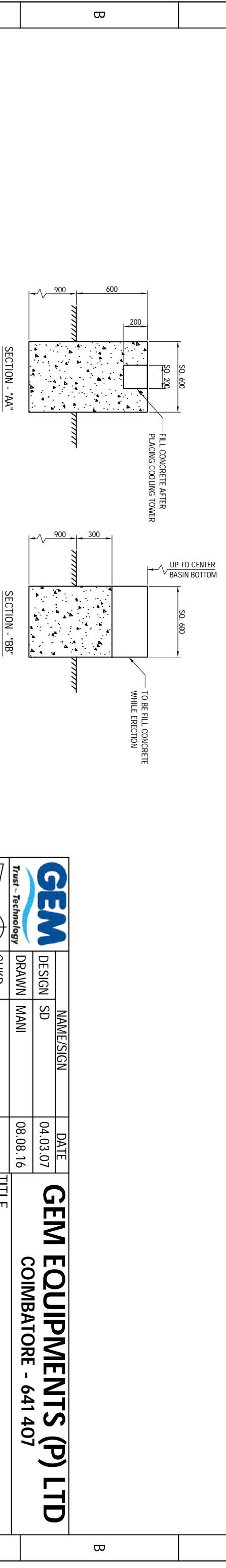
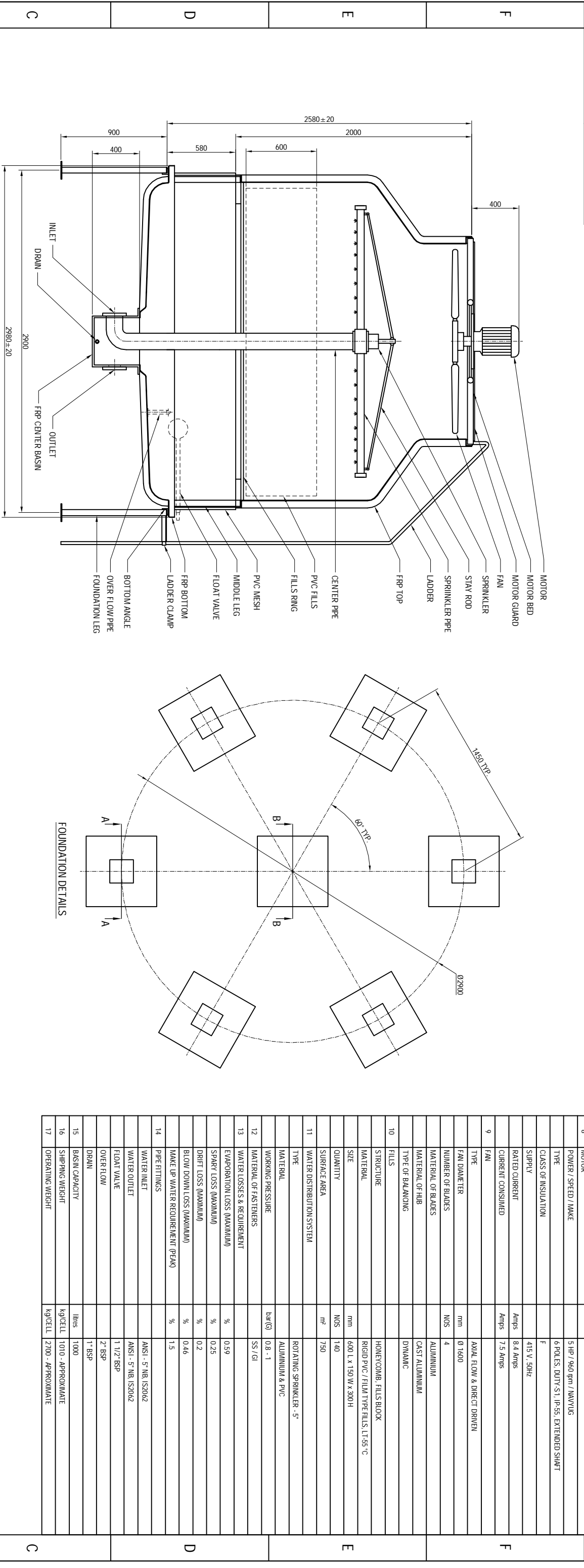


1			2			3			4			5			6			/														
TOLERANCE ON LINEAR DIMENSIONS, IF NOT SPECIFIED															b									/								
DIM. RANGE						ALLOWABLE LIMITS																										
OVER 0.5 TO 6						± 0.1																										
OVER 6 TO 30						± 0.2																										
OVER 30 TO 120						± 0.3																										
OVER 120 TO 315						± 0.5						G																				
OVER 315 TO 1000						± 0.8																										
OVER 1000 TO 2000						± 1.2																										
OVER 2000 TO 4000						± 2																										
> 4000						± 3																										
TECHNICAL SPECIFICATION - GCT 150L																																
SL. NO.		DESCRIPTION		UOM		PARAMETERS																										
1		TYPE OF COOLING TOWER				INDUCED DRAFT, COUNTERFLOW, EVAPORATIVE TYPE																										
2		COOLING CAPACITY		TR		150																										
3		OVERALL TOWER DIMENSIONS		mm		Ø 2980 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																														



6			7		
TECHNICAL SPECIFICATION - GCT 150L					
S/L NO.	DESCRIPTION	UNIT	PARAMETERS		
1	TYPE OF COOLING TOWER		INDUCED DRAFT, COUNTER FLOW, EVAPORATIVE TYPE		
2	COOLING CAPACITY	TR	150		
3	OVERALL TOWER DIMENSIONS	mm	Ø 2980 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				
	POWER / SPEED / MAKE		5 HP / 960 rpm / NAVYUG		
	TYPE		6 POLES, DUTY-S1, IP-55, EXTENDED SHAFT		
	CLASS OF INSULATION		F		
	SUPPLY		415 V, 50Hz		
	RATED CURRENT	Amps	8.4 Amps		
	CURRENT CONSUMED	Amps	7.5 Amps		
9	FAN				
	TYPE		AXIAL FLOW & DIRECT DRIVEN		
	FAN 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, 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				
	WATER LOSSES & REQUIREMENT	SS / GI			
13	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		

GEM <i>Trust ~ Technology</i>		NAME/SIGN	DATE
DESIGN	SD		04.03.07
DRAWN	MANI		08.08.16
CHKD.			
APPD.			
MACHINED SURFACE AS PER IS:2102(Med)		TITLE	
DRAWING No.		GA & FOUNDATION DRAWING GCT 150L	

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A3/ALL DIMENSIONS ARE IN mm		1786		0	
SCALE NTS		SHEET 1 OF 1		A	

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