

Preferred Vendors and Products - Architectural

| Product | Manufacturer A | Manufacturer B | Manufacturer C | Manufacturer D | Remarks |
|--------------------------------|------------------------|-------------------|---------------------|----------------|--|
| Masonry Repair Anchors | Helifix | Blok-Lok | Simpson Strong Tie | | No Substitutions / Or approved equal for helical stainless steel anchor only. |
| Wedge anchors | Heckman | | | | No Substitutions / Or approved equal for galvanized steel wedge anchor only. |
| Wall Ties | Dur-O-Wall | Homann & Barnard | | | No Substitutions / Or approved equal for adjustable, two-piece, stainless steel anchor only. |
| Flexible Flashing | W. R. Grace | Henry | | | No Substitutions / Or approved equal for self-adhesive sheet flashing only. |
| Damp Proofing Sealers | Sonoborne ProSoCo | Karnak | W. R. Meadows, Inc. | | Or approved equal. No Substitutions / Or approved equal for solvent borne siloxane sealer only. |
| Sheathing | Densglas | | | | Or approved equal. |
| Water Barrier | Henry | | | | Or approved equal. |
| Torch Applied Built-Up Roofing | Siplast | Durbigum | | | No Substitutions / Or approved equal for mod bit roofing only |
| Cover Board | USG Securock | | | | No Substitutions / Or approved equal for cement roof board only. |
| Membrane, Liquid | Hydrotech 6125 | Carlisle CCW-500R | American Permaquik | | No Substitutions / Or approved equal for hot rubberized asphalt only. |
| Membrane, Sheet | CETCO Voltex DS | | | | No Substitutions / Or approved equal for self bonding bentonite only. |
| Damp Proofing Sealers | W. R. Grace ProSoCo | Meadows | Karnak | | Or approved equal. Or approved equal. |
| 45, 60 & 90 Minute Doors | Algoma Hardwoods | Eggers Industries | Vancouver Door | VTI Industries | No Substitutions |
| Cylinders | Medeco | | | | No substitutions |
| Butts | Stanley | McKinney | | | Or approved equal. |
| Electric Transfer Hinge | Von Duprin | | | | Or approved equal. |
| Key Switch | Von Duprin | | | | Or approved equal. |
| Exit Device | Von Duprin | Corbin | | | No Substitutions |
| Locksets & Latches | Corbin | Schlage | Medeco | | No Substitutions |
| Closers | LCN | | | | No Substitutions |
| Closer 180° | Norton | | | | No Substitutions |
| Astragal | Pemko | | | | Or approved equal. |
| Door Stops | Glen Johnson | | | | Or approved equal. |
| Push/Pull | Builders Brass | | | | Or approved equal. |
| Kickplates | Builders Brass | | | | Or approved equal. |
| Thresholds & Weatherstripping | Pemko | | | | Or approved equal. |
| Door Operators (ADA) | Record Doors | | | | No Substitutions |
| Auto-Door Sensors (ADA) | B. E. A. | | | | No Substitutions |
| Door Actuator (ADA) | Largo | | | | Or approved equal. |
| Door Position Switch (CAAMS) | Sentrol | | | | Or approved equal. |
| Door Holders | Rixon | | | | Or approved equal. |

Preferred Vendors and Products - Architectural

| Product | Manufacturer A | Manufacturer B | Manufacturer C | Manufacturer D | Remarks |
|---|--|--|-----------------------|----------------|--------------------|
| Floor Leveling Compound | Ardex | | | | Or approved equal. |
| Fire Extinguisher | Amerex | J. L. Industries | Larsen | | No Substitutions |
| FE Cabinet | J. L. Industries | Larsen | | | No Substitutions |
| CAAMS Micro Control Panel | Casi-Rusco | | | | No Substitutions |
| Input/Output Modules | Casi-Rusco | | | | No Substitutions |
| Card Reader | Casi-Rusco | | | | No Substitutions |
| Power Supply | Alarm-Saf | | | | Or approved equal. |
| CAAMS Contractor/GE/UTC Picture Perfect | RFI Electronics | | | | No Substitutions |
| Keys | Chicago Lock | | | | No Substitutions |
| Governor | Hollister - Whitney | | | | No Substitutions |
| Car Exhaust Fan | Nylube | | | | Or approved equal. |
| Operating Panel | EPCO | | | | No Substitutions |
| Telephone Cabinet | Ramtel Corp. (model RR733-942M) | | | | No Substitutions |
| Intercom | J. Phillips LLC | | | | Or approved equal. |
| Emergency Car Lighting | Nylube (mod EL-SS) | | | | No Substitutions |
| Alarm Bell | Nylube (model ELB-6) | | | | No Substitutions |
| Solid-State Power Supply | Motion Control E.S. | | | | No Substitutions |
| Harmonic Filter | Myron Zucker Co | | | | Or approved equal. |
| (Electric Traction Elev) Solid State Power Supply and Logic Control | I-Box Motion Control engineering System 12 | CEC/Swift Futura | O.Thompson Ultra 2000 | | No Substitutions |
| (Hydraulic Elevators) Solid State Logic Control | Motion Control E.S. PHC 1000 | O. Thompson Microflight Series 90 2000-H | | | No Substitutions |
| Hall Buttons | EPCO | | | | No Substitutions |
| Car Direction Lantern & Sound Signals | C. E. Electronics | | | | No Substitutions |
| Hall Direction Lantern & Sound Signals | C. E. Electronics | | | | No Substitutions |
| Door Hangers and Tracks | MAC | GAL | | | Or approved equal. |
| Door Operators | MAC | GAL | | | Or approved equal. |
| Door Edge Protective Device | Janus Elev Products | | | | Or approved equal. |
| Hoistway Access Switch | EPCO | | | | No Substitutions |
| Custodial hardware | Bobrick | | | | |

Preferred Vendors and Products - Electrical

| Product | Manufacturer A | Manufacturer B | Manufacturer C | Manufacturer D | Remarks |
|--|---|---------------------------|---|----------------|--------------------|
| CMCS system | Allen Bradley PLC-based | Allen Bradley IAS | | | No substitutions |
| generators 175kw and larger | Caterpillar | | | | No substitutions |
| generators smaller than 175kw | Caterpillar | Onan | Kohler | | Or approved equal. |
| transformers | ABB | Square D | GE | Siemens | Or approved equal. |
| TV monitor and camera backbox | Steel City #H2-BD-3/4 1 and #2-GC | | | | Or approved equal. |
| MV connections & terminations | Raychem HVT | 3M Quick Term series 5600 | | | Or approved equal. |
| Splices other than cold shrink | OZ Gedney Series SPKJR | G&W #E74 | Adalet 3AS (PLM) | | Or approved equal. |
| MV connections & terminations | 3M | Elastimold | | | Or approved equal. |
| Approved manufacturers | ASCO-Delta | Russelectric | Cutler Hammer | | Or approved equal. |
| Power circuit breaker | Cutler Hammer Vacuum Breakers (VCP-W) no exceptions | | | | No substitutions |
| Electrical Vaults | Utility VaultCo | Renton Concrete Products | Fog-tite | Quasizte | Or approved equal. |
| Primary Switch | S & C | | | | No substitutions |
| Transformers | ABB | Square D | GE | Siemens | Or approved equal. |
| Local Data Collection Controller | See Standard Specifications | | | | No substitutions |
| Service Meter | See Standard Specifications | | | | No substitutions |
| Sub-Meter | See Standard Specifications | | | | No substitutions |
| SCADA - Multi-Channel Isolated Digital I/O Modbus TCP Module | Advantech e.g. ADAM-6050 | | | | No substitutions |
| test block | GE type PK-2 #6422120G3; type PK2 #6422420G4 | Marathon 1500 | Buss #15149-3 | | No substitutions |
| Switchboards | GE | Siemens | Cutler Hammer | | Or approved equal. |
| Network Relays | Electronic Technology Inc (ETI) | Cutler Hammer MPCV | Other manufacturers shall be approved during the design phase | | No substitutions |
| Breakers | GE MicroVersaTrip PM | CH OPTIM 1050 | or approved equal | | Or approved equal. |

Preferred Vendors and Products - Electrical

| Product | Manufacturer A | Manufacturer B | Manufacturer C | Manufacturer D | Remarks |
|---|--|----------------------------|--------------------------------------|------------------|---|
| Panelboards | CH | GE | Siemens | | Or approved equal. |
| cabinet locks | Corbin TEU-1 | GE 75 | | | Or approved equal. |
| Transfer switches - for UW Class E1 & E2 emergency services | Russoelectric | | | | No substitutions |
| Transfer switches - for UW Class E3 & E4 emergency services & outlying campuses | Russoelectric | | | | No substitutions |
| Features and Accessories part # | 18 specific Russelectric Items | | | | No Substitutions |
| Switchboards | CH | GE | Siemens | | Or approved equal. See FSDG Section 15G in "Mechanical" sheet. |
| Switching Systems | | | | | No Substitutions |
| Centralized | Creston | Douglas | Lutron | | No Substitutions |
| Clocks | Simplex cat# 6310-9231 | | | | No substitutions |
| Bells | Simplex cat# 2902-9501 buzzers | | | | No substitutions |
| Intercom | 3M | Pamex | Valcom | | Or approved equal. |
| Nurse call systems | shall match existing and / or approved by UWMC ops & maintenance | | | | No substitutions |
| Paging | TOA | Dukane | | | Or approved equal. |
| Room Control System | AMX | | | | Or approved equal. |
| audio mixers / amplifiers | TOA 900 preferred by classroom services | | | | Or approved equal. |
| Electrical Engineering Firm for Power System Studies | Power Systems Engineering | Siemens Technical Services | Washington Group International, Inc. | Electrotest Inc. | Or approved equal. |
| Software for short circuit study | SKM Power Tools for Windows | | | | No substitutions |
| Software for coordination study | SKM Power Tools for Windows | | | | No substitutions |
| Electrical Testing Contractor | Siemens Technical Services | Sigma 6 | Electrotest, Inc. | | Or approved equal. |

Preferred Vendors and Products - Mechanical

| Product | Manufacturer A | Manufacturer B | Manufacturer C | Remarks |
|--|----------------------------------|----------------------------|---------------------------|-------------------------------|
| CCW Coils & Heat Exchangers | Delta P Valves | | | No substitutions |
| Bypass Relief Valve | Cash Acme | Kunkel | | Or approved equal. |
| Freeze Protection | Dowtherm HD | | | Or approved equal. |
| CCW valves | TYCO, Vanessa | Weir, Trientric | QUADAX VALVES Inc. | No substitutions |
| Steam Valves | TYCO, Vanessa | Weir, Trientric | QUADAX VALVES Inc. | No substitutions |
| VFDs | Allen Bradeley Powerflex 70 | Danfoss VLT 20X | Yaskawa GPD 506 | No substitutions |
| Steam Condensate | See Standard Specifications | | | No substitutions |
| CCW BTU | See Standard Specifications | | | No substitutions |
| CCW Chilled Water Insertion | See Standard Specifications | | | No substitutions |
| Deduct Water - Cooling Tower, Grey Water | See Standard Specifications | | | No substitutions |
| Deduct Water - Irrigation | See Standard Specifications | | | |
| Natural Gas - Main Utility, 2" and Larger | See Standard Specifications | | | |
| Natural Gas - Main Utility, up to 1.5" | See Standard Specifications | | | No substitutions |
| Natural Gas - Submeter | See Standard Specifications | | | No substitutions |
| Water Treatment Controller | Nalco 3DTRASAR | | | No substitutions |
| DDC control | Siemens Landis Division | Johnson Controls (Bothell) | Alerton by ATS Automation | Sole sourced/No substitution. |
| Wall sensors mounting hardware | Allen | Bristol | | Or approved equal. |
| Actuated dampers | American Warming and Ventilation | Ruskin | Greenheck | Or approved equal. |
| Refrigeration Leak Detection - Control Pnl | Honeywell 301EM control panel | | | No substitutions |
| Refrigeration Leak Detection - Control Pnl | Honeywell 301EMRP-20 remote pnl | | | No substitutions |
| Refrigeration Leak Detection - Sensor | Honeywell 301IRFS gas detector | | | No substitutions |
| Gas Monitors - CO and NO2 sensors for Park | Honeywell E3Point | | | No substitutions |

Preferred Vendors and Products - Exterior Improvements

| Product | Manufacturer A | Manufacturer B | Manufacturer C | Remarks |
|--|------------------------------|-----------------------------|----------------|--------------------|
| Central Control system | Rainmaster | | | No substitutions |
| Controllers | Rainmaster | | | No substitutions |
| Controller enclosure Exterior | Strongbox | | | Or approved equal. |
| Controller enclosure Interior | PWM | | | Or approved equal. |
| Pressure reducing Valves | Watts | Febco | | Or approved equal. |
| Double check valve assembly | Febco | Watts | | Or approved equal. |
| Reduced pressure backflow preventor | Watts | | | Or approved equal. |
| Master Valve | Superior | | | No substitutions |
| Flow sensors | Rainmaster | Badger/Data Industrial | | Or approved equal. |
| Sub-meters | Sensus accuMag | | | No substitutions |
| Zone valves | RainBird | | | No substitutions |
| Ball Valves | KBI | | | Or approved equal. |
| Pop-Up spray, stream spray, bubbler sprinklers | Rainmaster | | | No substitutions |
| Short range sprinklers | Hunter | Toro | MP | Or approved equal. |
| Medium Range Sprinklers | Hunter | MP | Toro 300 | Or approved equal. |
| Long range sprinklers | Hunter | | | Or approved equal. |
| Alternate water delivery | DRIWATER | | | Or approved equal. |
| Swing joints 1/2" - 3/4" | Hunter w/ marlex | | | Or approved equal. |
| Swing joints 1" | Lasco | | | Or approved equal. |
| Quick coupler valves swing joint | Dura | | | Or approved equal. |
| Drip Zone filters | Amiad | | | Or approved equal. |
| Drip Line | Toro | dripline/microline | | Or approved equal. |
| Air relief valve | AVP | | | Or approved equal. |
| Flush Valve | Toro | | | Or approved equal. |
| Temp tree driplines | Buckner | Toro | | Or approved equal. |
| Check valves | Hunter | | | Or approved equal. |
| In-Line PRV | Rainbird | | | Or approved equal. |
| Quick coupler valves | Buckner | Rainbird | | Or approved equal. |
| Shielded flow sensor cable | Rainmaster | Houston Wire | | Or approved equal. |
| Splice Kit | 3M | | | Or approved equal. |
| Filters, dedicated zone | Amiad | | | Or approved equal. |
| Filters, Primary | Amiad | | | Or approved equal. |
| Valve Boxes | Carson | | | Or approved equal. |
| Drain Valves | RainBird | | | Or approved equal. |
| Fire hydrant | Kennedy Model K81A | Mueller Super Centurion 250 | Waterous Pacer | No substitutions |
| Exterior below grade pipe penetrations | Link-Seals | | | Or approved equal. |
| Stormwater treatment rechargeable, media-filled cartridges | Contech Engineered Solutions | | | |
| Exterior below grade pipe penetrations | Link-Seals | | | Or approved equal. |
| Exterior below grade pipe penetrations | Link-Seals | | | Or approved equal. |

| Preferred Vendors and Products - EH&S | | | | | |
|--|----------------------------|---------------------------|-------------------------------------|-------------------------------|-------------------------------|
| Product | Manufacturer A | Manufacturer B | Manufacturer C | Manufacturer D | Remarks |
| | | | | | |
| Fire Extinguisher | Amerex | J. L. Industries | Larsen | | No Substitutions |
| FE Cabinet | J. L. Industries | Larsen | | | No Substitutions |
| | | | | | |
| Fire Alarm Control Panel (Seattle, Bothell, and Tacoma Campuses) | Simplex 4100U/4100ES | | | | Sole source/No substitutions. |
| Cabinet locks | Lock & Corbin Cat. #30 Key | | | | No Substitutions |
| | | | | | |
| Dry Pipe Valve, size 2-1/2" through 6" | TYCO DPV-1 | | | | No Substitutions |
| Pre-Action Deluge Valve, size 1-1/2" through 8" | TYCO DV-5 | | | | No Substitutions |
| Cabinet locks | Lock & Corbin Cat. #30 Key | | | | No Substitutions |
| | | | | | |
| Class II Type A-2 | Baker SterilGARDe series | Labconco Logic Series | Nu-Aire LabGard and CellGard Series | Thermo Scientific 1300 series | No substitutions |
| Class II Type B-1 | Baker models NCB-D Series | Nu-Aire NU-427 Series | | | No Substitutions |
| Class II Type B-2 | Baker BiochemGARDe series | Nu-Aire NU-430 Series | | | No substitutions |
| Conventional Flow | Kewaunee Supreme Air | Labconco Protector models | Mott Sigma Pro | | No Substitutions |
| Low Flow | Kewaunee Supreme Air LV | Labconco Xstream | | | No Substitutions |