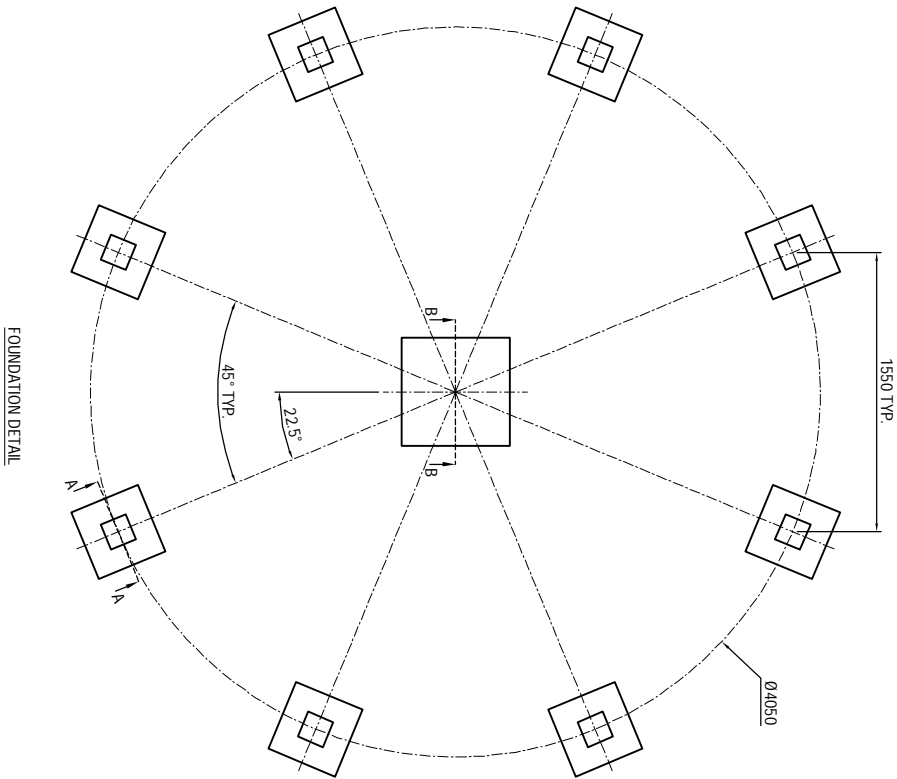
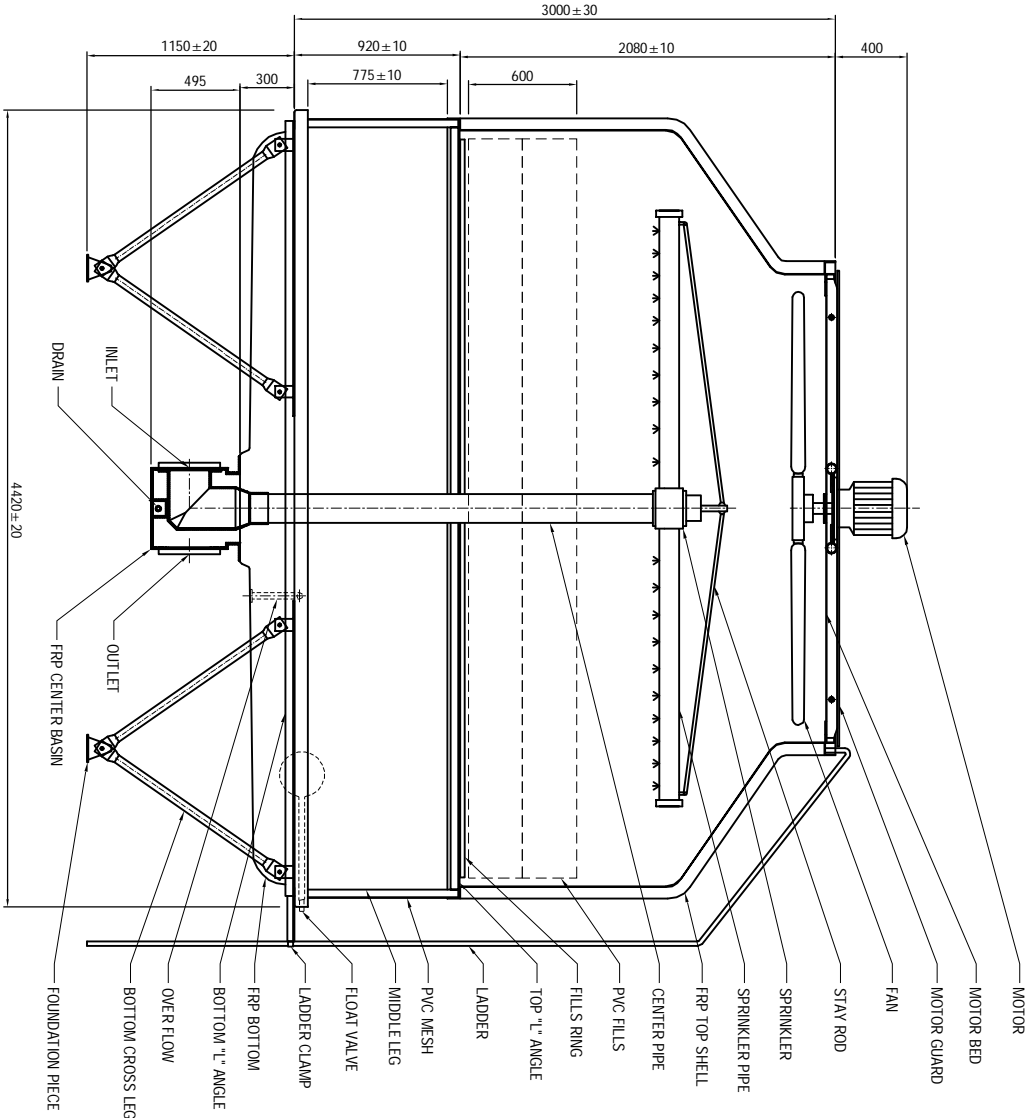
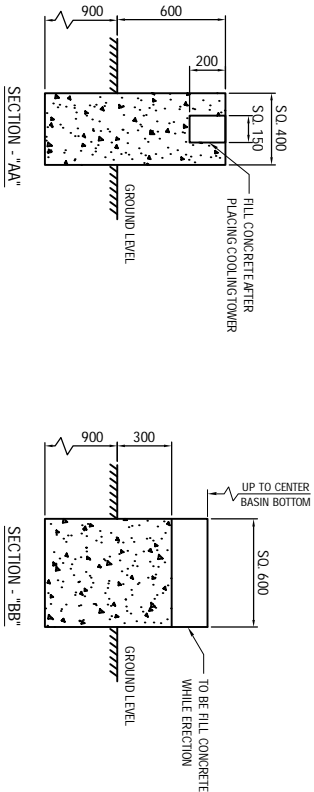


1		2	3	4	5	6	7
TOLERANCE ON LINEAR DIMENSIONS IF NOT SPECIFIED							
DIM RANGE		ALLOWABLE LIMITS					
OVER 0.5 TO 6		±0.1					
OVER 6 TO 30		±0.2					
OVER 30 TO 120		±0.3					
OVER 120 TO 315		±0.5					
OVER 315 TO 1000		±0.8					
OVER 1000 TO 2000		±1.2					
OVER 2000 TO 4000		±2					
> 4000		±3					



TECHNICAL SPECIFICATION FOR COOLING TOWER GCT 300L			
S/L NO.	DESCRIPTION	UNIT	PARAMETERS
1	TYPE OF COOLING TOWER		INDUCED DRAFT, COUNTER FLOW, EVAPORATIVE TYPE
2	COOLING CAPACITY	TR	300
3	OVERALL TOWER DIMENSIONS	mm	Ø 4420 x 4550 H
4	AIR INLET SIZE	mm	Ø 4300 x 800 H
5	MATERIAL OF TOWER STRUCTURE		FRP & HOT DIP GALVANIZED MS
6	MATERIAL OF LOWER		FRP
7	MATERIAL OF PIPING		FRP & PVC
8	MOTOR		
	POWER / SPEED / MAKE		12.5 HP / 570 rpm / MAYMIG
	TYPE		8 POLES, DUTY-S1, IP-55, EXTENDED SHAF
	CLASS OF INSULATION		F
	SUPPLY		415 V, 50Hz
	RATED CURRENT	Amps	21 Amps
	CURRENT CONSUMED	Amps	18.9 Amps
9	FAN		
	TYPE		AXIAL FLOW & DIRECT DRAIN
	FAN DIAMETER	mm	Ø 2400
	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	315
	SURFACE AREA	m²	1700
11	WATER DISTRIBUTION SYSTEM		
	TYPE		ROTATING SPRINKLER - 6"
	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
	DRAFT LOSS (MAXIMUM)	%	0.2
	BLOW DOWN LOSS (MAXIMUM)	%	0.46
	MAKE UP WATER REQUIREMENT (PEAK)	%	1.5
14	PIPE FITTINGS		
	WATER INLET		ANSI - 8" NB, IS2062
	WATER OUTLET		ANSI - 8" NB, IS2062
	FLOAT VALVE		1 1/2" BSP
	OVER FLOW		2" BSP
	DRAIN		1 1/4" BSP
15	BASIN CAPACITY	litres	3200
16	SHIPPING WEIGHT	kg/CELL	2200 - APPROXIMATE
17	OPERATING WEIGHT	kg/CELL	4100 - APPROXIMATE



	NAME/SIGN	DATE	GEM EQUIPMENTS (P) LTD COIMBATORE - 641 407
	DESIGN	SIVA	
	DRAWN	MANI	
	CHKD.		TITLE GA & FOUNDATION DRAWING GCT 300L
	APPD.		

MACHINED SURFACE AS PER IS:2102(Med.)		DRAWING No.		REV	
PROPERTY MATERIAL		1792		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

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

1		2		3		4		5		6		7	
REV.No		DATE		REVISION DETAILS		A.L.T. BY		CHKD. BY		APPD. BY		AREA	
2				3								4	