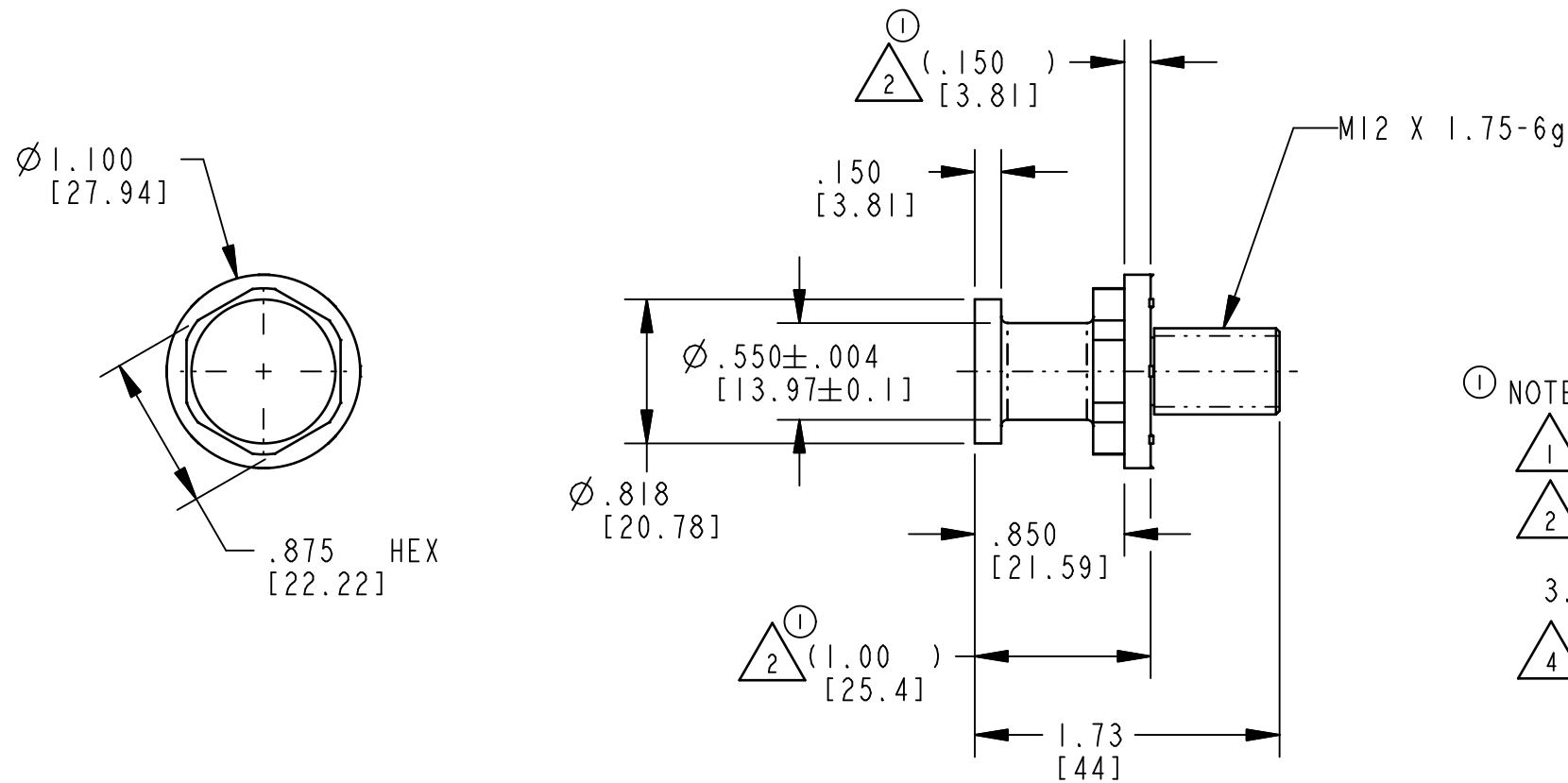
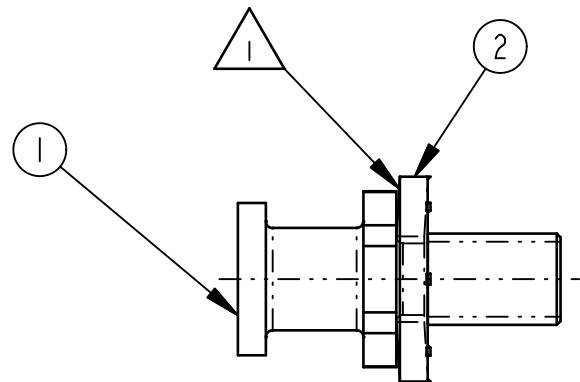


REV.	ECN	BY	CHKD	REVISION
-	-	MPD 8/8/94	JLS 8/8/94	REDRAWN ON CAD
				REVISED TOLERANCES, NOTES & FORMAT ADDED INITIALS & DATES TO TITLE BLOCK
1	1544	JRS 10/11/99	AEP 10/11/99	(.150) WAS .150;(1.00) WAS 1.00;REVISED NOTES;MATERIAL; HEAT TREAT;FINISH;PART NAME



- ① NOTES:
- ① WASHER ORIENTATION IMPORTANT.
 - ② WASHER SHOWN IN INSTALLED POSITION.
 - 3. DIMENSIONS IN [] ARE IN MILLIMETERS FOR REFERENCE ONLY.
 - ④ FINISH IS FOR REFERENCE ONLY.



ITEM	PART NO.	DESCRIPTION	QTY.
2	80869-16	WSHR,BVL,.460X1.100X.150	1
1	81887-16	BLT,STKR,M12X1.75X1.732,7/8	1

SPEC		DESCRIPTION	
DRAWN BY	JGP 1/19/90	MATL	MATERIAL PER ES-141
CHECKED BY	SJG 8/16/94	① HEAT TREAT	HEAT TREAT PER ES-141
DESIGN ENG.	SJG 8/16/94	① FINISH	④ PLATE,ZINC/COAT,CHROMATE,YELLOW PER ES-104A
MFG. ENG.		PROJECT	93059
QUALITY ENG.		CUSTOMER	CATERPILLAR
TOLERANCES UNLESS OTHERWISE SPECIFIED ANSI Y14.5M-1982		CUSTOMER PART NO.	8Y8304
DIMENSIONS ANGLES		SIZE	B
X.X = ±.1	X° = ±3°	PART WT.	
X.XX = ±.03	X.X° = ±1.0°	SURFACE AREA	
X.XXX = ±.010	X.XX° = ±.50°	PROD CODE	070-0201
INCH [METRIC]		REPORT ERRORS TO ENGINEERING DEPT.	
FORM 163-210 REV. 1.0 10/15/93		DO NOT SCALE DRAWING	



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PART NAME ①		
ASSY,BLT/WSHR,1.000 SHLDR,M12X1.75		
SCALE	REV.	PART NO.
FULL	1	11807-16