

Company/Address: _____ Date: _____

Contact: _____

Note: Ideally an up-to-date one-line electrical drawing of the building to be protected facilitates the selection of the proper surge protective devices (SPDs) and helps verify the correct line voltages (Wye/Delta) are identified. Regardless, a complete walk through site survey of the facility is recommended to ensure all critical locations are identified and targeted for surge protection. This includes the electrical switchgear at the service entrance, all distribution panels and critical branch panels, as well as key point of use locations including but not limited to the datacenter and UPS equipment, automatic transfer switches and generators, security cameras and recording devices, fire alarm and annunciation equipment, telecom and network closets/racks, industrial and factory automation equipment, and HVAC heating and cooling systems. In addition, protection for all copper conductors that penetrate the structure should be considered for full facility protection.

IEEE EMERALD BOOK RECOMMENDED LOCATIONS

- Y N Service Entrance (8.6.3) SPD *If none present, note for follow-up and proper sizing later.*
- Y N Distribution Panels (8.6.4) SPD *If none present, note for follow-up and proper sizing later.*
- Y N Critical Branch Panels (8.6.4) SPD *If none present, note for follow-up and proper sizing later.*

Service Entrance

(ID: _____) Voltage (Wye/Delta)? _____ Panel rating? _____

Comments: _____

Main Distribution Panel(s)

(ID: _____) Voltage (Wye/Delta)? _____ Panel rating? _____

(ID: _____) Voltage (Wye/Delta)? _____ Panel rating? _____

Comments: _____

Critical Branch Panel(s)

(ID: _____) Voltage (Wye/Delta)? _____ Panel rating? _____

(ID: _____) Voltage (Wye/Delta)? _____ Panel rating? _____

(ID: _____) Voltage (Wye/Delta)? _____ Panel rating? _____

(ID: _____) Voltage (Wye/Delta)? _____ Panel rating? _____

Comments: _____

OTHER KEY POINT-OF-USE LOCATIONS

- Y N UPS input & bypass (8.6.5) SPD *If none present, note details for follow-up and proper sizing.*
- Y N Industrial & Factory Automation Electronic Equipment (8.6.6) SPD *If none present, list appropriate panels requiring or desiring SPD protection or filtering.*
- Y N Automatic Transfer Switch input (8.6.8) SPD *If none present, note details for follow-up.*
- Y N AC units including condensers and dry coolers (8.6.8) SPD *If none present, note details for follow-up.*

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OTHER KEY POINT-OF-USE LOCATIONS (continued)

Y N Each electrical conductor penetrating a structure (8.6) SPD *If none present, note for follow-up and proper sizing later*

OTHER PANELS/POINT-OF-USE LOCATIONS

UPS input & bypass or generators: _____

ID: _____) Voltage (Wye/Delta)? _____ Panel rating? _____

Industrial & Factory Automation Electronic Equipment: _____

(ID: _____) Voltage (Wye/Delta)? _____ Panel rating? _____

Automatic Transfer Switch input: _____

(ID: _____) Voltage (Wye/Delta)? _____ Panel rating? _____

AC units including condensers and dry coolers (HVAC equipment): _____

(ID: _____) Voltage (Wye/Delta)? _____ Panel rating? _____

Each electrical conductors that penetrate the building structure: _____

(ID: _____) Voltage (Wye/Delta)? _____ Panel rating? _____

OTHER POSSIBLE CONTROL PANELS

Recording devices: _____

(ID: _____) Voltage (Wye/Delta)? _____ Panel rating? _____

Fire alarm panels: _____

(ID: _____) Voltage (Wye/Delta)? _____ Panel rating? _____

Telecom panel: _____

(ID: _____) Voltage (Wye/Delta)? _____ Panel rating? _____

Network closet/racks: _____

(ID: _____) Voltage (Wye/Delta)? _____ Panel rating? _____

Other mission critical equipment: _____

(ID: _____) Voltage (Wye/Delta)? _____ Panel rating? _____

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