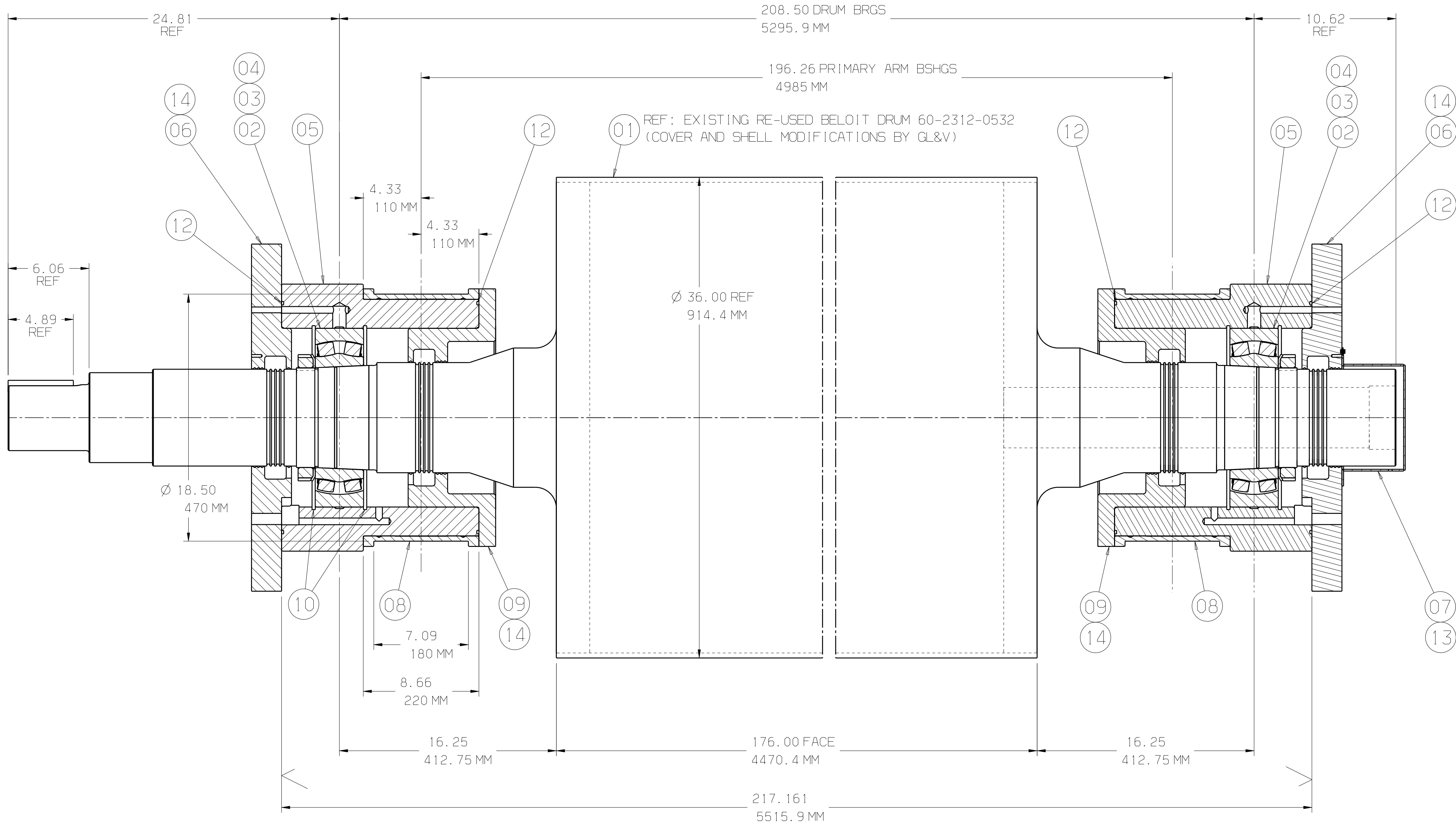
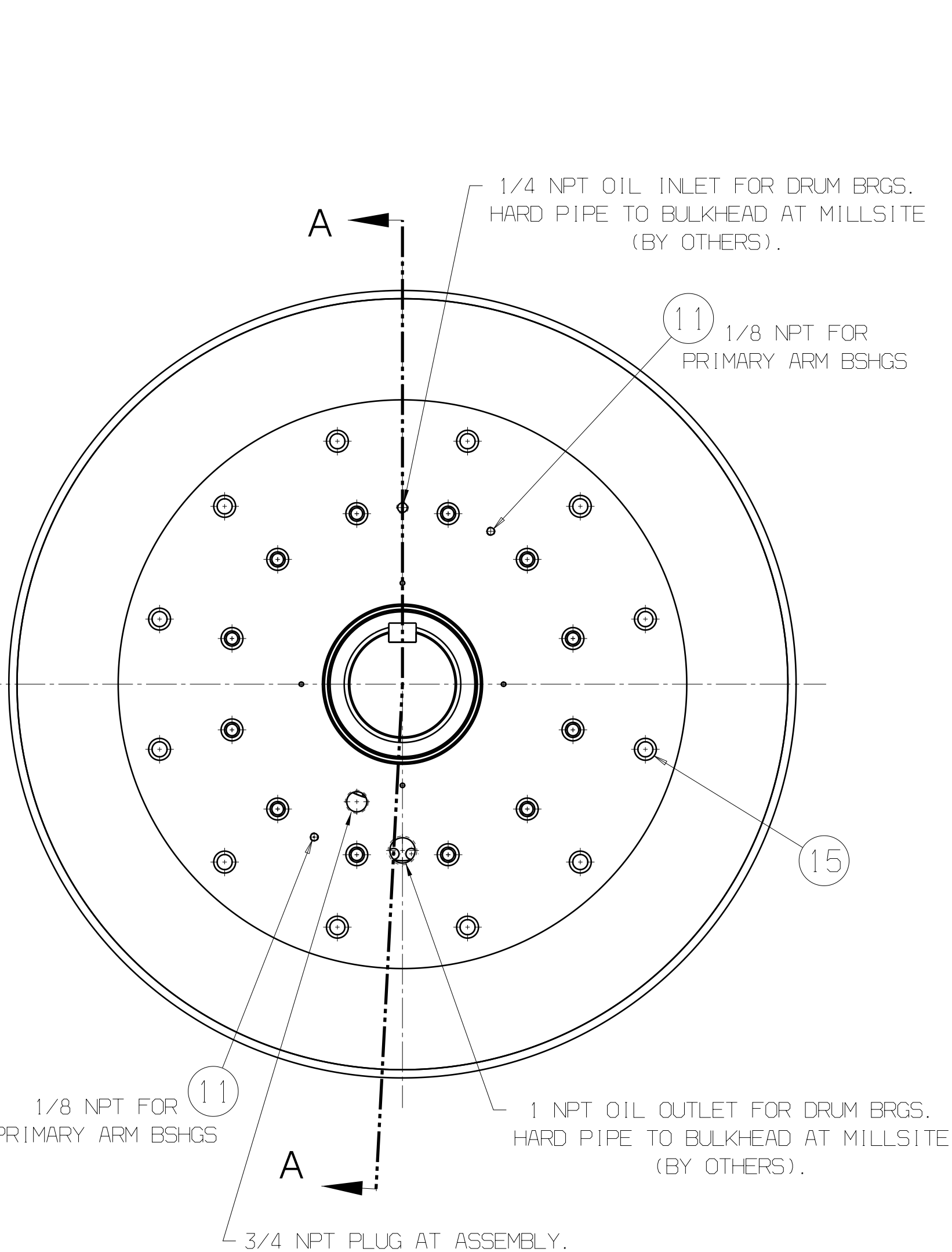




DRIVE SIDE
HELD BEARING
BRG 22238 CCK/W33

SECTION VIEW "A-A"

TEND SIDE
FREE BEARING
BRG 22238 CCK/W33

NOM. BOLT SIZE	FASTENER TORQUE REQUIREMENTS (FT*LBS)			
	ASTM A449		ASTM A354	ASTM A574
	ZINC PLATED/DRY	PLAIN/ DRY	PLAIN/ DRY	PLAIN/ DRY
1/4-20NC	91 IN*LBS	101 IN*LBS	12	14
5/16-18NC	189 IN*LBS	210 IN*LBS	25	29
3/8-16NC	28	31	44	51
7/16-14NC	45	50	70	82
1/2-13NC	68	75	106	124
9/16-12NC	98	109	154	173
5/8-11NC	135	150	212	238
3/4-10NC	240	267	376	423
7/8-9NC	386	429	606	682
1-8NC	579	644	909	1022
1-1/8-7NC	715	794	1288	1449
1-1/4-7NC	1008	1121	1817	2044
1-3/8-6NC	1322	1469	2382	2680
1-1/2-6NC	1755	1950	3162	3557

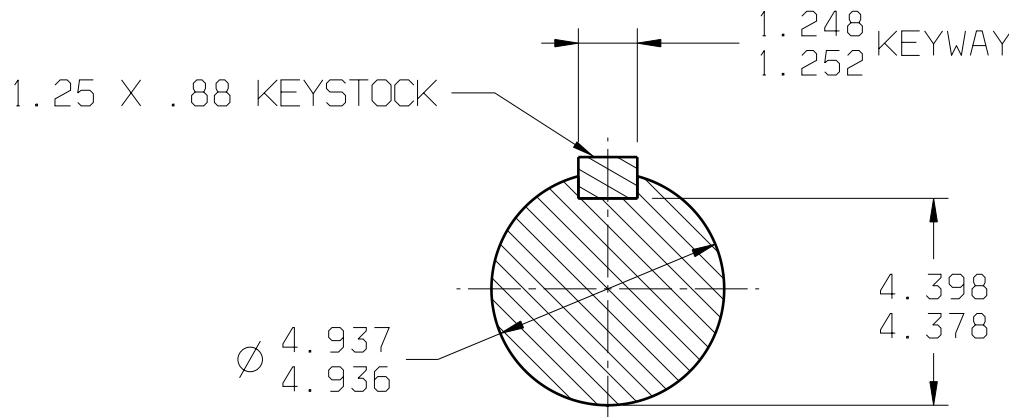
TORQUE = 75% x PROOF LOAD x STRESS AREA. ASTM A449 (SAE A325) 74,000-85,000 MIN. PROOF LOAD. ASTM A354 (SAE A490) 120,000 MIN. PROOF LOAD. ASTM A574 (HEX SOCKET HEAD CAP SCREWS ONLY) 135,000-140,000 MIN. PROOF LOAD.

NECESSARY EXCEPTIONS TO THE ABOVE SHOULD BE SHOWN ON DRAWING.

THE ABOVE ARE FOR "DRY" CONDITIONS (AS PURCHASED). ALL ABOVE TORQUE VALUES TO BE REDUCED IF LUBRICANTS ARE USED.

NOTES:

1. T.S. BEARING HOUSING (ITEM 5) MUST BE ORIENTATED TO MATCH LUBRICATION POINTS IN OUTER COVER (ITEM 5).
2. D.S. BEARING HOUSING (ITEM 5) MUST BE ORIENTATED TO MATCH LUBRICATION POINTS IN OUTER COVER (ITEM 5).
3. BEARINGS (ITEM 2) SHOULD BE DRIVEN UP ON SHAFT TO ACHIEVE .0035/-.005 REDUCTION IN RADIAL CLEARANCE. MINIMUM PERMISSIBLE RESIDUAL CLEARANCE: .0028".



REF: DRIVE-STUB DETAIL
Scale: 1:4

15NOV07	JSK	JSK	ADDED DRIVE-STUB DETAIL FOR REFERENCE		A	REF.	SUPERS.	D	WORK	FILE	2552	V5	APL2009995	1/1
DATE:	NAME:	APPD:	REVISION:	ZONE:	KEY:	WORK	FILE	2552	V5	APL2009995	1/1			

TOLERANCES UNLESS SPECIFIED				APPLETON PAPERS WEST CARROLLTON, OH, USA PM92 REEL REBUILD			
FUNCTION	2 PLACE DECIMAL	3 PLACE DECIMAL	ANGULAR				
	0" - 24"	OVER 24"	0" - 24"			OVER 24"	
MACHINING	± .015	± .010	± .005			± .010	± .5 DEG
WELDMENT	± .030	± .010					± 1 DEG
		PROJECTION:  ANSI		SCALE: 1/4	WEIGHT (kg) 6500		
REEL DRUM, WITH BEARINGS							
REF.		SUPERS.		D	DRAWING ID		
WORK SURF		FILE		2552	V5		
APL2009995							
SHEET					1/1		

CERTIFIED 11DEC2007