

SPECIFICATIONS

SHIELDING REQUIREMENTS:
 BACK WALL 1/2"THK LEAD
 FRONT & SIDE WALLS 3/8"THK LEAD
 ROOF 1/4"THK LEAD

CONSTRUCTION: MODULAR

STRUCTURE: SELF-SUPPORTED
 ROOF RATED: 40LBS LIVE WEIGHT/SQ FT
 100 LBS DEAD WEIGHT/SQ FT

OVERALL DIMS:
 4M WIDE X 7M LONG X 3.3M HIGH [13.12 X 23' X 11']
 CLEAR HEIGHT INSIDE: 3M [10']
 DOOR OPENING: 2.4M HIGH X 1M WIDE [8' X 3.3']

SLIDING DOORS:
 RING SIDE: ONE PAIR MANUAL, FIXED BY LATCH
 OUT SIDE ONE PAIR: ONE MANUAL, FIXED BY LATCH
 ONE PNEUMATIC WITH MANUAL OVERRIDE

STANDARD SIDE PANEL: 1M WIDE X 3.3M HIGH [3.3'X11']
 CONSTRUCTION: SANDWICH : STEEL 3mm [1/8" (11Ga)] - LEAD 10mm [3/8"]- STEEL 6mm[1/4"]
 STRUCTURE: 3"X3"X1/4" STEEL ANGLE, ALL AROUND
 WEIGHT: 1500LB

STANDARD BACK PANEL: 1M WIDE X 3.3M HIGH [3.3'X11']
 CONSTRUCTION: SANDWICH : STEEL 3mm [1/8" (11Ga)] - LEAD 13mm [1/2"]- STEEL 6mm[1/4"]
 STRUCTURE: 3"X3"X1/4" STEEL ANGLE, ALL AROUND
 WEIGHT: 1768LB

STANDARD ROOF PANEL: 1M WIDE X 4M LONG [3.3'X13']
 CONSTRUCTION: SANDWICH : STEEL 3mm [1/8" (11Ga)] - LEAD 6mm [1/4"]- STEEL 6mm[1/4"]
 STRUCTURE: MC 6 X 16.3 STEEL CHANNEL, ALL AROUND
 WEIGHT: 1714LB

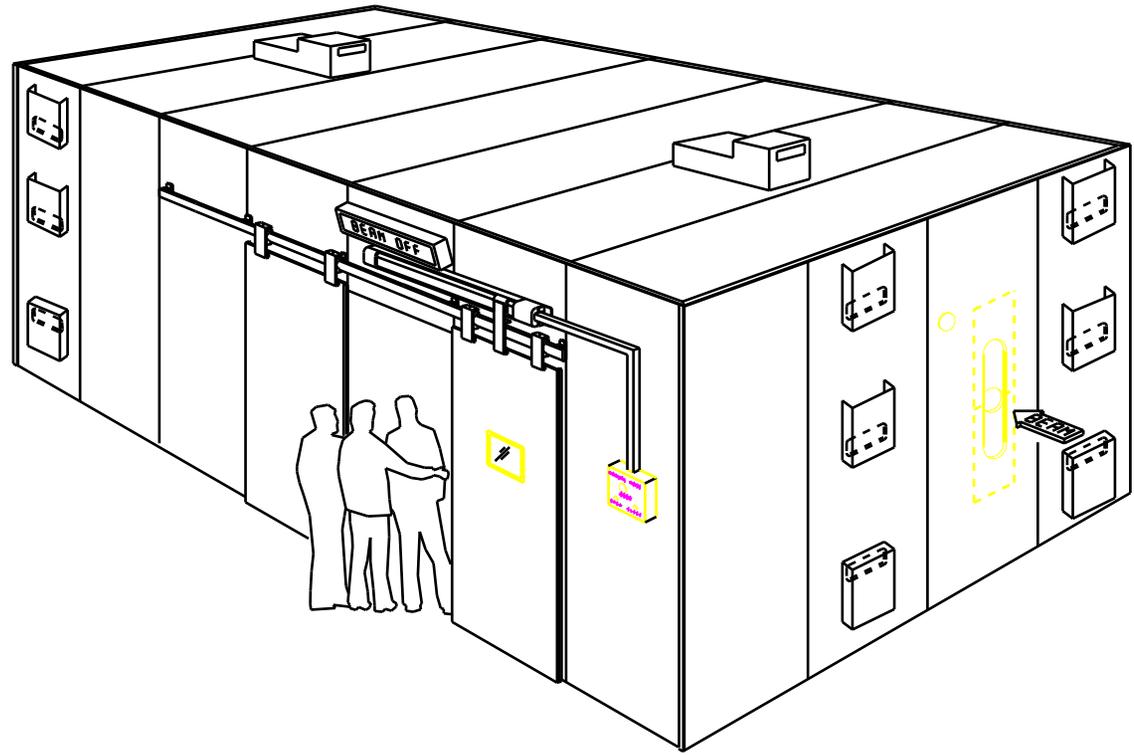
STANDARD DOOR PANEL: 1M WIDE X 2.5M HIGH [3.3'X8']
 CONSTRUCTION: SANDWICH : STEEL 3mm [1/8" (11Ga)] - LEAD 10mm [3/8"]- STEEL 6mm[1/4"]
 STRUCTURE: 2"X2"X1/8" STEEL ANGLE, ALL AROUND
 WEIGHT: 1123LB

CRANE: BRIDGE WITH MANUAL HOIST
 SPAN 4M [13'] X RUNWAY LENGTH 6M [20']
 CAPACITY: 500Kg [1/2 TON]

UTILITY PANELS: FRONT WALL: CHILLED WATER 5° – 0.8°C [41° – 1.5°F]
 COMPRESSED AIR 90psi
 ELECTRICAL POWER 30kVA 120/208V

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

ILLUMINATION: OFFICE RATED - 150 FOOT CANDLES.



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 REFERED IN TECHNICAL SPECS. DESIGN LOAD 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 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 -QOL201. HUTCH SHALL MEET ALL APPLICABLE RADIATION GUIDE LINES: REFERED IN TECHNICAL SPECS.

2	TITLE REVISED	NAICS	2014
1	REMOVED NOTE	DATE	11/11/14
1	DATE & REVISION	BY	11/11/14
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ARGONNE NATIONAL LABORATORY ADVANCED PHOTON SOURCE H1 APS MBES 1-ID-C MONOCHROMATIC BEAM EXPERIMENTAL STATION ASSY. (PERSPECTIVE & SPECS)	AS NOTED N/A PART 2 11/11/14 E	P41050903-210000-02
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