

SECTION 16675

TRANSIENT VOLTAGE SURGE SUPPRESSION

1. PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Transient Voltage Surge Suppressors.
- B. Grounding and Bonding for Transient Voltage Surge Protection.

1.2 REFERENCES

- A. ANSI/UL1449 -Transient Voltage Surge Suppressors.
- B. ANSI/IEEE C62.41-1980.

1.3 SUBMITTALS

- A. Submit shop drawings and product data under provisions of Section 01300 - Submittals.
- B. Submit manufacturer's installation instructions under provisions of Section 01300 - Submittals.

1.4 PROJECT RECORD DOCUMENTS

- A. Submit Project record documents under provisions of Section 01700 – Contract Closeout.
- B. Accurately record actual locations of TVSS equipment, bonding connections, and routing of system conductors.

1.5 QUALIFICATIONS

- A. Manufacturer: Company specializing in Transient Voltage Surge Suppressor equipment with minimum three years experience.

2. PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Main Distribution Panel TVSS
  - 1. Innovative Technology Model # PTE 640 1S101.
- B. Lighting Panel TVSS at Detention Area E Outlet Control Structure
  - 1. Innovative Technology Model # PTE 640 3Y201.
- C. Lighting Panel TVSS all other locations
  - 1. Innovative Technology Model # PTE 640 1S01.

- D. Incoming Telephone Line
  - 1. Innovative Technology Model # PIU-2/RJ11.
- E. Incoming Cable Line
  - 1. Black Box Model # SP517A.
- F. Substitutions: Under provisions of Section 01600 – Material and Equipment.

### 3. PART 3 EXECUTION

#### 3.1 EXAMINATION

- A. Contractor to verify that surfaces are ready to receive Work.
- B. Beginning of installation means Contractor accepts existing conditions.

#### 3.2 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Provide inline fusing with TVSS units.

END OF SECTION