



MODEL T-240 TOWER SPECIFICATIONS





TOWER SPECIFICATIONS: MODEL T-240 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):	118 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:	1.5 HP	Type:	Axial Flow
Total Pump Head:	6.6'	Manufacturer:	CTS
Drift Loss of Water Flow:	0.1%	Diameter:	38.25"
Evaporation Loss of Water Flow:	0.93%	Blade Material:	AC
Design Wind Load:	30.7 lbs/sq. ft.	Hub Material:	AC
Structural Details		Nominal Air Volume:	9,800 CFM
Overall Diameter:	71 5/8"	Fan Motor	
Overall Height:	74.5"	Number of motors:	One Unit per Tower
Dry Weight:	369 lbs.	Type:	Induction
Operating Weight:	1,133 lbs.	Manufacturer:	CTS
Basic Tower Construction Materials		Insulation:	F Class
Tower Support Frame Assembly	FRP	Rated HP:	1.5 HP
Casing:	FRP	Voltage and phase:	220/440V/3
Casing Supporters	AC	Piping Connections	
Cold Water Basin	FRP	Primary Water Inlet Diameter	2.5"
Filling:	PVC	Primary Water Outlet Diameter:	2.5"
Filling Supports:	HDGS	Auto fill inlet diameter:	3/4"
Fan Guard	HDGS	Quick fill inlet diameter:	-
Mechanical Equipment Supports:	HDGS	Overflow outlet diameter:	1"
Inlet Louvers:	PVC	Drain diameter:	1"
Bolts, Nuts & Washers:	STS	Water Flow (GPM):	118 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

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info@coolingtowersystems.com



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PARTS LIST: MODEL T-240

FOR ASSEMBLY DIAGRAM		
Ref. No.	Description	QTY
02-01	Water Sump	1
02-02	Outlet Nozzle	1
02-03	Inlet Nozzle	1
02-04	Over Flow Nozzle	1
02-05	Drain Nozzle	1
02-06	Automatic Filler Nozzle	1
02-07	Quick Filler Nozzle	1
02-08	Float Valve Assembly	1
02-09	Over Flow	1
02-10	Suction Strainer	1
02-12A	Z Type Connector	1
02-16	Elbow	1
02-19	Inlet Pipe	1
03-01	Water Basin	2
04-00	Casing Supporter	4
05-01A	Casing	4
05-06	Hand Hole Cover	1
06-01	Stand Pipe	1
06-04	Stand Pipe Base	1
07-01	Stopper	1
08-01	Filling Supporter - A	4
08-02	Filling Supporter - C	4
10-00	Ladder	1
10-03	Ladder Bracket - A	2
10-04	Ladder Bracket - B	2
12-01	Sprinkler Head	1
12-04	Tension Wire	2
13-01	Sprinkler Pipe	4
13-02	End Cap	4
13-03	Eliminator	4
13-04	Lock Nut	4
14-00	Motor Frame Assembly	1
16-01	Fan Motor	1
16-03	Fan Key	1
16-04	Fasten Nut	1
17-00	Fan Assembly	1
17-01	Fan Hub	-
17-02	Fan Blade	-
17-04	U-Bolt	-
18-01	Fan Guard	2
20-02	Inlet Louver	4
20-03	PVC Frame	8
20-04	Louver Clip	8
20-05	Louver Plate	8
20-06	Lug Plate	8
OTHERS	Bolts & Nuts	1 SET

FOR TECHNICAL DIAGRAMS			
Item No.	Description	Material	QTY
1	Fan Motor	-	1 pcs
2	V-Belt Reducer	-	-
3	Motor Frame Assembly	HDGS	1 set
4	Fan Blade Assembly	Nylon	1 set
5	Fan Guard	PP	1 set
6	Casing	FRP	4 pcs
7	Hand Hole	EVA	1 pcs
8	Sprinkler Head	Nylon	1 set
9	Sprinkler Pipes	PVC	4 pcs
10	Eliminator	-	4 pcs
11	Tension Device	-	-
12	Stand Pipe	PVC	1 set
13	Filling	PVC	1 set
14	Stopper or Column	PP	1 set
15	Filling Supporter	PVC	1 set
16	Casing Supporter	Nylon	4 pcs
17	Inlet Louver	PVC	1 set
18	Frame Assembly	-	-
19	Water Basin	FRP	1 pcs
20	Water Sump	-	-
21	Ladder	-	-
22	Strainer	PE	1 pcs
23	Flange	-	-
24	Basin Supporter	-	-

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

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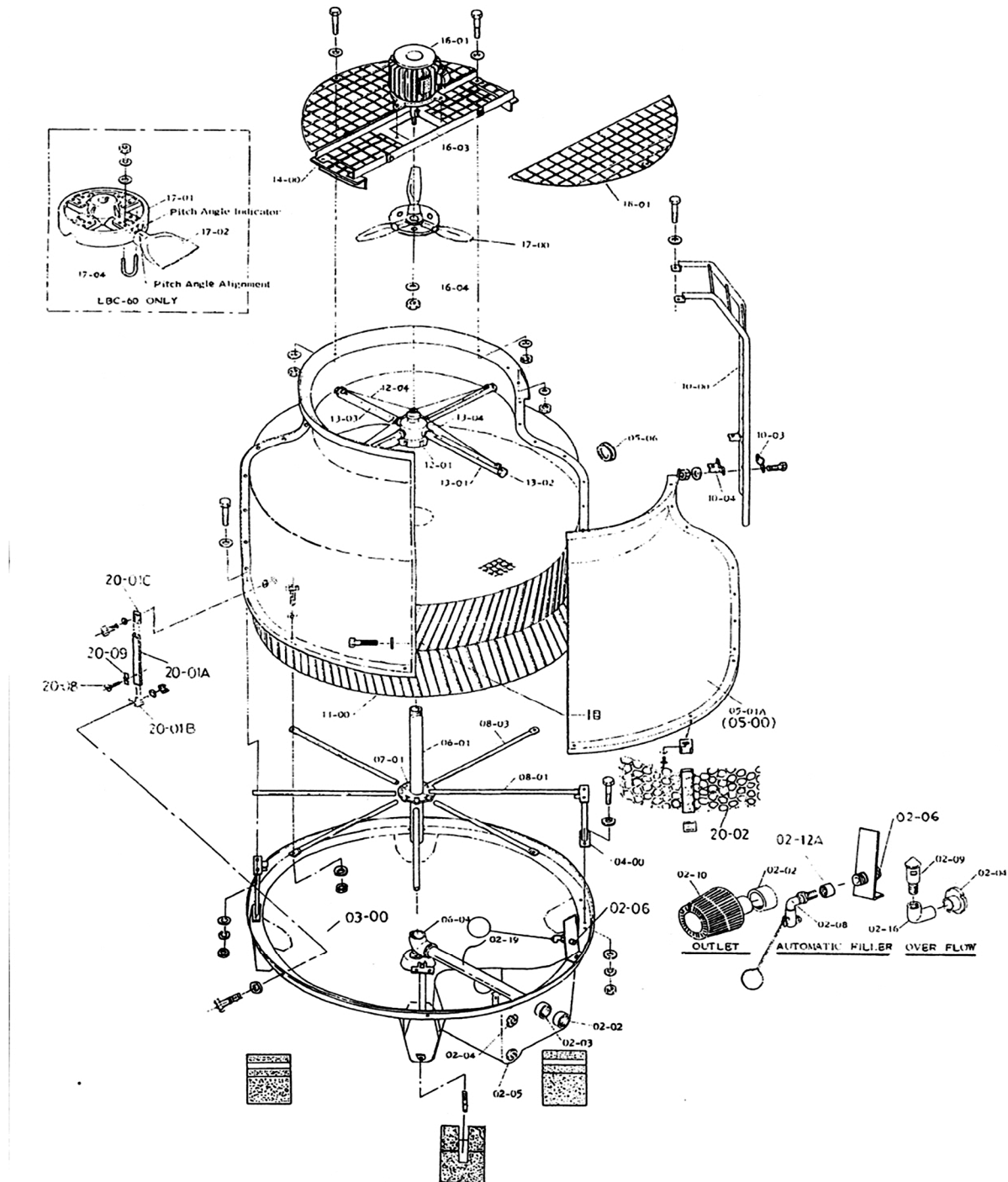
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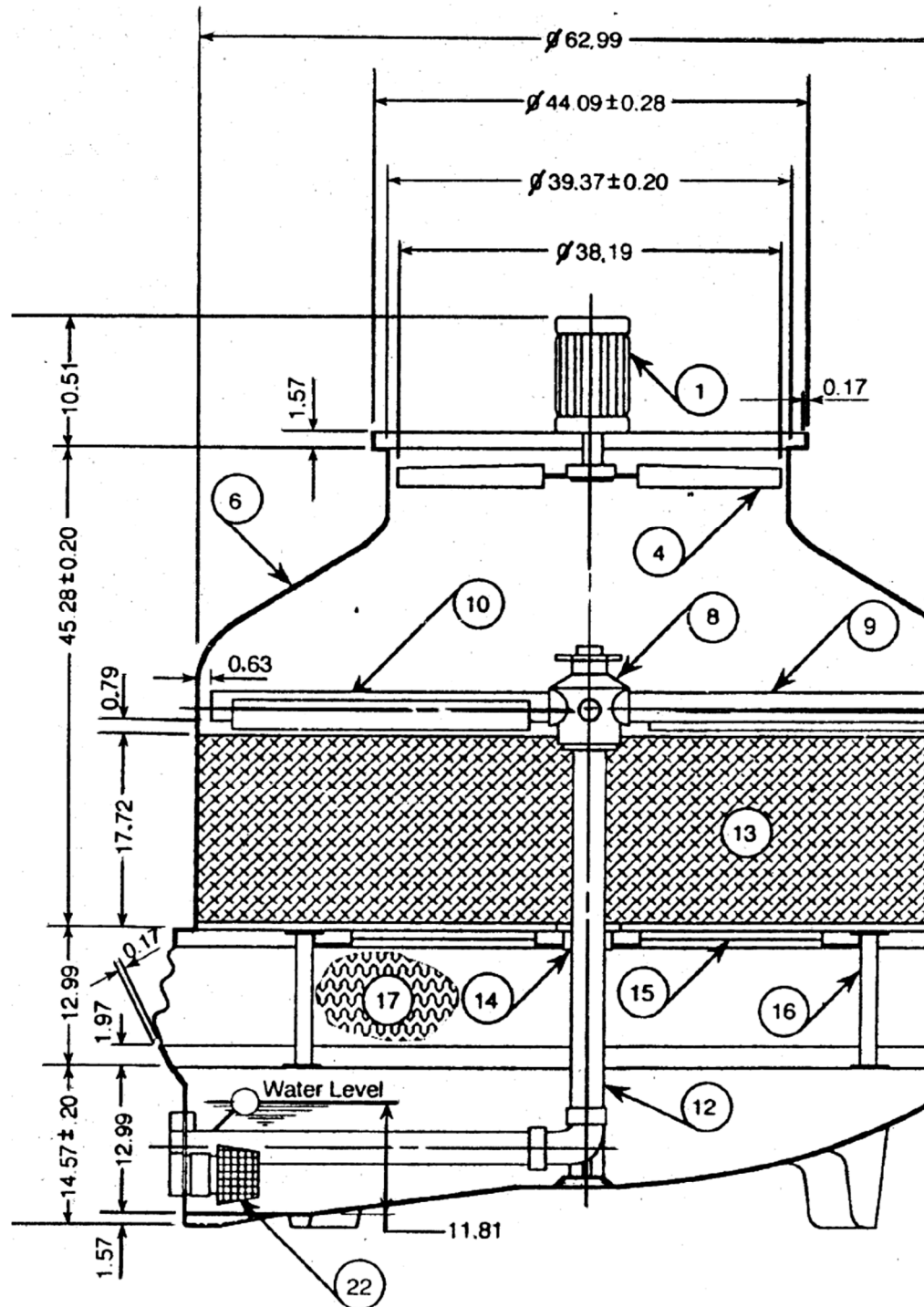
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TECHNICAL IMAGE A: MODEL T-240

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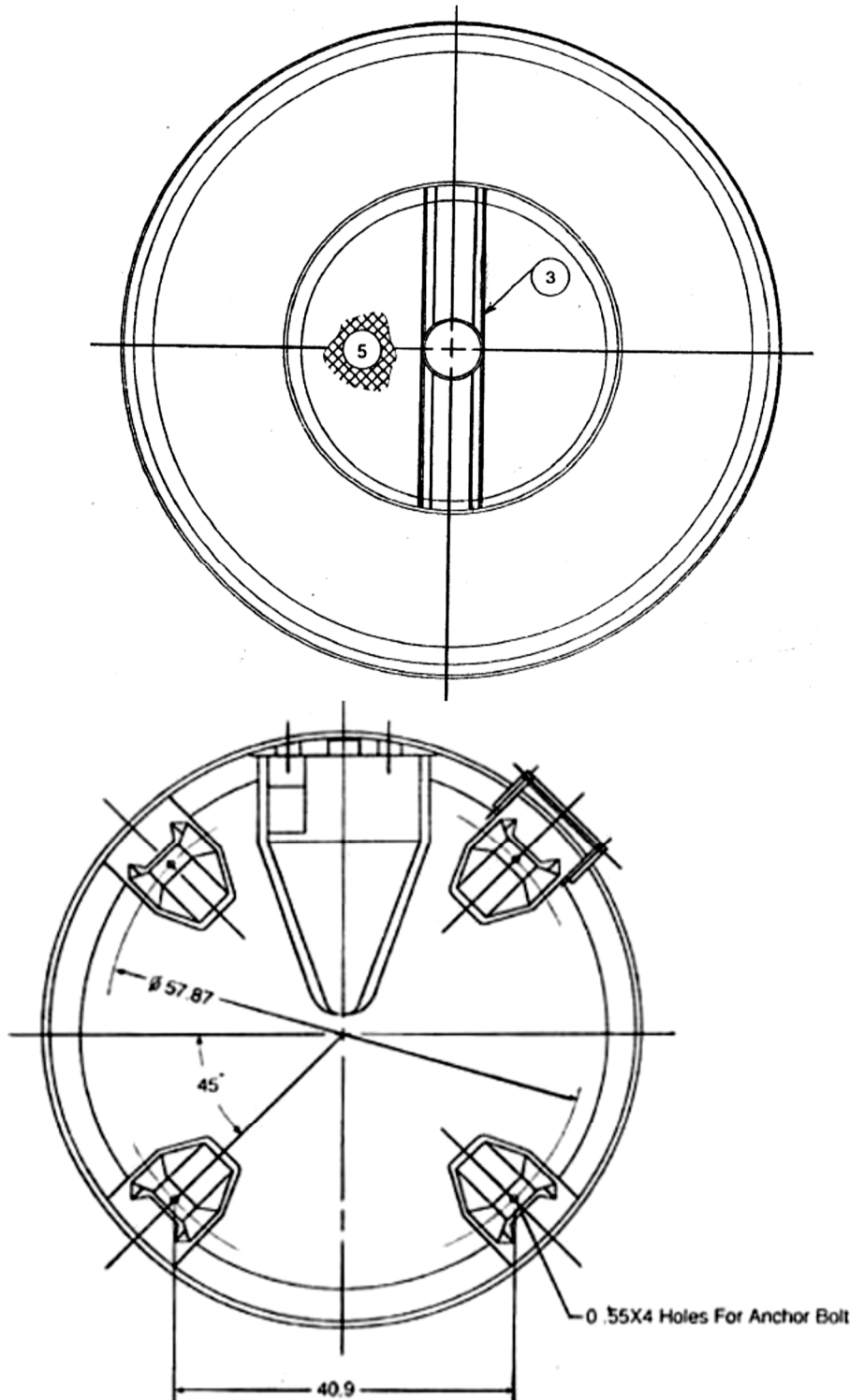
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TECHNICAL IMAGE B & C: MODEL T-240 Cooling Tower Systems, Inc.



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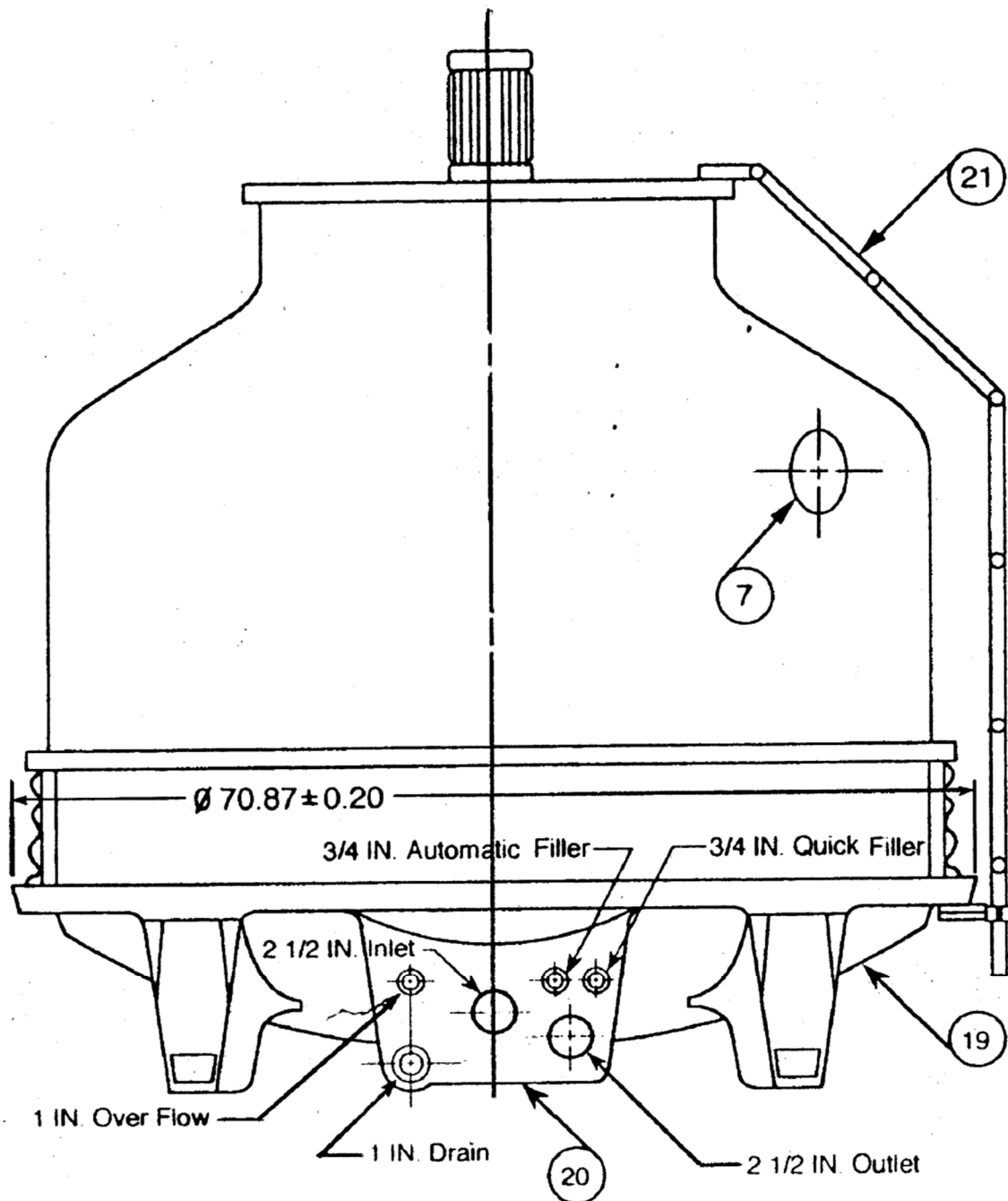
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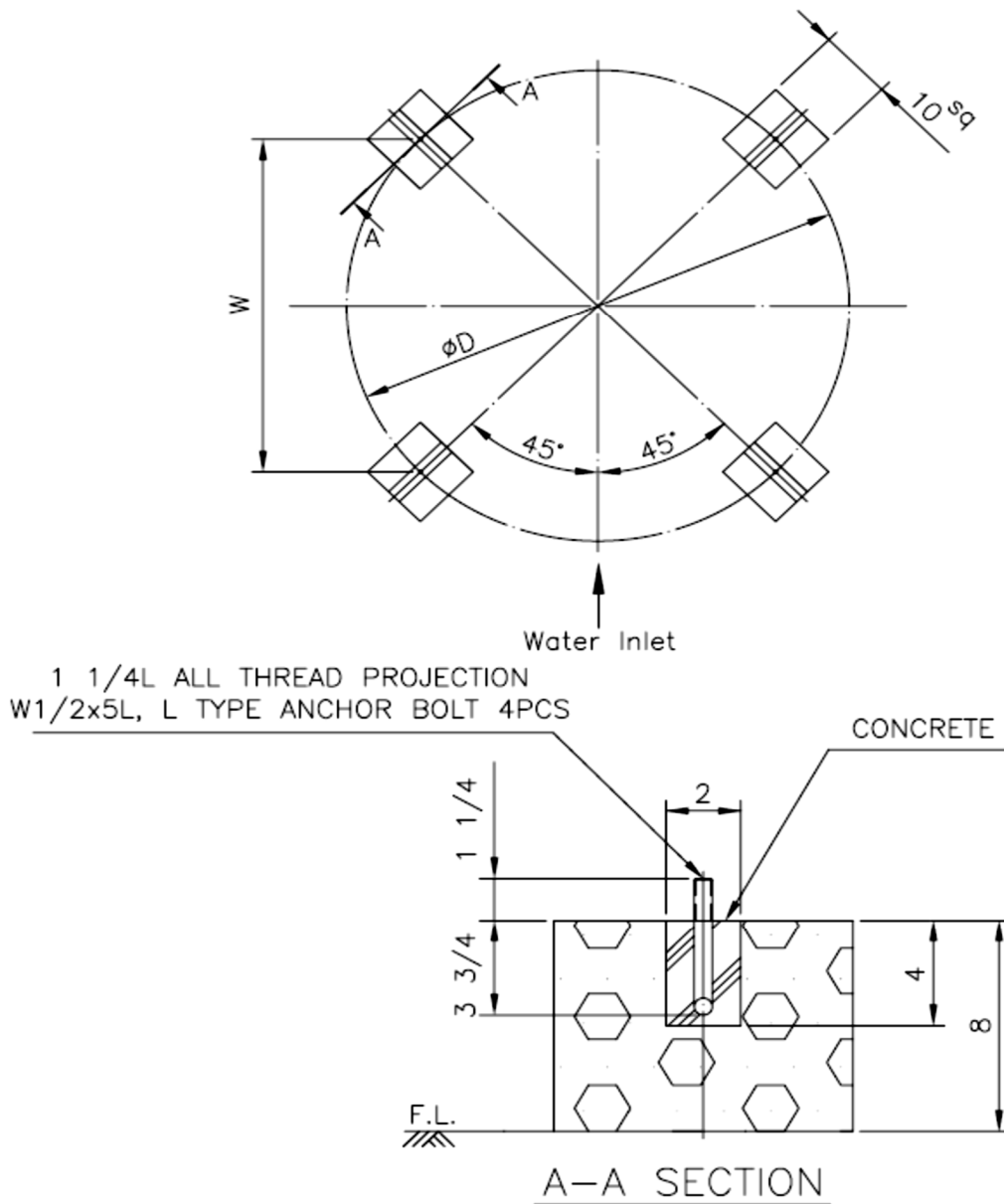
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FOUNDATION DRAWING: MODEL T-240 Cooling Tower Systems, Inc.

T-	ϕD	W	L TYPE ANCHOR BOLT		
			SIZE	L	PCS
240	57 7/8	40 7/8	W1/2	5	4
250	66 1/8	46 3/4	W1/2	5	4
260	66 1/8	46 3/4	W1/2	5	4



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