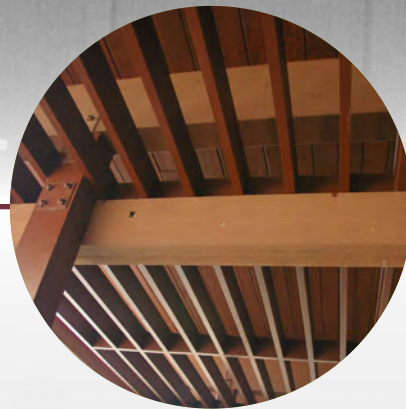


SAME MOUNTAIN



NEW LOOK

CRP
ARCHITECTS



OWNER



ARCHITECT



CONTRACTOR



KITCHEN

FOODSERVICE
LAUNDRY
LABORATORY
CONSULTANT

JEAN
SEBBEN
ASSOCIATES

INTERIORS



CIVIL



M.E.P.T.

MGA
Structural Engineers, Inc.

STRUCTURAL



LANDSCAPE

CHEYENNE MOUNTAIN HIGH SCHOOL REMODEL/ADDITION PROJECT

MAY 2014 - DECEMBER 2016



Interior courtyard patio looking back at student commons



GIVE ME THE STATS

Learn some quick statistics and overall information about the new facility, as well as gain some facts about the original Cheyenne schools that you may not have known.



WHERE AM I?

It's not just the incoming freshmen... now NOBODY knows where they're going! New buildings mean new adjustments. Check out the diagrammatic maps to get your bearings on floor levels, department locations and department layout.



WHAT MAKES IT THE “*SAME MOUNTAIN?*”

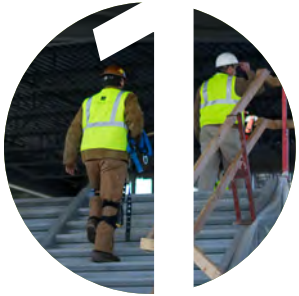
Cheyenne Mountain High School has a long-standing presence in the surrounding community, rich in tradition and beaming with pride. See some of the unique ways we paid homage to the history of ‘the Mountain’ and how the Cheyenne spirit is kept alive throughout the design.



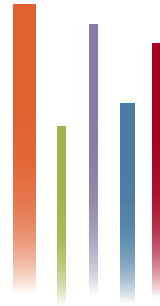
THEN AND NOW - STRENGTH IN CHANGE

It is astounding to see the difference a community can make in choosing to pass a bond for their local school district. A picture is worth a thousand words. The ‘before’ and ‘after’ images show the power that change can bring. This is truly a school built for the community, by the community.





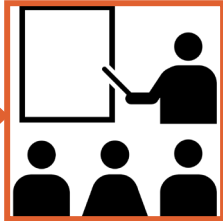
THE STATS



105,000
+
100,000

SQUARE FEET OF
NEW SPACE

SQUARE FEET OF
REMODELED SPACE



New classroom space is **1.8X** larger than the old classrooms



Once all phases of construction are finished, **EVERY** classroom in the entire school will either be brand new or fully remodeled.

The layout of the old school had **120+ exterior doors which were routinely accessible during the school day.**



The new design remedied this safety concern. Now, once the first bell has rung, there will be only one exterior door intended for entry. It will lead into a vestibule and security checkpoint in which a visitor must be granted permission to enter the main school doors.

The original school cafeteria (the Kiva) was designed to hold roughly 600 students. With a current student population of about 1,400, the need for a student commons was beyond overdue. **The new student commons/cafeteria is double the size at 8,700 sf** and is designed to be highly flexible for the school day and after-hours activities. The Kiva still remains as the tribute to the 'heart' of the school and will function as a multi-purpose conference and community space.



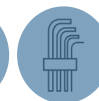
• **4,400** USABLE SPACE
• **8,700** USABLE SPACE



Not including locker space, circulation corridors are now **12 FEET** in width, which is **twice the size** they used to be.

AIR CONDITIONING?

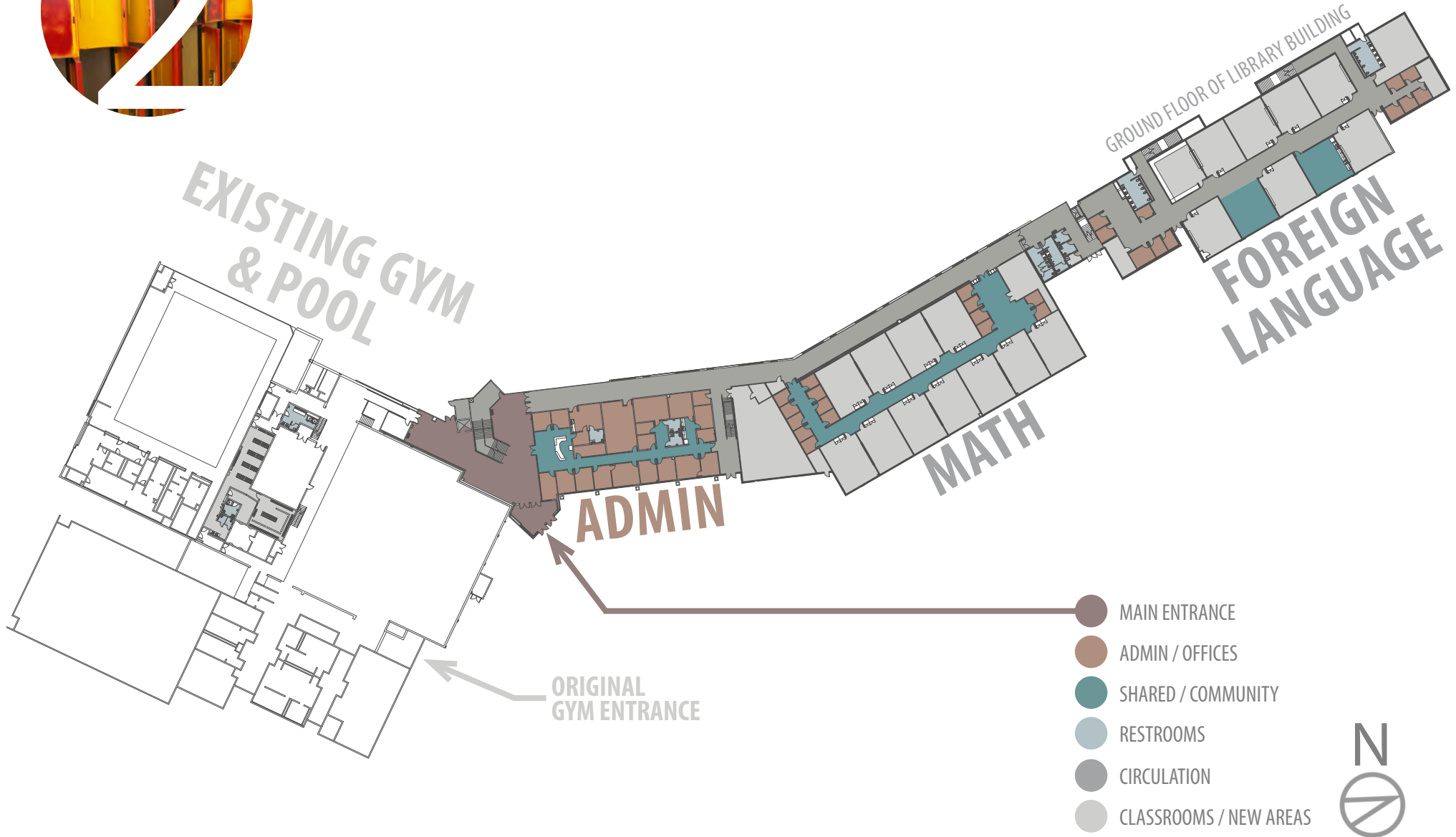
YES!



All new facilities, as well as some existing [the library building, Kiva and auditorium], will now have **AIR CONDITIONING** along with an entirely new state-of-the-art mechanical system.

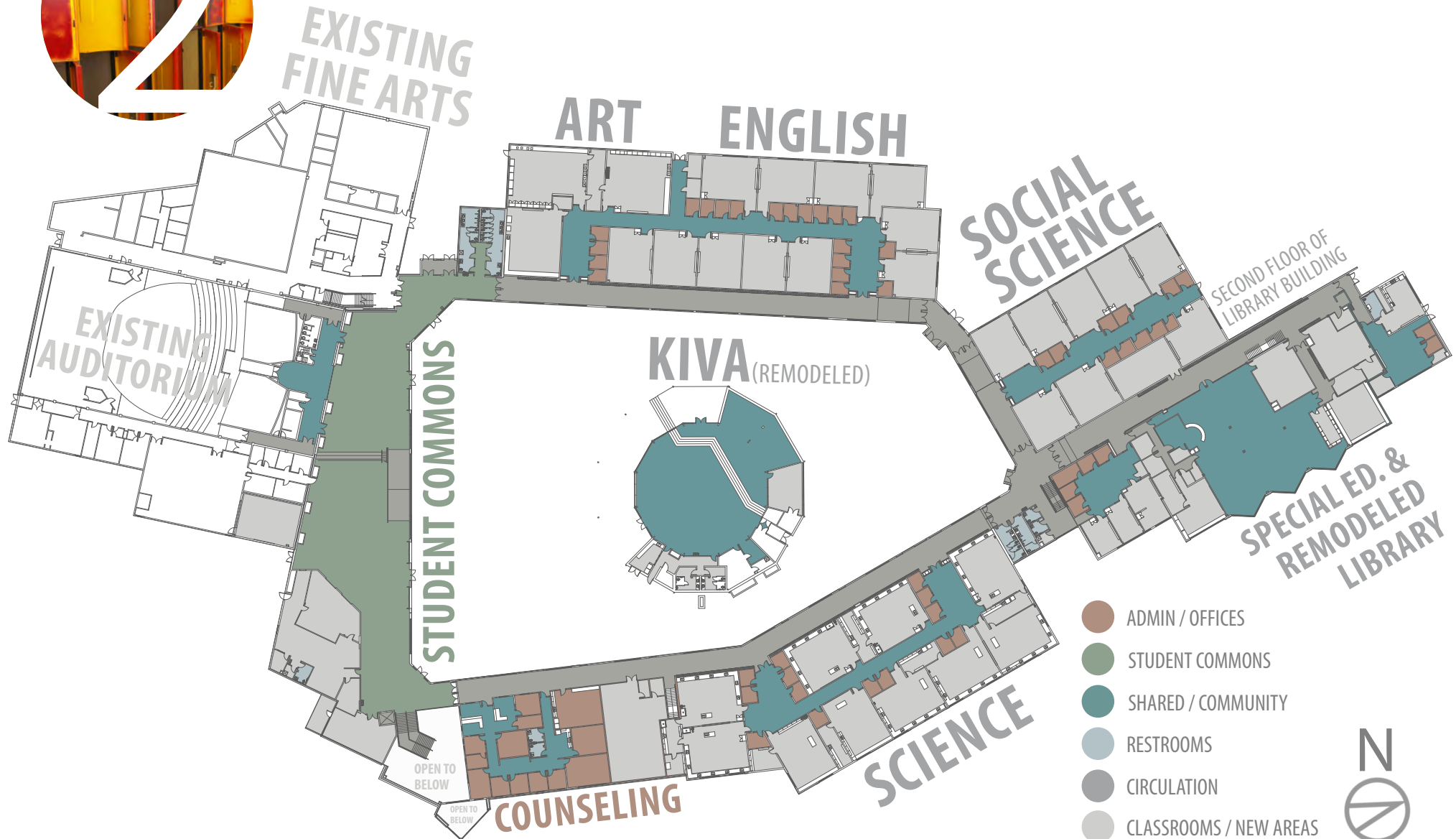


LOWER LEVEL (MAIN ENTRANCE)



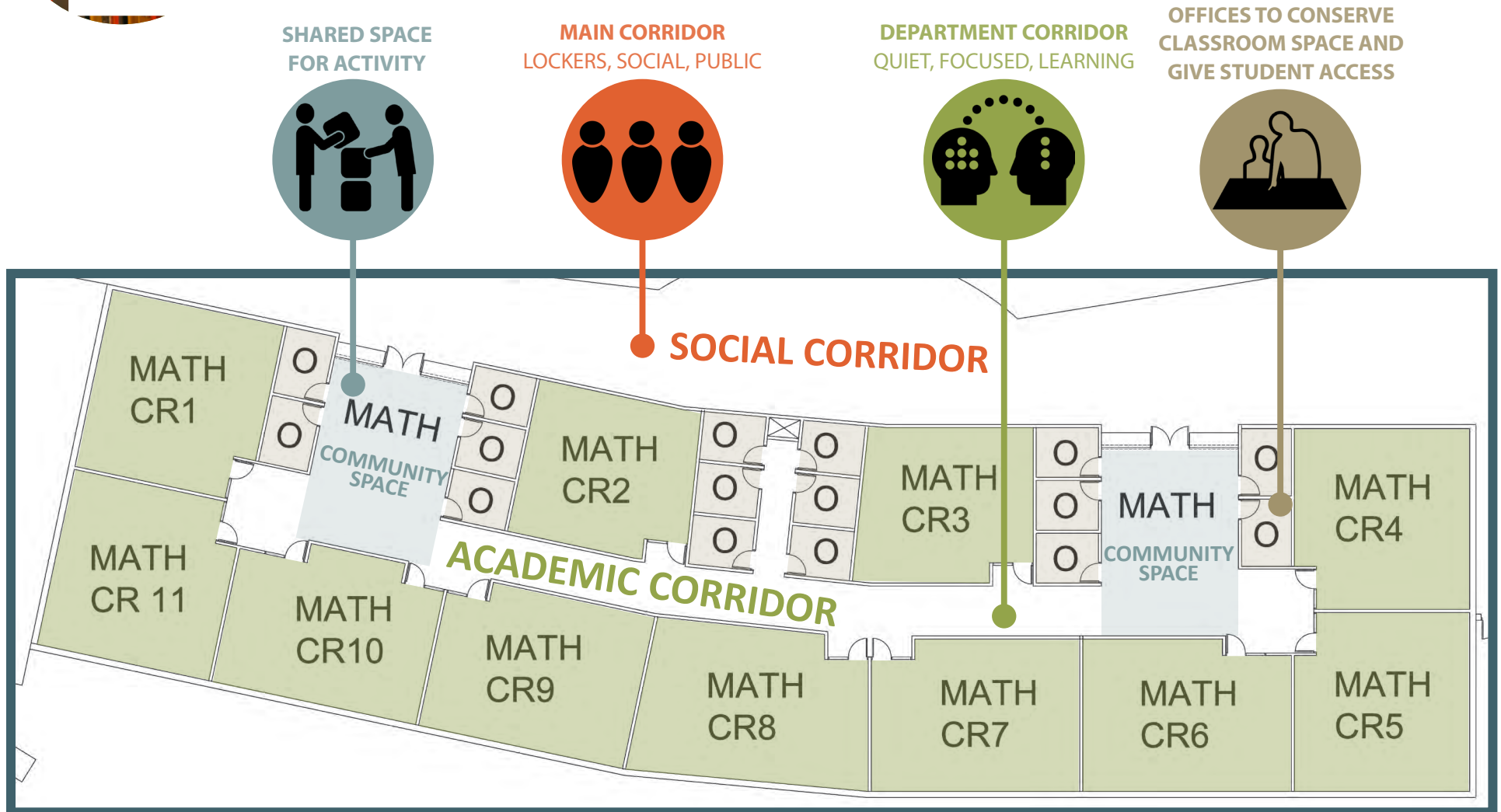


UPPER LEVEL (COMMONS/COURTYARD)





CMHS reflects a college-preparatory delivery system, meaning there is heavy emphasis on the identity of individual departments, much like a college campus. However, the existing school could not allow for each department to be located within a department core. All departments were scattered across the campus, making it difficult to collaborate. **With the new design, we were able to give every department a personalized pod off the primary corridor.** Teachers have offices within their department space but aren't confined to a "home" classroom, allowing them to interact and collaborate amongst other teachers in their department. Plus, students now have access to their teachers in an office environment (similar to college) without having to find them in a classroom or interrupt a class period. By eliminating a "home room," classrooms can be used by different teachers during different class periods, thus allowing for higher building usage efficiency. Each department is complete with shared community spaces as well as a personalized display case at each entry to share recent projects or happenings in that specific department.

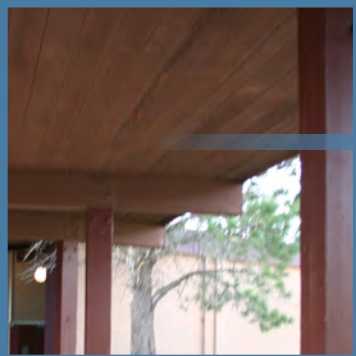




THE SPIRIT LIVES ON

For generations of alumni, the excitement of a new school would come with a cost. They knew it meant the demolition of the cinder block walls and wooden pergolas that held decades of memories, moments and life-changing growth. It was bitter-sweet to watch the original stomping grounds turn into dirt and debris mounds. However, it was done with a guiding light of much needed change that alleviated the pain of losing the past. Yet, this left everyone asking the question - **If there's an entirely new look, what makes it "Cheyenne Mountain?"**

THE ORIGINAL MATERIALS



An iconic structure in the high school's original design were the outdoor wooden awnings which covered the exterior walkways. Anyone who has spent significant time walking between buildings knows their significance as the primary form of shelter and a familiar building aesthetic. During the demolition phase, hundreds of these wood planks were salvaged, preserved and refinished. They now serve as an interior design finish in the school [the face of the new servery].

THE HALL OF FAME



Cheyenne has forever been known for its community pride and rich traditions. The district would not be where it is today without the influential people of yesterday who've made a lasting impact on maintaining its success. The Hall of Fame has always been an honored piece of the building's character and inspiration of past legacies. It's home in the school's new main entrance will ensure that visitors will forever be greeted by these Mountain Legends.





AN OUTDOOR CONNECTION



Previous front lawn where students gathered



Four maroon doors exit into the courtyard from all departments



Glass garage doors bring the outdoors into the commons



Every corridor and classroom now has access to natural light



Greenery and outdoor seating weaves throughout the campus



The LARGEST courtyard in the state of Colorado **51,000 SF**

One aspect of Cheyenne Mountain High School which has always been unique is the ease in access to outdoor space and fresh Colorado air. Students, teachers and alumni have always boasted about the opportunity to spend time outdoors throughout the school day. However, this luxury came with an unfortunate price; due to the original floorplan containing separated buildings and exterior exposure, it meant more than 120 doors might be accessible during the school day. This security threat definitely needed to be remedied, but there was a passionate desire to maintain the outdoor connection so deeply rooted in the Cheyenne culture. **The solution - create the largest enclosed exterior space in a school within the state of Colorado.** At almost 51,000 sf, it can hardly be classified as a "courtyard," considering it's just shy of a football field. Apart from access to sunlight and fresh air, this area will have group seating, homework tables, various patio levels and access to electricity for outdoor events. Students will have the option to walk outside in between any class period just as they used to, but now in a safe and secured environment.

Four glass garage doors open out of the student commons to allow for natural air circulation and a seamless melding of inside and outside. Every corridor and classroom will also have access to natural light. And an innovative landscape design weaves opportunities for landscaping throughout the entire campus, including tiered vegetation at the front entrance that doubles as seating space. The design aimed to hold the integrity of a natural connection while providing user flexibility as well as overall campus safety.





A SOLID FOUNDATION

There is something to be said about the intrinsic state of a school being built into a mountain-side. And we must understand that this is something characteristic to Cheyenne and hardly any other schools. Identity is found with this condition.

But the pride of Cheyenne Mountain is deeply rooted in the aspect that it is a part of an actual mountain. Since the birth of the school's design in the 1960's, native Colorado elements were used to capture this organic condition.

However, no material was more iconic than the moss rock that blanketed the campus surfaces. Whether it was the base of a wall, the stack of a chimney or just mere decoration, the moss rock embodied the spirit of the school and took on an aesthetic role never seen or used before in most high schools. This was a design element we saw as a treasured legacy and knew it had to set the foundation of our "*mountain modern*" building scheme. Much like the original facilities, you will find moss rock woven throughout the new structures. It also acts as the symbolic feature in the new main entrance. **As if the monolithic stone walls reaching towards the sky have always been there, the new entrance wraps around these pillars of strength and stability.**

Another piece of symbolism found within the interiors is the mountain ranges which stretch across the walls. **The school was founded on a mountain and is supported by a mountain and no matter how the building changes, the mountain stands eternal.** A tribute to the mountain's shadow in which the school forever lives in can be found throughout the new spaces.





THE HEART OF CHEYENNE MOUNTAIN

Lloyd Shaw, the Superintendent of Cheyenne schools from 1916-1951, is a legend in the community. He exuded a larger-than-life outlook on education and was passionate about giving students the platform to become the greatest versions of themselves. He believed in a hands-on, sense-engaging, multi-platform approach to learning and was fully involved in all happenings within the district. He created an atmosphere for teaching which was unlike any other - one that is still nationally recognized to this day.

Along with his respect for education came a respect for the environment and physical surroundings of his district. He embodied a fascination for local art, history, and the people who came before him; Zebulon Pike, the Taos Society of Artists, and the Native American tribes common to the area. He saw the school grounds as a sacred space, forever paying respect to the Cheyenne tribes which once called them home. As homage to this noble tribe, Shaw built a Kiva* on the original school grounds. It became the destination for dance classes, theater performances, community gatherings and even demonstrations from Navajo artists. While Lloyd had already passed when the high school premiered in 1962, the next generation of a "Kiva" was built on the grounds to continue Shaw's traditions. His affinity for the Southwest and local native culture had a lasting impact on the Cheyenne community.

Due to this significance and historical presence, the new plan is designed around the existing structure recognized as the original high school "Kiva," - thus making it the true heart of the school. It symbolically and physically represents a central space to gather, share, learn and explore. It represents community, heritage and a joining of differences into a single, concentric form.

The Kiva has been renovated to accommodate current and future education needs as well as the needs of the community. However, the existing pinwheel structure still remains; It's new era of symbolism will soon be discovered by generations to come.

PROJECT FACT

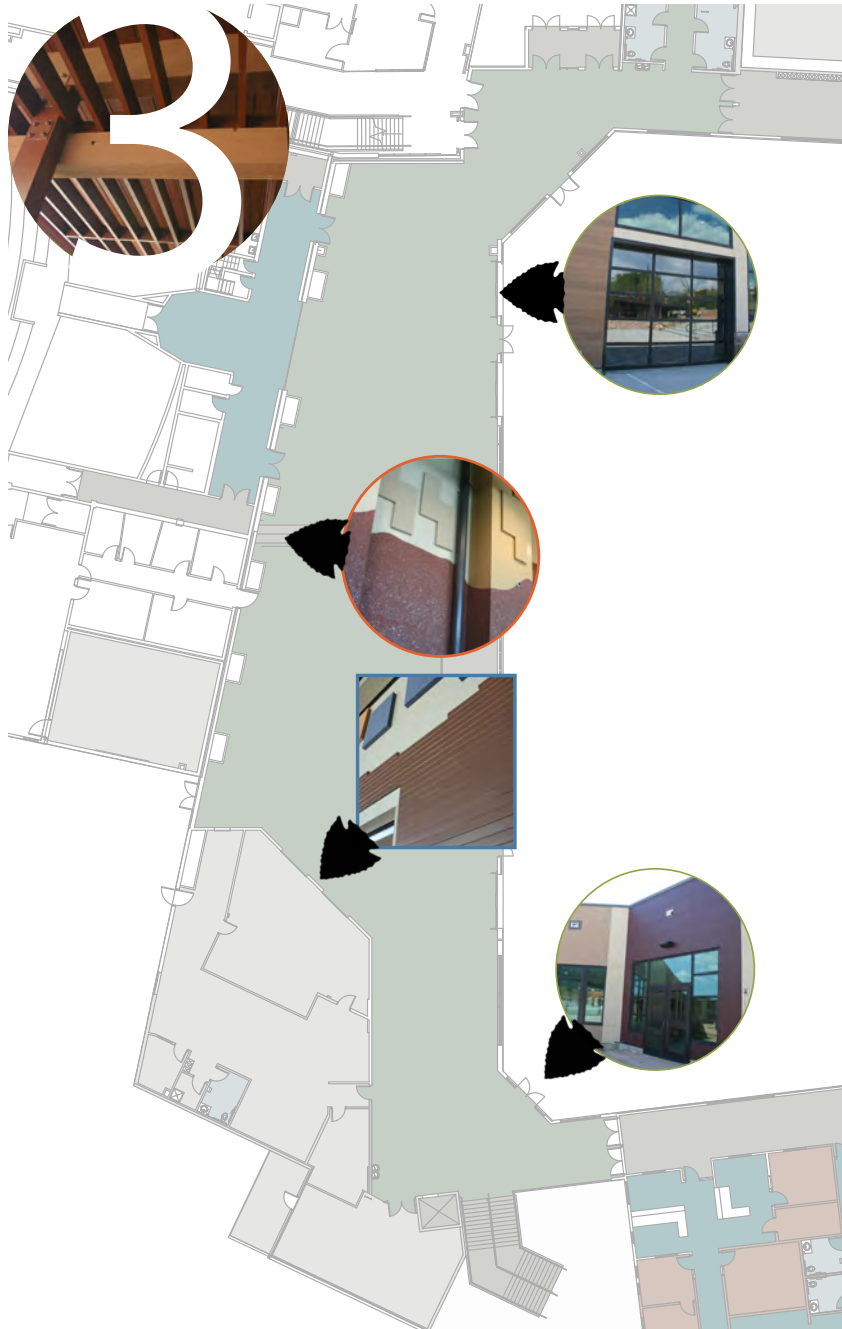
The lockers in the corridors may look new but they are actually the old lockers which have been relocated and re-finished. By doing this instead of purchasing all new ones, we saved the district nearly **\$100,000**.



You may have picked up on the unique patterning of the floor and the ceiling by now... can you guess where the design inspiration is coming from?

THE CHALLENGE





Now, see if you can spot some of these unique design features throughout the building...



60 years previous, 60 years to come

The Legacy takes on New Life

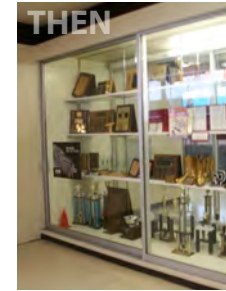
Designed and constructed to promote an atmosphere of academic excellence.



Cheyenne Mountain Senior High School
New School Open House Brochure
October 21, 1962

From 1962 to 2016, the mission remains the same. Every design decision in the project, both then and now, was made with the atmosphere of academic excellence at the forefront of priority.





SAME MOUNTAIN | NEW LOOK 15



Photos courtesy of KIVA - The Official Journal of the Cheyenne Mountain Heritage Center



1910 - Original K-12 Cheyenne School

1945 - Lloyd Shaw's high school Square Dance ensemble performing at the Broadmoor



"A noble **mountain** is a peculiarly convenient thing to be named for, because it can serve as a symbol, an inspiration, a challenge, a monument..."

Seedlet to Big Boy - An Impression of Cheyenne Mountain School
Farnsworth Crowder

A SENSE OF PLACE

Since the inception of District 12 in 1874, Cheyenne Mountain has taken pride in the rich traditions interwoven within the community. This *tradition* is tangible in many forms and can be seen throughout the native grounds on which it was built: it lives within the shadow of the Mountain for which it is named. It is reinforced by the administrative legends who influenced a culture of exceptional aspirations. It has bred an inherent respect for the mountains, streams, and mesas, but also the arts, sciences, and all worldly understanding. It lives in a legacy of nearly 150 years of advanced academic standards. Any way you look at it, one fact is undeniable – this place is unlike any other. And a unique sense of place has been actively preserved here amid generations of Cheyenne families.

Life *on the Mountain* transcends time spent in class, scholastic achievements or the extra-curricular excellence; it becomes a part of the spirit of who you are and who you become. You are instilled with an appreciation for the knowledge of the world and the knowledge of the people in it. You are given opportunities to become the greatest version of yourself. You have small moments in the day to take in the fresh mountain air and exhale a pure instant of natural connection. You learn to see from different perspectives. You become an integral part of a network - a network of dreamers, leaders, artists, athletes, scientists, inventors, each driven by a passionate spirit. You become an active influence, inspired by something greater than yourself. The Mountain, which is a symbol for the culture in which anything can be conquered with the right tools and the right state of mind. This is a place which holds mightily to its identity, in turn giving you the freedom to discover yours. A culture such as this is far more permanent than stone and mortar, and far more powerful than cranes or sledgehammers. Its strength is far greater than that of concrete or cement.

In nearly 150 years, the schools which have made up Cheyenne Mountain have run the gamut, representing different building styles, geographical locations and architectural trends. But while the look may change throughout the eras, the Mountain stays the same. As does all the Mountain represents – pride, drive, passion, exploration, and tradition. A building will always be a building. Beyond the inanimate materials, there is only one thing which turns a building's existence into everlasting meaning; a final piece needed to give it life, spirit and legacy. There is one element which allows new walls to become the same Mountain.

The people.

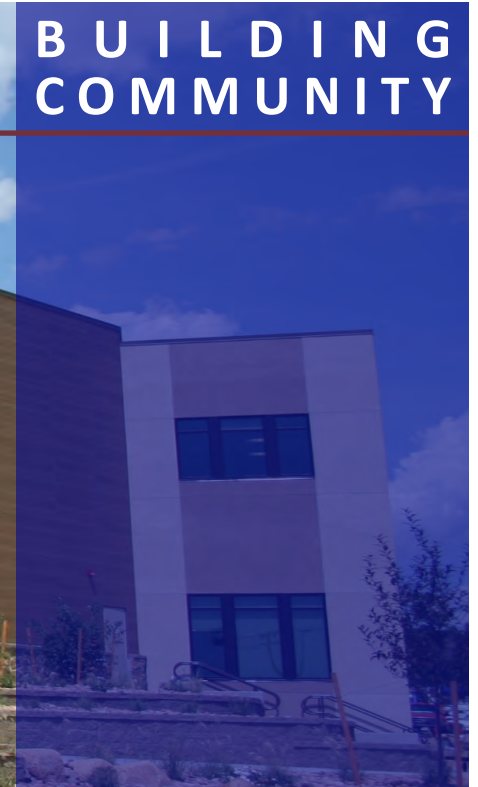
It is the people within those walls which give a structure an eternal sense of place.



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