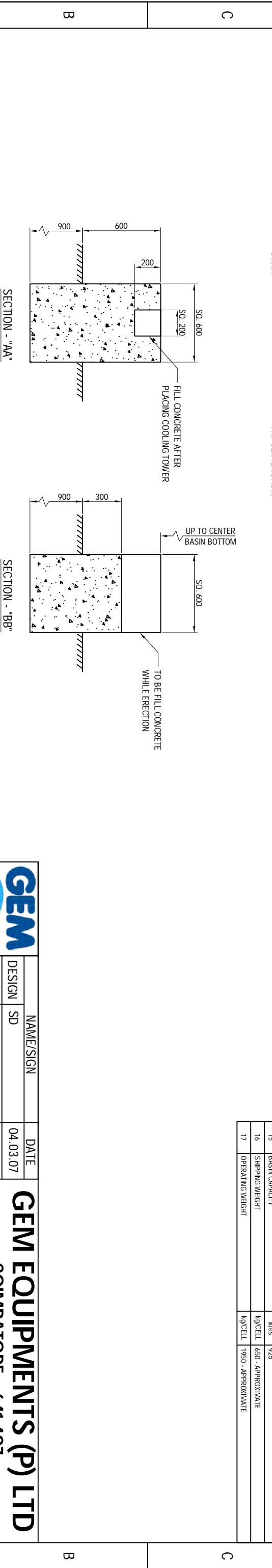
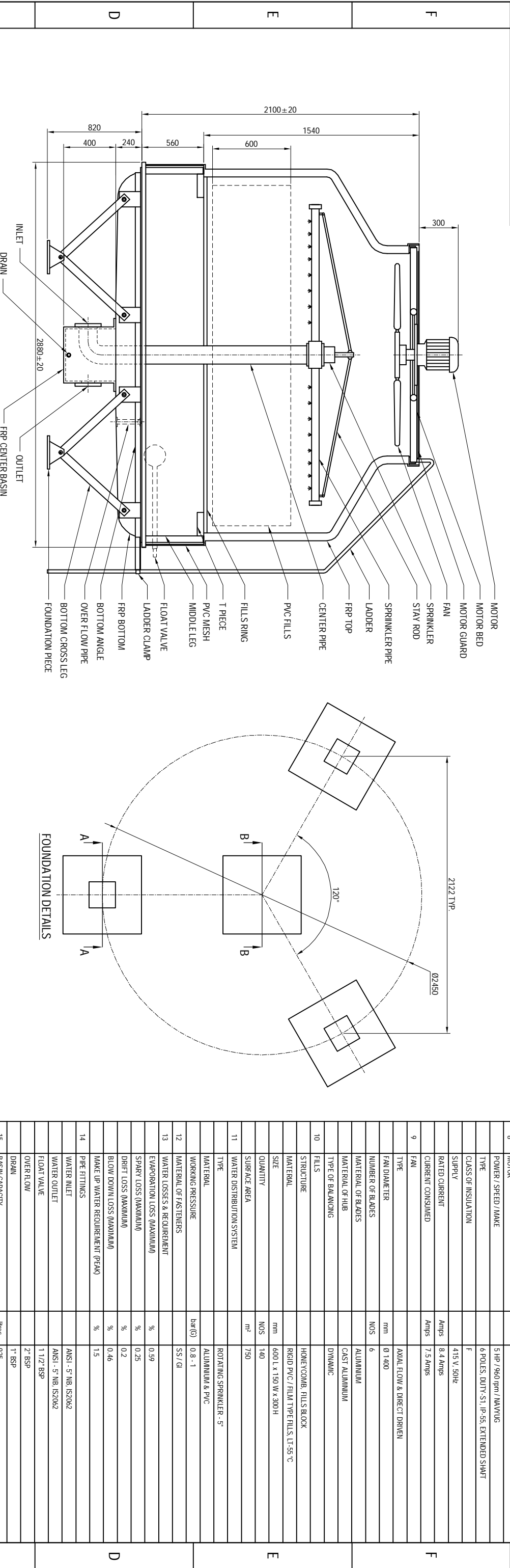


1		2	3	4	5	6	7
TOLERANCE ON LINEAR DIMENSIONS, IF NOT SPECIFIED							
DIM. RANGE	ALLOWABLE LIMITS						
OVER 0.5 TO 6	±0.1						
OVER 6 TO 30	±0.2						
OVER 30 TO 120	±0.3						
OVER 120 TO 315	±0.5						
OVER 315 TO 1000	±0.8						
OVER 1000 TO 2000	±1.2						
OVER 2000 TO 4000	±2						
> 4000	±3						



TECHNICAL SPECIFICATION - GCT 125L			PARAMETERS	
SL. NO.	DESCRIPTION	UOM		
1	TYPE OF COOLING TOWER		INDUCED DRAFT / COUNTER FLOW, EVAPORATIVE TYPE	
2	COOLING CAPACITY	TR	125	
3	OVERALL TOWER DIMENSIONS	mm	Ø 2880 x 3220 H	
4	AIR INLET SIZE	mm	Ø 2750 x 480 H	
5	MATERIAL OF TOWER STRUCTURE		FRP & HOT DIP GALVANIZED MS	
6	MATERIAL OF TOWER		FRP	
7	MATERIAL OF PIPING		FRP & PVC	
8	MOTOR		5 HP / 960 rpm / 1/4WUG	
	POWER / SPEED / MAKE		6 POLES, DUTY -S1, IP-55, EXTENDED SHAFT	
	TYPE		F	
	CLASS OF INSULATION		415 V, 50Hz	
	SUPPLY		Amps	
	RATED CURRENT	Amps	8.4 Amps	
	CURRENT CONSUMED	Amps	7.5 Amps	
9	FAN			
	TYPE		AXIAL FLOW & DIRECT DRIVEN	
	FAN DIAMETER	mm	Ø 1400	
	NUMBER OF BLADES	NOS	6	
	MATERIAL OF BLADES		ALUMINIUM	
	MATERIAL OF HUB		CAST ALUMINIUM	
	TYPE OF BALANCING		DYNAMIC	
10	FILLS			
	STRUCTURE		HONEYCOMB, FILLS BLOCK	
	MATERIAL		RIGID PVC / FILM TYPE FILLS, LT-55 °C	
	SIZE	mm	600 L x 150 W x 300 H	
	QUANTITY	NOS	140	
	SURFACE AREA	m²	750	
11	WATER DISTRIBUTION SYSTEM			
	TYPE		ROTATING SPRINKLER - 5"	
	MATERIAL		ALUMINIUM & PVC	
	WORKING PRESSURE	bar (G)	0.8 - 1	
12	MATERIAL OF FASTENERS		SS / GI	
13	WATER LOSSES & REQUIREMENT			
	EVAPORATION LOSS (MAXIMUM)	%	0.59	
	SPRAY LOSS (MAXIMUM)	%	0.25	
	DRIFT LOSS (MAXIMUM)	%	0.2	
	BLOW DOWN LOSS (MAXIMUM)	%	0.46	
	MAKE UP WATER REQUIREMENT (PEAK)	%	1.5	
14	PIPE FITTINGS			
	WATER INLET		ANSI - 5" NB, IS2062	
	WATER OUTLET		ANSI - 5" NB, IS2062	
	FLOAT VALVE		1 1/2" BSP	
	OVER FLOW		2" BSP	
	DRAIN		1" BSP	
15	BASIN CAPACITY	litres	925	
16	SHIPPING WEIGHT	kg/CELL	650 - APPROXIMATE	
17	OPERATING WEIGHT	kg/CELL	1950 - APPROXIMATE	

GEM		NAME/SIGN	DATE	TITLE	
	DESIGN	SD	04.03.07	GEM EQUIPMENTS (P) LTD COIMBATORE - 641 407	
	DRAWN	MANI	08.08.16		
	CHKD.				
MACHINED SURFACE AS PER IS:2102(Med)		APPD.		DRAWING No. 1784	
PROPERTY MATERIAL				GA & FOUNDATION DRAWING GCT 125L	

THE INFORMATION AND IDEAS DISCLOSED IN THIS DRAWING IS THE EXCLUSIVE PROPERTY OF GEM EQUIPMENTS AND MAY NOT BE REPRODUCED USED OR DISCLOSED WITHOUT THE WRITTEN PERMISSION OF GEM EQUIPMENTS.				A3/ALL DIMENSIONS ARE IN mm		SCALE NTS	SHEET 1 OF 1
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F/DSN/002/REV-1	1	2	3	4	5	6	7
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REV. NO	DATE	REVISION DETAILS		ALT. BY	CHKD. BY	APPD. BY	AREA	DCR. NO.

NOTE:
1. RCC CONCRETE & FOUNDATION BOLTS ARE UNDER CUSTOMER SCOPE.
2. FOUNDATION BOLT - M12x150mm, 6NOS.