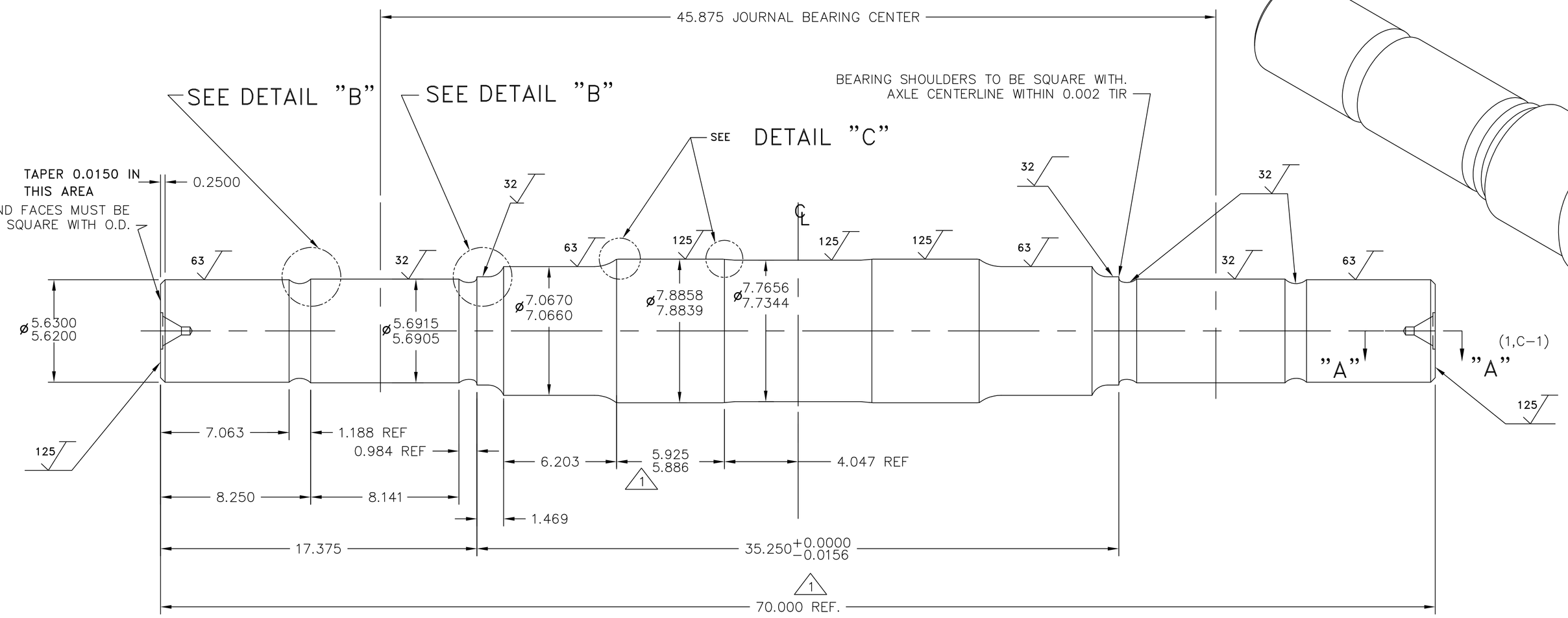
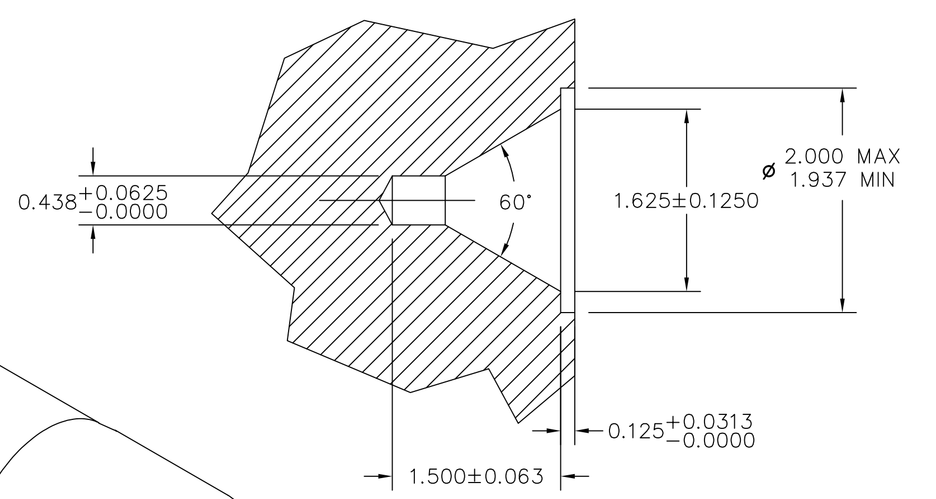
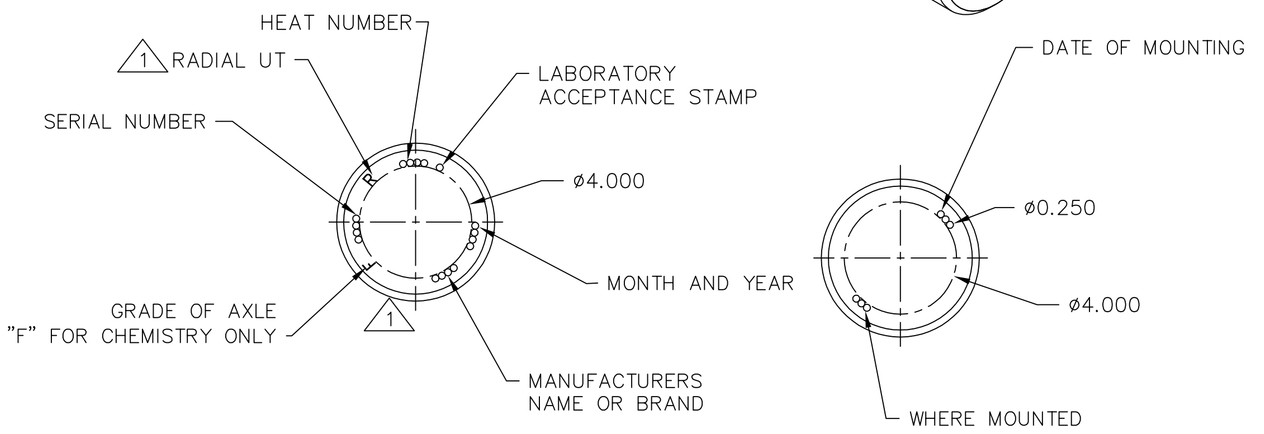
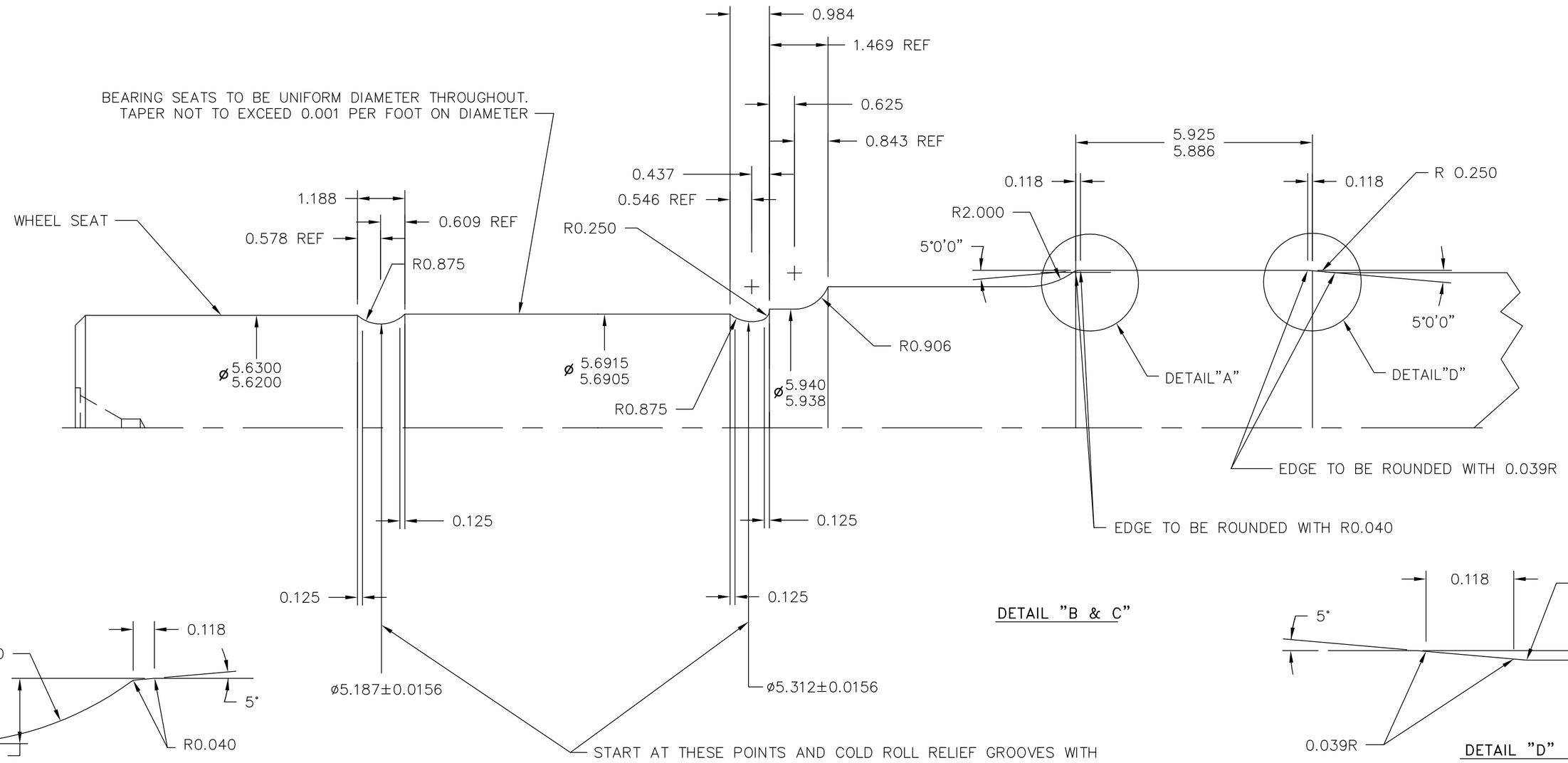
MNR REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	DIM CHANGED FROM 5.868 TO 5.886,	11/27/18	DG KD LH
	STAMPING: RADIAL UT, REMOVE "T"		

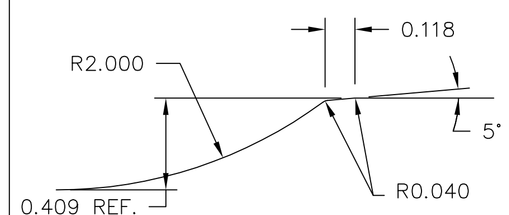




SECTION "A–A"

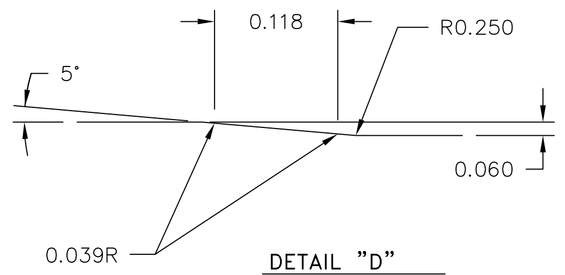






DETAIL "A"

DETAIL "B & C"



DETAIL "D"

START AT THESE POINTS AND COLD ROLL RELIEF GROOVES WITH ROLLER HAVING 0.1875" RADIUS AND USING 1200 LBS. PRESSURE. OVERLAP AT BOTTOM OF GROOVE. (REFER TO TIMKEN COMPANY PROCEDURES A–35426 AND C–31675 LATEST ISSUES)

STAMPING ON ONE END OF AXLE

STAMPING ON OTHER END OF AXLE

LABORATORY ACCEPTANCE, MANUFACTURER'S NAME OR BRAND, MONTH & YEAR, HEAT NUMBER, SERIAL NUMBER, GRADE OF AXLE TO BE STAMPED ON ONE END OF AXLE TUBE BY MANUFACTURER AND TRANSFERRED TO FINISH AXLE IN PRESENCE OF RAILROAD CO. INSPECTOR UNLESS WAIVED BY RAILROAD CO. DATE OF MOUNTING AND PLACE WHERE MOUNTED TO BE STAMPED ON OPPOSITE END OF AXLE BY BUILDER OR RAILROAD CO.

NOTE:

1– MATERIAL AAR M–101–GRADE F (LATEST ISSUE), SUBCRITICALLY QUENCHED, DOUBLE NORMALIZED AND TEMPERED.

2– AXLE MANUFACTURE AND INSPECTION MUST BE IN COMPLIANCE WITH AAR SPECIFICATION M–101 LATEST REVISION.

3– AXLE SHALL CONFORM TO MNR TECHNICAL SPECIFICATIONS MS–M–503 (LATEST REVISION).

1 4– FINISHED AXLE TO BE SUBJECTED TO MAGNETIC PARTICLE INSPECTION PER A.A.R. MANUAL OF STANDARDS SECTION G, PART II 2E3. STAMP (R) IN APPROPRIATE POSITION IF ACCEPTABLE.

5– TRANSITION FROM 32 MICROINCH FINISH TO LARGER MICROINCH FINISHES TO BE GROUND FOR AT LEAST 1 INCH PAST FILLETS INTO LARGER MICROINCH FINISH.

6– AXLE MARKINGS TO BE PER AAR SPECIFICATION M–101 LATEST REVISION.

7– WEIGHT OF AXLE: 678.51 LBS.

REDRAWN AND REPLACED DWG. ## D–35971 REV "C", BSK–9435–1 REV. "E" MMD640006. REV.1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS: ±1/32
DECIMALS: .XX±.01
.XXX±.005
HOLE#: .XX±.005
.XXX+.003/−.001
ANGLES: 0° 30'
BENDS: ±2°
PERPEND: 0.003/IN
MACHINED SURFACES: 125 OR BETTER

NEXT HIGHER ASSEMBLY 10M0330003

EQUIPMENT USED ON
019,021,034,038
SHORELINER

APPROVALS	DATE
DRAWN D.GENKIN	7/03/18
CHECKED K. DAYE	7/03/18
APPROVED L. HOENS	
RELEASED	

Metro-North Railroad

TITLE: AXLE(INBOARD BEARING)
DUAL BREAKE DISC

SIZE	ACCT.REF.NO.	DWG NO.	REV
D	29307075	10M0330005	1

SCALE NONE MODIFICATION NO. SHEET 1 of 1