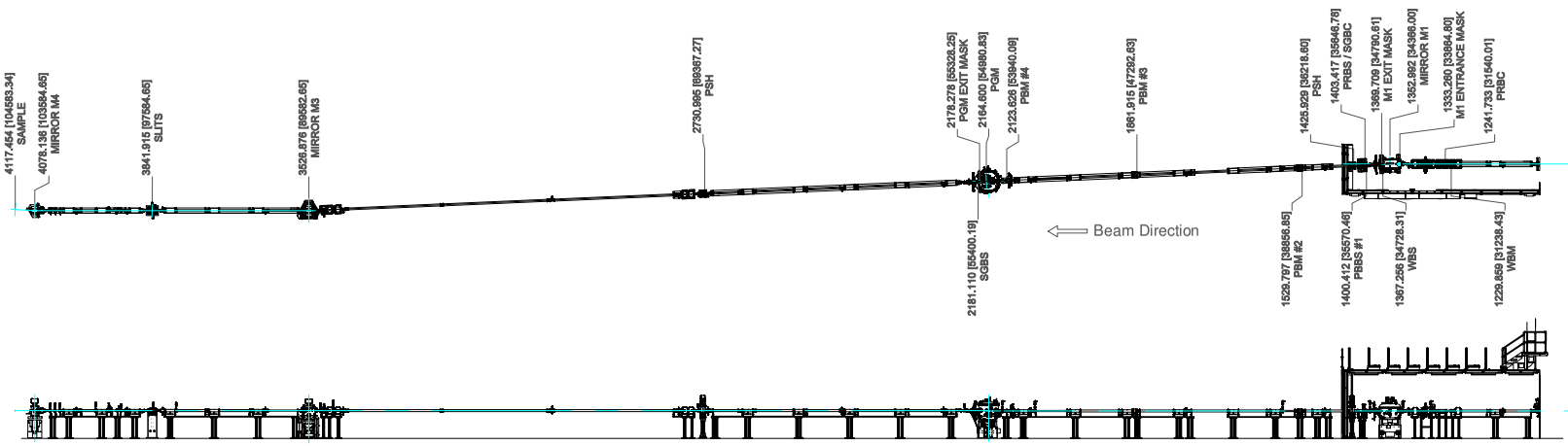
REVISION HISTORY					
REV	DESCRIPTION	DATE	DESIGNER	CHECKED BY	ENGINEER
A	RELEASE PER ECO 004585	8/15/2016	S. PJEROV	C. STELMACH	Y. ZHU

NOTES:
1. FE REFERENCE DRAWING SR-FE-EPU02-1001 REV. B
2. THE CENTER OF STRAIGHT IS THE ORIGIN FOR ALL DIMENSIONS UNLESS OTHERWISE NOTED.
3. BLUE AND MAGENTA COLORED RAYS ARE DETERMINED BY TOLERANCED APERTURES. GREEN COLORED RAYS ARE DETERMINED BY NOMINAL APERTURES.
4. DIMENSIONS PBM #1, #2, #3 AND #4 ARE TO GLIDCOP BLOCK FRONT SURFACE.
5. ALL DIMENSIONS ARE IN INCHES, IN BRACKETS [xx.xx] ARE MILLIMETERS AND ARE FOR REFERENCE ONLY.



SPECIFICATIONS		REFERENCE
Project	NEXT PROJECT	NX-C-XFD-RSI-001
Source	EPU 57	NX-C-XFD-RSI-001
Beam Line Name	SIX INELASTIC X-RAY SCATTERING	NX-C-XFD-RSI-001
Abbreviation	SIX	NX-C-XFD-RSI-001
Period of insertion device	57 mm	NX-C-XFD-RSI-001
Long / Short Straight / Cell	LONG / 02ID	NX-C-XFD-RSI-001
Length of Source	7000 mm	NX-C-XFD-RSI-001
Location of Center of Source (from Center of Straight)	0	NX-C-XFD-RSI-001
Ray Tracing Procedure		PS-C-XFD-PRC-008 (Version 2)
Front End Ray Tracing Drawing		SR-FE-EPU02-1001 (REV. B)

SIX BEAMLINE LAYOUT
SCALE 1:75

ABBREVIATIONS:
DS - DOWNSTREAM
LCO - LEAD COLLIMATOR
PBBS - PINK BEAM BAFFLE SLITS
PBM - PINK BEAM MASK
PBS - PINK BEAM STOP
PEEM - PHOTO EMISSION ELECTRON MICROSCOPES
PRBC - PRIMARY BREMSSTRAHLUNG COLLIMATOR
PRBS - PRIMARY BREMSSTRAHLUNG STOP
PGM - PLANE GRATING MONOCHROMATER
PSH - PHOTON SHUTTER
SGBC - SECENDARY GAS BREMSSTRAHLUNG COLLIMATOR
SGBS - SECENDARY GAS BREMSSTRAHLUNG STOP
US - UPSTREAM
WBM - WHITE BEAM MASK
WBS - WHITE BEAM STOP

UNLESS OTHERWISE SPECIFIED
DIMENSIONS, TOLERANCES AND FINISHES PER ASME Y14.5M-1994
DIMENSIONS, TOLERANCES AND FINISHES PER ASME Y14.5M-1994
DIMENSIONAL TOLERANCE
X = 0.060
X.X = 0.010
X.XX = 0.015
X.XXX = 0.005
DO NOT SCALE THIS DRAWING
DO NOT SCALE THIS DRAWING
DRAWN BY: S. PJEROV 8/20/16
CHECKED BY: C. STELMACH 8/20/16
ENGINEER: Y. ZHU 8/20/16
DESIGNER: S. PJEROV 8/20/16
DESIGN VERIFIER: L. JAWAHOE 8/20/16
DESIGN APPROVAL: L. STEGLER 8/20/16
DESIGN APPROVAL: J. ZIPPER 8/20/16
THIS DRAWING CONTAINS INFORMATION THAT MAY BE PROPRIETARY AND/OR SUBJECT TO EXPORT CONTROL REGULATIONS
Proprietary Information
Export Control Information
NSLS II
NATIONAL SYNCHROTRON LIGHT SOURCE II
PHOTON DIVISION
SIX RAY TRACING
SIX BEAMLINE RAY TRACING
NEXT ASSY:
PROJECT: SIX BEAMLINES
SIZE: E
PD-SIX-RAYT-0001
REV: A
DO NOT SCALE THIS DRAWING
SCALE: NOTED
WBS# 2.09.02.01
CODE IDENT NO: 11460
REV LEVEL: A-1
SHEET 1 OF 9