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The Electrical Trades Preferred Manufacturers List identifies manufacturers and suppliers who are known to provide good quality products, meet specification and schedule requirements, provide technical support, and provide service after the sales. This list is intended to regulate product quality, standardize electrical designs, and simplify maintenance activities. It is not intended to limit competition. It is not all inclusive. It is a list of manufacturers whose products are well known to the University due to their frequent and successful use.

This List shall be used by A/E’s when selecting manufacturers for specification in electrical designs. **A/E’S SHALL SPECIFY ONLY THE LISTED MANUFACTURERS THAT MEET THEIR PROJECT’S REQUIREMENTS, AND SHOULD SPECIFY A MINIMUM OF THREE MANUFACTURERS WHenever possible.** A/E’s may specify manufacturers not on this list to satisfy project requirements, **BUT ONLY AFTER OBTAINING UNIVERSITY APPROVAL IN ADVANCE.**

This List shall **NOT** be used by Contractors to justify making substitutions for products specified in the construction documents. **CONTRACTORS SHALL PROVIDE THE PRODUCTS SPECIFIED IN THE CONSTRUCTION DOCUMENTS UNLESS THE UNIVERSITY APPROVES THEIR PROPOSED SUBSTITUTIONS AT THE TIME OF BID IN ACCORDANCE WITH THE PROJECT’S STANDARD GENERAL CONDITIONS.**

**BASIC ELECTRICAL REQUIREMENTS**

**Conduits, Raceways and Accessories**

EMT, liquid-tight flexible metallic conduit, and/or non-liquid-tight flexible metallic conduit/raceway; plus associated accessories, fittings, junction and pull boxes, and related products
Products of all manufacturers are acceptable as long as they are electro-
galvanized steel, have a smooth interior, and are NRTL labeled for the 
application.

Rigid (galvanized metal), and IMC (intermediate metal) conduits/raceway, plus 
associated accessories, fittings, junction and pull boxes, and related products
Products of all manufacturers are acceptable, as long as they are hot-dipped 
galvanized steel inside and out, have a smooth interior, and are NRTL labeled for 
the application. Boxes shall be cast, not formed. IMC may only be used when tools specifically designed 
for IMC are used.

PVC conduit/raceway (Type DB, Schedule 40, and Schedule 80, plus associated 
accessories, fittings, junction and pull boxes, and related products
Products of all manufacturers are acceptable as long as they are sunlight resistant, 
and NRTL labeled for the application. Products from manufacturers making both 
the conduit and the fittings are preferred whenever possible.

Fiberglass Reinforced Epoxy (FRE) conduit/raceways, accessories, fittings, 
and related products
FRE
Champion

Electrical Enclosures
Carlon (For use with PVC raceways)
Hammond
Hoffman
Park Metal
Rittal

Fire Stop Compounds
A. D. Fire Protection Systems
Flame Safe
Hilti
Nelson
STI SpecSeal
3M Company

Structural Support Materials
Aickinstrut (Fiberglass)
B-Line
Champion (Fiberglass) Hilti
Powerstrut
Unistrut

Surface and Underfloor Wireways
Carlon
Hubbell
Legrand Evolution Floor Boxes
Legrand (Wiremold)
Mono-Systems
Panduit

**UNDERGROUND SERVICES**

**Underground Hand Holes, Junction Boxes and Pull Boxes**
- CDR Systems
- Carson-Brooks
- Quazite

**MEDIUM - VOLTAGE CABLES**

**Cables (Medium Voltage)**
- General Cable
- Kerite
- Okonite
- Prysmian

**Cable Splices for Medium Voltage Cable**
- Raychem

**Cable Terminations for Medium Voltage Cable**
- Raychem

**LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS**

**Cables and Wire (600 Volts)**
- Aetna Wire and Cable
- Alan Wire
- American Insulated Wire
- Cerro Wire
- Encore
- General Cable
- Republic Wire
- Rockbestos-Surprenant
- Service Wire
- Southwire
- United Copper Industries

**MC Cables (600 Volts)**
- AFC
- Encore
- Kaf-Tech
- Rockbestos-Surprenant
- Service Wire
- Southwire
- United Copper Industries
2-Hour Fire Rated Cables (600 Volts)
   Lifeline by Drake USA
   VITALink by Rockbestos-Surprenant

Control Cables and Wire
   Belden

Cable Trays for Electrical Systems
   Cable Trays - Center Spline and Wall Mount Types (Use only where ladder and wire basket trays can not be used, and only with ITCS (Campus projects) or MCIT (UMHHC projects) approval)
   B-Line
   Legrand/Wiremold
   Mono-Systems
   Thomas & Betts

   Cable Trays - Ladder Type
   B-Line
   Chalfant
   Cope
   Globetray (GS Metals) Husky
   Legrand Cablofil
   Mono-Systems
   Thomas & Betts

   Cable Trays – Wire Basket Type (Use only with ITCS (Campus projects) or MCIT (UMHHC projects) approval)
   B-Line
   Chalfant
   Legrand Cablofil
   EZTray
   Mono-Systems

Wiring Devices
   Dimmer Switches
   Leviton (Incandescent type only)
   Lithonia (Incandescent and fluorescent types)
   Lutron (Incandescent and fluorescent types)

   Occupancy Sensors (Infrared, Combination Infrared/Microphonic Dual Technology and Combination Infrared/Ultrasonic Dual Technology)
   Hubbell
   Leviton
   Lutron
   Sensor Switch
   Tork
   Watt Stopper
Pin & Sleeve Connectors Crouse-Hinds
Hubbell
Killark
Leviton
Pass & Seymour

Power Poles
Hubbell
Mono-
Systems
Steelcase
Wiremold

120-volt, 20-ampere Receptacles (GFCI, Hospital Grade, TVSS & Child Resistant)
Bryant
Cooper (Arrow Hart)
Hubbell
Leviton
Pass & Seymour

120-volt, 20-ampere Receptacles and Plugs
Bryant
Arrow Hart (Cooper)
Hubbell
Leviton
Pass & Seymour

Special Power Receptacles and Plugs
Bryant
Arrow Hart (Cooper) Hubbell
Leviton
Pass & Seymour

USB Charging Port Receptacles
Leviton
Hubbell

120/277 Volt, 20-Ampere Light Switches
Bryant
Arrow Hart
(Cooper) Hubbell
Leviton
Pass & Seymour

Cord Reels
Appleton
Hubbell

October 18, 2013
ENGINE-GENERATOR SYSTEMS

Natural Gas Fired Engine-Generator Sets (Only those which require inlet gas pressures of 14 inches of water column or less)
- Caterpillar
- Cummins
- Generac Industrial Power (up through 300 kW)
- Kohler
- Olympian

Automatic and Manual Transfer Switches (Open and Closed Transition Types)
- ASCO
- Cummins
- Eaton/Cutler-Hammer
- GE Zenith Controls
- Kohler

Automatic Transfer Switches (Soft-Loading Type)
- ASCO
- Eaton/Cutler-Hammer
- Kohler

Resistive Load Banks
- Avtron
- Sephco
- Simplex

STATIC UNINTERRUPTIBLE POWER SUPPLY

Batteries
- C & D Technologies
- Chloride Plante
- Enersys
- Johnson Controls

Battery Chargers
- LaMarche
- SCI Enersys
- C & D Technologies
- Hi-Tran

Uninterruptible Power Supply Systems (Battery type)
- A.P.C.
- Best (Individual small load units only) Controlled Power
- Liebert
- MGE
Mitsubishi (Totally solid-state) Toshiba

**Rotary UPS Systems**
Designed Power Solutions International (DPSI)

**SECONDARY UNIT SUBSTATIONS**

**Non-Current Limiting Fuses (Primary)**
- S & C Type SM-5SS (With high interrupting capacity adapter)
- Eaton/Cutler-Hammer Type RBA-400 (With high interrupting capacity adapter)

**Current Limiting Fuses (Primary)**
- Ferraz-Shawmut, Type CL-14
- Eaton/Cutler-Hammer Type CLE General
- Electric Type EJO

**KWHR/Demand Meters**
- E-MON D-MON (no other manufacturers shall be accepted)

**15 kV Fused and Unfused Primary Switches (5kV rated switches may only be used for 5 kV (4,160 volt) class motors)**
- Eaton/Cutler-Hammer
- Powercon
- Square D

**15kV Metal Clad Switchgear and/or Circuit Breakers (5kv rated circuit breakers may only be used for 5 kV (4,160 volt) class motors)**
- Eaton/Cutler-Hammer
- General Electric
- Square D

**Circuit Breakers for 600-volt Class Secondary Switchgears and Switchboards**
- Asea Brown Boveri
- Eaton/Cutler-Hammer General
- Electric Square D

**Transformers**
- Asea Brown Boveri
- Eaton/Cutler-Hammer
- General Electric
- MGM
- Olsun
- Square D

**Substation Assemblers (Using components from Preferred Manufacturers only)**
- Controlled Power Corporation
- Eaton/Cutler-Hammer
**Bus Ducts**
- Eaton/Cutler-Hammer
- General Electric
- Siemens
- Square D

**Fuses (600 Volts and Below)**
- Bussmann
- Ferraz-Shawmut
- Littelfuse

**Surge Protective Devices**
- Current Technology
- Eaton/Cutler-Hammer-Tycor
- Intermatic (For protection of individual loads and receptacle panels only)
- L.E.A. Dynatech
- Leviton (For protection of individual loads and receptacle panels only)
- Liebert
- Square D

**Switchboards, Panelboards and Circuit Breakers**
- Eaton/Cutler-Hammer (confirm on shop drawings)
- General Electric
- Industrial Electrical Manufacturing (For custom and retrofit applications only)
- Siemens
- Square D

**Time Switches**
- Intermatic
- Paragon
- Sangamo
- Tork

**Transformers (Liquid Filled and Dry Pad-Mounted Type)**
- Eaton/Cutler-Hammer
- General Electric
- Olsun Electrics
- Pennsylvania
- Pioneer

**Transformers (Distribution Dry Type)**
- Acme
- Eaton/Cutler-Hammer
- General Electric
Hammond Power Systems
Hevi-Duty
MGM
Olsun Electrics
Siemens
Square D

GROUNDING

Ground Connections
Burndy Hyground (Proper dies must be used)
Cadweld
Thermoweld
Thomas & Betts Blackburn (Above grade only)

MOTOR CONTROLS

Capacitors for Power Factor Correction
Aerovox
Eaton/Cutler-Hammer
General Electric
Myron Zucker
Siemens
Square D

Motor Controls (MCC’s, Starters, Contactors, Disc. Switches and Control Devices)
Allen-Bradley
Eaton/Cutler-Hammer General
Electric
Siemens
Square D

Motor Starters (Electronic Soft Starter Type)
Allen-Bradley
Eaton/Cutler-Hammer
Sprecher & Schuh

INTERIOR & EXTERIOR LIGHTING

Ballasts (Electronic Compact Fluorescent)
Advance Smart Mate
Aculite
Lightolier
Prescolite

Ballasts (Electronic Rapid Start T-8 Fluorescent)
Advance Optanium
Bodine (For emergency lighting only)
Osram/Sylvania Quicktronic Professional
Universal AccuStart

Ballasts (Electronic Dimming T-8 Fluorescent)
Advance Mark X (5% dimming type)
Lightolier (1% dimming type)
Osram/Sylvania (10% dimming type)

**Emergency Power Ballasts (Electronic Rapid Start T-8 Fluorescent)**
- Bodine (For emergency lighting only)
- Lithonia

**Ballasts (H.I.D.)**
- Advance
- Universal

**Dimming Systems**
- AMX
- Crestron Electronic, Inc.
- E.T.C.
- Lithonia
- Strand (Stage lighting only)
- Leviton (Small single room systems only)
- Lutron

**Emergency Lights Chloride Dual-Lite Emergi-Lite**
- Exide Lightguard
- Lightalarms
- Lithonia
- Sure-Lites

**Exit Signs (LED)**
- Chloride
- Dual-Lite
- Emergi-Lite
- Exide Lightguard Lightalarms
- Lithonia
- LSI Industries
- Morlite (High abuse areas) (Philips)
- Prescolite
- Sure-Lites

**Lamps**
- General Electric Ecolux Philips
- Alto Osram/Sylvania Ecologic
- Venture (H.I.D. only)

**Lighting Fixtures (LED and Fluorescent)**
- Alkco (Philips)
- Bartco
- Columbia
- Day-Brite (Philips)
- Fail-Safe (Cooper)
- Finelite
- Kirlin
- Lightolier (Philips)
- Linear Lighting
- Lithonia (Acuity)
- LSI Industries
- Cooper (Metalux)
Focal Point Peertess (Acuity)
Guth (Philips) Prudential
Harris Quality (Philips)
Holophane (Acuity) Visa
Hubbell Williams
Keene Zumtobel
Kenall

**Lighting Fixtures (H.I.D.)**
- Best Hubbell
- Crouse-Hinds (Cooper) Kenall
- Day-Brite (Philips) Lightolier (Philips)
- Fail-safe (Cooper) Lithonia (Acuity)
- General Electric LSI Industries
- Guth (Philips) Lumark (Cooper)
- Harris McGill
- Holophane Quality (Philips)
- SPI

**Lighting Fixtures (Compact Fluorescent and Incandescent)**
- Globe Lightolier (Philips)
- Gotham (Acuity) Lithonia (Acuity)
- Halo LSI Industries
- Harris Omega (Philips)
- Kenall Prescolite (Hubbell)
- Kirlin Quality (Philips)
- Swivelier

**Lighting Fixtures (Outdoor Parking Lot and Roadway with poles by fixture supplier)**
- Gardco
- Holophane
- Lithonia Hi-Tek
- LSI Industries
- McGraw-Edison
- Sterner
- Wide-Lite (Philips)

**Lighting Fixtures (Outdoor Pedestrian Area with poles by fixture supplier)**
- Lumec

**Photoelectric Lighting Controls**
- Crouse-Hinds
- Holophane
- Hubbell Intermatic Tork

**LIGHTNING PROTECTION**
FIRE ALARM SYSTEMS

Fire Alarm Systems
Simplex Time Recorder (through Simplex/Grinnell)

INTRUSION DETECTION SYSTEMS

CARD ACCESS CONTROL SYSTEMS

CLOCKS AND CLOCK SYSTEMS

Central Clock Systems
Primex (GPS synchronous wireless)

Clocks (Battery Powered)
Primex (GPS synchronous wireless)

SPECIAL COMMUNICATIONS SYSTEMS

ELECTRICAL ACCEPTANCE TESTS