

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
B6 D3 C4	A	60-UNITS WAS 50, ADDED Db(A) INFO	06.11.16	
	B	ADDED GEAR & PINION NOTES	06.29.16	
	C	.623/.615 was .625/.615	10.12.16	
	D	Moved plug to opposite side of cover	10.29.16	
		55-1001 Qty 2 was 1		

QUALITY INSPECTION

NO LEAKS ALLOWED

GEARBOX MUST ROTATE WITHOUT STICKING OR BINDING

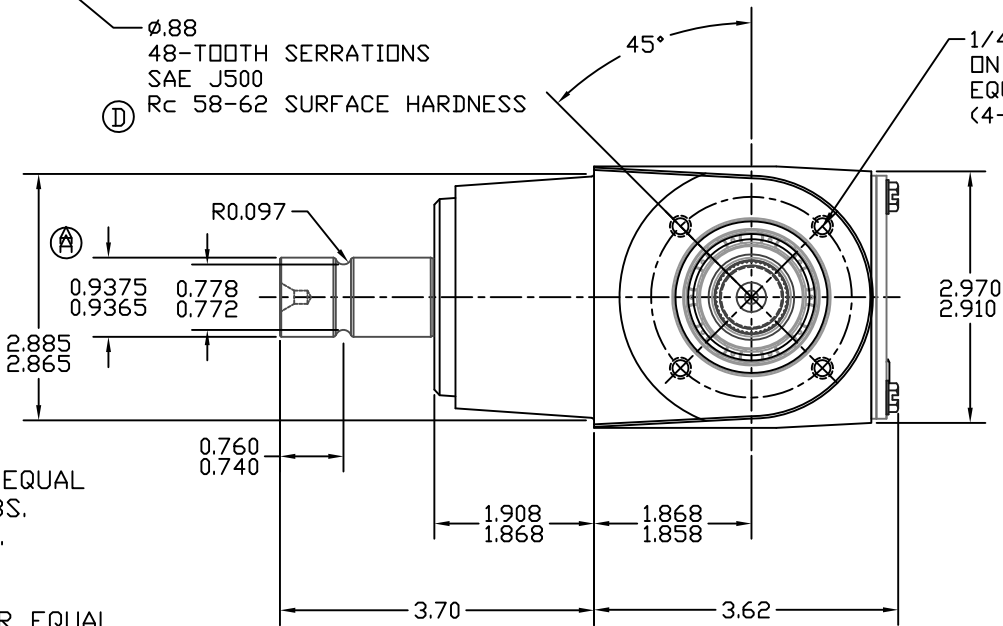
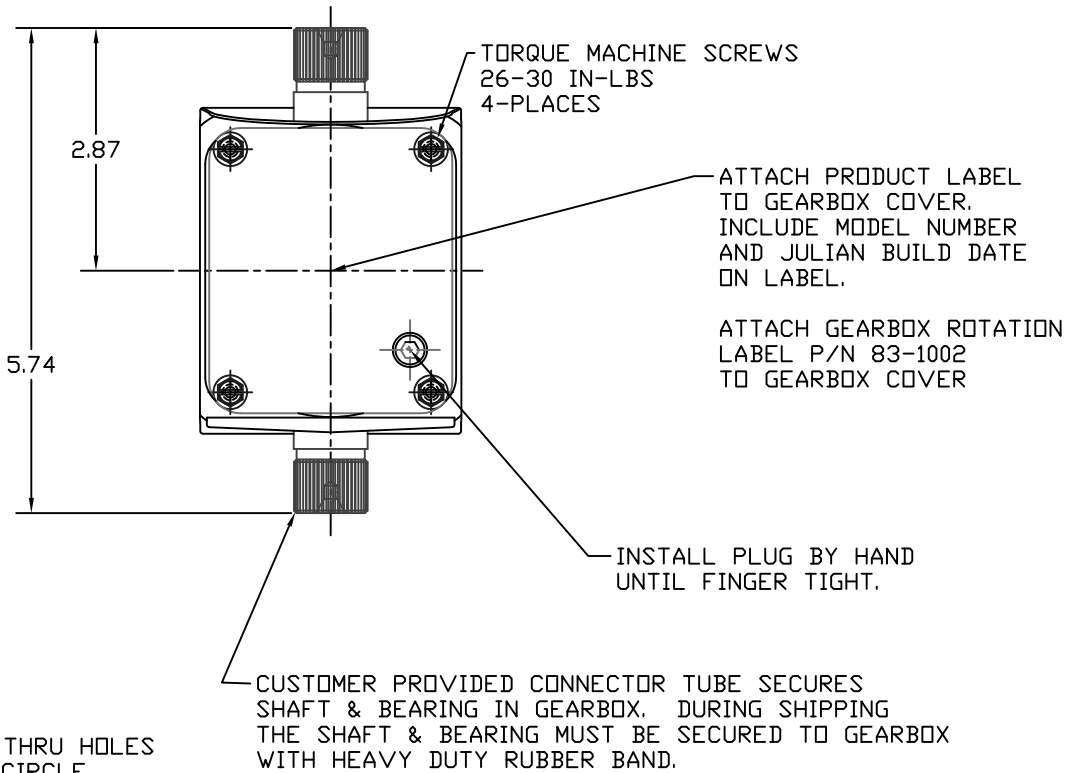
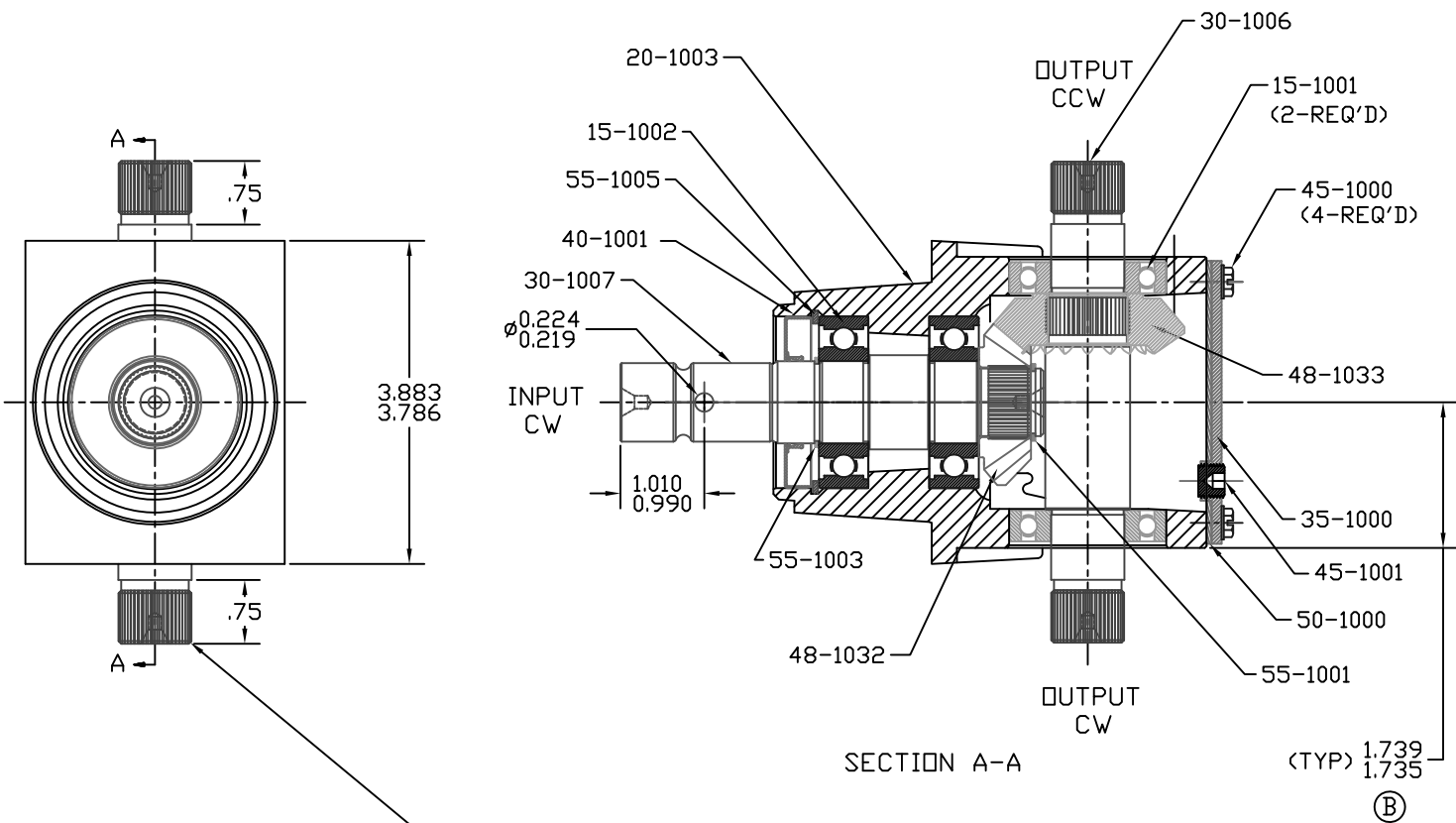
RUN TEST GEARBOX AFTER FILLING WITH 6 OUNCES OF LUBRICATE.

RUN TEST SHOULD BE PERFORMED ON 1-UNIT OUT OF 60-UNITS

OVERALL Db(A): 80 TO 84

This print or drawing is the property of J-Mac International, LLC. The confidential and proprietary information disclosed herein shall be used only as expressly and specifically approved in writing by J-Mac International, LLC. Upon request the print or drawing shall be promptly returned by recipient to J-Mac International, LLC.					TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONAL +/- 1/32 .00 +/- .02 .000 +/- .010 ANGULAR +/- 1/2			
					J-Mac International, LLC P.O. Box 235 - Henryville, IN 47126			
Description: RAD. w/ 1:1 Ratio		SIZE	FSCM NO.	DWG NO.	105-201	REV	D	
		SCALE FULL		SHEET				

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
A		Added Dimension	02.07.13	
B		Added Dimension	02.19.13	
C		Added Bearing Information	02.22.13	
D		Added Heat Treat Info	02.23.13	
E		48-1032 was 25-1032 & 48-1033 was 25-1033	09.05.14	



SHAFT 30-1007
HARDEN & DRAWN TO Rc 40-45

BEARINGS

BEARING P/N 15-1001

- USE SST BEARING R14 BEARING OR EQUAL
- DYNAMIC LOAD RATING: 1,622.9 LBS.
- STATIC LOAD RATING: 1,020.4 LBS.

BEARING P/N 15-1002

- USE PEER, NACHI #6205 BEARING OR EQUAL
- DYNAMIC LOAD RATING: 3,150 LBS.
- STATIC LOAD RATING: 1,770 LBS.

LUBRICATION

PENNZOIL SUPER MAXOL EP320

TEXACO MEROPA 320

GEARBOX SHIPPED WITHOUT LUBRICATION

GEARBOX SPECIFICATIONS

GEAR RATIO: 1.2:1

INPUT SPEED: 3,600 RPM (MAX.)

HORSEPOWER: 7.0 HP @ 3,600 RPM (MAX.)

STATIC TORQUE: 360 IN-LBS (MAX.)

QUALITY INSPECTION

NO LEAKS ALLOWED

GEARBOX MUST ROTATE WITHOUT
STICKING OR BINDING

RUN TEST GEARBOX AFTER FILLING
WITH 6 OUNCES OF LUBRICATE.

RUN TEST SHOULD BE PERFORMED
ON 1-UNIT OUT OF 50-UNITS

OVERALL dB(A): 80 to 84

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		J-Mac International, LLC P.O. Box 235 - Henryville, IN 47126		
Description: ZEROL T-Drive 1.2:1 RATIO	SIZE	FSCM NO.	DWG NO. 105-204	REV E
	SCALE FULL	OCTOBER 8, 2012	SHEET	

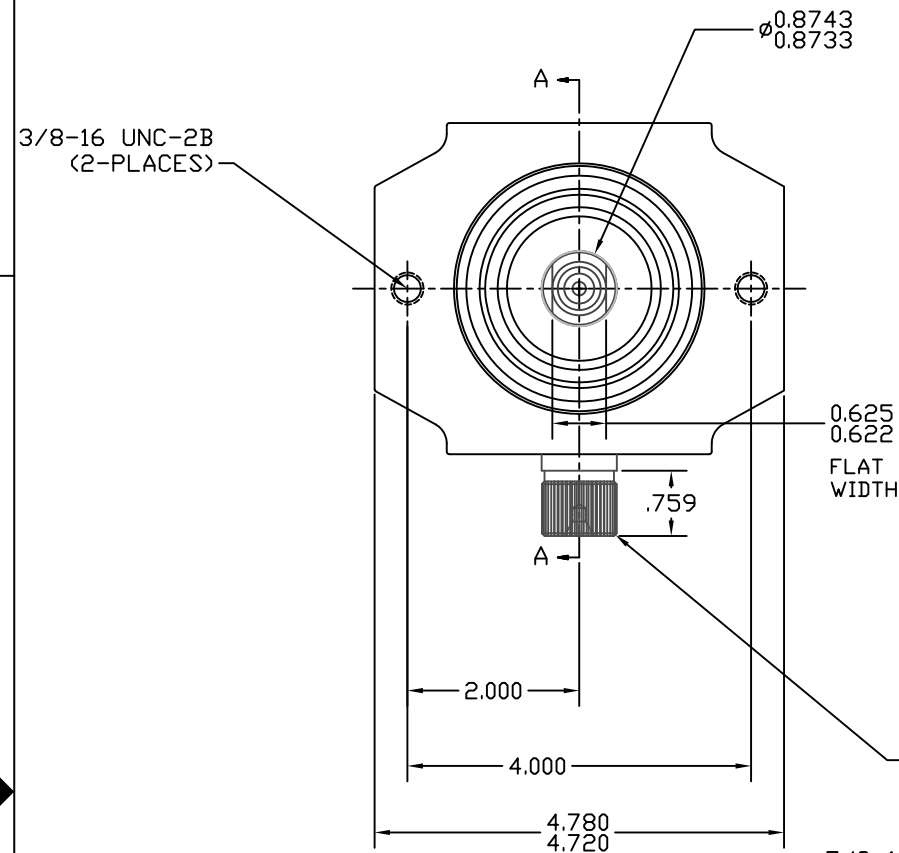
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
D4	A	ADDED GEAR & PINION INFO & INCREASE	06.11.16	
B6	B	.623/.615 was .625/.615	06.29.16	
C4	C	55-1000 was 55-1001	09.30.16	
D4	D	Added 55-1001 retaining ring	10.29.16	

D

C

B

A



SHAFT: 30-1003

HARDEN & DRAW TO Rc 40-45

BEARINGS

BEARING P/N 15-1000

- USE SST # R12 BEARING OR EQUAL
- DYNAMIC LOAD RATING 1,367 LBS
- STATIC LOAD RATING 864.4 LBS

BEARING P/N 15-1001

- USE SST # R14 BEARING OR EQUAL
- DYNAMIC LOAD RATING 1,622.9 LBS
- STATIC LOAD RATING 1,020.4 LBS

LUBRICATION

PENNZOIL SUPER MAXOL EP320

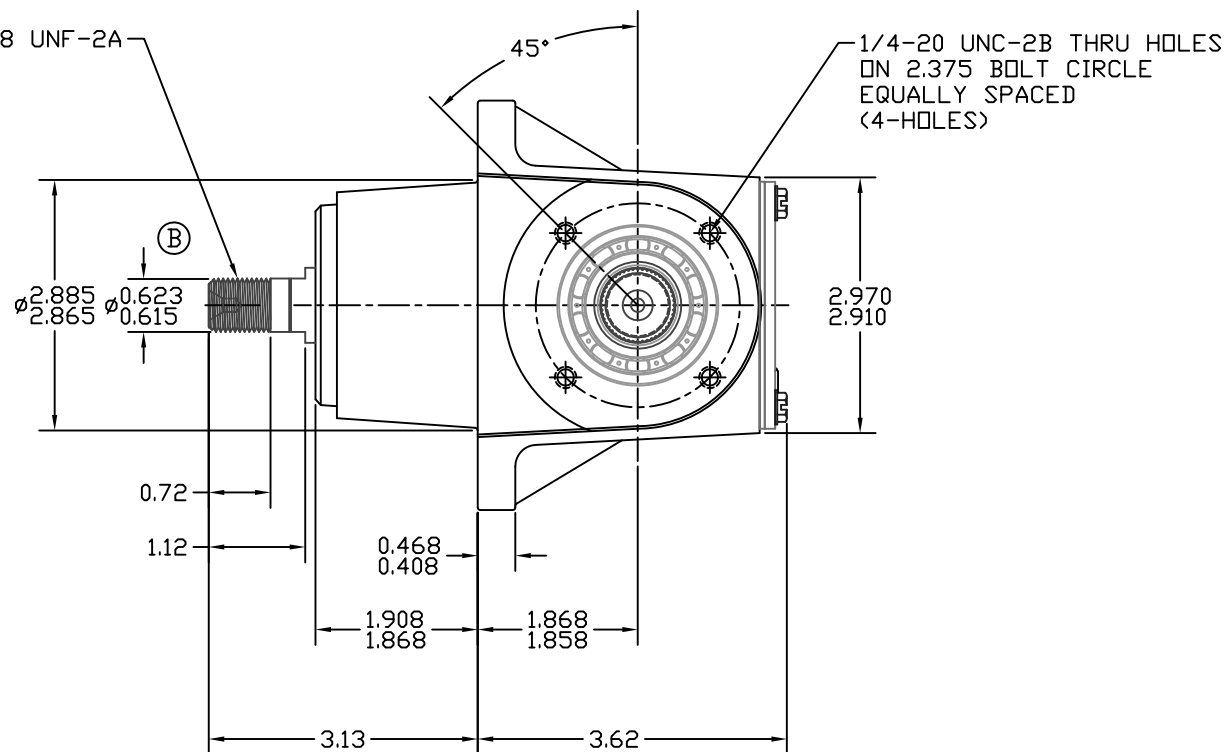
TEXACO MEROPA 320

GEARBOX SHIPPED WITHOUT LUBRICATION

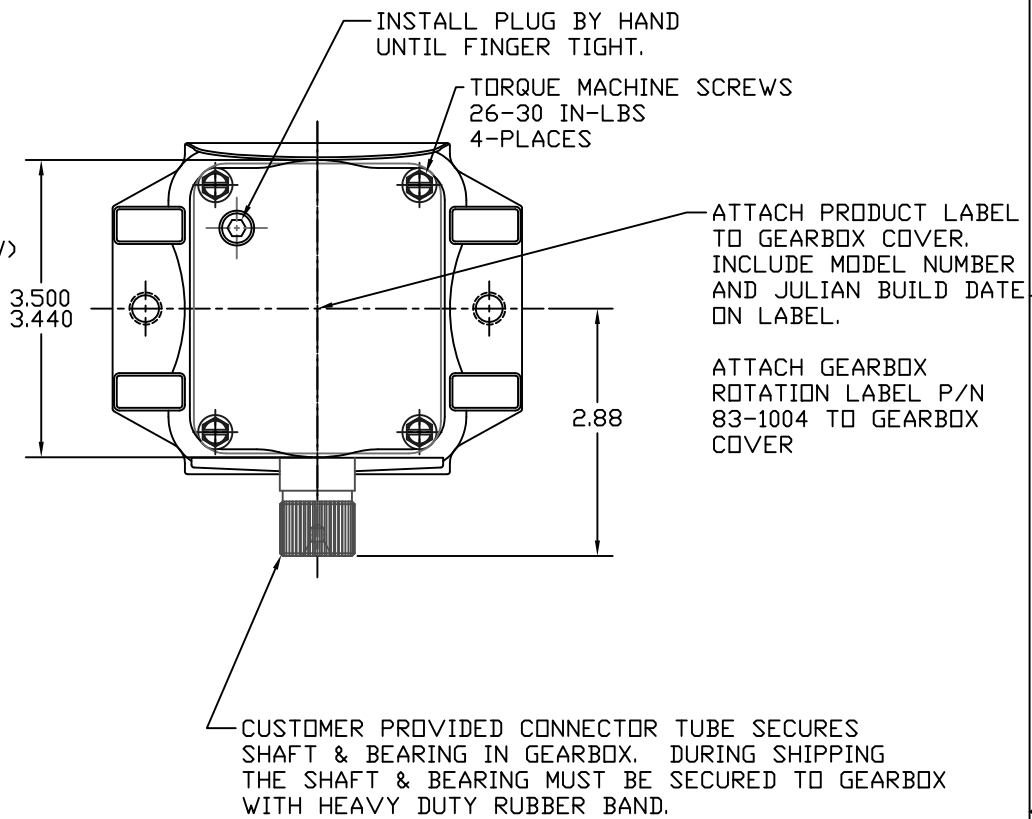
GEARBOX SPECIFICATIONS

ROTATION TYPE: RH
ROTATION: CW/CCW
GEAR RATIO: 1.2:1 INCREASE
INPUT SPEED: 3,600 RPM (MAX.)
HORSEPOWER: 7.0 HP @ 3,600 RPM (MAX.)
STATIC TORQUE: 360 IN-LBS (MAX.)

5/8-18 UNF-2A



REPLACES: RH
PEERLESS WALKER PRO-GEAR WALKER
1050-005 5053-26 105-205
1000-094A 5053-2



QUALITY INSPECTION

NO LEAKS ALLOWED

GEARBOX MUST ROTATE WITHOUT STICKING OR BINDING

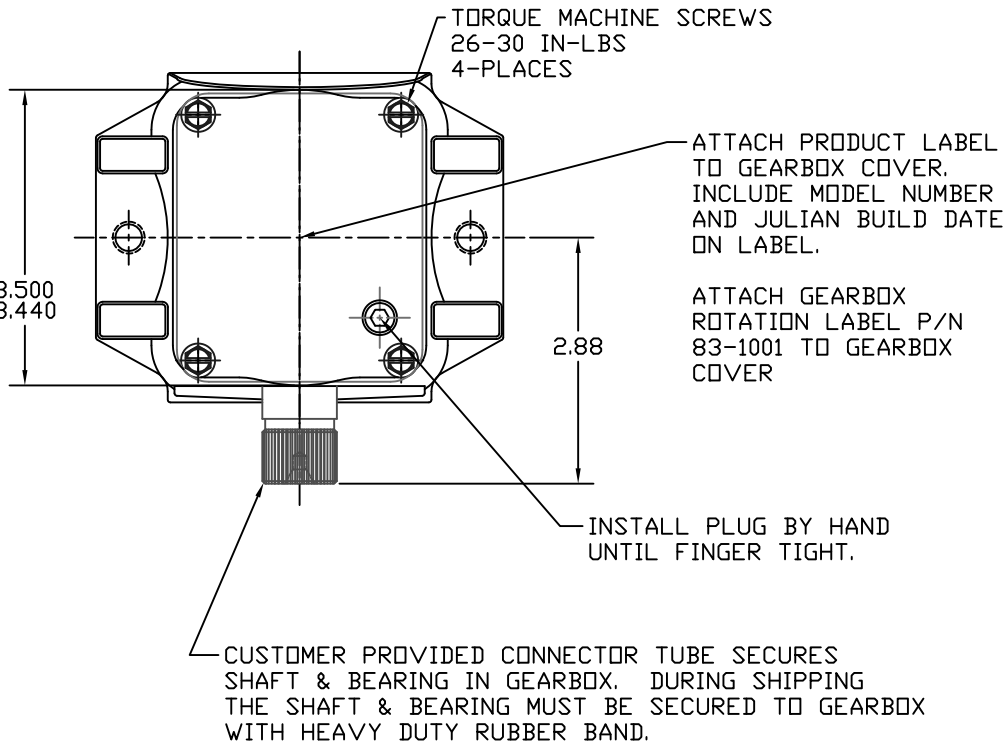
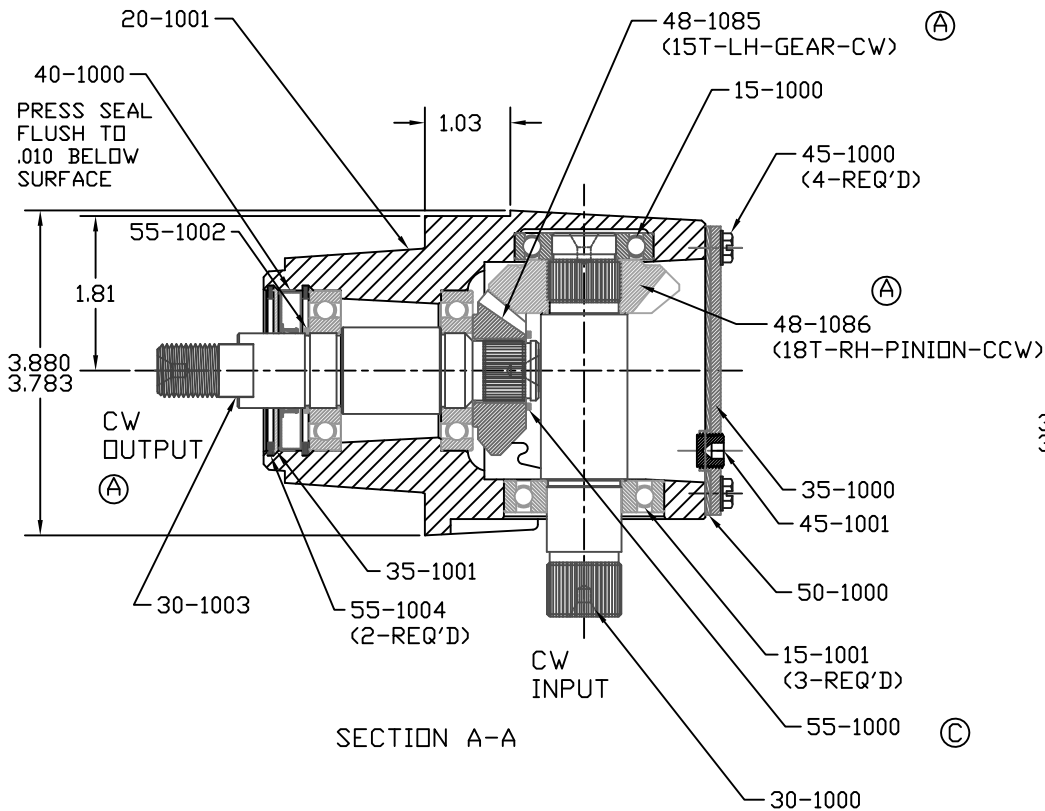
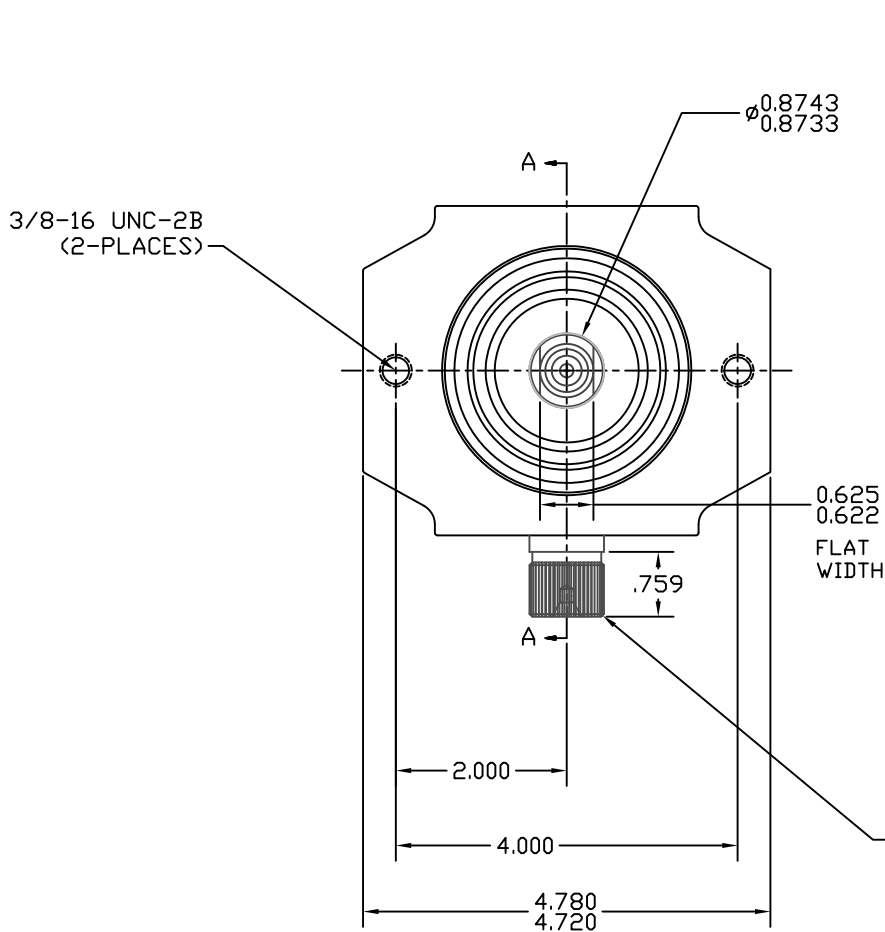
RUN TEST GEARBOX AFTER FILLING WITH 6 OUNCES OF LUBRICATE.

RUN TEST SHOULD BE PERFORMED ON 1-UNIT OUT OF 60-UNITS

OVERALL dB(A): 80 TO 84

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				J-Mac International, LLC P.O. Box 235 - Henryville, IN 47126			
Description: RAD CW-CCW 1.2:1 Ratio		SIZE	FSCM NO.	DWG NO.	105-205	REV	D
SCALE FULL		SHEET					

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
B6 C4	A	Added Db9a), Output Was Input, Added Gear & Pinion Info, 60-units was 50	06.11.16	
	B	.623/.615 was .625/.615	06.29.16	
	C	15-1000 was 15-1001	09.30.16	



SHAFT 30-1003

HARDEN & DRAW TO Rc 40-45

BEARINGS

BEARING P/N 15-1000

- USE SST # R14 BEARING OR EQUAL
- DYNAMIC LOAD RATING: 1,369 LBS
- STATIC LOAD RATING 864.4 LBS

BEARING P/N: 15-1001

- USE SST # R14 BEARING OR EQUAL
- DYNAMIC LOAD RATING: 1,622.9 LBS
- STATIC LOAD RATING: 1,020.4 LBS

LUBRICATION

PENNZOIL SUPER MAXOL EP320

TEXACO MEROPA 320

GEARBOX SHIPPED WITHOUT LUBRICATION

GEARBOX SPECIFICATIONS

ROTATION TYPE: CW

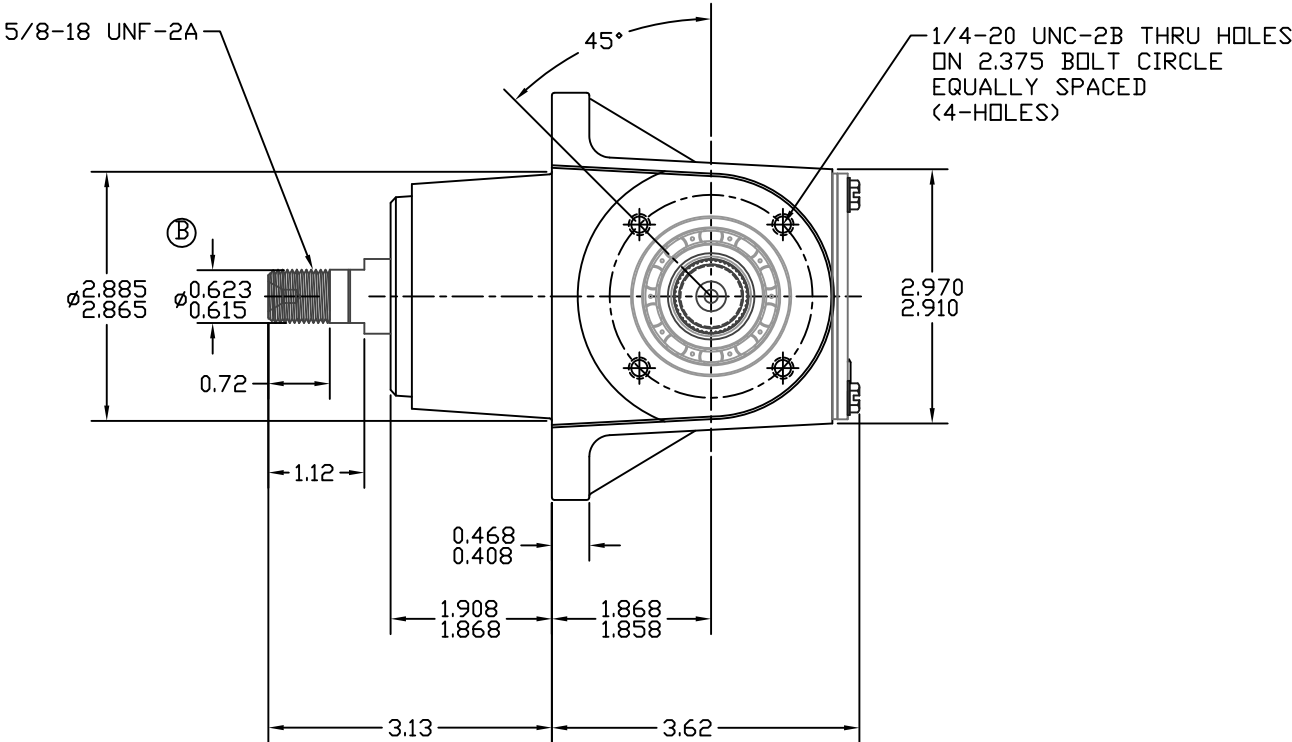
ROTATION: INPUT: CW, OUTPUT: CW Ⓐ

GEAR RATIO: 1.2:1 INCREASE

INPUT SPEED: 3,600 RPM (MAX.)

HORSEPOWER: 7.0 HP @ 3,600 RPM (MAX.)

STATIC TORQUE: 360 IN-LBS (MAX.)



QUALITY INSPECTION

NO LEAKS ALLOWED

GEARBOX MUST ROTATE WITHOUT
STICKING OR BINDING

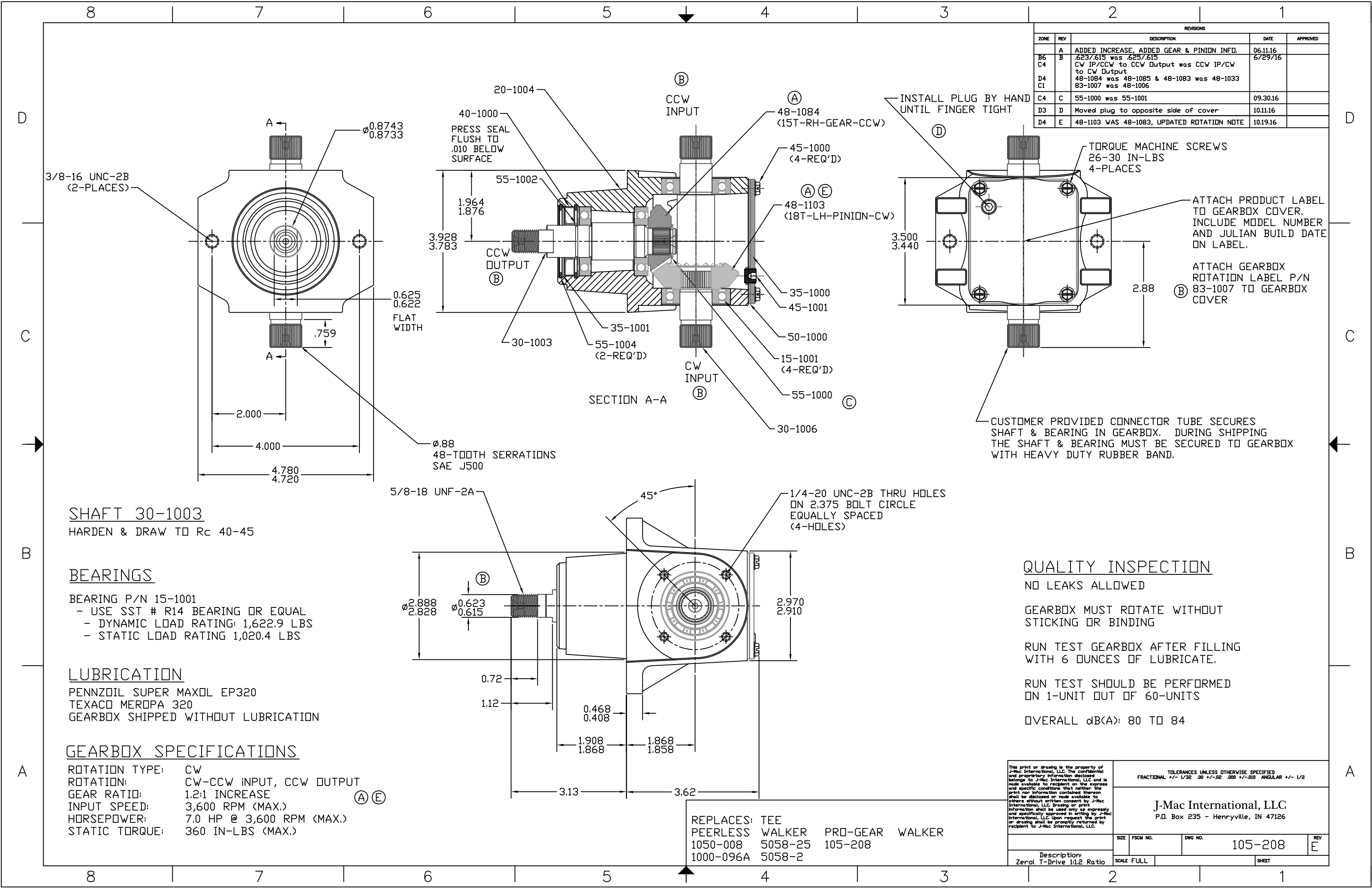
RUN TEST GEARBOX AFTER FILLING
WITH 6 OUNCES OF LUBRICATE.

RUN TEST SHOULD BE PERFORMED
ON 1-UNIT OUT OF 60-UNITS

OVERALL Db(A): 80-84 Ⓐ

REPLACES: LH
PEERLESS WALKER PRO-GEAR WALKER
1050-006A 5052-26 105-206
1000-095A 5052-2

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TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONAL +/- 1/32 .00 +/- .02 .000 +/- .010 ANGULAR +/- 1/2			
J-Mac International, LLC P.O. Box 235 - Henryville, IN 47126			
Description: ZEROL RAD 1.2:1 Ratio		SIZE SCALE FULL	DWG NO. 105-206
		SHEET	
		REV c	



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
B6	A	ADDED INCREASE, ADDED GEAR & PINION INFO.	06.11.16	
C4	B	.623/.615 was .625/.615 CW IP/CCW to CCW Output was CCW IP/CW to CW Output	6/29/16	
D4	C	48-1084 was 48-1085 & 48-1083 was 48-1033 83-1007 was 48-1006		
C4	C	55-1000 was 55-1001	09.30.16	
D3	D	Moved plug to opposite side of cover	10.11.16	
D4	E	48-1103 WAS 48-1083, UPDATED ROTATION NOTE	10.19.16	

QUALITY INSPECTION

NO LEAKS ALLOWED

GEARBOX MUST ROTATE WITHOUT
STICKING OR BINDING

RUN TEST GEARBOX AFTER FILLING
WITH 6 OUNCES OF LUBRICATE.

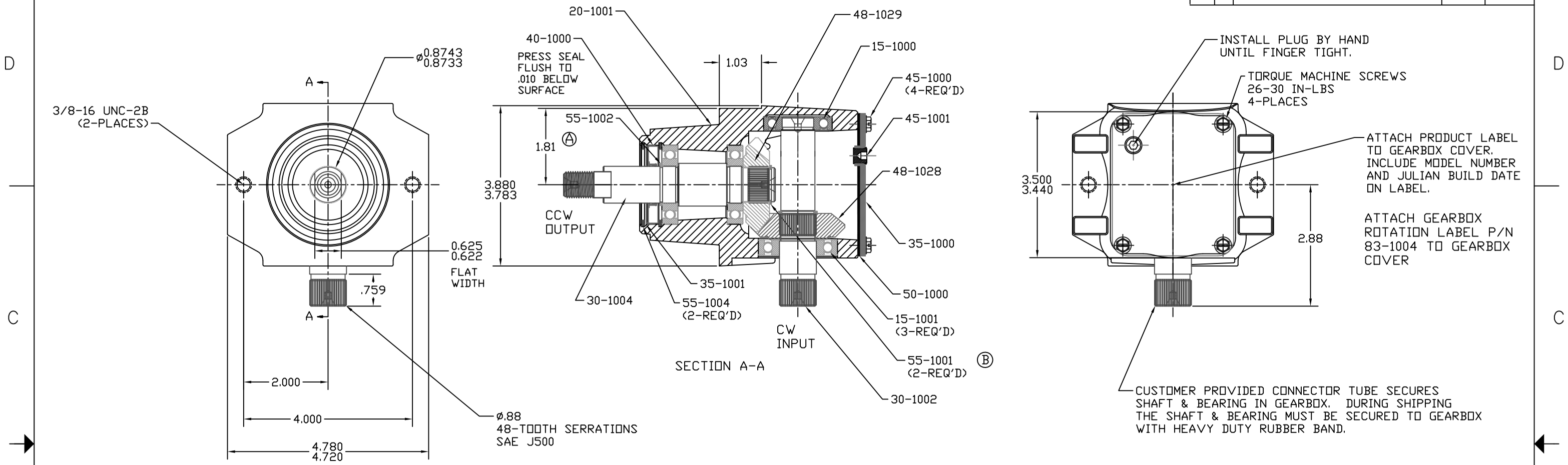
RUN TEST SHOULD BE PERFORMED
ON 1-UNIT OUT OF 60-UNITS

OVERALL dBA: 80 TO 84

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		J-Mac International, LLC P.O. Box 235 - Henryville, IN 47126		
Description: Zero T-Drive 1:1.2 Ratio		SIZE SCALE FULL	DWG NO. 105-208	REV E

REPLACES: TEE
PEERLESS WALKER PRO-GEAR WALKER
1050-008 5058-25 105-208
1000-096A 5058-2

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
B6,D6 C4	A B	UPDATED DIMENSIONS 55-1001 QTY 2 WAS 1	09.28.16 10.29.16	

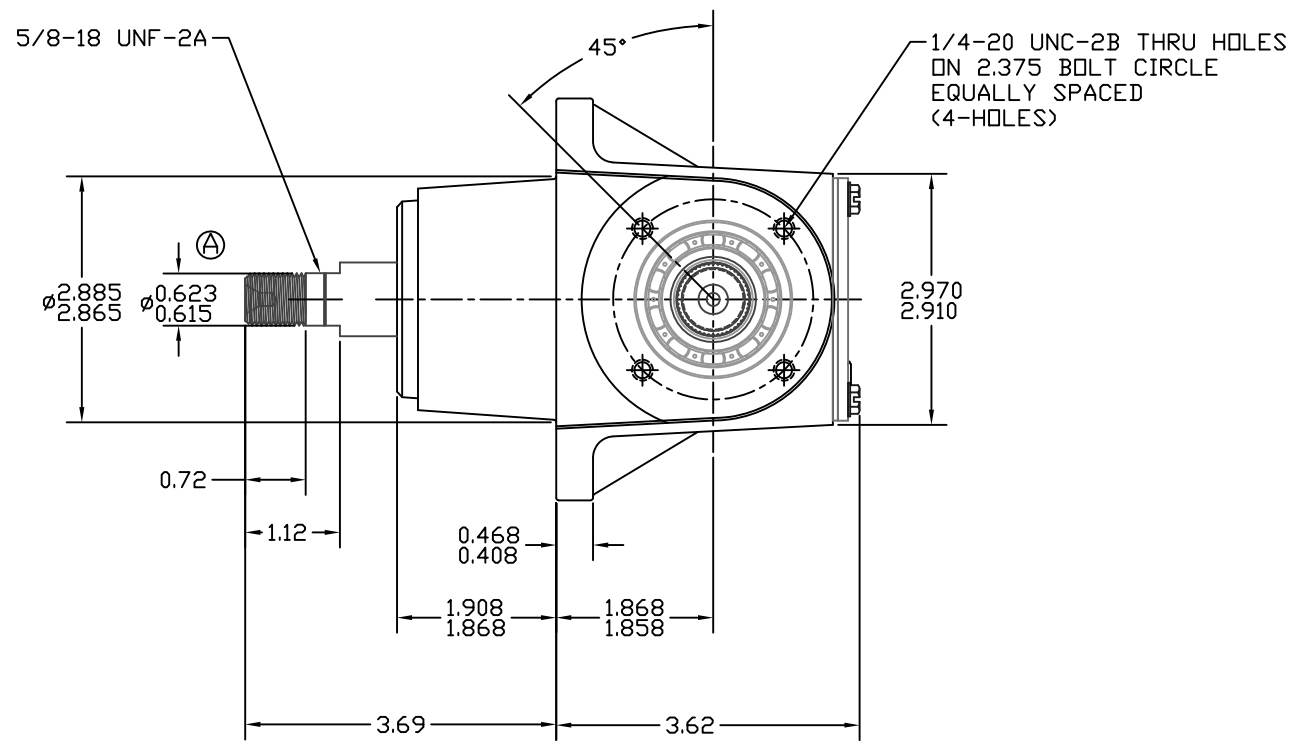


SHAFT: 30-1004
HARDEN & DRAW TO Rc 40-45

BEARINGS
BEARING P/N: 15-1000
- USE SST # R12 BEARING OR EQUAL
- DYNAMIC LOAD RATING: 1,367 LBS
- STATIC LOAD RATING: 864.4 LBS
BEARING P/N: 15-1001
- USE SST # R14 BEARING OR EQUAL
- DYNAMIC LOAD RATING: 1,622.9 LBS
- STATIC LOAD RATING: 1,020.4 LBS

LUBRICATION
PENNZOIL SUPER MAXOL EP320
TEXACO MEROPA 320
GEARBOX SHIPPED WITHOUT LUBRICATION

GEARBOX SPECIFICATIONS
ROTATION TYPE: CW
ROTATION: CW INPUT, CCW OUTPUT
GEAR RATIO: 1:1
INPUT SPEED: 3,600 RPM (MAX.)
HORSEPOWER: 7.0 HP @ 3,600 RPM (MAX.)
STATIC TORQUE: 360 IN-LBS (MAX.)



QUALITY INSPECTION
NO LEAKS ALLOWED
GEARBOX MUST ROTATE WITHOUT STICKING OR BINDING
RUN TEST GEARBOX AFTER FILLING WITH 6 OUNCES OF LUBRICATE.
RUN TEST SHOULD BE PERFORMED ON 1-UNIT OUT OF 60-UNITS
OVERALL dBA: 80 TO 84

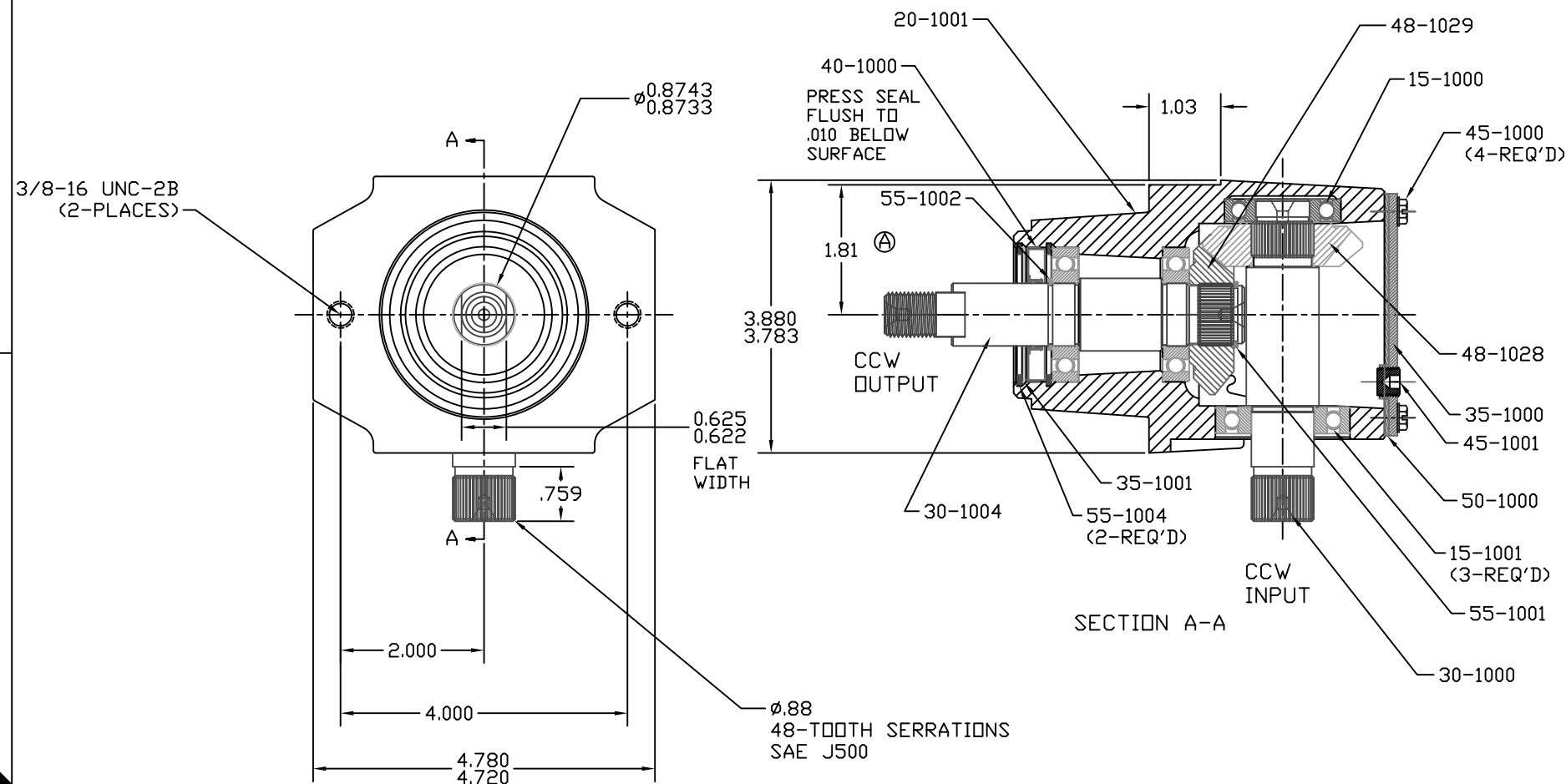
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J-Mac International, LLC P.O. Box 235 - Henryville, IN 47126				J-Mac International, LLC			
Description: ZEROL RAD 1:1 Ratio				SIZE	FSCM NO.	DWG NO.	REV
SCALE FULL						JM105-210	B
SHEET							

D

C

B

A



SHAFT 30-1004

HARDEN & DRAW TO Rc 40-45

BEARINGS

BEARING P/N: 15-1000

- USE SST # R12 BEARING OR EQUAL
- DYNAMIC LOAD RATING: 1,369 LBS
- STATIC LOAD RATING: 864.4 LBS

BEARINGS

BEARING P/N: 15-1001

- USE SST # R14 BEARING OR EQUAL
- DYNAMIC LOAD RATING: 1,622.9 LBS
- STATIC LOAD RATING: 1,020.4 LBS

LUBRICATION

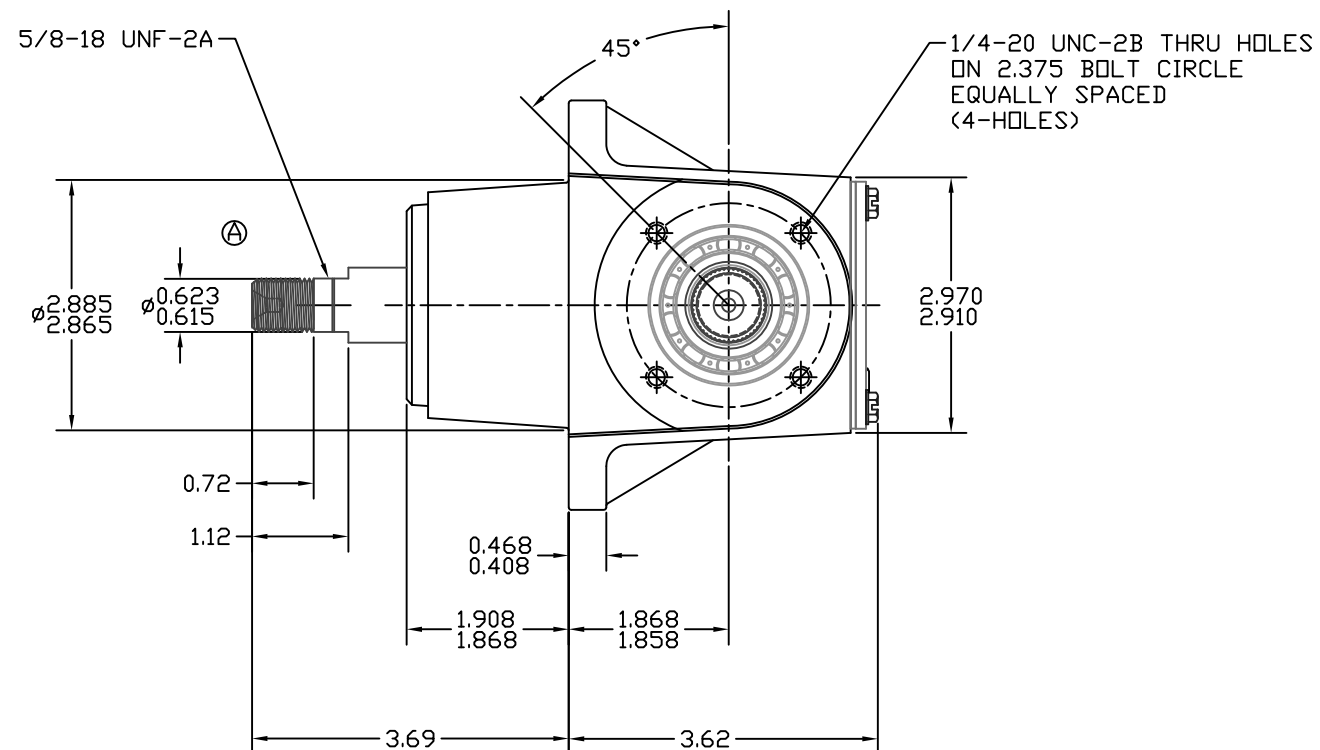
PENNZOIL SUPER MAXOL EP320

TEXACO MEROPA 320

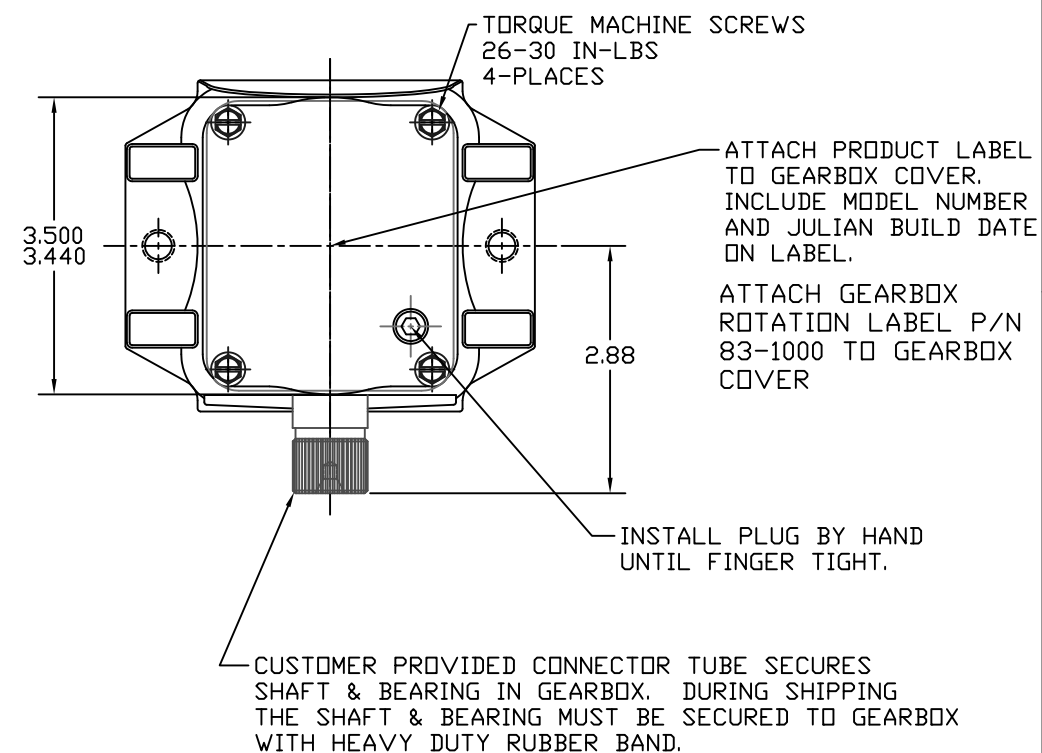
GEARBOX SHIPPED WITHOUT LUBRICATION

GEARBOX SPECIFICATIONS

ROTATION TYPE: CCW
ROTATION: CCW INPUT, CCW OUTPUT
GEAR RATIO: 1:1
INPUT SPEED: 3,600 RPM (MAX.)
HORSEPOWER: 7.0 HP @ 3,600 RPM (MAX.)
STATIC TORQUE: 360 IN-LBS (MAX.)



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



QUALITY INSPECTION

NO LEAKS ALLOWED

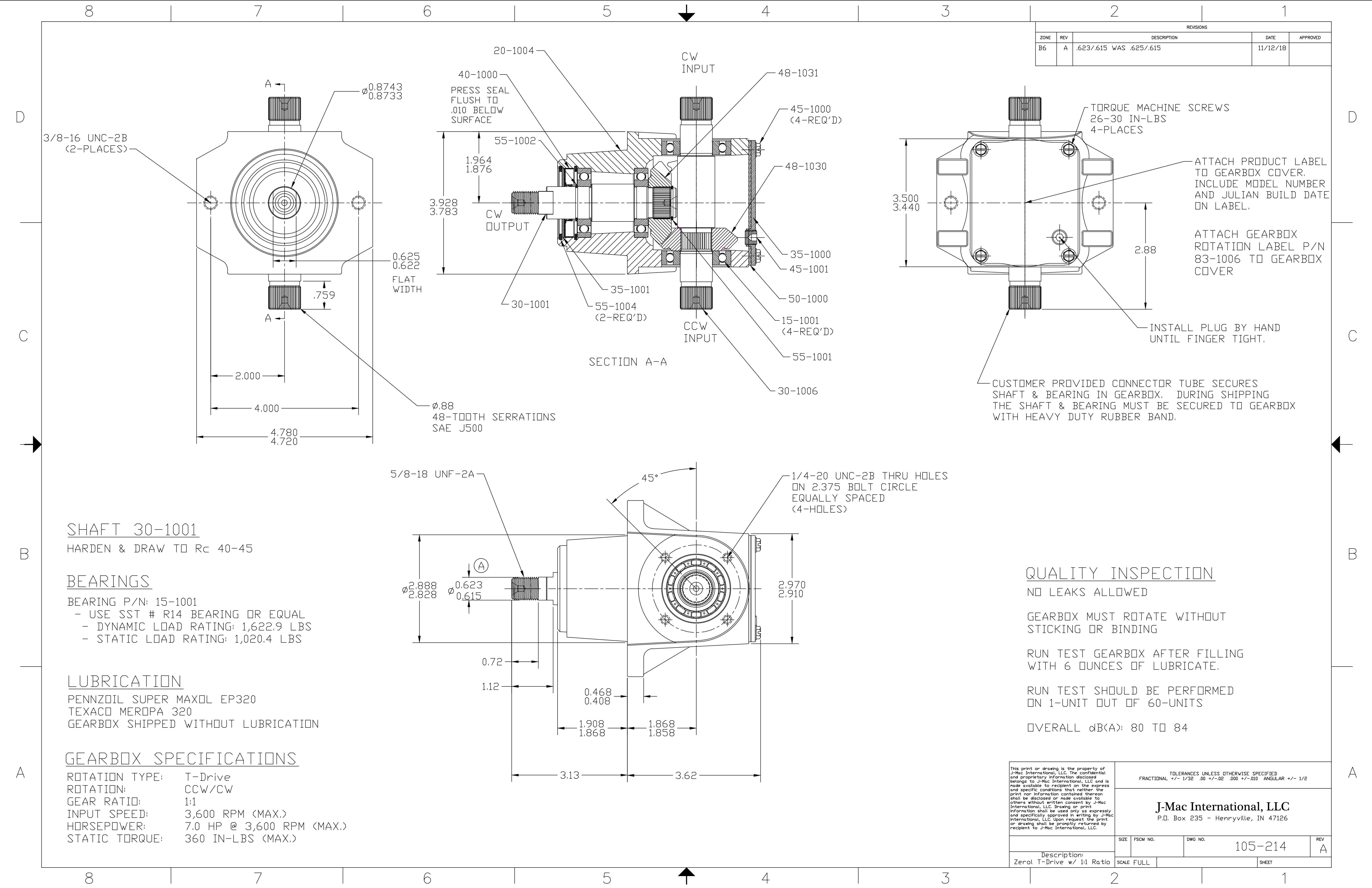
GEARBOX MUST ROTATE WITHOUT STICKING OR BINDING

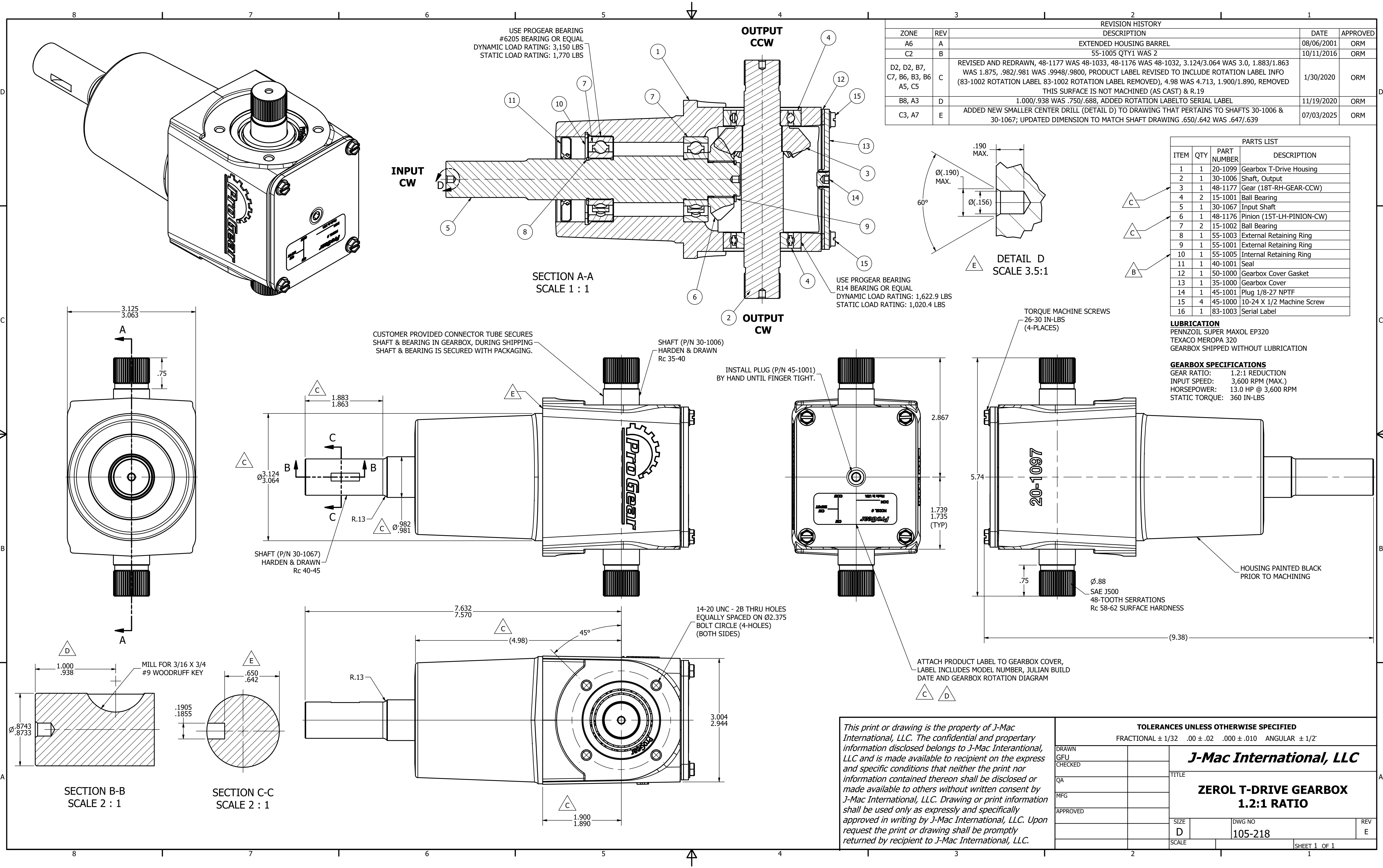
RUN TEST GEARBOX AFTER FILLING WITH 6 OUNCES OF LUBRICATE.

RUN TEST SHOULD BE PERFORMED ON 1-UNIT OUT OF 60-UNITS

OVERALL dBA: 80 TO 84

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	J-Mac International, LLC P.O. Box 235 - Henryville, IN 47126				
Description: ZEROL RAD 1:1 Ratio	SIZE	FSCM NO.	DWG NO.	JM105-211	
	SCALE FULL			SHEET	





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TOLERANCES UNLESS OTHERWISE SPECIFIED			
FRACTIONAL ± 1/32 .00 ± .02 .000 ± .010 ANGULAR ± 1/2°			
DRAWN		J-Mac International, LLC	
CHECKED			
QA			
MFG			
APPROVED		ZEROL T-DRIVE GEARBOX 1.2:1 RATIO	
SCALE	D	DWG NO	REV
		105-218	E
SHEET 1 OF 1			

D

C

B

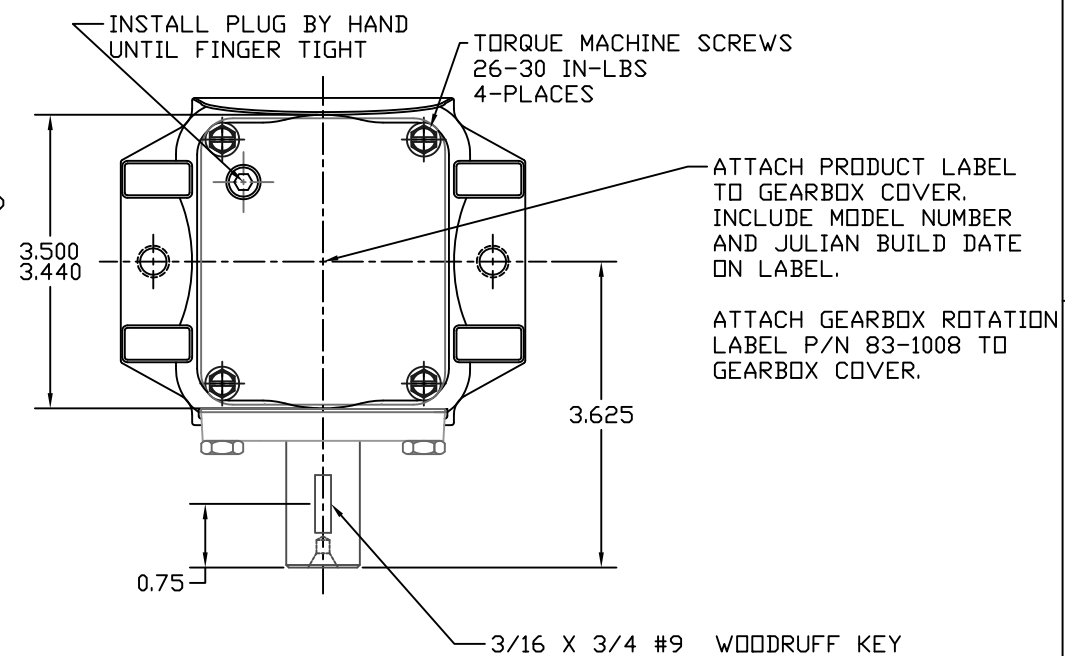
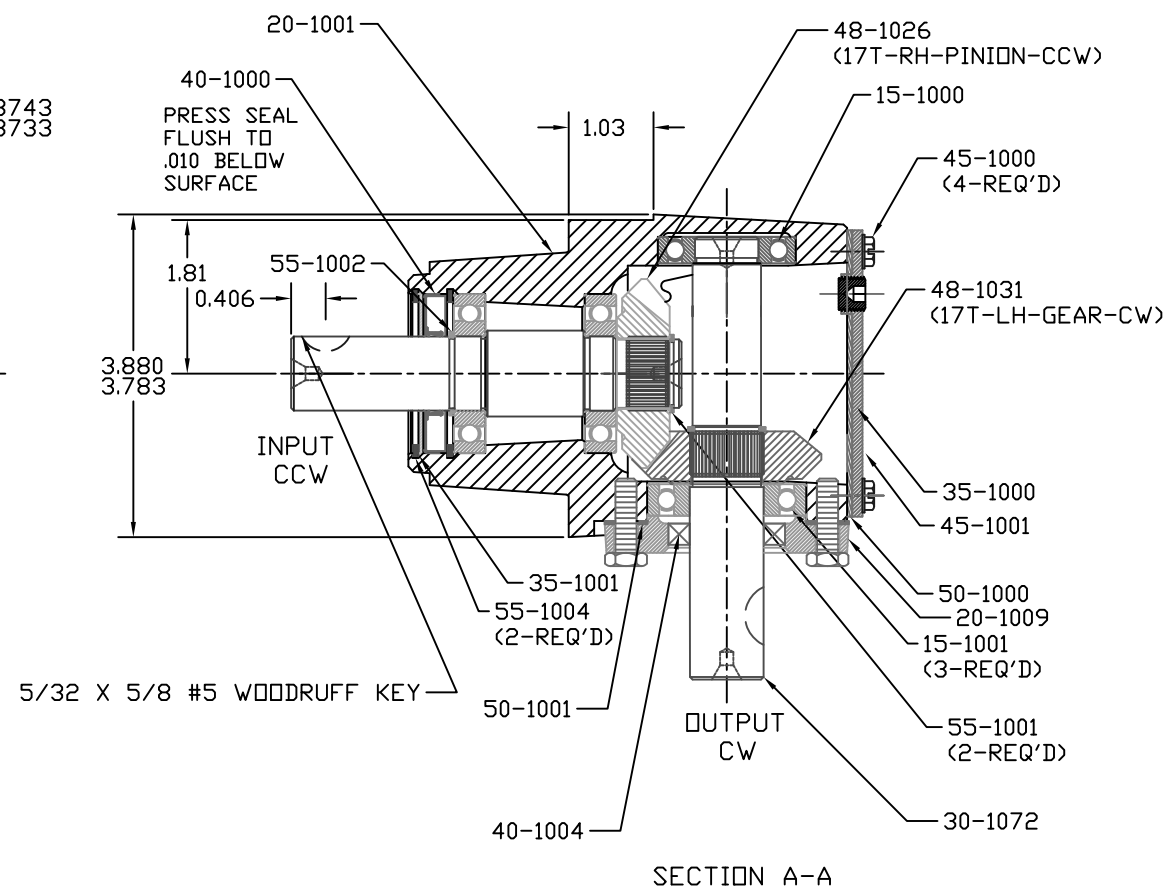
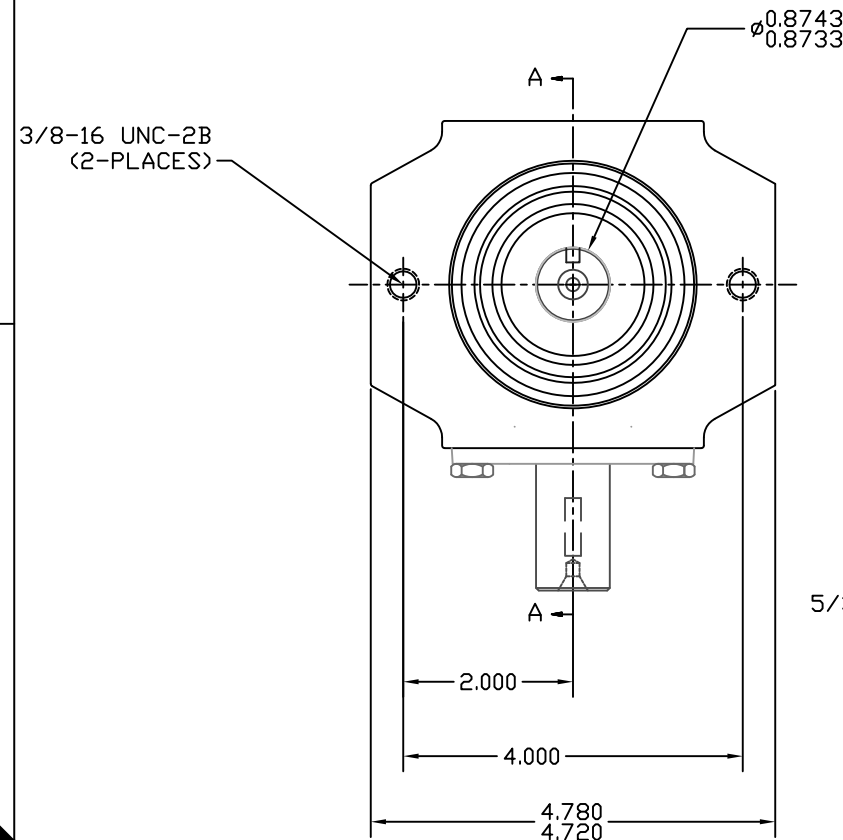
A

D

C

B

A



BEARINGS

BEARING P/N: 15-1000

- USE SST # R12 BEARING OR EQUAL
- DYNAMIC LOAD RATING 1,369 LBS
- STATIC LOAD RATING 864.4 LBS

BEARING P/N: 15-1001

- USE SST # R14 BEARING OR EQUAL
- DYNAMIC LOAD RATING 1,622.9 LBS
- STATIC LOAD RATING 1,020.4 LBS

LUBRICATION

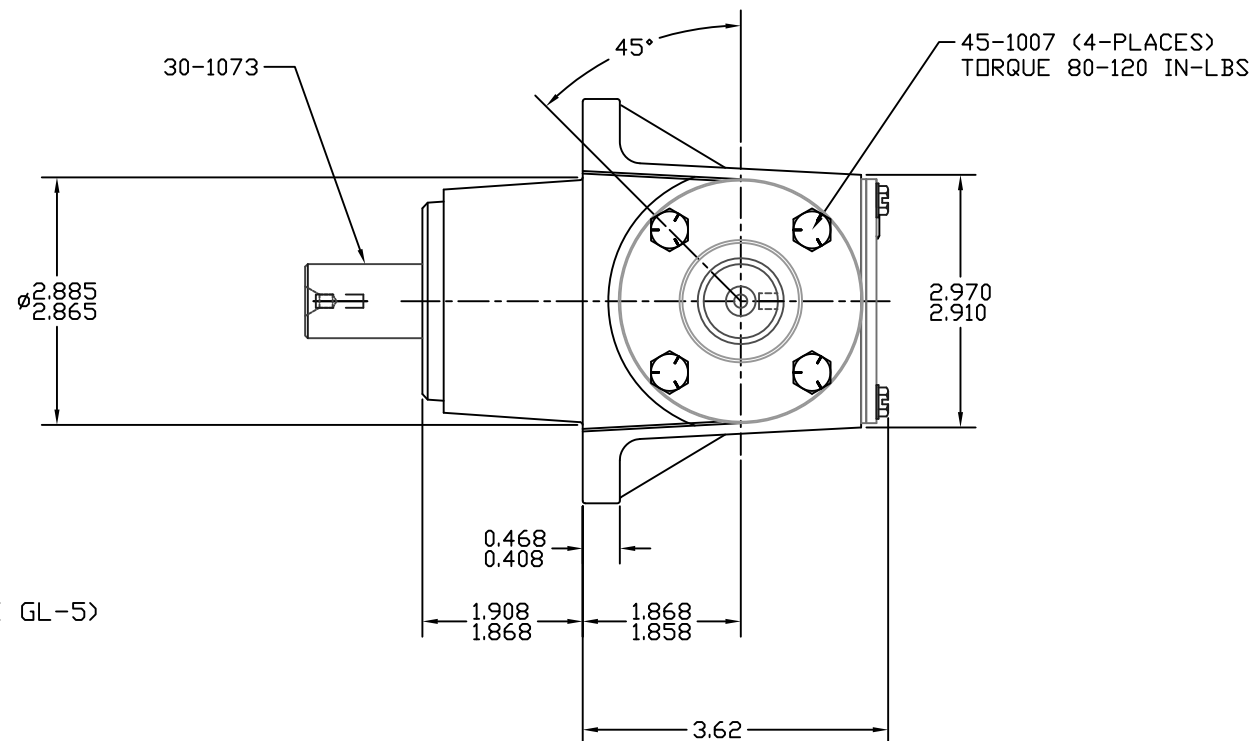
PENNZOIL SUPER MAXOL EP320

TEXACO MEROPA 320

INSTALL 6 OZ'S EXTREME PRESSURE 80W-90 (API GL-5)

GEARBOX SPECIFICATIONS

ROTATION TYPE: CCW
ROTATION: INPUT: CCW, OUTPUT: CW
GEAR RATIO: 1:1
INPUT SPEED: 3,600 RPM (MAX.)
HORSEPOWER: 13.0 HP @ 3,600 RPM (MAX.)
STATIC TORQUE: 360 IN-LBS (MAX.)



SIMILAR PEERLESS 1000-026
105-326 RAD CW-CCW 1:1 RATIO

QUALITY INSPECTION

NO LEAKS ALLOWED

GEARBOX MUST ROTATE WITHOUT
STICKING OR BINDING

RUN TEST GEARBOX AFTER FILLING
WITH 6 OUNCES OF LUBRICATE.

RUN TEST SHOULD BE PERFORMED
ON 1-UNIT OUT OF 60-UNITS

OVERALL Db(A): 80 TO 84

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J-Mac International, LLC P.O. Box 235 - Henryville, IN 47126					Description: RAD. w/ 1:1 Ratio				
					SCALE FULL				
SIZE	FSCM NO.	DWG NO.	REV	IR	105-226				
SHEET									

D

C

B

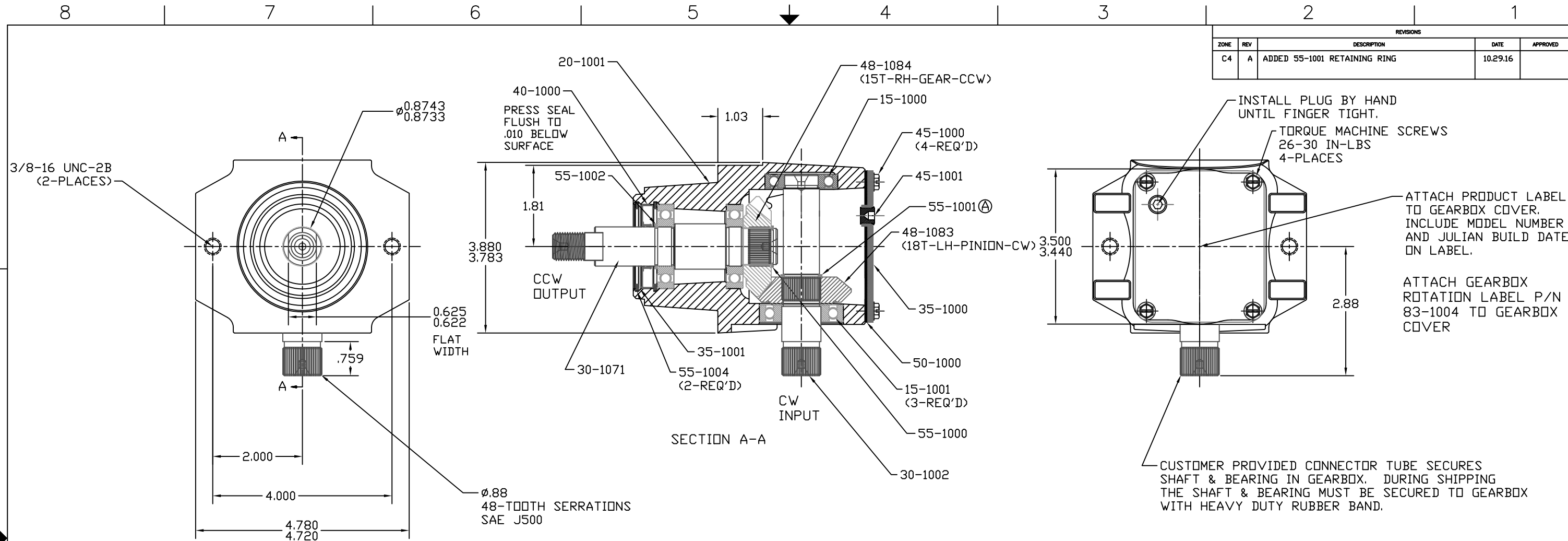
A

D

C

B

A



SHAFT: 30-1071

HARDEN & DRAW TO Rc 40-45

BEARINGS

BEARING P/N: 15-1000

- USE SST # R12 BEARING OR EQUAL
- DYNAMIC LOAD RATING: 1,367 LBS
- STATIC LOAD RATING: 864.4 LBS

BEARING P/N: 15-1001

- USE SST # R14 BEARING OR EQUAL
- DYNAMIC LOAD RATING: 1,622.9 LBS
- STATIC LOAD RATING: 1,020.4 LBS

LUBRICATION

PENNZOIL SUPER MAXOL EP320

TEXACO MEROPA 320

GEARBOX SHIPPED WITHOUT LUBRICATION

GEARBOX SPECIFICATIONS

ROTATION TYPE: CW
ROTATION: CW INPUT, CCW OUTPUT
GEAR RATIO: 1.2:1 INCREASE
INPUT SPEED: 3,600 RPM (MAX.)
HORSEPOWER: 7.0 HP @ 3,600 RPM (MAX.)
STATIC TORQUE: 360 IN-LBS (MAX.)

QUALITY INSPECTION

NO LEAKS ALLOWED

GEARBOX MUST ROTATE WITHOUT STICKING OR BINDING

RUN TEST GEARBOX AFTER FILLING WITH 6 OUNCES OF LUBRICATE.

RUN TEST SHOULD BE PERFORMED ON 1-UNIT OUT OF 60-UNITS

OVERALL dBA: 80 TO 84

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J-Mac International, LLC P.O. Box 235 - Henryville, IN 47126				J-Mac International, LLC			
Description: ZEROL RAD 1.2:1 Ratio				SIZE	FSCM NO.	DWG NO.	REV
SCALE FULL				JM105-237			A
				SHEET			

D

C

B

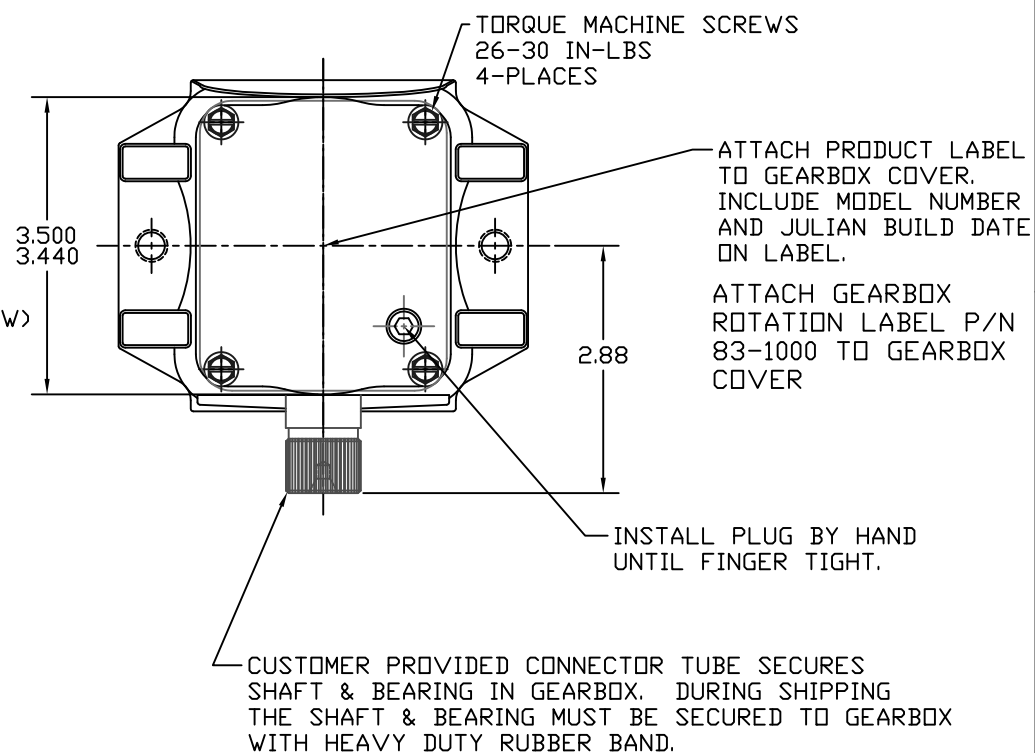
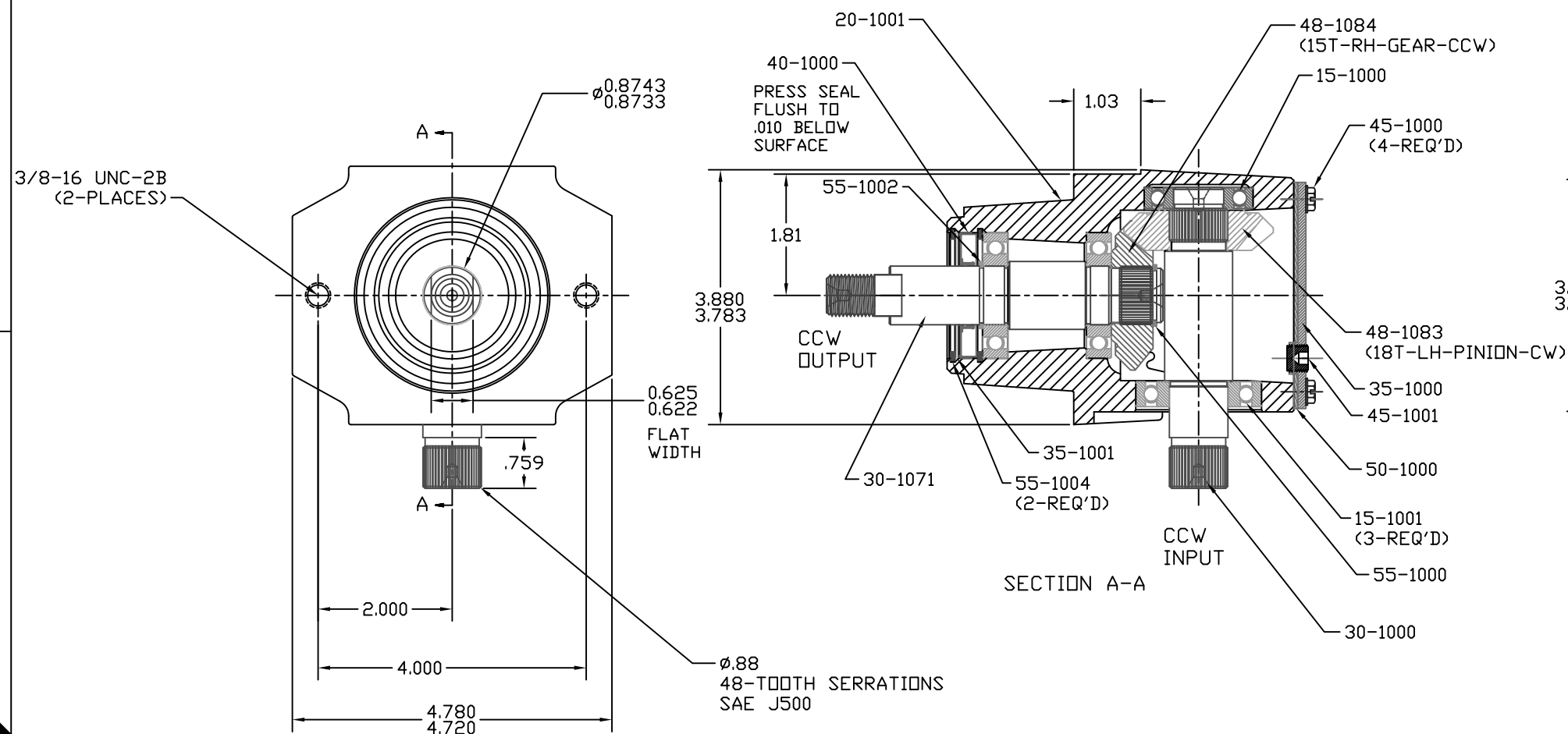
A

D

C

B

A



SHAFT 30-1071

HARDEN & DRAW TO Rc 40-45

BEARINGS

BEARING P/N: 15-1000

- USE SST # R12 BEARING OR EQUAL
- DYNAMIC LOAD RATING: 1,369 LBS
- STATIC LOAD RATING: 864.4 LBS

BEARINGS

BEARING P/N: 15-1001

- USE SST # R14 BEARING OR EQUAL
- DYNAMIC LOAD RATING: 1,622.9 LBS
- STATIC LOAD RATING: 1,020.4 LBS

LUBRICATION

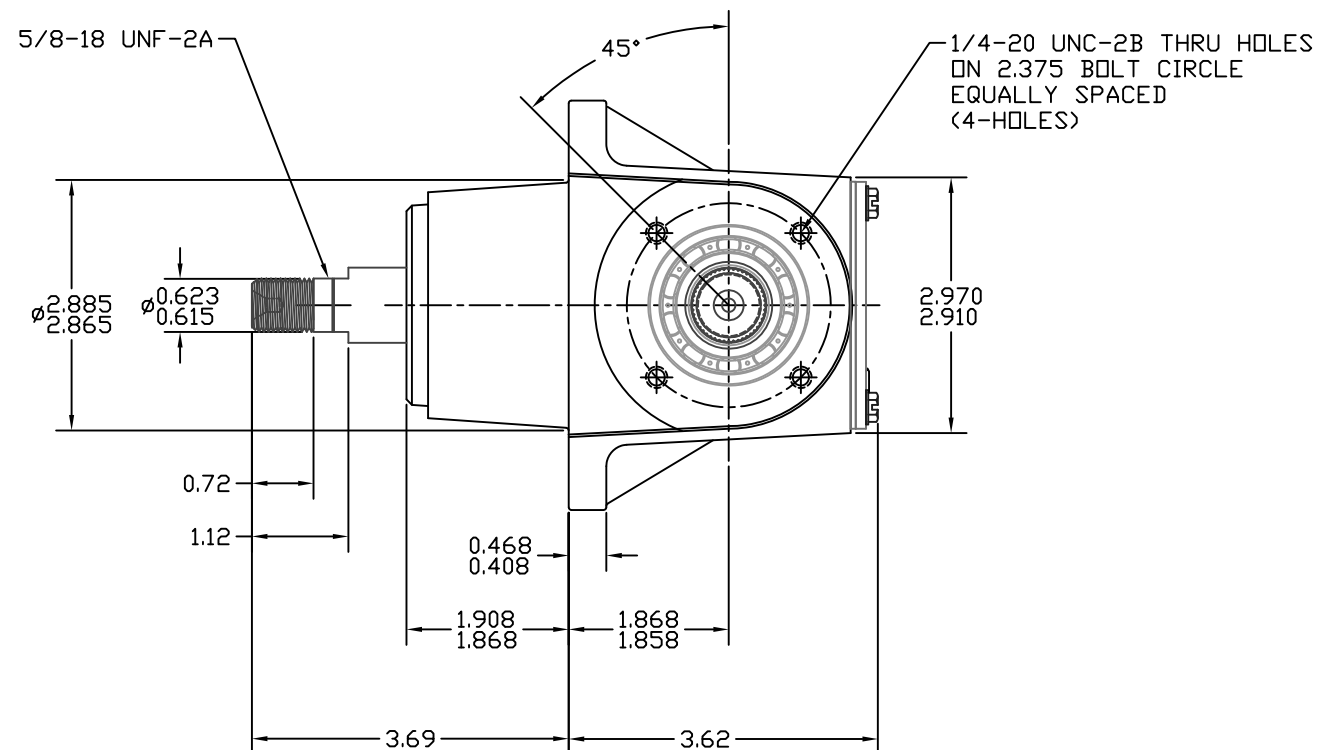
PENNZOIL SUPER MAXOL EP320

TEXACO MEROPA 320

GEARBOX SHIPPED WITHOUT LUBRICATION

GEARBOX SPECIFICATIONS

ROTATION TYPE: CCW
ROTATION: CCW INPUT, CCW OUTPUT
GEAR RATIO: 1.2:1 INCREASE
INPUT SPEED: 3,600 RPM (MAX.)
HORSEPOWER: 7.0 HP @ 3,600 RPM (MAX.)
STATIC TORQUE: 360 IN-LBS (MAX.)



QUALITY INSPECTION

NO LEAKS ALLOWED

GEARBOX MUST ROTATE WITHOUT STICKING OR BINDING

RUN TEST GEARBOX AFTER FILLING WITH 6 OUNCES OF LUBRICATE.

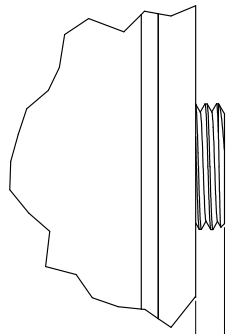
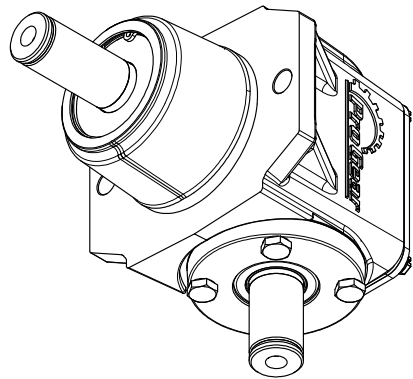
RUN TEST SHOULD BE PERFORMED ON 1-UNIT OUT OF 60-UNITS

OVERALL dBA: 80 TO 84

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J-Mac International, LLC P.O. Box 235 - Henryville, IN 47126				SIZE	FSCM NO.	DWG NO.	REV
				SCALE FULL		JM105-238	IR
Description: ZEROL RAD 1.2:1 Ratio				SHEET			

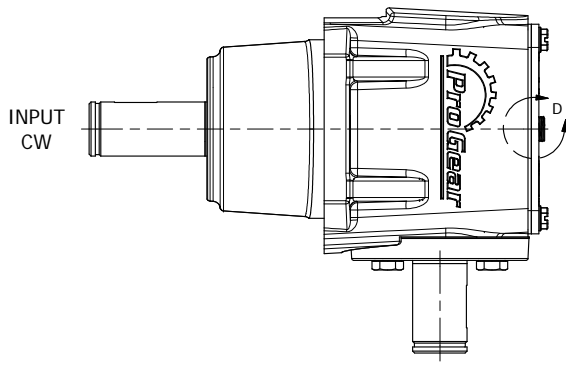
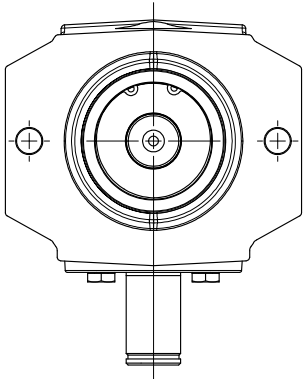
REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
F1	A	INITIAL RELEASE	03/01/17	
		83-1009 WAS 83-1004	3/2/2017	
F5, H1 D3 B8	B	UPDATED GEAR DESCRIPTION	3/9/2017	
		HOUSING - P/N 20-1123 WAS 20-1001		
		Ø .406 WAS 3/8-16 UNC-2B UPDATED LUBE SPECIFICATIONS		

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	20-1123	GEARBOX HOUSING - RAD
2	1	35-1001	SEAL PROTECTOR
3	3	15-1001	BALL BEARING
4	1	15-1000	BALL BEARING
5	2	55-1004	RETAINING RING - INTERNAL
6	1	40-1000	SEAL
7	1	35-1000	GEARBOX COVER
8	1	50-1000	GEARBOX COVER GASKET
9	1	55-1001	RETAINING RING - EXT.
10	1	55-1002	RETAINING RING - EXT.
11	4	45-1000	10-24 X 1/2 MACHINE SCREW
12	1	45-1001	PLUG 1/8-27 NPTF
13	1	83-1003	SERIAL LABEL
14	1	48-1030	GEAR 17T-RH-CCW
15	1	48-1028	PINION 17T-LH-CW
16	1	30-1074	OUTPUT SHAFT
17	1	30-1075	INPUT SHAFT
18	1	20-1009	RETAINER CAP
19	1	50-1001	RETAINER CAP GASKET
20	4	45-1007	HHCS 1/4-20 X 7/8
21	1	40-1004	SEAL
22	1	83-1009	DECAL, RAD, CW INPUT / CCW



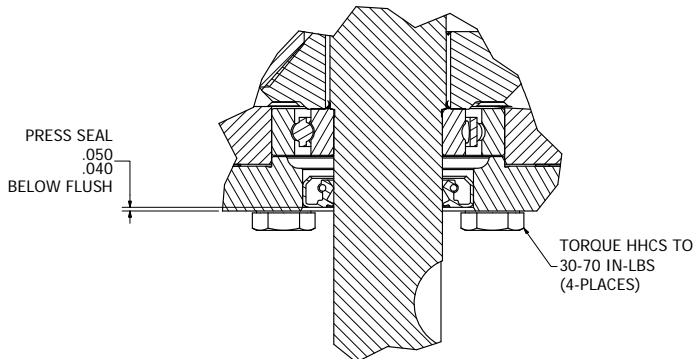
DETAIL D
SCALE 5 : 1

TORQUE PLUG TO
60 IN-LBS (MIN.)
FLUSH TO .100 ABOVE
COVER SURFACE



INPUT
CW

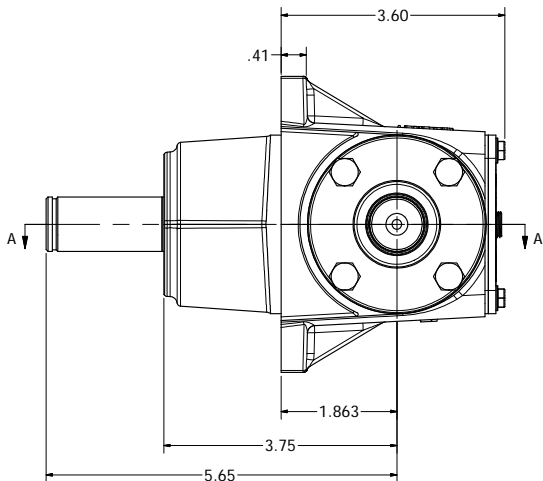
OUTPUT
CCW



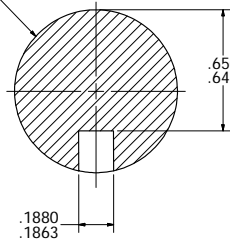
PRESS SEAL
.050
.040
BELOW FLUSH

TORQUE HHCS TO
30-70 IN-LBS
(4-PLACES)

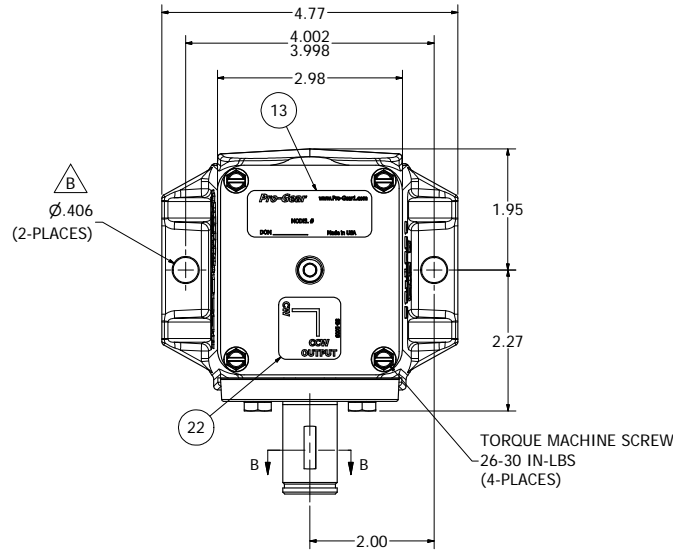
DETAIL C
SCALE 2 : 1



KEYWAY SPECIFICATIONS ARE
THE SAME FOR BOTH SHAFTS



SECTION B-B
SCALE 3 : 1



QUALITY INSPECTION
NO LEAKS ALLOWED

GEARBOX MUST ROTATE WITHOUT
STICKING OR BINDING

RUN TEST GEARBOX AFTER FILLING
WITH 6 OUNCES OF LUBRICATE.

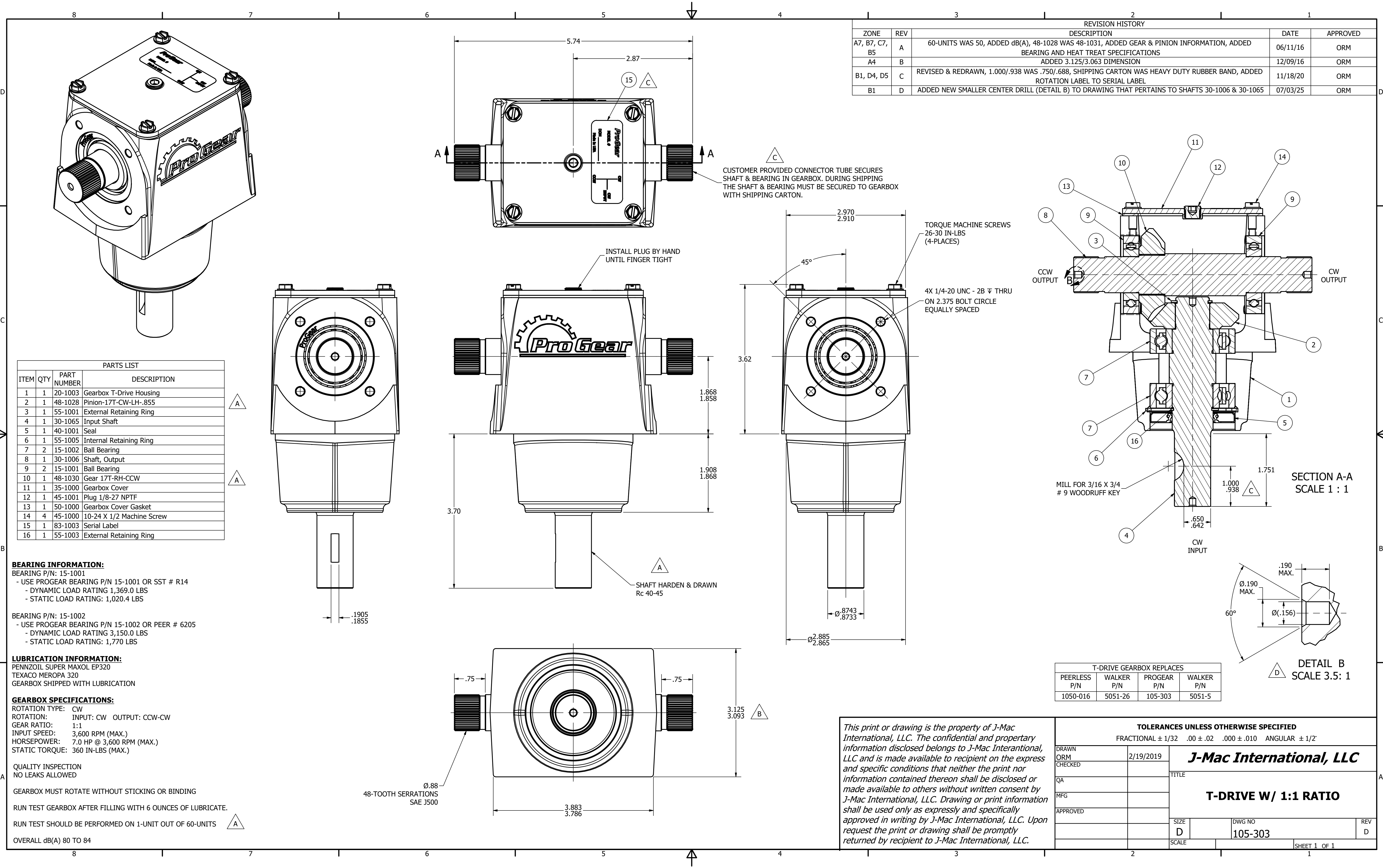
RUN TEST SHOULD BE PERFORMED
ON 1-UNIT OUT OF 60-UNITS

OVERALL dB(A): 80 TO 84

REPLACES PEERLESS P/N 1000-042A

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TOLERANCES UNLESS OTHERWISE SPECIFIED				
FRACTIONAL	± 1/32	.00 ± .02	.000 ± .010	ANGULAR ± 1/2°
DRAWN	2/17/2017	J-Mac International, LLC Simpsonville, Kentucky USA		
CRM				
CHECKED				
QA				
MFG		RAD CW/CCW 1:1 RATIO		
APPROVED				
		SIZE E	DWG NO 105-242	REV B
		SCALE		SHEET 1 OF 1



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
B6	A	623/.615 was .625/.615	6/29/16	
A5	A	3.13 was 3.30	6/29/16	
D5	B	Update Dimension	9/30/16	
C4	B	55-1000 was 55-1001	9/30/16	
C1	C	83-1000 was 83-1001	10/11/16	

D

C

B

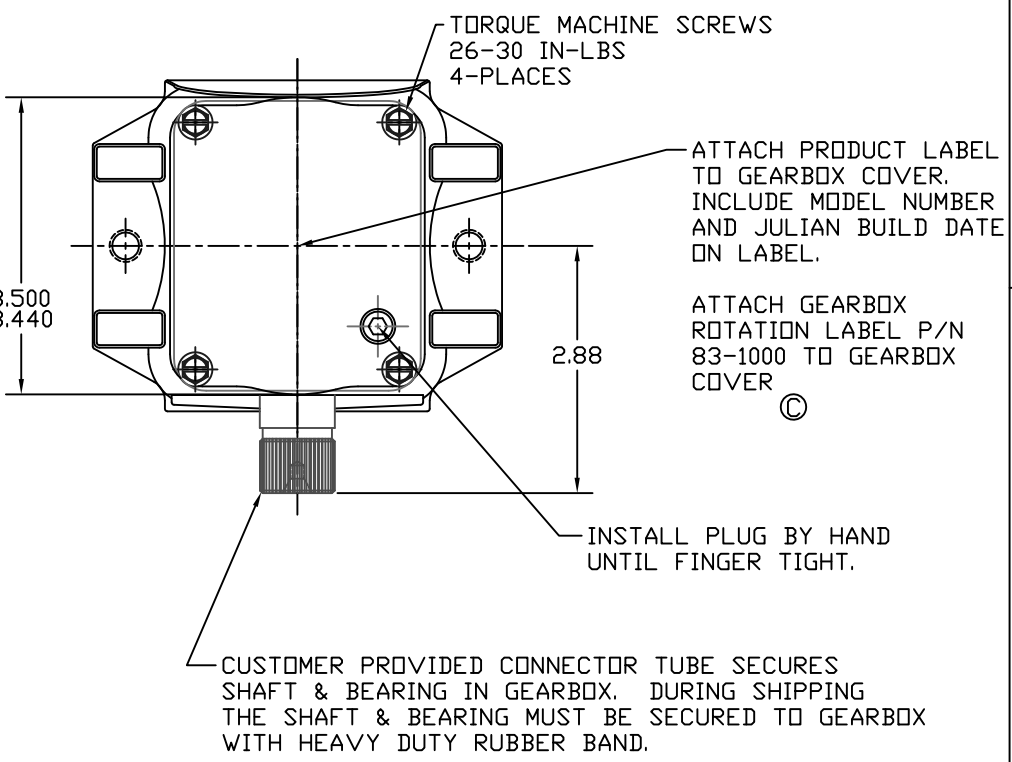
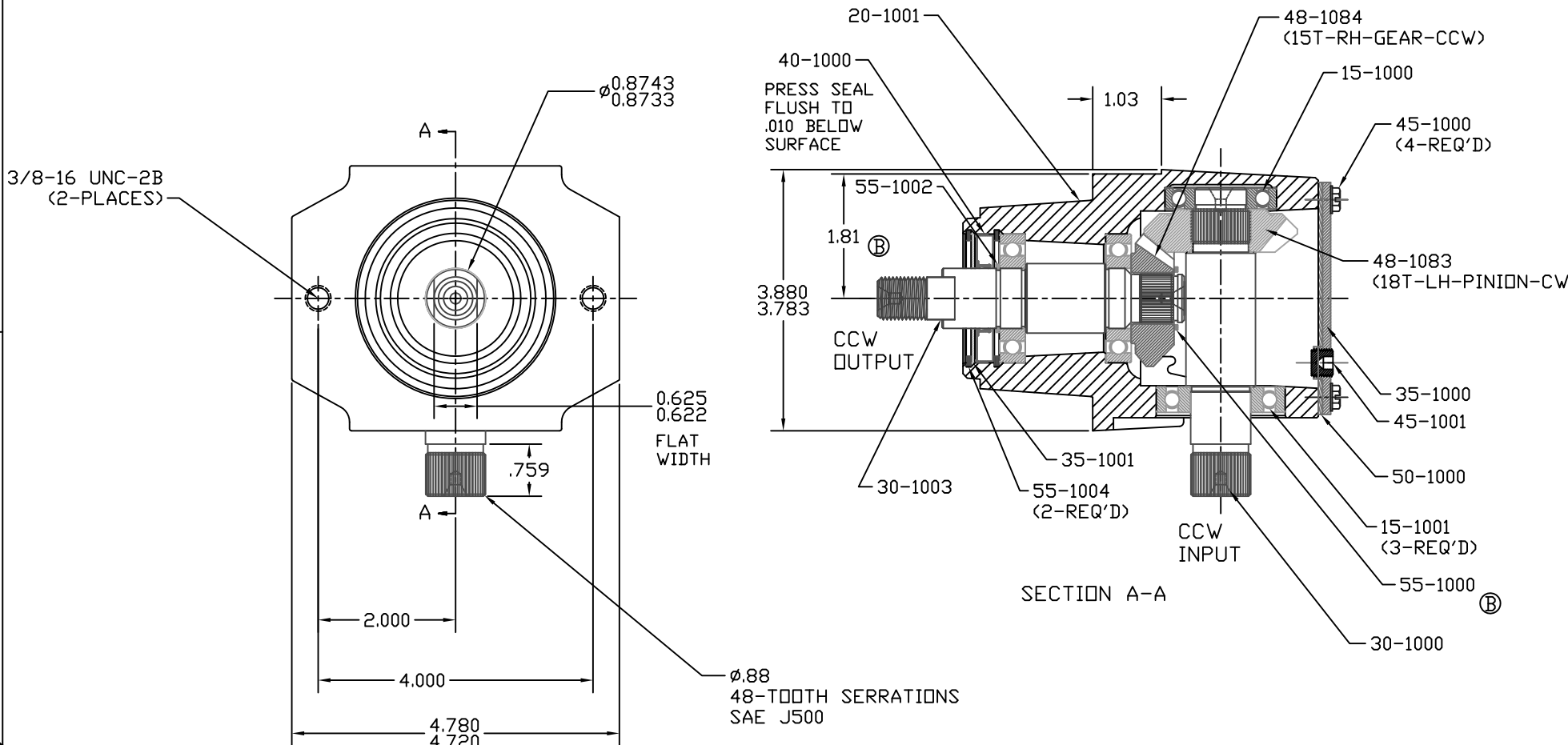
A

D

C

B

A



SHAFT 30-1003

HARDEN & DRAW TO Rc 40-45

BEARINGS

BEARING P/N 15-1000

- USE SST # R14 BEARING OR EQUAL
- DYNAMIC LOAD RATING: 1,369 LBS
- STATIC LOAD RATING 864.4 LBS

BEARING P/N: 15-1001

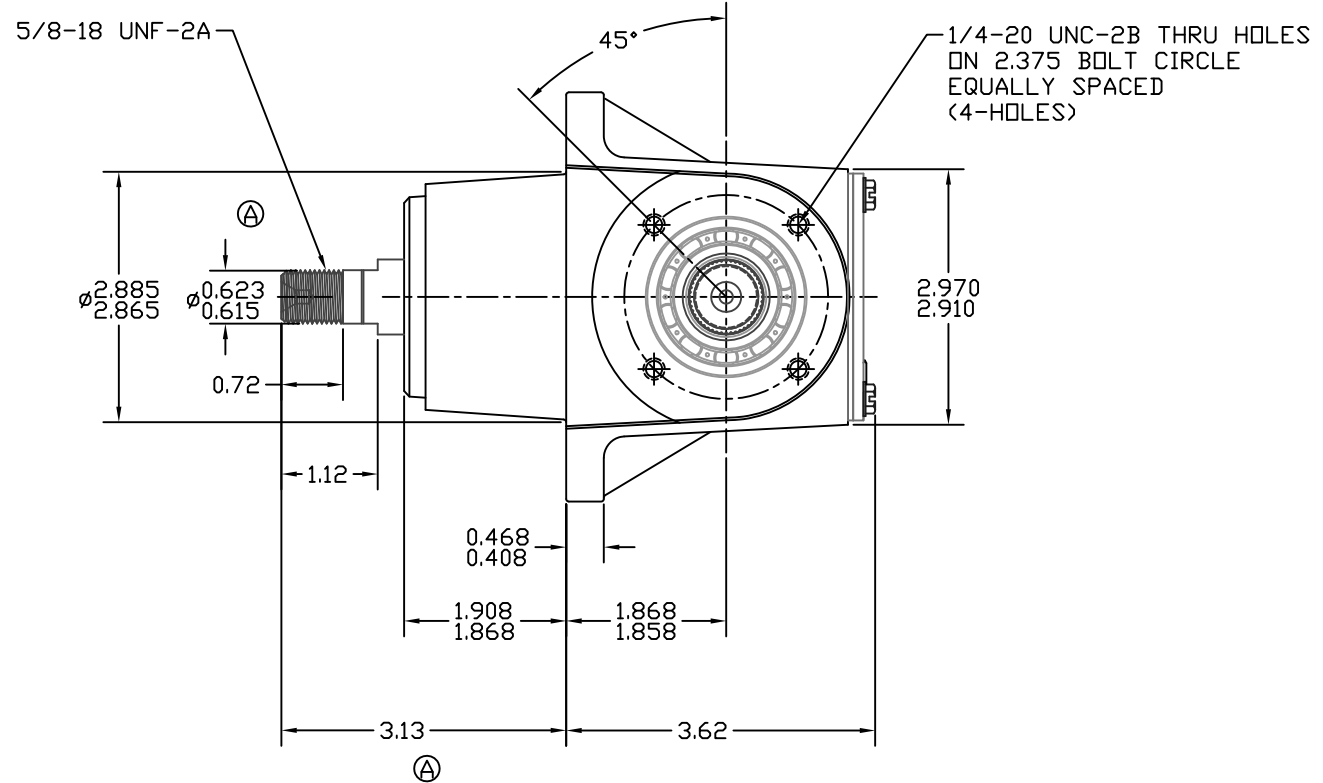
- USE SST # R14 BEARING OR EQUAL
- DYNAMIC LOAD RATING: 1,622.9 LBS
- STATIC LOAD RATING: 1,020.4 LBS

LUBRICATION

PENNZOIL SUPER MAXOL EP320
TEXACO MEROPA 320
GEARBOX SHIPPED WITHOUT LUBRICATION

GEARBOX SPECIFICATIONS

ROTATION TYPE: CCW
ROTATION: INPUT: CCW, OUTPUT: CCW
GEAR RATIO: 1.2:1 INCREASE
INPUT SPEED: 3,600 RPM (MAX.)
HORSEPOWER: 7.0 HP @ 3,600 RPM (MAX.)
STATIC TORQUE: 360 IN-LBS (MAX.)



QUALITY INSPECTION

NO LEAKS ALLOWED

GEARBOX MUST ROTATE WITHOUT STICKING OR BINDING

RUN TEST GEARBOX AFTER FILLING WITH 6 OUNCES OF LUBRICATE.

RUN TEST SHOULD BE PERFORMED ON 1-UNIT OUT OF 60-UNITS

OVERALL Db(A): 80-84

REPLACES: RH
PEERLESS WALKER PRO-GEAR WALKER
1050-006A 5052-6 105-306
1000-095A 5052-2

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TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONAL +/- 1/32 .00 +/- .02 .000 +/- .010 ANGULAR +/- 1/2			
J-Mac International, LLC P.O. Box 235 - Henryville, IN 47126			
Description: ZEROL RAD 1.2:1 Ratio		SIZE FSCM NO.	REV c
SCALE FULL		DWG NO. 105-306	SHEET

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
B6 C1	A B	.623/.615 was .625/.615 83-1001 was 83-1000	6/29/16 10/11/16	

D

C

B

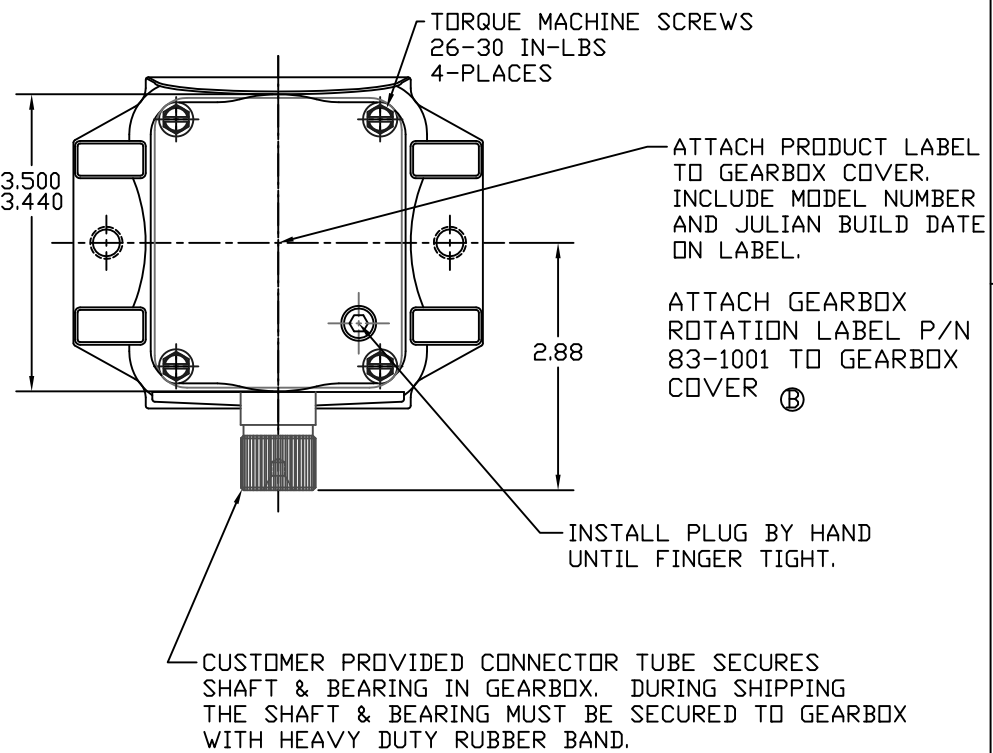
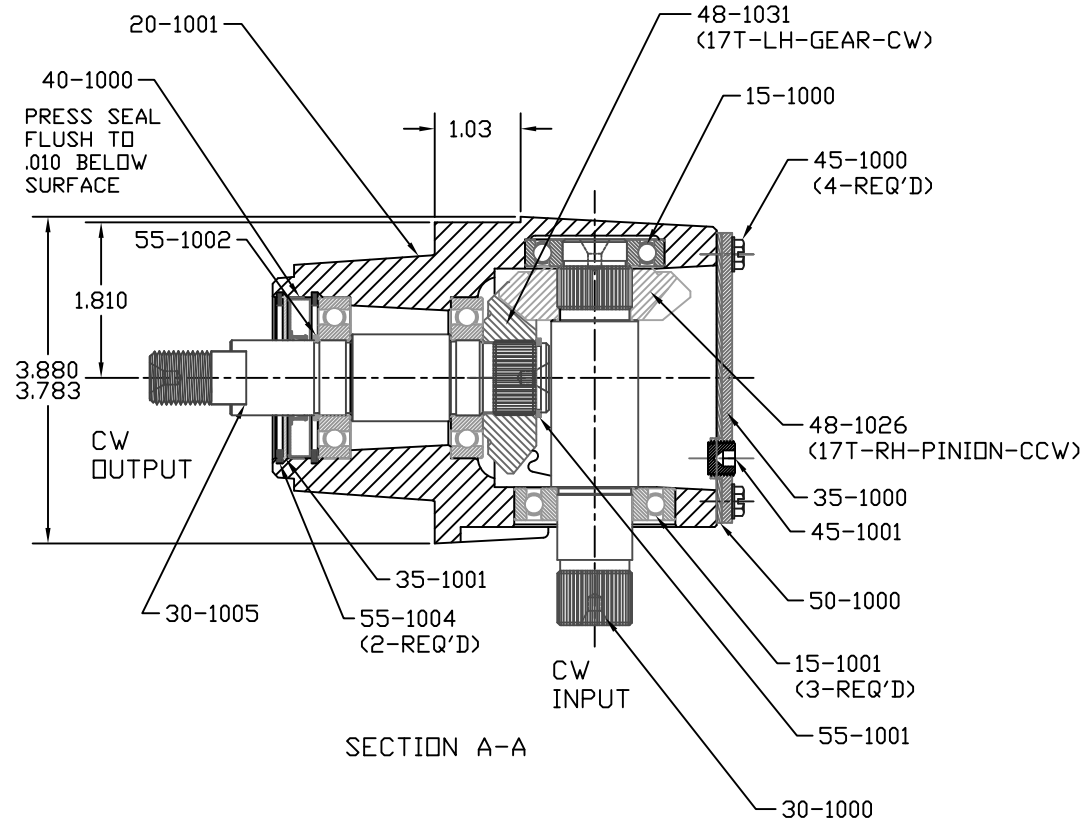
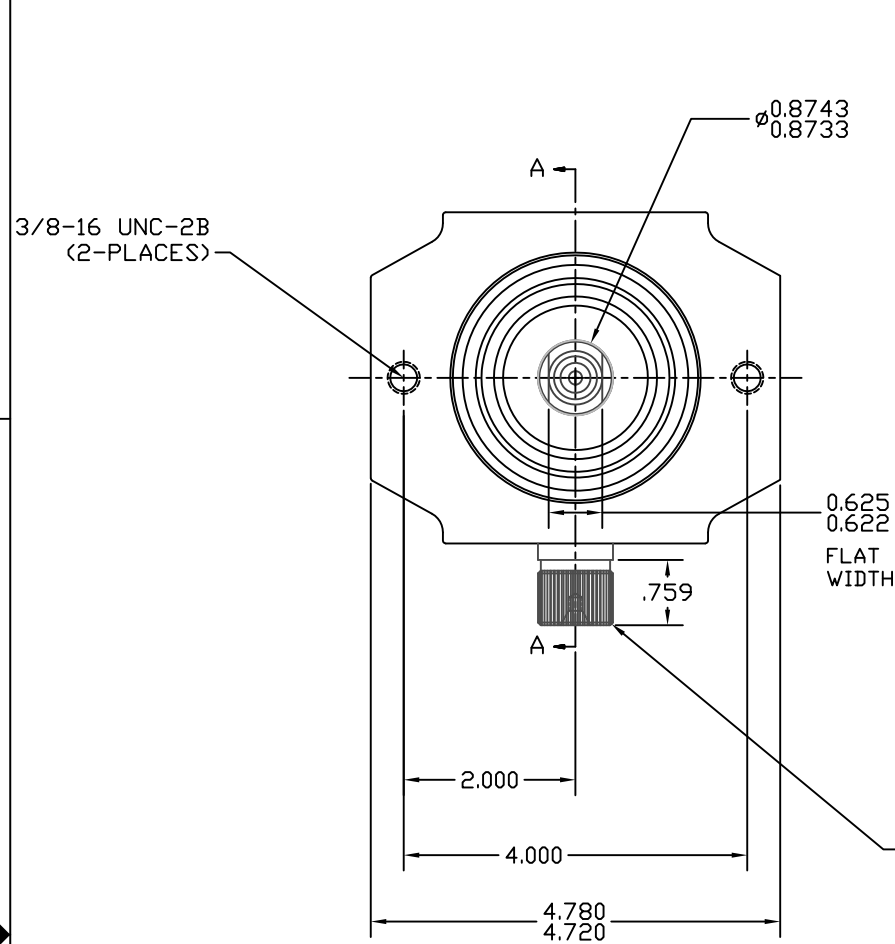
A

D

C

B

A



SHAFT 30-1005

HARDEN & DRAW TO Rc 40-45

BEARINGS

BEARING P/N: 15-1000

- USE SST # R12 BEARING OR EQUAL
- DYNAMIC LOAD RATING: 1,369 LBS
- STATIC LOAD RATING: 864.4 LBS

BEARING P/N 15-1001

- USE SST # R14 BEARING OR EQUAL
- DYNAMIC LOAD RATING: 1,622.9 LBS
- STATIC LOAD RATING: 1,020.4 LBS

LUBRICATION

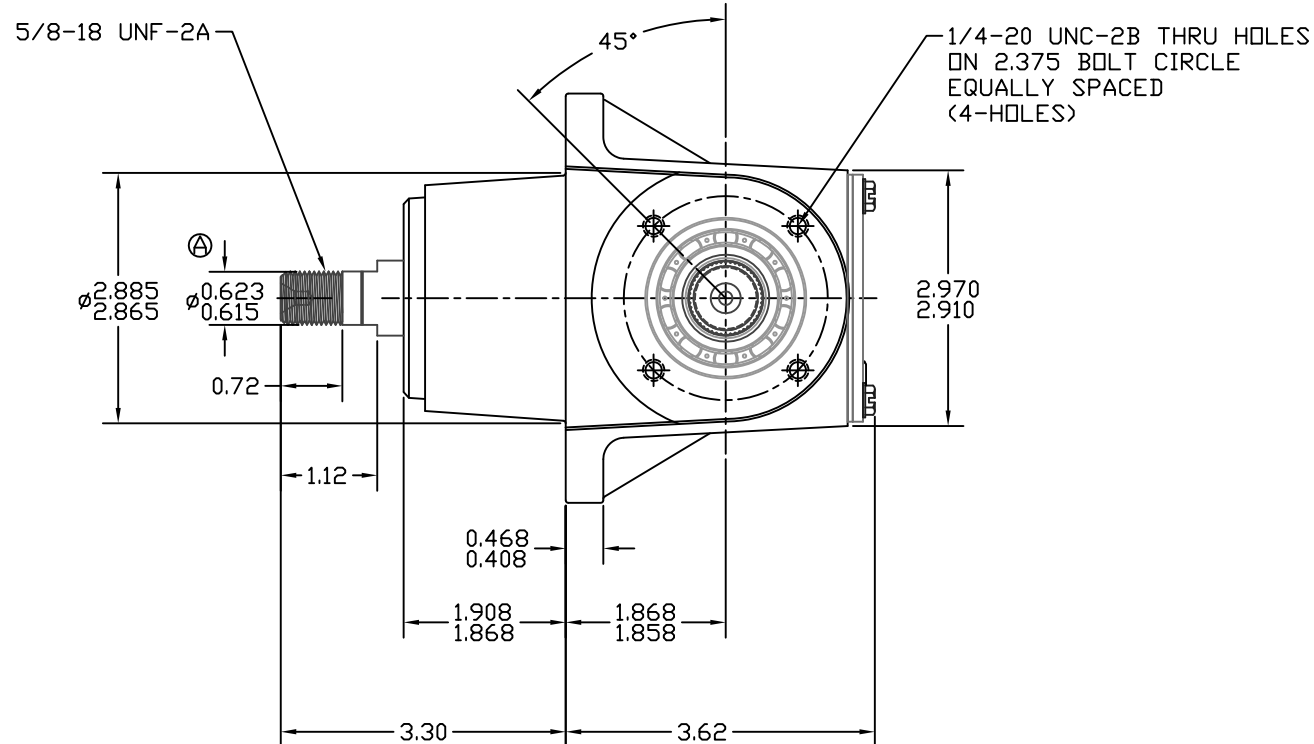
PENNZOIL SUPER MAXOL EP320

TEXACO MEROPA 320

GEARBOX SHIPPED WITHOUT LUBRICATION

GEARBOX SPECIFICATIONS

ROTATION TYPE: CW
ROTATION: CW INPUT, CW OUTPUT
GEAR RATIO: 1:1
INPUT SPEED: 3,600 RPM (MAX.)
HORSEPOWER: 7.0 HP @ 3,600 RPM (MAX.)
STATIC TORQUE: 360 IN-LBS (MAX.)



QUALITY INSPECTION

NO LEAKS ALLOWED

GEARBOX MUST ROTATE WITHOUT STICKING OR BINDING

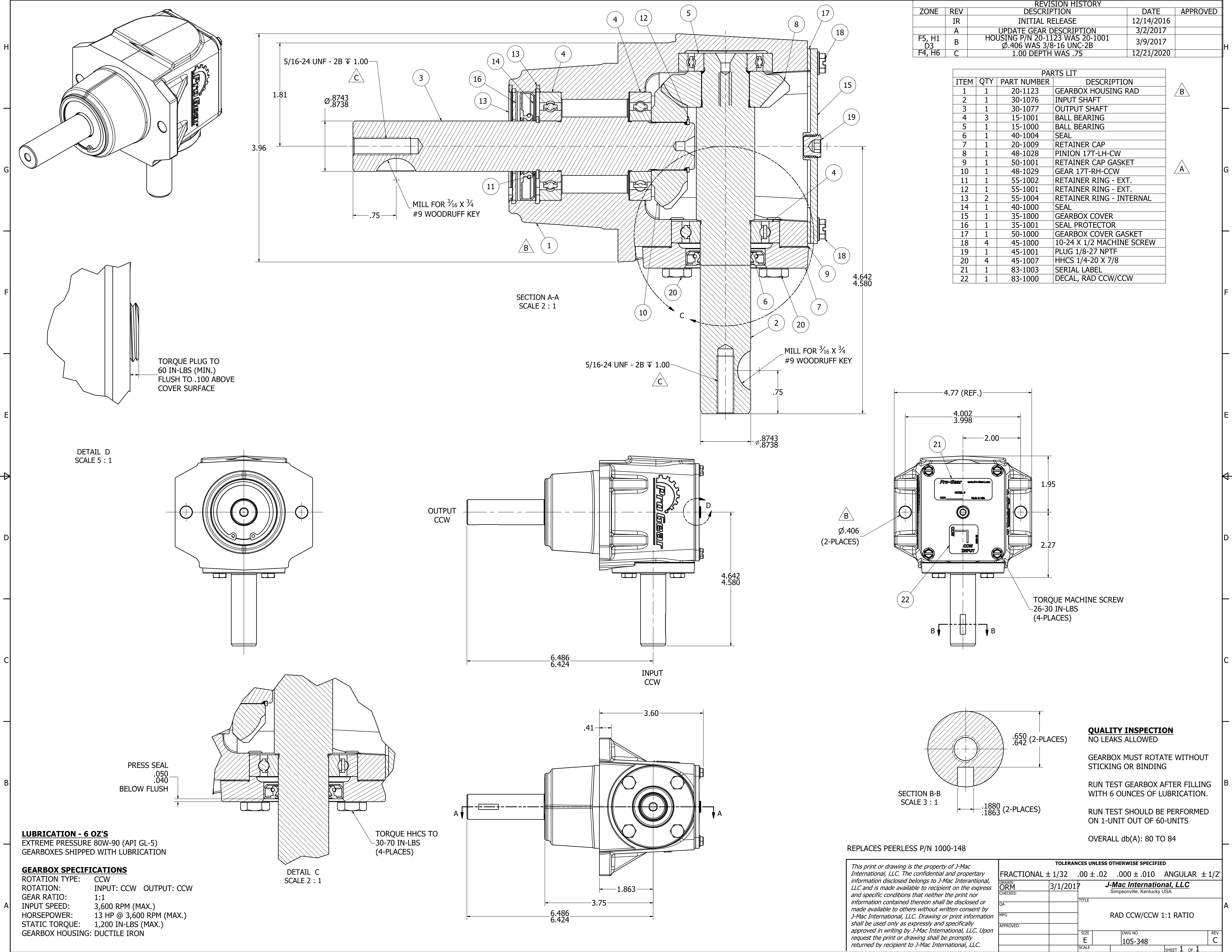
RUN TEST GEARBOX AFTER FILLING WITH 6 OUNCES OF LUBRICATE.

RUN TEST SHOULD BE PERFORMED ON 1-UNIT OUT OF 60-UNITS

OVERALL dBA: 80 TO 84

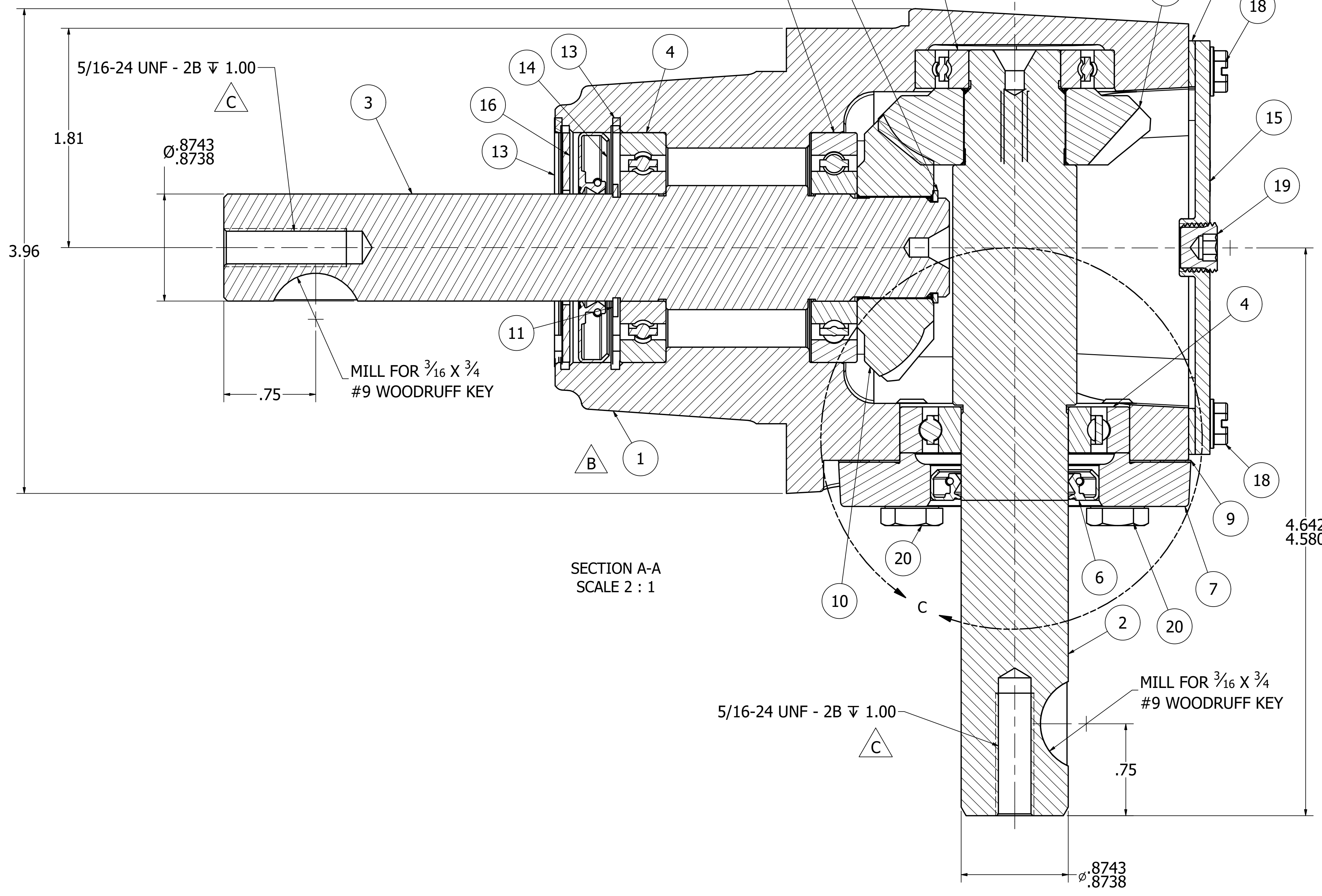
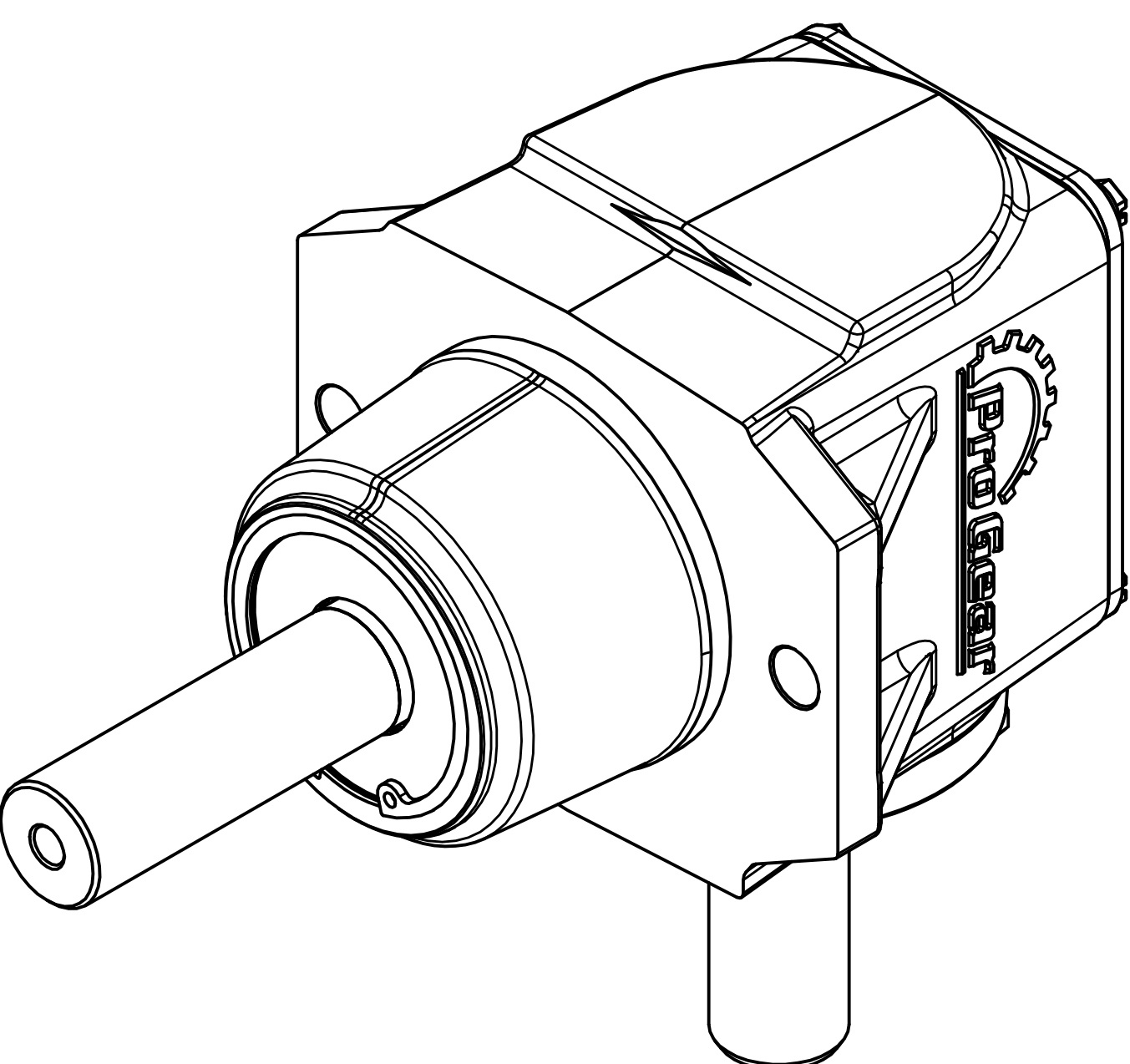
REPLACES:
PEERLESS 1050-007
1000-074A
WALKER 5052-27
5052-10
PRO-GEAR 105-307
WALKER

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TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONAL +/- 1/32 .00 +/- .02 .000 +/- .010 ANGULAR +/- 1/2				
J-Mac International, LLC P.O. Box 235 - Henryville, IN 47126				
Description: ZEROL RAD 1:1 Ratio		SIZE FSCM NO.	DWG NO. 105-307	REV B
SCALE FULL		SHEET		

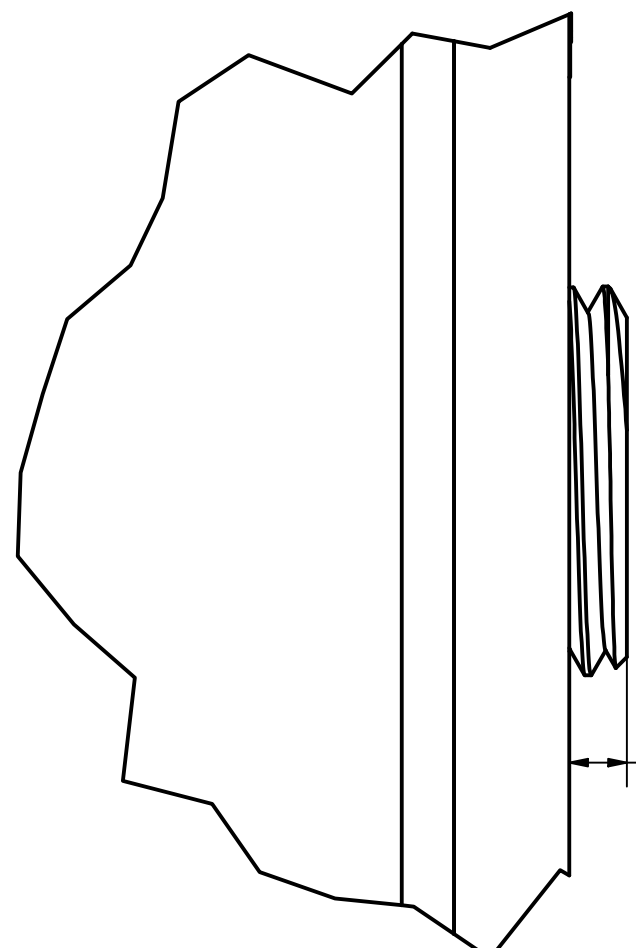


ZONE		REV	REVISION HISTORY		DATE	APPROVED
		IR	DESCRIPTION			
		A	INITIAL RELEASE		12/14/2016	
		B	UPDATE GEAR DESCRIPTION		3/2/2017	
F5, H1	D3	A	HOUSING P/N 20-1123 WAS 20-1001		3/9/2017	
F4, H6	C	C	Ø.406 WAS 3/8-16 UNC-2B 1.00 DEPTH WAS .75		12/21/2020	

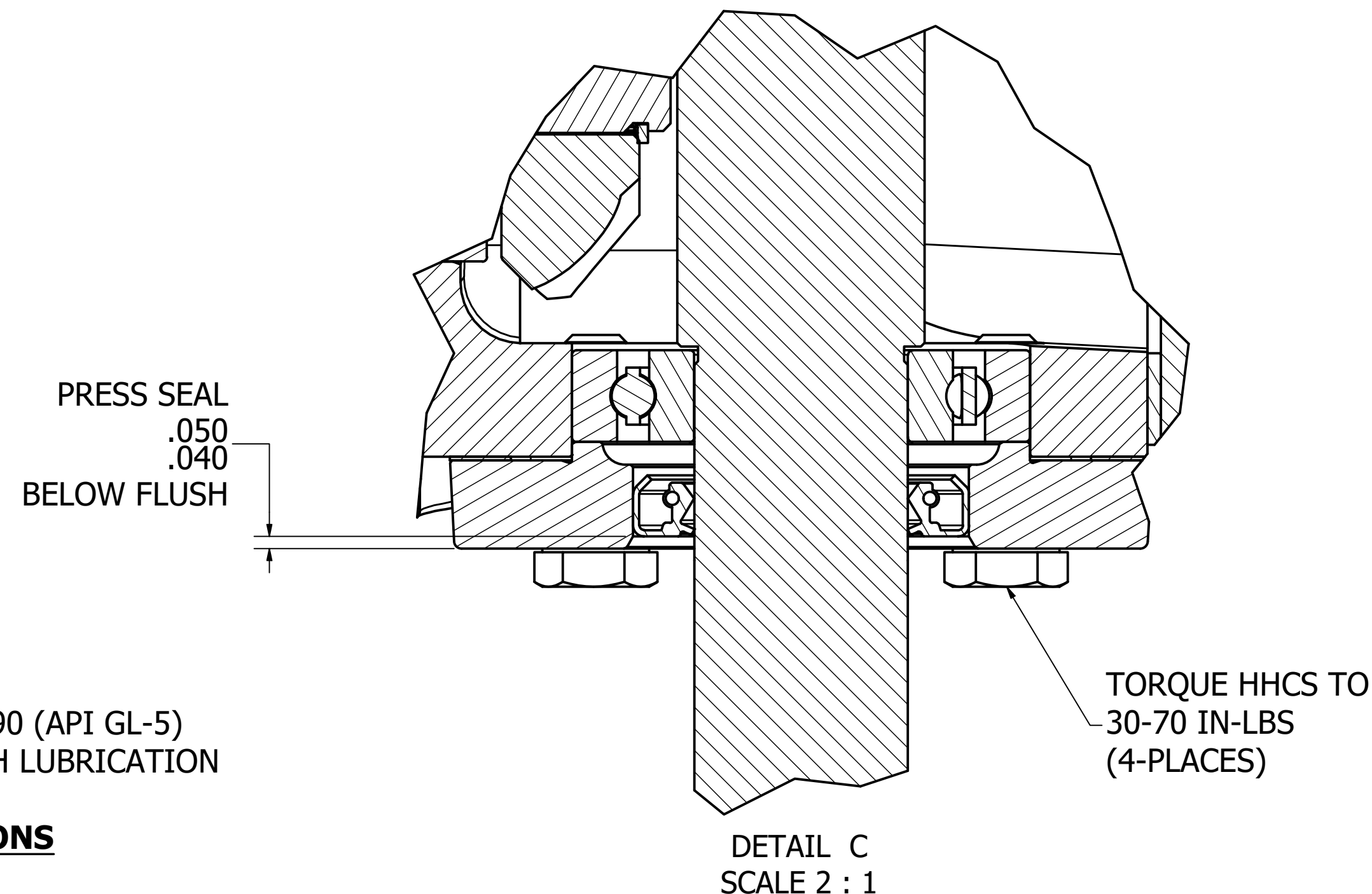
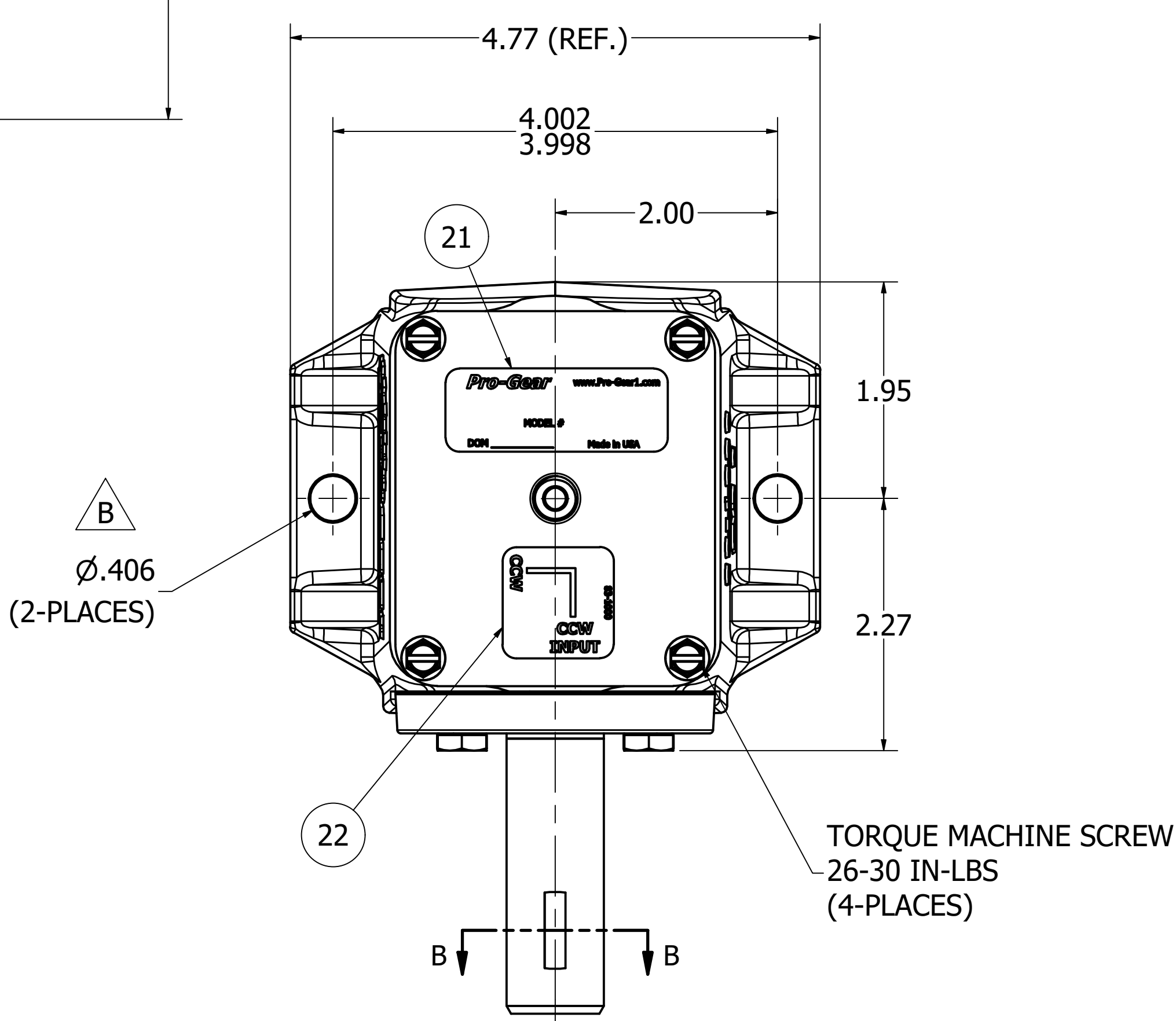
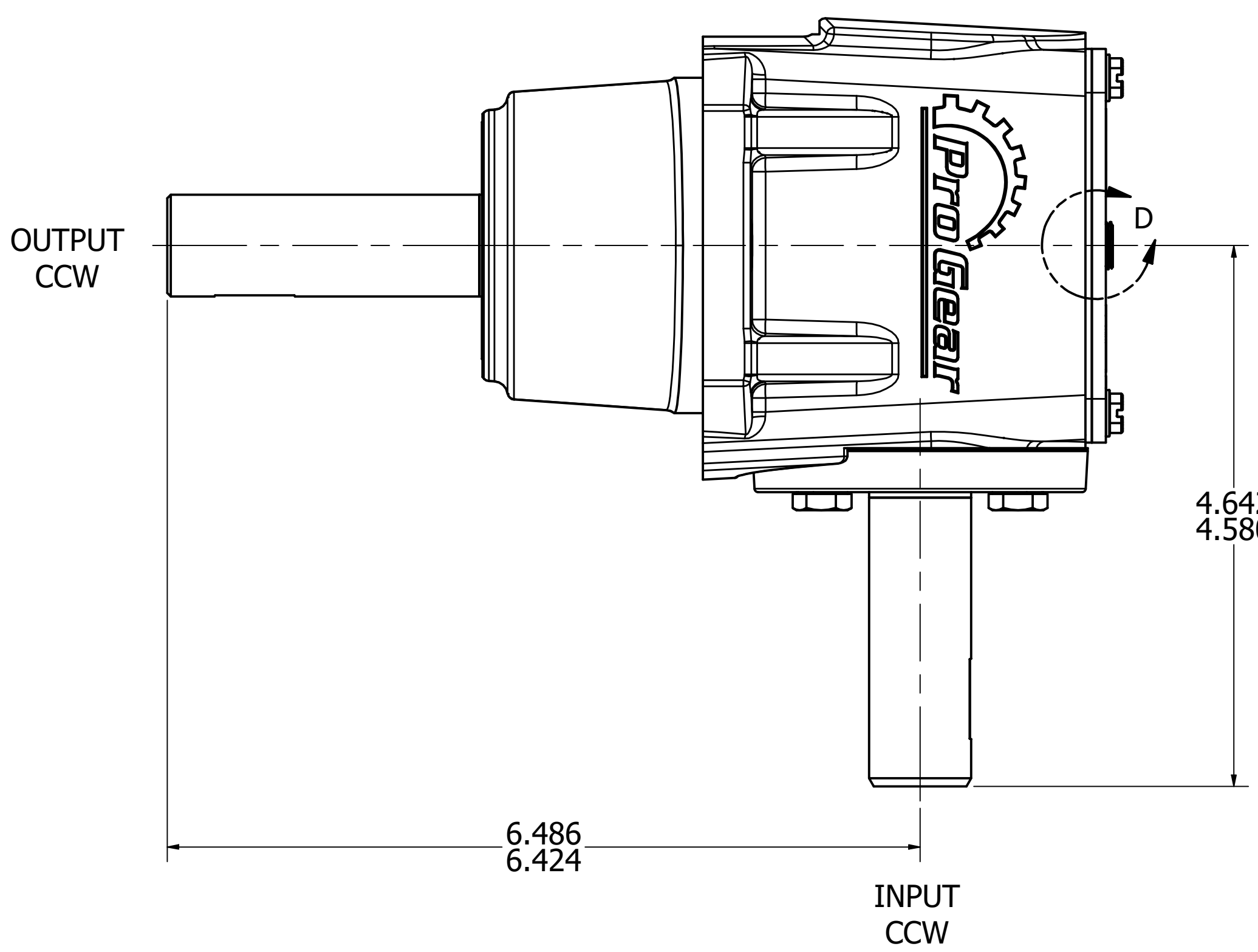
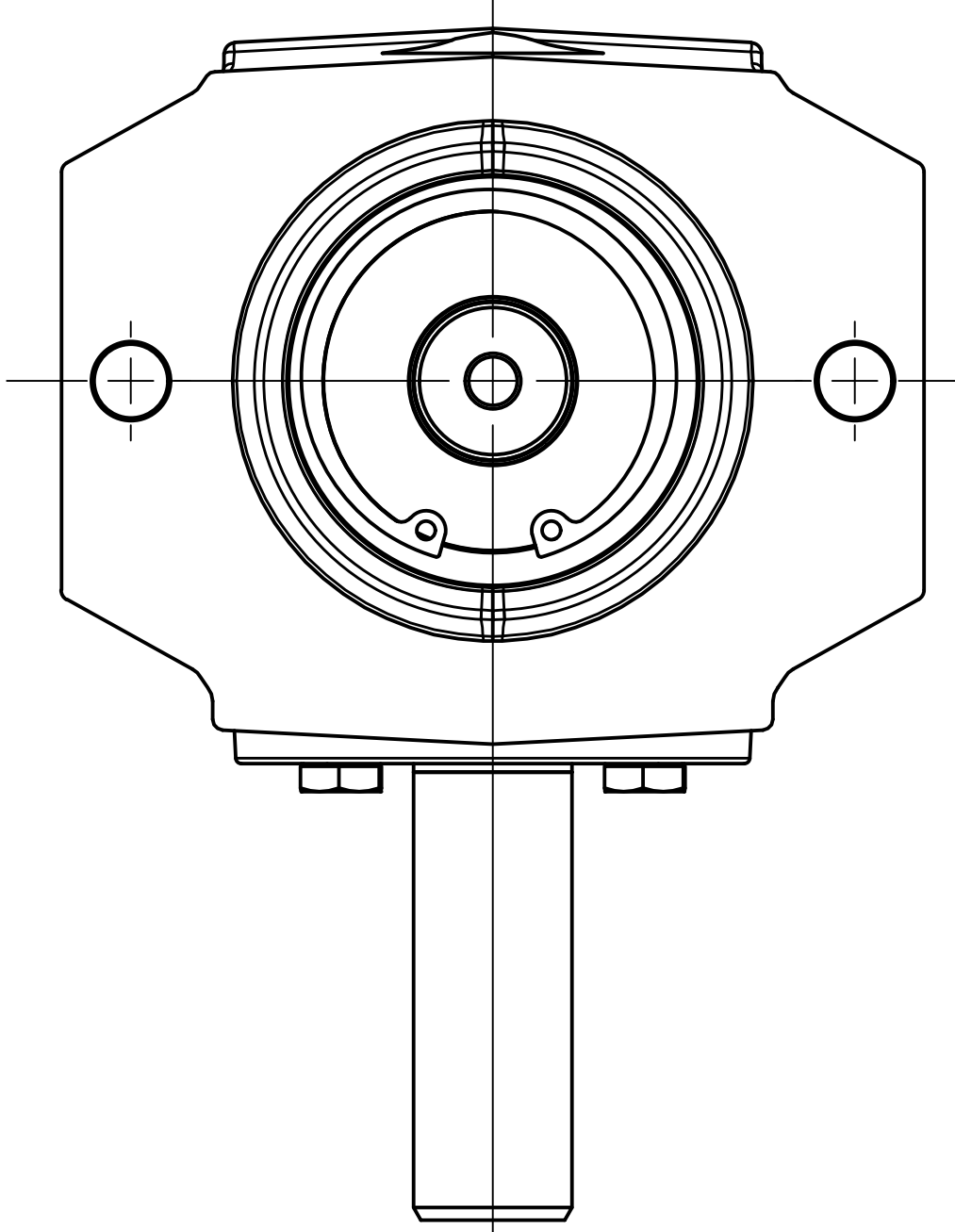
PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	20-1123	GEARBOX HOUSING RAD	
2	1	30-1076	INPUT SHAFT	
3	1	30-1077	OUTPUT SHAFT	
4	3	15-1001	BALL BEARING	
5	1	15-1000	BALL BEARING	
6	1	40-1004	SEAL	
7	1	20-1009	RETAINER CAP	
8	1	48-1028	PINION 17T-LH-CW	
9	1	50-1001	RETAINER CAP GASKET	
10	1	48-1029	GEAR 17T-RH-CCW	
11	1	55-1002	RETAINER RING - EXT.	
12	1	55-1001	RETAINER RING - EXT.	
13	2	55-1004	RETAINER RING - INTERNAL	
14	1	40-1000	SEAL	
15	1	35-1000	GEARBOX COVER	
16	1	35-1001	SEAL PROTECTOR	
17	1	50-1000	GEARBOX COVER GASKET	
18	4	45-1000	10-24 X 1/2 MACHINE SCREW	
19	1	45-1001	PLUG 1/8-27 NPTF	
20	4	45-1007	HHCS 1/4-20 X 7/8	
21	1	83-1003	SERIAL LABEL	
22	1	83-1000	DECAL, RAD CCW/CCW	



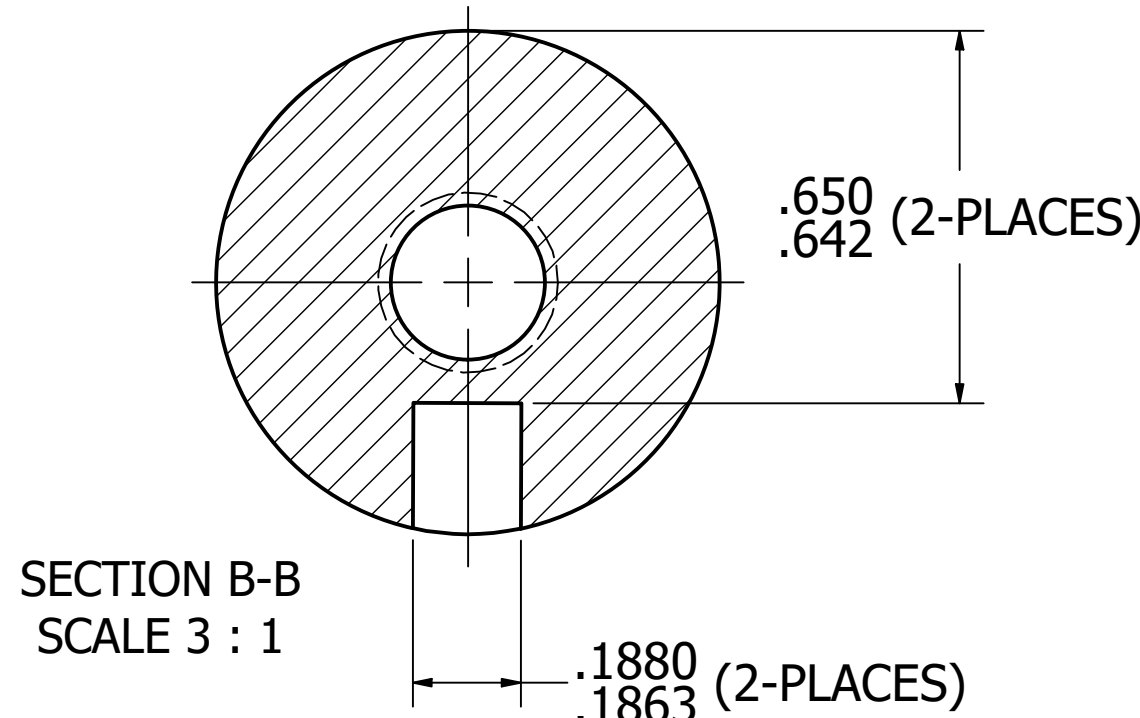
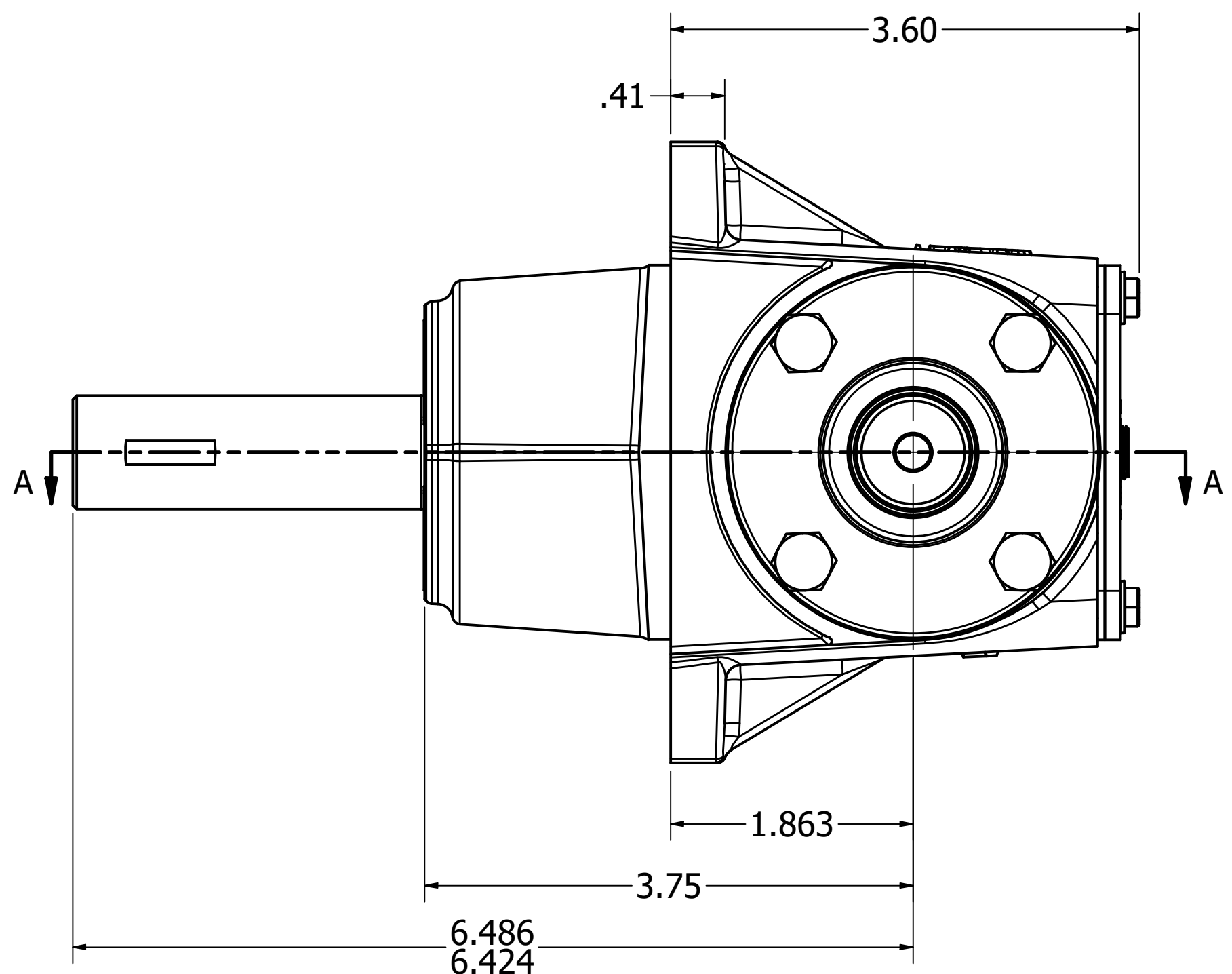
SECTION A-A
SCALE 2 : 1



DETAIL D
SCALE 5 : 1



DETAIL C
SCALE 2 : 1



SECTION B-B
SCALE 3 : 1

QUALITY INSPECTION
NO LEAKS ALLOWED

GEARBOX MUST ROTATE WITHOUT
STICKING OR BINDING

RUN TEST GEARBOX AFTER FILLING
WITH 6 OUNCES OF LUBRICATION.

RUN TEST SHOULD BE PERFORMED
ON 1-UNIT OUT OF 60-UNITS

OVERALL db(A): 80 TO 84

LUBRICATION - 6 OZ'S
EXTREME PRESSURE 80W-90 (API GL-5)
GEARBOXES SHIPPED WITH LUBRICATION

GEARBOX SPECIFICATIONS
ROTATION TYPE: CCW
ROTATION: INPUT: CCW OUTPUT: CCW
GEAR RATIO: 1:1
INPUT SPEED: 3,600 RPM (MAX.)
HORSEPOWER: 13 HP @ 3,600 RPM (MAX.)
STATIC TORQUE: 1,200 IN-LBS (MAX.)
GEARBOX HOUSING: DUCTILE IRON

REPLACES PEERLESS P/N 1000-148

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		FRACTIONAL	± 1/32	.00 ± .02	.000 ± .010
		ANGULAR	± 1/2°		
		FORM	3/1/2017	J-Mac International, LLC	
DRAWN		CHECKED		TITLE	
QA		MFG		RAD CCW/CCW 1:1 RATIO	
APPROVED		SCALE		SIZE	REV
				E	C
				DWG NO	
				105-348	
				SHEET 1 OF 1	