



NOTES:
 1- ALL DIMENSIONS ARE FOR REFERENCE ONLY.
 2- FIELD MEASUREMENTS WILL DETERMINE ACTUAL PATH AND DISTANCES.
 3- ALL VALVES ARE EXTENDED STEM.
 4- ALL LINES ARE VACUUM JACKETED UNLESS SPECIFIED.
 5- BRANCH LINES MAY BE CONNECTED TO THE MANIFOLD VERTICALLY AS AN OPTION. MINIMUM CLEARANCE FROM MEZZANINE FLOOR TO BRANCH LINE IS 92".

- LEGENDS:
- C = VALVE CONTROL RACK UTILITY LOCATION (RELAY RACK 05ID-AR-RR02)
 - TT = TEMPERATURE TRANSMITTER
 - RV = RELIEF VALVE
 - KF = KEEP FULL
 - CD = COOL DOWN
 - 3V = 3 WAY VALVE
 - NC = NORMALLY CLOSE

ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
PARTS LIST				
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES		THIS DRAWING IS THE PROPERTY OF		
TOLERANCES		ARGONNE NATIONAL LABORATORY		
DECIMALS		ADVANCED PHOTON SOURCE		
X .1 (2.5)		LIQUID NITROGEN DISTRIBUTION SYSTEM MODULE -D-		
.XX .01 (0.25)				
.XXX .005 (0.13)				
SURFACE ROUGHNESS 125				
REMOVE ALL BUMPS AND BRACK SHARP EDGES .53 MAX		LOG NUMBER: Q7240000-01		
SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1		DRAWN BY: corcuera		
DATE: 8/28/98		DATE: 10/08/98		
CHECKED BY: BOB FERRY		DATE: 10/08/98		
DESIGNER: A. CORCUERA		DATE: 8/28/98		
RESPONSIBLE ENGINEER: BOB FERRY		DATE: 10/08/98		
MATERIAL		SCALE: (1:20)		
REVISIONS		SIZE: C		
BY		DRAWING NUMBER: Q7-240000-01		
DATE		SHEET 14		
DO NOT SCALE DRAWING				

NO	DESCRIPTION	BY	CHKD	DATE
01	REMOVED AUTO. INTERCONNECT VALVE			
REVISIONS				