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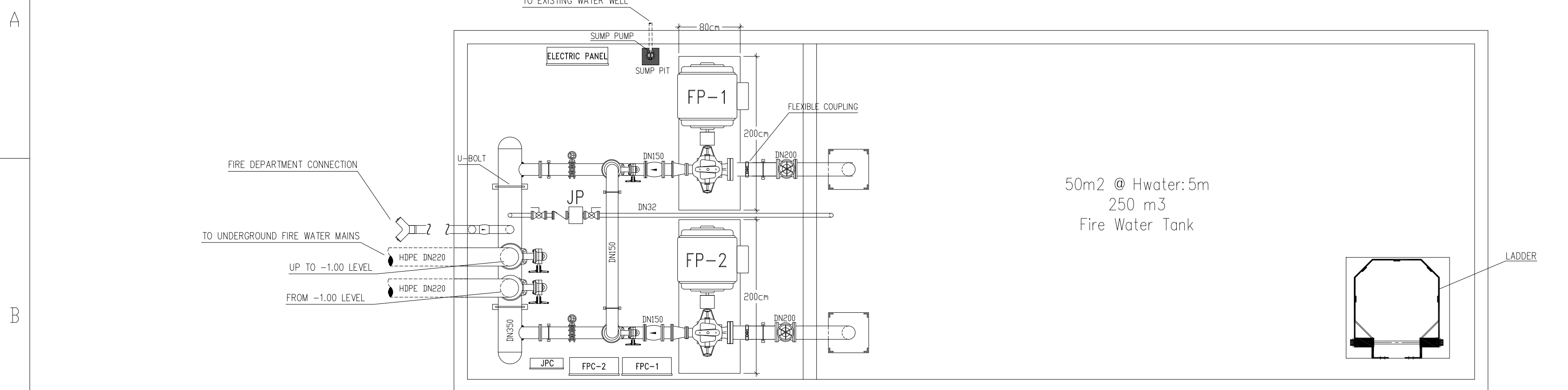
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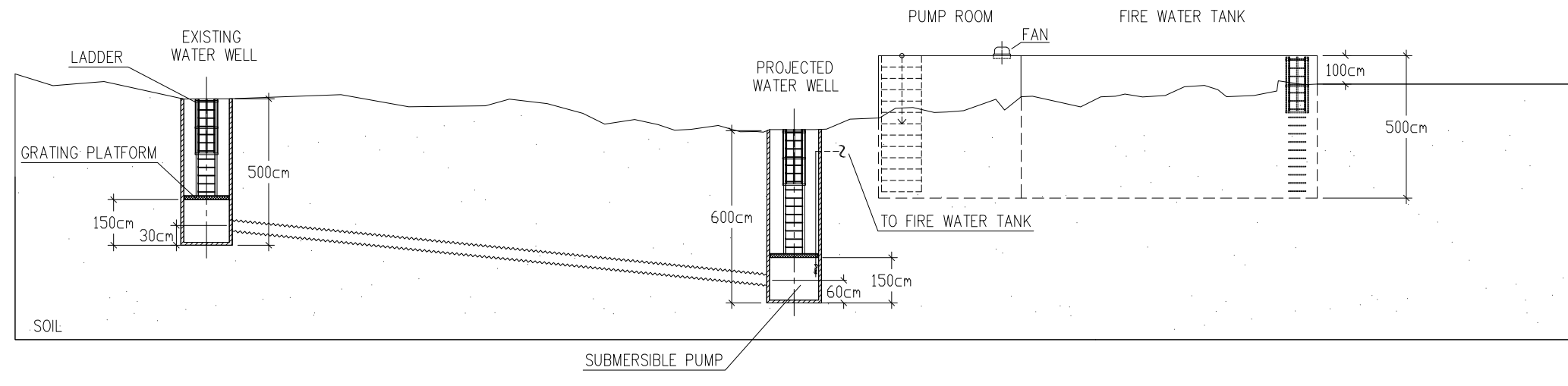
I



FIRE PUMP ROOM PLAN
(ölçek : 1/50 / SCALE : 1/50)

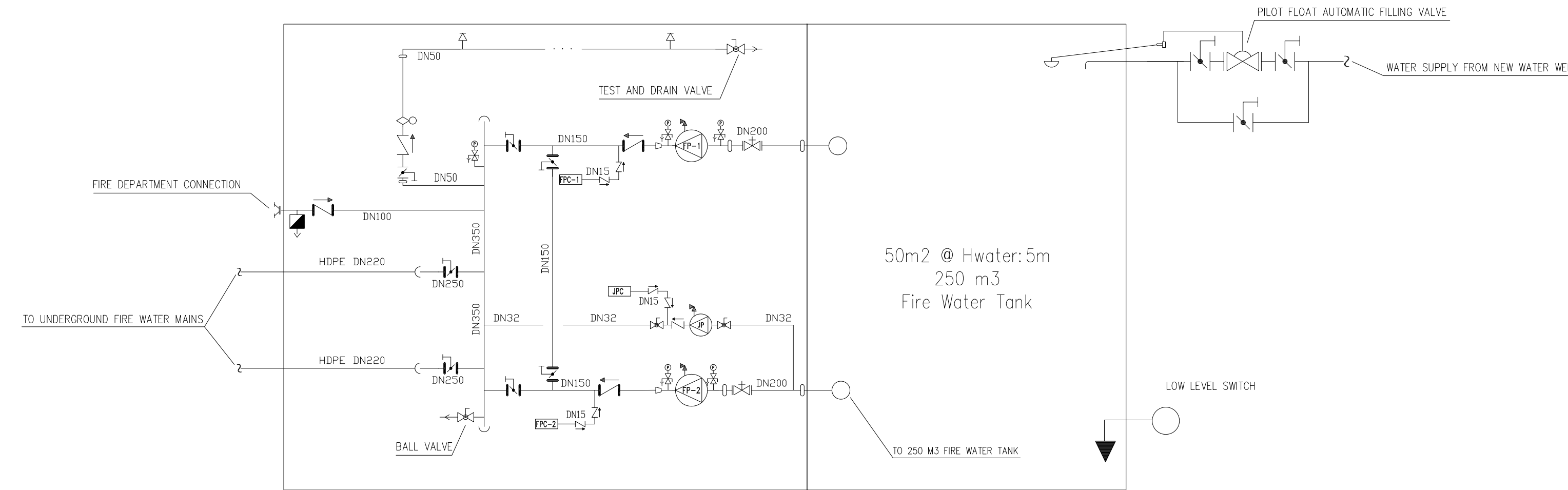
PUMP LIST			
PROPERTIES	FIRE PUMP (FP-1)	FIRE PUMP (FP-2)	JOCKEY PUMP (JP)
PUMP TYPE	New	New	New
PUMP TYPE	Single Stage Horizontal Split-case	Single Stage Horizontal Split-case	Multi-Stage Vertical
RATED CAPACITY (FLOW)	500 GPM	500 GPM	10 GPM
RATED HEAD	120 psi	120 psi	130 psi
DRIVE	Electrical Motor	Electrical Motor	Electrical Motor
ROTATION	Counter Clockwise Direction	Counter Clockwise Direction	--
MOTOR SPECIFICATIONS	--	--	To be determined later
CONTROLLER	--	--	To be determined later
MANUFACTURER / MODEL NO	Peerless	Peerless	To be determined later

Pump controller pressure switch shall be adjusted to have the following operation sequence.
FP-01 starts automatically at 135 psi head. JP starts automatically at 140 psi head.
FP-01 is stopped manually. JP stops automatically at 145 psi head.
FP-02 starts automatically at 125 psi head.
FP-02 is stopped manually.

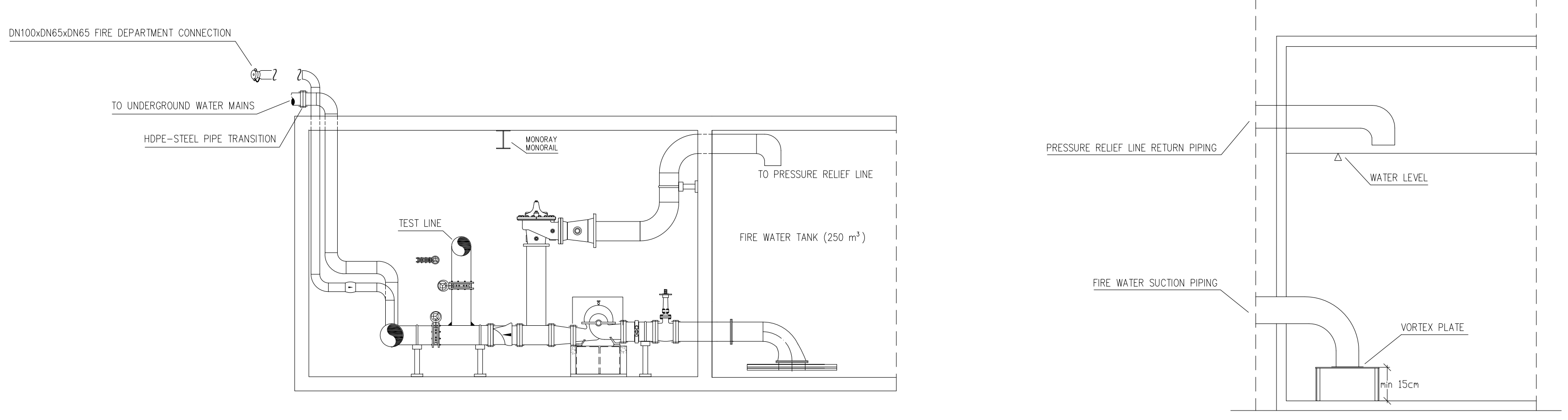


FIRE PUMP ROOM ELEVATION
(ölçek : 1/200 / SCALE : 1/200)

ROOM SPECIFICATIONS	
SPECIFICATION	REQUIRED
DESIGN STANDARD	NFPA 20
SEPARATION WALL RATING	Not Required
AMBIENT TEMPERATURE	+4°C ... +45°C
HEATER TYPE	Oil Convector (Thermostat Controlled)
LIGHTING TYPE	Fluorescent (IP 55)
EMERGENCY LIGHTING ILLUM	min. 10 Lux (Average on floor)
EMERGENCY LIGHTING DURATION	120 Minutes
TELEPHONE	Shall be provided
ELECTRICAL RECEPTACLE	2 Ea. (220VAC, 16 A)
PORTABLE EXTINGUISHER	1 Ea. 6kg CO ₂ , 1 Ea. 9L Foam Ext.

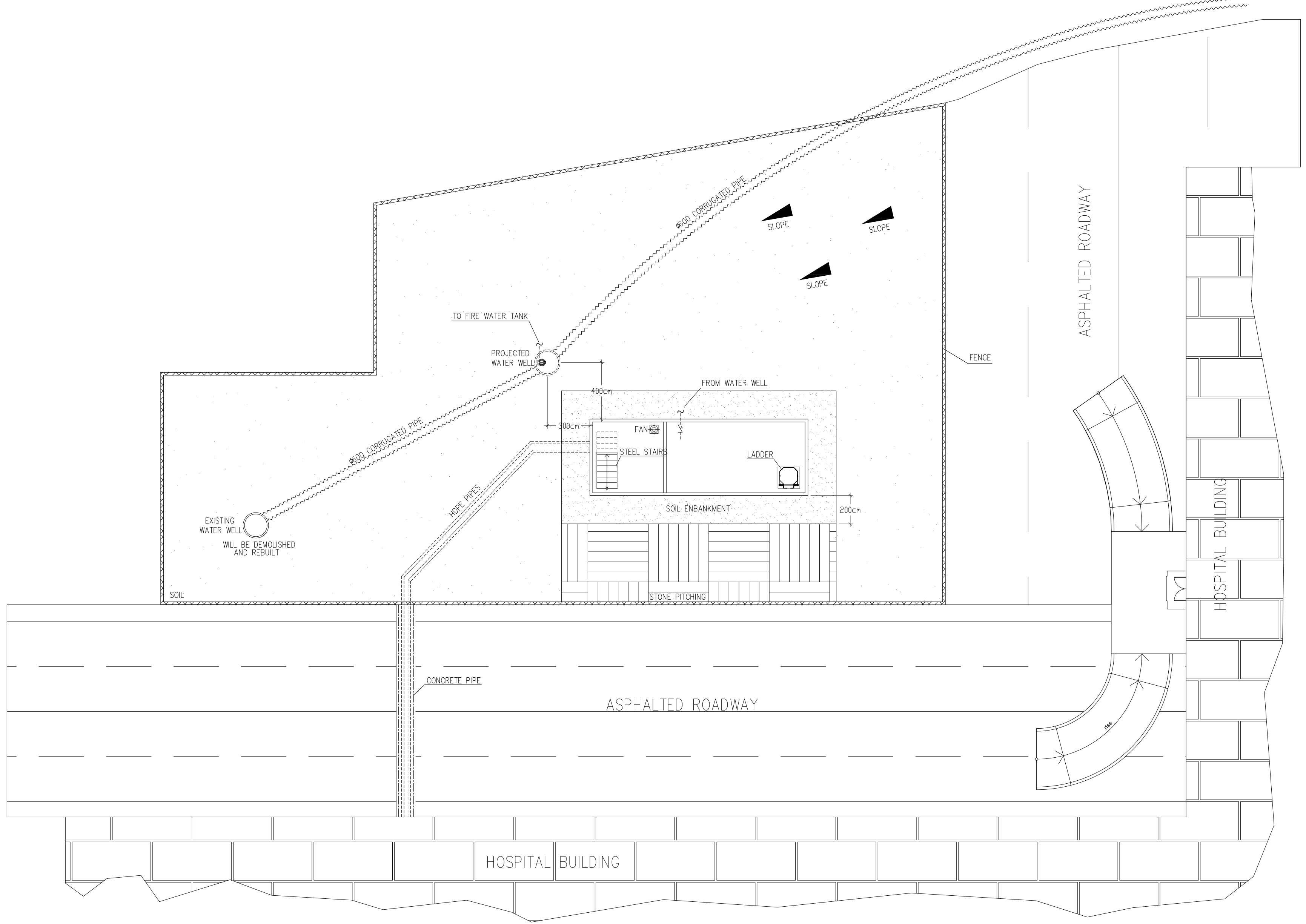


PRESSURIZATION SYSTEM RISER DIAGRAM
(ölçeksiz / N.T.S.)

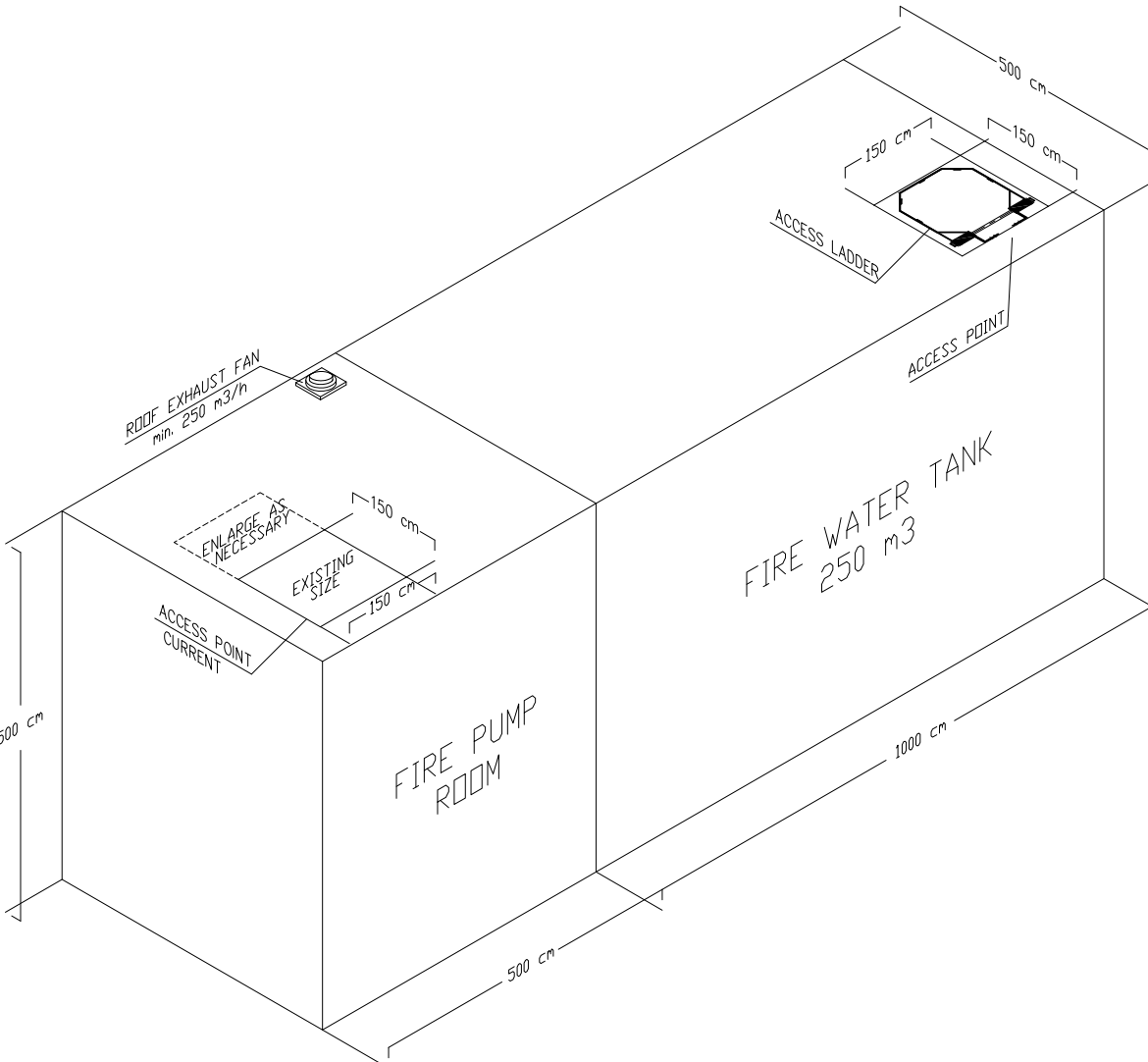


SECTION
(ölçeksiz / N.T.S.)

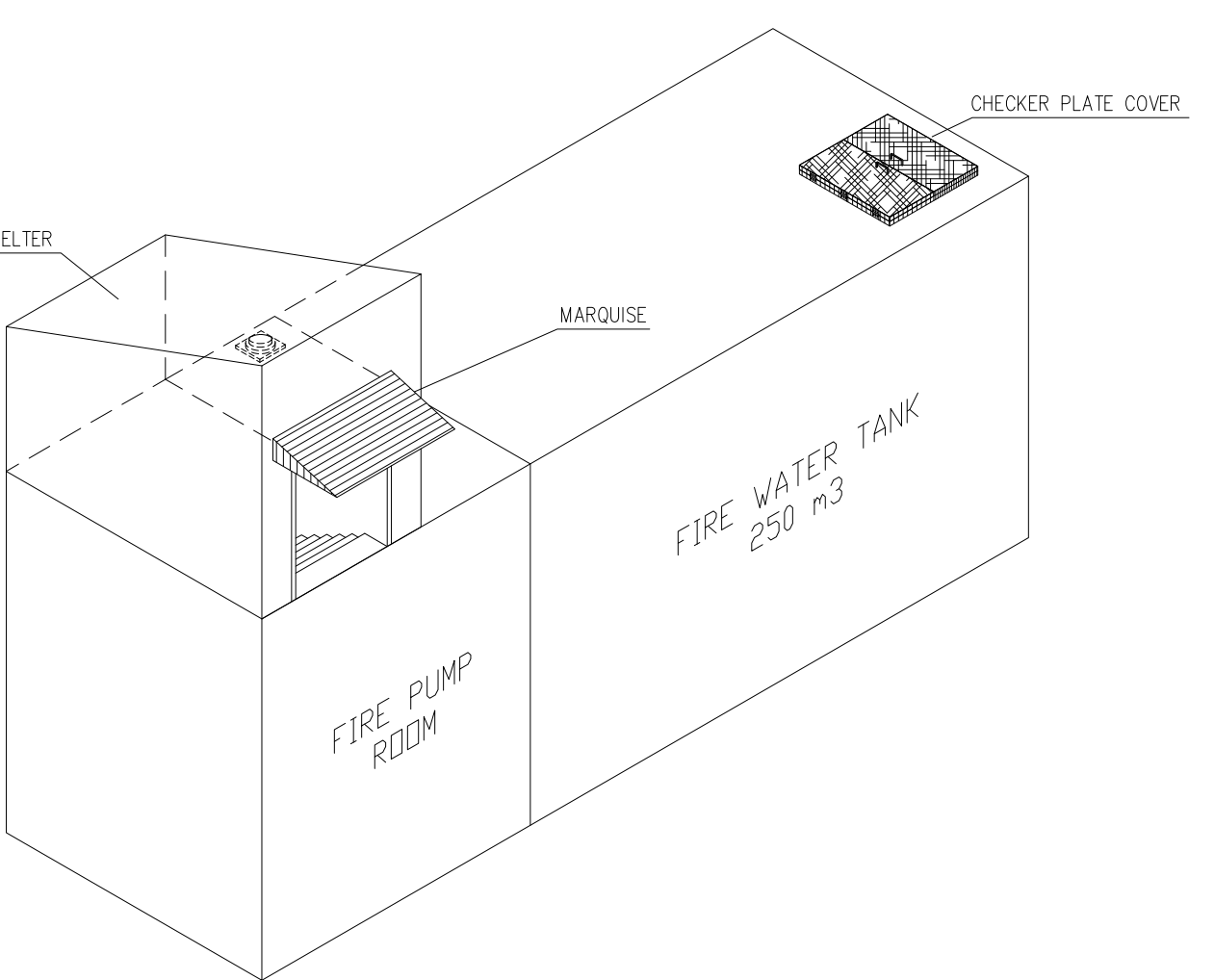
FIRE WATER TANK OUTLET PIPING
(ölçeksiz / N.T.S.)



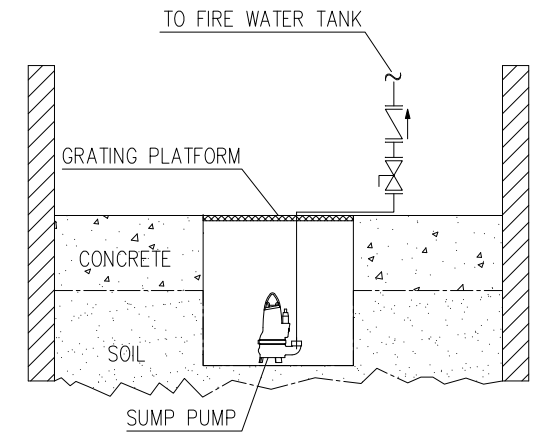
FIRE PUMP ROOM SITE PLAN
(ölçek : 1/200 / SCALE : 1/200)



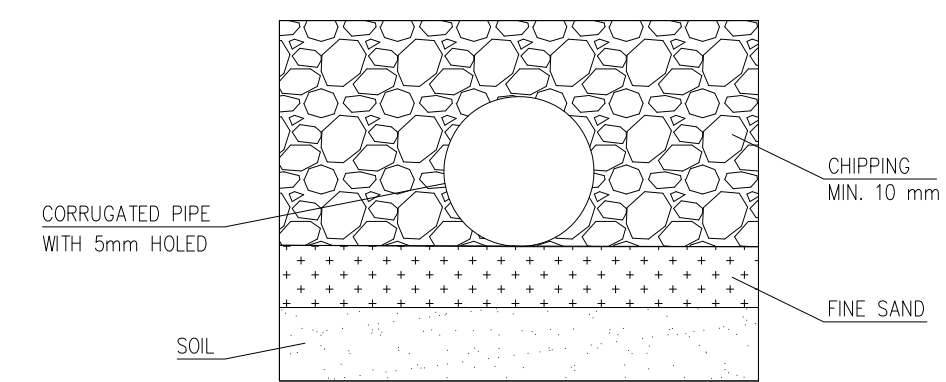
ISOMETRIC VIEW OF FIRE PUMP ROOM
(ölçeksiz / N.T.S.)



ISOMETRIC VIEW OF FIRE PUMP ROOM
(ölçeksiz / N.T.S.)



SUMP PIT DETAIL
(ölçeksiz / N.T.S.)



CORRUGATED PIPE DETAIL
(ölçeksiz / N.T.S.)

NOTES :

- 1- All the pipes and pumps shall be electrically grounded.
- 2- If the size is not explicitly mentioned, pipe size shall be equal to valve size; valve size shall be equal to pipe size.
- 3- Pressure sensing line shall be stainless steel.
- 4- Fuel pipes shall be black steel.
- 5- All aboveground main pipes shall conform to TS EN 10217-1'e, welded black steel. Pipe joining shall be Welded or Flanged.
- 6- OS&Y Gate valves and check valves shall be supported individually.
- 7- Flexible connections shall be furnished at the all inlets and outlets of the fuel tank and the diesel motor. Shut-Off valves shall be used at the inlet line of diesel motor and at the outlet line of the fuel tank.
- 8- The batteries of diesel fire pumps, shall be placed on supportings, fixed minimum 10 cm height from floor, to provide ease of maintenance.
- 9- The interior floor and walls of the fuel tank pools will be of ceramic tiles, durable against fuel leakage.
- 10- Fuel tank and control panels shall be fixed to the floor. Precautions shall be taken against bucking of the raised fuel tank supportings.
- 11- Pitch to the floor drains shall be provided at the pump house floor.
- 12- Dimensions of the pump foundation shall be arranged on site according to actual pump dimensions.

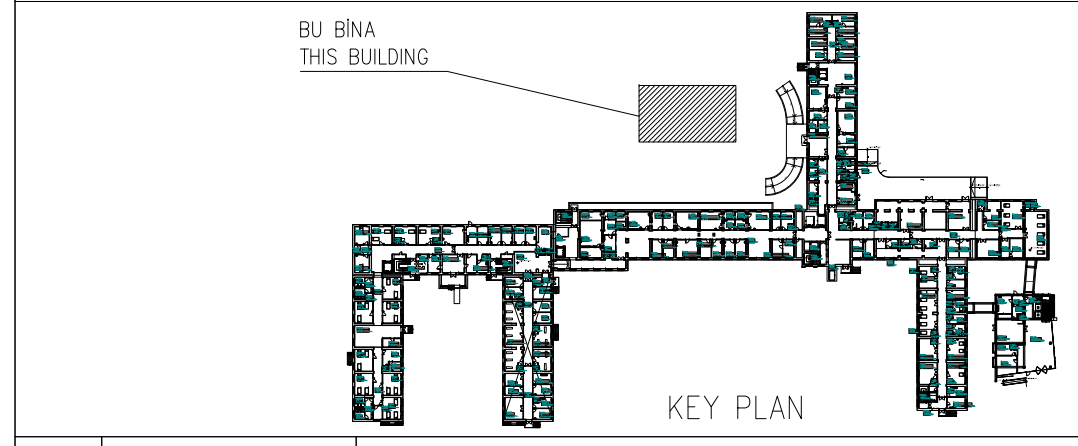
LEGEND AND MATERIAL LIST

SYMBOL SWING	TANIMI / DESCRIPTION	MODEL NO.
	SPRINKLER HEAD (STANDARD, UPRIGHT, 1/2" NPT, K=5.6, BRASS)	•
	FLOW SWITCH (2 EA. SPOT FORM C CONTACT)	•
	TEST AND DRAIN VALVE (1" NPT THREADED CONNECTION, TEST K=5.6, W PRESSURE GAUGE)	•
	OS&Y VALVE (FLANGED, C/W SUPERVISORY SWITCH)	•
	CHECK VALVE (SWING TYPE)	•
	BUTTERFLY VALVE (W POSITION INDICATOR, W SUPERVISORY SWITCH)	•
	BALL VALVE (FN 16, THREADED CONNECTED)	•
	GROOVED COUPLING (FLEXIBLE)	•
	PRESSURE RELIEF VALVE (C/W WASTE CONE)	•
	PRESSURE GAUGE	•
	FIRE PUMP	•
	JOCKEY PUMP	•
	FIRE PUMP CONTROLLER	•
	JOCKEY PUMP CONTROLLER	•
	CONCENTRIC INCREASER	•
	AIR RELIEF VALVE	•
	FIRE DEPARTMENT CONNECTION (DN100 INLET, 240MM STORE OUTLET, ROUGH BRASS, C/W CAPSACHAN)	•
	AUTOMATIC DRIP VALVE	•
	FLOW METER (0-5000 GPM, VENTURI OR ANNULAR)	•
	PIPE HANGER (GALV. STEEL, WITH M10 SCREWED EXTENSION ROD)	•
	ABOVEGROUND STEEL PIPE (WELDED BLACK STEEL, CONFORMING TO TS EN 10217-1)	•
	UNDERGROUND FIRE WATER PIPING (HDPE, PE100, PN16)	•
	CONCRETE THRUST BLOCK	-
	NEW UNDERGROUND FIRE WATER PIPING (HDPE, PE100) - C/W SLEEVE (CONCRETE PIPE)	-
	PIPE RISE OR DROP	-
	VORTEX PLATE	-

• TO BE SUBMITTED BY THE CONTRACTOR - NOT APPLICABLE

PSLK TUTUCU
STRAINER

- FOR SYSTEM APPROVAL
- FOR TENDER
- FOR INSTALLATION
- AS BUILT



OO	05.11.2020	For System Approval
Date		Explanation

CLIENT

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EVEX GEORGIA HEALTHCARE GROUP

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TECH. CONSULTANCY : KARINA	SUNSTONE HOSPITAL FIRE & LIFE SAFETY FIRE PUMP ROOM PLAN, SECTION PLAN AND DETAIL DRAWINGS	
SYSTEM DESIGN : KARINA		
MATERIAL SUPPLY : --		
INSTALLATION : --		
APPROVAL : --	DRAWING NO : EVEX-SNST-KAR-MECH-601	REV. 00
DATE : 05.11.2020		• / •
SCALE : 1/100	FILE NAME : C:\...\EVEX-SNST-KAR-MECH-601	

ORIGINAL DRAWING SIZE : A0