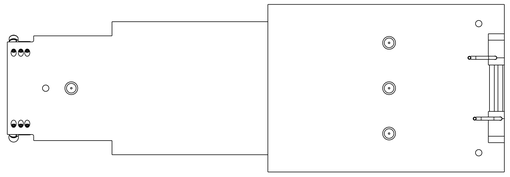
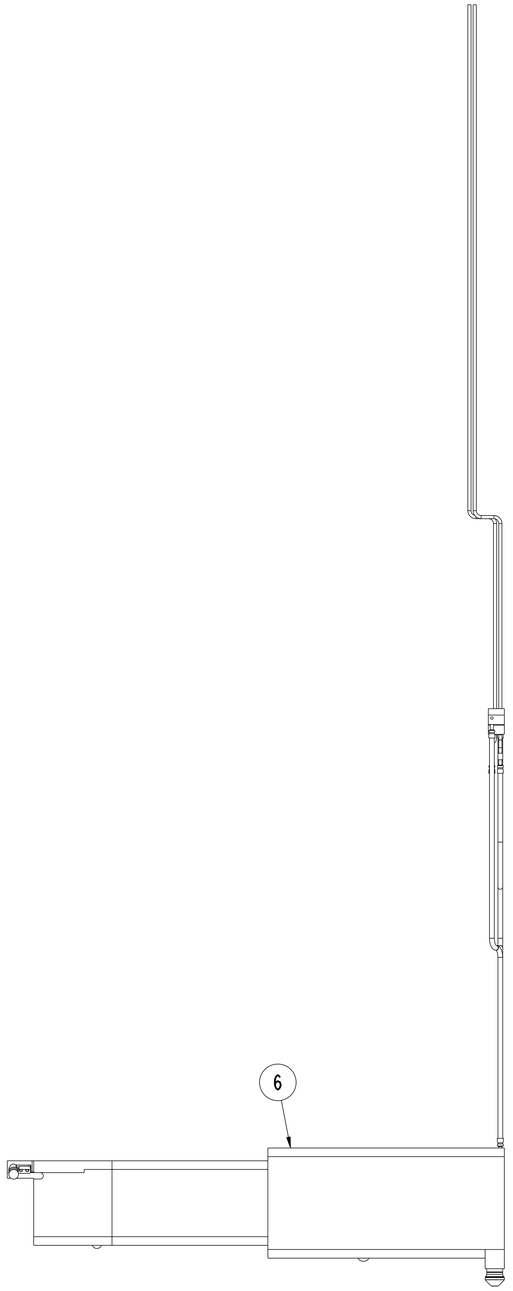
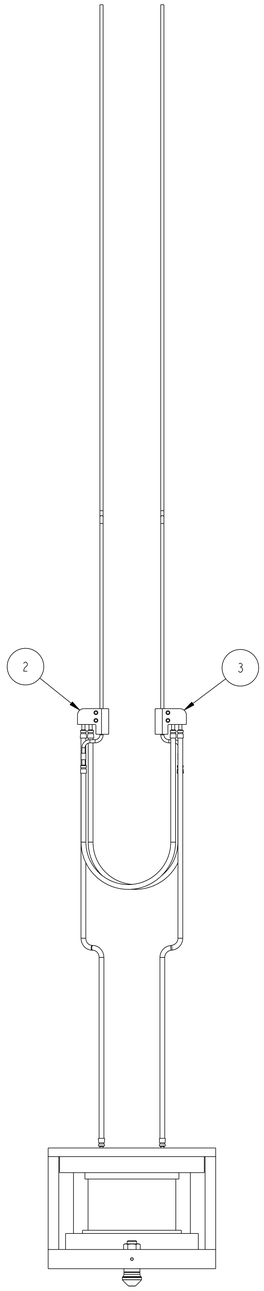
NEXT ASS'Y: | FINAL ASS'Y:



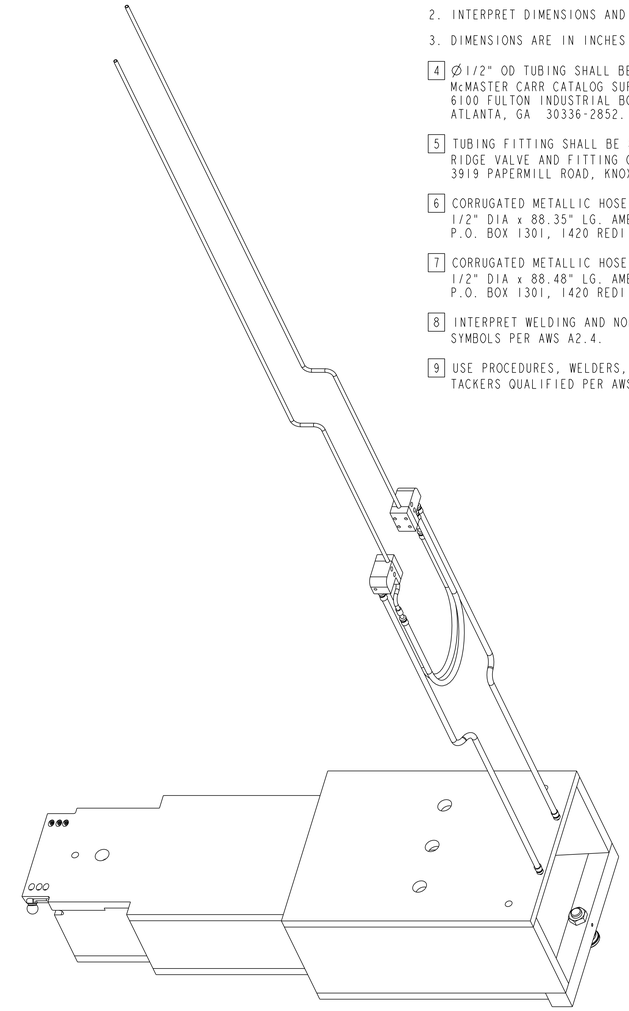




END VIEW
SCALE 0.109

NOTES

1. INTERPRET DRAWING PER GLOBAL ENGINEERING DOCUMENTS DRAWING REQUIREMENTS MANUAL.
2. INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M.
3. DIMENSIONS ARE IN INCHES.
4. Ø1/2" OD TUBING SHALL BE McMASTER CARR CATALOG No. 89895K29. McMASTER CARR CATALOG SUPPLY COMPANY IS LOCATED AT 6100 FULTON INDUSTRIAL BOULEVARD, ATLANTA, GA 30336-2852.
5. TUBING FITTING SHALL BE SWAGELOK CATALOG No. 1/2-810-9-8W. RIDGE VALVE AND FITTING COMPANY IS LOCATED AT 3919 PAPERMILL ROAD, KNOXVILLE, TN 37909.
6. CORRUGATED METALLIC HOSE #1 SHALL BE AMERICAN BOA CATALOG No. BOA B7, 1/2" DIA x 88.35" LG. AMERICAN BOA IS LOCATED AT P.O. BOX 1301, 1420 REDI ROAD, CUMMING, GA 30028.
7. CORRUGATED METALLIC HOSE #2 SHALL BE AMERICAN BOA CATALOG No. BOA B7, 1/2" DIA x 88.48" LG. AMERICAN BOA IS LOCATED AT P.O. BOX 1301, 1420 REDI ROAD, CUMMING, GA 30028.
8. INTERPRET WELDING AND NONDESTRUCTIVE EXAMINATION SYMBOLS PER AWS A2.4.
9. USE PROCEDURES, WELDERS, WELDING OPERATORS AND TACKERS QUALIFIED PER AWS B2.1.



PICTORIAL VIEW
SCALE 0.125

	1		107030600M8E8700A301-1	TYP MULTI SHTR INSRT ASSY	---	---	6
	1		107030600M8E8700A222-1	SHUTTER TUBING ASSEMBLY	---	---	3
4	1		107030600M8E8700A221-1	SHUTTER TUBING ASSEMBLY	---	---	2
8 9	1		107030600M8E8700A300-1	LOWER MODERATORS SHUTTER ASSEMBLY	---	---	1
A002-1	-1	CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	SPECIFICATION	FIND NO
		NEXT ASSEMBLY		PARTS LIST			

WEIGHT: APPROX. 3,414 LBS.

QUALITY VERIFICATION
MECHANICAL AND STRUCTURAL
REFERENCE SNS-QA-G002

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 (WCHART)	-
310	LEAK TEST REPORT	-
315	CLEANING CERT	-
318	DEVIATION REQUEST	-
319	NONCONFORMANCE PROCESS	-
323	DIMENSIONAL REPORT	-
330	FUNCTIONAL TEST REPORT	-
:	:	:
:	:	:
:	:	:
:	:	:
:	:	:
:	:	:
100	DOCUMENTATION	:

* SYMBOL X INDICATES APPLICABLE TO ALL PARTS OR ITEMS

QA REP ..... DATE .....

RPE

REV. XX DATE XX/XX/XX

107030600M8E8700A300

PRELIMINARY

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P THIS DRAWING PRODUCED ON PRO-ENGINEER

THIS DOCUMENT CONTROLLED BY
CHANGE CONTROL SYSTEM 3
ENGINEERING PROCEDURES SNS-TS-G001

REV	CHANGE TYPE	CHANGE CONTROL SYSTEM	CHANGE REQUEST NUMBER	DESCRIPTION	BY	CHK	SECT	DEPT	DATE	PE	REQ	DOE	PJ
00A	—	3	—	ISSUE FOR COMMENT AND INFORMATION	MEP	DMW			05/02				

REVISION OR ISSUE PURPOSE — REVISION APPROVALS

SCALE AS NOTED

TOLERANCES UNLESS OTHERWISE SPECIFIED
FRACTIONS :
XX DECIMALS ±.01
XXX DECIMALS ±.005
ANGLES ±0°15'
BREAK SHARP EDGES .06 MAX
FINISH 125 RMS UNLESS OTHERWISE SPECIFIED

DRAWING APPROVALS		DATE
DES	DMW/MEP	5/02
DRW	M.E.PHILLIPS	5/02
CHK	:	:
L3	:	:
L2	:	:
:	:	:
:	:	:
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:	:	:

ornl Oak Ridge National Laboratory
operated for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC-05-84OR21400
Oak Ridge, Tennessee

SNS Spallation Neutron Source

SPALLATION NEUTRON SOURCE PROJECT
FACILITY SHUTTER INTERFACE
MULTI SHUTTER INSERT W/TUBING

BLDG	FL	SHT	OF	CLASS
8700	1ST	1	1	U

107030600M8E8700A300 — REV 00A