

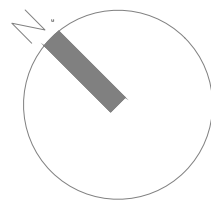
FIRE PROTECTION SYSTEM

3G Project Site Office (PS)

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FIRE PROTECTION SYSTEM SYMBOLS					
PIPING SYMBOLS		VALVE & ACCESSORIES SYMBOLS		GENERAL ABBREVIATIONS	
SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
	FIRE PROTECTION PIPE		GENERAL VALVE		PILOT LAMP
	DRAIN PIPE		GATE VALVE (NON-RISING STEM)		ALARM DEVICE
	FLOW IN DIRECTION OF ARROW		OS & Y GATE VALVE	NO	NORMALLY OPEN CONTACT
	PITCH OF DRAIN		CHECK VALVE	NC	NORMALLY CLOSE CONTACT
			BUTTERFLY VALVE	&	AND
			BALL VALVE	AC	ALTERNATING CURRENT
FITTING SYMBOLS			POST INDICATOR VALVE	ANSI	AMERICAN NATIONAL STANDARD INSTITUTE
SYMBOLS	DESCRIPTION		ANGLE VALVE	ASTM	AMERICAN SOCIETY FOR TESTING MATERIA
	ELBOW 90°		SOLENOID VALVE	ATM	ATMOSPHERE
	ELBOW LOOKING UP		HYDRAULIC CONTROL VALVE	BL	BRANCH LINE
	ELBOW LOOKING DOWN		PRESSURE REGULATING VALVE (PILOT OPERATED)	BLDG.	BUILDING
	TEE		PRESSURE RELIEF VALVE (PILOT OPERATED)	B.O.P	BOTTOM OF PIPE
	TEE LOOKING UP		SIGHT FLOW INDICATOR	°C	DEGREE CELSIUS
	TEE LOOKING DOWN		EQUIPMENT DRAIN	Cm	CENTIMETRE
	FLANGE		OPEN WASTE CONE	DC	DIRECT CURRENT
	UNION		CLOSED WASTE CONE	DN	DROP NIPPLE
	REDUCER		FOOT VALVE	D.O.L	DIRECT ON-LINE STARTER
	REDUCER CONCENTRIC		AIR ELEMINATOR, AUTOMATIC WITH VALVE	DR	DRAIN
	REDUCER ECCENTRIC STRAIGHT INVERT		AUTOMATIC AIR VENT WITH VALVE	DWGS	DRAWINGS
	REDUCER ECCENTRIC STRAIGHT CROWN		SELF OPERATED PRESSURE REGULATING VALVE	°F	DEGREE FAHRENHEIT
	REMOVABLE CAP END		PILOT OPERATED PRESSURE REGULATING VALVE	FM	FACTORY MUTUAL
	BLIND FLANGED END		DRAIN VALVE	FP	FIRE PUMP
			KEY OPERATED VALVE	FPM	FEET PER MINUTE
			VALVE IN PIT	FS	FLOW SWITCH
FIRE PROTECTION SYMBOLS			FLOW METERING ELEMENT	FT	FEET
SYMBOLS	DESCRIPTION		PRESSURE GAUGE WITH COCK AND SNUBBER	GPM	GALLON PER MINUTE
	FIRE HYDRANT		VALVE SUPERVISORY SWITCH	HP	HORSE POWER
	ROOF MANIFOLD		FS - FLOW SWITCH, PS - PRESSURE SWITCH	Hz	HERTZ
	FIRE DEPARTMENT CONNECTION		ALIGNMENT GUIDE SLEEVE	JP	JOCKEY PUMP
	HOSE REEL CABINET, SURFACE MOUNT		EXPANSION JOINT	kg	KILOGRAM
	HOSE REEL CABINET, SEMI-RECESSED MOUNT		PUMP	kW	KILOWATT
	HOSE REEL CABINET, RECESSED MOUNT			LB	POUND
	HYDRANT HOSE CABINET			m	METRE
	ALARM VALVE WITH WATER MOTOR GONG	ELECTRICAL SYMBOL		MAX	MAXIMUM
	ALARM VALVE (LOOKING DOWN)	SYMBOLS	DESCRIPTION	MIN	MINIMUM
	WATER MOTOR GONG		ISOLATING SWITCH	mm	MILIMETRE
	PENDENT SPRINKLER HEAD, RECESSED TYPE		CIRCUIT BREAKER	NC	NORMALLY CLOSED
	UP-RIGHT SPRINKLER HEAD		WIRE JUMPED AT TERMINAL BLOCK	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
	CONCEALED SPRINKLER HEAD		WIRING FOR REMOTE CONTROL OR REMOTE ANNUNCIATOR	NO	NORMALLY OPEN
	200F PENDENT SPRINKLER HEAD		SOLENOID VALVE	NO.	NUMBER
	SIDE WALL PENDENT SPRINKLER HEAD		MOTORIZING VALVE, TWO-DIRECTION	N.P.T	NATIONAL PIPE TREAD
	CO2 PORTABLE FIRE EXTINGUISHER		MOTOR CONTROL CENTER	NRS	NON RISING STEM VALVE
	ABC DRY CHEMICAL PORTABLE FIRE EXTINGUISHER		MOTOR CONTROL CENTER WITH REMOTE PUSH BUTTON ON-OFF WITH LAMP	PIV	POST INDICATOR VALVE
	CLEAN AGENT PORTABLE FIRE EXTINGUISHER 10 LBS		CURRENT TRANSFORMER	PS	PRESSURE SWITCH
	WET CHEMICAL PORTABLE FIRE EXTINGUISHER (TYPE K)		AMMETER	RN	RISER NIPPLE
			VOLTMETER	TYP	TYPICAL
			SELECTOR SWITCH		
			TO GROUND		
			DIRECT-ON-LINE STARTER MOTOR		
			WYE-DELTA STARTER		

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1. DO NOT SCALE OFF THIS DRAWING. WORK FROM THE INDICATED DIMENSION ONLY. ALL SITE DIMENSIONS TO BE VERIFIED BY CONTRACTOR AND ANY DISCREPANCIES REPORTED BACK TO "ONE CONSENT".
2. MANUFACTURERS MUST SUBMIT SHOP DRAWING AND ALL FINISH SAMPLES PRIOR TO PRODUCTION FOR APPROVAL BY DESIGNER.
3. ALL DIMENSIONS ARE MILLIMETERS UNLESS OTHERWISE NOTED.