**Suplementary**

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| Position of modeled laser beam sensors A, B, C, and thermocouples THCP-01 to 12:  A: X=2.0; Y=0.0; Z=0.2 to X=2.0; Y=1.6; Z=0.2  B: X=2.0; Y=0.0; Z=0.7 to X=2.0; Y=1.6; Z=0.7  C: X=2.4; Y=0.4; Z=0.2 to X=0.0; Y=0.4; Z=0.2  THCP-01 (zone 1) X=0.4; Y=0.4; Z=0.2  THCP-02 (zone 2) X=1.2; Y=0.4; Z=0.2  THCP-03 (zone 3) X=2.0; Y=0.4; Z=0.2  THCP-04 (zone 4) X=0.4; Y=1.2; Z=0.2  THCP-05 (zone 5) X=1.2; Y=1.2; Z=0.2  THCP-06 (zone 6) X=2.0; Y=1.2; Z=0.2  THCP-07 (zone 7) X=0.4; Y=0.4; Z=0.7  THCP-08 (zone 8) X=1.2; Y=0.4; Z=0.7  THCP-09 (zone 9) X=2.0; Y=0.4; Z=0.7  THCP-10 (zone 10) X=0.4; Y=1.2; Z=0.7  THCP-11 (zone 11) X=1.2; Y=1.2; Z=0.7  THCP-12 (zone 12) X=2.0; Y=1.2; Z=0.7 |

A diagram of different types of sensors

AI-generated content may be incorrect.