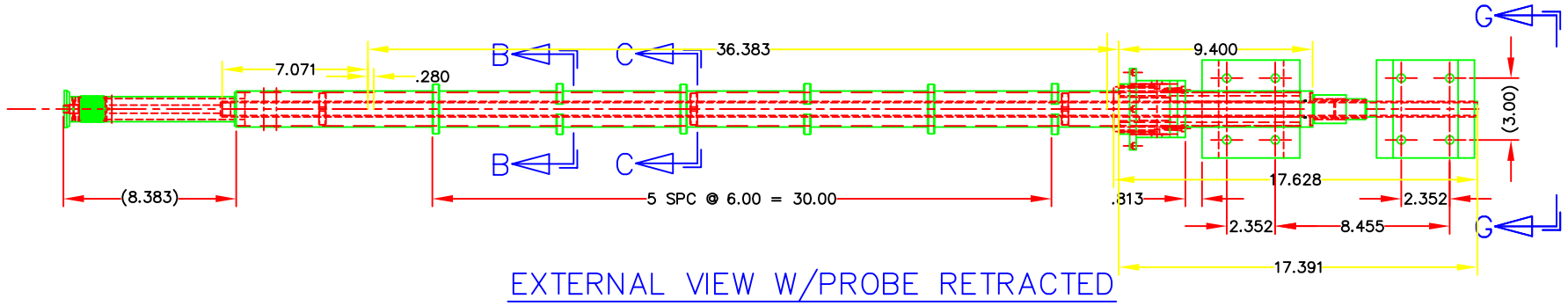
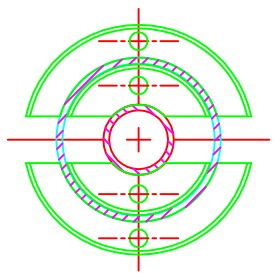
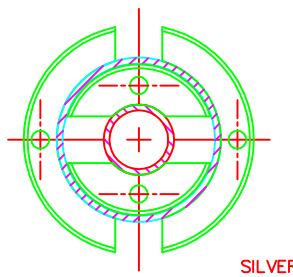
REV.	DESCRIPTION	DRAWN	DATE
		APPD.	DATE
	E.R. #7391		



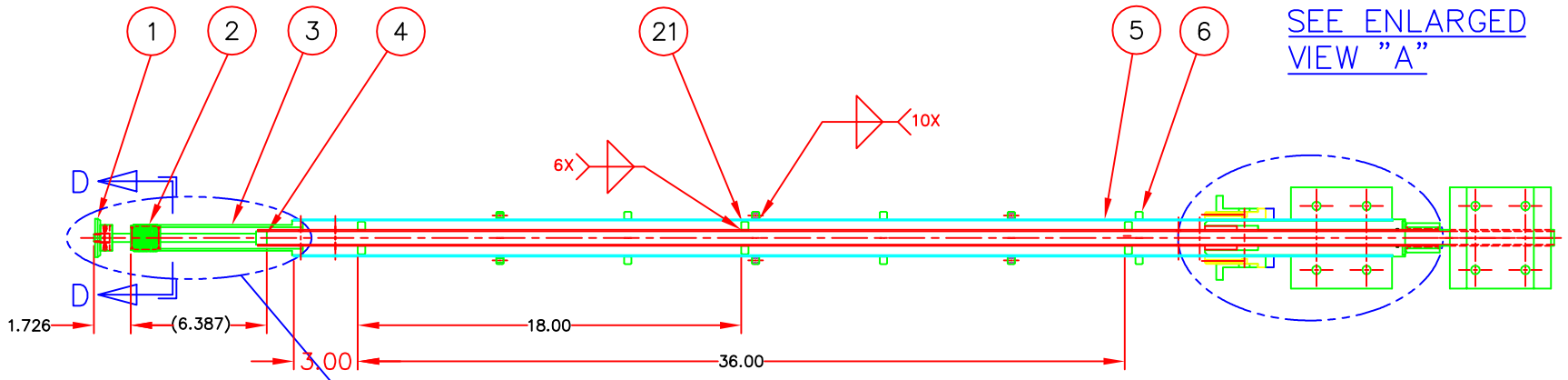
EXTERNAL VIEW W/PROBE RETRACTED



SECTION "B–B"
SCALE: FULL



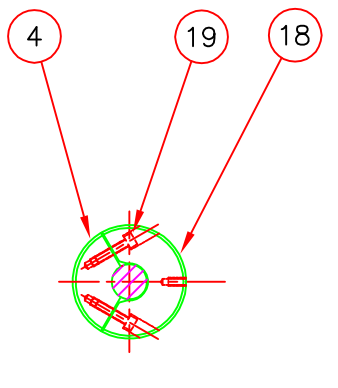
SECTION "C–C"
SCALE: FULL



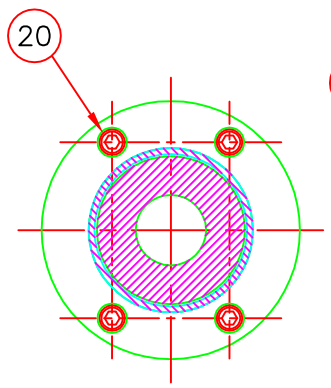
SEE ENLARGED VIEW "A"

SEE ENLARGED VIEW "F"

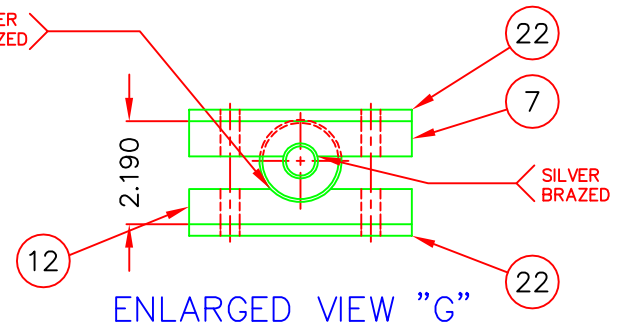
INTERNAL VIEW W/PROBE EXTENDED



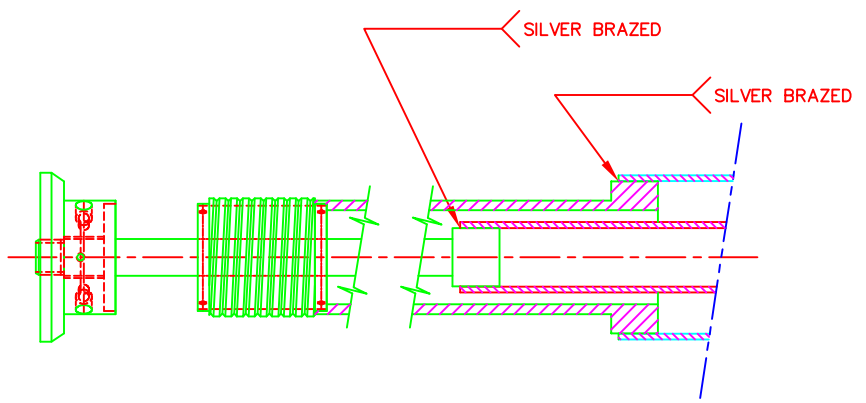
SECTION "D–D"
SCALE: FULL



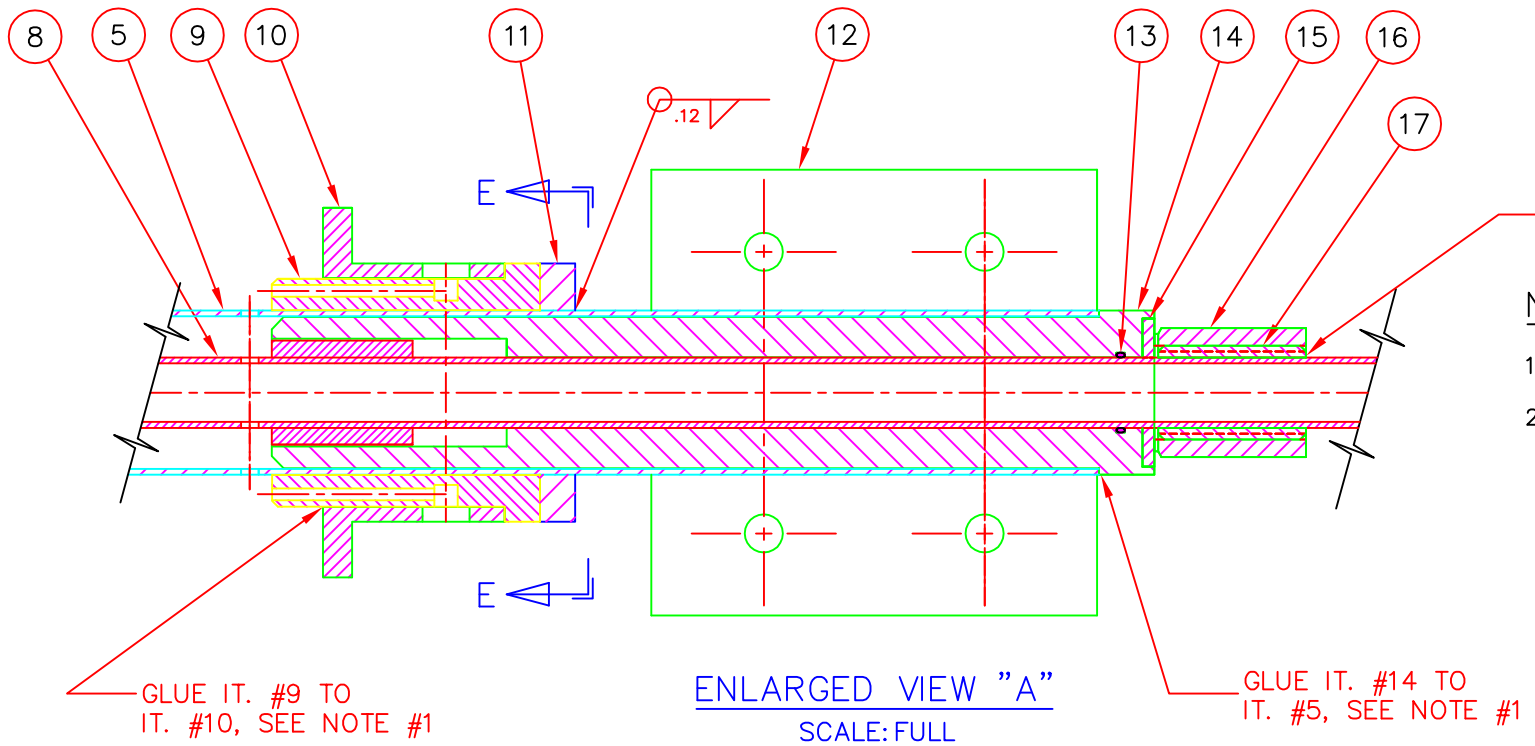
SECTION "E–E"
SCALE: FULL



ENLARGED VIEW "G"
ROTATED 90° CLOCKWISE
SCALE: HALF



ENLARGED VIEW "F"
SCALE: FULL



ENLARGED VIEW "A"
SCALE: FULL

NOTES:

1. USE GLUE & STYCAST 2850 FT (om) AS INDICATED IN NOTE #2.

2. ASSEMBLY PROCEDURE:
   A) GLUE IT. #21 ON IT. #8, B)SOLDER IT. #11 ON IT. #5, C) BRAZE IT. #3 ON IT. #5, D) INSERT IT. #8 IN IT. #5, E) BRAZE IT. #4 INTO IT. #8, F) BRAZE IT. #12 ON IT. #5, G) INSERT IT. #13 IN IT. #14, H) GLUE IT. #14 ON IT. #5, I) INSTALL IT. #15 IN IT. #14, J) BRAZE IT. #17 ON IT. #8, K) THREAD ON IT. #16, L) BRAZE IT. #7 ON IT. #8, M) INSERT IT. #9 IN IT. #5, N) FASTEN IT. #9 TO IT. #11 W/(4) SCREWS IT. #20, O) GLUE AND POSITION IT. #10 ON IT. #9, P) PLACE IT. #2 ON IT. #3, Q) GLUE IT. #6 ON IT. #5, R) FASTEN IT. #18 TO IT. #4 W/(2) SCREWS IT. #19, S) THREAD ON IT. #1 TO IT. #4, T) THEN RETRACT THE PROBE, U) ADD (1) EA. IT. #22 TO FLAGS IT. #7 & IT. #12 WITH EXISTING SCREWS.

ITEM	PART NO.	DESCRIPTION OR SIZE	QTY.
22	MB–411428	FLAG MOUNTING SPACER	2
21	MB–411421	SPLIT COLLAR (INTERNAL)	6
20	MA–411420	SCREW, S.H.C.S. #8–32 x 5/8" LG.	4
19	MA–411419	SCREW, S.H.C.S. #2–56 x 3/8" LG.	2
18	MB–411418	RING, PARTIAL MATING	1
17	MB–411417	MALE THREADED SLEEVE	1
16	MB–411416	THREADED BLOCK	1
15	MB–411415	TEFLON RING	1
14	MB–411414	INSULATING COLLET	1
13	MA–411413	"O"–RING ø.739 x .07 WIDE	1
12	MB–411412	FLAG #1	1
11	MB–411411	BRASS SPACER	1
10	MB–411410	COLLET FLANGE	1
9	MB–411409	INSULATING COLLET	1
8	MB–411408	INNER TUBE	1
7	MB–411407	FLAG #2	1
6	MB–411406	SPLIT COLLAR (EXTERNAL)	10
5	MB–411405	OUTER TUBE	1
4	MB–411404	COPPER SHAFT	1
3	MB–411403	HOUSING	1
2	MB–411402	MODIFIED BARREL	1
1	MB–411401	END PLATE	1

PARTS LIST

UNLESS OTHERWISE SPECIFIED			ORIGINATOR	E.BARZI	
XX	XXX	ANGLES	DRAWN	P.BELKO	10/4/02
±.01	±.005		CHECKED		
1. BREAK ALL SHARP EDGES 0.3MM MAX. 2. DO NOT SCALE DRAWING 3. MAX. ALL MACH. SURFACES			APPROVED		
			USED ON:		
			MATERIAL:	SHOWN ABOVE	

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

STRAND AND CABLE HIGH CURRENT PROBE ASSEMBLY #1

SCALE	SOFTWARE	DRAWING NUMBER	REV.
1/4	AUTOCAD 2000i	5520–MD–411400	

FILE: pbelko