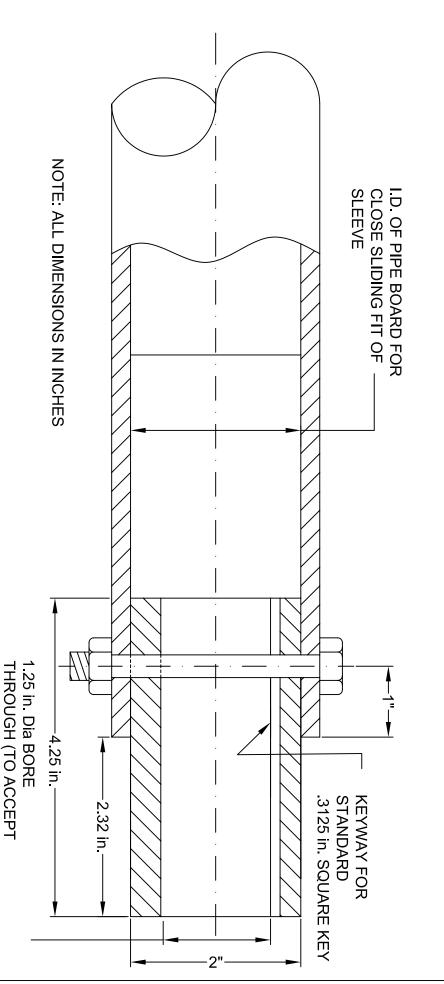
VIEW SHOWING DRIVE SLEEVE REVERSED FOR DIRECT DRIVE OF 1994 AND UP, STAINLESS AND RUBBER THROUGH SPREADERS



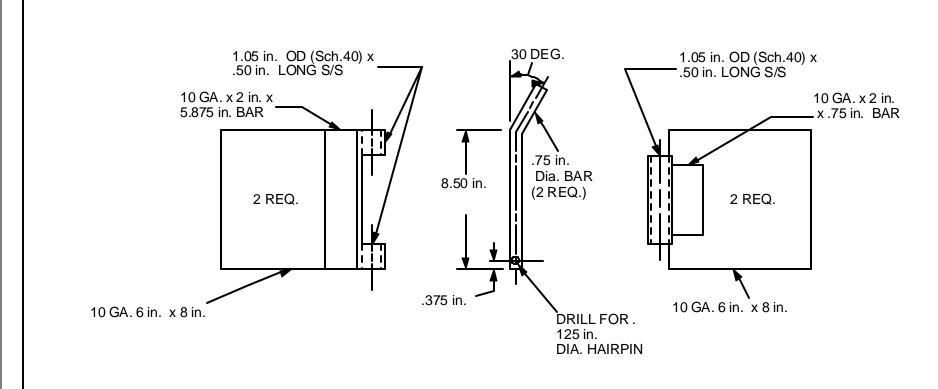
SPREADER TAILGATE

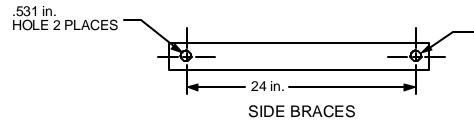
HYDRAULIC MOTOR SHAFT AND AUGER

STUB SHAFT INTERCHANGEABLY)

PA DEPARTMENT OF TRANSPORTATION

					l
WHM SHEET 1 OF 2	WHW WHITE	DATE 01-02-98			ယ
EQN-3	SCALE N/A	DRAWN BY DLW	CJW	10-02-06 CJW	2
	וויפנוטנוס		DWG	05-22-02 DWG	1
5	0 0 1 0 1		ВҮ	DATE	NO.
Auger Drive Sleeve	er Drive	Auge	S	REVISIONS	_



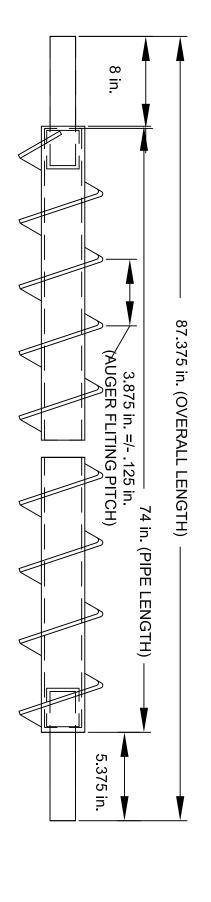


.125 in. x 1.50 in. x 26 in. HANGER BRACE (2 REQ.) WITH TWO (2) .50in. x 1.25 in. STAINLESS STEEL BOLTS AND NUTS. DRILL FOR .125 in. HAIR PIN (STAINLESS STEEL, LENGTH AS REQUIRED, QTY. 4).

NOTES:

- 1. ALL DIMENSIONS IN INCHES
- 2. MATERIAL OF CONSTRUCTION: STAINLESS STEEL THROUGHOUT, AISI TYPE 304.

	REVISIO	NS	COMMONW	EALTH OF PE	NNSYLVANIA
N0.	DATE	BY	DEPARTME	NT OF TRANS	PORTATION
1	12/06/93	SLM	OLUCK DET	ACH SPRE	ADED VIT
2	01/12/96	SWW	QUICK DET	ACH SPREA	ADER KII
3	01/05/98	DLW	DRAWN BY DLW	SCALE N/A	MATERIAL
4	05/23/02	DWG	CHKD WHM	DATE 01/05/98	EQN-3A
5					SHEET 1 OF 1



HELICOID FLIGHT (RIGHT HAND)
SINGLE CONTINUIOS SCREW TYPE
(BAR SIZE, BEFORE ROLLING, TO BE
SUCH THAT FLITING O.D. IS AS SHOWN
IN END VIEW AT RIGHT, AND OUTER
EDGE THICKNESS IS AS SHOWN IN
FLITING THICKNESS SPECIFICATION)

VIEW SHOWIING COMPLETE AUGER WELDMENT

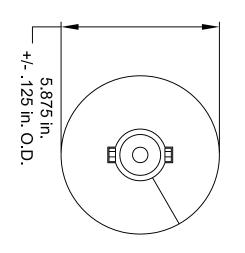
2 in. (2.375 O.D.) SCHEDULE 80 (.20 in. WALL) CARBON STEEL PIPE (PIPE SIZE E.R.W. TUBING ACCEPTABLE

SPECIFICATION NOTES

- 1. PIPE PORTIONED WORTH (WITH WELDED FITTING) TO BE STRAIGHT TO GIVE MAXIMUM OF .20 IN. TOTAL RUNOUT
- 2. BOTH STUB SHAFT CENTERLINES TO LIE ON PIPE CENTERLINE TO GIVE MAXIMUS OF .20 IN. TOTAL RUNOUT
- 3. ALL SURFACES OF SLEEVE, SHAFT, AND OTHER PIPE WHICH MAKE CONTACT WITH EACH OTHER TO BE COATED WITH ANTI-SEIZE COMPOUND
- 4. SHAFT IS REMOVED, AND NOT USED. WHEN AUGER IS USED IN A DIRECT DRIVE APPLICATION

TO REFERENCE DIMENSIONS

& WELDING DECIMAL MACHINING HOLE DIAMETERS PUNCHING SHEARING & FORMING FLAME CUTTING, NIBBLING ANGLES IMPLIED TOLERANCES DO NOT APPLY (UNLESS OTHERWISE NOTED) DO NOT SCALE DRAWING TOLERANCES 0.000-+/-.005 0.00- +/- .020 0.0- +/- .040 +/- 2 DEG + 015/- 005 +/- 030 +/- .020



7	A DEPAR	MIX	ENT OF T	RANSP	PA DEPARTMENT OF TRANSPORTATION
	REVISIONS		DennDOT SE	SEADER	DennOOT SEREADER ALIGER DETAIL
NO.	DATE	ВҮ			700000000000000000000000000000000000000
1	01-09-98 DLW	MTD	(0/0 %		
2	05-28-02 DWG DRAWN BY	DWG	DLW	SCALE N/A	EQN-6

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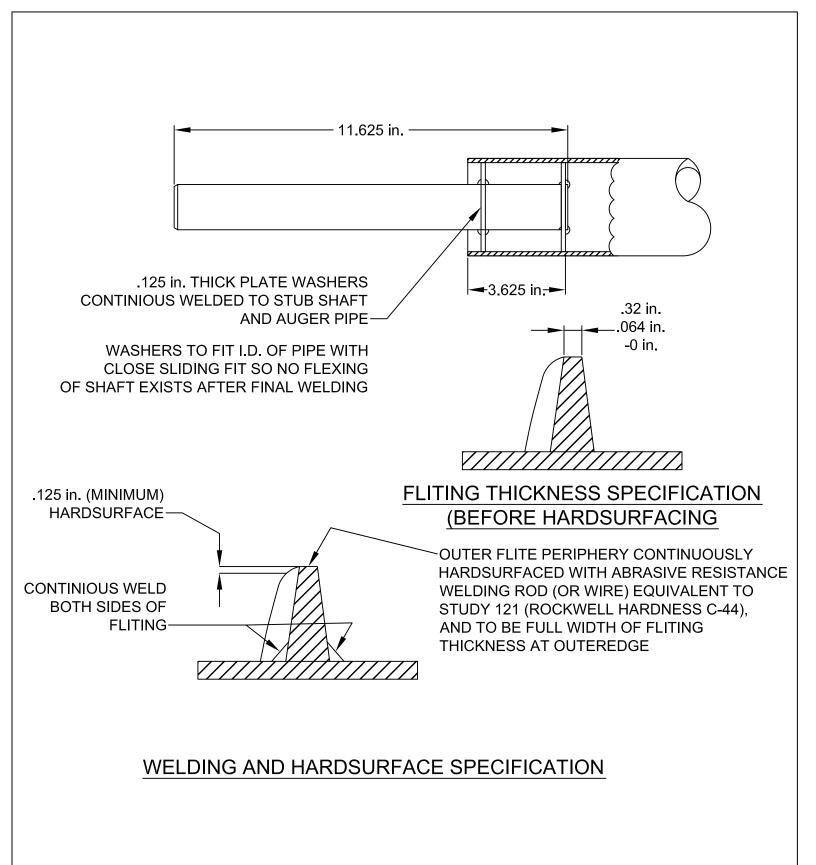
9-14-07

BAG

01-09-98

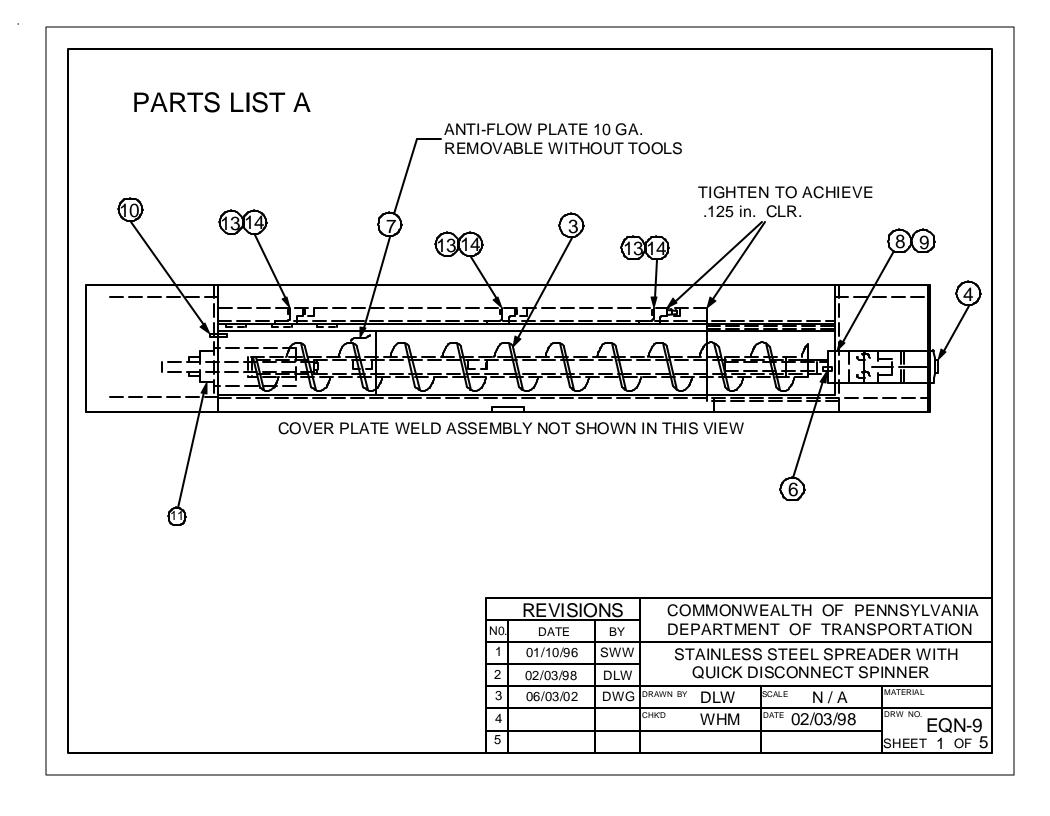
"WHM |SHEET

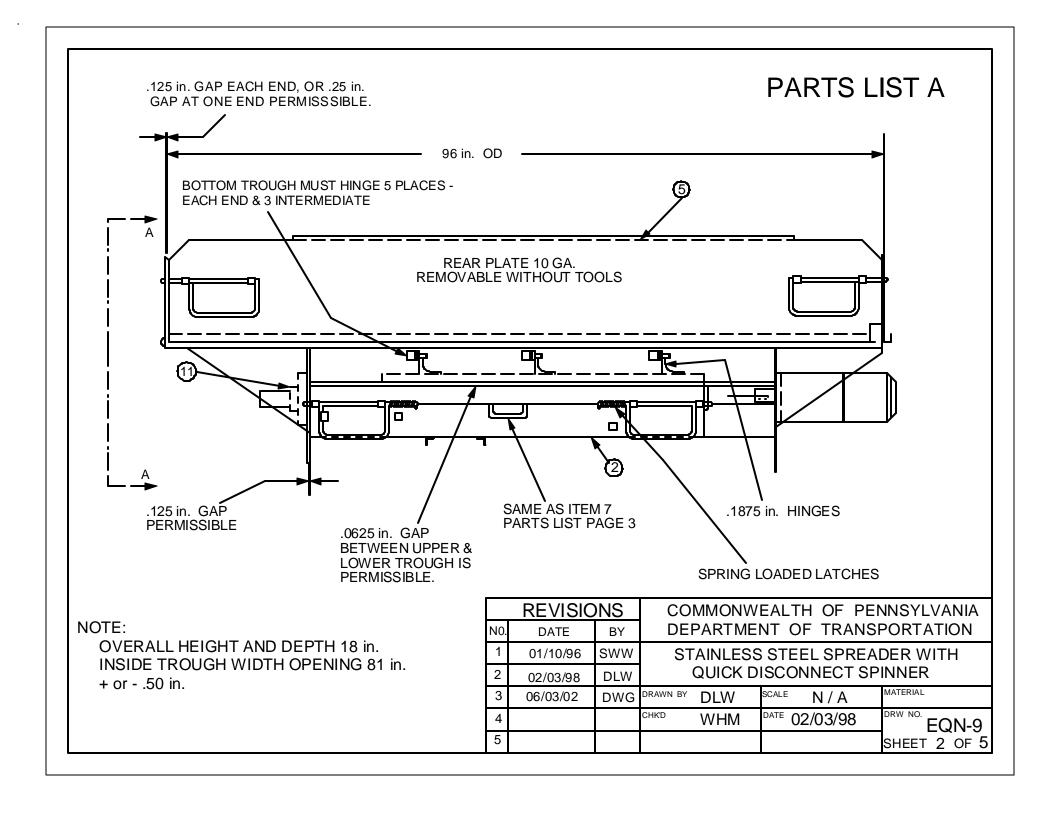
1 OF 3

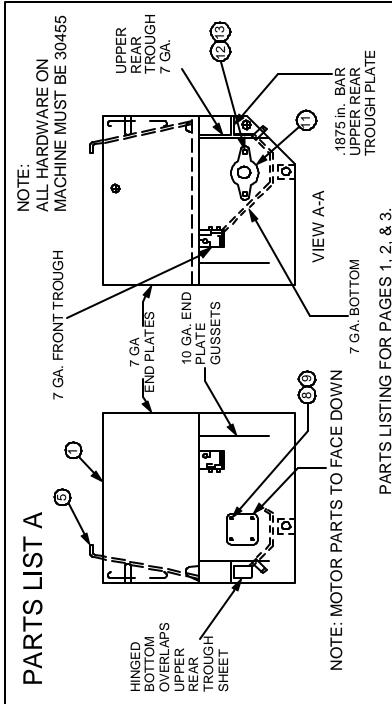


PA DEPARTMENT OF TRANSPORTATION

	REVISIONS	S	PennDOT SE	READER	AUGER DETAIL
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1	1-09-98	DLW	(3/3 & 1	(ODDLI)	iriikoodii)
2	05-28-02	DWG	DLW	SCALE N/A	EQN-6
3	09-20-07	BAG	DATE 01-09-98	CHK'D BY WHM	SHEET 3 OF 3



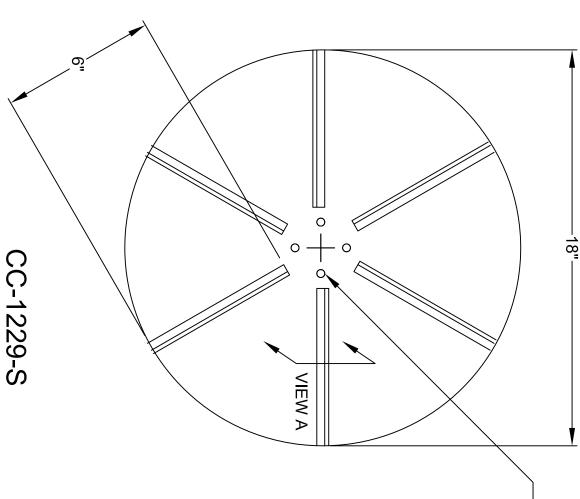




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		PARTS LIST A
ITEM	ТЕМ ДТҮ.	NAME
2	1	LOWER TROUGH ASSEMBLY
က	1	AUGER ASSEMBLY
4	1	AUGER MOTOR
2	1	COVER PLATE ASSEMBLY
9	1	SOC HD CUP PT SET SCR .3125 in 18 NC x .25 in.
7	1	GATE OPENING BAFFLE WELD ASSEMBLY
∞	4	HEX HEAD CAP SCREW .375 in 16 NC x .75 in.
6	4	LOCK WASHER .375 in.
10	1	HAIRPIN COTTER (.20 in. x 1.875 in.)
11	1	FLANGED BALL BEARING UNIT 2 BOLT MOUNTING 1.25 in.
12	3	HEX HEAD CAP SCREW (.375 in 16 NC x 1.50 in.)
13	9	HEX HEAD LOCK NUT (.375 in 16 NC - GRIPCO)
14	3	HEX HEAD CAP SCREW (.375 in 16 NC x 1 in.)

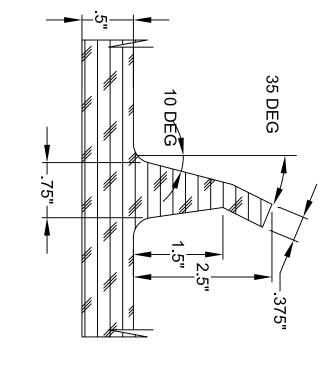
	REVISIONS	NS	COMMONWEALTH OF PENNSYLVANIA	H OF PEN	NSYLVANIA
NO.	DATE	ВУ	DEPARTMENT OF TRANSPORTATION	OF TRANSPO	ORTATION
_	01/10/96 SWW	MMS	S	EL SPREAD	ER WITH
2	02/03/98 DLW	DLW	QUICK DISCONNECT SPINNER	NNECT SPIN	INER
3	06/03/02	DWG	DWG DRAWN BY DLW SCALE	N/A	MATERIAL
4			снкр WHM DATE 02/03/98		6-NOJ
2					CHEET 3 OF 5



-.375 Dia. HOLE REINFORCED WITH STEEL WASHERS (4) PLACES ON 4" B.C.

NOTES:

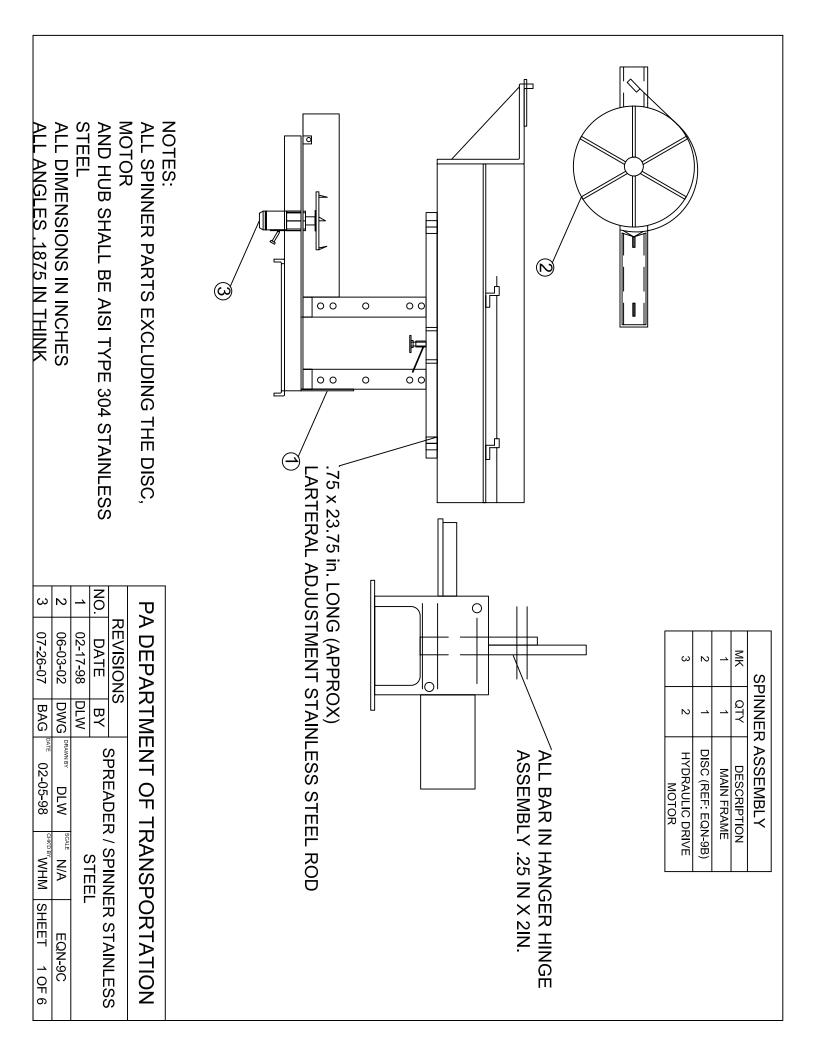
- MATERIAL 80 DURO. URETHANE
 WEIGHT 8.1 lbs. PER PIECE
- **ROTATION: COUNTER CLOCKWISE**
- ALL DIMENSIONS IN INCHES.

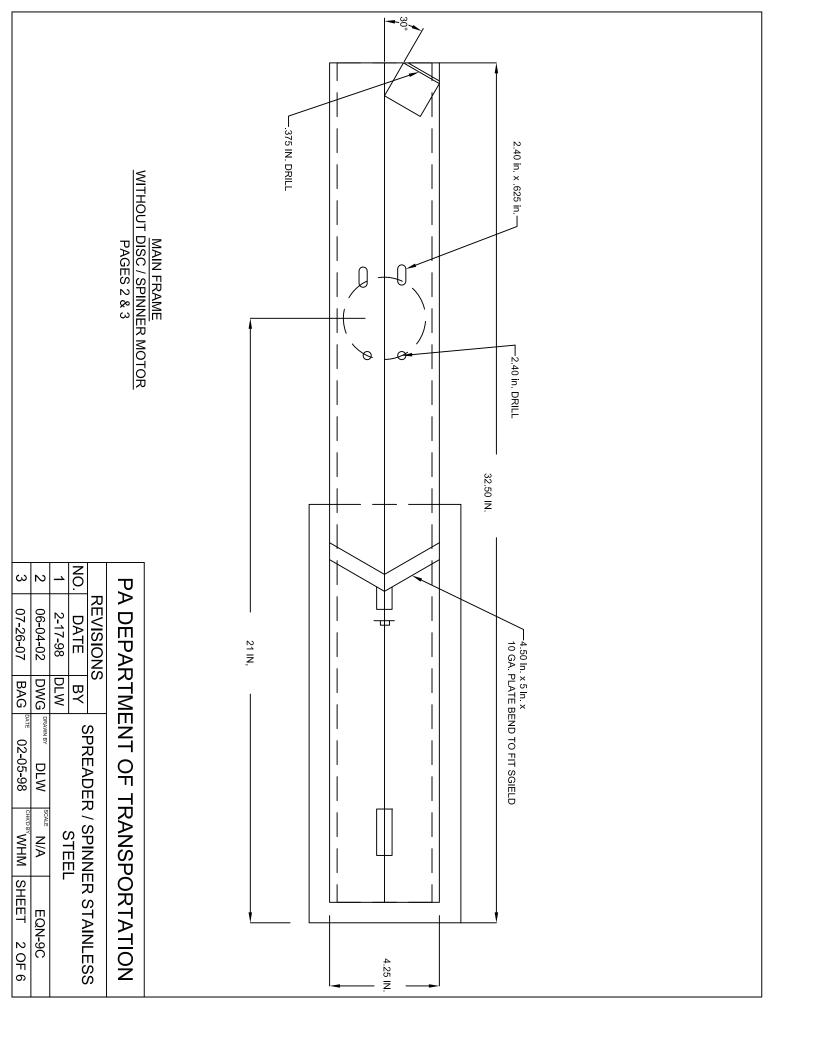


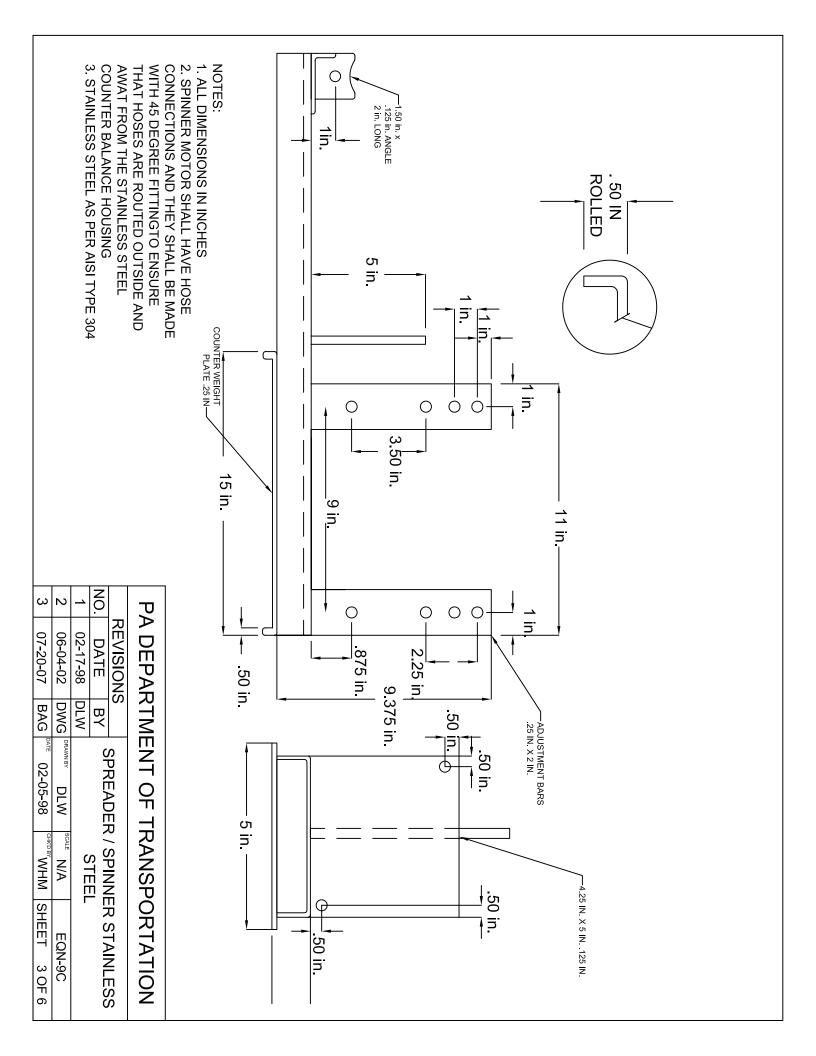
C.U.E. InC 11 Leonberg Township 16066 U.S.A.

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EQN-9B	N/A	DLW	V DRAWN BY	۲آ۸	05-23-07 CJW DRAWNBY	2
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		1 <u>2</u>		ВҮ	NO. DATE	NO.
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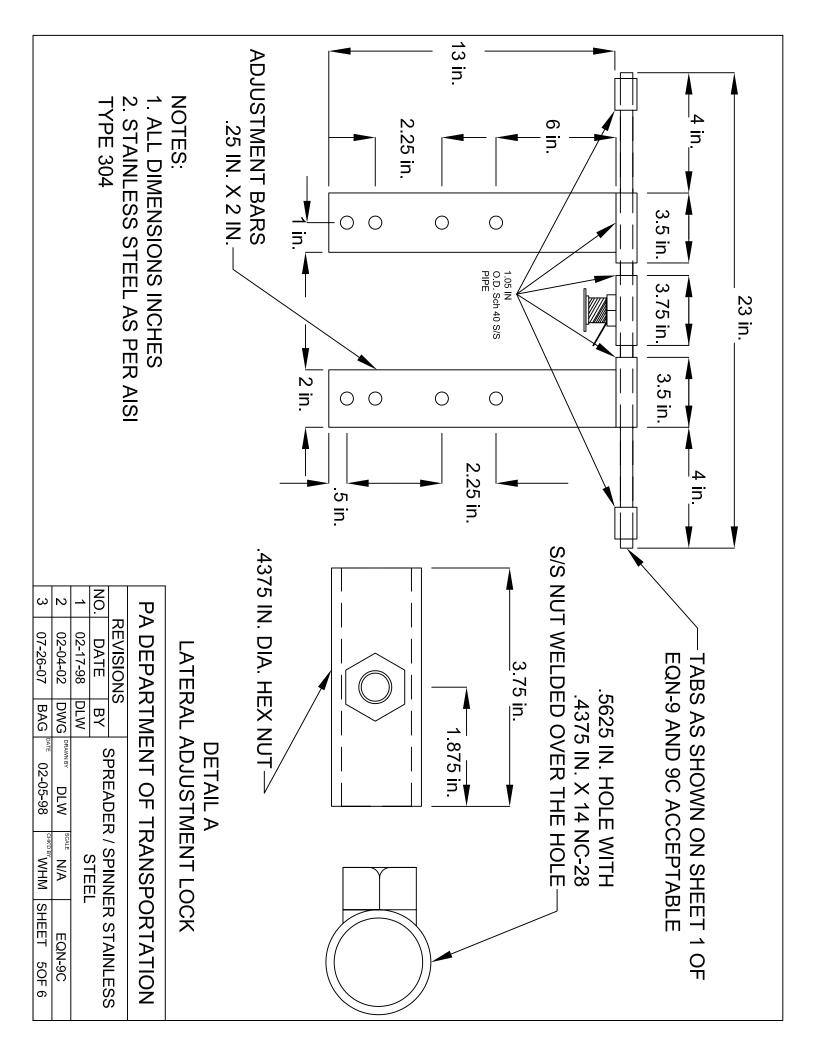


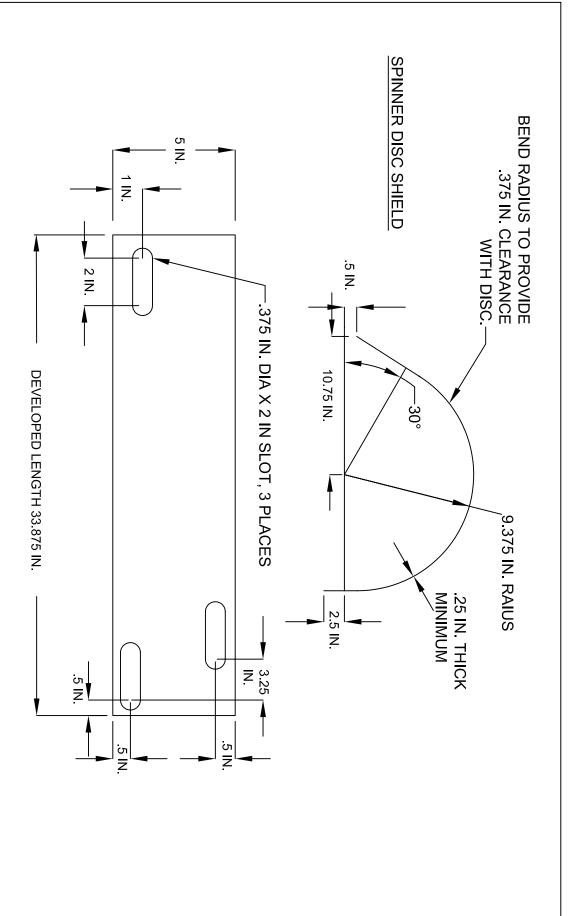
LOCK BAR DETAIL B -.25 IN. X .75 IN. X 3.5 IN. S/S BAR WITH A .4375 IN. DIA. TAP HOLE -S/S .4375 IN. X 2 IN. LONG BOLT WELDED TO .375 IN. X 3 IN. LONG S/S ROUND STOCK DETAIL C TEE BOLT

NOTES:

1. ALL DIMENSIONS IN INCHES.
2 STAINLESS STEEL AS PER AISI
TYPE 304

NO. PA DEPARTMENT OF TRANSPORTATION REVISIONS 02-04-02 07-26-07 02-17-98 DATE DWG DLW ВҮ BAG SPREADER / SPINNER STAINLESS 02-05-98 DLW WHM SHEET STEEL N X EQN-9C 4 OF 6





NOTES: 1. ALL DIMENSIONS IN INCHES / CM 2. STAINLESS STEEL AS PER AISI TYPE 304

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07-26-07	02-04-02	02-17-98 DLW	DATE	REVISIONS
BAG	DWG DRAWN BY	DLW	ВҮ	S
DATE 02-05-98	DLW			
MHW	SCALE N/A	01555		
CHKD BY WHM SHEET 6 OF 6	EQN-9C		STEEL STAINLESS	

DRIVE BEARINGS:

FEDERAL SAFETY STANDARDS AND OSHA REQUIREMENTS. MENTIONED HEREIN OR NOT. THE VEHICLE SHALL COMPLY WITH ALL CURRENT APPLICABLE ACCESSORIES, EQUIPMENT, AND SAFETY FEATURES CONSIDERED STANDARD, WHETHER THE FOLLOWING SHALL INDICATE MINIMUM REQUIREMENTS INCLUDING ALL GENUINE PARTS

USED ON OUR TAILGATE SPREADERS. THE PUPROSE OF THESE SPECIFICAATIONS IS TO DESCRIBE A BEARING CAPABLE OF BEING

CONFORM TO THE BEST QUALITY STANDARDS KNOWN TO THAT PARTICULAR INDUSTRY. SPECIFIEDITEMS NOT AVAILABLE THROUGH THE EQUIPMENT MANUFACTURER SHALL AVAILABLE FOR THE INDICATED MODEL BY THE EQUIPMENT MANUFACTURER. UNLESS OTHERWISE SPECIFIED, EACH UNIT SHALL INCLUDE ALL SPECIFIED PARTS, MADE

OPERATION. EACH UNIT SHALL BE CLEAN, LUBRICATED, AND SERVICED READY FOR IMMEDIATE

PERFORMANCE:

PRECEDING THIS BID OPENING. A CURRENT PRODUCTION UNIT IN USE BY THE INDUSTRY FOR THE PAST TWELVE MONTHS THE PROPOSED UNIT SHALL BE IDENTICAL WITH THE STANDARD OR IMPROVED MODEL AND

ACCORDING TO THESE SPECIFICATIONS. EQUIPMENT CONFORMS TO THE SPECIFICATIONS AND PERFORMS SATISFACTORILY IT SHALL BE THE RESPONSIBILITY OF THE BIDDER TO ASSURE THAT THE PROPOSED

GRADE:

TYPE:

REFERENCE: AMERICAN FRICTION BEARING MANUFACTURERS ASSOCIATION #1, PRECISION

SELF-ALIGNING, ANTI-FRICTION, THRUST, RE-LUBE TYPE.

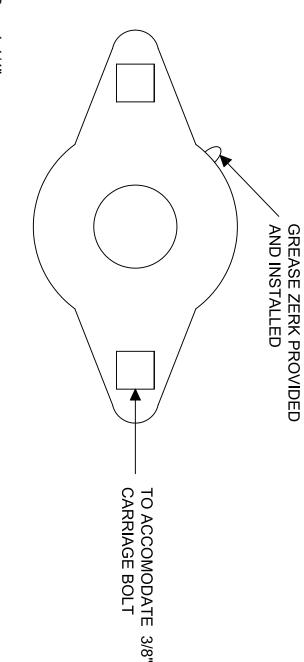
MOUNTING:

2 BOLT UNIT FLANGED UNIT TYPE. SEE DRAWING.

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SCALE N/A EON-# 10	MTG ARNAND			2
INFORMATION		KNH	4-4-07 KNH	_
	<u>c</u>	ВҮ	DATE	NO.
SPREADER REARING	3 0 5	0,	REVISIONS	
PA DEPARTMENT OF TRANSPORTATION	ENT OF	NTM	A DEPAF	P/

MOUNTINGS

2 BOLT (SQUARE HOLES) FLANGED UNIT TYPE. SEE DRAWING.



SHAFT DIAMETER:

1-1/4"

LOCKING: RETAINING COLLAR SHALL BE ECCENTRIC WITH SET SCREW.

HOUSING: CASE, DUCTILE OR MALEABLE IRON.

REFERENCE: LINK BELT FXWG 2E2ou, FAFNIR GVFTDS, ROBERTS FBPZ-2OL, BROWNING MODEL

#VF2E-120SM, SST MODEL #SAFG 206-20G, IPTCI MODEL SALF 206-20

NOTE ALL SET SCREWS HOLDING BEARING COLLARS SHALL BE TREATED WITH LOCKTITE AND PROPERLY TORQUED.

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WHM SHEET 2 OF 2	MHW ABOARD	06/26/97	O DATE O			ω
EQN-# 10	N/A	DLW	DRAWN BY			2
	INFORMATION			KNH	4-4-07	_
		<u> </u>		ВΥ	DATE	<u>N</u> O.
	SDREADER REARING	SDD		(0)	REVISIONS	_

