

LOS ANGELES CITY COLLEGE

CAMPUS STANDARDS - MATRIX

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LACC STANDARD	CAMPUS ALTERNATIVES
1 DIV. 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 REMOVABLE MULLION POST	(NON FIRE) VON DUPRIN KR4954
23	(FIRE RATED) VON DUPRIN KR9954
24 CLOSER	LCN - 4040XPIN SWINGING
25	LCN - 4040XP EDA OUT SWINGING
26 ADA COMPLIANT PEDESTRIAN SWING DOOR OPERATOR	LCN Senior Swing series, surface mounted
27 ANTI VANDAL PULL	Ives VR 900
28 ARMOR COLLAR/CYLINDER GUARD	KEEDEKX 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	PEMKO
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
45	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
49	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	
55	HOLLOW METAL DOORS, MINIMUM REQUIREMENTS	SDI-100 GRADE II MODEL 3, 1 3/4 INCHES THICK.
56		SDI LEVEL III CURRIES - POLYSTYRENE 707 CORE
57	HOLLOW METAL FRAMES, MINIMUM REQUIREMENTS	14 GUAGE COLD ROLLED STEEL
58	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
60	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	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	Dunn Edwards
78		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,
130	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
143	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
155	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
160	MODULAR STRUCTURES	Williams Scotsman, Aurora
161	DIV. 14: CONVEYING EQUIPMENT	
162	STANDARD ELEVATORS	Otis, Mitsubishi
163	CONTROLLER	MOTION CONTROLS.....CONTROLLER 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
168	HYDRAULIC ELEVATORS	Otis
169	DUMBWAITER	MATOT, TL SHIELD
170	DIV. 21: FIRE SUPPRESSION	
171	HYDRANTS	James Jones, Clow Valve
172	DIV. 22: PLUMBING	
173	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	Haws, HalsyTaylor
224	DIV. 23: HEATING, VENTILLATION & AIR CONDITIONING (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	OMNI
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.
248	OTHER ABSORBTION CHILLER	SUN
249	VENTILATORS AND EXHAUST FANS	Greenheck, Broan.
250	FIRE SMOKE DAMPER	Belmo w/ end switch to communicate to EMS
251	VARIABLE FREQUENCY DRIVES	ABB, Graham, Danfoss.
252	HYDRONIC PIPING	Carbon Steel, Sch 80 Insulated PVC Perma Pipe
253		Thermacor, Rovanco
254	AIR CONIDITIONING THERMOSTAT	HONEYWELL
255	THERMOSTAT LOCK BOX	Honeywell, White Roger, Grainger
256	Motor Controls	ABB, G.E.M.C.

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258	ENERGY MANAGEMENT SYSTEM	Niagara Network, Trane, Honeywell
259	DIV. 26: ELECTRICAL	
260	ELECTRICAL FIXTURES	
261	INTERIOR LIGHT FIXTURES(LED), Fluoresces No incandesce light fixture	PRUDENTIAL, LITHONIA, LIGHTOLIER, HE WILLIAMS
262		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 CO2 SENSORS	ALERTRON, EDWARDS
290	CONNECT WITH EMS/CMMMS	ALERTRON, EDWARDS
291	EMERGENCY MANAGEMENT SYSTEM	
292	EMERGENCY MANAGEMENT SYSTEM	HONEYWELL, NIAGRA

LOS ANGELES CITY COLLEGE

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
DIV. 27: COMMUNICATIONS*		
302	*Licensing ALL Div. 27 and Div. 28 (IT devices) requiring licenses MUST INCLUDE ALL REQUIRED LICENSES BY CONTRACTOR CFCI. CONTRACTOR MAY NOT ASSUME LICENSES ARE PROVIDED BY THE COLLEGE.	
303	27 05 00 - COMMON WORK RESULTS FOR COMMUNICATIONS	
304	CABLE RUNWAY & LADDER RACK	CHATSWORTH PRODUCTS, PANDUIT, EATON
305	FIRESTOPPING	STI EZ PATH, HILTI SPEED SLEEVE
306	27 10 00 - STRUCTURED CABLING	
307	FLOORMOUNT RACKS	CHATSWORTH PRODUCTS, EATON, APC
308	WALLMOUNT RACKS & CABINETS	CHATSWORTH PRODUCTS, APC, COOPER B-LINE, MIDDLE ATLANTIC, HOFFMAN
309	CABLE MANAGERS	SAME AS RACK
310	BDF/IDF UNITERRUPTIBLE POWER SUPPLIES	APC SMART-UPS 5KVA, EATON 9PX 5KVA (models with INPUT: L6-30; OUTPUTS: L6-30R/L6-20R/L5-20R/5-20R)
311	MDF UNITERRUPTIBLE POWER SUPPLIES	APC GALAXY VS, Symmetra, EATON 93PM (HARDWIRED 480V)
312	POWER DISTRIBUTION UNITS	APC AP8641 AND AP9335TH and NBRK0250, EATON EMA107-10 AND EMP001 (WITH L6-30P INPUT PLUG, C13 and C19 sockets).
313	COPPER BACKBONE CABLING (25-PAIR)	GENERAL CABLE, ESSEX
314	FIBER BACKBONE CABLING SYSTEM	SUMITOMO FUTUREFLEX ABF ELECTRIC LIGHTWAVE, 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
318	FACEPLATES	SIEMON/PANDUIT (COORDINATE WITH WALL COLOR)
319	PATCH CABLES	SIEMON, PANDUIT (CAT6A F/UTP 28 AWG THIN)

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320	SPLICE CASES	SUMITOMO FUTUREFLEX ABF TUBE SPLICE DEVICES, CORNING, 3M
321	BDF/IDF FIBER PATCH PANEL ENCLOSURES	CORNING CCH-04U, SIEMON RIC3-72-01
322	MDF FIBER PATCH PANEL ENCLOSURES	CORNING EDGE-04U, SIEMON LS-4U-01
323	BDF/IDF FIBER TERMINATION PLATE	SINGLEMODE: CORNING CCH-CS24-AE-P00RE, SIEMON RIC-F-LSU24-01C MULTIMODE: CORNING CCH-CS24-AD-P00QE, SIEMON RIC-F-LSQ24-01C
324	MDF FIBER TERMINATION PLATE	SINGLEMODE: CORNING ECM-RM12-04-89G, SIEMON LS-LS12-01C-BL MULTIMODE: CORNING ECM-RM12-05-93Q, SIEMON LS-LS12-01C-AQ
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	EPSON, SMART TECHNOLOGIES, PLANAR ULTRARES
341	LARGE FORMAT DIGITAL DISPLAYS	PLANAR, 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
348	SPEAKERS	JBL (primary) EXTRON (ceiling tile replacement)

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349	PC COMPUTERS	HP ELITE SERIES
350	LECTURE CAPTURE	PANOPT, ENSEMBLE
351	DIV. 28: ELECTRONIC SAFETY & SECURITY	
352	28 10 00 ELECTRONIC ACCESS CONTROL	
353	CARD READERS	HID GLOBAL 920NMPTEKMA007, 921NMPTEKMA008 OR 910NMPTEKMA007 (OSDP COMMUNICATION METHOD)
354	CREDENTIALS	HID Global 5006PGGAN with LACCD Corporate 1000 Format: H800003
355	ACCESS CONTROL WIRING	BELDEN 658GMS BANANA CABLE AND CAT6A F/UTP (3 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 COMMUNICATION Q3518-LVE, P3228-LV
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 Q1786-LE, P1448-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-LACCD
371	VIDEO RECORDING SERVER	BCD VIDEO BCD215XH-EVS-LACCD-180T
372	VIDEO MOBILE STREAMING SERVER	BCD VIDEO BCD212XH-MOBILE-LACCD
373	VIDEO WORKSTATION	BCD VIDEO BCDT9I-MVW-LACCD
374	VIDEO MANAGEMENT SYSTEM SOFTWARE	MILESTONE XPROTECT CORPORATE
375	28 30 00 - ELECTRONIC DETECTION AND ALARM	
376	ALARM MONITORING SYSTEM	LENEL ONGUARD ENTERPRISE
377	PANIC BUTTONS	CISCO VOIP PHONE, BOSCH ISC-PB1-100
378	MOTION DETECTOR	CEILING: BOSCH DS9370 WALL: BOSCH ISC-PDL1-WAC30G
379	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	FIRE ALARM SYSTEM	
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 CONTROLLER	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 Electrical 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 Plastic
414		Rainbird P220 Brass series with Pressure regulator
415	FLOW SENSOR	HUNTER, RAINBIRD

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