CAMPUS STANDARDS - MATRIX

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	LACC STANDARD	CAMPUS ALTERNATIVES		
1	IV. 08: OPENINGS			
2	HARDWARE			
3	KEY SYSTEMS	SCHLAGE Everest Primus IC Core, Level 9G Stamp with "Do Not Duplicate"		
4	RIM CYLINDER	SCHLAGE Everest Primus IC Core, Level 9G		
5	DEADBOLTS	SCHLAGE B700 Series		
6	PADLOCKS	Schlage Kryptonite KS		
7	LOCKSETS			
8	RIM EXIT MECHANICAL	VON DUPRIN AX-98 SERIES		
9	RIM EXIT WITH LOCKDOWN	VON DUPRIN PA-AX-98-L-F-2SI-630AM-06 WITH XB13-379 THUMBTURN		
10	RIM EXIT ELECTRIFIED	VON DUPRIN QEL-AX-98 SERIES WITH REX (NO DOGGING)		
11	VERTICAL ROD EXIT	AVOID USING		
12	CYLINDRICAL	AVOID USING		
13	ELECTRIC STRIKE	AVOID USING		
14	MORTISE MECHANICAL	SCHLAGE L9000 SERIES		
15	MORTISE WITH LOCKDOWN	SCHLAGE L9050-L06NL283-711 L583-363		
16	MORTISE ELECTRIFIED	SCHLAGE L9000 SERIES WITH REX (NO THUMBTURN)		
17	DOOR POSITION SWITCH	SEE DIVISION 28		
18	HINGES			
19	BUTT	IVES 3CB1 STAINLESS STEEL		
20	CONTINUOUS	IVES 700 STAINLESS STEEL		
21	ELECTRIC TRANSFER	VON DUPRIN EPT-10C		
22	KEY REMOVOVABLE MULLION POST	(NON FIRE) VON DUPRIN KR4954		
23	RET REMOVOVABLE MOLLION POST	(FIRE RATED) VON DUPRIN KR9954		
24		LCN - 4040XPIN SWINGING		
25	CLOSER	LCN - 4040XP EDA OUT SWINGING		
26	ADA COMPLIANT PEDESTRIAN SWING DOOR OPERATOR	Low Energy Assa Abloy SW200i, Dorma ED250		
27	ANTI VANDAL PULL	Ives VR 900		
28	ARMOR COLLAR/CYLINDER GUARD	KEEDEX K-24		
29	ASTRAGAL	Ives LG		
30	AUTO FLUSH BOLT	Ives FB50, FB60		
31	DOOR STOPS	Ives WS401, Ives FB436/438 for Interior; Ives FB 18S/L for Exterior		
32		Glynn-Johnson 90 series and 100 series for Overhead		
33	KICK PLATE	Ives 8400 series, 12" H X 2' less than door width		
34	MULLION SEAL	NGP, Zero, Reese. Use intumescent at "S" labeled wood door		

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35	PUSH/PULLS	VON DUPRIN
36	SURFACE CLOSER	LCN P4041-H-EDA w/ HOLD OPEN
37	THRESHOLD	РЕМКО
38	WALL ACTUATOR	LCN 8310-853TWP
39	WALL BUMPER	TRIMCO 1270CVPV
40	WEATHERSTRIP	PEMKO 2891S HEAD & JAMBS, ZERO, MCKINNEY
41	WIRELESS RECEIVER	LCN 8310-865
42	DOORS	
43	WOOD DOOR	HALEY BROTHERS, MARSHFIELD DOOR, EGGERS (PRE- CORED WITH 3/4" RACEWAY)
44	SLIDING METAL FIRE DOOR	SMOKE GUARD
	AUTOMATIC SLIDING ALUMINUM FRAMED GLASS DOORS	STANLEY
46	ACCESS DOORS	KARP ASSOCIATES INC. , BAUCO , JL INDUSTRIES
47	EXTERIOR CEILING DOOR	KARP ASSOCIATES INC. COOKSON COMPANY
48	FIRE RATED AUTOMATIC ROOLING SERVICE DOORS	KARP ASSOCIATES INC., COOKSON COMPANY
	INSULATED, ELECTRIC OPERATION, ROOLING SERVICE DOOR	OVERHEAD DOOR CORPORATION
50	OVERHEAD COILING GRILLES	OVERHEAD DOOR, COOKSON, PACIFIC ROLLING DOORS
51	FOLDING DOORS	WON-DOOR
52	ALUMINUM-FRAMED ENTRANCES & STORE FRONT	UNITED STATES ALUMINIUM, KAWNEER, CONTINENTAL
53	GLASS ENTRANCES & STOREFRONT	BRITE VUE BY OLDCASTLE , CONTINENTAL
54	RESTROOM ENTRY DOORS	
	HOLLOW METAL DOORS, MINIMUM	SDI-100 GRADE II MODEL 3, 1 3/4 INCHES THICK.
56	REQUIREMENTS	SDI LEVEL III CURRIES - POLYSTRYRENE 707 CORE
57	HOLLOW METAL FRAMES, MINIMUM REQUIREMENTS	14 GUAGE COLD ROLLED STEEL
	MARBLE THRESHOLDS AT TOILET ROOM ENTRANCES	GROUP "A" MARBLE AS CLASSIFIED BY THE MARBLE INSTITUTE OF AMERICA
59	METAL DOOR LOUVERS (AT RATED OPENINGS)	ANEMOSTAT FLDL-UL-SG2 LOUVER
	METAL DOOR LOUVERS (AT NON-RATED OPENINGS)	ANEMOSTAT PLSL LOUVER
61	WINDOWS	
62	ALUMINUM WINDOWS	ANDERSEN, WAUSAU, MODU-LINE 2250 SIGNATURE SERIES, PELLA
63	WINDOW COVERING	LEVELOR RIVERA
64	DECORATIVE FILMS	3M
65	DIV. 09: FINISHES	

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66	FLOOR/ WALL FINISHES	
67	CARPET	Tandus Or EQUAL
68	RESILIENT FLOORING	Forbo, Armstrong, Mannington
69	CARPET MODULES	Tandus 36X36 (District contract in effect) mold resistant
70	RESILIENT TILES/SHEET FLOORING	Forbo, Armstrong, Mannington
71	HARD SURFACE (GYMNASIUM)	MONDO
72	WALL BASE - RUBBER	Johnsonite, Armstrong, Mannington
73	RAISED FLOORING SYSTEMS	Tate
74	PORCELAIN TILE	DALTILE DIAMANTE 12"X12" COLOR: TBD
75	WALL COVERINGS	Dunn Edwards, Vista Paint, Benjamin Moore
76	PAINT	VISTA PAINT
77		Dunn Edwards
78	Navajo White formula should be Vista formula. Swiss coffee eggshell preferred on all common walls for ease of maintenance. Use stock colors if possible on select areas for ease of maintenance. SCHOOL COLORS: Hyper Blue, Molasses, Crimson Red	Sherwin Williams
79	HIGH PERFORMANCE COATINGS	Vista, Dunn Edwards, Frazee, Master Coating Technologies - Scuffmaster
80	EPOXY FLOORING-(EXTERIOR)	Dex Coat
81	FLOOR MATS/WALK-OFF MATS	TANDUS
82	GRAFFITI RESISTANT COATINGS	CTF (Cal Trans Formula - two component)
83	GRAFFITI RESISTANT FILM	http://www.graffiti-shield.com/
84	SEAMLESS FLOORING	Johnsonite, Armstrong, Mannington
85	VCT	AZROCK, JOHNSONITE, ARMSTRONG
86	RESINOUS FLOORING-EPOXY	Dex Coat (Barn Red on existing)
87	FIBERGLASS REINFORCED PLASTIC PANELS	MARLITE , CRANE , GLASTEEL
88	GENERAL CERAMIC TILE	DAL TILES
89	MOTAR/GROUT	MAPEI
90	CEMENTITIOUS GROUT (FLOOR TILE)	LATICRETE® PERMACOLOR™, OR APPROVED EQUAL.
91	EPOXY GROUT (WALL TILE)	LATICRETE® SPECTRALLOCK® PRO PREMIUM GROUT, OR APPROVED EQUAL.
92	SEALER	WALL TILE AND GROUT SHALL BE SEALED WITH A GRAFFITI RESISTANT, WATERBORNE URETHANE-SILICONE POLYMER COATING, NON-TOXIC, LOW VOC, NON-SACRIFICIAL, MOLD AND MILDEW RESISTANT, TRANSPARENT, UV RESISTANT, AND ABRASION RESISTANT. "SANIGLAZE PROCESS" SYSTEM (WWW.SANIGLAZE.COM)
93	WALL TILE	FIELD TILE AND BASE DALTILE SEMI-GLOSS 4" X 4" , ACCENT TILE, DALTILE SEMI-GLOSS 4"X4"

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94	WATERPROOF MEMBRANE	LATICRETE® HYDRO BARRIER™, OR APPROVED EQUAL.
95	EXTERIOR PLASTER	LA HABRA, HIGHLAND
96	PHOTOVOLTAICS	UNISOLAR, ATLANTIS ENERGY, SHARP SOLAR
97	CEILING SYSTEMS	
98	ACOUSTICAL TILE	ARMSTRONG 1729 FIND FISSURED (RH90, 24" X 48" X5/8"
99	GRID SYSTEM	Armstrong
100	ACOUSTICAL SUSPENSION SYSTEM	ARMSTRONG
101	SOUND-ABSORBING UNITS	AcoustiColor
102	INTERIOR SUSPENDED LIGHTS	PRUDENTIAL , LITHONIA
103	WALL & CEILING ACCESS DOORS	SQUARE FRAMES WITH HINGED LOCKED DOOR
104	DIV. 10: SPECIALTIES	
105	SOAP DISPENSERS	BOBRICK STAINLESS STEEL, BRADLEY
106	PAPER TOWEL DISPENSERS	BOBRICK MODEL B-3706C STAINLESS STEEL SEMI- RECESSED NAPKIN/TAMPON DISPENSER, OR APPROVED EQUAL RECESSED SANITARY NAPKIN DISPOSAL
107	Toilet paper dispensers	NEATSEAT® TOILET SEAT COVER DISPENSER, STAINLESS STEEL, MODEL #FH33SS NEATSEAT;
108	HAND DRYER	Dyson AirBlade V AB12 Sprayed Nickle, Low Voltage 301829-01
109	BATHROOM PARTITIONS	BOBRICK SIERRASERIES® WATER-AND FIRE-RESISTANT SOLID COLOR REINFORCED COMPOSITE TOILET PARTITIONS AND URINAL SCREENS, TRESPA, STAINLESS STEEL
110	RESTROOM ACCESSORIES	BOBRICK, Xlerator, Bradley
111	LOCKERS	Republic, Penco, Lyon
112	STORAGE/TRANSFER	Tyga-Box System or EQUAL
113	MARKER BOARD	ABC SCHOOL SUPPLIES - Magnetic Porcelain
114	TACKBOARDS	ABC SCHOOL SUPPLIES
115	OPERABLE PARTITIONS	WON DOOR
116	WALL AND CORNER GUARDS	CONSTRUCTION SPECIALTIES, INC., BALCO, PAWLING
117	DIAPER-CHANGING STATION	KOALA KARE PRODUCTS MODEL KB-110-SSWM HORIZONTAL WALL MOUNTED STAINLESS STEEL FINISH BABY CHANGING STATION,
118	FOLDING SHOWER SEATS	BOBRICK MODEL B-5181 REVERSIBLE SOLID PHENOLIC FOLDING SHOWER SEAT, OR APPROVED EQUAL.
119	GRAB BARS	BOBRICK 1½" DIAMETER STAINLESS STEEL GRAB BARS WITH SNAP FLANGE, SATIN FINISH, B-6806 SERIES, OR APPROVED EQUAL. (DO NOT USE L-SHAPED TWO-WALL GRAB BARS.)
120	KEYING FOR TOILET ACCESSORIES	BOBRICK KEY #2055
121	LAVATORY SINK (COUNTERTOP):	AMERICAN STANDARD MODEL 0476.028 AQUALYN™ VITREOUS CHINA COUNTERTOP SINK,

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122	LAVATORY SINK (WALL-HUNG, WHERE REPLACING EXISTING WALL-HUNG LAVATORY)	4" CENTERSET WITH CONCEALED ARM CARRIERS:KOHLER KINGSTON K- 2005-0, AMERICAN STANDARD LUCERNE MODEL 0355.012
123	MIRRORS (FRAMED)	SENTRY MIRROR 18"X30"
124	SHOWER CURTAIN HOOKS	BOBRICK MODEL 204-1 STAINLESS STEEL
125	SHOWER CURTAIN RODS	BOBRICK MODEL B-6107 HEAVY-DUTY
126	SHOWER CURTAINS	BOBRICK MODEL 204-3 VINYL SHOWER CURTAIN,
127	SHOWER SOAP DISH	BOBRICK MODEL B-4390 RECESSED HEAVY-DUTY SOAP DISH WITH BAR,
128	TOILET SEATS	BEMIS. SEATS SHALL BE HEAVY WEIGHT AND INJECTION- MOLDED OF SOLID PLASTIC. SEATS SHALL BE OPEN FRONT LESS COVER FOR ELONGATED BOWL AND FEATURE LARGE MOLDED-IN BUMPERS.
129	UNDERSINK PIPING COVERS AT ACCESSIBLE LAVATORIES AND SINKS WITH HOT WATER, ON HOT WATER SUPPLY PIPING AND DRAINS, COMPLYING WITH ADA AND CBC ACCESSIBILITY REGULATIONS.	TRUEBRO® LAV GUARD®2,
	UTILITY SHELF	BOBRICK MODEL B-298 STAINLESS STEEL SHELF, 24" MINIMUM LENGTH X 8" DEPTH,
131	WALL HOOKS (AT TOILET STALLS, AND BELOW OR ADJACENT TO UTILITY SHELVES)	BOBRICK MODEL B-671 SURFACE-MOUNTED SINGLE ROBE HOOK, BRIGHT POLISHED STAINLESS STEEL,
132	WASTE RECEPTACLES (AT STAFF/FACULTY RESTROOMS ONLY)	BOBRICK MODE B-3644 RECESSED WASTE RECEPTACLE,-
133	EMERGENCY RESPONDER LOCK BOX	KNOX BOX 3200 SERIES
134	EVACUATION CHAIR	EVACU- TRAC BY GARAVENTA LIFT
135	REMOVABLE STEEL BOLLARD	CALPIPE SECURITY BOLLARDS, 1-800-BOLLARDS
136	FLEXIBLE BOLLARDS	RELIANCE FOUNDRY, BC CANADA
137	FIRE ALARM SYSTEM	EST3 BY EDWARDS
138	FIRE EXTINGUISHER CABINET W/ LOCK	Potter Roemr
139	FLAGPOLES	MORGAN-FRANCIS CO. INC.
140	DIRECTORIES & BULLETIN BOARDS	GREENSTEEL INC.
141	DIV. 11: EQUIPMENT	
142	FOOD SERVICE EQUIPMENT	Wolf Equipment, Hobart, Dwyer Products
	KITCHEN, APPLIANCES	GE, Samsung, Frigidaire, KitchenAid
144	LOADING DOCK LEVELERS	MECHANICAL TYPE ONLY
145	PROJECTION SCREENS	DA LITE for powered in-ceiling locations. ELITE SRM for manual wall mounted locations
146	PROJECTOR MOUNTS	CHIEF MAUNFACTURING
147	LAB FUME HOOD	HAMILTON
148	DIV. 12: FURNISHINGS	

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149	WINDOW SHADES	MECHO-SHADE CORP
150	METAL LAB CASEWORK	KEWAUNEE SCIENTIFIC
151	LAMINATED CASEWORK	KEWAUNEE SCIENTIFIC
152	WOOD LAB CASEWORK	KEWAUNEE SCIENTIFIC
153	BLEACHERS	
154	INTERIOR, GYMNASIUM	Irwin Telescopic
	Exterior, Gym	Sturdisteel, Southern Bleacher Company
156	WINDOW COVERING	
157	SOLAR SHADE	Mecho Shade, Levolor, SunTex by Phifer
158	BLINDS - VERTICAL/ HORIZONTAL	DO NOT USE
159	BIKE PARKING RACK	PARK A BIKE , PEAK RACKS
	MODULAR STRUCTURES	Williams Scotsman, Aurora
	DIV. 14: CONVEYING EQUIPMENT	
162	STANDARD ELEVATORS	Otis, Mitsubishi
163	CONTROLLER	MOTION CONTROLSCONTROLLER CANNOT BE PROPRIETARY
164	ELEVATOR DOORS Graffiti proof interior	GAL DOOR EQUIPMENT
165	ELEVATOR CAB LIGHT FIXTURE	ERIM FIXTURES
166	WHEELCHAIR LIFTS	Garventa
167	EXIT STAIR EVACUATION CHAIRS	Garaventa Evacuation chairs, EVACU-TRAC CD7 or better
	HYDRAULIC ELEVATORS	Otis
	DUMBWAITER	MATOT, TL SHIELD
	DIV. 21: FIRE SUPPRESSION	
	HYDRANTS	James Jones, Clow Valve
	DIV. 22: PLUMBING	
	PIPE	
174	DOMESTIC, /POTABLE	C900 Blue, Copper K, #80 PVC
175	UNDERGROUND WATER IRRIGATION PIPING	Schedule 40 and schedule 80 PVC 1/2" to 3" CVPC clorinated polyvinyl
176	UNDERGROUND SANITARY PIPING	Cast iron, CISPI 301
177	ABOVE GROUND SANITARY PIPING	Cast Iron Tyler Pipe /DWV Copper
178	PIPE TUBING AND FITTINGS	C-900 Mega Lug FTGs Approved CI Conn Flange
179	STEEL PIPE FUEL GAS/NATURAL GAS	Black Schedule 40 indor only with similar fittings
180	STEEL PIPE WATER OR AIR	Galvanized Domestic only - No Substitute, or black schedule 40 for air
181	BRASS PIPE	 Red Brass, Schedule 40 lead free
182	COPPER TUBING	 Type "K" below grade or Type "L" above grades only
183		No "M" except for condensate lines

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184	PLUMBING FIXTURES	
185	TOILET FIXTURES (Low Flow, Viterous China)	American Standard, Kohler, Sloan
186	SINKS	American Standard, Kohler, Falcon
187	Stop Fittings	Chicago Faucets model 1013-ABLP
188	KITCHEN SINKS	Elkay, Kohler
189	SERIVCE SINKS	American Standard, Zurn, Kohler, Chicago
190	URINALS (Low Flow)	American Standard, Sloan, Kohler
191	URINALS (Waterless)	NONE
192	FAUCETS	Chicago-automatic or manual, American Standard, Kohler
193	FLUSH VALVES - TOILETS, URINALS	Sloan only - manual or sensor - no zurn
194	DOMESTIC WATER HEATER	Bradford White, A.O. Smith,
195	CIRCULATING PUMP	Grundfos with equal times, Bell and Gossett
196	PLUMBING VALVES AND ACCESSORIES	
197	GENERAL	Nibco, domestic product only
198	EXPANSION TANKS	AMTROL
199	BACKFLOW PREVENTERS	Febco, Watts, Wilkins
200	CLEAN OUTS	J.R. Smith, Zurn, NIBCO
201	FLOOR DRAINS	J.R. Smith, Zurn, MIFAB
202	TRAP PRIMERS	MIFAB
203	ROOF DRAINS	J.R. Smith, Zurn, Josam
204	BALL VALVES	NIBCO (Brass, Full Port) Accorn
205	GATE VALVES	NIBCO (Union Bonnet, Raised Stem) Accorn
206	GLOBE VALVES	NIBCO (Brass)
207	CHECK VALVES	NIBCO (Brass)
208	VALVES(WATER, BELOW GROUND)	Stockham (Cast Iron Flanged AWWA with operating unit), Clow
209	Backwater	Zurn, J.R. Smith
210	Drain Pumps	Swaby, Weil Pump, PACO, Peerless
211	Drainage	J.R. Smith, Zurn
212	CHECK VALVES - 4" Ø or larger	Combraco, Zurn, Milwaukee
213	Drainage System	Zurn, J.R. Smith
214	Electric Self regulating T&M Cable	Raycem Corp
215	Trench Funnel Drains	Stockham Valves & Fittings Co.
216	Hose Bibb Box	Stainless steel recessed w/ loose key handle ACORN 8141/8102
217	Piston Water Hammer	MIFAB MWA Series
218	Shower heads & Faucets	Symmons, Delta
219	Boiler	Lockinvar, Raypack
220	EMERGENCY EYEWASH & SHOWER	

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221	EMERGENCY EYEWASH & SHOWERS		Haws, Bradley, Encon			
222	WATER FOUNTAINS					
223	DRINKING		ElKay EZH2O			
224	DIV. 23: HEATING, VENTILLATION & AIR COND	ITIO	NING (HVAC)			
225	A/C UNITS, ROOF MOUNTED		Trane, Carrier, York			
226	A/C UNITS WALL MOUNTED		Bard			
227	AIR HANDLERS – CUSTOM		Trane, Mc Quay, Carrier			
228	AIR HANDLERS		Trane, Mc Quay, Carrier			
229	HVAC HYDRONIC CONTROL VALVE		Belimo			
230	HVAC HEATING & COOLING CONTROL VALVE		Belimo PICCV two way with reversing switch			
231	HVAC HYDRONIC PIPE FLANGE ADAPTER CONNECTIONS		ΟΜΝΙ			
232	MOTORS		Baldor, GE, AO Smith			
233	PUMPS		Armstrong, Bell & Gossett, TACO			
234	COOLING TOWERS		Baltimore Air Coil, Marley			
235	OTHER FILTERS		3-M, Florence Filter, Trident Filtering Sys			
236	BOILER CONTROLS-HOT WATER		Honeywell, White Roger			
237	BOILER CONTROLS-STEAM		Mc Donnell Miller			
238	FAN COILS DX		Trane, York, Carrier			
239	COMPUTER ROOM AC UNITS		Daikin, Data Air, L.G.			
240	CHILLED WATER FAN COILS		Trane, Mc Quay, York			
241	AIR COOLED CHILLER		Carrier, Trane, York			
242	CENTRIFUGAL WATER-COOLED CHILLER		York, Trane, Carrier			
243	SCREW-TYPE AIR COOLED CHILLER		Trane, York, Carrier			
244	SCREW-TYPE WATER COOLED CHILLER		Trane, York, Carrier			
245	SCROLL-TYPE AIR COOLED CHILLER		Trane, York, Carrier			
246	CHILLER-GENERAL		Trane, York, Carrier			
247	ABSORBTION CHILLER		Trane, York, Thermax.			
	OTHER ABSORBTION CHILLER		SUN			
249	VENTILATORS AND EXHAUST FANS		Greenheck, Broan.			
	FIRE SMOKE DAMPER		Belmo w/ end switch to communicate to EMS			
	VARIABLE FREQUENCY DRIVES		ABB, Graham, Danfoss.			
252	HYDRONIC PIPIING		Carbon Steel, Sch 80 Insulated PVC Perma Pipe			
253			Thermacor, Rovanco			
	AIR CONIDITIONING THERMOSTAT		HONEYWELL			
255	THERMOSTAT LOCK BOX		Honeywell, White Roger, Grainger			
256	Motor Controls		ABB, G.E.M.C.			

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257	DIV. 25: INTEGRATED AUTOMATION			
258	ENERGY MANAGEMENT SYSTEM	Niagara Network, Trane, Honeywell		
259	DIV. 26: ELECTRICAL			
260	ELECTRICAL FIXTURES			
261	INTERIOR LIGHT FIXTURES(LED), Fluoresces No	PRUDENTIAL, LITHONIA, LIGHTOLIER, HE WILLIAMS		
262	incandesce light fixture	MUST MEET DLC & ENERGY STAR REQUIRMENTS (T-8 TUBES, LED)		
263	CONNECT WITH EMERGENCY LIGHTS	ALERTRON TO EMERGENCY GRID		
264	EXIT SIGNS	LED, NUK		
265	ELECTRONIC WALL CLOCKS	PRIMEX WIRELESS		
266	INTERIOR SUSPENDED LIGHTS	PRUDENTIAL, LITHONIA		
267	LIGHTING/INDOOR-OUTDOOR			
268	VANDAL PROOF LIGHTING FIXTURES	LED by RUUD LIGHTING/CREE, MATALUX, KIM LIGHTING		
269	LANDSCAPING FIXTURES			
270	EXTERIOR LIGHTS-PARKING LOT	KIM LIGHTING LED, HUBBELL MH		
271	LIGHT SENSORS	LUTRON, LEVITON, "WATT STOPPER"		
272	PARKING LOT	KIM LIGHTING, PRUDENTIAL, GULLWING LED		
273	ATHLETIC FIELD	MUSCO, MORRIS, LITHONIA		
274	ELECTRICAL EQUIPMENT			
275	MAIN SWITCHBOARD	G.E., SQUARE D, CUTLER-HAMMER		
276	MAIN DISTRIBUTION SWITCHBOARDS	G.E., SQUARE D, CUTLER-HAMMER		
277	DRY TYPE TRANSFORMERS	MGM, HAMMOMD. GE		
278	MAGNETIC MOTOR STARTERS	ALLEN BRADLY, FURNAS, SQUARE D, GE		
279	SOFT START MOTOR STARTERS	ALLEN BRADLY, FURNAS, SQUARE D, GE		
280	PANELBOARDS	GE, SQUARE D, SIEMENS		
281	MCC (MOTOR CONTROL CENTERS)	GE, SQUARE D, SIEMENS		
282	DRIVES	ABB, DANFOSS, SQUARE D		
283	ELECTRICAL FINISH FACE PLATES	STAINLESS STEEL (LEVITON)		
284	ELECTRIC VEHICLES/ CHARGERS			
285	ELECTRICAL VEHICLES AND CHARGERS	TAYLOR DUNN, CLUB CAR, CUSHMAN		
286	CHARGER Mfr	GE, LESTER, ABB		
287	EMERGENCY POWER SYSTEM-GRID MATRIX			
288	CONNECT WITH SUMP PUMPS	ALERTRON, EDWARDS		
289	CONNECT WITH C02 SENSORS	ALERTRON, EDWARDS		
290	CONNECT WITH EMS/CMMMS	ALERTRON, EDWARDS		
291	EMERGENCY MANAGEMENT SYSTEM			
292	EMERGENCY MANAGEMENT SYSTEM	HONEYWELL, NIAGRA		

CAMPUS STANDARDS - MATRIX

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293	ENERGY MANAGEMENT SYSTEM		HONEYWELL, NIAGRA		
294	FIRE PROTECTION				
295	ELECTRONICS		EST, NOTIFIER		
296	LIGHTING SUPPLIES				
297	LIGHT BULBS, FLOURESCENTS T-8's		SYLVANIA, PHILLIPS, GE		
298	BALLASTS		ADVANCE, TRIAD, UNIVERSAL		
299	EMERGENCY POWER SYSTEMS				
300	GENERATORS		KOHLER, ONAN, GENERAC		
301	INVERTORS		MYERS POWER, LC&D, DSPM, CRCIAL POWER		
302	BY CONTRACTOR CFCI. CONTRACTOR MAY NO), TC	uiring licenses MUST INCLUDE ALL REQUIRED LICENSES ASSUME LICENSES ARE PROVIDED BY THE COLLEGE.		
	27 05 00 - COMMON WORK RESULTS FOR COM	MU			
	CABLE RUNWAY & LADDER RACK		CHATSWORTH PRODUCTS, PANDUIT, EATON		
	FIRESTOPPING		STI EZ PATH, HILTI SPEED SLEEVE		
	27 10 00 - STRUCTURED CABLING				
307	FLOORMOUNT RACKS		CHATSWORTH PRODUCTS, EATON, APC		
308			CHATSWORTH PRODUCTS, APC, COOPER B-LINE, MIDDLE		
	WALLMOUNT RACKS & CABINETS		ATLANTIC, HOFFMAN		
309	CABLE MANAGERS		SAME AS RACK		
310			APC SMART-UPS 5KVA, EATON 9PX 5KVA (models with		
510	BDF/IDF UNITERRUPTIBLE POWER SUPPLIES		INPUT: L6-30; OUTPUTS: L6-30R/L6-20R/L5-20R/5-20R)		
311			APC GALAXY VS, Symmetra, EATON 93PM (HARDWIRED		
511	MDF UNITERRUPTIBLE POWER SUPPLIES		480V)		
			APC AP8641 AND AP9335TH and NBRK0250, EATON EMA107		
312			10 AND EMP001 (WITH L6-30P INPUT PLUG, C13 and C19		
	POWER DISTRIBUTION UNITS		sockets).		
313	COPPER BACKBONE CABLING (25-PAIR)		GENERAL CABLE, ESSEX		
314			SUMITOMO FUTUREFLEX ABF ELECTRIC LIGHTWAVE,		
514	FIBER BACKBONE CABLING SYSTEM		CORNING		
315	FIBER TERMINATION UNITS		SUMITOMO FUTUREFLEX ABF ELECTRIC LIGHTWAVE		
316	COPPER HORIZONTAL CABLING		SIEMON, PANDUIT CATEGORY 6A F/UTP (GROUNDED)		
317	DATA OUTLETS AND PATCH PANELS		SIEMON ZMAX, PANDUIT MINI-COM		
240	FACEPLATES		SIEMON, PANDUIT (COORDINATE WITH WALL COLOR)		
318					

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220		SUMITOMO FUTUREFLEX ABF TUBE SPLICE DEVICES,
320	SPLICE CASES	CORNING, 3M
321	BDF/IDF FIBER PATCH PANEL ENCLOSURES	Corning CCH-04U, Sumitomo FT04L12
322	MDF FIBER PATCH PANEL ENCLOSURES	Corning EDGE-04U, Sumitomo FT04H48
		SINGLEMODE: Corning CCH-CS24-AE-P00RE, Sumitomo FTLC-
323		FSP24TBFOS2
525		MULTIMODE: Corning CCH-CS24-AD-P00QE, Sumitomo FTLC-
	BDF/IDF FIBER TERMINATION PLATE	FSP24TBFOM4
		SINGLEMODE: Corning ECM-RM12-04-89G, Sumitomo FTLC-
324		MP12COS2-HD
524		MULTIMODE: Corning ECM-TM12-05-93Q, Sumitomo FTLC-
	MDF FIBER TERMINATION PLATE	MP12COM4-HD
325	LABELING	PANDUIT TURN-TELL AND PANDUIT COLOR BAND
326	27 20 00 - DATA COMMUNICATIONS	
327	BDF/IDF COPPER EDGE SWITCH	CISCO C9300-48UN, UXM (minimum 1 UXM per BDF/IDF)
328	INTERIOR WIRELESS ACCESS POINT	ARUBA 550 SERIES
329	OUTDOOR WIRELESS ACCESS POINT	ARUBA 570 OR 518 SERIES
330	27 30 00 - VOICE COMMUNICATIONS	
331	VOIP CALL MANAGER SYSTEM	CISCO UNIFIED COMMUNICATIONS MANAGER
332	VOIP WALL/DESK PHONE	CISCO 8841, 8851
333	PAGING/MASS NOTIFICATION	CISCO VOIP PHONE, ATLAS IP-SDMF
334	MASS NOTIFICATION SYSTEM	SINGLEWIRE INFORMACAST
335	27 40 00 - AUDIO-VIDEO COMMUNICATIONS	
336	AUDIO VISUAL CONTROL SYSTEM	UTELOGY, EXTRON
337	AUDIO VISUAL SWITCHER	EXTRON
338	PROJECTOR	EPSON, PANASONIC, NEC
339	PROJECT SCREEN	DA-LITE, EPSON, ELITE
340	INTERACTIVE DISPLAY	VIEWSONIC, EPSON, SMART TECHNOLOGIES
341	LARGE FORMAT DIGITAL DISPLAYS	VIEWSONIC, NEC, PANASONIC, SONY
342	LECTERN	SPECTRUM FREEDOM XRS, DWI ENTERPRISES
343	DOCUMENT CAMERA	EPSON, ALMO (models with both HDMI and USB output)
344	ASSISTIVE LISTENING DEVICE	LISTEN TECHNOLOGIES
345	MICROPHONE	SHURE
346	ANNOTATION DEVICE	SMART TECHNOLOGIES
347	CLASSROOM LIGHTING CONTROL	CRESTON, LUTRON
210		JBL (primary)
340	SPEAKERS	EXTRON (ceiling tile replacement)

CAMPUS STANDARDS - MATRIX

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349	PC COMPUTERS		HP ELITE SERIES
350	LECTURE CAPTURE		PANOPTP, ENSEMBLE
351	DIV. 28: ELECTRONIC SAFETY & SECURITY		
352	28 10 00 ELECTRONIC ACCESS CONTROL		
353	CARD READERS		HID iCLASS SE Readers with Terminal Strip. All Readers Wired using RS-485 for OSDP Communication
354	CREDENTIALS		HID Global 5006PGGAN with LACCD Corporate 1000 Format: H800003
355	ACCESS CONTROL WIRING		BELDEN 658GMS BANANA CABLE AND CAT6A F/UTP (2 DATA DROPS REQUIRED PER CARD READER OR DOOR CONTACT LOCATION)
356	ACCESS CONTROL PANEL		LENEL LNL-X4420
357	POWER SUPPLY AND ENCLOSURES		LIFESAFETY POWER FPO150/250-3D8P2M8NL4E8M2/P16 WITH BDM OR FPO250/250/250-8M8PNLXE12M/P24 WITH BDM
358	DOOR POSITION SWITCH		SCHLAGE 7764
359	REQUEST TO EXIT SENSOR		BUILT INTO LOCKSET (MOTION DETECTION REX ARE NOT ACCEPTABLE)
360	ELECTRONIC LOCKDOWN BUTTON		STI SS2026LD-EN with 6/18 cable to Access Control Panel
361	PHYSICAL ACCESS CONTROL SYSTEM		LENEL ONGUARD ENTERPRISE
362	28 20 00 ELECTRONIC SURVEILLANCE		
363	IP SECURITY CAMERA 90 DEGREE		Axis Communications P3248-LV, P3248-LVE
364	IP SECURITY CAMERA 180 DEGREE		AXIS COMMUNICATION Q3709-PVE, P3807-PVE
365	IP SECURITY CAMERA 360 DEGREE		AXIS COMMUNICATION Q6100-E, P3719-PLE
366	IP SECURITY CAMERA PAN/TILT/ZOOM		AXIS COMMUNICATIONS Q6128-E
367	IP SECURITY CAMERA ELEVATOR		AXIS COMMUNICATION P9106-V
368	IP SECURITY CAMERA LICENSE PLATE READER		Axis Communications Q1700-LE
369	EXTERIOR CAMERA MOUNTS		WALL: AXIS T91D61 POLE: AXIS T91B67 CEILING: AXIS T91B50 PARAPET: AXIS T91D62 CORNER: AXIS T91A64
370	VIDEO MANAGEMENT SERVER		BCD Video BCD212XH-MGMT-SRV-LACCD
	VIDEO RECORDING SERVER		BCD VIDEO BCD215XH-EVS-LACCD-180T
	VIDEO MOBILE STREAMING SERVER		BCD VIDEO BCD212XH-MOBILE-LACCD
373	VIDEO WORKSTATION		BCD Video BCD-H-I9-TWS-LACCD
	VIDEO MANAGEMENT SYSTEM SOFTWARE		MILESTONE XPROTECT CORPORATE
375	28 30 00 - ELECTRONIC DETECTION AND ALAR	М	
	ALARM MONITORING SYSTEM		LENEL ONGUARD ENTERPRISE
377	PANIC BUTTONS		CISCO VOIP PHONE, BOSCH ISC-PB1-100
	MOTION DETECOR		CEILING: BOSCH DS9370 WALL: BOSCH ISC-PDL1-WAC30G
	GLASSBREAK DETECTOR		BOSCH DS1103I
380	ALARM CONTROL PANEL		BOSCH B9512G

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381	ALARM KEYPAD		BOSCH B942 TOUCHSCREEN		
382	TOWER EMERGENCY PHONE		TALK-A-PHONE WEBS-MT/R-OP4-OP2 WITH VOIP-500E		
383	WALLMOUNT EMERGENCY PHONE		TALK-A-PHONE ETP-WMS WITH VOIP-500E		
384					
385	GENERAL		Edwards (EST 3) with Mass Notification		
386	FIRE ALARM PULL STATION		EST CAT 45 KEY		
387	SPEAKER/STROLL AMBER ALERT		EDWARDS W/ MASS NOTIFICATION		
388	DIV. 32: EXTERIOR IMPROVEMENTS				
389	ANTI GRAFFITI PRODUCTS		GRAFFITI SHIELDS, 3M FILMS		
390	IRRIGATION SYSTEMS				
391	IRRIGATION CONTROLLLER		HUNTER, RAINBIRD, CHAMPION		
392	IRRIGATION - Sprinkler Heads		HUNTER 540-4" POP-UP, RAINBIRD 1800		
393	IRRIGATION - Heads		HUNTER I-40 HEADS, RAINBIRD FALCON		
394	IRRIGATION - Heads		HUNTER I-20 HEADS, RAINBIRD 5000		
395	IRRIGATION - Control Valves		RAINBIRD ELECTRIC REMOTE CONTROL VALVES, SUPERIOR 950		
396	IRRIGATION - Pipes		SCHEDULE 80 PVC PIPE		
397	IRRIGATION - Fittings		SCHEDULE 80 SOCKED WELD FITTINGS		
398	IRRIGATION SYSTEMS		HUNTER, RAINBIRD		
399	PAVEMENT MARKINGS		VISTA		
400	CONTROLLER REMOTE SITE MANAGEMENT		HUNTER		
401	CONTROLLER HAND-HELD REMOTE CONTROL		HUNTER		
402	CONTROLLER ENCLOSURE		HUNTER		
403	RAIN SENSOR		HUNTER		
404	CONTROL WIRE - COMMON		Paige P7001D 12 AWG White		
405	CONTROL WIRE - HOT		Paige P7001D 14 AWG Colored		
406	WATERPROOF WIRE CONNECTOR		Spears DS-500 Dri-Splice		
407	GROUNDING ROD		Paige 182007 with Paige 1820037P Connection		
408	DIELECTRIC CONNECTION		Approved by Electical Engineer		
409	BOOSTER PUMP		Barrett Irriboost with Variable Speed Drive and SS Enclosure		
410	BASKET STRAINER		Yardney SBx-T Series		
411	BASKET STRAINER ENCLOSURE		V.I.T. Strong Box SBBC-xxSS with QP Option		
412	PRESSURE REGULATOR		Wilkins 500 Series		
413	MASTER VALVE		Toro 220 Brass or Toro P-220S Platic		
414			Rainbird P22o Brass series with Pressure regulator		
415	FLOW SENSOR		HUNTER, RAINBIRD		

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416	FERTILIZER INJECTOR	E	Z-FLO EZ Series
417	GATE VALVE (2" and SMALLER)	N	libco T-113 Series
418	GATE VALVE (2 1/2" and LARGER)	N	libco F-619-SON Series
419	BALL VALVE (2" and SMALLER)	N	libco T-585-70 Series
420	AIR RELEASE VALVE	С	la-Val #33-A Series
421	QUICK COUPLING VALVE	R	ain Bird #44-NP or TORO #44 NP Series
422	ELECTRIC CONTROL VALVE	Н	UNTER, Rainbird P-220 brass series
423	DRIP ZONE VALVE KIT	Н	UNTER
424	VALVE BOX	Ν	DS Pro Plus Series (green plastic with purple bolt-down cover)
425	MAINLINE PIPING (6" and LARGER)	P	acific Plastics Sch 80 CL200 PVC Gasketed - Purple
426	MAINLINE PIPING (2" - 4")	P	acific Plastics Sch 80 CL315 Solvent-Weld PVC - Purple
427	MAINLINE PIPING (1 1/2" and SMALLER)		acific Plastics or equal SCH 40 Solvent-Weld PVC – Purple or Sch 0 PVC
428	LATERL LINE PIPING		acific Plastics or equal SCH 40 Solvent-Weld PVC – Purple, or CH 80 PVC
429	PIPE / WIRE SLEEVING	P	acific Plastics or equal SCH 40 Solvent-Weld PVC
430	PIPE FITTINGS (MAINLINE)	S	pears or equal SCH 80 PVC
431	PIPE FITTINGS (LATERAL LINES)	S	pears or equal SCH 40 PVC
432	ARTIFICIAL TURF COOLING SYSTEM HEADS	Н	IUNTER
433	LARGE TURF ROTOR HEADS	Н	IUNTER, RAINBIRD
434	MEDIUM ROTOR HEADS	Н	IUNTER, RAINBIRD
435	SMALL ROTOR HEADS	Н	IUNTER, RAINBIRD
436	FIXED SPRAY HEADS	Н	IUNTER, RAINBIRD
437	FLOOD BUBBLER	Н	IUNTER, RAINBIRD
438	TREE ROOT WATERING SYSTEM	Н	UNTER, Rain Bird RWS Series
439	DRIP LINE SYSTEMS	Н	IUNTER, RAINBIRD
440	DRIP SYSTEM FITTINGS / ACCESSORIES	Н	IUNTER, RAINBIRD
441	BIRD DETERRANTS	В	ird B Gone
442	GROUND PREPARATION FOR LANDSCAPING		IO CONCRETE OR ASPAULT AND NO AGGREATE OVER ¼", IEW TOP SOIL REQUIRED TOP 6"