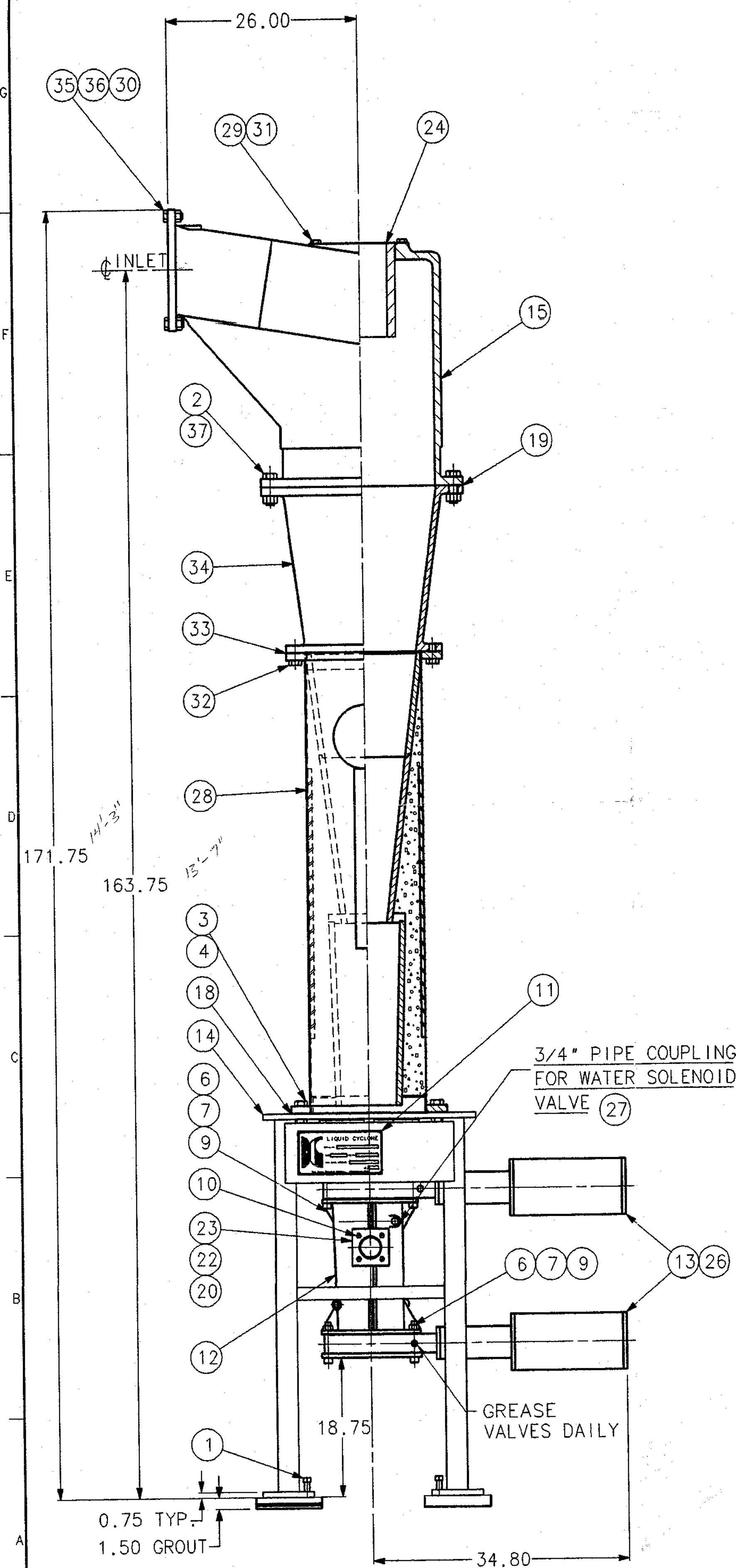


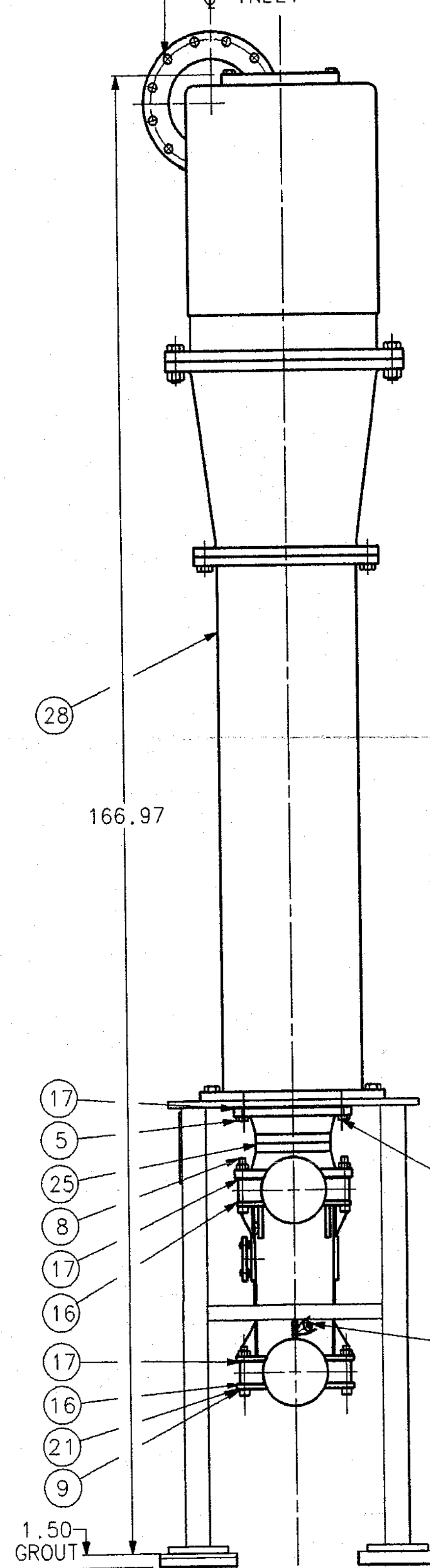
4001344CHT



10" FLANGE
12X Ø1.0 HOLES
ON Ø14-1/4" B.C.

8.00

INLET



PLAN VIEW
INLET CAN BE FIELD
POSITIONED IN 30° INCREMENTS
FROM POSITION SHOWN

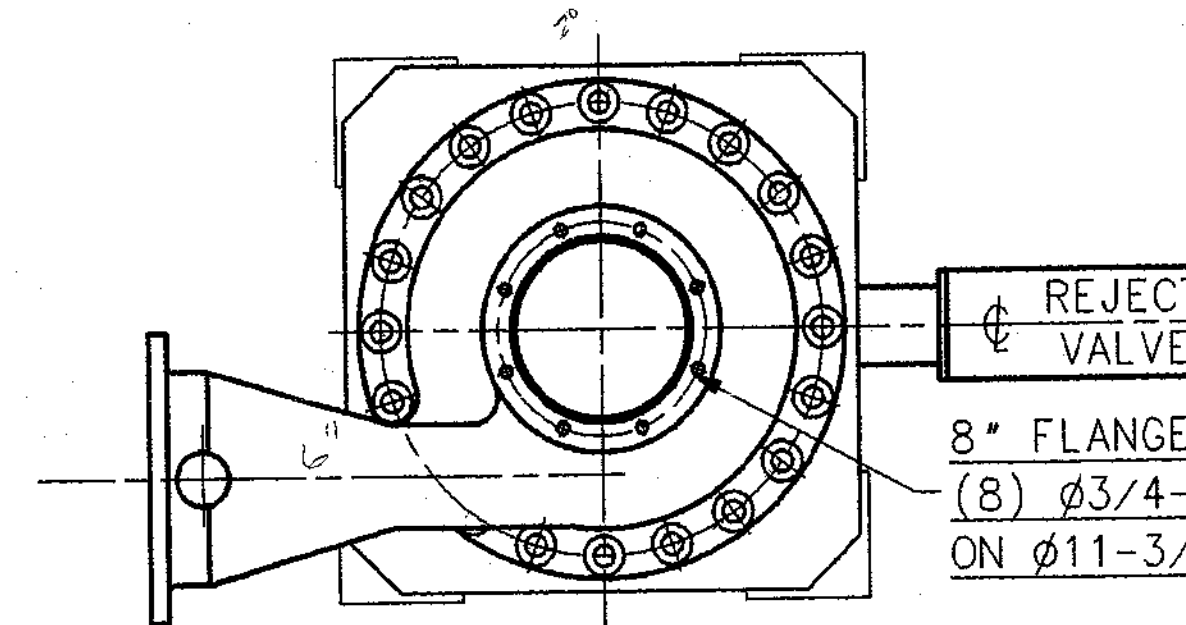
(2) 3/4" PIPE COUPLING
AT 180° FOR ELUTRIATION
INLET (SEE NOTE 1)

(2) 1/2" PIPE COUPLINGS
FOR WATER ADDITION TO
KEEP REJECTS SLOWLY
CIRCULATING (SEE NOTE 3)

PART NUMBER	DESCRIPTION	ITEM	MATERIAL
4001344-001	STANDARD ASSEMBLY	1502177	CAST IRON/BRONZE
4001344-002	PULPMILL, HIGH PH, HIGH CAUSTIC	1502178	CAST IRON

ITEM No.	DRAWING No. PART No.	QTY	MATERIAL	DESCRIPTION	ITEM No.	DRAWING No. PART No.	QTY	MATERIAL	DESCRIPTION
1	1006402	4	S.A.E. GR.2	SQ. HD. SET SCREW CUP PT.-3/4"-10NC-3A X 2 LG	20	2002216-001	1	EPDM	GASKET - 3 11/16 O.D. X 2 3/4 I.D.
2	1000906	20	S.A.E. GR.2	HEX HEAD CAP SCREW - 1 1/8"-7NC-2A X 4 1/2" LG	21	2005089	1	CARBON STEEL	FLANGE, SQUARE
3	1036808	12	CARBON STEEL	HEAVY HEX FULL NUT - 1"-8NC-2B	22	2005539	1	STEEL	PLATE, CLAMP
4	1000803	12	S.A.E. GR.2	HEX HEAD CAP SCREW - 1"-8NC-2A X 3 LG	23	2005540	1	PLEXIGLAS	SIGHT WINDOW
5	1000604	12	S.A.E. GR.2	HEX HEAD CAP SCREW - 3/4"-10NC-2A X 1 3/4 LG	24	2001813	1	ACI-CF8M	SLEEVE, WEAR
6	1002811	8	S.A.E. GR.2	SOCKET HD CAP SCREW - 3/4"-10NC-2A X 5 LG	25	2005510	1	ASTM A181 GR.1	NECK, REJECT
7	1036806	12	CARBON STEEL	HEAVY HEX FULL NUT - 3/4"-10NC-2B	26	3006904	1	*****	SUB-ASSEMBLY, PROXIMITY SWITCH
8	1002803	4	S.A.E. GR.8	SOCKET HD CAP SCREW - 3/4"-10NC-2A X 1 3/4 LG	27	3011385	1	*****	DIAGRAM, PIPING
9	1002801	12	S.A.E. GR.8	SOCKET HD CAP SCREW - 3/4"-10NC-2A X 1 1/4 LG	28	3007536	1	ALUM. OXIDE	CARTRIDGE, CONE
10	1001405	4	18-B STN. STL.	HEX HEAD CAP SCREW - 3/8"-16NC-2A X 1 1/2 LG	29	1042804	1	MASONITE	FLANGE PROTECTOR
11	3014276	1	*****	ASSEMBLY, PAINT AND NAMEPLATE LOCATIONS	30	1042805	1	MASONITE	FLANGE PROTECTOR
12	3006834	1	ASTM A48 CL.35	CHAMBER, REJECT	31	1000601	2	SAE GR. 2	HEX HEAD CAP SCREW- 3/4"-10NC-2A X 1" LG
13	SEE CHART	2	SEE CHART	VALVE, 8" LOHSE PULP TYPE CYL. OPERATED	32	1000802	12	SAE GR. 2	HEX HEAD CAP SCREW- 1"-8NC-2A X 2-1/2" LG
14	3006796	1	CARBON STEEL	BASE	33	2002094-006	1	GARLOCK	GASKET- 21 1/4 O.D. X 14 1/2 I.D.
15	3007080	1	ASTM A48 CL.35	HEAD, INLET	34	2001621	1	ASTM A48 CL.35	CONE, TOP
16	2005090	2	GARLOCK	GASKET, SQUARE	35	1000702	2	SAE GR 2	HEX HEAD CAP SCREW- 7/8"-9NC-2A X 2" LG
17	2002095-001	3	GARLOCK	GASKET - 11 O.D. X 8 I.D.	36	1036807	2	CARBON STEEL	HEAVY HEX FULL NUT- 7/8"-9NC-2B
18	2002094-059	1	GARLOCK	GASKET - 21 1/4 O.D. X 15.25 I.D.	37	1036809	20	CARBON STEEL	HEAVY HEX FULL NUT- 1 1/8"-7NC-2B
19	2002094-015	1	GARLOCK	GASKET - 27 1/2 O.D. X 20 I.D.					

(8) Ø3/4" ANCHOR BOLTS
2.50 ABOVE GROUT
BY CUSTOMER



8" FLANGE (OUTLET)
(8) Ø3/4-10NC X 1-3/8 DP.
ON Ø11-3/4 B.C.

NOTES:

- ELUTRIATION INLET: MIN. WATER SUPPLY PRESSURE MUST BE 10 P.S.I. GREATER THAN INLET PRESSURE AT 20 G.P.M. FOR MIN. STOCK LOSS IN REJECTS AT 0.8 TO 1.0% CONSISTENCY.
- MAX. INLET PRESSURE 100 P.S.I.
- WATER FLOW TO BE CONTROLLED BY HAND VALVE INSTALLED BY CUSTOMER. CHECK VALVES ARE RECOMMENDED TO PREVENT STOCK FROM PLUGGING WATER LINES IN EVENT OF PRESSURE LOSS.
- WEIGHT OF UNIT EMPTY - 3550 lbs. APPROX. WEIGHT WITH STOCK - 4500 lbs. APPROX. TOTAL DYNAMIC LOAD = 5640, OR 1410 LBS PER PAD
- NOMINAL OPERATING DATA
LIQUID CYCLONE RUFFCLONE
G.P.M.: 2000-2800 1500-2000
PRESSURE DROP: 20-35 P.S.I. 10-20 P.S.I.
- ACCEPT PRESSURE 5 - 10 P.S.I. MINIMUM

C.A.D. DRAWING DO NOT UPDATE MANUALLY			
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED			
STANDARD TOLERANCES UNLESS OTHERWISE SPECIFIED			
METRIC			
WHOLE NUMBER	±1	ONE PLACE DECIMAL	±0.04
TWO PLACE DECIMAL	±0.3	TWO PLACE DECIMAL	±0.01
THREE PLACE DECIMAL	±0.15	THREE PLACE DECIMAL	±0.005
ANGULAR	±0.5°	ANGULAR	±0.5°
THESE LIMITS DO NOT APPLY TO ASSEMBLY OR FOUNDATION PLAN DRAWINGS			
ORDER No.	REF. DRG. No.	D-184996	SUPERSIDES
SERIAL No.	USED ON		SUPERSIDED BY
CUSTOMER	WEIGHT		PATTERN No.
CONFIDENTIAL			
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5	REMOVED PREVIOUS REVISIONS	-	10-29-96	RJM	APP. BY
5	NOTE WAS CIRCULATION; 96-0901	B-6	10-29-96	RJM	APP. BY
No.	REVISION	ZONE	DATE	BY	CHKD. APP. BY
Black Clawson Company					
SHARPLE DIVISION / STOCK PREP SYSTEMS / PULP MILL PRODUCTS					
MIDDLETOWN, OHIO					
TITLE ASSEMBLY, NO.20 LIQUID CYCLONE - CAST IRON UNIT					
DRAWN	S.SMITH	DATE	16 JUL 1993	THIRD ANGLE PROJECTION	SCALE
CHECKED	E.SCHNEIDER	DATE			
APPROVED	S.LATTERY	DATE			
094	DRG. No. 4001344CHT	REV	5	SHEET	1 OF 1

INLET CL 192"
TOP FL 193.56" (16-1/2")