NOTES:
1. REFERENCE DRAWING SR-FE-3PW-4001.
2. UNLESS OTHERWISE SPECIFIED THE 7-BM SOURCE POINT IS THE ORIGIN FOR ALL ORDINATE DIMENSIONS.
3. UNLESS OTHERWISE SPECIFIED, ORDINATE DIMENSIONS ARE TO THE U/S FACE FOR Pb SHIELDS AND Cu MASKS, TO THE GEOMETRIC CENTER FOR NON-OPTICAL COMPONENTS (E.G. Ba WINDOW), AND TO THE OPTICAL CENTER FOR OPTICAL COMPONENTS.
4. SBT ENCLOSURE 1 MIN. LEAD THICKNESS: 5mm ALL AROUND.
5. SBT SHIELDED PIPE MIN. LEAD THICKNESS: 5mm WRAP ALL AROUND.
6. FOR COMPONENTS REFERENCED BY THIS NOTE SYNCHROTRON BEAM IMPINGES ON MASK AT NORMAL INCIDENCE OUTSIDE OF TAPERED APERTURE, PER HEAT LOAD CALCULATION "PD-QAS-MSK-CALC-1101" THIS IS ACCEPTABLE.

ABBREVIATIONS:
BRS - BREMSSTRAHLUNG STOP
BS - BEAM STOP
CO - BREMSSTRAHLUNG COLLIMATOR
D/S - DOWNSTREAM
MONO - MONOCHROMATER
MSK - FIXED MASK
PBS - PINK BEAM STOP (FIXED MASK)
PCM - PHOTON COLLIMATING MIRROR
PFM - PHOTON FOCUSING MIRROR
PSH - PHOTON SHUTTER
RCO - RATCHET WALL COLLIMATOR
SBT - SHIELDED BEAM TRANSPORT
SCHM - SAMPLE CHAMBER
SLT - SLIT
US - UPSTREAM
WIN - WINDOW

QAS (7-BM) BEAMLINE LAYOUT
SCALE: 1:40

QAS-SM1 34528.7
QAS-PFM 35078.7
QAS-PSH 33598.1
QAS-WIN1 43705.4
QAS-SCHM1 45000.0
HUTCH A LEAD WALL U/S 34528.7
HUTCH A WALL U/S 43500.0
HUTCH B WALL U/S 48494.0
HUTCH C WALL U/S 52494.0
SBT ENCLOSURE 1 SEE NOTE 4
SBT PIPE 2 PLACES SEE NOTE 5
7-BM SOURCE POINT (3PW)