



MULTIPLE RATING TABLES				SPECIFICATIONS		NOTES	
C.F.M.	INLET VELOCITY (12" DIA)	OUTLET VELOCITY (14" DIA)	EXTERNAL S.P. (INCHES WG.)				
4500	5732	4205	5.0"	1. MOTOR SHALL BE 10 HP, 3600 RPM, 230-460/ 60/3	1. INLET CAN BE ROTATED AT 90° INCREMENTS IN FIELD.	TORIT DIVISION, DONALDSON COMPANY, INC., P.O. BOX 1299 - MINNEAPOLIS, MINNESOTA 55440	
4000	5095	3738	6.7"	2. DRUM CAPACITY: 7.5 CU. FT.	2. OUTLET CAN BE ROTATED AT 45° INCREMENTS IN FIELD.		
3500	4458	3271	8.4"	3. FILTER AREA SHALL BE 200 SQ. FT.	3. THIS DRAWING IS FOR A STANDARD 30FB55 DUST COLLECTOR. ANY DEPARTURE FROM THIS DESIGN SHALL REDUCE SPECIAL FABRICATION AND INCREASE IN COST		
3000	3821	2804	9.9"	4. INLET: 12" I.D.	4. THIS PRINT IS NOT CERTIFIED FOR CONSTRUCTION PUR- POSES, UNLESS PROPERLY SIGNED BY TORIT ENG. DEPT		
				5. NET WT: 1091 LBS. SHIPPING WT: 1386 LBS.	5. DRUM IS NOT FURNISHED BY TORIT.		
				6. FAN SIZE: 16 $\frac{1}{2}$ x 3 $\frac{1}{2}$ MAT'L HANDLING DESIGN.	6. HEIGHT OF MOTOR SUPPLIED OR SPECIFIED MAY VARY FROM NOMINAL HEIGHT SHOWN. TORIT WILL VERIFY WHERE REQ'D.		

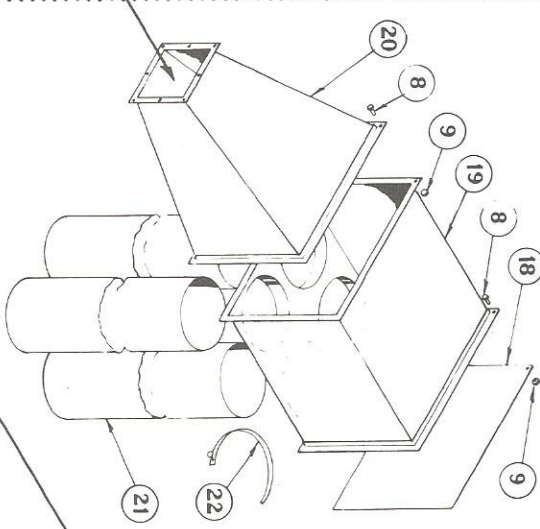
SPECIFICATION CONTROL DRAWING

MODEL NO. 30FB55CYCLONE

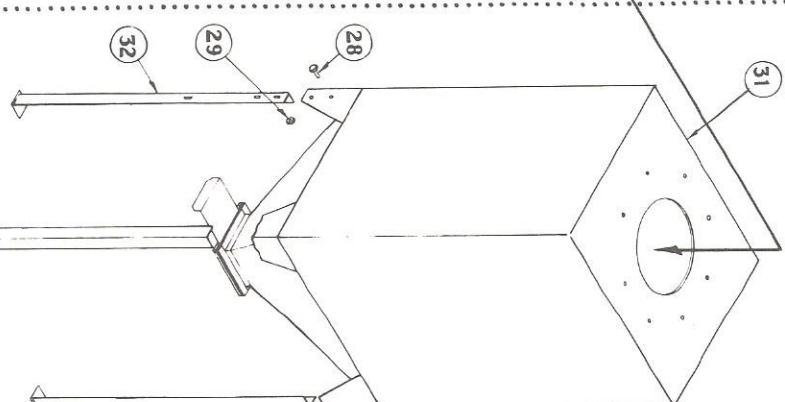
DRAWN: T. M. <i>Thorne</i> APP'D: L. PIERCE	DRWG. NO. 30-003 REVISION F 2-78
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This diagram shows the exploded view of a vacuum furnace assembly. The components are numbered as follows:

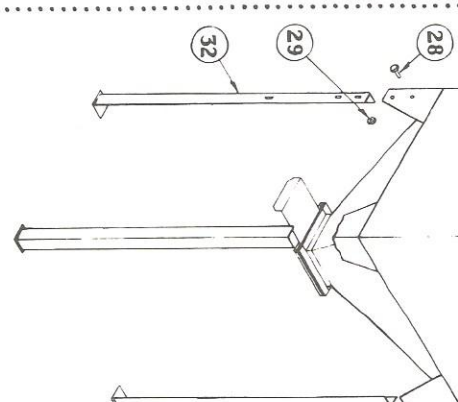
- 1: Heating element (top)
- 2: Insulation layer (top)
- 3: Insulation layer (middle)
- 4: Insulation layer (bottom)
- 5: Heating element (bottom)
- 6: Insulation layer (bottom)
- 7: Insulation layer (bottom)
- 8: Heating element (bottom)
- 9: Insulation layer (bottom)
- 10: Heating element (bottom)
- 11: Insulation layer (bottom)
- 12: Insulation layer (bottom)
- 13: Heating element (bottom)
- 14: Insulation layer (bottom)
- 15: Heating element (bottom)
- 16: Insulation layer (bottom)
- 17: Heating element (bottom)



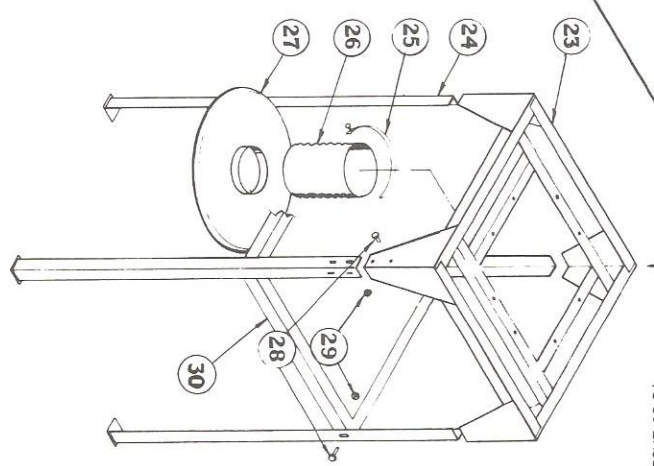
A diagram of a diamond-shaped structure, possibly a cross-section of a crystal or a geometric model. It features a central circle with an arrow pointing to it from the right. The diamond is divided into four quadrants by a vertical line. There are small dots or markers at the intersections of the lines and at the midpoints of the sides of the diamond. A label '1' in a circle is positioned at the top right, with an arrow pointing to the upper right edge of the diamond.



HOPPER MODELS



DRUM MODELS



PARTS SCHEDULE		DESCRIPTION
ITEM	PART NUMBER	
1	SPECIFY	MOTOR HP 3600RPM
2	8BP- .06239-.00	DRIVE SCREW 5/16-18 X 3/4
3	8PP-10928-.00	PLATE MOTOR MTG
4	8PP-09009-.01	BOLT HEX 1/2-13 X 1
5	4MA-00303-.05	WHEEL ASY(1 1/8 BORE)
6	8PP-09010-.04	BOLT HEX 5/16-18 X 3/4
7	3EA-12489-.01	BLOWER HSG ASY
8	8PP-09003-.03	BOLT HEX 1/4-20 X 3/4
9	8PP-09011-.08	NUT HEX 1/4-20
10	4MA-00320-.00	INLET TRANSITION
11	4MA-12508-.00	CONE & UPPER CYL ASY
12		
13	25G-14750-.03	CABINET BASE COMPLETE
14	4MA-14729-.01	DUST DRAWER ASY
15	3EA-14773-.01	DOOR ASY COMPLETE
15A	8PP-09006-.06	WASHER FLAT 1/4
15B	8PP-18927-.00	THUMB SCREW 1/4-20 X 1 1/2
15C	8PP-18921-.00	RING RE TAINING 1/4
16	4MA-11155-.00	STRIKE PLATED
17	4MA-12401-.06	FM EXHAUST TRANS

PARTS SCHEDULE 30FB
NOTE: 30FB IS COMPOSED OF THE ABOVE
ITEMS (LESS ITEM 17) AND THE
FOLLOWING ITEMS

8	54	8BP-09003-03	BOLT HEX 1/4-20X 3/4
9	54	8BP-09010-08	NUT HEX 1/4-20
10	54	8BP-09011-02	NUT HEX 1/4-20
11	6MM	11694-02	PANEL END
12	4MA	12543-00	MANIFOLD ASY
13	4MA	12497-00	FB TRANSITION
14	4MA	11695-02	FILTER TUBE ASY
15	8BP	03005-00	CLAMP HOSE
PARTS SCHEDULE.....30 F.W. 55			
NOTES: SCHEDULE IS COMPOSED OF ALL			
ITEMS USED ON 30FM LESS ITEM			
PLUS ITEM 23 (55 BASE COMPLETE)			
23	1	1250-12629-01	55 BASE COMPLETE
24	4	4MA-10745-01	LEG ASY
25	2	8BP-12418-00	CLAMP HOSE
26	1	8BP-03009-00	FLEXIBLE HOSE
27	1	3EA-10417-00	DRUM COVER ASY
28	20	8BP-09008-04	BOLT HEX 3/8-16X1
29	20	8BP-09011-10	NUT HEX 3/8-16
30	3	6MM-10702-02	ANGLE INSERT

PARTS SCHEDULE..... 30 H B 55
NOTE: 30 FB 55 IS COMPOSED OF ALL
ITEMS ON 30 FB (LESS ITEM 13)
AND ITEM 23 (55 BASE COMPLETE)

PARIS SCHEDULE..... HOPPER'S
NOTE&HOPPER MODELS ARE COMPOSED OF
PARTS SCHEDULE 30FM OR 30FB
(LESS ITEM13) AND ITEM31

31	1	3EA-00305-04	HOPPER BASE ASY
			INCLUDES:
28	16	8PP-09008-04	BOLT HEX 3/8-16X1

29	16	8PP-09011-10	NUT HEX 3/8-16
32	4	4MA-10748-00	LEG ASY

PARTS SCHEDULE COMPOSITE
P.O. BOX 1299 • MINNEAPOLIS, MINNESOTA 55440

3D CYCLONE COLLECTIONS	
DRAWING: C. SWAGGERT	DRWG. 30-007
APP'D: L. PIERCE	NO. REV. 5-4-71