

	TECHNICAL REQUISITION DOCUMENT	DOC. NO.: 2121-BD-PI-TRD-0003
	TRD FOR BOLT, NUT AND GASKET	REV. NO.: A PAGE : 1 / 8

APPENDIX No.1
BOLT, NUT AND GASKET
(08 pages, including this page)



DOCUMENT TITLE :BOLT, NUT AND GASKET

PROJECT NAME.: H3PO4 ACID STORAGE TANK

REV.: A



ITEM	SPEC	CODE	DIM-1	DIM-2	DIM-3	DESCRIPTION	MAT	UNIT	Q.TITY	SPARE	T.Q'TY (Note 1)	REM.
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PIPING SYSTEM

22	BU55C	D844	20	20	0	FLAT RING GASKET #150, SYNTHETIC,FIBRE ASME B16.21/B16.5	-	EA	5	2	7	
23	BU55C	D844	25	25	0	FLAT RING GASKET #150, SYNTHETIC,FIBRE ASME B16.21/B16.5	-	EA	6	2	8	
24	BU55C	D844	50	50	0	FLAT RING GASKET #150, SYNTHETIC,FIBRE ASME B16.21/B16.5	-	EA	3	1	4	
29	BU55C	B131	M14(1/2")	-	-	70 MM LONG STUD BOLT FULLY THREADED WITH 2 HEX NUTS ASME B1.1 & B18.2.2 A193-B7/A194-2H HOT DIP GALVANIZED	-	SET	20	4	24	
30	BU55C	B131	M14(1/2")	-	-	70 MM LONG STUD BOLT FULLY THREADED WITH 2 HEX NUTS ASME B1.1 & B18.2.2 A193-B7/A194-2H HOT DIP GALVANIZED	-	SET	24	5	29	
31	BU55C	B131	M16(5/8")	-	-	90 MM LONG STUD BOLT FULLY THREADED WITH 2 HEX NUTS ASME B1.1 & B18.2.2 A193-B7/A194-2H HOT DIP GALVANIZED	-	SET	12	2	14	

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PIPING SYSTEM

29	EG55B	D780	15	15	0	FLAT RING GASKET #150,BUTYL RUBBER ASME B16.21/B16.5	-	EA	1	0	1.0	
30	EG55B	D780	50	50	0	FLAT RING GASKET #150,BUTYL RUBBER ASME B16.21/B16.5	-	EA	18	5	23.0	
31	EG55B	D780	100	100	0	FLAT RING GASKET #150,BUTYL RUBBER ASME B16.21/B16.5	-	EA	4	1	5.0	
32	EG55B	D780	150	150	0	FLAT RING GASKET #150,BUTYL RUBBER ASME B16.21/B16.5	-	EA	2	1	3.0	
33	EG55B	D780	200	200	0	FLAT RING GASKET #150,BUTYL RUBBER ASME B16.21/B16.5	-	EA	3	1	4.0	
34	EG55B	B131	M14(1/2")	-	-	65 MM LONG STUD BOLT FULLY THREADED WITH 2 HEX NUTS ASME B1.1 & B18.2.2 A193-B7/A194-2H HOT DIP GALVANIZED	-	SET	4	2	6.0	
35	EG55B	B131	M16(5/8")	-	-	90 MM LONG STUD BOLT FULLY THREADED WITH 2 HEX NUTS ASME B1.1 & B18.2.2 A193-B7/A194-2H HOT DIP GALVANIZED	-	SET	72	14	86.0	
36	EG55B	B131	M16(5/8")	-	-	95 MM LONG STUD BOLT FULLY THREADED WITH 2 HEX NUTS ASME B1.1 & B18.2.2 A193-B7/A194-2H HOT DIP GALVANIZED	-	SET	32	6	38.0	
37	EG55B	B131	M16(3/4")	-	-	105 MM LONG STUD BOLT FULLY THREADED WITH 2 HEX NUTS ASME B1.1 & B18.2.2 A193-B7/A194-2H HOT DIP GALVANIZED	-	SET	16	3	19.0	
38	EG55B	B131	M16(3/4")	-	-	115 MM LONG STUD BOLT FULLY THREADED WITH 2 HEX NUTS ASME B1.1 & B18.2.2 A193-B7/A194-2H HOT DIP GALVANIZED	-	SET	24	5	29.0	

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PIPING SYSTEM

4	EG55BC	D844	25	25	0	FLAT RING GASKET #150,BUTYL RUBBER ASME B16.21/B16.5	-	EA	2	1.0	3.0	
5	EG55BC	B131	M14(1/2")	-	-	70 MM LONG STUD BOLT FULLY THREADED WITH 2 HEX NUTS ASME B1.1 & B18.2.2 A193-B7/A194-2H HOT DIP GALVANIZED	-	SET	8	2.0	10.0	

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PIPING SYSTEM												
19	EG55BD	D780	50	50	0	FLAT RING GASKET #150,BUTYL RUBBER ASME B16.21/B16.5	-	EA	9	3.0	12.0	
20	EG55BD	D780	80	80	0	FLAT RING GASKET #150,BUTYL RUBBER ASME B16.21/B16.5	-	EA	17	5.0	22.0	
21	EG55BD	D780	250	250	0	FLAT RING GASKET #150,BUTYL RUBBER ASME B16.21/B16.5	-	EA	1	0.0	1.0	
22	EG55BD	B131	M16(5/8")	-	-	90 MM LONG STUD BOLT FULLY THREADED WITH 2 HEX NUTS ASME B1.1 & B18.2.2 A193- B7/A194-2H HOT DIP GALVANIZED	-	SET	36	7.0	43.0	
23	EG55BD	B131	M16(5/8")	-	-	95 MM LONG STUD BOLT FULLY THREADED WITH 2 HEX NUTS ASME B1.1 & B18.2.2 A193- B7/A194-2H HOT DIP GALVANIZED	-	SET	136	27.0	163.0	
24	EG55BD	B131	M24(7/8")	-	-	120 MM LONG STUD BOLT FULLY THREADED WITH 2 HEX NUTS ASME B1.1 & B18.2.2 A193- B7/A194-2H HOT DIP GALVANIZED	-	SET	12	2.0	14.0	
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ITEM	SPEC	CODE	DIM-1	DIM-2	DIM-3	DESCRIPTION	MAT	UNIT	Q.TITY	SPARE	T.Q'TY (Note 1)	REMARK
PIPING SYSTEM												
58	PV55C	-	15	15	0	FLAT RING GASKET #150, BUTYL RUBBER ASTM B16.21/B16.5	-	EA	8	2.0	10.0	
59	PV55C	-	20	20	0	FLAT RING GASKET #150, BUTYL RUBBER ASTM B16.21/B16.5	-	EA	29	3.0	32.0	
60	PV55C	-	25	25	0	FLAT RING GASKET #150, BUTYL RUBBER ASTM B16.21/B16.5	-	EA	44	4.0	48.0	
61	PV55C	-	40	40	0	FLAT RING GASKET #150, BUTYL RUBBER ASTM B16.21/B16.5	-	EA	2	1.0	3.0	
62	PV55C	-	50	50	0	FLAT RING GASKET #150, BUTYL RUBBER ASTM B16.21/B16.5	-	EA	13	2.0	15.0	
63	PV55C	-	65	65	0	FLAT RING GASKET #150, BUTYL RUBBER ASTM B16.21/B16.5	-	EA	2	1.0	3.0	
64	PV55C	-	100	100	0	FLAT RING GASKET #150, BUTYL RUBBER ASTM B16.21/B16.5	-	EA	24	4.0	28.0	
65	PV55C	-	150	150	0	FLAT RING GASKET #150, BUTYL RUBBER ASTM B16.21/B16.5	-	EA	20	6.0	26.0	
66	PV55C	-	M14(1/2")	-	-	70 MM LONG STUD BOLT FULLY THREADED WITH 2 HEX NUTS ASME B1.1 & B18.2.2 A193-B7/A194-2H HOT DIP GALVANIZED	-	SET	32	6.0	38.0	
67	PV55C	-	M14(1/2")	-	-	70 MM LONG STUD BOLT FULLY THREADED WITH 2 HEX NUTS ASME B1.1 & B18.2.2 A193-B7/A194-2H HOT DIP GALVANIZED	-	SET	116	23.0	139.0	
68	PV55C	-	M14(1/2")	-	-	70 MM LONG STUD BOLT FULLY THREADED WITH 2 HEX NUTS ASME B1.1 & B18.2.2 A193-B7/A194-2H HOT DIP GALVANIZED	-	SET	176	35.0	211.0	



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69	PV55C	-	M14(1/2")	-	-	75 MM LONG STUD BOLT FULLY THREADED WITH 2 HEX NUTS ASME B1.1 & B18.2.2 A193-B7/A194-2H HOT DIP GALVANIZED	-	SET	8	2.0	10.0	
70	PV55C	-	M16(5/8")	-	-	90 MM LONG STUD BOLT FULLY THREADED WITH 2 HEX NUTS ASME B1.1 & B18.2.2 A193-B7/A194-2H HOT DIP GALVANIZED	-	SET	52	10.0	62.0	
71	PV55C	-	M16(5/8")	-	-	95 MM LONG STUD BOLT FULLY THREADED WITH 2 HEX NUTS ASME B1.1 & B18.2.2 A193-B7/A194-2H HOT DIP GALVANIZED	-	SET	8	2.0	10.0	
72	PV55C	-	M16(5/8")	-	-	95 MM LONG STUD BOLT FULLY THREADED WITH 2 HEX NUTS ASME B1.1 & B18.2.2 A193-B7/A194-2H HOT DIP GALVANIZED	-	SET	192	38.0	230.0	
73	PV55C	-	M20(3/4")	-	-	105 MM LONG STUD BOLT FULLY THREADED WITH 2 HEX NUTS ASME B1.1 & B18.2.2 A193-B7/A194-2H HOT DIP GALVANIZED	-	SET	160	32.0	192.0	

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PIPING SYSTEM

11	BU55F	D844	100	100	0	FLAT RING GASKET #150, SYNTHETIC FIBRE ASTM B16.21/B16.5	-	EA	3	1.0	4.0	
12	BU55F	B131	M16(5/8")	-	-	95 MM LONG STUD BOLT FULLY THREADED WITH 2 HEX NUTS ASME B18.2.1 & B18.2.2 A193-B7/A194-2H	-	SET	24	5.0	29.0	

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