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, ORIGINATE DIMENSIONS ARE TO THE U/S FACE FOR Pb SHIELDS AND Cu MASKS, TO THE GEOMETRIC CENTER FOR NON-OPTICAL COMPONENTS (e.g. Be 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:
BR - BREMSSTRAHLUNG STOP
BS - BEAM STOP
CO - BREMSSTRAHLUNG COLLIMATOR
D/S - DOWNSTREAM
MONO - MONOCHROMATOR
MSK - FIXED MASK
PBS - PINK BEAM STOP (FIXED MASK)
PDM - PHOTON COLLIMATING MIRROR
PFM - PHOTON FOCUSING MIRROR
PSH - PHOTON SHUTTER
RCD - RATCHET WALL COLLIMATOR
SBT - SHIELDED BEAM TRANSPORT
SCHM - SAMPLE CHAMBER
SLT - SLIT
US - UPSTREAM
WIN - WINDOW

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