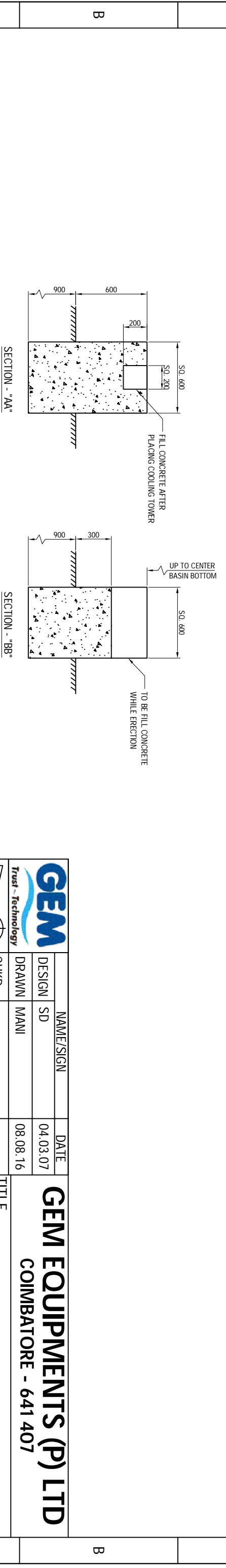
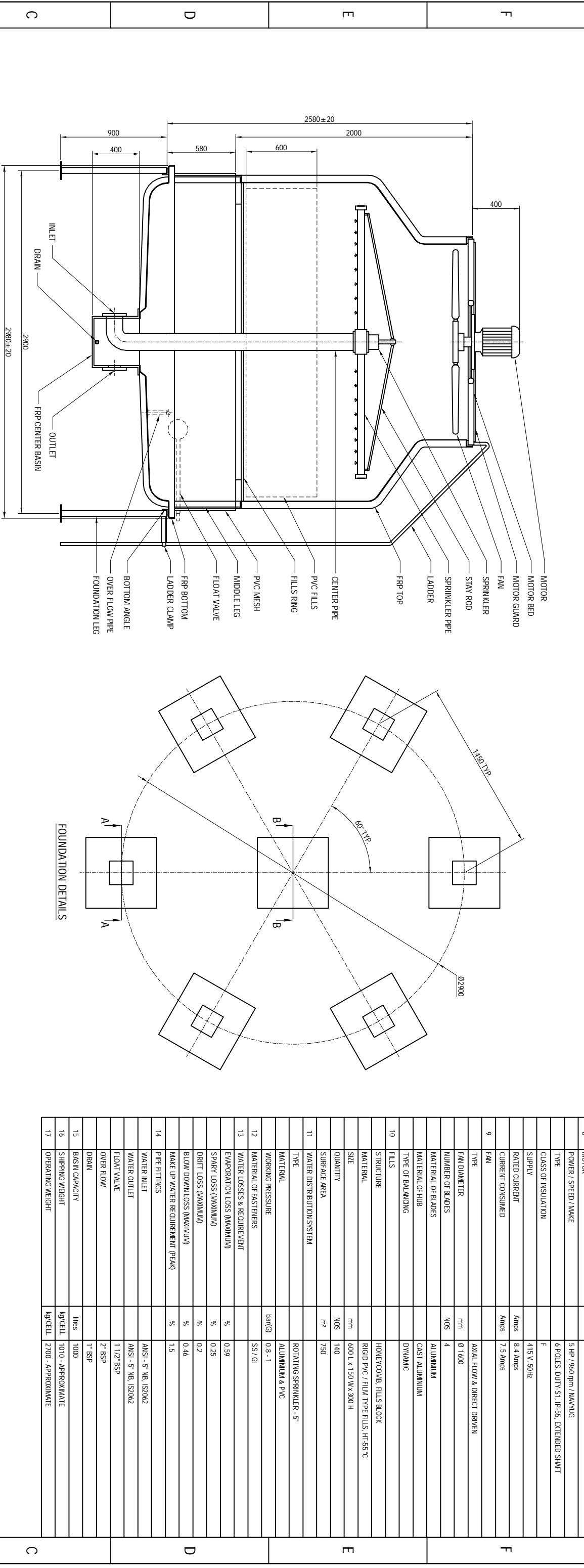


1		2	3	4	5	6	7
TOLERANCE ON LINEAR DIMENSIONS, IF NOT SPECIFIED							
DIM RANGE	ALLOWABLE LIMITS						
OVER 0.5 TO 6	±0.1						
OVER 6 TO 30	±0.2						
OVER 30 TO 120	±0.3						
OVER 120 TO 315	±0.5						
OVER 315 TO 1000	±0.8						
OVER 1000 TO 2000	±1.2						
OVER 2000 TO 4000	±2						
> 4000	±3						



TECHNICAL SPECIFICATION - GCT 150H				
S/L NO.	DESCRIPTION	UOM	PARAMETERS	
1	TYPE OF COOLING TOWER		INDUCED DRAFT, COUNTER FLOW, EVAPORATIVE TYPE	
2	COOLING CAPACITY	TR	150	
3	OVERALL TOWER DIMENSIONS	mm	Ø 2900 x 3880 H	
4	AIR INLET SIZE	mm	Ø 2800 x 550 H	
5	MATERIAL OF TOWER STRUCTURE		FRP & HOT DIP GALVANIZED MS	
6	MATERIAL OF LOUVER		FRP	
7	MATERIAL OF PIPING		FRP & PVC	
8	MOTOR		5 HP / 960 rpm / NAVUG	
	POWER / SPEED / MAKE		6 POLES, DUTY-S1, IP-55, EXTENDED SHAFT	
	TYPE		F	
	CLASS OF INSULATION		F	
	SUPPLY		415 V, 50Hz	
	RATED CURRENT	Amps	8.4 Amps	
	CURRENT CONSUMED	Amps	7.5 Amps	
9	FAU			
	TYPE		AXIAL FLOW & DIRECT DRIVEN	
	FAU DIAMETER	mm	Ø 1600	
	NUMBER OF BLADES	NOS	4	
	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, HT-55 °C	
	SIZE	mm	600 L X 150 WX 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			
	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	1000	
16	SHIPPING WEIGHT	kg/CELL	1010 - APPROXIMATE	
17	OPERATING WEIGHT	kg/CELL	2700 - APPROXIMATE	

		NAME/SIGN	DATE	GEM EQUIPMENTS (P) LTD COIMBATORE - 641 407	
		DESIGN SD	04.03.07		
		DRAWN MANI	08.08.16	TITLE GA & FOUNDATION DRAWING GCT 150H	
		CHKD.			
		APPD.		DRAWING No. 1787	

MACHINED SURFACE AS PER IS:2102(Med)			DRAWING No.		REV
PROPERTY MATERIAL			1787		0
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

F/DSN/002/REV-1	1	2	3	4	5	6	7
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