28,17,23 0,003 PLATING THICHE NOS ASMÉ 515, WOR STANDER NOS	ACCORDING A ACCORDING A ACCORDING NACE ACCORDING NA	ISME B36.10, MATERI MR0175. CE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 16.5, CARBON STEEL F WELD, ASME B16.9 H WITH HOT-DIP GAL DIT MATERIAL ASTM B1.1, UNC 24.17 - 3 UNITH A SUPPLEMENT SUM 11 A SUPPLEMENT E SUPER FILLER FULL SUM 12 SE SUPER FILLER FULL CARBON STEEL, ASI MS-01-75 JISME-01-15 SIBAL SES INISHING SPIRAL SES CARBON STEEL, ASI MS-01-75 JISME-01-15 SIBAL SES INISHING SPIRAL SES CARBON STEEL, ASI MS-01-75 JISME-01-15 SIBAL SES INISHING SPIRAL SES K S355 (0.5m x 0.5m)	LASTM A105, NACE AND A105, NACE MR-01-75/ISI LVANISED 1A193 GF27, NUTS ASME B11, UN 2A THA 13 GF37, NUTS ASME B11, UN 2A ASME B11, UN 2A THA 13 GF37, NUTS ASME B11, UN 2A THA 13 GF37, NUTS ASME B11, UN 2A THA 14 GF37, NUTS THA 15 GF37	MR-01-75/ISO15156 (1) O15156 MATERIAL HEX HEAVY - 3 INd/in; NUT THREAD PER ASTM B633 (ASME ROMATE MATERIAL HEX HEAVY - 3 INd/in; NUT THREAD PER ASTM B633 (ASME ROMATE EL AISI 304 WINDINGS, n, ASME B16.20 FOR -75 / ISO 15156 RD; CLASS 600: TO MAX 250 AARH; THE IREMENTS. MA 106 GR B SMLS		PAPAA PAAAA PAAAA PAAAA PAAFF 300_BOI		1	1.3.2 (2.0.2 (2.	000 000 000 000 000 000 000 000 000 00	TAM 2026	
1TEM 1 2 3 4 5 6 7 8 9 10 11 12 13 EQUIPMENT	PIPE CARSI SEVELLED E FLANGE.WIN. FLANGE BLIN FLANGE BLIN CONTROL OF THE PLANGE BLIN STAND BOLT THE PLANGE BLIN STANDARD CONTROL OF THE PL	ON STEEL DIMENSIONS AND STARME B1629, ACCO MODE B16.5 AS AS IO, RF. CL800 ASME B16.5 AS IO, RAISED FACE, CLASS GLASS AS IO, RAISED FACE, IO, ACCORDING THE B1.1, UNC 38.1 P. 3. O. 0.0003 PLATING THICHNE STARL WOUND NON-ASSES STYLE GG OR SDDS API EB16.5. THE MATERIAL WOUND NON-ASSES STYLE GG OR SDDS API EB16.5. THE MATERIAL WANDER AS IN ATTENDATION OF THE B16.5. THE MATERIAL WOUND STARL WOUND NON-ASSES STYLE GG OR SDDS API AND	ACCORDING A ACCORDING A ACCORDING NACE ACCORDING NA	SME B36.10, MATERI MR0175. CE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 16.5, CARBON STEEL F WELD, ASME B16.9 H WITH HOT-DIP GAL DIT MATERIAL ASTM B1.1, UNC 24; 17 - 3 UN 2B - 8 thd/in: COAT WITH A SUPPLEMER E SUPER FILLE METAL E SUPER FILLE METAL E SUPER FILLE METAL CARBON STEEL, ASI INISHING SPIRAL SE MR-01-75 / ISO 15156 IK. S355 (0.5m x 0.5m)	LASTM A105, NACE AND A105, NACE MR-01-75/ISI LVANISED 1A193 GF27, NUTS ASME B11, UN 2A THA 13 GF37, NUTS ASME B11, UN 2A ASME B11, UN 2A THA 13 GF37, NUTS ASME B11, UN 2A THA 13 GF37, NUTS ASME B11, UN 2A THA 14 GF37, NUTS THA 15 GF37	MR-01-75/ISO15156 (1) O15156 MATERIAL HEX HEAVY - 3 INd/in; NUT THREAD PER ASTM B633 (ASME ROMATE MATERIAL HEX HEAVY - 3 INd/in; NUT THREAD PER ASTM B633 (ASME ROMATE EL AISI 304 WINDINGS, n, ASME B16.20 FOR -75 / ISO 15156 RD; CLASS 600: TO MAX 250 AARH; THE IREMENTS. MA 106 GR B SMLS		PAPAA PAAAA PAAAA PAAAA PAAFF 300_BOI		E I I I I I I I I I I I I I I I I I I I	1.3.2 (2.0.2 (2.	000 000 000 000 000 000 000 000 000 00	TAM 2026	
1TEM 1 2 3 4 5 6 7 8 9 10 11 12 13 EQUIPMENT ITEM SAFETY	PIPE. CARSI BEVELLED E FLANGE.WIN. FLANGE BLIP FLANGE BLIP CONTROL OF THE PLANGE BLIP CONTROL OF THE PLANGE BLIP CONTROL OF THE PLANGE BLIP CAST BLIP CONTROL OF THE PLANGE BLIP CAST BLIP	ON STEEL, DIMENSIONS A NOS ASMÉ 516,25, ACCO NOS ASMÉ 516,25, ACCO NOS ASMÉ 516,25, ACCO NOS ASMÉ 516,5 AS NO, RAISED FACE, LLASS NO, RAISED FACE, LLASS NO, RAISED FACE, LLASS EE, SMLS, ASTM A420 GF LT WITH HUTS, ASTM A1 WITH 2 HEAVY HEXAGON 52H; BOLT THEAD TYP ME 511, UNC 28,17,23 0,003 PLATING THICHE NOS ASMÉ 511, UNC 28,17,23 0,003 PLATING THICHE NOS ASMÉ 515, WOR STANDER NOS	ACCORDING A ACCORDING A ACCORDING NACE ACCORDING NA	ISME B36.10, MATERI MR0175. CE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 16.5, CARBON STEEL F WELD, ASME B16.9 H WITH HOT-DIP GAL DIT MATERIAL ASTM B1.1, UNC 24; 17 - 3 UN 2B - 8 thd/in; COAT (WITH A SUPPLEME) DIT MATERIAL ASTM B1.1, UNC 24; 17 - 3 UN 2B - 8 thd/in; COAT (WITH A SUPPLEME) CARBON STEEL, STEEL CARBON STEEL; AST MR-01-75 / ISO 15156 IK S355 (0.5m x 0.5m) NG mento alocado.	LASTM A105, NACE LASTM A105, NACE MR-01-75/ISC LVANISED LA193 GF87, NUTS I A-SME B11, UN 2A TING ZINC PLATED NTARY YELLOW CH TING ZINC PLATED NTARY YELLOW CH THIS STANILESS STANDAR ME B16.48 STANDA RRATED, MINI 125 S STANDARD REGU IPIPE 8 SCH.80 ASTM	MATERIAL HEX HEAVY - 5 Bhd/in: NUT THREAD PER ASTM B633 (ASME RROMATE MATERIAL HEX HEAVY - 5 Bhd/in: NUT THREAD PER ASTM B633 (ASME RROMATE EL AISI 304 WINDINGS, m, ASME B16.20 FCR -7.5 / ISO 15156 TO MAX 250 AARH; THE IRE MENTS. MA 106 GR B SMLS		PAPAA PAAAA PAAAA PAAAA PAAFF 300_BOI	1.100.00895 1.160.000861 1.160.000861 1.160.000861 1.140.	E I I I I I I I I I I I I I I I I I I I	1.3.2 (2.0.2 (2.	000 000 000 000 000 000 000 000 000 00	TAM 2026	
1TEM 1 2 3 4 5 6 7 8 9 10 11 12 13 EQUIPMENT ITEM PPEEG	PIPE CARBIE PIPE CARBIE FLANGE MIN. FLANGE BLI FLANGE BLI FLANGE BLI CONTOINED BLI TO STUDBO	DN STEEL, DIMENSIONS A NOS ASME B16.25, ACCO NOS ASME B16.25, ACCO NOS ASME B16.25, ACCO NOS ASME B16.25, ACCO NOS ASME B16.5 AS NO, RF, CL600 ASME B16.5 AS NO, RF, CL600 ASME B16.5 AS NO, RAISED FACE, CLASS NOD, REAL THE NOT THE AD TYP NOTE B1.1, UNC 28.1 ? - 3. 0.0003 PLATING THICHNE). WITH 2 HEAVY HEXAGON O0003 PLATING THICHNE). WITH 2 HEAVY HEXAGON SCH. BOLT THEAD TYP NE B1.1, UNC 28.1 ? - 3. 0.0003 PLATING THICHNE). WITH 2 HEAVY HEXAGON SEE B1.5 STYLE GO RS DDS API SEE B1.5 STYLE GO RS DDS API SEE B1.5 STYLE GO RS DDS API ANACES, ASME B1.6, ASM NOD, NOD, NOD, NOD, NOD, NOD, NOD, NOD,	ACCORDING A ACCORD	ISME B36.10, MATERI MR0175. CE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 16.5, CARBON STEEL F WELD, ASME B16.9, H WITH HOT-DIP GAL DIT MATERIAL ASTM B1.1, UNC 2A.1 7 - 3 UNI 2B 8 TH MITH 100 B1.1, UNC 2A.1 7 - 3 UNI 2B 8 TH MITH 100 LT MATERIAL ASTM B1.1, UNC 2A.1 7 - 3 UNI 2B 8 TH MITH 100 LT MATERIAL ASTM B1.1, UNC 2A.1 7 - 3 UNI 2B 8 TH MITH 2A.1 7 - 3 UNI 2B 8 TH MITH 2A.1 7 - 3 UNI 2B 8 TH MITH 2A.1 7 - 3 UNI 2B 8 TH MITH 2A.1 7 - 3 UNI 2B 8 TH MITH 2A.1 7 - 3 UNI 2B 8 TH MITH 2A.1 7 - 3 UNI 2B 8 TH MITH 2A.1 7 - 3 UNI 2B 8 TH MITH 2A.1 7 - 3 UNI 2B 8 TH MITH 2A.1 7 - 3 UNI 2B 8 TH MITH 2A.1 7 - 3 UNI 2B 8 TH MITH 2A.1 7 - 3 UNI 2B 8 TH MITH 2A.1 7 - 3 UNI 2B 8 TH MITH 2A.1 7 - 3 UNI 2B 8 TH MITH 2A.1 7 - 3 UNI 2B 8 TH MITH 2A.1 7 - 3 UNI 2B 8 TH MITH 2B.1 7 - 3 UNI 2B 8 TH MITH 2B.1 7 - 3 UNI 2B 8 TH MITH 2B.1 7 - 3 UNI 2B 8 TH MITH 2B.1 7 - 3 UNI 2B 8 TH MITH 2B.1 7 - 3 UNI 2B 8 TH MITH 2B.1 7 - 3 UNI 2B 8 TH MITH 2B.1 7 - 3 UNI 2B 8 TH MITH 2B.1 7 - 3 UNI 2B 8 TH MITH 2B.1 7 - 3 UNI 2B 8 TH MITH 2B.1 7 - 3 UNI 2B 8 TH MITH 2B.1 7 - 3 UNI 2B 8 TH MITH 2B.1 7 - 3 UNI 2B 8 TH MITH 2B.1 7 - 3 UNI 2B 8 TH MITH 2B.1 7 - 3 UNI 2B 8 TH MITH 2B.1 7 - 3 UNI 2B 8 TH MITH 2B.1 7 - 3 UNI 2B 8 TH MITH 2B.1 7 - 3 UNI 2B.	LASTM A105, NACE AND A105, NACE MR-01-75/ISC LVANISED LVANISED LA193 GF87, NUTS I A-SME B11, UN 2A TING ZINC PLATED NTARY YELLOW LA193 GF87, NUTS I A-SME B11, UN 2A TING ZINC PLATED NTARY YELLOW THAT YELLOW THAT YELLOW ME B16.48 STANDA RRATED, MINI 125 S STANDARD REQU	MATERIAL HEX HEAVY - 8 INDIG. NUT THREAD PER ASTM B633 (ASME ROMATE MATERIAL HEX HEAVY - 9 INDIG. NUT THREAD PER ASTM B633 (ASME ROMATE SEL AIS 304 WINDINGS, - ASME B16.20 FOR - 75 / ISO 15156 TO MAX 250 AARH; THE IRE MENTS. WA 106 GR B SMLS QTY FIRE EXTINGUISHER		PAPAA PAAAA PAAAA PAAAA PAAFF 300_BOI PZGAY K6CS-C		E I I I I I I I I I I I I I I I I I I I	1.3. 2.0. 1.0. 1.0. 1.0. 1.0. 1.0. 1.0. 1.0	000 000 000 000 000 000 000 000 000 00	TAM 2026	QTY
1TEM 1 2 3 4 5 6 7 8 9 10 11 12 13 EQUIPMENT ITEM PPEEC BLIND IS	PIPE CARBO PIPE CARBO FLANGE, WN. FLANGE BLIN FLANGE BLIN FLANGE BLIN FLANGE BLIN FLANGE BLIN FLANGE BLIN TREATMENT STUD BOLT ASTMA 194 4 TYPE - 1 - A: B16.5), SC2 (TREAT MENT TREAT MENT GASKET, SP FLEXIFICATION FLANGE BLIN GASKET, SP FLEXIFICATION FLANGE ASI TUDION TREATMENT TUDION TU	DN STEEL, DIMENSIONS A NOS ASME B16.25, ACCO NOS ASME B1.1, UNC 28.17.3 NOS ASME B1.1, UNC	ACCORDING A ACCORD	ISME B36.10, MATERI MR0175. CE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 16.5, CARBON STEEL F WELD, ASME B16.9, H WITH HOT-DIP GAL DE 11, UNC 2A, 17 23 UN 2B, -8 th drin; COAT WITH A SUPPLEME! SUP STEEL ASTM B1.1, UNC 2A, 17 23 UN 2B, -8 th drin; COAT E SUPPLEME! E SUPER FILLER WITH ASME B16.20, RF CLA E REQUIREMENTS C CARBON STEEL; ASS INISHING SPIRAL SET MR-01-75 150 1516 INISHING SPIRAL SET MR-01-75 150 1516 MR-01-75 150 1516 MG mento alocado.	L ASTM A105, NACE INACE MR-01-75/IS IVANISED IA 183 GF87, NUTS I ASME B11, UN ZA ASME B11, UN ZA ASME B11, UN ZA ASME B11, WA THAN TARY YELLOW CP TH STAINLESS STE THAN TARY YELLOW CP TH STAINLESS STE SS 800, THX 3.2 mm DF THE NACE MR-01 ME B16.48 STANDA RRATED, MIN 125 STANDARD RS STANDARD RS STANDAR	MR-01-75/ISO15156 (1) O15156 MATERIAL HEX HEAVY - 8 IND/IN NUT THREAD PER AST M B633 (ASME ROMATE - 8 IND/IN NUT THREAD - 18 IND/IN NUT		PAPAA PAAAA PAAAA PAAAA PAAAA PAAFF 300_BOI PZGAY K6CS-C		E I I I I I I I I I I I I I I I I I I I	1.3. 2.0. 1.0. 1.0. 1.0. 1.0. 1.0. 1.0. 1.0	300 000 000 000 000 000 000 000 000 000	TAM 2026	QTY
TEM	PIPE CARBO BEVELLED E FLANGE, WN. FLANGE BLIN FLANGE BLIN FLANGE BLIN FLANGE BLIN FLANGE BLIN STUDBOLT	DN STEEL, DIMENSIONS A NOS ASME B16.25, ACCO NOS ASME B16.25, ACCO NOS ASME B16.25, ACCO NOS ASME B16.5 AS NO, RAISEO FACE, CLASS NO, RAISEO FACE, CLASS EE, SMLS, ASTM A420 GF EE, SMLS, ASTM A420 GF EE, SMLS, ASTM A420 GF ET WITH HUTS, ASTM A1 NOS ASME B16.5 AS NO ASME B16.1 THERAD TYP NOS B11, UNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B11, UNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B11, UNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD	ACCORDING A ACCORD	ISME B36.10, MATERI MR0175. CEC MR-01-75 SCH 100 NACE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 16.5, CARBON STEEL F WELD, ASME B16.9 H WITH HOT-DIP GAL DIT MATERIAL ASTM B1.1, UNC 2A; 17 20 WITH A SUPPLEME DIT MATERIAL ASTM B1.1, UNC 2A; 17 20 WITH A SUPPLEME CARBON STEEL; ASTM B1.1, UNC 2A; 17 30 MITH A SUPPLEME CARBON STEEL; ASTM SINISHING SPIRAL SETM MR-01-75; 105 15156 IK S355 (0.5m x 0.5m) NG mento alocado.	L ASTM A105, NACE , NACE MR-01-75/IS LVANISED 1A 193 G-67, NUTS I -ASME B1.1, UN ZA -ASME B1.1, UN ZA TY ARY YELLOW CH IA 193 G-67, NUTS I -ASME B1.1, UN ZA TY ASY SELOW CH TH STAINLESS STE SS 800. THX 3.2 mm ME B16.48 STANDAR RRATED, MINITS STANDAR ROS STANDAR ROS STANDAR ROS STANDAR ROS STANDAR ROS JULIUS STANDAR ROS STANDAR ROS JULIUS STANDAR ROS STANDAR ROS JULIUS STANDAR ROS JULIUS STANDAR ROS JULIUS STANDAR ROS STANDAR ROS JULIUS	MR-01-75/ISO15156 (1) O15156 MATERIAL HEX HEAVY - 8 INDIR, NUT THREAD PER ASTM B633 (ASME ROMATE MATERIAL HEX HEAVY - 8 INDIR, NUT THREAD ASTM B633 (ASME ROMATE FROMATE FROMATE FROMATE OTY RD; CLASS 800; TO MAY 250 AARH; THE REMENTS. MA 106 GR B SMLS OTY FIRE EXTINGUISHER FIRE WATCH DIVER SAFETY		PAPAA PAAAA PAAAA PAAAA PAAAA PAAFF 300_BOI PZGAY K6CS-C SPARK PROTECTIC SPARK PROTECTIC SIMULTANEOUSL		E III	2.0. 2.0. 2.0. 40. 20. 1.0. 1.0. 1.0. 1.0. 1.0. 1.0. 1.0	000 000 000 000 000 000 000 000 000 00	TAM 2026 SAFETY WEATHER F	QTY
TEM	PIPE: CARBO BEVELLED E FLANGE, W.N. FLANGE BLIP FLANGE, W.N. FLANGE BLIP FLANGE, W.N. FLANGE BLIP FLANGE, W.N. FLANGE BLIP FLANGE AND FLANGE BLIP FLANGE AS BLIP FLANGE AS TABABLE THE FLANGE AS TABAB	DN STEEL, DIMENSIONS A NOS ASME B16.25, ACCO NOS ASME B16.25, ACCO NOS ASME B16.25, ACCO NOS ASME B16.5 AS NO, RAISEO FACE, CLASS NO, RAISEO FACE, CLASS EE, SMLS, ASTM A420 GF EE, SMLS, ASTM A420 GF EE, SMLS, ASTM A420 GF ET WITH HUTS, ASTM A1 NOS ASME B16.5 AS NO ASME B16.1 THERAD TYP NOS B11, UNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B11, UNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B11, UNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD	ACCORDING A ACCORD	ISME B36.10, MATERI MR0175. CEC MR-01-75 SCH 100 NACE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 16.5, CARBON STEEL F WELD, ASME B16.9 H WITH HOT-DIP GAL DIT MATERIAL ASTM B1.1, UNC 2A; 17 20 WITH A SUPPLEME DIT MATERIAL ASTM B1.1, UNC 2A; 17 20 WITH A SUPPLEME CARBON STEEL; ASTM B1.1, UNC 2A; 17 30 MITH A SUPPLEME CARBON STEEL; ASTM SINISHING SPIRAL SETM MR-01-75; 105 15156 IK S355 (0.5m x 0.5m) NG mento alocado.	L ASTM A105, NACE , NACE MR-01-75/IS LVANISED 1A 193 G-67, NUTS I -ASME B1.1, UN ZA -ASME B1.1, UN ZA TY ARY YELLOW CH IA 193 G-67, NUTS I -ASME B1.1, UN ZA TY ASY SELOW CH TH STAINLESS STE SS 800. THX 3.2 mm ME B16.48 STANDAR RRATED, MINITS STANDAR ROS STANDAR ROS STANDAR ROS STANDAR ROS STANDAR ROS JULIUS STANDAR ROS STANDAR ROS JULIUS STANDAR ROS STANDAR ROS JULIUS STANDAR ROS JULIUS STANDAR ROS JULIUS STANDAR ROS STANDAR ROS JULIUS	MR-01-75/ISO15156 (1) O15156 MATERIAL HEX HEAVY - 8 IND/IN NUT THREAD PER AST M B633 (ASME ROMATE - 8 IND/IN NUT THREAD - 18 IND/IN NUT		PAPAA PAAAA PAAAA PAAAA PAAAA PAAFF 300_BOI PZGAY K6CS-C		E III	2.0. 2.0. 2.0. 40. 20. 1.0. 1.0. 1.0. 1.0. 1.0. 1.0. 1.0	300 000 000 000 000 000 000 000 000 000	TAM 2026 SAFETY WEATHER F	QTY
TEM	PIPE: CARBO BEVELLED E FLANGE, W.N. FLANGE BLIP FLANGE, W.N. FLANGE BLIP FLANGE, W.N. FLANGE BLIP FLANGE, W.N. FLANGE BLIP FLANGE AND FLANGE BLIP FLANGE AS BLIP FLANGE AS TABABLE THE FLANGE AS TABAB	DN STEEL, DIMENSIONS A NOS ASME B16.25, ACCO NOS ASME B16.25, ACCO NOS ASME B16.25, ACCO NOS ASME B16.5 AS NO, RAISEO FACE, CLASS NO, RAISEO FACE, CLASS EE, SMLS, ASTM A420 GF EE, SMLS, ASTM A420 GF EE, SMLS, ASTM A420 GF ET WITH HUTS, ASTM A1 NOS ASME B16.5 AS NO ASME B16.1 THERAD TYP NOS B11, UNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B11, UNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B11, UNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD THICHEAD TYP NOS B1.1 LUNC B1.7 -3. 0.0003 PLATING THICHEAD	ACCORDING A ACCORD	ISME B36.10, MATERI MR0175. CEC MR-01-75 SCH 100 NACE MR-01-75 SCH 100 NACE MR-01-75 SCH 100 16.5, CARBON STEEL F WELD, ASME B16.9 H WITH HOT-DIP GAL DIT MATERIAL ASTM B1.1, UNC 2A; 17 20 WITH A SUPPLEME DIT MATERIAL ASTM B1.1, UNC 2A; 17 20 WITH A SUPPLEME CARBON STEEL; ASTM B1.1, UNC 2A; 17 30 MITH A SUPPLEME CARBON STEEL; ASTM SINISHING SPIRAL SETM MR-01-75; 105 15156 IK S355 (0.5m x 0.5m) NG mento alocado.	L ASTM A105, NACE , NACE MR-01-75/IS LVANISED 1A 193 G-67, NUTS I -ASME B1.1, UN ZA -ASME B1.1, UN ZA TY ARY YELLOW CH IA 193 G-67, NUTS I -ASME B1.1, UN ZA TY ASY SELOW CH TH STAINLESS STE SS 800. THX 3.2 mm ME B16.48 STANDAR RRATED, MINITS STANDAR ROS STANDAR ROS STANDAR ROS STANDAR ROS STANDAR ROS JULIUS STANDAR ROS STANDAR ROS JULIUS STANDAR ROS STANDAR ROS JULIUS STANDAR ROS JULIUS STANDAR ROS JULIUS STANDAR ROS STANDAR ROS JULIUS	MR-01-75/ISO15156 (1) O15156 MATERIAL HEX HEAVY - 8 INDIR, NUT THREAD PER ASTM B633 (ASME ROMATE MATERIAL HEX HEAVY - 8 INDIR, NUT THREAD ASTM B633 (ASME ROMATE FROMATE FROMATE FROMATE OTY RD; CLASS 800; TO MAY 250 AARH; THE REMENTS. MA 106 GR B SMLS OTY FIRE EXTINGUISHER FIRE WATCH DIVER SAFETY		PAPAA PAAAA PAAAA PAAAA PAAAA PAAFF 300_BOI PZGAY K6CS-C SPARK PROTECTIC SPARK PROTECTIC SIMULTANEOUSL		E III	2.0. 2.0. 2.0. 40. 20. 1.0. 1.0. 1.0. 1.0. 1.0. 1.0. 1.0	000 000 000 000 000 000 000 000 000 00	TAM 2026 SAFETY WEATHER F	QTY

JobCard №: A02.L1-TI-0012	QCINSPECTOR	SNEPCo	MABU
	SIGNATURE	SIGNATURE	SIGNATURE
	NAME	NAME	NAME
	DATE	DATE	DATE



BONGA NORTH EPC 1

JOB CARD NUMBER: A02.L1-TI-0012

WORKPACK NUMBER: A02

QUALITY CONTROL AND INSPECTION CQ FORMS:

ENGINEERING DOCUMENTS							
Discipline	Document	Tag	Rev.	Status			
TIE-IN	BNO-NETCO-300-PX-2365-21014-001	TP-01	02A	None			
TIE-IN	BNO-NETCO-300-PX-2365-21024-001	TP-01	02A	None			

	11-01	UZA	140116
COMPANY COMMENTS			

JobCard №: A02.L1-TI-0012	QC INSPECTOR	SNEPC0	MABU
	SIGNATURE	SIGNATURE	SIGNATURE
	NAME	NAME	NAME
	DATE	DATE	DATE