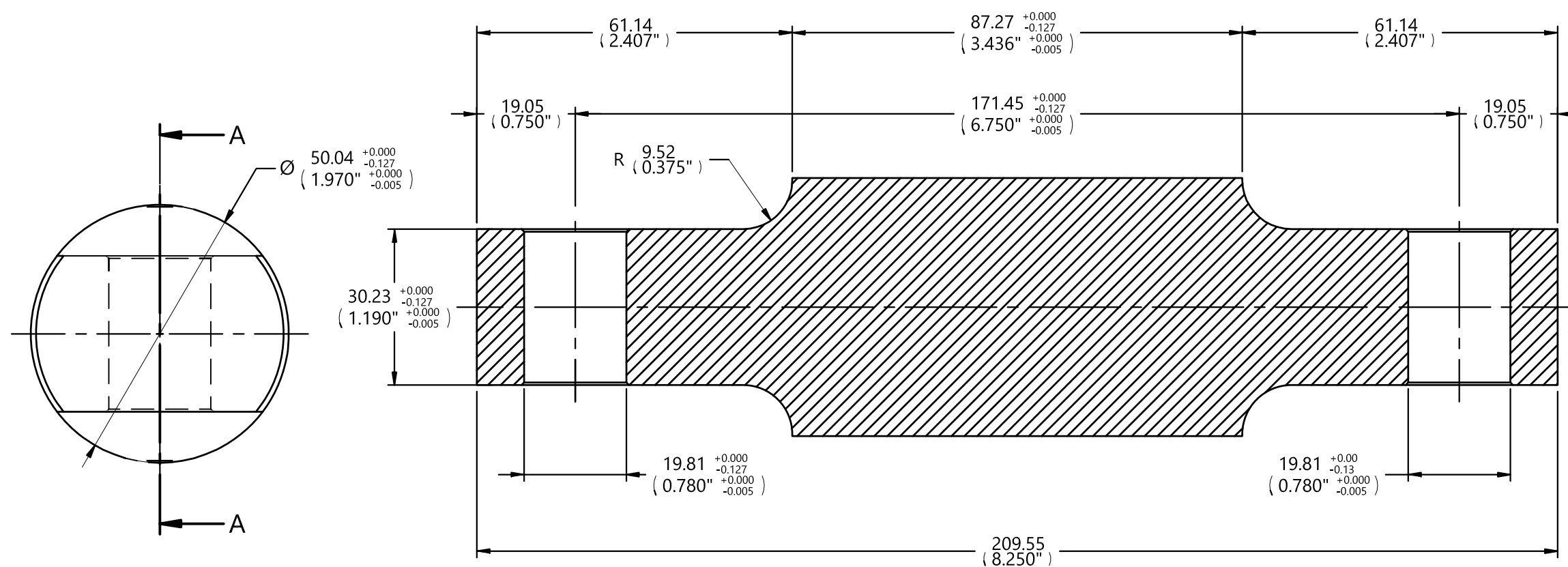


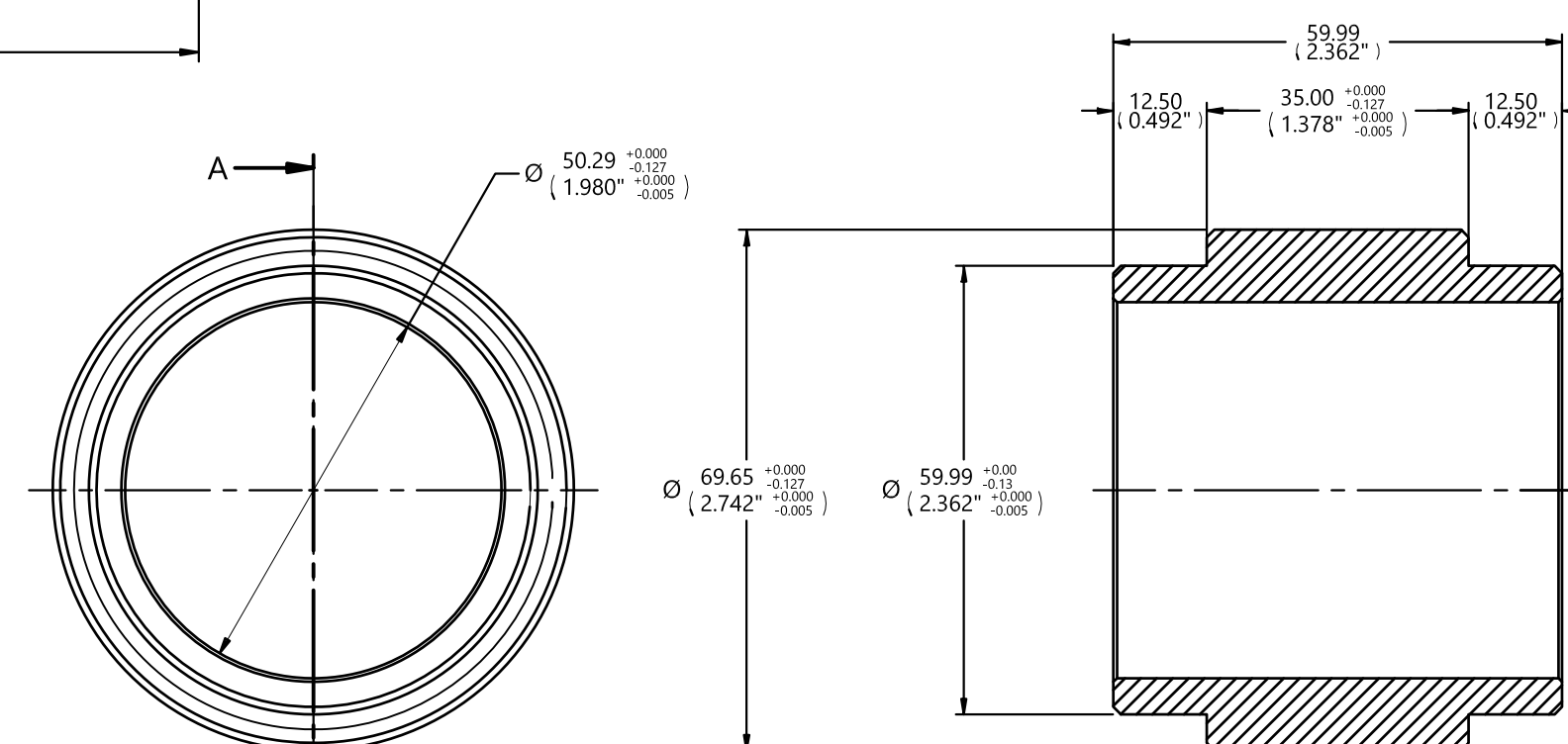
NOTES:

1. DRAWING IS NOT TO SCALE AND IS PROVIDED FOR INFORMATION ONLY.
2. CHAIN LINK HARDNESS SHALL BE BRINELL 27-3.0
3. STANDARD ROLLED-ASSEMBLY PATTERN WILL FOLLOW THE PATTERN OF TWO (2) STANDARD PINS FOLLOWED BY THREE (3) LONG PINS. SEE DWG 1CSUB-02-0002.
4. QUANTITIES LISTED IN THIS DRAWING ARE THE NUMBER OF PIECES REQUIRED PER BUCKET.
5. FABRICATION METHODS SHALL FOLLOW THE BEST ACCEPTED PRACTICE WITHIN THE INDUSTRY AND SHALL BE IN ACCORDANCE WITHIN THE AISC "SPECIFICATION FOR DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDING," LATEST EDITION.
6. ROLLED MATERIAL SHALL BE IN ACCORDANCE WITH THE TOLERANCES SPECIFIED IN ASTM A6. STRAIGHTENING SHALL BE DONE BY METHODS THAT WILL NOT INJURE OR WEAKEN THE MATERIAL.
7. WELDING SEQUENCE AND PROCEDURES AND WELDER AND TACKER CERTIFICATES OF QUALIFICATION SHALL BE IN ACCORDANCE WITH AWS D1.1. ONLY CERTIFIED WELDERS SHALL PERFORM THE WORK.
8. THE FOUR (4) ATTACHMENT POINTS OF EACH BUCKET ARE DIMENSIONALLY CRITICAL FOR INSTALLATION. A BUCKET CAN BE LOADED TO THE SUCCESSFUL BIDDER TO INJURE DIMENSIONAL COMPLIANCE.
9. NO PAINTING IS REQUIRED FOR ANY OF THE COMPONENTS.
10. ALL FABRICATIONS AND MATERIALS SHALL BE STAGED FOR INSTALLATION AT THE JEA FACILITY SPECIFIED.



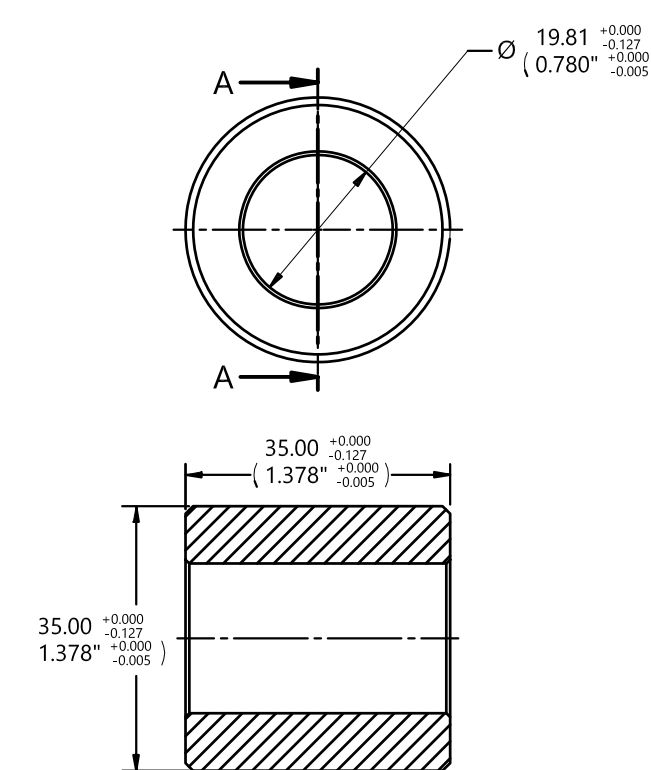
SECTION A-A

Long shaft Dimensions Ø 1.970" x 8.250" long  
Material: ASTM F1554 Grade 55, Hardness 89-93 HRB  
Weight: 2.596 kg  
Quantity per Bucket: 2



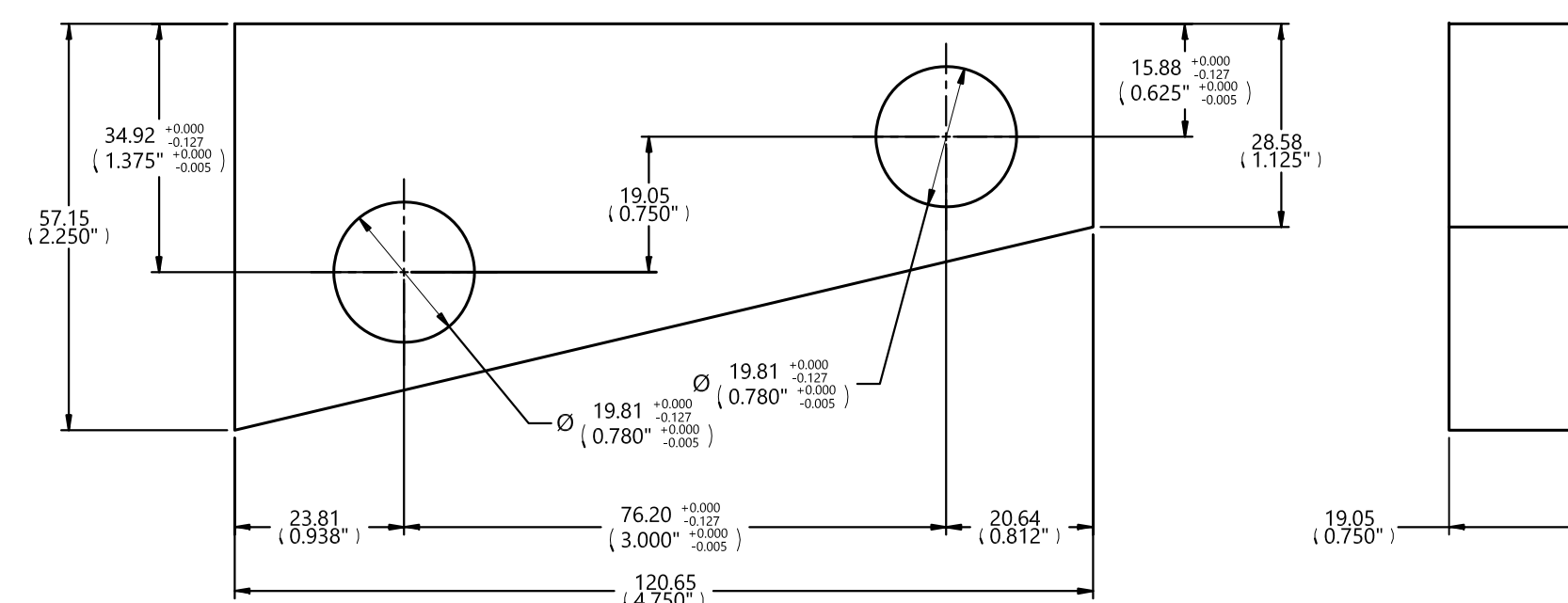
SECTION  
A-A

STEPPED BUSHING  
Material: ASTM F1554 Grade 55, Hardness 89-93  
Weight: 0.669 kg  
Quantity per Bucket: 2



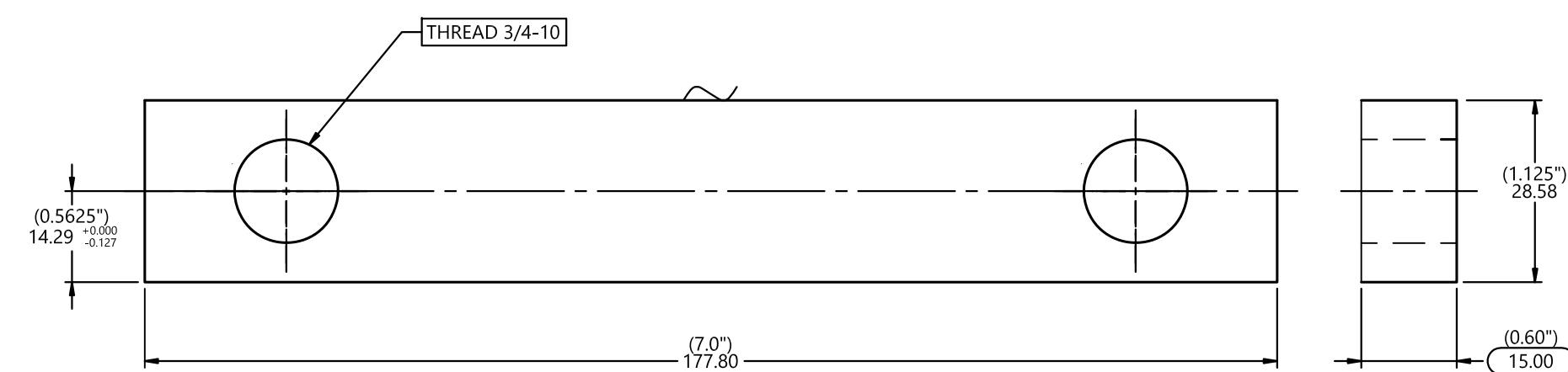
SECTION A-A

.78" Bushing Dimensions Ext Ø 1.378" x 1.378" long  
Material: AISI 1020  
Weight: 0.180 kg  
Quantity per Bucket: 2

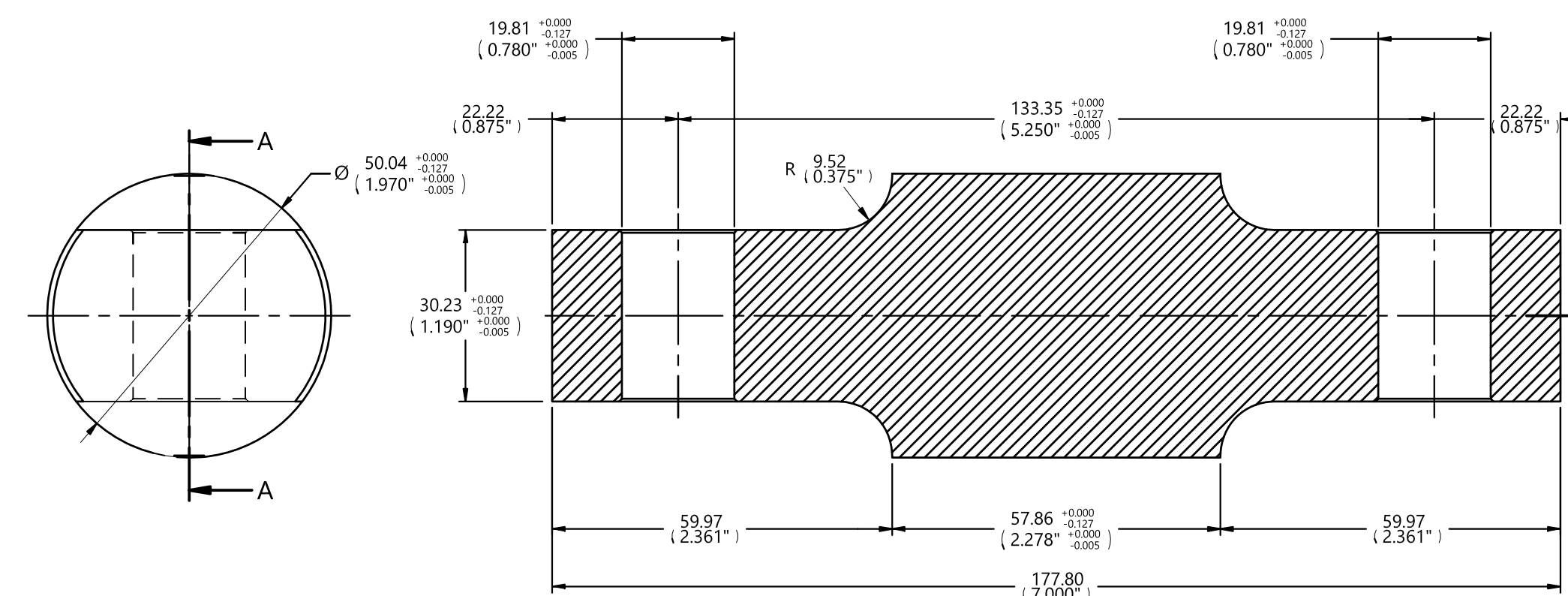


Small Wedge. Dimensions 3-4" x 2.25" x 4.75"  
Material: ASTM A-36  
Weight: 0.681 lb

Material: ASTM A-36  
Weight: 0.681 kg  
Quantify per Bucket: 4

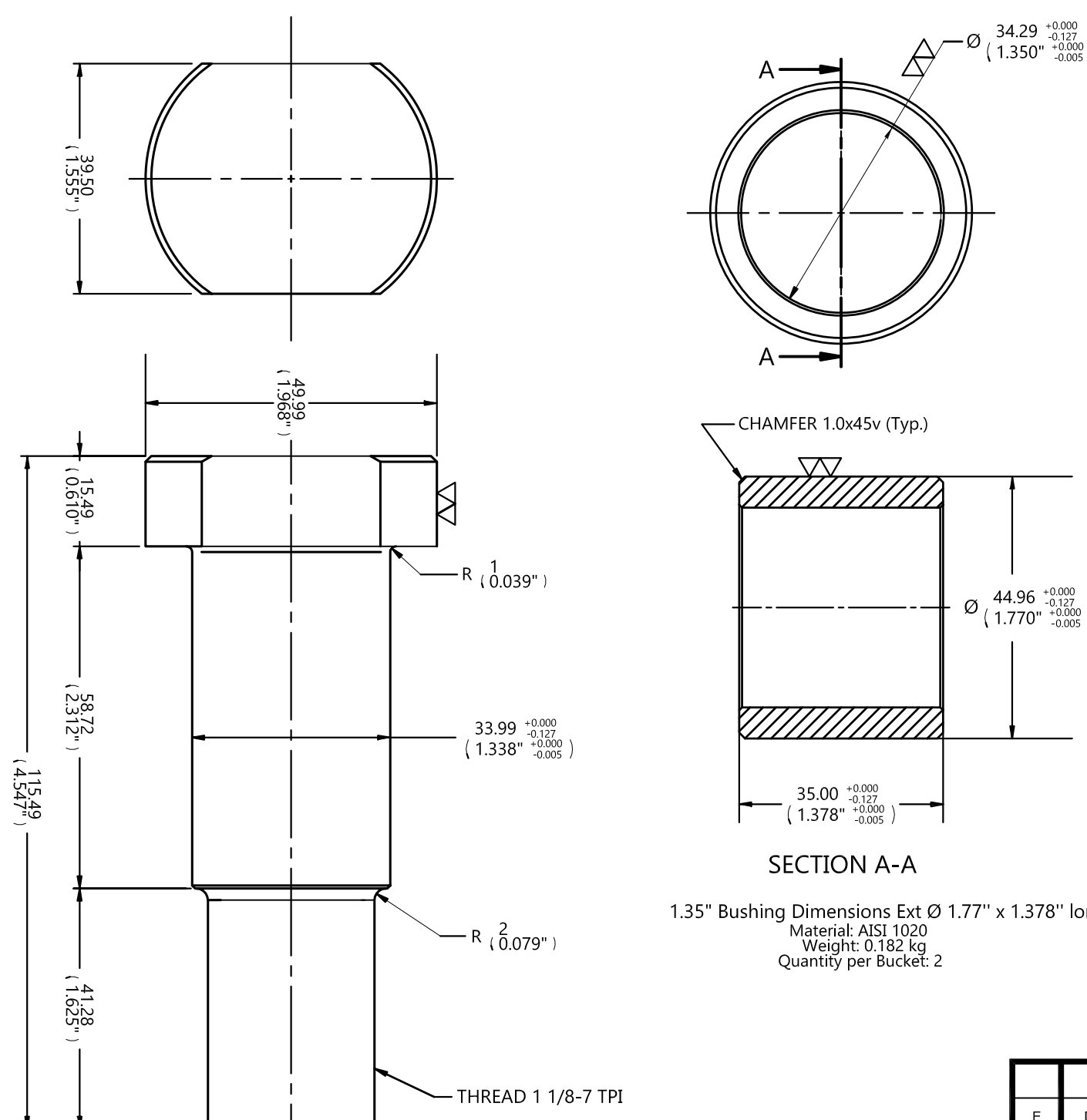


**THREADED BRACKET**  
Material: ASTM A-36  
Weight: 0.549 kg  
Quantity per Bucket: 6



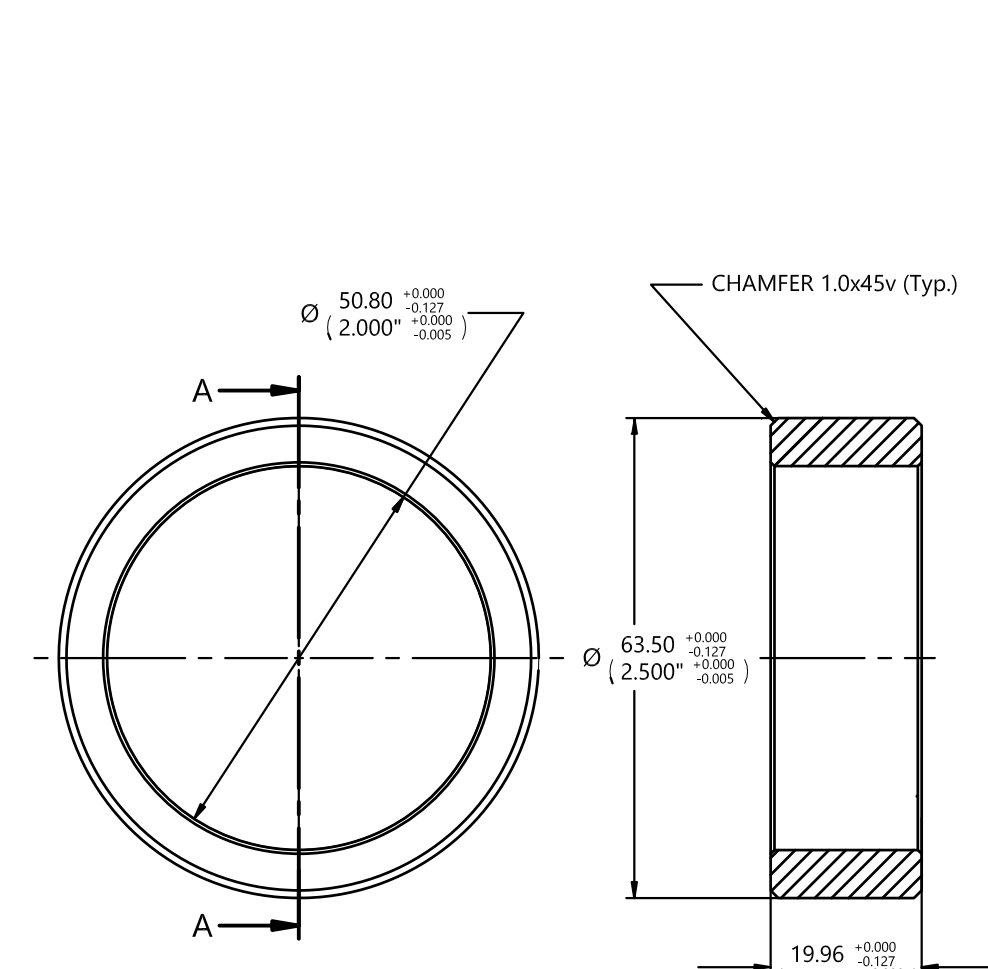
SECTION A-A

Short Shaft Dimensions Ø 1.97" x 7"  
Material: ASTM F1554 Grade 55, Hardness 89-93 HRC  
Weight: 2.166 kg  
Quantity per Bucket: 2



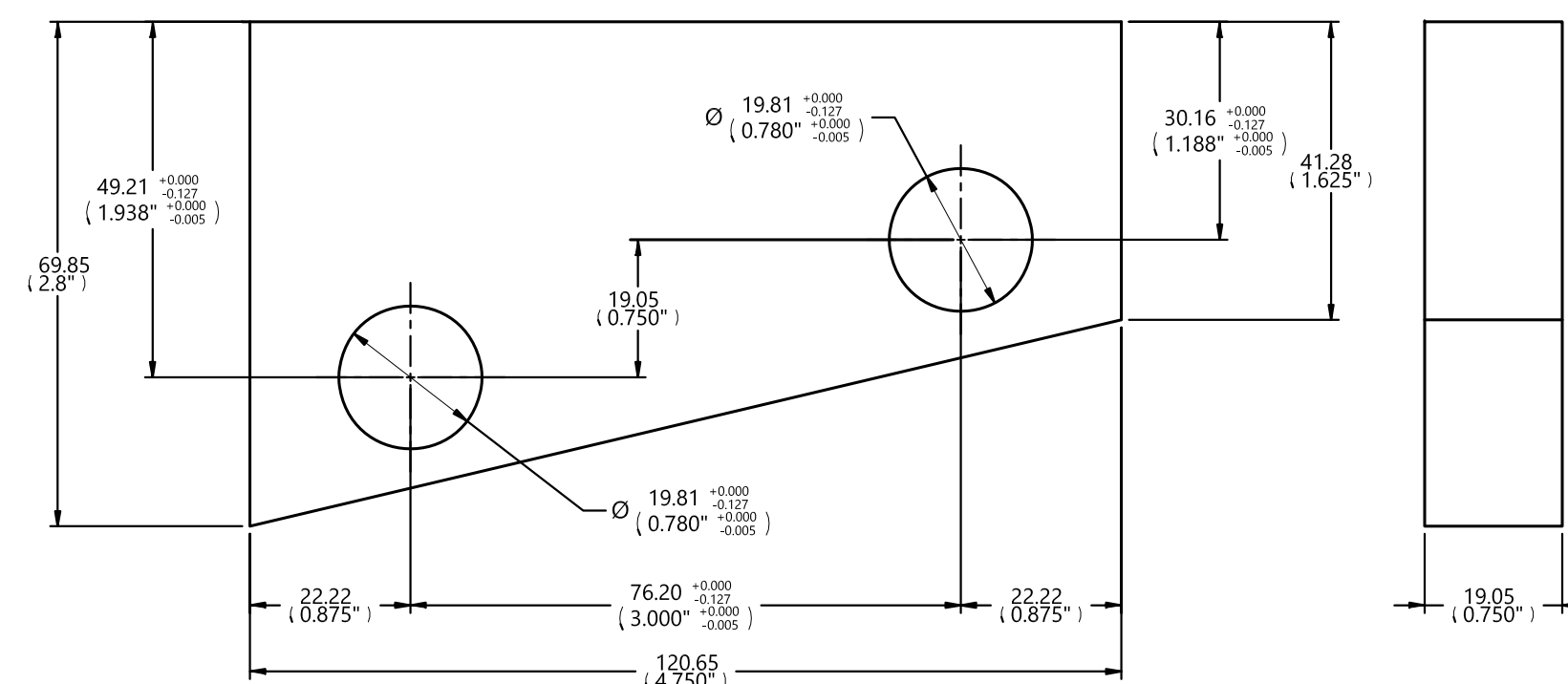
SECTION A-A

1.35" Bushing Dimensions Ext Ø 1.77" x 1.378" long  
Material: AISI 1020  
Weight: 0.182 kg  
Quantity per Bucket: 2



SECTION A-A

2.00" Bushing Dimensions ext Ø 2.5" x 0.786" long  
Material: ASTM F1554 Grade 55, Hardness 89-93 HRB  
Weight: 0.178 kg  
Quantity per Bucket: 4



Large Wedge. Dimensiones 3-4" x 2.75" x 4.75"

Material: ASTM A-36  
Weight: 0.910 kg  
Quantity per Bucket: 1

E	DJO	SEP-13-2021	UPDATED ASTM F1554 GRADE 55 SPEC & SHORT SHAFT DIMS	-
D	DJO	JAN-13-2021	REVISED TO MATCH APPROVAL DRAWINGS & REMOVED LONG PIN	-
C	DJO	JAN-13-2021	RELEASED FOR INFORMATION	-
B	DJO	JAN-08-2021	ADDED LONG PIN DETAIL	-
A	DJO	DEC-18-2020	DRAWING COMPILED FROM PREVIOUS WORK	-
REV NO.	DRWN BY	DATE	DESCRIPTION	APPR BY

## CONTINUOUS SHIP UNLOADER CHAIN & BUCKET HARDWARE



NORTHSIDE  
GENERATING  
STATION

JACKSONVILLE ELECTRIC  
AUTHORITY

CONTROL NUMBER: 309532

UNIT: N00
PROJECT DEF: 060-194
GEMS NO: N0#-##
SCALE: NTS
SHT. 4 OF 5
DWG. NO: 1CSU6-07-0004