

Site Requirements

DESCRIPTION

The following works have to be carried out by the Building Side (customer), if not other mentioned in the scope of supply:

- All electrical installation must be protected before the terminal boards by the Building Side according the NEC (NFPA) regulations or adequate national regulations
- The Total Harmonic Distortion (THD) in the power source must comply with the maximum allowed levels given in IEEE 519 (Recommended Practices and Requirements for Harmonic Control in Electric Power Systems). The total THD must be lower than $\pm 8\%$
- The Building Side will provide the main distribution panel including breakers outside of any and all chambers and shielded rooms
- The Building Side will provide connections to the in-feed terminal of all filters and other equipment outside the shielding enclosure
- The Building Side will arrange for all internal electrical distribution based on agreed upon design, as approved during design phase
- The Building Side will provide the power source to electrical controlled equipment (ventilation fans, etc.) in compliance with the project planning department of AP Americas
- The Building Side will provide an earth ground terminal connection point for potential equalization near to the installation site and easily accessible
- The Building Side will deliver and install the grounding cables from the earth ground terminal connection point to each filter panel
- The Building Side will provide compressed air (pressure range 6-8 bar, 90-120psi) for pneumatic control of any equipment (gate, doors etc.) near the related facility
- The Building Side will provide each air pressure delivery connector with $\frac{1}{2}$ inch thread and valve
- The Building Side will provide water sprinklers and connect the water pipes outside the shielding, drops inside and sprinkler heads for fire protection
- The Building Side is responsible for any damage that may occur from fire extinguishing systems
- The building must be designed to allow installation of the chamber. All work to provide this is the responsibility of the Building Side. All finish works around the test facility are also the responsibility of Building Side
- The Building Side is responsible for all required permits; any costs related to design changes required to meet local codes are the responsibility of the Building Side
- Waste disposal services, such as dumpsters or recycling containers, are to be provided by the customer in accordance with any local environmental restrictions or guidelines
- The floor of the host building must be able to bear the complete load (distributed and point load) of the chambers and in addition the weight of the EUT's, measurement equipment and all other installations and equipment built into the chambers
- The installation area must be without building expansion joints
- The floor level deviation for the erecting area of the enclosure must not exceed an unevenness of:

Floor Levelness	
1.5 mm over any length of 1.0m	1/16" over any length of 3 feet
4.5 mm over any length of 4.0m	3/16" over any length of 13 feet
6.0 mm over any length of 10.0m	1/4" over any length of 32 feet
7.5 mm over any length of of 15.0m	5/16" over any length of 50 feet