


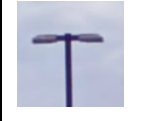

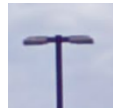





NC State University
 Preferred Manufacturer List
 Compliance with GS 133-3
 6/6/2007 Revised 7/23/12, 1/4/13, 7/6/2016, 11,13,14,15,16


Section	Item	Manufacturer		Comments	Justification
10-00-00	Decorative Bollards	American Bollard and Architectural Iron Company (Milford, PA) Garden City "A" Fluted			Maintenance of campus- wide consistency . Limit number of replacement parts to be stocked. Aesthetic consistency.
12-00-00	Bike Rack	U-Lok Corporation Sunshine U-Lok Wave-Lok Bike Rack in-ground mount black vinyl coated		The rack has 18" spacing of vertical pipes that allows a bike and frame to be locked rather than the front wheel.	Maintenance of campus- wide consistency . Limit number of replacement parts to be stocked. Aesthetic consistency.
12-00-00	Exterior Bench	Country Casual Windermere model		Bench with Back	Maintenance of campus- wide consistency . Limit number of replacement parts to be stocked. Aesthetic consistency.
	Exterior Lighting Fixtures				
	Pedestrian Area Light	KIM Archetype LED Series Fixture: 1SA/SAR3E35/60L4K/VOLTAGE/DB Photocell Receptacle: A-33 (voltage) 12' Pole: KRS12/4120/SAR/SA/DB/UL LABEL Finish: Anodized aluminum, Dark Bronze Pole: Round, Steel, Non-Tapered 7"-8.5" Slotted Bolt Circle			Maintenance of campus- wide consistency in exterior lighting fixture type. Limit number of replacement parts to be stocked. Aesthetic consistency.
	Historic Pedestrian Area Light	Holophane Utility Granville Series Luminaire Fixture: GUV100MHMTZ5NNUH (with up shield) AOL2003 Photocell Receptacle: H Pier Mount Base: PM-CA/DB Barrington Series Pole: B12/20/CI/DB			Single exception allowed to Kim fixture standard to be used at historic buildings only. Consistency of aesthetic and replacement issue.
	Campus Street and Parking Lot Area Light - Single Fixture	KIM Archetype LED Series Fixture: 1A/AR3E35/120L4K/VOLTAGE/DB Photocell Receptacle: A-25 (VOLTAGE) 30' Standard Pole: LTRA30-8156/AR/A/DB/UL LABEL Finish: Round, Anodized aluminum, Tapered. Finish: Dark Bronze. 11" Bolt Circle 30' Banner Pole: PTRS30-81120/AR/A/DB/UL LABEL Pole & Finish: Round, Steel, Tapered, Dark Bronze, Tapered. 10.5" Bolt Circle			Maintenance of campus- wide consistency in exterior lighting fixture type. Limit number of replacement parts to be stocked. Aesthetic consistency.
	Campus Street and Parking Lot Area Light - Double Fixture	KIM Archetype LED Series Fixture: 2B/AR3E35/120L4K/VOLTAGE/DB Photocell Receptacle: A-25 (1 required per double assembly) 30' Standard Pole : LTRA30-8156/AR/B/DB/UL LABEL Finish : Dark Bronze Pole : Round, Aluminum, Tapered 11" Bolt Circle 30' Banner Pole : PTRS30-81120/AR/B/DB/UL LABEL Finish : Dark Bronze Pole : Round, Steel, Tapered 10.5" Bolt Circle			Maintenance of campus- wide consistency in exterior lighting fixture type. Limit number of replacement parts to be stocked. Aesthetic consistency.
	Parking Lot Area Light - Single Fixture	KIM Archetype LED Series Fixture: 1A/AR3E35/120L4K/VOLTAGE/DB Photocell Receptacle: A-25 (VOLTAGE) 35' Standard Pole : LTRA35-8156/AR/A/DB/UL LABEL Finish : Dark Bronze Pole : Round, Aluminum, Tapered 11.5" Bolt Circle 35' Banner Pole : PTRS35-85120/AR/A/DB/UL LABEL Finish : Dark Bronze			Maintenance of campus- wide consistency in exterior lighting fixture type. Limit number of replacement parts to be stocked. Aesthetic consistency.

NC State University
 Preferred Manufacturer List
 Compliance with GS 133-3
 6/6/2007 Revised 7/23/12, 1/4/13, 7/6/2016, 11,13,14,15,16

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	Parking Lot Area Light - Double Fixture	KIM Archetype LED Series Fixture: 1A/AR3E35/120L4K/VOLTAGE/DB Photocell Receptacle: A-25 (VOLTAGE) 35' Standard Pole : LTRA35-8156/AR/A/DB/UL LABEL Finish : Dark Bronze Pole : Round, Aluminum, Tapered 11.5" Bolt Circle 35' Banner Pole : PTRS35-85120/AR/A/DB/UL LABEL Finish : Dark Bronze Pole : Round, Steel, Tapered 11.5" Bolt Circle			Maintenance of campus- wide consistency in exterior lighting fixture type. Limit number of replacement parts to be stocked. Aesthetic consistency.
	Exterior Brick Pavers				
32-00-00	Pedestrian Walks	Pine Hall Brick (Winston-Salem, NC) Pathway Full Range 4" x 8" x 2-1/4"			Maintenance of campus- wide consistency in pavement type. Limit number of replacement pavers to be stocked. Aesthetic consistency.
32-00-00	Heavy Vehicular Traffic	Pine Hall Brick (Winston-Salem, NC) English Edge Full Range 4" x 8" x 2-3/4"			Maintenance of campus- wide consistency in pavement type. Limit number of replacement pavers to be stocked. Aesthetic consistency.
32-00-00	Accessible Curb Ramps	Pine Hall Brick (Winston-Salem, NC) Old Tavern 4" x 8" x 2/1-4"			Maintenance of campus- wide consistency in pavement type. Limit number of replacement pavers to be stocked. Aesthetic consistency.
	Exterior Waste Receptacles				
12-00-00	Waste Receptacle	Petersen Manufacturing Co. (Denison, IA) Avenue series: AVE36 Spun Steel Tapered Lid - 11" diameter opening Color of receptacle and lid: Architectural Bronze			Maintenance of campus- wide consistency in receptacles. Limit number of replacement parts and bags. Aesthetic consistency.
12-00-00	Ash Urn	Petersen Manufacturing Co. (Denison, IA) Spun aluminum dome ash lid with stainless steel snuffer bowl, mounted on top of AVE36 waste receptacle Color: Architectural Bronze			Maintenance of campus- wide consistency in receptacles. Limit number of replacement parts. Aesthetic consistency.
12-00-00	Recycling Receptacle	Petersen Manufacturing Co. (Denison, IA) Avenue series: AVE36R Spun Steel Tapered Lid - 8" diameter opening Color of receptacle: Architectural Bronze Color of tapered lid: Recycling Blue			Maintenance of campus- wide consistency in receptacles. Limit number of replacement parts and bags. Aesthetic consistency.

NC State University
 Preferred Manufacturer List
 Compliance with GS 133-3
 6/6/2007 Revised 7/23/12, 1/4/13, 7/6/2016, 11,13,14,15,16

Section

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Irrigation Controllers	Rain Bird ESP-MC			The controller accommodates NCSU's central irrigation system Maxicon which is being implemented throughout campus to conserve water using Weather and ET data.
Building Directory	Nelson-Harkins Industries (Chicago, IL) Model: D-254 Frame Material: Extruded Aluminum Non-illuminated Clear acrylic lift-off lens 1" high raised GRAV-TAC #248-114 at top Header: UNIVERS RG U&L font Frame Profile: Square Finish: 26077 Dark Bronze acrylic polyurethane Namestrip color: white with black text Mounting: Surface		Contact: Vince Darland nhi@nelson-harkins.com Nelson-Harkins Industries 5301 North Kedzie Ave. Chicago, IL 60625 800-882-8989	Interchangeable components with existing signs, consistent aesthetic and university standard,
Door Access System	Software House CCURE 9000		Supplied and Installed by NCSU Security contractor on all projects.	Provides the required functionality, features and seamless integration with existing campus wide access control system, equipment, CCTV and door hardware equipment.
Electrified Door Access Hardware				
Electrified Mortise Locksets	Best 45HW7DEU Series Finish should be 626 or 628 based on application			Provides the required functionality, features and seamless integration with existing campus wide access control system, equipment, CCTV and door hardware equipment. Limits number of replacement parts stocked and reliability.
Electrified Exit Devices	Von Duprin 99 Series QEL with LX/RX switch and 626 Finish			Provides the required functionality, features and seamless integration with existing campus wide access control system, equipment, CCTV and door hardware equipment. Limits number of replacement parts stocked and reliability.
Wireless Mortise Lockset	Schlage Model AD-400 (Application and installation must be approved by NCSU Security Applications and Technologies)			Provides the required functionality, features and seamless integration with existing campus wide access control system, equipment, CCTV and door hardware equipment. Limits number of replacement parts stocked and reliability.
Door Hardware Power Supplies	Von Duprin PS914, 900-4RL, 900-BBK, 900-KY (all applications) Alternate: Von Duprin PS902, 900-2RS, 900-BBK, 900-KY			Provides the required functionality, features and seamless integration with existing campus wide access control system, equipment and required functionality and equipment connections required.
Electro-mech Transfer Butt Hinge	Sentinel, Stanley or Hager, but must have 10 conductors. Finish should be 626 or 628 based on application.			Integration and capability with existing campus wide access control system, equipment and required functionality. Also limits the number of replacement parts stocked and reliability.
Electric Power Transfer	Von Duprin EPT-10 (continuous hinge application only) Finish should be 626 or 628 based on application.			



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 Compliance with GS 133-3
 6/6/2007 Revised 7/23/12, 1/4/13, 7/6/2016, 11,13,14,15,16

Section

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Mechanical Door Hardware				
Locksets	Best US26D Finish			Limit number of replacement parts that must be stocked to service campus
Closers, Swing Doors	LCN, 629 Finish			Limit number of replacement parts that must be stocked to service campus
Panic Hardware and Strikes	Von Duprin			Limit number of replacement parts that must be stocked to service campus
Fire rated Exit Devices	Von Duprin 626, 628 Finish based on application			Limit number of replacement parts that must be stocked to service campus
Keys	Schlage, Best			Limit number of replacement parts that must be stocked to service campus
Cores	Schlage, Best (in small format interchangeable core only)			
Power Operators	LCN 4630, 4640, Senior Swing 9542, 9531, 629 Finish Alternate: Horton 4500 Series Bottom Access based on application			Limit number of replacement parts that must be stocked to service campus
Doors				
Automated Doors	Record, Hunter		Reduce spare parts inventory	Limit number of replacement parts that must be stocked to service campus
Fire Alarm Controls	FCI Intelligent Addressable Series, Notifier Intelligent Addressable Series, Simplex Intelligent Addressable Series			Compatibility with existing systems and campus 911 center, ease of maintenance of spare parts; staff training; IT system compatibility
Fire Alarm Dialers	Firelite MS-10UD			Functional integration with campus telephone system
Fire Hydrants	Mueller		Reduce spare parts inventory	Reduce spare parts inventory, maintain standard appearance and functionality on campus
Chillers	Trane, McQuay, Carrier, York			Reliability and long term experience by major manufacturers
Cooling Towers (<1000 tons)	Evapco, Marley, BAC			
Steam PRV'S	Spence			Functionality, reliability, maintenance of spare parts
Underground Chilled Water Valves	Mueller, Watts, Vulcan and Apollo		Need dependable, high performance valves for underground direct bury installations.	Reduce spare parts inventory, functionality and reliability
Elevator				
Elevator Controls	Smartrise Controller Traction: C4 Controller Hydraulic: SRI Controller			Non proprietary control system that allows maintenance by any elevator control vendor
Elevator Telephone	Gaitronics Model 297			Compatibility with campus telephone systems, functionality
Digitized Floor Annunciator	CE Electronics, Inc.			
Card Access System	Access Control System- Software House International Card Reader - HID Video - DVTel/ Pelco			





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Steam Conduit Systems	Ricwil, Rovanco, Perma-Pipe, Thermacor			Compatibility with existing systems.
Meters				
Condensate	Niagra Meter with SS construction			Staff knowledge and proven track record of maintenance and performance.
Steam	Micrometer V-cone with carbon steel construction			Staff knowledge and proven track record of maintenance and performance.
Chilled Water	Micrometer V-cone with stainless steel construction			Staff knowledge and proven track record of maintenance and performance.
City Water	Hersey, Badger or AMCO compound style			Staff knowledge and proven track record of maintenance and performance.
Electricity	Nexus 1262			Staff knowledge and proven track record of maintenance and performance.
Generators	Onan, Kohler, Katolight, Caterpillar or Cummins		Proven performance and maintenance by listed manufacturers	Staff knowledge and compatibility with existing inventory. Proven track record of maintenance and performance.
Building HVAC Controls	Johnson Controls, Inc., Schneider Electric		Both Johnson and Schneider must be listed as preferred alts.	Compatibility with existing systems; staff training, compatibility with campus IT system
Telecommunications Components	Wiremold, Leviton, Corning, Cooper B-Line, Superior Essex, Commscope, Gai-Tronics		Manufacturer specific to particular telecom component. Almost all were selected via public RFP process (2010). Matrix of specific sole source items available as part of NCSU University Wirinn Standard, Section 27 06 00 at http://oit.ncsu.edu/physical-layer/uws-3 .	Compatibility with existing systems, staff training, maintenance stock efficiency. End to end system warranties.
Flooring				
Flooring Sealer	Plaza Plus Floor Sealer			Staff knowledge, maintain existing supply inventory, increased durability, lower maintenance needed, functions as Finish and Sealer
Flooring Finish	Johnson diversey Vectra High Performance Floor Finish or Aquaria Floor Finish			Staff knowledge, maintain existing supply inventory, increased durability, lower maintenance needed, functions as Finish and Sealer
Flooring Stripper	Johnson Diversey Freedom Stripper			Staff knowledge, maintain existing supply inventory, More effective at removing finish/sealer, low odor
Toilet and Bath Accessories				
Toilet Tissue Dispenser	Kimberly-Clark PROFESSIONAL Cored JRT Combo Unit Bathroom Tissue Dispenser. Smoked transparent cover. Product #09551. Dimensions: 20.43" X 13.12" X 5.8". Suggested mounting height: 30"		Vendor: UNISOURCE, INC 1070 E Waterfield Di. Garner, NC Office: 919-661-3943	Stocking, replacement parts, and refills
Hand Towel Dispenser	Kimberly Clark/Scott Hands free Jumbo Paper Towel Dispenser Surface Mount Model #9990 Smoked transparent cover, grey body Dimensions: 16.1"X12.6"X10.2" - suggested mounting height: 52"		Vendor: UNISOURCE, INC. 1070 E Waterfield Drive, Garner, NC Office: 919-661-3943	Stocking replacement parts and refills

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Hand Soap Dispenser	GOJO FMX_12 1250 ML Dispenser Model: # 5150-06 Dimensions: 6.25"X5"X10" suggested mounting height: 8" above counter or 52" above floor		Vendor: UNISOURCE, INC. 1070 E Waterfield Drive, Garner, NC Office: 919-661-3943	Stocking replacement parts and refills
Hand Soap Dispenser or Shower Body V	GOJO FMX-20 2000 ML Dispenser Model: # 5250-06 Dimensions: 11.9"X6.8"X5.1" Suggested mounting height: 8" above counter, 52" above floor		Vendor: UNISOURCE, INC. 1070 E Waterfield Drive, Garner, NC Office: 919-661-3943	Stocking replacement parts and refills
Sanitary Napkin Disposal	Bobrick Contura Series Surface-mounted Sanitary Napkin Disposal Model B-270			Customer purchases unit Housekeeping provides Napkin Receptacle Bags
Sanitary Napkin Dispenser	Bobrick Trim line Series Surface Mounted Sanitary Napkin/Tampon Vender Model B2800 with 25 cents operation. Satin Finish Stainless Steel - Suggested mounting height: 19"			Customer purchases unit and pays all refill costs