

KERRVILLE INDEPENDENT SCHOOL DISTRICT
NEW HAL PETERSON MIDDLE SCHOOL

MARCH 25, 2019

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SCHEMATIC DESIGN PRESENTATION



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KERRVILLE INDEPENDENT SCHOOL DISTRICT

NEW HAL PETERSON MIDDLE SCHOOL

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Wade Ivy, Superintendent of Administration & Human Resources

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Project Design Team

Jeff Rodriguez, AIA Principal, Huckabee	Daniel Luttrell, AIA, LEED AP BD+C Associate Principal, Huckabee
Mike Vermeeren, AIA, LEED AP Planning, Huckabee	Darrick Jahn, RID Director of Interior Design, Huckabee
Michael Hall, AIA Design Director, Huckabee	Javier Rosero, Assoc. AIA, NCARB Project Leader, Huckabee

Civil Engineering

Civil Engineering Consultants
San Antonio, TX

MEP Engineering

MEP Engineering, Inc.
San Antonio, TX

Structural Engineering

Alpha Consulting Engineers Inc.
San Antonio, TX

Landscape Architect

Cooper-Lochte Landscape
Architecture
San Antonio, TX

Technology/Security

Combs Consulting Group
San Antonio, TX

Foodservice

Foodservice Design Professionals
San Antonio, TX

Surveying

MDS Land Surveying Company, Inc.
Boerne, TX

Roofing & Building Envelope

Hollon + Cannon Group, LLC
Austin, TX

Acoustics & Audio/Visual

BAI
Austin, TX



KERRVILLE INDEPENDENT SCHOOL DISTRICT

NEW HAL PETERSON MIDDLE SCHOOL

Introduction

With overwhelming community support and resounding results in the November 2018 bond election, the existing Hal Peterson Middle School, with some campus buildings dating back to the 1950's, has been slated for replacement. Negotiations with Schreiner University to procure adequate land at the northwest corner of the intersection of Veteran's Highway (Texas Loop 534) and the future extension of Olympic Drive (across from Tivy High School) have been completed identifying the future home of the Spikes.

One of the goals established early in the programming and design process was the need for the building to be adaptable and flexible to support the current needs of the community and able to change over time to support future needs. While it is impossible to know what the future of instruction looks like, the campus is designed for maximum flexibility in space allocation and usage, generous collaborative and group instruction space for small, medium and large group collaboration and is rich in technology infrastructure to support expanding use of digital learning. While delivering all this, the building aesthetic still respects the Texas Hill Country and the heritage of Kerrville.

Harnessing the current direction of educational teaching environments while embracing the tried-and-true roots of Kerrville ISD, the new Hal Peterson Middle School embraces the concept of "future-proofing" the building design to allow KISD to grow into the new campus building, both in terms of student capacity and changes in teaching styles and instructional delivery. Influenced by tremendous input from community and KISD staff through various committee meetings and multiple design charrettes, the design of the new Hal Peterson Middle School leverages Huckabee's broad knowledge of the direction of educational architecture across the state and the very intimate knowledge of Kerrville ISD's instructional expectations and needs.

Bridging the gap between a traditional classroom model and spaces supporting more collaborate and "transparent" boundaries of current educational delivery styles, the design of Hal Peterson Middle School will provide all occupants with several different instructional delivery opportunities to allow staff and students to determine and employ what works best for each student.

Additionally, the new Hal Peterson Middle School is designed to support all current and potential for new activities on campus. There is a performance space and stage large enough to support band concerts and other performances without having to use an off-campus venue. With two gymnasiums, multiple competitions can be held simultaneously allowing KISD to host tournaments, local games, or after school programs such as HCYO activities. The stadium can support both field sports and track events.

Site Development

Encompassing 35 acres of gently sloped Texas Hill Country, the new Hal Peterson Middle School site has been developed to provide a welcoming and safe environment for students and the community. Placing the building as far from Loop 534 and Olympic Drive as possible to provide the most distance between the occupants and passing traffic, and to provide adequate queuing and approach drive, the campus sits approximately 20 feet higher than the frontage of Loop 534 ensuring sweeping views of the hills to the north east. With difficult terrain immediately to the north of the campus, the likelihood of future development immediately adjacent to the campus is limited with availability of much easier to develop land elsewhere.

The building orientation facing the northeast not only takes full advantage of the unencumbered views, but also places much of the glazing into light sensitive spaces (library, art labs, administration offices) along the north elevation for consistent, non-direct and low glare natural light. The building orientation also makes use of the site topography to provide outdoor learning areas, athletic venues and parking around the building. Region appropriate landscaping will complement the campus with natural indigenous grasses, trees and shrubs.

Site amenities include a synthetic turf athletic field and 8-lane track with field events, 500 seating capacity bleachers and small press box, six post-tensioned concrete tennis courts and an outdoor support building including spectator restrooms, concession stand and support. With approximately 367 identified parking spaces and another approximate 40 parallel parking along the primary student drop off lane, the campus is equipped to support large group activities since no on-street parking is permitted around the campus.

Campus access and parking is accessed via multiple drives that separate parents and visitors from staff and buses to allow for safe and expeditious flow on campus. With parent access from two points – both directly off Loop 534 and off Olympic Drive, converging the traffic to a common parent drop off at the front of the school results in multiple drop-off lane opportunities to further facilitate expedited student drop-off and pick-up. Consideration of traffic flow around the campus during both

operational and after hours use identified internal traffic control measures to further maintain maximum flexibility and safety.

Building Design

A two-story building concept with high volume spaces at large assembly areas, the new Hal Peterson Middle School arrangement has been characterized as a "boomerang" shape with main building wings hinged at the administration suite to allow maximum supervision and openness. Visual connections between the first and second floor provide even more passive supervision, view opportunities and collaboration. Connected by elevator and several stairs, including a main prominent "learning stair" acting as both vertical circulation and tiered seating to the cafeteria and stage, the building occupants have many pathways to circulate the building – all indoors.

Based on the "house" concept, the core educational spaces occupy three main houses: CTE (Career and Technology Education) / Electives, STEM (Science, Technology, Engineering and Math) and Humanities. These spaces provide the classrooms and collaboration spaces for the majority of the classrooms. Each main house also includes necessary building support to allow these wings to "function" as stand-alone spaces. Each wing has staff and student restrooms, a large staff workroom for staff collaboration, meeting space and offers additional passive supervision for those students working in the collaboration spaces. Each house is also provided with overhead coiling doors that remain open under normal school hours but can be closed to isolate and restrict access to each wing for building after hours use and in emergency situations.










Fine arts and athletics, due to their nature, are separated as their own destinations within the building. Special education is not isolated and remote, but rather integrated within the classroom areas for full inclusion of all students with life skills and their entrepreneurial coffee "SpikeBucks" service immediately off the main commons and cafeteria area to provide a full-service retail coffee bar. The library is located above the main administration suite and is open to the balcony overlooking the cafeteria and stage. The glass exterior wall of the library is protected by large overhang and outdoor reading and learning patio overlooking the hill country views to the northeast.

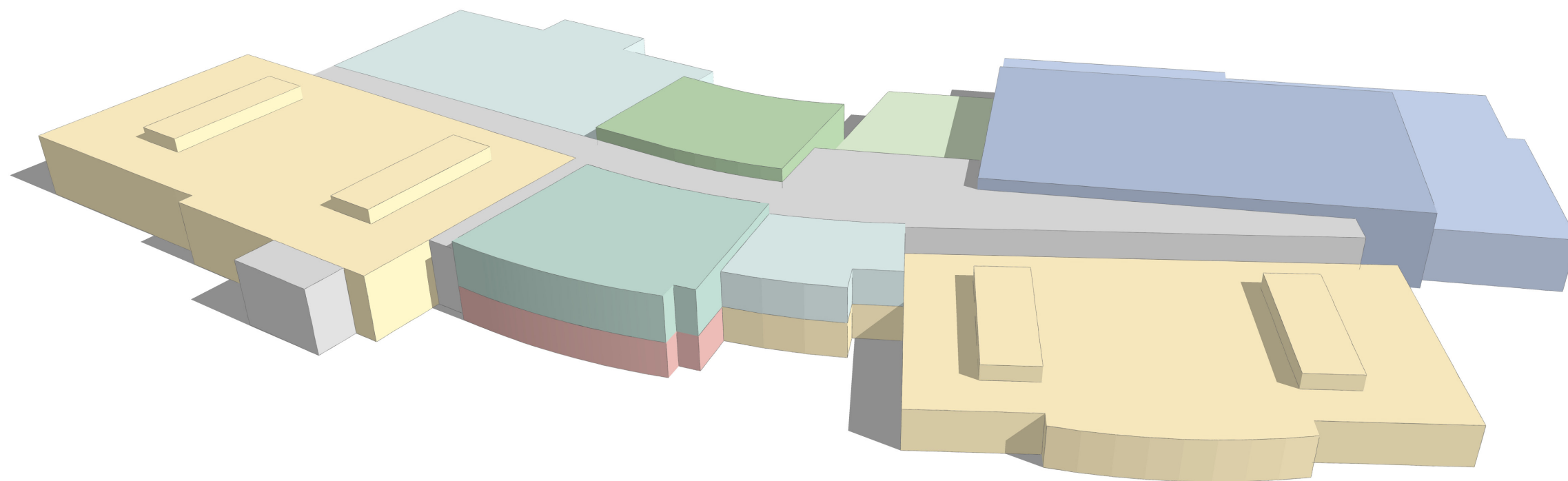
The building design combines the design elements of traditional classroom teaching where each teacher has their own classroom and students move in and out throughout the educational day. Physical walls bound these classrooms clearly identifying the space. Other classrooms are identified by movable walls allowing a series of adjacent single classrooms, or by moving a wall, combining two classrooms into one larger classroom for "team teaching" or by moving more partition walls to create large group instruction and collaboration.

New Hal Peterson Middle School			
New Middle School	Program		
Category	# of spaces	Area per space (S.F.)	Net Area (S.F.)
ACADEMIC SPACE			
CLASSROOMS	31	728	22,568
SCIENCE LABS	9	1,200	10,800
MATH LABS	7	728	5,096
COMPUTER CLASSROOM	3	728	2,184
SPECIAL EDUCATION RESOURCE CR	3	400	1,200
READING SPECIALIST	2	400	800
LIFE SKILLS & KITCHENETTE	2	800	1,600
LIFE SKILLS MOTOR LAB	1	700	700
BEHAVIOR UNIT ROOM	1	900	900
LIFE SKILLS KITCHEN & SERVING	1	200	200
ACADEMIC SUPPORT			
GRADE RESTROOMS	6	240	1,440
SCIENCE PREP ROOMS	3	200	600
SCIENCE STORAGE	2	80	160
WORKROOM	3	500	1,500
BOOKROOM	3	200	600
HOUSE STORAGE	3	200	600
LIFE SKILLS RESTROOM	1	120	120
LIFE SKILLS STORAGE & LAUNDRY	1	100	100
ADMINISTRATION			
MAIN RECEPTION	1	400	400
CONFERENCE ROOM	1	360	360
PRINCIPAL OFFICE	1	200	200
ASST. PRINCIPAL OFFICE	4	180	720
COUNSELOR RECEPTION	1	150	150
COUNSELOR'S OFFICE	4	180	720
ARD CONFERENCE ROOM	1	150	150
ARD/DIAGNOSTICIAN OFFICE	1	180	180
LSSP	1	150	150
ADMIN. WORKROOM	1	1,000	1,000
ISS	1	400	400
PTO	1	200	200
SRO	1	120	120
CLINIC/WAITING	1	260	260
CLINIC OFFICE	1	120	120

ADMINISTRATION SUPPORT			
CENTRAL STORAGE	1	90	90
ADMIN STORAGE	1	80	80
TEST STORAGE	1	80	80
TEACHER TOILET	2	50	100
VISITOR TOILET	1	50	50
CLINIC TOILET	1	90	90
CLINIC STORAGE	1	60	60
ATHLETIC SPACE			
GYM - COMPETITION	1	10,000	10,000
GYM - AUXILIARY	1	6,600	6,600
CONCESSIONS	1	200	200
WEIGHT ROOM	1	2,200	2,200
COACH OFFICES	2	600	1,200
COACH CONFERENCE	1	200	200
LOCKERS	6		9,200
CLASSROOM	1	728	728
ATHLETIC SUPPORT			
ATHLETIC TOILET/SHOWERS	2	800	1,600
ATHLETIC LAUNDRY	1	280	280
ATHLETIC STORAGE	5	400	2,000
DINING			
CAFETORIUM	1	6,000	6,000
STAGE	1	1,400	1,400
DINING SUPPORT			
CHAIR STORAGE	1	400	400
KITCHEN	1	4,000	4,000
CAFETERIA RESTROOMS	2	300	600

FINE ARTS			
BAND REHEARSAL HALL	1	2,500	2,500
CHOIR REHEARSAL HALL	1	1,000	1,000
ORCHESTRA REHEARSAL HALL	1	1,400	1,400
MULTIPURPOSE REHEARSAL HALL	2	400	800
PRACTICE ROOMS	10		760
BAND OFFICE	1	180	180
CHOIR OFFICE	1	180	180
ORCHESTRA OFFICE	1	180	180
PERCUSSION ENSEMBLE	1	720	720
MUSIC LIBRARY	1	200	200
ART LABS	2	1,000	2,000
KILN	1	80	80
THEATER CLASSROOM/BLACK BOX	1	1,500	1,500
FINE ARTS SUPPORT			
BAND INSTRUMENT STORAGE	1	600	600
CHOIR STORAGE	1	150	150
ORCHESTRA INSTRUMENT STORAGE	1	700	700
ART STORAGE	1	100	100
THEATER ARTS STORAGE	2	180	360
LIBRARY			
LEARNING COMMONS/MEDIA CTR	1	4,400	4,400
CONFERENCE ROOM	1	350	350
OFFICE	1	200	200
MAKER SPACE	1	728	728
LIBRARY SUPPORT			
AV EQUIPMENT STORAGE	1	150	150
TOTAL PROGRAM AREA			181,438

COLOR LEGEND	
	Academic Space
	Administration
	Athletic Space
	Athletic Support
	Circulation
	Dining
	Dining Support (Kitchen)
	Fine Arts
	Library



LEGEND

SITE

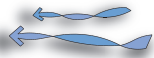


BUILDINGS

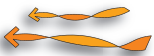


ENTRY

WIND



WINTER WINDS

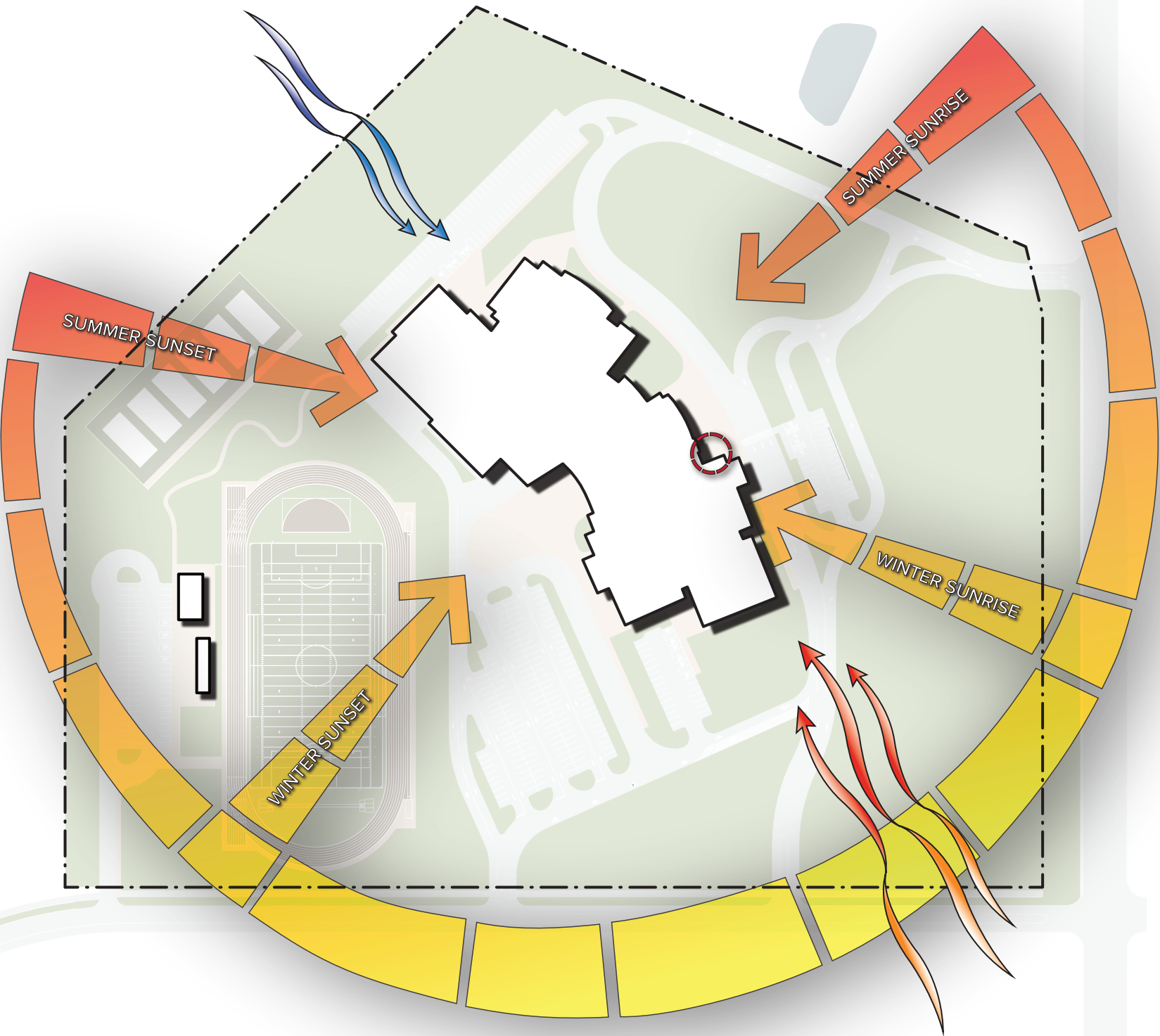


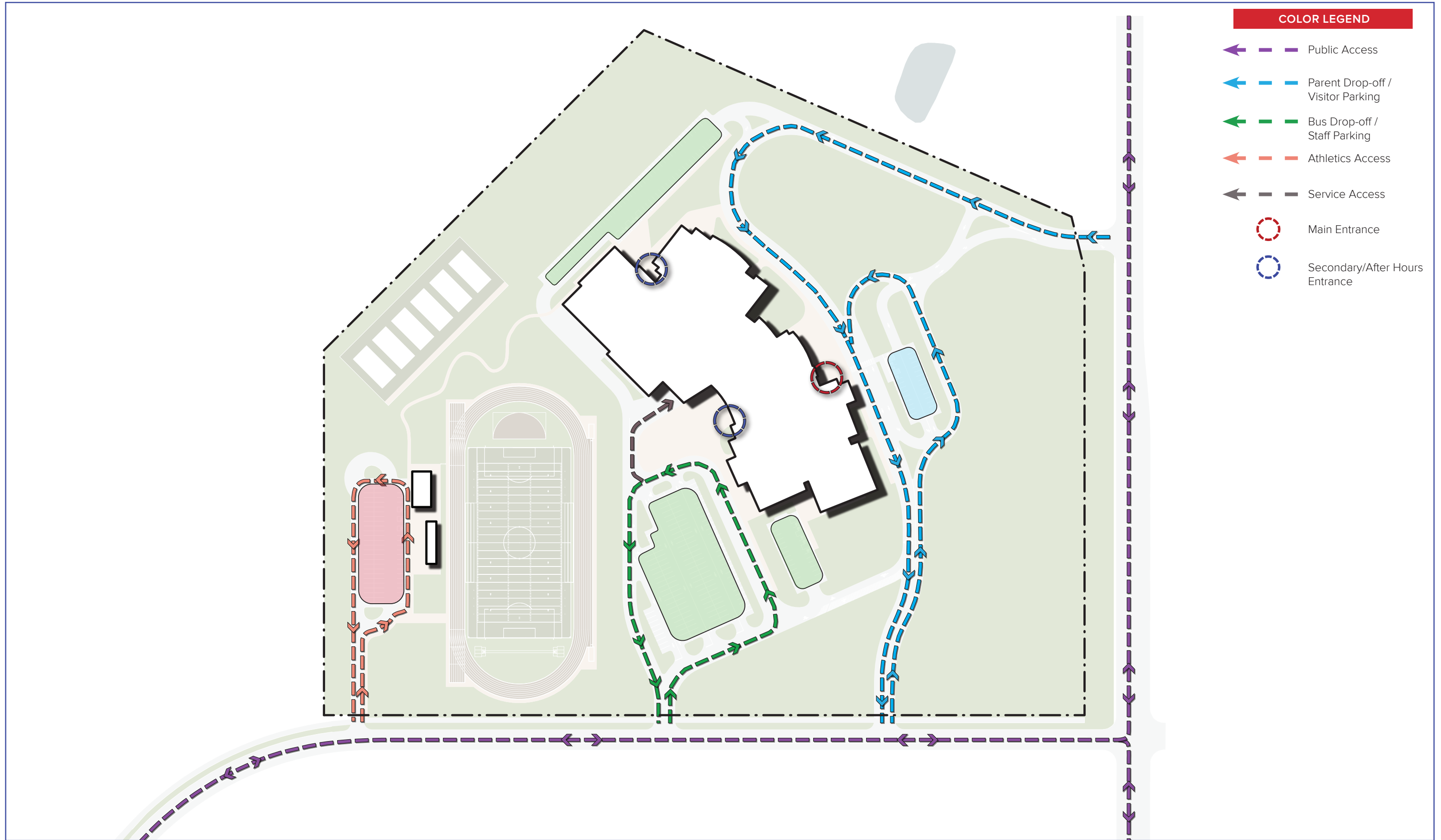
SUMMER WINDS

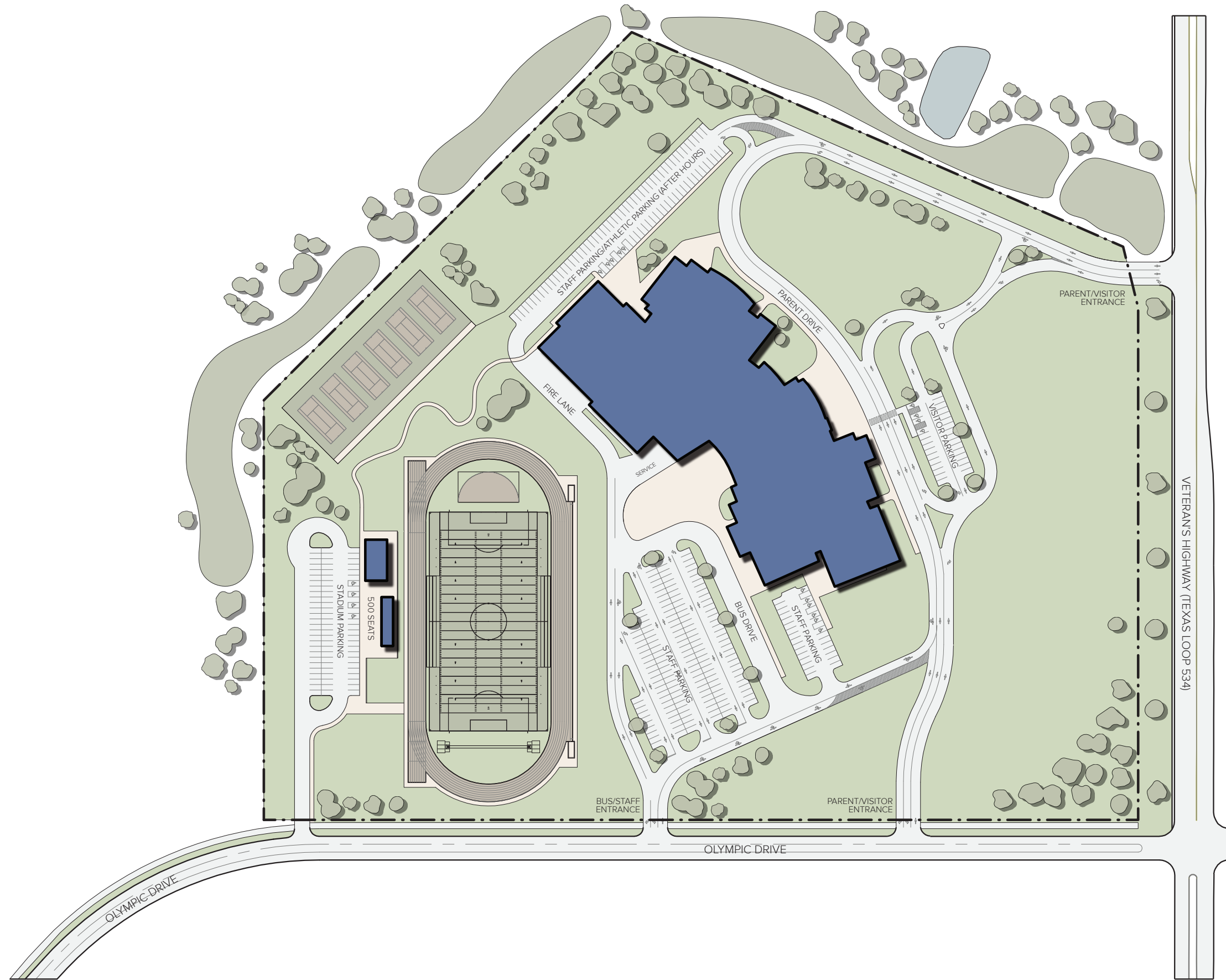
SUN



SUN PATH









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PRECEDENT IMAGES 6.1



MAIN ENTRANCE AND LIBRARY PATIO

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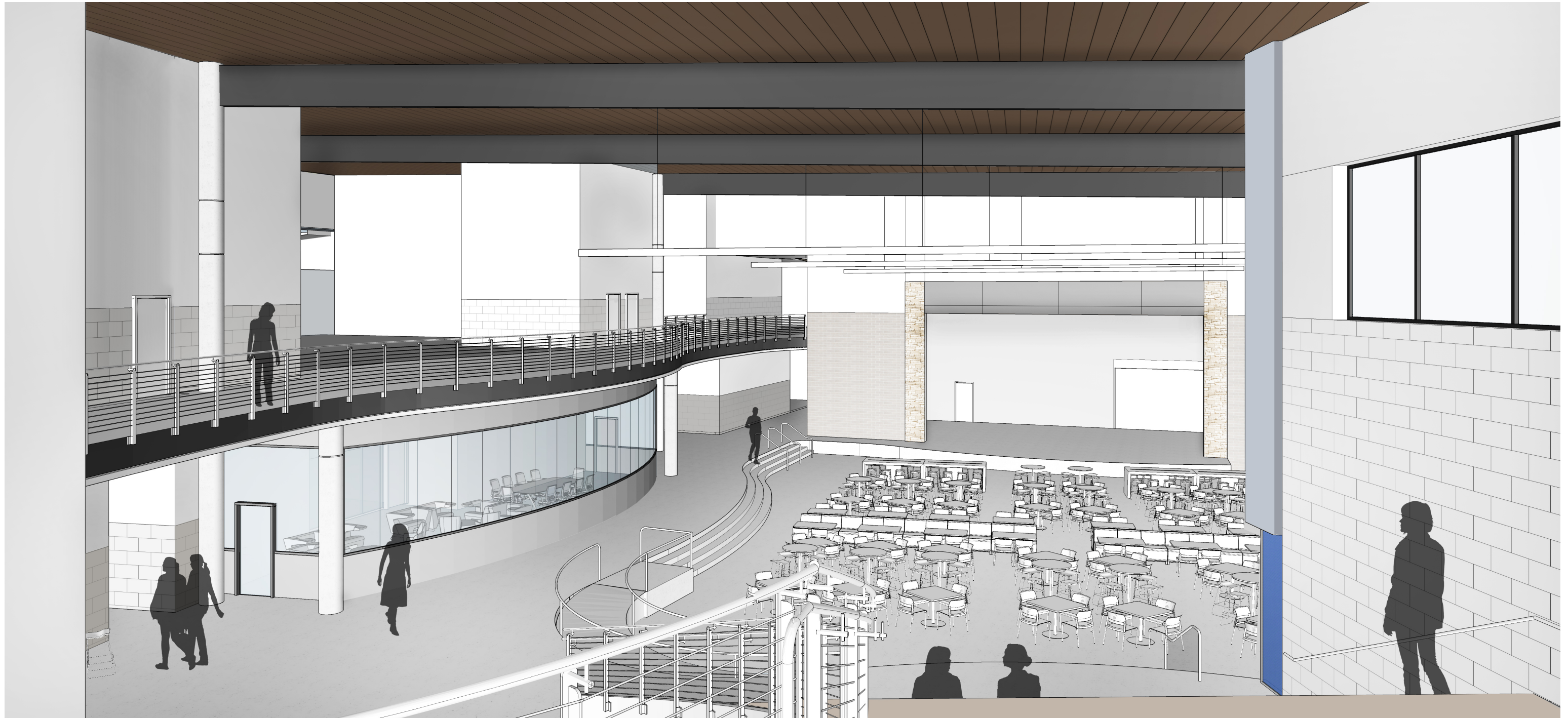


CAFETERIA AND BUS DROP OFF

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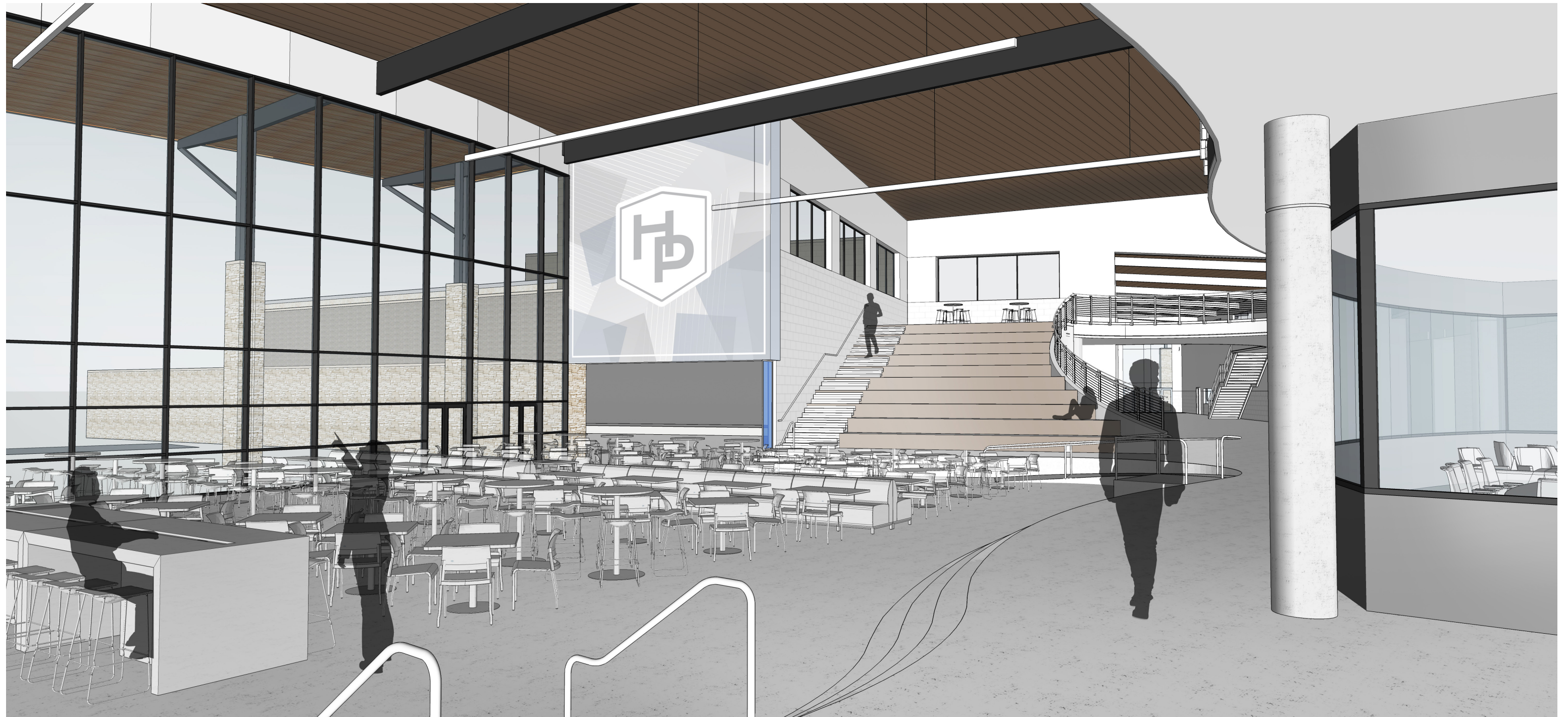


COMMONS AREA FROM THE LEARNING STAIR

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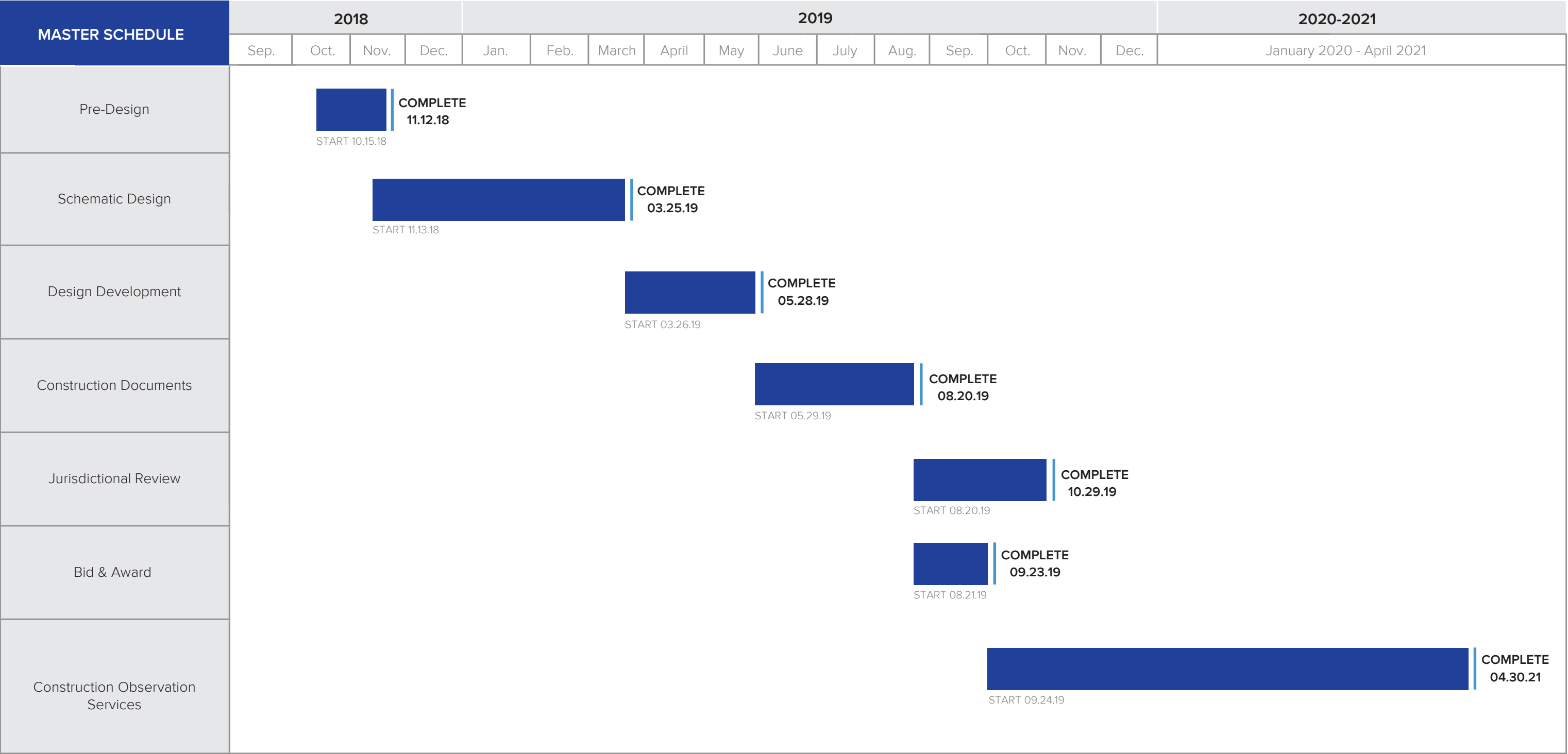
COMMONS AREA

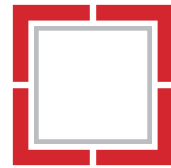
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INTERIOR VIGNETTE 7.2





MORE THAN ARCHITECTS