

**ELECTRICAL TRADES PREFERRED
MANUFACTURERS LIST**

October 2013

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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

Carlson (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

Carlson

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

ColemanCABLE 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

Reel-O-Matic Systems
Woodhead

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
Energys
Johnson Controls

Battery Chargers

LaMarche
SCI Energys
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

General Electric
Square D

SERVICE AND DISTRIBUTION

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)	Kirlin
Bartco	Lightolier (Philips)
Columbia	Linear Lighting
Day-Brite (Philips)	Lithonia (Acuity)
Fail-Safe (Cooper)	LSI Industries
Finelite	Cooper (Metalux)

Focal Point
Guth (Philips)
Harris
Holophane (Acuity)
Hubbell
Keene
Kenall

Peerless (Acuity)
Prudential
Quality (Philips)
Visa
Williams
Zumtobel

Lighting Fixtures (H.I.D.)

Best
Crouse-Hinds (Cooper)
Day-Brite (Philips)
Fail-safe (Cooper)
General Electric
Guth (Philips)
Harris
Holophane
SPI

Hubbell
Kenall
Lightolier (Philips)
Lithonia (Acuity)
LSI Industries
Lumark (Cooper)
McGill
Quality (Philips)

Lighting Fixtures (Compact Fluorescent and Incandescent)

Globe
Gotham (Acuity)
Halo
Harris
Kenall
Kirlin

Lightolier (Philips)
Lithonia (Acuity)
LSI Industries
Omega (Philips)
Prescolite (Hubbell)
Quality (Philips)
Swivelier

Lighting Fixtures (Outdoor Parking Lot and Roadway with poles by fixture supplier)

Gardco
Holophane
Lithonia Hi-Tek
LSI Industries
McGraw-Edison
Stern
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