

- 8 7 6 5 4 3 2 1
- NOTES:
1. MOTOR AND DRIVE SHEAVE PER ORDER.
 2. SEE SHEET 3 FOR SECTION A-A, SECTION THRU DRIVE AND TYP. SCOTCH-PLY CONN. TO CASE AND BASE.
 3. INLET & DISCH. STOCKINGS, PC.78, AND CLAMPS, PC.79, TO BE SHIPPED LOOSE.
 4. REFER TO MANUAL FOR INLET AND DISCH. STOCKINGS INSTALLATION. 11" TO 12" DISTANCE BETWEEN CONNECTING FIXTURES.
 5. THIS MACHINERY MUST BE EFFECTIVELY GROUNDED FOR PERSONNEL SAFETY IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE ARTICLE 250.
 6. SCREENER SHOULD BE INSTALLED ON A FIRM AND LEVEL FOUNDATION, OR SUSPENDED FROM RIGID STEEL FRAMEWORK CAPABLE OF WITHSTANDING VIBRATIONS AND HORIZONTAL LOADS. IT IS RECOMMENDED THAT THESE DYNAMIC LOADS BE DOUBLED FOR DESIGNING THE SUPPORTING STRUCTURE. PLEASE CONSULT A STRUCTURAL ENGINEER FOR THE PROPER DESIGN OF THE SUPPORTING STRUCTURE. STATIC LOADS & DYNAMIC FORCES, STATIC LOAD = 2,200 LB. DRIVE END. = 1,800 LB. DISCHARGE END. VERTICAL DYNAMIC FORCE = 100LB. MAX. EACH CORNER. HORIZONTAL DYNAMIC FORCE (FORE TO AFT) = 600 LB. FORCE (SIDE TO SIDE) = 250 LB. NOTE: (HORIZONTAL DYNAMIC LOADS REVERSE DIRECTION, FORE TO AFT AND SIDE TO SIDE, ONCE EVERY CYCLE.) ALSO CONSULT OPERATION MANUAL. THE SUPPORTING STRUCTURE MUST BE SUFFICIENTLY RIGID, WITH A NATURAL FREQUENCY OF AT LEAST FOUR (4) TIMES GREATER THAN THE CYCLIC FREQUENCY OF ROTO-SHAKER OR, ALTERNATIVELY, THE SUPPORT SHOULD BE DESIGNED TO HAVE A NATURAL FREQUENCY NO MORE THAN TWO-THIRDS (2/3) THE FREQUENCY OF THE ROTO-SHAKER. THE CYCLIC FREQUENCY OF THE ROTO-SHAKER IS TWO (2) TIMES THE RPM. BASE MOUNTING INSTALLATION = 195 RPM. CABLE SUSPENSION INSTALLATION = 215 RPM.
 7. SAFETY RULES SHIPPED WITH UNIT MACHINE TO BE POSTED IN A CONSPICUOUS LOCATION IMMEDIATELY ADJACENT TO UNIT MACHINE.
 8. REF. SCOTCH-PLY PER DWG. A2427-134. REF. BALANCE WEIGHT PER DWG. B3840-031. REF. SCREEN PER DWG. D5069-005. REF. BALL, CLEANER, 1-3/8 DIA. PER DWG. A1142-064.
 9. UNDER NO CIRCUMSTANCES SHOULD THE CIRCLE OF GYRATION, SPEED OR ROTATING MASS WEIGHT BE CHANGED. THE ROTATING MASS WEIGHT INCLUDES THE CASE, HOPPER, SCREEN FRAMES AND TOP COVERS. LOAD BEARING CONNECTIONS AT INLET AND DISCHARGES OR OTHER MODIFICATIONS MAY CAUSE INEFFICIENT UTILIZATION OF SCREEN SURFACE. PREMATURE FAILURE OF DRIVE COMPONENTS, AND STRUCTURAL DAMAGE TO THE ROTATING MASS.

QUANTITIES ARE FOR ONE UNIT			
PC NO	DESCRIPTION	PATT NO	MATL SPEC
10 10 59	SCREW, CAP, HEX, HD, 3/8-16UNC x 4" LG.	18-8 SST	UA34975
10 10 60	NUT, 3/8-16UNC HEX	18-8 SST	UA34977
4 4 61	COVER, INSP. HOLE	ALUM.	B3325-000-00
4 4 62	SCR, CAP, HEX HD, 3/8 X 2 LG.	GR5	STL UA45971
1 1 63	BUSHING, "SH", 1 1/8 B. 1/4 X 1/8 K.S.		UA29678
2 2 64	V-BELT, A75		UA56049
1 1 65	GUARD, DRIVE, MOTOR	STL	C3891-072-00
1 1 66	GUARD, DRIVE, TOP	STL	C3891-073-01
1 1 67	GUARD, DRIVE, BOTTOM	STL	C3891-074-00
1 1 68	GUARD, DRIVE, BOTTOM	STL	C3891-075-00
25 25 69	SCR, CAP, HEX HD, 3/8 X 3/4 LG.	GR5	STL UA44554
1 1 70	GUARD, BAL. WT.	STL	C3891-186-00
2 2 71			
2 2 72	PLATE, NAME, MFG.		PER ORDER
1 1 73	PLATE, NAME AND SERIAL NO.		B0480-021/01
1 1 74	PLATE, ELECTRICAL CAUTION, DECAL (B2735-505/02)	VINYL	H6010/6011-4LHPT
4 4 75	PLATE, SAFETY, DECAL, ROT. BELTS (B2735-502/02)	VINYL	H1090/6011-M4WHPT
6 6 76	PLATE, SAFETY, DECAL (B2735-503/02)	VINYL	H1080/6011-3MWHPT
4 4 77	SCR, DRIVE, TYPE "U", NO. 4 X 1/4 LG.	CD PL	UA46370
5 5 78	STOCKING, 8" DIA. X 16 LG. POLYURETHANE		B4506-017/02
10 10 79	CLAMP, AERO-QUIP NO. GS200-M140S	SST	UA27541
30 30 80	WASHER, PLAIN, 1/2	18-8SST	UA36514
30 30 81	NUT, HEX, 1/2	18-8SST	UA27137
1 1 82	FIT "G", PIPE, SCR "D", 90° ELBOW, 1/8	M.I.	UA01608
1 1 83	WEAR PLATE ASSY		B3943-090-00
1 1 84	MOTOR, 1/2 HP, 1200 RPM		(PER ORDER)
1 1 85	SHEAVE, DRIVER, 2 GRV. A SECT. SH HUB		(PER ORDER)

QUANTITIES ARE FOR ONE UNIT			
PC NO	DESCRIPTION	PATT NO	MATL SPEC
03 02 01 00			
01	ROTO-SHAKER, 3 1/2 X 7 THREE DECK IND.		
02	SCRN. FR. V/CLEANERS		
03	ROTO-SHAKER, 3 1/2 X 7 THREE DECK IND.		
04	SCRN. FR. W/O CLEANERS		
05	BASE		
06	BARREL ASSY.		
07	SCR, CAP, HEX HD, 3/4 X 2 1/4 LG.	GR5	STL UA09466
08	WASHER, LOCK, 3/4 SPLIT		STL UA01364
09	NUT, 3/4 HEX		STL UA24949
10	BRG., FLG., FAFFNR TYPE RCJC, 1 15/16 B.		UA50381
11	WASHER, LOCK, 1/2 SPLIT		STL UA01365
12	WASHER, PLAIN, 1/2		STL UA01349
13	SCR, CAP, HEX HD, 1/2 X 1 3/4 LG.	GR5	STL UA44553
14	CATCH, COVER CLAMP		STL A2672-000/01
15	FTG., PIPE, SCR, D., COUPLING, 1/8		STL UA39901
16	FTG., GREASE, STR, THD, 1/8, ALEMITE NO. 1607		STL UA45426
17	BRG., FLG., REYNORD #XG203, 2-3/16 BORE		B4506-001/01
18	SCR, CAP, HEX HD, 5/8 X 1 3/4 LG.	GR5	STL UA45637
19	WASHER, LOCK, 5/8 SPLIT		STL UA01366
20	WASHER, PLAIN, 5/8		STL UA01362
21	STRAP, 1/2" PIPE		STL UA02415
22	WASHER, 3/8 FLAT, HEAVY IND. STD. #MS15795-815	18-8SST	A2427-183/01
23	SHAFT, DRIVE		STL B3835-017/01
24	KEY, STR, SQ/RO END, 5/8 SQ. X 1 LG.		CFS A2375-270/03
25	KEY, STR, SQ/RO END, 3/8 SQ. X 2 3/8 LG.		CFS A2375-250/16
26	BUSHING, "SK", 1 3/4 B. 3/8 X 3/16 K.S.		UA29640
27	SHEAVE, DRIVER, 18, 0A-18, 4B P.D., 2 GR..		
28	"SK" HUB		UA44709
29	HOSE, FLEX LUB, 18" LG., LINCOLN NO. 75918	RUBBER	UA47437
30	NUT, HEX, 1/2		STL UA24946
31	SCR, CAP, HEX HD, 1/2 X 5 LG.	GR5	STL UA45750
32	SCR, CAP, HEX HD, 1/2 X 2 LG.	GR5	STL UA02694
33	BRACKET, PIN		STL B3840-032-00
34	WASHER, LOCK, 1" SPLIT		STL UA01367
35	SCR, CAP, HEX HD., 1" X 2-1/4 LG.	GR5	STL UA45648
36	WASHER, PLAIN, 1" DIA.		STL UA01358
37	SCR, CAP, HEX HD, 5/8 X 2 1/2 LG.	GR5	STL UA43627
38	NUT, HEX, 5/8		STL UA24948
39	CASE		STL D3081-179-00
40	HOPPER, CASE		STL D3081-075-00
41	SCR, CAP, HEX HD, 3/8 X 1 LG.	GR5	STL UA45695
42	WASHER, LOCK, 3/8 SPLIT		STL UA01363
43	NUT, HEX, 3/8		STL UA24944
44	PLATE, RETAINER, 3/4" THK.		STL A2427-113/02
45	PLATE, RETAINER, 1/4" THK.		STL A2427-113/01
46	SPACER, POLYETHYLENE		A2427-114/01
47	SCR, CAP, HEX HD, 3/8-16UNC X 3-1/4 LG. GR5		STL UA45609
48	SCR, CAP, HEX HD, 3/8-16UNC X 3-3/4 LG. GR5		STL UA45699
49	WASHER, PLAIN, 3/8		STL UA01348
50	FRAME, IND. SCR., W/CARRIER WIRE		STL D3129-032-00
51	FRAME, IND. SCR., W/O CARRIER WIRE		STL D3129-032-01
52	COMPONENT ASSY., SCR., FR. V/CLEANERS		C4210-082-00
53	COMPONENT ASSY., SCR., FR. W/O CLEANERS		C4210-082-01
54	COMPONENT ASSY., SCR., FR. BTM. DECK V.CLN.		C4210-082-02
55	RETAINER, SCR.		STL B3943-029/01
56	BOLT, RD HD CARRIAGE, 1/2 X 4 LG.	18-8SST	UA46895
57	SPRING, 1 X 1 1/2 EXTRA H.D.		CH. VAN UA26313
58	COVER, TOP	CD, PL.	D4052-029-00
59	HANDLE, ASSY.	ALUM.	A2462-041/01
60	SCR, CAP, HEX HD, 5/16 X 2 1/2 LG.	SST	UA45798
61	NUT, LOCK, FULL HGT, 5/16 HVY HEX	SST	UA50153

SUPERSEDES
DWG D1593-206

REF. DWG. D1593-206

REV	DESCRIPTION	DATE	BY	REV	DESCRIPTION	DATE	BY	REV	DESCRIPTION	DATE	BY	REV	DESCRIPTION	DATE	BY
1	SEE SHEET 2 & 3	06/09/00	GMA	1	ADD PC. 12	06/09/00	GMA	1	QMT PC. 71 NOV PC. 69	09/29/98	GMA	1	PC. 13 WAS QTY. 2	09/29/98	GMA
2	PC. 61 WAS QTY. 2			2	PER DCR #380262	09/29/98	GMA	2	PC. 69 WAS QTY. 21			2	PC. 12 NOV PC. 20		
3	PC. 60 WAS UA28896			3	SEE SHEET 2 & 3			3	PC. 83 WAS UA45894			3	PC. 10 WAS QTY. 34		
4	PC. 59 WAS UA45799			4	REV. NOTE#6 ADD RPH			4	PC. 27 WAS QTY. 31			4	PC. PER ECD #377754	10/17/91	GMA
5	ADD PC. 83, 84, 85	09/27/04	FMD	5	ADD PC. 80, 81 & 82			5	PC. 26 WAS QTY. 2			5	PC. 14 WAS QTY. 3		
6	PER DCR #284412	06/09/00	GMA	6	PC. 10 WAS 14 47158			6	PC. 72 WAS 1040-103/01			6	PC. 19 WAS A1142-068/01		

ROUGH EST. WEIGHT LBS.	18-8 SST
FINISH EST. WEIGHT LBS.	18-8 SST
TOLERANCES - UNLESS OTHERWISE NOTED	
MACHINING	.0005"
FABRICATION	.001"
CASTING	.005"
MACHINED FILLET RADIUS	.04"
MAX MACHINED SURFACE ROUGHNESS	125

BY	DATE	SCALE	ORDER NO
DR. GMA	10/09/00	NONE	184339
APV.	MHS	10/09/00	SHEET 1 OF 3
APV.	RCS	10/09/00	D1593-215

DISTRIBUTION:

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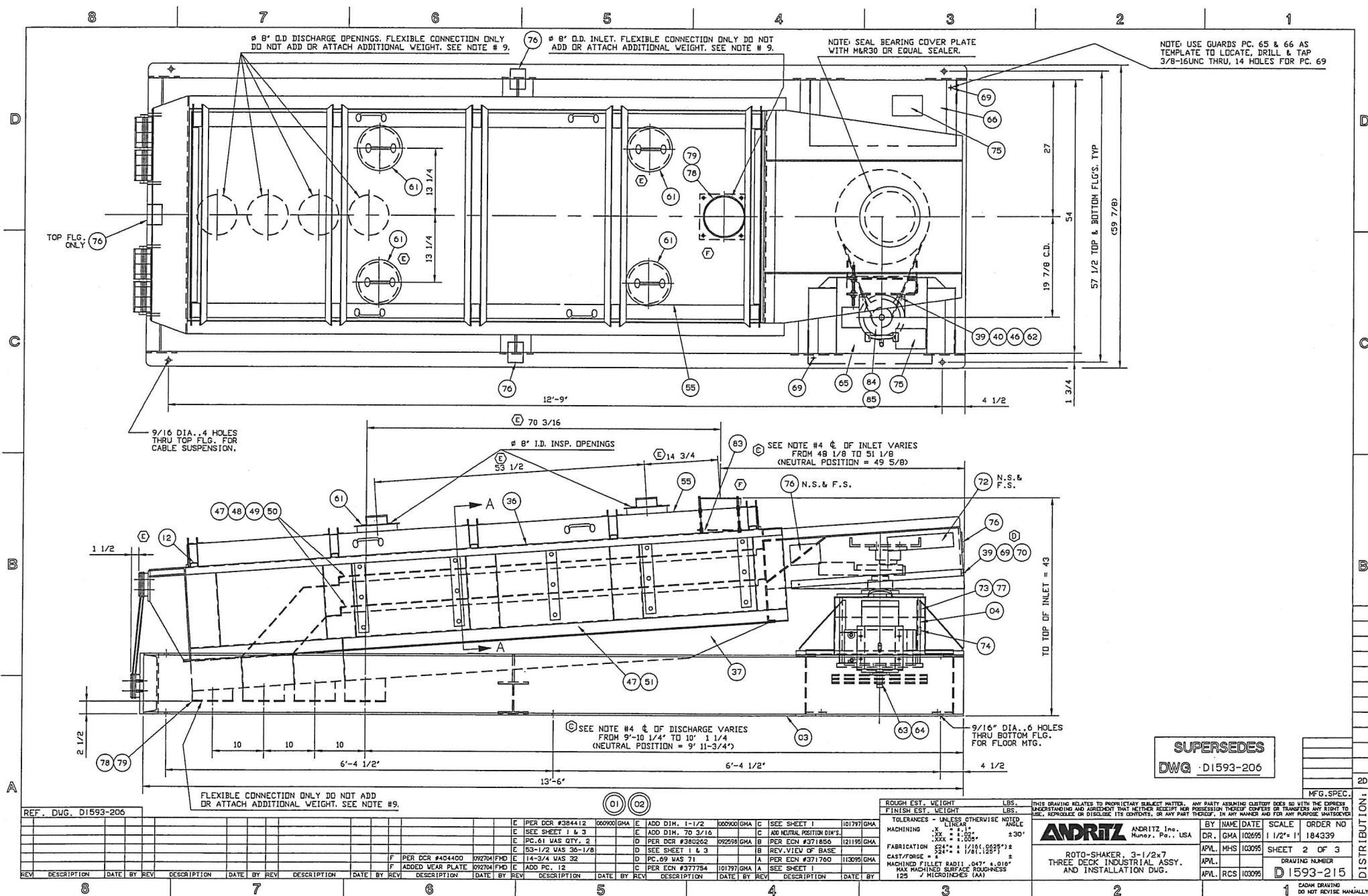
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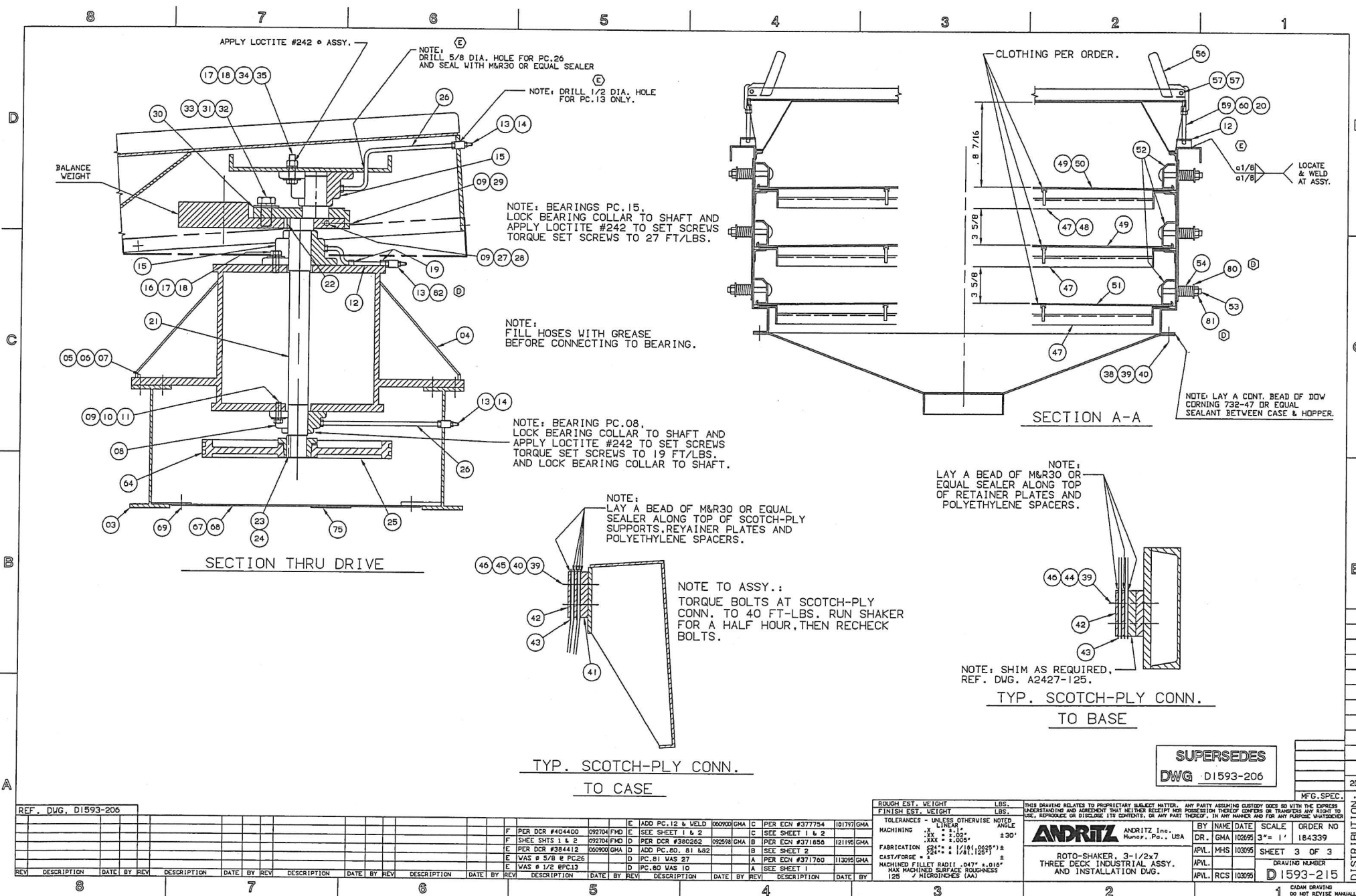
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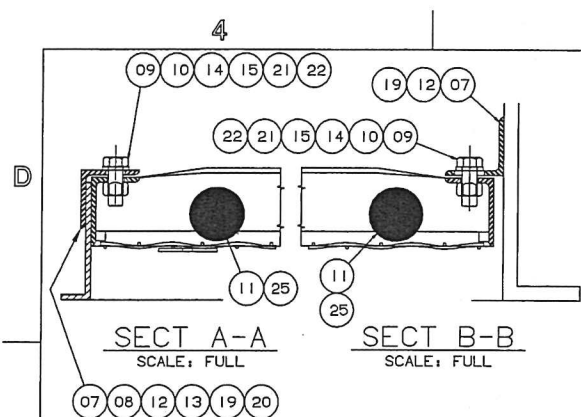
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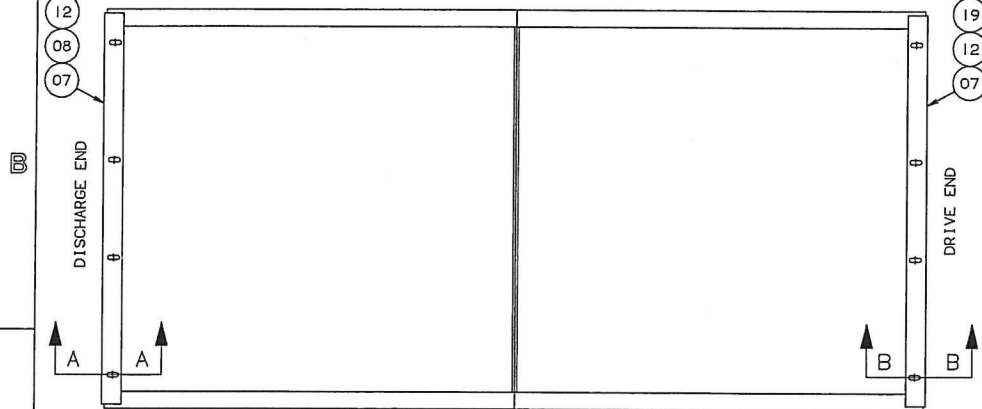






NOTE:
POSITION SCREEN FRAME AT DISCHARGE END (SECT. A-A)
AGAINST PARTITION IN CASE, THEN INSTALL
DRIVE END FRAMES AGAINST DISCHARGE FRAME. PLACE
CLEANERS IN FRAME COMPARTMENTS. INSTALL SCREEN AND
SECURE FRAMES AND SCREEN WITH ANGLE RETAINER
AS SHOWN IN SECTIONS A-A & B-B.

NOTE: CLOTHING PER ORDER.



- 01 02 03 04 05 06 16 17 18 23 24 25 26 27 28

REV	DESCRIPTION	DATE	BY	REV	DESCRIPTION	DATE	BY
1	PER DCR #402243	04/29/03	GMA	1	PER DCR # 389654	04/19/02	GMA
2	PC.25 WAS A1142-054/03			2	PT'S. 11 & 12 & 13		
3	PC.25 WAS CLEAR SILICONE			3	PC'S. 26 & 27 & 28		

QUANTITIES ARE FOR ONE UNIT													PC NO				DESCRIPTION				PATT NO		MATL SPEC		DWG, PT OR PC NO	
13	12	11	10	09	08	07	06	05	04	03	02	01	00	PC NO			DESCRIPTION				PATT NO		MATL SPEC		DWG, PT OR PC NO	
														01			COMPONENT ASSY. SCR.N. FR. W/CLN.				HRS					
														02			COMPONENT ASSY. SCR.N. FR. W/O CLN.				HRS					
														03			COMPONENT ASSY. SCR.N. FR. BTM. DECK W/CLN.				HRS					
														04			COMPONENT ASSY. SCR.N. FR. W/CLN.				304SST					
														05			COMPONENT ASSY. SCR.N. FR. W/O CLN. (SST)				304SST					
														06			COMPONENT ASSY. SCR.N. FR. BTM. DECK W/CLN.				304SST					
2	1	2	1	2										07			BAR, FORMED ANGLE, 1/8 X 1-1/2 X 1-1/2				HRS				A2709-050/01	
														08			BAR, FORMED ANGLE, 1/8 X 1-1/2 X 1-1/2				HRS				A2709-049/01	
														09			SCREW, MACH. HEX. HD., 3/8-16UNC X 1" LG.				HRS				WA45895	
														10			WASHER, 3/8 LOCK, SPLIT				HRS				WA01363	
														11			CLEANER, BALL, 1-3/8 DIA.				PER ORDER		PER ORDER			
														12			BAR, FORMED ANGLE, 1/8 X 1-1/2 X 1-1/2				304SST				A2709-050/02	
														13			BAR, FORMED ANGLE, 1/8 X 1-1/2 X 1-1/2				304SST				A2709-049/02	
12	12	12												14			SCREW, MACH. HEX. HD., 3/8-16UNC X 1" LG.				18-8SST				WA36091	
12	12	12												15			WASHER, 3/8 LOCK, SPLIT				18-8SST				WA28897	
														16			COMPONENT ASSY. SCR.N. FR. W/CLN.				316SST					
														17			COMPONENT ASSY. SCR.N. FR. W/O CLN. (SST)				316SST					
														18			COMPONENT ASSY. SCR.N. FR. BTM. DECK W/CLN.				316SST					
														19			BAR, FORMED ANGLE, 1/8 X 1-1/2 X 1-1/2				316SST				A2709-050/03	
														20			BAR, FORMED ANGLE, 1/8 X 1-1/2 X 1-1/2				316SST				A2709-049/03	
														21			SCREW, MACH. HEX. HD., 3/8-16UNC X 1" LG.				316SST				WA45890	
														22			WASHER, 3/8 LOCK, SPLIT				316SST				WA46505	
														23			COMPONENT ASSY. SCR.N. FR. W/CLN.				HRS					
														24			COMPONENT ASSY. SCR.N. FR. BTM. DECK W/CLN.				HRS					
														25			CLEANER, BALL, 1-3/8 DIA.				PER ORDER		PER ORDER			
														26			COMPONENT ASSY. SCR.N. FR. W/CLN.				HRS					
														27			COMPONENT ASSY. SCR.N. FR. BTM. DECK W/CLN.				HRS					
X														28			COMPONENT ASSY. SCR.N. FR. W/O CLN.				HRS					

NOTE: PC.07, 08, 12, 13, 19 & 20 CUT LENGTH
AT ASSEMBLY SO THAT THERE IS 1/8"
GAP BETWEEN CLOTHING RETAINER
BARS AND THE SCREEN HOOK STRIPS EDGES.

SUPERSEDES
DWG C4210-003

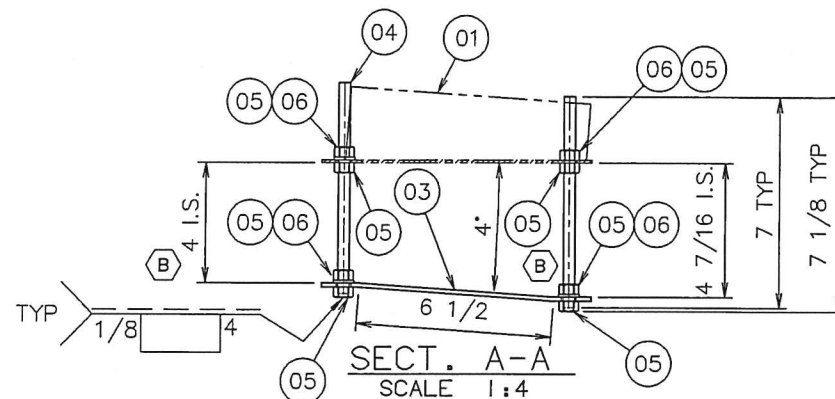
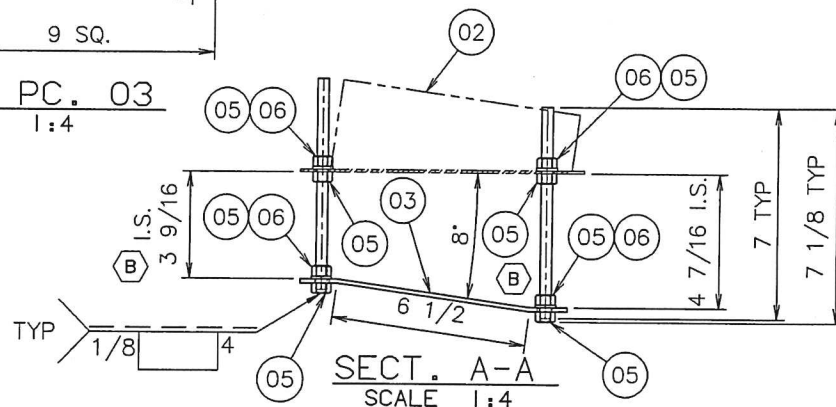
REF. DWG.				DATE				BY			
C	PC.11 WAS A1142-054/01	04/29/03	GMA	A1	ADD PT.09&10, PC.23, 24&25	02/10/99	GMA	A1	ADD PT.09&10, PC.23, 24&25	02/10/99	GMA
C	PC.11 WAS NAT.GLM RUBBER			A	PER DCR # 372110	01/04/96	GMA	A	PER DCR # 372110	01/04/96	GMA
C	PER DCR #402243	04/29/03	GMA	B	PER DCR # 389654	04/19/02	GMA	A	ADD PC.11 TO PART#'S:		
C	PC.25 WAS A1142-054/03			B	PT'S. 11 & 12 & 13			A	PT.02; 05; 06; 08		
C	PC.25 WAS CLEAR SILICONE			B	PC'S. 26 & 27 & 28			A	PC.11 QTY. 96 WAS 144		

RGH UT	LBS
FIN UT	LBS
TOLERANCES-UNLESS OTHERWISE NOTED	
MACHINING .X ±.01	
.XX ±.02	
.XXX ±.005	
FABRICATION .004" ± 1/16 (.0025")	
.004" ± 1/8 (.0025")	
CAST/FORGE ±.005	
MACHINED FILLET RADIUS .047" ±.016"	
MAX MACHINED SURFACE ROUGHNESS 125	
✓ MICROFINISH (1A)	

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ANDRITZ				ANDRITZ Inc. Muncy, Pa., USA				BY	NAME	DATE	SCALE
								DR	GMA	10/25/95	1/4=1"
								APVL.	MHS	10/30/95	SHEET 1 OF 1
								APVL.	RCS	10/30/95	DRAWING NUMBER
								C4210-082			

CADAM DWG DO NOT
REVISE MANUALLY

DISTRIBUTION:



03	02	01	00	PC NO	DESCRIPTION	MATL SPEC	DWG. PT OR PC NO
			X	01	WEAR PLATE, ASSEMBLY 3-1/2x7 ROTO-SHAKER 4° SLOPE		
		X		02	WEAR PLATE, ASSEMBLY 3-1/2x7 ROTO-SHAKER 8° SLOPE		
		1	1	03	PLATE, 10 GA. THK. x 9" SQ. 304 SST	28.0-043	
		4	4	04	ROD, THREADED FULL LG., 3/8-16UNCx7"LG	304 SST	B5100-201/49
		16	16	05	NUT, HEX. HD., 3/8-16UNC	18-8 SST	WA34977
		8	8	06	WASHER, LOCK, 3/8 SPLIT	18-8 SST	WA28897

[illegible]