Appendix D

CA-CHPS 2014 Editions, Annotated Worksheet prepared for the Administrative Building at Cole Project

Shaw Kawasaki Architects, February 19, 2021

CA-CHPS 2014 EDITION v1.02 - ANNOTATED SCORECARD

Project Information from Project Summary		Review Information	
Project Name:	CENTRAL ADMINISTRATIVE CENTER AT COLE CAMPUS	Submission/Resubmission Date:	5/26/2020
Project Location:	1011 Union Street, Oakland, CA 94607	Review Completed Date:	For Admin Use Only
Project Type:	Non-Classroom Building	CHPS Project ID:	For Admin Use Only

Instructions: Enter the submission or resubmission date and complete 'Points Pursued' columns. Columns entitled 'References for Contractors and Team (Attachments, Construction Docs, etc.)' and 'Other Notes for Contractor Regarding Compliance'are optional but encouraged to communicate project requirements to other team members. Use the Documentation tabs to list full references and attachments for formal review. This document is intended to assist in communicating important information to contractors and to facilitate review of the project by CHPS. This sheet is formatted to print on a 30"x 42" plan sheet.

Criteria		Prerequisite	CalGreen/ Title 24 Measures	Points Possible	Points Pursued	References for Contractors and Team (Attachments, Construction Docs, etc.)	Other Notes for Contractor Regarding Compliance (Items to track during construction, etc.)
Integration	**Subtotal**			**20**	**4**		
II 1.0	Integrated Design	P	T	1	1	Min 2 CHPS workshops	
II 1.1	Enhanced Integrated Design			1	1	Involve GC before CDs, or more workshops, or use BIM	
II 2.1	District Level Commitment			2	1	Only 1 point possible in NC. OUSD is CHPS member and mandates CHPS best practices	
II 3.1	School Master Plan			1	0	N/A	
II 4.1	High Performance Transition Plan - MOD			2	0	N/A for new construction	
II 5.0	Educational Display	P		1	1	Provide a permanent display that describes the high performance features	
II 6.1	Educational Integration			2	0	Involve students as CHPS champions, prepare sustainability education (min 10hrs/yr), educational displays...	
II 7.1	Demonstration Area			1	0	Interactive feachtures for each one of the 5 major env categories: Indoor Environmental Quality, Energy, Water, Site, and Materials and Waste Management.	
II 8.1	Climate Change Action / Carbon Footprint Reporting			3	0	Calculate GHG Inventory (scopes 1, 2 & 3)	
II 9.1	Crime Prevention Through Environmental Design			1	0	Incorporate in design the CPTED Principles: natural surveillance, natural access control, territorial reinforcement, maintenance and management	
II 10.1	Innovation (CHPS Verified Projects only)			4		2 pts per strategy, max 2 strategies. TBD if needed	
II 11.1	District-Wide Sustainability Planning			1	0	SKA: cannot attempt this point since we are not pursuing 8.1.2 Climate Change Action point	
Indoor Environmental Quality	**Subtotal**			**82**	**37**		
EQ 1.0	HVAC Design - ASHRAE 62.1	P	C/T	8	8	MEP Eng	
EQ 1.1	Enhanced Filtration			2		Min MERV 15	
EQ 1.2	Dedicated Outdoor Air System			3		Provide a dedicated outdoor air ventilation system with the ability to efficiently process and manage ventilation down to the individual room level	
EQ 2.1	Pollutant and Chemical Source Control			2	1	3 strategies below=1 point, 5 strategies =2 points. Strategies: off-gassing; walk-off mats; electric ignitions for gas-fired equipment; no mobile fossil-fuel powered equipment indoors (polishers, etc.); CO monitoring, electronics meeting EPEAT rating	
EQ 3.0	Outdoor Moisture Management - NEW	P	C	1	1	CALGreen Section 5.407	
EQ 3.1	Outdoor Moisture Management - MOD				0	N/A for new construction	
EQ 4.1	Ducted Returns			2		Regularly occupied spaces with ducted HVAC return to minimize dust and microbial growth	
EQ 5.0	Construction Indoor Air Quality Management	P	C	7	7	GC to follow SMACNA guidelines for new construction. AND flushout	
EQ 5.1	Enhanced Construction Indoor Air Quality Management			1	2	2 points allowed in non-classroom bldg. Dust control, and follow SMACNA guidelines for occupied bldgs during construction	
EQ 6.1	Post-Construction Indoor Air Quality			1	1	Specify daily cleaning with certified HEPA filter vacuum that meets or exceeds the CRI Seal of Approval/Green Label Vacuum Cleaner Program	
EQ 7.0	Low Emitting Materials	P	C	2	2	Meet CALGreen in paints-coatings, flooring, composite wood, adhesives-sealants-caulks	
EQ 7.1	Additional Low Emitting Materials			6	3	1 pt each: paints-coatings, flooring, composite wood, adhesives-sealants-caulks, furniture-furnishings, ceilings-walls	
EQ 8.1	Low Radon			1	0	Measure radon and mitigate if radon concentrations > 4 pCi/L.	
EQ 9.0	Thermal Comfort - ASHRAE 55	P		4	4	Meet ASHRAE Standard 55 for thermal comfort standards	
EQ 10.1	Individual Controllability			2	0	Intended for classrooms but can translate to NC buildings depending on room type.	
EQ 10.2	Controllability of Systems			2	0	Intended for classrooms but can translate to NC buildings depending on room type. Enable teachers to have reasonable thermal control. Tstat in each classroom and 90% of classrooms with at least 1 operable window	
EQ 11.0	Daylighting: Glare Protection	P	T	4	4	Minimize glare and direct sunlight penetration	
EQ 11.1	Daylight Availability			7	2	Only 2 points available in non-classroom bldg. Support spaces option is applicable only. Daylighting controls and min 30fc illuminance for 50% of adm area and over 40fc in common areas	
EQ 12.1	Views			3	1	Focused on classrooms, libraries, and admin areas but can translate to other room types. Direct line of sight to view glazing from regularly occupied spaces	
EQ 13.1	Electric Lighting Performance			2	0	Credit is focused on classrooms only but practices not limited to classrooms. Project could consider Innovation points	
EQ 13.2	Superior Electric Lighting Performance			7	0	Credit is focused on classrooms only but practices not limited to classrooms. Project could consider Innovation points	
EQ 14.0	Acoustical Performance	P	C	5	0	Applies to classrooms only. N/A for our administration building. Confirmed by Elisabeth Krautscheid (ekrautscheid@chps.net) on 3/31/20 by email	
EQ 14.1	Enhanced Acoustical Performance			4	0	SKA response: we will not pursue this point. Not within acoustical consultant's scope.	
EQ 15.1	Low-EMF Wiring			1		No net current magnetic fields – Correct wiring	
EQ 15.2	Low-EMF Best Practices			2		Most of this is geared for classrooms but other room types with similar equipment could pursue some practices.	
EQ 16.1	Thermal Displacement Ventilation			2	0	N/A. Applies to classrooms only	
EQ 17.1	Mercury Reduction			1	1	All LED lighting	
Energy	**Subtotal**			69	27		
EE 1.0	Energy Performance	P	T	8	8	Time dependent valued (TDV) energy must be at least 5% less than Title 26-Part 6-2016	
EE 1.1	Superior Energy Performance			40	6	Utilize the Energy EE 1.0 for quantifying reductions in total energy use. 5% 3 pts. 10% 6pts, 15% 9 pts, 20% 12 pts, 30% 18 pts, 40% 22 pts, 50% 25 pts, 60% 28 pts, 70% 31 pts, 80% 34 pts, 90% 37 pts, 100% 40 pts	Interface Bldg Performance Report dated April 14, 2020 confirms compliance margning of 10.1% (6 pts)
EE 2.0	Solar Ready - NEW	P	T	0	0	Title 24, Part 6, Section 110.10	
EE 2.1	Zero Net Energy Bonus			2	2	Zero Net-Energy Capable	
EE 3.0	Commissioning	P	T	4	4	Like LEED enhanced Cx. Requires 3rd party CxA and 10-month post occupancy review	
EE 3.1	Additional Commissioning Qualifications			1	1	CxA is is a licensed architect or engineer with at least two years' experience in the state	
EE 3.2	Building Envelope Commissioning			2	0	Usually specialty consultant	
EE 4.0	Environmentally Preferable Refrigerants - NEW	P	C	1	1	No CFCs or Halons	
EE 4.1	Environmentally Preferable Refrigerants - MOD				0	N/A for new construction	
EE 5.0	Energy Management System - NEW	P	T	0	0	Comply with Title 24 Energy Management Systems (EMS), lighting control and metering	
EE 5.1	Energy Management System			2	0	N/A for new construction	
EE 5.2	Advanced Energy Management System and Submetering			2	2	Automated Demand Management and install a meter data acquisition and storage system for all electrical power used within the building	
EE 6.1	Natural Ventilation		T	3	0	N/A if there'sr mechanical air-cooling	
EE 7.1	Low Carbon School			1	1	Do not use on-site natural gas consumption for space heating and water heating	
EE 8.1	Electric Vehicle Charging			1	0	EV chargers in 2% of parking spaces. There will only be EV-ready	
EE 9.0	Energy Conservation Interlocks - NEW	P	T	2	2	Install interlocks on doors and windows as required in Title 24 Section 140.4(n)	
EE 9.1	Energy Conservation Interlocks - MOD				0	N/A for new construction	

Criteria		Pre- requisite	CalGreen Element	Points Possible	Points Pursued	References for Contractors and Team (Attachments, Construction Docs, etc.)	Other Notes for Contractor Regarding Compliance (Items to track during construction, etc.)
Water	**Subtotal**			22	13		
WE 1.0	Indoor Water Use - NEW	P	C	4	4	Comply with CALGreen, Sections 5.303.3 and 5.303.6	
WE 1.1	Minimum Reduction in Indoor Potable Water Use - MOD				0	N/A in new construction	
WE 2.1	Reduce Potable Water Use for Sewage Conveyance			4	2	Only 2 pts available in non-classroom bldg. Reduce water use at least 20%	
WE 3.0	Irrigation and Exterior Water Budget	P	C	1	1	CALGreen mandatory measure SKA: confirmed by Landscape that we will meet this requirement	
WE 3.1	Irrigation and Exterior Water Budget - Use Reduction			2	0	Irrigation with soil moisture meter and auto shut-off SKA: confirmed by Landscape we cannot pursue this point as it pertains to recreational playing fields	
WE 4.1	Reduce Potable Water Use for Non-Recreational Landscaping			3	1	Reduce water use for irrigation. 20% 1 pt, 30% 2 pts, 50% 3 pts SKA: confirmed by Landscape we can achieve 20% reduction in potable water use	
WE 5.1	Reduce Potable Water Use for Recreational Landscaping			2	0	N/A	
WE 6.1	Irrigation Systems Commissioning			3	3	Ensure it is included in Cx scope, as usual	
WE 7.1	Water Management System			2	2	Sub meter indoor water uses & landscaping	
WE 8.1	Demonstration Rainwater Catchment			1	0	Rainwater catchment must be exposed and with permanent signage for education	
Sites	**Subtotal**			23	15		
SS 1.0	Site Selection	P		2	2	Do not build on sites containing pollutants known to be hazardous to student and staff health. CEQA document might have the info	
SS 2.1	Environmentally Sensitive Land			2	2	Previously developed	
SS 3.1	Minimize Site Disturbance			1	0	Floor Area Ratio OK: 56,176/110,759=1.9 (over 1.4) Parking capacity- no add compared to existing conditions & 5% preferred for carpools/vanpools and low emitting vehicles. SKA: Cannot achieve this point because requires 25% of site area to be vegetated open space, which is more than what we have shown.	
SS 4.0	Construction Site Runoff Control and Sedimentation	P		1	1	GC to do	
SS 5.0	Grading and Paving - NEW	P	C	0	0	Comply with CALGreen Section 5.106.10	
SS 5.1	Post Construction Stormwater Management			2	2	Reduce 25% stormwater runoff compared to pre-development AND isolate trash area to prevent off-site transport of trash. AND provide post-construction BMPs Civil to advise SKA: Civil has confirmed these 2 points are achievable	
SS 6.1	Central Location			2	2	Site within 1/2 mile of 8 basic services	
SS 7.1	Located Near Public Transportation			1	1	Site within 1/4 mile of a commuter rail, light rail or subway station, or within 1/8 mile of one bus line.	
SS 8.1	Joint Use of Facilities			1	0	50% of parking for community, all available off hours. 75% of garden space for community	
SS 9.0	Bicycle Parking - NEW	P	C	0	0	Comply with CALGreen, Section 5.160.4.2.2.	
SS 9.1	Human-Powered Transportation			2	1	Walkways and bike lanes from building entrace to end of property, AND bike parking (% based on number of students. 5 to 25%, not clear)	
SS 10.1	Reduce Heat Islands - Landscaping and Sites			2	0	Site non-roof area: 50% impervious, or with shade, or SRI over 0.29 SKA: per Civil we could potentially achieve these points but will add cost. Since budget is a concern and we don't need extra points, we will not pursue this.	
SS 11.1	Reduce Heat Islands - Cool Roofs and Green Roofs/Walls			2	2	SRI over 82 in at least 75% of roof surface	
SS 12.0	Light Pollution Reduction - NEW	P	C	0	0	CALGreen mandatory measure. Required only within scope of project.	
SS 12.1	Avoid Light Pollution and Unnecessary Lighting			2	1	Lighting eng to advise. Controls, lumens per acre, CRI...	
SS 13.1	School Gardens			2	0	Provide a min of 200sf of garden for a student enrollment of 499 or less to promote learning about environment and healthy foods	
SS 14.1	Use Locally Native Plants for Landscape			1	1	At least 80% of plants are native species	
Materials and Waste Management	**Subtotal**			17	12		
MW 1.0	Storage and Collection of Recyclables	P	C	2	2	Minimum: paper, cardboard, glass, plastics, organic waste, and metals. The school must have a written program stating the logistics of the recycling efforts.	
MW 2.0	Construction Site Waste Management	P	C	2	2	Min 65%	
MW 2.1	Construction Site Waste Management			2	1	75% diversion = 1 pt 90% diversion = 2pts	
MW 3.1	Single Attribute - Recycled Content			2	2	Specify materials with recycled. At least 20% by cost	
MW 4.1	Single Attribute - Rapidly Renewable Materials			1	1	Specify rapidly renewable materials for 50% by area of one of these: flooring, casework, acoustic ceiling tile, wall covering	
MW 5.1	Single Attribute - Certified Wood			1	1	50% of wood FSC certified	
MW 6.1	Single Attribute - Materials Reuse			1	0	N/A in non-classroom bldg	
MW 7.1	Multi-Attribute Materials Selection			2	2	Select at least 10 products with EPDs	
MW 8.1	Building Reuse - Exterior - MOD			2	0	N/A for new construction	
MW 9.1	Building Reuse - Interior - MOD			1	0	N/A for new construction	
MW 10.1	Health Product Related Information Reporting			1	1	At least 20 products with HPD, C2C, MHC, Declare or GreenScreen	
Operations & Metrics	**Subtotal**			17	4		
OM 1.0	Facility Staff and Occupant Training	P		2	2	Shall be in CxA scope	
OM 2.1	Post-Occupancy Transition			1		Do post-occupancy meeting and survey	
OM 3.0	Performance Benchmarking	P		2	2	Policy: track energy use over time: Conduct a post-occupancy analysis of the school's indoor environmental quality, and energy performance after 1-2 years or perform recommissioning after 2-5 years.	
OM 4.1	High Performance Operations			6	0	Only 2 possible points in non-classroom bldg. 4.1.1 intended for classrooms	
OM 5.1	Systems Maintenance Plan			1		Create a school Systems Maintenance Plan for MEP items	
OM 6.1	Indoor Environmental Management Plan			1		Employ during operations the EPA's IAQ Tools for Schools Action Kit: www.epa.gov/iaq/schools/actionkit.html	
OM 7.1	Green Cleaning			1		Owner to decide. Create plan and audit between 12-18 months from occupancy	
OM 8.1	Integrated Pest Management			1		Design to limit potential of pest (see guidelines). Develop and support an Integrated Pest Management (IPM) Plan that emphasizes a least-toxic approach to IPM.	
OM 9.0	Anti-Idling Measures	P		0	0	No vehicle engines within 100 feet of a school. No idling for more than 30 seconds	
OM 9.1	Additional Anti-Idling Measures			1		Policy and signage	
OM 10.1	Green Power			1		Buy Renewable Energy Certificates (RECs) equivalent to at least 15% of the school's projected annual electricity needs as modeled under EE 1.0 and EE 1.1 for at least two years of occupancy.	

Total	250	112	NEED 83 POINTS FOR CHPS VERIFIED CERTIFICATION

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119003 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/01/2021

NOTE: If this drawing is not 30"x42" it has been revised from its original size and the scales noted on drawing/details are no longer applicable.

NO.	DATE	ISSUE DESCRIPTION
	06/04/2020	90% CONSTRUCTION DOCUMENTS
	07/10/2020	100% CONSTRUCTION DOCUMENTS
1	02/19/2021	DSA BACK CHECK

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CENTRAL ADMINISTRATIVE CENTER AT COLE CAMPUS

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LICENSED ARCHITECT PHILIP SHENG-TI LO C 29075 EXP. 12-31-21 STATE OF CALIFORNIA

Drawing Title
CHPS SCORECARD

Drawing No.
A-005

SKA Project Number: 19718 | OUSD Project Number: 19119

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