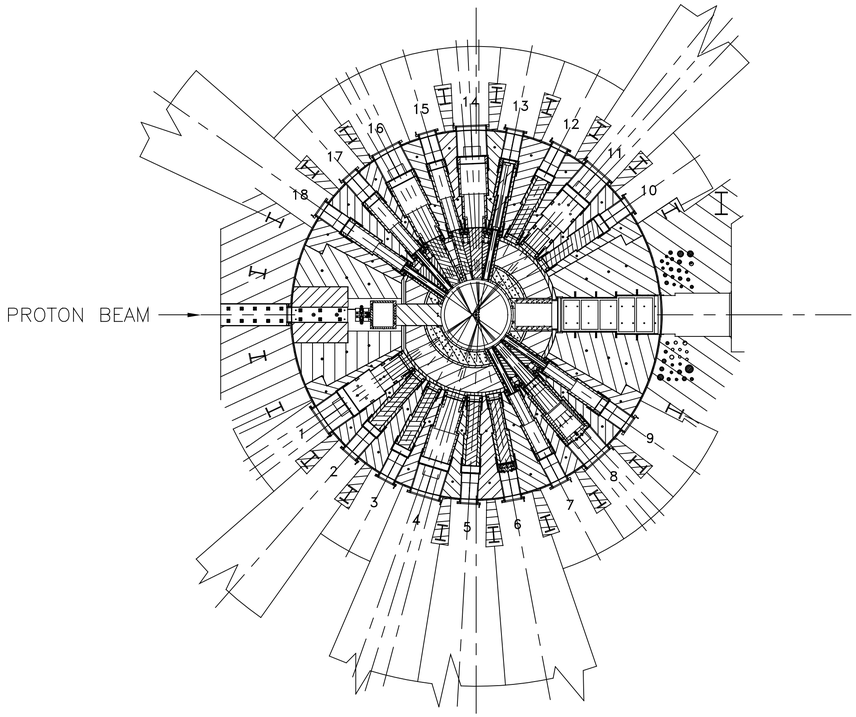
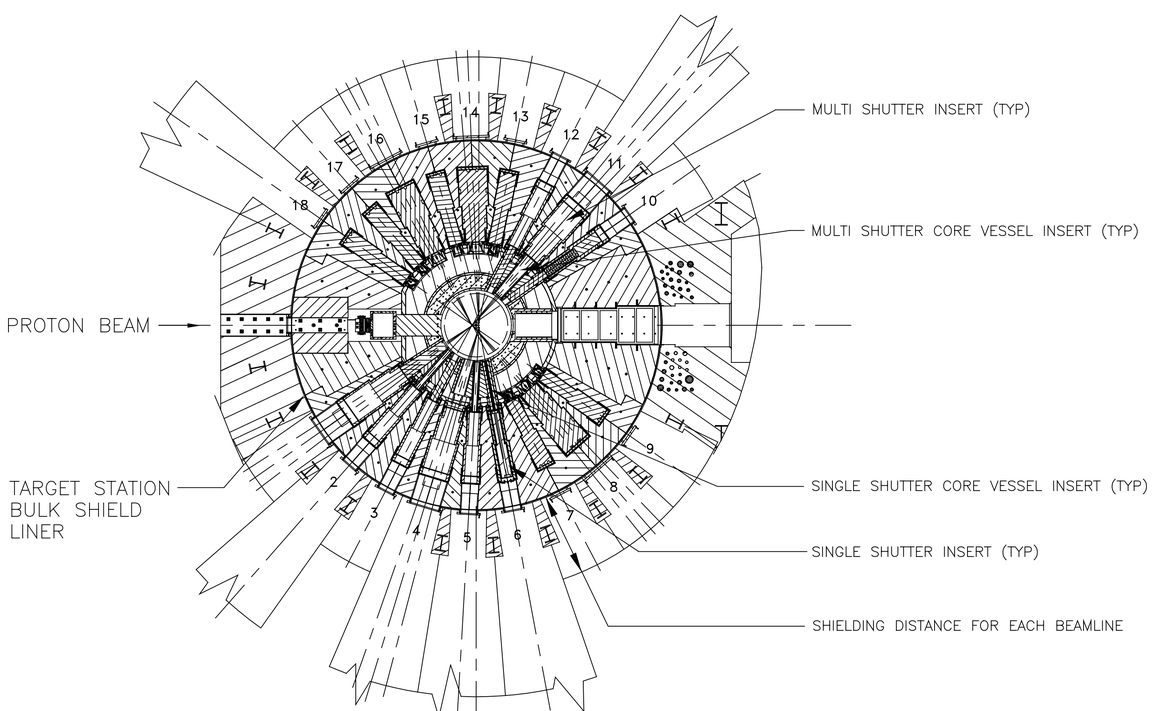
DWG NO
SNS-107070600-G8D-8700-A0001



PLAN VIEW THROUTH THE CENTERLINE OF THE TOP NEUTRON BEAMLINES



PLAN VIEW THROUTH THE CENTERLINE OF THE BOTTOM NEUTRON BEAMLINES

Beam Line	Instrument	Core Vessel Insert Assembly Drawing	Shutter Insert Assembly Drawing	Shielding Reference Drawing
1 TUa	Uninstrumented	Similiar to Beam Line 11	Solid shutter center section to be provided by WBS 1.7.3.6	To be provided by WBS 1.6.5.1
1 TUb	Disordered Materials	Similiar to Beam Line 11	Solid shutter center section to be provided by WBS 1.7.3.6	To be provided by WBS 1.6.5.1
2 TU	Backscatter Spectrometer	107040600M8E8700A010	107040600M8E8700A030	To be provided by WBS 1.7.4
3 TU	High Pressure	Similiar to Beam Line 18	Similiar to Beam Line 18	To be provided by WBS 1.6.5.1
4 TDa	Magnetism Reflectometer	107050703M8E8700A001 (Insert w/channel provided by WBS 1.7.5)	107050703M8E8700A018 (Insert w/ bender provided by WBS 1.7.5)	To be provided by WBS 1.7.5
4 TDb	Liquids Reflectometer	107050703M8E8700A001 (Insert w/channel provided by WBS 1.7.6)	107050703M8E8700A018 (Insert w/ bender provided by WBS 1.7.6)	To be provided by WBS 1.7.6
5 TD	Cold Neutron Chopper Spectrometer (CNCS)	107110600M8E8700A010 (Provided by CNCS-WBS 1.7.11)	107110600M8E8700A030 (Provided by CNCS-WBS 1.7.11)	To be provided by CNCS-WBS 1.7.11
6 TD	extended Q SANS	107080600M8E8700A010 (Provided by WBS 1.7.8)	107080600M8E8700A030 (Provided by WBS 1.7.8)	To be provided by WBS 1.7.8
7 BU	Uninstrumented	107030600M8E8700A118 -solid plug	Solid plug to be provided by WBS 1.7.3.6	To be provided by WBS 1.6.5.1
8 BUa	Uninstrumented	107030600M8E8700A101 -solid plug	Solid shutter center section to be provided by WBS 1.7.3.6	To be provided by WBS 1.6.5.1
8 BUb	Uninstrumented	107030600M8E8700A101 -solid plug	Solid shutter center section to be provided by WBS 1.7.3.6	To be provided by WBS 1.6.5.1
9 BU	VULCAN Engineering Diffractometer	107090600M8E8700A010 (Insert w/channel provided by WBS 1.7.3.6)	107090600M8E8700A030 (Insert w/channel provided by WBS 1.7.3.6)	To be provided by WBS 1.6.5.1
10 TU	Uninstrumented	107030600M8E8700A119 -solid plug	Solid plug to be provided by WBS 1.7.3.6	To be provided by WBS 1.6.5.1
11 TUa	Powder Diffractometer	107100600M8E8700A010 (Insert w/channel provided by WBS 1.7.10)	107100600M8E8700A030 (Insert w/channel provided by WBS 1.7.10)	To be provided by WBS 1.7.10
11 TUb	Uninstrumented	107100600M8E8700A010 (Insert w/channel provided by WBS 1.7.10)	107100600M8E8700A030 (Insert w/channel provided by WBS 1.7.10)	To be provided by WBS 1.7.10
12 TU	Uninstrumented	107030600M8E8700A119 -solid plug	Solid plug to be provided by WBS 1.7.3.6	To be provided by WBS 1.6.5.1
13 BD	Fundamental Physics Beam Lines	107130600M8E8700A010 (Provided by WBS 1.7.13)	Solid plug to be provided by WBS 1.7.3.6	To be provided by WBS 1.6.5.1
14 BDa	Uninstrumented	107030600M8E8700A101 -solid plug	Solid shutter center section to be provided by WBS 1.7.3.6	To be provided by WBS 1.6.5.1
14 BDb	Uninstrumented	107030600M8E8700A101 -solid plug	Solid shutter center section to be provided by WBS 1.7.3.6	To be provided by WBS 1.6.5.1
15 BD	Uninstrumented	107030600M8E8700A118 -solid plug	Solid plug to be provided by WBS 1.7.3.6	To be provided by WBS 1.6.5.1
16 BUa	Uninstrumented	107030600M8E8700A101 -solid plug	Solid shutter center section to be provided by WBS 1.7.3.6	To be provided by WBS 1.6.5.1
16 BUb	Uninstrumented	107030600M8E8700A101 -solid plug	Solid shutter center section to be provided by WBS 1.7.3.6	To be provided by WBS 1.6.5.1
17 BU	High Resolution Chopper	Similiar to Beam Line 18	Similiar to Beam line 18	To be provided by WBS 1.6.5.1
18 BU	ARCS Wide Angle Chopper Spectrometer	107070601M8E8700A001 (Provided by ARCS-WBS 1.7.7)	107070601M8E8700A002 (Provided by ARCS-WBS 1.7.7)	To be provided by ARCS-WBS 1.7.7

ITEM NO	NEXT ASSEMBLY	REQD

THIS DRAWING IS THE PROPERTY OF
ARGONNE NATIONAL LABORATORY

SYM	CHANGE	BY	CHKD	DATE	APVD	DATE

MICRO-FILMED DATE

UNLESS OTHERWISE NOTED
ALL DIMENSIONS ARE INCHES
DECIMAL TOLERANCE
.X ± .1
.XX ± .02
.XXX ± .005
ANGULAR TOL ± 1/2°
FRACTIONAL TOL ±1/64
REMOVE ALL BURRS AND SHARP EDGES
SURFACES TO BE IN ACCORDANCE WITH LATEST ANSI B46.1
DIMENSIONS & TOLERANCES IN ACCORDANCE WITH LATEST ASME Y14.5M

RECORD NUMBER G12340			
DRAWN BY SIZE	DATE AUG 06	GP LEADER	DATE
CHECKED		PROJECT MGR	
RESPONSIBLE ENGINEER BAILEY	AUG 06	APVD/RELEASED	
MATERIAL			

TITLE
INSTRUMENT CONFIGURATION AT STARTUP OF TARGET STATION (DAY ONE)

SCALE	SHEET	DRAWING NUMBER	REV.
~	1 OF 1	SNS-107070600-G8D-8700-A0001	00