(E)	PLOT SCALE: 1/16=1	DWG. SCALE:1	

SPECIFICATIONS

SHIELDING REQUIREMENTS:

BACK WALL 3/8" THK LEAD

SIDE WALLS 1/4" THK LEAD

ROOF 1/4" THK LEAD

CONSTRUCTION: MODULAR

STRUCTURE: SELF-SUPPORTED

ROOF RATED: 40 LBS LIVE WEIGHT/SQ FT

100 LBS DEAD WEIGHT/SQ FT

OVERALL DIMS:

3.00M WIDE X 6.00M LONG X 3.30M HIGH (9.83' x 19.82' x 11')

CLEAR HEIGHT INSIDE: 3.00M [10']

DOOR OPENING: 2.40M HIGH X 2.00M WIDE [8'X 6.6']

SLIDING DOORS:

THREE MANUAL, FIXED BY LATCH

ONE PNEUMATIC WITH MANUAL OVERRIDE

STANDARD SIDE PANEL: 1M WIDE X 3.3M HIGH [3.3'X11']
SANDWICH CONSTRUCTION: STEEL 3mm [1/8" (11Ga.)] - LEAD 6mm[1/4"] - STEEL 6mm[1/4"]
STRUCTURE: 3" X 3" X 1/4" STEEL ANGLE, ALL AROUND
WEIGHT: 1232 LB

STANDARD BACK PANEL: 1M WIDE X 3.3M HIGH [3.3'X11']
SANDWICH CONSTRUCTION: STEEL 3mm [1/8" (11Ga.)] - LEAD 10mm[3/8"] - STEEL 6mm[1/4"]
STRUCTURE: 3" X 3" X 1/4" STEEL ANGLE, ALL AROUND
WEIGHT: 1500 LB

STANDARD ROOF PANEL: 1M WIDE X 4.18M LONG [3.3'X13.81']
SANDWICH CONSTRUCTION: STEEL 3mm [1/8" (11Ga.)] - LEAD 6mm[1/4"] - STEEL 6mm[1/4"]
STRUCTURE: MC 6 X 16.3 STEEL CHANNEL, ALL AROUND
WEIGHT: 1180 LB

STANDARD DOOR PANEL: 1M WIDE X 2.5M HIGH [3.3'X8']
SANDWICH CONSTRUCTION: STEEL 3mm [1/8" (11Ga.)] - LEAD 6mm[1/4"] - STEEL 6mm[1/4"]
WEIGHT: 962 LB

LABYRINTH PANELS: UTILITIES, CABLES, VENTILATION

UTILITIES: CHILLED WATER 5° – 0.8°C [41° – 1.5° F]

COMPRESSED AIR 90psi

ELECTRICAL POWER 30kVA 120/208V

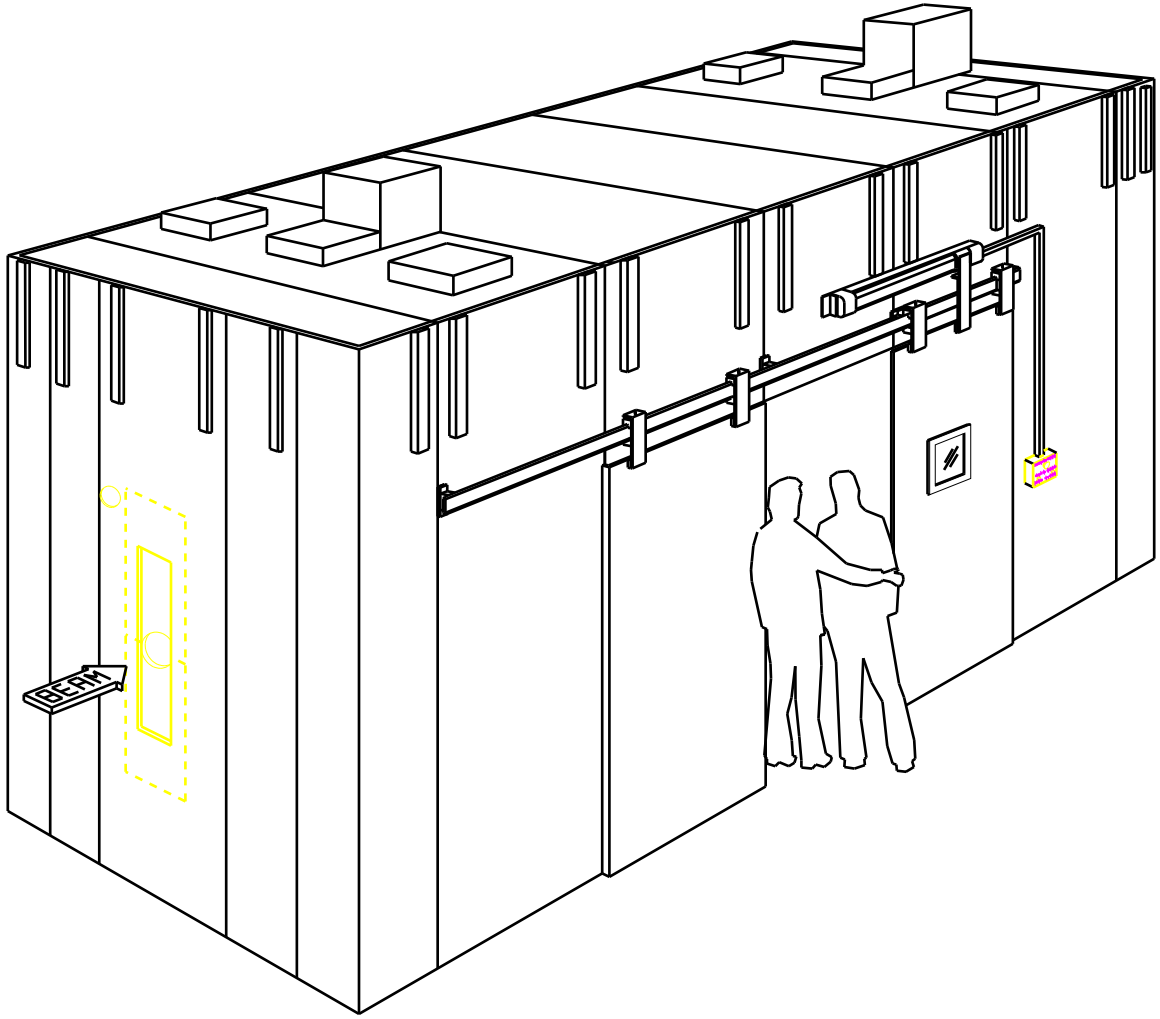
WORK STATION CRANE WITH MANUAL HOIST:

SPAN 2.44M [8'] x RUNWAY LENGTH 5.18M (17') x CLEAR HEIGHT 3.00M (10')

CAPACITY: 1000Kg [1 TON]

VENTILATION: TWO FANS - 545 CFM, 5.2 SONES @ FREE AIR

ILLUMINATION: FLUORESCENT - OFFICE RATED: 100 FOOT CANDLE.



NOTES:

1- THE HUTCH MANUFACTURER SHALL BE RESPONSIBLE FOR THE STRUCTURAL INTEGRITY OF THE HUTCH, AND SHALL CERTIFY THAT THE STRUCTURE WAS REVIEWED BY A LICENSED STRUCTURAL ENGINEER.

STRUCTURES AND THEIR ELEMENTS SHALL BE BUILT FOLLOWING DOE 6430 AS REFERRED TO IN TECHNICAL SPECS. DESIGN LOADS SHALL INCLUDE LOADS THAT CAN OCCUR DURING CONSTRUCTION. DEAD LOADS SHALL INCLUDE THE USE OF THE INTERIOR UNISTRUT FOR SHELVES ONE FOOT WIDE SUPPORTING LOADS OF 200 LBS.

2- LEAD THICKNESS IS SPECIFIED BY ARGONNE. THE MANUFACTURER SHALL BE RESPONSIBLE FOR PROVIDING A RADIATION LEAK PROOF HUTCH.

LEAD LINED PANELS SHALL BE CONSTRUCTED FROM SINGLE UNPIERCED SHEET, FREE OF OXIDE INCLUSIONS, FISSURES, VOIDS AND ALL OTHER DETRIMENTAL DEFECTS. MATERIAL SHALL BE LEAD GRADE 'C' TO COMPLY WITH FEDERAL SPECIFICATION QQ-L-201. HUTCH SHALL MEET ALL APPLICABLE RADIATION GUIDE LINES REFERRED TO IN TECHNICAL SPECS.

PARTS LIST

A2284300

corcuera 6/1/95

SANCHEZ/CORCUERA

T. SANCHEZ 6/1/95

(PERSPECTIVE & SPECS.)

ARGONNE NATIONAL LABORATORY

ADVANCED PHOTON SOURCE

H1 APS MBES 12-BM-B
MONOCHROMATIC BEAM
EXPERIMENTAL STATION ASSY.

1/16=1 E P41050903-790000-00

SHEET 2 of 1