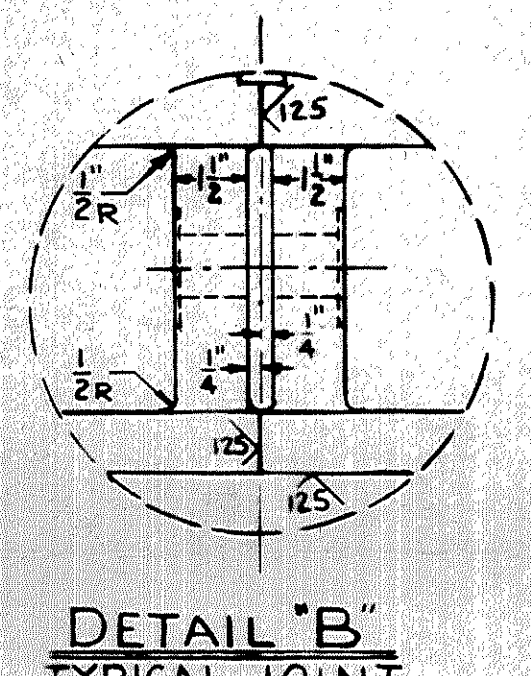
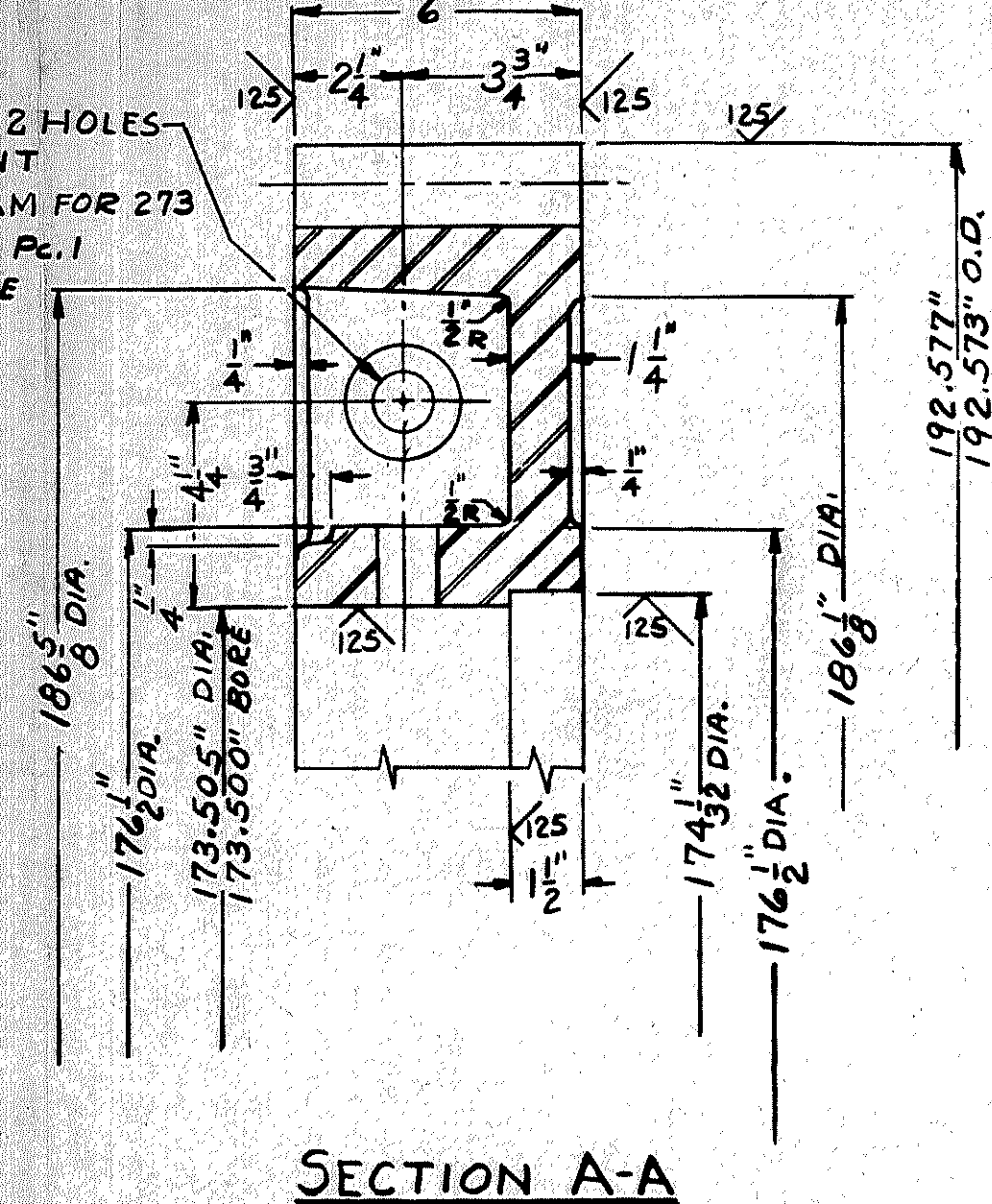
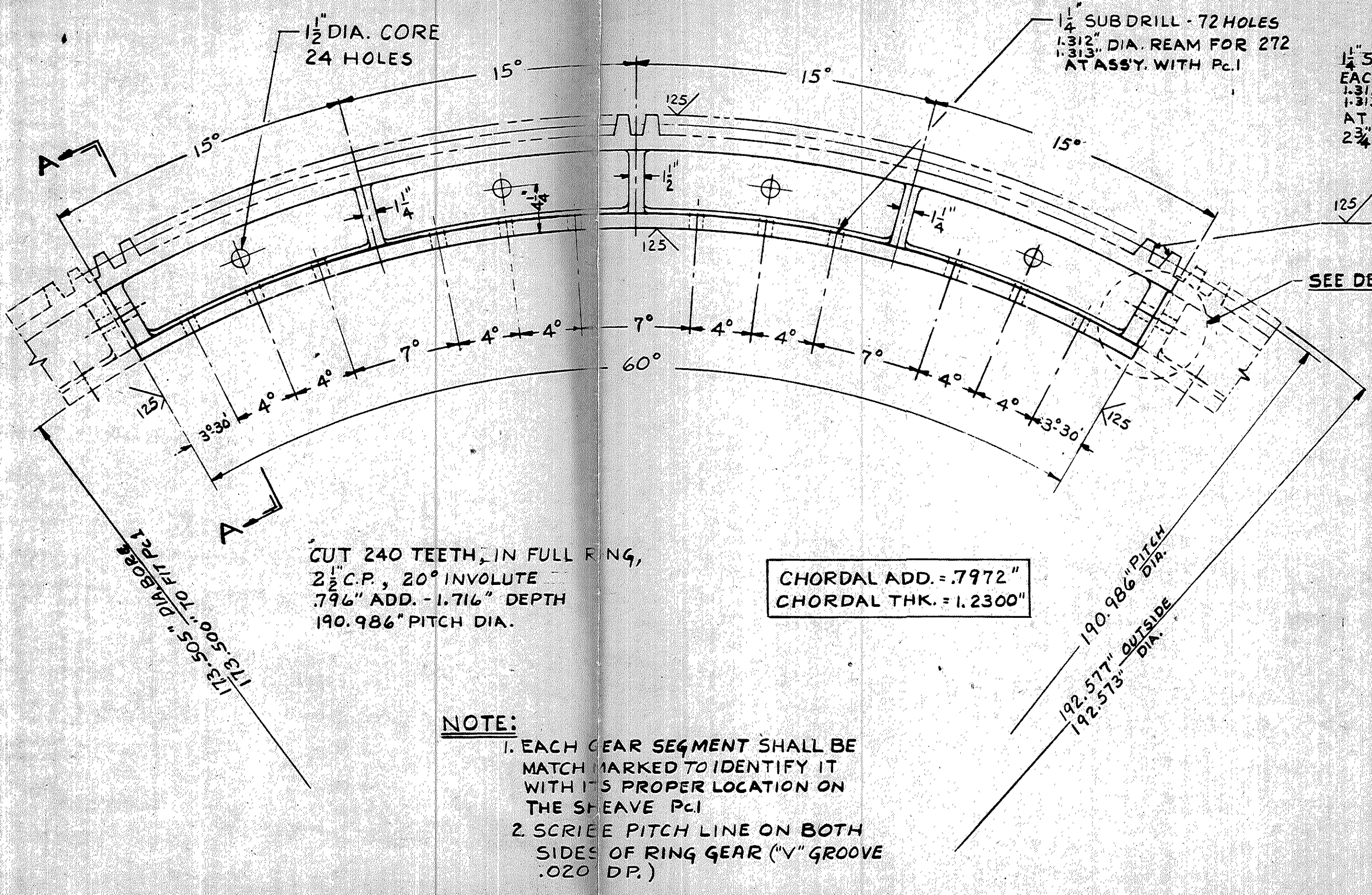
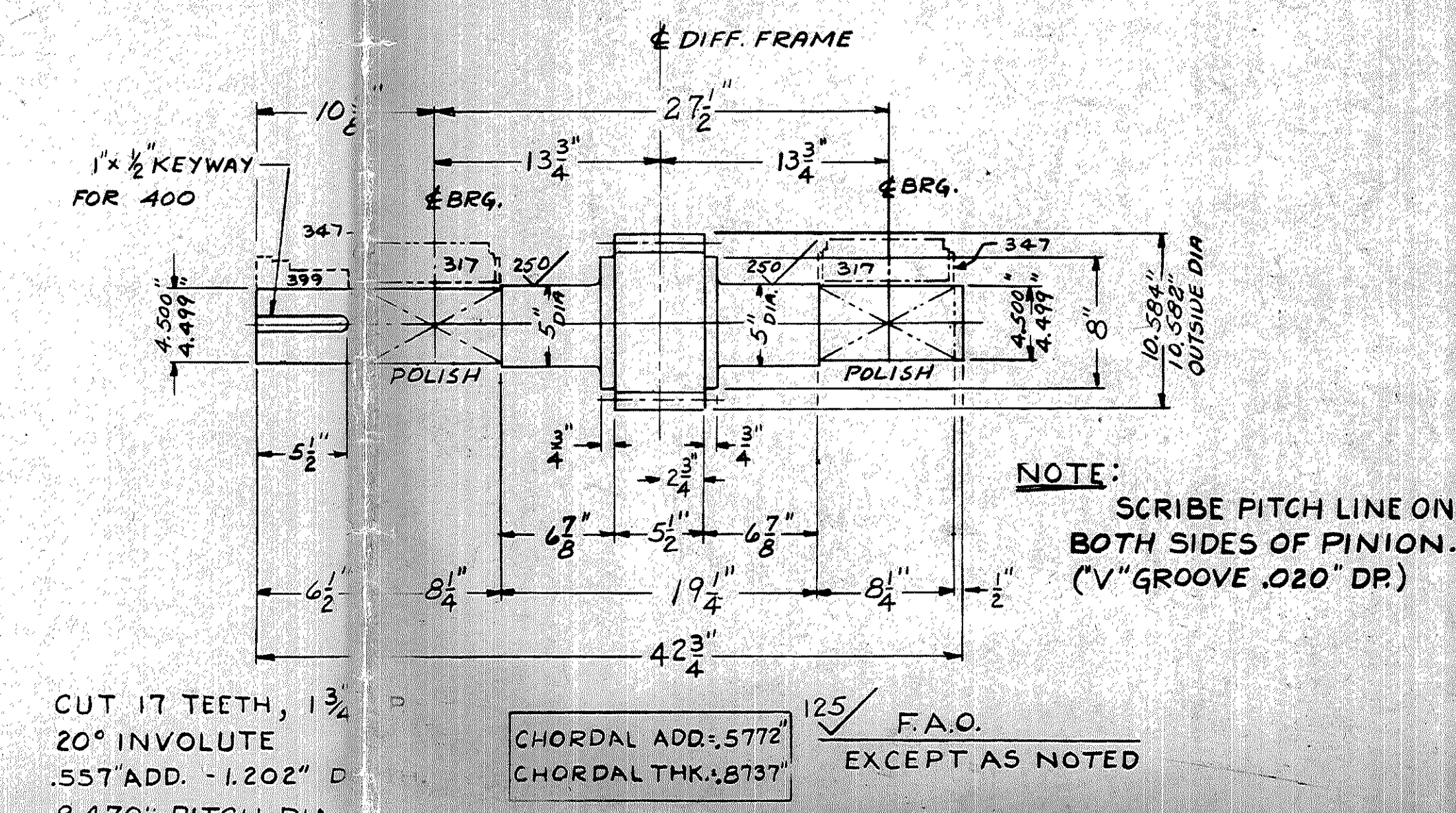


S.O. A 906		BILL OF MATERIAL				DWG. 8429 E 30
Pc.No.	NAME	QTY.	MTL.	SPEC'S	PATT.	REMARKS
271	SHEAVE RING GEAR	8	C.S.	ASTM A27 GR. 65-35	16980	48 SEGMENTS
272	BOLT FOR 1 & 271	576	S.	ASTM A307 GR. "A"		SEE DETAIL
273	BOLT FOR 271	48	S.	ASTM A307 GR. "A"		SEE DETAIL
274	NUT FOR 272 & 273	624	S.	ASTM A307 GR. "A"	SLOTTED HEX.	1/4" - 7 AMER HEAVY
275	COTTER PIN FOR 274	624	BILCOY 82	ASTM B99		1/4" DIA. X 3" LG.
276	MAIN PINION & SHAFT	6	F.S.	ASTM A235 CLE		
277	MAIN PINION & SHAFT (P1)	2	F.S.	ASTM A235 CLE		
278	PINION & SHAFT (P3)	4	F.S.	ASTM A235 CLE		
279	PINION & SHAFT (P4)	2	F.S.	ASTM A235 CLE		
280						



NOTE:
 1. EACH GEAR SEGMENT SHALL BE MATCH MARKED TO IDENTIFY IT WITH ITS PROPER LOCATION ON THE SHEAVE Pc.1
 2. SCRIBE PITCH LINE ON BOTH SIDES OF RING GEAR ("V" GROOVE .020 DP.)

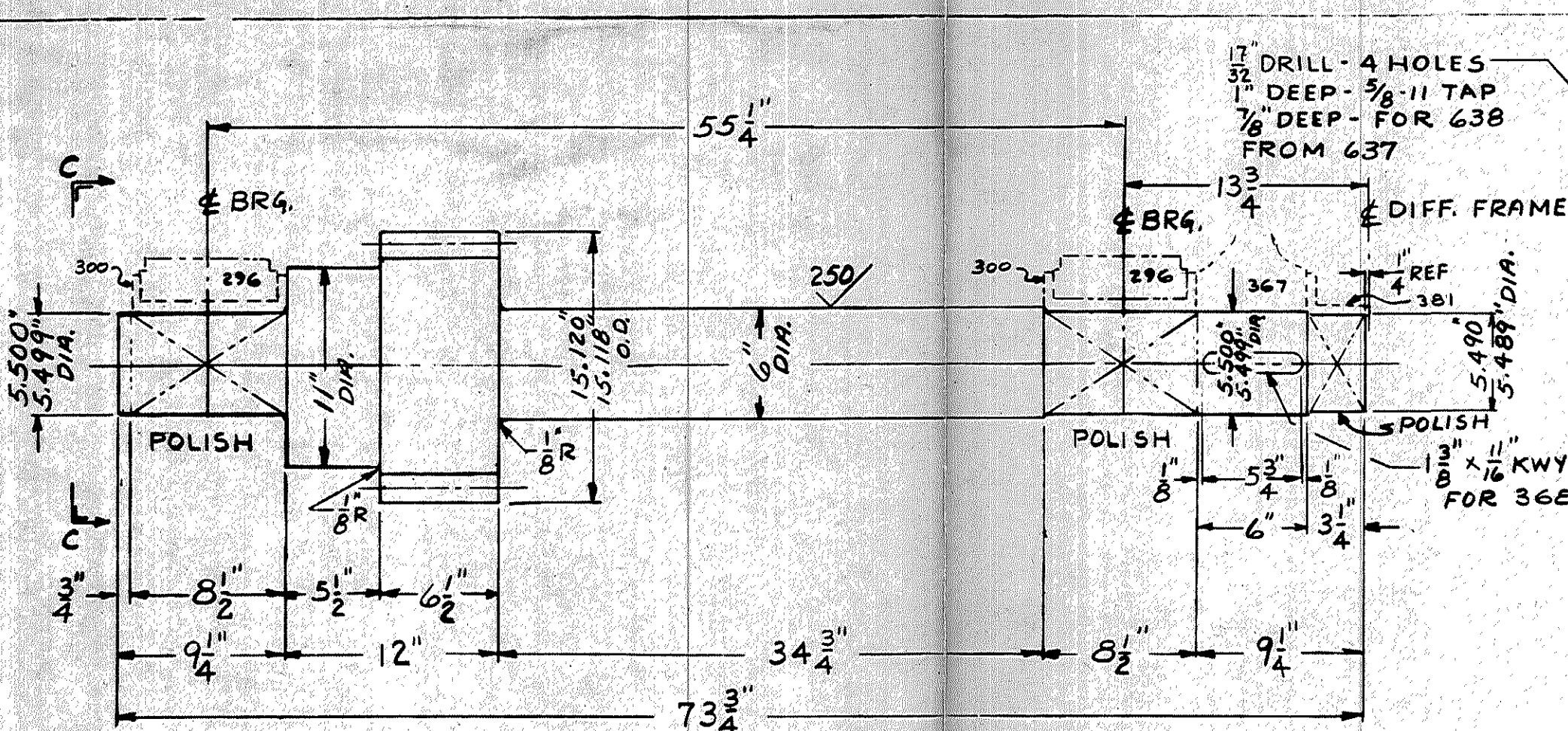
271 SHEAVE RING GEAR
 8 REQ'D. (48 SEGMENTS) C.S. ASTM A27 GR. 65-35 PATT. 16980



NOTE:
 SCRIBE PITCH LINE ON BOTH SIDES OF PINION. ("V" GROOVE .020 DP.)

CHORDAL ADD. = .5772"
 CHORDAL THK. = .8737"

125 F.A.O. EXCEPT AS NOTED



NOTE:
 SCRIBE PITCH LINE ON BOTH SIDES OF PINION ("V" GROOVE .020 DP.)

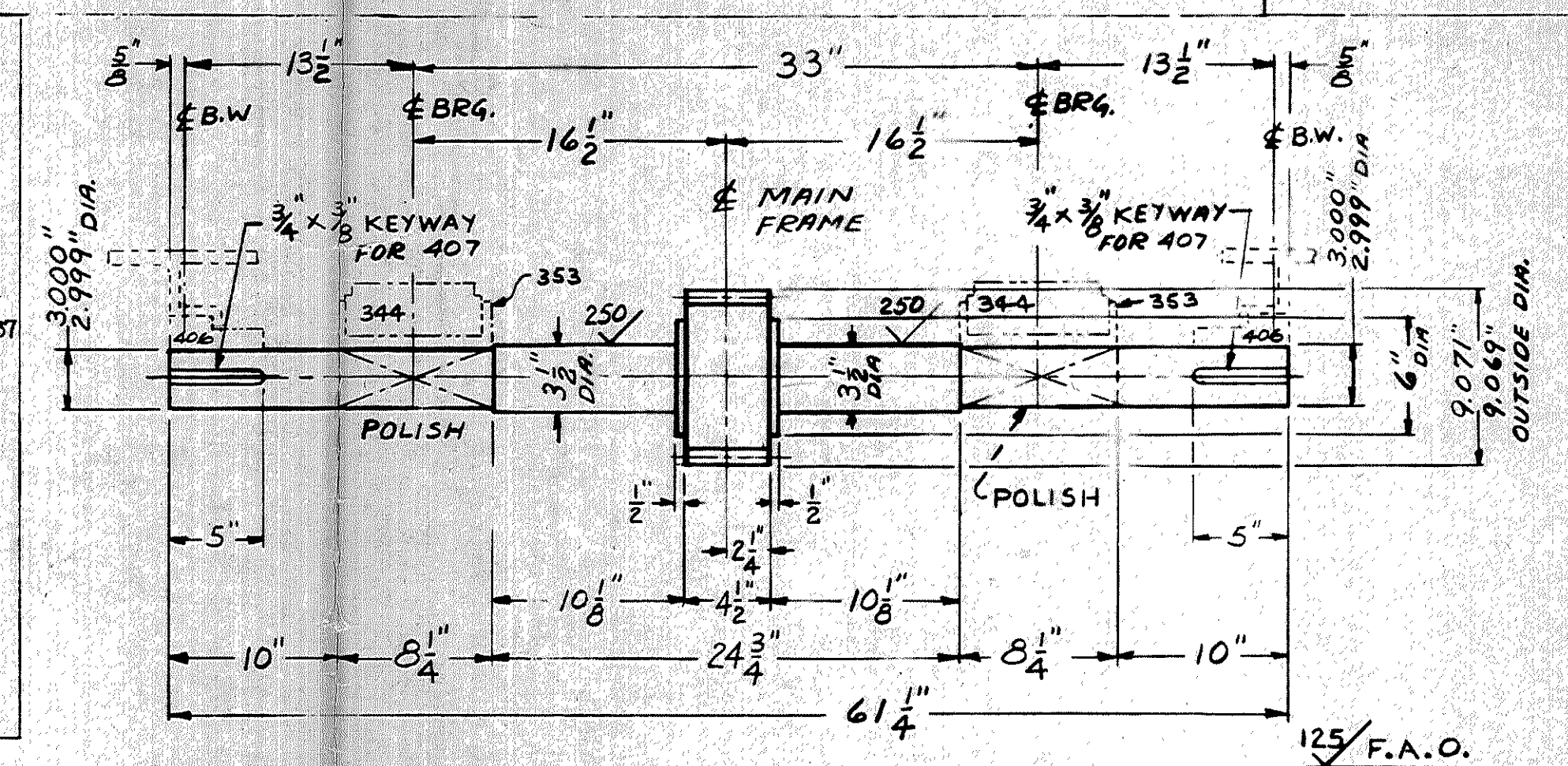
276 CUT 17 TEETH, 2 1/2" C.P. 20° INVOLUTE .796" ADD. - 1.716" DEPTH 13.528" PITCH DIA.
 CHORDAL ADD. = .8246"
 CHORDAL THK. = 1.2482"

MAIN PINION & SHAFT (P1)

276 6 REQ'D. F.S. ASTM A235 CLE (WITHOUT PILOT HOLE)
277 2 REQ'D F.S. ASTM A235 CLE (WITH PILOT HOLE SEE VIEW C-C)

279 17 TEETH, 1 1/2" C.P. 20° INVOLUTE .477" ADD. - 1.030" DEPTH 8.117" P.D.
 CHORDAL ADD. = .4947"
 CHORDAL THK. = .7489"

NOTE:
 SCRIBE PITCH LINE ON BOTH SIDES OF PINION ("V" GROOVE .020" DP.)



279 PINION & SHAFT (P4)
 2 REQ'D. F.S. ASTM A 235 CLE

APPROVED
 PARSONS, BRINCKERHOFF, QUADÉ & DOUGLAS, INC.
 ENGINEERS
 111 JOHN STREET NEW YORK, N. Y. 10038
 By: M.C. [Signature] Date: FEB 8 1968

DATE	REVISIONS
1-29-68	AJR PC 278 KEYWAY LENGTH WAS 4 1/2"
12-5-67	AJR PC 278 KEYWAY WAS 1 1/4" & PC 279 & BGS TO B.W. WAS 1 1/2" 1-23-68
11-30-67	AJR REVISED AS PER RETURNED PRINT

GENERAL NOTES
 ALL STEEL CASTINGS & FORGINGS TO BE ANNEALED
 SPOT FACE & POLISH FOR ALL BOLT HEADS & NUTS
 SCRIBE PITCH LINES ON BOTH SIDES OF ALL GEARS
 SHOP PAINT SYSTEM - 3 COAT SYSTEM (SEE SPEC)
 FINISHED WEAR COATED - NO OX-ID "A" SPECIAL
 CUT OIL FILLS IN ALL BEARINGS UNLESS NOTED
 ALL SHIPMENTS TO BE OILED

S.O. A-906 CONTRACT
 OPERATING MACHINERY
 VERTICAL LIFT BRIDGE OVER
 CAPE FEAR RIVER CROSSING
 AT WILMINGTON, N.C.

THE EARLE GEAR AND MACHINE COMPANY
 4707 TO 4715 STENTON AVENUE
 PHILADELPHIA 44, PA.

DRAWN BY: AJR 10-31-67 AS NOTED APPROVED BY: PARSONS, BRINCKERHOFF, QUADÉ & DOUGLAS, INC. 1/12/68
 CHECKED BY: G.P. 11-15-67 REV. APPV.
 DATE: REV. APPV.
 SHEET 9 OF DWG. NO. 8429 E 30