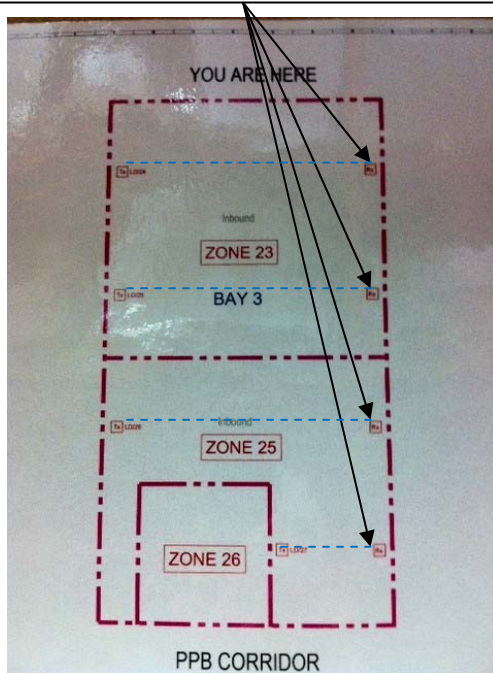


Beam Detection Installation Best Practice

Design Engineers are now recommending the use of self-aligning beam detection to detect smoke in large areas such as warehousing. Traditional beam detection is mounted at high level and requires accessing at regular intervals to manually check for alignment and for signs of dirt contamination.

By utilising motors within the beam head the self-aligning fire beam can make servicing and commissioning a safer procedure. It's method of using stepper motors allows it to make minute adjustments of just 1/40 of 1 degree to the beam head. This is automatically controlled by software which finds and continually monitors for optimum performance. The beams condition is then displayed at a ground level remote display

4 Beam Detectors monitor a vast area for signs of smoke



Detection Layout of 2 Bays in a large Warehouse



Beam head in situ



Ground level remote display

- Negates the previous requirement for regular high level access.
- The beam only requires accessing when the lens becomes contaminated.
- Depending on the environment this makes the use of high level access a rare occurrence.

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