

**Date:** April 15, 2004

**Subj:** APS drawings [125541-110000](#) PAR current transformer (monitor)

[25030101-00029](#) PAR spare chamber SP-T (spool pc)

**Spare status:** Spare chamber SP-T: Not leak checked;  
stored at bldg 382;  
request for certification pending



Fig. 1: Storage location of spare chambers in 382



Fig. 2: Spare chamber SP-T  
(note support rods)

**Further details:**

- **S-T Current Transformer (monitor) (APS drawing [125541-110000](#))**

There is one current transformer (or monitor) installed in PAR as shown in Fig. 3.

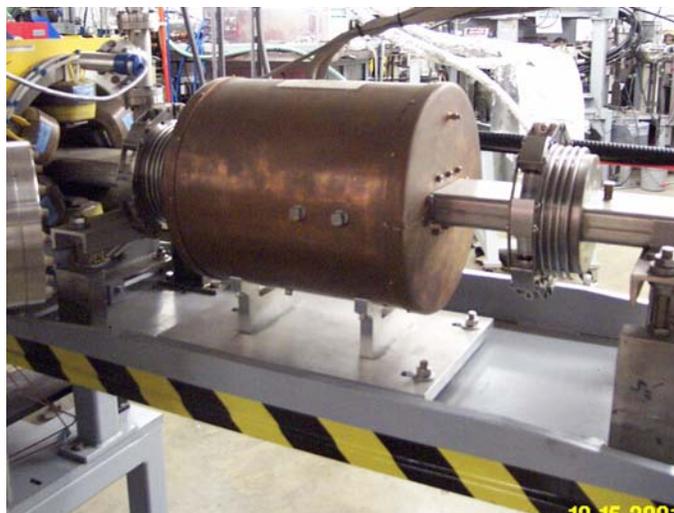


Fig. 3: S-T current transformer installed in PAR

No spare current transformer has been fabricated. This approach was approved in ASD Design Specification [2001-009](#).

Use spare vacuum chamber SP-T (APS drawing [25030101-00029](#)) to replace the current transformer chamber if necessary.

The current transformer is designed with its own support structure. The spare chamber, which is simply a spool piece, does not use the existing support of the current transformer (integral to the current transformer and removed when it is replaced). Since the SP-T spare chamber is mated to the bellows end of the S-7A chamber (at right in Fig. 3), the SP-T spare requires a separate support at the right hand end as viewed in Fig. 3. The extra support is stored with the spare chamber and is visible in Fig. 2. The two threaded rods are intended to match the two bolt hole locations shown at the right side of the current transformer support shown in Fig. 3.

Since the S-7A chamber has an integral bellows, a bellows for the SP-T spare chamber is not necessary.