

WEST LOS ANGELES COLLEGE

CAMPUS STANDARDS- MATRIX

(Note: Campus Preferences are indicated first or with a √, followed by additional manufacturers which are being considered by LACCD.)

PLEASE READ & FOLLOW THE DIRECTIONS PROVIDED BELOW

"The Campus Standards Matrix is to be used as a guide. West Los Angeles College (WLAC) has a comprehensive design standards which governs the design of any of our projects. In case there is a valid need to deviate from these Standards , a request will need to be submitted in writing to and a formal written approval needs to be received from the WLAC Campus Maintenance & Operations (M&O) or IT Departments.

This is a living document and updates regularly ; therefore , one should check with the M&O Department for the most updated version before proceeding. These design standards are not to be deviated from for the purpose of value engineering unless formally approved by M&O or IT

WLAC STANDARD		CAMPUS ALTERNATIVES
1 DIV. 06: WOOD, PLASTICS AND COMPOSITES		
2 ARCHITECTURAL CABINETS		
3	PLASTIC LAMINATE	NEVAMAR, FORMICA, WILSONART, OR EQUAL
4	CABINET DRAWER GLIDES	ACCURIDE 3832
5	CABINET HINGES	ROCKFORD PROCESS CONTROL (RPC) #851
6	CABINET LOCKS	BEST 5L SERIES DEADBOLTS AND STRIKES , 7 PINS IC
7	CABINET MAGNETIC CATCHES	EPCO #591
8	CABINET PULLS	TRIMCO 562-4
9	CABINET SHELF STANDARDS	KNAPE & VOGT (KV) 255
10 DIV. 07: THERMAL & MOISTURE PROTECTION		
11 ROOFING		
12	GENERAL	Modified Bitumen 30-yr Garland, 4-yr ply. Build-up roof multi-ply no single ply. Build-up roof multi-ply (District Standards).
13		PVC 40 mil min. or TPO 60 mil min. for flat roofs- both warrenty 25 yr plus
14 FIREPROOFING		
15	GENERAL	MONOKOTE
16 WATERPROOFING		
17	BITUMINOUS DAMPPROOFING for cold applications	WR MEADOWS, HENRY
18	SELF-ADHERING SHEET WATERPROOFING	WR GRACE, WR MEADOWS, CARLISLE COATINGS
19 DIV. 08: OPENINGS		
20 HARDWARE		
21	KEYING OF CYLINDER	BEST I/C CORE CYLINDER, 7-PIN.
22	INTER CHANGEABLE CYLINDERS	BEST 1C7 SOLE SOURCE
23	INTER CHANGEABLE MORTISE CYLINDERS	BEST 1E74, 1E7G4 SOLE SOURCE
24	INTER CHANGEABLE RIM CYLINDERS	BEST 1E72 SOLE SOURCE
25	LOCKSET	BEST 45H Series 3H -HIGH SECUIRTY PRIVATCY
26		BEST 9K Serials
27	CABINET LOCKSETS	BEST

WLAC STANDARD		CAMPUS ALTERNATIVES
28	HINGES	STANLEY STAINLESS STEEL BALL BEARING 5 KNUCKLE
29	CONTINUOUS:	STANLEY STAINLESS STEEL BALL BEARING 5 KNUCKLE
30	EXIT DEVICES	VON DUPRIN-98 SERIES, Cylinder Dogging,, XP @ EXTERIOR
31		VON DUPRIN CD99 SERIES 996L-03 LEVER AX
32	KEY REMOVABLE MULLION POST for double door	(NON FIRE RATED) VON DUPRIN KR4954
33	exit device opening	(FIRE RATED) VON DUPRIN KR9954
34	CLOSER	LCN-4041, LCN - 4040 EDA or HEDA XP SWING TO WALL
35	ADA COMPLIANT PEDESTRIAN SWING DOOR OPERATOR	LCN 4640 SERIES
36	CARD READER	SUBJECT TO WLAC APPROVAL
37	ELECTRIC STRIKES: RIM EXIT DEVICES	VON DUPRIN, WIRE THRU THE HINGES
38	ELECTRIC STRIKES : MORTISE LOCKS	HES 1006, field modification, cutting of Fire Door Frame SHALL NOT be permitted. Electrified Hinge
39	KEY SYSTEMS	BEST KABA PEAKS 7-PIN
40	FIRE ALARM PANEL KEYING	CAT 45
41	ELECTRICAL CABINET KEYING	LL803
42	ANTI VANDAL PULL	TRIMCO 1097HA-SP, TRIMCO 1097HA-SP-NC, TRIMCO 1096HA
43	ARMOR COLLAR/CYLINDER GUARD	KEEDEX K-24
44	ASTRAGAL	BY DOOR MANUFACTURER, PEMKO 355S
45	AUTO DOOR OPERATOR	LCN 4640-CS
46	AUTO DOOR CLOSER	LCN BY RBA,
47	AUTO FLUSH BOLT	TRIMCO 3825LX3815L, TRIMCO 3820X3810
48	BOLLARD ACTUATOR	LCN 8310-3853TWB
49	BOLLARD POST	LCN 8310-866
50	COORDINATORS	TRIMCO 3094 X 3095/3096 AS REQ'D
51	DOOR BOTTOM	PEMKO
52	DOOR HOLDER	LCN PAH-60
53	DOOR STOPS	TRIMCO
54	DOOR SWEEP	PEMKO 3452V
55	DUST PROOF STRIKE	TRIMCO 3911, TRIMCO 3910
56	ELECTRIC LOCKSET	BEST 45HW7DEU X 3H X L/OST
57	KICK PLATE	TRIMCO KO050 - 10 X 2 LDW B4E
58	LATCHSET	BEST 45H0N X 3H
59	MOP PLATE	TRIMCO KM050 - 6 X 1 LDW B4E
60	MULLION SEAL	BEST LOCK 5110
61	OVERHEAD COILING DOOR KEY SWITCH CONTROL	VEE INDUSTRIES, INC. 1 KX SURFACE MOUNT KEY SWITCH, MUST USE BEST KEY
62	OVERHEAD STOPS	GLYNN-JOHNSON
63	POWER SUPPLY	VON DUPRIN PS914 X 900-2RS
64	POWER TRANSER	VON DUPRIN EPT-2
65	PUSH/PULLS	TRIMCO
66	REMOVABLE MULLION	VON DUPRIN KR4954 X MT54
67	SILENCERS	TRIMCO 1229A

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68	SMOKE SEALS	PEMKO S44 HEAD & JAMBS
69		LCN P4041-SCNS
70	SURFACE CLOSER	LCN 4041 SERIES WITH "EDA" ARMS.
71		LCN P4041-H-EDA
72	THRESHOLD	PEMKO
73	WALL ACTUATOR	LCN 8310-853TWP
74	WALL BUMPER	TRIMCO 1270CVPV
75	WEATHERSTRIP	PEMKO 2891S HEAD & JAMBS
76	WIRELESS RECEIVER	LCN 8310-865
77	DOORS	
78	WOOD DOOR	SUBJECT TO WLAC APPROVAL
79	SLIDING METAL FIRE DOOR	SMOKE GUARD
80	AUTOMATIC SLIDING ALUMINUM FRAMED GLASS DOORS	STANLEY
81	ACCESS DOORS	BAUCO, KARP ASSOCIATES INC., JL INDUSTRIES
82	EXTERIOR CEILING DOOR	COOKSON COMPANY
83	FIRE RATED AUTOMATIC ROOLING SERVICE DOORS	COOKSON COMPANY
84	INSULATED, ELECTRIC OPERATION, ROOLING SERVICE DOOR	OVERHEAD DOOR CORPORATION
85	OVERHEAD COILING GRILLES	COOKSON COMPANY, PACIFIC ROLLING DOORS
86	FOLDING DOORS	MODERNFOLD, WON-DOOR, HUF COR
87	ALUMINUM-FRAMED ENTRANCES & STORE FRONT	UNITED STATES ALUMINIUM CORP., KAWNEER, CONTINENTAL
88	GLASS ENTRANCES & STOREFRONT	CONTINENTAL, OLDCASTLE, CR LAURENCE OR EQUAL
89	RESTROOM ENTRY DOORS	
90	HOLLOW METAL DOORS, MINIMUM REQUIREMENTS	SDI-100 GRADE II MODEL 3, 1 3/4 INCHES THICK.
91	HOLLOW METAL FRAMES, MINIMUM REQUIREMENTS	16 GAUGE THICK MATERIAL, TO SUIT DOOR, 14 GAUGE COLD ROLLED STEEL
92	MARBLE THRESHOLDS AT TOILET ROOM ENTRANCES	GROUP "A" MARBLE AS CLASSIFIED BY THE MARBLE INSTITUTE OF AMERICA
93	METAL DOOR LOUVERS (AT RATED OPENINGS)	ANEMOSTAT FLDL-UL-SG2 LOUVER
94	METAL DOOR LOUVERS (AT NON-RATED OPENINGS)	ANEMOSTAT PLSL LOUVER
95	WINDOWS	
96	ALUMINUM WINDOWS	WAUSAU, MODU-LINE 2250 SIGNATURE SERIES 12E, THERMAL BREAK WINDOW, ANDERSEN, PELLA
97	WINDOW COVERING	LEVELOR RIVERA, HUNTER DOUGLAS OR EQUAL
98	DECORATIVE FILMS	3M, LLUMAR/VISTA, METROPOLITAN WEST
99	DIV. 09: FINISHES	
100	FLOOR/ WALL FINISHES	
101	CARPET	TANDUS OR EQUAL
102	RESILIENT FLOORING	ARMSTRONG, MANNINGTON, JOHNSONITE Homogenous
103	CARPET MODULES	TANDUS MOLD RESISTANT

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104	RESILIENT TILES/SHEET FLOORING	ARMSTRONG, MANNINGTON, JOHNSONITE Homogenus
105	HARD SURFACE (GYMNASIUM)	SUBJECT TO WLAC APPROVAL
106	WALL BASE - RUBBER	BURKE
107	RAISED FLOORING SYSTEMS	TATE, ACCESS FLOOR SYSTEMS OR EQUAL
108	PORCELAIN TILE	DALTILE
109	WALL COVERINGS	DUNN EDWARDS, VISTA PAINT, BENJAMIN MOORE
110	PAINT	DUNN EDWARDS, SHERWIN WILLIAMS
111	HIGH-PERFORMANCE COATINGS	DUNN EDWARDS, ICI
112	EPOXY FLOORING-(EXTERIOR)	NEOGARD
113	FLOOR MATS/WALK-OFF MATS	TANDUS OR EQUAL
114	GRAFFITI RESISTANT COATINGS	PERMASHIELD PREMIUM OR GENESIS COATING
115	GRAFFITI RESISTANT FILM	3M, JOHNSON WINDOW FILMS
116	SEAMLESS FLOORING	ARMSTRONG, MANNINGTON, JOHNSONITE
117	VCT	ARMSTRONG, MANNINGTON, JOHNSONITE
118	RESINOUS FLOORING-EPOXY	STONHARD, CROSSFIELD PRODUCTS, TNEMEC
119	FIBERGLASS REINFORCED PLASTIC PANELS	MARLITE, KAL-LITE, CRANE CO.
120	GENERAL CERAMIC TILE	DAL TILES
121	MOTAR/GROUT	MAPEI, LATICRETE
122	TERRAZZO/MARBLE TILES	FRITZTILE OR EQUAL
123	CEMENTITIOUS GROUT (FLOOR TILE)	LATICRETE® PERMACOLOR™, OR APPROVED EQUAL.
124	EPOXY GROUT (WALL TILE)	LATICRETE® SPECTRALLOCK® PRO PREMIUM GROUT, OR APPROVED EQUAL.
125	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)
126	WALL TILE	FIELD TILE AND BASE DALTILE SEMI-GLOSS 4" X 4" , ACCENT TILE, DALTILE SEMI-GLOSS 4"X4"
127	WATERPROOF MEMBRANE	LATICRETE® HYDRO BARRIER™, OR APPROVED EQUAL.
128	EXTERIOR PLASTER	LA HABRA, HIGHLAND - Integral colored
129	PHOTOVOLTAICS	SHELL SOLAR OR EQUAL
130	CEILING SYSTEMS	
131	ACOUSTICAL TILE	ARMSTRONG, USG
132	GRID SYSTEM	ARMSTRONG, USG, Donn Finline
133	ACOUSTICAL SUSPENSION SYSTEM	ARMSTRONG , USG
134	SOUND-ABSORBING UNITS	ACOUSTICOLOR OR EQUAL
135	INTERIOR SUSPENDED LIGHTS	LED, PRUDENTIAL, LITHONIA
136	WALL & CEILING ACCESS DOORS	WITH HINGED LOCKED DOOR
137	DIV. 10: SPECIALTIES	
138	SOAP DISPENSERS	DESIGNER TO SUBMIT FOR WLAC APPROVAL
139	PAPER TOWEL DISPENSERS	DESIGNER TO SUBMIT FOR WLAC APPROVAL
140	Toilet paper dispensers	DESIGNER TO SUBMIT FOR WLAC APPROVAL

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141	BATHROOM PARTITIONS	BOBRICK SIERRASERIES® WATER-AND FIRE-RESISTANT SOLID COLOR REINFORCED COMPOSITE TOILET PARTITIONS AND URINAL SCREENS, OR CAMPUS APPROVED EQUAL
142	RESTROOM ACCESSORIES	BOBRICK, BRADLEY
143	LOCKERS	DESIGNER TO SUBMIT FOR WLAC APPROVAL
144	STORAGE/TRANSFER	TYGA-BOX SYSTEM OR EQUAL
145	MARKER BOARD	ABC SCHOOL SUPPLIES
146	TACKBOARDS	ABC SCHOOL SUPPLIES
147	OPERABLE PARTITIONS	WON DOOR , HUF COR AIRWALL
148	WALL AND CORNER GUARDS	CONSTRUCTION SPECIALTIES, INC., BALCO, PAWLING
149	DIAPER-CHANGING STATION	KOALA KARE PRODUCTS MODEL KB-110-SSWM HORIZONTAL WALL MOUNTED STAINLESS STEEL FINISH BABY CHANGING STATION, AMERICAN SPECIALITIES INC., OR APPROVED EQUAL.
150	FOLDING SHOWER SEATS	BOBRICK MODEL B-5181 REVERSIBLE SOLID PHENOLIC FOLDING SHOWER SEAT, OR APPROVED EQUAL.
151	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.)
152	HAND DRYERS	dyson (ADA compliant), BRADLEY MODEL 2897-28 RECESSED HAND DRYER, MAXIMUM 4" PROJECTION FROM WALL, OR APPROVED EQUAL.
153	KEYING FOR TOILET ACCESSORIES	BOBRICK KEY #2055
154	LAVATORY SINK (COUNTERTOP):	AMERICAN STANDARD MODEL 0476.028 AQUALYN™ VITREOUS CHINA COUNTERTOP SINK, OR APPROVED EQUAL.
155	LAVATORY SINK (WALL-HUNG, WHERE REPLACING EXISTING WALL-HUNG LAVATORY)	4" CENTERSET WITH CONCEALED ARM CARRIERS: AMERICAN STANDARD LUCERNE MODEL 0355.012, OR KOHLER KINGSTON K- 2005-0, OR APPROVED EQUAL.
156	MIRRORS (FRAMED)	BOBRICK B-290 SERIES, 18" X 36", OR APPROVED EQUAL.
157	SHOWER CURTAIN HOOKS	BOBRICK MODEL 204-1 STAINLESS STEEL SHOWER CURTAIN HOOK, OR APPROVED EQUAL.
158	SHOWER CURTAIN RODS	BOBRICK MODEL B-6107 HEAVY-DUTY SHOWER CURTAIN ROD, OR APPROVED EQUAL.
159	SHOWER CURTAINS	BOBRICK MODEL 204-3 VINYL SHOWER CURTAIN, OR APPROVED EQUAL.
160	SHOWER SOAP DISH	BOBRICK MODEL B-4390 RECESSED HEAVY-DUTY SOAP DISH WITH BAR, OR APPROVED EQUAL.
161	TOILET SEATS	BEMIS MODEL 1955CT, OR APPROVED EQUAL. 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.
162	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, OR APPROVED EQUAL.
163	UTILITY SHELF	BOBRICK MODEL B-298 STAINLESS STEEL SHELF, 24" MINIMUM LENGTH X 8" DEPTH, OR APPROVED EQUAL.

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164	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, OR APPROVED EQUAL.
165	WASTE RECEPTACLES (AT STAFF/FACULTY RESTROOMS ONLY)	BOBRICK MODE B-3644 RECESSED WASTE RECEPTACLE, OR APPROVED EQUAL.
166	EMERGENCY RESPONDER LOCK BOX	KNOX BOX 3200 SERIES
167	EVACUATION CHAIR	GARAVENTA LIFT, STRYKER EMS OR EQUAL
168	REMOVABLE STEEL BOLLARD	CALPIPE SECURITY BOLLARDS
169	FLEXIBLE BOLLARDS	RELIANCE FOUNDRY, BC CANADA
170	FIRE ALARM SYSTEM	SIEMENS - SOLE SOURCE
171	FIRE EXTINGUISHER CABINET W/ LOCK	POTTER-ROEMER, JL INDUSTRIES (KEY #LL24), LARSENS
172	FLAGPOLES	MORGAN-FRANCIS CO. INC.
173	DIRECTORIES & BULLETIN BOARDS	SUBJECT TO WLAC APPROVAL
174	DIV. 11: EQUIPMENT	
175	FOOD SERVICE EQUIPMENT	HOBART, WOLF EQUIPMENT
176	KITCHEN, APPLIANCES	GE, SAMSUG, KITCHENAID
177	LOADING DOCK LEVELERS	MECHANICAL TYPE ONLY
178	PROJECTION SCREENS	DA-LITE OR EQUAL
179	PROJECTOR MOUNTS	CHIEF MAUNFACTURING OR EQUAL
180	LAB FUME HOOD	KEWAUNEE SCIENTIFIC OR EQUAL
181	DIV. 12: FURNISHINGS	
182	WINDOW SHADES	MECHO-SHADE CORP OR EQUAL
183	METAL LAB CASEWORK	KEWAUNEE SCIENTIFIC, HANSON LAB FURNITURE, HAMILTON LAB SOLUTIONS
184	LAMINATED CASEWORK	KEWAUNEE SCIENTIFIC, HANSON LAB FURNITURE, HAMILTON LAB SOLUTIONS
185	WOOD LAB CASEWORK	KEWAUNEE SCIENTIFIC, HANSON LAB FURNITURE, HAMILTON LAB SOLUTIONS
186	BLEACHERS	
187	INTERIOR, GYMNASIUM	IRWIN TELESCOPIC
188	EXTERIOR, GYM	STRUDISTEEL, SOUTHERN BLEACHER CO Aluminum
189	WINDOW COVERING	
190	SOLAR SHADE	MECHO SHADE, LEVOLOR
191	BLINDS - VERTICAL/ HORIZONTAL	MECHO SHADE, LEVOLOR, HUNTER DOUGLAS
192	BIKE PARKING RACK	DESIGNER TO SUBMIT FOR WLAC APPROVAL
193	DIV. 13: SPECIAL CONSTRUCTION	
194	MODULAR STRUCTURES	SUBJECT TO WLAC APPROVAL
195	DIV. 14: CONVEYING EQUIPMENT	
196	STANDARD ELEVATORS	OTIS,SCHINDLER,Mitsubishi NO MRLS, NO HOLESS, NO HYDRAULIC ELEVATOR ABOVE THREE STORIES TRACTION PREFERRED
197	CONTROLLER	MOTION CONTROLS.....CONTROLLER CANNOT BE PROPRIETARY
198	ELEVATOR DOORS Graffiti proof interior	GAL DOOR EQUIPMENT
199	ELEVATOR CAB LIGHT FIXTURE	LED
200	WHEELCHAIR LIFTS	GARAVENTA, THYSSEN KRUPP, TL SHIELD

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201	EXIT STAIR EVACUATION CHAIRS	GAVEVENTA EVACUATION CHAIR: EVACU-TRAC CD7 or better
202		STRYKER EMC, STORAGE CAAINET, ALARM
203	HYDRAULIC ELEVATORS	OTIS, SCHINDLER, MITSUBISHI NO HOLESS UP TO THREE STORIES TRACTION AFTER THREE STORIES, NO MRLS
204	DUMBWAITER	MATOT, TL SHIELD
DIV. 21: FIRE SUPPRESSION		
206	HYDRANTS	JAMES JONES, CLOW VALVE
DIV. 22: PLUMBING		
PIPE		
209	DOMESTIC /P OTABLE	C900 Blue, Copper K, #80 PVC
210	UNDERGROUND WATER IRRIGATION PIPING	Schedule 40 and schedule 80 PVC 1/2" to 3" CVPC clorinated polyvinyl
211	UNDERGROUND SANITARY PIPING	CAST IRON, SDR-35 ASTM A888, CISPI 301
212	ABOVE GROUND SANITARY PIPING	Cast Iron Tyler Pipe /DWV Copper
213	PIPE TUBING AND FITTINGS	C-900 Mega Lug FTGs Approved CI Conn Flange
214	STEEL PIPE FUEL GAS/NATURAL GAS	Black Schedule 40 indor only with similar fittings
215	STEEL PIPE WATER OR AIR	Galvanized Domestic only - No Substitute, or black schedule 40
216	BRASS PIPE	Red Brass, Schedule 40 lead free
217	COPPER TUBING	Type "K" below grade or Type "L" above grades only, No "M", No substitutes
218	BRASS SCHEDULE 40 SOLDER JOINT FTG's	Domestic
219	SCREWED FITTINGS	Domestic
220	GAS PIPING UNDERGROUND	Polyethylene Pipe, Steel transition, yellow tracer wire, Butt fusion or ssocket
221	BUILDING DRAIN, WASTE & VENT	Cast iron no hub, no hub couplings, Cast Iron, Ftgs. / DWV Copper ANANCO, Tyler MS coupling, PVC Standard ASTM D2661-87
222	PIPE AND FITTINGS	Standard D2751-88 Cast iron, no hub pipe and fittings, waste, silver solder for 2 inch or above pipe.
PLUMBING FIXTURES		
224	TOILET FIXTURES (Low Flow, Viterous China)	AMERICAN STANDARD, ZURN, KOHLER, SLOAN
225	SINKS	AMERICAN STANDARD, KOHLER
226	(Vitreous China Lavatories)	FALCON
227	Stop Fittings	Chicago Faucets model 1013-ABLP
228	KITCHEN SINKS (stainless steel)	Eikay, KOHLER
229	SERIVCE SINKS	AMERICAN STANDARD, ZURN, KOHLER
230	(Vitreous China Lavatories)	Chicago
231	URINALS (Low Flow)	AMERICAN STANDARD, SLOAN, KOHLER,
232	URINALS (Waterless)	DO NOT USE
233	FAUCETS	Chicago- METERED or manual only, American Standard, Kohler
234	FLUSH VALVES - TOILETS, URINALS	SLOAN - manual, LOW FLUSH FLUSHOMETER
235	DOMESTIC WATER HEATER	A.O. Smith, Rheem, Lochinvar
236	CIRCULATING PUMP	Grundfos with equal times, Bell and Gossett
PLUMBING VALVES AND ACCESSORIES		

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238	GENERAL	Nibco or equal domestic product only, lead free where applicable
239	EXPANSION TANKS	AMTROL, BELL & GOSSETT, WATTS
240	BACKFLOW PREVENTERS	WILKINS, FEBCO, WATTS
241	CLEAN OUTS	JR SMITH, ZURN
242	FLOOR DRAINS	JR SMITH, ZURN
243	TRAP PRIMERS	SIOUX CHIEF, PPP Inc
244	ROOF DRAINS	JR SMITH, ZURN
245	BALL VALVES	NIBCO (Brass, Full Port), ACORN ENG
246	GATE VALVES	NIBCO (Union Bonnet, Raised Stem), ACORN ENG
247	GLOBE VALVES	NIBCO (Brass)
248	CHECK VALVES/BACKFLOW PREVENTOR	NIBCO (Brass), FEBCO
249	VALVES(WATER, BELOW GROUND)	STOCKHAM (Cast Iron Flanged AWWA with operating unit) RESILIENT GATE VALVE
250	BACKWATER VALVES	JR SMITH, ZURN
251	DRAIN PUMPS	SWABY, PACO, PEERLESS
252	DRAINAGE SYSTEM	JR SMITH, ZURN
253	ELECTRIC SELF REGULATING THERMAL MANAGEMENT CABLE	RAYCHEM
254	TRENCH FUNNEL DRAINS	Stockham Valves & Fittings Co.
255	HOSE BIBB BOX	ACORN ENG #8140/8102, STAINLESS STEEL RECESSED W. LOOSE KEY HANDELS, DOOR.
256	PISTON WATER HAMMER	MIFAB MWA Series
257	SHOWER HEADS & FAUCETS	SYMMONS
258	BOILER	RAYPACK, LOCHINVAR
259	EMERGENCY EYEWASH & SHOWER	
260	EMERGENCY EYEWASH & SHOWERS	HAWS, ENCON, BRADLEY
261	WATER FOUNTAINS	
262	DRINKING	HAWS
263	DIV. 23: HEATING, VENTILLATION & AIR CONDITIONING (HVAC)	
264	A/C UNITS, ROOF MOUNTED	TRANE, CARRIER, YORK
265	A/C UNITS WALL MOUNTED	BARD, TRANE, CARRIER
266	AIR HANDLERS – CUSTOM	ENERGY LAB., TRANE, SEASONS 4
267	AIR HANDLERS	TRANE, CARRIER, YORK
268	HVAC HYDRONIC CONTROL VALVE	SIEMENS
269	HVAC HEATING & COOLING CONTROL VALVE	SIEMENS, Belimo
270	HVAC HYDRONIC PIPE FLANGE ADAPTER CONNECTIONS	OMNI
271	MOTORS	Baldor, GE
272	PUMPS	PACO
273	COOLING TOWERS	Baltimore Air Coil, STAINLESS STEEL
274	OTHER FILTERS	American Fan, Trident Filtering Sys., 3-M, Florence Filter
275	BOILER CONTROLS-HOT WATER	Raypack condensening boiler 98% efficient, AERCO BENCHMARK
276	BOILER CONTROLS-STEAM	PARKER
277	FAN COILS DX	TRANE, CARRIER, YORK

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278	COMPUTER ROOM AC UNITS	APC, LIEBERT
279	CHILLED WATER FAN COILS	TRANE, CARRIER, YORK
280	AIR COOLED CHILLER	TRANE, CARRIER, YORK, DAIKIN
281	CENTRIFUGAL WATER-COOLED CHILLER	CARRIER, YORK, TRANE, DAIKIN
282	SCREW-TYPE AIR COOLED CHILLER	DO NOT USE
283	SCREW-TYPE WATER COOLED CHILLER	DO NOT USE
284	SCROLL-TYPE AIR COOLED CHILLER	CARRIER, YORK, TRANE, DAIKIN
285	CHILLER-GENERAL	CARRIER, YORK, TRANE, DAIKIN
286	ABSORBTION CHILLER	CARRIER, YORK, TRANE, DAIKIN
287	OTHER ABSORBTION CHILLER	SUBJECT TO WLAC APPROVAL
288	VENTILATORS AND EXHAUST FANS	COOK, GREENHECK
289	FIRE SMOKE DAMPER	Belimo w/ end switch to communicate to EMS, Ruskin, Kruger
290	VARIABLE FREQUENCY DRIVES	ABB, DANFOSS
291	HYDRONIC PIPING	Carbon Steel, Sch 80, Insulated PVC Perma Pipe, Thermacor, High Density Polyethylene
292	AIR CONIDITIONING THERMOSTAT	SIEMENS
293	THERMOSTAT LOCK BOX	HONEYWELL
294	MOTOR CONTROL FOR FURNACE	Allen Bradley, Square D, GE, Eaton
295	DIV. 25: INTEGRATED AUTOMATION	
296	ENERGY MANAGEMENT SYSTEM	SIEMENS (SOLE-SOURCE)
297	DIV. 26: ELECTRICAL	
298	ELECTRICAL FIXTURES	
299	INTERIOR LIGHT FIXTURES(LED), No incandescent light fixture	PRUDENTIAL, LITHONIA, HE WILLIAMS
300	CONNECT WITH EMERGENCY LIGHTS	SUBJECT TO WLAC APPROVAL
301	EXIT SIGNS	LED
302	ELECTRONIC WALL CLOCKS	AMERICAN TIME & SIGNALS (EXISTING)
303	INTERIOR SUSPENDED LIGHTS	LED Tpye, 10 years warranty on LED and Driver
304	LIGHTING/INDOOR-OUTDOOR	
305	VANDAL PROOF LIGHTING FIXTURES	LED Type, 10 years warranty on LED and Driver
306		STONCO, CREE, DECO, COOPER
307	LANDSCAPING FIXTURES	
308	EXTERIOR LIGHTS-PARKING LOT	LED Type, 10 years warranty on LED and Driver
309		CREE, DECO, COOPER
310	LIGHT SENSORS	"WATT STOPPER", LEVITON, LUTRON
311	PARKING LOT	LED Type, 10 years warranty on LED and Driver
312		CREE, DECO, COOPER
313	ATHLETIC FIELD	NOT ALLOWED
314	ELECTRICAL EQUIPMENT	
315	MAIN SWITCHBOARD	SELECTION TO MATCH EXISTING - G.E., EATON, SQUARE D
316	MAIN DISTRIBUTION SWITCHBOARDS	SELECTION TO MATCH EXISTING - G.E., EATON, SQUARE D
317	DRY TYPE TRANSFORMERS	G.E., EATON, SQUARE D

WLAC STANDARD		CAMPUS ALTERNATIVES
318	MAGNETIC MOTOR STARTERS	G.E., EATON, SQUARE D
319		DIALOG PLUS CONTROLLER
320	PANEL BOARDS	SIEMENS, EATON CUTLER HAMMER, GE, SQUARE D
321	MCC (MOTOR CONTROL CENTERS)	SELECTION TO MATCH EXISTING - G.E., EATON, SQUARE D
322	DRIVES	ABB, DANFOSS,
323	ELECTRICAL FINISH FACE PLATES	STAINLESS 302
324	ELECTRIC VEHICLES/ CHARGERS	
325	ELECTRICAL VEHICLES AND CHARGERS	CLUB CAR, EZ GO, CUSHMAN, TAYLOR DUNN
326	EMERGENCY POWER SYSTEM-GRID MATRIX	
327	CONNECT WITH SUMP PUMPS	SIEMENS
328	CONNECT WITH CO2 SENSORS	SIEMENS
329	CONNECT WITH EMS/CMMMS	SIEMENS
330	EMERGENCY MANAGEMENT SYSTEM	
331	EMERGENCY MANAGEMENT SYSTEM	SIEMENS
332	ENERGY MANAGEMENT SYSTEM	SIEMENS
333	FIRE PROTECTION	
334	ELECTRONICS	SIEMENS
335	LIGHTING SUPPLIES	
336	LIGHT BULBS,	LED WITH 10 YEARS WARRANTY ON LED AND DRIVER
337	EMERGENCY POWER SYSTEMS	
338	GENERATORS	ONAN, KOHLER, CATERPILLAR
339	UPS	LIEBERT, APC, EATON
340	INVERTORS	MYERS POWER, LC&D
341	BUILDING LIGHTING CONTROL	N-LIGHT, GREEN GATE, ENCELIUM
342	DIV. 27: COMMUNICATIONS	
343	Data Center Server Enclosures	APC,
344	IDF Data Enclosures	APC, NTC, EATON
345	Network Cabling Systems	AMP, LEVINTON, BERK-TEK - CAT 6 & 6A
346	27 05 00 COMMON RESULTS FOR COMM	
347	Structured Cabling System Warranty	MINIMUM 25 YEAR WARRANTY
348	27 05 26 GROUNDING & BONDING	
349	Bus Bar	LYNCOLE XIT, CHATSWORTH, COPPER B LINE
350	27 05 28 PATHWAYS FOR COMM SYSTEMS	
351	EMT Conduits & Couplings & Connectors	APPLETON, CROUSE-HINDS
352	Conduit Supports	KINDORF, UNISTRUT, THOMAS & BETTS
353	Hangers & Cable Ties	CHATSWORTH PRODUCTS, COOPER B-LINE, CADDY, MONO
354	Metal Outlet Boxes - Double Gang, Extra Deep	APPLETON, RACO, STEEL CITY
355	Pull Boxes and Cabinets	HOFFMAN ENCLOSURES, WIRE GUARD, CHATSWORTH PRODUCTS
356	Cable Tray	COOPER B-LINE, PANDUIT, LEVITON, CHATSWORTH PRODUCTS
357	IDF Data Enclosures	APC, SIEMON, MIDDLE ATLANTIC, CHATSWORTH PRODUCTS
358	27 05 43 UG DUCTS & RACEWAY FOR COMM	

WLAC STANDARD		CAMPUS ALTERNATIVES
359	Manholes	UTILITY VAULT (OLDCASTLE), JENSEN
360	Pull boxes	UTILITY VAULT (OLDCASTLE), JENSEN
361	MH/PB Hardware	INWESCO PRODUCTS
362	Conduits (Schedule 40 or Type C)	CARLON, WIREMOLD, PANDUIT
363	Detectable Warning Tape	CARLON
364	Pull, Rope 1700 lb tensile strength	CARLON
365	Bonding ribbon (In vaults)	INWESCO CAT 12A55
366	Bonding ribbon clamps (In vaults)	INWESCO CAT 12A56
367	Fargo Clamp	INWESCO CAT 12A57
368	Ground Rod	INWESCO CAT 12A60
369	Ground Inserts (Cast Bronze)	INWESCO CAT 12H69
370	Manhole Lids	ALHAMBRA FOUNDRY, OPW
371	Manhole Ladders	ALHAMBRA FOUNDRY - MODEL A-3382 W/ A3383 SUPPORT BAR
372	27 11 00 COMM EQUIP. ROOM FITTINGS	
373	Ladder Racks	CHATSWORTH PRODUCTS, HOMACO, COPPER B LINE
374	Equipment Racks	APC NETSHELTER, SIEMON VERSAPOD, ORTRONICS
375	Wall-Mounted Cabinets	COOPER B-LINE DAMAC, MIDDLE ATLANTIC, CHATSWORTH
376	Horizontal Managers	SIEMON, CHATSWORTH, ORTRONICS, APC
377	Fiber Optic Terminals (FOT's)-Housing	SIEMON, LIGHTSTACK, PANDUIT, SYSTIMAX, CORNING
378	Fiber Terminal Adapters and Connectors	SIEMON RIC-FLC6-01, LIGHTSTACK LS-12-LC-5V-01, LS-12-LC-SM-01, CORNING
379	Plywood	NATIONAL PLYWOOD INDUSTRIES, 1" MINIMUM
380	Fire Retardant Paint	FLAMORT, FIRENOMORE INTERNATIONAL, INTERNATIONAL FIRE RETARDANTS
381	Patch panels	AMP, SIEMON, PANDUIT, CORNING
382	Cable Tags & Splice Labels	3M, PANDUIT, TECH PRODUCTS INC.
383	Protector Panels	EMERSON , CIRCA
384	IP Paging	Singlewire Informacast
385	27 13 00 COMM BACKBONE CABLING	
386	Fiber Tube Cable (OSP and Riser)	SUMITOMO ELECTRIC FUTUREFLEX, CORNING, PANDUIT
387	Fiber Cable - OSP and Riser	SUMITOMO ELECTRIC FUTUREFLEX ABF-50U OM4,CORNING, PANDUIT
388	Copper OSP Cable	SUPERIOR ESSEX, COMMSCOPE, CORNING
389	Splice Cases - Outside	3M,PSI, CORNING, PANDUIT
390	Splice Cases - Inside	3M, CORNING, PANDUIT
391	Splice Bay & Relay Labels	3M
392	ABF Tube Clips	SUMITOMO ELECTRIC FUTUREFLEX
393	27 15 00 COMM HORIZONTAL CABLING	
394	Station Cabling	AMP, BERK-TEK
395	Jacks	AMP, BERK-TEK
396	Faceplates	AMP, SIEMON, PANDUIT, SYSTIMAX
397	Emergency Phone	CALL24
398	Elevator Phone	CALL24

WLAC STANDARD		CAMPUS ALTERNATIVES
399	27 40 00 AUDIO VISUAL	
400	CONTROL SYSTEM	UTELOGY, EXTRON, CRESTRON
401	PROJECTOR	PANASONIC, EPSON, NEC
402	PROJECT SCREEN	DA-LITE, ELITE, EPSON, DRAPER
403	LECTERN	SPECTRUM FREEDOM XRS, FORBES-AV, VREM AV
404	DOCUMENT CAMERA	WOLFVISION, HOVERCAM, SAMSUNG, ALMO
405	ASSISTIVE LISTENING DEVICE	LISTEN TECHNOLOGIES
406	MICROPHONE	SHURE
407	NETWORK SWITCH	CISCO IP BASED-POE+, UPGRADABLE TO LATEST TECHNICAL ADVANCES
408	ANNOTATION DEVICE	SMART TECHNOLOGIES, POLYVISION, STEELCASE
409	INTERACTIVE DISPLAY	SMART TECHNOLOGIES, EPSON
410	CLASSROOM LIGHTING CONTROL	CRESTON, CLIMATEC, LUTRON, LC&D, N-LIGHT, GREEN GATE
411	SPEAKERS	JBL, BOSE, QSC
412	PC COMPUTERS	DELL
413	LECTURE CAPTURE	ENSEMBLE
414	NETWORK DATA SWITCHES	CISCO (W/POE)
415	UPS	APC
416	DIV. 28: ELECTRONIC SAFETY & SECURITY	
417	28 10 00 ELECTRONIC ACCESS CONTROL	
418	Card Readers	HID ICLASS SE contactless smart card (R40 type) - no sub. Requires ICLASS Standard Compatibility, 920NTNTEK00000 (Typical model)
419	Software	Lenel OnGuard
420	Controllers	Lenel OnGuard. LNL 3300
421	Data Center Air Conditioning	LIEBERT, APC, DATA AIRE
422	Classroom AV	UTELOGY, EXTRON
423	Data Center Power Protection	LIEBERT
424	Alarm Initiating Devices	GE/SENTROL
425	Video Management Software	ONSSI OCCULARIES ES
426		EXACQ VISION
427	28 20 00 ELECTRONIC SURVEILLANCE	
428	CCTV Cameras	Review this section to District Standards, PANASONIC, SONY
429	High Definition / MEGA Pixel	ARECONT VISION MEGAVIDEO SERIES
430	Digital VIDEO to IP ENCODER	AXIS: Q741
431	System Server	Lenel Enterprise NVR
432	Recording System	NETAPP FAS2240 or newer
433	TV Panels	Samsung
434	CCTV	PANASONIC- DIGITAL IP
435	Access System	AMAG TECHNOLOGY ENTERPRICE EDITION
436		LENEL ENTERPRISE
437	Motion Detector	BOSCH MODEL D5936, OPTEX
438	SIS Head-End	ZENITEL/STENTONFON

WLAC STANDARD		CAMPUS ALTERNATIVES
439	Wall Mounted Field Devices	TALK A PHONE ETP-WM
440	Freestanding Field Devices	TALK A PHONE ETP-MT/R OP 4 OR 5
441	Interior Building Signs	See 2013 Faculties Master Plan by West Edge
442	Exterior and Architectural Signs	See 2013 Faculties Master Plan by West Edge
443	Pedestrian and MapSigns/Display	See 2013 Faculties Master Plan by West Edge
444	WIRELESS ACCESS POINTS	
445	Indoor Access Points	Cisco Series- latest technologies, HP, ARUBA
446	Outdoor Access Points	Cisco Series- latest technologies W/NEMA 4 ENCLOSURE, HP, ARUBA
447	NETWORK SWITCHES	
448	Data Switches	√ Cisco Catalyst IP Based-POE+
449		HP
450	FIRE ALARM SYSTEM	
451	GENERAL	SIEMENS
452	FIRE ALARM PULL STATION	SUBJECT TO WLAC APPROVAL
453	SPEAKER/STROLL AMBER ALERT	SUBJECT TO WLAC APPROVAL
454	DIV. 32: EXTERIOR IMPROVEMENTS	
455	ANTI GRAFFITI PRODUCTS	3M FILMS
456	IRRIGATION SYSTEMS	
457	IRRIGATION CONTROLLER	HUNTER
458	IRRIGATION - SPRINKLER HEAD	HUNTER 540-4" POP-UP, RAINBIRD 1800
459	IRRIGATION - HEADS	HUNTER I-40 HEADS, HUNTER I-20 HEADS
460	IRRIGATION - CONTROL VALVES	SUPERIOR 950
461	IRRIGATION - PIPES	SCHEDULE 40 PVC PIPE
462	IRRIGATION - FITTINGS	MARLEX SCHEDULE 80 SOCKED WELD FITTINGS
463	IRRIGATION SYSTEMS	HUNTER
464	OUTDOOR FURNITURES	DESIGNER TO SUBMIT FOR WLAC APPROVAL
465	PAVEMENT MARKINGS	DUNN-EDWARDS
466	CONTROLLER REMOTE SITE MANAGEMENT	Toro TriComm Site Management
467	CONTROLLER HAND-HELD REMOTE CONTROL	Toro TMR-1
468	CONTROLLER ENCLOSURE	HUNTER
469	RAIN SENSOR	HUNTER
470	CONTROL WIRE - COMMON	Paige P7001D 12 AWG White
471	CONTROL WIRE - HOT	Paige P7001D 14 AWG Colored
472	WATERPROOF WIRE CONNECTOR	Spears DS-500 Dri-Splice
473	GROUNDING ROD	Paige 182007 with Paige 1820037P Connection
474	DIELECTRIC CONNECTION	Approved by Electrical Engineer
475	BOOSTER PUMP	Barrett Irriboost with Variable Speed Drive and SS Enclosure
476	BASKET STRAINER	Yardney SBx-T Series
478	BASKET STRAINER ENCLOSURE	V.I.T. Strong Box SBBC-xxSS with QP Option
479	PRESSURE REGULATOR	Wilkins 500 Series
480	MASTER VALVE	Toro 220 Brass or Toro P-220S Plastic
481		or Rainbird P220 Brass series with Pressure regulator

WLAC STANDARD		CAMPUS ALTERNATIVES
482	FLOW SENSOR	Toro TFS Series
483	GATE VALVE (2" and SMALLER)	Nibco T-113 Series
484	GATE VALVE (2 1/2" and LARGER)	RESILIENT WEDGE GATE VALVE
485	BALL VALVE (2" and SMALLER)	Nibco T-585-70 Series
486	AIR RELEASE VALVE	Cla-Val #33-A Series
487	QUICK COUPLING VALVE	Rain Bird #44-NP or TORO #44 NP Series
488	ELECTRIC CONTROL VALVE	SUPERIOR 950 SERIES
489	DRIP ZONE	NETAFIM
490	VALVE BOX	NDS Pro Plus Series (green plastic with purple bolt-down cover)
491	MAINLINE PIPING (6" and LARGER)	Pacific Plastics or equal CL200 PVC Gasketed
492	MAINLINE PIPING (2" - 4")	Pacific Plastics or equal CL315 Solvent-Weld PVC
493	MAINLINE PIPING (1 1/2" and SMALLER)	Pacific Plastics or equal SCH 40 Solvent-Weld PVC – Sch 80 PVC
494	LATERL LINE PIPING	Pacific Plastics or equal SCH 40 Solvent-Weld PVC SCH 80 PVC
495	PIPE / WIRE SLEEVING	Pacific Plastics or equal SCH 40 Solvent-Weld PVC
496	PIPE FITTINGS (MAINLINE)	Spears or equal SCH 80 PVC
497	PIPE FITTINGS (LATERAL LINES)	Spears or equal SCH 40 PVC
498	ARTIFICIAL TURF COOLING SYSTEM HEADS	Toro TS90TP Series
499	LARGE TURF ROTOR HEADS	HUNTER
500	MEDIUM ROTOR HEADS	HUNTER
501	SMALL ROTOR HEADS	HUNTER
502	FIXED SPRAY HEADS	RAINBIRD
503	FLOOD BUBBLER	Toro 570Z-PRX-COM-E with Toro FB-PC Nozzle
504	TREE ROOT WATERING SYSTEM	Rain Bird RWS Series
505	DRIP LINE SYSTEMS	NETAFIM
506	DRIP SYSTEM FITTINGS / ACCESSORIES	NETAFIM
507	BIRD DETERRANTS	EAGLE EYE BIRD CONTROL OR EQUAL
508		√ Bird B Gone
509	GROUND PREPARATION FOR LANDSCAPING	NO CONCRETE OR ASPAULT PIECES AND NO AGGREATE OVER ¼", NEW TOP SOIL REQUIRED TOP 6"
510	LANDSCAPE DESIGN	
511	LARGE TREES	Quercus agrifolia [Coast live oak]
512	MEDIUM TREES PRIMARILY FOR SHADE	Quercus ilex [Holly oak]
513		Ulmus parvifolia 'Drake' [Drake Chinese Elm]
514	SMALL TREES FOR FLOWERS & FRAGRANCE	√ Bauhinia 'Blakeana' [Hong Kong orchid tree]
515	n	√ Cassia leptophylla [Gold medallion tree]
516	n	√ Lagerstromia indica [Crape Myrtle]
517	n	√ Tabebuia lpe [Pink trumpet tree]
518	SHRUBS INACTIVE AREAS	Achillea spp. [Yarrow]
519	n	Arctostaphylos 'Sunset' [Sunset manzanita]
520	n	Carpenteria Calif. [Bush anemone]
521	n	Fremontedendron 'California gold' [California fremontia]
522	n	Garrya eliptica [Coast silk tassle]

WLAC STANDARD		CAMPUS ALTERNATIVES
523	n	<input type="checkbox"/> Heteromeles arbutifolia [Toyon]
524	n	<input type="checkbox"/> Heuchera sp. [Alum root]
525	n	<input type="checkbox"/> Penstemon 'Margarita BOP'
526	n	<input type="checkbox"/> Rhamnus calif. 'San Bruno's mound' [Coffeeberry]
527	n	<input type="checkbox"/> Rhus integrifolia, [Lemonade berry]
528	n	<input type="checkbox"/> Ribes sanguineum [Pink flowering currant]
529	n	<input type="checkbox"/> Ribes viburnifolium, [Catalina evergreen currant]
530	n	<input type="checkbox"/> Romneya coulteri [Matilija poppy]
531	SHRUBS IN IRRIGATED AREAS	<input type="checkbox"/> Agave attenuata, [Fox tail agave]
532	n	<input type="checkbox"/> Anigozanthus sp., [Kangaroo paw]
533	n	<input type="checkbox"/> Baccharis pilularis 'Pigeon point' [Coyote bush]
534	n	<input type="checkbox"/> Callistemon 'Little John' Little John bottlebrush
535	n	<input type="checkbox"/> Cistus sp. [Rockrose]
536	n	<input type="checkbox"/> Coelonema pulchrum, [Pink breath of heaven]
537	n	<input type="checkbox"/> Cotoneaster sp. [Cotoneaster]
538	SHRUBS IN IRRIGATED AREAS	<input type="checkbox"/> Elaeagnus pungens [Silverberry]
539	n	<input type="checkbox"/> Hemerocallis sp. [Daylily]
540	n	<input type="checkbox"/> Juniperus sp. [Juniper]
541	n	<input type="checkbox"/> Leptospermum sp. [Australian tea tree]
542	n	<input type="checkbox"/> Ligustrum texanum [Texas privet]
543	n	<input type="checkbox"/> Myrtus communis [Myrtle]
544	n	<input type="checkbox"/> Osmanthus fragrans [Sweet olive]
545	n	<input type="checkbox"/> Phormium tenax [Flax]
546	n	<input type="checkbox"/> Pittosporum tobira sp. [Tobira]
547	n	<input type="checkbox"/> Raphiolepis indica sp. [Indian hawthorne]
548	n	<input type="checkbox"/> Rosmarinus officinalis [Rosemary]
549	n	<input type="checkbox"/> Viburnum tinus sp. [Laurustinus]
550	n	<input type="checkbox"/> Westringia fruticosa [Coast rosemary]