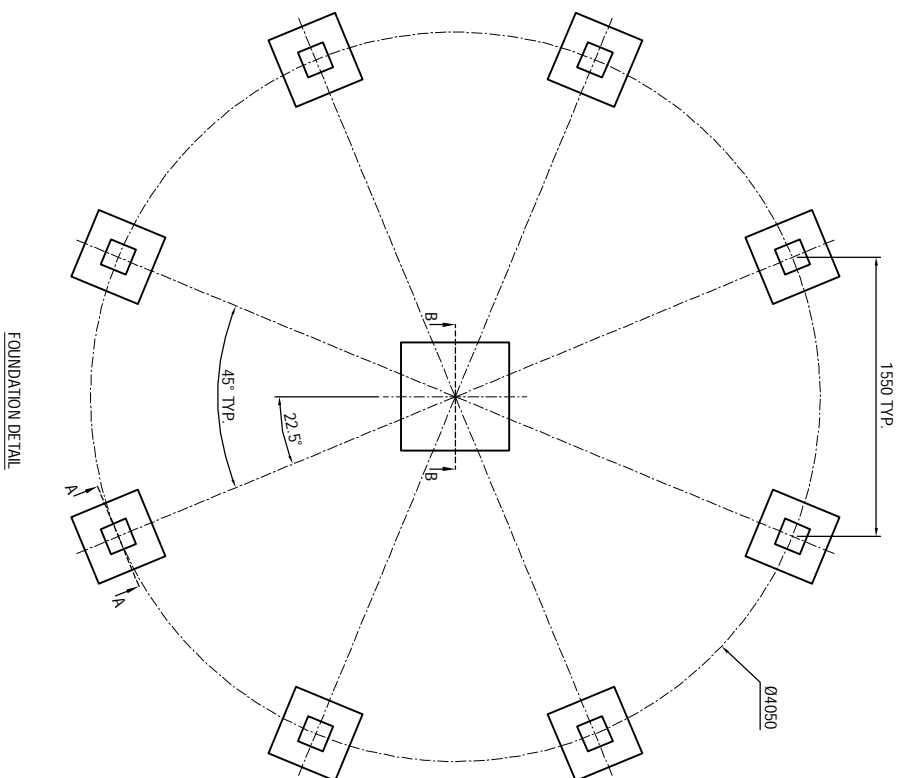
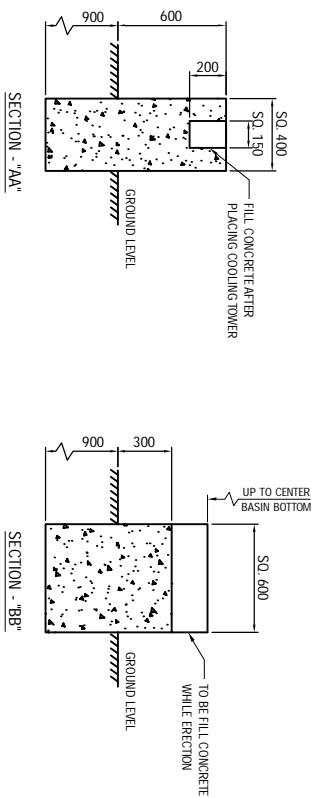
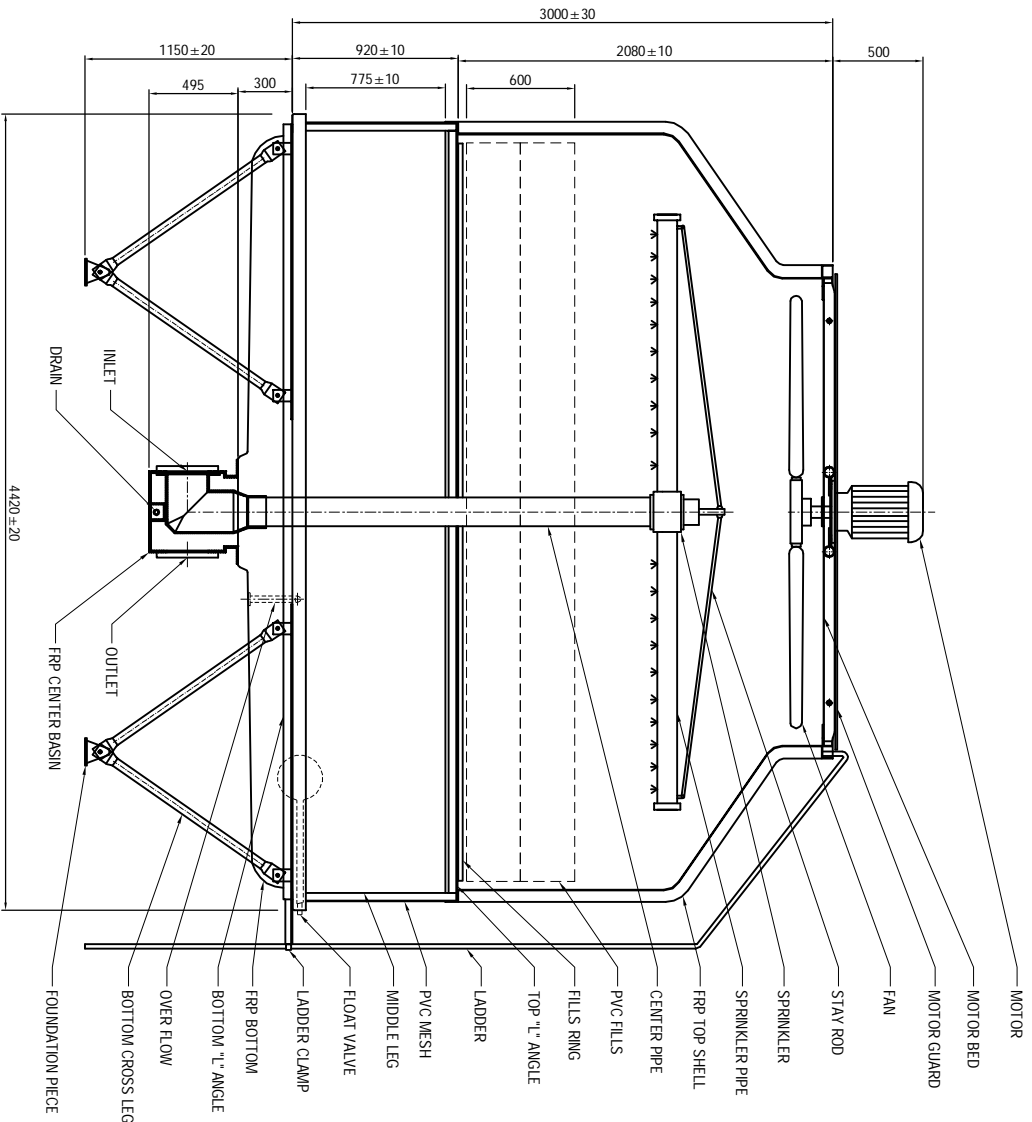


TOLERANCE ON LINEAR DIMENSIONS, IF NOT SPECIFIED		
DIM. RANGE	ALLOWABLE LIMITS	
OVER 0.5 TO 6	±0.1	
OVER 6 TO 30	±0.2	
OVER 30 TO 120	±0.3	
OVER 120 TO 315	±0.5	
OVER 315 TO 1000	±0.8	
OVER 1000 TO 2000	±1.2	
OVER 2000 TO 4000	±2	
>4000	±3	



TECHNICAL SPECIFICATION FOR COOLING TOWER CWT-400H			
SL. NO.	DESCRIPTION	UOM	PARAMETERS
1	TYPE OF COOLING TOWER		INDUCED DRAFT, COUNTER FLOW, EVAPORATIVE TYPE
2	COOLING CAPACITY	TR	400
3	OVERALL TOWER DIMENSIONS	mm	Ø 4420 x 4650 H
4	AIR INLET SIZE	mm	Ø 4300 x 800 H
5	MATERIAL OF TOWER STRUCTURE		FRP & HOT DIP GALVANIZED MS
6	MATERIAL OF LOOPER		FRP
7	MATERIAL OF PIPING		FRP & PVC
8	MOTOR		
	POWER / SPEED / MAKE		15 HP / 570 rpm / MAWUG
	TYPE		TEFC, IP 55 EXTENDED SHAFT
	CLASS OF INSULATION		F
	SUPPLY		415 V, 50Hz
	RATED CURRENT	Amps	25 Amps
	CURRENT CONSUMED	Amps	21.3 Amps
9	FAN		
	TYPE		AXIAL FLOW & DIRECT DRIVEN
	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, HT-85 °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
	DRIFT 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	2350 - APPROXIMATE
17	OPERATING WEIGHT	kg/CELL	4250 - APPROXIMATE

--	--

		GEM EQUIPMENTS (P) LTD COIMBATORE - 641 407	
NAME/SIGN	DATE		
DESIGN	SIVA	27.12.11	
DPWNI	MANI	08.08.16	

SECTION - "AA"		SECTION - "BB"		TITLE
Trust Technology	DRAWING	W/M/W	00.00.10	
	CHKD.			GA & FOUNDATION DRAWING GCT 400H
	APPD.			

A

NOTE: 1. RCC CONCRETE & FOUNDATION BOLTS ARE UNDER CUSTOMER SCOPE.									
REV. NO					DATE		REVISION DETAILS		
ALT. BY		CHKD. BY		APPD. BY		AREA		DCR. NO.	
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.									
MACHINED SURFACE AS PER IS:2102(Med) PROPERTY MATERIAL									
DRAWING No.					REV				
1795					0				
A3/ALL DIMENSIONS ARE IN mm					SCALE NTS SHEET 1 OF 1				
					A				

F/D:

SN/002/REV-1	1	2	3	4	5	6	7
--------------	---	---	---	---	---	---	---