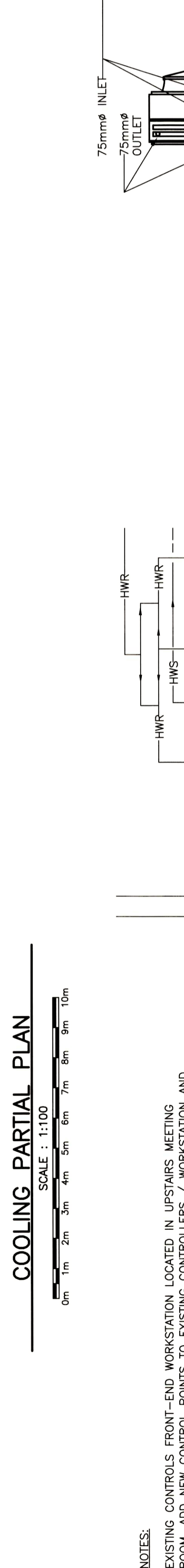
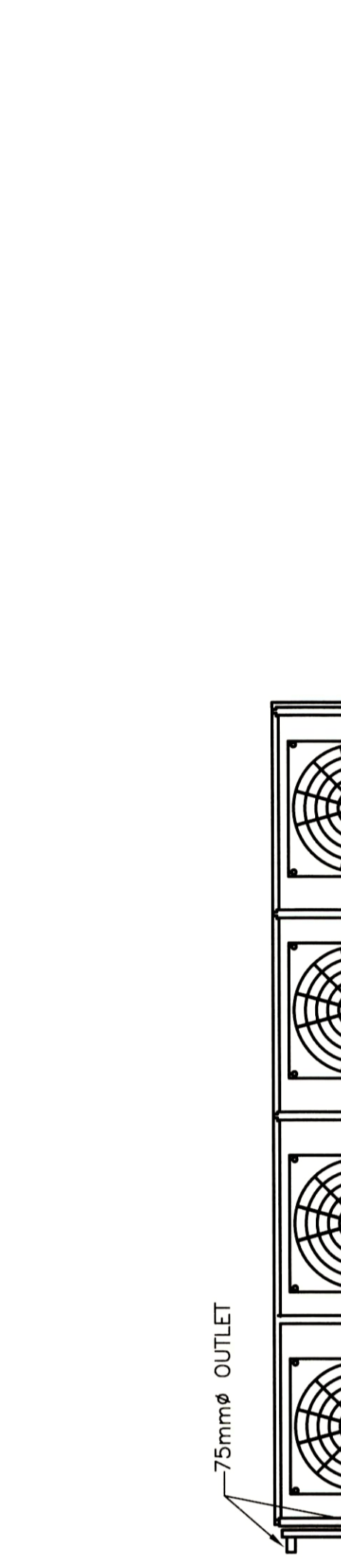
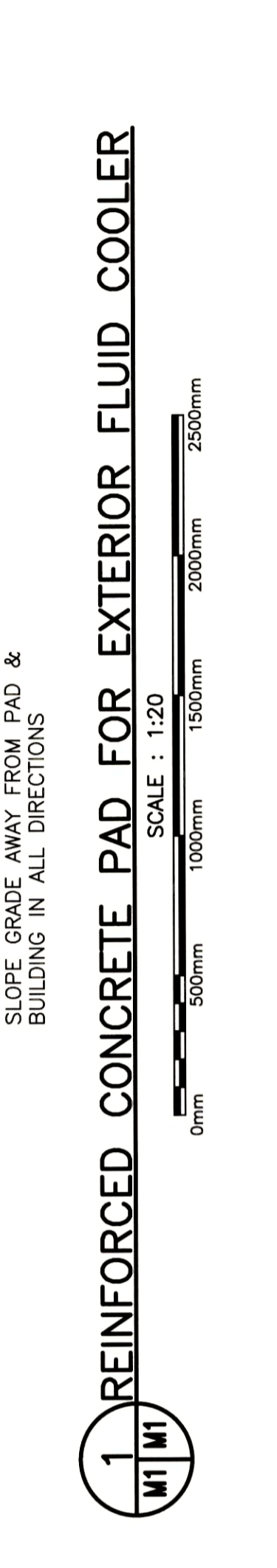
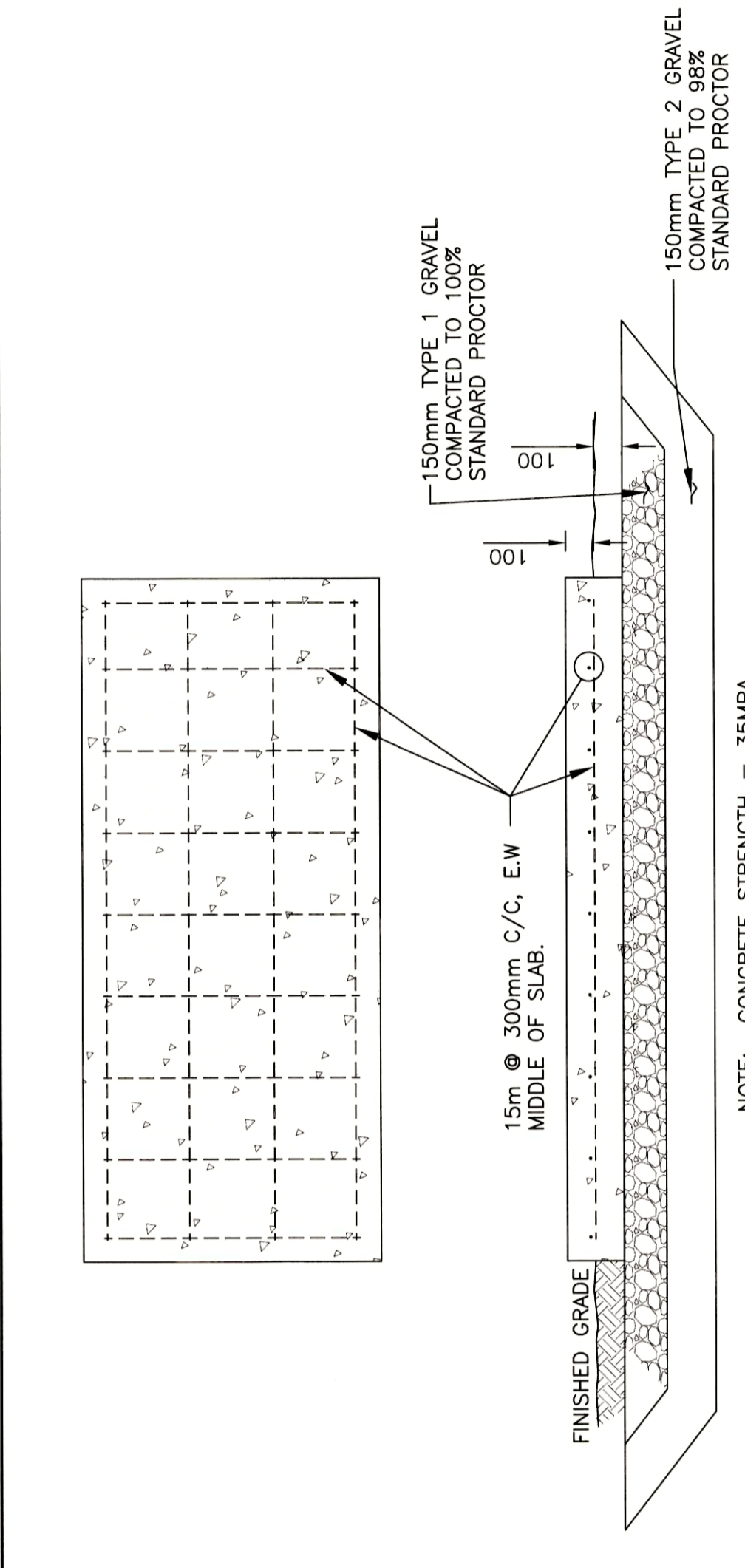
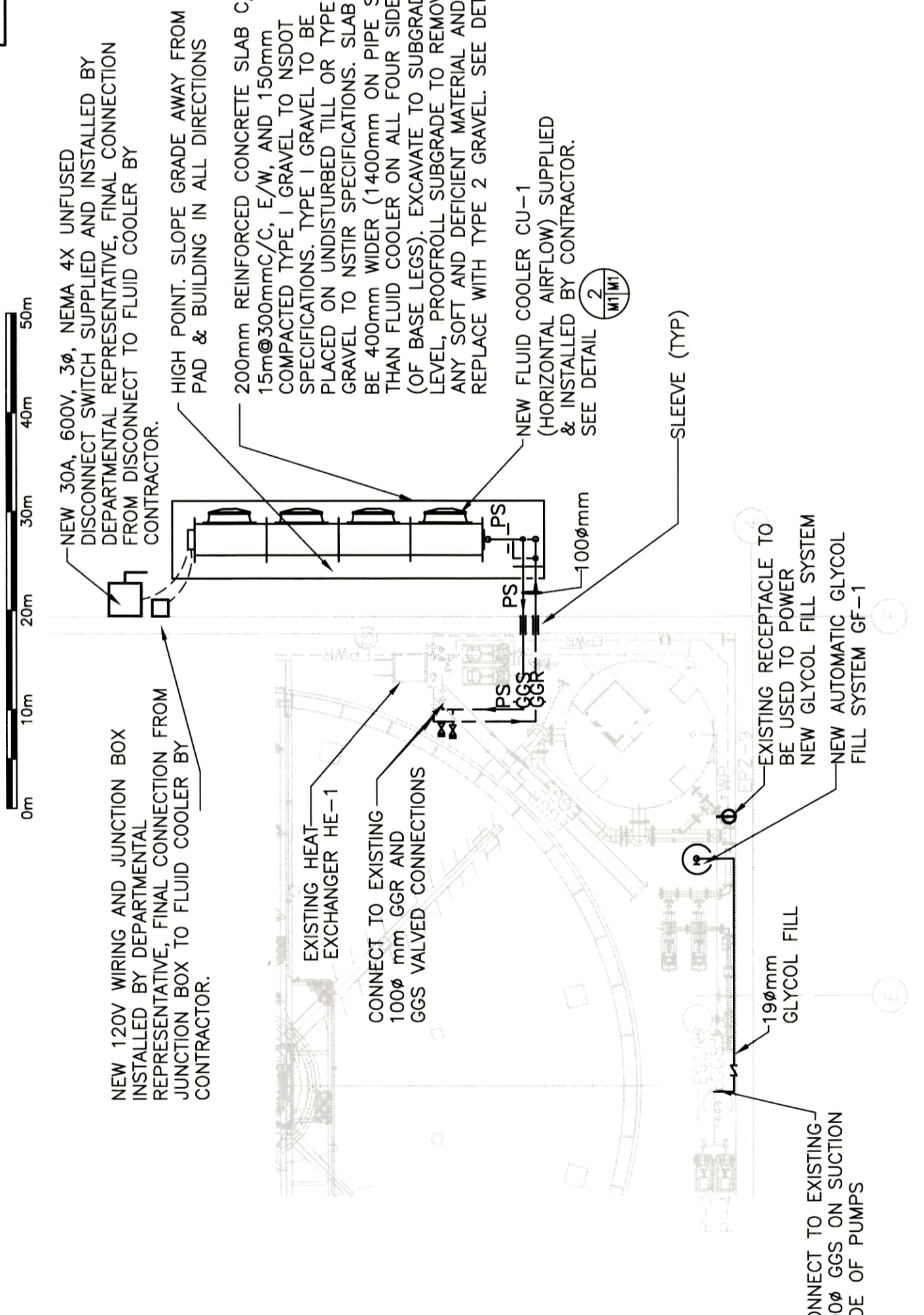
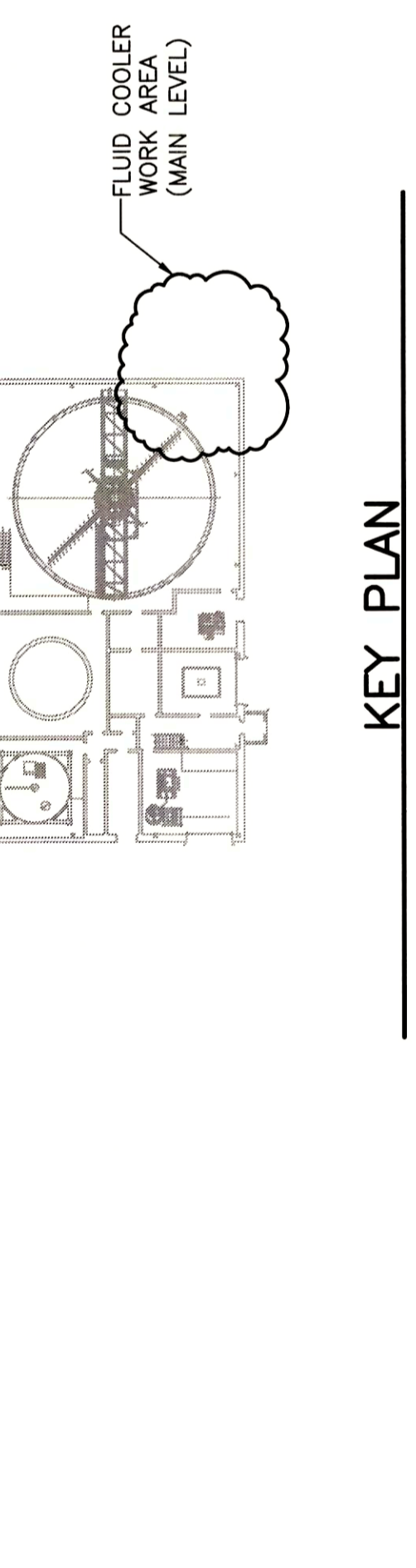


- LEGEND:**
- EPWS — EXISTING PROCESS WATER SUPPLY
 - EPWR — EXISTING PROCESS WATER RETURN
 - EGGS — EXISTING GEOTHERMAL WATER SUPPLY
 - GGS — NEW GEOTHERMAL WATER SUPPLY
 - EGGR — EXISTING GEOTHERMAL WATER RETURN
 - GGR — NEW GEOTHERMAL WATER RETURN
 - EXISTING CHECK VALVE
 - NEW CHECK VALVE
 - EXISTING ISOLATION VALVE
 - NEW ISOLATION VALVE
 - EXISTING DRAIN VALVE
 - NEW DRAIN VALVE
 - EXISTING PRESSURE GAUGE
 - NEW PRESSURE GAUGE WITH ISOLATION VALVE
 - EXISTING TEMPERATURE GAUGE
 - NEW TEMPERATURE GAUGE
 - EXISTING TEMPERATURE SENSOR
 - NEW TEMPERATURE SENSOR
 - NEW FLOW METER
 - NEW 30A, 600V, 3P, NEMA 4X UNFUSED DISCONNECT SWITCH
 - NEW ELECTRICAL CONNECTION
 - NEW MOTOR STARTER
 - NEW PIPE SUPPORT
 - NEW AUTOMATIC AIR VALVE WITH ISOLATION VALVE
 - NEW FLEX CONNECTION

- NOTES:**
- NEW 600V POWER TO NEW FLUID COOLER CU-1 FROM PANEL PB. (POWER CONNECTION TO INCLUDE 30A, 600V, NEMA 4X, NON FUSED DISCONNECT SWITCH MOUNTED NEXT TO OUTDOOR FLUID COOLER) SUPPLIED AND INSTALLED BY DEPARTMENTAL REPRESENTATIVE. CONTRACTOR TO MAKE FINAL CONNECTION FROM DISCONNECT TO FLUID COOLER.
 - NEW 120V POWER TO JUNCTION BOX (OUTSIDE) FROM PANEL PA. SUPPLIED AND INSTALLED BY DEPARTMENTAL REPRESENTATIVE. CONTRACTOR TO MAKE FINAL CONNECTIONS FROM JUNCTION BOX (OUTSIDE) TO FLUID COOLER.
 - USE EXISTING CABLE TRAYS FROM ELECTRICAL ROOM TO CU-1 WHERE REQUIRED TO PROVIDE POWER AND LOW VOLTAGE CONTROL CABLE TRAYS TO BE 4" TECH 80 MINIMUM. PROVIDE BARRIERS WHERE POWER CABLES ARE IN THE SAME CABLE TRAY WITH 120V CONTROL CABLES, INSTRUMENTATION AND COMMUNICATION CABLES.



FLUID COOLER SCHEDULE

TAG	SERVICE	LOCATION	MFG.	MODEL	FLUID		ELECT. SUPPLY	MCA	MOCP	EWT	LWT	TOTAL COOLING kW (MBH)	COIL WPD kPa (FT)	# CIRCUITS/ CONNECTION	DIMENSIONS LxWxH mm (IN)	# FANS	FAN ARRGT	REMARKS		
					FLUID	P.G.													VOLTS	PHASE
CU-1	BLOC COOLING	OUTSIDE	-	-	35% P.G.	575	3	60	2.0	16.5	20	41.6 (106.9)	36.1 (97.0)	266.2 (998.4)	21.37 (7.15)	2 / 75 (3)	6033x940x2515 (237.5x37x99)	8	2x4	HORIZONTAL AIR FLOW (30.6°C (87°F) ENTERING DRY BULB), 12.4 LPS (196.5 USGPM), C/W CONTROL PANEL (VPC-P57-24-B-X-AE); ELECTRONIC AQUASTATS, FIRST STAGE CYCLING TWIN SPEED ZONE-ABEG; OCCURRING CONDUIT, CONDUIT, CONDUIT, CONDUIT (POLL), MOTOR FUSING, UNIT FUSED, DISCONNECT, AUXILIARY, CONTACT, BLOC/BLD FIN COATING.

NOTES:

- EXISTING CONTROLS FRONT END WORKSTATION LOCATED IN UPSTAIRS MEETING ROOM. CONTRACTOR TO VERIFY EXISTING CONTROLS WORKSTATION AND UPDATE EXISTING DATABASE. NEW SITE TO INCLUDE UPDATED GRAPHICS, SCHEDULES, ALARMS, SEQUENCES, ETC.

FLUID COOLER SCHEDULE

TAG	SERVICE	LOCATION	MFG.	MODEL	FLUID	FLUID P.G.	VOLTS	PHASE	HZ	FLA	MCA	MOCP	EWT	LWT	TOTAL COOLING kW (MBH)	COIL WPD kPa (FT)	# CIRCUITS/ CONNECTION	DIMENSIONS LxWxH mm (IN)	# FANS	FAN ARRGT	REMARKS
CU-1	BLOC COOLING	OUTSIDE	-	-	35% P.G.	575	3	60	2.0	16.5	20	41.6 (106.9)	36.1 (97.0)	266.2 (998.4)	21.37 (7.15)	2 / 75 (3)	6033x940x2515 (237.5x37x99)	8	2x4	HORIZONTAL AIR FLOW (30.6°C (87°F) ENTERING DRY BULB), 12.4 LPS (196.5 USGPM), C/W CONTROL PANEL (VPC-P57-24-B-X-AE); ELECTRONIC AQUASTATS, FIRST STAGE CYCLING TWIN SPEED ZONE-ABEG; OCCURRING CONDUIT, CONDUIT, CONDUIT, CONDUIT (POLL), MOTOR FUSING, UNIT FUSED, DISCONNECT, AUXILIARY, CONTACT, BLOC/BLD FIN COATING.	

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