CMS (11-BM) BEAMLINE LAYOUT
SCALE: 1:50

NOTES:
1. REFERENCE DRAWING SR-FE-3PW-3001.
2. UNLESS OTHERWISE SPECIFIED THE 3PW SOURCE POINT IS THE ORIGIN FOR ALL DIMENSIONS.
3. UNLESS OTHERWISE SPECIFIED ALL ORIGIATE DIMENSIONS ARE TO THE CENTER OF EACH COMPONENT.
4. SEE SHEET 6 FOR BREMSTRAHLUNG COLLIMATOR / STOP CROSS-SECTION VIEWS AT U/S FACE OF LEAD / TUNGSTEN.
5. WHITE BEAM STOP 2 (WBS2) IS DESIGNED TO STOP POSSIBLE WHITE BEAM LEAKAGE THRU WHITE BEAM STOP 1 (WBS1) DUE TO MINIMUM EDGE DISTANCE.
6. SEE SHEET 7 FOR VERTICAL SYNCHROTRON MISSTEER RAYTRACING. THIS TRACE SHOWS THE MAX BEAM SPREAD ON THE BEAM STOP BY TRACING THE MAX MONO FAN REFLECTED THRU THE MAX APERTURE AT WBS2 AND TRIMMED AT THE SHIELDED BEAM PIPE.
   "THIS SHEET IS FOR REFERENCE ONLY"

ABBREVIATIONS:
BRS - BREMSTRAHLUNG STOP
BS - BEAM STOP
CO - BREMSTRAHLUNG COLLIMATOR
D/S - DOWNSTREAM
MONO - MONOCHROMATER
MSK - FIXED MASK
MSLT - MONOCHROMATIC SLIT
PFM - PHOTON FOCUSING MIRROR
PSH - PHOTON SHUTTER
SAX - SAXS DETECTOR
SBRS - SECONDARY BREMSTRAHLUNG SHIELD
SCHM - SAMPLE CHAMBER
SLT - SLIT
SSA - SECONDARY SOURCE APERTURE
U/S - UPSTREAM
WBS - WHITE BEAM STOP

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Project</th>
<th>X</th>
<th>Y</th>
<th>Z</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beamline Structure</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acceleration</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length of Source</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location of Source</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Top Viewing Procedures</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bottom View bombing diagram</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

REFERENCES

REFERENCES

REFERENCES

REFERENCES