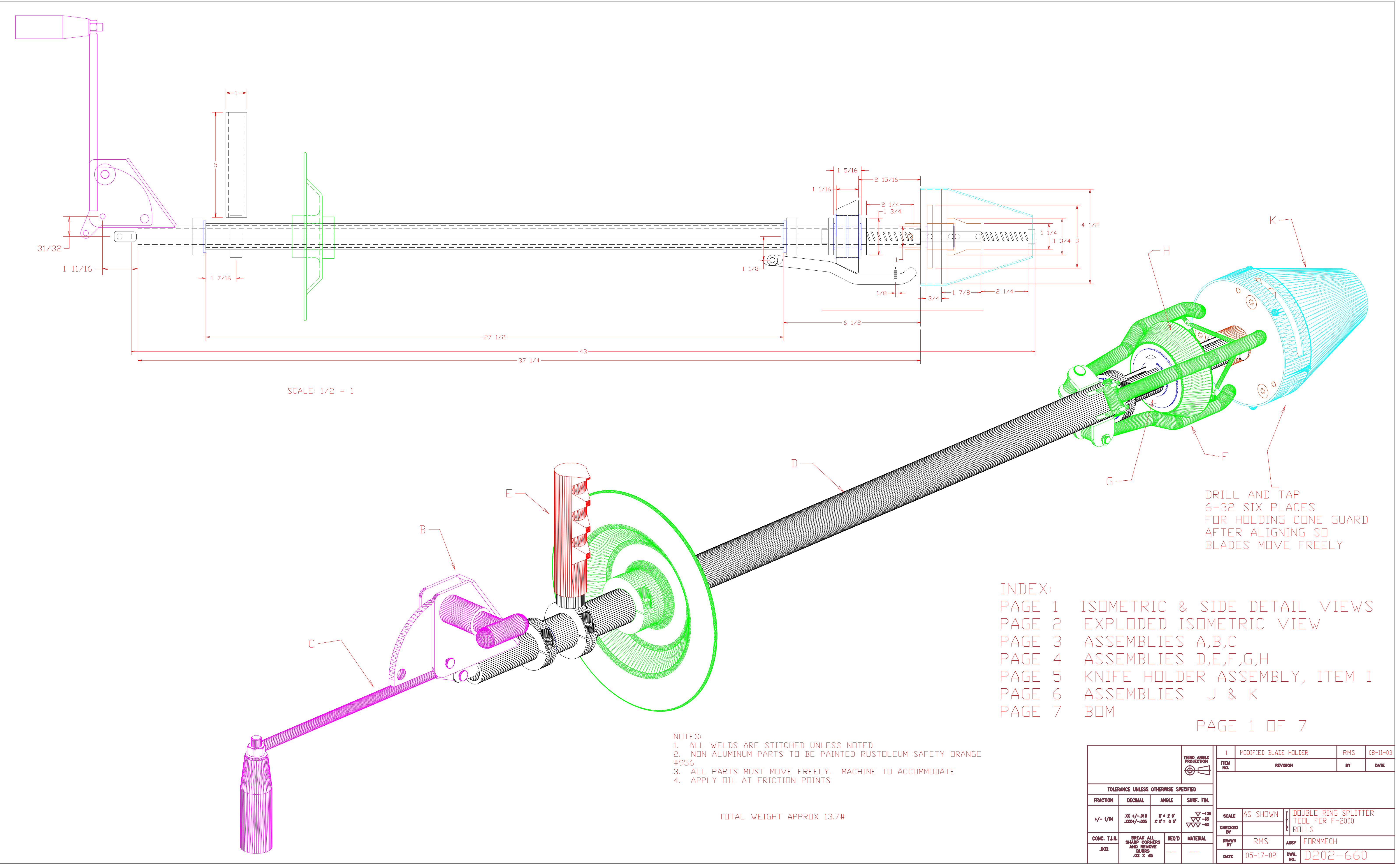
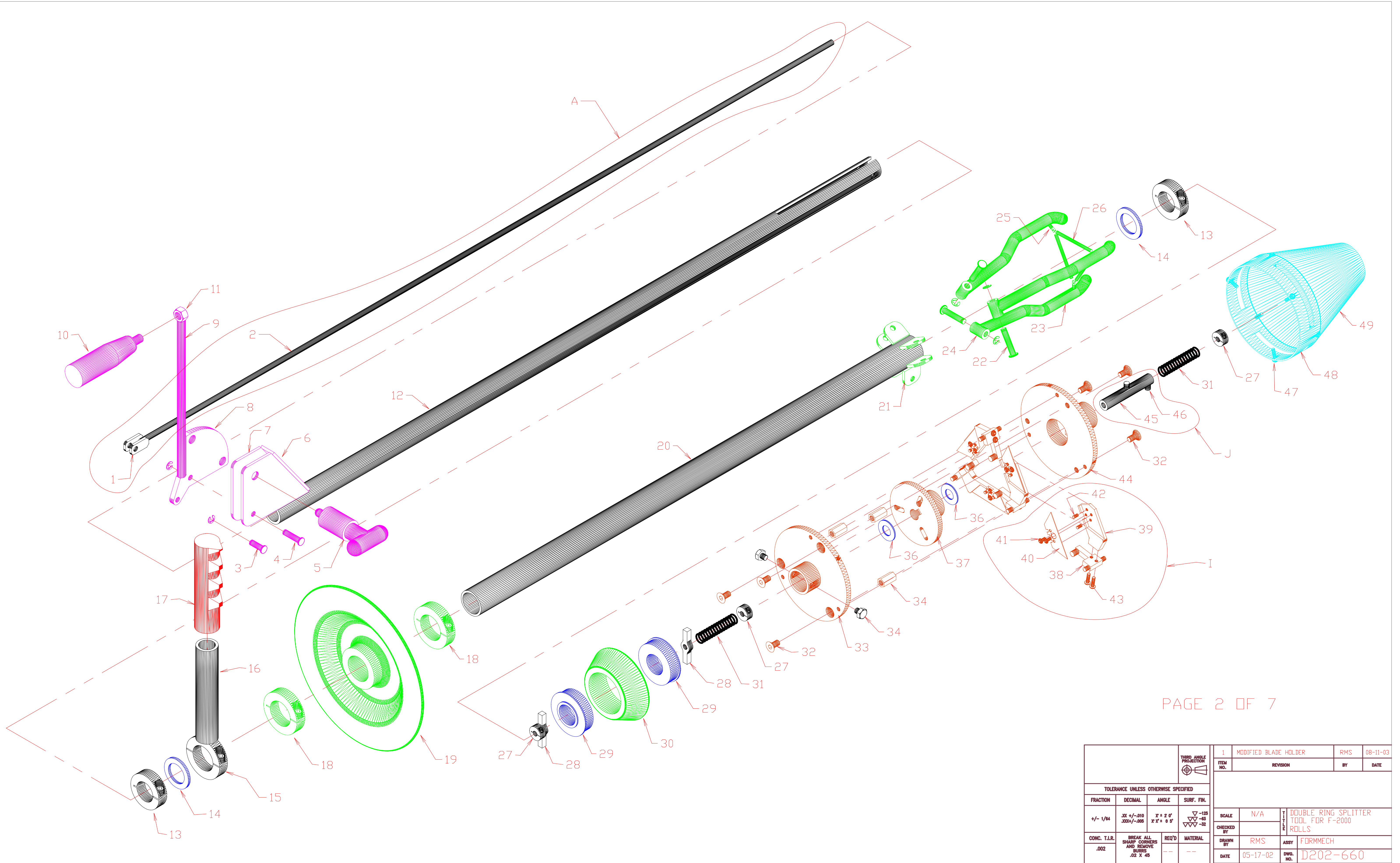


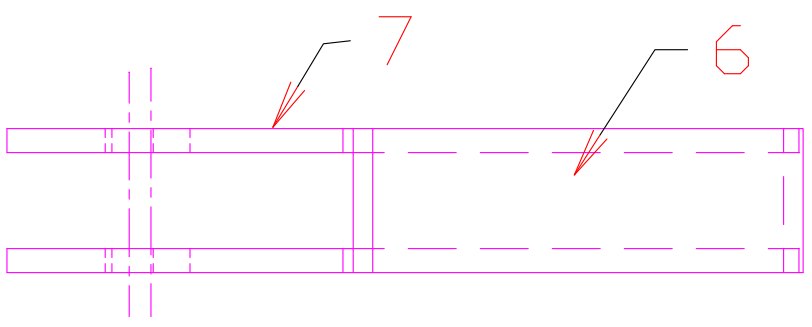
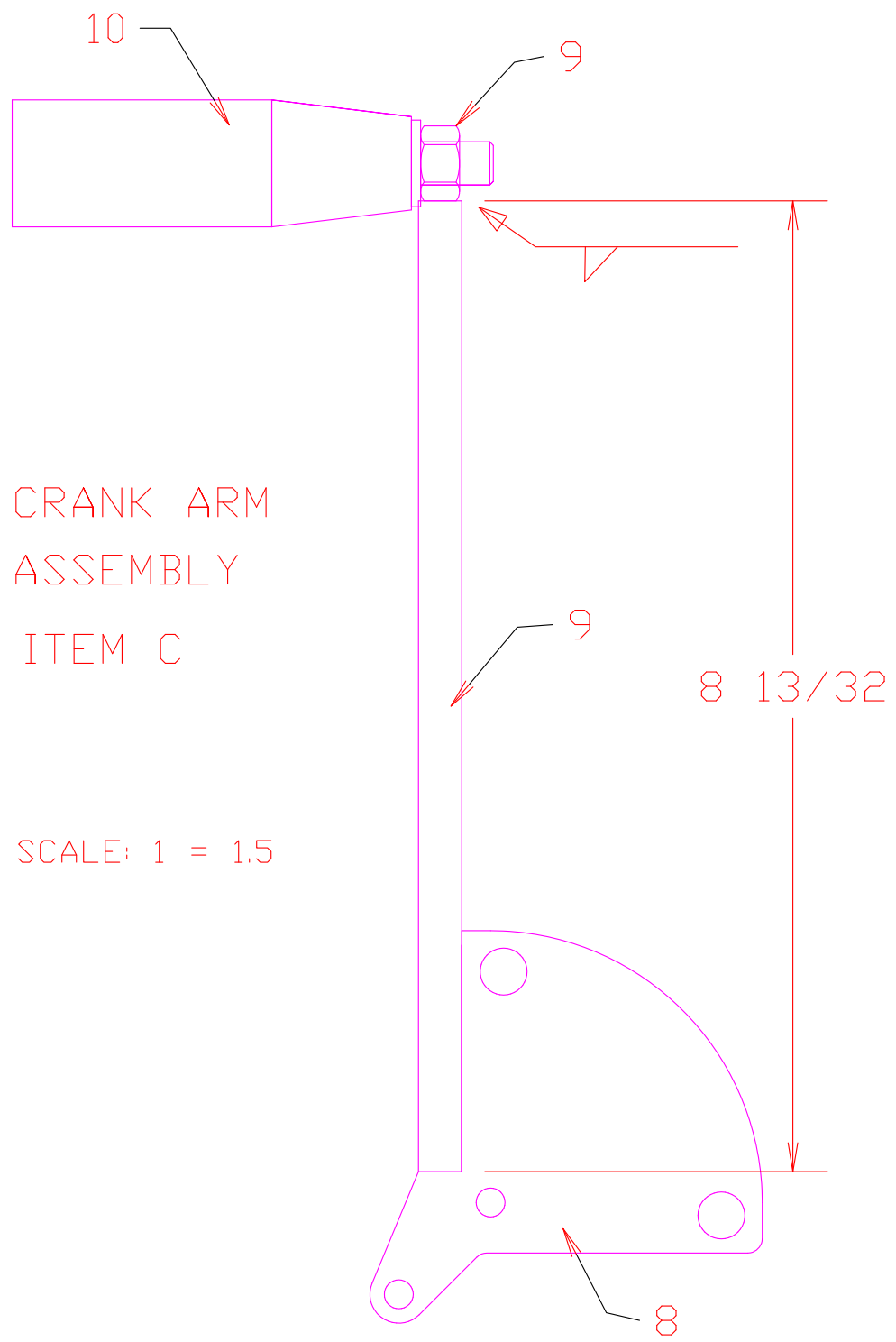
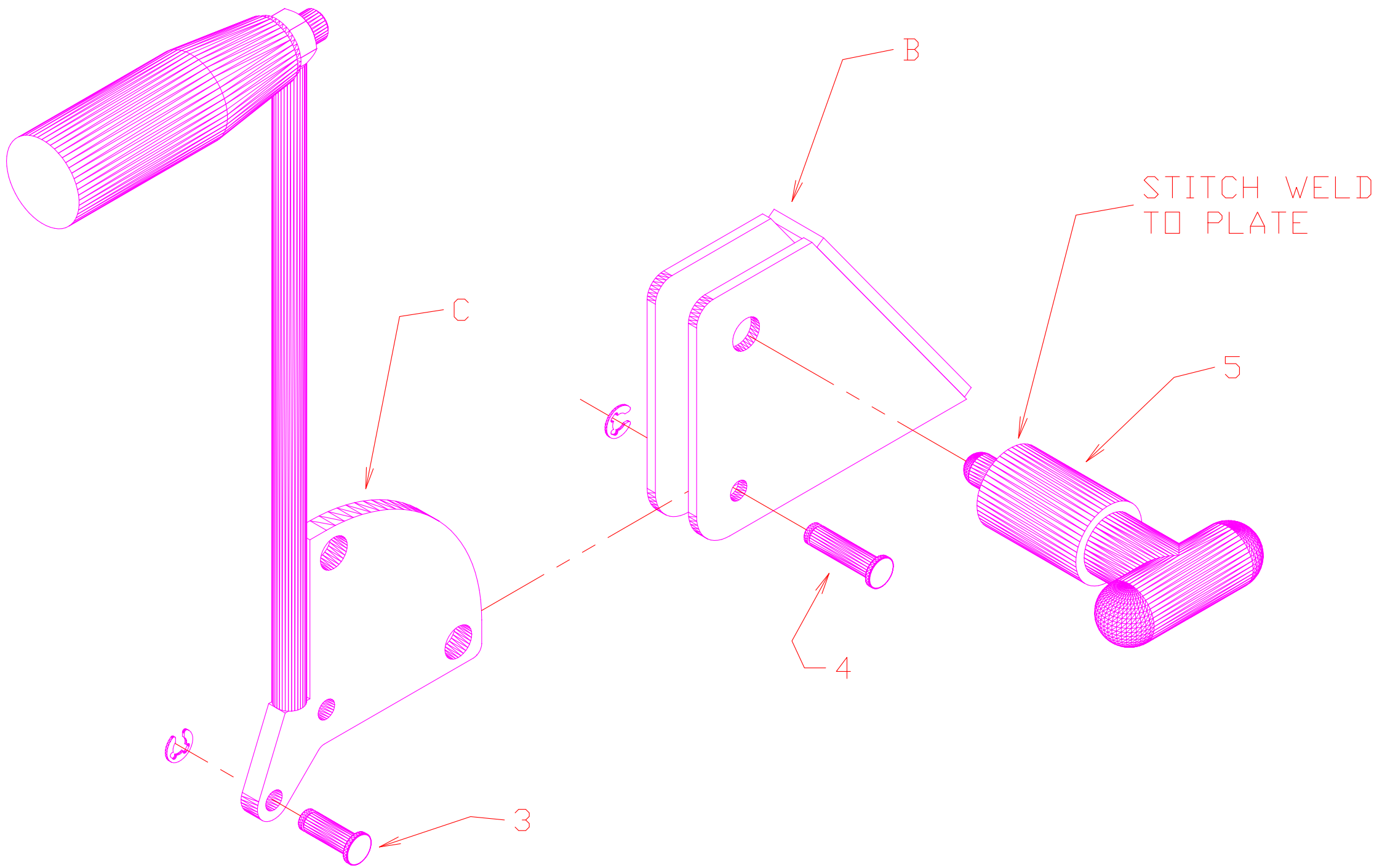
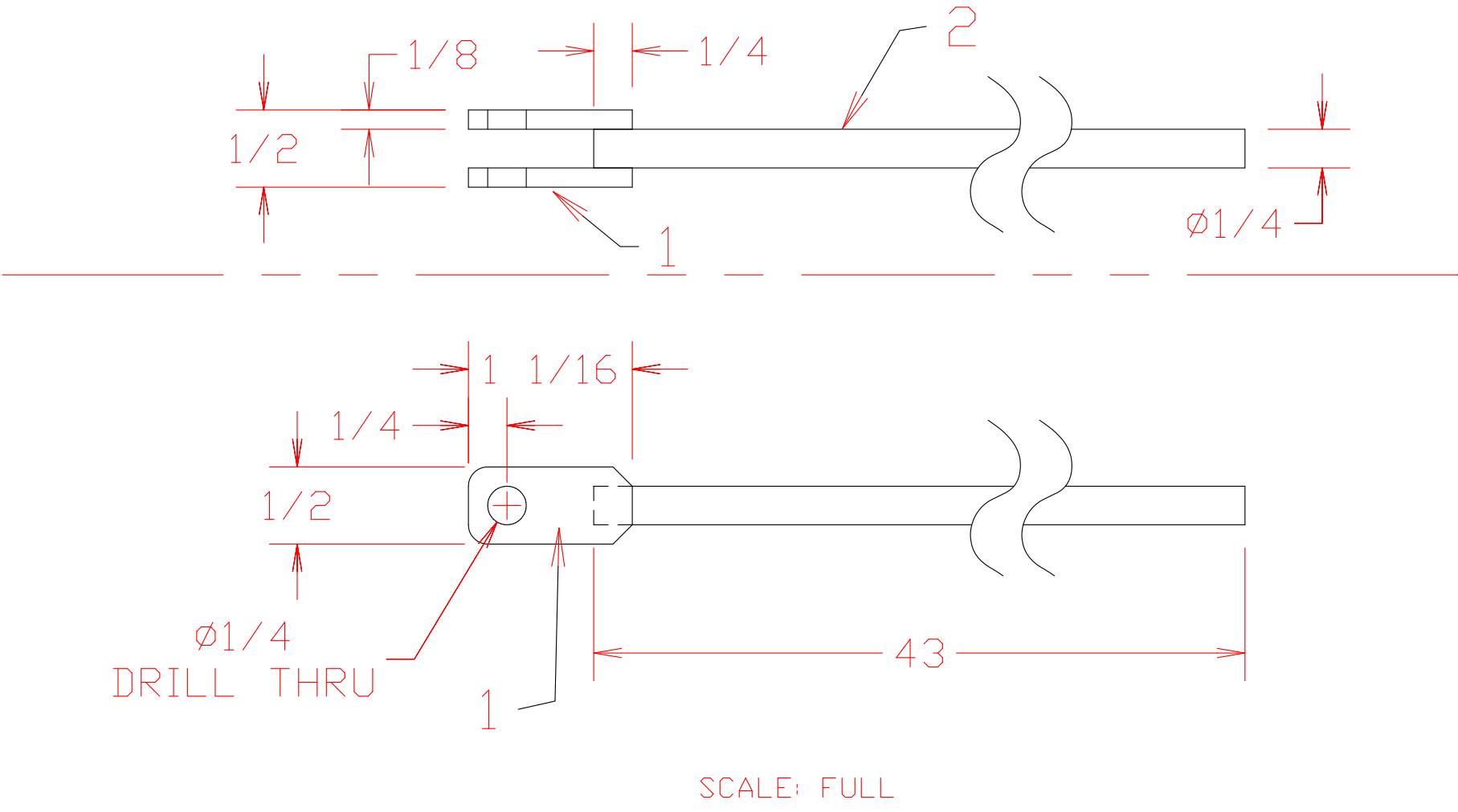


THIRD ANGLE PROJECTION 			1		MODIFIED BLADE HOLDER		RMS		08-11-03		
			ITEM NO.		REVISION				BY		DATE
TOLERANCE UNLESS OTHERWISE SPECIFIED											
FRACTION		DECIMAL		ANGLE		SURF. FIN.					
+/- 1/64		.XX +/- .010 .XXX +/- .005		X' = 2 0' X' X' = 0 5'		-125 -32 -32					
CONC. T.I.R.		BREAK ALL SHARP CORNERS AND REMOVE BURRS .02 X .45				REQ'D		MATERIAL			
.002						--		--			
SCALE				AS SHOWN		T I T L E	DOUBLE RING SPLITTER TOOL FOR F-2000 ROLLS				
CHECKED BY				RMS							
DRAWN BY				RMS		ASSY	FORMMECH				
DATE				05-17-02		DWG. NO.	D202-660				



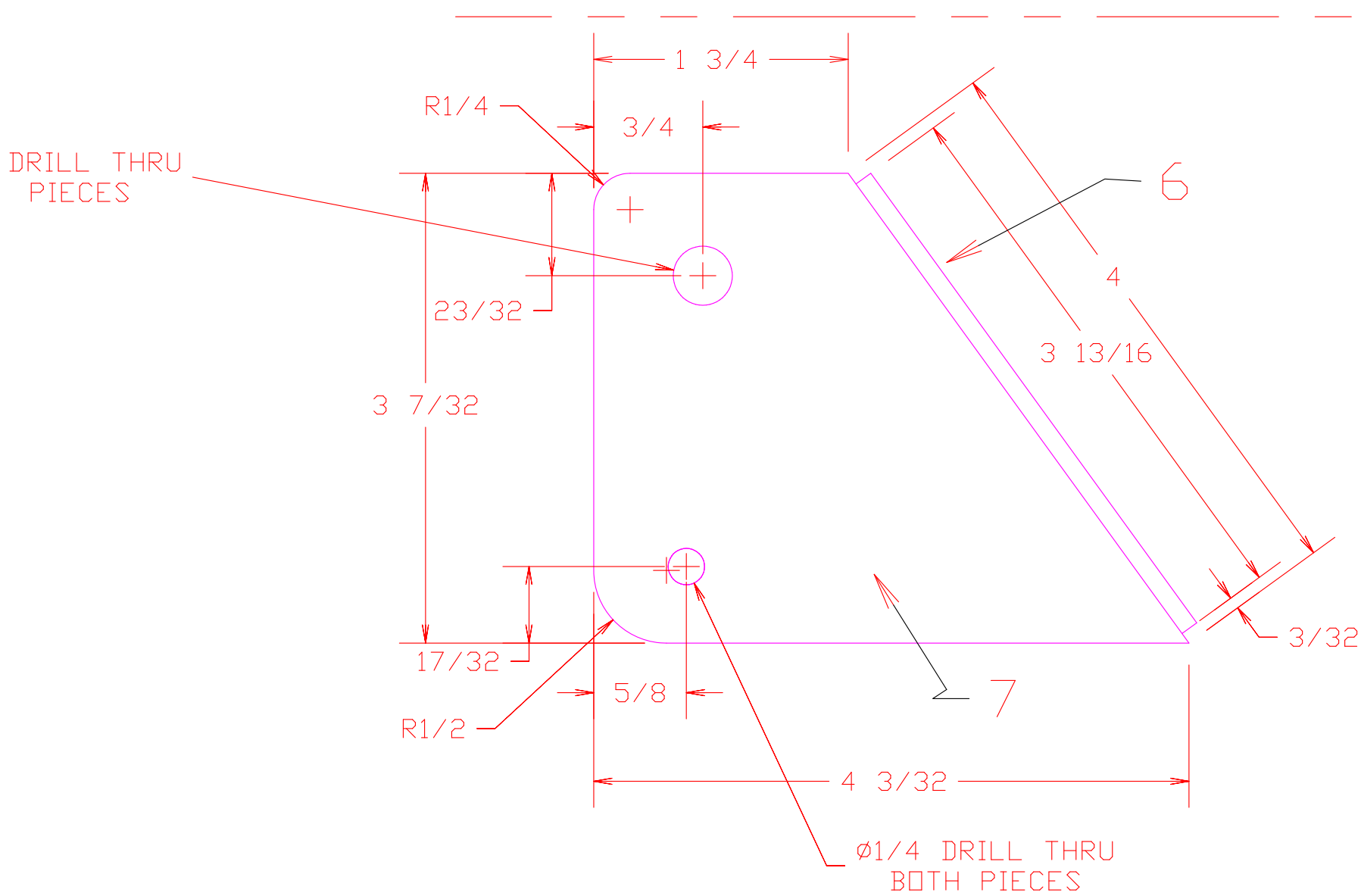
				THIRD ANGLE PROJECTION		1		MODIFIED BLADE HOLDER		RMS		08-11-03					
						ITEM NO.		REVISION				BY		DATE			
TOLERANCE UNLESS OTHERWISE SPECIFIED																	
FRACTION		DECIMAL		ANGLE		SURF. FIN.		SCALE		N/A		T T T T T T T T T T				DOUBLE RING SPLITTER TOOL FOR F-2000 ROLLS	
+/- 1/64		.001 +/- .010 .002 +/- .005		X' ± 2 0' X' X' ± 0 5'		▽ -125 ▽ -63 ▽ -32		CHECKED BY		RMS		ASSY				FORMMECH	
CONC. T.I.R.		BREAK ALL SHARP CORNERS AND REMOVE BURRS .02 X 45		REQ'D		MATERIAL		DRAWN BY		RMS		ASSY				D202-660	
.002				--		--		DATE		05-17-02		DWG. NO.					

ACTUATOR ROD ASSEMBLY
ITEM A



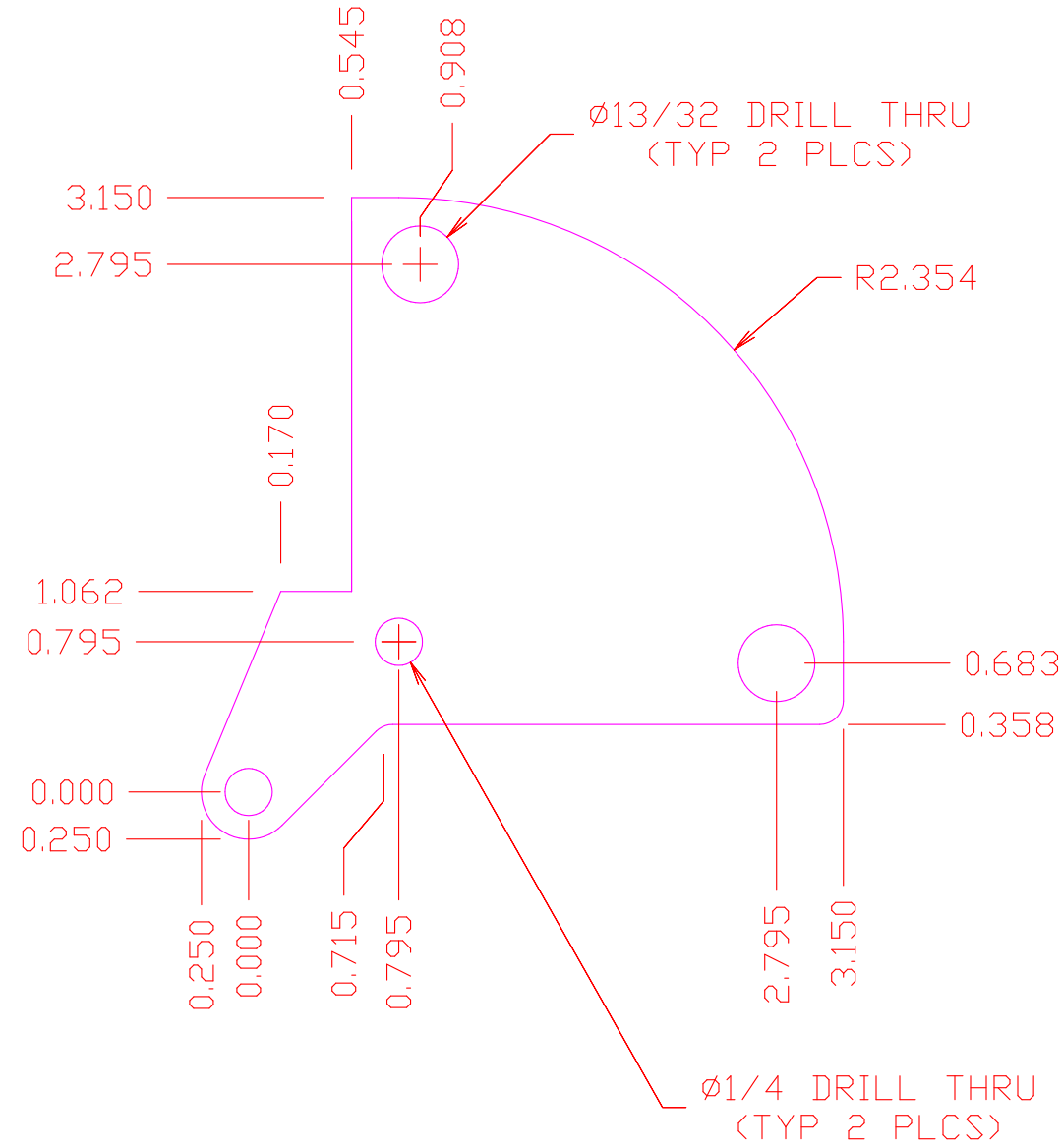
CRANK ARM
PIVOT ASSEMBLY
ITEM B

SCALE: FULL



ITEM 8

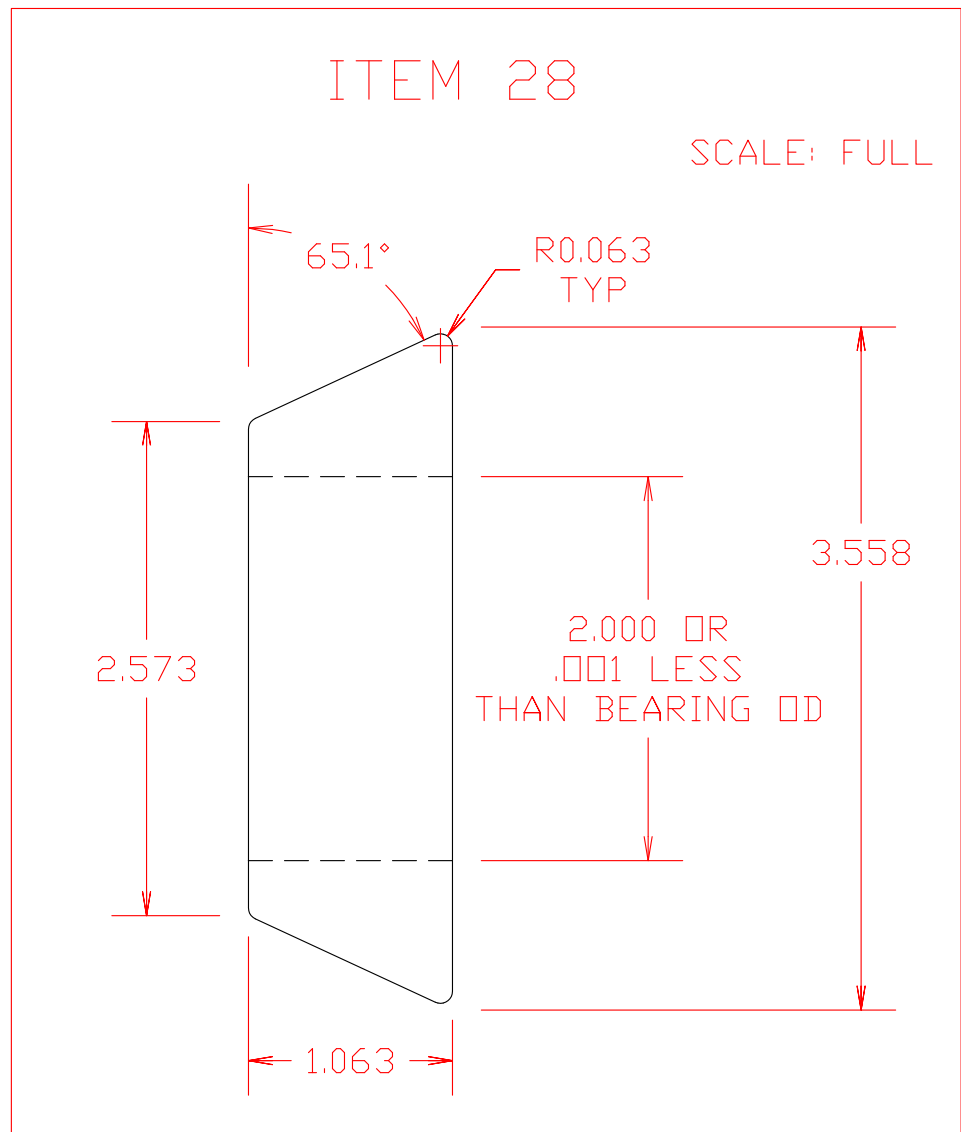
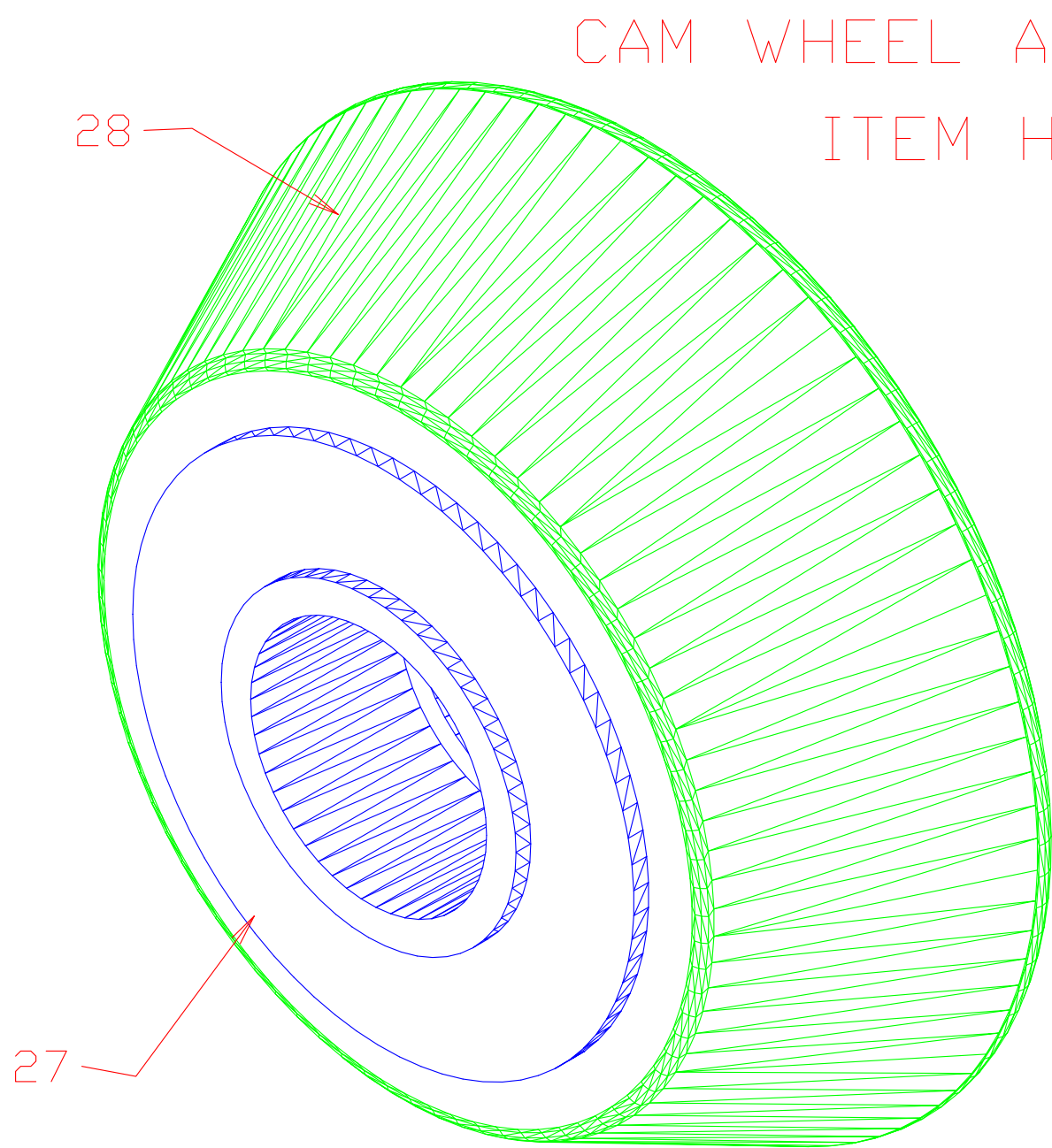
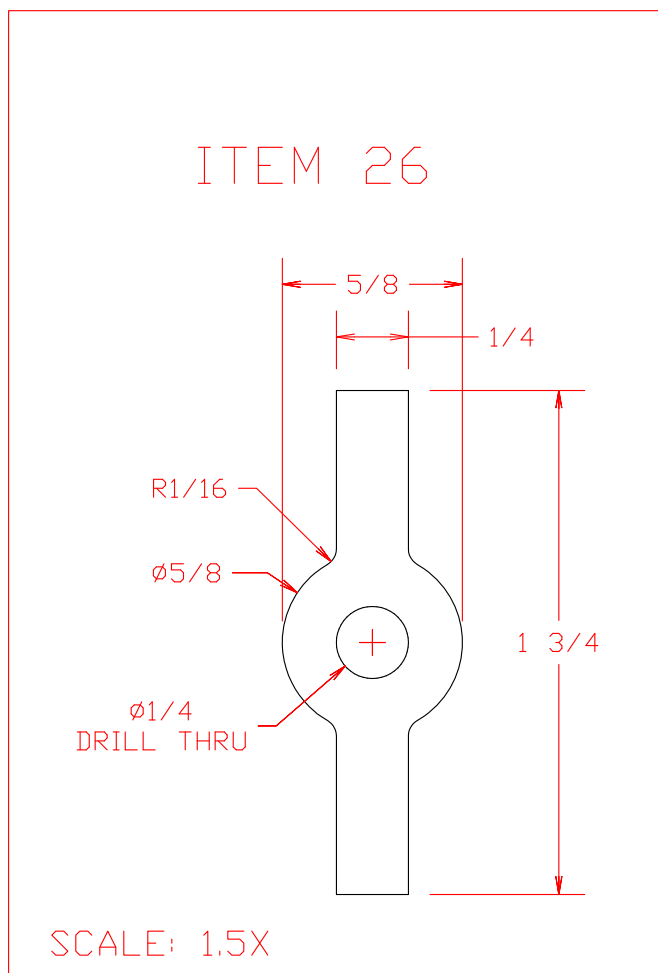
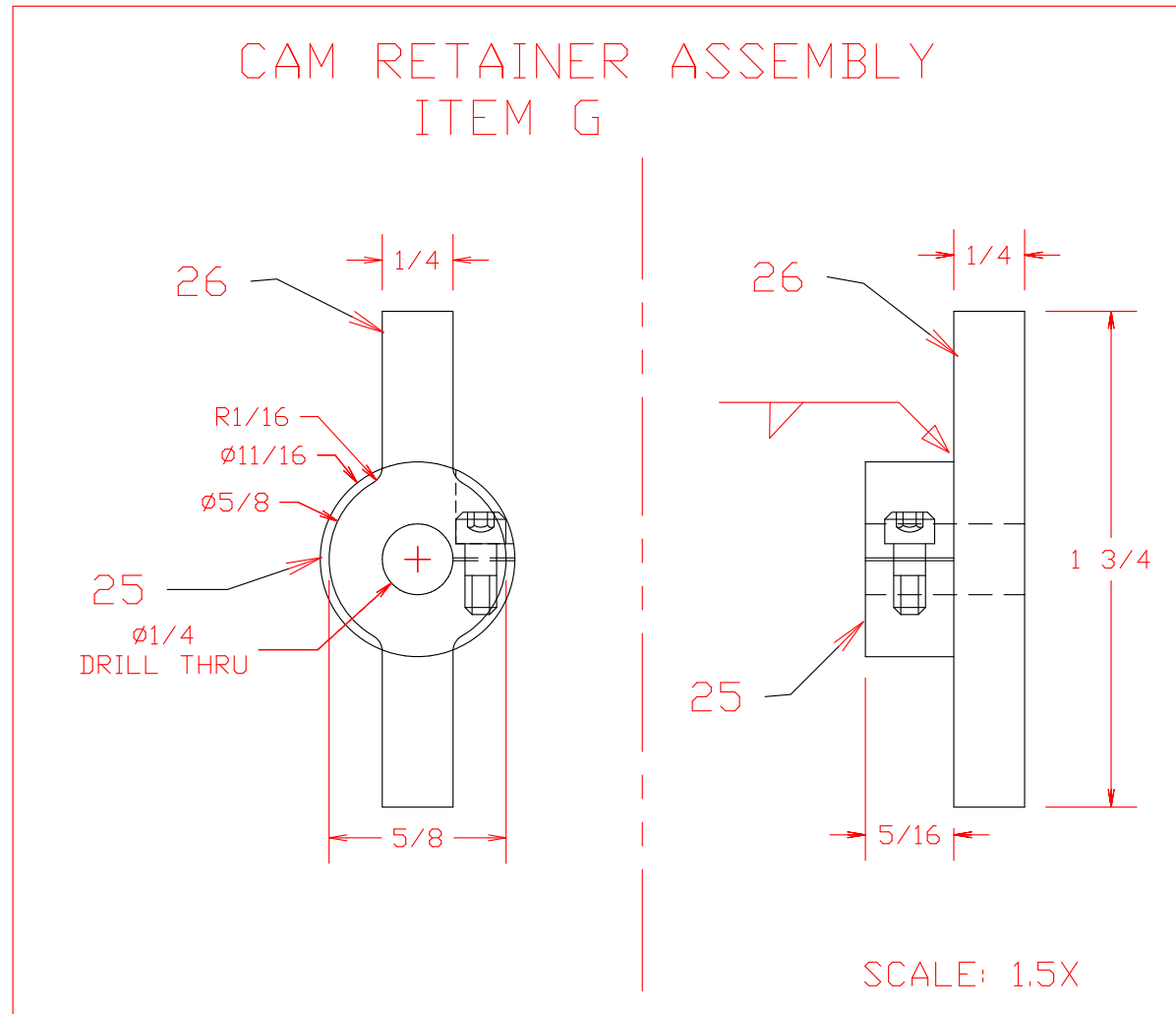
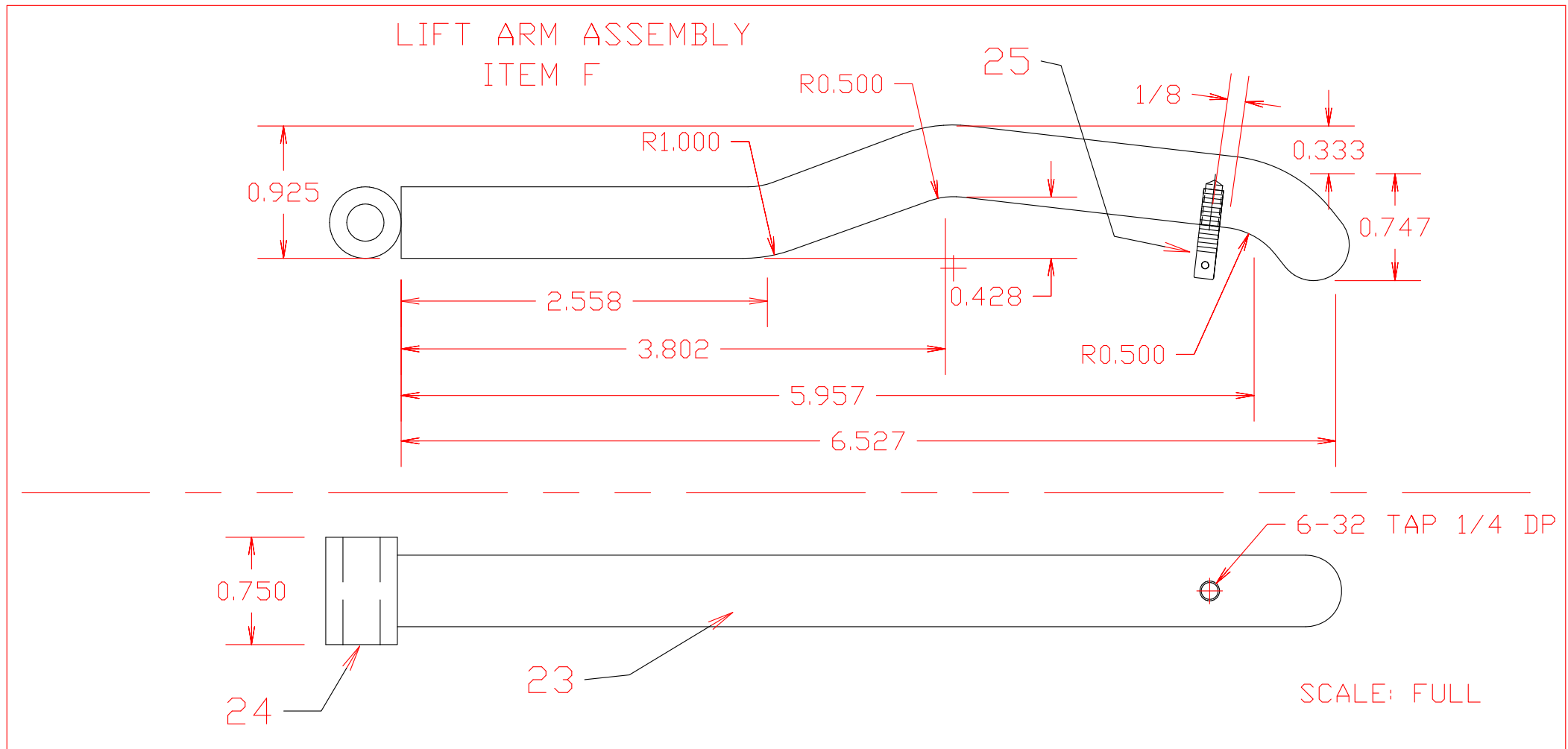
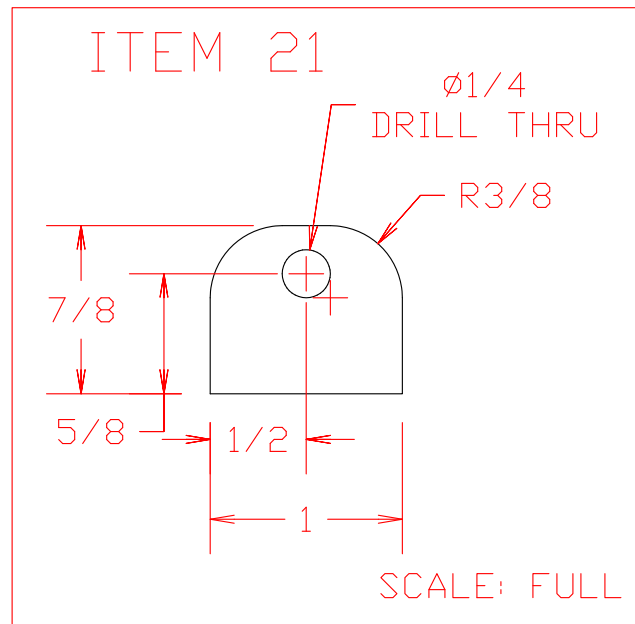
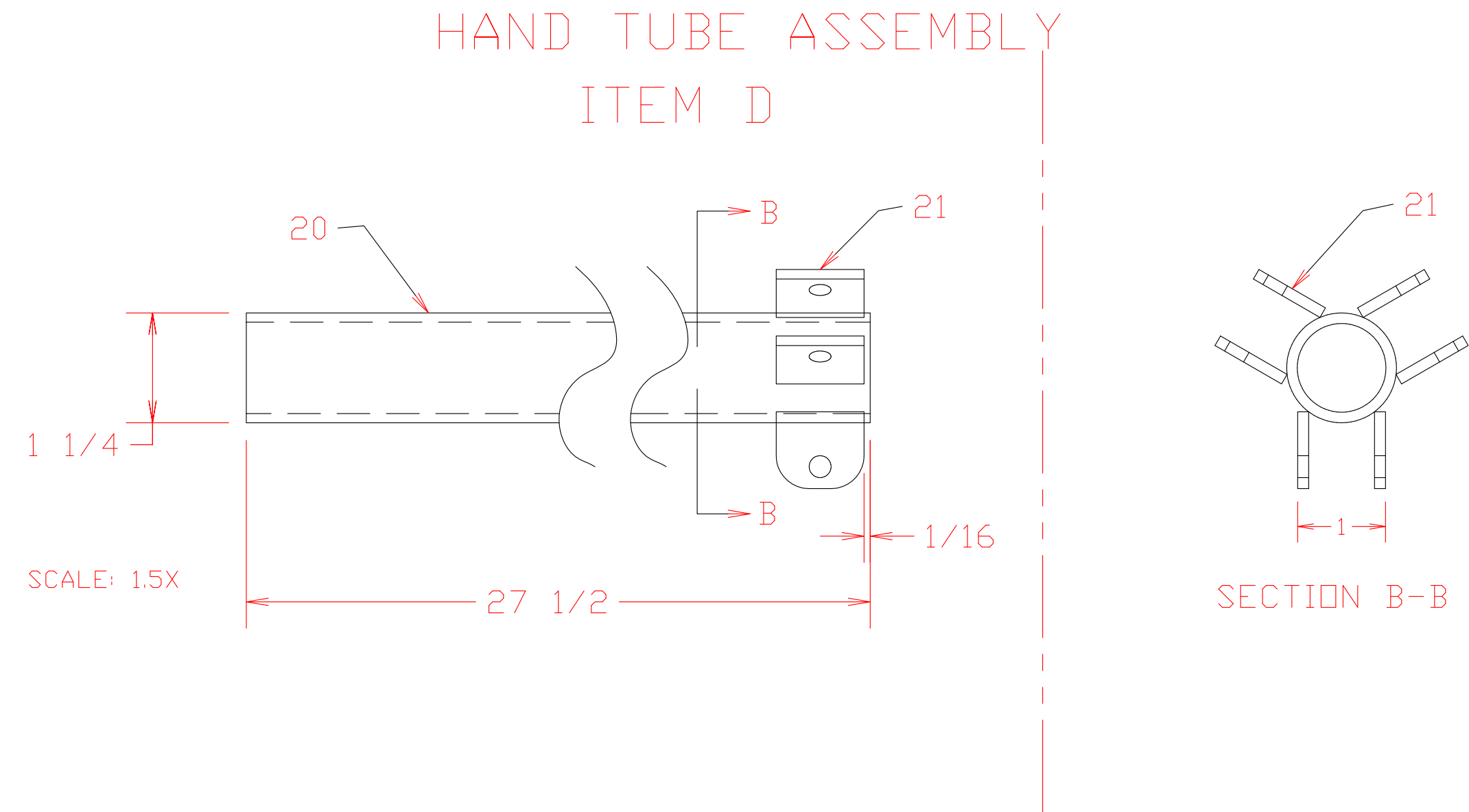
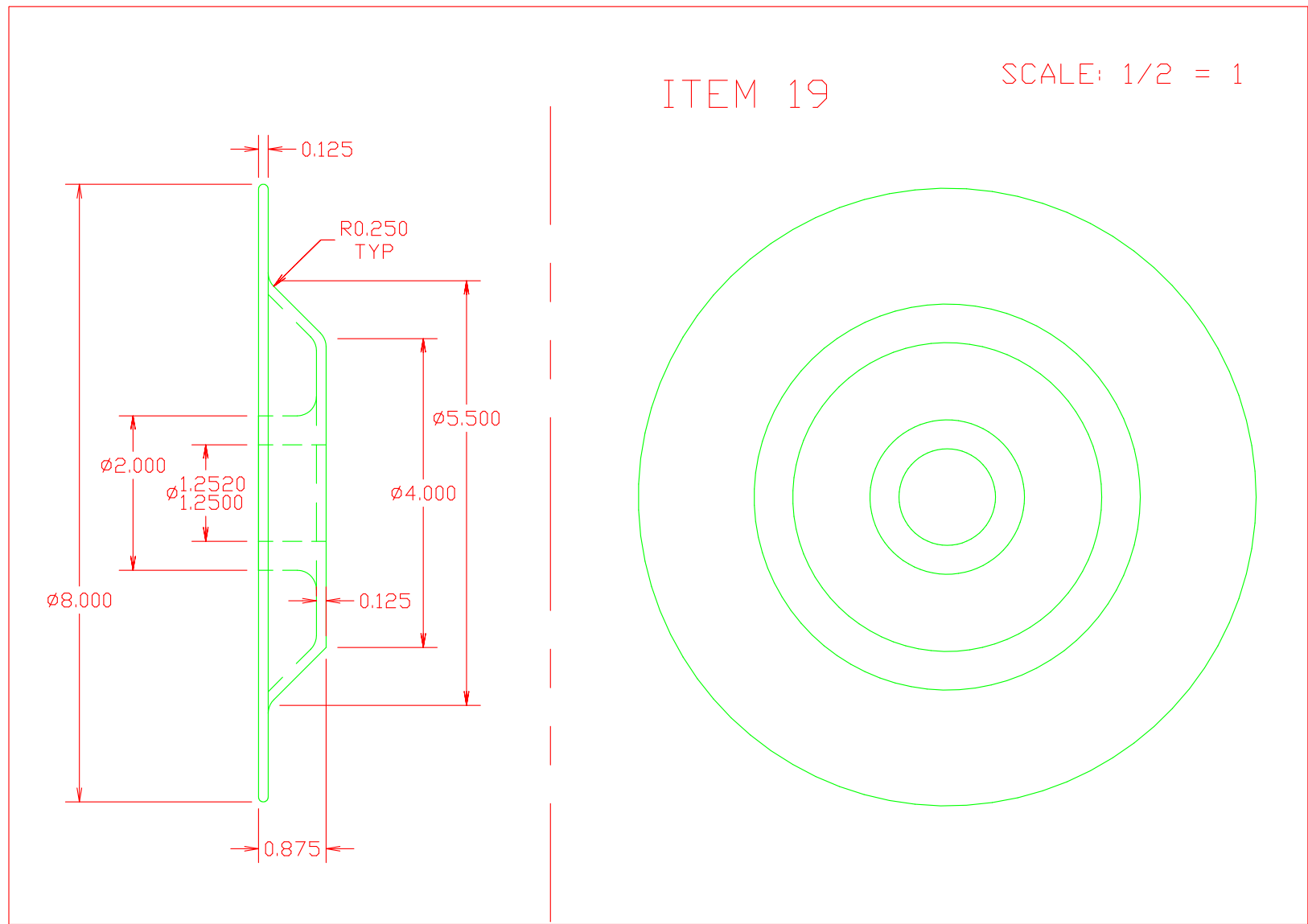
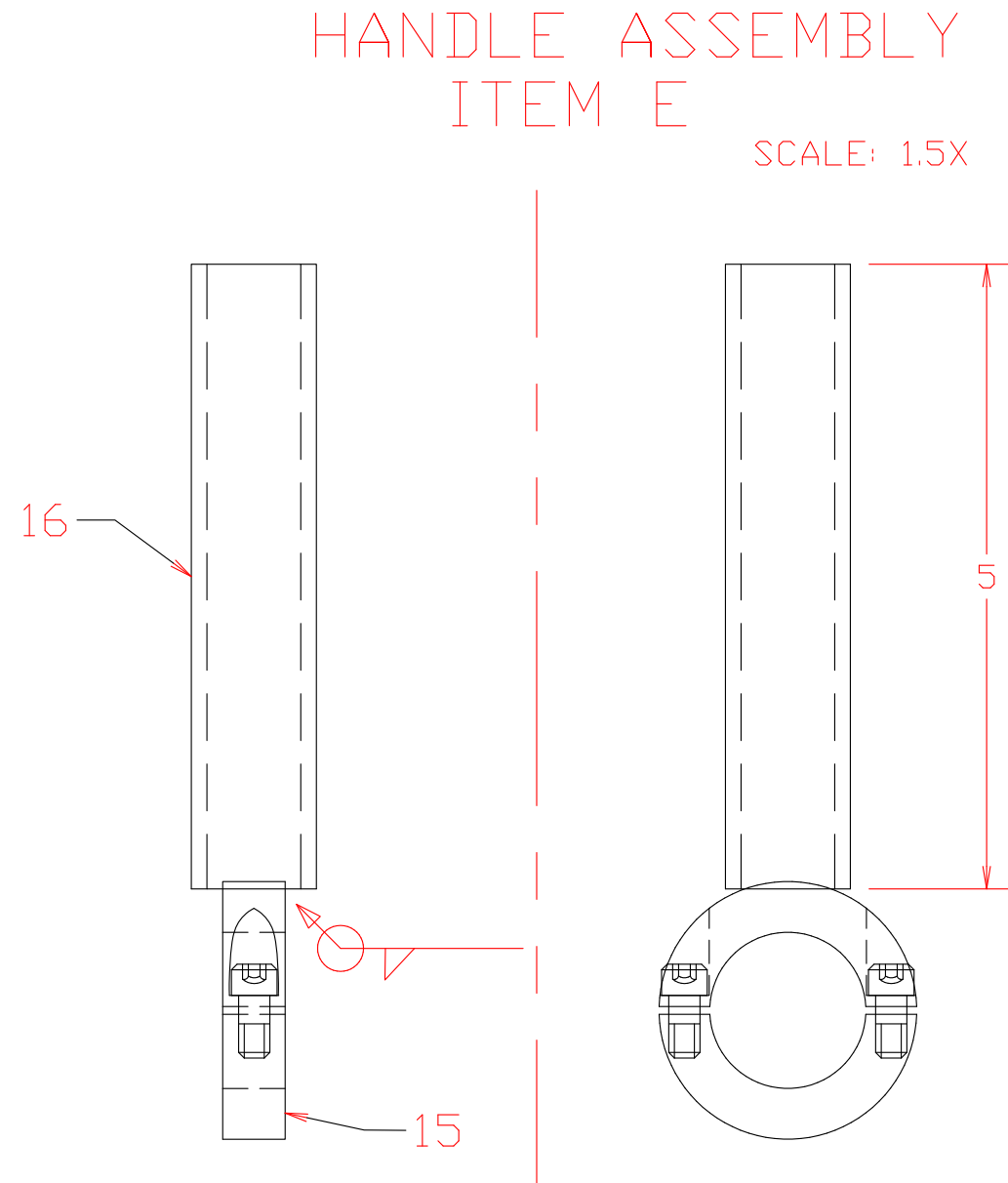
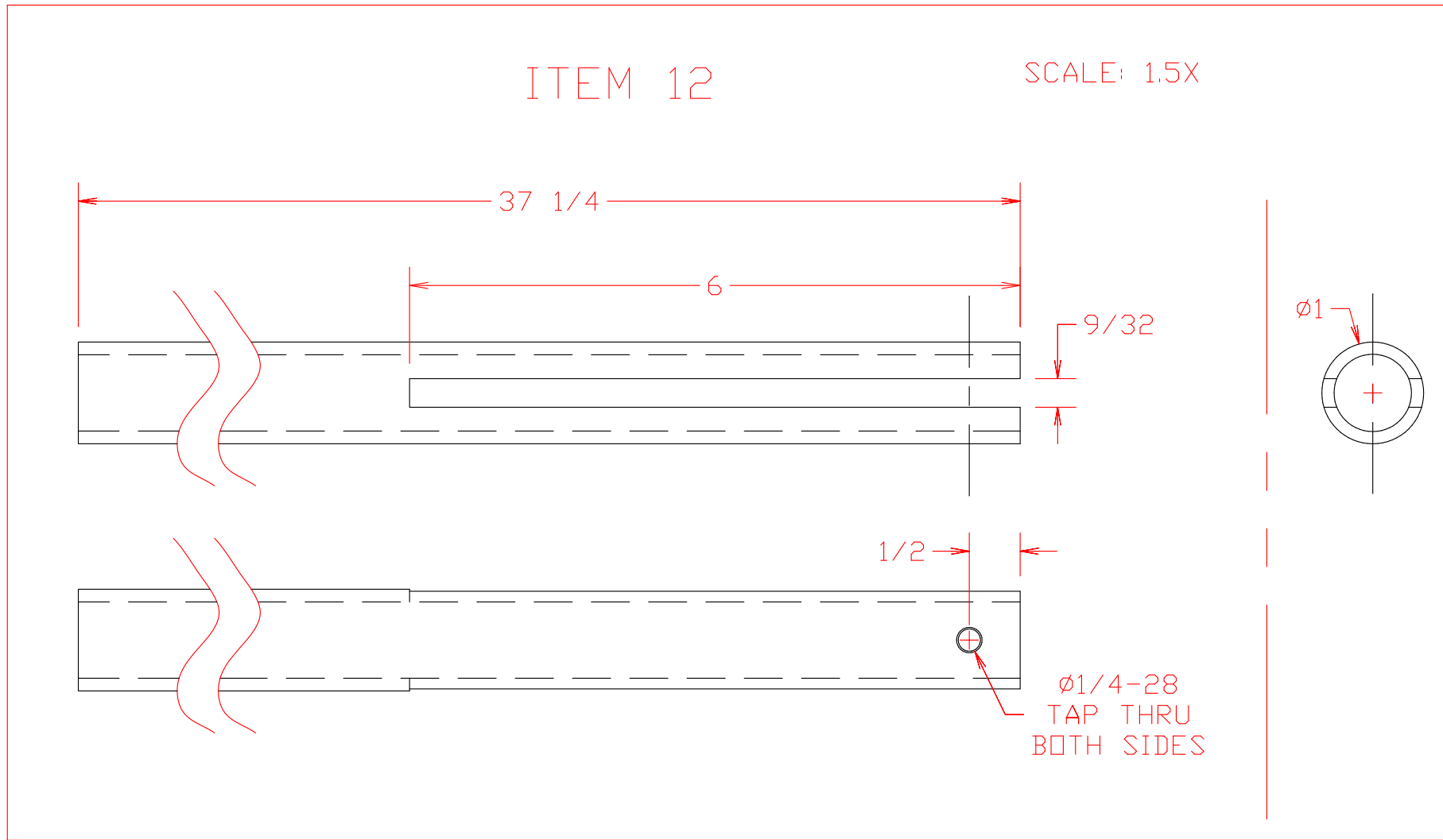
SCALE: FULL



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PAGE 5 KNIFE HOLDER ASSEMBLY, ITEM I
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PAGE 7 BOM

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THIRD ANGLE PROJECTION 			1 MODIFIED BLADE HOLDER		RMS	08-11-03	
			ITEM NO.	REVISION	BY	DATE	
TOLERANCE UNLESS OTHERWISE SPECIFIED							
FRACTION	DECIMAL	ANGLE	SURF. FIN.				
$\pm 1/64$	.001 ± 0.010 .002 ± 0.005	$\pm 2^\circ$ $\pm 0.5^\circ$		SCALE AS SHOWN			TIME DOUBLE RING SPLITTER TOOL FOR F-2000 ROLLS
CONC. T.I.R.	BREAK ALL SHARP CORNERS AND REMOVE BURRS .02 X .45	REQ'D	MATERIAL	CHECKED BY			
.002		--	--	DRAWN BY	RMS	ASSY FORMMECH	
				DATE	05-17-02	DWG. NO. D202-660	



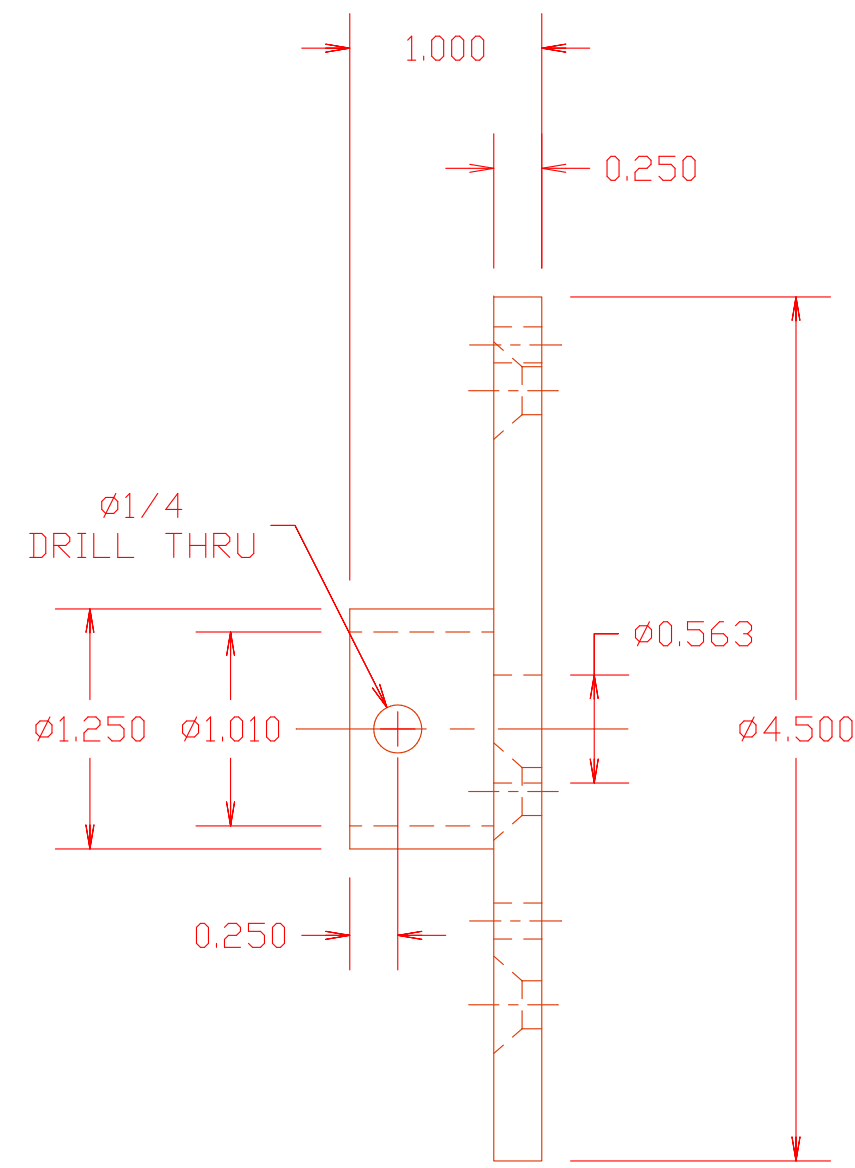
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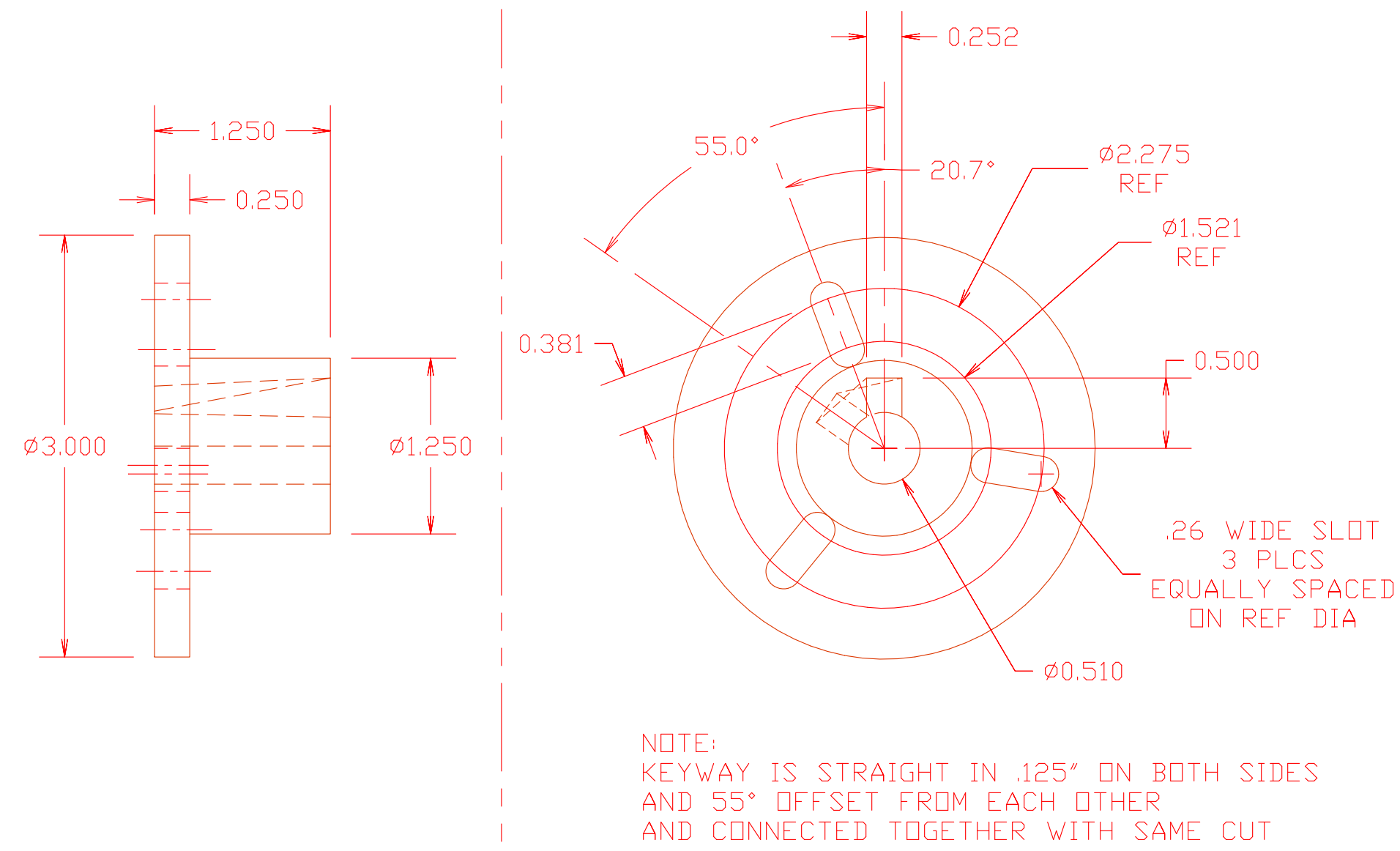
PAGE 4 OF 7

THIRD ANGLE PROJECTION	1	MODIFIED BLADE HOLDER	RMS	08-11-03
	ITEM NO.	REVISION	BY	DATE
TOLERANCE UNLESS OTHERWISE SPECIFIED				
FRACTION	DECIMAL	ANGLE	SURF. FIN.	
$\pm 1/64$	.0015/-0.0010 .0015/-0.0010	$\pm 2^\circ$ $\pm 0^\circ$	$\nabla 125$ $\nabla 45$ $\nabla 32$	
CONC. T.I.R.	BREAK ALL SHARP CORNERS AND REMOVE BURRS .02 X 45	REQ'D	MATERIAL	
.002		--	--	
SCALE	AS SHOWN	DOUBLE RING SPLITTER TOOL FOR F-2000 ROLLS		
CHECKED BY				
DRAWN BY	RMS	ASSY	FORMMECH	
DATE	05-17-02	DWG. NO.	D202-660	

SCALE: FULL



SCALE: FULL



Technical drawing showing a shaft and nut assembly. The shaft is labeled with a diameter of $\varnothing .005$ and a length of 0.750. The nut is labeled with a diameter of 1/4-28 THRU and a length of 0.875. The nut is also labeled "EXISTING 1/4-28 THRU". The shaft is labeled "SCALE: 2X".

KNIFE HOLDER
ASSEMBLY
ITEM I

38

41

40

39

37

42

Technical drawing of a knife holder assembly, showing front, side, and end views with dimensions and features.

Front View (Top):

- Overall width: 2.175
- Top thickness: 0.250
- Bottom thickness: 0.125

Front View (Bottom):

- Top width: 1.743
- Top width (inner): 1.637
- Top angle: 53.1°
- Top chamfer: .25 X 45° CHAMFER
- Top hole: Ø.125 BORE THRU
- Top hole offset: 0.505
- Top hole offset (inner): 0.238
- Top hole offset (bottom): 0.875
- Top hole offset (bottom): 0.359
- Top hole offset (bottom): 0.169
- Top hole offset (bottom): 0.375
- Top hole offset (bottom): 0.094
- Top hole offset (bottom): 0.333
- Top hole offset (bottom): 0.489
- Top hole offset (bottom): 0.313
- Top hole offset (bottom): 1.051
- Top hole offset (bottom): 1.534
- Top hole offset (bottom): 1.801
- Top hole offset (bottom): 0.188
- Top hole offset (bottom): 0.625
- Top hole offset (bottom): 0.313
- Top hole offset (bottom): 53.4°
- Top hole offset (bottom): #6-32 TAP 1/4 DEEP (TYP 2 PLCS)
- Top hole offset (bottom): #5-40 TAP THRU

Side View (Right):

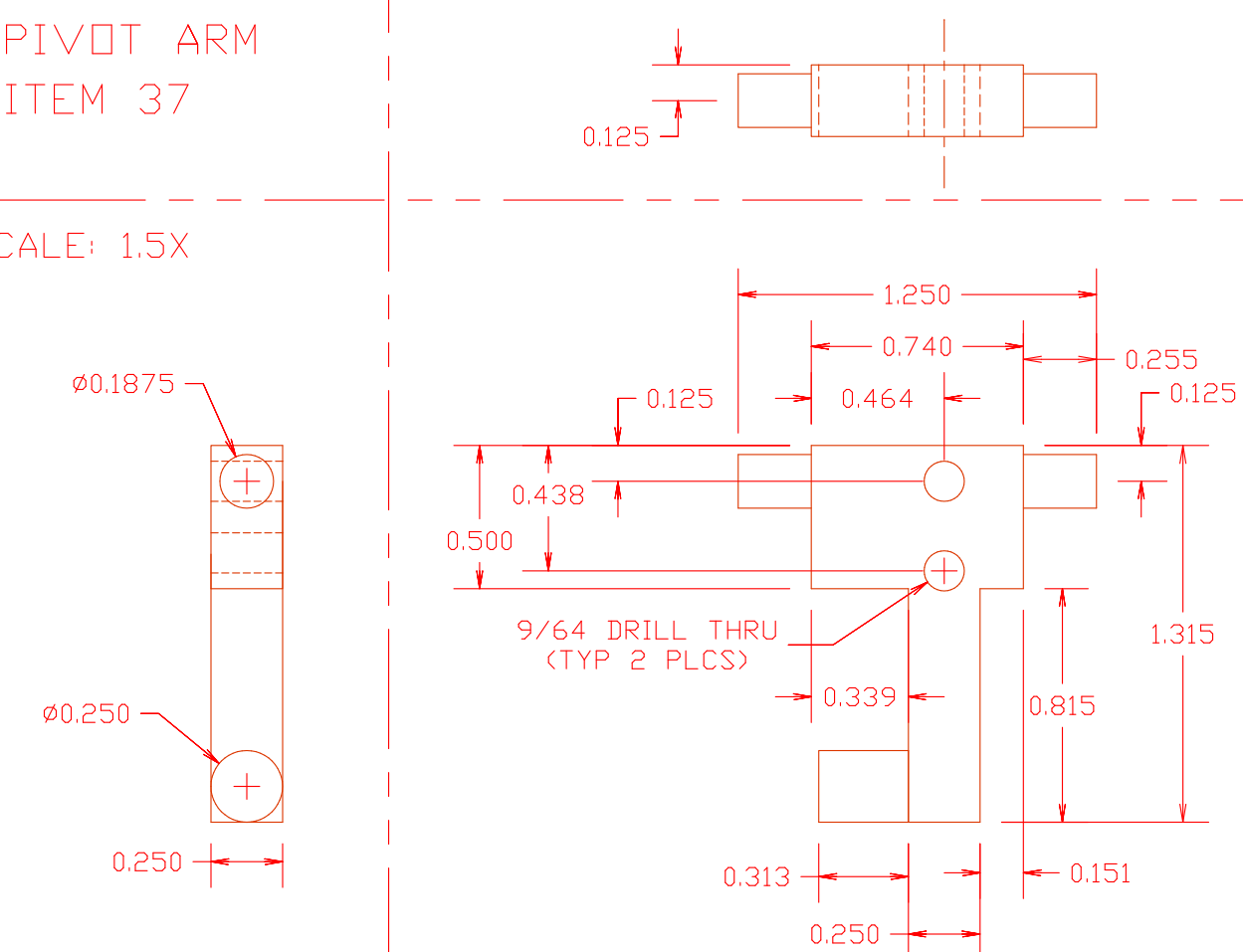
- Overall width: 0.250
- Overall height: 1.072

End View (Bottom):

- Overall width: 1.801
- Overall height: 1.534
- Overall height (inner): 1.051
- Overall height (inner): 0.313
- Overall height (inner): 0.489
- Overall height (inner): 0.333
- Overall height (inner): 0.094
- Overall height (inner): 0.375
- Overall height (inner): 0.169
- Overall height (inner): 0.359
- Overall height (inner): 0.875
- Overall height (inner): 0.238
- Overall height (inner): 0.505
- Overall height (inner): .25 X 45° CHAMFER
- Overall height (inner): Ø.125 BORE THRU
- Overall height (inner): 53.1°
- Overall height (inner): 1.637
- Overall height (inner): 1.743
- Overall height (inner): 53.4°
- Overall height (inner): #6-32 TAP 1/4 DEEP (TYP 2 PLCS)
- Overall height (inner): #5-40 TAP THRU

SCALE: 1.5 X

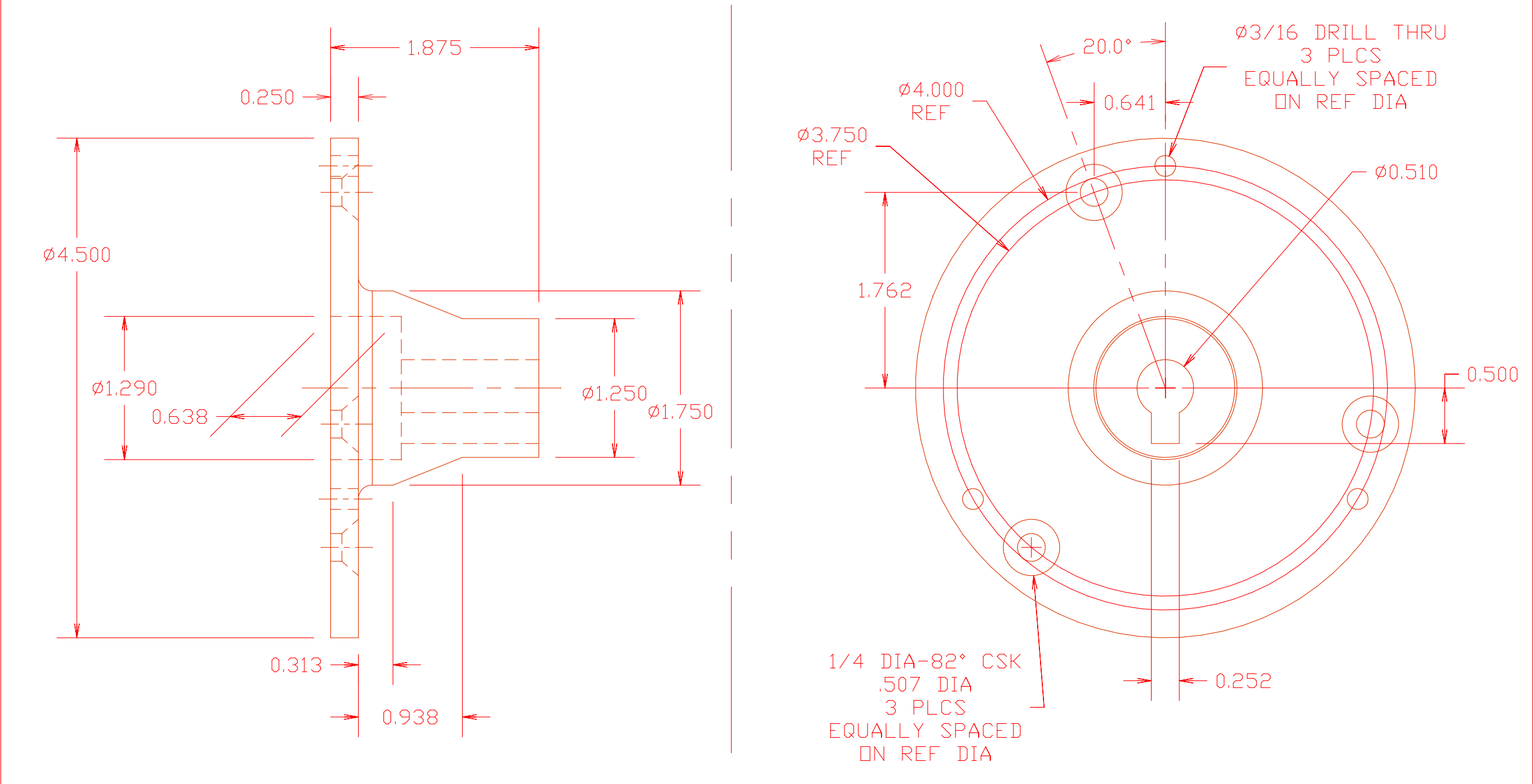
SCALE: 1.5X



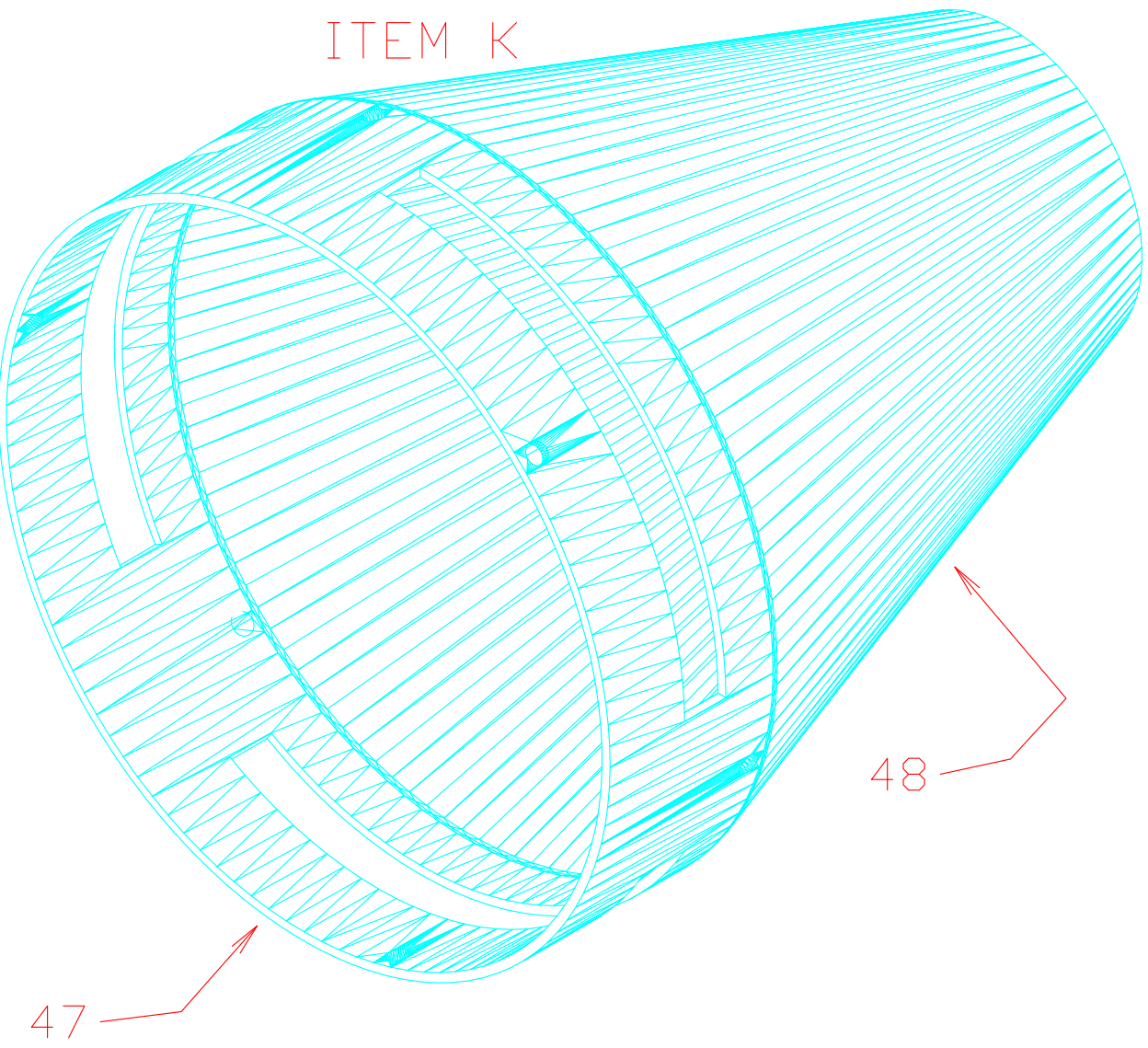
				2		MODIFIED BLADE HOLDER		RMS	08-11-03
				ITEM NO.		REVISION		BY	DATE
TOLERANCE UNLESS OTHERWISE SPECIFIED									
FRACTION	DECIMAL	ANGLE	SURF. FIN.						
+/- 1/64	.XX +/--.010 .XXX/--.005	X° ± 2' 0" X° X' ± 0' 0"	 ▽-125 ▽-63 ▽-32						
CONC. T.I.R. .002	BREAK ALL SHARP CORNERS AND REMOVE BURRS .02 X .45	REQ'D --	MATERIAL --						
				SCALE	AS SHOWN	TITLE	DOUBLE RING SPLITTER TOOL FOR F-2000 ROLLS		
				CHECKED BY					
				DRAWN BY	RMS	ASSY	FORMMECH		
				DATE	05-17-02	DWG. NO.	D202-660		

ITEM 44

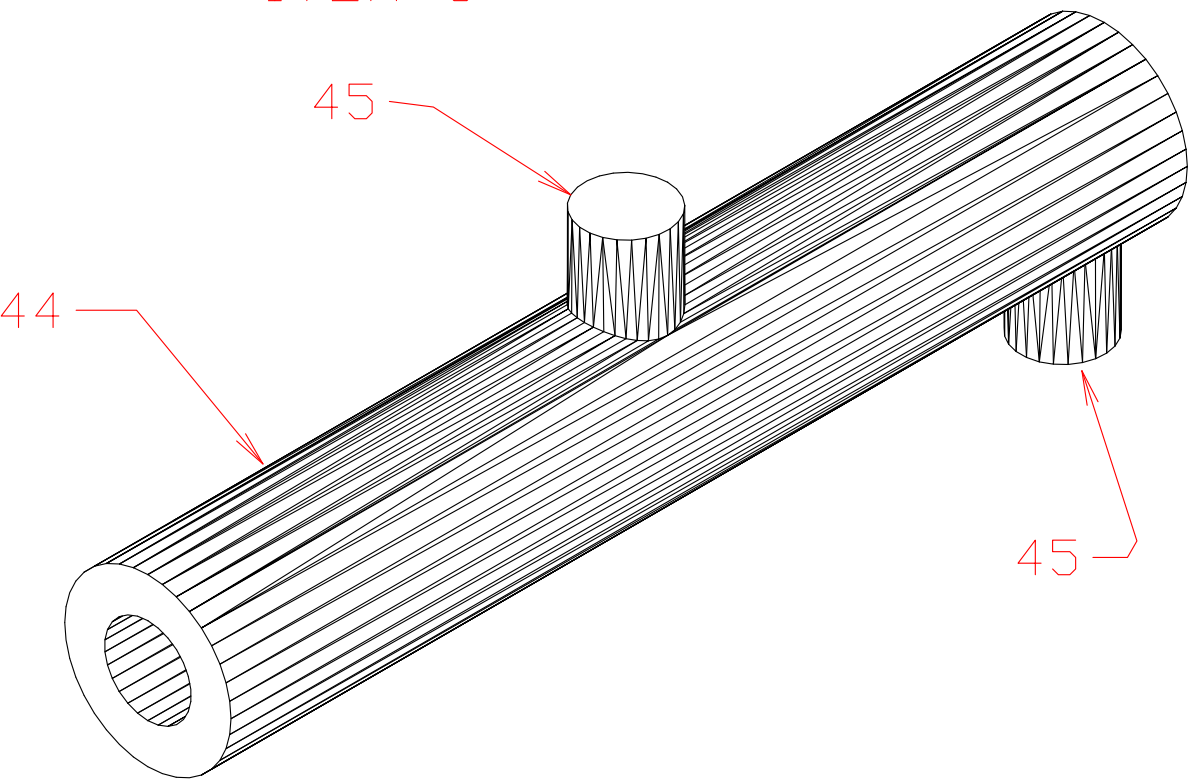
SCALE: FULL



CONE GUARD
ASSEMBLY
ITEM K

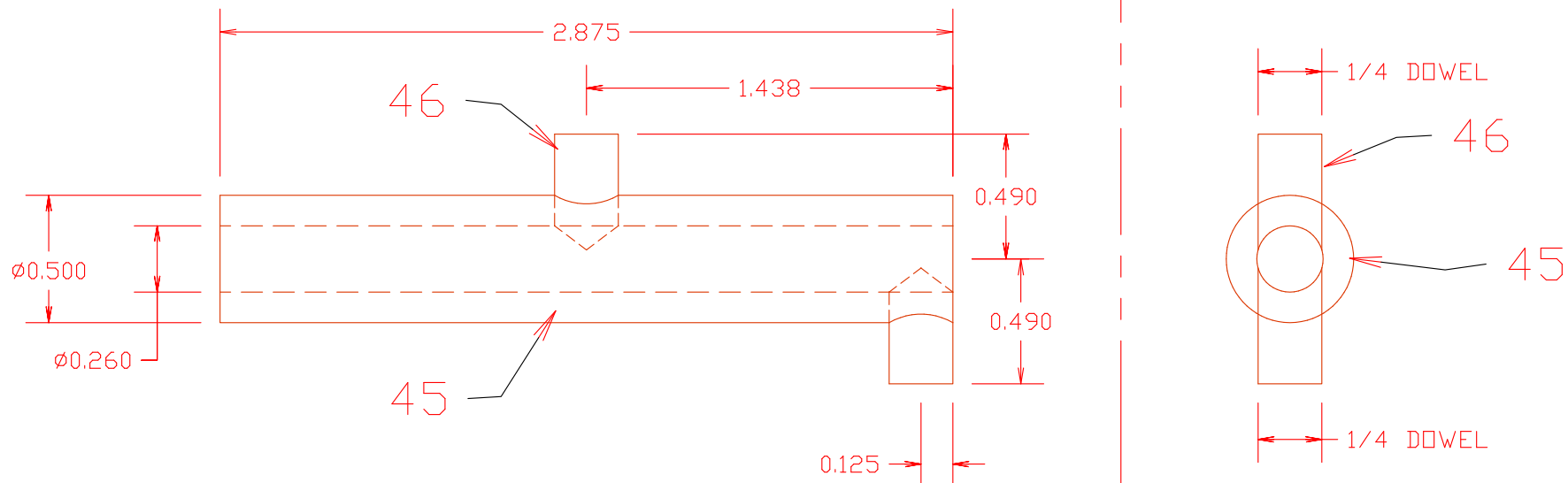


TURN CAM ASSEMBLY
ITEM J



TURN CAM ASSEMBLY
ITEM H

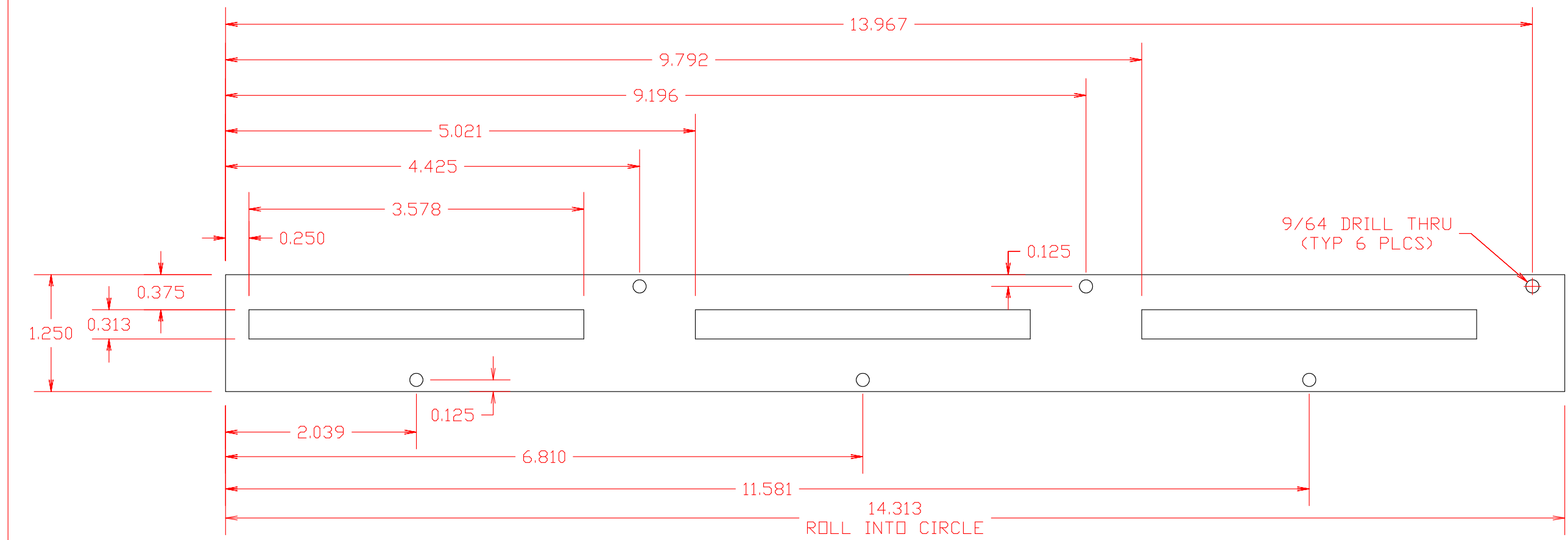
SCALE: 1 = 1.5



- NOTE:
1. BORE .250 FOR PINS & PRESS FIT DOWELS
2. AFTER INSERTING DOWELS, DRILL THRU WITH "G" SIZE BIT
3. INSTALL ONE THRUST WASHER (ITEM 35) BETWEEN PINS

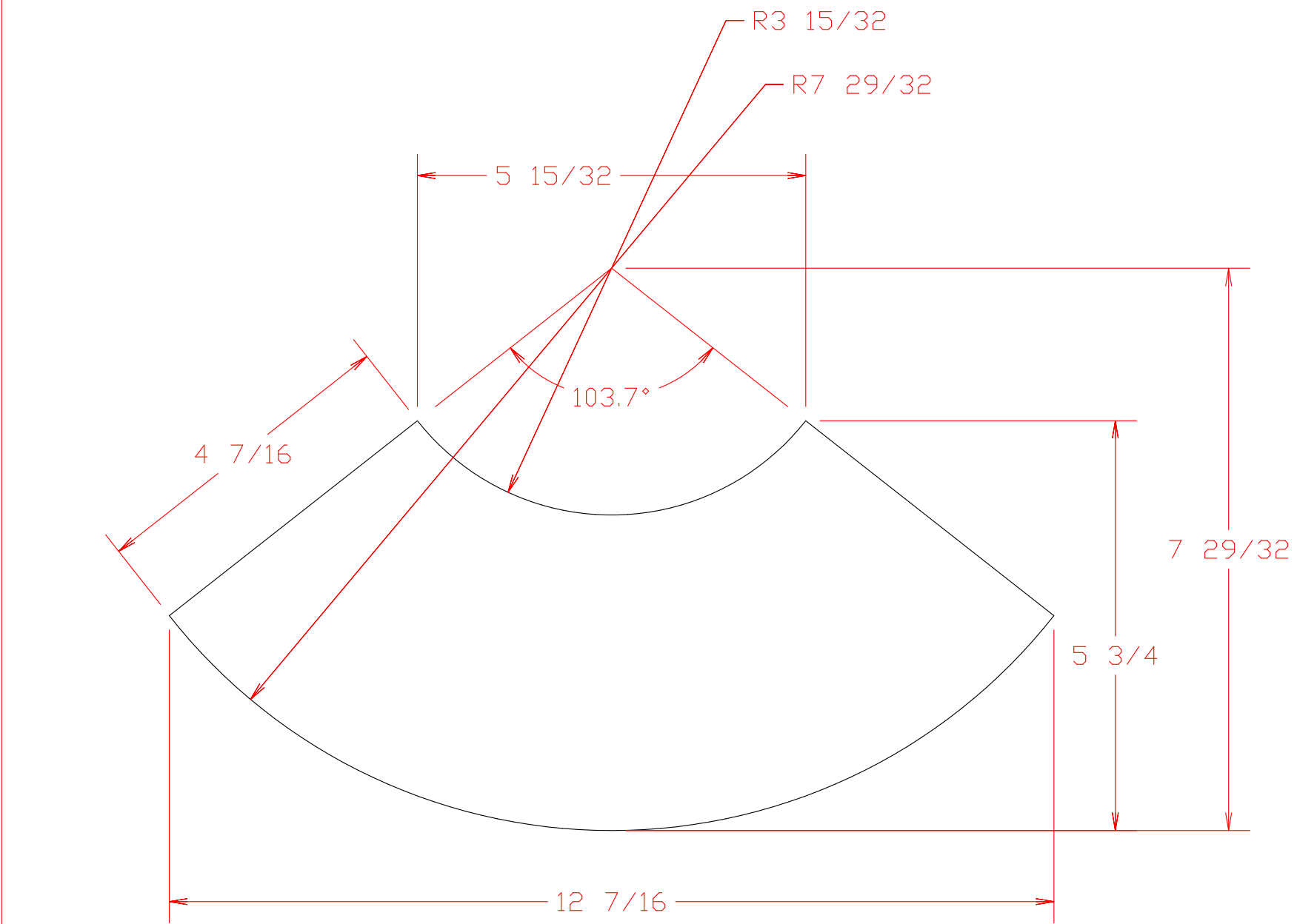
BEFORE BEND LAYOUT
ITEM 47

SCALE: 1 = 1.25



BEFORE BEND LAYOUT
ROLL INTO CONE
ITEM 48

SCALE: 1/2 = 1



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				1	MODIFIED BLADE HOLDER		RMS	08-11-03
				ITEM NO.	REVISION		BY	DATE
TOLERANCE UNLESS OTHERWISE SPECIFIED								
FRACTION	DECIMAL	ANGLE	SURF. FIN.					
+/- 1/64	.XX +/- 0.010 .XXX +/- .005	X' ± 2 ° X' X' ± 0 °	▽ -125 ▽ -45 ▽ -32					
CNC. T.I.R.	BREAK ALL SHARP CORNERS AND REMOVE BURRS .02 X 45	REQ'D	MATERIAL					
.002	--	--	--					
				SCALE	AS SHOWN	TIME DOUBLE RING SPLITTER TOOL FOR F-2000 ROLLS		
				CHECKED BY				
				DRAWN BY	RMS		ASSY	FORMMECH
				DATE	05-17-02	DWG. NO.	D202-660	

BILL OF MATERIALS

ITEM	REQ'D	DESCRIPTION	MAT'L
A	1	ACTIVATOR ROD ASSEMBLY	--
B	1	CRANK ARM PIVDT ASSEMBLY	--
C	1	CRANK ARM ASSEMBLY	--
D	1	HAND TUBE ASSEMBLY	--
E	1	HANDLE ASSEMBLY	--
F	3	LIFTARM ASSEMBLY	--
G	1	CAM RETAINER ASSEMBLY	--
H	1	CAM WHEEL ASSEMBLY	--
I	3	KNIFE HOLDER ASSEMBLY	--
J	1	TURN CAM ASSEMBLY	--
K	1	CONE GUARD ASSEMBLY	--
1	2	1/8 X 1/2 FLAT 1 1/16 LONG	HRS
2	1	1/4 RND 43 LONG	CRS
3	1	1/4 PIN 3/4 L McMASTER #92735A220	PUR
4	1	1/4 PIN 1 L McMASTER #92735A230	PUR
5	1	QUICK PIN McMASTER #90222A112	PUR
6	1	1/8 X 3/4 FLAT 3 13/16 L	HRS
7	2	1/8 SHEET 3 7/32 X 4 3/32	HRS
8	1	1/4 PLATE 3.40 X 3.40	HRS
9	1	3/8 RND 8 13/32 LONG	HRS
10	1	HANDLE McMASTER #6308K45	PUR
11	1	3/8-16 HEX NUT	PUR
12	1	1 OD TUBE 1/8 WALL 37 1/4 LONG	STL
13	2	1 SPLIT COLLAR AL McMASTER #6157K18	PUR
14	2	1 1/8 THRUST WASHER McMASTER #5906K523	PUR
15	1	1 1/4 2 PEICE AL COLLAR McMASTER #6436K74	PUR
16	1	1 TUBE 1/8 WALL 5 LONG 6061-T6	AL
17	1	PLASTIC GRIP McMASTER #97045K55	PUR
18	2	1 1/4 SPLIT COLLAR AL McMASTER #6436K74	PUR
19	1	8 RND X 7/8 LONG 6061-T6	AL
20	1	1 1/4 RND TUBE 12 OR 11G 27 1/2 L 6061-T6	AL
21	6	1/8 X 1 FLAT 7/8 LONG 6061-T6	AL
22	3	1/4 PIN 1 1/4 L McMASTER #92735A240	PUR

ITEM	REQ'D	DESCRIPTION	MAT'L
23	3	1/2 RND 6 3/4 LONG 1100 F	AL
24	3	1/2 RND TUBE 1/8 WALL 3/4 LONG 6061-T6	AL
25	3	SPRING CONNECTOR McMASTER #9634K11	PUR
26	3	SPRING 9/64X2 1/2 X.016 McMASTER #9654K13	PUR
27	3	1/4 SPLIT COLLAR McMASTER #6435K12	PUR
28	2	1/4 X 5/8 FLAT 1 3/4 LONG	HRS
29	2	BRG KILLIAN #F-1000-4	PUR
30	1	3 3/4 RND 1 1/16 LONG 6061-T6	AL
31	2	SPRING McMASTER #9657K119	PUR
32	6	1/4-28 SHFHCS 1/2 LONG	PUR
33	1	4 1/2 RND X 1 LONG 6061-T6	AL
34	2	1/4-28 HHCS 1/4 LONG	PUR
35	3	1/4-28 NUT COUPLER (SEE DETAIL PG 5)	PUR
36	2	1/2 X 1/16 THRST WSHR McMASTER #5906K513	PUR
37	1	3 RND 1 1/4 LONG 6061-T6	AL
38	3	1/4 X 1 1/4 FLAT 1.315 LONG	HRS
39	3	1/4 X 1.072 X 2.175	HRS
40	3	BLADE McMASTER #38755A17	PUR
41	6	#5-40 TRUSS HD 1/4 LONG	PUR
42	6	1/8 DOWEL PIN 1/4 L McMASTER #98381A469	PUR
43	6	#6-32 PHCS 1/2 LONG	PUR
44	1	4 1/2 RND 1 7/8 LONG 6061-T6	AL
45	1	1/2 RND TUBE 11G 2 7/8 LONG	STL
46	2	1/4 DOWEL PIN 1/2 L McMASTER #98381A537	PUR
47	6	#6-32 TRUSS HEAD CS 1/2 LONG	PUR
48	1	16G SHEET 1 1/4 X 14 5/16	STL
49	1	16G SHEET 12 7/16 X 5 3/4	STL

* SUPPLIED BY OWNER

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				THIRD ANGLE PROJECTION		1		MODIFIED BLADE HOLDER		RMS		08-11-03			
						ITEM NO.		REVISION				BY		DATE	
TOLERANCE UNLESS OTHERWISE SPECIFIED															
FRACTION		DECIMAL		ANGLE		SURF. FIN.		SCALE N/A CHECKED BY DRAWN BY RMS DATE 05-17-02							
± 1/64		.001 ± 0.001		X ± 2 0' X' X' ± 0 5'		▽ ±125 ▽ ±63 ▽ ±32									
CONC. T.I.R.		BREAK ALL SHARP CORNERS AND REMOVE BURRS .02 X .45		REQ'D		MATERIAL		DOUBLE RING SPLITTER TOOL FOR F-2000 ROLLS FORMMECH D202-660							
.002				--		--									