

The best just got better

MODEL T-2125

TOWER SPECIFICATIONS



Cooling Technology, Inc.
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TOWER SPECIFICATIONS: MODEL T-2125

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:	0.002%	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:	29,060 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:	E 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



PARTS LIST: MODEL T-2125

FOR TECHNICAL DIAGRAMS				FOR ASSEMBLY DIAGRAM		
Item No.	Description	Material	QTY	Ref. No.	Description	QTY
1	Fan Motor	-	1 pcs	02-01	Water Sump	1
2	V-Belt Reducer	-	-	02-02	Outlet Nozzle	1
3	Motor Frame Assembly	HDGS	1 set	02-03	Inlet Nozzle	1
4	Fan Blade Assembly	AC	1 set	02-04	Over Flow Nozzle	1
5	Fan Guard	HDGS	1 set	02-05	Drain Nozzle	1
6	Casing	FRP	6 pcs	02-06	Automatic Filler Nozzle	1
7	Hand Hole	EVA	1 pcs	02-07	Quick Filler Nozzle	1
8	Sprinkler Head	Nylon	1 set	02-08	Float Valve Assembly	1
9	Sprinkler Pipes	PVC	4 pcs	02-09	Over Flow	1
10	Eliminator	PVC	4 pcs	02-10	Suction Strainer	1
11	Tension Device	-	-	02-12A	Z Type Connector	1
12	Stand Pipe	PVC	1 set	02-16	Elbow	1
13	Filling	PVC	1 set	02-19	Inlet Pipe	1
14	Stopper or Column	AC	1 set	03-01	Water Basin	5
15	Filling Supporter	HDGS	1 set	04-00	Casing Supporter	6
16	Casing Supporter	HDGS	6 pcs	05-01A	Casing	6
17	Inlet Louver	PVC	1 set	05-06	Hand Hole Cover	1
18	Frame Assembly	-	-	06-01	Stand Pipe	1
19	Water Basin	FRP	5 pcs	06-04	Stand Pipe Base	-
20	Water Sump	FRP	1 pcs	07-01	Stopper	-
21	Ladder	HDGS	1 set	07-02	Column	1
22	Strainer	PE	1 pcs	08-01	Filling Supporter - A	6
23	Flange	HDGS	2 pcs	08-02	Filling Supporter - B	6
24	Basin Supporter	-	-	08-03	Filling Supporter - C	12
				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

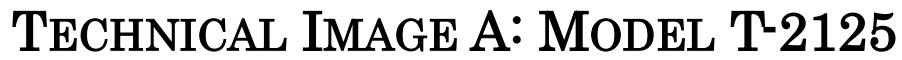
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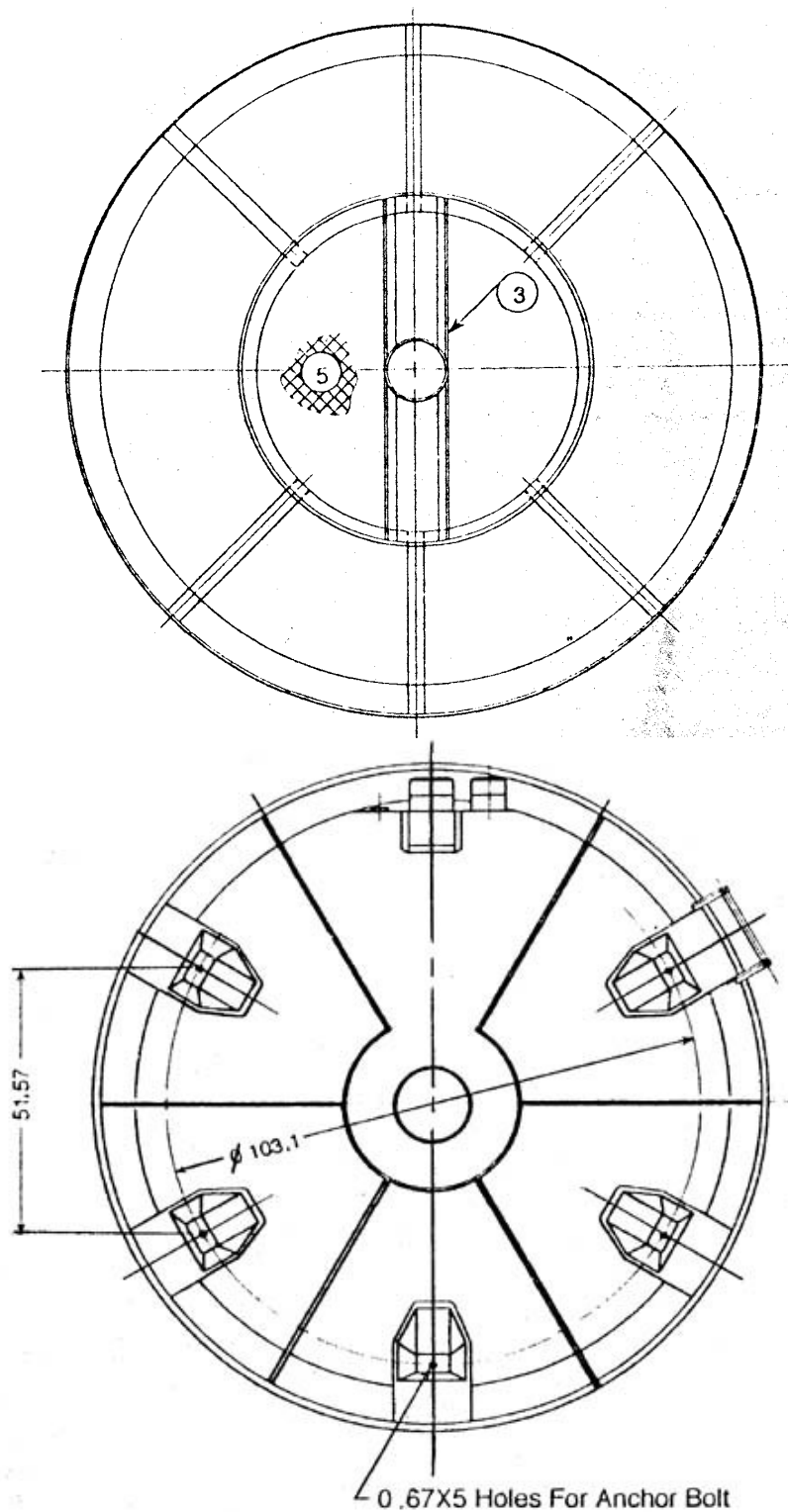
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TECHNICAL IMAGE B & C: MODEL T-2125



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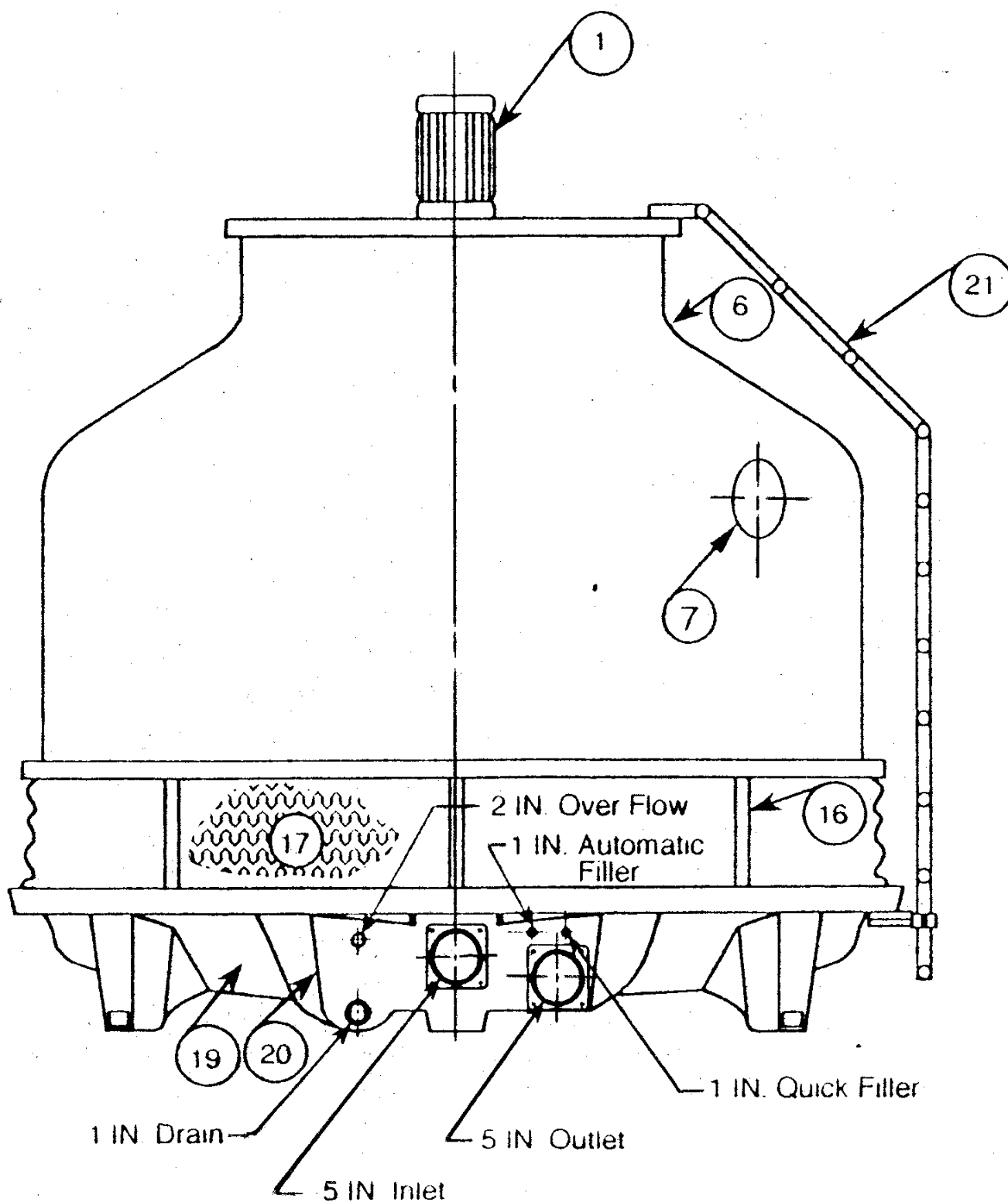
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TECHNICAL IMAGE D: MODEL T-2125



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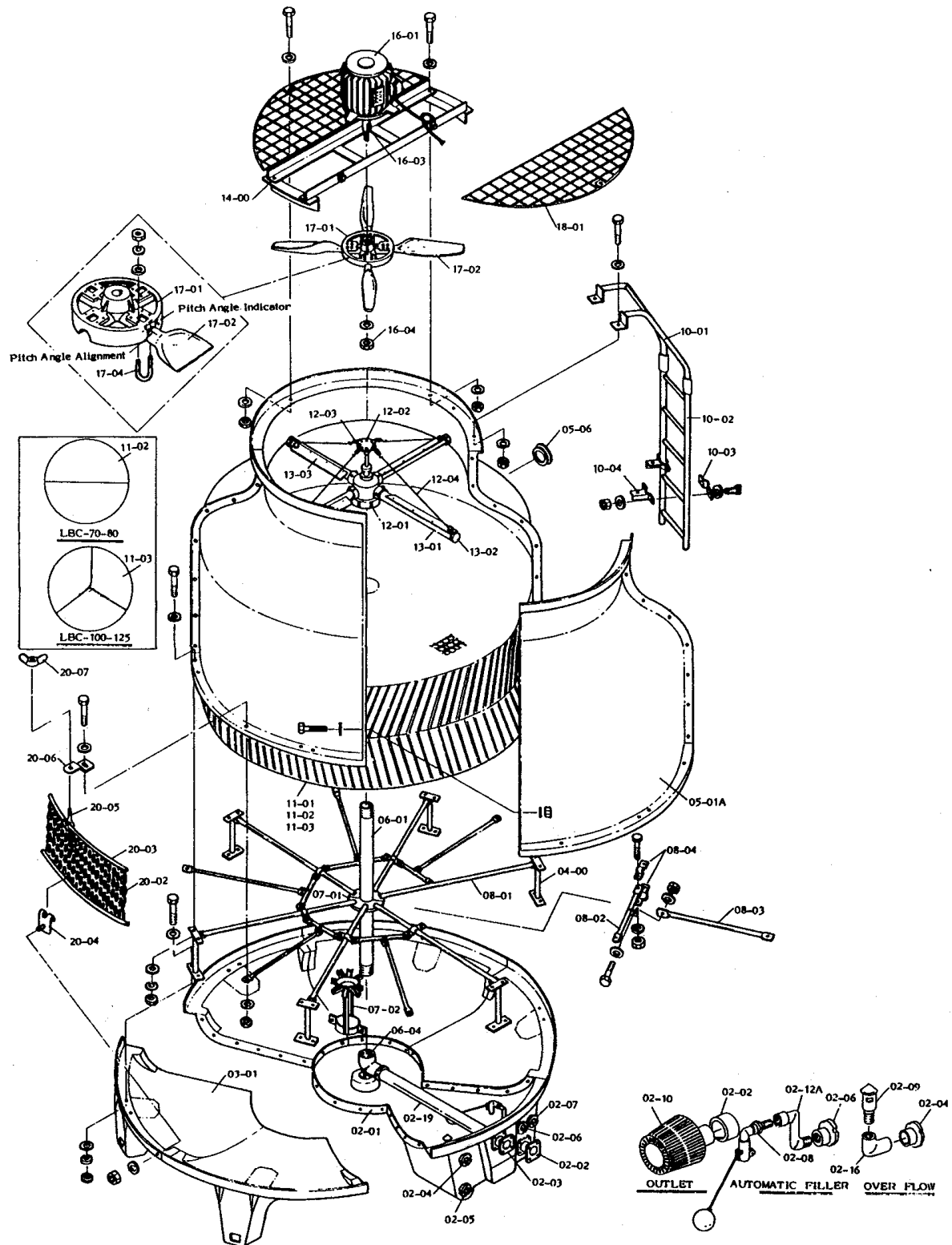
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ASSEMBLY DIAGRAM: MODEL T-2125



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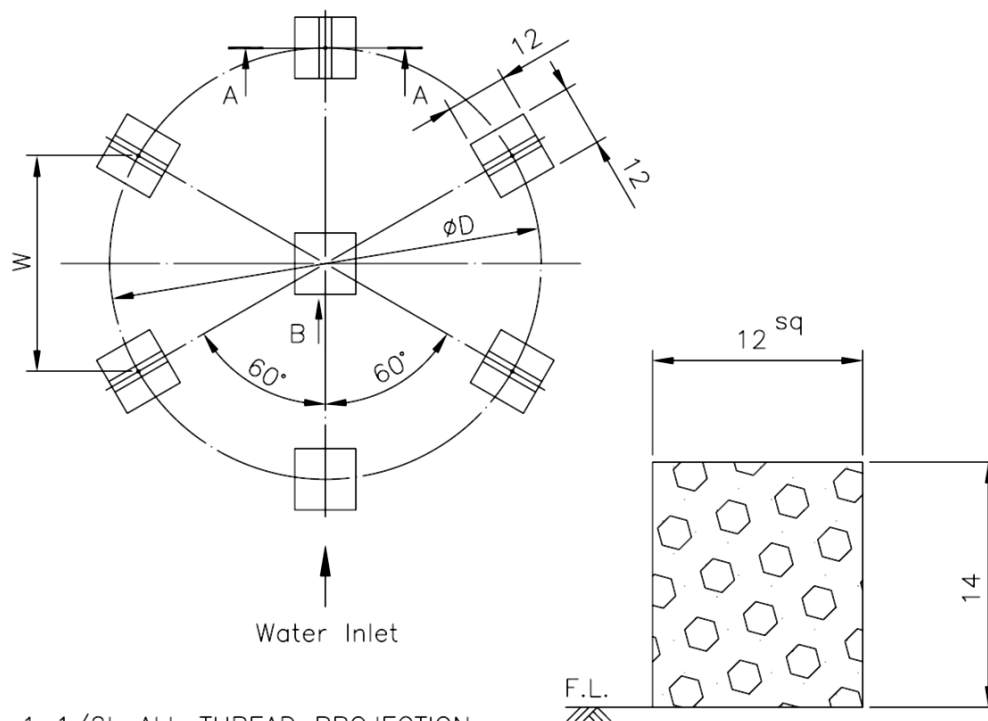
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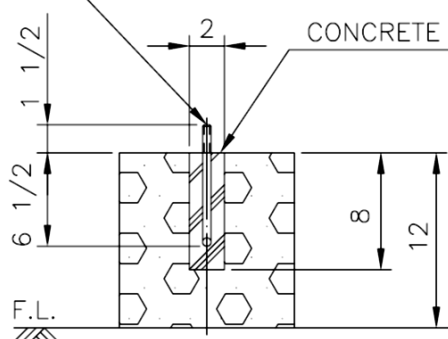
FOUNDATION DRAWING: MODEL T-2125

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



1 1/2L ALL THREAD PROJECTION
W5/8X8L, L TYPE ANCHOR BOLT 5 PCS

B VIEW



A-A SECTION

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