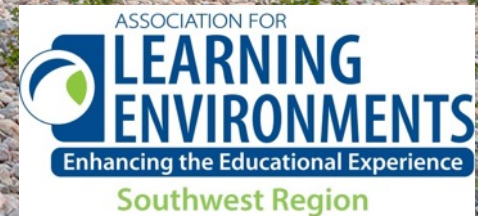


2018 Monarch Award Midvale Middle School



Midvale, Utah
Middle School
New Construction
VCBO Architecture





Front entry canopy designed using proportions of the Golden Section, infilled with suspended metal panels to create unique and constantly changing patterns with the sun's movement.



Each academic house accommodates an entire grade. Large east facing windows and a clerestory runs deep into the block, flooding the central collaboration spaces with natural light. The blocks were designed to complement the scale of the surrounding neighborhood.



The houses are placed with enough space between so that the house to the north is never in shade. This creates the perfect courtyard – an outdoor classroom for each grade. Environmental graphic signage shows how the design of the building can be used as an educational tool.



Midvale Middle School serves a very diverse community with a large refugee community, a homeless shelter within the school boundaries and an accelerated learning program (S.A.L.T.A.) that acts as a magnet for students from all over the school district. The new school has given an often overlooked community a source of pride.



Playful, tessellated shapes form concrete planters and sidewalks flexible enough for large group teaching, small group project work, a quiet chat with a friend or personal time. The concrete sidewalks were patterned after MC Escher's three dimensional drawing style.



The main entry lobby acts as a hub for the school and pulls students into the building with excitement. The bold geometric forms throughout the school teach the concept that there is strength in being a unique individual, but even greater strength in working together for one purpose.



Above the secured main entry vestibule is a reading room just off of the media center. A central idea box coined the “thinking lemon” is a focal point and a great place for students to read quietly.



Well lit, dynamic spaces make learning fun!



Each house is marked with its own color and large monolithic portal entry, which aids in way finding, but also grade pride. Graphics profiling “heroes,” amazing people who have shown strength in many different ways, are placed throughout the school to inspire the students. The heroes were mainly focused on ethnic minorities and women.



The central student commons acts as the core of the school, a space to meet, learn and eat lunch. With over 90% of the students on free or reduced lunch, the kitchen is always at full speed. Thermal displacement diffusers and ductwork are concealed behind dramatic geometric forms.

Site Plan



Academic wings are oriented along an east/west axis, allowing only north or south light (which is controlled by shading devices) to enter the classrooms.

Floor Plan - Main



Floor Plan - Upper



Project Narrative (page 1)

- Designed to complement the surrounding neighborhood aesthetic, Midvale Middle School is a replacement school that takes cues from the brick houses and art-deco style architecture of the historic town. The students are split into three grade-level specific academic houses of two levels each. These houses are aligned along a main street, reminiscent of the houses in the town of Midvale. Inspiring “outdoor classroom” courtyards are created between the houses, with easy access from interior to exterior. The classroom blocks were designed to maximize natural daylighting within classrooms, enhance collaboration and enable professional learning communities. Classrooms utilize large transparent roll-up doors to allow students to flow in and out of the collaboration space in an infinite amount of configurations, while maintaining supervision within the spaces.
- Accommodating 6th, 7th and 8th graders, the school theme is the concept of “Strength in Unity” - the idea of many small unique things joining together to make one beautiful unified whole. The building includes a 3,000 sf multi-purpose room, nicknamed the “Forum,” designed for anything from a community meeting to a small concert performance or an impromptu dodge ball game! The multi-level student commons/cafe opens to an outdoor student plaza. An open, forward-thinking 21st century media center acts more as a community center/meeting space than an old traditional "keep quiet" library.



Project Narrative (page 2)

- Load-bearing, locally produced masonry and metal siding contribute to the school's sustainable design goals. The mechanical system utilizes 3-stage evaporative cooling, an ice storage system and thermal displacement ventilation, drastically reducing energy consumption. The existing faculty and staff, students, parents and community members were active participants in the design process. One essential design request was that the building be usable for community activities; for this reason the individual wings are easily sealed off. The overall design successfully integrates historic, cultural and environmental goals.





Project Budget

- Owner's Construction Budget - \$40,000,000
- Bid - \$39,285,000
- Project completed in June 2017 with a contingency surplus of over \$900,000 handed back to the owner.

Application and Certificate for Payment

TO OWNER: Canyons School Dist (Midvale Middle
9361 So 300 E
Sandy, UT 84070

PROJECT: Midvale Middle School

APPLICATION NO: 26
PERIOD TO: 2/28/2018
CONTRACT FOR:
CONTRACT DATE: 6/30/2015
PROJECT NO: 9450

Distribution to:

OWNER ☐

ARCHITECT ☐

CONTRACTOR ☐

FIELD ☐

OTHER ☐

FROM
CONTRACTOR:

VIA
ARCHITECT:

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract. Continuation Sheet is attached.

1. ORIGINAL CONTRACT SUM	\$	39,284,324.00
2. Net change by Change Orders	\$	0.00
3. CONTRACT SUM TO DATE (Line 1 + 2)	\$	39,284,324.00
4. TOTAL COMPLETED AND STORED TO DATE (Column G on Attachment)	\$	38,424,381.00
5. RETAINAGE:		
a. 0.33% of Completed Work (Column D + E on Attachment)	\$	125,000.00
b. 0.33% of Stored Material (Column F on Attachment)	\$	0.00
Total Retainage (Lines 5a + 5b or Total in Column 1 on Attachment)	\$	125,000.00
6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total)	\$	38,299,381.00
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)	\$	37,848,567.00
8. CURRENT PAYMENT DUE	\$	450,814.00
9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6)	\$	984,943.00

CHANGE ORDER SUMMARY	ADDITIONS	SUBTRACTIONS
Total changes approved in previous months by Owner	0.00	0.00
Total approved this Month	0.00	0.00
TOTALS	0.00	0.00
NET CHANGES by Change Order		

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR:

By:

Date: 28 Feb 2018

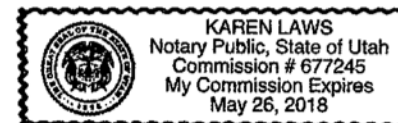
State of: Utah

County of: Davis

Subscribed and sworn to before
me this 28th day of February, 2018

Notary Public:

My Commission expires:



ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising this application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED \$ 450,814.00

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

ARCHITECT:

By:

Date:

2/28/18

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.



Project Details

1. Project Name	Midvale Middle School
2. District Name	Canyons School District
3. City/State	Salt Lake City, Utah
4. Superintendent	Dr. Jim Briscoe
5. Occupancy Date	August 23, 2017
6. Grades Housed	6-8
7. Design Capacity (# of students)	1,100
8. Site Size (acres)	17.5
9. Gross Area (Sq. Ft.)	205,000
10. Space per Pupil (Gross)	187
Design Build (Y/N)?	N
If yes, Total Costs	
If yes, Cost Include:	
If no, Site Development Costs	\$4,500,000
If no, Construction Costs	\$34,000,000
If no, FF&E	\$750,000
If no, Other:	
If no, Total Cost	\$39,250,000