

(PP)
INSTRUCTION & INVESTMENT

Document No.

BIAK-DS-10-001-A4

DATASHEET FOR FIRE PROTECTION & SAFETY EQUIPMENT

REV : 0
Sheet No.
Page 1 of 2

		COMPANY CONTRACTOR PROJECT TITLE LOCATION CONTRACT NO JOB NO	: Pembangun Terminal Bia	RSERO), Tbk an Dermaga k ak	PT. PERTAI APPRO APPRO NOT AF	WINA PAVED VED WITH	ATRA I	ENT
					DATE	CHECKED	AP	PROVED
0	Issued for Approval	13/03/2024	2ND ^{ELT}	ABP / SM	SAW	AFM	ATH	AP
REV	DESCRIPTION	DATE	PREPARED PT. PREPARE	CHECKED PP (Persero), RED & SUBMIT	Tbk.	PT. P	ertamina	Patra Niaga PPROVED BY



(PP)
CONSTRUCTION & INVESTMENT

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BIAK-DS-10-001-A4

DATASHEET FOR FIRE PROTECTION & SAFETY EQUIPMENT

CONSTRUCTION & INVESTMENT										
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REVISION CONTROL SHEET

REV. NO.	DATE	DESCRIPTION
0	13/03/2024	Issued For Approval

DISTRIBUTION ORDER

EXTERNAL ISSUE	PT. PP (Persero) Tbk - INTERNAL ISSUE								
☑ PT. PERTAMINA PATRA NIAGA	⊠ PROJECT MANAGER	☐ LEAD ADMINISTRATION							
		□ LEAD SHE							
	☐ CONSTRUCTION MANAGER								
	☑ PROCUREMENT MANAGER								
	☐ PROJECT CONTROL MANAGER								
	☐ SHE MANAGER								
	☐ QC MANAGER								
_	□ LEAD ENGINEERING								
	☐ LEAD PROJECT CONTROL								

PERTAMINA PATRA NIAGA
Document No.
BIAK-DS-10-001-A4



Document No.				PF	OCESS SAFET		REV:U					
BIAK-DS-10-001-A4			PROCESS SAFETY DATASHEET FOR FIRE PROTECTION & SAFETY EQUIPMENT								Sheet No.	
							Page 3 of 1	0				
1.0 FIRE HYDRANT												
A) G	ENERAL INFORMATION	1										
1	ITEM DESCRIPTION		Ţ	_	D-WAY FIRE HYDR	_		_				
2	TYPE		4	_	DRY BARREL TYPE	<u>''</u>	WET BARREL T	ΤY				
3	BARREL SIZE		_		4 INCH		6 INCH		OTHER			
4	QUANTITY		5		UNITS	_	,					
5	FLUID HANDLED		_		RAW WATER	_	SEA WATER		FIRE WATER			
6	CAPACITY	211	_	_	250 USGPM (115 N				TEMPERATURE AMP		°C	
7	OPERATING CONDITION	JN	_	_	X. PRESSURE: 1	ıs,	9 KG/CM ² G INDOOR		TEMPERATURE: AMB.		<u> </u>	
8 9	LOCATION ENVIRONMENTAL CON	IDITION	+		HUMID	┾	_		./ MARINE			
	CODE AND STANDARD		井	_	UL OR	╁	SANDY FM		(NOTE 2)			
10	CODE AND STANDARL			<u>'</u>	OL OK	١٠/	<u> 1 ∟⊪</u>		(NOTE 2)			
B) F	RE HYDRANT VALVE A	ND CONNECTION	IS									
11	INLET SIZE AND TYPE		4	l" <i>F</i>	NSI CLASS 150 LE	3S	RF WELDED N	NE	ECK FLANGED			
12	OUTLET QUANTITY			٠/	TWO		THREE		OTHER			
13	HOSE CONNECTION		2	2 P	CS X 2-1/2" WITH N	١H٦	T COUPLING					
14	HYDRANT VALVE MOD	DEL			OBLIQUE	Į.,	BIB NOSE					
15	PUMPER CONNECTION	N			YES	ř	/ NO					
C) A	CCESSORIES											
	ACCESSORIES	1	_	_	CAD O CHATAL				D DOLT & NUTS			
17	ACCESSORIES		y SS TAG PLATE NO.						J BOLT & NUTS J FLANGE GASKET			
- 17				٧.	33 TAG FEATE NO.				7 FLANGE GASKET			
D) M	ATERIAL, PAINTING, A	ND TEST										
18	MATERIAL DATA		H	ΙΥ	DRANT PILLAR		:		BRASS OR EQUIVALENT			
19			ŀ	10:	SE COUPLING		:		BRONZE OR EQUIVALENT			
20			ŀ	ΗY	DRANT VALVE		:		BRASS OR EQUIVALENT			
21			(CAF)		:		BRASS OR EQUIVALENT			
22			(CHA	AIN		:		STAINLESS STEEL			
23	PAINTING		F	PRI	MER AND RED EPO	XC	Y PAINT (RAL	. 3	8000) FOR MARINE ENVIROR	NME	NT	
24	UNIT WEIGHT		Ν	ЛFF	₹							
25	TEST & INSPECTION		H	IY[DROSTATIC TEST, '	VIS	SUAL CHECK,	C	000, COC			
E) N	OTES											
26	1. MFR: MANUFACTUR	DED STANDARD										
27	VTA: VENDOR TO											
28	VIA. VENDOR TO A	ADVIOL										
29												
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BIAK-DS-10-001-A4			KE PROTE	CHO	IN CX	JAI		EQUIPMENT	Page 4 of 10
2.0						~ L ITT	NC CAD	MAICT	
2.0				FIF	KEFI	JHII	NG CAB	DINE I	
A) GENERAL INFORMAT	ION								
1 ITEM DESCRIPTION	١	FII	REFIGHTING	CABII	NET				
2 TYPE			WALL HANGE	Đ	./	SELF	STANDIN	NG	
3 QUANTITY		4	SETS						
4 FLUID HANDLED			RAW WATER				A WATER		
5 OPERATING COND	ITION		AX. PRESSU	RE:	13,9	_	G/CM ² G	TEMPERATURE: AMB	· °C
6 LOCATION		<u>''</u>	OUTDOOR			_	IDOOR	- Luaprus	_
7 ENVIRONMENTAL (++	HUMID UL	00		_	ANDY	-/ MARINE	
8 CODE AND STANDA	ARDS	<u> </u>	JOL	OR	L	./ FI	4		
B) CABINET FEATURES	AND CONTENTS								
9 CABINET FEATURE	S	DC	OOR	./	HING	GED F	IGHT	HINGED LEFT	
10		LC	OCK	:	LAT	CHO	NLY	√ KEY LOCK	
11		SU	JPPORT	: RE	QUIR	RED			
12		VE	ENTILATION	: RE	QUIR	RED			
13		_			_ `			O STORE ALL CONTENTS)	
14 CABINET CONTENT	S	-	RE HOSE					ETER LENGTH WITH 2-1/2" NHT	
15		_	ATER NOZZL					: FOG/STRAIGHT/SHUT-OFF; 2-	· · · · · · · · · · · · · · · · · · ·
16		-	DAM INDUCTO				•	ABLE INDUCTOR 3% AFFF TYPE	*
17		-	DAM NOZZLE					: FOAM BRANCH PIPE; 2-1/2" N	,
18		FC	DAM PAIL		: 2	PCS	(TYPE:	: 3% AFFF CONCENTRATE, CAP	'. 25 L)
C) ACCESSORIES									
19 ACCESSORIES		./	SS TAG PLAT	E NO.				J BOLT & NUTS	
20		./	HOSE RACK A	AND HAI	NGER				
D) MATERIAL DAINTING	AND TEST								
D) MATERIAL, PAINTING 21 MATERIAL DATA	, AND IEST	100	ATED NOTE	FC				ALLIMANIUM ALLOV OD FOLIVA	LENT
22 WATERIAL DATA		_	ATER NOZZL RE HOSE	ES				ALUMINIUM ALLOY OR EQUIVA RUBBER	LENI
23		-	OSE COUPLI	NG				BRASS/ALUMINIUM OR EQUIVA	
24		+	DAM NOZZLE					ALUMINIUM OR EQUIVALENT	XLEI VI
25		_	DAM INDUCTO					BRASS/BRONZE OR EQUIVALE	NT
26		_	ABINET					•	
27			BODY				: ;	STEEL PLATE (EPOXY COATED))
28			HANDLE					STAINLESS STEEL	
29			HINGES				: ;	STAINLESS STEEL	
30 PAINTING		R/	AL 3000						
31 UNIT WEIGHT		MF	FR						
32 TEST & INSPECTIO	N	DI	MENSIONAL	CHEC	K, VI	ISUA	L CHEC	K, COO, COC	
E) NOTES									
<u> </u>	TURER STANDARD								
34 VTA: VENDOR T									
1 17 11 12 113 311 1		LOPE :	TOWARDS G	ROUN	D TO	AVC	DID WAT	TER ACCUMULATION	
36									
37									
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В	AK-DS-10-001-A4	FIRE PROTECTION & SAFETY EQUIPMENT	Page 5 of 10									
3.0	.0 FIRE FOAM MONITOR											
	A) GENERAL INFORMATION											
A) G	ITEM DESCRIPTION	WATER POWERED FOAM MONITOR										
2	TYPE	WATER-POWERED FOAM MONITOR Manual Lever										
3	1111 -	- SINGLE WATERWAY DOUBLE WATERWAY										
4	QUANTITY	2 SETS										
5	FLUID HANDLED	RAW WATER ./ FOAM SEA WATER FIRE WATER										
6	OPERATING CONDITION	MAX. PRESSURE: 13,9 KG/CM ² G TEMPERATURE: AMB.	°С									
7	LOCATION	J OUTDOOR INDOOR										
8	ENVIRONMENTAL CONDITION	HUMID SANDY ./ MARINE										
9	OSCILLATING POWER	MANUAL ., HYDRAULIC ELECTRIC										
10	CODE AND STANDARDS	J UL OR J FM										
B) F	DAM MONITOR CONNECTIONS	AND FEATURES										
11	INLET SIZE AND TYPE	4" ANSI CLASS 150 LBS RF WELDED NECK FLANGED										
12	OUTLET SIZE AND TYPE	2-1/2" THREADED OR AS PER MFR										
13	MONITOR FLOW RATES	500 GPM (115 M3/H)										
14	MONITOR CAPABILITY	VERTICAL MOVEMENT : -15° TO +75° IN MINIMUM, WITH LO	CKING MECHANISM									
15		HORIZONTAL MOVEMENT : FULL 360° ROTATION										
16	FOAM MONITOR NOZZLE FEAT											
17	TYPE	ADJUSTABLE FOG/STRAIGHT STREAM, SELF-EDUCTING COMPLET	E WITH PICKUP TUBE									
18 19	INLET NOZZLE PERFORMANCE	2-1/2" THREADED CAPABLE REACH RADIUS MIN. 45 METERS										
20	CAPACITY	115 M ² /H (500 GPM) at 7 KG/CM ² G										
21	FOAM CONCENTRATE TANK	113 W / 11 (300 GF W) At 7 KG/GW G										
22	TYPE	FIXED STAINLESS STEEL ATMOSPHERIC TANK										
23	CONCENTRATE TYPE	3% AFFF FOAM CONCENTRATE										
21	CAPACITY	2000 LITER										
22	TANK APPURTENANCES	LEVEL INDICATOR, FILLING CAP, DRAIN CONNECTION, LIFTING LU	JG									
<u> </u>	CCESSORIES	FQUIPMENT TAG NO.										
	ACCESSORIES											
24		J FLANGE GASKET										
D) M	ATERIAL, PAINTING, AND TES	Т										
25	MATERIAL DATA	MONITOR BODY : BRASS OR EQUIVALENT										
26		MONITOR NOZZLE : BRONZE OR EQUIVALENT										
27		FOAM TANK : STAINLESS STEEL										
28	PAINTING	PRIMER AND RED EPOXY PAINT (RAL 3000)										
29	UNIT WEIGHT	MFR										
30	TEST & INSPECTION	HYDROSTATIC TEST, VISUAL CHECK, COO, COC										
E) N	OTES											
31	1. MFR: MANUFACTURER STA	NDARD										
32	VTA: VENDOR TO ADVISE											
33												
34												
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37	7											
38	98											
39	39											
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4.0				PORTABLE DR	Y CH	EMICA	L FII	RE	EXTINGUISHER	
A) G	ENERAL INFORMATION	J								
1	ITEM DESCRIPTION		С	DRY CHEMICAL E	EXTIN	NGUISH	IER			
2	QUANTITY	6		UNITS						
3	CODE AND STANDARD	os .	/	UL OR	./ F	М				
B) P	ORTABLE EXTINGUISH	ER FEATURES								
4	TYPE		.,	HAND	Пν	VHEELED)			
5	CLASS		.,	A	./ B		•		√ C	
6	CAPACITY	9	K	G (20 LBS)						
7	RATING	V	T	\						
8	HORIZONTAL RANGE	V	T	4						
9	DISCHARGE TIME	V	T	4						
8	OPERATION METHOD			STORED PRESSURE			_		RTRIDGE	
9	EXTINGUISHING AGE	NT		WATER			_		MONIUM PHOSPATE	
10			_	POTASSIUM BICARE	_		·/ !	SOI	DIUM BICARBONATE	
11	LOCATION INSTALLAT			OUTDOOR	Пп	NDOOR				
12	AGENT WEIGHT GROSS WEIGHT	N N	1FI							
13 14	INSTALLATION METHO	_	II	HANGER			CABI	TNE	т	
15	INOTALLATION WETTE			PAN/ STAND		+	WHE	_	!	
	l.									
⊢ <u>ʻ</u>	CCESSORIES			WALL HANGED			_	1		
16	ACCESSORIES		_	WALL HANGER HOSE & NOZZLE			_	_	ABINET FOR OUTDOOR INSTALLATIO	N
17 18		<u> </u>	٠/	PRESSURE GAUGE					SPECTION TAG CREW & FISHER / BOLT & NUT	
19			./	EQUIPMENT TAG NO	<u> </u>			_	RE EXT. SIGN	
	l	L								
	IATERIAL, PAINTING, A									
20	MATERIAL DATA	+		ELL			:		MFR	
21 22				SE BINET			<u>:</u>		RUBBER TAINLESS STEEL	
-	PAINTING	N N					•		TAINLESS STEEL	
24			1F							
25	TEST & INSPECTION	D	١N	IENSIONAL CHEC	K, VI	SUAL	CHE	CK	, COO, COC	
Ĺ	IOTEO									
	OTES	DED OTANDADD								
26 27	MFR: MANUFACTUR VTA: VENDOR TO									
28	VIA. VENDOR 107	ADVISE								
29										
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PROCESS SAFETY DATASHEET FOR FIRE PROTECTION & SAFETY EQUIPMENT

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5.0				PORTABL	E CO2 I	FIRE	RE EXTINGUISHER		
A) G	ENERAL INFORMATION	1							
	ITEM DESCRIPTION		CO	2 EXTINGUISHER					
2	QUANTITY		2	SETS					
3	CODE AND STANDARD	s	·/	UL OR	.∕ FM				
		1							
	ORTABLE EXTINGUISH	ER FEATURES	_						
	TYPE		-/-	HAND	WHEE	ELED			
5	CLASS		<u> </u>	A (10. (10. 1.70.)	В		√ C		
6	CAPACITY RATING			KG (10 LBS)					
7	HORIZONTAL RANGE		VTA						
8	DISCHARGE TIME		VTA						
8	OPERATION METHOD		V 17	SELF EXPELLING			CARTRIDGE		
	EXTINGUISHING AGEN	NT	1.7	CARBON DIOXIDE			AMMONIUM PHOSPATE		
10	EXTINODIOLINO NOEL	*1	Ħ	POTASSIUM BICARE	ONATE		SODIUM BICARBONATE		
	LOCATION INSTALLAT	ION	H	OUTDOOR	√ INDO	OR			
_	AGENT WEIGHT		MF						
	GROSS WEIGHT		MF						
14	INSTALLATION METHO)D		HANGER		./	CABINET		
15				PAN/ STAND			WHEEL		
	CCESSORIES			WALL HANGER			CARAMET FOR CUTTOOR MISTALL	TION	
	ACCESSORIES		\vdash				CABINET FOR OUTDOOR INSTALLA	TION	
17			1./	HOSE & NOZZLE			./ INSPECTION TAG./ SCREW & FISHER / BOLT & NUT		
18			+	PRESSURE GAUGE	`		, FIRE EXT. SIGN		
19			٠/	EQUIPMENT TAG NO	<i>)</i> .		4 The Berraion		
D) M	ATERIAL, PAINTING, A	ND TEST							
20	MATERIAL DATA		SH	ELL			: MFR		
21			НО	SE			: RUBBER		
22			CAI	BINET			: STAINLESS STEEL		
23	PAINTING		MF	R					
	UNIT WEIGHT		MF						
25	TEST & INSPECTION		DIN	MENSIONAL CHEC	K, VISU	AL (CHECK, COO, COC		
E) N	OTES								
26	1. MFR: MANUFACTUR	RER STANDARD							
27	VTA: VENDOR TO A								
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6.0			WHEELED DRY CHEMICAL FIRE EXTINGUISHER											
A) G	SENERAL INFORMATION													
1	ITEM DESCRIPTION		BC DRY CHEMICAL EXTINGUISHER											
2 QUANTITY			3 SETS											
3 CODE AND STANDARDS			JUL OR JFM											
B) V	VHEELED EXTINGUISHE	ER FEATURES												
4	· ₁			HAND , WHEELED A , B , C										
5				A										
6	CAPACITY	75	5 I	KG (160 LBS)										
7	RATING		VTA											
8	HORIZONTAL RANGE		VTA VTA											
9				STORED PRESSURE	CARTRINCE									
8	OPERATION METHOD EXTINGUISHING AGENT		STORED PRESSURE WATER					/ CARTRIDGE AMMONIUM PHOSPATE						
10	LX IINGOISI IING AGLI		POTASSIUM BICARBONATE				_	SODIUM BICARBONATE						
11	LOCATION INSTALLAT	ION I	OUTDOOR INDOOR			_	7 .							
12		- Manager												
13			MFR											
14	INSTALLATION METHO	OD D	 				ABI	NET						
15						۰, ۷	/HEE	EL						
C) A	ACCESSORIES													
16	ACCESSORIES		7	TROLLEY			.,	COVERSHEET FOR OUTDOOR INSTALL	ATION					
17				, HOSE & NOZZLE				./ INSPECTION TAG						
18			7 PRESSURE GAUGE					SCREW & FISHER / BOLT & NUT						
19			-/ EQUIPMENT TAG NO.				4	, FIRE EXT. SIGN						
D) V	MATERIAL, PAINTING, A	ND TEST												
	MATERIAL DATA		HF				:	MFR						
21		H	_				_	RUBBER						
22				ET COVER			:							
23	PAINTING													
24	UNIT WEIGHT	MI	MFR											
25	TEST & INSPECTION	DI	DIMENSIONAL CHECK, VISUAL CHECK, COO, COC											
F) N	IOTES													
26	1	RER STANDARD												
27	VTA: VENDOR TO													
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											5 9 01 10			
7.0		FIRE BOAT C	10:	NNE	CTION AND INT	ΓΕ	RNATION SHIP/S	HC	RE CONNECTION	(ISC)				
A) G	ENERAL INFORMATION													
1	ITEM DESCRIPTION	·	FI	IRF	BOAT CONNECTION	ΩN	L& ISC							
2	TYPE		FIRE BOAT CONNECTION & ISC 7 2-WAY BREECHING INLET 3-WAY BREECHING							.ET				
3	BARREL SIZE							OTHER						
4	QUANTITY		1 SET (FOR FIRE E			В		_	SET (FOR ISC)					
5	FLUID HANDLED								FIRE WATER					
6	OPERATING CONDITION	NC	7 92 t t						MPERATURE: AMB.	°С				
7	LOCATION		_	_	UTDOOR	Ė	INDOOR							
8				_	JMID		SANDY	٠,	MARINE					
9	CODE AND STANDARD		М	IFR (FOR FIRE BOAT (CO	NN.) & IMO SOLAS	_						
					,		, a 332.18		(. 0 0 0)					
L_	IRE BOAT CONNECTION		_											
	INLET SIZE AND TYPE				S X 2-1/2" NHT CO									
11	OUTLET SIZE AND TYP	PE	4" ANSI 150# RF											
12	ACCESSORIES		NON-RETURN VALVE V RUBBER CAP & CHAIN V FLANGE GASK											
13			GATE VALVE V NUTS & WASHER											
C) II	NTERNATIONAL SHIP/SI	HORE CONNECTIO	N F	FEA	TURES									
14	DIMENSIONS		0	D: 1	78 MM ID: 64	4 N	M							
15	SLOT IN FLANGE		4	HOL	ES @ DIA. 19 MM	VI								
	6 FLANGE THICKNESS MIN. 14.5 MM													
17	CONNECTION		-1/2"	WITH NHT COUP	LII	NG ADAPTOR								
18	STORAGE	FLAME RETARDANT BOX												
19	0.0.0.02				, ss lock & hinges									
20			✓ SS BOLT & NUT											
D) N	ATERIAL DAINTING A	ND TEST												
⊢ <u>ʻ</u>	IATERIAL, PAINTING, A MATERIAL DATA	ND 1E21			DO AT CONTRICTO		DDA6		OD FOLID (AL FAIT					
	WATERIAL DATA				BOAT CONNECTION	UN			OR EQUIVALENT					
22			ISC : BRASS OR EQUIVA CAP : RUBBER OR EQUIV											
23			CAP : RUBBER OR EQUIVALENT CHAIN : STAINLESS STEEL											
24					N .									
	PAINTING			IFR										
26 27	UNIT WEIGHT TEST & INSPECTION			IFR	AL CHECK, COO,)C							
21	TEST & INST ESTICIT		V	130/	AL CHECK, COO,	CC								
E) N	OTES													
28	1. MFR: MANUFACTUR	RER STANDARD												
29	VTA: VENDOR TO A	ADVISE												
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PERTAMINA PATRA NIAGA			DAT	(PP) CONSTRUCTION A INVESTMENT	(PP) CONSTRUCTION & INVESTMENT							
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8.0				FYFWAS	Нδ	SAFETY S	HOWE	-R				
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	ENERAL INFORMATIO	N										
	ITEM DESCRIPTION			YEWASH AND SAFE								
2	TYPE			PLUMBED								
	QUANTITY		1	SET	_	1.						
	FLUID HANDLED			SERVICE WATER	Ļ	SEA WATER		FIRE WATER	- 0			
_	OPERATING CONDIT	ION		AX. PRESSURE:	4			TEMPERATURE: AME	B. °C			
	LOCATION		<u> </u>	OUTDOOR	L	INDOOR						
	ENVIRONMENTAL CC		┵	HUMID	SANDY		./ MARINE					
8	8 CODE AND STANDARDS			ANSI/ISEA Z358.1	٠,	AS 4775-2007	✓ MFR					
B) E	B) EYEWASH & SAFETY SHOWER FEATURES AND CONNECTIONS											
9	CAPACITY	DURATION										
10		SHOWER	_	USGPM (4.54 M3/H								
11		0.	0.4 USGPM (0.09 M3/H)									
12 INLET SIZE AND TYPE			2"	2" ASME B16.5, 150# RF								
C) A	0050000150											
⊢ <u>ʻ</u>	CCESSORIES			PULLROD WITH HAND								
14	ACCESSORIES		-/	FLOW REGULATOR	LC							
15			1,		T DI	=DAI						
16				DUST COVER		LDAL						
17				DRAIN								
18				SCALD PROTECTION I	31 FF	ED VALVE						
-	19			U EQUIPMENT TAG PLATE								
			1 1"	TEQUITIENT THOTEN								
D) N	IATERIAL, PAINTING,	AND TEST										
20	MATERIAL DATA		В	OWL		:	STAI	NLESS STEEL				
21			PI	PING		:	STAI	NLESS STEEL				
22			SI	HOWER		:	STAI					
23			_	THER								
_	24 PAINTING			MFR								
	25 UNIT WEIGHT			MFR								
26	TEST & INSPECTION		VI	VISUAL CHECK, COO, COC								
E) N	OTES											
27	1. MFR: MANUFACTU	IRER STANDARF	<u> </u>									
28	VTA: VENDOR TO	-										
29	12.1231110											