

COUNTY OF SAN LUIS OBISPO
BUILDING STANDARDS
(2024 Update)



DESIGN GUIDELINES FOR COUNTY FACILITIES
CSI MATERFORMAT 2016

County of San Luis Obispo
Building Standards
(2024)

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DIVISION 00		PROCUREMENT & CONTRACTING REQUIREMENTS			
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen / LEED Silver Standards	NOTES
Hazardous Materials Information	00 31 26 – Existing Hazardous Material Information				Confirm Existing Hazardous Material Testing with Maintenance/Architectural Services
Survey Information/Soils Report	00 31 21 – Survey Information 00 31 32 – Geotechnical Data				County responsible for providing consultants with soils investigations and geotech reports
GENERAL NOTES:					

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DIVISION 01		GENERAL REQUIREMENTS			
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
Special Airport project Procedures	Special Airport project Procedures				FAA requirements for Airports, including but not limited to DBE, Davis Bacon, Access badges
Special Detention project Procedures	Special Detention project Procedures				BOC requirements for Jails, JSC
Tool Cleaning	Tool Cleaning				No cleaning of tools in sinks allowed
Recycling Requirements	Recycling Requirements			Meet or exceed current Cal Green minimum requirement for non-hazardous waste to be recycled or re-used	Per County/CalGreen standards
01 11 00	Summary of Work			Include LEED Silver Goal	Include goal of achieving LEED Silver goals for project (whether seeking certification or not) See also notes below.
01 30 00	Submittal Requirements			Include LEED Silver Requirements	Include Sustainable Design submittal requirements to reach LEED Silver standard (or certification) See also notes below.
01 74 19	Construction Waste Management & Disposal			Include LEED Silver Requirements	Note performance requirements to achieve LEED Silver level. See also notes below.
01 81 13	Sustainable Construction Requirements			Include LEED Silver/Cal Green Checklists	For new construction/major additions: Include requirements in Div 01 for meeting LEED/Sustainable construction requirements, including LEED or CalGreen checklists and verification of credits achieved. See also notes below.
GENERAL NOTES: Make Division 1 specs project specific in how it will meet the County standard of building to a LEED Silver rating level, whether seeking certification or not- applicable only to new construction projects or major additions.					

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DIVISION 02		EXISTING CONDITIONS			
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
Haz Mat Assessment	02 26 00				
Selective Site Demolition	02 41 13				Comply with hauling and disposal regulations of authorities having jurisdiction.
Structure Demolition	02 41 16				Comply with governing EPA notification regulations before beginning demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.
Site Remediation	02 50 00				
Facility Remediation	02 80 00				Asbestos abatement, lead remediation plans
GENERAL NOTES: Provide 02 sections as relevant to scope of project. Coordinate with APCD on requirements well in advance of construction activity					

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DIVISION 03		CONCRETE			
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
Concrete Reinforcing	03 20 00 – Concrete Reinforcing				Per project drawings and specifications
Reinforcing steel	03 21 00 – Reinforcing Steel				Per project drawings and specifications
Dowels	03 21 00 – Reinforcing Steel				Per project drawings and specifications
Welded Steel Wire Fabric	03 22 00 – Welded Wire Fabric Reinforcing				Plain
Concrete Slabs	03 30 00 – Cast-In-Place Concrete			Refer to A5.405.5 in CalGreen for concrete/cement requirements	Per project drawings and specifications
Structural Concrete	03 31 00				Per project drawings and specifications
Concrete Paving sidewalks/Finishing	03 33 00 – Architectural Concrete				Per project drawings and specifications
Shotcrete	03 37 00 - Specialty Placed Concrete 13 37 13 - Shotcrete		Manufacturer of ready-mixed concrete products complying with ASTM C 94 requirements for production facilities and equipment		Per project drawings and specifications
Admixtures	03 39 00 – Concrete Curing				Per project drawings and specifications
GENERAL NOTES: City of SLO standards within downtown area					

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DIVISION 04		MASONRY			
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
Concrete Block	04 22 00 – Concrete Unit Masonry	Air Vol or approved equal			
Stone Assemblies	04 43 00 – Stone Masonry				
Stone/Brick Veneer	04 70 00 – Manufactured Masonry	Cultured Stone or equal			Refer to Masonry Veneer Manufacturer's Association 'Installation Guide and Detailing Options for Compliance with ASTM C1780' at https://ncma.org/manufactured-stone-veneer/
GENERAL NOTES: Drawings and specs prepared by Project Architect and/or Structural Engineer should govern material selection and properties.					

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DIVISION 05		METALS			
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
Metal Wall Studs/Channels	05 41 00 - Structural Metal Stud Framing				Per Architect/Engineer's specifications
Stair Treads & Nosings	05 55 00- Metal Fabrications	Wooster Products, Inc., Wooster OH or approved equal			Metal treads, ADA compliant, slip resistant; http://www.woosterproducts.com/
Shop Priming-Galvanized		Galv-Weld or equal			Galv-Weld is a proprietary lead-zinc-tin based re-galvanizing bar which restores the durable protection of the original hot dipped galvanized coating.
Shop Priming-other metals		one coat approved primer			Paint concealed areas before assembly. Remove rust, scale, grease & oil after fabrication & before shop priming.
Field Painting – Galvanized					See Division 09 91 13 for painting notes
GENERAL NOTES: All metal exposed to view or moisture shall be non-ferrous or heavy hot-dipped galvanized conforming to ASTM A153-60. Dissimilar metals shall not touch.					

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DIVISION 06		WOOD, PLASTICS & COMPOSITES			
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
Wood Preservatives	06 05 73.33 – Preservative Wood Treatment	Copper Naphthenate (green) or Zinc Naphthenate (clear)			Application rate of 0.25 pcf for above ground conditions. 0.4 pcf for ground contact for sills, sleepers, etc. in contact w/masonry or conc. and cants, nailers, curbs, equip. support bases, etc. in connection w/roofing, flashing & waterproofing.
Sheathing	06 16 00 - Sheathing	Plywood/OSB			Per Architect's/Engineers specifications. Must be APA rated.
Millwork	06 22 00 - Millwork	WI Custom Grade		For LEED Silver projects: Specify wood products manufactured within 500 miles of project site. Specify wood products produced from forests certified by an FSC-accredited certification body to comply with FSC STD-01-001	Architectural Woodwork shall be manuf. in accordance w/standards established in the Manual of Millwork of the Woodwork Institute of California, latest edition, for WIC "Custom" Grade.
Composite Decking	06 73 00	Trex, or equal			
Plastic Fabrications	06 61 16- Solid Surfacing Fabrications	Corian or equal			
FRP	06 82 00 – Glass-Fiber Reinforced Plastic	Marlite or equal			Required at Restrooms, Janitor Closets – 4ft. high & 4 ft. horizontally in front of or to the side of sanitary fixtures, minimum.
GENERAL NOTES: See Division 12 for plastic laminate clad casework, countertops					

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DIVISION 07		THERMAL & MOISTURE PROTECTION			
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
Insulation	07 21 00 – Thermal Insulation	Johns Manville or equal		Select insulation whose R-value exceeds code requirements for LEED points	Promote recycled content & specify formaldehyde-free products
Blanket Insulation	07 21 16 – Blanket Insulation	Johns Manville or equal			Faced or unfaced
Blown-In Insulation	07 21 26 – Blown Insulation	Johns Manville or equal			
Asphalt Shingles	07 31 13.13 – Fiberglass-Reinforced Asphalt Shingles	Fiberglass & asphalt comp. conforming to ASTM D3462 & ASTM D3018, Type 1. Class A Fire & Wind Resistand Labels, 240#/sq. min. wt.	CertainTeed, Landmark Pro, or equal	Recycle removed shingles.	Architectural grade Valleys shall be metal, not woven shingles. Install o/single ply of 15# underlayment o/solid sheathing.
Roofing Underlayment-synthetic		Owens Corning, CertainTeed, or equal, Class A Fire ASTM E108	Titanium UDL30, DiamondDeck, or eq.	Contributes to LEED points, 100% recyclable	For use under asphalt shingles, synthetic shingles, metal roofing, tiles, slate and cedar shakes
Membrane Roofing	07 50 00 – Membrane Roofing	Johns Manville, Sika Sarnafil or equal	Ultraguard, SR-80 reinforced	Specify cool roof products	Single ply roofing
Fluid Applied Roofing	07 56 00 – Fluid Applied Roofing	Astec or equal	Astec #900		Fluid applied insulating coating, ceramic filled 100% acrylic elastomeric, for sloped roofing and other surfaces
Roof Hatches	07 72 33 – Roof Hatches	Dur-Red (www.dur-red.com), BILCO or equal	Ladder Hatch-Model LH with EZ-Up ladder		14 ga., Galvanized, fully welded, pre-assembled w/heavy duty 3/16" gav. pivot hinges, lid w/fiberglass insulation & inside/outside handles w/padlock, auto hold-open.

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Building Felt		Asphalt saturated organic felt, ASTM D226, Type I (15#)			Fasteners: Standard staples, hot dipped zinc coated steel. Provide 2 horiz. plies in shingle fashion at siding, plaster, roofing, flashings & wall openings Fasteners: Standard staples, hot dipped zinc coated steel. Provide 2 horiz. plies in shingle fashion at siding, plaster, roofing, flashings & wall openings No tears or punctures
Flashing paper	07 65 00 – Flexible Flashing	Std. asphaltic coated, moisture-resistant			Install per SMACNA in coordination w/underlayment. Weatherlap joints 4" min. & seal w/plastic cement. Stagger joints between layers, lap ends 6" min, stagger end joints. Add extra layer 18" min. at int. & ext. blg. corners w/6" min weatherlap, staple in place. 9" wide strips, folded in 90 deg. angle at all windows & ext. doors.
Plastic cement					Free of toxic solvents FS SS-C-153.
Gutters & Downspouts	07 71 23 – Manufactured Gutters & Downspouts	22 ga. min., 3"x4" min			Provide cleanout at grade.
Reglets	07 71 26 - Reglets	Fry Reglet Corp./Springlok System, MM Systems Corp./Snap-Tite Sys or Equal			Pre-manufactured
GENERAL NOTES: All roofing shall have a minimum 2-year contractor's warranty for labor and materials. Roofing shall be sloped. No flat roofs are permitted. Asphalt shingles shall have a 2ply underlayment. Tile roofing shall have a 2 ply hot mopped underlayment. Provide gutters and downspouts on the exterior of the building. No touching of dissimilar metals allowed. Hem exposed edges on underside ½". Backpaint flashings w/heavy-bodied bituminous paint where in contact w/cementitious or dissimilar materials.					

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DIVISION 08		OPENINGS			
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
Hollow Metal Doors & Frames	08 11 00 – Metal Doors & Frames	Steelcraft or Approved Equal	Exterior: Steelcraft “L” Series 16 ga honeycomb core or “S” or “A” Series 16 ga. tubular for full glass, galvanized, w/galvanized 14 ga. frames. Interior: Steelcraft “L” Series honeycomb core, or “S” or “A” series for full glass 18 ga w/16 ga frames.	Refer to TABLE A.5.205.1-A and 1-B in 2016 CalGreen for window assembly required U-factor and Solar Heat Gain Coefficient (SHGC) values	If not Steelcraft, the “or equal” must match Steelcraft hinge and lock layout. Use 6” wide stile exterior doors
Interior Metal Frames	08 12 00 – Metal Frames	16 ga. Grade III extra heavy duty pre-finished steel.			
Exterior Metal Frames	08 12 00 – Metal Frames	Welded, pre-assembled, 14 ga. Grade III, extra heavy duty w/G90 Zinc coating complying w/ASTM A525.			If not Steelcraft, the “or equal” must match Steelcraft hinge and lock layout
Exterior Hollow Steel Doors	08 13 00 – Metal Doors	16 ga. Grade III extra heavy duty pre-finished steel w/G90 Zinc coating coating complying w/ASTM A525.			If not Steelcraft, the “or equal” must match Steelcraft hinge and lock layout
Wood Doors	08 14 00 – Wood Doors				
Exterior Doors	08 14 00 – Wood Doors	1 ¾” thick, solid staved wood core, flush type.			Provide door top weatherstripping cap or equiv. means of protecting top edge. Stiles & rails to be bonded to core.
Interior Doors	08 14 00 – Wood Doors	1 ¾” thick min., solid core.			Stiles & rails to be bonded to core.
Specialty Doors & Frames	08 30 00				
Overhead Coiling Door	08 33 23	Overhead Door Co., or equal	Light Duty: Model 600 Rolling Steel Door; Heavy Duty: Model 610; Insulated: Model 620 'Stormtite'; or eq.		Choose appropriate model for size of opening, intensity of use & if interior space is conditioned or unconditioned.
Storefronts	08 40 00- Entrances, Storefronts, Curtain Walls	Kawneer or equal			
Windows	08 50 00			Refer to TABLE A.5.205.1-A and 1-B in 2016 CalGreen for window assembly required U-factor and Solar Heat Gain Coefficient (SHGC) values	

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Metal Windows	08 51 13- Aluminum Windows	Kawneer or equal	Trifab, or other as applicable		3 year min. warranty
Vinyl Windows	08 53 00 - Plastic Windows	Milgard or equal	Style Line Series		
Skylights	08 60 00				
Tubular Skylights	08 62 23 - Tubular Skylights	Solatube or equal	Brighten Up Series		
Hardware - General	08 71 00 – Door Hardware				ADA Compliant. NO SUBSTITUTIONS
Key System	08 71 00 – Door Hardware	SCHLAGE, Primus Level 3 Interchangeable Core (IC), Factory Registered, Patent Protected Key System.			Submit to County to stamp to County's identification system. NO SUBSTITUTIONS
Locksets	08 71 00 – Door Hardware	SCHLAGE, Series L or D, full-size, interchangeable core	Primus 6 pin, keyway designated by County, Level 3 IC cylinders.		County to key and provide Primus cores. NO SUBSTITUTIONS
Deadbolts	08 71 00 – Door Hardware	SCHLAGE IC type body Large format	Primus core, B700R or B600R series		NO SUBSTITUTIONS
Combination Entry Control Locks	08 71 00 – Door Hardware	SCHLAGE AD Series NO SUBSTITUTIONS	Per requirements		NO SUBSTITUTIONS
Electronic Access Controls	08 71 00 – Door Hardware	SCHLAGE, AD Series, MTK with 8 AA batteries. NO SUBSTITUTIONS			NO SUBSTITUTIONS
Padlocks	08 71 00 – Door Hardware	SCHLAGE, Kryptonite Series NO SUBSTITUTIONS	Full IC adaptable		NO SUBSTITUTIONS
Cabinet Locks	08 71 00 – Door Hardware	SCHLAGE , CL 1000/2000 Series			NO SUBSTITUTIONS
Door Closers	08 71 00 – Door Hardware	LCN- No substitutions	Exterior: LCN 4040 Series, use EDA arms at out-swinging doors. Interior: LCN 4040. Automatic Operators: At retro-fit applications, use LCN 4600 Series. At new applications, use Dor-O-matic Senior Swing Series.		Mount on room side or pull side u.o.n. NO SUBSTITUTIONS
Panic Hardware	08 71 00 – Door Hardware	Von Duprin- No substitutions	Von Duprin CD98 or CD35 Series.		Use key-removable mullions plus rim devices at pairs when possible. Use LBR and 996L-F lever trim at rated openings less CD. Use 94 Series when advised. NO SUBSTITUTIONS
Mullions	08 71 00 – Door Hardware	Von Duprin- No substitutions	KR Series w/MT54 storage bracket kits.		NO SUBSTITUTIONS

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Hinges & Butts	08 71 00 – Door Hardware	Conventional: Ives CB1 Series, Stanley, Hager, McKinney. Continuous: Pemko, Hager, Zero 914-SC or 919STST	Ball Bearing, Heavy duty or extra heavy duty. 4 ½" size		Non-ferrous butts w/non-removable vandal-proof pins at exterior, outswinging doors, stainless steel butts at labeled doors.
Door Stops	08 71 00 – Door Hardware	Ives/Quality or approved equal			
Wall Stops	08 71 00 – Door Hardware	Ives/Hager/Rockwood/Quality or approved equal			
Overhead Stops	08 71 00 – Door Hardware	Glynn Johnson	90 Series & 100 Series		
Thresholds	08 71 00 – Door Hardware	Pemco or approved equal			
Door Plates	08 71 00 – Door Hardware	Kickplates: Ives 8400 Series, 12"H x 2" less than door width (1" LDW at non mullioned pairs), Hager. Push/Pull Plates: Ives, Hager, Rockwood. Latch Guards: Ives, Hager, Rockwood			
Door Seals	08 71 00 – Door Hardware	Pemko, Zero, Reese.			
Hardware - Detention					
Locks and Electric Locks		Note: Jail Locks are Southern Steel and Brinks	Primus 6 pin, keyway designated by County, IC cylinders.		County to key and provide Primus cores. NO SUBSTITUTIONS
High security hinges and butts	08 71 63 – Detention Door Hardware	Southern Steel or Folger Adams			Jails and prisoner holding areas
Solar Control Films	08 80 00 – Glazing / 08 87 13 – Solar Control Films	Sun-Gard / Glass-Gard			SHGC ≤ 0.39 or ≤ 0.47 with VT/SHGC ration > 1.3
Safety Films	08 80 00 – Glazing / 08 87 16 – Safety Films	3M or equal			
Glazing	08 80 00 – Glazing			Specify high thermal performance, low-e glazing	Meet or exceed T24, CalGreen standards
Ballistics-Resistant Glazing	08 80 00 – Glazing / 08 88 56 – Ballistics-Resistant Glazing				
Louvers and Vents					
GENERAL NOTES: Windows shall be dual glazed and operable except for skylights and where security requirements must be met. Window frames shall be aluminum (UNO) and provided with a baked on powder coated finish. Windows shall be equipped with aluminum frame and mesh screens, and designed for coverings and solar control. Exterior doors shall be galvanized steel doors and frames and be factory primed. Interior wood doors and frames shall be solid core. Door hardware shall be lever operated, aluminum, satin or brush finished. Contractor shall provide interior door cores, and hardware for interior and exterior doors. The County shall set keying for all doors and provide and install the primus cores (exterior doors).					

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DIVISION 09		FINISHES			
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
General				Finish materials shall comply with CalGreen VOC limits. Look for products that are 'Greenguard Certified'.	Refer to CalGreen Section 5.504; Provide extra floor, wall and ceiling material equal to 2% minimum of quantity installed to Owner as extra stock for maintenance.
General				Comply with T24 Ch. 8 and VOC limits per Collaborative for High Performance Schools (CHPS) criteria & listed on its High Performance Products database	Building products must be tested and determined compliant in accordance with California Department of Public Health (CDPH) Standard Method v1.1–2010, using the applicable exposure scenario.
Interior wall assemblies	09 21 16 – Gypsum Board Assemblies	Standard Finish			ASTM C365/8" fire resistant Type 'X' gyp bd., min. Water resistant at all wet locations Attached w/appropriate screws @ 7" o.c. No Nails permitted
Portland Cement Stucco	09 24 00 – Portland Cement Plastering / 09 24 23 – Portland Cement Stucco	La Habra or Equal			Plaster application: Comply with ASTM C 926 Metal Lath & accessories: install per ASTM C 1063
Gypsum Board	09 29 00	USG Corporation, National Gypsum Company, Georgia Pacific, or Equal	5/8" thickness typical; 1/4" thickness for curved, flexible applications. Type 'X' at fire-rated assemblies		Impact Resistant gyp: ASTM C1629/1629/M Gyp. Bd. Finish Levels: Level 1- concealed areas; Level 2- substrate for tiles; Level 3- Where indicated on drawings; Level 4- at areas exposed to view with flat paint finish, Level 5: At panel surfaces that will be exposed to view with non-flat paint finish; unless indicated otherwise.
Mold and Moisture Resistant Gypsum Board	09 29 00	USG Corporation, National Gypsum Company, Georgia Pacific, or Equal	USG Mold Tough Firecode Core Gypsum Panels, or equal		ASTM C 630 or ASTM C 1396.
Backing Board	09 28 00 – Backing Boards & underlayment / cementitious Backing Boards	HardiBacker or equal			
Ceramic Tiling	09 30 00 - Tiling / 09 30 13 Ceramic Tiling	Daltile, Crossville, American Marazzi Tile			Provide tile that complies with ANSI A137.1. Follow TCNA installation methods. Obtain tile of each type and color from the same production run.

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Acoustical Ceiling Tile	09 50 00 – Ceilings / 09 51 23 – Acoustical Tile Ceilings	Armstrong, CertainTeed or equal			
Acoustical Ceiling Suspension Assemblies	09 50 00 – Ceilings / 09 53 23 – Metal Acoustical Ceiling Suspension Systems				Install acoustical panel ceilings to comply with ASTM C 636/C 636M and seismic design requirements indicated, according to manufacturer's written instructions and CISCA's "Ceiling Systems Handbook."
Flooring	09 60 00- Flooring				
Resilient Base & Accessories – Thresholds, edging, transitions	09 60 00 – Resilient Flooring 09 65 13 – Resilient Base & Accessories	Burke, Mercer or approved equal			4" typ., 6" to match existing or as specified (prefer Brown or Black if not matching existing). With pre-molded internal & external corners. Use full lengths, no lengths less than 8".
Resilient Sheet Flooring	09 65 16 – Resilient Sheet Flooring	Mannington Commercial, LG Chem., Armstrong, Forbo or approved equal	Fine or Random fields, Constellation Series, Marmoleum Fresco	Products compliant with 2012 CHPS criteria and listed on its High Performance Products Database	Commercial grade, inlaid sheet vinyl, 5 year warranty. Prepare substrates according to floor tile manufacturer's written instructions to ensure adhesion of resilient products.
Carpeting	09 68 00 – Carpeting 09 68 13 – Tile Carpeting 09 68 16 – Sheet Carpeting	Tandus Centiva; Powerbond, Modular Broadloom, Woven and LVT or equal	Min. 20 oz./SY	Carpet systems shall meet testing & product requirements per CalGreen 5.504.4.4	Meet Carpet and RI's Green Label Plus Program. Minimum 10 yr. warranty. Tile carpet preferred for waste reduction. NSF/ANSI-140 Sustainability Assessment for Carpet Standard
Entrance Mats	09 68 13 – Tile Carpeting	Tandus Centiva or equal			Integral entrance mat; ADA compliant
Painting & Coating	09 90 00 – Painting & Coating			Comply with CalGreen VOC limits per 5.504.4.3	Cal Green Table 5.504.4.4
Exterior Wall Paint	09 91 13 – Exterior Painting	Sherwin Williams, Promar 200, or equal	Low sheen: #B33W200 Semi-gloss: #B34W200 Hi-gloss: #B35W200		
Exterior Wall Paint	09 91 13 – Exterior Painting	Sherwin Williams, or Equal	1st Coat: Loxon Exterior Acrylic Masonry Primer A24W00300 2nd & 3rd Coats: SuperPaint Exterior Acrylic Latex Satin Finish A89W00507		For Stucco, Masonry, Concrete, Plaster, Hardi-Plank
	09 91 13 – Exterior Painting	Sherwin Williams, or Equal	1st Coat: Heavy Duty Acrylic Block Filler B42W00046 2nd & 3rd Coats: SuperPaint Exterior Acrylic Latex Satin Finish A89W00507		

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	09 91 13 – Exterior Painting	Sherwin Williams, or Equal	1st Coat: A-100 Exterior Oil Wood Primer Y24W00020 2nd & 3rd Coats: SuperPaint Exterior Acrylic Latex Satin Finish A89W00507		Wood/Painted
	09 91 13 – Exterior Painting	Sherwin Williams, or Equal	1 st & 2 nd Coats: Woodscapes Exterior Polyurethane Semi-Transparent Stain A15T00005		Wood/Stained/Semi-transparent Finish
	09 91 13 – Exterior Painting	Sherwin Williams, or Equal	1 st & 2 nd Coats: Woodscapes Exterior Acrylic Solid Color Stain A15W00051		Wood/Stained/Opaque Finish
	09 91 13 – Exterior Painting	Sherwin Williams, or Equal	1st Coat: Kem Bond HS Universal Metal Primer Off White B50WZ0004 2nd & 3rd Coats: DTM Acrylic Coating Semi-Gloss B66W00211		Ferrous Metal
	09 91 13 – Exterior Painting	Sherwin Williams, or Equal	Pretreatment: Jasco Metal Etch 1st Coat: DTM Acrylic Primer Finish B66W00001 2nd & 3rd Coats: DTM Acrylic Coating Semi-Gloss B66W00211		Galvanized Metal
Interior Wall Paint - Offices	09 91 23 – Interior Painting	Sherwin Williams, or equal	Latex Enamel (Lo sheen) Latex Flat (Weathercoat) Latex Primer (PVA sealer - Acrylic primer)		
		Sherwin Williams, or equal	1st Coat: ProMar High Holdout Primer B28WY2000 2nd & 3rd Coats: ProMar 200 Interior Latex Low Sheen ES Enamel Extra White B20W01251	Zero VOC Interior Latex-Complies with LEED v4, GREENGUARD Environmental Institute (GEI) and other green guidelines and regulations	Drywall/Offices – (All areas except Public Areas, Restrooms, & Wet locations.
		Sherwin Williams, or equal	1st Coat: ProMar High Holdout Primer B28WY2000 2nd & 3rd Coats: ProMar 200 Interior Latex Semi-Gloss Extra White B31W02251		Drywall/Public Areas, Restrooms, & Wet locations.

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		Sherwin Williams, or equal	1st Coat: PrepRite Classic Interior Latex Primer White B28W00101 2nd & 3rd Coats: ProMar 200 Interior Latex Semi-Gloss Extra White B31W02251		Plaster/Concrete
		Sherwin Williams, or equal	1st Coat: ProMar White Lacquer Undercoater White B44WT0001 2nd & 3rd Coats: ProMar 200 Interior Latex Semi-Gloss Extra White B31W02251		Wood Doors & Jambs, Trim/Painted
		Sherwin Williams, or equal	1st Coat: Kem Bond HS Universal Metal Primer Off White B50WZ0004 2nd & 3rd Coats: ProMar 200 Interior Latex Semi-Gloss Extra White B31W02251		Ferrous Metal
		Sherwin Williams, or equal	Pretreatment: Jasco Metal Etch 1st Coat: DTM Acrylic Primer Finish B66W00001 2nd & 3rd Coats: ProMar 200 Interior Latex Semi-Gloss Extra White B31W02251		Galvanized Metal
		Sherwin Williams, or equal	1st Coat: PrepRite Block Filler White B25W00025 2nd & 3rd Coats: ProMar 200 Interior Latex Semi-Gloss Extra White B31W02251		CMU Block
		Sherwin Williams, or equal	Salt Water Taffy #SLO 7744 Cashmere #SLO 7129 Brie #SLO 13447		Standard Interior Paint Colors for Offices, Parks has their own standards
Exterior elastomeric coat	09 96 53 – Elastomeric Coatings	VIP, Sherwin Williams	2 coats min. 2 mil. each		3 Year NDL

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Epoxy Floor Coating	09 96 56 - Epoxy Coatings	Rustoleum, or equal	6000 System Water-based Epoxy		A two-component water-based epoxy coating for application to concrete floors. Parks Dept preferred product for pool houses, decks, and other wet areas.
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GENERAL NOTES: 1. Use Standard Office colors per Project Manager/Maintenance or as otherwise directed in writing. 2. Use Standard Parks colors for Parks projects. 3. For all floor and wall finishes, the project Specifications should state the amount of extra stock to be delivered to the County at project completion for use for repairs/remodels.					
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DIVISION 10		SPECIALTIES			
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
Signage	10 14 00			Manufactured within 500 miles of project site	Must meet ADA; Refer also to the County 'Room Numbering Standards' and 'Installation of County Identity Mark' document for standards related to Signage.
Plaques	10 14 16				Cast Bronze; mechanically fastened with concealed fasteners
Panel/Room ID Signage	10 14 23	ASI Sign Systems Inc., APCO Graphics, Inc., Best Sign Systems or equal			Design per project drawings, ADA compliant, concealed fasteners or adhesive mount as specified
Toilet Compartments	10 21 13 - Toilet Compartments	Santana:(www.santanaproducts.com) Scranton Products or Approved Equal			15 yr Warranty, Poly-Mar HD or Poly-Granite HD, High Density Polyethylene (HDPE) w/min. 10% recycled matl., waterproof, non-absorbent, self-lubricating surface that resists markings by writing utensils, 1" thick, ADA compliant where required
Offices, Public Facilities	10 21 13.19 –Plastic Toilet Compartments; 10 21 13.14- Stainless Steel Toilet Compartments	Santana ; Bradley Corp/Mills Partitions., ASI Accurate Partitions Corp. or equal		Look for recycled content	Stainless Steel- 15 year warranty; Solid Plastic-15 year warranty; Phenolic- 3 year warranty
Parks & Public Use buildings	10 21 13.19 – Plastic Toilet Compartments	Santana or Approved Equal	Poly-Mar HD		or approved equal
Corner Guards	10 26 00 – Wall & Door Protection	Acrovyn or equal			
Toilet, Bath & Laundry Accessories (10 28 00)					
Commercial (OFFICES/BUSINESS AREAS)	10 28 13.13 – Toilet Accessories				Provide ADA-compliant accessories as required, typ.
Toilet Paper Dispensers:					
Partition mounted for 2 stalls		Bobrick, Bradley, or approved equal	Std: B-386, key lock, double roll ADA:		stainless steel, satin finish
Recessed mounted		Bobrick, Bradley, or approved equal	B-4388		stainless steel, satin finish
Surface mounted		Bobrick, Bradley, or approved equal	Std: B-2888, key lock, double roll, surface mounted		stainless steel, satin finish
Combination Dispensers:					

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Women (TP, seat covers, sanitary disposal)		Bobrick, Bradley, or approved equal	B-357, 2 stalls – (2 STD) B-3571, 2 stalls (1 ADA, 1 STD) B-3574, 1 stall recessed		stainless steel, satin finish
Men. (TP, seat covers)		Bobrick Koala Kare Products or equal	B-347 2 stalls B-3471 2 stalls (1 ADA) B-3474 1 stall recessed		stainless steel, satin finish
Soap Dispensers:					
Surface-mounted, plastic		Deb Group	Deb Manual Ultra Foam Soap Dispensing system		or equal; mounted per ADA requirements
Hands-free Soap Dispenser		Deb Group	Wall-mounted Touch Free Foam Soap Dispenser, battery-operated		or approved equal; mounted per ADA requirements
Hands-free Counter-mounted Soap Dispenser		Deb Group; SC Johnson	CTF16LC, Counter-mount CTF Ultra touch-free soap dispenser, battery-operated		or approved equal
Paper Towel Dispensers:					
Hands-Free Paper Towel dispenser- Surface-mounted		Georgia Pacific, or equal	EnMotion automated roll towel dispenser		
Hands-Free Paper Towel dispenser- Recessed (ADA)		Georgia Pacific, or equal	GP Pro EnMotion #59466-Recessed Automated Touchless Paper Towel Dispenser, battery-operated		or approved equal; Stainless Steel finish
Waste Receptacles:					
Recessed (ADA)		Bradley, or equal	Model 315-35, 9.2 Gallon Waste Receptacle – Framed, Recessed		Stainless steel, satin finish, push flap door, leakproof molded plastic insert
Recessed (ADA)		Bobrick, or equal	B-35643 TrimLineSeries™		Recessed satin-finish stainless steel with all-welded construction. Removable, leak-proof waste bin, 12-gal capacity
Semi-Recessed		Bobrick, or equal	B-3644, 12 gal., with LinerMate		or approved equal, stainless steel, satin finish

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Wall-mounted		Bobrick, or equal	B-277, Type 304 stainless steel, w/LinerMate, 12.75 gal.		or approved equal, stainless steel, satin finish
Waste receptacle-free-standing		Bobrick, or equal	B-2300, floor-standing dome-top, w/6" dia. opening, 18 gal.		or approved equal, stainless steel, satin finish
Combination Paper Towel/Waste Receptacle Units:					
Paper Towel /Waste combo unit- recessed		Bobrick, or approved equal	ClassicSeries® B-39747; Convertible automatic universal, roll paper towel dispenser, 18-gallon waste receptacle. Satin-finish stainless steel. Seamless beveled flange.		Satin-finish stainless steel. Seamless beveled flange.
Baby Changing Stations:					
Recessed- Stainless Steel		Bobrick, or approved equal	Koala Kare Product, or equal, KB310-SSWM Horizontal Stainless Steel Surface-Mounted		ADA compliant , stainless steel, satin finish
Surface-mounted, Plastic		Bobrick, or approved equal	Koala Kare Product, or equal, KB300 Horizontal Surface-Mounted		ADA compliant; bacterial-resistant, high density plastic
Other Washroom Accessories:					
Seat Cover Dispenser		Bobrick, Bradley, or approved equal	B-221, surface-mounted		stainless steel, satin finish
Grab bars		Bobrick, Bradley, or approved equal	B-6806 x required length for ADA compliance		ADA 18 ga. 1.5" dia. Type 304 stainless steel, satin finish. 13 ga. concealed mounting flange. 1.5" clr. from wall. Can support 900lbs.
Folding utility shelf		Bobrick, Bradley, or approved equal	B-287		stainless steel, satin finish
Robe Hooks		Bobrick, Bradley, or approved equal	B-6717		stainless steel, satin finish
Mirrors		Bobrick, Bradley, or approved equal	B-290 Series, stainless steel welded frame		stainless steel, satin finish
Mop and broom holder		Bobrick, Bradley, or approved equal	B-223 x 24, 3 holders		stainless steel, satin finish
Shelf/mop holder combo		Bobrick, Bradley, or approved equal	B-239, shelf, 4 hooks, 3 mop holders		stainless steel, satin finish
Underlavatory Guard (ADA)		Plumberex Specialty Products, Truebro by IPS Corp.	Pro-Extreme by Plumberex or equal		Antimicrobial, molded plastic, white
Parks - Toilet Accessories					
Toilet paper dispensers		n/a			

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Paper towel dispensers		n/a			
Electric hand dryers		World Dryer	VERDEdri		Hard wired; high-speed, surface-mounted ADA compliant handdryer
Waste receptacle-free-standing		Rubber Maid	32 Gallon		or approved equal, polyurathane
Fire Protection Specialties					
Fire Extinguisher Cabinets	10 44 13- Fire Extinguisher Cabinets	American Specialties, Inc., Guardian Fire Equipment, JL Industries, or equal			Listed and labeled to comply with ASTM E 814 for fire resistance rating of walls where they are installed. Mounted to meet ADA requirements. Surface, semi-recessed or recessed per drawings.
Fire Extinguishers	10 44 16 – Fire Extinguishers	Amerex, Ansul or Approved Equal	TCP-5LH, 2A-10B-C		www.Amerex-fire.com www.ansul.com
Other Specialties					
Bird Control Devices	10 81 13- Bird Control Devices	Nixalite or Approved Equal	Premium All Stainless Steel Bird Barrier Spikes		Required for use on all communication buildings
GENERAL NOTES: Restroom accessories that are keyed must be made by the same manufacturer and be keyed to one key. Specify accessories that are compatible to the County's paper and custodial products. Submit drawings to County maintenance staff for review and comment. If listed products have been discontinued, provide model with equivalent specs.					

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DIVISION 11		EQUIPMENT			
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
Security Equipment	11 15 00 – Security, Detention and Banking Equipment				
Residential Equipment	11 30 00 – Residential Equipment	GE, LG, or equal			Energy Star, water efficient
Kitchen Equipment	11 40 00- Food Service Equipment				Demand Control Kitchen Ventilation if possible.
Vending Machine	Vending Machine				Vending machines to be ADA-compliant and must have controller that will turn off lights and compressor when surrounding area is unoccupied for a time period adjustable between 15 and 60 minutes.
GENERAL NOTES:					

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DIVISION 12		FURNISHINGS			
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
Blinds	12 21 00 – Window Blinds	Levelor, Hunter Douglas or equal	Levelor Riviera aluminum blinds		Metal blinds with recycled content preferred
Countertops	12 36 00 – Countertops 12 36 23.13 – Plastic Laminate Clad Countertops	Wilsonart, Nevamar, Formica or equal			Exposed Edge Treatment: Postformed laminate; At Kitchen and Restroom countertops front edge substrate built up to minimum 1-1/4 inch thick with raised radiused edge, integral coved backsplash with radiused top edge. At Worksurfaces: Molded PVC edge with T-spline, sized to completely cover edge of panel. ANSI A161.2.
Systems Furniture	12 59 00 – Systems Furniture	Herman Miller - substitution is only with prior County approval			Typically, owner supplied, to be verified per project. Remanufactured product may be used to match existing remanufactured items or for large orders with approval of Arch Services Project Manager
GENERAL NOTES: County has standardized on Herman Miller modular furnishing systems. Verify whether furnishing to be owner provided & installed, or owner provided/contractor installed, or contractor provided/contractor installed. For other types of furnishings consult the Purchasing Division of the Department of Central Services and the Client Department. There are specific requirements for library furnishings and for library shelving as well as the courts furnishings.					

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DIVISION 13		SPECIAL CONSTRUCTION			
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
Metal Building Systems	13 34 19				Per project drawings/specifications
Portable/Mobile Buildings	13 34 23.13				Per project drawings/specifications
GENERAL NOTES:					

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DIVISION 14		CONVEYING EQUIPMENT			
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
Elevators	14 20 00 - Elevators	Otis, or approved equal			ADA compliant
Vertical Platform Lifts	14 42 16 Vertical Wheelchair Lifts	Ameriglide, McKinley or equal			ADA compliant
Cab Interior Finishes		Manufacturer specific			For exterior and possible high vandalized elevators, select cab interior finishes that have high vandal resistant - e.g.: 5WL, Starbright, etc.
GENERAL NOTES: <i>Verify with current elevator maintenance provider to see if they can maintain elevator system for new buildings.</i>					

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DIVISION 21		FIRE SUPPRESSION			
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
Fire Suppression System	21 00 00- Water-Based Fire Suppression Systems				Per project drawings and specifications
Fire Pumps	21 30 00- Fire Pumps				Per project drawings and specifications
Water Storage Tanks	21 40 00- Fire Suppression Water Storage				Per project drawings and specifications
GENERAL NOTES:					

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DIVISION 22		PLUMBING			
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
Flash Water Heaters	22 33 13 - Instantaneous Electric Domestic Water Heaters	Noritz America Corp., Rinnai or equal			7.9 gal/min within a 35 degree temperature rise. 80-85% efficiency, able to connect to additional unit by cord & controlled by single digital remote thermostat to easily double the capacity.
Commercial Plumbing Fixtures	22 42 00	All products to be ADA compliant		http://www.epa.gov/WaterSense/product_search.html	Use fixtures from the EPA Water Sense list of approved products if available.
Water Closets					
Water Closet - floor mounted with flushometer- ADA compliant	22 42 13	American Standard, Kohler, Crane or approved equal	Am. Standard, Madera FloWise, 1.28 gpf		Solid plastic seat w/opening 1.28 GPF or less, elongated bowl, color: white, ADA compliant
Water Closet - tank type- ADA compliant	22 42 13	Kohler, American Standard or approved equal	American Standard- Champion Pro Right Height Elongated Toilet		1.28 GPF or less, Specify appropriate side for trip lever
Water Closet- Wall-mounted, sensor operated	22 42 13	Kohler, American Standard or approved equal	Kohler 'Kingston' #K-4325-BA-0		1.28 GPF; provide carrier with rear anchor support for single applications; battery operated with solar charging
Toilet seats		Olsonite or approved equal	solid white plastic, open front, w/o cover		
Flush valves for Toilets	22 42 43	Sloan www.sloanvalves.com (requires 1" minimum water line and pressure)	Royal 111 (exposed manual); Royal 910 (hydraulic bush button), for 1.28 gpf		or approved equal; Exposed valve Hydraulic push button (valve is hidden in chase)
	22 42 43	Sloan	'Ecos' sensor flushometer #8111-1.6/1.1		or approved equal
Carrier for wall toilets & wall hung sinks	22 42 13	Smith	#0720 (for sinks, need to modify to suit application)		Different carriers for Block walls verses stud walls, and different for sinks and wall hung toilets.
Urinals					

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Urinals	22 42 13	Kohler, American Standard or equal	American Standard Decorum, 0.125 gpf, EverClean surface 6042001EC.020; Kohler 'Bardon' #K-4904-ETBA-0 WITH Sloan 'Solis' sensor 8186-0.125 flush valve	WaterSense compliant with WaterSense flushometer	Elongated, top spud, ADA compliant, white .125 GPF or less
Flush valve urinal	22 42 13	Sloan	#186-1, 1 GPF, exposed, diaphragm type w/ escutcheon, screwdriver stop		or approved equal; battery-operated sensor
Carrier for urinal	22 42 13	Smith			
Sinks / Lavatories					
Kitchen/Break Room Sinks	22 42 16	Elkay, Kohler, American Standard or equal	Elkay Lustertone Stainless steel, single bowl undermount ADA sink, ELUHAD191655PD		or approved equal; 18 ga, 304 Grade stainless steel with satin finish. NOTE: Garbage disposals are not to be installed at breakroom or kitchen sinks.
Lavatory sinks-undermount	22 42 16	Kohler, American Standard or equal	K-2210 'Caxton', vitreous china with overflow		ADA compliant
Restroom sinks integral w/countertops	22 42 16	Solid surface integral with counters			Provide drip edge and back splash. ADA compliant
Wall-mount bathroom sink	22 42 16	Kohler or equal	K-2007		Provide undercounter pipe protection per ADA requirements
Service/Mop Sink	22 42 16	Kohler or equal	K-6710 corner basin, floor mount, enameled cast iron, with wall mount faucet		
Faucets (Polished Chrome finish- typ.)					
Hands-free lavatory faucet	22 42 39	American Standard	6055204.002 Innsbrook Selectronic Proximity or equal	CA low flow compliant, typ.	ADA compliant; CSA Certified
		Delta	Electronic Faucet 590T Series or equal		
		Chicago Faucets	Touchless Faucets 116.211.AB.1 or equal		ADA compliant; CEC compliant; vandal-proof, Ecast cast brass construction
Manual Lavatory Faucet		Chicago Faucets	#2200-4E39VPABCP, w/4" deck plate or equal		4" centers, 0.35 gpm, lever handle, vandal-proof ADA compliant, Cal Green compliant
Kitchen / Break Room Faucet		Chicago Faucets	Manual Sink Faucets 786-L9E72ABCP or equal		ADA compliant, vandal-proof, cast brass, 0.5 GPM, Cal Green compliant
Utility /Mop Sink Faucet		Elkay	LKB940C Service/Utility Wall Mount Faucet or equal		ADA compliant, solid brass construction. Chrome finish
Floor Drains					
Floor Drain w/square strainer & trap primer		J.R. Smith	#2005. nickel bronze or equal		size & features to suit application/location

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Drinking Fountains					
Hi-Lo Drinking fountain with bottle filling station	22 47 13	Elkay or Equal	Elkay Model EZSTL8WSLK Bottle Filling Station		or approved equal; ADA compliant hi-lo drinking fountain with bottle-filling station, wall-mount, anti-microbial, hands-free, Laminar flow
Park Facility Plumbing Fixtures					
Sink for Park restrooms, wall mount		American Standard Kohler - Chesapeake Acorn Engineering or Equal	#0321.075 #1729 Dura-ware 1953		or approved equal; ADA compliant
Stainless steel lavatory sink		Acorn	Dura-Ware 1953		or approved equal ; 16 guage, type 304 stainless steel, seamless welded construction
Faucets		Chicago, Delta	408A-665-cw, or equal		(cold water only for parks) 0.5 gpm at 60 psi for public lavatory faucets; single-hole, vandal-proof metering push-handle, ADA compliant
		Chicago	Metering faucet 333-665PSHABCP		or approved equal
Drinking fountains		Haws, Elkay	ADA compliant		or approved equal
Built in Shower Units		Acorn Engineering or equal	Shower-Ware Zenith 500ADA		ADA compliant, 2.5 gpm at 80 psi
Stainless steel Urinals		Acorn	Dura-Ware 2158TS/S		or approved equal ; high-efficiency 1/8 to 1/2 GPF flush valve; mount at ADA compliant height
Stainless steel Toilets		Acorn	Dura-Ware R2105 S/S; wall-mount		or approved equal, 16 guage, type 304 stainless steel, seamless welded construction, mount at ADA compliant height
Drinking Fountains		Elkay or Equal			ADA compliant,
Detention Facility Plumbing Fixtures					
Combination Units	22 46 00	Acorn Engineering or equal	Model 1418 Model 1449 (ADA)		
Toilet- Wall-mount		Acorn Engineering or equal	Model 1679 (Stainless)		
		Kohler or equal	Model K-4325		
Flushometer		Sloan or equal	Model 8111-1.28		
Dual Basin Sink		Acorn Engineering or equal	Model 3712		
Lavatory- Wall Hung		Sloan or equal	Model SS3003		
Lavatory		Just Manufacturing or equal	Model SL-2133, S-1917		

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Undermount Sink		Just Manufacturing or equal	Model US-13518		
Electronic Hand Faucet		Sloan or equal	Model ETF-880		
Lavatory Faucet		Just Manufacturing or equal	Model JGN-4		
Mop Sink		Just Manufacturing or equal	Model B-33213		
Service Sink (Mop) Faucet		Just Manufacturing or equal	Model JVB-1200		
Shower- Wall Mount		Acorn Engineering or equal	Model 1743		
		Acorn Engineering or equal	Model 1741 (ADA)		
Drinking Fountain		Acorn Engineering or equal	Model 1672		
		Filtrine	Model 90MOD-HL (ADA)		
GENERAL NOTES:					
Per maintenace staff, no garabge disposals are to be installed at breakroom or kitchen sinks.					

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DIVISION 23					
Heating, Ventilation and Air Conditioning (HVAC)					
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
HVAC Systems	23 00 00 - HVAC			https://www.energystar.gov/buildings/facility-owners-and-managers?s=mega	Minimum 14 SEER rating when possible. No new R-22 refrigerant, ban in 2020.
Valves, Actuators	23 09 00 – Instrumentation & Control for HVAC 23 09 13.13 – Actuators & Control	Belimo or approved equal			
Thermostats simple setbacks	23 09 00 – Instrumentation & Control for HVAC 23 09 13.23 – Sensors & Transmitters	White Rogers or approved equal	#1F 90-71	Energy Star Compliant	
Thermostats programmable multi-stage	23 09 00 – Instrumentation & Control for HVAC 23 09 13.23 – Sensors & Transmitters	White Rogers or approved equal	#1F97-1277; 7-day programmable thermostat	Energy Star Compliant	
EMS/BAS Building Automation	23 09 23 – Direct Digital Control System for HVAC	Delta NO SUBSTITUTIONS			
Pumps	23 21 23 – Hydronic Pumps	Bell & Gossett or approved equal			
Ventilation equipment	23 34 16 – Centrifugal HVAC Fans	Greenheck, Carnes or approved equal			
Fan Coils	23 36 13 – Constant-Air-Volume Units	Greenheck			
Boilers	23 52 00 – Heating Boilers	Patterson Kelly			Patterson-Kelly – HIGHLY PREFERRED Thermal efficiency of at least 84
Heating	23 54 16.13 – Gas Fired Furnaces	Carrier, York, or approved equal			Generic construction for non-priority parts. Annual fuel utilization efficiency (AFUE) rating of 95%, if possible. The County has a strong preference not to utilize Train due to the proprietary nature of the parts.
Unit heaters, ceiling mounted	23 55 33.16 – Gas Fired Unit Heaters	Modine, Resner, or approved equal	gas unit		

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Air conditioning	23 62 00 – Packaged Compressor & Condenser Units	Carrier, York, or approved equal			Carrier is preferred by County maintenance staff (non-priority parts) The County has a strong preference not to utilize Trane due to the proprietary nature of the parts.
Chillers, Electric	23 64 00 – Packaged Water Chillers	Daikin, York or equal			
Chillers, Absorption	23 64 13.13 – Direct Fired Absorption Water Chillers	Thermax			
Ductless Mini-Split System/VRF		Daikin, Mitsubishi, or equal			
Cooling Towers	23 65 00 – Cooling Towers	Evapco			
Air compressors		Emglo, Speedaire, or equal			

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DIVISION 25		INTEGRATED AUTOMATION			
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
GENERAL NOTES: Per project drawings and specifications					

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DIVISION 26					
ELECTRICAL					
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
Motion sensors	26 09 23 Lighting Control Devices	Watt Stopper, Leviton or Acuity	`		Facilities should include occupancy sensors per room/space type.
Daylighting Controls	26 09 23 Lighting Control Devices	Watt Stopper, Leviton or Acuity			
Electric Vehicle Charging Stations	26 27 00 Low Voltage Distribution Equipment	Juicebox, or equal	Juicebox Pro Commercial Level 2 Charging Station		Tamper-resistant, 18-foot cable with cable management system; Bollard-mounted enclosure rated for environmental conditions at installed location New construction projects are encouraged to provide more than the code required minimum number of EV Ready spaces.
Emergency generators	26 32 13 – Engine Generators	Cummins, Onan or approved equal			Diesel preferred, Natural Gas allowed when approved by County
Variable Speed Drives	Elec	ABB			5hp and larger VFD is recommended to meet power quality requirements as specified by Institute of Electrical and Electronics Engineers (IEEE) Standard 519-2014, Recommended Practices and Requirements for Harmonic Control in Electric Power Systems
Motors	Elec	Baldor, Dayton or equal	NEMA Premium Efficient if 1hp or larger. EC if <1 hp		NEMA Premium Efficient
Interior Lighting	26 51 00 – Interior Lighting		`		1. Interior lighting should be LED technology. 2. Products must be at least Standard Classified by the DesignLights Consortium, which can be found on the California Investor Owned Utility Lightng Qualified Products List: http://caioulightingqpl.com/?WT.mc_id=Vanity_edqpl . 3. Lithonia products preferred
Interior fluorescent	26 51 00 – Interior Lighting	Lithonia fixture or equal	High Performance T8 lamps with extra efficient ballasts		CEE HP Lamps & Ballasts Any fluorescent bulb should be replaced with LED as they burnout/reach expected useful life.
Interior-LED	26 51 00 – Interior Lighting	Lithonia fixture or equal		Use link in Notes to access the 'Qualified Products List' for determining eligibility for energy efficiency incentives offered by PG&E. http://caioulightingqpl.com	1. Products must be at least Standard Classified by the DesignLights Consortium, which can be found on the California Investor Owned Utility Lightng Qualified Products List: http://caioulightingqpl.com/?WT.mc_id=Vanity_edqpl . 2. Lithonia products preferred 2. HPS and MH should be replaced with LED as

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Emergency Lighting	26 52 00 – Emergency Lighting				1. Energy Star Compliant 2. LED 3. Products must be at least Standard Classified by the DesignLights Consortium, which can be found on the California Investor Owned Utility Lighting Qualified Products List: http://caioulightingqpl.com/?WT.mc_id=Vanity_ledqpl . 4. Lithonia products preferred
Exit Signs	26 53 00 – Exit Signs	LED – Standard, Photoluminescent on special needs, pre-approved basis only	120 Vt , Battery Backup	Energy Star Compliant	1. No Nuclear (Tritium/ISOLITE) 2. LED 3. Products must be certified by the DesignLights Consortium, which can be found on the California Investor Owned Utility Lighting Qualified Products List: http://caioulightingqpl.com/?WT.mc_id=Vanity_ledqpl . 4. Lithonia products preferred
Exterior Lighting	26 56 00 – Exterior Lighting			Use link in Notes to access the 'Qualified Products List' for determining eligibility for energy efficiency incentives offered by PG&E	1. LED 2. Products must be certified by the DesignLights Consortium, which can be found on the California Investor Owned Utility Lighting Qualified Products List: http://caioulightingqpl.com/?WT.mc_id=Vanity_ledqpl . 4. Lithonia products preferred 1. HPS and MH should be replaced with LED as they burnout/reach expected useful life.
Exterior High Pressure Sodium or Metal Halide	26 56 23 – Area Lighting				2. Products must be at least Standard Classified by the DesignLights Consortium, which can be found on the California Investor Owned Utility Lighting Qualified Products List: http://caioulightingqpl.com/?WT.mc_id=Vanity_ledqpl . "
GENERAL NOTES: Provide LED lighting, UNO					

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DIVISION 27		COMMUNICATIONS			
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
Data & Cabling Standards					Follow standards/recommendations in the latest version of the 'County of San Luis Obispo Standard for Data and Voice Cabling' by the Information Technology Department
GENERAL NOTES: County PM to provide design consultant with latest County IT Data and Cabling Standards document					

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DIVISION 28		ELECTRONIC SAFETY & SECURITY			
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
Access Control System	28 10 00	Genetec	Per project drawings and specifications		NO SUBSTITUTIONS Note: Provide at new construction and major renovations only.
Fire Alarm	28 31 00 Fire Detection & Alarm	Notifier	`		NO SUBSTITUTIONS
Emergency phone	28 31 00 Fire Detection & Alarm	Allentael or equal	#GB5955SND-02-H4-SP-EY		for fire stations
Video Surveillance Security Systems		Bosch			NO SUBSTITUTIONS
GENERAL NOTES: Genetec ACS to be provided at new construction and major renovation projects only.					

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DIVISION 31		EARTHWORK			
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
Soil Prep for future Turf					3 c.y. Nitrogen Fortified Redwood shavings, 110lbs. Agricultural gypsum, 15 lbs. Iron sulphate, 25 obs. 16-6-8 slow release fertilizer.
Excavation					
Fill					
Slope protection					
GENERAL NOTES: Per project drawings and specifications					

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DIVISION 32		EXTERIOR IMPROVEMENTS			
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
Landscaping	32 90 00 Planting 32 91 00 Planting Preparation 32 92 00 Turf & Grasses 32 93 00 Plants	See County Parks Plant Selection Policy Dated November 17, 1992			Natives first when possible, See Appendix A for Invasive Plant Species restricted for use on County projects, See Appendix B for Native Plants recommended for Erosion Control & Appendix C for suggested Drought tolerant Plants for Direct Seeding.
Natural Areas		Endemic Species only			
Regional Parks, Special Facilities		Endemic Species, SLO County Natives or CA Natives, AND Drought Tolerant, Low Maintenance			
Community Parks, High Use Areas, Landscaped Areas.		Endemic Species, SLO County Natives, California Natives, Mediterranean Climate Species or Sunset Zone Recommended Species AND Drought Tolerant, Low Maintenance			
Riparian Areas, Wetlands		Endemic Species, SLO County Natives			
Planting of Trees & Shrubs	32 90 00 – Planting 32 93 33 – Shrubs 32 93 43 - Trees				
Irrigation	32 80 00 - Irrigation				
Control panel		Irritrol	MC series, remote ready		size for future expansion
Control panel- Parks		RainMaster	MC series, remote ready		size for future expansion
Backflow		Wilkins, Watts	Reduced pressure		or approved equal
Heads		Toro/ Hunter			head to head coverage
Electric Valves		Toro plastic	254/264/252		
Drip irrigation		Netafim, Hardie E02's products			or approved equal
Lateral lines		Schedule 200 PVC			
Main/pressure lines to 2" diameter		Schedule 40 PVC			
Pressure lines over 2" diameter		Schedule 315			

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Filter Fabric for French Drains or under sand & safety surface areas		Amoco	Propex 4551 or equal		Non-biodegradable, non-woven
Playgrounds					
Playground sand		Washed Plaster Sand			Pure & uniform with no rock, debris or organic materials
Playground surfacing	32 18 16.13	Engineered Wood Fiber	Engineered wood fiber 8" min. at all areas of fall zones per plans		10" min. under base mat. Base Mat = blend of polypropylene screen. Top Surface = Engineered wood fiber Gmax: <200, Head Injury Criteria: < 1,0000, Flammability: Pass, Tensile Strength: 60psi, Water Permeability: 0.4gal/yd2/second
Playground Equipment	11 65 00 – Athletic & recreational Equipment 11 68 13 – Playground Equipment 11 68 16 – Play Structures	Per Project Specifications			ADA Compliant
Playground Installer					Certified Playground Safety Inspector -International Play Equipment Manufacturers Association (IPEMA) certified.
Site Furnishings	12 93 00 – Site Furnishings				
Picnic tables	12 93 43 – Site Seating & Tables	Iron Mountain Forge or Pilot Rock XT Series or approved Equal			
Benches	12 93 43.13 – Site Seating	Landscape Structures Iron Mountain Forge	Model 281		6' Surface Mounted vinyl coated steel bench w/back. Color by Owner. 12 ga. Slats or HRS perforated steel w/Tender Tuff coating. Fasteners – socketed & pinned tamperproof, stainless steel 6' Double Pedestal Stationary w/back – construction heart redwood back & seat
Individual BBQs		Pilot Rock or approved equal	A20B2		
Group BBQs		Pilot Rock or approved equal	FA30/11/TB		
Drinking fountains		HAWS or Elkay or equal			

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Surfacing and Finishes					
Asphalt Paving	32 12 00 Flexible Paving 32 12 16 – Asphalt Paving				Section design per Soils Report Min grade base matl = Class II as defined in CalTrans Standards ½" max., med. graded, hot mix, Type A asphalt conc. for parking lots & roads. 3/8" max., hot mix, Type A asphalt concrete for pathways.
Roads & Travelled ways in Parking Lots	32 12 16 – Asphalt Paving				3" Asphalt, 8" Base (min.), Max 2" lifts.
Parking Areas & Walks over 6' wide	32 12 16 – Asphalt Paving				2" Asphalt, 6" Base (min.) Max 2" lifts.
Walks < 6' wide, not adjacent to roadway or parking	32 12 16 – Asphalt Paving				2" Asphalt, 4" Base (min.) Max 2" lifts.
Permeable Pavers					Per project drawings and specifications
Concrete Paving	32 13 13 Concrete Paving			Consider reduction of heat island effect by specifying white concrete (higher SRI)	
Fencing	32 30 00 – Site Improvements 32 31 00 Fences & Gates				
Chain Link (General)	32 31 13 – Chain Link Fences & Gates				
Chain Link (Airports)	32 12 16 – Asphalt Paving				
Slurry Seal					
Bollards	26 56 29 – Walkway Lighting	galvanized steel w/ sleeve in concrete foundation			protect equipment from vehicles
Mulch	32 91 13.16 - Mulching				Composted, shredded hardwood bark, dark brown color.
Sod	32 92 23 - Sodding				Nursery grown grade, cultivated w/strong fibrous root system free of stones, burned or bare spots, containing no more than 10 weeds per 1,000 s.f.
GENERAL NOTES: Provide low maintenance, drought tolerant landscaping with automated irrigation systems per the County's irrigation specifications and the County Park's Division plant lists. Landscaping shall be used effectively to enhance the appearance of the facility without blocking views and visibility for safety and security. Irrigation shall be designed for head to head coverage. Backflow devices are required on irrigation and hose bibs. Maintenance period for irrigation and landscaping is 90 days minimum.					

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DIVISION 33		UTILITIES			
DESCRIPTION	SECTION	MANUFACTURER	PRODUCT / MODEL #	CalGreen/LEED Silver Standards	NOTES
Underground Service Alert (USA)	1-800-227-2600				Contractor responsibility to confirm/verify underground utilities & comply w/policies of USA
Sanitary Sewers	33 30 00 - Sanitary Sewerage Utilities				Pipe slope min. 2%, Manhole spacings @ 300 l.f. max., Pressure test to 5 P.S.I.G. w/air for 15 mins, ½ lb. max. pressure drop.
Sewer piping	33 30 00 – Sanitary Utility Sewerage Piping	Vitrified clay w/bell & spigot joints, Concrete lined C.I. or PVC: ASTM D3034, SDR 35 w/elastomeric gasketed joints conforming to ASTM D3212			
Storm Drains	33 40 00 Storm Drainage Utilities	8" min dia. pipes, Flow at 90% full, w/o surcharge			Flow velocity = 3.0 fps min. when flowing ½ full. Design piping systems to 10 yr. storm frequency. Design drainage for 25 yr. storm frequency.
Surface Drainage					Positive surface drainage away from blgs @ 2.5% min to a collector or paved surface. Do not drain across walks & paths (ADA) 1.5% min for paved gutters & small paved ditches, 2% for area drainage of paved surfaces, 2.5% for small unlined ditches & unpaved yard areas.
Cut & Fill slopes					< or equal to 2:1, unless it can be demonstrated that a steeper slope will not result in increased erosion.
Drain Inlets & Catch Basins	33 44 00 – Storm Utility Water Drains (Trenches, Catchbasins)	24" min. side to allow cleanout. Provide ADA compliant grates in walking areas.			1' deep sediment trap in bottom

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Piping	33 46 16 – Subdrainage Piping	Corrugated metal pipe (CMP): acceptable but not desirable, review w/coord. Reinforced concrete pipe (RCP): >=12" dia. PVC drain pipe: Min grade=ASTM, SDR26 for <12" dia. incl. perf. piping behind ret. walls Gravity flow piping serving manholes: RCP, CI soil pipe or PVC min. grade=ASTM D3034, SDR26 Pressurized or pumped piping serving manholes: Schedule 40 min. PVC w/solvent weld joints			
GENERAL NOTES: Verify requirements with project drawings and specifications					

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APPENDIX A- No-Substitution Product List

- | | | |
|---|-------------|--|
| 1 | Division 08 | Door Hardware- Schlage |
| 2 | Division 23 | Building Automation- HVAC Controls- Delta |
| 3 | Division 28 | Fire Alarm- Notifier |
| 4 | Division 28 | Video Surveillance Security System- Bosch |
| 5 | Division 28 | Access Control System - Genetec |

Refer to Division sections for additional information