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San Diego, CA 92108
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December 10, 2019

San Diego Unified School District
Attn: Rich Kessler – Sr. Project Manager

Re: Perkins Elementary School Enhanced Filtration Report

Dear Rich,

C.W. Driver (CWD) and Sillman Wright Architects (SWA) have been selected as the Design Build Entity responsible for the addition of Heating, Ventilation and Air Conditioning at Perkins Elementary School located at 1770 Main Street in San Diego.

At the request of the District, SWA provided an HVAC System Options & Air Filtration Engineering Study dated 4/13/2018 which describes options for the HVAC design at Perkins ES to provide a higher level of indoor air quality. These options which are described below have been incorporated into the HVAC design of the project and are currently under construction.

The Perkins ES site includes four single-story permanent buildings and one two-story permanent building. The site also includes a series of temporary/relocatable buildings that are not part of the enhanced filtration scope of work.

HVAC Enhanced Filtration Systems includes the following:

Single-story permanent buildings – Buildings 400 (Kindergarten), 500 (Media Center), 700 (Admin.) and 800 (Multi-purpose) – The installation of High Static pressure rooftop mounted units with MERV 13 filters within the unit and carbon filters and housing mounted downstream of the unit (in the supply duct). This configuration will be a horizontal discharge configuration with filters mounted on the duct exposed on the roof.

Two-story permanent building – Building 900 (Classrooms) – This building requires (2) Dedicated Outside Air System (DOAS) units to provide the supplemental pre-filter (MERV 13) and carbon filtered ventilation air requirements as well as pre-cool / pre-heat the outside air which will be ducted to each individual classroom. Conditioned air will be provided to address the internal loads (generated by people, computers, lights, etc.) using room mounted heat pumps (heating and cooling) that will be enclosed in a new internal mechanical cabinet. The new heat pumps provide internally filtered air circulation for each classroom.

Current Construction Status:

Construction began at Perkins ES during the summer of 2019 and Substantial Completion is expected to be completed in February of 2020. HVAC units are currently operational at Buildings 400, 500, 700 and 800. Construction at Building 900 is scheduled to begin in late December.

Construction costs related for the enhanced filtration scope of work include the following:

Trade	Cost
Mechanical	\$96,482
Electrical	\$126,400
Plumbing	\$10,000
Framing	\$45,000
Structural/Concrete	\$16,000
Window/Wall Modifications	\$12,800
Sheet Metal	\$6,400
Concrete	\$33,356
Painting	\$44,465
Architect/Engineering	\$31,272
General Contractor OH&P, Bond, Insurance, Management, etc.	\$65,990
Total	\$488,165

Sincerely,



Matt Christensen
Project Manager