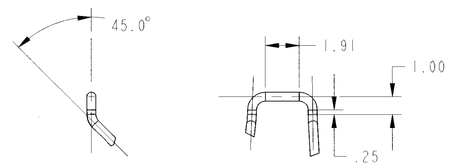
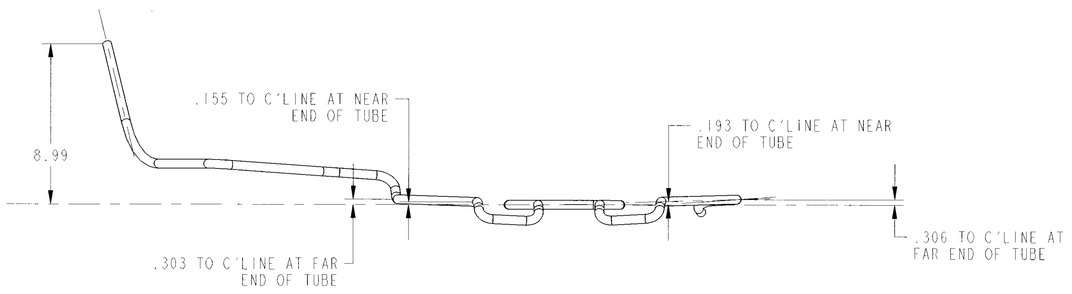
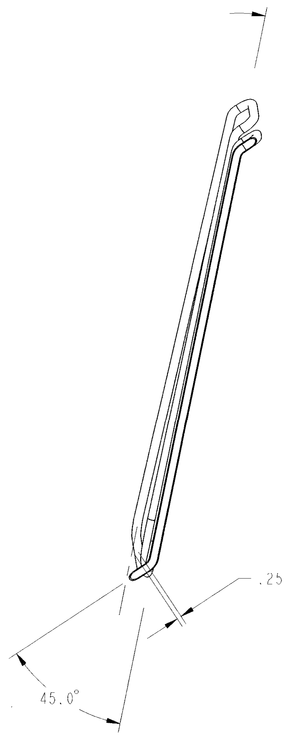


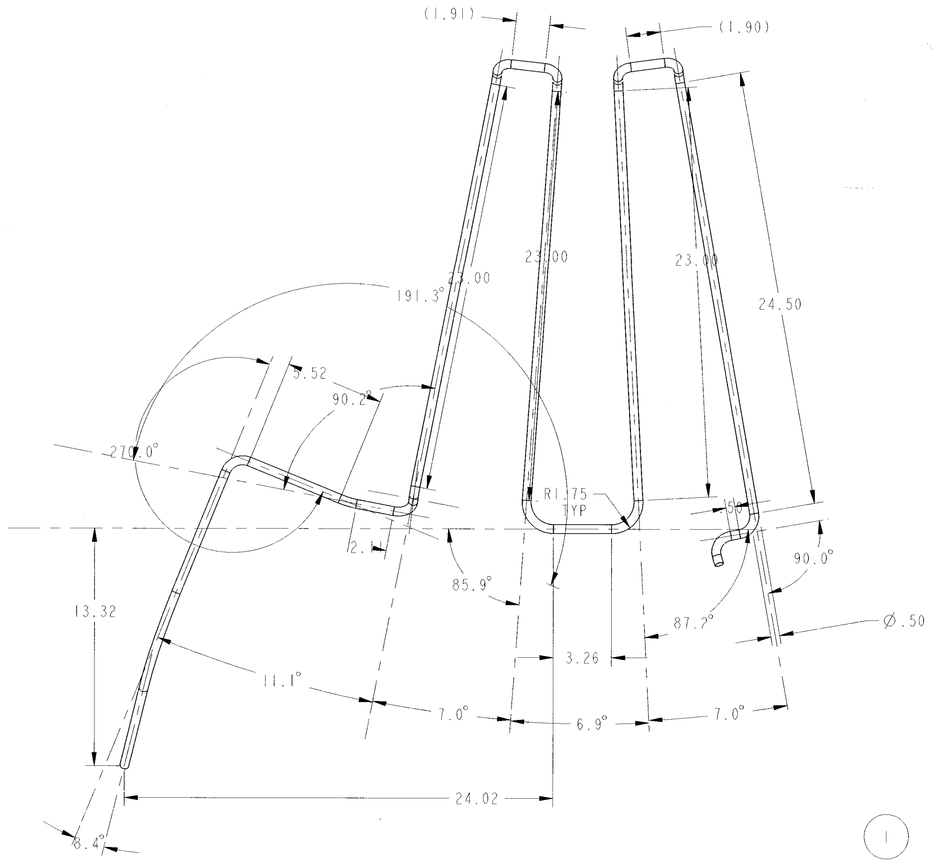
NOTES

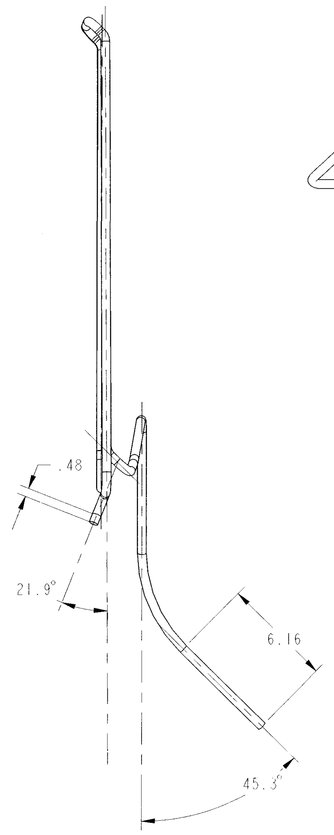
1. INTERPRET DRAWING PER MECHANICAL ENGINEERING DRAFTING STANDARD ES-3.1-2.
2. INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M.
3. DIMENSIONS ARE IN INCHES.

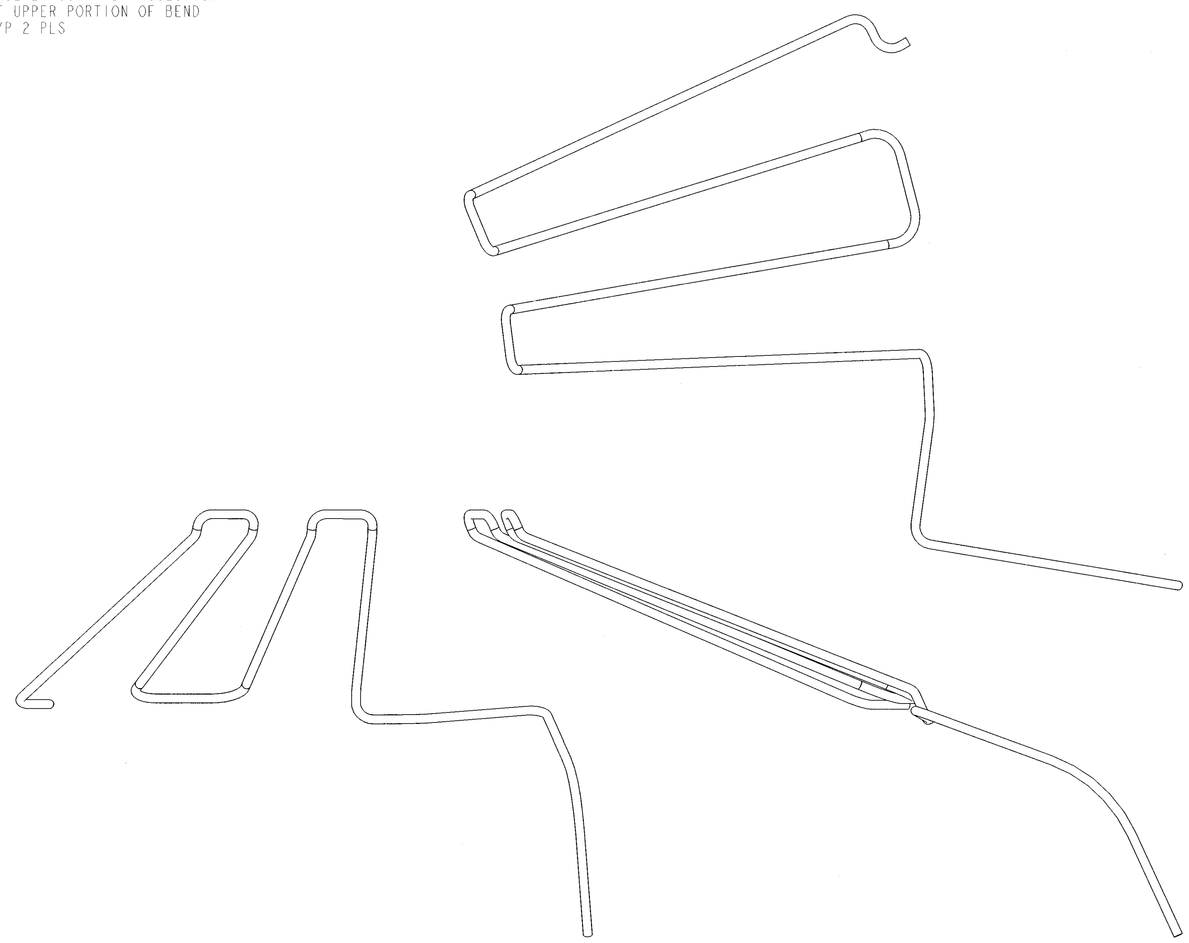


DETAIL PROVIDED TO SHOW TRUE LAYOUT AND PROJECTION OF UPPER PORTION OF BEND TYP 2 PLS









SCALE 0.250

AR		-1	OB DIV COOLING TUBE	Ø.50 X .049 WALL	SST TUBE	
X3E017104A179	CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	SPECIFICATION	FIND NO
← NEXT ASSEMBLY		PARTS LIST				

QUALITY VERIFICATION

MECHANICAL AND STRUCTURAL
REFERENCE ORNL QV-001

QV CLAUSE	DOCUMENTS REQUIRED	APPLICABLE TO PART NO *
303	MATERIAL MILL TEST REPORT	
325	MATERIAL SELLER CERT	
326	SPECIAL MATERIAL INSPECTION REPORT	
205	MANUFACTURING, INSPECTION AND TEST PLAN	
312	FIELD INSPECTION AND TEST PLAN	
321	WELD AND BRAZE INSPECTION REPORT	
322	HEAT TREAT REPORT (W/CHART)	
310	LEAK TEST REPORT	
315	CLEANING CERT	
318	DEVIATION REQUEST	X
319	NONCONFORMANCE REPORT	X
323	DIMENSIONAL REPORT	
330	FUNCTIONAL TEST REPORT	
100	DOCUMENTION	X

* SYMBOL X INDICATES APPLICABLE TO ALL PARTS OR ITEMS

W. B. Brumble — QA COORDINATOR — 6-29-98 — DATE

OFD STX-0091 RO — DATE REC 6/29

PRINCETON UNIVERSITY
PLASMA PHYSICS LABORATORY
TOKAMAK FUSION TEST REACTOR

PO	ITEM	
A (DRAWING REVIEW)	NO COMMENTS, PRINT TO VENDOR	1
	COMMENTS AS NOTED, PRINT TO VENDOR	2
	DRAWING NOT APPLICABLE, PRINT TO VENDOR	3
	NO COMMENTS, NO PRINT TO VENDOR	4
	FOR INFORMATION ONLY	5
B (DESIGN REVIEW)	NO FURTHER REPRODUCIBLE REQUIRED	1
	SUBMIT REVISED REPRODUCIBLE	2
	NO FURTHER REPRODUCIBLE REQUIRED	3
	SUBMIT REVISED REPRODUCIBLE	4

X3E017104A183

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P THIS DRAWING PRODUCED ON PRO-ENGINEER

THIS DOCUMENT CONTROLLED BY CHANGE CONTROL SYSTEM 3
ENGINEERING PROCEDURE EP-C-18

REV	CHANGE TYPE	CHANGE CONTROL SYSTEM	CHANGE CONTROL NUMBER	DESCRIPTION	A-E	BY	CHK	SECT	DEPT	DATE	PE	REQ	DATE	LM-ES	DATE	DOE	DATE	QA	CV	EC	EE	EM	IE	M	PD	SE	ST	XAD	PES
0	-	3	-	ORIGINAL ISSUE		MTB				3/98																			

REVISION OR ISSUE PURPOSE — REVISION APPROVALS — SQUAD CHECK

SCALE .25
TOLERANCES UNLESS OTHERWISE SPECIFIED
FRACTIONS
XX DECIMALS ±.01
XXX DECIMALS ±.005
ANGLES ±0° 15'
BREAK SHARP EDGES .01 MAX
FINISH 63 UNLESS OTHERWISE SPECIFIED

DES	P GORANSON	02/98
DRW	MT BROWN	03/98
CHK	J K Ping	6/29/98
SECT		
DEPT	D. L. Hillis land	6/29/98
PE		
CR		
PJ	R.D. Bruneau	6/29/98
REQ	Bob Barnes	6/29/98

DRAWING APPROVALS — DATE

LOCKHEED MARTIN — LOCKHEED MARTIN ENERGY SYSTEMS, INC.
operated for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC-05-84OR21400
Oak Ridge, Tennessee - Paducah, Kentucky

PROJECT NAME: NSTX

OUTBOARD DIVERTOR PLATE COOLING TUBE

1	48	49	50	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS
3	M	E	U	Y-12	FEDC	1	1	1	S	U
51		52		53	X3E017104A183					REV 0

SECTION A-A