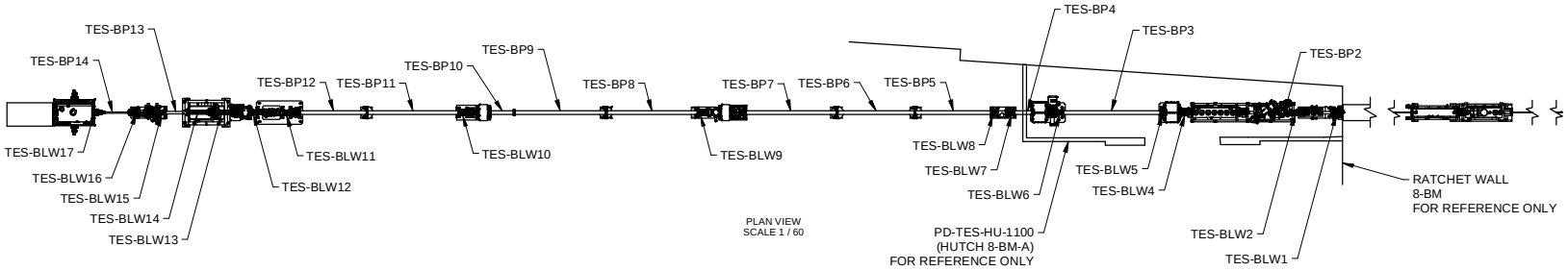
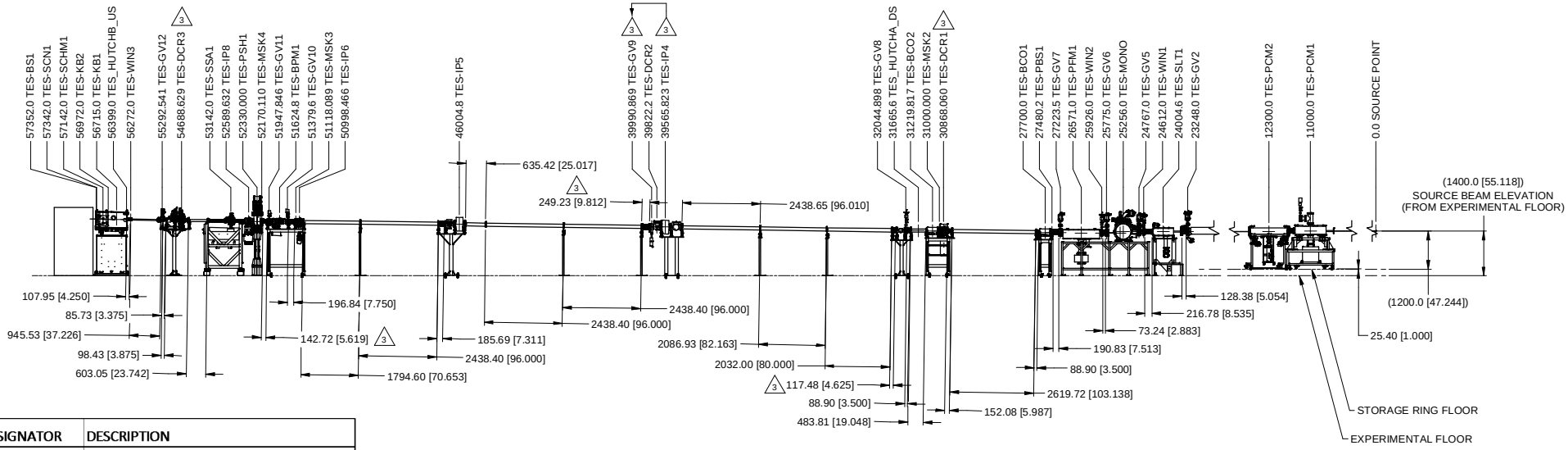
REVISION HISTORY					
REV	DESCRIPTION	DATE	DESIGNER	CHECKED BY	ENGINEER
1	RELEASE PER ECO-002665	2/2016	M. JOHANSON	E. HAAS	E. HAAS
2	REVISED PER ECO-003921	3/2016	M. JOHANSON	C.A. / C.S.	E. HAAS
3	REVISED PER ECO-004051	5/2016	M. JOHANSON	C.A. / C.S.	E. HAAS



PLAN VIEW
SCALE 1 / 60



ELEVATION VIEW
SCALE 1 / 60

DESIGNATOR	DESCRIPTION
BLW	BELLOWS
BP	BEAM PIPE (SPOOL ASSY)
CO	BREMSSTRAHLUNG COLLIMATOR
DCR	DIAGNOSTIC VACUUM CROSS
GV	GATE VALVE
IP	ION PUMP
LAT	LATTICE
MONO	MONOCHROMATOR
PBS	PINK BEAM STOP
PCM	PHOTON DELIVERY COLLIMATING MIRROR
PD	PHOTON DIVISION
PFM	PHOTON DELIVERY FOCUSING MIRROR
PSH	PHOTON SHUTTER
SLT	X-Y SLIT
STOP	BEAMLINE END STOP
WIN	BERYLLIUM WINDOW
TES	TENDER X-RAY ABSORPTION SPECTROSCOPY

NOTES:

1. SEE LATTICE DRAWING, PD-TES-LAT-1001, FOR BEAM TRAJECTORY AND COMPONENT POSITIONS.

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN MILLIMETERS
DIMENSIONS IN BRACKETS [IN.] ARE EQUIVALENT AND ARE FOR REFERENCE ONLY
INTERPRET DRAWING AS PER ASME Y14.5-2009 OR YDLE-1020

DIMENSIONAL TOLERANCES: X ± 1.500, .X ± 0.750, .XX ± 0.400, .XXX ± 0.120
ANGULAR TOLERANCE: ± .5°
FINISH: 3.2
BREAK EDGES & SHARP CORNERS 0.125 MIN. TO 0.750 MAX.

THIRD ANGLE PROJECTION

SCALE: SEE DWG VIEW

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BROOKHAVEN SCIENCE ASSOCIATES
UPTON, NEW YORK 11973
Exploring Life's Mysteries
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NSLS II
NATIONAL SYNCHROTRON LIGHT SOURCE II

DRAWN BY:	M. JOHANSON	2/9/2016
CHECKED BY:	E. HAAS	2/2016
VACUUM APPROVAL	-	-
ENGINEER APPROVAL	E. HAAS	2/2016
SUPERVISOR APPROVAL	-	-
ESH&Q APPROVAL	-	-
QA APPROVAL	-	-

NEXT ASSY: PD-TES-1000
PROJECT: BDN
WBS# 6.09.02

PHOTON DIVISION
TEM BEAMLINE
ASSEMBLY, TES BEAMLINE COMPONENTS

D PD-TES-BL-1000 3
DRAWING/PART NUMBER REVISION

ESH&Q RISK LEVEL A-3
SHEET 1 OF 1

D:\Mech-Eng_TIP\DTES\BL\PD-TES-BL-1000.dwg

RELEASED → EFFECTIVE