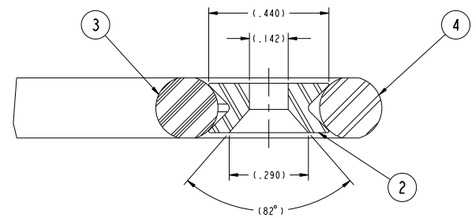
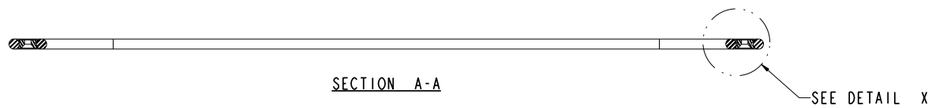
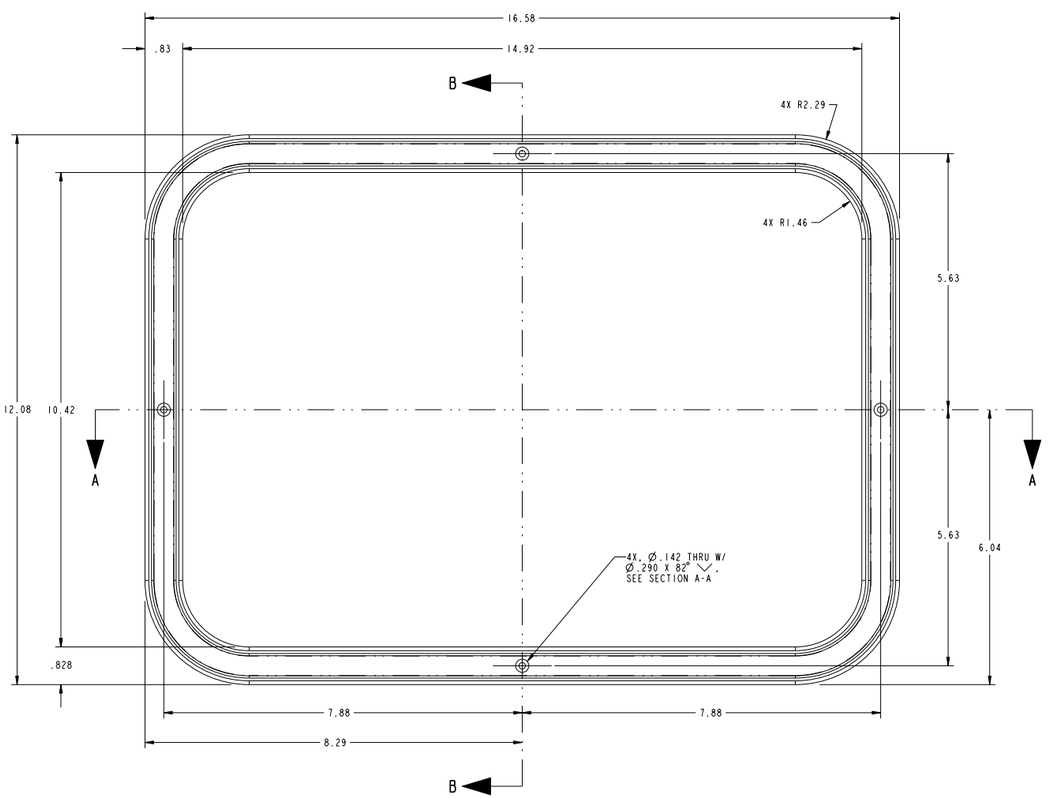


DETAIL X
SCALE 6.000

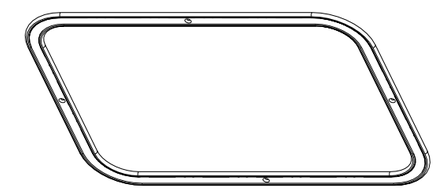


SECTION A-A



FRONT VIEW
SCALE 1.000

SECTION B-B



AUXILIARY VIEW
SCALE 0.500

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. GARLOCK HELICOFLEX, 2770 THE BLVD, COLUMBIA S.C. 29290, PHONE 803-783-1880

   SPECIFICATIONS:
   SEAL TYPE: HNV 230
   JACKET MATERIAL: TITANIUM
   WORKING TEMPERATURE: 200 DEGREES FAHRENHEIT
   PRESSURE: 30 PSI, COMPRESSION: 0.016
   SEATING LOAD: 1,700 LBS/IN SEAL CIRCUMFERENCE
   FLANGE FINISH: 16 RMS (OR BETTER). MARKS TO FOLLOW THE SEAL CIRCUMFERENCE.
   MIN. FLANGE HARDNESS: 180 HV
   CUSTOMER TARGET LEAK RATE: < 1×10^{-5} STD CC/SEC HE
5. SINGLE CORE VESSEL INSERT GASKET ASSEMBLY IS FOR REFERENCE ONLY. ACTUAL DESIGN MAY VARY. USE ENVELOPE DIMENSIONS TO FABRICATE.

PRELIMINARY

			CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	SPECIFICATION	FIND NO
5		1		107030600M8E8700AI74-4	OUTER SEAL RING	---	---	4
5		1		107030600M8E8700AI74-3	INNER SEAL RING	---	---	3
5		1		107030600M8E8700AI74-2	GASKET RETAINING RING	---	---	2
4 5		1		107030600M8E8700AI74-1	MULTI C.V. INS GSKT ASSY	---	---	1
107030600M8E8700A009	-1		NEXT ASSEMBLY		PARTS LIST			

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	NONMATERIAL INSPECTION AND TEST PLAN	-
312	FIELD INSPECTION AND TEST PLAN	-
321	WELD AND BRAZE INSPECTION REPORT	-
322	HEAT TREAT REPORT (VACUUM)	-
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

107030600M8E8700AI74

REV	CHANGE CODE	CHANGE CONTROL NO	ASSOC. ECN NO	DESCRIPTION	BY	CHK	SECT	DEPT	DATE	PE	REQ	DOE
A	—	3	—	ISSUE FOR COMMENT AND INFORMATION								

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	04-19-04
DRW	M.E.PHILLIPS	04-19-04
CHK		
L3		
L2		

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operated for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC-05-00OR21400
Oak Ridge, Tennessee

Spallation Neutron Source

SPALLATION NEUTRON SOURCE PROJECT
MULTI CORE VESSEL INSERT
MULTI C.V. INSERT GASKET ASSEMBLY

BLDG	FL	SHT	OF	CLASS
8700	1ST	1	1	U

107030600M8E8700AI74 — REV A

NO REPRESENTATION OR WARRANTY,EXPRESSED OR IMPLIED,IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN THESE DRAWINGS, OR THAT THE USE OR DISCLOSURE OF ANY INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS WILL NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABILITY IS ASSUMED WITH RESPECT TO THE USE OF, OR FOR DAMAGES RESULTING FROM THE USE OF, ANY INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS. DRAWINGS MADE AVAILABLE FOR INFORMATION TO BIDDER ARE NOT TO BE USED FOR OTHER PURPOSES, AND ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR.

P THIS DRAWING PRODUCED ON PRO-ENGINEER

THIS DOCUMENT CONTROLLED BY
CHANGE CONTROL SYSTEM____3____
ENGINEERING PROCEDURE SNS-TS-G001