

## LA TRADE TECHNOLOGY COLLEGE CAMPUS STANDARDS- MATRIX

(Note: Campus Preferences are indicated 1st, followed by additional manufacturers in italics which are being considered by LACCD)

PLEASE READ AND FOLLOW THE DIRECTIONS PROVIDED BELOW

Version 20160601

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STANDARD		CAMPUS ALTERNATIVES
1	<b>EXISTING CONDITION</b>	
2	TELEPHONE SYSTEM	CISCO VoIP
3	<b>DIV. 05: METALS</b>	
4	LADDER	ALACO, O'KEEFFE'S, ACL, PRECISION
5	<b>DIV. 06: WOOD, PLASTICS AND COMPOSITES</b>	
6	WALL SHEATHING	G-P GYPSUM OR EQUAL
7	PLASTIC LAMINATE	NEVAMAR, FORMICA, WILSONART, OR EQUAL
8	CABINET DRAWER GLIDES	ACCURIDE 3832
9	CABINET HINGES	ROCKFORD PROCESS CONTROL (RPC) #851
10	CABINET LOCKS	BEST 5L SERIES DEADBOLTS AND STRIKES
11	CABINET MAGNETIC CATCHES	EPCO #591
12	CABINET PULLS	TRIMCO 562-4
13	CABINET SHELF STANDARDS	KNAPE & VOGT (KV) 255
14	<b>DIV. 07: THERMAL &amp; MOISTURE PROTECTION</b>	
15	<b>ROOFING - GENERAL</b>	
16	CLAY TILES	
17	GENERAL	GAF, JOHNS MANVILLE
18	<b>FIREPROOFING</b>	
19	GENERAL	MONOKOTE, CAFCO,
20	BITUMINOUS DAMPPROOFING	WR MEADOWS, HENRY, CARLISLE COATINGS
21	SELF-ADHERING SHEET WATERPROOFING	WR GRACE, WR MEADOWS, CARLISLE COATINGS
22	<b>DIV. 08: OPENINGS</b>	
23	SLIDING METAL FIRE DOOR	SMOKE GUARD OR EQUAL
24	WOOD DOORS - GENERAL	HALEY BROTHERS, INC, MARSHFIELD DOOR SYS, EGGERS INDUSTRIES,
25	ACCESS DOORS	MILCOR, BILCO, KARP
26	WINDOWS	ANDERSEN, PELLA , MARVIN.
27	SLIDING ALUMINUM FRAMED GLASS DOORS	STANLEY
28	OVERHEAD COILING DOORS	COOKSON, OVERHEAD DOOR CO,
29	OVERHEAD COILING GRILLS	OVERHEAD DOORS, COOKSON OR EQUAL
30	ACCORDION FOLDING DOORS	WON-DOOR, HUF COR, WOODFOLD
31	ROOF HATCH	BILCO, MILCOR, KARP
32	STOREFRONTS	ARCADIA OR EQUAL
33	CURTAIN WALL	ARCADIA OR EQUAL
34	<b>HARDWARE</b>	

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35	ANTI VANDAL PULL	TRIMCO 1097HA-SP
36	ANTI VANDAL PULL	TRIMCO 1097HA-SP-NC
37	ANTI VANDAL PULL	TRIMCO 1096HA
38	ARMOR COLLAR	KEEDEK K-24
39	ASTRAGAL	BY DOOR MANUFACTURER / PEMKO 355S
40	AUTO DOOR OPERATOR	LCN 4640-CS
41	AUTO DOOR CLOSER	LCN BY RBA,
42	AUTO FLUSH BOLT	TRIMCO 3825L X 3815L
43	AUTO FLUSH BOLTS	TRIMCO 3820 X 3810
44	BOLLARD ACTUATOR	LCN 8310-3853TWB
45	BOLLARD POST	LCN 8310-866
46	BUTT HINGES	STANLEY
47	CONTINUOUS HINGE	STANLEY 651 X SHIM X EPT PREP
48	CONTINUOUS HINGE	STANLEY 651 X SHIM
49	CONTINUOUS HINGES	STANLEY
50	COORDINATORS	TRIMCO 3094 X 3095/3096 AS REQ'D
51	CYLINDERS	BEST
52	DOOR BOTTOM	PEMKO 216PK
53	DOOR BOTTOM	PEMKO 217PK
54	DOOR HOLDER	LCN PAH-60
55	DOOR STOPS	TRIMCO
56	DOOR SWEEP	PEMKO 3452V
57	DUST PROOF STRIKE	TRIMCO 3911
58	DUST PROOF STRIKE	TRIMCO 3910
59	ELECTRIC LOCKSET	BEST 45HW7DEU X 3H X L/OST
60	ELECTRICAL CABINET KEYING	LL803
61	EXIT DEVICE	VON DUPRIN SD-EL98NL-OP X 110NL AX
62	EXIT DEVICE	VON DUPRIN SD98EO AX
63	EXIT DEVICE	VON DUPRIN CD98NL-OP X 110NL AX
64	EXIT DEVICE	VON DUPRIN CD98EO AX
65	EXIT DEVICES	VON DUPRIN CD99 SERIES 996L-03 LEVER AX
66	FIRE ALARM PANEL KEYING	CAT 45
67	HINGE	STANLEY FBB179 - 4-1/2 X 4-1/2
68	I/C CORE CYLINDER	BEST 1C-7
69	I/C MORTISE CYLINDER	BEST 1E74
70	I/C MORTISE CYLINDER	BEST 1E7G4
71	I/C RIM CYLINDER	BEST 1E72
72	KEYING OF CYLINDER	BEST I/C CORE CYLINDER, 7-PIN.
73	KICK PLATE	TRIMCO KO050 - 10 X 2 LDW B4E

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74	LATCHSET	BEST 45H0N X 3H
75	LOCKSETS	BEST 45H SERIES 3H
76	MOP PLATE	TRIMCO KM050 - 6 X 1 LDW B4E
77	MULLION SEAL	BEST LOCK 5110
78	OVERHEAD COILING DOOR KEY SWITCH CONTROL	VEE INDUSTRIES, INC. 1 KX SURFACE MOUNT KEY SWITCH
79	OVERHEAD STOPS	GLYNN-JOHNSON
80	POWER SUPPLY	VON DUPRIN PS914 X 900-2RS
81	POWER TRANSER	VON DUPRIN EPT-2
82	PRIVACY	BEST 45H0LT X 3H
83	PUSH/PULLS	TRIMCO
84	REMOVABLE MULLION	VON DUPRIN KR4954 X MT54
85	SILENCERS	TRIMCO 1229A
86	SMOKE SEALS	PEMKO S44 HEAD & JAMBS
87	SURFACE CLOSER	LCN P4041-SCNS
88	SURFACE CLOSER	LCN P4041-EDA
89	SURFACE CLOSER	LCN P4041-H-EDA
90	SURFACE CLOSERS	LCN 4041 SERIES WITH "EDA" ARMS.
91	THRESHOLD	PEMKO
92	WALL ACTUATOR	LCN 8310-853TWP
93	WALL BUMPER	TRIMCO 1270CVPV
94	WEATHERSTRIP	PEMKO 2891S HEAD & JAMBS
95	WIRELESS RECEIVER	LCN 8310-865
96	<b>RESTROOM ENTRY DOORS</b>	
97	HOLLOW METAL DOORS, MINIMUM REQUIREMENTS	SDI-100 GRADE II MODEL 3, 1 3/4 INCHES THICK.
98	HOLLOW METAL FRAMES, MINIMUM REQUIREMENTS	16 GAUGE THICK MATERIAL, TO SUIT DOOR.
99	MARBLE THRESHOLDS AT TOILET ROOM ENTRANCES	GROUP "A" MARBLE AS CLASSIFIED BY THE MARBLE INSTITUTE OF AMERICA
100	METAL DOOR LOUVERS ( AT RATED OPENINGS)	ANEMOSTAT FLDL-UL-SG2 LOUVER
101	METAL DOOR LOUVERS (AT NON-RATED OPENINGS)	ANEMOSTAT PLSL LOUVER
102	<b>WINDOW TREATMENTS</b>	
103	WINDOW COVERING	LEVELOR RIVERA, HUNTER DOUGLAS
104	DECORATIVE FILMS	3M, LLUMAR/VISTA, METROPOLITAN WEST
105	<b>DIV. 09: FINISHES</b>	
106	CARPET	TANDUS
107	CARPET MODULES	TANDUS
108	EPOXY FLOORING- (EXTERIOR)	NEOGARD

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109	HIGH PERFORMANCE COATINGS	DUNN EDWARDS, SHERWIN WILLIAMS
110	FLOOR MATS/WALK-OFF MATS	TANDUS
111	HARD SURFACE (GYMNASIUM)	MONDO, AACER, NOBLE HOUSE, TERAFLEX
112	PAINT	DUNN EDWARDS, OR EQUAL
113	GRAFFITI RESISTANT COATINGS	PERMASHIELD PREMIUM, GENESIS COATING
114	GRAFFITI RESISTANT FILM	3M, JOHNSON WINDOW FILMS
115	RAISED FLOORING SYSTEMS	TATE, ACCESS FLOOR CO,
116	RESILIENT TILES/SHEET FLOORING	JOHNSONITE, ARMSTRONG, MANNINGTON OR EQUAL
117	SEAMLESS FLOORING	JOHNSONITE, ARMSTRONG, MANNINGTON OR EQUAL
118	VCT	JOHNSONITE, ARMSTRONG, MANNINGTON OR EQUAL
119	RESINOUS FLOORING-EPOXY	STONHARD, CROSSFIELD PRODUCTS, TNEDEC
120	FIBERGLASS REINFORCED PLASTIC PANELS	MARLITE, KEMLITE/CRANE, GLASTEEL
121	WALL BASE	JOHNSONITE, ARMSTRONG, MANNINGTON OR EQUAL
122	WALL COVERINGS	DESIGNER WALLCOVERINGS/SAND, LLC
123	<b>PORCELAIN TILE-CERAMIC</b>	
124	GENERAL	DALE TILES
125	MOTAR/GROUT	LATICRETE
126	TERRAZZO/MARBLE TILES	FRITZTILE OR EQUAL
127	<b>RESTROOM FINISHES</b>	
128	CEMENTITIOUS GROUT (FLOOR TILE)	LATICRETE® PERMACOLOR™, OR APPROVED EQUAL.
129	EPOXY GROUT (WALL TILE)	LATICRETE® SPECTRALLOCK® PRO PREMIUM GROUT, OR APPROVED EQUAL.
130	FLOOR TILE	DALTILE, OR APPROVED EQUAL.
131	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. <b>“SANIGLAZE PROCESS” SYSTEM (WWW.SANIGLAZE.COM)</b>
132	WALL TILE	DALTILE, OR APPROVED EQUAL.
133	WATERPROOF MEMBRANE	LATICRETE® HYDRO BARRIER™, OR APPROVED EQUAL.
134	<b>CEILING SYSTEMS</b>	
135	ACUSTICAL TILE	ARMSTRONG, USG
136	ACOUSTICAL SUSPENSION SYSTEM	ARMSTRONG, USG OR CHICARGO METALLIC CO,

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137	INTERIOR SUSPENDED LIGHTS	PRUDENTIAL, LITHONIA
138	<b>DIV. 10: SPECIALTIES</b>	
139	LOCKERS - GENERAL	LYON METAL PRODUCTS, REPUBLIC, PENCO
140	MARKER BOARD	ABC SCHOOL SUPPLIES, EGAN VISUAL, ADP LEMCO
141	TACKBOARDS	ABC SCHOOL SUPPLIES, ADP LEMCO
142	OPERABLE PARTITIONS	WON DOOR, HUF COR AIRWALL,
143	WALL AND CORNER GUARDS	CONSTRUCTION SPECIALTIES, INC., BALCO, PAWLING,
144	<b>RESTROOM SPECIALTIES</b>	
145	BATHROOM PARTITIONS	BOBRICK SIERRASERIES® WATER-AND FIRE-RESISTANT SOLID COLOR REINFORCED COMPOSITE TOILET PARTITIONS AND URINAL SCREENS, OR CAMPUS APPROVED EQUAL.
146	DIAPER-CHANGING STATION:	KOALA KARE PRODUCTS MODEL KB-110-SSWM HORIZONTAL WALL MOUNTED STAINLESS STEEL FINISH BABY CHANGING STATION, OR APPROVED EQUAL.
147	FOLDING SHOWER SEATS	BOBRICK MODEL B-5181 REVERSIBLE SOLID PHENOLIC FOLDING SHOWER SEAT, OR APPROVED EQUAL.
148	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.)
149	HAND DRYERS	BRADLEY MODEL 2897-28 RECESSED HAND DRYER, MAXIMUM 4" PROJECTION FROM WALL, OR APPROVED EQUAL.
150	KEYING FOR TOILET ACCESSORIES	BOBRICK KEY #2055
151	LAVATORY SINK (COUNTERTOP):	AMERICAN STANDARD MODEL 0476.028 AQUALYN™ VITREOUS CHINA COUNTERTOP SINK, OR APPROVED EQUAL.
152	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.
153	MIRRORS (FRAMED)	BOBRICK B-290 SERIES, 18" X 36", OR APPROVED EQUAL.
154	PAPER TOWEL DISPENSERS (AT STAFF/FACULTY RESTROOMS ONLY)	BOBRICK MODEL B-2860 SURFACE MOUNTED TOLL TOWEL DISPENSER, OR APPROVED EQUAL.
155	SANITARY NAPKIN	BOBRICK MODEL B-3706C STAINLESS STEEL SEMI-RECESSED NAPKIN/TAMPON DISPENSER, OR APPROVED EQUAL.

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STANDARD		CAMPUS ALTERNATIVES
156	SANITARY NAPKIN DISPOSALS	RECESSED SANITARY NAPKIN DISPOSAL: BOBRICK MODEL B-353, OR APPROVED EQUAL / PARTITION-MOUNTED SANITARY NAPKIN DISPOSAL: BOBRICK MODEL B-354, 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	SOAP DISPENSERS	TECHNICAL CONCEPTS LLC "TC ENRICHED FOAM SOAP SYSTEM" 800ML FOAM SOAP DISPENSER STAINLESS STEEL WITH KEYED LOCK, MODEL TC750382, OR APPROVED EQUAL.
162	TOILET SEAT COVER DISPENSERS	NEATSEAT® TOILET SEAT COVER DISPENSER, STAINLESS STEEL, MODEL #FH33SS NEATSEAT; OR APPROVED EQUAL.
163	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.
164	TOILET TISSUE DISPENSERS	BOBRICK MODEL B-2892 SURFACE-MOUNTED TWIN JUMBO-ROLL TOILET TISSUE DISPENSER, FOR NONE ADA
165	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.
166	UTILITY SHELF	BOBRICK MODEL B-298 STAINLESS STEEL SHELF, 24" MINIMUM LENGTH X 8" DEPTH, OR APPROVED EQUAL.
167	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.
168	WASTE RECEPTACLES (AT STAFF/FACULTY RESTROOMS ONLY)	BOBRICK MODE B-3644 RECESSED WASTE RECEPTACLE, OR APPROVED EQUAL.
169	<b>MISC. SPECIALTIES</b>	
170	EMERGENCY RESPONDER LOCK BOX	KNOX BOX 3200 SERIES

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171	EVACUATION CHAIR	GARAVENTA LIFT, STRYKER EMS OR EQUAL
172	REMOVABLE STEEL BOLLARD	CALPIPE SECURITY BOLLARDS
173	FLEXIBLE BOLLARDS	RELIANCE FOUNDRY, BC CANADA
174	<b>FIRE PROTECTION</b>	
175	FIRE ALARM SYSTEM	EST3 BY GE
176	EXTINGUISHERS/CABINETS	POTTER-ROEMER, J.L. INDUSTRIES,
177	FIREPROOFING	MONOKOTE, CAFCO,
178	<b>BLEACHERS</b>	
179	INTERIOR, GYMNASIUM, TELESCOPIC, STND.	
180	<b>DIV. 11: EQUIPMENTS</b>	
181	<b>PARKING CONTROL</b>	
182	PARKING GUIDANCE SYSTEM	
183	LOADING DOCK LEVELERS	MECHANICAL TYPE ONLY
184	<b>CULINARY SPECIALTIES</b>	
185	FOOD SERVICE EQUIPMENT MFR	HOBART
186	KITCHEN, APPLIANCES MFR.	GE, WHIRLPOOL,
187	PROJECTION SCREENS	DALITE
188	PROJECTOR MOUNTS	CHIEF MAUNFACTURING OR EQUAL
189	LAB FUME HOOD	KEWAUNEE SCIENTIFIC
190	<b>VACATIONAL SHOP EQUIPMENTS</b>	
191	<b>DIV. 12: FURNISHINGS</b>	
192	WINDOW SHADES	MECHO-SHADE CORP OR EQUAL
193	METAL LAB CASEWORK	KEWAUNEE SCIENTIFIC, HANSON, HAMILTON
194	LAMINATED CASEWORK	KEWAUNEE SCIENTIFIC, HANSON, HAMILTON
195	WOOD LAB CASEWORK	KEWAUNEE SCIENTIFIC, HANSON, HAMILTON
196	HEALTHCARE CASE WORK	
197	<b>DIV. 13: SPECIAL CONSTRUCTION</b>	
198	MODULAR STRUCTURES	GE, CAPITAL, WILLIAMS SCOTSMAN, AURORA
199	<b>DIV. 14: CONVEYING EQUIPMENT</b>	
200	HYDRAULIC ELEVATORS-PASSENGER	THYSSENKRUPP, OTIS,
201	HYDRAULIC ELEVATORS-FREIGHT	THYSSENKRUPP, OTIS, MONTGOMERY KONE
202	WHEEL CHAIR LIFT	GARVENTA LIFT,
203	DUMBWAITER	MATOT, TL SHIELD
204	<b>DIV. 21: FIRE SUPPRESSION</b>	
205	VALVES	RELIABLE, TYCO, NIBCO

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206	FIRE PROTECTION EQUIPMENTS	RELIABLE, TYCO, VIKING
207	FIRE DEPARTMENT CONNECTIONS	POTTER-ROEMER, CROKER, ELKHART
208	POST INDICATOR VALVES	CLOW, MUELLER
209	FLOW AND TEMPER SWITCHES	NOTIFIER, POTTER ELECTRIC
210	FIRE HYDRANTS	CLOW VALVE, RICH VALVE,
211	<b>DIV 22: PLUMBING</b>	
212	BACKFLOW PREVENTER VALVES	WILKIN, FEBCO
213	BACKWATER VALVES	ZURN, J.R. SMITH
214	CHECK VALVES	MILWAUKEE, ZURN, COMBRACO OR EQUAL
215	CLEAN OUTS	NIBCO, ZURN
216	DRAIN PUMPS	SWABY, WILPUMPM PACO, PEERLESS
217	DRAINAGE SYSTEMS	ZURN, J. R. SMITH MFR CO
218	DRINKING FOUNTAINS	HAWS,
219	ELECTRIC SELF-REGULATING T&M CABLE	RAYCHEM CORP. THERMON COMMERCIAL PROD. DIVISION
220	GROOVED MI FITTINGS & COUPLINGS	VICTAULIC CO, GRUVLOK CO.
221	NO HUP COUPLINGS	ANANCO, TYLER, M.G. COUPLING
222	NOISELESS CHECK VALVES	WILLIAMS GAUGE CO., MILWAUKEE VALVE
223	SHUT-OFF VALVES	ACCORN OR EQUAL
224	TRENCH -FUNNEL DRAINS	STOCKHAM VALVES & FITTINGS CO., NIBCO
225	VALVES AND ACCESSORIES	NIBCO, ZURN
226	<b>RESTROOM PLUMBING/FIXTURES</b>	
227	ANGLE STOP FITTING WITH LOOSE KEY	CHICAGO FAUCETS MODEL 1013-ABCP, OR EQUAL.
228	AUTOMATIC FLUSH VALVES, HARD-WIRED	SLOAN #111-1.28-ES-S-YO ROYAL OPTIMA ELECTRONIC "NO TOUCH" FLUSH VALVE UNIT, SLOAN #EL-154 TRANSFORMER, OR APPROVED EQUAL.
229	COPPER WATER TUBING	A. WATER, BELOW GRADE: TYPE K (HEAVY WALL).
230		B. WATER, ABOVE GRADE: TYPE L (MEDIUM WALL).
231		C. CONDENSATE: TYPE M (LIGHT WALL).
232	SERVICE SINK FAUCETS	CHICAGO WALL MOUNT
233	FAUCETS	CHICAGO, AMERICAN STANDARD, KOHLER
234	FLOOR DRAINS WITH ADJUSTABLE STRAINER HEADS	JAY R. SMITH MFG. CO. MODEL 2005Y (ROUND TOP), OR APPROVED EQUAL.
235	HOSE BIBB BOXES	STAINLESS STEEL RECESSED HOSE BOX. HOSE BIBB SHALL BE OPERABLE WITH LOOSE KEY HANDLE.



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STANDARD		CAMPUS ALTERNATIVES
236	LAVATORY FAUCET AND DRAIN (RESTROOM LAVATORIES SHALL BE SUPPLIED WITH HOT AND COLD WATER)	A. HOT AND COLD WATER SINK FAUCET: CHICAGO FAUCETS MODEL 802-VABCP, OR APPROVED EQUAL.
237		B. SINGLE SUPPLY METERING SINK FAUCET: CHICAGO FAUCETS MODEL 3400-ABCP, OR APPROVED EQUAL.
238		C. HOT AND COLD WATER MIXING METERING SINK FAUCET: CHICAGO FAUCETS MODEL 857- 665PSHABCP, OR APPROVED EQUAL.
239		1. CONCEALED MECHANICAL MIXING VALVE: CHICAGO FAUCETS MODEL 242.165.AB.1, OR APPROVED EQUAL.
240		D. DRAIN GRID STRAINER WASTE: CHICAGO FAUCETS MODEL 327-XCP, OR APPROVED EQUAL.
241	PISTON OPERATED WATER HAMMER ARRESTOR	MIFAB® MWH SERIES, OR APPROVED EQUAL.
242	RESTROOM ACCESSORIES	BOBRICK, BRADLEY
243	SHOWER FAUCETS AND HEADS	A. ACCESSIBLE SHOWERS: SYMMONS TEMPTROL II™ (2000 SERIES) SHOWER SYSTEM WITH HAND SPRAY, MODEL 25-500-B30-V, OR APPROVED EQUAL.
244		B. NON-ACCESSIBLE SHOWERS: SYMMONS 2000™ SERIES SHOWER SYSTEM (INCLUDES CLEAR- FLO SHOWER HEAD WITH ARM AND FLANGE), MODEL 25-1, OR APPROVED EQUAL.
245		C. PROVIDE A SHUT-OFF VALVE IN A STAINLESS STEEL RECESSED WALL VALVE BOX WITH 1/8" ALLEN HEAD CAM LATCH, FOR EACH MANIFOLD SUPPLYING SHOWERS. MILCOR VERSATILE VALVE BOX IN SIZE AS DETERMINED BY ARCHITECT, OR APPROVED EQUAL.
246	SINKS	VITREOUS CHINA LAVATORIES, KOHLER, AMERICAN STANDARD, FALCON
247	TOILET FIXTURES	AMERICAN STANDARD, KOHLER, SOLAN
248	TRAP PRIMER	SOLAN ROYAL FLUSHOMETER, REGAL
249	VALVES - TOILETS, URINALS	SLOAN-AUTOMATIC,
250	WASTE AND VENT PIPE AND FITTINGS	A. CERTIFIED TO CONFORM TO ASTM A888.
251		B. CERTIFIED TO CONFORM TO CISPI 301.
252	WASTE AND VENT ABOVE GRADE COUPLINGS	CONFORM TO ASTM C564
253	WATER CLOSET: FLOOR-MOUNTED (ACCESSIBLE)	USE ONLY WHERE THE INSTALLATION OF A WALL-HUNG WATER CLOSET IS IMPOSSIBLE. AMERICAN STANDARD MADERA MODEL 3043.001, OR KOHLER HIGHLINE MODEL K-4405, OR APPROVED EQUAL
254	WATER CLOSET: FLOOR-MOUNTED (NON-ACCESSIBLE)	USE ONLY WHERE THE INSTALLATION OF A WALL-HUNG WATER CLOSET IS IMPOSSIBLE. AMERICAN STANDARD MADERA MODEL 3451.001, OR KOHLER WELLWORTH MODEL K-4406, OR APPROVED EQUAL.

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STANDARD		CAMPUS ALTERNATIVES
255	WATER CLOSET: WALL HUNG (PREFERRED)	AMERICAN STANDARD AFWALL ELONGATED BOWL MODEL 3351.001, OR KOHLER KINGSTON MODEL K-4325, OR APPROVED EQUAL.
256	WATERLESS URINALS	DO NOT USE
259	<b>WATER HEATERS/BOILERS</b>	
260	ELECTRIC WATER HEATER	A.O. SMITH MODEL DEL-50, OR APPROVED EQUAL.
261	GAS WATER HEATER	A.O.SMITH, RHEEM, AMERICAN, STATE, LOCHINVAR
262	BOILER	LOCKINVAR, RAYPACK
263	<b>PIPE</b>	
264	DOMESTIC, IRRIGATION, FIRE	CPVC CHLORINATED POLY VINYL CHLORIDE PIPE, COPPER
265	UNDERGROUND WATER PIPING	SCHEDULE 40 AND SCHEDULE 80
266	<b>PIPE TUBING AND FITTINGS</b>	
267	BRASS PIPE	RED BRASS, SCHEDULE 40, LEAD FREE
268	BRASS SCHEDULE 40 SOLDER JOINT FTG'S	DOMESTIC
269	BUILDING DRAIN, WASTE & VENT	PVC MATERIAL, STANDARD ASTM,D2661-87 FOR 3 STORIES OR LESS, CAST IRON
270	COPPER TUBING	TYPE "K"
271	GAS PIPING	PE- NATURAL GAS YARD PIPING, LEED FREE, WRAPPED GREEN PIPE
272	PIPE AND FITTINGS	STANDARD D2751-88 CAST IRON, NO-HUB PIPE AND FITTINGS (WASTE)
273	STEEL PIPE	GALVANIZED OR BLACK SCHEDULE 40 DOMESTIC
274	EMERGENCY EYEWASH & SHOWER	HAWS, BRADLEY
275	<b>DIV. 23: HEATING, VENTILLATION &amp; AIR CONDITIONING (HVAC)</b>	
276	A/C UNITS WALL MOUNTED	BARD, CARRIER,
277	A/C UNITS, ROOF MOUNTED	TRANE, CARRIER, YORK
278	AIR HANDLERS	YORK, TRANE,
279	COOLING TOWERS	BALTIMORE AIR COOL (STAINLESS STEEL)
280	MOTOR CONTROLS	ALLEN-BRADLEY, SQUARE D, GENERAL ELECTRIC
281	MOTORS	BALDOR VARIABLE SPEED, BALTIMORE, BAC, S.S GE
282	OTHER FILTERS	AMERICAN, FLORENCE, FAN & TRIDERN
283	PUMPS	TACO, BELL & GOSSETT, ARMSTRONG,
284	ENERGY MANAGEMENT SYS	SIEMENS BUILDING TECH SYS 900 APOGEE
285	HVAC GRAVITY ROOF VENT	COOK, GREENHECK
286	GAS FIRED PACKAGE CONDENSING BOILERS	RAYPACK, LOCKINVAR
287	INFRARED GAS RADIANT HEATERS	SUNPAK, SUPERIOR RADIANT PRODUCTS

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STANDARD		CAMPUS ALTERNATIVES
288	ROOF EXHAUST FAN	COOK, GREENHECK
289	<b>MECHANICAL SYSTEMS</b>	
290	AIR COOLED CHILLER	CARRIER, YORK, TRANE, MCQUAY
291	AIR HANDLER UNITS	ENERGY LAB INC.
292	WATER TREATMEN	CLEARWATER SYS CO
293	BOILER-HOT WATER	LOCKINVAR, RAYPACK, PARKER
294	BOILER CONTROLS-STEAM	PARKER
295	CENTRIFUGAL AIR COOLED CHILLER	CARRIER, YORK, TRANE, MCQUAY
296	CHILLER ABSORBTION CHILLER	CARRIER, YORK, TRANE, MCQUAY
297	CHILLER-GENERAL	CARRIER, YORK, TRANE, MCQUAY
298	OTHER ABSORBTION CHILLER	CARRIER, YORK, TRANE, MCQUAY
299	SCREW-TYPE AIR COOLED CHILLER	CARRIER, YORK, TRANE, MCQUAY
300	SCREW-TYPE WATER COOLED CHILLER	CARRIER, YORK, TRANE, MCQUAY
301	WATER-COOLED	CARRIER, YORK, TRANE, MCQUAY
302	WATER-COOLED CHILLER	CARRIER, YORK, TRANE, MCQUAY
303	WATER SOURCE HEAT PUMP UNITS	MCGUAY
304	<b>FANS-ROOF, WALL &amp; CEILING MOUNTED</b>	
305	GENERAL	DAYTON, COOK OR APPROVED EQUAL
306	<b>DIV. 26: ELECTRICAL</b>	
307	<b>RESTROOM ELECTRICAL</b>	
308	KEYED LIGHT SWITCHES	HUBBELL HBL EXTRA HEAVY DUTY INDUSTRIAL LOCKING SERIES, BACK AND SIDE WIRED 15A, 120-277V AC; OR LEVITON EXTRA HEAVY DUTY SPECIFICATION GRADE KEY LOCKING SWITCHES.
309	LIGHT FIXTURES	A. VANDAL-RESISTANT CONSTRUCTION PREFERRED.
310		B. LISTED FOR DAMP OR WET LOCATIONS.
311		C. LAMPING: T8 OR CFL.
312	<b>LIGHTING/INDOOR-OUTDOOR</b>	
313	ATHLETIC FIELD	MUSCO
314	PARKING LOT	LED BY GE, LITHONA, ASL
315	VANDAL PROOF LIGHTING FIXTURES	LED BY EATON, LAMAR,LUMINAIRE
316	<b>LIGHTING SUPPLIES</b>	
317	BALLASTS	GE, SYLVANIA, PHILLIPS
318	LIGHT BULBS, FLOURESCNETS T-8'S	GE, SYLVANIA, PHILLIPS
319	NEW CONSTRUCTION	LED BY GE, LITHONIA, ASL
320	<b>ELECTRICAL EQUIPMENT</b>	

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321	VARIABLE FREQUENCY DRIVES	ABB, DANFOSS
322	DRY TYPE TRANSFORMERS	WESTINGHOUSE, SQUARE D
323	GENERAL LIGHT SWITCHES	LEVITON, HUBBELL
324	GENERAL RECEPTACLES	LEVITON, HUBBELL
325	GENERAL SAFETY SWITCHES	GE, SQUARE D
326	HIGH & MEDIUM VOLTAGE TRANSFORMERS	STANDARD GENERAL DRY-TYPE-SQUARE D
327	LIGHTING CONTROL PANELS	LCD, GR 1400 SERIES, BLUETRON
328	LOW VOLTAGE & TELECOM CONDUCTORS	APPROVED NEC COPPER CONDUCTORS ONLY- THHN/THWN
329	LOW VOLTAGE TRANSFORMERS	SQUARE D
330	MAGNETIC MOTOR STARTERS	SQUARE D
331	MAIN DISTRIBUTION CONDUCTORS	XLP OR EPR (COOPER CONDUCTORS ONLY)
332	MAIN DISTRIBUTION SWITCHBOARDS	SQUARE D
333	MAIN SWITCHBOARD	G.E. SQUARE D, SELECTION TO MATCH EXISTING
334	MCC (MOTOR CONTROL CENTERS)	SQUARE D
335	PANELBOARDS	SQUARE D, GE, CUTLER-HAMMER, SIEMENS
336	RACEWAYS	
337	SECONDARY DISTRIBUTION CONDUCTOR	APPROVED NEC COPPER CONDUCTORS ONLY- THHN/THWN
338	SOFT START MOTOR STARTERS	GE, SQUARE D, SIEMENS.
339	SUBSTATIONS	STANDARD GENERAL DRY-TYPE-SQUARE D
340	TERMINAL AIR UNITS VAV'S	TITUS, KRUEGER OR CAMPUS APPROVED EQUIVALENT
341	<b>ELECTRICAL FIXTURES</b>	
342	INTERIOR ELECTRICAL LIGHT FIXTURES	T-8 TUBES, LED BY GE, LITHONIA, HUBBELL
343	LIGHT SWITCHES & SENSORS	"WATT STOPPER", LEVITON
344	EXIT SIGNS	LED, ACTIVE SAFETY™, SPECTRON, OR EQUAL
345	EXTERIOR LIGHTS	BEGA LIGHTING
346	TIME CLOCKS - TIME SWITCHES	LC&D, BLUETRON
347	STORAGE/TRANSFER	HP, DELL, SIEMEN'S, CISCO...SEE I.T. STANDARDS
348	TELEPHONE SYSTEM	CISCO VOIP SYSTEMS, SEE I.T. STANDARDS
349	<b>ELECTRICAL VEHICLES AND CHARGERS</b>	

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350	CHARGER MFR	GE, ABB, BOSCH
351	VEHICLE MFR	TAYLOR DUNN, HONDA
352	<b>EMERGENCY POWER SYSTEMS</b>	
353	ENERGY MANAGEMENT	SEIMENS
354	GENERATORS	CATERPILLAR
355	UPS	LIEBERT, APC
356	CLOCK SYSTEMS	AMERICAN TIME (EXISTING)
357	<b>DIV. 27: COMMUNICATIONS</b>	
358	<b>CLASSROOM TECHNOLOGIES</b>	
359	IP PAGING	SINGLEWIRE INFORMACAST
360	<b>NETWORK COMMUNICATION SYSTEMS</b>	
361	AIR BLOWN FIBER SYSTEM (ABF)	SUMITOMO FUTUREFLEX
362	IDF DATA ENCLOSURES	SIEMON VersaPod, SIEMON V-800, SIEMON V-600, APC
363	NETWORK CABLING SYSTEMS	SIEMON 10G SHIELDED CAT 6A Z-MAX
364	NETWORK DATA SWITCHES	CISCO (W/POE)
365	UPS	APC, EATON, MGE
366	<b>DIV. 28: ELECTRONIC SAFETY &amp; SECURITY</b>	
367	<b>SYSTEM CCTV/ STANDARD</b>	
368	AIR BLOWN FIBER SYSTEM (ABF)	SUMITOMO FUTUREFLEX
369	CCTV	PANASONIC- DIGITAL IP
370	CLASSROOM AV	EXTRON, UTELOGY
371	DATA CENTER AIR CONDITIONING	DATA AIRE, APC
372	DATA CENTER POWER PROTECTION	LIEBERT, EATON, APC
373	DATA CENTER SERVER ENCLOSURES	APC
374	IDF DATA ENCLOSURES	APC
375	NETWORK CABLING SYSTEMS	SIEMON 10G CAT 6A MAX. ADC TRUENET, COPPER TEN CAT6A
376	NETWORK DATA SWITCHES	CISCO (W/POE)
377	<b>ACCESS CONTROL AND SURVILLANCE</b>	
378	ACCESS SYSTEM	AMAG TECHNOLOGY ENTERPRICE EDITION
379	ALARM INITIATING DEVICES	GE/SENTROL
380	MOTION DETECTOR	BOSCH MODEL D5936
381	VIDEO MANAGEMENT SOFTWARE	ONSSI OCCULARIES ES
382	CARD READERS	HONEYWELL

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<b>STANDARD</b>		<b>CAMPUS ALTERNATIVES</b>
383	<b>SECURITY INTERCOMMUNICATION SYSTEM</b>	
384	SIS HEAD-END	ZENITEL/STENTONFON
385	WALL MOUNTED FIELD DEVICES	TALK A PHONE ETP-WM
386	FREESTANDING FIELD DEVICES	TALK A PHONE ETP-MT/R OP 4 OR 5
387	<b>SIGNAGE/IDENTIFICATION DEVICES</b>	
388	Interior Building Signs	Campus Wayfinding and Signage Program by Biesek Design dated 2/23/2010 "A" and "B" Series
389	Exterior and Architectural Signs	Campus Wayfinding and Signage Program by Biesek Design dated 2/23/2010 "X" Series
390	Pedestrian and Map Signs/Display	Campus Wayfinding and Signage Program by Biesek Design dated 2/23/2010 "P" Series
391	Roadway, Vehicular and Parking Signage	Campus Wayfinding and Signage Program by Biesek Design dated 2/23/2010 "R" Series
392	Room Signs	Campus Wayfinding and Signage Program by Biesek Design dated 2/23/2010 Sheet "ST A4/00" & "ST A6/00"
393	<b>DIV. 32: EXTERIOR IMPROVEMENTS</b>	
394	<b>IRRIGATION SYSTEMS</b>	
395	IRRIGATION CONTROL SYS	RAINBIRD
396	IRRIGATION	HUNTER 540-4" POP-UP SPRINKLER HEADS
397	IRRIGATION	HUNTER I-40 HEADS
398	IRRIGATION	HUNTER I-20 HEADS
399	IRRIGATION	RAINBIRD ELECTRIC REMOTE CONTROL VALVES
400	IRRIGATION	SCHEDULE 80 PVC PIPE
401	IRRIGATION	SCHEDULE 80 SOCKED WELD FITTINGS
402	IRRIGATION SYSTEMS	RAINBIRD
403	ANTI GRAFFITI FILMS	3M
404	PAVEMENT MARKINGS	DUNN-EDWARDS
405	<b>DIV. 33 UTILITIES</b>	
406	<b>STORM DRAIN UTILITY SYS</b>	
407	CATCH BASINS	CHRISTY CONCETE PRODUCTS
408	TRENCH DRAINS	NDS
409	<b>FIXTURES, FURNISHINGS &amp; EQUIPMENT</b>	
410	OF-1 (President, Vice President)	
411	Desk:	Haworth Masters Series (Wood Veneer Casegoods, finger pull) , or equal
412	Task Chair:	Krug Dorso E Highback with Adjustable Arms
413	Guest Chairs	Krug Sloane Lounge Chair
414	Conference Table:	Krug Virtu Conference Table with Connexus box mounted over bases
415	Side Table:	Krug Prado Occasional Table
416	Conference Chairs:	
417	OF-2 (Dean, Associate Dean, Director, Compliance Office)	

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418	Desk:	Haworth Masters Series (Wood Finish Horizontal Surfaces; Laminate Vertical Surfaces) , or equal
419	Task Chair:	KI or Haworth
420	Guest Chairs Alt 1:	KI Rapture with arms, upholstery. Seat, poly back , or equal
421	Guest Chairs Alt 2:	Haworth Improv with arms, upholstery. Seat, or equal
422	Display	Platinum Visual or Haworth
423	OF-3 (Manager, Supervisor, Counselor)	
424	Desk:	Haworth Masters Series (Laminate Surfaces) , or equal
425	Task Chair:	KI or Haworth
426	Guest Chairs Alt 1:	KI Rapture with arms, upholstery. Seat, poly back , or equal
427	Guest Chairs Alt 2:	Haworth Improv with arms, upholstery. Seat, or equal
428	OF-4 (Supervisor, Staff)	
429	Desk:	Haworth Enhanced Premise with overheads, task light and base feeds , or equal
430	Task Chair:	KI or Haworth
431	Storage	
432	Alt 1 (Storage Cabinet):	Haworth Masters Series or X Series, 30-42" wide (2-, 3- or 4-high) JSPY-0436-s1, or equal
433	Alt 2 (Bookcase):	Haworth Masters Series or X Series, 30-42" wide (2-, 3- or 4-high) , or equal
434	Alt 3 (File Cabinet):	Haworth Masters Series or X Series Lateral File, 30-42" wide (2-, 3- or 4- high) with ellipse pull, common top and counterweight as needed, , or equal
435	Alt 4 (Mobile Ped):	Haworth Masters Series (finger pull) or X Series Mobile Ped (ellipse pull), w/ or w/o Cushion, B/F or F/F with lock
436	Meeting Table:	Haworth Masters Series 36" Dia Meeting Table or equal
437	Accessories:	
438	Keyboard Trays	Alt 1: HumanScale HS 6FB259-F12 adjustable
439		Alt 2: HumanScale HS 5G 9001 IDF 5G Mech w/std Platform
440	Display:	Alt 1: Haworth-Premise Wall-Mounted Tackboard, 16"x42" , or equal
441		Alt 2: Whitboard by Hawprth or Platinum Visual
442	Reception Areas	
443	Desk:	Haworth-Enhanced Premise, or equal
444	Task Chair:	KI Piretti 200 , or equal
445	Guest Chairs	Soft Seating: Haworth, KI Coalesse or Arcadia
446	Occasional Tables:	Haworth Galerie or equal
447	Conference Rooms/Meeting rooms	
448	Tables1:	Haworth Kinetics Tables ganged with locking casters
449	Conf Room Chairs	Alt 1: Haworth X99 Adv Seminar Chairs (X641-2120) Mesh Seat/Fabric Back, Fixed Arms, Casters , or equal
450		Alt 2: Haworth Improv Series SE (M235-3742) Mesh Back/Fabric Seat, Fixed arms, Casters , or equal

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451	Misc:	Whiteboards by Platinum Visual
452	Staff Lounge	
453	Chairs	Soft Seating: Haworth, KI Coalesse or Arcadia
454	Occasional Tables:	Haworth Galleries Occasional Tables , or equal
455	Appliances and Misc:	
456	Refrigerator:	Side-by-Side ADA compliant freestanding refrigerator/freezer, no icemaker, or equal
457	Undercounter Refrigerator:	ADA compliant freestanding undercounter refrigerator/freezer , Summit Appliance
458	Microwave:	Amana Stainless Steel 1100W Commercial Microwave , or equal
459	<b>STUDENT/INSTRUCTION AREAS</b>	
460	Classroom	
461	Instructor Desks:	Haworth X Series Metal and Laminate Desk, 30x60, with Single Locking B/B/F Pedestal and Modesty , or equal
462	Task Chairs:	KI or Haworth
463	Stools:	
464	AV Lectern	DWI 24X60 with power/data
465	Storage	KI Lateral File, 700 Series, 3-hi
466	Utility Table	KI or Haworth
467	Display Boards	Platinum Visual
468	Whiteboards	Platinum Visual
469	Tackboards	Platinum Visual
470	Student Lecture (Scenario 1)	
471	Desks (Standard and ADA)	KI or Haworth
472	Seating:	KI Strive, no arms, no upholstery , or equal
473	Whiteboards	Platinum Visual
474	Student Lecture (Scenario 2)	
475	Tablet Style Desks	KI MI6 folding tablet arm chair w/ casters
476	ADA Desks	KI or Haworth
477	Lecture Halls and Auditorium (Scenario 3)	
478	Fixed Seating	KI or American Seating Co.
479	Student Computer Labs (Scenario 4)	
480	Computer Desks	ADA: Electric Classroom Furniture Systems, Inc. ECFS ADA table 38x24, raceway door
481		Standard : Electric Classroom Furniture Systems, Inc. ECFS Freestanding Tech Computer Table 60x24x29; HPL top with Postform Comfort Edge, 2 wire chase grommets and support keel; C legs, 11 gauge steel; wire raceway with latching door; all keyed alike; laptop data power link – long - with power cord and RJ45 cable; electrical power pack, 4 outlets with surge
482	Computer Chairs:	KI Strive, no arms, no upholstery, adjustable height, casters.



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STANDARD		CAMPUS ALTERNATIVES
483	MISCELLANEOUS	
484	Café or Multi-Function	
485	Tables Alt 1:	Haworth-Kinetics Tables (45XR-42-F4P0 500 Table, X Base) , or equal
486	Tables Alt 2:	Haworth Planes Tables
487	Tables ADA:	Haworth Planes Table, 48x48 sq (SPLX-7274) , or equal
488	Table Dolly:	Haworth-Kinetics KTTD-80 Table Transport Dolly , or equal
489	Café Chairs Alt 1:	KI Strive, no arms, no upholstery
490	Café Chairs Alt 2:	Haworth Very Wire Stacker, no arms
491	Evacuation Chair:	Stryker Evacuation Chair #6254 DS with Evacuation Chair Cabinet and alarm