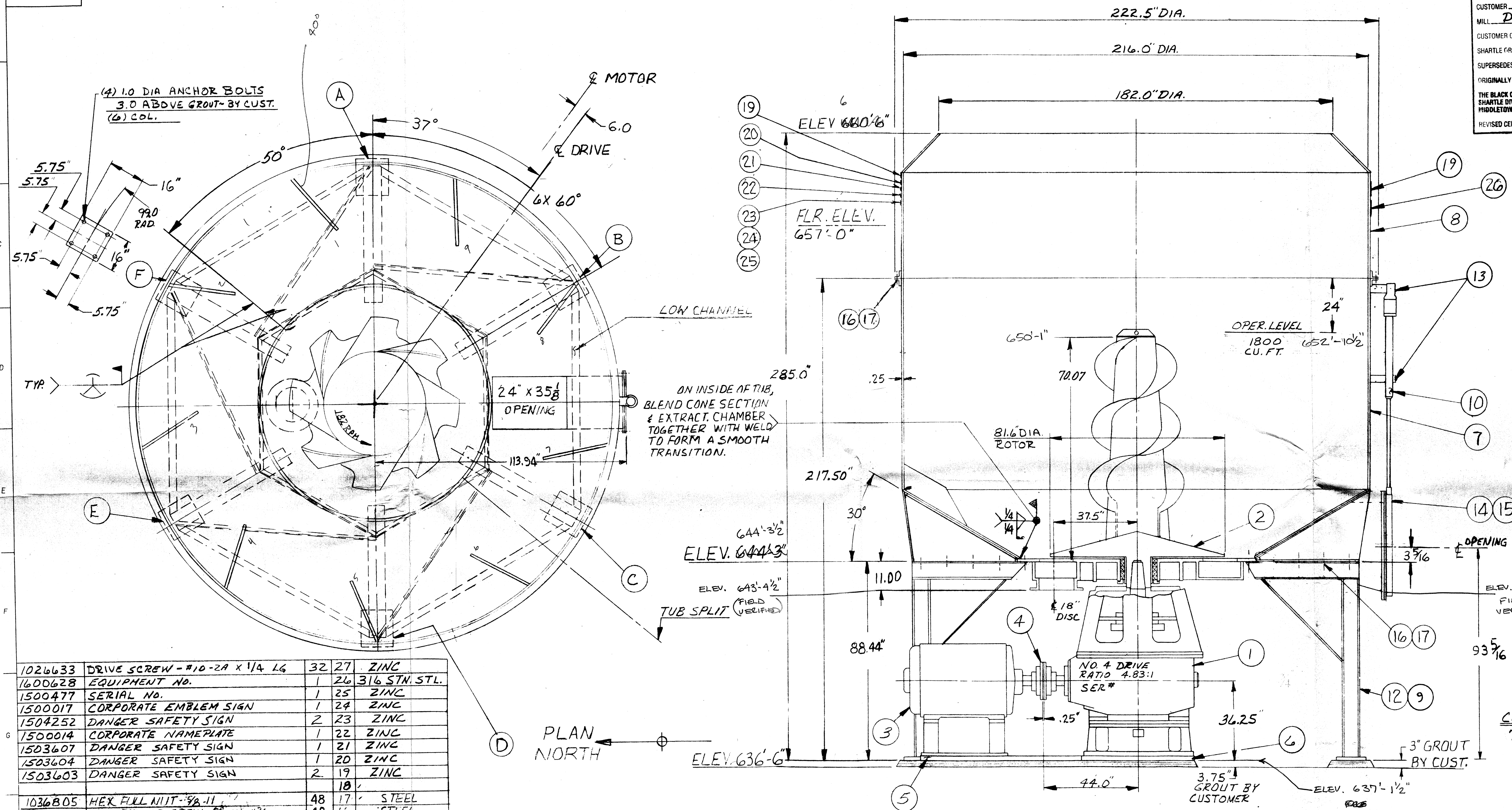


13692910

USED ON

THIS REVISED ISSUE IS CERTIFIED
FOR USE IN INSTALLATION OF EQUIPMENT

CUSTOMER	ECOFIBRE INC.
MILL	DEPERE W.I.
CUSTOMER ORDER	E10999.005
SHARTLE ORDER	1369291
SUPERSEDES DWG.	13692910 REV.2
ORIGINALLY CERTIFIED ON	1 NOV. 91
THE BLACK CLAWSON CO. SHARTLE DIV. MIDDLETOWN, OHIO	
REVISED CERTIFICATION DATE	2-10-92



1026633	DRIVE SCREW - #10-24 X 1/4 LG	32	27	ZINC
1600628	EQUIPMENT NO.	1	26	316 STN. STL.
1500477	SERIAL NO.	1	25	ZINC
1500017	CORPORATE EMBLEM SIGN	1	24	ZINC
1504252	DANGER SAFETY SIGN	2	23	ZINC
1500014	CORPORATE NAMEPLATE	1	22	ZINC
1503607	DANGER SAFETY SIGN	1	21	ZINC
1503604	DANGER SAFETY SIGN	1	20	ZINC
1503603	DANGER SAFETY SIGN	2	19	ZINC
1036805	HEX FULL NUT - #8-11	48	17	STEEL
1000504	HEX. HD CAPSCREW - #8-11 X 1 3/4 LG	48	16	STEEL
1036505	HEX FULL NUT - #8-11	17	15	STN. STL.
1001611	HEX. HD. CAPSCREW - #8-11 X 4\"	17	14	STN. STL.
1000604	HEX. HD. CAPSCREW - 3/4-10 X 1 3/4 LG	4	13	STEEL
3014015	SUPPORT STEEL	1	12	STEEL
3014036	DRIVE DIMENSION SHEET	1	11	STEEL
1504456	PAINT - HYTEK PRODUCT #23-2060 LIGHT BLUE	6	9	
3014011	TUB EXTENSION	1	8	316 L STN. STL.
3014012	TUB WELDMENT	1	7	316 L STN. STL.
X1120A1006	DRIVE BASE	REF	6	
X1120A1008	MOTOR BASE	REF	5	
1504348	COUPLING - FALK 1120T20	REF	4	
BY CUST.	MOTOR - 600 HP - 900 RPM	1	3	BY CUSTOMER
3014001	SUB ASSY - 81.6 DIA. ROTOR	1	2	
X1720FF410	NO. 4 DRIVE ASSY	REF	1	
PART NO.	DESCRIPTION	QTY	ITEM	MATERIAL

NOTES:

1. CUSTOMER TO FURNISH ALL ANCHOR BOLTS, WELD RODS, GROUT, PIPING, 600 HP - 900 RPM MOTOR & CONTROLS
2. TUB HALVES, SUPPORT STEEL, TIE CHANNEL TO BE FIELD WELDED BY CUSTOMER
3. CUSTOMER TO FURNISH GUARD RAILS AROUND PULPER FLOOR AND ALL FLOOR OPENINGS IN ACCORDANCE WITH U.S. DEPT. OF LABOR O.S.H.A. STANDARDS
4. SUPPORT STEEL SWAY BRACING TO BE WELDED BETWEEN SUPPORT COLUMNS AS SHOWN IN PLAN VIEW
5. TUB EXTENSION MADE & SHIPPED IN 2 - 180\"
6. PAINT CARBON STEEL ONLY.

TYPICAL ELEVATION
ALL PARTS NOT SHOWN IN TRUE VIEW

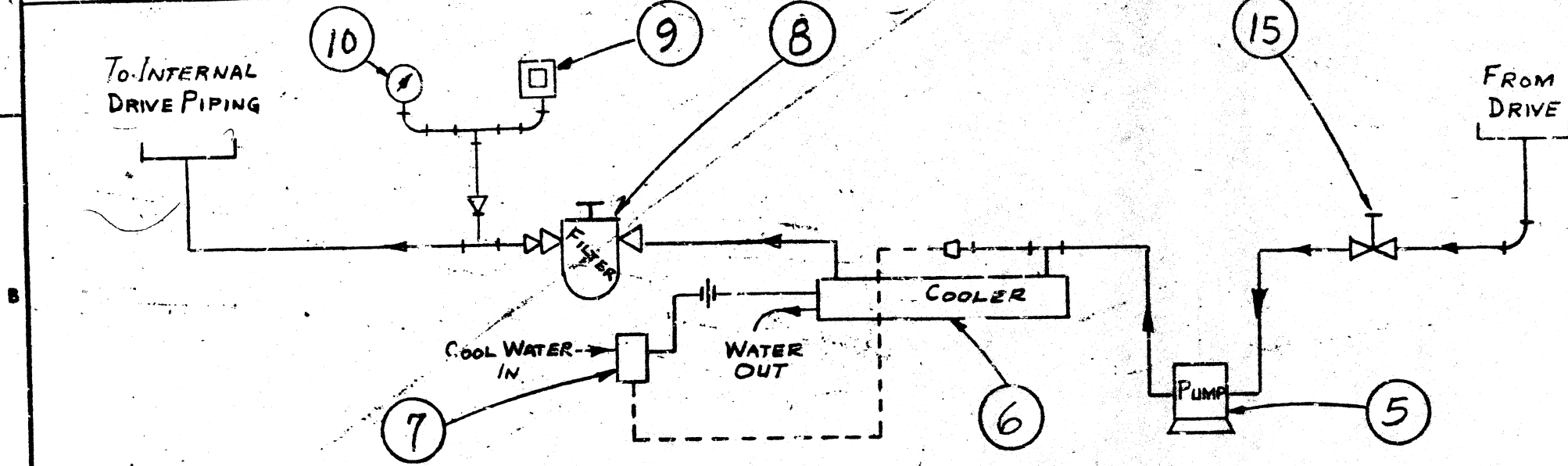
TOLERANCES UNLESS OTHERWISE SPECIFIED		CUSTOMER ECOFIBRE INC.	
METRIC		SER. NO. P91-3604	
FULL NO. ± 1.0		SHOP ORDER 1369291	
1 PLC. DEC. ± 0.25		THE BLACK CLAWSON COMPANY	
2 PLC. DEC. ± 0.12		MIDDLETOWN, OHIO	
ANGULAR ± 0.5°		SHARTLE DIVISION / STOCK PREPARATION SYSTEMS / PULP MILL PRODUCTS	
INCH		DATE: 4/24/91	
1 PLC. DEC. ± 0.04		SUBJECT ASSY-18 BATCH HYDRAPULPER	
2 PLC. DEC. ± 0.01		SCALE: 1/2\"	
3 PLC. DEC. ± 0.005		DRAWN BY: JOHN THOMAS	
ANGULAR ± 0.5°		CHECKED BY: [Signature]	
THIRD ANGLE PROJECTION		APPROVED BY: [Signature]	
CONFIDENTIAL		PATT. NO.:	
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WEIGHT - lbs.		DATE:	
		BY:	
		SUPERSEDES:	
		DATE:	
		BY:	
		REV. NO.:	
		REF. DWG.: D185254	
		SHEET: 1 OF 1	

COLUMN LOADS
75,000 LBS.THIS PRINT ISSUED
FEB 13 1992

S. J. BAISCH ASSOCIATES

06FEB92	3	ADDED NOTE #6 - PAINT SPEC J-5	REV. 8/1	J.V.
06FEB92	3	ADDED P/N 1504456 (ITEM 9) BOM	REV. 5	J.V.
11/1/91	2	REMOVED STEEL WELDMENT	H-2	J.T.
5 NOV 91	1	RELOCATED & DRIVE	B-5	LEO
DATE	NO.	REVISION	ZONE	BY
				CKD. MA

DATE	NO.	REVISION	ZONE	BY	CHK	DATE	NO.	REVISION	ZONE	BY	CHK
1-21-83	1	REMOVED #1 FLOW SWITCH & CHG. QUAN. OF #16 FROM 2 TO ONE	C-1	EV	FA	10-87	4	ITEM 10 WAS 0-30 PSI GAUGE	-	BH	ALM
1-24-85	2	CHG. QUAN. ITEM #12 WAS 2, CHG. ITEM 30 WAS FEMALE ADAPTER	B-1	EV	FA	1-88	5	ADDED X-NO. FOR ITEMS 47 AND 48	-	BA	W
2-4-86	3	ADDED DNG # TO ITEM 20	A-1	EV	FA	10-88	6	P/N'S 1013219 WAS 2002591	BA	W	FR
								1013317 WAS 2002581			



EXTERNAL PIPING SCHEMATIC

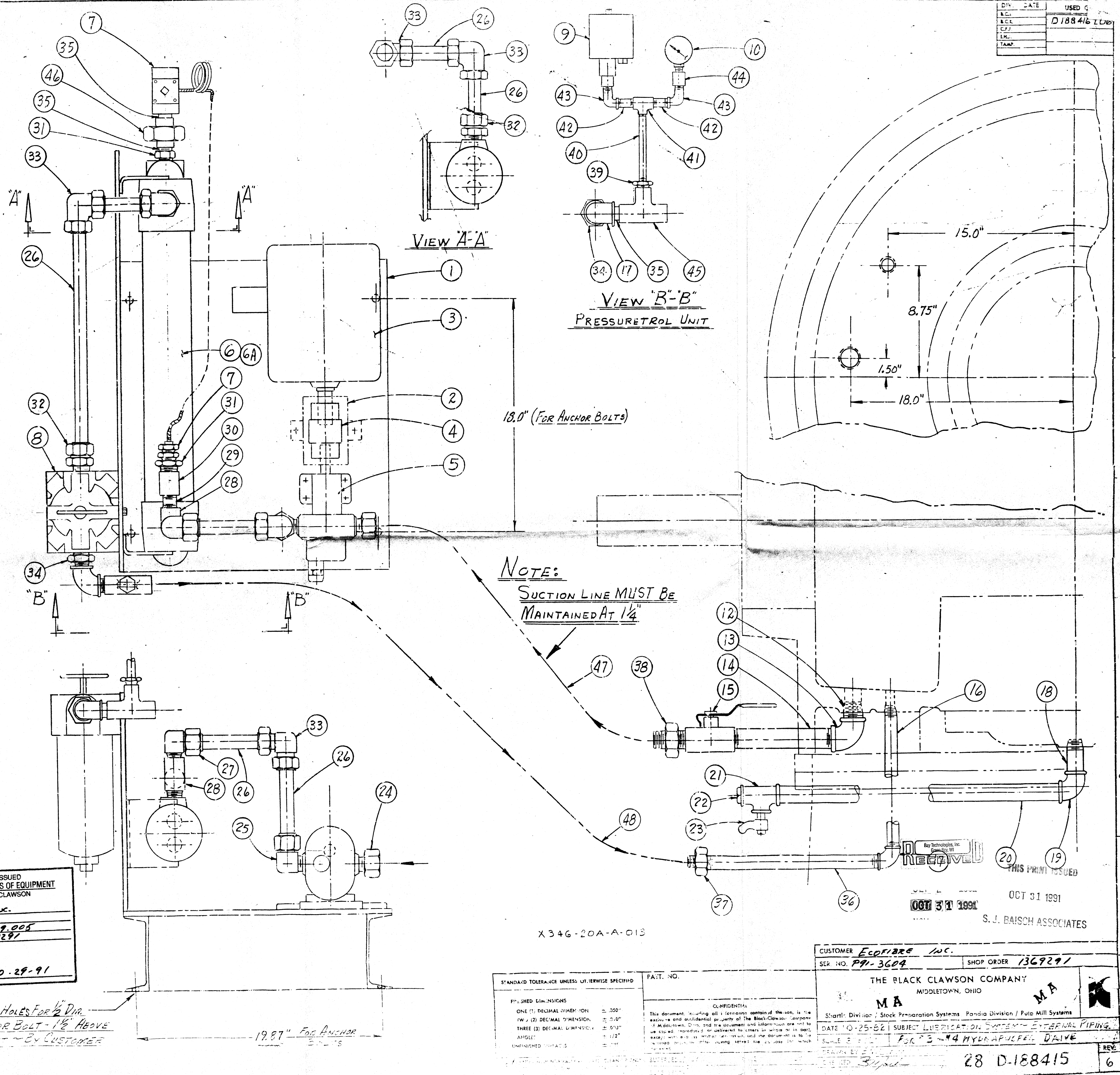
- NOTES: 1.- OIL PUMP MOTOR DATA-2HP@1200RPM- FRAME 184T
- 2.- RECOMMENDED OIL ~ DRIVE REQUIRES OIL WHICH MEETS AGMA 5EP STD. OIL CAPACITY: #3 DRIVE ~ 34 GALS., #4 DRIVE 45 GALS.
- 3.- COUPLING DATA ~ MOTOR HALF BORE ~ 1 1/8" DIA. ~ 1/4" X 1/8" KEYWAY PUMP HALF BORE ~ 3/4" DIA. ~ 3/16" X 3/32" KEYWAY
- 4.- OIL PUMP RPM-1200., PRESSURE TROL SETTING-CUT IN 18, CUT OUT 15 OIL PRESSURE 20-30 PSI @ WORKING TEMP., TEMPERATURE CONTROL SETTING-110°F

REF		A-181442	WIRING DIAGRAM & PRESSURE CONTROL
1		X20720HP005	48 HOSE ASSY-12KR-12MP-12FJ-72 LENZ
1		X20720HP004	47 HOSE ASSY-20KR-20MP-20FJ-72 (LENZ)
1	STEEL	1012105	46 3/4" STD. PIPE UNION
1	STEEL	1012405	45 3/4" PIPE TEE
1	STEEL	1010602	44 1/2" STD. COUPLING
2	STEEL	1011702	43 1/2" STREET ELBOW
2	STEEL	1012903	42 1/4" PIPE NIPPLE X 2" LG.
1	BLACK IRON	1066402	41 1/2" X 1/2" X 1/2" PIPE TEE
1	STEEL	1013010	40 3/8" PIPE NIPPLE X 6 LG.
1	STEEL	1009508	39 3/4" X 3/8" HEX. BUSHING
1	STEEL	1040421	38 MALE ADAPTER #3105-20 (LENZ)
1	STEEL	1501143	37 FEMALE ADAPTER #3255-12 (LENZ)
1	STEEL	1013219	36 PIPE NIPPLE - 150" 3/4 NPT X 1/4"
3	STEEL	1013201	35 3/4" CLOSE NIPPLE
1	STEEL	1501171	34 1/2-16 RPN (RED. PIPE NIPPLE)-LENZ 1"-3/4"
3	STEEL	1039509	33 500-16 ELBOW UNION-LENZ (1")
2	STEEL	1035321	32 100-16 MALE CONNECTOR-LENZ (1"-1")
2	STEEL	1009511	31 1" X 3/4" HEX. BUSHING
1		1010606	30 1" STD. COUPLING
1	STEEL	1013302	29 1" PIPE NIPPLE X 2" LG.
1	STEEL	1501176	28 1/6" STREET TEE-LENZ (1 1/2" X 1")
1	STEEL	1035920	27 400-16 MALE ELBOW-LENZ
1	1010121 STL C.D.	1034530	26 1" TUBING X .035" WALL X 50" LG. (CUT TO SUIT)
1	STEEL	1035921	25 400-16-12 MALE ELBOW-LENZ
1	STEEL	15001148	24 1/2-20 PRC (LENZ-PIPE RED. COUPL.) 3/4"-1 1/2"
1		1500464	23 3/8" DRAIN COCK
1	STEEL	1010306	22 1" PIPE PLUG
1	BLACK IRON	1066407	21 1" X 1" X 3/8" TEE
1	STEEL	1013317	20 PIPE NIPPLE - 150" 1" NPT X 24"
1	STEEL	1011306	19 1"-90° ELBOW
1	STEEL	1013304	18 1" PIPE NIPPLE X 3" LG.
2	STEEL	1011305	17 3/4"-90° ELBOW
1	STEEL	1013211	16 3/4" PIPE NIPPLE X 1" LG.
1	316 STN STL	1050206	15 APOLLO BALL VALVE #73-106
1	STEEL	1013414	14 1 1/4" PIPE NIPPLE X 9" LG.
1	STEEL	1011307	13 1 1/2"-90° ELBOW
1	STEEL	1013401	12 1 1/4" CLOSE PIPE NIPPLE
		11	
1	E2	1501101	10 ASACRET GAUGE - #1009-A, 0-60 PSI
1		X30435HP001	9 PRESSURE TROL UNIT-ALLEN BRADLEY
1		X18220AP003	8 CUNO FILTER-1" TYPE EG (8 1/4" CTG)
1		1500467	7 WATER CONTROL VALVE V47AC-8-B-13-15-16
1		1071506	6 OIL COOLER #161-03-024-003 MOUNTING FOOT #3-225-5-03-101-02
1		1047503	5 3" BROWN SHARP PUMP R/R Y RELIEF VALVE
1		1501524	4 COUPLING - FCR-25 (EOSTON)
1		X23320AP001	3 2HP MOTOR S1200 RPM
1	ICADY STEEL	A-188413	2 COUPLING GUARD
1	STEEL	C-188414	1 LUBE BASE

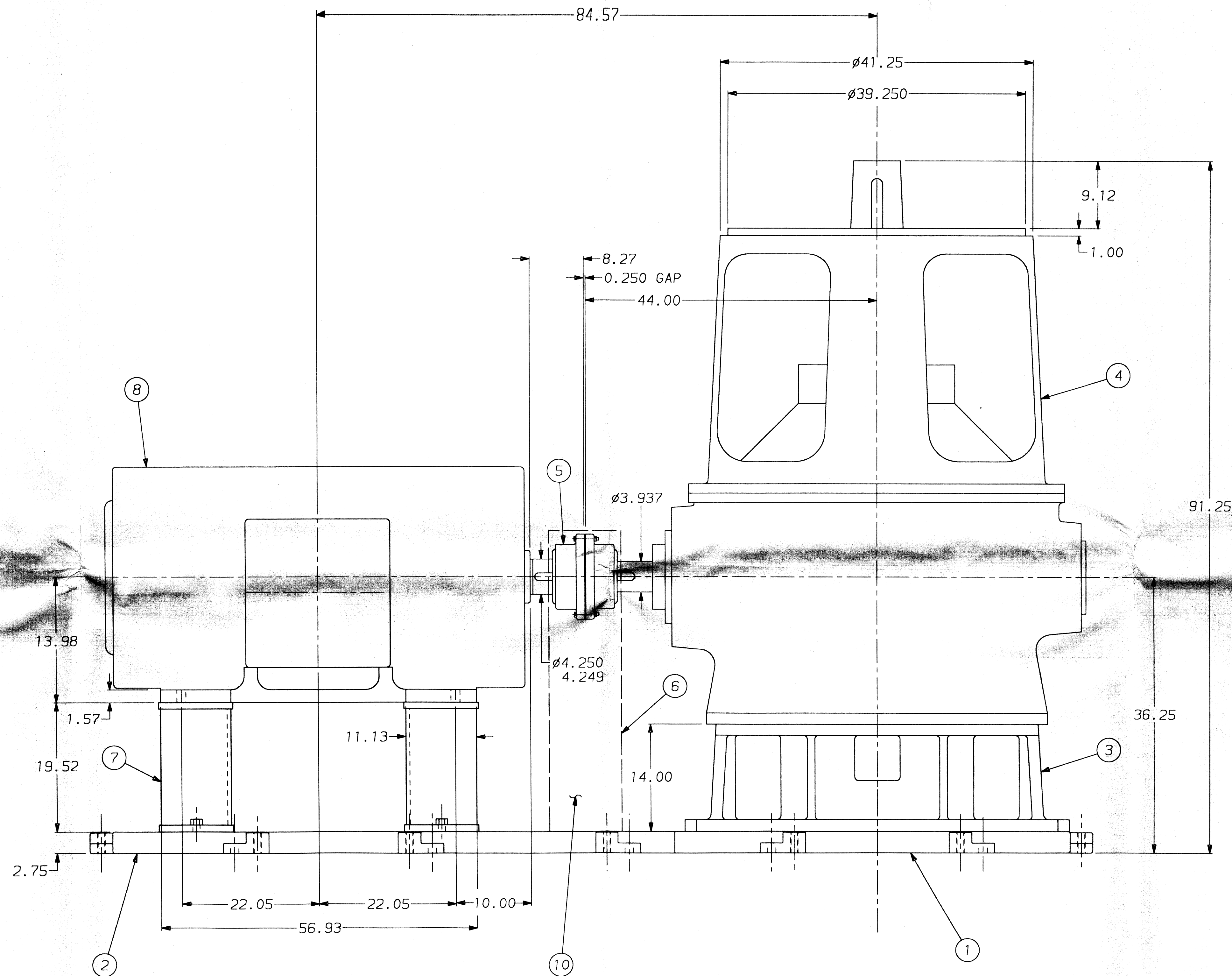
THIS DRAWING IS ISSUED TO CERTIFY THE DIMENSIONS OF EQUIPMENT SUPPLIED BY BLACK CLAWSON

CUSTOMER: **ECOFIBRE INC.**
MILL: **DEPERE WI**
CUSTOMER ORDER: **EL0999.005**
SHARTLE ORDER: **1369297**
THE BLACK CLAWSON CO.
SHARTLE DIV.
MIDDLETOWN, OHIO
DATE OF CERTIFICATION: **10-29-91**

(4) - 5/8" DIA. HOLES FOR 1/2" DIA. ANCHOR BOLT - 1/8" ABOVE GRANT - BY CUSTOMER



STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	PART. NO.
FINISHED DIMENSIONS	CONFIDENTIAL
ONE (1) DECIMAL DIMENSION	± .030"
TWO (2) DECIMAL DIMENSION	± .010"
THREE (3) DECIMAL DIMENSION	± .005"
ANGLE	± 1/2°
UNFINISHED DIMENSIONS	± .005"



THIS REVISED ISSUE IS CERTIFIED
FOR USE IN INSTALLATION OF EQUIPMENT

CUSTOMER ECOFIRE INC.
MILL DEPERE W.I.
CUSTOMER ORDER ELO999.005
SHARTE ORDER 1369291
SUPERSEDES DWG NO 3014036-1
ORIGINALLY CERTIFIED ON 12 Nov. 91

THE BLACK CLAWSON CO.
SHARTE DIV.
MIDDLETOWN, OHIO

REVISED CERTIFICATION DATE 2-10-92

RECEIVED

RECEIVED
FEB 13 1992
FEB 13 1992
S. J. BAISCH ASSOCIATES

3	ADDED P/N 3014232 (ITEM #11)	BOM	06FEB92	DKN	SM	AC
2	ADDED DIM. 'S 14,24 & C DRIVE	C-7	11/11/91	JT	SM	AC
1	ITEM #4 WAS X174420AA410	G-9	11/6/91	JT	SM	*
No.	REVISION	ZONE	DATE	BY	CHKD	SHT. No. 1990, 1991



Black Clawson Company
 SHARTLE DIVISION / STOCK PREP SYSTEMS / PULP MILL PRODUCTS
 MIDDLETOWN, OHIO

TITLE DRIVE DIMENSION SHEET - FOR
HYDRAPULPER # 4 DRIVE

DRAWN JOHN THOMAS	DATE 16 OCT 1991	THIRD ANGLE PROJECTION	SCALE
CHECKED SAM	DATE 01 NOV 1991		1/8
APPROVED *	DATE *		

GT	DRG. No. 3014036-1	REV 3	SHEET 1 OF 2
----	--------------------	----------	-----------------

C.A.D. DRAWING DO NOT UPDATE MANUALLY
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED
STANDARD TOLERANCES UNLESS OTHERWISE SPECIFIED

<u>METRIC</u>	<u>INCH</u>
WHOLE NUMBER ± 1	ONE PLACE DECIMAL ± 0.04
ONE PLACE DECIMAL ± 0.3	TWO PLACE DECIMAL ± 0.01
TWO PLACE DECIMAL ± 0.15	THREE PLACE DECIMAL ± 0.005
ANGULAR $\pm 0.5^\circ$	ANGULAR $\pm 0.5^\circ$

THESE LIMITS DO NOT APPLY TO ASSEMBLY OR FOUNDATION PLAN DRAWINGS

ORDER No. ---	1369291	REF DRG No. 3010883	SUPERSEDES ---
SERIAL No. ---	P91-360A	USED ON ---	SUPERSEDED BY ---
CUSTOMER ---		WEIGHT ---	PATTERN No. ---

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FEB 13 1988

THIS REVISED ISSUE IS CERTIFIED
FOR USE IN INSTALLATION OF EQUIPMENT

CUSTOMER ECOFIBRE INC.
MILL DEPERE, WI
CUSTOMER ORDER EL0999-005
SHARTLE ORDER 1369291
SUPERSEDES DWS TO: 3014036-2
ORIGINALLY CERTIFIED ON 12 NOV. 91

THE BLACK CLAWSON CO.
SHARTLE DIV.
BOWLETTOWN, OHIO

REVISED CERTIFICATION DATE 2-10-92 THIS

FEB 13 1992

S. J. BAISCH ASSOCIATES

RECEIVED
FEB 12 1992
S. J. BAIER ASSOCIATES

C.A.D. DRAWING DO NOT UPDATE MANUALLY				* SEE SHEET #1		* * * * *
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED STANDARD TOLERANCES UNLESS OTHERWISE SPECIFIED				No.	REVISION	ZONE DATE BY CHKD SHI. NO. APP'D.
METRIC		INCH		Black Clawson Company SHARTELE DIVISION / STOCK PREP SYSTEMS / PULP MILL PRODUCTS MIDDLETOWN, OHIO		
WHOLE NUMBER #1		ONE PLACE DECIMAL .04				
ONE PLACE DECIMAL .03		TWO PLACE DECIMAL .01				
TWO PLACE DECIMAL .015		THREE PLACE DECIMAL .005				
ANGULAR .05°		ANGULAR .01°				
THESE LIMITS DO NOT APPLY TO ASSEMBLY OR FOUNDATION PLAN DRAWINGS						
ORDER No. 13429	REF DRG No. 3010883	SUPERSEDES ---				
SERIAL No. P41-304	USED ON ---	SUPERSEDED BY ---				
CUSTOMER ---	WEIGHT ---	PATTERN No. ---				
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APPROVED BY				DRAWN JOHN THOMAS DATE 16 OCT 1991 THIRD ANGLE PROJECTION SCALE 1/8" CHECKED SAM DATE 01 NOV 1991 DATE ---		
GT DRG. No. 3014038-2				REV SHEET 3 OF 20		

