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Design Concept of Obelisk Post for POS

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Steering Mirror for POS

- Steering mirror for POS and green beam for Yarm interfere with SR2 oplev beam
- Two options for solution:
 - Obelisk post with an attachment
 - Obelisk post with a hole

- Obelisk Post JGW-D1707299
- See JGW-L1909580 by Takeda-kun for details



Obelisk Post with Attachment

• Put Obelisk away from the oplev beam



Obelisk Post with Attachment

Obelisk with attachment should be placed as shown right to capture both green beam and IR beam from SRM.

The mirror has (Sigma-koki TFVMQ-50.8C10-20-532/1064-ARS) diameter: 50.8 mm thickness: 10 mm wedge: 1 deg



Obelisk Post with Hole



Obelisk Post with Hole

Obelisk position should be shifted by 10 mm towards +X to capture both green beam and IR beam from SRM. This shift is smaller than the radius of the hole (15 mm).

