



The best just got better

MODEL T-2125

TOWER SPECIFICATIONS





TOWER SPECIFICATIONS: MODEL T-2125

Cooling Tower Systems, Inc.

Design and Operating Conditions		Water Distribution System Construction Materials	
Tower Type:	Counter Flow Induced Draft	Stand Pipe:	PVC
Water Flow Rate (GPM):	369 GPM	Sprinkler Head:	AC
Entering Water Temperature	95°F	Sprinkler Pipes:	PVC
Leaving Water Temperature	85°F	Mechanical Equipment	
Wet Bulb Temperature:	75°F	Fan Unit:	One Unit per Tower
Total Fan BHP:	3 HP	Type:	Axial Flow
Total Pump Head:	10'	Manufacturer:	CTS
Drift Loss of Water Flow:	0.1%	Diameter:	57 7/8"
Evaporation Loss of Water Flow:	0.93%	Blade Material:	AC
Design Wind Load:	41 lbs/sq. ft.	Hub Material:	AC
Structural Details		Nominal Air Volume:	29,100 CFM
Overall Diameter:	120 1/8"	Fan Motor	
Overall Height:	87"	Number of motors:	One Unit per Tower
Dry Weight:	1,025 lbs.	Type:	Induction
Operating Weight:	2,983 lbs.	Manufacturer:	CTS
Basic Tower Construction Materials		Insulation:	F Class
Tower Support Frame Assembly	-	Rated HP:	3 HP
Casing:	FRP	Voltage and phase:	220/440V/3
Casing Supporters	HDGS	Piping Connections	
Cold Water Basin	FRP	Primary Water Inlet Diameter	6"
Filling:	PVC	Primary Water Outlet Diameter:	6"
Filling Supports:	HDGS	Auto fill inlet diameter:	1"
Fan Guard	HDGS	Quick fill inlet diameter:	-
Mechanical Equipment Supports:	HDGS	Overflow outlet diameter:	2"
Inlet Louvers:	PVC	Drain diameter:	1"
Bolts, Nuts & Washers:	STS	Water Flow (GPM):	369 GPM
Materials Key			
FRP	Fiberglass Reinforced Polyester	STS	Stainless Steel
HDGS	Hot Dipped Galvanized Steel	AC	Aluminum Alloy Cast

Cooling Tower Systems, Inc.

196 Lower Cherry Street Macon, GA 31201

TF: 800.752.1905

F: 478.755.8304

www.coolingtowersystems.com

info@coolingtowersystems.com



Cooling Tower Systems, Inc.

PARTS LIST: MODEL T-2125

FOR ASSEMBLY DIAGRAM			FOR TECHNICAL DIAGRAMS				
Ref. No.	Description	QTY	Item No.	Description	Material	QTY	
02-01	Water Sump	1	1	Fan Motor	-	1 pcs	
02-02	Outlet Nozzle	1		2	V-Belt Reducer	-	-
02-03	Inlet Nozzle	1			3	Motor Frame Assembly	HDGS
02-04	Over Flow Nozzle	1	4			Fan Blade Assembly	AC
02-05	Drain Nozzle	1		5		Fan Guard	HDGS
02-06	Automatic Filler Nozzle	1			6	Casing	FRP
02-07	Quick Filler Nozzle	1	7			Hand Hole	EVA
02-08	Float Valve Assembly	1		8		Sprinkler Head	Nylon
02-09	Over Flow	1			9	Sprinkler Pipes	PVC
02-10	Suction Strainer	1	10			Eliminator	PVC
02-12A	Z Type Connector	1		11		Tension Device	-
02-16	Elbow	1			12	Stand Pipe	PVC
02-19	Inlet Pipe	1	13			Filling	PVC
03-01	Water Basin	5		14		Stopper or Column	AC
04-00	Casing Supporter	6			15	Filling Supporter	HDGS
05-01A	Casing	6	16			Casing Supporter	HDGS
05-06	Hand Hole Cover	1		17		Inlet Louver	PVC
06-01	Stand Pipe	1			18	Frame Assembly	-
06-04	Stand Pipe Base	-	19			Water Basin	FRP
07-01	Stopper	-		20		Water Sump	FRP
07-02	Column	1			21	Ladder	HDGS
08-01	Filling Supporter - A	6	22			Strainer	PE
08-02	Filling Supporter - B	6		23		Flange	HDGS
08-03	Filling Supporter - C	12			24	Basin Supporter	-
08-04	Fill Supt. Clamping Band	6					
10-01	Ladder (A Section)	1					
10-02	Ladder (B Section)	1					
10-03	Ladder Bracket - A	2					
10-04	Ladder Bracket - B	2					
11-02	Filling 1/2 Section	-					
11-03	Filling 1-3 Section	6					
12-01	Sprinkler Head	1					
12-02	Center Post	1					
12-03	Turnbuckle	4					
12-04	Tension Wire	4					
13-02	Sprinkler Pipe	4					
13-03	End Cap	4					
14-00	Motor Frame Assembly	4					
16-01	Fan Motor	1					
16-03	Fan Key	1					
16-04	Fasten Nut	1					
17-01	Fan Hub	1					
17-02	Fan Blade	4					
17-04	U-Bolt	4					
18-01	Fan Guard	2					
20-02	Inlet Louver	12					
20-03	PVC Frame	7					
20-04	Louver Clip	14					
20-05	Louver Hook	18					
20-06	Lug Plate	18					
20-07	Wing Nut	18					
OTHERS	Bolts & Nuts	1 SET					
			Materials Key				
			FRP	Fiberglass Reinforced Polyester			
			HDGS	Hot Dipped Galvanized Steel			
			STS	Stainless Steel			
			AC	Aluminum Alloy Cast			
			Water Basin Sealing Material				
			Fiberglass	1 Set—A			
			Polyester Resin	1 Keg—B			
			Catalyst	1 Bottle—C			

Cooling Tower Systems, Inc.

196 Lower Cherry Street Macon, GA 31201

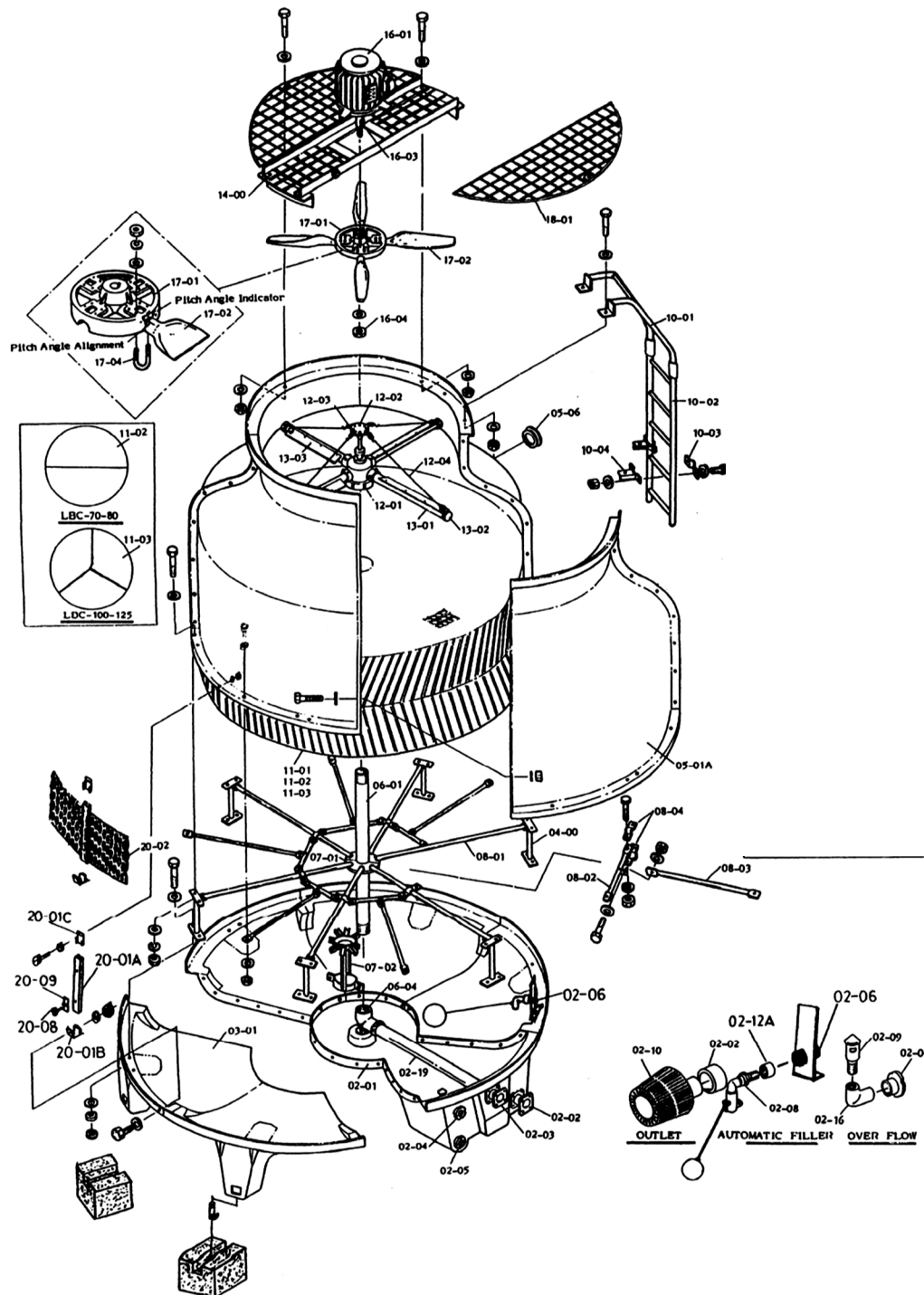
TF: 800.752.1905

F: 478.755.8304

www.coolingtowersystems.com

info@coolingtowersystems.com

ASSEMBLY DIAGRAM: MODEL T-2125



Cooling Tower Systems, Inc.

196 Lower Cherry Street Macon, GA 31201

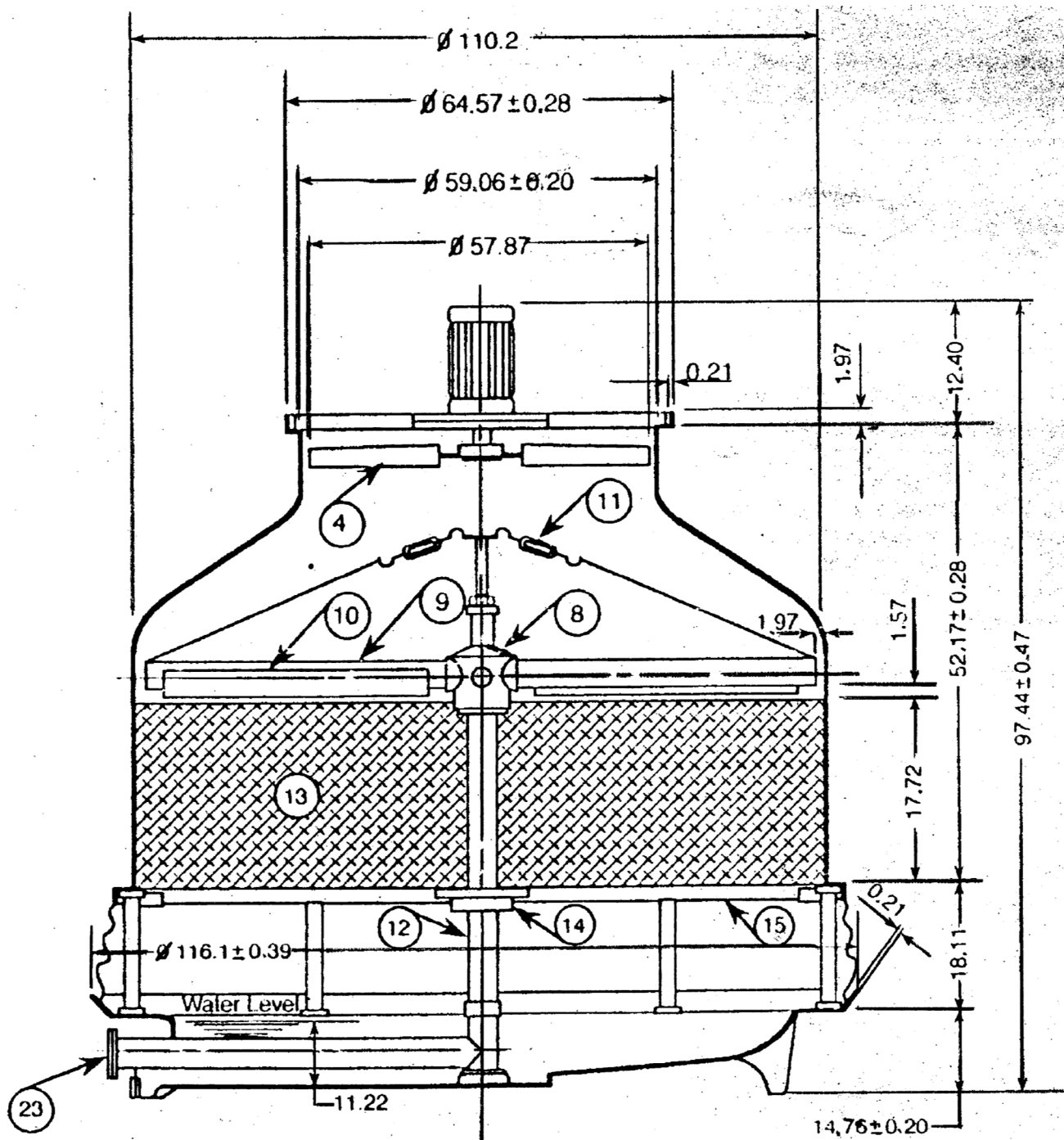
TF: 800.752.1905

F: 478.755.8304

www.coolingtowersystems.com

info@coolingtowersystems.com

TECHNICAL IMAGE A: MODEL T-2125



Cooling Tower Systems, Inc.

196 Lower Cherry Street Macon, GA 31201

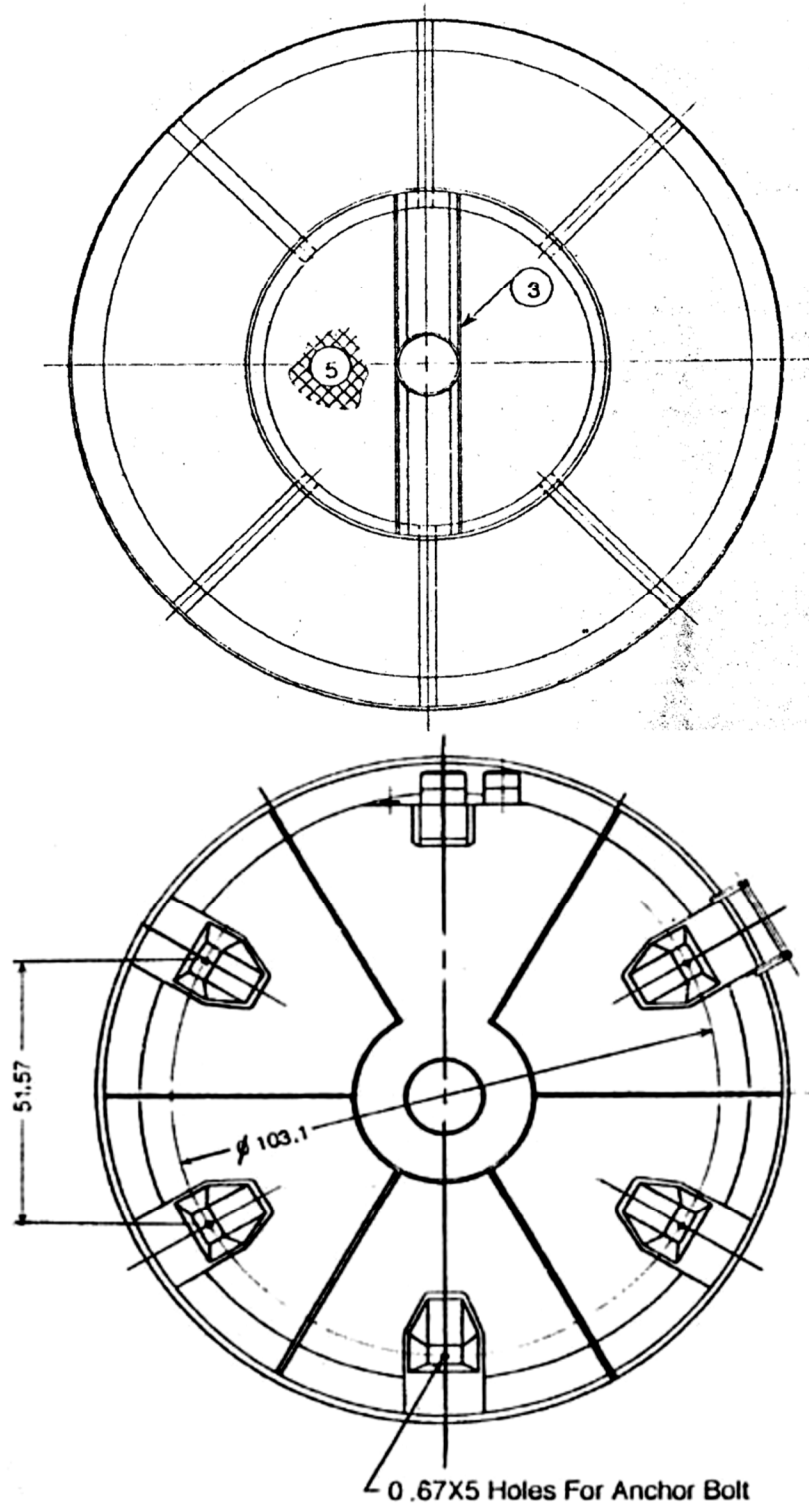
TF: 800.752.1905

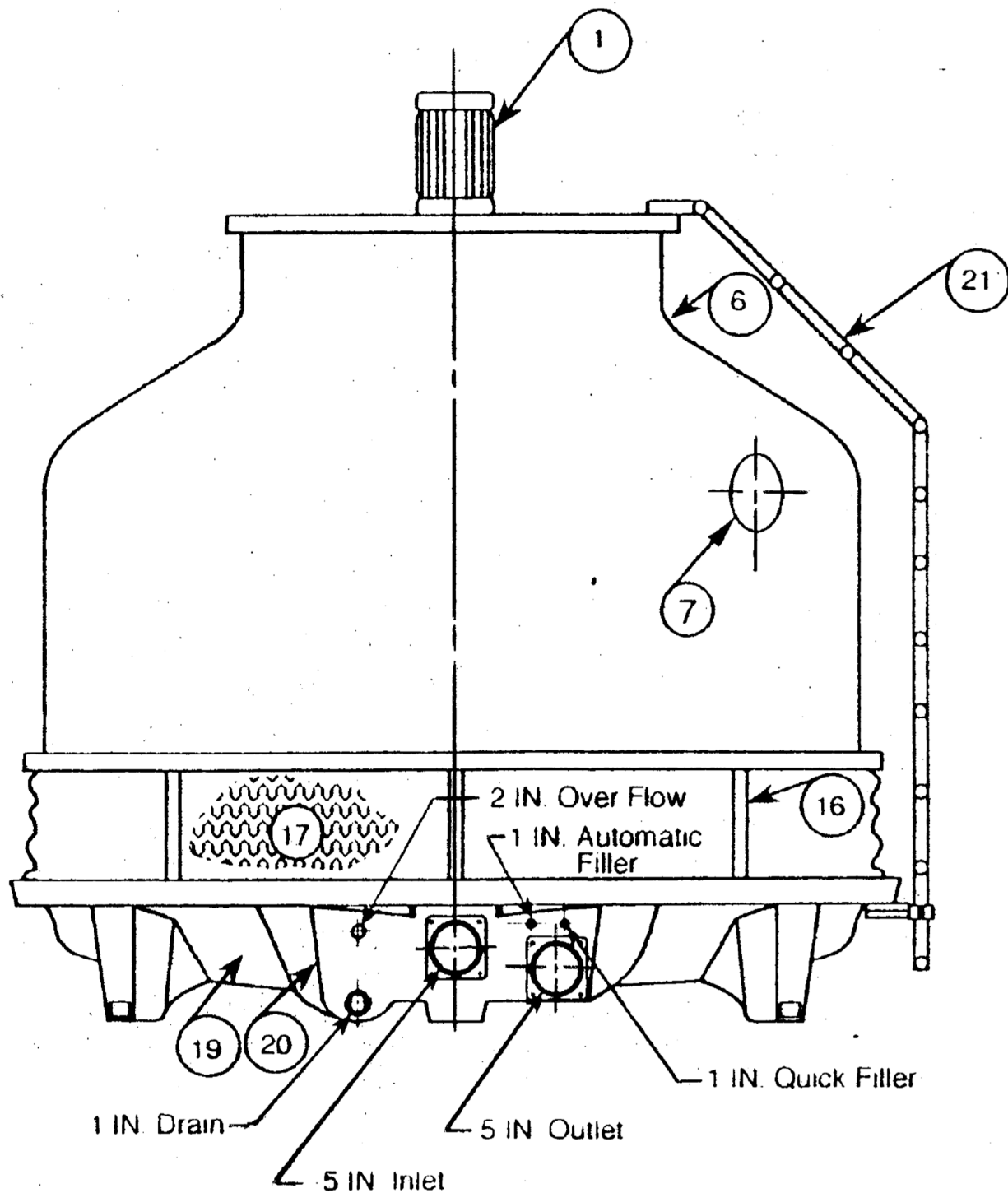
F: 478.755.8304

www.coolingtowersystems.com

info@coolingtowersystems.com

TECHNICAL IMAGE B & C: MODEL T-





Cooling Tower Systems, Inc.

196 Lower Cherry Street Macon, GA 31201

TF: 800.752.1905

F: 478.755.8304

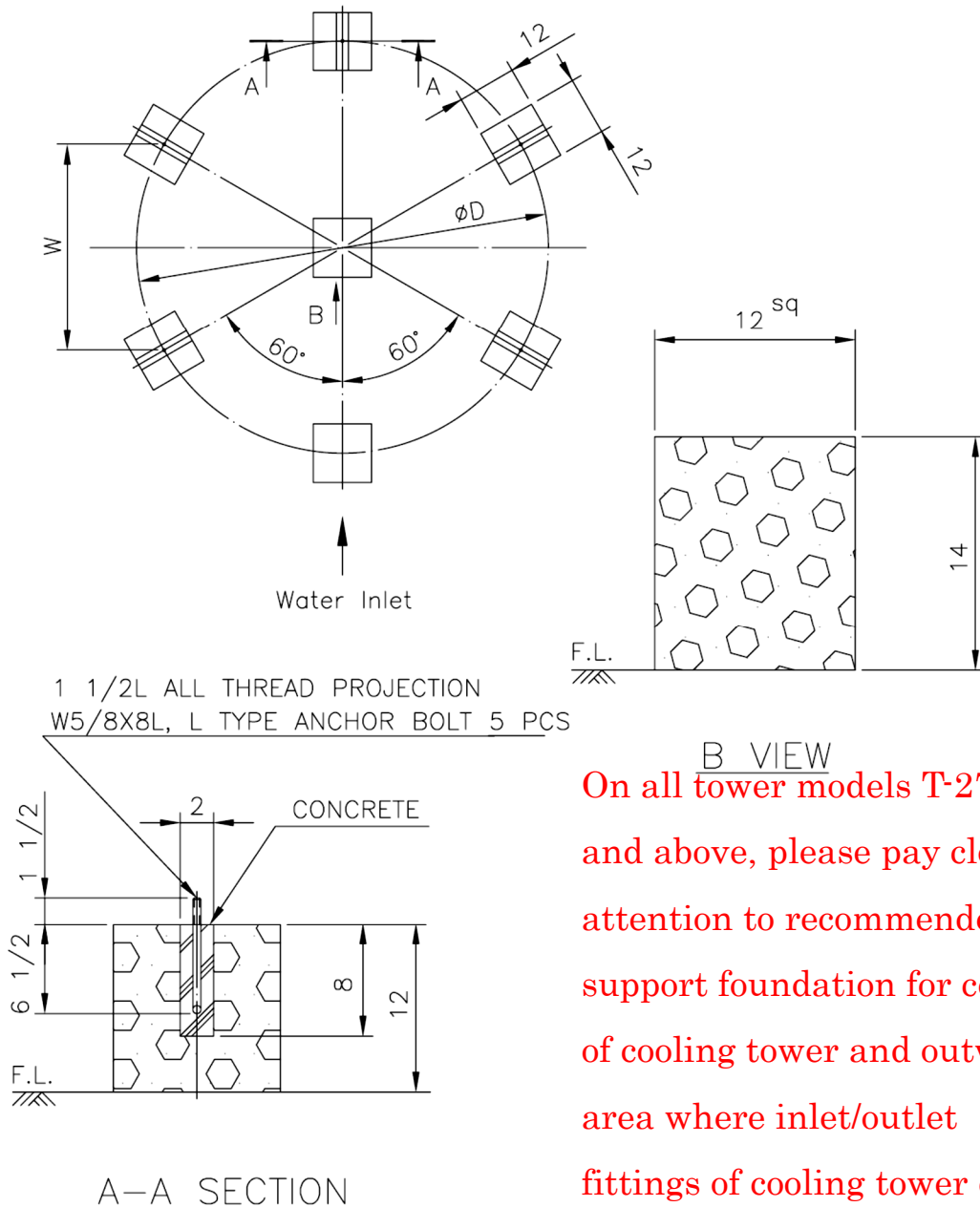
www.coolingtowersystems.com

info@coolingtowersystems.com



FOUNDATION DRAWING: MODEL T-2125 Cooling Tower Systems, Inc.

T-	ϕD	W	L TYPE ANCHOR BOLT		
			SIZE	L	PCS
2100	92 1/2	46 1/4	W 5/8	8	5
2125	103 1/8	51 1/2	W 5/8	8	5



On all tower models T-270 and above, please pay close attention to recommended support foundation for center of cooling tower and outward area where inlet/outlet fittings of cooling tower exist

Cooling Tower Systems, Inc.

196 Lower Cherry Street Macon, GA 31201

TF: 800.752.1905

F: 478.755.8304

www.coolingtowersystems.com

info@coolingtowersystems.com