



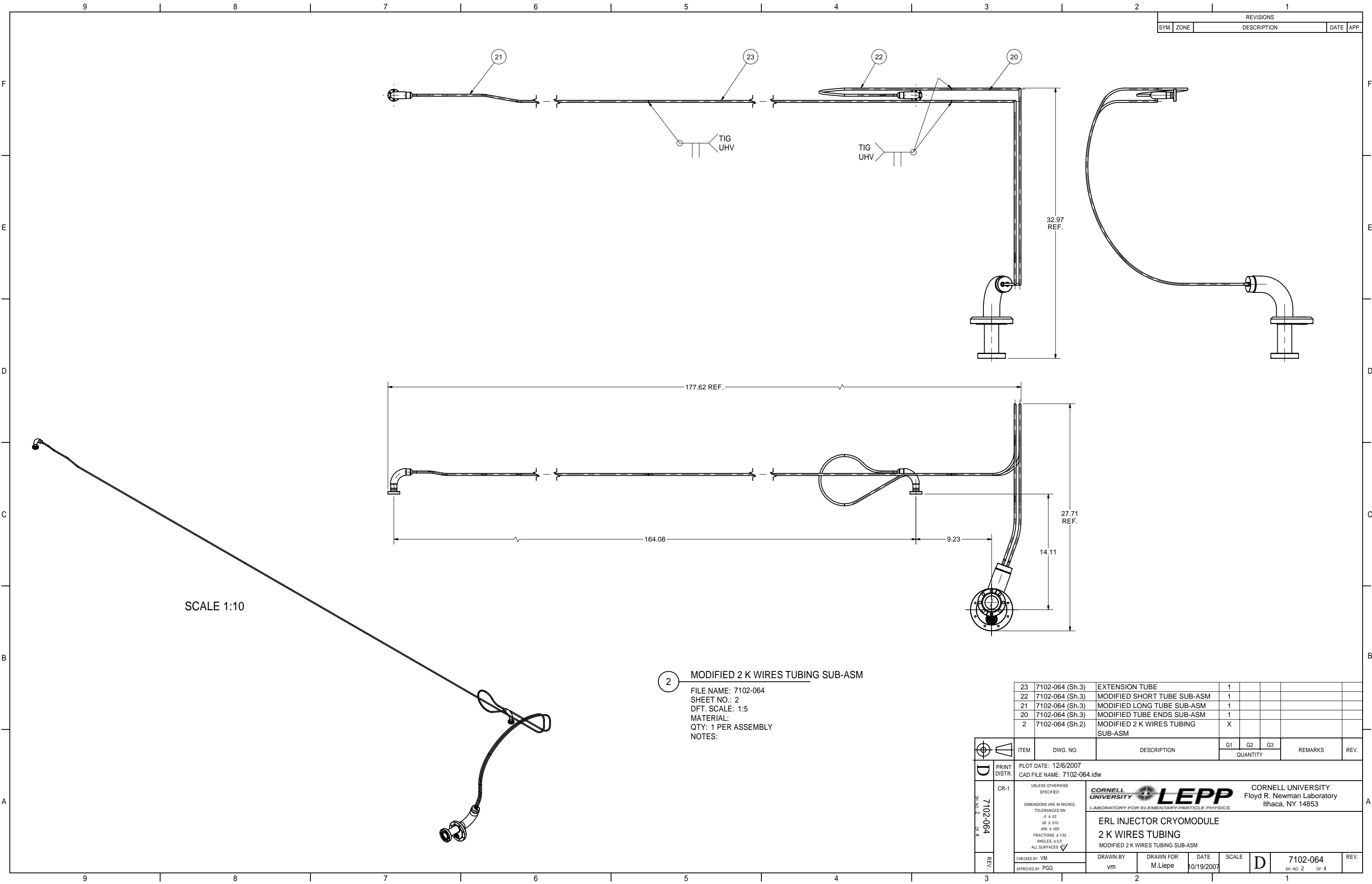


17	Purchased	#2 Spring Washer, 316 SS	2		McMaster-Carr's 92147A410	
16	Purchased	5/16-24 HEX NUT	8		Varian's set, or equiv.	
15	Purchased	#2-56 x 1/4 Socket Head Cap Screw, 316 SS	2		McMaster-Carr's 92185A077	
14	Purchased	#8-32 x 3/4 Socket Head Cap Screw, 316 SS	12		McMaster-Carr's 92185A197	
13	Purchased	5/16-24 x 1-3/4 12-point Bolt	8		Varian's FB-0800-T12	
12	Purchased	1-1/3" CF Gasket	2		Varian's FG-0133-CU	
11	Purchased	3-3/8" CF Gasket	1		Varian's FG-0338-CU, or equiv.	
10	Purchased	41-PIN DOUBLE ENDED FEEDTHROUGH ON 3-3/8" CF FLANGE	1		CeramTech's 18908-01-CF	
8	7102-024 (Sh.1)	M4 WASHER MODIFICATION	12		McMaster-Carr's 90965A150, 316 SS	
7	7102-024 (Sh.1)	#8 BELLEVILLE SPRING WASHER MODIFICATION	12		Solon's 08-L-26-718, Inconel 718	
6	7102-024 (Sh.1)	8-32 NUT PLATE	2			
5	7110-025 (Sh.10)	2 K SENSORS ST. STEEL POST	2			
4	7110-025 (Sh.10)	2 K SENSORS SUB-ASM	2			
3	7110-025 (Sh.6)	1-1/3" CF NIPPLE, 316L ST. STEEL	2			
2	7102-064 (Sh.2)	MODIFIED 2 K WIRES TUBING SUB-ASM	1			
1	7102-064 (Sh.1)	2 K WIRES TUBING ASSEMBLY	X			

		ITEM		DWG. NO.		DESCRIPTION		G1 G2 G3 QUANTITY		REMARKS		REV.	
		PRINT DISTR.		PLOT DATE: 12/6/2007 CAD FILE NAME: 7102-064.idw									
SH. NO. 1 OF 4 7102-064		CR-1 UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES; TOLERANCES ON: .0 ± .02 .00 ± .010 .000 ± .005 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES ✓		 CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853									
				ERL INJECTOR CRYOMODULE 2 K WIRES TUBING 2 K WIRES TUBING ASSEMBLY									
REV.		CHECKED BY: VM APPROVED BY: PGQ		DRAWN BY vm		DATE 10/19/2007		SCALE 		7102-064 SH. NO. 1 OF 4		REV.	




SCALE 1:10

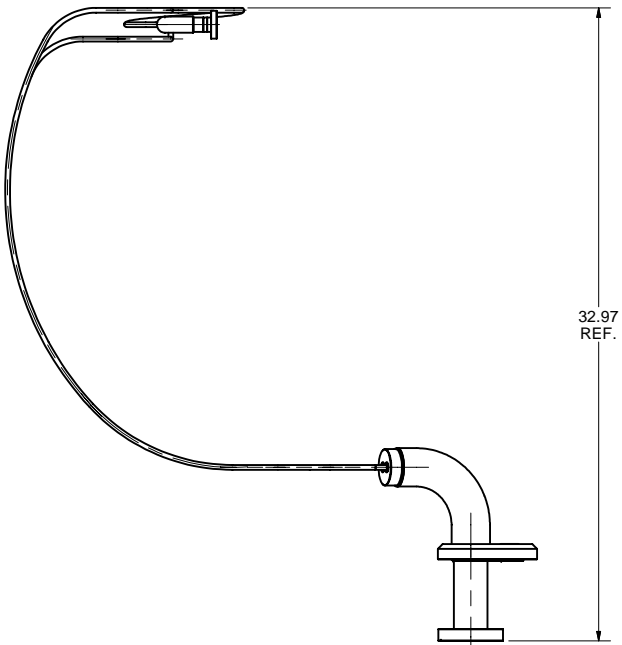
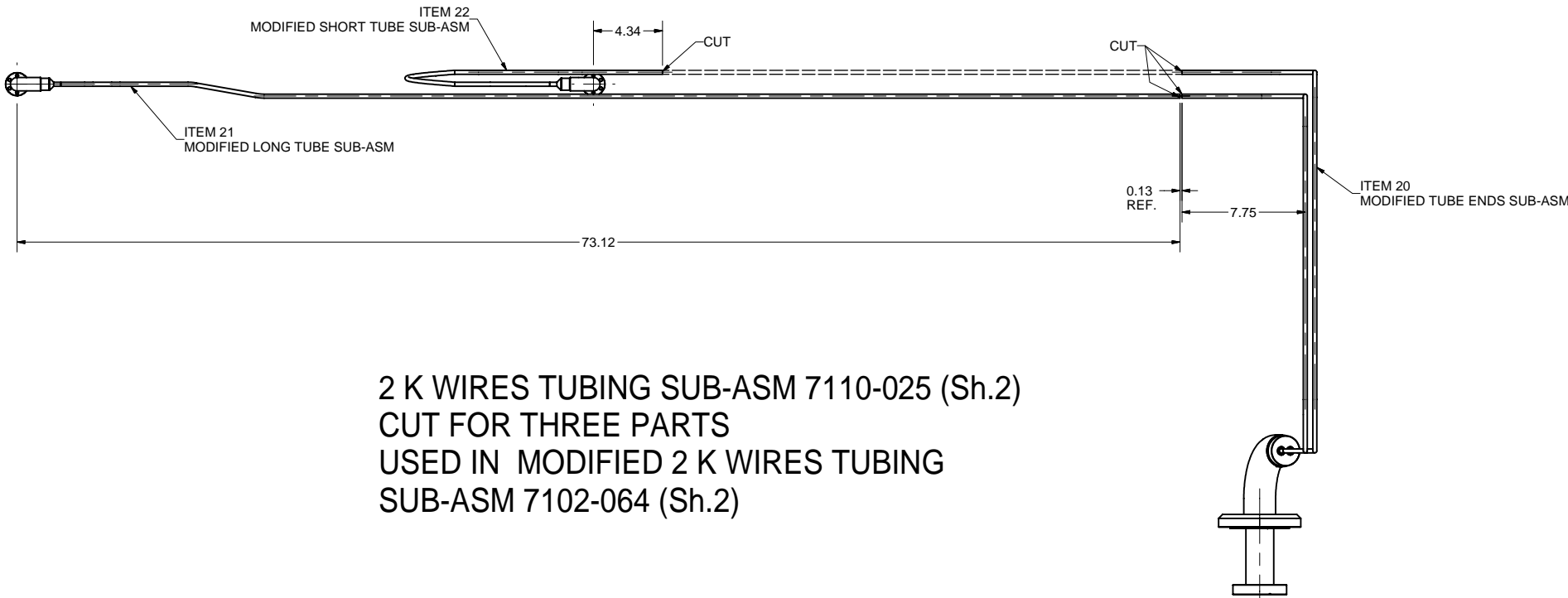
2 MODIFIED 2 K WIRES TUBING SUB-ASM

FILE NAME: 7102-064
SHEET NO.: 2
DFT. SCALE: 1:5
MATERIAL:
QTY: 1 PER ASSEMBLY
NOTES:

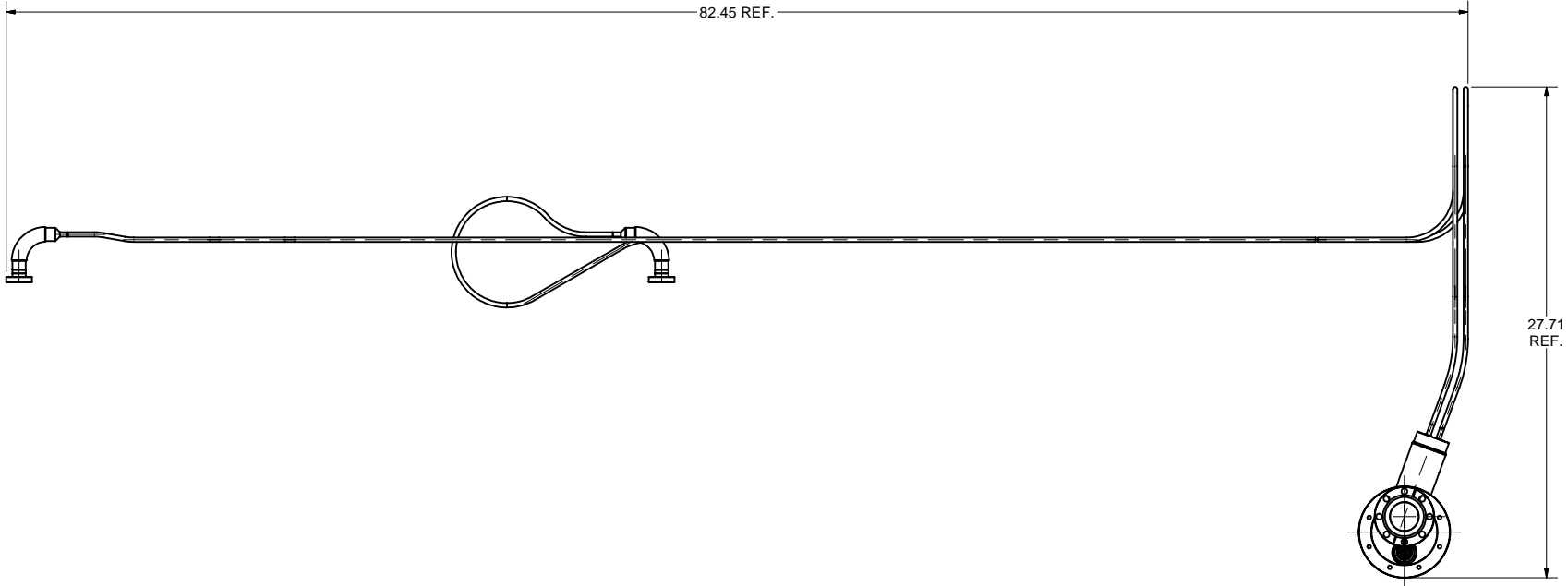
23	7102-064 (Sh.3)	EXTENSION TUBE	1					
22	7102-064 (Sh.3)	MODIFIED SHORT TUBE SUB-ASM	1					
21	7102-064 (Sh.3)	MODIFIED LONG TUBE SUB-ASM	1					
20	7102-064 (Sh.3)	MODIFIED TUBE ENDS SUB-ASM	1					
2	7102-064 (Sh.2)	MODIFIED 2 K WIRES TUBING SUB-ASM	X					

		ITEM	DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS		REV.	
								QUANTITY					
D	PRINT DISTR.	PLOT DATE: 12/6/2007 CAD FILE NAME: 7102-064.idw											
7102-064 SH. NO. 2 OF 4	CR-1	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES: TOLERANCES ON: .0 ± .02 .00 ± .010 .000 ± .005 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES ✓		<div>CORNELL UNIVERSITY  CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div> <div>ERL INJECTOR CRYOMODULE 2 K WIRES TUBING MODIFIED 2 K WIRES TUBING SUB-ASM</div>									
		CHECKED BY: VM		DRAWN BY		DRAWN FOR		DATE		SCALE	D	7102-064	REV.
		APPROVED BY: PGQ		vm		M.Liepe		10/19/2007				SH. NO. 2 OF 4	

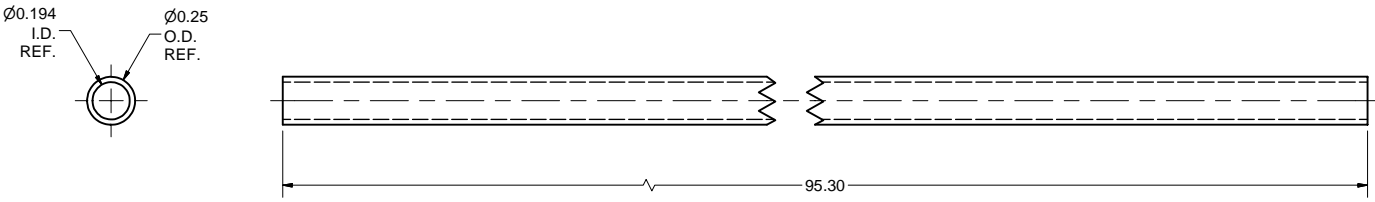
REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.




2 K WIRES TUBING SUB-ASM 7110-025 (Sh.2)
CUT FOR THREE PARTS
USED IN MODIFIED 2 K WIRES TUBING
SUB-ASM 7102-064 (Sh.2)



- 20 MODIFIED TUBE ENDS SUB-ASM
FILE NAME: 7102-064
SHEET NO.: 3
DFT. SCALE: 5:1
MATERIAL: SEE NOTE 1
QTY:
NOTES: 1. MAKE FROM 2 K WIRES TUBING SUB-ASM (7110-025, Sh.2).
- 21 MODIFIED LONG TUBE SUB-ASM
FILE NAME: 7102-064
SHEET NO.: 3
DFT. SCALE: 5:1
MATERIAL: SEE NOTE 1
QTY:
NOTES: 1. MAKE FROM 2 K WIRES TUBING SUB-ASM (7110-025, Sh.2).
- 22 MODIFIED SHORT TUBE SUB-ASM
FILE NAME: 7102-064
SHEET NO.: 3
DFT. SCALE: 5:1
MATERIAL: SEE NOTE 1
QTY:
NOTES: 1. MAKE FROM 2 K WIRES TUBING SUB-ASM (7110-025, Sh.2).



- 23 EXTENSION TUBE
FILE NAME: 7102-064
SHEET NO.: 3
DFT. SCALE: 2:1
MATERIAL: 1/4"OD x 0.028"W 316L ST. STEEL TUBE
QTY: 1 PER ASSEMBLY
NOTES:

		ITEM	DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS		REV.
								QUANTITY				
D	PRINT DISTR.	PLOT DATE: 12/6/2007 CAD FILE NAME: 7102-064.idw										
	CR-1	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES; TOLERANCES ON: .0 ± .02 .00 ± .010 .000 ± .005 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES ✓			<div>CORNELL UNIVERSITY  CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div> ERL INJECTOR CRYOMODULE 2 K WIRES TUBING 7110-025 2 K WIRES TUBING SUB-ASM CUT; EXTENSION TUBE							
	7102-064 SH. NO. 3 OF 4	REV.	CHECKED BY: VM APPROVED BY: PGQ	DRAWN BY vm	DRAWN FOR M.Liepe	DATE 10/19/2007	SCALE D	7102-064 SH. NO. 3 OF 4		REV.		

