

New 800 Student Elementary School | ***Design Development*** September 2017
Santa Fe Independent School District



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Santa Fe ISD's beloved Indians brand represents more than just a mascot. Native American tribes have influenced this area of the Gulf Coast in many ways over time.

Early settlers of this region were likely Karankawan. While other tribes, such as the Atakapa, also may have influenced the area.

Within the Karankawan culture, the Coco tribe claimed areas in the vicinity of modern-day Santa Fe. Of the Atakapa, the Akokisa Tribe also claimed areas just to the East. While their languages differed, the Coco and Akokisa tribes lived similar lives that were driven by the climate and land of the Texas Gulf Coast.

These natives were hunter-gatherers. They came together as large communities during the winter on the Coast, either in the bays or on the islands. Here, tides were low and schools of fish were easily accessible. Also, there were plenty of oyster and crab to sustain them. Dug-out canoes allowed travel throughout the waterways. In these cooler months, families lived in thatched huts called Ba-ak and slept on shell beds covered in palm leaves or hides.

In the Summer, fish were harder to catch and it was too warm for crab and oysters. Tribes moved inland in smaller groups, or Bands, to hunt for deer, bison, antelope, bear and wild hogs. These nomads were skillful at hunting with longbows. They also collected berries and nuts. They moved around, not staying in one place more than a couple of weeks. Their shelters were more temporary structures. Often, they would construct simple Wickiups or raised Chickees to sleep in. They used Lean-to structures as areas to work, whether creating clothing and making tools or preparing food and providing child care.

When other resources were needed, these tribes often traded with the Tonkawas to the North, the other Atakapa tribes to the East or the Coahuiltecan Tribes to the West. Early European explorers encountered natives of this region and were impressed by their social structure. Children were shown great affection and reverence within their cultures. This is a quality that has not left the culture of the Santa Fe Community.

Why use the Native American influence in designing the new SFISD Elementary School?

School Pride and Community History!



Inspiration: Structure of the School

We can make comparisons of Tribal cultural structure and Academic Campus structure.

Student	->	Member
Classroom	->	Family
Grade Level	->	Band
Campus	->	Tribal Village

Inspiration: The Library

Kivas have been used by many Native American cultures as place to gather their tribes for ceremonies. Kivas are used in education today to gather students outside of the classroom, often in conjunction with the library. These spaces are typically simple and make allowances for different sized groups to gather.

The concept of a central Teepee (tepee, tipi) Kiva stems from its traditional circular structure. Historically, the Teepee represents the Plains Indians nomadic lifestyle. While the Coast hugging natives of Southeast Texas probably did not commonly use a Teepee in their travels during the summer months, their neighbors to the North did. The Tonkawas were known to be friendly to the Karankawa tribes. Beyond trading each other goods, they were known to share shelters when necessary.

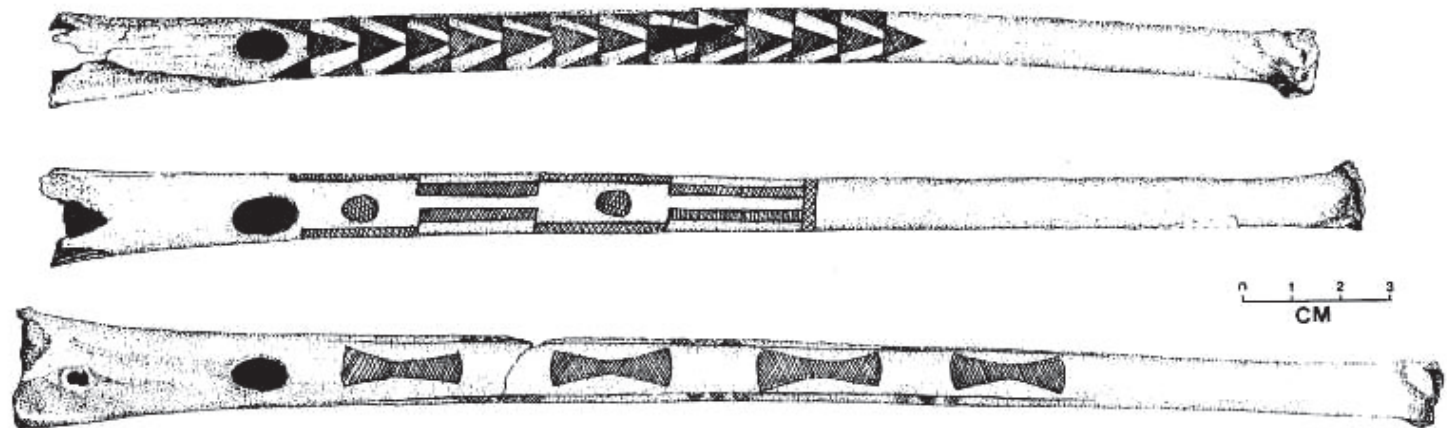
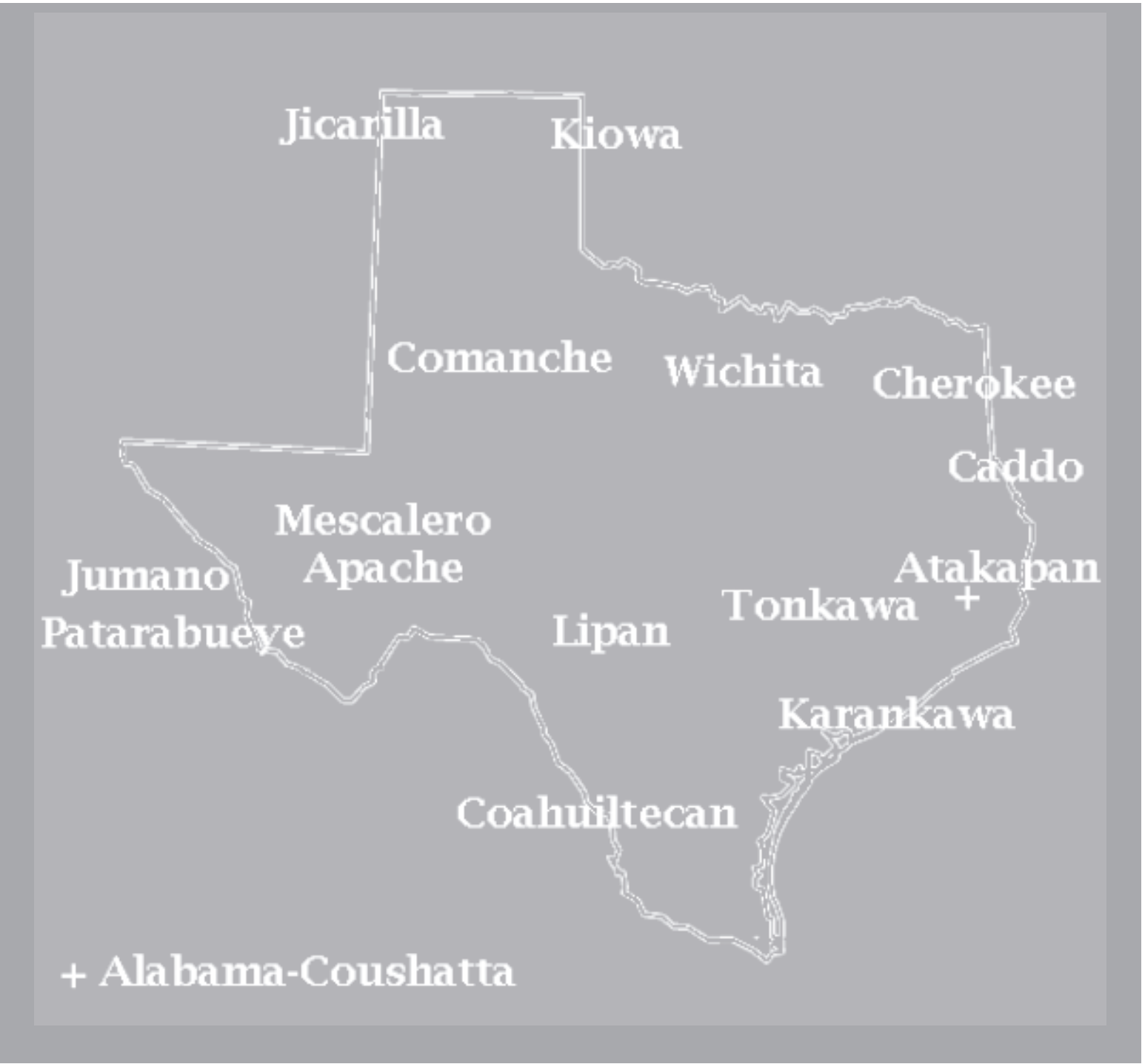
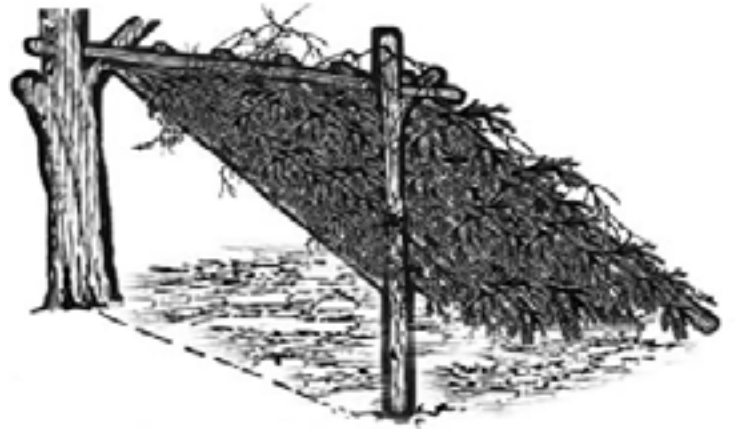
Inspiration: External Appearance

The Coco and Akokisa tribes used a Lean-to structure as a place for "work". Exterior and Interior design elements of the overall building appearance are a visual representation of the traditional Lean-to structure. Thereby reinforcing the concept of "School" as a place for "work".

Inspiration: Areas Within the Building

Understanding the structures these cultures built, we are able to further derivate as we organize campus spaces.

Classroom	->	Ba-ak/Wickiup
A place for Family Members to gather.		
Pod	->	Camp
A place for Families to gather as a Band.		
Dining/Gym	->	Council Lodge
A place for Bands to gather as a Tribe.		
Administration	->	Chief's Circle
A place for leaders to collaborate.		



site plan and views





enlarged site plan



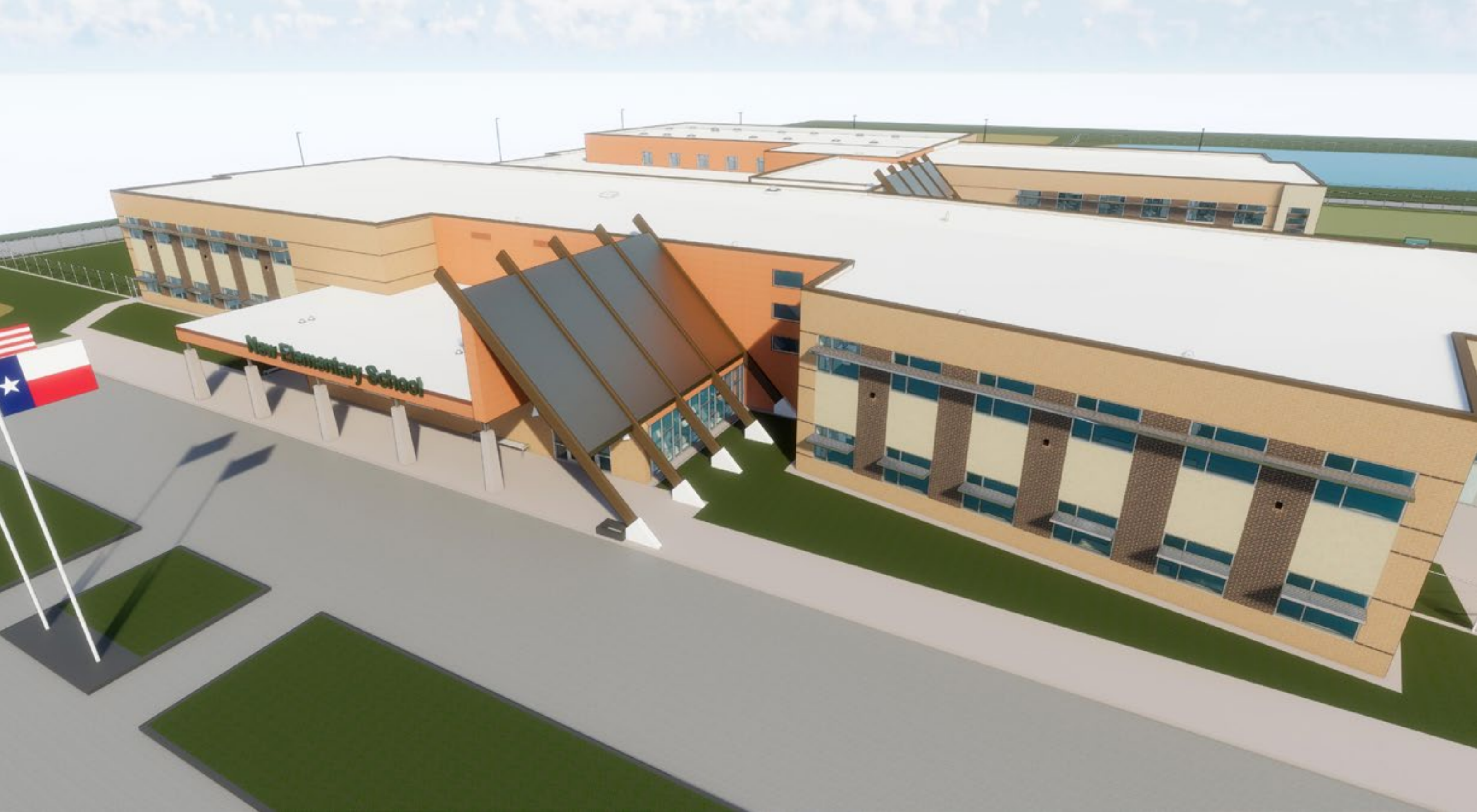
building floor plans - level 1





typical grade level configuration (5th grade shown)

3d model views



aerial view at main entry





east activity courtyard



west activity courtyard



library view



main street and library view - level 2



5th grade collaboration area view



1st grade collaboration area view



north lobby view



cafeteria view



gymnasium view



cafeteria/gym corridor view looking west

Project Schedule - New Elementary School - Santa Fe ISD

Phase	Date	
Schematic Design	April 3, 2017	thru June 19, 2017
Program Charrette Sessions	April 3, 2017	thru April 7, 2017
Program Development	April 3, 2017	thru April 7, 2017
Program Submission & District Review	April 10, 2017	thru April 14, 2017
Schematic Design Charrette	May 15, 2017	thru May 18, 2017
Schematic Design Refinement	May 22, 2017	thru June 8, 2017
SD Submission	June 9, 2017	
Board Presentation - SD	June 19, 2017	
Design Development	June 19, 2017	thru August 22, 2017
DD Review Sessions with SFISD	July 17, 2017	thru July 20, 2017
Assembly of DD Presentation	August 7, 2017	thru August 11, 2017
DD Submission	August 11, 2017	
DD - District Review	August 14, 2017	thru August 18, 2017
Board Presentation - DD	August 28, 2017	
Construction Documents	August 21, 2017	thru December 4, 2017
Construction Documents	October 18, 2017	
50% CD Review with SFISD	November 20, 2017	
95% CD Review with SFISD	November 21, 2017	thru December 4, 2017
Final Review & Coordination	December 18, 2017	
Bidding/Proposals	December 17, 2017	
First Advertisement	December 19, 2017	
Bid Documents Released to Proposers	December 24, 2017	
Second Advertisement	January 3, 2017	
Pre-Proposal Conference	January 16, 2017	
Receive Proposals	January 30, 2018	
Present Proposals to Board of Trustees	February 5, 2018	
Construction	February 19, 2018	
Notice to Proceed	February 20, 2018	thru May 30, 2019
Construction	April 20, 2019	
Substantial Completion	May 31, 2019	
Final Completion	June 1, 2019	
SFISD Move-in / Occupancy		

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Our next step:

construction! documentation!

The construction documentation phase of the project involves the development of the technical drawings, specifications and contract requirements that will be utilized by the General Contractor for the construction of the building.

- finalize building structural system, size structural members and develop structural details
- finalize MEP systems layouts and equipment selection
- detail wall construction
- finalize roof slopes and develop details
- develop details for interior finishes, casework and materials
- finalize electrical locations
- finalize reflected ceiling plans/lighting configurations and develop related details
- exterior elevation and details
- foodservice equipment selections
- detention
- landscape plan and details
- update statement of probable cost

