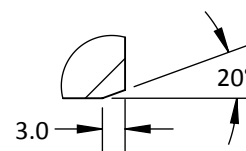
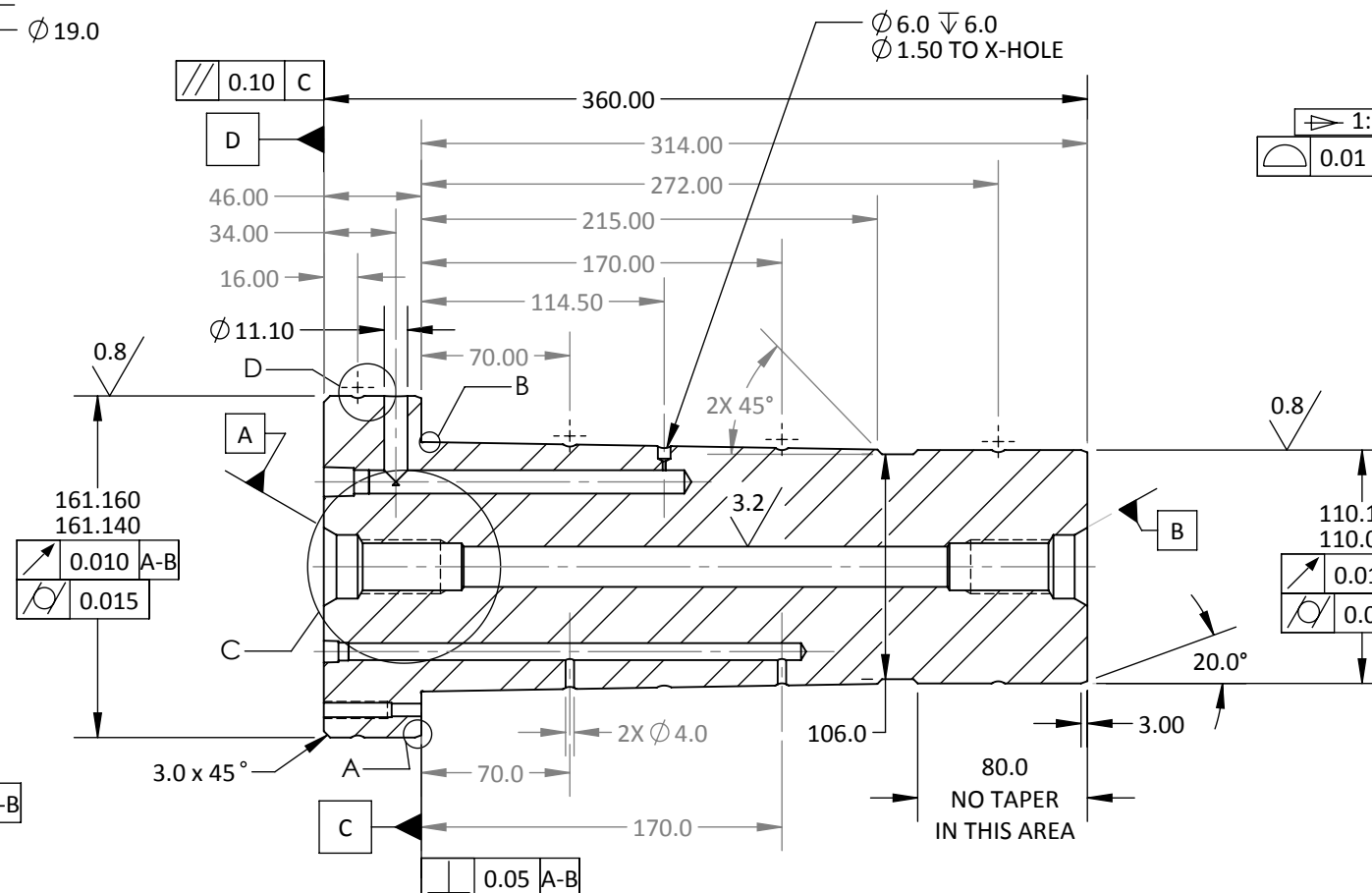


NOTES:

1. MATERIAL: AISI 4340H STEEL BAR STOCK. REFER TO ISO 6336-5 (or AGMA 2001-404) FOR MATERIAL QUALITY COMPLIANCE. PROVIDE INSPECTION REPORTS OR PROOF ACCORDING TO THE PROVISIONS EN-10204-3.1.
2. HEAT TREAT: QUENCHED AND TEMPERED 319-353 BHN
3. ULTRASONIC TESTING: TESTING OF STEEL BAR MUST FOLLOW THE PROVISIONS OF EN-10228-3 LEVEL 3 (AGMA A-388- TO AN EQUIVALENT 3 mm FLAT BOTTOMED HOLE IS AN ACCEPTABLE ALTERNATIVE.)
4. CRACK TESTING: MAGNETIC PARTICLE TESTING OR DYE PENETRANT TEST GROUND SURFACES TO ISO 6336-5 (ALT: AGMA 2001-D04-GRADE 3) NO CRACKS ALLOWED.
5. VISUALLY INSPECT TAPER 100 % AND RECORD MEASUREMENTS AT GAUGE DIA AND LENGTH. ALT: CMM REPORT ACCEPTABLE.
6. IDENTIFY WITH PART NUMBER, REV LEVEL, SUPPLIER INITIALS, JOB NUMBER, AND SHOP ORDER NUMBER
7. HOLES MUST MEET CROSS HOLES, FULL DIAMETER. NON SPECIFIED FILLETS - R3, NON SPECIFIED CHAMFERS - 1x45°



DETAIL A
SCALE 1 : 1

SECTION A-A

SECTION E-E

MAKE FROM MODEL: SUPERSEDES 1509-GS-013-B

REV	CHANGED FROM	BY	DATE	APRD	REPORT ERRORS & CHANGES REMOVE ALL BURRS AND SHARP EDGES DIMENSIONS ARE IN MILLIMETERS. UNSPECIFIED TOLERANCES: DECIMALS: FINISH: ANGLES: X. ±1.0 6.3 < ± 0.5° .X ±0.5 V _{μm} Ra .XX ±0.25 COPYRIGHT © NOT TO BE REPRODUCED OR USED TO MAKE OTHER DRAWINGS OR MACHINERY			National Renewable Energy Laboratory				
C	CHANGES PER REVIEW. UPDATE BORDER	CPS	3/12/13					TITLE: PIN, PLANET CARRIER				
D	CHANGES PER CUSTOMER REVIEW. RELEASE FOR PRODUCTION	CPS	4/10/13									
E	REPAIR DANGLING DIMENSION LEADERS	JMG	10/18/13					SIZE B				
F	CHANGES REQUESTED PER MANUFACTURER DRW REVIEW	CPG	12/10/13									
G	CHANGES PER MFG REVIEW, REFER 1509-ECN-026	CPG	11/23/15		DRAWN	JMG	DATE: 9/22/12	SCALE: 1:3.5 WEIGHT: 29.79 kas SHEET 1 OF 1				
H	CHANGES PER MFG REVIEW	CPG	1/19/16		CHECKED	NJB	THIRD ANGLE PRI 