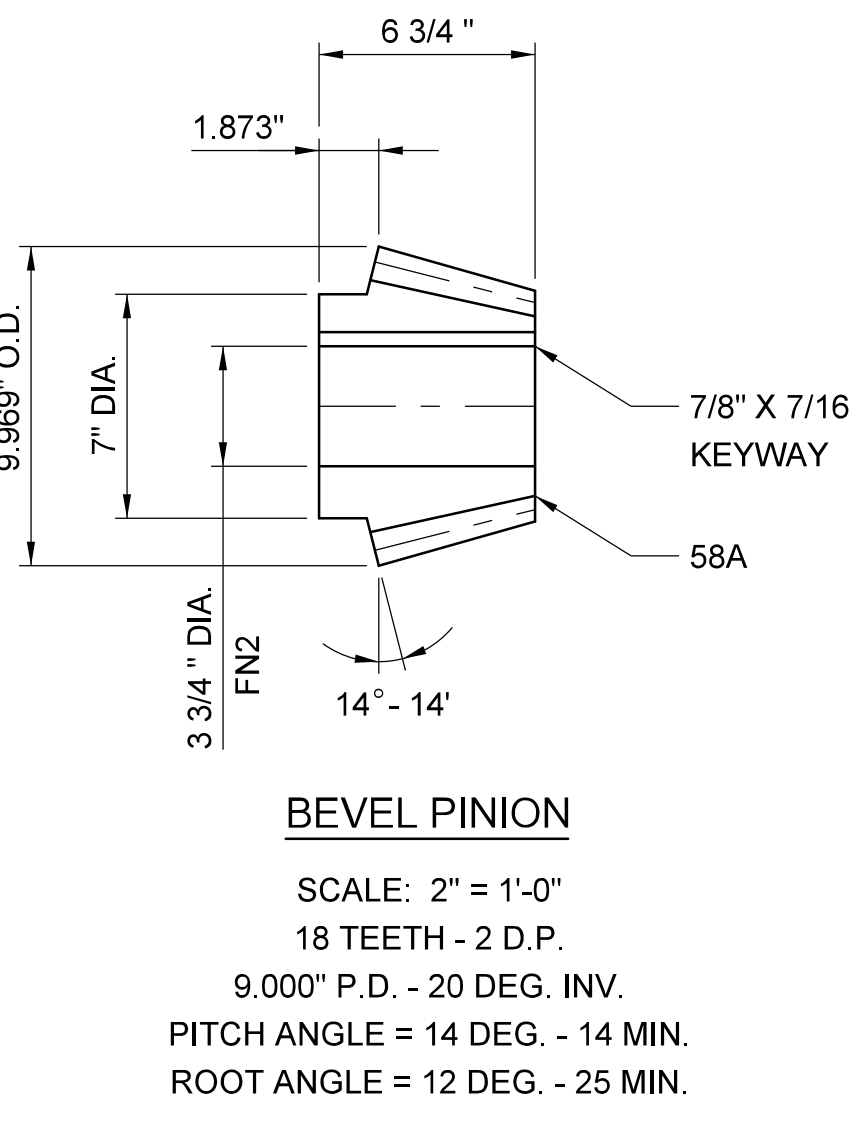


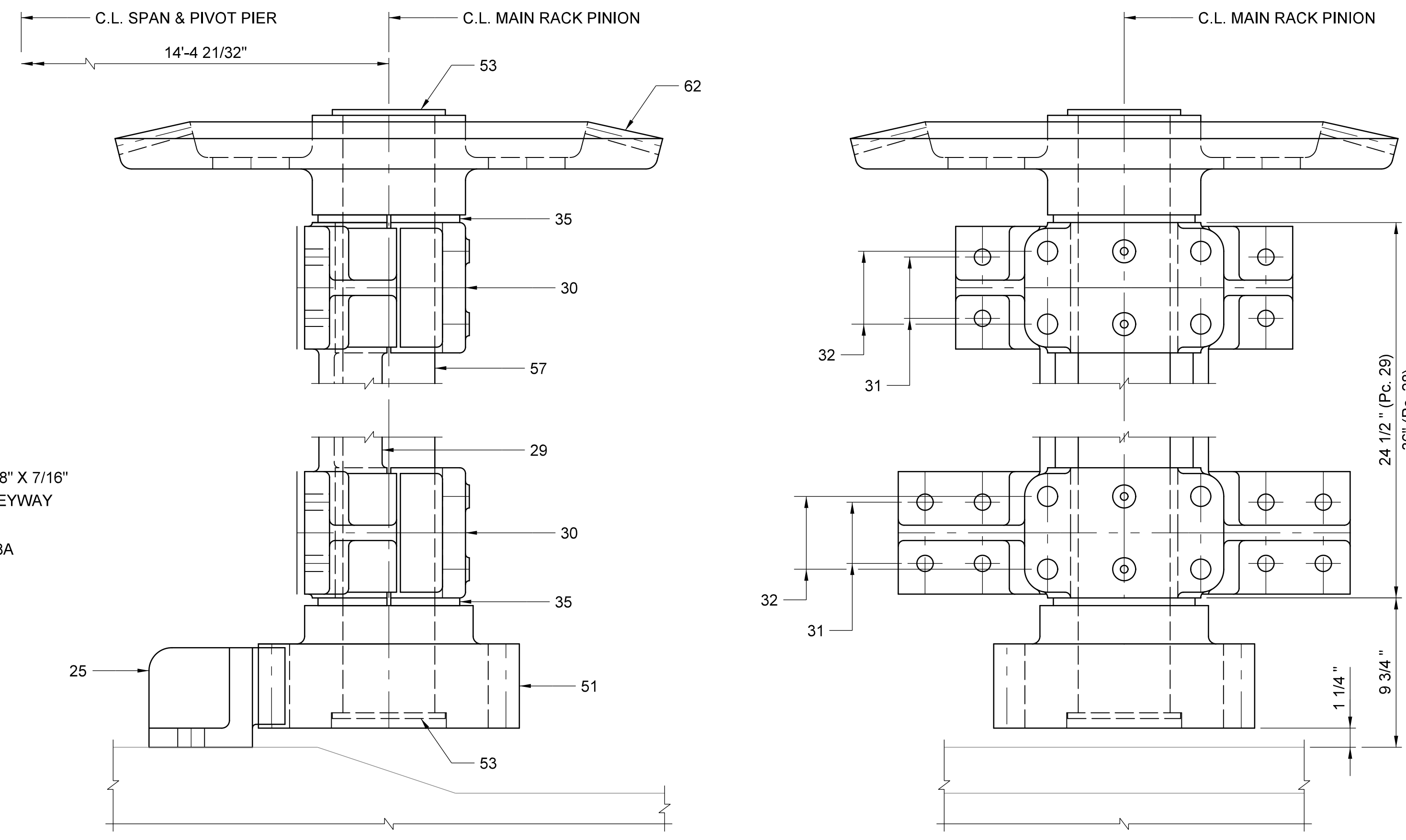
PLAN

BEVEL PINION AND MACHINERY BRAKE SHAFT ASSEMBLY

SCALE: 2" = 1'-0"
 (1) ASSEMBLY REQUIRED - AS SHOWN
 (1) ASSEMBLY REQUIRED - OPPOSITE



BEVEL PINION
 SCALE: 2" = 1'-0"
 18 TEETH - 2 D.P.
 9.000" P.D. - 20 DEG. INV.
 PITCH ANGLE = 14 DEG. - 14 MIN.
 ROOT ANGLE = 12 DEG. - 25 MIN.



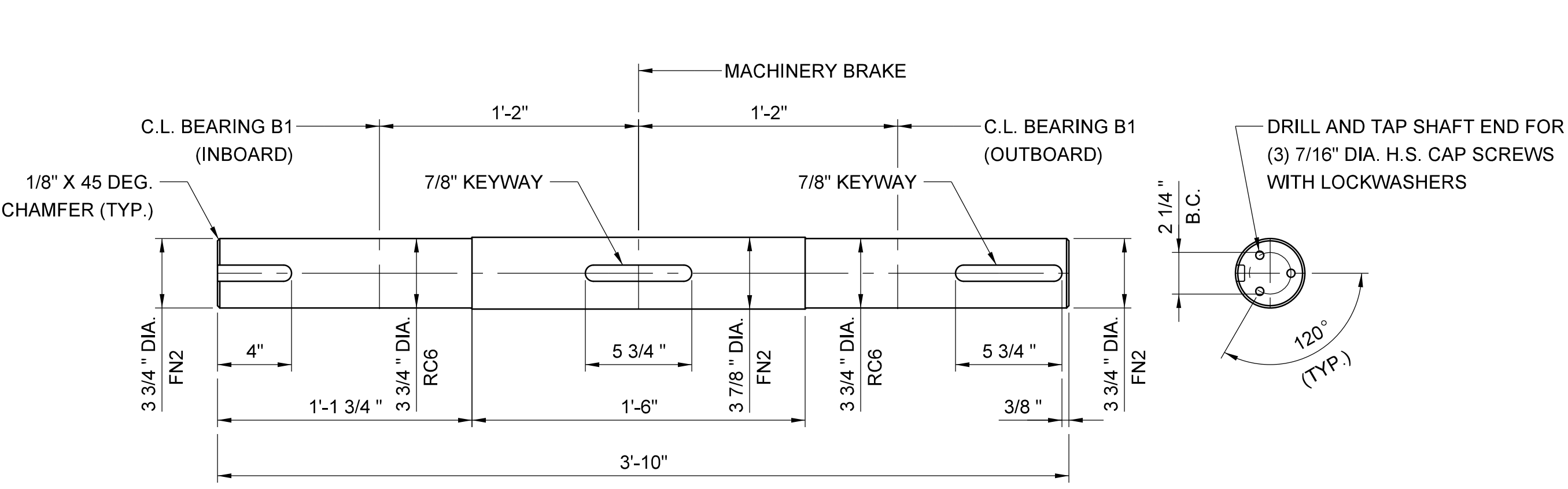
SIDE ELEVATION

FRONT ELEVATION

BEVEL GEAR AND MAIN RACK PINION ASSEMBLY

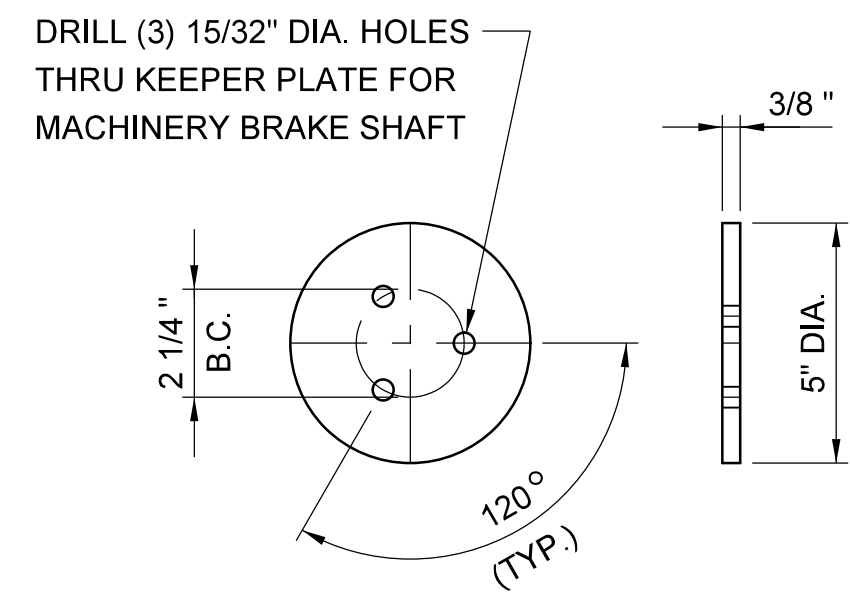
SCALE: 2" = 1'-0"
 (1) SHORT ASSEMBLY REQUIRED - AS SHOWN
 (1) LONG ASSEMBLY REQUIRED - SIMILAR

- NOTES:
- FOR COMPONENT QUANTITIES, DESCRIPTION OF WORK AND MATERIALS SEE SHEET NO. M-6.
 - COLLAR BEARING BUSHINGS SHALL BE PROVIDED WITH MACHINED DOUBLE OVAL GREASE GROOVES. FOR GROOVE DETAIL SEE SHEET NO. M-5.
 - BEARING-B1 BASE MOUNTING BOLTS SHALL EXTEND THROUGH THE TOP AND BOTTOM FLANGES OF THEIR RESPECTIVE SUPPORTS. HOLES THROUGH TOP FLANGE SHALL BE TOLERANCED PER THE GENERAL MACHINERY NOTES. HOLES THROUGH BOTTOM FLANGE SHALL PROVIDE 1/16" CLEARANCE.
 - SHAFT COLLARS ASSEMBLED ON MACHINERY BRAKE SHAFTS SHALL BE ALIGNED FOR A CLEARANCE OF 0.010" (PER COLLAR) WITH BEARING B1.



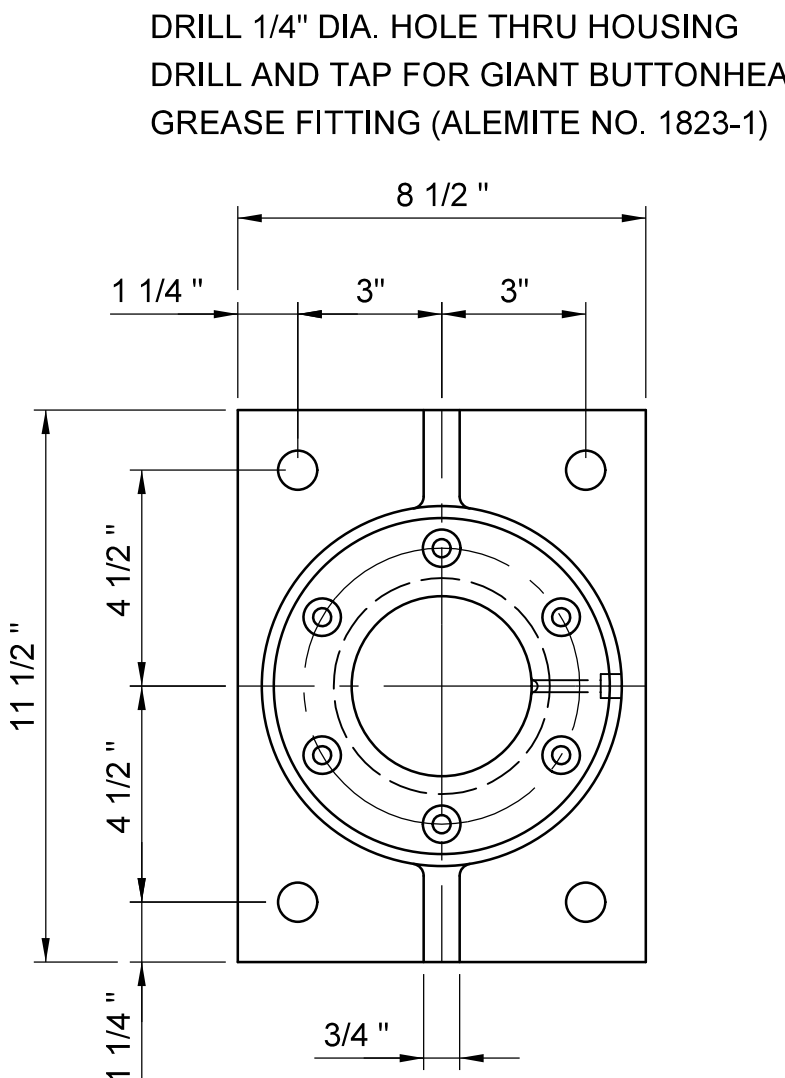
MACHINERY BRAKE SHAFT

SCALE: 2" = 1'-0"



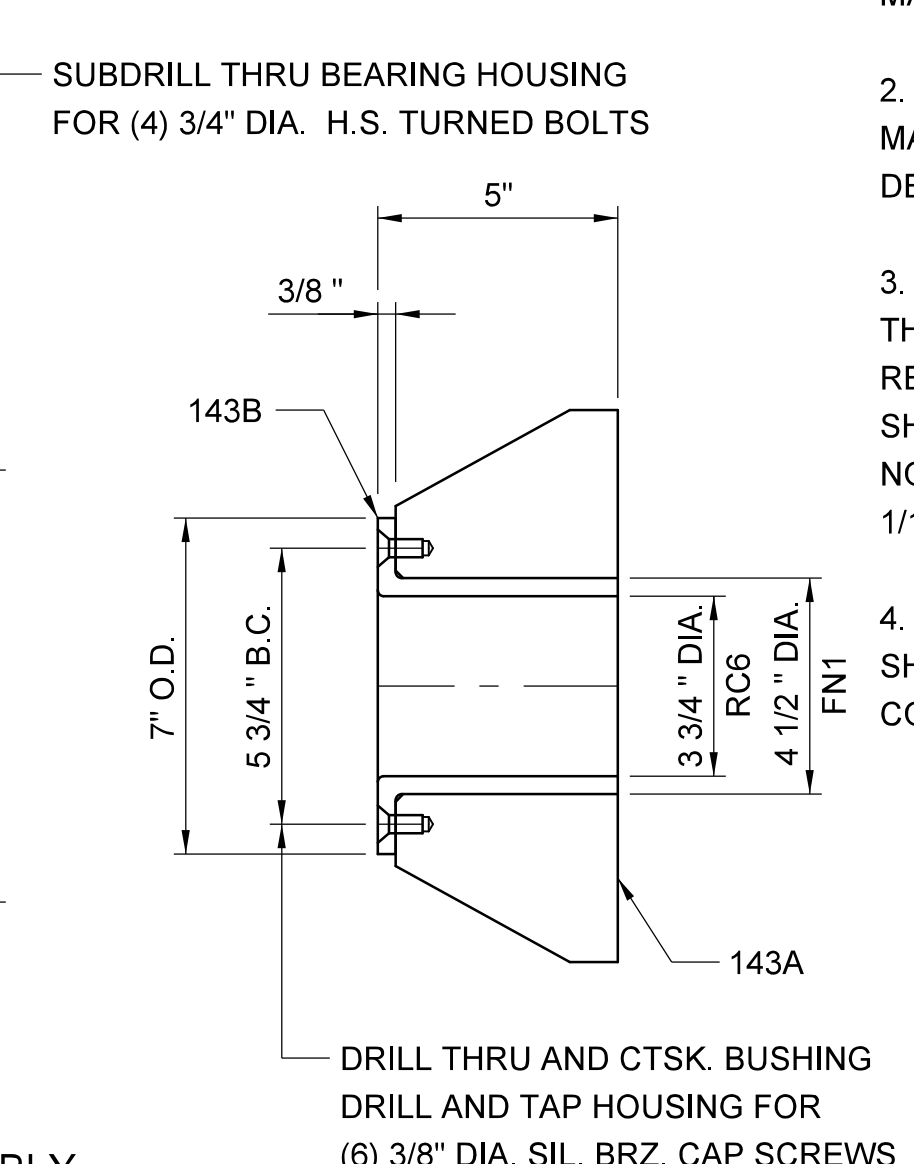
KEEPER PLATE

SCALE: 3" = 1'-0"

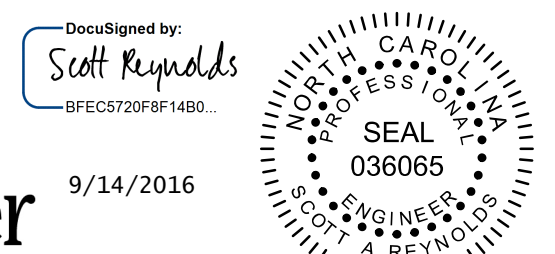


COLLAR BEARING ASSEMBLY

SCALE: 3" = 1'-0"



DRAWN BY: JAG/MS DATE: 8/8/2016
 CHECKED BY: GAF/RH DATE: 8/8/2016
 DESIGN ENGINEER OF RECORD: JAG/MS DATE: 8/8/2016



PROJECT NO. **B-5936**
TYRRELL COUNTY
 BRIDGE NO: **7**

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
TURNING MACHINERY DETAILS
ALLIGATOR RIVER SWING SPAN

DWG NUMBER		TOTAL DWGS		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		REVISIONS		SHEET NO.		
72		90				NO	BY	DATE	M-5	
						1			TOTAL SHEETS	
						2			23	