



MARBLE FALLS ISD

LONG RANGE PLAN

DRAFT

Huckabee
MORE THAN ARCHITECTS



MORE THAN ARCHITECTS

DRAFT

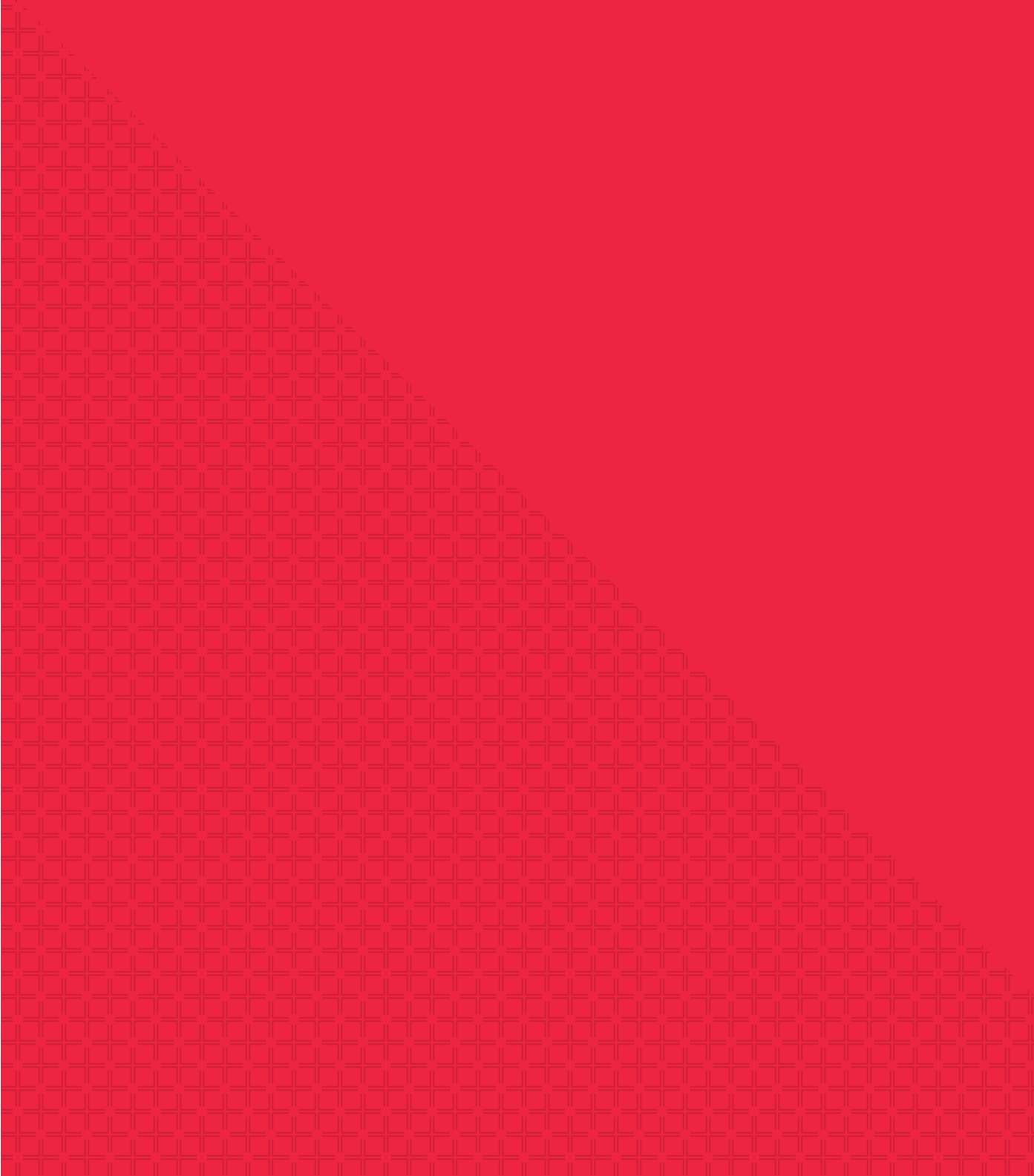


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EXECUTIVE SUMMARY





In November of 2017 Marble Falls ISD selected Huckabee to provide Long Range Planning, Master Planning and Community Engagement services. Having received a Facilities Condition Assessment in February that same year and a demographics update in July of 2016, the District was seeking professional services to marry the information provided by both reports, analyze the facility needs reflected in each, and assist in conveying those needs to the greater community.

Huckabee and Marble Falls ISD began meetings for this effort in January, 2018. The District conveyed early on that in addition to the aging needs of the facilities and the growth needs found in future enrollments, there was also an evolving need to provide 21st century learning environments within existing schools. In February Huckabee began conducting walk-throughs of each school with the goals of validating the facility assessment, verifying how rooms are currently being utilized, measuring spaces to compare them with TEA standards, and observing the manner in which education was being delivered.

AGING NEEDS

Aging needs reflected in the Facilities Condition Assessment were found to be accurate with very few additions needing to be made. The assessment provided a clear understanding of where the most urgent needs are currently located, identified future projected needs, and provided estimated costs for each deficiency through the year 2031. Deficiencies were grouped and analyzed in several ways including by system (electrical, interior finishes, fire protection, etc.), location, cost and quantity. As part of the planning process, MFISD chose to partition off the items in the report that were identified as needed within 5 years as the most immediate needs. (Excerpts from the original 2017 assessment are provided in the appendix of this report.)

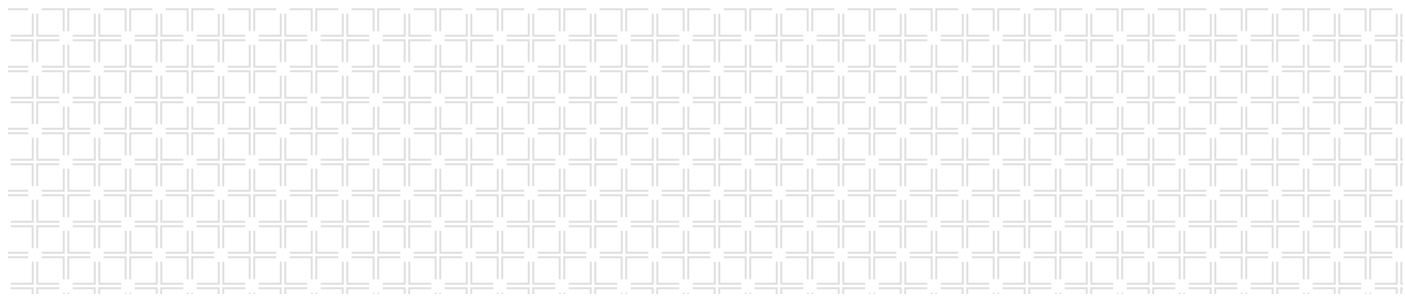
GROWTH NEEDS

Growth needs were determined by comparing the projected enrollments of the Demographics Report to each campus's Functional Capacity. To determine these capacities, Huckabee first met with the principals at each campus to review current campus maps and identify which rooms are

2018 Long Range Plan		DRAFT	
Aging Needs		Marble Falls Independent School District	
Marble Falls ISD - Aging Needs Update			
*Costs shown represent 2031 needs as projected from the 2016/2017 Facilities Assessment			
**Costs are shown as 2016 dollars, non-inflated			
Cost	Electrical	HVAC	Roofing
Equip. & Furnish.	Int. Construction	Site	Site
Ext. Enclosure	Int. Finishes	Plumbing	Integrat.
Fire Protection	Plumbing		
Highland Lakes ES	\$ 3,156,815	\$ 23,459	\$ -
Electrical	\$ 291,199	Int. Construction	\$ 12,960
Equip. & Furnish.	\$ 27,887	Int. Finishes	\$ 282,252
Ext. Enclosure	\$ 73,300	Int. Finishes	\$ 88,143
Fire Protection	\$ 10,060	Plumbing	\$ -
Marble Falls ES	\$ 6,806,580	\$ 1,077,246	\$ 480,144
Electrical	\$ 669,869	Int. Construction	\$ 139,710
Equip. & Furnish.	\$ 600,000	Int. Finishes	\$ 1,321,950
Ext. Enclosure	\$ 427,128	Int. Finishes	\$ 644,895
Fire Protection	\$ 156,069	Plumbing	\$ -
Spicewood ES	\$ 2,217,112	\$ 1,131,561	\$ 327,051
Electrical	\$ -	Int. Construction	\$ 1,074,203
Equip. & Furnish.	\$ -	Int. Finishes	\$ -
Ext. Enclosure	\$ -	Plumbing	\$ 3,075
Fire Protection	\$ 41,522		
Marble Falls MS	\$ 1,143,430	\$ 2,488,549	\$ 236,296
Electrical	\$ 530,224	Int. Construction	\$ 313,008
Equip. & Furnish.	\$ 117,286	Int. Finishes	\$ 1,165,189
Ext. Enclosure	\$ 217,296	Int. Finishes	\$ 87,478
Fire Protection	\$ 207,980	Plumbing	\$ -
Marble Falls HS	\$ 14,676,880	\$ 4,694,288	\$ 113,056
Electrical	\$ 1,711,501	Int. Construction	\$ 486,346
Equip. & Furnish.	\$ 334,754	Int. Finishes	\$ 2,332,311
Ext. Enclosure	\$ 1,231,380	Int. Finishes	\$ 687,482
Fire Protection	\$ 184,412	Plumbing	\$ -
Falls Creek HS	\$ 616,856	\$ 264,546	\$ 20,150
Electrical	\$ -	Int. Construction	\$ 19,440
Equip. & Furnish.	\$ 179,280	Int. Finishes	\$ 120,860
Ext. Enclosure	\$ 12,600	Plumbing	\$ -
Fire Protection	\$ -		
Transportation Bldg	\$ 1,619,728	\$ 24,000	\$ 44,916
Electrical	\$ 96,600	Int. Construction	\$ 20,520
Equip. & Furnish.	\$ 300,000	Int. Finishes	\$ 21,552
Ext. Enclosure	\$ 63,648	Plumbing	\$ 44,112
Fire Protection	\$ 82,944		

Aging Needs Cost Update

being used as regularly scheduled classes, which are being used for pull-out classes and which rooms have been re-purposed for teacher or administration use. Student capacities were then assigned to each room according to TEA's minimum square foot per student requirement and totaled to generate a Maximum Capacity for each campus. These "Max" Capacities were then used to generate two more practical figures using utilization rates that allow for real-world scheduling. The Functional Capacity represents how many students a school can accommodate according to industry standards. The Program Capacity represents the number of students that can be accommodated based on the Principal's current master schedule.





Committee meeting

The Education specifications are ultimately required by TEA should any new school be built. However, they are developed early during the long-range planning process to identify the scope and cost of products in order to properly prepare the District for future endeavors.

FACILITIES PLANNING COMMITTEE

Having developed a comprehensive list of needs across the district, Huckabee and Marble Falls ISD worked together to form a Facilities Planning Committee comprised of voluntary community members and district staff. The purpose of the committee was to allow the community, the tax payers that support the daily operations and fund new construction, an opportunity to help lead the District in shaping its future.

The committee met over the course of seven meetings scheduled approximately every other week from April to July. The committee was chaired by two individuals who led the presentations. Each meeting focused on different subjects such as school financing, facilities conditions, campus capacities and 21st century learning. Several meetings were held at the Middle School and High School, and tours of elementary schools were also scheduled for subcommittees to gain a first hand understanding of current conditions. Observations of those tours were then

shared with the whole group at the following meeting. As the needs were conveyed and discussed among the members, Huckabee began to develop a list of potential projects to address each need. Conceptual sketches and plans were also provided. Once developed, the committee was asked to prioritize the list based on urgency, impact to students, impact to the community, value, and equity. Time and cost were initially removed from consideration in order to provide a magnitude based solely on need. After this first prioritization exercise, costs were eventually provided and the group was given the opportunity to re-prioritize if they felt the dollar amount for a project affected its level of importance.

Having considered the urgency of these needs as well as community growth, future enrollment projections, and the current bonding capacity of the District, the committee determined it would be in the best interest of the District to recommend a bond be called for the upcoming November 2018 elections. The prioritized list of projects was referenced to determine which should be included in the bond and which should be designated for reconsideration in the future. The resulting two lists, 2018 Bond Projects and Future Projects, as well as supporting master plans are thus included in the 2019 Long Range Plan for Marble Falls ISD.

2019 LONG RANGE PLANNING COMMITTEE

With the passing of the November 2018 bond and design for various projects already underway, Marble Falls ISD asked Huckabee to engage with a new Long Range Planning committee that would establish criteria for addressing some of the previously identified future projects. The committee was charged with developing recommendations for the board regarding:

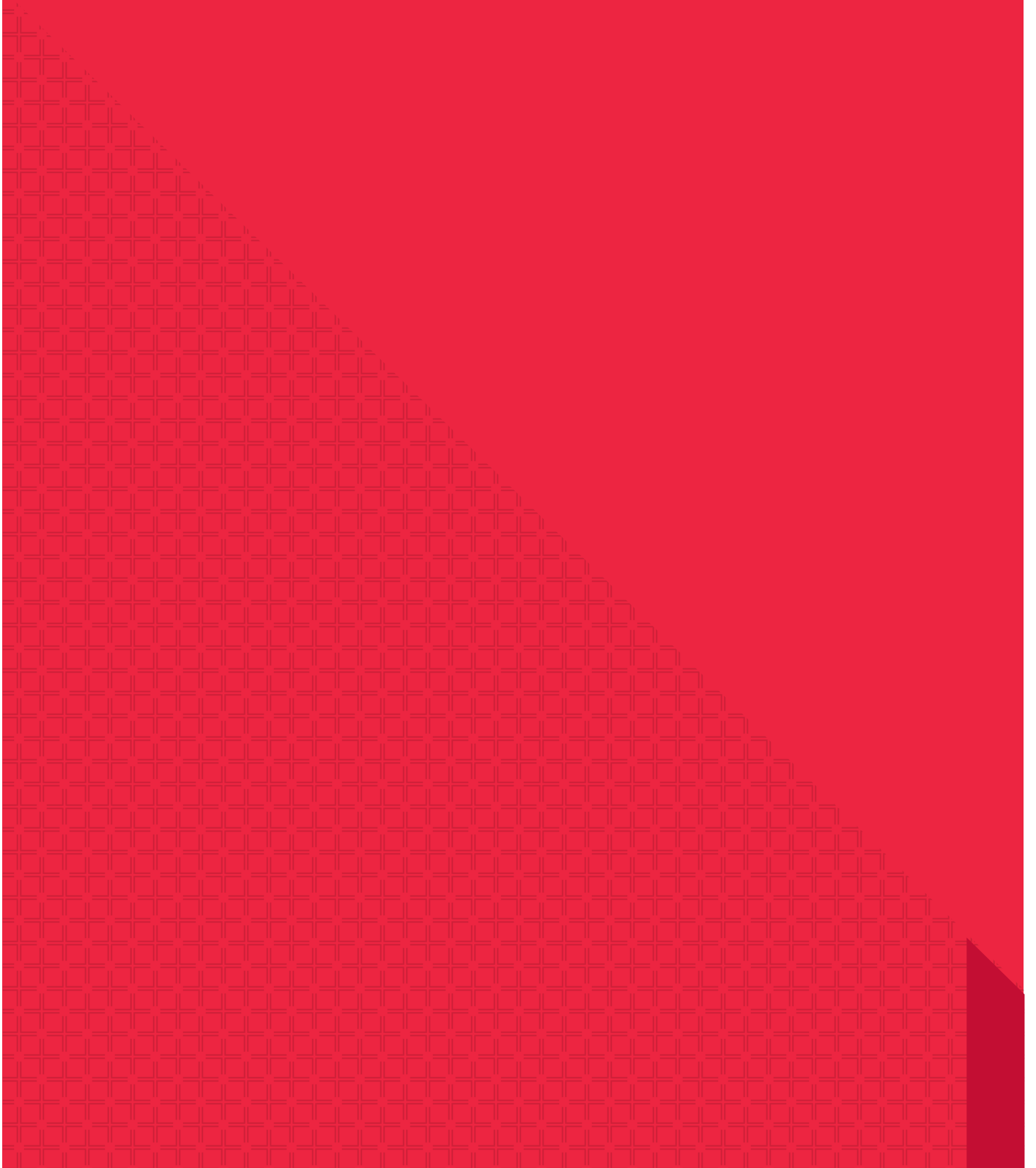
- + The size of existing and future elementary schools
- + Trigger points to start planning for new projects
- + Direction on developer interest in new elementary schools
- + Direction on educational programs and master plans at the middle school and high school

Over the course of four meetings from April 4th to May 2nd, 2019 the committee discussed demographic projections, community values as they relate to school size, options for addressing capacity issues in elementary schools, and future program development at the Middle School and High School. Included in each of the first three meetings was a presentation by different residential developers that had expressed interest in working with the district to locate a new elementary school within upcoming developments.

In conjunction with the 2018 Bond Projects list, Future Projects list and Master Plans, the Recommendations included in the long range plan reflect the committee's understanding of the various conditions the district will be facing in the foreseeable future and their best judgment for the most appropriate, proactive courses of action.



LONG RANGE PLAN





MARBLE FALLS 2019 LONG RANGE PLAN

- + 2018 Bond Projects
- + Future Projects
- + Master Plans
- + Recommendations

The Long Range plan for Marble Falls consists of the 2018 Recommended Bond Projects, Future Projects, Master Plans and Long Range Planning Committee Recommendations. Projects from both lists were generated as a response to the aging, growth or evolving needs indicated by the Facilities Condition Assessment, Capacity Analysis, and Educational Adequacy Report, and prioritized by the 2018 Marble Falls ISD Facilities Planning Committee.



Projects of highest priority were selected for recommendation to the Marble Falls School Board of Trustees on July 17 to be included in a November 2018 bond election. All other projects have been reserved for consideration in future bond campaigns. Though no specific year was assigned for any future anticipated bonds, a Long Range Planning Committee was convened in 2019 to provide recommendations for criteria that would trigger planning efforts for future improvements.



Both the facilities planning committee and the long range planning committee also recognized that for some time Marble Falls and surrounding communities have been anticipated to experience growth in the “near future”. While this growth has not come to fruition as previous demographic reports had indicated, it does still appear inevitable. Thus, the overarching sentiment behind the 2018 Bond Projects was to upgrade existing schools now before there is a requirement to concentrate bonding capacity solely on new facilities; the purpose of the recommendations is to provide criteria that will guide the district toward proactive responses to future needs.

LONG RANGE PLAN / 2018 BOND PROJECTS

Marble Falls ISD Project List		
Project	Project Budget	Comments
All Campuses	\$ 21,612,689	
Assessment items - no HVAC	\$ 8,270,593	
Assessment items - HVAC	\$ 9,466,449	removed soft costs per MFISD
Safety Improvements	\$ 863,597	
Improve vehicular circulation and parking	\$ 2,713,113	deleted SES, CES - MFHS seal/stripe only
More counseling/mental health space	\$ 298,938	
Marble Falls HS	\$ 15,223,634	
Replace artificial turf	\$ 934,959	
Resurface track	\$ 678,711	
New Addition at Front (Admin/hallways/collab/fine arts)	\$ 9,756,991	preferred option
Cafeteria/Commons Addition	\$ 3,321,529	
Girls Lockers at Max Copeland Gym	\$ 531,445	(2) 800sf locker rooms, no showers/RRs
Marble Falls MS	\$ 2,260,296	
Restroom improvements	\$ 539,140	
Improve/Expand Cafeteria	\$ 1,343,709	
Renovate existing Band Hall	\$ 377,446	
Marble Falls ES	\$ 1,635,624	all projects
Renovate D Wing - finishes only	\$ 1,635,624	Option 1
Highland Lakes ES	\$ 2,732,712	all projects
Addition to infill between main building and 600 wing	\$ 1,698,509	
Renovate/Expand Administration	\$ 1,034,203	
Other	\$ 11,535,044	
Renovate "Pink Building" for additional functional capacity	\$ 3,775,654	
New Transportation Building	\$ 996,459	3,300sf or less per MFISD
Buses & Technology	\$ 6,762,931	per MFISD
BOND TOTAL	\$ 55,000,000	

LONG RANGE PLAN / FUTURE PROJECTS

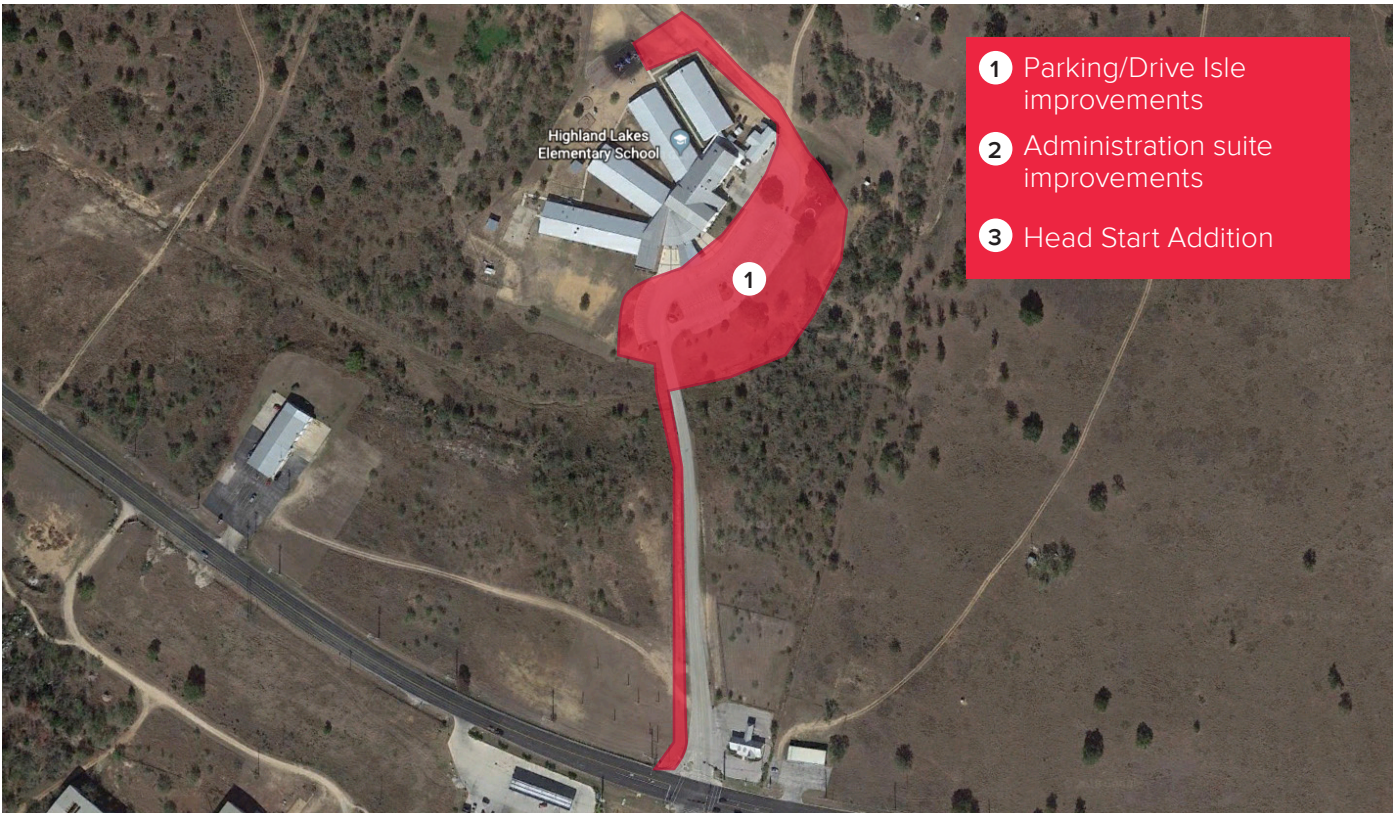


Marble Falls ISD Project List		
Project	Project Budget	Comments
All Campuses	\$ 25,450,459	
Replace fluorescent lighting with LED	\$ 10,101,921	
Create outdoor play area/field (all elementaries) - Grass	\$ 1,121,951	
Create outdoor play area/field (all elementaries) - Turf	\$ 1,994,579	
Flexible/Student oriented furniture/equipment	\$ 7,876,577	
Furniture/Equipment in Collaboration spaces	\$ 181,174	
Improve educational technology	\$ 1,366,054	
Create Teacher Design Labs	\$ 2,808,202	
Marble Falls HS	\$ 12,417,988	
CTE Wing Addition	\$ 3,736,720	
Kitchen/Locker Room Addition	\$ 7,246,972	
Courtyard Improvements	\$ 1,434,297	
Marble Falls MS	\$ 9,098,514	
Weight room AC and restrooms	\$ 413,783	
Auditorium for entire student body (900 seats)	\$ 8,684,731	
Marble Falls ES	\$ 1,630,569	
Building addition to increase functional capacity to 650	\$ 1,630,569	
Colt ES	\$ 449,916	
Renovate/Improve the "Fish Bowl"	\$ 19,627	
Renovate/Improve the Library and adjacent Computer Lab	\$ 430,289	
Highland Lakes ES	\$ 49,864	
Cubbies in classrooms	\$ 49,864	
Spicewood ES	\$ 22,647	
Reconfigure entry foyer to create learning space	\$ 22,647	
Building addition to increase functional capacity to 650	\$ -	
Other	\$ 49,068,038	
New Intermediate School (700 students, grades 5-6)	\$ 49,068,038	
BOND TOTAL	\$ 98,187,996	Future estimates to be escalated from 2018

2018 BOND MASTER PLANS

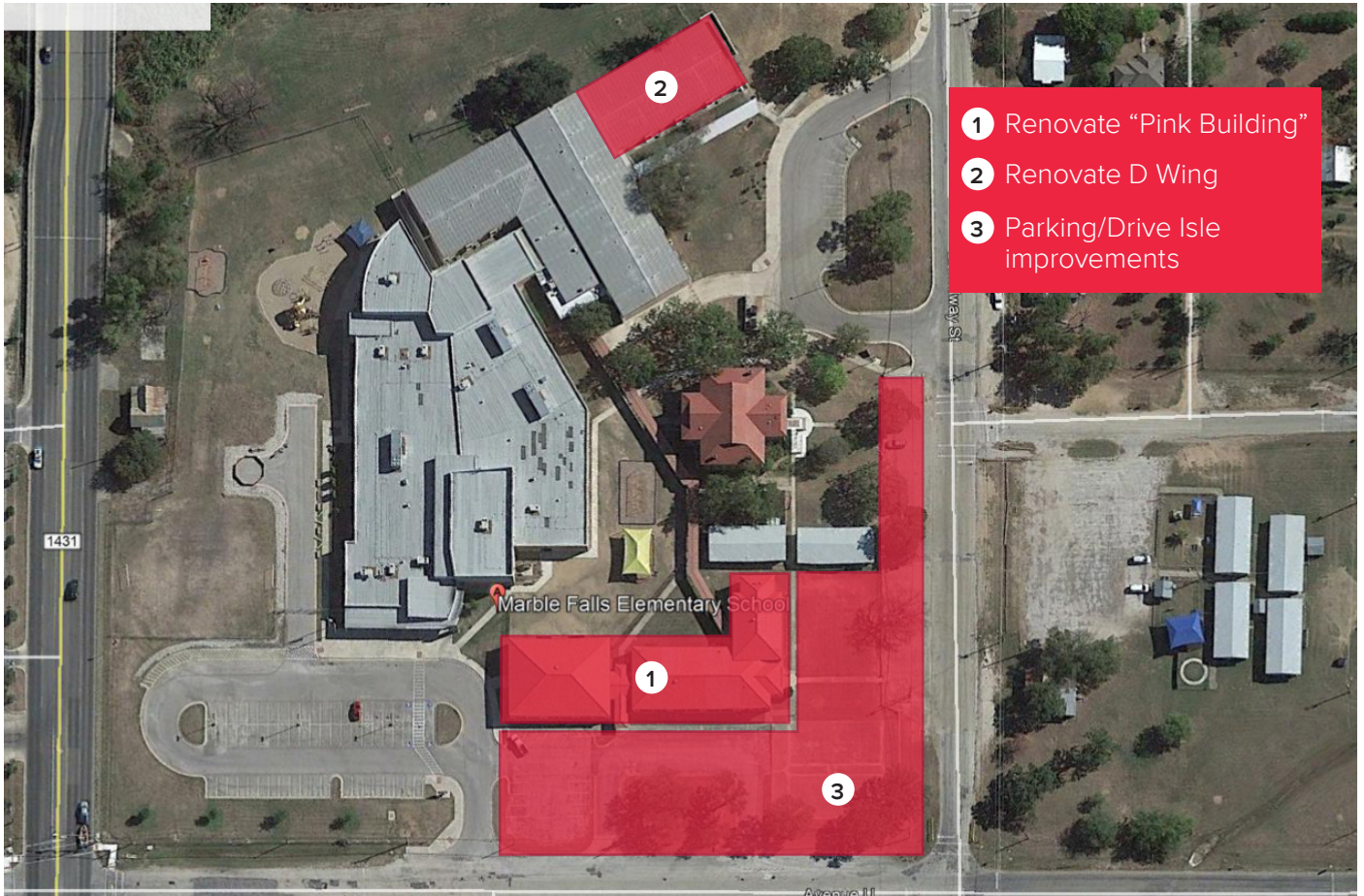


Colt Elementary School



Highland Lakes Elementary School

2018 BOND MASTER PLANS



Marble Falls Elementary School



Spicewood Springs Elementary School

2018 BOND MASTER PLANS

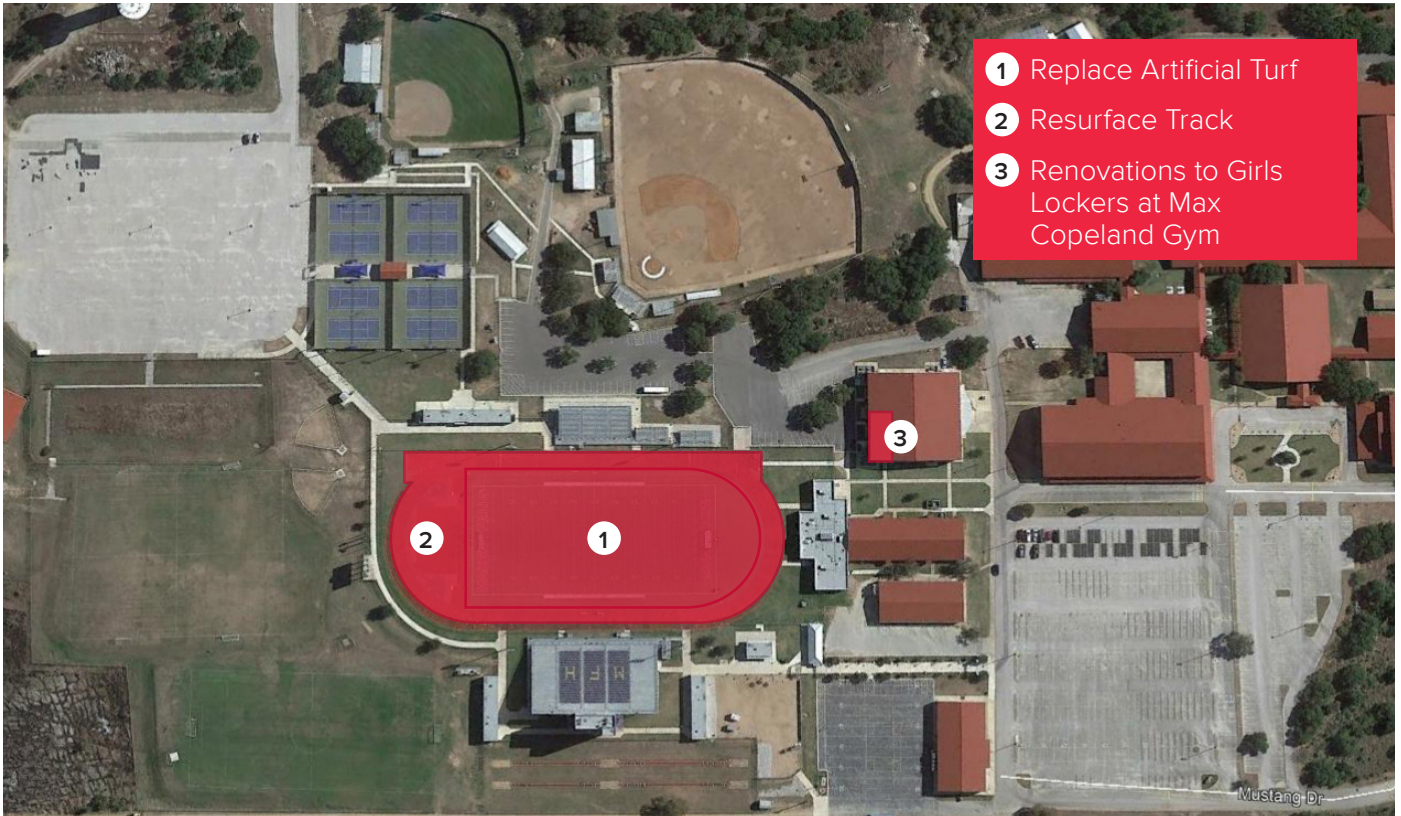


Marble Falls Middle School



Marble Falls High School (Academic Buildings)

2018 BOND MASTER PLANS



Marble Falls High School (Athletics Building)



Falls Career High School And Administration + Transportation Building

MASTER PLANS | CAMPUS BUILD-OUTS

MIDDLE SCHOOL + HIGH SCHOOL MASTER PLANS

One goal of the Long Range Planning committee was to review, comment and approve future developments for the Middle School and High School. Dr. Allen began this conversation with a brief summary of the programs currently offered at both campuses and summarized in the following lists:

HIGH SCHOOL PROGRAMS: GENERAL EDUCATION

<p>English</p> <ul style="list-style-type: none"> + Ap English + English 1-4 + Language AQ + US Topic <p>Math</p> <ul style="list-style-type: none"> + Algebra 1 & 2 + AP Calculus + CP Math + Geometry + Math Models w/ Applications + Pre-Calculus 	<p>Science</p> <ul style="list-style-type: none"> + AP Chemistry + Biology + Chemistry + Environmental Science + Forensic Science + Integrated Physics & Chemistry + Microbiology + Pathology + Physics 	<p>Social Studies</p> <ul style="list-style-type: none"> + AP Government/Economics + AP History & Geography + AP US Government + AP World History + Government/Economics + Psychology/Sociology + US History + World Geography + World History 	<p>LOTE</p> <ul style="list-style-type: none"> + Spanish 1-3 + American Sign Language <p>Fine Arts</p> <ul style="list-style-type: none"> + AP Music + Art 1 & 2 + Band + Choir + Dance + Jazz Band + Theater 1-3 + Theater Production <p>Athletics</p>
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HIGH SCHOOL PROGRAMS: CAREER + TECHNICAL EDUCATION

<ul style="list-style-type: none"> + Engineering/Aerospace + Accounting & Money Matters + Agriculture Design + Animal Science + A/V Production + Business + Business 	<ul style="list-style-type: none"> Information Management + Child Guidance & Development + Computer Science & Technology + Construction Trades + EMT + Entrepreneurship 	<ul style="list-style-type: none"> + Engineering & Design + Family & Consumer Science + Floral Design + Graphic Design + Greenhouse + Health Science + Horticulture 	<ul style="list-style-type: none"> + Hospitality + Human Services + Information Technology + Principals of Manufacturing + Robotics + Welding
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MIDDLE SCHOOL PROGRAMS: GENERAL EDUCATION

<p>English</p> <ul style="list-style-type: none"> + ELA6-9 + ELAR Inclusion + ELAR Resource + ELL 6-8 + ESL + PAP ELA + Reading Lab 	<p>Math</p> <ul style="list-style-type: none"> + Algebra + Math 6-8 + Math Inclusion + Math Resource + PAP Math 6-8 	<p>Science</p> <ul style="list-style-type: none"> + PAP Science + Science 6-8 <p>Social Studies</p> <ul style="list-style-type: none"> + History 6-8 + PAP Texas History + PAP US History + Social Studies 	<ul style="list-style-type: none"> + Texas History <p>LOTE</p> <ul style="list-style-type: none"> + Spanish <p>Fine Arts</p> <ul style="list-style-type: none"> + Drama + Art + Theater
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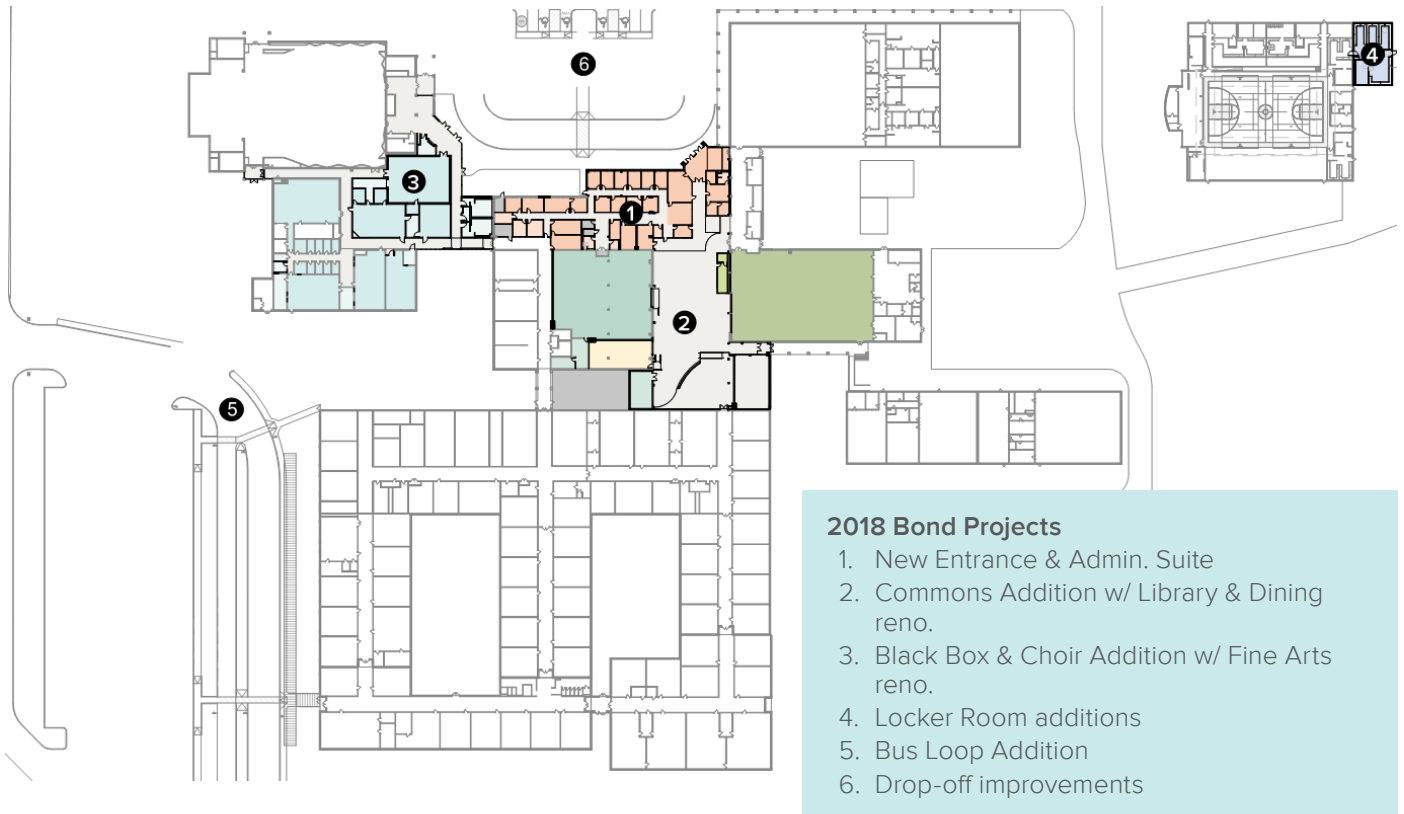
MIDDLE SCHOOL PROGRAMS: CAREER + TECHNICAL EDUCATION

<ul style="list-style-type: none"> + Agriculture 	<ul style="list-style-type: none"> + Engineering 	<ul style="list-style-type: none"> + Multimedia Production 	<ul style="list-style-type: none"> + STEAM
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Huckabee also provided the following floor plans to allow the committee to match current educational programs with their corresponding educational environment. These plans include the approved schematic design of Improvements, Renovations and Additions at both campuses.

HIGH SCHOOL PROGRAMS + MASTER PLANS

Floor Plan With Current Improvements



MIDDLE SCHOOL PROGRAMS + MASTER PLANS

Floor Plan With Current Improvements

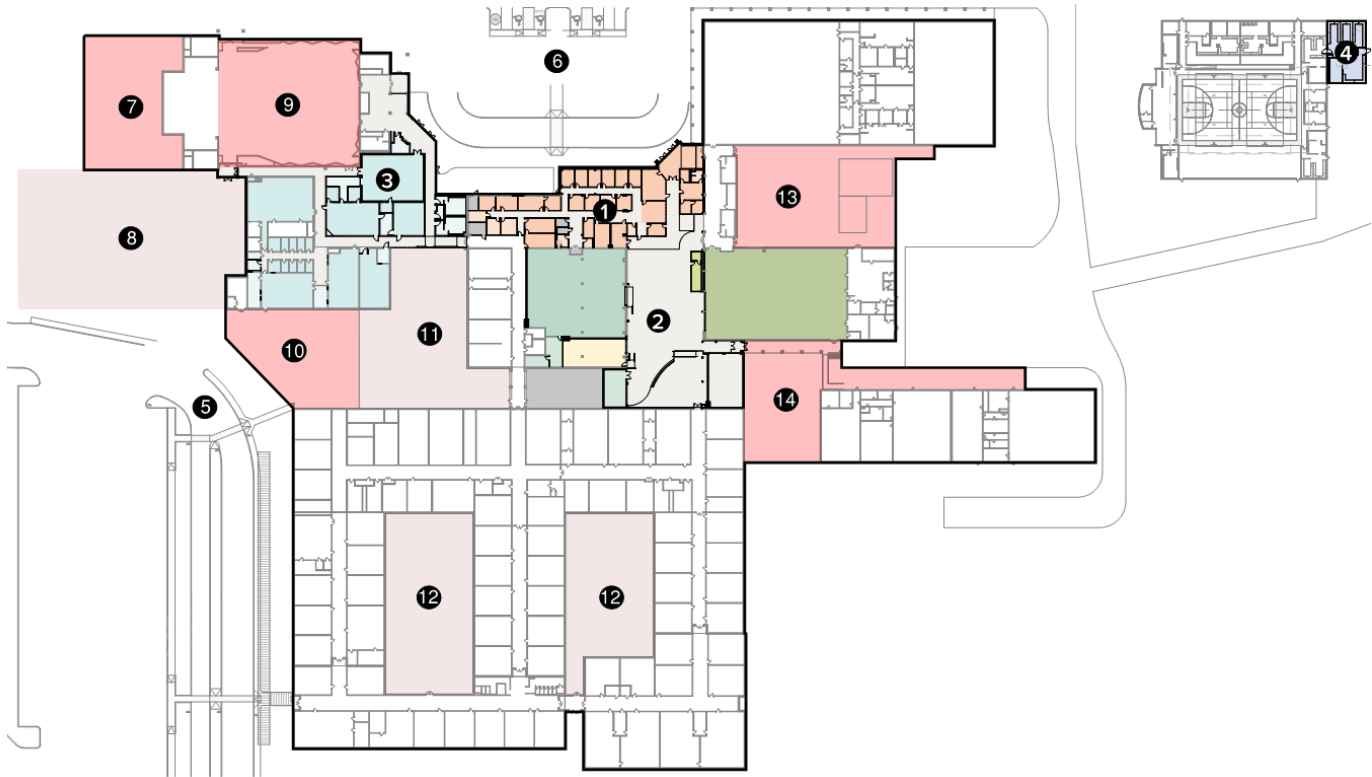


Based on current program interest and performance, as well the district’s intention to develop future-relevant education to its students, Dr. Allen described the desire to master plan both campuses with additions and renovations largely focused on STEM, CTE and Fine Arts classes. At the High School, the additions will also serve to enclose the campus, providing a layer of security for students congruent with today’s design standards.

Based on the committee’s review and comments, the following Master Plans represent the recommended general intent for complete build-out at the Middle and High School campuses.

HIGH SCHOOL PROGRAMS + MASTER PLANS

Master Plan



- 2018 Bond Projects**
- | | |
|--|--------------------------|
| 1. New Entrance & Admin. Suite | 4. Locker Room additions |
| 2. Commons Addition w/ Library & Dining reno. | 5. Bus Loop Addition |
| 3. Black Box & Choir Addition w/ Fine Arts reno. | 6. Drop-off improvements |

- Future Considerations - Specific**
- | | |
|----------------------------|-----------------------------------|
| 7. Band Hall Addition | 11. New Outdoor Learning |
| 8. Band Practice/Parking | 12. Courtyard improvements |
| 9. Auditorium improvements | 13. Locker Rooms/Kitchen Addition |
| 10. Dance/Cheer Addition | 14. CTE addition/connection |

- Future Considerations - General**
- | | |
|--|---|
| + Classroom renovations as identified through planning | + Athletics improvements as needed |
| + Continued work on Parking & Drive Isles | + Continue development of STEM focused curriculum |

MIDDLE SCHOOL PROGRAMS + MASTER PLANS

Master Plan



- 2018 Bond Projects**
- 1. Band & Choir Renovations
 - 2. Dining Hall Renovations
 - 3. Parking & Drive Isle improvements

- Future Considerations - Specific**
- 4. Weight Room renovations
 - 5. Possible New Band Hall Location
 - 6. Collaboration space renovations
 - 7. Courtyard Paving & Canopy
 - 8. Library renovations
 - 9. New Concessions/RR
 - 10. Collaboration space renovations
 - 11. Lecture Room Improvements

- Future Considerations - General**
- + Classroom renovations as identified through planning
 - + Continued work on Parking & Drive Isles
 - + Athletics improvements as needed
 - + Provide permanent space for Ag & other programs
 - + Continue development of STEAM focused curriculum & spaces

RECOMMENDATIONS

ELEMENTARY SCHOOL SIZE

Based on conversations with the Facilities Planning Committee last year and the Long Range Planning Committee regarding community values, educational delivery, safety & security and M&O costs, it is recommended that the maximum functional capacity of all future schools be limited to a range of 625 – 675 students. Further, while 3 of the existing elementary schools already exceed this capacity, it is not recommended to reduce their capacity, nor is it recommended to reduce enrollments at these campuses to match this new capacity goal. Existing schools will remain at their current or planned capacity.

TRIGGER POINTS FOR FUTURE PLANNING

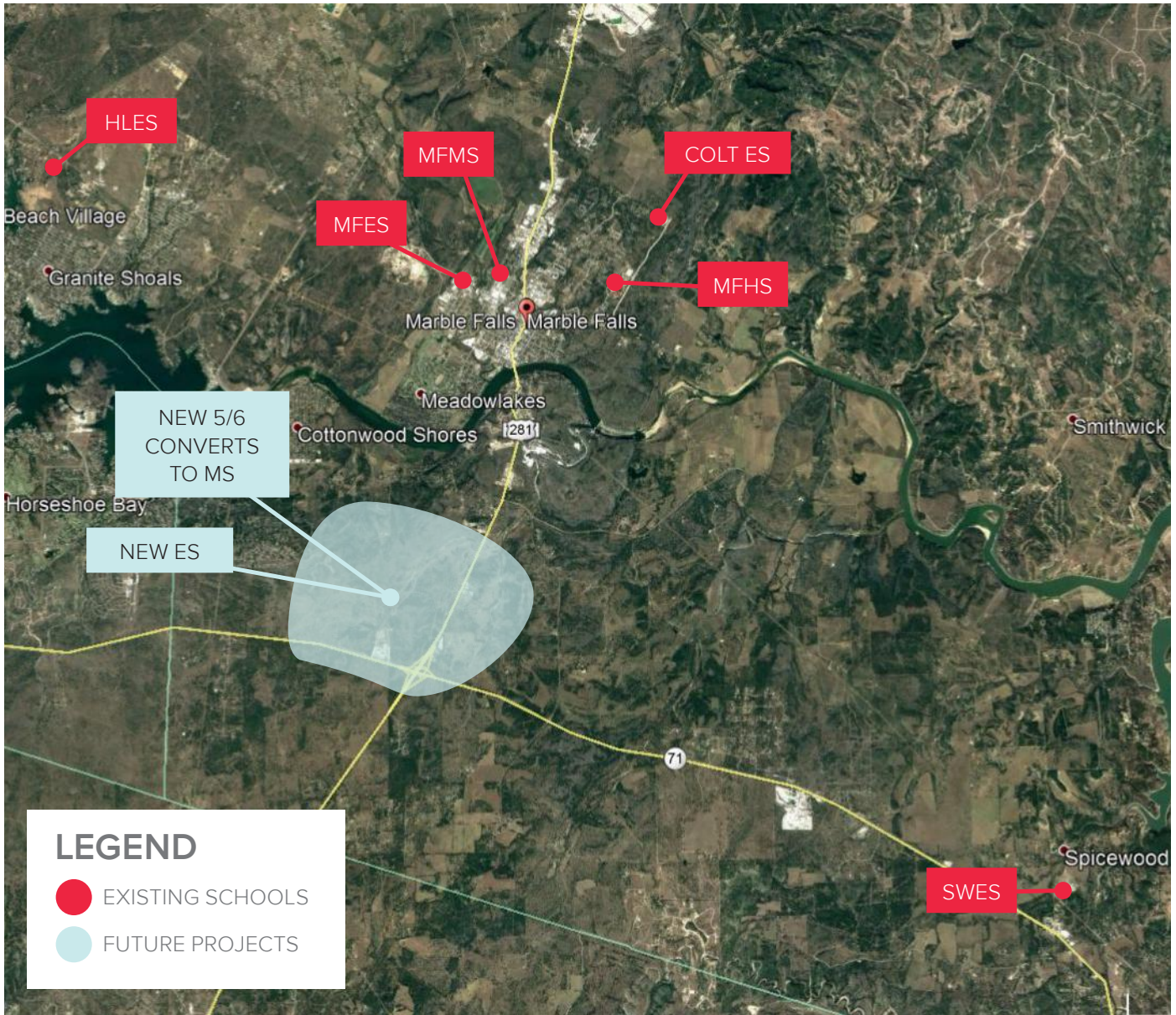
1. Based on the variation in the growth rate among the elementary campuses and the amount of time required to plan, design and build a new school, it is recommended that the district should begin planning for capacity relief:
 - b. So that the new school opens when an existing school’s enrollment is expected to reach 120%, or
 - c. When an existing school’s enrollment is expected to be at or above 105% for more than 4 years.
2. The committee recognized that intervening measures such as redefining attendance zones may be used to manage capacity in lieu of new building construction when new construction does not serve the long term interest of the students of the district.
3. It should also be acknowledged that as the growth rate across the district has proven to be slower than previously projected, updated demographics reports may be necessary to reflect current and phased construction schedules for new residential developments.

MARBLE FALLS ISD CAMPUS CAPACITY vs. FUTURE ENROLLMENT										
SPRING 2019	Program Capacity	ENROLLMENT PROJECTIONS								
CAMPUS		Current	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
COLT ES	689	650	666	701	738	778	823	871	916	960
HIGHLAND LAKES ES	775	608	621	640	663	678	697	701	708	709
MARBLE FALLS ES	714	589	612	635	660	678	700	710	718	722
SPICEWOOD ES	610	223	229	254	288	329	393	460	539	627
MARBLE FALLS MS	1,127	961	955	971	997	1,035	1,084	1,184	1,280	1,391
MARBLE FALLS HS	1,381	1,194	1,261	1,281	1,291	1,332	1,370	1,414	1,483	1,565

ELEMENTARY SCHOOL LOCATION

1. It is this committee’s observation that the next school built to relieve Elementary capacity issues would provide the most benefit by being located in the southwest quadrant of the district, near the 281/71 intersection.
2. While the bulk of future development appears to be located in the southeast quadrant near Spicewood Elementary, current enrollment at this school is significantly under the building’s capacity. Given the rate at which growth has proven itself throughout the district, it appears that Spicewood Elementary can address any enrollment demands for the foreseeable future.
3. When new construction appears to be the most appropriate answer to addressing capacity issues at the elementary campuses, we recommend that consideration be given to either of the following:
 - a. A new PK-5 Elementary School (for fast growth)
 - b. A new District 5th /6th Grade Campus that can convert to a New Middles School (for slow growth).

The following district map provides a visual representation of the recommended general location for the next building to relieve elementary capacity issues.



Marble Falls ISD Aerial Map

EDUCATIONAL ADEQUACY REPORT



EXECUTIVE SUMMARY

The following report is intended to identify standards of educational adequacy specific to Marble Falls ISD educational facilities today. While TEA provides standards for the amount of space to be provided on a square foot per student basis, the abilities of teachers to teach and students to learn is greatly dependent upon the qualities and capabilities of the spaces, furniture and tools provided. Similarly, the manner in which education is delivered across a district's facilities is a function of the values of the community at large. The marrying of these values with the educational facilities, through the chosen methods of educational delivery, generate the culture of a district and types of learning experiences to be found throughout each campus.

In the Fall of 2017, Dr. Allen and his staff engaged community members in a three-part series of public meetings entitled "Shape our Schools". The purpose of these meetings was to gain an understanding of the community's perspective regarding what success entails in the future of education. At each meeting participants sat in small groups and were asked three questions. The groups discussed their individual responses for approximately 20 minutes each before reporting each response to the larger audience. Below are the questions and responses from the meeting held at Spicewood Elementary School:

1) How has the world changed since you were in High School?

- | | | |
|-----------------------|--|-------------------------------------|
| + Social media | + Draft | + Don't play outside |
| + Texting | + Rigor of education | + Technology |
| + Student centered | + 2 parent income | + World sharing (social media) |
| + Job mobility | + Parents work from home | + High stakes, competition, testing |
| + Security(lockdowns) | + Political correctness; hard to have an opinion | + More learning opportunities |
| + Computers | + Immediate gratification | + Transient population |
| + Seatbelts | + Low attention span | |
| + Internet | | |

2) What do students need to know and be able to do in order to be contributing members of society?

- | | | |
|----------------------------|---|---|
| + Collaborate | + Identify problems beforehand | + Research/figure out what to do with information |
| + Be critical thinkers | + Accept criticism | + Read and have reasoning skills |
| + Be creative | + Innovative | + Read and interpret |
| + Technology | + Grit, don't give up | + Work with everyone and work independently |
| + Discriminate information | + Resourceful, forward thinking | + Leadership skills |
| + Active listeners | + Use what they know, explore to learn | + Personal accountability |
| + Respectful | + Responsibility | + Coping with conflict |
| + Time efficiency | + Solve problems in ever-changing world | + Ok to make mistakes |
| + Communicators | + Team environment | + Life skills |
| + Hard work | | |
| + Problem solvers | | |

3) What types of experiences should a student have that would prepare them for long term success?

- | | | |
|---|--|--|
| + Various career opportunities | + Student led conference | + Cultural awareness |
| + Productive struggle, face failure | + Trade schools | + Culture, diversity |
| + Collaborative and individual work | + Vision | + Personal finance |
| + Post-secondary options | + Early exposure to jobs | + Help someone else achieve something, be a mentor |
| + Problem based learning, solve in different ways | + Global awareness | + Community/business partnerships |
| + Balanced work | + Adversity, be told no, ail and persevere | + Learning vs. grades |
| + Socratic seminars | + Be creative, multi-layered, long term projects | |

Sub-question – Are any of these valued by the state testing system?

In January of 2018, the Huckabee planning team sat down with Dr. Allen, Assistant Superintendent Jeff Gasaway, and Board President Kevin Naumann. The goal was to review these same questions, as well as others, directed at identifying qualities and characteristics that might be used to define educational adequacy for Marble Falls. Below is a list of the additional questions discussed at that meeting:

- + What does “future ready” really mean?
- + If our expectation of students is different, how should the role of the educator change?
- + If their future is different than it was ten years ago, how do we prepare them for the future?
- + What are relevant and engaging learning experiences?
- + In what ways should an educator empower and inspire students?
- + How can the building allow for these spaces?
- + What does Technology look like in these environments?

After viewing recordings of the community meetings and having had the opportunity to discuss the future of education in Marble Falls with district leaders, the

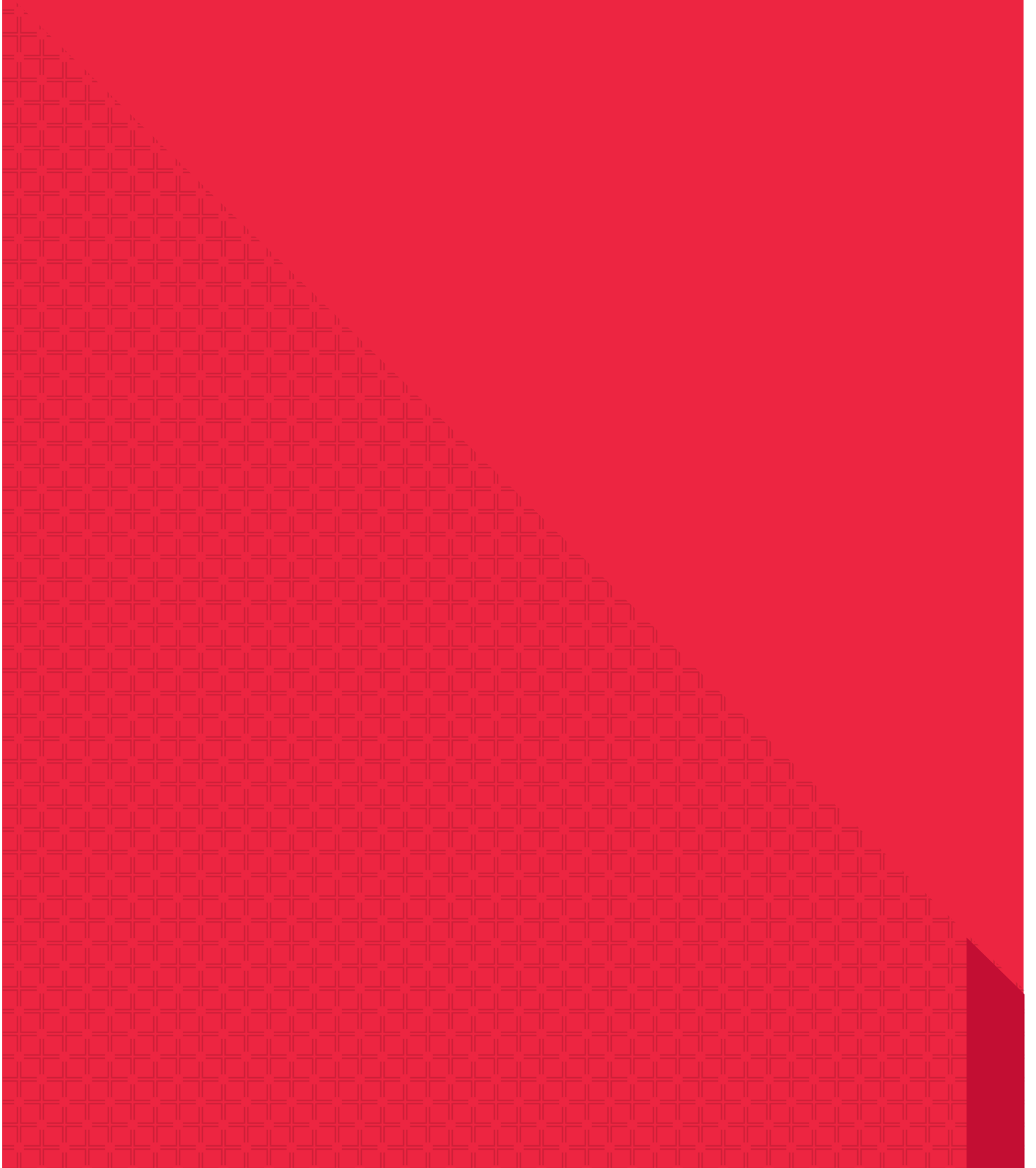
Huckabee planning team met with principals from each of the seven campuses and walked through each facility in order to observe the current physical conditions of the building and gain an understanding of how the buildings are being used by students and staff alike to facilitate education. With this knowledge as a basis for current conditions, Huckabee then engaged the principals and various appropriate staff members in a series of three full-day meetings intended to discuss the qualities and elements that might comprise educational standards for a Marble Falls ISD facility. The resulting Educational Specifications were developed for Elementary, Middle and High School facilities and are provided in their own section of this long range plan.

Using notes from the community engagement meetings, discussions with the District leadership, and the educational specifications developed from discussions with key staff members, Huckabee has developed the following table intended to broadly define what “Educational Adequacy” entails for students, teachers, administrators and facilities in Marble Falls ISD.

<p>CULTURE</p> <ul style="list-style-type: none"> + Empowerment + Innovation + Persistence + Trust + Interdependence 	<p>EXPERIENCE</p> <ul style="list-style-type: none"> + Independent and Collaborative Learning + Real-world Applications + Problem-based Learning + Expression of Thought + Failure and Success
<p>SPACE</p> <ul style="list-style-type: none"> + Variety of Scale + Learning Opportunities throughout + Break-out areas + Supervision of whole, instruction of one + Flexibility 	<p>FURNITURE</p> <ul style="list-style-type: none"> + Movable, Adaptable + Provided throughout + Individual and Group (Appropriate to learning) + Built for Students + Built for Various Personalities
<p>INSTRUCTIONAL TOOLS</p> <ul style="list-style-type: none"> + Allow for expression of thought (by teachers and students) + Available throughout (not just classrooms) + Accessible (to teachers and students) + Promotes Creativity + Variety for various skill sets 	<p>TECHNOLOGY</p> <ul style="list-style-type: none"> + Anywhere - provided throughout + Anytime – reliable + Anyone – iPads, Chromebooks + Adaptable – Future change + Integrated – unnoticeable

With these new standards being established, Huckabee has identified the following educational facility spaces and elements, providing a description of their potential to facilitate the qualities and characteristics of the values listed above. Following each description are selected pictures of existing facilities throughout Marble Falls with captions intended to evoke discussion about how existing facilities reflect the educational values of the district and provoke ideas as to how conditions might be altered where necessary.

SPACES



CLASSROOMS

As the predominant space of learning throughout a school, the classroom should be a space where each of the primary tenets of culture are reflected to some degree. Teachers should be **empowered** to teach appropriately to the subject, lesson and student group at hand. Students should be **empowered** to learn in a variety of modes and reflect their learning in these spaces. Education must reverberate throughout the space. Classrooms should be defined by appropriate spatial qualities, such as lighting and acoustic levels, and be equipped with relevant tools that allow for **innovation**. They should be spaces where students express their thoughts, understand the value in failure, and experience the benefits of **persistence**. Classroom design should reflect the level of **trust** expected between teacher and student, and convey a culture of **interdependence** from one room to another that is understood to exist between various fields and disciplines in the real world.



Windows are generally provided for some natural light while maximizing teaching walls: Should views also be valued as part of the learning environment?



Learning spaces in lower grade classrooms are typically segmented by reading area rugs, mounted smart boards and stationary tables. How does this relate to the variety of ways in which students learn various skills and content?



Short throw projector with retractable screen; Stationary storage remote to student desks: How can teaching tools and storage be made more accessible to students?



Typical classrooms from Elementary through High School are self-contained spaces: How can classrooms be connected to one another to facilitate interdependence across subjects? How can learning at a variety of scales and modes be integrated within classrooms?

POTENTIAL ENHANCEMENTS



Flexibility of walls allows collaboration to occur between rooms without the cost of additional square footage to the building. Writable surfaces on walls and doors captures the opportunity for teachers to teach and students to reflect their learning throughout a room.



Writable, magnetic walls wall surfaces allow elementary students access to reflect their learning as well. Student desks are designed to be easily rolled across the classroom in a variety of configurations. Teacher desks and storage are provided with casters and can be easily relocated.

CIRCULATION

Corridors are historically underutilized spaces within the built learning environment, generally designed for circulation of students between class periods and emergency egress. However, as buffer zones between classrooms in the typical double-loaded corridor setting, corridors can serve as **breakout spaces** for individual classrooms or even as unifying spaces linking classroom to classroom and subject to subject.

From this perspective, corridors can be captured as learning opportunities that may facilitate either **collaborative or independent learning** experiences, depending on the types of furniture and instructional tools provided. With the appropriate level of visual connection from surrounding classrooms, corridors can allow teachers to instruct large groups while **passively supervising** individuals, facilitating a **culture of trust** between students and teachers.



Typical corridors: How can these spaces provide for break-out spaces and other learning opportunities? How can the corridor become a connection between classrooms rather than a buffer?



Corridor walls can be used for display of information or student work: How can corridor walls integrate interactive teaching tools as well?



Middle School corridor: How can furniture be provided in wide corridors to create new learning opportunities?



Middle School Corridor: How can smaller spaces be captured to facilitate small group or individual learning?



Middle School corridor: How can larger circulation spaces be used as collaborative environments?

POTENTIAL ENHANCEMENTS



Glass walls between corridors and classrooms put learning on display, and provide for passive supervision, allowing students to break out and use the corridor for individual and small group learning.



Wide circulation spaces can be captured as learning opportunities. Soft seating for both individuals and groups provides a casual learning environment that students and teachers can use during or between class periods.



Wide circulation spaces can be captured as learning opportunities. Soft seating for both individuals and groups provides a casual learning environment that students and teachers can use during or between class periods.

COMMONS

While traditional Commons spaces were not intentionally designed into any of Marble Falls schools, opportunities exist within several schools to provide spaces that serve as nodes of campus activity and learning. Such community spaces can present the opportunity for enhancing a culture of **empowerment** and **trust** as passively supervised break out learning environments equipped with appropriate instructional tools and furniture. As with corridors, a commons can be designed to accommodate learning at a **variety of scales** and modes, as a place where students teach one another, where teachers meet to work collaboratively, and where the **expression of thought** is always on display.



Entrance Lobby: How can the main lobby of a school be equipped with furniture and instructional tools to be utilized as a learning environment?



Underutilized conditioned space: How can large unused areas be transformed to provide a variety of learning experiences?



Intersection of corridors: How can an intersection of circulation be captured to serve as a node of culture and learning experiences?

POTENTIAL ENHANCEMENTS



Commons spaces can be realized at a variety of scales. At the elementary level, collaborative spaces can be centrally located and designed to serve as a community learning environment within each grade level “neighborhood”.



A large ding space that is open and centrally located can become the cultural heart of a school and serve as a break-out space for large and small group collaboration by students, teachers and administrators.

CAFETERIAS

Like corridors, cafeterias traditionally occupy a large amount of the built environment while accommodating one function for a limited amount of time. Conversely, cafeterias offer a unique opportunity to capture a large existing space as a learning environment for both **large and small group activities**. In some cases, Cafeterias may be designed as the campus commons, serving the dual functions of dining and learning. With the appropriate **furniture, instructional tools** and equipment, cafeterias can be transformed into spaces that allow for **collaboration** and **problem based learning and innovation**, effectively becoming the hub of **cultural interdependence**.



High School Cafeteria: How the furniture be re-imagined to allow for both dining and learning?



Middle School Cafeteria: How can instructional tools be integrated to allow the space to be used outside of lunch periods?



Elementary Cafeteria: How can teachers be inclined to consider the cafeteria as another opportunity for learning to occur?

POTENTIAL ENHANCEMENTS



Dining spaces are increasingly being re-imagined as centers of activity within schools. Rather than a large halls that is occupied for a limited time, dining spaces can allow for a variety of learning modes and interaction throughout the day.



When cafeterias are opened and made accessible to the rest of the school, learning can infiltrate the space at a variety of levels at anytime throughout the day.

LIBRARIES

Libraries are unique to all other learning environments in that they represent a microcosm of the campus itself. Throughout the day, libraries must accommodate a variety of learning modes and group sizes.

Libraries must allow for both quiet, independent study as well as large group collaborative learning.

While today's approach to libraries allows for a noisy environment contrary to the traditionally model, libraries also often provide a uniquely quiet setting for large groups. With a variety of functions, group sizes and learning environments to serve, libraries should be envisioned with **flexibility** throughout.

Walls, furniture and instructional tools should be able to adapt to various educational needs throughout the day. This allows for **instruction** of individuals and **supervision** of the whole, while providing learning opportunities throughout.

With flexibility at the core of design, libraries can also be **integrated** with other large community spaces, such as commons and cafeterias, to further enhance the **collaborative culture** and **learning experiences**.



Elementary Libraries: How can instructional tools be integrated to allow for a variety of learning experiences?



Middle School Library: How can the space be re-imagined to allow for both quiet and noisy activities?



Libraries: How can the library be connected to other large spaces to enhance the culture of the school?

POTENTIAL ENHANCEMENTS



As libraries are increasingly becoming spaces for group projects and student collaboration, smaller quiet reading spaces with appropriate furniture and technology can still be provided.



Movable furniture and bookshelves can allow a library to be utilized in a variety of configurations, allowing for individual, small group, and large class learning to take place in the same space.



Learning Stairs within a library allow students the opportunity to choose a space unique to their personalities and activities.

FURNITURE

Furniture can allow for a variety of educational experiences. This takes place when furniture is **paired appropriately** to the functions to be served and scaled proportionately to the space. It can facilitate both **independent and collaborative learning**, define break-out spaces, and even serve as an instructional tool. Furniture for today's educational environments is also provided in a variety of designs meant to **accommodate various personalities** of students and teachers. With the variety of designs available, the furniture provided can speak to the cultural values and level of innovation expected, either within an individual space or throughout an entire campus.



Student desk: How does this desk and chair speak to the level of individual or collaborative learning expected?



Student Desk: How does this desk speak to the level of flexibility or project based learning expected?



Student Desks: How do these desks speak to the personalities expected of students?



Library soft seating: How do these benches determine the formal or casual nature of this space?



Work Tables: How do can these tables be used as instructional tools appropriate to this space?



Work Tables: How do these tables speak to the learning experiences expected within the space?

POTENTIAL ENHANCEMENTS



Chairs with built-in storage below allow a classroom to be free of hooks on walls or bags cluttered on floors. Wheels on chairs allow students to easily reconfigure their arrangements for individual or group learning.



Soft seating in libraries and other large community spaces provide a comfortable, casual learning environments. Soft built-in window seating allows students to find personalized learning space with views and natural light.



Furniture in schools must accommodate a variety of learning modes, scales and personalities. Desks should be designed to be easily rearranged throughout any space. Seating options can be provided to accommodate those students who learn better while moving.

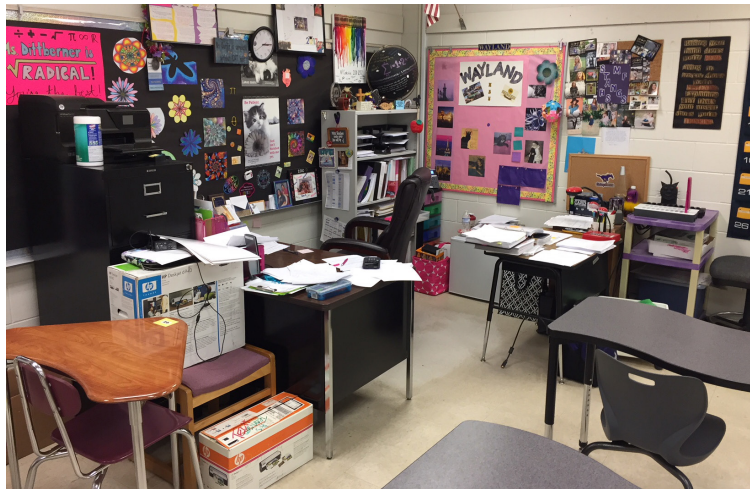
PROFESSIONAL SPACES

In educational environments where each student is provided with access to the internet and on-line instructional tools, the role of the teacher has shifted from supplier of information to **facilitator of culture**. Various teacher and administrative spaces can be considered to reflect the same cultural values expected throughout the learning environment. Spaces for professional development may be provided to **educate and empower** teachers as much as classrooms can empower students. Similarly, passively observed teacher work rooms or conference spaces convey the same level of trust placed on students in passively supervised learning spaces.

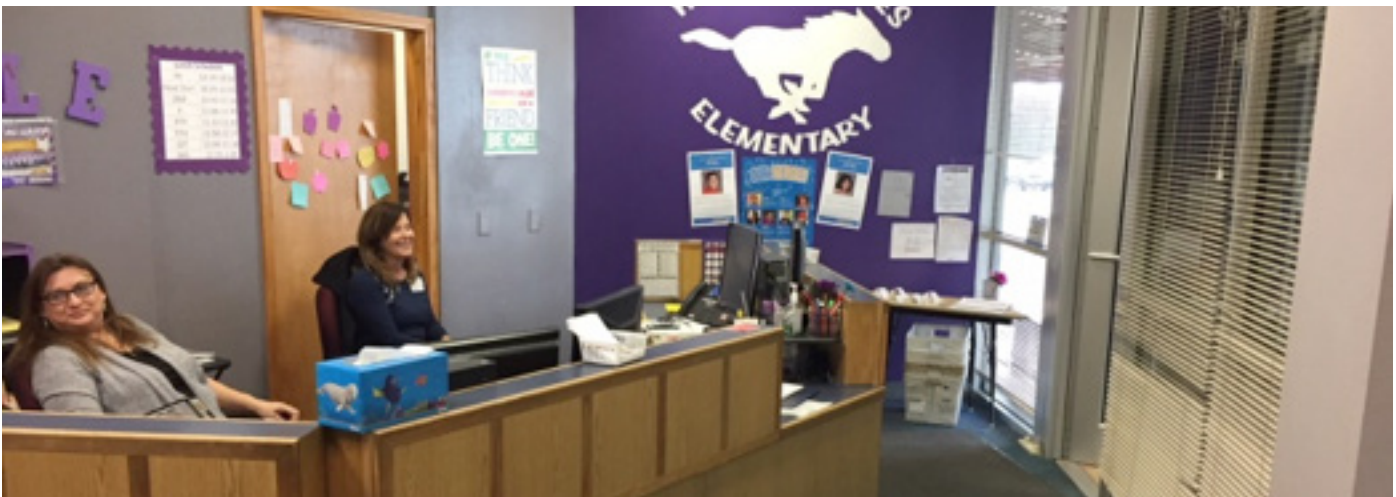
Just as classrooms and collaboration spaces might promote interdependence amongst subjects, strategically designed teacher spaces can promote **interdependence** amongst teachers, students and administrative personnel. Teacher and administrative spaces should also be designed to allow the same levels of **innovation** and promote the same level of **persistence** expected of students.



Teacher work room: How are interdependence persistence and trust conveyed through this design? How are innovation and empowerment conveyed through this space?



Teachers Desks: How do teacher desks speak to the value of space within a classroom?



Reception Room: How do reception rooms convey the values and culture of a campus to visitors?

POTENTIAL ENHANCEMENTS



As the leaders of culture and examples of appropriate conduct, Teachers and Administrators should be provided with working environments and furniture that reflect a level of professionalism.



Teacher Design Labs can provide a professional space for teachers to collaborate with one another on daily schedules and discuss student progress. As this office space is used by teachers during planning periods, classrooms are also free to be used throughout the entire day, allowing more efficient use of space.



Professional work spaces provide with glass walls allow for passive supervision of students. It also puts adult behavior and collaboration on display, allowing Teachers and Administrators to serve as examples for individual and collaborative behavior.

INSTRUCTIONAL TOOLS AND TECHNOLOGY

The degree to which education is allowed to reverberate through the expression of thought is proportionate to the access and capabilities of the tools at hand. Similarly, the extent to which creativity, innovation and persistence permeates the culture of a campus is a function of the type of instructional tools provided. The appropriate tools and technology should be provided to accommodate a **variety** of teacher and student **personalities**, be flexible to facilitate **various modes of learning**, and be **available** anywhere, anytime, and to anyone.



Typical Projector, screen and marker board: How do these tools allow for the expression of student thought?



Typical Projector, Screen and White Board: How do these tools facilitate various modes or scales of learning?



Technology and instructional tools can be scaled to any age and any mode of learning.

POTENTIAL ENHANCEMENTS



Instructional Tools should be provided that allow students to reflect learning and express their thought

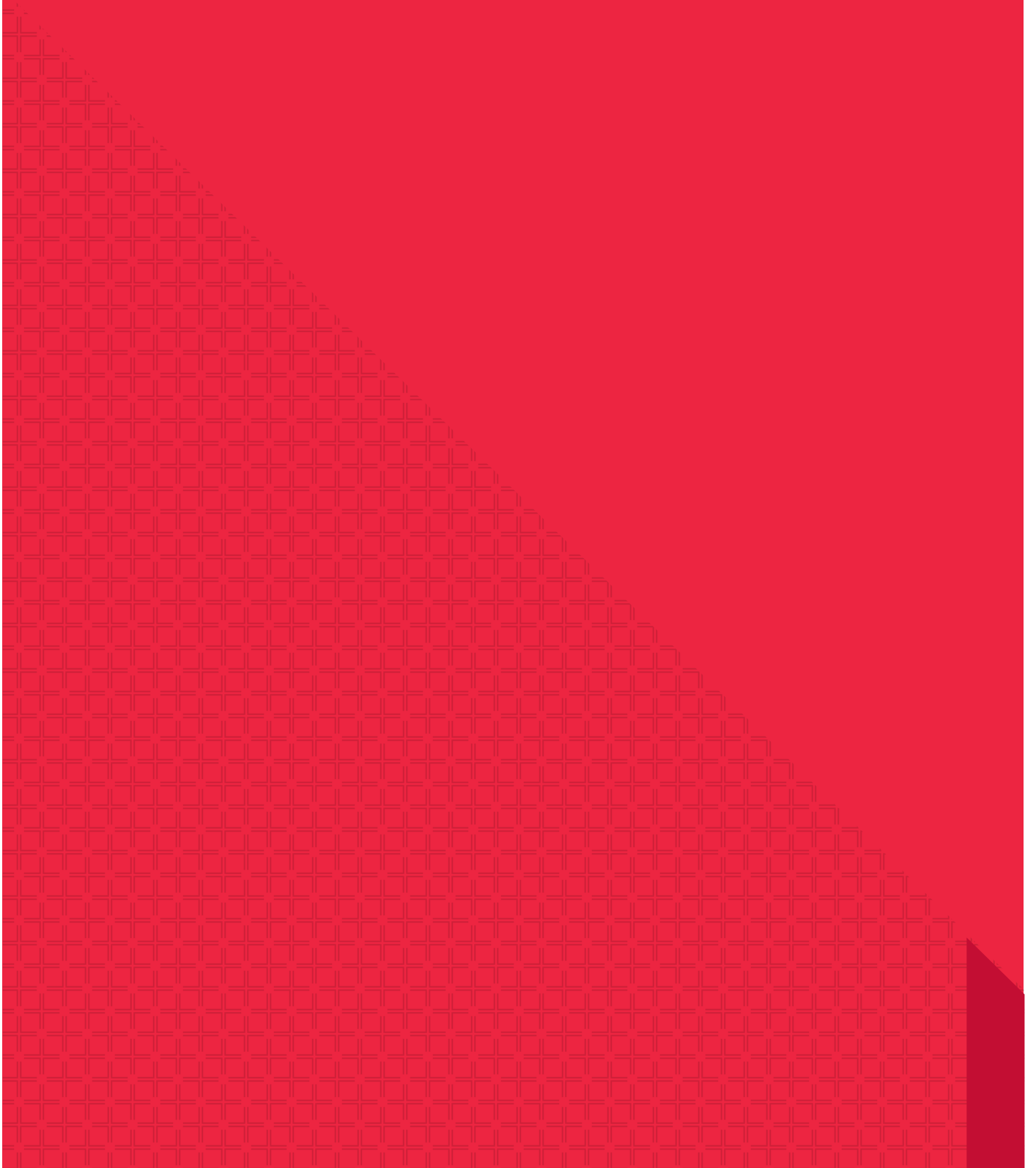


Movable digital monitors allow information to be relocated throughout the classroom as needed.



Technology and instructional tools should make learning convenient, accessible collaborative and interactive.

CAPACITY ASSESSMENT





2018 CAPACITY ANALYSIS

MARBLE FALLS INDEPENDENT SCHOOL DISTRICT

Marble Falls ISD Capacity and Core Analysis Summary March 2018										
2017-18 School Year	CAPACITY ANALYSIS									
Campus	Instructional Spaces		Max Capacity	% Max	Functional Capacity	% Max	Program Capacity	% Max	Current Enrollment	Functional vs. Current
Colt Elementary	35		765	100	689	90	689	90	627	62
Highland Lakes Elementary	36		773	100	696	90	696	90	606	90
Marble Falls Elementary	30		662	100	596	90	596	90	587	9
Spicewood Elementary	31		678	100	610	90	610	90	220	390
Marble Falls Middle School	56		1,463	100	1,170	80	1,127	77	964	206
Marble Falls High School	72		1,794	100	1,346	75	1,381	77	1,174	172

Max Capacity - number of students accommodated according to how the rooms are utilized today (based on use)
Functional Capacity - percentage of the Max Capacity indicating typical room occupancy (based on industry standards)
Program Capacity - percentage of the Max Capacity indicating actual room occupancy (based on master schedule)

2017-18 School Year	DINING CORE COMPLIANCE								
Campus	Cafeteria Size (SF)		Dining per Lunch @ 15sf per Student		Min. # Lunch Periods		Total Served	Functional Capacity	Total Served vs. Current Enrollment
Colt Elementary	4,640		309		3		928	689	240
Highland Lakes Elementary	3,850		257		3		770	696	74
Marble Falls Elementary	4,650		310		2		620	596	24
Spicewood Elementary	3,700		247		3		740	610	130
Marble Falls Middle School	7,000		467		3		1,400	1,170	230
Marble Falls High School	8,114		541		3		1,623	1,346	277

Cafeteria Size - There are no TEA prescribed sizes for Cafeterias.
Dining per Lunch - Huckabee recommends 15 sf/student to determine the number of students served at one time.
Min. # Lunch Periods - The amount of lunch periods required to serve all students based on the number dining per lunch
Total Served - The total number of students that may be accommodated based on the # number of lunch periods

2016-17 School Year	LIBRARY CORE TEA COMPLIANCE							
Campus	TEA Required Library Size		Actual Library Size		Required Size v.s Actual Size	Library Capacity (TEA Standard)	Functional Capacity	Library Capacity v.s Current Enrollment
Colt Elementary	3,566		3,536		(30)	679	689	(10)
Highland Lakes Elementary	3,587		2,600		(987)	367	696	(329)
Marble Falls Elementary	3,287		3,820		533	773	596	178
Spicewood Elementary	3,331		2,275		(1,056)	258	610	(352)
Marble Falls Middle School	5,011		6,100		1,089	1,533	1,170	363
Marble Falls High School	5,537		5,562		26	1,354	1,346	9

TEA Required Library Size - Based on campus "Current Enrollment"
 <= 100 students 1,400 SF
 = 100 - 500 students 1,400 SF + 4 SF for every student over 100
 = 501 - 2000 students 3,000 SF + 3 SF for every student over 500
 >= 2001 Students 7,500 + 2 SF for every student over 2,000

COLT ELEMENTARY SCHOOL

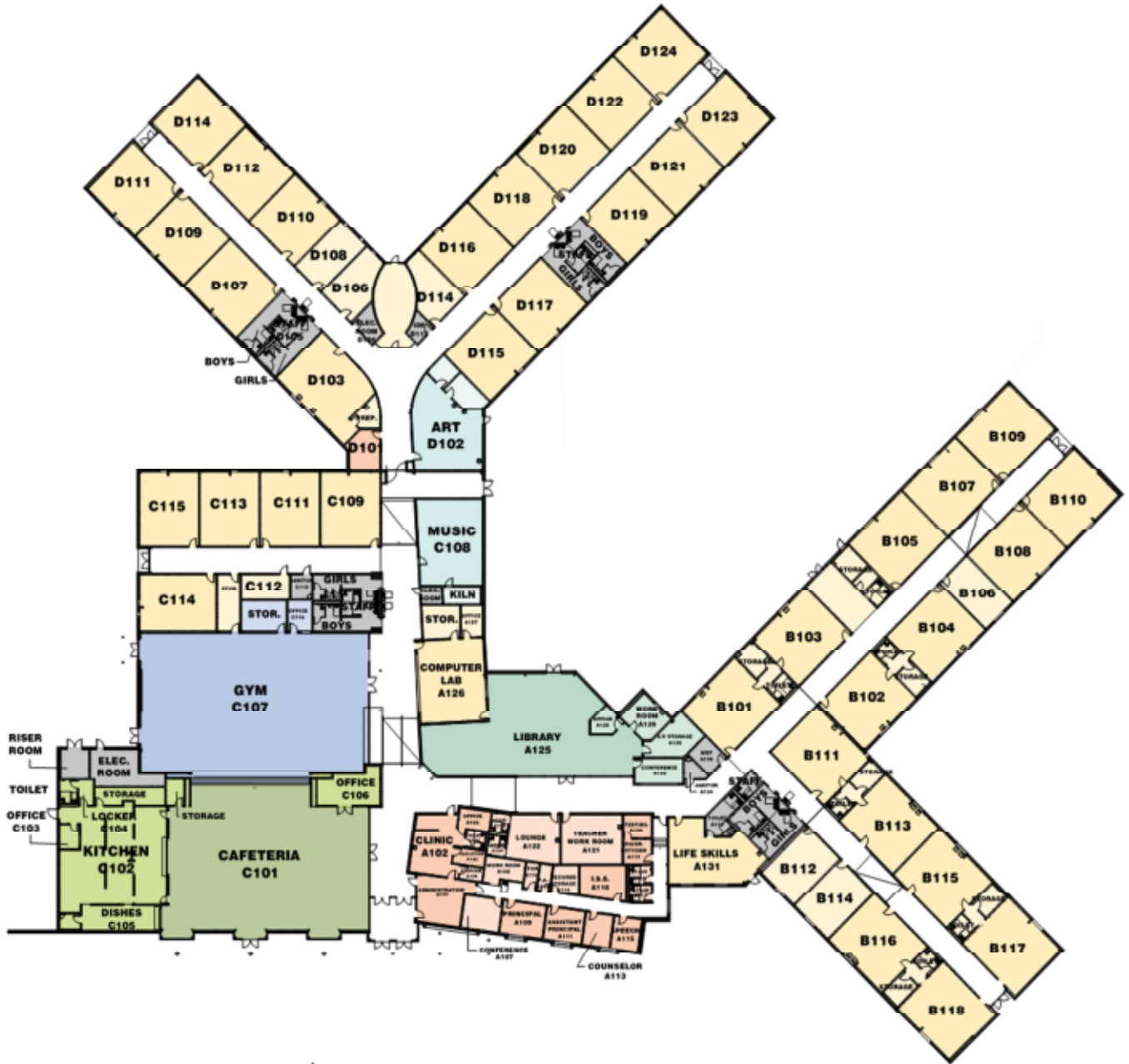




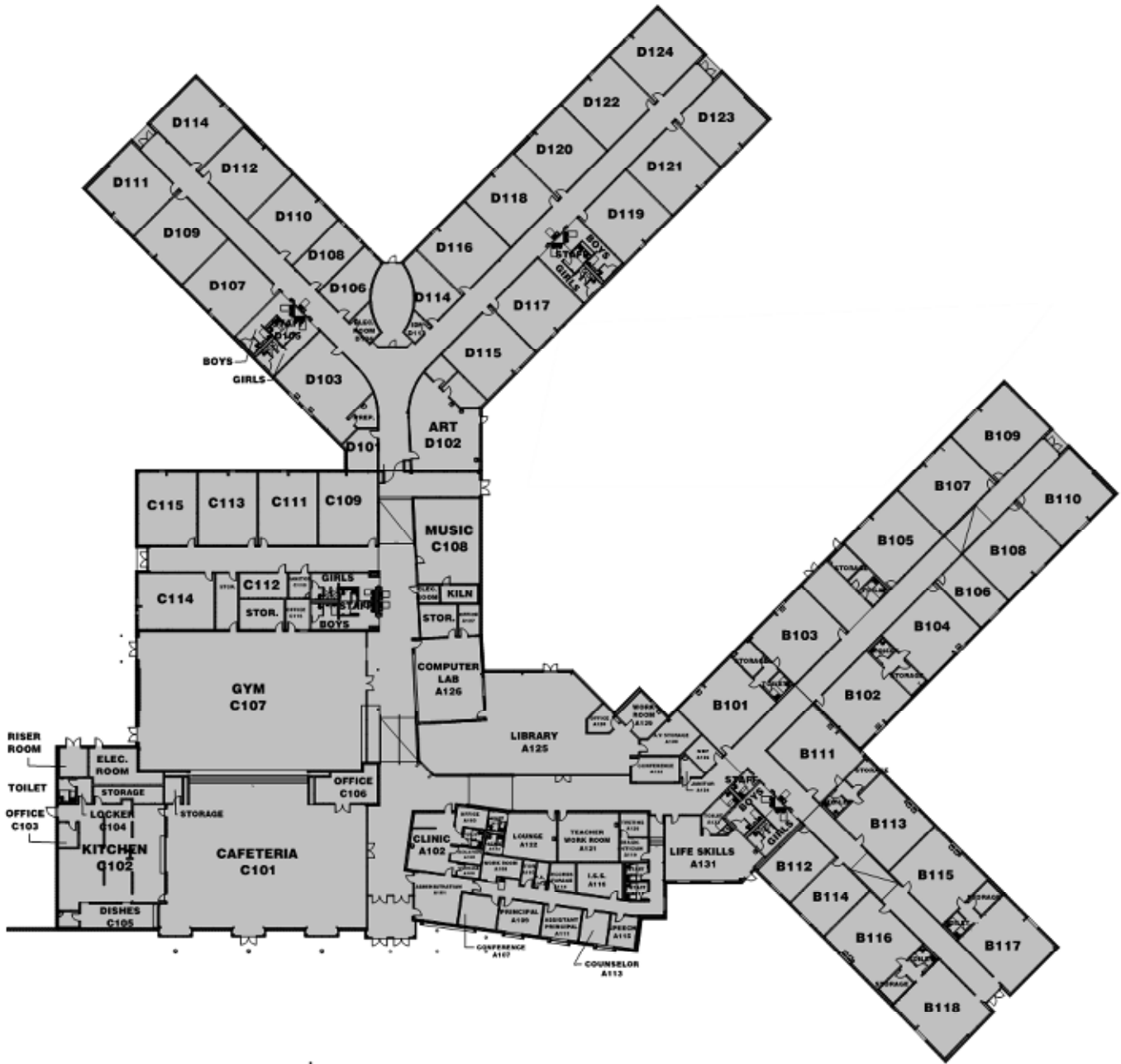
COLT ELEMENTARY SCHOOL
2200 Manzano Mile
Marble Falls, Texas 78654

Year Built (additions/renovations)	2010
Approximate Total Square Footage	81,833
Grades Served	Pre-K – 5 th
Functional Capacity	689
Total Student Enrollment (students in portables)	627 (none)



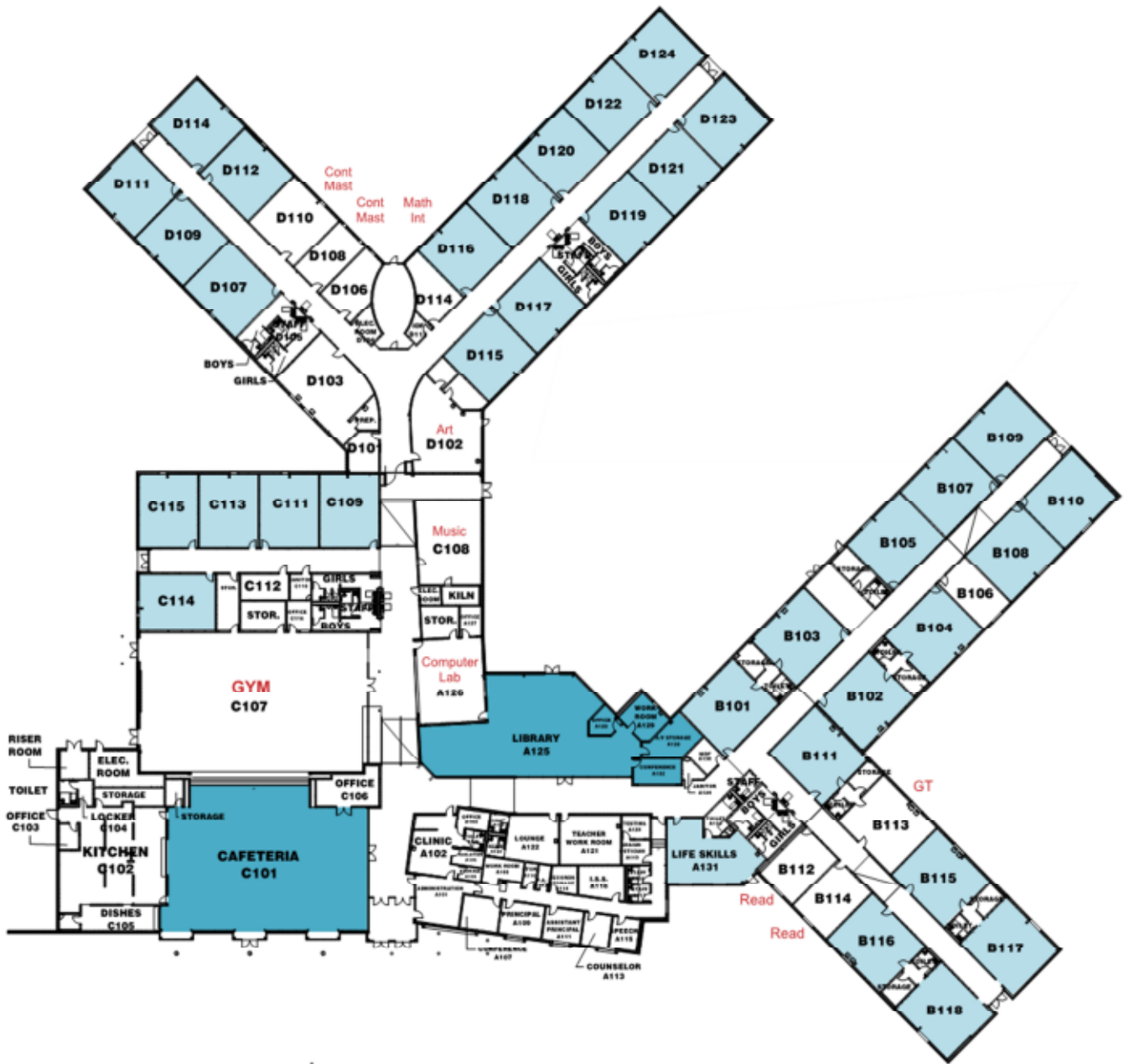


COLOR LEGEND					
	Academic Space		Athletic Support		Fine Arts Support
	Academic Support		Circulation		Library
	Administration		Dining		Library Support
	Administration Support		Dining Support (Kitchen)		Support Space
	Athletic Space		Fine Arts		



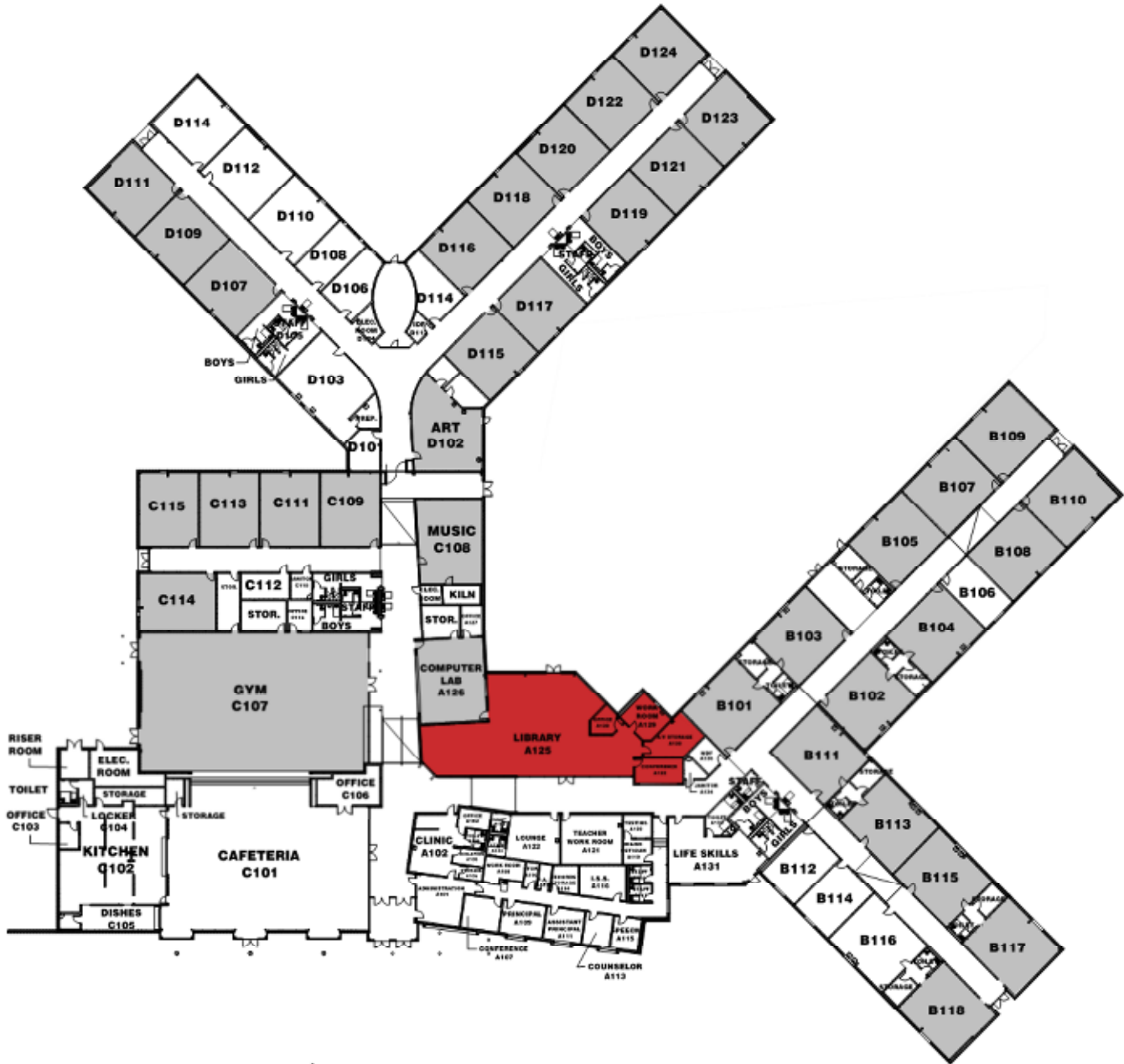
COLOR LEGEND

■ 2010 – Original Building



COLOR LEGEND

- Instructional Capacity
- Core Capacity
- X Support Space/Not Calculated



COLOR LEGEND

- Compliant with TEA
- Not Compliant with TEA
- No TEA/Best Practices Requirement

Marble Falls ISD - Capacity Program					
Colt ES	Existing Program				
2017-2018 Student Enrollment - 627 (+31 Headstart Students)	TEA Minimums (S.F.)	Existing room #	Max Capacity (TEA-Instruct. Spaces)	Area per space (S.F.)	Remarks
INSTRUCTIONAL SPACES			741		
Pre-Kindergarten					
Classrooms w/ Restrooms			66		
1 Pre-K Classroom	800sf/ 36sf per student	B115	22	810	
2 Pre-K Classroom		B117	22	810	
3 Pre-K Classroom		B118	22	810	
Kindergarten					
Classrooms w/ Restrooms			110		
4 Kindergarten Classroom	800sf/ 36sf per student	B101	22	805	
5 Kindergarten Classroom		B102	22	805	
6 Kindergarten Classroom		B103	22	805	
7 Kindergarten Classroom		B104	22	810	
8 Kindergarten Classroom		B111	22	800	
1st Grade					
Classrooms w/ Restrooms			110		
9 1st Grade Classroom	800sf/ 36sf per student	B105	22	800	
10 1st Grade Classroom		B107	22	810	
11 1st Grade Classroom		B108	22	800	
12 1st Grade Classroom		B109	22	810	
13 1st Grade Classroom		B110	22	800	
2nd Grade					
Classrooms			110		
14 2nd Grade Classroom	700sf/ 32sf per student	C109	22	720	
15 2nd Grade Classroom		C111	22	720	
16 2nd Grade Classroom		C113	22	720	
17 2nd Grade Classroom		C114	22	720	
18 2nd Grade Classroom		C115	22	720	
3rd Grade					
Classrooms			110		
19 3rd Grade Classroom	700sf/ 32sf per student	D115	22	725	
20 3rd Grade Classroom		D116	22	725	
21 3rd Grade Classroom		D117	22	725	
22 3rd Grade Classroom		D118	22	725	
23 3rd Grade Classroom		D120	22	725	
4th Grade					
Classrooms			110		
24 4th Grade Classroom	700sf/ 32sf per student	D119	22	725	
25 4th Grade Classroom		D121	22	725	
26 4th Grade Classroom		D122	22	725	
27 4th Grade Classroom		D123	22	725	
28 4th Grade Classroom		D124	22	725	
5th Grade					
Classrooms			125		
29 5th Grade Classroom	700sf/ 28sf per student	D107	25	780	22 max per campus policy
30 5th Grade Classroom		D109	25	720	
31 5th Grade Classroom		D111	25	720	

Marble Falls ISD - Capacity Program						
Colt ES		Existing Program				
2017-2018 Student Enrollment - 627 (+31 Headstart Students)		TEA Minimums (S.F)	Existing room #	Max Capacity (TEA-Instruct. Spaces)	Area per space (S.F.)	Remarks
32	5th Grade Classroom		D112	25	720	
33	5th Grade Classroom		D114	25	720	
SPECIAL PROGRAM SPACES				24		
Labs						
	Computer Lab	900sf/ 25sf per student	A126	25	930	Pull-out
Specialized Instruction						
	GT Classroom	700sf/ 32sf per student	B113	15	504	Pull-out
	Science Lab	800sf/ 36sf per student	D103	24	915	Pull-out
Special Education						
Resource						
	Bilingual Reading	400/40sf per Student	B106	10	412	Pull-out
	Resource Classroom	400/40sf per Student	C112	5	140	5 max per campus practice
	SPEd Classroom	400/40sf per Student	D112	5	720	5 max per campus practice
	Content Mastery	400/40sf per Student	D106	9	380	Pull-out
	Content Mastery	400/40sf per Student	D108	9	390	Pull-out
	Content Mastery	400/40sf per Student	D110	17	680	Pull-out
	Math Intevntion	400/40sf per Student	D114	18	720	Pull-out
	Reading Intevntion	400/40sf per Student	B112	12	490	Pull-out
	Reading Intevntion	400/40sf per Student	B114	12	505	Pull-out
Life Skills						
				24		
34	PPCD	400/40sf per Student	A131	12	804	12 avg. per campus practice
35	PPCD		B116	12	810	
Fine Arts						
Music						
	Music Room	800sf/ 36sf per student	C108	22	915	Pull-out
Visual Arts						
	Art Classroom	800sf/ 36sf per student	D102	22	890	Pull-out
CORE SPACES						
Library						
	Library	see TEA chart	A125	679	3,536	
Cafeteria						
Dining & Queing						
	Dining Area	n/a	C101	309	4,640	15sf / Student
PHYSICAL EDUCATION						
Gyms						
	Gym - PE (Activity Room)	3000	C107	44	5,310	
Max Capacity				765		

HIGHLAND LAKES ELEMENTARY SCHOOL





HIGHLAND LAKES ELEMENTARY SCHOOL
8200 Farm to Market 1431 W
Granite Shoals, Texas 78654

Year Built (additions/renovations)	1998 (2004)
Approximate Total Square Footage	98,193
Grades Served	Pre-K – 5 th
Functional Capacity	696
Total Student Enrollment (students in portables)	606 (Head Start)





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



COLOR LEGEND	
Grey	1998 – Original Building
Green	2004 – Addition
Light Blue	2009 – Addition
Dark Blue	2010 - Addition



COLOR LEGEND

- Instructional Capacity
- Core Capacity
- X Support Space/Not Calculated



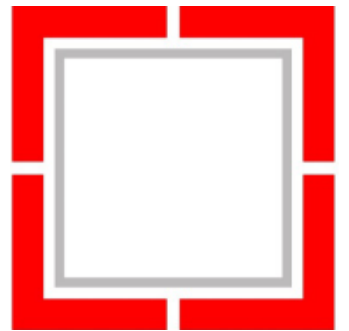
COLOR LEGEND

- Compliant with TEA
- Not Compliant with TEA
- No TEA/Best Practices Requirement

Marble Falls ISD - Capacity Program						
Highland Lakes ES		Existing Program				
2017-2018 Student Enrollment - 606 (+31 Headstart Students)		TEA Minimums (S.F)	Existing room #	Max Capacity (TEA-Instruct. Spaces)	Area per space (S.F.)	Remarks
INSTRUCTIONAL SPACES				741		
Pre-Kindergarten						
Classrooms w/ Restrooms				66		
1	Pre-K Classroom	800sf/ 36sf per student	505	22	800	
2	Pre-K Classroom		507	22	800	
3	Pre-K Classroom		509	22	800	
Kindergarten						
Classrooms w/ Restrooms				110		
4	Kindergarten Classroom	800sf/ 36sf per student	510	22	800	
5	Kindergarten Classroom		511	22	800	
6	Kindergarten Classroom		512	22	800	
7	Kindergarten Classroom		513	22	800	
8	Kindergarten Classroom		514	22	800	
1st Grade						
Classrooms w/ Restrooms				110		
9	1st Grade Classroom	800sf/ 36sf per student	413	22	810	
10	1st Grade Classroom		417	22	800	
11	1st Grade Classroom		418	22	800	
12	1st Grade Classroom		423	22	800	
13	1st Grade Classroom		424	22	800	
2nd Grade						
Classrooms				110		
14	2nd Grade Classroom	700sf/ 32sf per student	406	22	900	
15	2nd Grade Classroom		407	22	715	
16	2nd Grade Classroom		409	22	750	
17	2nd Grade Classroom		410	22	715	
18	2nd Grade Classroom		411	22	725	
3rd Grade						
Classrooms				110		
19	3rd Grade Classroom	700sf/ 32sf per student	608	22	980	
20	3rd Grade Classroom		609	22	860	
21	3rd Grade Classroom		610	22	860	
22	3rd Grade Classroom		611	22	860	
23	3rd Grade Classroom		612	22	860	
4th Grade						
Classrooms				110		
24	4th Grade Classroom	700sf/ 32sf per student	602	22	960	
25	4th Grade Classroom		603	22	960	
26	4th Grade Classroom		604	22	960	
27	4th Grade Classroom		605	22	960	
28	4th Grade Classroom		606	22	960	

Marble Falls ISD - Capacity Program						
Highland Lakes ES		Existing Program				
2017-2018 Student Enrollment - 606 (+31 Headstart Students)		TEA Minimums (S.F)	Existing room #	Max Capacity (TEA-Instruct. Spaces)	Area per space (S.F.)	Remarks
5th Grade						
Classrooms						
				125		
29	5th Grade Classroom	700sf/ 28sf per student	308	25	730	
30	5th Grade Classroom		310	25	730	
31	5th Grade Classroom		313	25	730	
32	5th Grade Classroom		319	25	730	
33	5th Grade Classroom		321	25	730	
SPECIAL PROGRAM SPACES						
Labs						
	Computer Lab	900sf/ 25sf per student	301/303	25	940	Pull-out
Specialized Instruction						
	GT Classroom (Challenge Lab)	700sf/ 32sf per student	311	22	730	Pull-out
	Science Lab	800sf/ 36sf per student	320	22	730	Pull-out
Special Education						
Resource						
				22		
34	Bilingual	700sf/ 32sf per student	307	22	730	
	SPED Classroom	400/ 40sf per Student	307	22	730	Pull-out
	SPED Classroom	400/ 40sf per Student	308	22	730	Pull-out
	ACE	400/ 40sf per Student	317	18	730	Pull-out
	PLC	400/ 40sf per Student	601	22	960	Staff use
	Content Mastery	400/ 40sf per Student	408	18	750	Pull-out
	Diagnostician/LLSP	400/ 40sf per Student	304	18	730	Pull-out/Small Offices
	Speech Therapy	400/ 40sf per Student	309	18	730	Pull-out/Small Offices
	Reading Intervention	400/ 40sf per Student	306	18	730	Pull-out/Small Offices
Life Skills						
				5		
35	Life Skills	400/ 40sf per Student	503	5	885	5 max per campus practice
Behavioral Intervention						
	BEST	n/a	402	9	360	Pull-out Space
Motor Skills Lab						
				5		
36	Motor Skills Lab	400/ 40sf per Student	506	5	885	5 max per campus practice
Fine Arts						
Music						
	Music Room	800sf/ 36sf per student	504	22	885	Pull-out
Visual Arts						
	Art Classroom	800sf/ 36sf per student	302	22	840	Pull-out
CORE SPACES						
Library						
	Library	see TEA chart	103	400	2,600	Pull-out

MARBLE FALLS ELEMENTARY SCHOOL





MARBLE FALLS ELEMENTARY SCHOOL
901 Avenue U
Marble Falls, Texas 78654

Year Built (additions/renovations)	1961 (2010)
Approximate Total Square Footage	116,830
Grades Served	Pre-K – 5 th
Functional Capacity	596
Total Student Enrollment (students in portables)	587 (Head Start)





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



COLOR LEGEND

- 1961 – Original Building
- 2010 – Addition



COLOR LEGEND

- Instructional Capacity
- Core Capacity
- X Support Space/Not Calculated



COLOR LEGEND

	Compliant with TEA		Not Compliant with TEA
	No TEA/Best Practices Requirement		

Marble Falls ISD - Capacity Program						
Marble Falls ES		Existing Program				
2017-2018 Student Enrollment - 587		TEA Minimums (S.F.)	Existing room #	Max Capacity (TEA-Instruct. Spaces)	Area per space (S.F.)	Remarks
INSTRUCTIONAL SPACES				650		
Pre-Kindergarten						
Classrooms w/ Restrooms				44		
1	Pre-K Classroom	800sf/ 36sf per student	C104	22	800	
2	Pre-K Classroom		C105	22	800	
Kindergarten						
Classrooms w/ Restrooms				88		
3	Kindergarten Classroom	800sf/ 36sf per student	B101	22	830	
4	Kindergarten Classroom		B102	22	800	
5	Kindergarten Classroom		B103	22	830	
6	Kindergarten Classroom		B104	22	800	
1st Grade						
Classrooms w/ Restrooms				110		
7	1st Grade Classroom	800sf/ 36sf per student	B105	22	810	
8	1st Grade Classroom		B107	22	800	
9	1st Grade Classroom		B108	22	800	
10	1st Grade Classroom		B109	22	800	
11	1st Grade Classroom		B110	22	815	
2nd Grade						
Classrooms				110		
12	2nd Grade Classroom	700sf/ 32sf per student	C109	22	700	
13	2nd Grade Classroom		C110	22	700	
14	2nd Grade Classroom		C111	22	700	
15	2nd Grade Classroom		C112	22	700	
16	2nd Grade Classroom		C114	22	700	
3rd Grade						
Classrooms				110		
17	3rd Grade Classroom	700sf/ 32sf per student	C113	22	700	
18	3rd Grade Classroom		C115	22	700	
19	3rd Grade Classroom		C116	22	700	
20	3rd Grade Classroom		C117	22	700	
21	3rd Grade Classroom		D105	22	700	
4th Grade						
Classrooms				88		
22	4th Grade Classroom	700sf/ 32sf per student	D116	22	675	
23	4th Grade Classroom		D117	22	675	
24	4th Grade Classroom		D118	22	675	
25	4th Grade Classroom		D119	22	675	
5th Grade						
Classrooms				100		
26	5th Grade Classroom	700sf/ 28sf per student	D112	25	675	
27	5th Grade Classroom		D113	25	675	
28	5th Grade Classroom		D114	25	675	
29	5th Grade Classroom		D115	25	675	

Marble Falls ISD - Capacity Program						
Marble Falls ES	Existing Program					
2017-2018 Student Enrollment - 587	TEA Minimums (S.F)	Existing room #	Max Capacity (TEA-Instruct. Spaces)	Area per space (S.F.)	Remarks	
SPECIAL PROGRAM SPACES			12			
Labs						
	Multi- Purpose Room	700sf/ 32sf per student	D111	22	880	Pull-out
Specialized Instruction						
	GT Classroom (Challenge Lab)	700sf/ 32sf per student	D106	22	725	
	Science	800sf/ 36sf per student	D109	22	900	Pull-out
Special Education						
Resource						
	Resource Classroom	400/ 40sf per Student	D103	11	450	
	Resource Classroom	400/ 40sf per Student	D104	11	450	
	M-Specialist	400/ 40sf per Student	D102	14	585	
	Content Mastery	400/ 40sf per Student	D105	18	725	
	OTPT	400/ 40sf per Student	D108	9	385	
	Reading Library	400/ 40sf per Student	B106	20	800	
Life Skills						
30	Life Skills	400/ 40sf per Student	D110	12	735	12 max
Behavioral Intervention						
31	BEST	n/a	C107	20	800	Pull-out Space
32	BSI "ISS"	n/a	C108	18	720	Pull-out Space
Fine Arts						
Music						
	Music Room	800sf/ 36sf per student	C102	22	930	
Visual Arts						
	Art Classroom	800sf/ 36sf per student	C103	22	790	
CORE SPACES						
Library						
	Library	see TEA chart	B115	773	3,820	
Cafeteria						
Dining & Queing						
	Dining Area	n/a	D120	310	4,650	15sf / Student
PHYSICAL EDUCATION						
Gyms						
	Gym - PE (Activity Room)	3000	C101	44	4,640	
Max Capacity			662			

SPICEWOOD ELEMENTARY SCHOOL

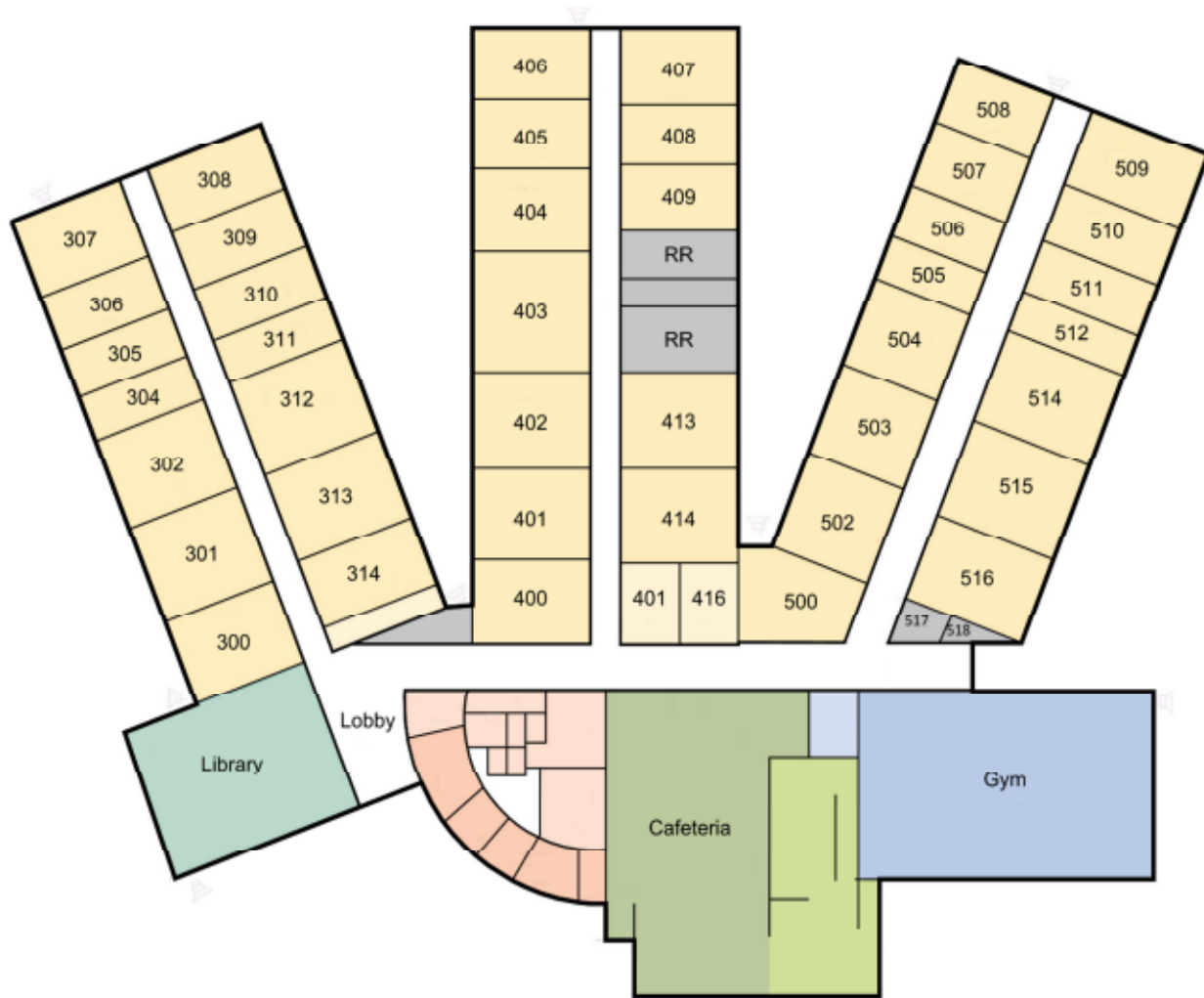




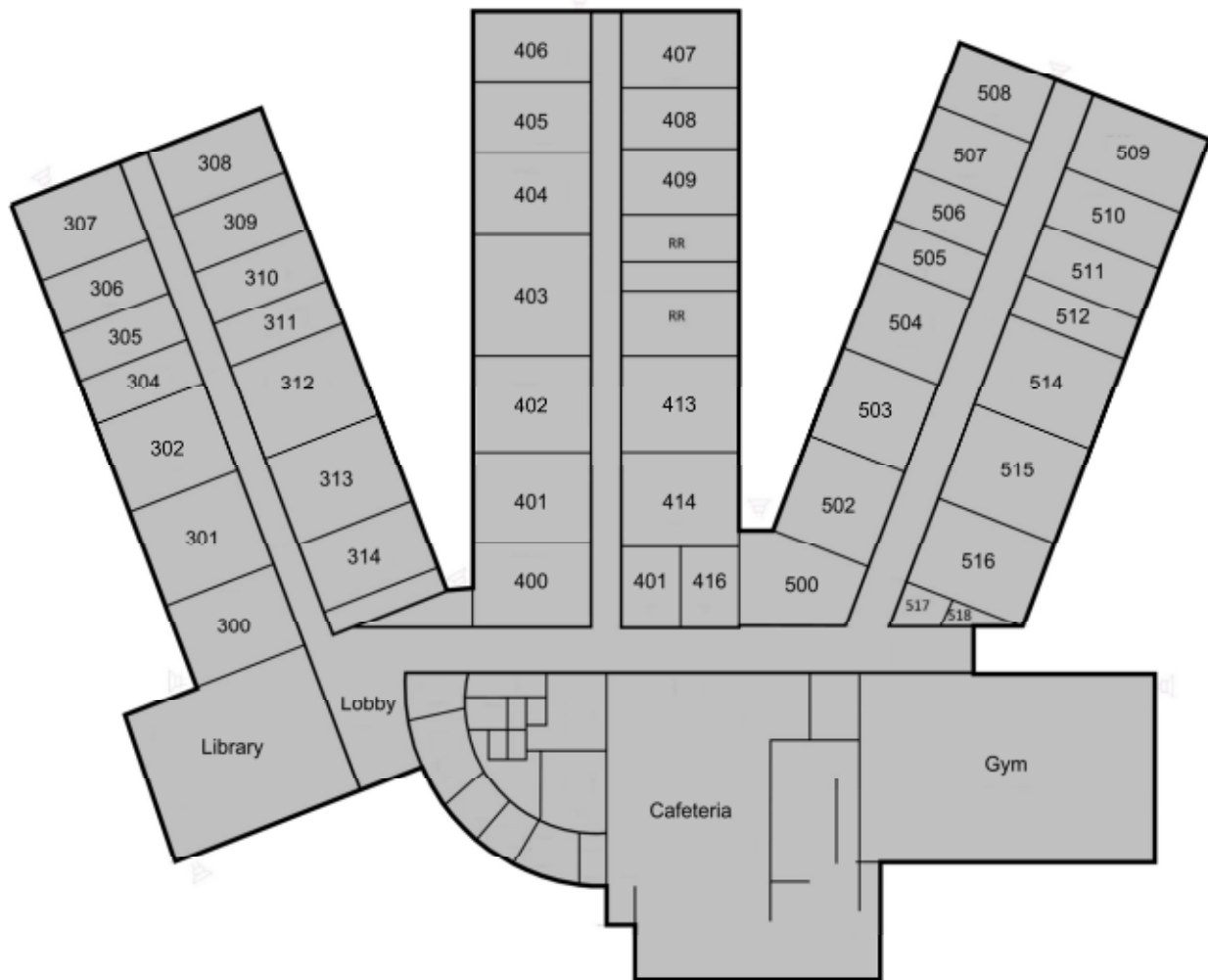
SPICEWOOD ELEMENTARY SCHOOL
1005 Spur 191
Spicewood, Texas 78669

Year Built (additions/renovations)	2004 (none)
Approximate Total Square Footage	61,062
Grades Served	Pre-K – 5 th
Functional Capacity	610
Total Student Enrollment (students in portables)	220 (none)





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



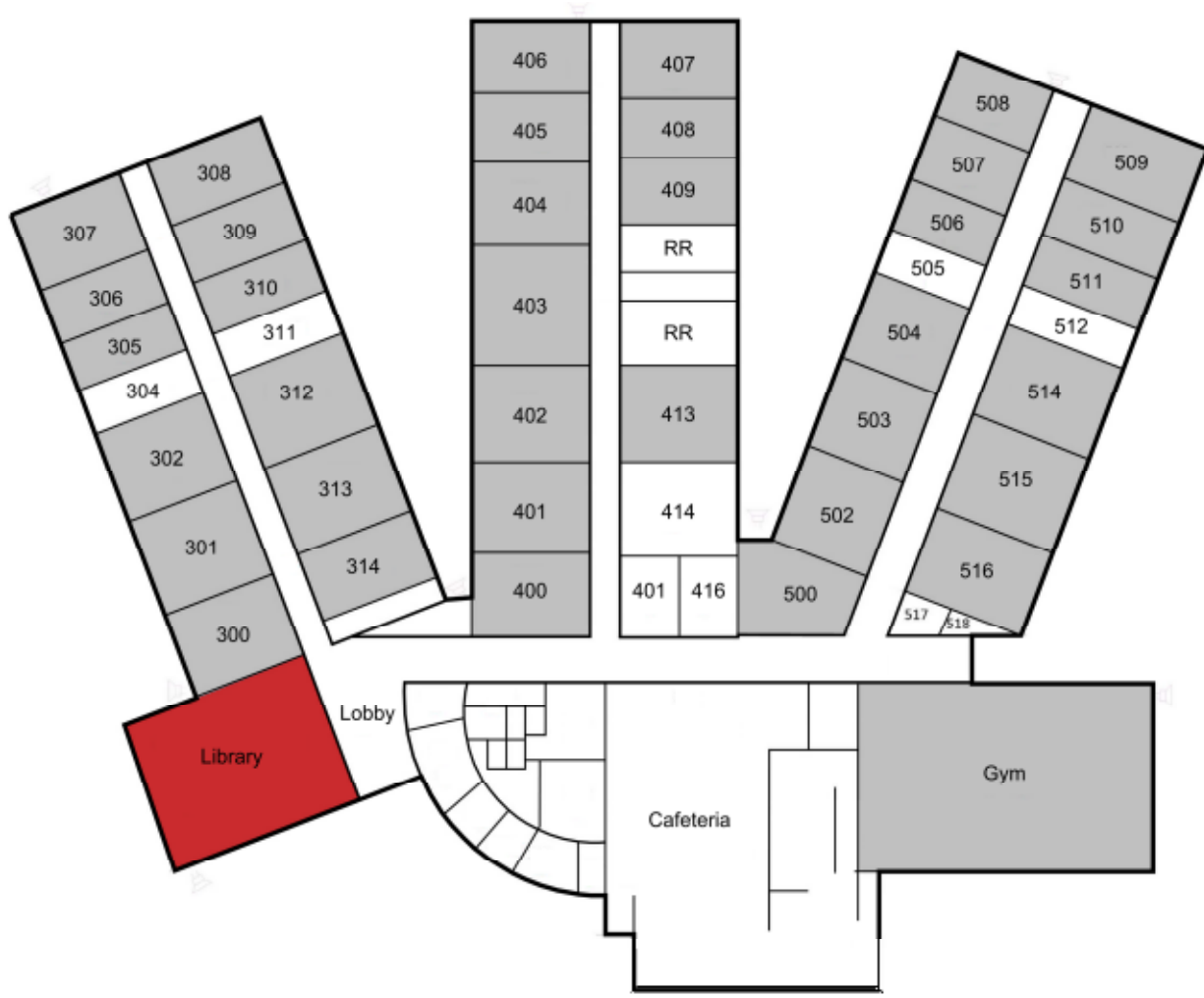
COLOR LEGEND

■ 2004 – Original Building



COLOR LEGEND

- Instructional Capacity
- Core Capacity
- X Support Space/Not Calculated



COLOR LEGEND

 Compliant with TEA	 Not Compliant with TEA
 No TEA/Best Practices Requirement	

Marble Falls ISD - Capacity Program						
Spicewood ES		Existing Program				
2017-2018 Student Enrollment - 220		TEA Minimums (S.F.)	Existing room #	Max Capacity (TEA-Instruct. Spaces)	Area per space (S.F.)	Remarks
INSTRUCTIONAL SPACES				358		
Pre-Kindergarten						
Classrooms w/ Restrooms				44		
1	Pre-K Classroom	800sf/ 36sf per student	506	22	915	
2	Pre-K Classroom		511	22	918	
Kindergarten						
Classrooms w/ Restrooms				44		
3	Kindergarten Classroom	800sf/ 36sf per student	504	22	910	
4	Kindergarten Classroom		514	22	915	
1st Grade						
Classrooms w/ Restrooms				44		
5	1st Grade Classroom	800sf/ 36sf per student	509	22	805	
6	1st Grade Classroom		510	22	800	
Instructional Support				22		
7	1st Grade Storage		508	22	805	Designed as typical classroom
2nd Grade						
Classrooms				44		
8	2nd Grade Classroom	700sf/ 32sf per student	404	22	720	
9	2nd Grade Classroom		409	22	720	
Instructional Support				22		
10	2nd Grade Storage		400	22	705	Designed as typical classroom
3rd Grade						
Classrooms				44		
11	3rd Grade Classroom	700sf/ 32sf per student	407	22	810	
12	3rd Grade Classroom		408	22	800	
4th Grade						
Classrooms				44		
13	4th Grade Classroom	700sf/ 32sf per student	305	22	725	
14	4th Grade Classroom		310	22	725	
5th Grade						
Classrooms				50		
15	5th Grade Classroom	700sf/ 28sf per student	307	25	725	
16	5th Grade Classroom		308	25	725	
SPECIAL PROGRAM SPACES				242		
Labs						
	Computer Lab	900sf/ 25sf per student	300	25	917	Typ. Pull-out

Marble Falls ISD - Capacity Program						
Spicewood ES		Existing Program				
2017-2018 Student Enrollment - 220		TEA Minimums (S.F)	Existing room #	Max Capacity (TEA-Instruct. Spaces)	Area per space (S.F.)	Remarks
Specialized Instruction				66		
	GT Classroom	700sf/ 32sf per student	403	22	905	Typ. Pull-out
17	Think Tank	700sf/ 32sf per student	516	22	910	Designed as typical classroom
	Science Lab	800sf/ 36sf per student	313	20	725	Typ. Pull-out
18	ASC	700sf/ 32sf per student	301	22	725	Designed as typical classroom
19	Community Classroom	700sf/ 32sf per student	405	22	800	Designed as typical classroom
Special Education						
Resource				132		
20	ELA/SS	700sf/ 32sf per student	406	22	810	Designed as typical classroom
	Resource Classroom	400/40sf per Student	414	18	725	Typ. Pull-out
21	Literacy Classroom	700sf/ 32sf per student	413	22	725	Designed as typical classroom
22	Literacy Library	700sf/ 32sf per student	515	22	920	Designed as typical classroom
23	Content Mastery	700sf/ 32sf per student	401	22	720	Designed as typical classroom
	Speech Therapy/LSSP/Diag	400/40sf per Student	416	8	350	Typ. Pull-out
	Instructional Coach	400/40sf per Student	415	8	350	Typ. Pull-out
24	Reading Intervention	700sf/ 32sf per student	402	22	720	Designed as typical classroom
25	Math Lab	700sf/ 32sf per student	312	22	725	Designed as typical classroom
Behavioral Intervention				22		
26	Sensory room	400/40sf per Student	309	22	725	Designed as typical classroom
Fine Arts						
Music				22		
	Music Room	800sf/ 36sf per student	502	22	910	Typ. Pull-out
27	Music Storage	700sf/ 32sf per student	503	22	915	Designed as typical classroom
Visual Arts						
	Art Classroom	800sf/ 36sf per student	314	22	820	Typ. Pull-out
CORE SPACES				n/a		
Library						
	Library	see TEA chart	111	319	2,275	
Cafeteria						
Dining & Queing						
	Dining Area	n/a	200	246	3,700	15sf /Student
PHYSICAL EDUCATION				n/a		
Gyms						
	Gym - PE (Activity Room)	3000	Gym	44	5,000	1 Boys/1 Girls per period

Marble Falls ISD - Capacity Program						
Spicewood ES		Existing Program				
2017-2018 Student Enrollment - 220		TEA Minimums (S.F)	Existing room #	Max Capacity (TEA-Instruct. Spaces)	Area per space (S.F.)	Remarks
MAIN ADMINISTRATION				78		
Administrative Spaces				66		
28	Counselor's Office	n/a	507	22	800	Designed as typical classroom
29	9	n/a	306	22	725	Designed as typical classroom
30	Sheriff's Office	n/a	302	22	725	Designed as typical classroom
Custodial				12		
31	Main Custodial	400/40sf per Student	500	12	800	Designed as PPCD (12 max)
Capacity Totals				678		

MARBLE FALLS MIDDLE SCHOOL





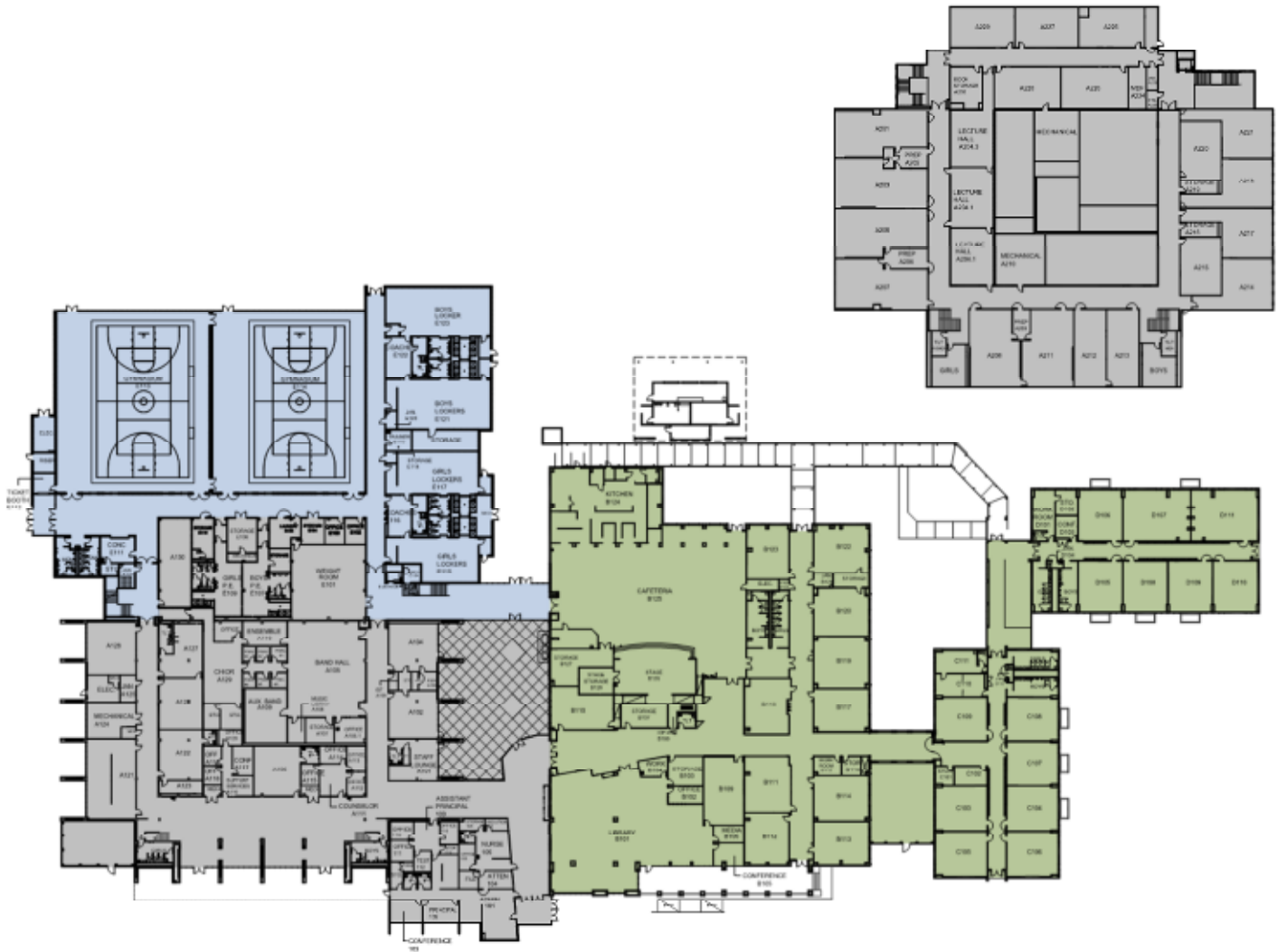
MARBLE FALLS MIDDLE SCHOOL
1151 Pony Drive
Marble Falls, Texas 78654

Year Built (additions/renovations)	1967 (1968,1988,1998,2008)
Approximate Total Square Footage	118,763
Grades Served	6 th – 8 th
Functional Capacity	287
Total Student Enrollment (students in portables)	889 (XX)





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

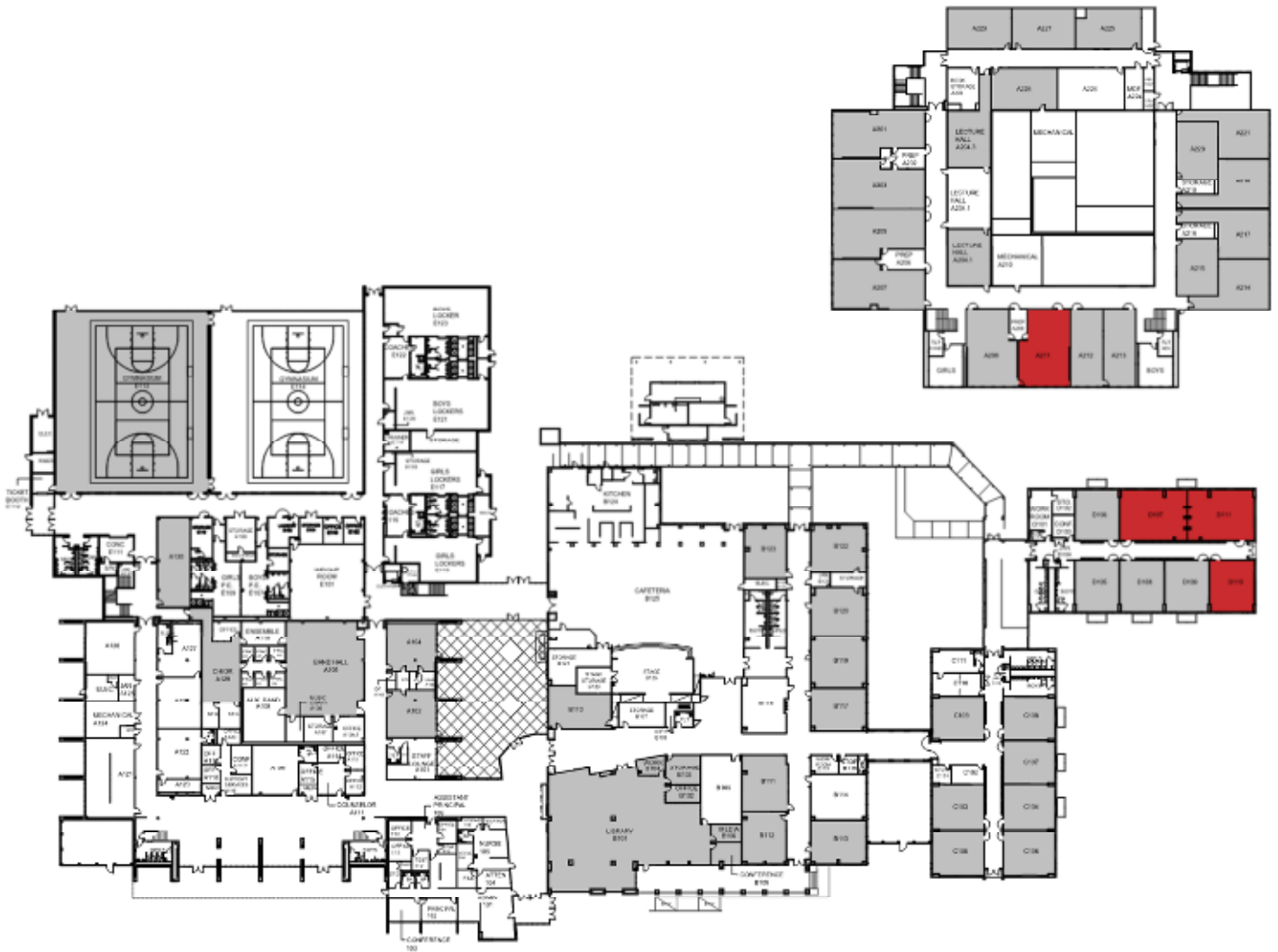


COLOR LEGEND	
	1967 – Original Building / 2010 Renovations
	1998 – Addition
	2008 – Addition



COLOR LEGEND

- Instructional Capacity
- Core Capacity
- X Support Space/Not Calculated



COLOR LEGEND

- Compliant with TEA
- Not Compliant with TEA
- No TEA/Best Practices Requirement

Marble Falls ISD - Capacity Program						
Marble Falls Middle School		Existing Program				
2017-2018 Student Enrollment - 964		TEA Minimums	Existing room #	Max Capacity (TEA-Instruct. Spaces)	Area per space (S.F.)	Remarks
INSTRUCTIONAL SPACES				852		
English						
Classrooms				250		
1	English	700sf/ 28sf per student	A212	25	805	
2	English		A213	25	805	
3	English		A214	25	805	
4	English		A215	25	750	
5	English		A217	25	805	
6	English		B119	25	805	
7	English		B120	25	750	
8	English		B122	25	805	
9	English		D108	25	725	
10	English		D109	25	725	
Math						
Classrooms				200		
11	Math	700sf/ 28sf per student	A227	25	790	
12	Math		A228	25	790	
13	Math		A229	25	790	
14	Math		B111	25	820	
15	Math		B113	25	760	
16	Math		C107	25	710	
17	Math		C108	25	710	
18	Math		C109	25	710	
Social Studies						
Classrooms				225		
19	Social Studies	700sf/ 28sf per student	A218	25	805	
20	Social Studies		A220	25	755	
21	Social Studies		A221	25	800	
22	Social Studies		C103	25	700	
23	Social Studies		C104	25	700	
24	Social Studies		C105	25	710	
25	Social Studies		C106	25	710	
26	Social Studies		D105	25	710	
27	Social Studies		D106	25	710	
Science						
Labs				177		
28	Science Lab	1200sf/50sf per student	A201	24	1,275	
29	Science Lab		A203	24	1,275	
30	Science Lab		A207	24	1,275	
31	Science Lab		A208	24	1,275	
32	Science Lab		A211	23	1,180	
33	Science Lab		D107	22	1,100	
34	Science Lab		D110	14	720	
35	Science Lab		D111	22	1,100	

Marble Falls ISD - Capacity Program						
Marble Falls Middle School		Existing Program				
2017-2018 Student Enrollment - 964		TEA Minimums	Existing room #	Max Capacity (TEA-Instruct. Spaces)	Area per space (S.F.)	Remarks
SPECIAL PROGRAM SPACES				511		
Electives				125		
36	Audio/Visual Classroom	700sf/ 28sf per student	A204.3	25	780	
	Audio/Visual Production Lab	700sf/ 28sf per student	A204.2	25	823	Pull-out space for AV Classroom
37	Speech	700sf/ 28sf per student	A204.1	25	760	
38	Multimedia/Theater	700sf/ 28sf per student	B109	25	865	
39	Multimedia/GT Explorations	700sf/ 28sf per student	B109	25	865	
40	HS C3	700sf/ 28sf per student	A226	25	853	
Special Education						
Resource				100		
41	ELAR Inclusion	700sf/ 28sf per student	B112	25	712	
42	ELAR Inclusion	700sf/ 28sf per student	A225	25	790	
43	ELA	700sf/ 28sf per student	A126	25	710	
	Dislexia	400/ 40sf per Student	C110/C111	17	715	Pull-out
44	Content Mastery	400/ 40sf per Student	A121	25	1,235	
	Content Mastery	400/ 40sf per Student	B118	19	760	Pull-out
	Reading Intervention	400/ 40sf per Student	D102	4	180	Pull-out
	Reading Intervention	400/ 40sf per Student	D103	4	160	Pull-out
	Instructional Coach	400/ 40sf per Student	B114	20	805	Pull-out
Life Skills				36		
45	Life Skills	400/ 40sf per Student	A128	12	825	12 Max typ.
46	Life Skills	400/ 40sf per Student	A126	12	710	12 Max typ.
47	Life Skills	400/ 40sf per Student	A127	12	585	12 Max typ.
Behavioral Intervention						
	BEST	400/ 40sf per Student	A122	17	705	Pull-out
	BSI "ISS"	400/ 40sf per Student	A106	18	745	Pull-out
Fine Arts						
Band/Percussion				100		
48	Band Hall	700sf/ 28sf per student	A105	100	2,315	4 Teachers per period
Choir				50		
49	Choir Hall	700sf/ 28sf per student	A129	25	710	
50	Choir Hall	700sf/ 28sf per student	A130	25	890	
Visual Arts				75		
51	Art Classroom	700sf/ 28sf per student	A102	25	750	
52	Art Classroom	700sf/ 28sf per student	A104	25	740	
53	Art Classroom	700sf/ 28sf per student	A205	25	1,270	
Theater Arts				25		
54	Theater Arts Classroom / Lab	700sf/ 28sf per student	B110	25	780	
CORE SPACES				n/a		
Library						
	Library	see TEA chart	B101	1533	6,100	Pull-out Space

Marble Falls ISD - Capacity Program						
Marble Falls Middle School		Existing Program				
2017-2018 Student Enrollment - 964		TEA Minimums	Existing room #	Max Capacity (TEA-Instruct. Spaces)	Area per space (S.F.)	Remarks
Cafeteria						
Dining & Queing						
	Dining Area	n/a	B125	467	7,000	15sf / Student
PHYSICAL EDUCATION				100		
Gyms				100		
55	Gym - Competition (84 ft court)	4,800 sf	E113	50	8,750	2 Girls per period
56	Gym - Practice (84 ft court)	n/a	E114	50	8,750	2 Boys per period
General Athletics Amenities						
	Weight Room	n/a	E101	n/a	1,780	Pull-out Space
Max Capacity				1,463		

Master Schedule		MARBLE FALLS MIDDLE SCHOOL								Utilization Analysis
2017-18 School Year		Class Period								Utilization avg/8
Staff	Room	1	2	3	4	5	6	7	8	
WINK	A102	7 ART	7 ART	7 ART	CONFERENCE	7 ART	ADVISORY	7 ART	7 ART	7/8
HATCH	A104	6 ART	6 ART	6 ART	CONFERENCE	7 ART	ADVISORY	6 ART	6 ART	7/8
BEHRENS	A105	BAND TRUMPET 6	CONCERT BAND	HS	HS	HS	N/A	BAND PERC 6	HS	1/8
SINDE	A105	BAND TRUMPET 6	HS	HS	HS	HS	N/A	JAZZ	HS	1/4
BUSHEY-REYES	A105	LOW BRASS 6	CONCERT BAND	ASST.	HS	HS	N/A	JAZZ	SAXAPHONE 6	5/8
FAHNLE	A105	CLARINETS 6	ASST.	SYMPHONIC BAND	HS	HS	N/A	HORNS 6	FLUTES/OBOE 6	5/8
BLACKINGTON	A121	HS STUDENT LEAD	HS PRO COMM	HS PRO COMM	HS PRO COMM	HS PRO COMM	ADVISORY	CONFERENCE	HS	3/4
GARZA R. / CONTRERAS	A126/127	LIFE SKILLS	LIFE SKILLS	LIFE SKILLS	LIFE SKILLS	LIFE SKILLS	N/A	LIFE SKILLS	LIFE SKILLS	7/8
DOEFLER/ SEALS	A126/127	LIFE SKILLS	LIFE SKILLS	LIFE SKILLS	LIFE SKILLS	LIFE SKILLS	N/A	LIFE SKILLS	LIFE SKILLS	7/8
CHEW	A129	BOYS CHOIR 6	MENS CHOIR	ADV MENS CHOIR	CONFERENCE	6 GIRLS CHOIR	ADVISORY	V WOMENS CHOIR	7 WOMENS CHOIR	7/8
VOTOLATO	A130	BOYS CHOIR 6	MENS CHOIR	6 GIRLS CHOIR	CONFERENCE	6 GIRLS CHOIR	ADVISORY	8 WOMENS CHOIR	7 WOMENS CHOIR	7/8
DESPAIN	A201	8 SCI	8 SCI	CONFERENCE	8 SCI	8 SCI	ADVISORY	8 SCI I	8 SCI	7/8
JETT	A202/204	MULTIMEDIA PROD	MULTIMEDIA PROD	MULTIMEDIA PROD	CONFERENCE	MULTIMEDIA PROD	ADVISORY	MULTIMEDIA PROD	MULTIMEDIA PROD	7/8
HAMMOND	A203	8 SCI I	UIL COORDINATOR	CONFERENCE	8 SCI	8 PAP SCI	ADVISORY	8 PAP SCI	8 PAP SCI	3/4
OLFERS	A205	HS ART I	HS ART I	HS ART I	CONFERENCE	8 MS ART	ADVISORY	HS ART I	MS 8 ART	7/8
GROCE	A207	7 PAP SCI	7SCI I	CONFERENCE	7 SCI	7 SCI	ADVISORY	7 PAP SCI	7 PAP SCI	7/8
EDWARDS	A208	8 PAP SCI	7 SCI	CONFERENCE	8 PAP SCI	8 PAP SCI	ADVISORY	7 SCI	7 SCI I	7/8
SILVA	A211	7 BOYS ATHLETICS	7SCI	CONFERENCE	7 PAP SCI	7 PAP SCI	ADVISORY	7 SCI	8 BOYS ATHLETICS	5/8
WAGENFUHR	A212	CONFERENCE	7 ELL	8 ELL	6 ELL	7 ELL	ADVISORY	8 ELL	6 ELL	7/8
WERNER	A213	CONFERENCE	7/8 ELA E	6 ELL	6 ELL	6 ELL	ADVISORY	6 ELA E	6 ELL	7/8
LAZOS	A214	ELA 8	ELA 8	ELA 7	ELA 7	CONFERENCE	ADVISORY	ELA 8	ELA 7	7/8
WALKER	A215	ELA 8	ELA 8 I	ELA 8	ELA 8 I	CONFERENCE	ADVISORY	ELA 8	8 GIRLS ATHLETICS	3/4
GURGANUS	A217	PAP ELA 8	PAP ELA 8	PAP ELA 8	ELA 7	CONFERENCE	ADVISORY	PAP ELA 8	ELA 7 I	7/8
TAYLOR	A218	7 TX HIST I + L	CONFERENCE	8 HIST	8 HIST	8 HIST I	ADVISORY	8 HIST	7 TX HIST	7/8
GRIFFIN	A220	7 BOYS ATHLETICS	CONFERENCE	8 HIST	8 HIST	8 HIST	ADVISORY	8 HIST I	8 BOYS ATHLETICS	5/8
ROWLAND	A221	8 PAP US HIST	CONFERENCE	8 PAP US HIST	8 PAP US HIST	8 PAP US HIST	ADVISORY	8 PAP US HIST	8 HIST	7/8
OBERMEYER	A225	8 MATH INCL	8 MATH INCL	8 MATH INCL	8 MATH RES	7 MATH INCL	ADVISORY	CONFERENCE	6 MATH E INCL	7/8
AMENI	A226	HS	HS C3	HS C3	HS C3	HS C3	ADVISORY	CONFERENCE	HS	5/8
GAGE	A227	ALGEBRA I	ALGEBRA I	ALGEBRA I	MATH 8	ALGEBRA I	ADVISORY	CONFERENCE	MATH 8	7/8
CULPIN	A228	MATH 8 I	MATH 8	MATH 8 I	PAP MATH 7	PAP MATH 7	ADVISORY	CONFERENCE	PAP MATH 7	7/8
JOHNSON	A229	7 GIRLS ATHLETICS	MATH 8 I	MATH 8 I	MATH 8	MATH 8	ADVISORY	CONFERENCE	8 GIRLS ATHLETICS	5/8
FONTENOT	B109	MULTIMEDIA I	MS THEATER I	MULTIMEDIA I	CONFERENCE	MS THEATER I	ADVISORY	MULTIMEDIA I	MULTIMEDIA I	7/8
JACKSON	B110	HS THEATER ARTS I	7 DRAMA	7 DRAMA	CONFERENCE	HS THEATER ARTS I	ADVISORY	7 DRAMA	MS THEATER I	7/8
NORMAN	B111	MATH 7	MATH 7	MATH 7	MATH 7	MATH 7	ADVISORY	CONFERENCE	MATH 7	7/8
COCHRAN/DAHL	B112	6/8 ELAR INCL	7/8 ELAR INCL	7/8 ELAR RES	7/8 ELAR INCL	CONFERENCE	ADVISORY	6 ELAR RES	6/7 ELAR INCL	7/8
GARZA K.	B113	MATH LAB 7	MATH 7	MATH 7 I	MATH LAB 6	MATH 7 I	ADVISORY	CONFERENCE	MATH LAB 7	7/8
TODESCO	B117	7 GIRLS ATHLETICS	MULTIMEDIA I	MULTIMEDIA I	CONFERENCE	MULTIMEDIA I	ADVISORY	GT EXPLORATIONS	8 GIRLS ATHLETICS	5/8
RODGERS	B119	READING LAB 8	READING LAB	READING LAB 6	READING LAB 7	CONFERENCE	ADVISORY	READING LAB 6	READING LAB 7	7/8
CORLEY	B120	ELA 8	PAP ELA 7	PAP ELA 7	PAP ELA 7	CONFERENCE	ADVISORY	ELA 8	PAP ELA 7	7/8
KORCE	B122	ELA 6	ELA 7 I	ELA 7	ELA 7 I	CONFERENCE	ADVISORY	ELA 7	ELA 6	7/8
WOOLLEY	C103	7 BOYS ATHLETICS	CONFERENCE	7 TX HIST	7 TX HIST	7 TX HIST	ADVISORY	7 TX HIST	8 BOYS ATHLETICS	5/8
VILLARREAL	C104	7 GIRLS ATHLETICS	CONFERENCE	6 SS I	6 SS	6 SS	ADVISORY	6 SS	8 GIRLS ATHLETICS	5/8
HENSLEY	C105	HS	CONFERENCE	7 TX HIST	LUNCH DUTY	7 TX HIST	ADVISORY	7 TX HIST	HS	1/2
BENDAS	C106	HS	CONFERENCE	7 PAP TX HIST	7 PAP TX HIST	7 PAP TX HIST	ADVISORY	7 PAP TX HIST	HS	5/8
WEIS	C107	PAP MATH 6	PAP MATH 6	MATH 6	MATH 6	MATH 6	ADVISORY	CONFERENCE	MATH 6 I	7/8
CANALES	C108	HS	PAP MATH 7	PAPA MATH 7	PAP MATH 6	PAP MATH 6	ADVISORY	CONFERENCE	HS	5/8
MANDEL	C109	MATH 6	MATH 6	MATH E 6	PAP MATH 6	MATH 6	ADVISORY	CONFERENCE	MATH E 6 I	7/8
POWELL J.	D105	7 BOYS ATHLETICS	CONFERENCE	6 SS	6 SS	6 SS	ADVISORY	6 SS	8 BOYS ATHLETICS	5/8
SCHWARTZ	D106	6 SS	CONFERENCE	6 SS	6 SS	6 SS	ADVISORY	6 SS	6 SS I	7/8
DUGGINS	D107	6 SCI	6 SCI	CONFERENCE	6 SCI I	6 SCI	ADVISORY	6 SCI	6 SCI	7/8
SULTEMEIR	D108	ELA 6	ELA 6	PAP ELA 6	ELA 6	CONFERENCE	ADVISORY	PAP ELA 6	ELA 6	7/8
RIPLEY	D109	PAP ELA 6	PAP ELA 6	ELA 6	ELA 6	CONFERENCE	ADVISORY	ELA 6	ELA 6	7/8
HEATH	D110	7 BOYS ATHLETICS	6SCI	CONFERENCE	6 SCI	6 GIRLS PE	ADVISORY	6 BOYS PE	8 BOYS ATHLETICS	3/8
THOMPSON	D111	6 SCI	6SCI	CONFERENCE	6 SCI	6 SCI I	ADVISORY	6 SCI	6 SCI	7/8
CLARK/GONZALEZ	E113	7 GIRLS ATHLETICS	6 G PRE-ATH/6 G PE	6 GIRLS PRE-ATH	6 G PRE-ATH/7 G PE	CONFERENCE	ADVISORY	7/8 GIRLS PE	8 GIRLS ATHLETICS	5/8
GRAHAM/MCDOWELL	E114	7 BOYS ATHLETICS	6 BOYS PRE-ATH	6 B PRE-ATH/6 B PE	6 B PRE-ATH/7 B PE	CONFERENCE	ADVISORY	CONFERENCE	8 BOYS ATHLETICS	1/2
LONG	A128	HS SPANISH I	HS SPANISH I	CONFERENCE	HS SPANISH I	HS SPANISH I	ADVISORY	HS SPANISH I	HS SPANISH I	7/8
Avg.										77%
Planning Periods		2	10	10	9	12	0	15	0	7.3

HUGHES	A226	7 GIRLS ATHLETICS	6 MATH INCL	7 MATH INCL	6 MATH INCL	7 MATH RES	ADVISORY	CONFERENCE	6 MATH INCL	3/4
HOLDEN	A126/127	6 ELA L	INCLUSION	7/8 ELA L	6/8 MATH L	7 MATH L	ADVISORY	CONFERENCE	LIFE SKILLS	7/8

FALLS CAREER HIGH SCHOOL



MARBLE FALLS HIGH SCHOOL





MARBLE FALLS HIGH SCHOOL 2101 Mustang Drive Marble Falls, Texas 78654	
Year Built (additions/renovations)	1984
Approximate Total Square Footage	117,136
Grades Served	9 th – 12 th
Functional Capacity	287
Total Student Enrollment (students in portables)	1,165 (none)





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






COLOR LEGEND

- 1984 – Original Building
- Addition
- Addition



COLOR LEGEND

-  Instructional Capacity
-  Core Capacity
-  Support Space/Not Calculated

Marble Falls ISD - Capacity Program						
Marble Falls High School	Existing Program					
2017-2018 Student Enrollment - 1,174	TEA Minimums	Included in Capacity	Existing room #	Max Capacity (TEA-Instruct. Spaces)	Area per space (S.F.)	Remarks
INSTRUCTIONAL SPACES				1094		
English						
Classrooms		Y		302		
1 English	700sf/ 28sf per student		123	25	825	
2 English			203	21	596	
3 English			207	21	596	
4 English			208	23	655	
5 English			209	24	677	
6 English			210	25	735	
7 English			211	24	676	
8 English			212	25	753	
9 English			213	23	666	
10 English			214	25	782	
11 English			407	18	507	
12 English			410	23	667	
13 English			418	25	901	
Math						
Classrooms		Y		221		
14 Math	700sf/ 28sf per student		105	24	685	
15 Math			106	24	672	
16 Math			107	25	710	
17 Math			108	24	680	
18 Math			109	25	701	
19 Math			110	25	697	
20 Math			111	25	714	
21 Math			112	25	711	
22 Math			114	24	691	
Social Studies						
Classrooms		Y		247		
23 Social Studies	700sf/ 28sf per student		204	25	748	
24 Social Studies			205	25	717	
25 Social Studies			206	24	689	
26 Social Studies			313	25	729	
27 Social Studies			314	23	657	
28 Social Studies			413	25	1,277	
29 Social Studies			1001	25	748	
30 Social Studies			1002	25	757	
31 Social Studies			1003	25	735	
32 Social Studies			1004	25	762	
Science						
Labs		Y		225		
33 Science Lab	1400sf/ 58sf per student		120	25	1,348	
34 Science Lab			122	25	1,354	
35 Science Lab			124	25	1,432	
36 Science Lab			402	25	1,295	
37 Science Lab			408	25	1,250	
38 Science Lab			409	25	1,238	
39 Science Lab			413	25	1,277	
40 Science Lab			414	25	1,186	
41 Science Lab			419	25	1,236	

Marble Falls High School							Existing Program									
2017-2018 Student Enrollment - 1,174		TEA Minimums	Included in Capacity	Existing room #	Max Capacity (TEA-Instruct. Spaces)	Area per space (S.F.)	Remarks									
Foreign Language																
Classrooms								Y		99						
42	LOTE	700sf/ 28sf per student		307	25	721										
43	LOTE			308	24	684										
44	LOTE			310	25	702										
45	LOTE			312	25	700										
SPECIAL PROGRAM SPACES										243						
Special Education																
Resource										28						
	Credit Recovery	400/ 40sf per Student	N	918B	13	530									Pull-out	
	Content Mastery	400/ 40sf per Student	N	918A	13	530									Pull-out	
	Reading	400/ 40sf per Student	N	D104	8	340									Pull-out	
46	Applied English	400/ 40sf per Student	Y	411	12	512										
47	Applied Mathematics	400/ 40sf per Student	Y	102	16	672										
Life Skills								Y		40						
48	Life Skills	400/ 40sf per Student		1005	19	780										
49	Life Skills	400/ 40sf per Student		1007	21	845										
Behavioral Intervention								Y								
	BEST	400/ 40sf per Student		305	10	760									Pull-out	
Fine Arts																
Band/Percussion										25						
50	Band Hall	700sf/ 28sf per student	Y	BH	25	1,200										
Choir										25						
51	Choir Hall	700sf/ 28sf per student	Y	603	25	1,160										
Dance								Y		25						
52	Drill/Dance	700sf/ 28sf per student		539	25	1,430										
Visual Arts								Y		50						
53	Art Classroom	700sf/ 28sf per student		311	25	1,090										
54	Art Classroom			601	25	1,015										
Theater Arts										50						
55	Theater Arts Classroom	700sf/ 28sf per student	Y	607	50	1,915									2 Teachers per period	
Auditorium								N								
	Auditorium	n/a		Aud	n/a	9,300									Pull-out	
CAREER & TECHNOLOGY										357						
CTE										357						
56	Business Management/BIM			101	16	655										
57	Enterpreuership			102	16	672										
58	Money Matters			113	25	740										
59	Horticulture			116	25	755										
60	Ag Classroom			118	25	1,365										
61	Animal/Equine/Hort/Floral CR			704	25	1,045										
62	Child Guidance			424	25	705										
63	Human Services/Tourism			421	25	1,010										

Marble Falls ISD - Capacity Program							
Marble Falls High School		Existing Program					
2017-2018 Student Enrollment - 1,174		TEA Minimums	Included in Capacity	Existing room #	Max Capacity (TEA-Instruct. Spaces)	Area per space (S.F.)	Remarks
CTE		700sf/ 28sf per student			357		
64	AV/Yearbook/Graphic Design			304	25	1,381	
65	AV/Production Lab			117	25	750	Serves as dual classroom/lab
66	EMT/Fam Tech/Child Dev.			309	25	740	
67	H.S./CAN			1008	25	1,560	
68	Construction/Welding/Ag CR			711	25	720	
69	Welding/Construction Tech. CR			715A	25	730	
70	Welding Manufacturing/Eng. CR			715B	25	730	
	Construciton Trades			713	n/a	2,535	Break-out space
	Weld Shop			725	n/a	3,978	Break-out space
	Cut Shop			n/a	n/a	n/a	Break-out space
	Green House			n/a	n/a	n/a	Break-out space
CORE SPACES					n/a		
Library			N				
	Library				1354	5,562	
Cafeteria			N				
Dining & Queing							
	Dining Area					8,114	
PHYSICAL EDUCATION					100		
Gyms					100		
71	Mustang Gym	7000 sf	N	Gym	50	10,668	1 Girls, 1 Boys per period
72	P.E. Gym		Y	Gym	50		
General Athletics Amenities							
	Field House			FH	n/a	n/a	Pull-out
	Weight Room			n/a	n/a	n/a	Pull-out
Max Capacity					1,794		

Master Schedule		MARBLE FALLS HIGH SCHOOL								Utilization Analysis
2017-18 School Year		Class Period								Utilization
Staff	Room	1	2	3	4	5	6	7	8	avg/8
BROOKS	101/118	ATH	BUS. MGMT	BIM	BIM	Lunch Duty	BUS. MGMT	Conference	ATH	5/8
WRIGHT	102	Appl MMA	CO-TEACH	Appl Pre-Alg	CO-TEACH	Appl Geom	Appl Alg	Conference	CO-TEACH	7/8
HOOVER	102/101	ATH	ENTREP	ENTREP	Conference	BUS. MGMT	COOR	ATH	ATH	1/2
HICKINGBOTTOM	104	CHEER	Reading	Reading	Reading	Reading	504 COOR	Conference	504 COOR	1/2
SCHUMACHER	105	ALG 2Q	ALG 2Q	Conference	ALG 2Q	MMA 11	MMA 11	ALG 2Q	ALG 2	7/8
TROPIANO	106	GEOM	Conference	GEOM	GEOM/Inc	GEOM	GEOM	GEOM	GEOM	7/8
FLEMING	107	ALG 2	ALG 2	CP MATH	DC MATH	Conference	CP MATH	ALG 2	ALG 2	7/8
DELEON	108	ATH	GEOM/ GEOM L	PCAL	GEOM/ GEOM L	Conference	PCAL	GEOM/ GEOM L	ATH	5/8
POWERS, R.	109	ATH	Odyssey	Conference	GEOM	GEOM	ALG 1 CR/ MMA	ALG 1 CR/ MMA	ALG 1 CR/ MMA	5/8
DITTBERNER	110	PCAL	PCAL Q	AP CALC	Department Head	PCAL	PCAL Q	Conference	PCAL Q	3/4
GRIMSLEY	111	Conference	ALG 1/1 Inc	ALG 2	ALG 1	ALG 2	ALG 2	ALG 1	ALG 1/1 Inc	7/8
SUAREZ	112	ALG 1 / ALG 1 L	ALG 1	ALG 1	ALG 1	ALG 1 / ALG 1 L	ALG 1	ALG 1 / ALG 1 L	Conference	3/4
WHITTON	113	Conference	MONEY MATTERS	MONEY MATTERS	MONEY MATTERS	MONEY MATTERS	ACCOUNT	MONEY MATTERS	MONEY MATTERS	7/8
TAYLOR, J	114	GEOM Q	STATS	STATS	AP STAT	STATS	Conference	GEOM Q	GEOM Q	7/8
RICHTER	116	ATH	DUTY	PALS	C3/C3	C3/C3	C3/C3	Conference	ATH	1/2
CHESNUT	116/118	GREEN-HOUSE	GREEN-HOUSE	Conference	HORTI-CULTURE					3/8
GUILLEN	117	Conference	PRIN OF AV	AV PROD 1	AV PROD 2	PROD LAB	AV PRAC	AV PRAC	PRIN OF AV	7/8
WENZEL	118	LIVESTOCK	LIVESTOCK	Conference	MFMS	MFMS	TRAVEL	EQUINE/SM AN.	LIVESTOCK	5/8
MINOR, K	120	BIO	BIO/ BIOL	BIO/ BIOL	Department Head	A & P	A & P	BIO/ BIOL	Conference	3/4
BUTLER, S	122	BIO	BIO	BIO	BIO	Conference	BIO	BIO	BIO	7/8
ROACH, S.	123	PC/PC	DEB 1	DEB 2-4	PC/PC	PC/PC	PC/PC	Conference	PC/PC	7/8
BISHOP, M	124	BIO Q	Conference	AP BIO	MICRO	BIO Q	AP BIO	BIO Q	BIO Q	7/8
BELK	204	ATH	WG	WG / WG L	WG / WG L	Conference	WG	COOR	ATH	5/8
BROWN, J.	205	ATH	EOC/ GOVT	GOVT/ ECO	EOC/ GOVT	GOVT/ ECO	GOVT/ ECO	Conference	ATH	5/8
SUTTON	206	WH	AP WH	DCUS	AP WH	AP WH	WH	DCUS	Conference	3/4
THOMPSON	207	ENG 2	ENG 2	ENG 2/2 Inc	ENG 4	Conference	ENG 2	ENG 4	ENG 2	7/8
MCLEOD	208	ENG 2Q	Conference	ENG 2Q	Department Head	ENG 2Q	AP ENG 4	ENG 2Q	Odyssey	5/8
KUNKEL	209	ENG 4	ENG 3	ENG 3	ENG 3	Conference	ENG 3	ENG 4	ENG 3	7/8
BUTLER, B	210	ENG 3/3L	ENG 3	ENG 1Q	ENG 1Q	ENG 3/3L	ENG 1Q	ENG 3	Conference	7/8
BERKMAN, L	211	CHEER	AP ENG 3	DC ENG (3/4)	DC ENG (3/4)	DC ENG (3/4)	DC ENG 4 (2)	AP ENG 3	Conference	7/8
ANDERS	212	ENG 4	ENG 4/4L	ENG 4	Conference	CP ENG 4	CP ENG 4	CP ENG 4	ENG 4	7/8
MEYER	213	ENG 1	Conference	ENG 1/1 Inc	ENG 1	ENG 2	ENG 2/2 Inc	ENG 2	ENG 1	7/8
PORCHE	214	ATH	ENG 1/1 Inc	ENG 1	Conference	ENG 1	ENG 1/1 Inc	ENG 1	ATH	5/8
GRUMET	304	PRIN. OF AV	YEARBOOK 1	Conference	GRAPHIC DESIGN	GRAPHIC DESIGN	YEARBOOK 2/3	YEARBOOK 1	YEARBOOK 1	7/8
MCINTYRE	305	BEST	BEST	BEST	BEST	Conference	BEST	BEST	BEST	7/8
TARA	307	ASL 2	ASL 2	ASL 2	ASL 1	Conference	ASL 1	ASL 2	ASL 1	7/8
MARTIN	308	SP 2	SP 2	SP 2Q	SP 2	SP 2	SP 2	SP 2Q	Conference	7/8
STEVENSON	309/100	EMT	EMT	CHILD DEVELOP	CHILD DEVELOP	PHARM TECH	PRIN OF H.S.	Conference	PRIN OF H.S.	7/8
DICKEY	309/100	PRIN OF H.S.	COOR	H.S./CNA	H.S./CNA	PRIN OF H.S.	Conference	H.S./CNA	H.S./CNA	3/4
CORTEZ	310	SP 3	Conference	SP 3	Department Head	AP SP 5/ SP 6	AP SP 4	SP 3Q	SP 3	3/4
DEPEW	311	ART 2 Combo	ART 2 Combo	ART 1	ART 2 Combo	ART 2 Combo	ART 1	Conference	ATH	7/8
BROOKE	312	SP 2	SP 2	SP 1	SP 1	SP 2	SP 1	Conference	SP 1	7/8
POWERS, T.	313	ATH	AP US	US	Conference	AP US	AP US	US	ATH	5/8
GRAHAM	314	ATH	US	COOR	Department Head	Conference	US	US	ATH	3/8
ALLEN, N	402	CHEM Q	CHEM Q	AP CHEM	Conference	PATHO	CHEM Q	CHEM Q	CHEM Q	7/8
HAIRSTON	407	US Topic	ESL 1	ESL 1	LANGAQ	LANGAQ	ESL 2	US Topic	Conference	7/8
JOHNSON, S	408	ATH	Conference	IPC/ IPC L	Odyssey	IPC	IPC/ IPC L	ATH	ATH	5/8
SAVAGE	409	FOREN	CHEM	CHEM	FOREN	Conference	FOREN	FOREN	ATH	7/8
CHRISTENSEN	410	Conference	ENG 1/1L	ENG 2	ENG 1/1L	ENG 2	ENG 2/2L	ENG 2/2L	ENG 1	7/8
HUGHES	411	Appl Eng 3	CO-TEACH	CO-TEACH	Appl Eng 4	Appl Eng 2	CO-TEACH	Appl Eng 1	Conference	7/8
HEIMANN	413	Conference	CHEM	CHEM	CHEM	CHEM	CHEM	CHEM	ATH	7/8
HINOJOSA	414	PHYSIC	AP PHYS	AP PHYS	PHYSIC	PHYSIC	Conference	PHYSIC	PHYSIC	7/8
REED	418	LPAC	LPAC	LANGAQ	COOR	Conference	LANGAQ	LANGAQ	LANGAQ	3/4
MINOR, P	419	AP ENV	ENV	CHEM	AP ENV	CHEM / CHEM L	ENV	Conference	CHEM / CHEM L	7/8
LAZOS, R	421	HUMAN SERVICES	HUMAN SERVICES	Conference	HOSP & TOURISM	CAREER PREP	HOSP & TOURISM	HUMAN SERVICES	CP COOR	3/4
DYER	424	CHILD GUID/CG2	CHILD GUID/CG2	CHILD GUIDANCE	CHILD GUIDANCE	Conference	CHILD DEVELOP	CHILD DEVELOP	CHILD DEVELOP	7/8
GILPIN	539	DRILL TEAM JV	DAN 1/ PEA	DAN 1/ PEA	Conference	DAN 2 - 4	DAN 2 - 4	DAN 1/ PE DT OFF	DRILL TEAM V	7/8
LOCKWOOD	601	Conference	ART 3/4 DR	ART 3/4 DR	ART 3/4 CR	ART 2 CR	AP ART STUDIO	ART 2 CR	ART 3/4 CR	7/8
EVANS	603	C. MEN	CHORALE	ACAPPELLA	SHOW - DEC	CHAMBER	SHOW - ENCORE	C. WOMEN	Conference	7/8
GAGE	603	C. MEN	CHORALE	ACAPPELLA	SHOW - DEC	CHAMBER	SHOW - ENCORE	C. WOMEN	Conference	7/8
CLARK/WADE	607	Conference	TH 1	TH 2/3	TH 1	TH 2/3	PROD V/JV Tech	PROD V/JV Tech	Tech V	7/8
STRATTON	704	ADV ANIMAL	ADV ANIMAL	HORTI-CULTURE	EQUINE/SMAN	ADV PLANT	Conference	FLORAL	VET TECH/PRAC	7/8
VENGHAUS	711	PRIN. OF CONST	PRIN. OF CONST	INTRO WELD	AG DESIGN	AG DESIGN	AG DESIGN	Conference	PRIN. OF CONST	7/8
ALEXANDER	714	APPLIED ENG	ENG. DES 1/PROB	APPLIED WELD	ENG DES AERO	APPLIED ENG	Conference	ROBOTICS	APPLIED ENG	7/8
RED	715 A	INTRO WELD	INTRO WELD	CONST. TECH 1	CONST. TECH 1	INTRO WELD	Conference	CONST. PRAC	CONST. PRAC	7/8
REMPE	715 B	WELD 2	WELD 2	PRINC. OF MANU	PRINC. OF MANU	Conference	WELD 2	WELD 2	PRACT	7/8
HARTUNG	901B	TRANS	TRANS	VAC	LIFE SKILLS	Conference	VAC	VAC	VAC	7/8
PATTERSON	916	AP/ADV COMP PR	INFO TECH	Conference	COMP. MAINT.	INFO TECH	COMPUTER PROG.	CS PRACT	COMP SCI PRACT	7/8
HEATH	1001	AP HG	AP HG	WG	AP HG	WG	Conference	WG	WG	7/8
MUNGER	1002	ATH	WH	Conference	AP GOVT/ AP ECO	ECO/ GOVT	ECO/ GOVT	WH	ATH	5/8
MAXWELL	1003	ATH	US / US L	US / US L	US	US	Conference	WH	ATH	5/8
COOK, C.	1004	ATH	WH / WH L	Odyssey	COOR	Conference	WH	WH	ATH	3/8
REICHENBACH	1004/20	ATH	COOR	PSY/SOC	Conference	PSY/SOC	Odyssey	PSY/SOC	ATH	1/2
KINMAN	1005	LIFE SKILLS	LIFE SKILLS	LIFE SKILLS	LIFE SKILLS	LIFE SKILLS	Conference	LIFE SKILLS	LIFE SKILLS	7/8
SADLER, F	1007	LIFE SKILLS	LIFE SKILLS	LIFE SKILLS	LIFE SKILLS	LIFE SKILLS	Conference	LIFE SKILLS	LIFE SKILLS	7/8
BEHRENS	BH	AP MUS	MFMS	MFMS	MFMS	BAND	COOR	Conference	Jazz Band	3/8
SINDE	BH	MFMS	MFMS	MFMS	MFMS	BAND	Conference	COOR	Jazz Band	3/8
BAILEY	GYM	ATH	PE	Conference	COOR	PE	PE	PE	ATH	1/2
WITHROW	GYM	ATH	PE	Conference	COOR	PE	PE	PE	ATH	1/2
VIRDELL	OC	TRANS	TRANS	TRANS	Conference	TRANS	TRANS	TRANS	TRANS	7/8
Avg.										77%
Conference Periods		7	6	10	8	13	13	13	10	10.0

ED SPECS



Educational Specifications

Marble Falls ISD 2018

Huckabee

TABLE OF CONTENTS

Preamble **3**

Acknowledgments **4**

Section 1

 Elementary School **5-24**

Section 2

 Middle School **25-52**

Section 3

 High School **53-95**

PREAMBLE

The following represents the Educational Specifications (Ed Specs) for Marble Falls ISD as the guiding document, in accordance with 19 TAC Chapter 61 Subchapter CC Commissioners Rules Concerning School Facilities, for all proposed new school facilities or major renovations within the District.

Each grade level campus is described herein expressing the learning environments required to house the necessary curriculum established by the District.

As noted in the acknowledgement page, a cross-section of personnel, which included teachers, campus and District staff, participated in the development of the Ed Spec.

The Ed Spec contains the following information to be utilized by District personnel and design professionals in the development of new or major renovated facilities:

1. Instructional Programs, Grade Configuration and Type of Facility
2. Spatial Relationships
3. Number of Students per Campus Type and Room
4. Specialized Classrooms, Major Support Areas, and Non-Instructional Support Areas
5. School Administration Organization
6. Hours of Operation
7. Safety of Students and Staff
8. Furniture, Fixtures and Equipment (FFE)
9. Other Provisions

The Ed Spec should be reviewed and modified as the District progresses, and educational delivery methods evolve.

The signature of the Superintendent of Schools represents that this original document has been approved, dated August 2018.

Signature

ACKNOWLEDGMENTS

We would like to acknowledge the following individuals and groups for their contribution to this document:

Marble Falls Independent School District

Board of Trustees

Kevin Naumann, Board President
Karl Westerman, Board Vice President
Lee Ann Johnson, Board Secretary
Larry Berkman, Board Member
Gary Boshears, Board Member
Alex Payson, Board Member
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Educational Specifications

Marble Falls ISD 2018

Elementary School

Huckabee

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CAMPUS OVERVIEW

GENERAL INFORMATION

Estimated Budget	[\$]
Number of Total Students	650
School Administration Organization	1 Principal 2 Assistant Principals 1 Office Administrative Assistant 2 Receptionists 1 Registrar 1 Attendance Secretary 1 Licensed Vocational Nurse 1 Counselor 1 Licensed Specialist in School Psychology 1 Behavioral Specialist
Hours of Operation: <i>(Including the instructional day, extracurricular activities and any public access or use)</i>	Instructional Day: 7:45 AM – 3:15 PM Tutoring, Special Programs, Meetings: After school or Early release Summer Programs: Varies as needed

NON-INSTRUCTIONAL SUPPORT AREAS

Restrooms	All restrooms will be located on accessible routes in compliance with state standards. Pre-K – 1 st : Restrooms will be located in each classroom. 2 nd – 5 th : Restrooms will be centrally located in the classroom wings. Teacher: Restrooms will be located near the multi-purpose rooms/areas or near the student multi-user restrooms. Additional restrooms will be located in the hallway adjacent to the gymnasium/cafetorium.
Driveways/Parking	Separate parent and bus drop-off/pick up loops; Staff and visitor parking spaces; Delivery and service drive.
Play Area	1 full court, 1 half court, 3 playground areas – (1) Pre-K & K, (1) 1 st & 2 nd , (1) 3 rd -5 th , 1 play field with surrounding walk path (5 to 8 feet wide; crushed granite with concrete borders).

SECURITY OF FACILITY:

The design of a building should not compromise the safety of the building but, to optimize opportunities for natural surveillance and access control. The following criteria was developed by the Texas School Safety Center and C.P.T.E.D. shall be considered in all design/security decisions:

1. **Surveillance:**
 - a. Security Cameras: Cameras should be provided in main hallways and in public use spaces as well as all exterior doors. Additional cameras should be provided on a case-by-case basis.
2. **Access Control:** Control points should be provided at selected exterior doors, door alarms at other doors that do not have access control.
3. **Fire and Security Systems:** Per MFISD Tech Spec
4. **Landscaping:** Per MFISD Tech Spec
5. **Traffic and Parking Control:** Automobile and bus driveways should be separate. Staff and visitor parking will be provided to meet the needs of the campus. Overflow parking should be provided if feasible. Approximately five staff parking spaces should be located in very close proximity to the service entrance of the kitchen along a well-lit path.

ADMINISTRATION

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Principal's Office	250		
Assistant Principal Office (2)	175		
Office Administrative Assistant	150		
Registrar	150		
Counselor Suite			
Counselor Office	150		
Licensed Specialist in School Psychology (LSSP)	150		
Admission Review Dismissal Room	150		
ARD Conference Room	225		
Records Room	150		
Large Conference Room	270		
Small Conference Room	150		2-3
General Storage	150		
Shared-use Storage (Principal & Administrative Assistant)	80		
Restrooms (2)	80		
Custodian	50		

Function

Administrative functions including:

- Student enrollment
- Student discipline
- Attendance records
- Testing storage / protocols
- Student records storage
- General storage

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<p><u>Student Records:</u></p> <ul style="list-style-type: none"> • Infrastructure for phone, power, and data <p><u>Conference Room:</u></p> <ul style="list-style-type: none"> • TV monitor per MFISD tech specs, rough in • 8' markerboard or writable wall surface 	<p><u>Offices:</u></p> <ul style="list-style-type: none"> • Desks • Chairs • File cabinets • Metal shelving • Copiers/printers 	<p>Lockdown protocols and procedures</p>

Location and Adjacencies	Adjacency Diagram
<p>The administration area will be immediately accessible from reception and main hallway. (Level 1 Adjacency)</p> <p>Assistant Principal offices will be near to the Principal but will not have direct access.</p> <p>Administrative Assistant will have direct access to the Principal.</p> <p>Registrar office opens to reception for receptionist escape.</p> <p>Counselor Suite will have access to main corridor and Office Admin.</p> <p>Restrooms – Single user type for adults, handicap accessible, adjacent to reception area for public use.</p>	

CLINIC

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Clinic	300		
Office	150		
Isolation Room	100		1
Restroom with shower	80		
Storage	50		

Function

- Medical attention for students and staff
- Storage and administration of medications

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<p><u>Clinic:</u></p> <ul style="list-style-type: none"> • Curtains and track • Millwork with ADA sink 	<p><u>Clinic:</u></p> <ul style="list-style-type: none"> • Cots (4) <p><u>Office:</u></p> <ul style="list-style-type: none"> • Guest chairs (5), task chair, workstation technology • Desk • Refrigerator (under counter) • Mobile medical cart 	<p>Glazing will be provided in doors for visual connection between main hall and clinic area and the lobby and clinic area.</p>

Location and Adjacencies	Adjacency Diagram
<p>The clinic will be immediately accessible from reception and main hallway. (Level 1 Adjacency)</p>	

ADMINISTRATION DESIGN LAB

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Design Lab	900		
Restroom (2)	80		

Function

- Administration preparations
- Administration lunch/break area

Architect-Specified Items

- Power for vending machines
- Refrigerator
- Microwave
- Power/data for equipment use around countertops
- Millwork for materials storage, with sink
- Mailboxes, 1 slot for each staff member

Owner Purchased Furniture, Fixtures & Equipment (FF&E)

- Lounge/flexible seating
- Conference table and chairs
- Copier/fax/printer(s)
- Misc. equipment (i.e., laminator)

Safety and Security Provisions

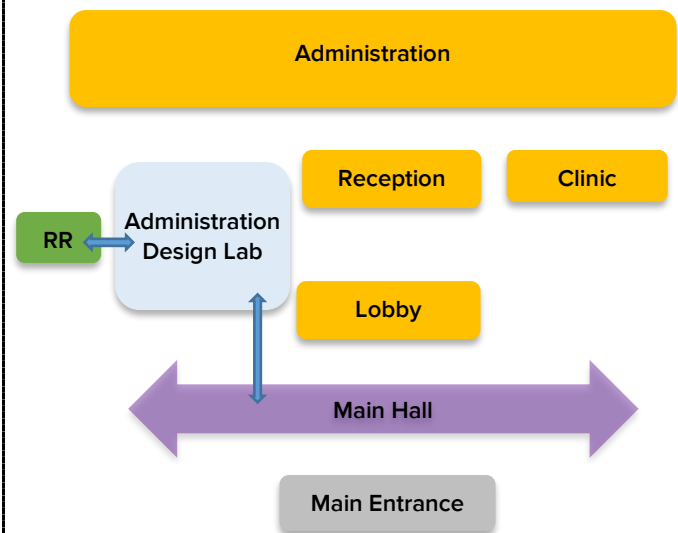
N/A

Location and Adjacencies

The Administration Design Lab will be located in relation to the following:

- Immediately accessible to main hall (Level 1 Adjacency)
- Adjacent to or within Administration
- Separated from the main entrance

Adjacency Diagram



TEACHER DESIGN LAB

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Design Lab (7)	900		Per Design
Restroom (1 per Lab)	80		

- Kitchenette, lounge, and conference areas to be shared between 2 grade level Teacher Design Labs

Function

Administrative functions including:

- Teacher preparations
- PTO/parent volunteer preparations
- Teacher lunch/break area

Architect-Specified Items

- Power/data for equipment use around countertops
- Millwork for materials storage
- Writable wall surfaces

Owner Purchased Furniture, Fixtures & Equipment (FF&E)

- Flexible seating
- Conference table & chairs
- Copier/printer(s)
- Misc. equipment (i.e., laminator)
- Teacher work stations & personal storage units
- Refrigerator
- Microwave

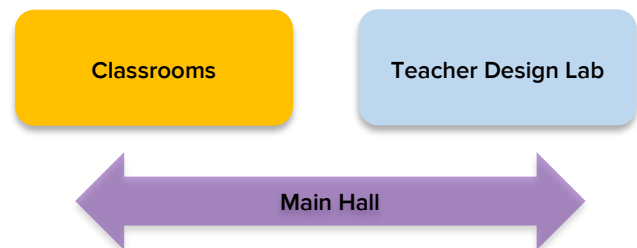
Safety and Security Provisions

N/A

Location and Adjacencies

- The Teacher Design Labs will be located in relation to the following:
 - Immediately accessible to main hall (Level 1 Adjacency)
 - Near Instructional areas (Level 2 Adjacency)
 - Separated from the main entrance
 - PE, Art, and Music to be grouped together in a Design Lab.

Adjacency Diagram



MAIN ENTRANCE

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
(Controlled Vestibule)	100		
Reception	450		

Function
<ul style="list-style-type: none"> Welcome guests Visitor check-in/check-out Waiting area

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> Millwork with 2 knee spaces Lockable storage Display case 	<ul style="list-style-type: none"> Task chairs Hi/lo desk(s) Workstation technology Waiting area chairs & tables Raptor Visitor Management System 	Controlled vestibule with lockdown protocols.

Location and Adjacencies	Adjacency Diagram
The main entrance will be immediately accessible from the controlled vestibule and clinic. (Level 1 Adjacency)	

PRE-K, KINDERGARTEN, & 1ST GRADE CLASSROOMS

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Classrooms (2 Pre-K, 5-K, & 5-1 st)	800	36 sf/student	22
Restroom (1 per classroom)	60		
Grade Level Storage (3)	100		
Collaboration Areas (2)	800		

Function

The room will be made up of “Learning Centers” focused on:

- Exploration
- Socialization
- Small group and individual instructional activity
- Gross motor skill activity
- Dramatic play
- Talk/share/listen/sing activities

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> • White boards on 2 walls or writable wall surface • Millwork with ADA sink in each classroom and collaboration space • Acoustic wall treatment (hallways and between rooms) • Moveable wall between every other classroom • Mobile TV monitor; cast/project to TV monitor • No fixed computer stations in classrooms 	<ul style="list-style-type: none"> • 1 Digital Interactive Surface • 22 “Cubbies” or mobile storage • 4 mobile bookshelves • Tables/seating that allow for multiple student arrangements • Alternative furnishings • 1 Teacher workstation/seating and wardrobe unit • Mobile personal storage spaces • Mobile instructional technology • Workstation technology • Charging station in each Collaboration Space 	<p>Door hardware that provides the capability of locking the door from within the classroom</p> <p>Glazing between the classroom and the hallway with blinds that can be shut during lockdown.</p>

Location and Adjacencies	Adjacency Diagram
<p>The Pre-K, Kindergarten, & 1st grade classrooms and supporting spaces will be located in relation to the following:</p> <ul style="list-style-type: none"> • Immediately accessible from the main hall (Level 1 Adjacency) • Near the main entrance (Level 2 Adjacency) • Intentionally separated from the louder areas such as cafetorium and gymnasium (No Adjacency) • Pre-K room would be ½ day attendance and be similar to Kindergarten rooms. • Pre-K, Kindergarten, and 1st grade classrooms provided with restroom accessible from classroom. 	<p>The diagram shows three interconnected spaces. At the top is a light blue rounded rectangle labeled 'Pre-K-1st Classroom'. To its left is another light blue rounded rectangle labeled 'Collaboration Space'. Below these two is a wide purple double-headed arrow labeled 'Main Hall'. A blue vertical arrow points upwards from the 'Main Hall' area towards the 'Pre-K-1st Classroom'.</p>

2ND-5TH GRADE CLASSROOMS

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
2 nd – 5 th Grade Classroom (5 each)	700	32 sf/student	22
Grade Level Storage (4)	100		
Collaboration (3)	700		

Instructional Delivery

The primary classroom is a flexible learning environment facilitating exploration, socialization, and introduction to various subject/skills, including reading, writing, arithmetic, discussions and presentations. Furniture layouts vary on age group and instructional requirements. Seating should accommodate all of the students in a full group, in smaller groups or working individually, and reconfiguration will often be done by students.

Architect-Specified Items

- 1 or 2 LSC Boards (12') or writable wall surface
- 2 Tackboards (4')
- White boards on 2 walls (possible writable surfaces up to 6')
- Acoustic wall treatment (hallways and between rooms)
- Moveable wall between every other classroom
- Mobile TV monitor; cast/project to TV monitor
- No fixed computer stations in classrooms

Owner Purchased Furniture, Fixtures & Equipment (FF&E)

- 1 Digital Interactive Surface
- 22 “Cubbies” or mobile storage for grades 2-4, 27 for 5th grade.
- 4 mobile bookshelves
- Tables/seating that allow for multiple student arrangements
- Alternative furnishings
- 1 Teacher workstation/seating, & wardrobe unit
- Mobile personal storage spaces
- Mobile instructional technology
- Workstation technology
- Charging station in each Collaboration Space

Safety and Security Provisions

Door hardware that provides the capability of locking the door from within the classroom

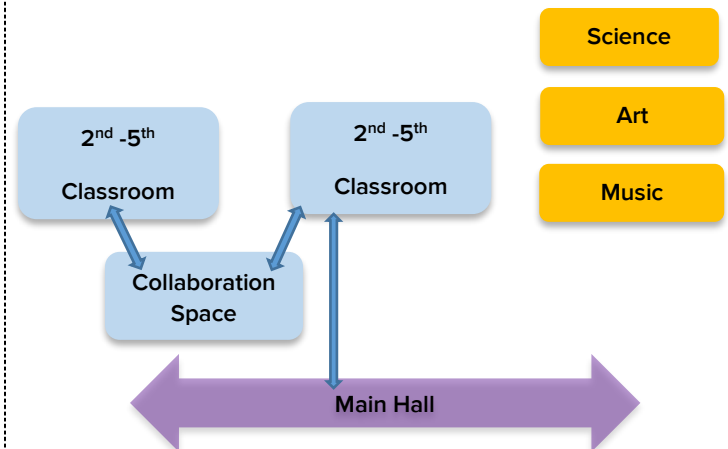
Glazing between the classroom and the hallway with blinds that can be shut during lockdown.

Location and Adjacencies

The 2nd -5th Grade classrooms and supporting spaces will be located in relation to the following:

- Immediately accessible from the main hallway (Level 1 Adjacency)
- Near the specialized instructional areas such as science, art and music (Level 2 Adjacency)
- Intentionally separated from the louder areas such as cafeteria and gymnasium (No Adjacency)

Adjacency Diagram



CAFETORIUM

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Dining	5250	15 sf/student	325-350 dining
Kitchen/Serving (3 lines)	3000		
Manager's Office			
Locker Room & Restroom			
Chair Storage	300		
Stage	900		

Function

Dining: Breakfast and lunch, assemblies, afterschool programs, break-out space for group learning

Kitchen: Food preparation and serving

Stage: Performances, presentations, and guest speakers

Architect-Specified Items

- Projector mount and motorized screen
- Food service equipment, 2-3 serving lines
- Stage lighting and sound system
- Lockers (10)

Owner Purchased Furniture, Fixtures & Equipment (FF&E)

- Dining furniture
 - furniture appropriate for dining and learning
- Stage accessories (i.e. risers)
- Projector
- Manager's office furniture

Safety and Security Provisions

A large amount of glazing should be provided at the dining area. Double doors should be provided to the adjacent interior hallway and directly to the exterior.

The kitchen should be locked outside of serving hours, and exterior lights and security cameras should be provided at the exterior door where deliveries are made.

The safe should be located within the kitchen office.

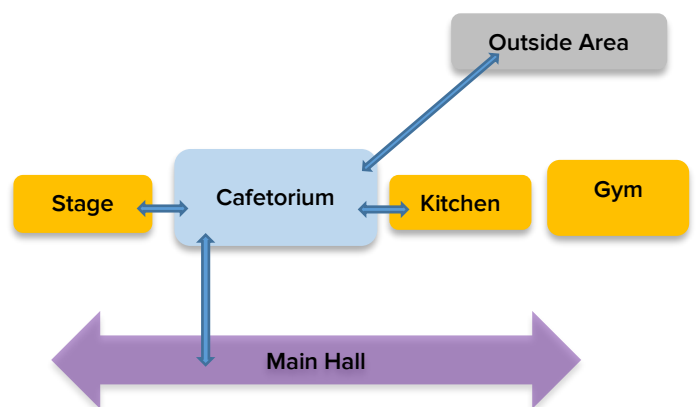
Location and Adjacencies

The cafetorium and supporting areas shall be located in relation to the following:

- Immediately accessible from the main hallway (Level 1 Adjacency) with exterior access
- Near the Music Room (Level 2 Adjacency)
- Intentionally separated from the instructional areas (No Adjacency)
- Cafetorium and gymnasium are connected, but can be separated by moveable wall
- Restroom shared with gymnasium

The cafetorium shall have the ability to be isolated for after-hours use.

Adjacency Diagram



GYMNASIUM

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Gymnasium	7520		Bleacher seating for 300.
Gymnasium Storage	250		
PE Office	150		
Restroom			

Instructional Delivery
Physical Education
Community Use

Architect-Specified Items

- 6 Basketball goals
 - 2 retractable goals
 - 4 collapsible goals
- Court striping for 50'x84' basketball court and volleyball court
- Retractable bleacher seating for 300
- Wall pads
- 2 EWC's in the gymnasium
- Sound system with blue tooth capabilities
- Acoustic Panels
- LED lighting

Owner Purchased Furniture, Fixtures & Equipment (FF&E)

- Projector(s)
- Mobile instructional technology
- P.E. equipment
- Office furniture
- Workstation technology
- Fixed metal shelving in PE office & storage room
- Volleyball standards (2)
- Ropes
- Rock climbing equipment & pads

Safety and Security Provisions

- Exterior lights and cameras
- Access control

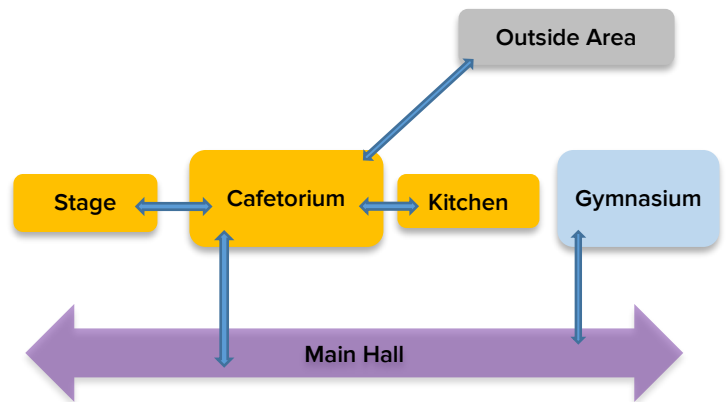
Location and Adjacencies

The gymnasium will be located in relation to the following:

- Immediately accessible from the main hallway (Level 1 Adjacency) with exterior access
- Adjacent to main entrance (Level 1 Adjacency)
- Gymnasium and cafeteria are connected, but can be separated by moveable wall
- Intentionally separated from the instructional areas (No Adjacency)
- Restrooms (possibly) shared with cafeteria

The gymnasium will have the ability to be isolated for after-hours use.

Adjacency Diagram



LIBRARY & MEDIA CENTER

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Library & Media Center	2650		
Workroom	200		
A/V Room	100		
Guided Reading Library	350		
Storage (2)	150		

- Library TEA Calculations - $3000 + (650-500)(3) = 3450$ total square feet required (includes support spaces)
 - based on functional capacity being 650 students

Function

- Students rotate through on a regular basis to learn about literacy, library protocols and obtain other instructional support.
- They will also use the space for individual book check out. Students will work individually, in small groups and as an entire class.
- Reading to the students is also facilitated by the Librarian.
- The library and multi-purpose room also serve as professional developing space for the campus.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> Cabinet with ADA sink in workroom Green screen in A/V room 	<ul style="list-style-type: none"> Library furniture and shelving (i.e. tables, chairs) Alternative furnishings (i.e. soft seating) Computer workstations Mobile devices and other instructional technology T.V. monitors, multiple Circulation desk Charging Station(s) 	<p>A large amount of glazing should be provided at the library. The circulation desk will be centrally located and will face both the main entrance and the main area of the library as for supervision. There should be a single location within the library area which provides a line of sight down each aisle of shelving.</p>

Location and Adjacencies	Adjacency Diagram
<p>The library will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible from the main hall (Level 1 Adjacency) Near the instructional areas (Level 2 Adjacency) Intentionally separated from the louder areas on campus such as music and gymnasium (No Adjacency) Guided Reading Library adjacent to library Library space to be open for instructional space Book shelving at perimeter of room as much as possible (do not take windows to the floor) Preferred northern exposure 	<pre> graph TD Corridor[Corridor] --> ComputerLab[Computer Lab] ComputerLab <--> Library[Library] Library <--> MainHall[Main Hall] MainHall <--> MainHall </pre>

ART

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Art Lab	900	32 sf/student	22
Art Storage	125		

Instructional Delivery

The room is designed to accommodate an art, education program. Activities will include art and painting instruction, crafts, color therapy, digital learning activities and other elementary art exploratory activities and mentoring.

Architect-Specified Items

- 1 LCS Board (12') or writable wall surface
- 4 Tackboards (4')
- 14' Millwork including 2 sinks (1 ADA) with plaster traps

Owner Purchased Furniture, Fixtures & Equipment (FF&E)

- 1 Digital Interactive Surface
- Mobile instructional technology
- 30 "Cubbies" or mobile storage
- Tables/seating that allow for multiple student arrangements
- 1 Teacher workstation/seating and wardrobe unit
- Mobile shelving for project storage

Safety and Security Provisions

Door hardware that provides the capability of locking the door from within the classroom.

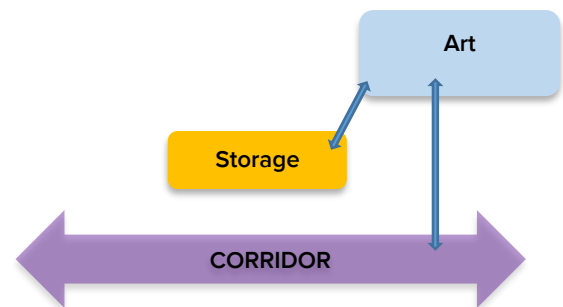
Glazing between the classroom and the hallway with blinds that can be shut during lockdown.

Location and Adjacencies

The art area will be located in relation to the following:

- Immediately accessible to the outdoors with a preferred northern exposure (Level 1 Adjacency)
- Near the instructional areas (Level 2 Adjacency)
- Intentionally separated from quiet spaces on campus (No Adjacency)

Adjacency Diagram



MUSIC

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Music Lab (to include ORFF)	1200	32 sf/student	30
Music Storage	150		
Small Practice Room	100		

Instructional Delivery

Activities for music include singing, playing basic rhythm instruments, reading music, creating music, movement activities, and listening to music.

This room will also be used for teaching instrumental music, if it is part of the program, and for band rehearsal.

Architect-Specified Items

- 2 LCS Board (12')
- 4 Tackboards (4')
- Writable walls, magnetized
- Sound attenuation/acoustics
- In-room sound system

Owner Purchased Furniture, Fixtures & Equipment (FF&E)

- 1 Digital Interactive Surface
- 30 "Cubbies" or mobile storage
- 1 teacher workstation/seating and wardrobe unit
- Workstation technology
- Risers, portable
- Instrument storage cabinets and/or shelving

Safety and Security Provisions

Door hardware that provides the capability of locking the door from within the classroom.

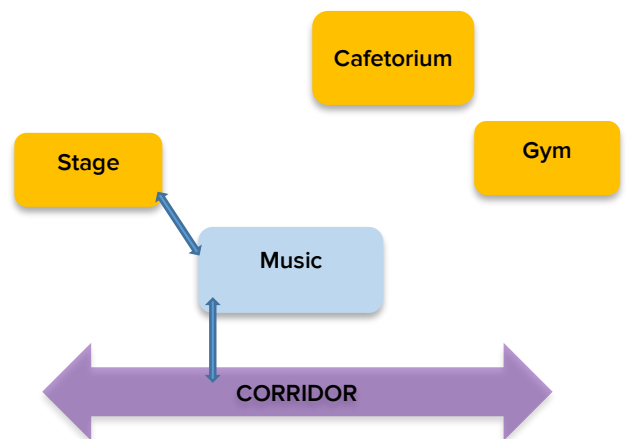
Glazing between the classroom and the hallway with blinds that can be shut during lockdown.

Location and Adjacencies

The music area will be located in relation to the following:

- Immediately accessible from the stage (Level 1 or 2 Adjacency)
- Near other louder areas such as cafeteria and/or gymnasium (Level 2 Adjacency)
- Intentionally separated from the instructional areas and library (no adjacency)

Adjacency Diagram



SPECIAL EDUCATION

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Life Skills and PPCD	1200		
Restroom	150		
Laundry	110		
Resource Classroom (2)	700		12
BEST/Behavior/Speech Therapy	700		
Behavioral Specialist Office	150		
Speech Therapy	400		
Content Mastery	700		
Motor Lab / Sensory Lab	560		
Testing Room	200		

Instructional Delivery
 The rooms will be made up of “Learning Centers” with focused exploration, socialization, small group and individual instructional activity, gross motor skill activity, dramatic play and talk/share/listen/sing activities. Open concept classroom for PPCD.

 These rooms will serve students with special needs who need additional resources to support their learning and growth.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<p><u>Life Skills:</u></p> <ul style="list-style-type: none"> • Millwork with 1 ADA sink • Full kitchen amenities • Acoustic wall treatment • Restroom with changing table/shower; track system for lift • Adjustable L.E.D. Lights, no fluorescent lighting • Covers on all switches and electrical outlets <p><u>PPCD:</u></p> <ul style="list-style-type: none"> • 1 or 2 LCS Board (12') • 2 Tackboards (4') • Millwork with ADA sink • Small kitchenette with undercounter refrigerator and microwave • Security cameras • Acoustic wall treatment • Restroom with changing table/shower; track system for lift • Adjustable L.E.D. Lights, no fluorescent lighting • Covers on all switches and electrical outlets <p><u>BEST/Behavior:</u></p> <ul style="list-style-type: none"> • Acoustic wall treatment and sound attenuation walls and ceiling • Covers on all switches and electrical outlets • Office located within the classroom <p><u>Motor Lab/Sensory Lab:</u></p> <ul style="list-style-type: none"> • Eye Hook mounted to structure for swing • Moveable wall between Life Skills and Motor Lab 	<ul style="list-style-type: none"> • 1 Digital Interactive Surface • “Cubbies” or mobile storage • Mobile bookshelves and storage • Tables/seating that allow for multiple student arrangements • Alternative furnishings • Gross motor skills equipment and wardrobe unit • Mobile instructional technology • Motor lab swing • Sensory equipment • Kitchen equipment (residential) • Laundry equipment (heavy duty residential) • Study cubicles in Behavior Room 	<p>Door hardware that provides the capability of locking the door from within the classroom.</p> <p>Glazing between the classroom and the hallway with blinds that can be shut during lockdown.</p>

SPECIAL EDUCATION (cont.)

Location and Adjacencies	Adjacency Diagram
<p>The special education classrooms and supporting spaces will be located in relation to the following:</p> <ul style="list-style-type: none">• Immediately accessible from the main hallway (Level 1 Adjacency)• Near the instructional areas (Level 2 Adjacency)• Intentionally separated from the louder areas such as cafeteria and gymnasium (No Adjacency)• Laundry and restroom with direct access into life skills room.	<p>The diagram illustrates the spatial relationships between several rooms. At the bottom, a wide purple double-headed arrow represents the 'Main Hall'. Above it, a yellow box labeled 'Life Skills' is connected to the Main Hall by a vertical blue double-headed arrow. To the right of the Life Skills room is a yellow box labeled 'Lab', connected to Life Skills by a horizontal blue double-headed arrow. Above the Life Skills room is a yellow box labeled 'Laundry', connected by a vertical blue double-headed arrow. Above the Lab room is a yellow box labeled 'RR' (Restroom), connected by a vertical blue double-headed arrow. Additionally, a vertical blue double-headed arrow connects the Lab room to the Main Hall.</p>

ADDITIONAL INSTRUCTIONAL ROOMS

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Maker Space	1200	56 sf/student	25
Storage	100		

Instructional Delivery
 The primary classroom is a flexible learning environment facilitating exploration, socialization and introduction to various subjects/skills, including reading, writing, arithmetic, discussions and presentations. Furniture layouts vary on age group and instructional requirements. Seating should accommodate all the students in a full group, in smaller groups or working individually, and reconfiguration will often be done by students.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> 1 or 2 LCS Board (12') or writable wall surface 4 Tackboards (4') 14' Millwork including 2 sinks (1 ADA) with plaster traps 	<ul style="list-style-type: none"> 1 Digital Interactive Surface "Cubbies" or mobile storage Tables/seating that allow for multiple student arrangements 1 Teacher workstation/seating and wardrobe unit Workstation technology Charging Station 	<p>Door hardware that provides the capability of locking the door from within the classroom.</p> <p>Glazing between the classroom and the hallway with blinds that can be shut during lockdown.</p>

Location and Adjacencies	Adjacency Diagram
<p>The additional instructional area will be located in relation to the following:</p> <ul style="list-style-type: none"> Maker space adjacent to library with direct access to the library and corridor. 	

RESTROOMS

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Student Restroom	250		
General Restroom	250		
Staff Restroom	65		

Function
Provide restroom and hand-washing functions for students, staff, and visitors of all ages.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> • Toilet partitions • Mirrors • Toilet accessories 	<ul style="list-style-type: none"> • OFCI toilet accessories 	<ul style="list-style-type: none"> • Mirrors in appropriate locations • Minimize blind corners to minimize potential conflicts • Hotel function door hardware at staff restrooms

Location and Adjacencies	Adjacency Diagram
<p>The student and staff restrooms will be located in relation to the following:</p> <ul style="list-style-type: none"> • Immediately accessible from the instructional areas (Level 1 Adjacency). <p>The general restrooms will be located in relation to the following:</p> <ul style="list-style-type: none"> • Immediately accessible from the core areas (Level 1 Adjacency) and available for use when only that area is accessible to the public. 	<p>The diagram illustrates the spatial relationships between restrooms and other school areas. It features two rows of elements. The top row consists of a green box labeled 'Staff/Student Restroom' on the left and a yellow box labeled 'Instructional Areas' on the right. The bottom row consists of a green box labeled 'General Restrooms' on the left and a yellow box labeled 'Core Areas' on the right. Two large purple double-headed arrows, each labeled 'CORRIDOR', connect the restrooms to the instructional/core areas. A blue arrow points from the 'Staff/Student Restroom' box down to the top 'CORRIDOR' arrow. Another blue arrow points from the 'General Restrooms' box down to the bottom 'CORRIDOR' arrow.</p>

MECHANICAL, ELECTRICAL, TECHNOLOGY, CUSTODIAL

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Mechanical	Per design		
Electrical	Per design		
Technology	Per design		
Custodial	Per design		

Function
 These spaces support the operations of the building, including heating/cooling, lighting, technology use as well as facility cleaning and maintenance.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<p><u>Mechanical:</u></p> <ul style="list-style-type: none"> All equipment <p><u>Electrical:</u></p> <ul style="list-style-type: none"> All panels and equipment <p><u>Custodial:</u></p> <ul style="list-style-type: none"> Mop sink 	<ul style="list-style-type: none"> Miscellaneous equipment Server racks Custodian mop racks & shelving 	<p>Each of these spaces will not have glazing and will be keyed to allow access for only those staff members who need access to perform their assigned duties.</p>

Location and Adjacencies	Adjacency Diagram
<p>The support spaces will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible from the main hall (Level 1 Adjacency) Scattered around the building to provide efficiency and maximize performance 	<p>The diagram illustrates the adjacency of support spaces to the main hall. A blue rounded rectangle at the top contains the text 'Mechanical', 'Electrical', 'Technology', and 'Custodial'. A blue arrow points vertically upwards from the bottom center of this box to a purple double-headed arrow labeled 'Main Hall'.</p>

Educational Specifications

Marble Falls ISD 2018

Middle School

Huckabee

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CAMPUS OVERVIEW

GENERAL INFORMATION

Estimated Budget	[\$]
Number of Total Students	1200
School Administration Organization	1 Principal 3 Assistant Principals 4 Secretaries 1 Receptionists 1 Registrar 1 Attendance Secretary 1 Licensed Vocational Nurse 3 Counselors 1 Licensed Specialist in School Psychology 1 Behavioral Specialist 1 School Resource Officer
Hours of Operation: <i>(Including the instructional day, extracurricular activities and any public access or use)</i>	Instructional Day: 8:10 AM – 3:45 PM Tutoring, Special Programs, Meetings: Varies as needed Summer Programs: Varies as needed

NON-INSTRUCTIONAL SUPPORT AREAS

Restrooms	All restrooms will be located on accessible routes in compliance with state standards. Student restrooms will be easily accessible or in the classroom wing. Teacher restrooms shall be located near the multi-purpose rooms/areas. One unisex restroom shall be provided; lockable doors; one stall partition. Adult restrooms shall be located near the multi-purpose rooms/areas, including cafetorium. Additional, larger, restrooms shall be located in the hallway adjacent to the gymnasium, cafetorium, and arts areas.
Driveways/Parking	Per city requirements
Non-Structural Physical Education Spaces	

SECURITY OF FACILITY:

The design of a building should not compromise the safety of the building but optimize opportunities for natural surveillance and access control. The following criteria was developed by the Texas School Safety Center and C.P.T.E.D., and shall be considered in all design/security decisions:

1. **Surveillance:**
 - a. Security Cameras: Cameras should be provided in main hallways and in public use spaces as well as all exterior doors. Additional cameras should be provided on a case-by-case basis.
2. **Access Control:** Control points should be provided at all exterior doors.
3. **Fire and Security Systems:** Per MFISD Tech Spec
4. **Landscaping:** Per MFISD Tech Spec
5. **Traffic and Parking Control:** Automobile and bus driveways should be separate. Staff and visitor parking will be provided to meet the needs of the campus. Overflow parking should be provided if feasible. Approximately five staff parking spaces should be located in very close proximity to the service entrance of the kitchen along a well-lit path.

ADMINISTRATION

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Principal's Office	225		
Principal's Secretary	165		
Assistant Principal Office (3)	200		
Assistant Principal Secretary (3)	150		
Assistant Principal Storage	70		
Counselor Office (3)	175		
Counselor Secretary	150		
Counselor Conference Room	285		
Registrar	230		
School Resource Officer	185		
Flex Office (2)	140		
Records Room	200		
Conference Room	250		
Workroom	540		
General Storage	150		
Restrooms (2)	60		
Custodian	50		

Function
 Administrative functions including:

- Student enrollment
- Student discipline
- Testing storage / protocols
- Student records storage
- General storage

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<p><u>Records Room:</u></p> <ul style="list-style-type: none"> • Infrastructure for phone, power, and data <p><u>Counselor Offices:</u></p> <ul style="list-style-type: none"> • Acoustic wall treatment <p><u>Conference Rooms:</u></p> <ul style="list-style-type: none"> • TV mount • Markerboard 	<p><u>Offices:</u></p> <ul style="list-style-type: none"> • Desks • Chairs • File cabinets <p><u>Storage:</u></p> <ul style="list-style-type: none"> • Fixed metal shelving <p><u>Principal's Secretary:</u></p> <ul style="list-style-type: none"> • Safe 	<p>Lockdown protocols and procedures</p>

ADMINISTRATION (cont.)

Location and Adjacencies	Adjacency Diagram
<p>The administration area will be immediately accessible from the lobby and clinic. (Level 1 Adjacency)</p> <ul style="list-style-type: none"> Principal’s office shall be located near the front of the main administration area, have direct access to principal’s secretary, and have access to a path of egress. Assistant Principals shall have direct access to both reception and main hallway without passing by the Principal. Shall be a direct path from reception to counselors through administration area. School Resource Officer to be located near Assistant Principals, with exterior access. Registrar shall be located between reception and counselors, with direct access to records room. 	

CLINIC

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Clinic	400		
Office	100		
Isolation Room	100		1
Storage	75		
Restroom	80		
Shower Room, roll-in	80		

Function

- Medical attention for students and staff
- Storage and administration of medications

Architect-Specified Items

Clinic:

- Curtains and track
- Millwork with one knee space, ADA sink
- Power/data port for sign-in terminal

Office:

- Lockable storage

Owner Purchased Furniture, Fixtures & Equipment (FF&E)

Clinic:

- Refrigerator (under counter)
- Ice Maker (under counter)
- Computer sign-in terminal
- (4) Cots
- (5) Guest chairs

Office:

- Desk
- Task and guest chairs
- Workstation technology

Storage:

- (3) vertical 4 drawer cabinets

Safety and Security Provisions

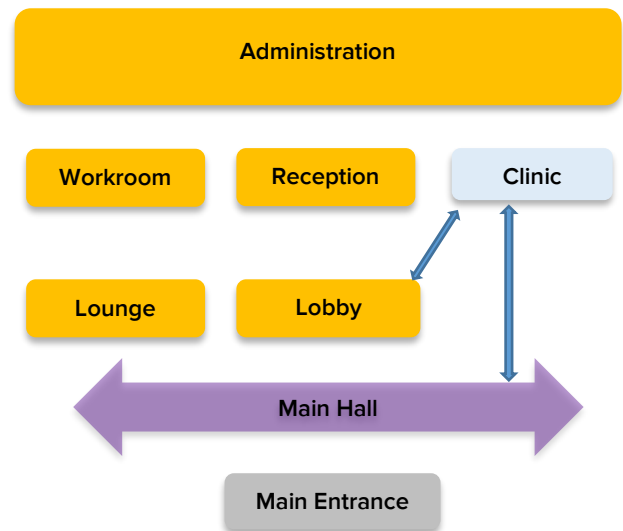
Glazing will be provided in doors for visual connection between main hall and clinic area and the lobby and clinic area.

Location and Adjacencies

The clinic will be immediately accessible from the lobby and main hallway. (Level 1 Adjacency)

Shower room accessible from the clinic and main hallway.

Adjacency Diagram



LOUNGE & WORKROOM

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Lounge & Workroom	750		
Restroom (2)	80		

Function
<ul style="list-style-type: none"> Administrative/Teacher preparations Administrative/Teacher lunch/break area PTO/parent volunteer preparations

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> Power for vending machines Refrigerator Microwave Power/data for equipment use around countertops Millwork for materials storage Mailboxes, 1 slot for each staff member 	<ul style="list-style-type: none"> Lounge/flexible seating Conference table and chairs Copier/fax/printer(s) Misc. equipment (i.e., laminator) 	N/A

Location and Adjacencies	Adjacency Diagram
<p>The Lounge & Workroom will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible to main hall (Level 1 Adjacency) Adjacent to Administration Separated from the main entrance 	<p>The diagram shows a vertical stack of spaces: Administration (yellow), Reception (yellow), and Clinic (yellow) at the top; Workroom (blue) and Lounge (blue) in the middle; and Lobby (yellow) at the bottom of the stack. A large purple double-headed arrow labeled 'Main Hall' is positioned below the Lobby. A grey box labeled 'Main Entrance' is at the very bottom. Blue double-headed arrows connect Administration to Reception, Reception to Lobby, and Reception to Clinic. A blue arrow points from the Main Hall up to the Lobby.</p>

MAIN ENTRANCE

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Controlled Vestibule (Lobby)	300		
Reception	500		
Attendance	150		

Function
<ul style="list-style-type: none"> Welcome guests Visitor check-in/check-out Waiting area Attendance records

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<p><u>Reception/Attendance:</u></p> <ul style="list-style-type: none"> Millwork with 2 knee spaces Lockable storage 	<p><u>Reception/Attendance:</u></p> <ul style="list-style-type: none"> Task chairs Workstation technology Waiting area chairs and tables Open shelving (for items left for students) 	<p>Controlled vestibule with lockdown protocols.</p>

Location and Adjacencies	Adjacency Diagram
<p>The main entrance will be immediately accessible from the controlled vestibule (lobby) and clinic. (Level 1 Adjacency)</p>	

CLASSROOM

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Classrooms (40)	730	28 sf/student	25
Science Lab/Lecture (10)	1200	55 sf/student	24
Prep Room	480	10 sf/student	
Student Collaboration	1000		
Grade Level Storage Rooms (2)	250		

Instructional Delivery

The primary classroom/lab is a flexible learning environment facilitating exploration, socialization and development of various skills including collaboration, critical thinking, and public speaking. Seating should accommodate a variety of layouts, and reconfiguration will often be done by students. Teacher planning/collaboration areas provide a professional work environment while promoting collaboration between grade levels and subject areas.

Architect-Specified Items

- 2 LCS Board (12') or writable wall surface
- 2 Tackboards (4')
- Utilities in labs based on curriculum needs
- Folding partition between classrooms & science labs where requested.
- Science Lab equipment tables with acid resistant tops & all plumbing fixtures & fume hoods

Owner Purchased Furniture, Fixtures & Equipment (FF&E)

- 1 Digital Interactive Surface
- Tables/seating that allow for multiple student arrangements
- Alternative furnishings
- 1 Teacher workstation/seating and wardrobe unit
- Mobile instructional technology
- Workstation technology
- Charging Stations

Safety and Security Provisions

Door hardware that provides the capability of locking the door from within the classroom.

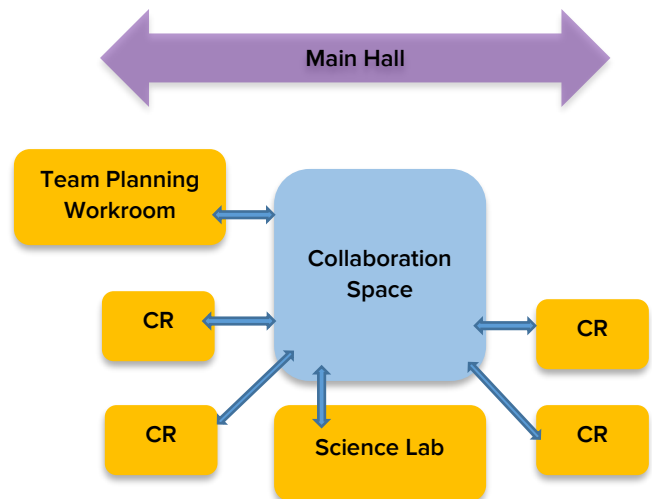
Glazing between the classroom and the hallway with blinds that can be shut during lockdown.

Location and Adjacencies

The classrooms, labs and supporting areas will be located in relation to the following:

- Immediately accessible from the main hallway (Level 1 Adjacency)
- Near the specialized instructional areas such as art (Level 2 Adjacency)
- Intentionally separated from the louder areas such as cafeteria, gymnasiums, performing arts and Career & Technical Education (No Adjacency)
- Classrooms grouped by grade level.

Adjacency Diagram



CAFETORIUM

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Dining	6000	15 sf/student	400 dining, 700 to 750 in chairs only
Kitchen/Serving (3 lines)	3300		
Staff Office			
Restroom			
Chair Storage	350		
Stage	2000		

Function

Dining: Breakfast and lunch, overflow place for athletic or fine arts rehearsals

Kitchen: Food preparation and serving

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> Motorized screen Food service equipment Sound system, with recording capabilities for stage Lighting system for stage Black flooring for stage Ceiling and/or wall acoustical treatment(s) Pipe grid at 4' on center at stage 	<ul style="list-style-type: none"> Misc. loose kitchen equipment Dining furniture – appropriate to both dining and group learning Projector 	<p>Double doors should be provided to the adjacent interior hallway and directly to the exterior. Outdoor seating may be provided but should have direct visual access from the dining area for supervision.</p> <p>The kitchen should be locked outside of serving hours. Exterior lights and security cameras should be provided at the exterior door where deliveries are made.</p>

Location and Adjacencies	Adjacency Diagram
<p>The cafeteria and kitchen will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible from the main hallway (Level 1 Adjacency) Acoustically separated from the instructional areas (No Adjacency) <p>The cafeteria should have the ability to be isolated for after-hours use.</p>	<pre> graph LR Kitchen[Kitchen] <--> Cafetorium[Cafetorium] Cafetorium <--> Stage[Stage] Stage --- FineArts[Fine Arts] MainHall[Main Hall] <--> Cafetorium </pre>

GYMNASIA

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Primary Gymnasium	15000		1000
Secondary Gymnasium (2)	8200		334
Storage below seating	As available		

Instructional Delivery
 Boys and Girls Athletics
 Physical Education
 Pep Rallies
 Athletic Tournaments
 Community Use

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<p><u>Primary Gymnasium:</u></p> <ul style="list-style-type: none"> Electrically retractable basketball goals (6) Volleyball inserts (6) Basketball court 50' x 94' Volleyball, 1 main and 2 cross courts Wall pads Fixed bleacher seating for 1000 Scoreboard, opposite from home bleachers <p><u>Secondary Gymnasium:</u></p> <ul style="list-style-type: none"> Electrically retractable basketball goals (6) Volleyball inserts (6) Basketball court 50'x94' Volleyball, 1 main and 2 cross courts Wall pads Fixed bleacher seating – 6 rows Scoreboard, opposite from bleachers 	<ul style="list-style-type: none"> Athletic Equipment P.E. Equipment 	<ul style="list-style-type: none"> Exterior lights and cameras Access control

Location and Adjacencies	Adjacency Diagram
<p>The gymnasium will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible from the main hallway (Level 1 Adjacency) with exterior access Near the main entrance (Level 2 Adjacency) Intentionally separated from the instructional areas (No Adjacency). <p>The primary gymnasium will have the ability to be isolated for after-hours use.</p>	<p>The diagram shows a blue box labeled 'Gymnasium' connected by a blue arrow to a grey box labeled 'Outside Area'. A yellow box labeled 'Cafeteria' is positioned to the right of the gymnasium. A large purple double-headed arrow labeled 'Main Hall' is at the bottom, with a blue arrow pointing up to the gymnasium, indicating its accessibility from the main hallway.</p>

LIBRARY & MEDIA LAB

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Library	5100	Designed per TEA standards for 1200 student campus	
Media Lab	900		
Office/Workroom/Storage	500		
Media Storage	500		

Instructional Delivery
 Students use the library for research, collaboration, group project work and instructional support.

Students will also have access to the library before and after school for gathering, socializing and personal reading and work.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> Digital monitors, multiple Infrastructure in the media lab and library to facilitate curriculum Built in speakers in the learning area 	<ul style="list-style-type: none"> Library furniture (i.e., tables, chairs, shelving, circulation desk) <ul style="list-style-type: none"> Furniture appropriate to large and small group and individual learning Alternative furnishings (i.e., soft seating) Mobile devices and other instructional technology Projector Charging stations 	<p>A large amount of glazing should be provided at the library. The circulation desk will face both the main entrance and the main area of the library for supervision. There should be a single location within the library area which provides a line of sight to all areas.</p> <p>Visual access should be provided between the library, and media lab.</p>

Location and Adjacencies	Adjacency Diagram
<p>The library will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible from the main hallway (Level 1 Adjacency) Near the instructional areas (Level 2 Adjacency) Intentionally separated from gymnasias and performing arts (No Adjacency) Locate Library & Media Lab as central as possible to the academic areas. Library & Media Lab may be integrated into one space 	

ART

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Art Lab (2)	1100	48 sf/student	25
Kiln Room	120		
Art Storage Room (3)	120		
3D Artwork Storage (1)			
General Art Storage (2)			
Outdoor Courtyard	900		

Instructional Delivery
 Objectives include discover ideas for art in personal experiences, transform ideas to create art, work with media to make art, perceive, describe, interpret and evaluate works of art. The overall outcome for all students will be the development of a life-long interest and appreciation of art & art techniques. Student work will include 2-D and 3-D projects, demonstrations and instruction, researching art history, inter-relating core courses along with unified arts.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> LCS Board (12") or writable wall surface 4 Tackboards (4') inside Art Labs Provide Tackboard or tack strips in corridor for artwork display 14' Millwork including 3 sinks (1 ADA) with plaster traps, vertical poster storage, and horizontal portfolio storage. Millwork for printer and printing supplies (per TEKS, must not be on counter by sinks) All electrical outlets to be on dedicated circuits 	<ul style="list-style-type: none"> 1 Digital Interactive Surface Tables/seating that allow for multiple student arrangements 1 Teacher workstation/seating and wardrobe unit Workstation technology Art equipment and supplies Digital media hardware and software Mobile instructional technology Fixed metal shelving Kiln Glass/shelved display for 3D artwork Printer 	<p>Door hardware capable of locking the door from within the classroom.</p> <p>Glazing between the classroom and the hallway with blinds that can be shut during lockdown.</p>

Location and Adjacencies	Adjacency Diagram
<p>The art area will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible to the outdoors with a preferred northern exposure via large windows (Level 1 Adjacency) Near the instructional areas (Level 2 Adjacency) 	

BAND

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Band Hall	3500	35	100
Jazz Ensemble/Auxiliary Band Hall	1750		50
Office Suite	400		3
Music Library	150		
Percussion/Piano Practice Room			
Percussion/Piano Storage Room			
Practice Room (10 – shared with Choir)	60		
Ensemble room (2)	300		
Instrument Repair Room	80		
General Storage	225		

Instructional Delivery
 Objectives include teaching instrumental students all year, teaching general music students (short terms), performances by all groups above, and community assemblies.

Activities include individual and group rehearsals, composing and arranging instrumental music with keyboards, small group instructions/sectionals, repair of instruments and after-school activities.

Architect-Specified Items

- (2-4) LCS Boards (12') or writable wall surfaces, 1-2 per Band Hall
- (8) Tackboards (4'), 4 per Band Hall
- Instrument storage cabinets and/or shelving
- Ceiling and/or wall acoustical treatment(s)
- Tile flooring (VCT, sound absorbing, or concrete)
- Sound conditioned practice rooms
- Min. 4' wide single door to exterior
- Cabinet with large sink in Instrument Repair Room
- (2) In room sound systems with recording capabilities, 1 per Band Hall
- Trophy shelf
- Drinking fountain (in Band Hall)

Owner Purchased Furniture, Fixtures & Equipment (FF&E)

- (2) Digital interactive surfaces, 1 per Band Hall
- (3) Teacher workstations/seating
- Workstation technology
- Mobile instructional technology
- Student chairs
- Music stands
- Student band instruments TBD
- Copier for Music Library

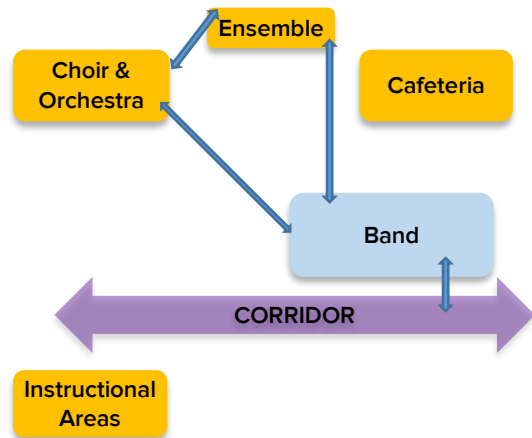
Safety and Security Provisions

Door hardware capable of locking the door from within the classroom.

Location and Adjacencies

- The music area will be located in relation to the following:
- Immediately adjacent to other performing arts areas such as choir and orchestra (Level 1 Adjacency)
 - Near the cafeteria (Level 2 Adjacency)
 - Intentionally separated from the instructional areas and library (No Adjacency)
 - Door to exterior with loading area for instruments.
 - Ensemble room common and accessible from band, orchestra and choir rehearsal rooms

Adjacency Diagram



ORCHESTRA

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Rehearsal Room	2975	35	85
Office	150		1
Storage	225		
Music Library	150		
Small Practice Rooms (3)	60		
Large Practice Room	150		
Instrument Storage Room	250		
Uniform Storage	150		

Instructional Delivery
 Objectives include teaching instrumental students all year, teaching general music students (short terms), performances by all groups above, and community assemblies.

Activities include individual and group rehearsals, composing and arranging instrumental music, small group instruction/sectionals, repair of instruments and after-school activities.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> 1 LCS Board (12') or writable wall surface 4 Tackboards (4') Instrument storage cabinets and/or shelving Ceiling and/or wall acoustical treatment(s) Sound conditioned practice rooms Minimum 4' wide door to exterior In room sound system 	<ul style="list-style-type: none"> 1 digital interactive surface 1 teacher workstation/seating Workstation technology Mobile instructional technology Student chairs Music stands Student orchestra instruments Piano 	<p>Door hardware capable of locking the door from within the classroom.</p>

Location and Adjacencies	Adjacency Diagram
<p>The music area will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately adjacent to other performing arts areas such as band and choir (Level 1 Adjacency) Near the cafeteria (Level 2 Adjacency) Intentionally separated from the instructional areas and library (No Adjacency) Door to exterior, minimum 4' wide Ensemble room common and accessible from band, orchestra, and choir rehearsal rooms. 	<pre> graph TD Ensemble[Ensemble] <--> Orchestra[Orchestra] Choir[Choir & Band] <--> Orchestra Cafeteria[Cafeteria] --- Orchestra Corridor[CORRIDOR] Instructional[Instructional Areas] --- Corridor </pre>

CHOIR

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Practice Hall	1950	30	65
Office Suite	450		3
Music Library	150		
Practice Room (10 – shared with Band)	60		
Ensemble Room	400		
Piano Storage	100		
Uniform Storage	200		
Riser Storage	100		
Folio Storage	100		
General Storage	225		

Instructional Delivery

Objectives include teaching vocal students all year, general music students (short terms), performances of all groups above, and community assemblies.

Activities include individual and group rehearsals, full daily rehearsals for 40 to 50 students, individual or small group work on keyboards, and after-school activities.

Architect-Specified Items

- 2 LCS Boards (12') or writable wall surfaces
- 4 Tackboards (4')
- Ceiling and/or wall acoustical treatment(s)
- Sound conditioned practice rooms
- In room sound system with recording abilities
- Trophy Shelf

Owner Purchased Furniture, Fixtures & Equipment (FF&E)

- 1 digital interactive surface
- 1 teacher workstation/seating
- Workstation technology
- Mobile instructional technology
- Portable risers
- Student chairs
- Piano

Safety and Security Provisions

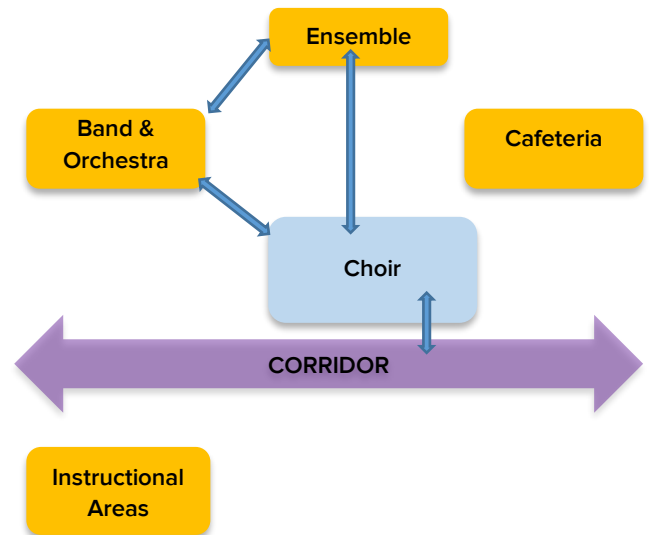
Door hardware capable of locking the door from within the classroom.

Location and Adjacencies

The music area will be located in relation to the following:

- Immediately adjacent to other performing art areas such as band and orchestra (Level 1 Adjacency)
- Near the cafeteria (Level 2 Adjacency)
- Intentionally separated from the instructional areas and library (No Adjacency).
- Ensemble room common and accessible from band, orchestra, and choir rehearsal rooms.

Adjacency Diagram



THEATER

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Theater Classroom/Small Black Box	1100	32 sf/student	34
Storage (2)	200		
Dressing/Makeup Room	150		5 to 10

Instructional Delivery

Objectives include introducing students to an appreciation of the arts, theater and the performing arts. Attention should be paid to the inherent inter-disciplinary relationships between the various performing arts, including instrumental and vocal music, dance, theater and art.

Activities include acting, singing, dancing, scenery design/construction, lighting experiences, costume construction, technical theater and simple productions in controlled setting.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> 1 LCS Board (12') or writable wall surface 4 Tackboards (4') Ceiling and/or wall acoustical treatment(s) Rehearsal lighting Pipe grid 4'.0 In-room sound system at theater classroom 	<ul style="list-style-type: none"> 1 mobile, digital interactive surface 1 teacher workstation/seating Workstation technology 	<p>Door hardware capable of locking the door from within the classroom.</p>

Location and Adjacencies	Adjacency Diagram
<p>The theater area will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately adjacent to the auditorium (Level 1 Adjacency) Near other performing arts areas such as choir and orchestra (Level 2 Adjacency) Intentionally separated from the instructional areas and library (No Adjacency) Locate Theater classroom immediately adjacent to the stage. 	<pre> graph TD Cafeteria[Cafeteria] <--> Stage[Stage] Stage <--> Choir[Choir] Stage <--> Theater[Theater] Corridor[Corridor] <--> Theater Corridor <--> Instructional[Instructional Areas] </pre>

CAREER & TECHNICAL EDUCATION

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Principles of Agriculture			
Agriculture Lab			
College & Career Choices (2)			
Multimedia (1 to 2)			
Multimedia Lab (1 to 2)			
Greenscreen Room			
Robotics Lab			
Office Suite	400		3
Storage (4)	75		

Instructional Delivery
 The primary function of the career and technical education space and curriculum is to allow students opportunities to explore their strengths, passion and possible career paths. It may provide a hands-on approach to the makerspace culture and strives to excite students about CTE opportunities at the high school level. With recent House Bill 5 modifications, students are exploring graduation pathways in middle school and this exposure can help with that selection.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<p><u>Classrooms:</u></p> <ul style="list-style-type: none"> 1 LCS Board (12') or writable wall surface 2 Tackboards (4') <p><u>Ag Lab:</u></p> <ul style="list-style-type: none"> Ventilation Cabinet with 2 ADA utility sinks Utilities based on curriculum needs <p><u>Multimedia Lab/Greenscreen Room:</u></p> <ul style="list-style-type: none"> Green Screen Sound proofing and acoustical treatments Utilities based on curriculum needs <p><u>Robotics Lab:</u></p> <ul style="list-style-type: none"> Ventilation Utilities based on curriculum needs 	<p><u>Classrooms:</u></p> <ul style="list-style-type: none"> 1 digital interactive surface Tables/seating that allow for multiple student arrangements Teacher workstation/seating and wardrobe unit Mobile instruction technology Workstation technology <p><u>Ag Lab:</u></p> <ul style="list-style-type: none"> Heavy stainless steel/wood tables Grow light/grid shelf <p><u>Multimedia Lab:</u></p> <ul style="list-style-type: none"> 21" iMacs 65" moveable flat panel <p><u>Robotics Lab:</u></p> <ul style="list-style-type: none"> Compressors 	<p>Door hardware capable of locking the door from within the classroom</p> <p>Glazing between the classroom and the hallway with blinds that can be shut during lockdown.</p>

Location and Adjacencies	Adjacency Diagram
<p>The classrooms, labs and supporting spaces will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible from the main hallway (Level 1 Adjacency) Near specialized instructional areas such as art (Level 2 Adjacency) 	<p>The diagram shows a horizontal purple double-headed arrow labeled 'Main Hall'. Above the left end of the arrow is a light blue rounded rectangle labeled 'CTE'. Above the right end of the arrow is a yellow rounded rectangle labeled 'Art'. Below the right end of the arrow is another yellow rounded rectangle labeled 'Classroom'. A blue arrow points upwards from the 'Main Hall' arrow to the 'CTE' box.</p>

SPECIAL EDUCATION

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Resource Classrooms (2)	800	40 sf/student	20
Life Skills (2)	1000	66 sf/student	15
Restroom (2)	200		
Observation/Cool Down Room	500		
Laundry	110		
BEST/Behavioral Classroom	700	70 sf/student	10
Behaviorist Office	150		
Motor Lab / Sensory Lab	1000	100 sf/student	10

Instructional Delivery
 The rooms will be made up of “Learning Centers” focused on exploration, socialization, small group and individual instructional activity, and gross motor skill activity.

 These spaces will serve students with special needs who need additional resources to support their learning and growth.

Architect-Specified Items

Resource Classrooms:

- Standard classroom amenities

Life Skills:

- Millwork with 1 ADA sink
- Full kitchen amenities
- Restroom with changing table, and shower
- Adjustable L.E.D. lights, no fluorescent lighting
- Covers on all switches and electrical outlets

BEST/Behavior:

- Acoustic wall treatment and sound attenuation walls and ceiling
- Covers on all switches and electrical outlets
- Office located within the classroom

Motor Lab/ Sensory Lab:

- Eye Hook mounted to structure for swing
- Moveable wall between Life Skills and Motor Lab

Owner Purchased Furniture, Fixtures & Equipment (FF&E)

- 1 Digital Interactive Surface
- Lockable file cabinets (Resource Room office)
- “Cubbies” or mobile storage
- Mobile bookshelves and storage
- Tables/seating that allow for multiple student arrangements
- Alternative furnishings
- Gross motor skills equipment and wardrobe unit
- Sensory equipment
- Mobile instructional technology
- Kitchen equipment (residential)
- Laundry equipment (heavy duty residential)
- Study cubicles in Behavior Room

Safety and Security Provisions

Door hardware that provides the capability of locking the door from within the classroom.

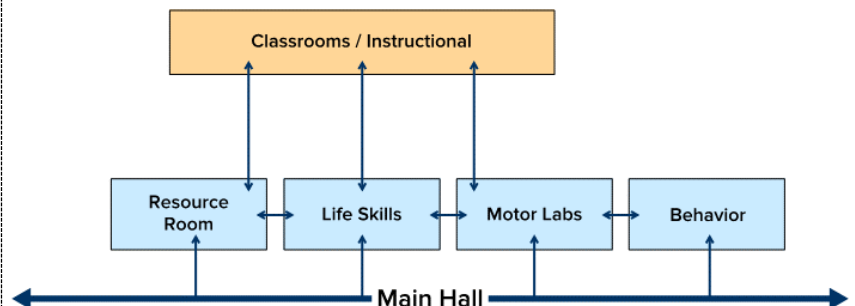
Glazing between the classroom and the hallway with blinds that can be shut during lockdown.

Location and Adjacencies

The special education classrooms and supporting spaces will be located in relation to the following:

- Immediately accessible from the main hallway (Level 1 Adjacency)
- Near the instructional areas (Level 2 Adjacency)
- Intentionally separated from the louder areas such as cafetorium and gymnasias (No Adjacency).
- Resource Rooms to be centrally located and near standard classrooms
- Behavior classroom not close to either standard classrooms or main office.
- Motor Lab / Sensory Lab to be centrally located

Adjacency Diagram



SPECIAL EDUCATION SUPPORT

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Licensed Specialist in School Psychology (LSSP)	150		
RTI/Testing Coordinator	225		
Testing Materials Storage	80		
Data Input Specialist	150		
Admission Review Dismissal Facilitator	150		
ARD Conference Room	225		12
AI/VI/AT Office	150		
Speech Therapy Suite (to be shared with visiting specialists)			
Speech Therapy Office (2)	150		
Speech Therapy Reception	200		
SPED Secretary	150		

Instructional Delivery
 The special education support suite will allow for ease of access of additional resources for students in the program. It will provide space for focused testing and diagnostics, controlled environments for student support and coaching. It will have space for collaboration among all team members who support learning and growth of students in the program.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> Handicap access throughout <p><u>Offices:</u></p> <ul style="list-style-type: none"> Infrastructure for phone, power, and data <p><u>Conference Room:</u></p> <ul style="list-style-type: none"> 12' markerboard or writable wall surface TV mount and monitor 	<p><u>Offices:</u></p> <ul style="list-style-type: none"> Desk and chair File cabinets Small, round conference table with chairs <p><u>Conference room:</u></p> <ul style="list-style-type: none"> Conference table and chairs Small table for printer/fax machine <p><u>Storage:</u></p> <ul style="list-style-type: none"> File cabinets for student records 	<p>Door hardware that provides the capability of locking the door from within the classroom.</p>

Location and Adjacencies	Adjacency Diagram
<p>The special education classrooms and supporting spaces will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible from the main hallway (Level 1 Adjacency) Near the instructional areas (Level 2 Adjacency) Intentionally separated from the louder areas such as cafeteria and gymnasium (No Adjacency). Behavior classroom not close to either standard classrooms or main office. Speech Therapy Reception to be centered between the two Speech Therapy offices. Speech Therapy preferably located near a conference room (not the ARD conference room) ARD conference room to be adjacent from the ARD Facilitator Data Input office to be near RTI/Testing Coordinator and a copier 	

ADDITIONAL INSTRUCTIONAL ROOMS

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Maker Space	1200	56 sf/student	25
Storage	100		

Instructional Delivery
 The primary function of the career and technical education space and curriculum is to allow students opportunities to explore their strengths, passion and possible career paths. It may provide a hands-on approach to the makerspace culture and strives to excite students about CTE opportunities at the high school level. With recent House Bill 5 modifications, students are exploring graduation pathways in middle school and this exposure can help with that selection.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> Maker space; 1 or 2 LCS Board (12") 4 Tackboards (4') 14' Millwork including 2 sinks (1 ADA) with plaster traps 	<ul style="list-style-type: none"> 1 Digital Interactive Surface "Cubbies" or mobile storage Tables/seating that allow for multiple student arrangements 1 Teacher workstation/seating and wardrobe unit Workstation technology Charging Station 	<p>Door hardware that provides the capability of locking the door from within the classroom.</p> <p>Glazing between the classroom and the hallway with blinds that can be shut during lockdown.</p>

Location and Adjacencies	Adjacency Diagram
<p>The additional instructional area will be located in relation to the following:</p> <ul style="list-style-type: none"> Maker space adjacent to library with direct access to the library and corridor. 	

BOYS LOCKER ROOM

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Athletics Locker Room	1500		
Athletic Restrooms/Showers	650		
Pre-Athletics Locker Room	800		
Pre-Athletics Restroom/Shower	400		
P.E. Locker Room	250		
P.E. Restroom/Shower	150		
Coaches' Office	400		10
Coaches' Restroom/Shower	150		
Athletic Storage	150		
General Storage	100		

Instructional Delivery
 Objectives include exposing students to a variety of activities, including team sports and individual sports/activities.

 Activities include after-school sports, tournaments, integrated activities and assessments.

Architect-Specified Items

Athletic Locker Room:

- 18"x18"x36" double tier lockers, 280 units (560 total lockers)
 - Football:
 - 8th Grade
 - A-C teams (30 each), Extras (45)
 - 7th Grade
 - A-C teams (40 each), Extras (35)
 - Basketball:
 - 8th Grade
 - A & B teams (13 each), C team (24), Extras (70)
 - 7th Grade
 - A & B teams (13 each), C team (24), Extras (70)
 - Cross Country:
 - 8th Grade (15), 7th Grade (15)

Pre-Athletics Locker Room:

- 18"x18"x36" double tier lockers, 70 units (140 total lockers)

P.E. Locker Room:

- 12"x12"x12" 5 tier lockers, 24 units (120 total lockers)
 - 8th Grade (30), 7th Grade (30), 6th Grade (60)

Restrooms:

- Toilet partitions
- Mirrors
- Toilet accessories

Coach Office:

- Built in desks with storage cabinets above and 10 - 18"x18x72" lockers

Owner Purchased Furniture, Fixtures & Equipment (FF&E)

Restrooms:

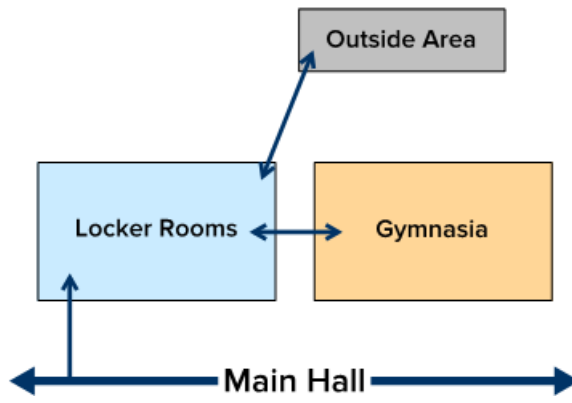
- OFCI toilet accessories

Locker Rooms:

- Benches

Safety and Security Provisions

BOYS LOCKER ROOM (cont.)

Location and Adjacencies	Adjacency Diagram
<p>The locker rooms will be located in relation to the following:</p> <ul style="list-style-type: none">• Immediately accessible from the main hallway (Level 1 Adjacency) with exterior access• Near the gymnasia (Level 2 Adjacency)• Intentionally separated from the instructional areas (No Adjacency).	 <p>The diagram illustrates the spatial relationships between the proposed locker rooms and existing school areas. A central horizontal double-headed arrow at the bottom is labeled "Main Hall". A blue box labeled "Locker Rooms" is positioned above the left side of the Main Hall, with an arrow pointing from the Main Hall to it. To the right of the Locker Rooms is an orange box labeled "Gymnasia", with a double-headed arrow connecting them. Above the Locker Rooms is a grey box labeled "Outside Area", with an arrow pointing from the Locker Rooms to it.</p>

GIRLS LOCKER ROOM

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Athletics Locker Room	1800		
Athletic Restrooms/Showers	900		
Pre-Athletics Locker Room	800		
Pre-Athletics Restroom/Shower	400		
P.E. Locker Room	400		
P.E. Restroom/Shower	200		
Coaches' Office	400		10
Coaches' Restroom/Shower	150		
Athletic Storage	150		
General Storage	100		

Instructional Delivery
 Objective include exposing students to a variety of activities including team sports and individual sports/activities.

 Activities include after-school sports, tournaments, integrated activities and assessments.

Architect-Specified Items

Athletic Locker Room:

- 18"x18"x36" double tier lockers, 240 units (480 total lockers)
 - Volleyball:
 - 8th Grade
 - A team (12), B team (14), C team (20), Extras (60)
 - 7th Grade
 - A team (12), B team (14), C team (20), Extras (70)
 - Basketball:
 - 8th Grade
 - A & B teams (12 each), C team (25), Extras (60)
 - 7th Grade
 - A & B teams (12 each), C team (25), Extras (70)
 - Cross Country:
 - 8th Grade (15), 7th Grade (15)

Pre-Athletics Locker Room:

- 18"x18"x36" double tier lockers, 70 units (140 total lockers)

P.E. Locker Room:

- 12"x12"x12" 5 tier lockers, 36 units (180 total lockers)
 - 8th Grade (60), 7th Grade (60), 6th Grade (60)

Restrooms:

- Toilet partitions
- Mirrors
- Toilet accessories

Coach Office:

- Built in desks with storage cabinets above and 10 - 18"x18x72" lockers

Owner Purchased Furniture, Fixtures & Equipment (FF&E)

Restrooms:

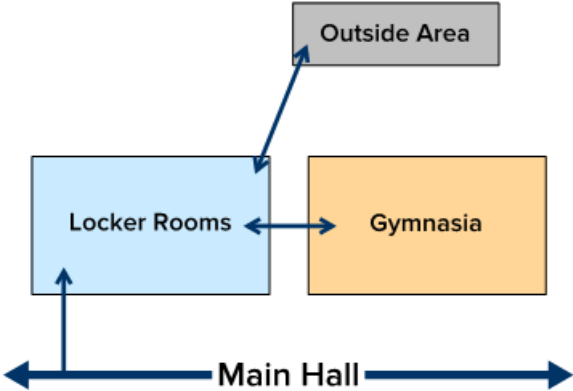
- OFCI toilet accessories

Locker Rooms:

- Benches

Safety and Security Provisions

GIRLS LOCKER ROOM (cont.)

Location and Adjacencies	Adjacency Diagram
<p>The locker rooms will be located in relation to the following:</p> <ul style="list-style-type: none">• Immediately accessible from the main hallway (Level 1 Adjacency) with exterior access• Near the gymnasias (Level 2 Adjacency)• Intentionally separated from the instructional areas (No Adjacency).	 <p>The diagram illustrates the spatial relationships between the Locker Rooms, Gymnasias, and Outside Area. A horizontal double-headed arrow at the bottom is labeled "Main Hall". A blue box labeled "Locker Rooms" is positioned above the left end of the Main Hall arrow. A double-headed arrow connects the right side of the Locker Rooms box to the left side of an orange box labeled "Gymnasias". A blue arrow points from the top of the Locker Rooms box to a grey box labeled "Outside Area".</p>

ATHLETIC SUPPORT

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Concessions	200		
Indoor Weight Room	170		Needs to hold <u>at least</u> 50
Outdoor Weight Room	2500		Needs to hold <u>at least</u> 150
Training/Laundry	235		
Small Team/Class/Film Room	800		
Storage	300		

Instructional Delivery
 The Athletics support spaces allow for booster involvement, student weight training, laundering of P.E. clothes and uniforms and storage of all athletics and P.E. equipment needed to support comprehensive instruction.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<p><u>Concessions:</u></p> <ul style="list-style-type: none"> Overhead coiling door with counter Food service equipment <p><u>Weight Rooms:</u></p> <ul style="list-style-type: none"> Wall mirrors Sound system <p><u>Training/Laundry Room:</u></p> <ul style="list-style-type: none"> Cabinet with sink Rough-in for ice machine 	<p><u>Concessions:</u></p> <ul style="list-style-type: none"> Drink coolers <p><u>Weight Rooms:</u></p> <ul style="list-style-type: none"> Weight equipment <p><u>Training/Laundry Room:</u></p> <ul style="list-style-type: none"> Ice machine Taping table Folding tables at standing height Drying rack(s) Commercial washer & dryer <p><u>Team/Class/Film Room:</u></p> <ul style="list-style-type: none"> Projector or mobile instructional technology 	

Location and Adjacencies	Adjacency Diagram
<p>The Athletics support spaces will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible from the main hallway (Level 1 Adjacency) with exterior access Near the locker rooms and gymnasia (Level 2 Adjacency) Intentionally separated from the instructional areas (No Adjacency) 	<p>The diagram shows a central horizontal purple double-headed arrow labeled 'Main Hall'. Above it, from left to right, are yellow boxes for 'Locker Rooms', 'Gymnasia', 'Laundry', and 'Weight Room'. To the right of the 'Main Hall' arrow is a light blue box for 'Concessions'. A vertical blue double-headed arrow connects the 'Main Hall' to the 'Concessions' box.</p>

RESTROOMS

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Student Restroom	350		
General Restroom	350		
Staff Restroom	50		

Function
Provide restroom functions for students, staff and visitors.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> Toilet partitions Mirrors Toilet accessories 	<ul style="list-style-type: none"> OFCI toilet accessories 	<ul style="list-style-type: none"> Cameras at door opening to hallway Mirrors in appropriate locations Minimize blind corners to decrease potential conflicts Hotel function door hardware at staff restrooms

Location and Adjacencies	Adjacency Diagram
<p>The student and staff restrooms will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible from the instructional areas (Level 1 Adjacency). <p>The general restrooms will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible from the core areas (Level 1 Adjacency) and available for use when only that area is accessible to the public. 	<p>The diagram illustrates the spatial relationships between restrooms and other areas. It features two rows of elements. The top row contains a green box labeled 'Staff/Student Restroom' on the left and a yellow box labeled 'Instructional Areas' on the right. A purple double-headed arrow labeled 'CORRIDOR' connects these two boxes. The bottom row contains a green box labeled 'General Restrooms' on the left and a yellow box labeled 'Core Areas' on the right. Another purple double-headed arrow labeled 'CORRIDOR' connects these two boxes. Blue arrows point from the 'CORRIDOR' arrows down to the 'Staff/Student Restroom' and 'General Restrooms' boxes, indicating their accessibility from the corridors.</p>

MECHANICAL, ELECTRICAL, TECHNOLOGY, CUSTODIAL

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Mechanical	Per design		
Electrical	Per design		
Technology	Per design		
Custodial	Per design		

Function
 These spaces support the operations of the building, including heating/cooling, lighting, technology use, facility cleaning, and maintenance.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<p><u>Mechanical:</u></p> <ul style="list-style-type: none"> All equipment, individual a/c units for MDF and IDF rooms <p><u>Electrical:</u></p> <ul style="list-style-type: none"> All panels and equipment <p><u>Technology:</u></p> <ul style="list-style-type: none"> Infrastructure <p><u>Custodial:</u></p> <ul style="list-style-type: none"> Mop sink Racks 	<ul style="list-style-type: none"> Miscellaneous equipment Server racks Metal storage shelving 	<p>None of these spaces will have glazing.</p> <p>The spaces will have keyed access for staff members who need access to perform their assigned duties.</p>

Location and Adjacencies	Adjacency Diagram
<p>The support spaces will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible from the main hall (Level 1 Adjacency) Scattered around the building to provide efficiency and maximize performance. 	

Educational Specifications

Marble Falls ISD 2017

High School

Huckabee

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CAMPUS OVERVIEW

GENERAL INFORMATION

Estimated Budget	[\$]
Number of Total Students	1600
School Administration Organization	1 Principal 3 Assistant Principals 1 Receptionists 1 Licensed Specialist in School Psychology 1 Diagnosticians 3 Counselors 1 Registrar 1 Principal Secretary 1 Assistant Principal Secretary 1 Attendance Clerk
Hours of Operation: <i>(Including the instructional day, extracurricular activities and any public access or use)</i>	Instructional Day: 8:25AM – 3:50PM Tutoring, Special Programs, Meetings: Varies as needed Summer Programs: Varies as needed

NON-INSTRUCTIONAL SUPPORT AREAS

Restrooms	All restroom will be located on accessible routes in compliance with state standards. Student restrooms will be centrally located in the classroom wing. Teacher restrooms will be located adjacent to the student restrooms. Additional restrooms will be located in the hallway adjacent to the core spaces with access during after-hours events.
Driveways/Parking	Separation of parent, bus, and delivery drop off is required. Location of staff and visitor parking providing safe and contiguous pathways to the school is also recommended. Delivery vehicles and loading areas should be segregated from all other traffic, both pedestrian and vehicle.

SECURITY OF FACILITY:

The design of a building should not compromise the safety of the building but optimize opportunities for natural surveillance and access control. The following criteria was developed by the Texas School Safety Center and shall be considered in all design/security decisions:

1. **Surveillance:**
 - a. Security Cameras: Cameras should be provided at entry vestibule, parking, Library hall, and all exterior doors. Additional cameras should be provided on a case-by-case basis.
2. **Access Control:** Controlled vestibule with door buzzers, campus lockdown button, panic room for receptionist, connected building under one roof, and keyless card entry at selected doors
3. **Fire and Security Systems:** Per MFISD Tech Spec
4. **Landscaping:** Per MFISD Tech Spec
5. **Traffic and Parking Control:** Automobile and bus driveways should be separate. Staff and visitor parking will be provided to meet the needs of the campus. Overflow parking should be provided if feasible. Approximately five staff parking spaces should be located in very close proximity to the service entrance of the kitchen along a well-lit path.

ADMINISTRATION

Space Requirements

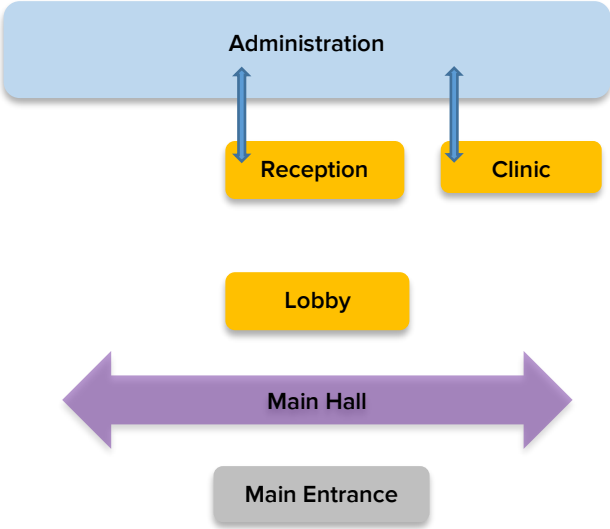
Space	Min. SF	SF per Student	Max. Occupancy
Principal's Office	225		
Principal's Secretary	165		
Assistant Principal Office (3)	200		
Assistant Principal Secretary	150		
Assistant Principal Storage	70		
Counselor Office (3)	175		
Counselor Administrative Assistant	150		
Registrar	230		
School Resource Officer	185		
ISS	700		
ISS Restroom (2)	60		
Records Room	200		
Conference Room (large)	575		12
Conference Room (small)	340		6
General Storage	150		
Restrooms (2)	60		
Custodian	50		

Function
 Administrative functions including:

- Student enrollment
- Student discipline
- Attendance records
- Testing storage/protocols
- Student records storage
- General storage

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<p><u>Student Records:</u></p> <ul style="list-style-type: none"> • Infrastructure for phone, power, and data/fax <p><u>Conference Rooms:</u></p> <ul style="list-style-type: none"> • T.V. mount • Markerboard 	<p><u>Offices:</u></p> <ul style="list-style-type: none"> • Desks • Task and guest chairs • File cabinets <p><u>Storage:</u></p> <ul style="list-style-type: none"> • Fixed metal shelving 	<p>Lockdown protocols and procedures</p>

ADMINISTRATION (cont.)

Location and Adjacencies	Adjacency Diagram
<p>The administration area will be immediately accessible from the lobby. (Level 1 Adjacency)</p> <ul style="list-style-type: none">• Principal's office shall be located near the front of the main administration area, have direct access to principal's secretary, and have access to a path of egress.• Assistant Principals to be grouped together closer to the students.• Counselors and Registrar to be in a suite near the front of the administration area, with access to records storage.• School Resource Officer to be located near front office and administration suite, with direct access to the main hallway.• ISS to be near the Assistant Principals	 <p>The diagram illustrates the spatial relationships between key areas. At the top is a light blue rounded rectangle labeled 'Administration'. Below it are two yellow rounded rectangles, 'Reception' on the left and 'Clinic' on the right, connected to 'Administration' by vertical blue double-headed arrows. Below these is a yellow rounded rectangle labeled 'Lobby'. At the bottom is a grey rounded rectangle labeled 'Main Entrance', connected to the 'Lobby' by a large purple double-headed arrow labeled 'Main Hall'.</p>

CLINIC

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Clinic	575		
Office	120		
Workroom	80		
Restroom (2)	80		
Shower Room, roll-in	80		

Function

- Medical attention for students and staff
- Storage and administration of medications

Architect-Specified Items

Clinic:

- Curtains and track
- Millwork with one knee space, ADA sink

Workroom:

- Curtains and track
- Millwork with ADA sink
- Lockable storage cabinets

Restroom:

- All grab bars

Owner Purchased Furniture, Fixtures & Equipment (FF&E)

Clinic:

- (4) Cots
- (5) Guest chairs
- Mobile medical cart

Office:

- Desk
- Task and (2) guest chairs
- (2) Lockable file drawers
- Bookshelves

Workroom:

- Refrigerator (under counter)
- Ice Maker (under counter)
- Wardrobe closet

Isolation:

- Small desk and task chair
- (1) Cot
- Audiometer

Safety and Security Provisions

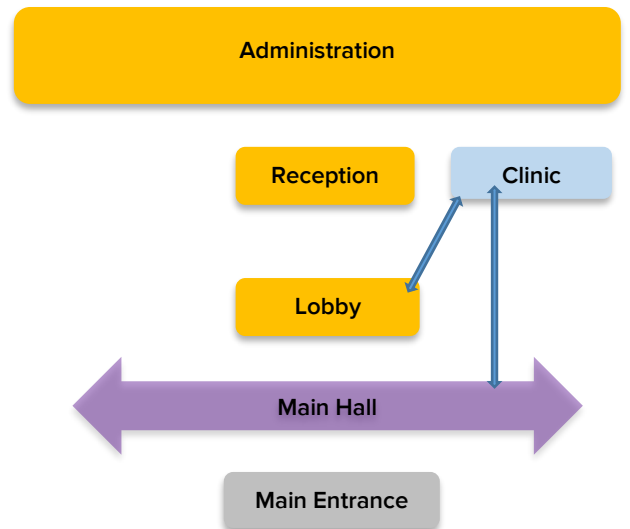
Glazing will be provided in doors for visual connection between main hall and clinic area and the lobby and clinic area.

Location and Adjacencies

The clinic will be immediately accessible from reception and the main hallway. (Level 1 Adjacency)

- Storage room shall have direct access from the office only.

Adjacency Diagram



ADMINISTRATION DESIGN LAB

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Design Lab	900		
Restroom (2)	80		

Function
<ul style="list-style-type: none"> Administration preparations Administration lunch/break area

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> Power for vending machines Refrigerator Microwave Power/data for equipment use around countertops Millwork for materials storage, with sink Mailboxes, 1 slot for each staff member 	<ul style="list-style-type: none"> Lounge/flexible seating Conference table and chairs Copier/fax/printer(s) Misc. equipment (i.e., laminator) 	N/A

Location and Adjacencies	Adjacency Diagram
<p>The Administration Design Lab will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible to main hall (Level 1 Adjacency) Adjacent to or within Administration, near attendance and reception. Adjacent to Assistant Principals, Counselors, and Registrar Separated from the main entrance 	

TEACHER DESIGN LAB

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Design Lab	900		Per Design
Restroom (1 per Lab)	80		

Function
 Administrative functions including:

- Teacher preparations
- PTO/parent volunteer preparations
- Teacher lunch/break area

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> • Power/data for equipment use around countertops • Millwork for materials storage • Writable wall surfaces 	<ul style="list-style-type: none"> • Flexible seating • Conference table & chairs • Copier/printer(s) • Misc. equipment (i.e., laminator) • Teacher work stations & personal storage units • Refrigerator (undercounter) • Microwave (undercounter) 	N/A

Location and Adjacencies	Adjacency Diagram
<ul style="list-style-type: none"> • The Teacher Design Labs will be located in relation to the following: • Immediately accessible to main hall (Level 1 Adjacency) • Near Instructional areas (Level 2 Adjacency) • Separated from the main entrance • Fine Arts to be grouped together in a Design Lab. 	<p>The diagram shows a yellow rounded rectangle labeled 'Classrooms / Instructional' on the left and a light blue rounded rectangle labeled 'Teacher Design Lab' on the right. Below these two boxes is a large purple double-headed arrow labeled 'Main Hall', indicating that the Main Hall is located between the Classrooms and the Teacher Design Lab.</p>

MAIN ENTRANCE

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Controlled Vestibule	300		
Reception	500		
Attendance Clerk Office	150		

Function
<ul style="list-style-type: none"> Welcome guests Visitor check-in/check-out Waiting area Attendance

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<p><u>Reception:</u></p> <ul style="list-style-type: none"> Millwork with 1 knee space Lockable storage <p><u>Attendance Clerk Office:</u></p> <ul style="list-style-type: none"> Counter workspace 	<p><u>Reception:</u></p> <ul style="list-style-type: none"> Task chair Workstation technology Waiting area chairs and tables <p><u>Attendance Clerk Office:</u></p> <ul style="list-style-type: none"> Desks Chairs (2) 4-Drawer file cabinets 	<p>Controlled vestibule with lockdown protocols.</p>

Location and Adjacencies	Adjacency Diagram
<ul style="list-style-type: none"> The main entrance will be immediately accessible from the controlled vestibule. (Level 1 Adjacency) Attendance to be accessible from reception Attendance to be near Administration Design Lab 	

INSRTUCTIONAL

Space Requirements

Space - House Requirements	Min. SF	SF per Student	Max. Occupancy
Classroom (8)	720	28 sf/student	24
Chemistry Lab (4)	1600	58 sf/student	24
Biology Lab (3)	1600	58 sf/student	24
Animal Science Lab	1600	58 sf/student	24
Physics Lab	1600	58 sf/student	24
Integrated Physics & Chemistry Lab	1600	58 sf/student	24
Crime Scene Room	350		
Crime Scene Lab	1740	58 sf/student	
Prep Room	250	10 sf/student	
Student Collaboration	1800		
Chemical Storage	100		
Storage	100		

Instructional Delivery
 The primary classroom/lab is a flexible learning environment facilitating exploration, socialization and development of various skills including collaboration, critical thinking, and public speaking. Seating should accommodate a variety of layouts, and reconfiguration will often be done by students. Teacher planning/collaboration areas provide a professional work environment while promoting collaboration between grade levels and subject areas.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> 2 LCS Board (6') or writable wall surface 2 Tackboards (4') Utilities in labs based on curriculum needs Folding partition between classrooms where requested. Science Lab tables and sinks Labs to be flexible for changes in curriculum Blank wall space (periodic table) 	<ul style="list-style-type: none"> Digital Interactive Surface per classroom Mobile instructional technology Tables/seating that allow for multiple student arrangements Alternative/flexible furnishings Teacher workstation/seating Workstation technology Document cameras (teachers) Power drops 	<p>Door hardware that provides the capability of locking the door from within the classroom.</p> <p>Glazing between the classroom and the hallway with blinds that can be shut during lockdown.</p>

Location and Adjacencies	Adjacency Diagram
<p>The classrooms, labs and supporting areas will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible from the main hallway (Level 1 Adjacency) Near the specialized instructional areas such as art (Level 2 Adjacency) Intentionally separated from the louder areas such as cafeteria, gymnasiums, performing arts and Career & Technical Education (No Adjacency) 	<pre> graph TD Facilitator[Facilitator Work Room] --> Collaboration[Collaboration] ClassroomL[Classrooms] --> Collaboration ClassroomR[Classrooms] --> Collaboration Storage[Storage Room] --> Collaboration SmallGroup[Small Group Rooms] --> Collaboration </pre>

INSTRUCTIONAL – OTHER

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Maker Space (2)	1050	35 sf/student	25

Instructional Delivery
 The primary classroom/lab is a flexible learning environment facilitating exploration, socialization and development of various skills including collaboration, critical thinking, and public speaking. Seating should accommodate a variety of layouts, and reconfiguration will often be done by students. Teacher planning/collaboration areas provide a professional work environment while promoting collaboration between grade levels and subject areas.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> LCS Board (12') or writable wall surface Tackboard (4') 	<ul style="list-style-type: none"> Digital Interactive Surface Mobile instructional technology Tables/seating that allow for multiple student arrangements Alternative/flexible furnishings Teacher workstation/seating and wardrobe unit Workstation technology 	<p>Door hardware that provides the capability of locking the door from within the classroom.</p>

Location and Adjacencies	Adjacency Diagram
<p>The classrooms, labs and supporting areas will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible from the main hallway (Level 1 Adjacency) Near the specialized instructional areas such as art (Level 2 Adjacency) 	<p>The diagram shows a central horizontal purple double-headed arrow labeled 'Main Hall'. Above the left end of the arrow is a light blue rounded rectangle labeled 'Instructional', connected to the arrow by a vertical blue double-headed arrow. To the right of the arrow are three yellow rounded rectangles: 'Cafeteria' at the top, 'Gym' in the middle, and 'CTE' at the bottom.</p>

CAFETORIUM

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Dining	10500	15 sf/student	700 dining, 1350 in chairs only
Kitchen/Serving (4 serving lines)	4000		
Staff Office			
Restroom			
Chair Storage	400		
Platform	1000		

Function

Dining: Breakfast and lunch, overflow place for athletic or fine arts rehearsals, student and community presentations, after school programs

Kitchen: Food preparation and serving

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> Motorized projection screen Food service equipment Sound system for platform Lighting system for platform Ceiling and/or wall acoustical treatment(s) 	<ul style="list-style-type: none"> Misc. loose kitchen equipment Dining furniture – appropriate to both dining and group learning Projector 	<p>Double doors should be provided to the adjacent interior hallway and directly to the exterior. Outdoor seating may be provided but should have direct visual access from the dining area for supervision.</p> <p>The kitchen should be locked outside of serving hours. Exterior lights and security cameras should be provided at the exterior door where deliveries are made.</p>

Location and Adjacencies	Adjacency Diagram
<p>The cafeteria and kitchen will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible from the main hallway (Level 1 Adjacency) with exterior access. Near the gymnasium (Level 2 Adjacency). Intentionally separated from the instructional areas (No Adjacency). <p>The cafetorium should have the ability to be isolated for after-hours use.</p>	

GYMNASIUM

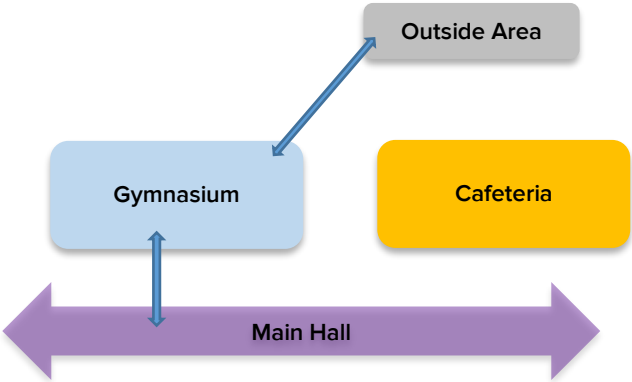
Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Competition Gymnasium	16610		1500
Secondary Gymnasium	11660		1000
P.E. Gymnasium	9460		500
P.E. Storage	350		
Secondary Gymnasium Storage	350		
General Storage Areas (under fixed seating of Competition Gym)	Varies		

Instructional Delivery
 Boys and Girls Athletics
 Physical Education
 Athletic Tournaments
 Community Use

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<p><u>Competition Gymnasium:</u></p> <ul style="list-style-type: none"> Electrically retractable basketball goals (6) Basketball, 1 main court (50' x 94') and 2 side courts Volleyball, 1 main and 2 side courts Volleyball inserts (6) Wall pads Fixed seating for 750 on home side Folding bleacher seating – 750 on visitor side Center scoreboard <p><u>Secondary Gymnasium:</u></p> <ul style="list-style-type: none"> Electrically retractable basketball goals (6) Basketball, 1 main court (50' x 94') and 2 side courts Volleyball, 1 main and 2 side courts Volleyball inserts (6) Wall pads Folding bleacher seating for 1000 spectators, 500 on home side and 500 on visitor side Scoreboard, opposite from bleachers <p><u>P.E. Gymnasium:</u></p> <ul style="list-style-type: none"> Electrically retractable basketball goals (6) Basketball, 1 main court (50' x 94') and 2 side courts Volleyball, 1 main and 2 side courts Volleyball inserts (6) Wall pads Folding bleacher seating for 500 spectators, 250 on home side and 250 on visitor side 	<ul style="list-style-type: none"> Athletic Equipment P.E. Equipment 	<ul style="list-style-type: none"> Exterior lights and cameras Access control

GYMNASIUM (cont.)

Location and Adjacencies	Adjacency Diagram
<p>The gymnasia will be located in relation to the following:</p> <ul style="list-style-type: none">• Immediately accessible from the main hallway (Level 1 Adjacency) with exterior access.• Near the cafeteria and main entrance (Level 2 Adjacency).• Intentionally separated from the instructional areas (No Adjacency). <p>The gymnasium will have the ability to be isolated for after-hours use.</p>	 <p>The diagram illustrates the spatial relationships between key areas. A light blue rounded rectangle labeled 'Gymnasium' is positioned in the center-left. To its right is a yellow rounded rectangle labeled 'Cafeteria'. Above the Gymnasium is a grey rounded rectangle labeled 'Outside Area'. A large purple double-headed arrow labeled 'Main Hall' spans the width of the diagram below the Gymnasium and Cafeteria. A blue arrow points from the top of the Gymnasium to the bottom of the Outside Area, and another blue arrow points from the bottom of the Gymnasium to the top of the Main Hall arrow.</p>

LIBRARY & MEDIA LAB

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Library	4,040	Designed per TEA standards for 1600 student campus	
Media Lab (2)	1100		
Testing Room (1-on-1)	100		2
Office	230		
Workroom	430		
Conference Room	400		
Storage	400		
Restroom (2)	80		

Instructional Delivery
 Students use the library for research, collaboration, group project work and instructional support.

Students will also have access to the library before and after school for gathering, socializing and personal reading and work.

Architect-Specified Items

- Motorized screen
- Infrastructure in the library to facilitate curriculum
- Built in speakers in the learning area
- Writable wall surface(s)

Owner Purchased Furniture, Fixtures & Equipment (FF&E)

- Library furniture (i.e., tables, chairs, shelving, circulation desk)
 - Furniture appropriate to large and small group and individual learning
- Alternative furnishings (i.e., soft seating)
- Computer workstations
- Mobile devices and other instructional technology
- Projector
- Charging stations
- T.V. monitors

Safety and Security Provisions

A large amount of glazing should be provided at the library. The circulation desk will face both the main entrance and the main area of the library for supervision. There should be a single location within the library area which provides a line of sight down each aisle of shelving.

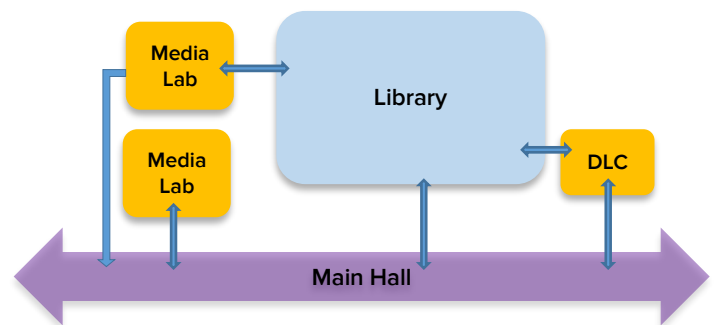
Visual access should be provided between the library and computer labs.

Location and Adjacencies

The library will be located in relation to the following:

- Immediately accessible from the main hall (Level 1 Adjacency).
- Near the instructional areas (Level 2 Adjacency).
- Intentionally separated from the louder areas on campus such as cafeteria, gymnasium, and performing arts (No Adjacency).
- Locate Library & Media Lab as central as possible to the academic areas.

Adjacency Diagram



ART

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Art Labs (2)	1350	54 sf/student	25
Outdoor Courtyard	900		
Office	225		5
Ceramics Lab	350		
Kiln Room (2)	150		
Drying Room	80		
Art Storage	320		
Photo Lab	350		
Dark Room	175		

Instructional Delivery
 Objectives include discover ideas for art in personal experiences, transform ideas to create art, work with media to make art, perceive, describe, interpret and evaluate works of art. The overall outcome for all students will be the development of a life-long interest and appreciation of art & art techniques. Student work will include 2-D and 3-D projects, demonstrations and instruction, researching art history, inter-relating core courses along with unified arts.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> LCS Board (12') 2 Tackboards (4') Millwork including 2 sinks (1 ADA) with plaster traps 	<ul style="list-style-type: none"> 1 Digital Interactive Surface Per Lab Tables/seating that allow for multiple student arrangements Teacher workstation/seating and wardrobe unit Workstation technology Art equipment and supplies Digital media hardware and software Fixed metal shelving (2) Kilns 	<p>Door hardware capable of locking the door from within the classroom.</p> <p>Glazing between the classroom and the hallway with blinds that can be shut during lockdown.</p>

Location and Adjacencies	Adjacency Diagram
<p>The art area will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible to the outdoors with a preferred northern exposure (Level 1 Adjacency) Near the instructional areas (Level 2 Adjacency) Intentionally separated from quiet spaces on campus (No Adjacency). 	

BAND

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Band Hall	7000	35 sf/student	150 to 200
Percussion Room	2625	35 sf/student	75
Color Guard / Jazz Room	1400	35 sf/student	40
Music Library (with workspace)	250		
Instrument Repair	110		
Small Practice (10)	50		
Office	500		4 to 6
Restroom	80		
Boys Locker Room & Restroom	575		
Girls Locker Room & Restroom	575		
Uniform/Formalwear Storage	450		
Instrument Storage	520		
Percussion Storage	485		
Color Guard / Jazz Storage	300		
General Storage	500		

Instructional Delivery
 Objectives include teaching instrumental students all year, teaching general music students (short terms), performances by all groups above, and community assemblies.

 Activities include individual and group rehearsals, composing and arranging instrumental music with keyboards, small group instructions/sectionals, repair of instruments and after-school activities.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> 1 LCS Board (12') or writable wall surface 4 Tackboards (4') Instrument storage cabinets and/or shelving Ceiling and/or wall acoustical treatment(s) Sound conditioned practice rooms Cabinet with large sink in Instrument Repair space In room sound system, with recording General storage in band can be on mezzanine level. Elec operated projection screen Overhead door to exterior Wall mirrors (Color Guard /Jazz Room) Drinking fountains 	<ul style="list-style-type: none"> 1 mounted projector (type TBD) 1 teacher workstation/seating Workstation technology Student chairs Music stands Student band instruments TBD Copier (Music Library) 4-6 Electric, roll-in pianos Baby Grand piano 	<p>Door hardware capable of locking the door from within the classroom.</p>

BAND (cont.)

Location and Adjacencies	Adjacency Diagram
<p>The music area will be located in relation to the following:</p> <ul style="list-style-type: none">• Immediately adjacent to other performing arts areas such as choir and orchestra (Level 1 Adjacency)• Near the cafeteria (Level 2 Adjacency)• Intentionally separated from the instructional areas and library (No Adjacency).• Door to exterior with loading area for instruments.• Ensemble rooms and all practice rooms are common and accessible from band, orchestra and choir rehearsal rooms.	<p>The diagram illustrates the spatial layout of the music area. It features five main components: 'Ensemble & Practice Rooms' (yellow box at the top), 'Choir & Orchestra' (yellow box on the left), 'Band' (light blue box in the center), 'Instructional Areas' (yellow box at the bottom left), and a 'CORRIDOR' (purple double-headed arrow at the bottom). Blue arrows indicate Level 1 Adjacency: one from 'Choir & Orchestra' to 'Ensemble & Practice Rooms', one from 'Ensemble & Practice Rooms' to 'Band', and one from 'Band' to 'Instructional Areas'. The 'CORRIDOR' is positioned below the 'Band' and 'Instructional Areas'.</p>

CHOIR

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Practice Hall	3000	30 sf/student	80 to 100
Large Ensemble	1200	30 sf/student	30 to 40
Small Ensemble	600	30 sf/student	15 to 20
Practice Rooms (8)	50		
Office (2)	150		1
Music Library	250		
Uniform/Costume Storage	400		
Storage	125		

Instructional Delivery

Objectives include teaching vocal students all year, general music students (short terms), performances of all groups above, and community assemblies.

Activities include individual and group rehearsals, full daily rehearsals for 40 to 50 students, individual or small group work on keyboards, and after-school activities.

Architect-Specified Items

- 1 LCS Board (12') or writable wall surface
- 4-6 Tackboards (4')
- Ceiling and/or wall acoustical treatment(s)
- Sound conditioned practice room
- In room sound system, with recording – in Practice Hall and Large Ensemble
- Drinking fountains

Owner Purchased Furniture, Fixtures & Equipment (FF&E)

- 2 digital interactive surfaces
- 1 teacher workstation/seating
- Workstation technology
- Portable risers
- Student chairs
- 2 Electric, roll-in pianos
- Grand piano
- 7 Sound Shells

Safety and Security Provisions

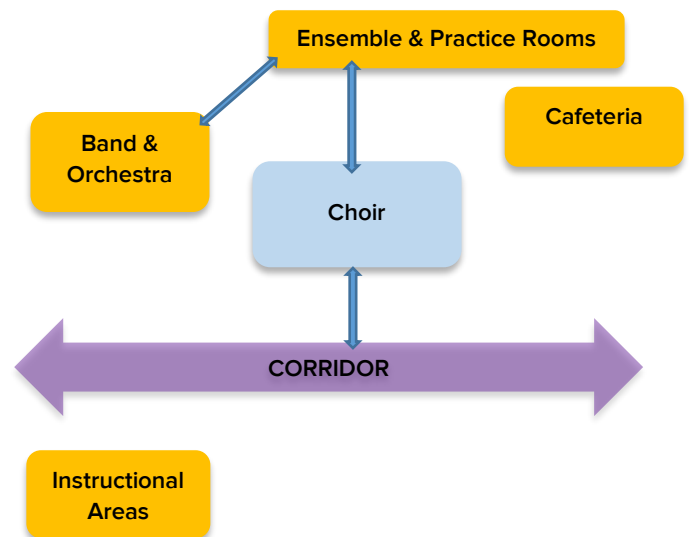
Door hardware capable of locking the door from within the classroom.

Location and Adjacencies

The music area will be located in relation to the following:

- Immediately adjacent to other performing art areas such as band and orchestra (Level 1 Adjacency)
- Near the cafeteria (Level 2 Adjacency)
- Intentionally separated from the instructional areas and library (No Adjacency).
- Ensemble rooms and all practice rooms are common and accessible from band, orchestra, and choir rehearsal rooms.

Adjacency Diagram



PERFORMING ARTS CENTER

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Auditorium	4800	8 sf/person	600
Stage	2800		
Side Stage	500 sf each side		
Orchestra Pit	725		
Sound & Lighting Control Booth	150		
Auditorium Entry Vestibules	200		
Lobby	1800		
Concessions	150		
Restrooms – Public	As required by code		
Ticket Booth	100		
Black Box	3000		Seating for 300
Ticket Booth for Black Box	75		
UIL Theater Storage Set	350		
Boys Dressing Room with Restroom & Shower	500		10 to 15
Girls Dressing Room with Restroom & Shower	500		10 to 15
Scene Shop	1000		
Large Prop Storage	475		
Prop Storage	300		
Sewing Room	500		
Costume Storage	300		
Piano Storage (climate controlled)	150		
Storage	400		

Instructional Delivery
 Objectives include introducing students to an appreciation of the arts, theater and the performing arts. Attention should be paid to the inherent inter-disciplinary relationships between the various performing arts, including instrumental and vocal music, dance, theater, and art.

Activities include acting, singing, dancing, scenery design/construction, lighting experiences, costume construction, technical theater and simple productions in controlled setting.

PERFORMING ARTS CENTER (cont.)

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> • 1 LCS Board (12') • 4 Tackboards (4') • Ceiling and/or wall acoustical treatment(s) • Rehearsal lighting • Pipe grid 4'.0 at Black Box • Stage equipment curtains & tracks • Sound system – Black Box • Sound & lighting board • LED Lighting • Auditorium seating • Perimeter catwalk structure for lighting access in auditorium • Motorized stage rigging system, full fly loft • Hydraulic lift in stage floor • Overhead door – scene shop to exterior & shop to stage access • Connection to campus PA system, but <u>no</u> connection to bell system 	<ul style="list-style-type: none"> • Digital interactive surface • Teacher workstation/seating • Workstation technology 	<p>Door hardware capable of locking the door from within the classroom.</p>

Location and Adjacencies	Adjacency Diagram
<ul style="list-style-type: none"> • Locate Black Box adjacent to scene shop and near main stage • Provide separate entry and ticketing for the Black Box 	

THEATER

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Theater Classroom	1200		
Practice Room (14)	100		
Office	250		
UIL Theater Storage Set	350		
Costume Storage	200		
Technical Theater Classroom	700		

Instructional Delivery
 Objectives include introducing students to an appreciation of the arts, theater and the performing arts. Attention should be paid to the inherent inter-disciplinary relationships between the various performing arts, including instrumental and vocal music, dance, theater and art.

Activities include acting, singing, dancing, scenery design/construction, lighting experiences, costume construction, technical theater and simple productions in controlled setting.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<p><u>Theater Classroom:</u></p> <ul style="list-style-type: none"> 1 LCS Board (12') or writable wall surface 4 Tackboards (4') Ceiling and/or wall acoustical treatment(s) Pipe grid 4'.0 Projector screen with sound playback Light system <p><u>Technical Theater:</u></p> <ul style="list-style-type: none"> 1 LCS Board (12') or writable wall surface 2 Tackboards (4') Adequate power Millwork with multiple sinks, at least 1 ADA Projector screen with sound playback and recording 	<p><u>Theater Classroom:</u></p> <ul style="list-style-type: none"> Digital interactive surface Teacher workstation/seating Workstation technology Tables (rolling) <p><u>Technical Theater:</u></p> <ul style="list-style-type: none"> Drafting tables (Tech CR) 	<p>Door hardware capable of locking the door from within the classroom.</p>

Location and Adjacencies	Adjacency Diagram
<p>The theater area will be located in relation to the following:</p> <ul style="list-style-type: none"> Near the auditorium and other performing arts areas such as choir and dance (Level 2 Adjacency) Direct access from the Technical Theater classroom to the scene shop Intentionally separated from the instructional areas and library (No Adjacency). 	

DANCE

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Dane Studio	6240 (sized for 50"x94") basketball court with 5' perimeter)		
Dance Locker Room	380		
Office (2)	250		
Outdoor Art Patio	500		
Uniform Storage	100		
General Storage	250		
Restroom & Showers	225		

Instructional Delivery

Objectives include introducing students to an appreciation of the art of dance and to the extracurricular activities of cheer leading and drill team.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> 1 LCS Board (12') or writable wall surface 4 Tackboards (4') Basketball court striping for 50"x94" Ceiling and/or wall acoustical treatment(s) Sound system, with recording and playback capabilities Mirrors on the wall Dance beam Dance locker room - 75 – 12"x12"x36" double tier lockers Overhead door to exterior 	<ul style="list-style-type: none"> 1 Digital interactive surface Workstation technology 	<p>Door hardware capable of locking the door from within the classroom.</p>

Location and Adjacencies	Adjacency Diagram
<p>The theater area will be located in relation to the following:</p> <ul style="list-style-type: none"> Near other performing arts areas such as choir, theater, and secondary gymnasium (Level 2 Adjacency). Intentionally separated from the instructional areas and library (No Adjacency). 	

CAREER & TECHNICAL EDUCATION

Career & Technical Education

Marble Falls ISD offers a wide variety of Career & Technical learning opportunities. The MFISD CTE program currently offers 17 different pathways of study at the high school level with many of the courses providing industry certifications and college credits. The elective courses allow students to immerse themselves in a field of their interest through hands-on learning opportunities, field-based experiences, and internships.

The following is a list of current Pathways of Career Studies at MFISD:

1. Arts & Humanities
 - Fine Arts
 - Art
 - Music
 - Choir Discipline
 - Dance/Drill Team Discipline
 - Theatre Discipline
 - Humanities
 - LOTE
 - Social Studies
2. Business & Industry
 - Ag Science
 - Animal Science
 - Horticulture
 - Metal Fabrication
 - General
 - Construction
 - Arts & A / V
 - Film & Media
 - Graphic Design
 - Hospitality & Tourism
 - Business
 - Finance
 - Management & Marketing
 - Information Technology
 - English Elective
 - Communications
3. Multidisciplinary
 - 4x4
 - AP/Dual Credit
 - College & Career
4. Public Services
 - Human Services
 - Health Sciences
5. STEM
 - Engineering
 - Math
 - Science

The CTE Pathways of Career Studies, as listed on the following pages, are considered the minimum courses to be provided at each high school in the District. These courses are subject to change as the District grows and career opportunities evolve in the Marble Falls ISD.

CAREER & TECHNICAL EDUCATION

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Classrooms	840	28 sf/student	30
Labs	Varies		
Shops	Varies		
Storage Rooms	Varies		
Offices	Varies		
Locker Rooms (Welding)	TBD		
Restrooms	Varies		
Outdoor Spaces	Varies		

Instructional Delivery
 The primary function of the career and technical education space and curriculum is to allow students opportunities to explore their strengths, passion and possible career paths. It may provide a hands-on approach to the makerspace culture and strives to excite students about CTE opportunities at the high school level. With recent House Bill 5 modifications, students are exploring graduation pathways in middle school and this exposure can help with that selection.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> TBD 	<ul style="list-style-type: none"> TBD 	<p>Door hardware capable of locking the door from within the classroom</p> <p>Glazing between the classroom and the hallway with blinds that can be shut during lockdown.</p>

Location and Adjacencies	Adjacency Diagram
<p>The classrooms and supporting spaces will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible from the main hallway (Level 1 Adjacency). 	<p>The diagram shows a blue rounded rectangle labeled 'CTE' at the top. Below it is a large purple double-headed arrow labeled 'Main Hall'. At the bottom right is a yellow rounded rectangle labeled 'Classroom'. A blue arrow points from the 'Main Hall' area up to the 'CTE' box.</p>

SPECIAL EDUCATION

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Resource Classrooms (2)	800	40 sf/student	20
Life Skills (2)	1000	66 sf/student	15
Restroom (2)	200		
Observation/Cool Down Room	500		
Laundry	110		
BEST/Behavioral Classroom	700	70 sf/student	10
Behaviorist Office	150		
Motor Lab / Sensory Lab	1000	100 sf/student	10

Instructional Delivery
 The rooms will be made up of “Learning Centers” focused on exploration, socialization, small group and individual instructional activity, and gross motor skill activity.

 These spaces will serve students with special needs who need additional resources to support their learning and growth.

Architect-Specified Items

Resource Classrooms:

- Standard classroom amenities

Life Skills:

- Millwork with 1 ADA sink
- Full kitchen amenities
- Restroom with changing table, and shower
- Adjustable L.E.D. lights, no fluorescent lighting
- Covers on all switches and electrical outlets

BEST/Behavior:

- Acoustic wall treatment and sound attenuation walls and ceiling
- Covers on all switches and electrical outlets
- Office located within the classroom

Motor Lab/ Sensory Lab:

- Eye Hook mounted to structure for swing
- Moveable wall between Life Skills and Motor Lab

Owner Purchased Furniture, Fixtures & Equipment (FF&E)

- 1 Digital Interactive Surface
- Lockable file cabinets (Resource Room office)
- “Cubbies” or mobile storage
- Mobile bookshelves and storage
- Tables/seating that allow for multiple student arrangements
- Alternative furnishings
- Gross motor skills equipment and wardrobe unit
- Sensory equipment
- Mobile instructional technology
- Kitchen equipment (residential)
- Laundry equipment (heavy duty residential)
- Study cubicles in Behavior Room

Safety and Security Provisions

Door hardware that provides the capability of locking the door from within the classroom.

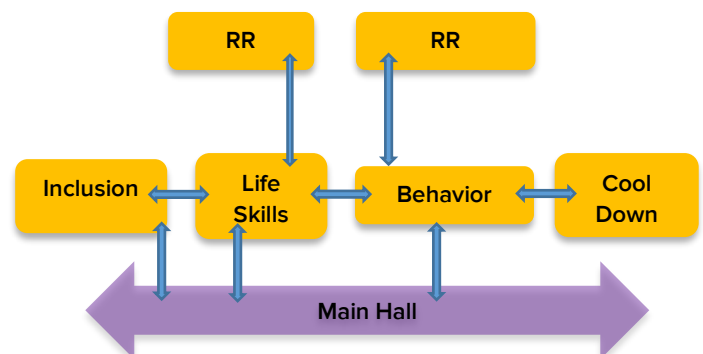
Glazing between the classroom and the hallway with blinds that can be shut during lockdown.

Location and Adjacencies

The special education classrooms and supporting spaces will be located in relation to the following:

- Immediately accessible from the main hallway (Level 1 Adjacency)
- Near the instructional areas (Level 2 Adjacency)
- Intentionally separated from the louder areas such as cafeterium and gymnasias (No Adjacency).
- Resource Rooms to be centrally located and near standard classrooms
- Behavior classroom not close to either standard classrooms or main office.
- Motor Lab / Sensory Lab to be centrally located

Adjacency Diagram



SPECIAL EDUCATION SUPPORT

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Licensed Specialist in School Psychology (LSSP)	150		
RTI/Testing Coordinator	225		
Testing Materials Storage	80		
Data Input Specialist	150		
Admission Review Dismissal Facilitator	150		
ARD Conference Room	225		12
AI/VI/AT Office	150		
Speech Therapy Suite (to be shared with visiting specialists)			
Speech Therapy Office (2)	150		
Speech Therapy Reception	200		
SPED Secretary	150		

Instructional Delivery
 The special education support suite will allow for ease of access of additional resources for students in the program. It will provide space for focused testing and diagnostics, controlled environments for student support and coaching. It will have space for collaboration among all team members who support learning and growth of students in the program.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> Handicap access throughout <p><u>Offices:</u></p> <ul style="list-style-type: none"> Infrastructure for phone, power, and data <p><u>Conference Room:</u></p> <ul style="list-style-type: none"> 12' markerboard or writable wall surface TV mount and monitor 	<p><u>Offices:</u></p> <ul style="list-style-type: none"> Desk and chair File cabinets Small, round conference table with chairs <p><u>Conference room:</u></p> <ul style="list-style-type: none"> Conference table and chairs Small table for printer/fax machine <p><u>Storage:</u></p> <ul style="list-style-type: none"> File cabinets for student records 	<p>Door hardware that provides the capability of locking the door from within the classroom.</p>

Location and Adjacencies	Adjacency Diagram
<p>The special education classrooms and supporting spaces will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible from the main hallway (Level 1 Adjacency) Near the instructional areas (Level 2 Adjacency) Intentionally separated from the louder areas such as cafeteria and gymnasium (No Adjacency). Behavior classroom not close to either standard classrooms or main office. Speech Therapy Reception to be centered between the two Speech Therapy offices. Speech Therapy preferably located near a conference room (not the ARD conference room) ARD conference room to be adjacent from the ARD Facilitator Data Input office to be near RTI/Testing Coordinator and a copier 	<pre> graph TD Inclusion[Inclusion] <--> LifeSkills[Life Skills] LifeSkills <--> Behavior[Behavior] Behavior <--> CoolDown[Cool Down] LifeSkills <--> MainHall[Main Hall] Behavior <--> MainHall RR1[RR] <--> LifeSkills RR2[RR] <--> Behavior MainHall <--> Inclusion MainHall <--> CoolDown </pre>

DRILL TEAM

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Drill Team Studio	5640 (sized for 84' x 50' basketball court with 5' perimeter)		
Office	250		
Drill Storage	380		
Drill Team Dressing Room	400		
Restroom	170		

Instructional Delivery
 Objectives include introducing students to an appreciation of the art of dance and to the extracurricular activities of cheer leading and drill team.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> 1 LCS Board (12') 4 Tackboards (4') Ceiling and/or wall acoustical treatment(s) Sound system Mirrors on the wall Drill Team locker room - 100 – 12"x12"x36" double tier lockers 	<ul style="list-style-type: none"> Digital interactive surface Workstation technology 	<p>Door hardware capable of locking the door from within the classroom.</p>

Location and Adjacencies	Adjacency Diagram
<p>The theater area will be located in relation to the following:</p> <ul style="list-style-type: none"> Near other performing arts areas such as choir, orchestra and secondary gymnasium (Level 2 Adjacency). Intentionally separated from the instructional areas and library (No Adjacency). 	

BOYS ATHLETIC LOCKER ROOMS – INDOOR SPORTS

Space Requirements

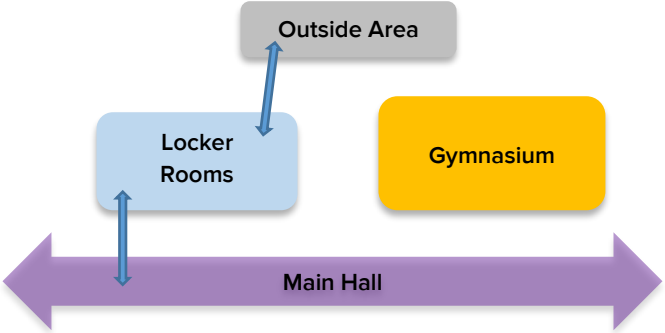
Space	Min. SF	SF per Student	Max. Occupancy
Varsity Basketball Locker Room	360		15
J.V./Freshman Basketball Locker Room	800		40
Varsity/J.V. Basketball Restroom & Showers	400		
Basketball Coaches' Office	225		8
Basketball Coaches Locker Room/Restroom/Shower	150		
Wrestling Mat Room (to use 3 rd gym)			
Wrestling Locker Room	600		
Wrestling Restroom & Showers	250		
Wrestling Storage	150		
Wrestling Coaches' Office	125		1
Wrestling Coaches Locker Room/Restroom/Shower	100		
Conference Room	225		
Officials Dressing Room with Restroom & Shower	275		
Visitor Locker Room/Restroom/Showers	400		

Instructional Delivery
 Objectives include exposing students to a variety of activities, including team sports and individual sports/activities.

 Activities include after-school sports, tournaments, integrated activities and assessments.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<p><u>Varsity Basketball Locker Room:</u></p> <ul style="list-style-type: none"> 15 – 18”x18”x72” single tier lockers <p><u>J.V./Freshman Basketball Locker Room:</u></p> <ul style="list-style-type: none"> 20 – 18”x18”x36” double tier lockers <p><u>Wrestling Locker Room:</u></p> <ul style="list-style-type: none"> 40 – 18”x18”x36” double tier lockers <p><u>Restrooms:</u></p> <ul style="list-style-type: none"> Toilet partitions Mirrors Toilet accessories <p><u>Coach Offices:</u></p> <ul style="list-style-type: none"> Built in desks with storage cabinets above Double tier lockers <ul style="list-style-type: none"> 8 – 24”x24”x36” double tier lockers for the basketball coaches 2 – 24”x24”x36” double tier lockers for the wrestling coaches <p><u>Visitor Locker Rooms:</u></p> <ul style="list-style-type: none"> 18 – 12”x12”x36” double tier lockers 	<p><u>Restrooms:</u></p> <ul style="list-style-type: none"> OFCI toilet accessories Locker Room benches 	

BOYS ATHLETIC LOCKER ROOMS – INDOOR SPORTS (cont.)

Location and Adjacencies	Adjacency Diagram
<p>The locker rooms will be located in relation to the following:</p> <ul style="list-style-type: none">• Immediately accessible from the main hallway (Level 1 Adjacency) with exterior access.• Near the gymnasium (Level 2 Adjacency).• Intentionally separated from the instructional areas (No Adjacency).	 <p>The diagram illustrates the spatial relationships between key areas. A purple double-headed arrow at the bottom represents the 'Main Hall'. A blue box labeled 'Locker Rooms' is positioned above the main hall, with a blue double-headed arrow connecting it to the hall. A grey box labeled 'Outside Area' is positioned above the locker rooms, with a blue arrow pointing from the locker rooms to the outside area. A yellow box labeled 'Gymnasium' is positioned to the right of the locker rooms.</p>

BOYS ATHLETIC LOCKER ROOMS – OUTDOOR SPORTS

Space Requirements

Space	Min. SF	SF/Student	Max. Occupancy
Varsity Football Locker Room	1800		60
Varsity Football Restrooms & Showers	475		
J.V. Football Locker Room	800		40
Freshman Football Locker Room	1000		50
J.V./Freshman Football Restrooms & Showers	475		
Varsity Soccer Locker Room	350		20
J.V./Freshman Soccer Locker Room	600		40
Soccer Restrooms & Showers	475		
Varsity Baseball Locker Room	350		20
Varsity Baseball Locker Room	350		20
J.V. Baseball Locker Room	300		20
J.V. Baseball Restrooms & Showers	300		
Tennis/Golf Locker Room	640		40
Tennis/Golf Restrooms & Showers	150		
Varsity Football Storage	400		
J.V./Freshman Football Storage	400		
Soccer Storage	150		
Baseball Storage	150		
Tennis/Golf Storage	150		
Football Head Coach Office	250		1
Football Coaches Office	1200		14
Football Coaches Restroom & Shower	150		
Baseball/Soccer Coaches Office	400		7
Baseball/Soccer Coaches Restroom & Shower	150		
Tennis/Golf Coaches Office	200		4
Tennis/Golf Coaches Restroom & Shower	100		

Instructional Delivery
 Objectives include exposing students to a variety of activities, including team sports and individual sports/activities.

 Activities include after-school sports, tournaments, integrated activities and assessments.

BOYS ATHLETIC LOCKER ROOMS – OUTDOOR SPORTS (cont.)

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<p><u>Athletic Locker Rooms:</u></p> <ul style="list-style-type: none"> Varsity Football 60 – 24"x24"x72" lockers J.V. Football 40 – 18"x18"x36" double tier lockers Freshman Football 50 – 18"x18"x36" double tier lockers Varsity Baseball 20 – 24"x24"x36" double tier lockers Other Locker Rooms 18"x18"x36" double tier lockers <p><u>Restrooms:</u></p> <ul style="list-style-type: none"> Toilet partitions Mirrors Toilet accessories <p><u>Coach Offices:</u></p> <ul style="list-style-type: none"> Built in desks with storage cabinets above and 18"x18"x72" lockers 	<p><u>Restrooms:</u></p> <ul style="list-style-type: none"> OFCI toilet accessories Locker Room benches 	

Location and Adjacencies	Adjacency Diagram
<p>Locate each building near the associated sport.</p>	

BOYS P.E. LOCKER ROOM

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
P.E. Locker Room	600		
P.E. Restrooms & Showers	250		
P.E. Storage (under main gym seating)			

Instructional Delivery
 Objectives include exposing students to a variety of activities, including team sports and individual sports/activities.

 Activities include after-school sports, tournaments, integrated activities and assessments.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<p><u>P.E. Locker Rooms:</u></p> <ul style="list-style-type: none"> 29 Combination type, six tier lockers (348 total 12"x12"x12" lockers) - each unit has: <ul style="list-style-type: none"> 12 - 12"x12"x12" lockers and 2 - 12"x12"x36" lockers <p><u>Restrooms:</u></p> <ul style="list-style-type: none"> Toilet partitions Mirrors Toilet accessories 	<p><u>Restrooms:</u></p> <ul style="list-style-type: none"> OFCI toilet accessories Locker Room benches 	

Location and Adjacencies	Adjacency Diagram
<p>The locker rooms will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible from the main hallway (Level 1 Adjacency) with exterior access Near the P.E. gymnasium (Level 2 Adjacency) Intentionally separated from the instructional areas (No Adjacency) 	<p>The diagram shows a blue box labeled 'Locker Rooms' connected by a double-headed blue arrow to a grey box labeled 'Outside Area'. To the right of the Locker Rooms is a yellow box labeled 'Gymnasium'. Below these elements is a large purple double-headed arrow labeled 'Main Hall'.</p>

GIRLS ATHLETIC LOCKER ROOMS – INDOOR SPORTS

Space Requirements

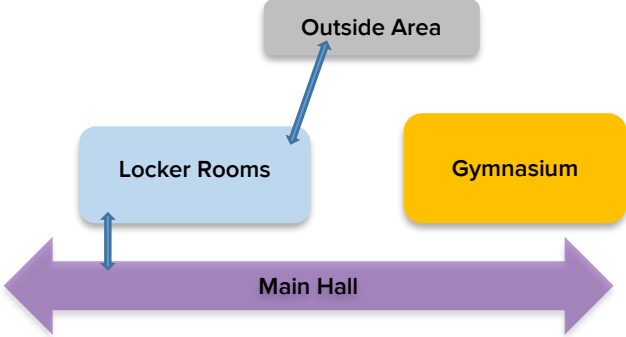
Space	Min. SF	SF per Student	Max. Occupancy
Varsity Basketball Locker Room	400		20
J.V./Freshman Basketball Locker Room	800		40
Basketball Restrooms & Showers	400		
Varsity Volleyball Locker Room	400		20
J.V./Freshman Volleyball Locker Room	800		40
Volleyball Restrooms & Showers	400		
Varsity Cheer Locker Room	400		20
J.V./Freshman Cheer Locker Room	600		40
Cheer Restrooms & Showers	350		
Girls Athletics Coaches Office	800		14
Girls Athletics Coach Restroom & Shower – Female Coaches	270		
Girls Athletics Coach Locker Room & Shower – Male Coaches	150		
Visitor Locker Room, Restroom, & Showers	400		

Instructional Delivery
 Objective include exposing students to a variety of activities including team sports and individual sports/activities.

 Activities include after-school sports, tournaments, integrated activities and assessments.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<p><u>Athletic Locker Room:</u></p> <ul style="list-style-type: none"> Varsity Basketball 20 – 18"x18"x72" single tier lockers J.V./Freshman Basketball 40 – 18"x18"x36" double tier lockers Varsity Volleyball 20 – 18"x18"x72" single tier lockers J.V./Freshman Volleyball 40 – 18"x18"x36" double tier lockers Varsity Cheer 20 – 18"x18"x72" single tier lockers J.V./Freshman Cheer 40 – 18"x18"x36" double tier lockers <p><u>Restrooms:</u></p> <ul style="list-style-type: none"> Toilet partitions Mirrors Toilet accessories <p><u>Coaches' Office:</u></p> <ul style="list-style-type: none"> Built in desks with storage cabinets above and 14 – 18"x18"x72 lockers 	<p><u>Restrooms:</u></p> <ul style="list-style-type: none"> OFCI toilet accessories <p><u>Locker Rooms:</u></p> <ul style="list-style-type: none"> Benches 	

GIRLS ATHLETIC LOCKER ROOMS – INDOOR SPORTS (cont.)

Location and Adjacencies	Adjacency Diagram
<p>The locker rooms will be located in relation to the following:</p> <ul style="list-style-type: none">• Immediately accessible from the main hallway (Level 1 Adjacency) with exterior access.• Near the gymnasium (Level 2 Adjacency).• Intentionally separated from the instructional areas (No Adjacency).	 <p>The diagram illustrates the spatial relationships between key areas. A horizontal purple double-headed arrow at the bottom is labeled 'Main Hall'. Above it, a light blue rounded rectangle is labeled 'Locker Rooms'. A blue arrow points from the top of the 'Locker Rooms' box to a grey rounded rectangle labeled 'Outside Area'. To the right of the 'Locker Rooms' box is a yellow rounded rectangle labeled 'Gymnasium'.</p>

GIRLS ATHLETIC LOCKER ROOMS – OUTDOOR SPORTS

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Varsity Softball Locker Room	400		20
J.V. Softball Locker Room	300		20
Varsity/J.V. Softball Restroom and Showers	300		
Varsity Soccer Locker Room	400		20
J.V. Soccer Locker Room	600		40
Varsity/J.V. Soccer Restroom & Showers	300		
Tennis/Golf Locker Room	640		40
Tennis/Golf Restroom and Showers	150		
Softball Storage	150		
Soccer Storage	150		
Tennis/Golf Storage	150		
Softball/Soccer Coaches Office	500		12
Softball/Soccer Coaches Restroom and Showers	150		
Tennis/Golf Coaches Office	200		4
Tennis/Golf Coaches Restroom and Showers	100		

Instructional Delivery
 Objective include exposing students to a variety of activities including team sports and individual sports/activities.

 Activities include after-school sports, tournaments, integrated activities and assessments.

Architect-Specified Items

Athletic Locker Room:

- Varsity Softball
20 – 24"x24"x36" double tier lockers
- J.V. Softball
20 – 18"x18"x36" double tier lockers
- Varsity Soccer
20 – 24"x24"x36" double tier lockers
- J.V. Soccer
40 – 24"x24"x36" double tier lockers
- Tennis
40 – 18"x18"x36" double tier lockers

Restrooms:

- Toilet partitions
- Mirrors
- Toilet accessories

Coaches' Office:

- Built in desks with storage cabinets above and 18"x18"x72 lockers

Owner Purchased Furniture, Fixtures & Equipment (FF&E)

Restrooms:

- OFCI toilet accessories

Locker Rooms:

- Benches

Safety and Security Provisions

Location and Adjacencies

Locate each building near the associated sport.

Adjacency Diagram

GIRLS P.E. LOCKER ROOM

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
P.E. Locker Room	600		
P.E. Restrooms & Showers	250		
P.E. Storage (under main gym seating)			

Instructional Delivery
 Objective include exposing students to a variety of activities including team sports and individual sports/activities.

Activities include after-school sports, tournaments, integrated activities and assessments.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<p><u>P.E. Locker Rooms:</u></p> <ul style="list-style-type: none"> 29 Combination type, six tier lockers (348 total 12"x12"x12" lockers) - each unit has: <ul style="list-style-type: none"> 12 - 12"x12"x12" lockers and 2 - 12"x12"x36" lockers <p><u>Restrooms:</u></p> <ul style="list-style-type: none"> Toilet partitions Mirrors Toilet accessories 	<p><u>Restrooms:</u></p> <ul style="list-style-type: none"> OFCI toilet accessories <p><u>Locker Rooms:</u></p> <ul style="list-style-type: none"> Benches <p><u>Coaches' Office:</u></p> <ul style="list-style-type: none"> Coaches' desk and chairs 	

Location and Adjacencies	Adjacency Diagram
<p>The locker rooms will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible from the main hallway (Level 1 Adjacency) with exterior access. Near the P.E. gymnasium (Level 2 Adjacency) 	<p>The diagram shows a blue box labeled 'Locker Rooms' connected by a blue arrow to a grey box labeled 'Outside Area'. To the right of the Locker Rooms is a yellow box labeled 'Gymnasium'. Below these elements is a large purple double-headed arrow labeled 'Main Hall', indicating its adjacency to the Locker Rooms.</p>

ATHLETIC SUPPORT – INDOOR SPORTS

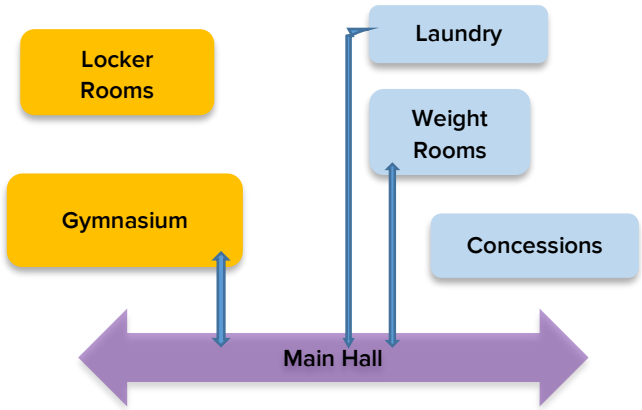
Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Competition Gymnasium:			
• Concessions (2)	350		
• Concession Storage (2)	110		
• Ticket Booths (2)	75		
• Vending	200		
• Lobby	3000		
Laundry	250		
Team Meeting Room (2)	800		
Weight Room	2000		
Training Room	675		
Training Office	120		
Training Wet Room	150		
Training Storage	120		

Instructional Delivery
 The Athletics support spaces allow for booster involvement, student weight training, laundering of P.E. clothes and uniforms and storage of all athletics and PE equipment needed to support comprehensive instruction.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<p><u>Concessions:</u></p> <ul style="list-style-type: none"> Overhead coiling door with counter Food service equipment <p><u>Weight Room:</u></p> <ul style="list-style-type: none"> Wall mirrors Sound system <p><u>Laundry:</u></p> <ul style="list-style-type: none"> Infrastructure for commercial washer/dryer including ventilation Commercial washer/dryer <p><u>Training Room:</u></p> <ul style="list-style-type: none"> Cabinet with sink Rough-in for ice machines and ice machine 	<p><u>Concessions:</u></p> <ul style="list-style-type: none"> Drink coolers <p><u>Weight Room:</u></p> <ul style="list-style-type: none"> Weight equipment <p><u>Laundry:</u></p> <ul style="list-style-type: none"> Folding tables at standing height Drying rack(s) 	

ATHLETIC SUPPORT – INDOOR SPORTS (cont.)

Location and Adjacencies	Adjacency Diagram
<p>The Athletics support spaces will be located in relation to the following:</p> <ul style="list-style-type: none">• Immediately accessible from the main hallway (Level 1 Adjacency) with exterior access• Near the locker rooms and gymnasium (Level 2 Adjacency)• Intentionally separated from the instructional areas (No Adjacency)	 <p>The diagram illustrates the spatial arrangement of athletic support spaces. A central purple double-headed arrow labeled 'Main Hall' runs horizontally. Above it, from left to right, are yellow boxes for 'Locker Rooms' and 'Gymnasium', and blue boxes for 'Laundry', 'Weight Rooms', and 'Concessions'. Blue arrows point from the 'Main Hall' to each of these five spaces, indicating direct accessibility.</p>

ATHLETIC SUPPORT – OUTDOOR SPORTS

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Laundry #1	800		
Laundry #2	150		
Weight Room #1	5200		
Team Meeting Room	1800		
Team Meeting Storage	120		
Training Room (2)	600		
Training Office (2)	150		
Training Whirlpool (2)	150		
Training Storage (2)	100		

Instructional Delivery
 The Athletics support spaces allow for booster involvement, student weight training, laundering of P.E. clothes and uniforms and storage of all athletics and PE equipment needed to support comprehensive instruction.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<p><u>Weight Room:</u></p> <ul style="list-style-type: none"> • Wall mirrors • Sound system <p><u>Laundry:</u></p> <ul style="list-style-type: none"> • Infrastructure for commercial washer/dryer including ventilation • Commercial washer/dryer <ul style="list-style-type: none"> ▪ Laundry #1 – 4 washers & 4 dryers ▪ Laundry #2 – 2 washers & 2 dryers <p><u>Training Room:</u></p> <ul style="list-style-type: none"> • Cabinet with sink • Rough-in for ice machines and ice machine. • Whirlpools (2) <p><u>Team Meeting Room:</u></p> <ul style="list-style-type: none"> • Folding Wall 	<p><u>Weight Room:</u></p> <ul style="list-style-type: none"> • Weight equipment <p><u>Laundry:</u></p> <ul style="list-style-type: none"> • Folding tables at standing height • Drying rack(s) <p><u>Training Room:</u></p> <ul style="list-style-type: none"> • Taping tables (4) 	

Location and Adjacencies	Adjacency Diagram
<p>The Athletics support spaces will be located in relation to the athletic sports locker rooms.</p>	

ATHLETIC SUPPORT & GENERAL OUTDOOR SUPPORT

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Football Field:			
• Concessions	300		
• Concession Storage	90		
• Storage	310		
• Men's & Women's restrooms to serve Stadium	TBD		
• Ticket Booth	60		
Tennis Building:			
• Concessions	160		
• Concession Storage	70		
• Storage	200		
• Men's Restrooms	60		
• Women's Restrooms	60		
• Boy's & Girl's Locker Rooms (see Outdoor Athletics Pages)			
• Coaches Offices & Restrooms (see Outdoor Athletics Pages)			
Baseball/Softball Field House (see Outdoor Athletics Pages)			
Baseball Press Box & Concessions:			
• Press Box	132		
• Concessions	150		
• Concession Storage	75		
Softball Press Box & Concessions:			
• Press Box	132		
• Concessions	200		
Irrigation Building	650		
Storage Building / Misc. Outdoor Maintenance Storage	1500		

Instructional Delivery
 The Athletics support spaces allow for booster involvement and storage of all athletics and P.E. equipment needed to support comprehensive instruction.

Architect-Specified Items

Concessions:

- Overhead coiling door with counter
- Food service equipment

Owner Purchased Furniture, Fixtures & Equipment (FF&E)

Concessions:

- Drink coolers

Storage:

- Metal Shelving

Safety and Security Provisions

Location and Adjacencies

The Athletics support spaces will be located in relation to the following:

- Locate each building near the associated sport. Men's and Women's restroom fixture count is dependent of the number of spectators served.

Adjacency Diagram

RESTROOMS

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Student Restroom	350		
General Restroom	350		
Staff Restroom	65		

Function
Provide restroom functions for students, staff and visitors.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<ul style="list-style-type: none"> Toilet partitions Mirrors Toilet accessories 	<ul style="list-style-type: none"> OFCI toilet accessories 	<ul style="list-style-type: none"> Cameras at door opening to hallway Mirrors in appropriate locations Minimize blind corners to decrease potential conflicts Hotel function door hardware at staff restrooms

Location and Adjacencies	Adjacency Diagram
<p>The student and staff restrooms will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible from the instructional areas (Level 1 Adjacency). <p>The general restrooms will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible from the core areas (Level 1 Adjacency) and available for use when only that area is accessible to the public. 	<p>The diagram illustrates the adjacency of restrooms to other areas. It features two rows of elements. The top row has a green box labeled 'Staff/Student Restroom' on the left and a yellow box labeled 'Instructional Areas' on the right. A purple double-headed arrow labeled 'CORRIDOR' connects them. The bottom row has a green box labeled 'General Restrooms' on the left and a yellow box labeled 'Core Areas' on the right. A purple double-headed arrow labeled 'CORRIDOR' connects them. Blue arrows point from the 'Staff/Student Restroom' box down to the 'CORRIDOR' arrow, and from the 'General Restrooms' box down to its 'CORRIDOR' arrow.</p>

MECHANICAL, ELECTRICAL, TECHNOLOGY, CUSTODIAL

Space Requirements

Space	Min. SF	SF per Student	Max. Occupancy
Mechanical	Per design		
Electrical	Per design		
Technology	Per design		
Custodial	Per design		
Central Receiving	825		
Maintenance Office	250		
Maintenance Storage	300		

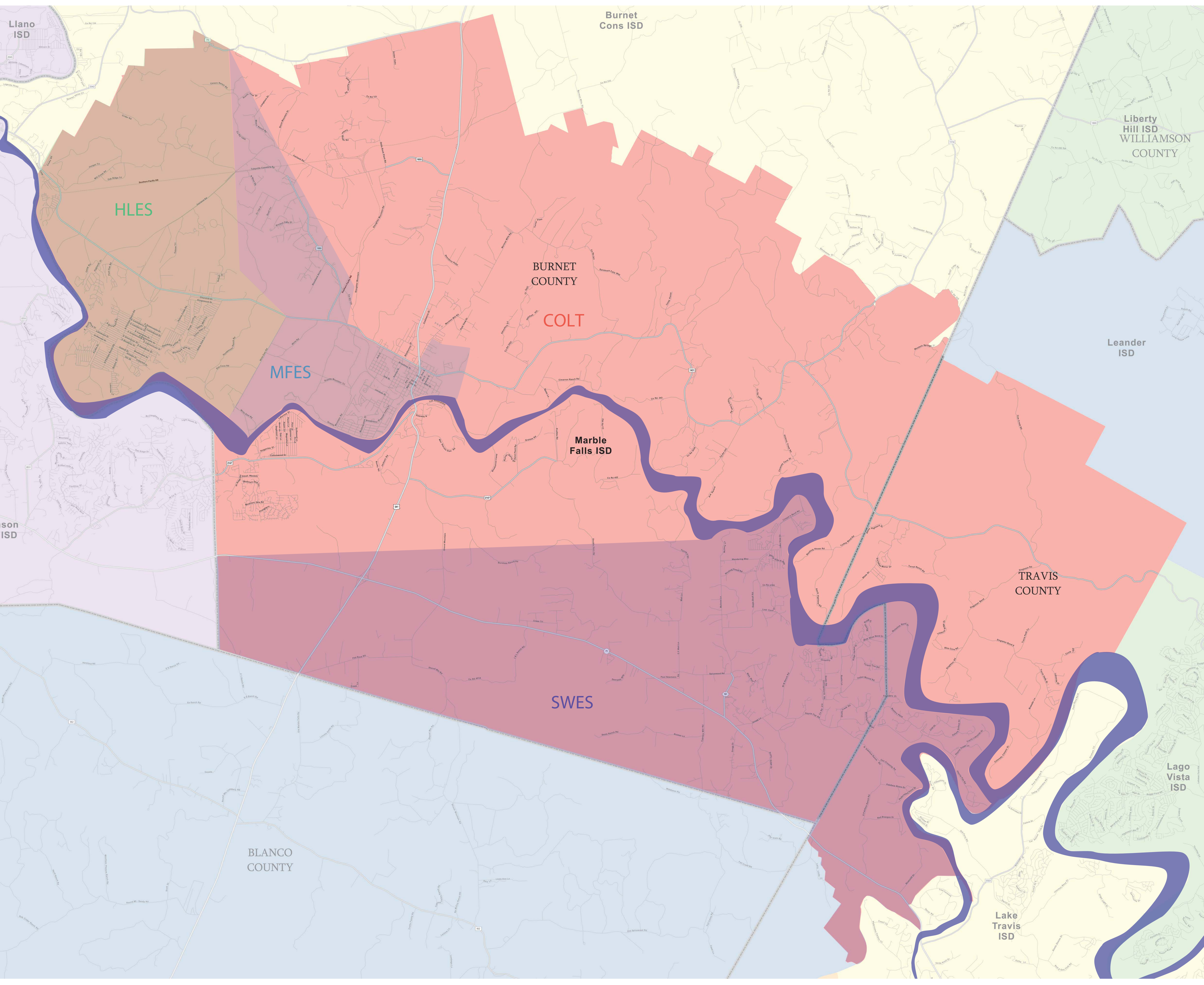
Function
 These spaces support the operations of the building, including heating/cooling, lighting, technology use, facility cleaning, and maintenance.

Architect-Specified Items	Owner Purchased Furniture, Fixtures & Equipment (FF&E)	Safety and Security Provisions
<p><u>Mechanical:</u></p> <ul style="list-style-type: none"> All equipment <p><u>Electrical:</u></p> <ul style="list-style-type: none"> All panels and equipment <p><u>Technology:</u></p> <ul style="list-style-type: none"> Infrastructure <p><u>Custodial:</u></p> <ul style="list-style-type: none"> Mop sink Racks 	<ul style="list-style-type: none"> Miscellaneous equipment Server racks Metal storage shelving 	<p>None of these spaces will have glazing.</p> <p>The spaces will have keyed access for staff members who need access to perform their assigned duties.</p>

Location and Adjacencies	Adjacency Diagram
<p>The support spaces will be located in relation to the following:</p> <ul style="list-style-type: none"> Immediately accessible from the main hall (Level 1 Adjacency). Scattered around the building to provide efficiency and maximize performance. Central Receiving with overhead door and dock at service drive. 	

APPENDIX





Burnet
Cons ISD

Liberty
Hill ISD
WILLIAMSON
COUNTY

Leander
ISD

TRAVIS
COUNTY

Lago
Vista
ISD

Lake
Travis
ISD

BLANCO
COUNTY

BURNET
COUNTY

COLT

Marble
Falls ISD

SWES

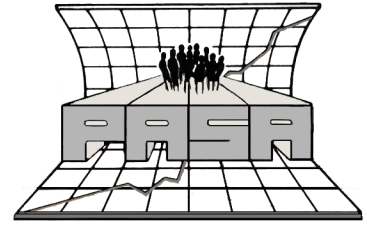
HLES

MFES

Llano
ISD

son
ISD

July, 2016



Population and Survey Analysts
www.pasademographics.com
979.693.8962

Demographic Update

Housing Projections ◦ Economic Trends
Ratios of Students per Household ◦ Student Enrollment
Projections ◦ Long Range Planning

Marble Falls

Independent School District

Executive Summary



Population and Survey Analysts (PASA) has recently completed a Demographic Update for Marble Falls I.S.D., and the findings are summarized herein. The Demographic Update included the study of current student locations, potential growth based on new housing, trends occurring in student relocation patterns throughout the District, and economic factors relevant to both the District and the nation. PASA projects student data for a school district by using forward-looking techniques, and does not rely strictly on past rates of change.

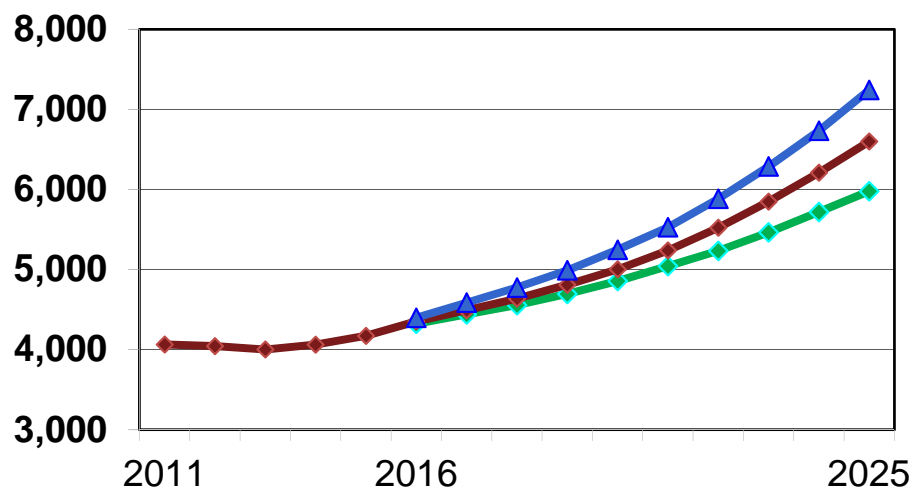
Districtwide Projections

After evaluating the current student population, recent trends in geo-coded students, projected additional housing occupancies and their resulting student yields, and the over-arching economic and employment concerns, PASA finds the following projected student population by grade group:

	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
EE-5th	2,144	2,248	2,356	2,480	2,624	2,766	2,947	3,108	3,281	3,452
6th-8th	938	979	988	1,009	1,041	1,087	1,144	1,254	1,363	1,488
9th-12th	1,273	1,267	1,295	1,322	1,339	1,388	1,434	1,488	1,568	1,662
Total:	4,355	4,494	4,639	4,811	5,004	5,240	5,524	5,850	6,211	6,602

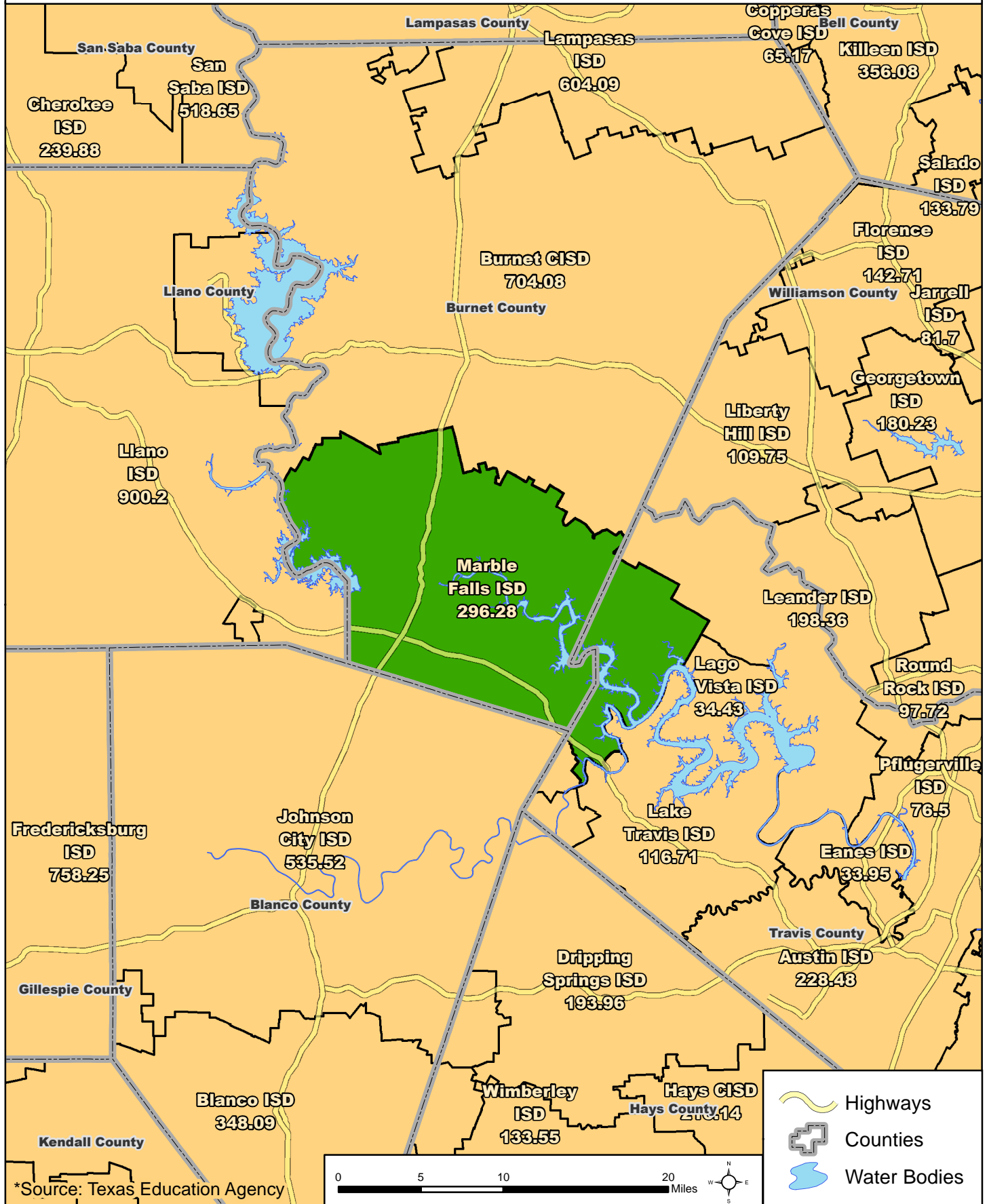
Three Scenarios of Growth

PASA takes a “conservative” approach to projecting growth, and develops a Low, Moderate, and High scenario of growth for each of the years in the projection period. These scenarios are shown on a graph below, with supporting data and complete projections found in the attached Chapter 5.



School District Area in Square Miles

Marble Falls I.S.D.



*Source: Texas Education Agency

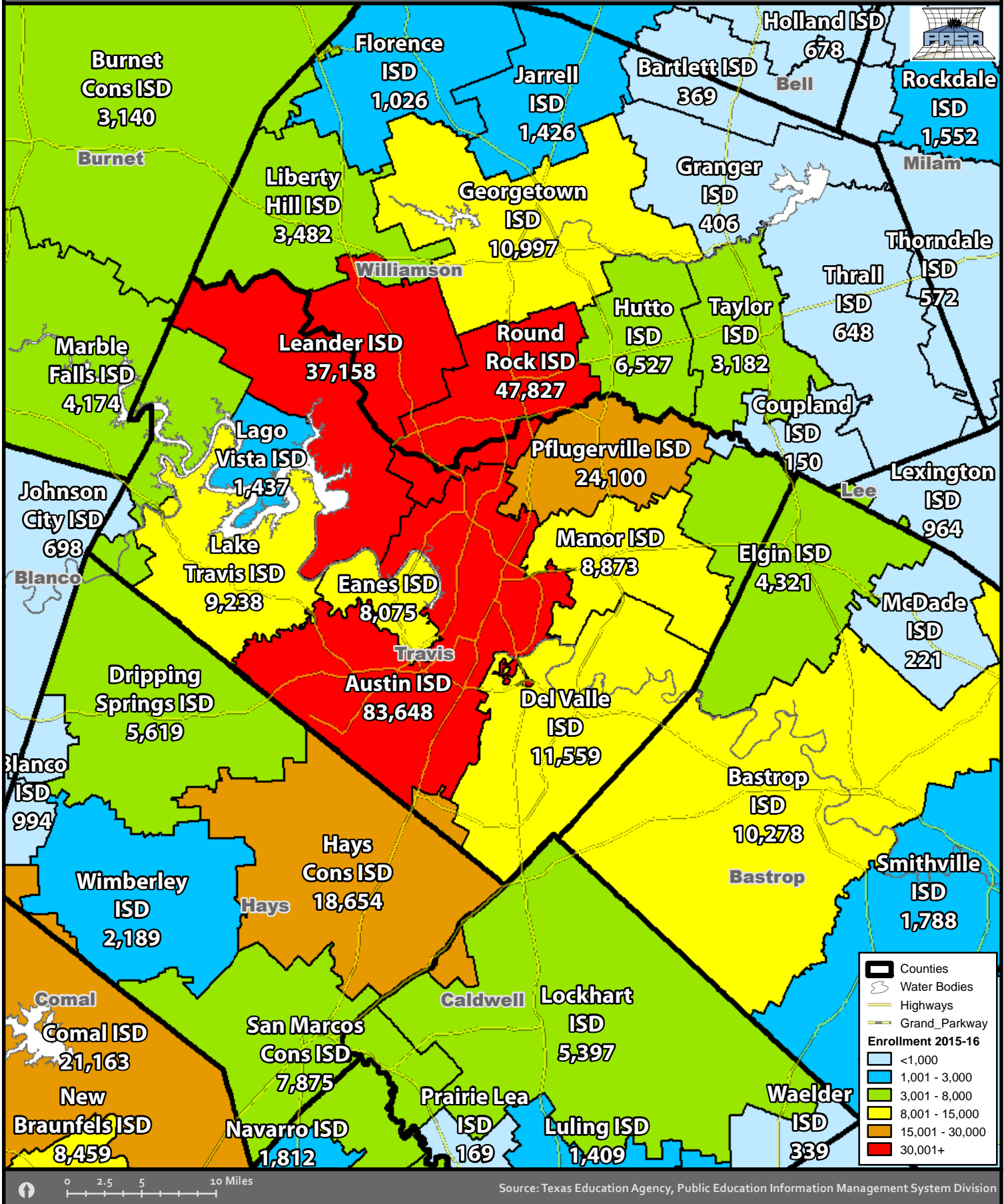


- Highways
- Counties
- Water Bodies

Total Public School Enrollment

2015-16 School Year

AUSTIN

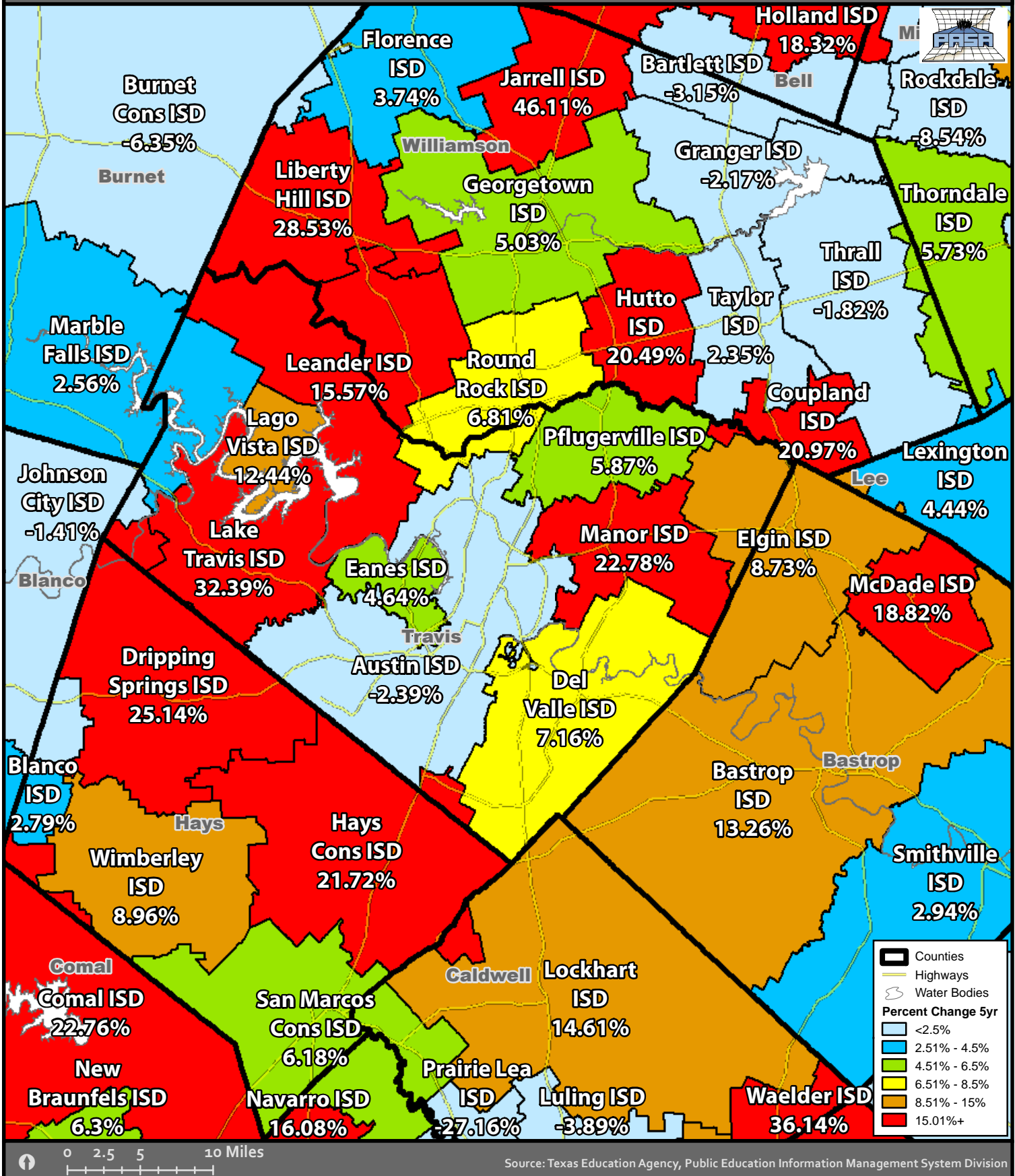


Source: Texas Education Agency, Public Education Information Management System Division

Percent Change in School District Enrollment

5-Year Change: 2010-11 to 2015-16

AUSTIN

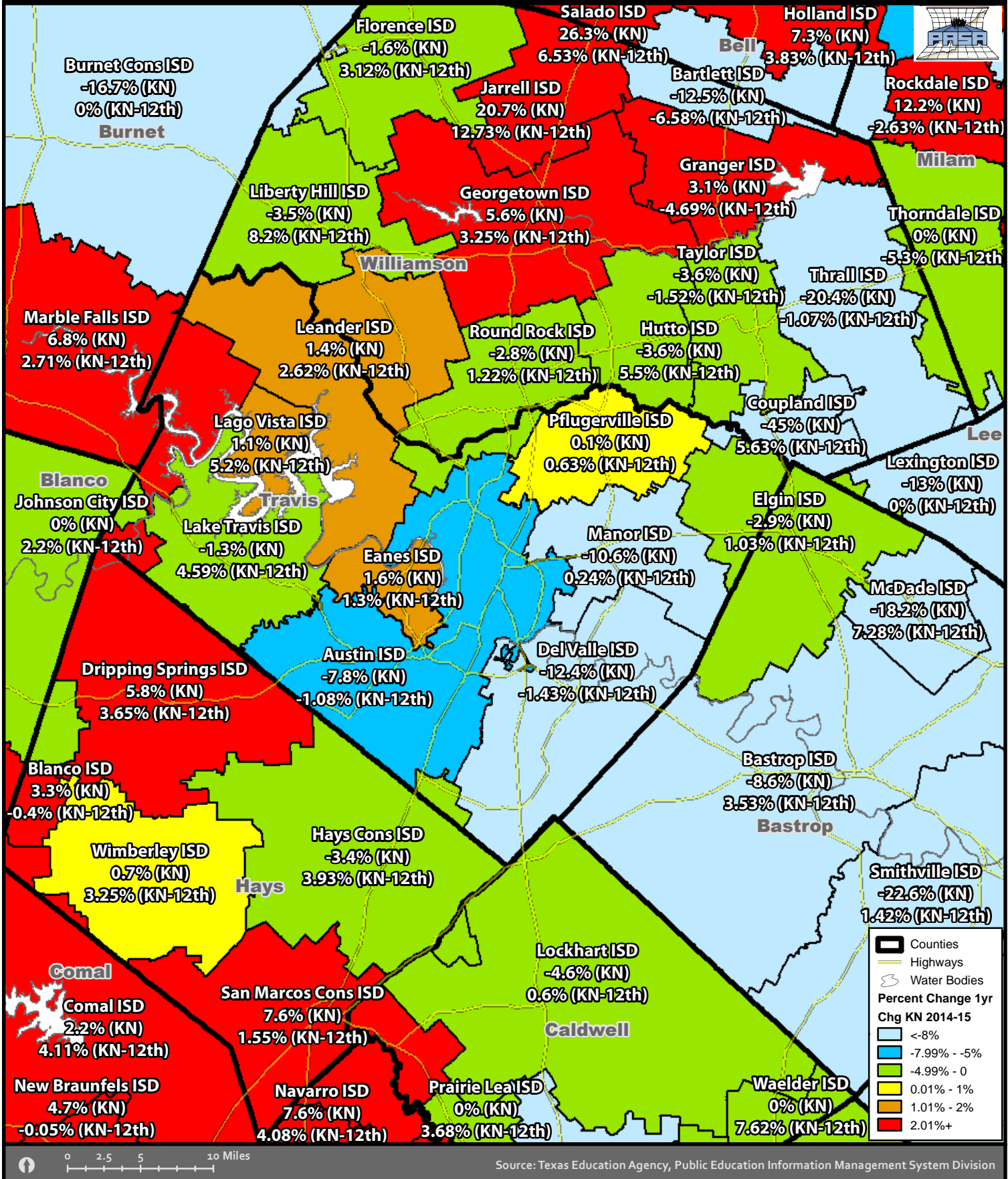


Source: Texas Education Agency, Public Education Information Management System Division

Growth/Decline in KN Class Size (Relative to District Growth/Decline)

1-Year Change: 2014-15 to 2015-16

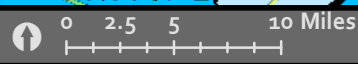
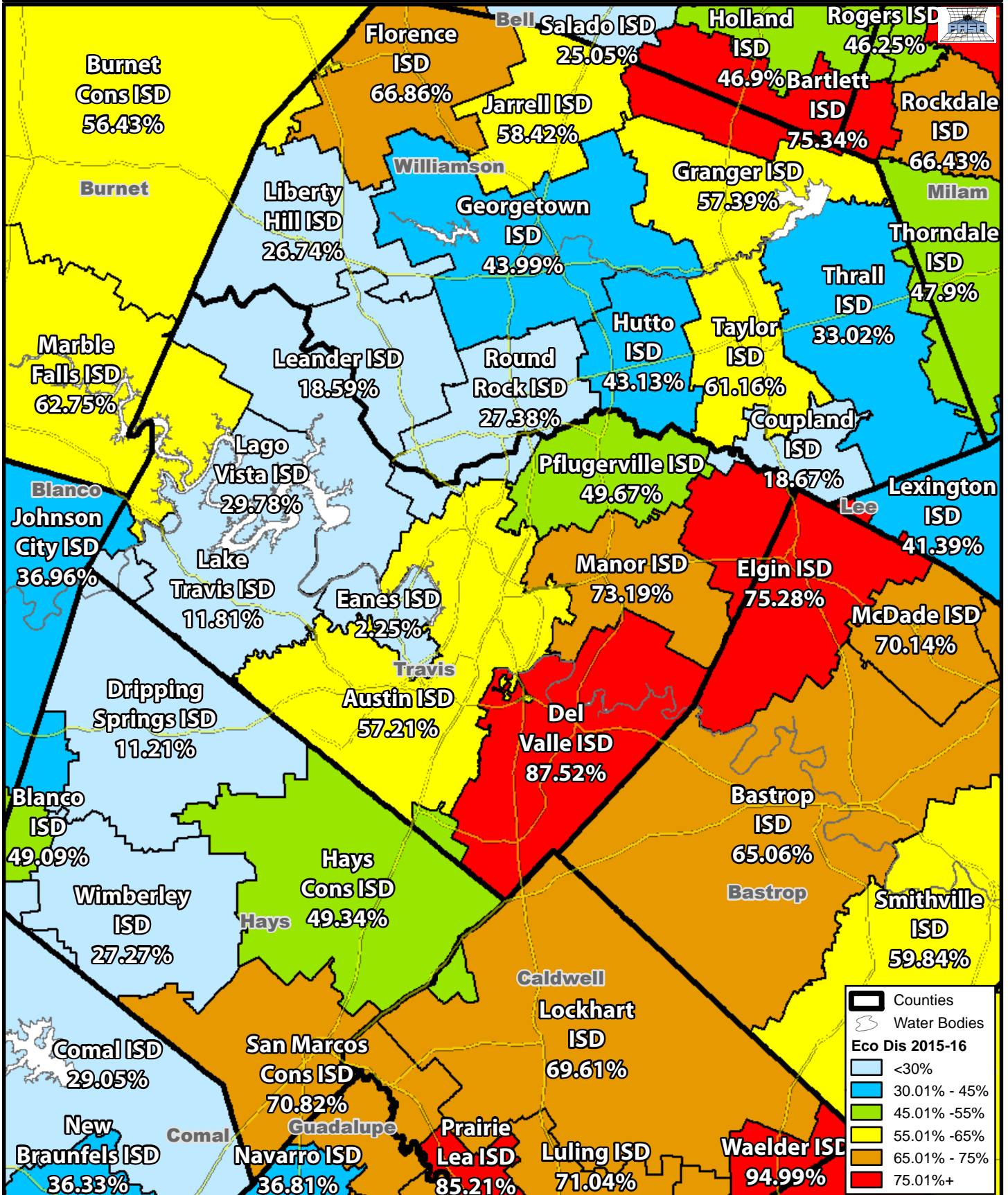
AUSTIN



Economically Disadvantaged Student Population

2015-16 School Year

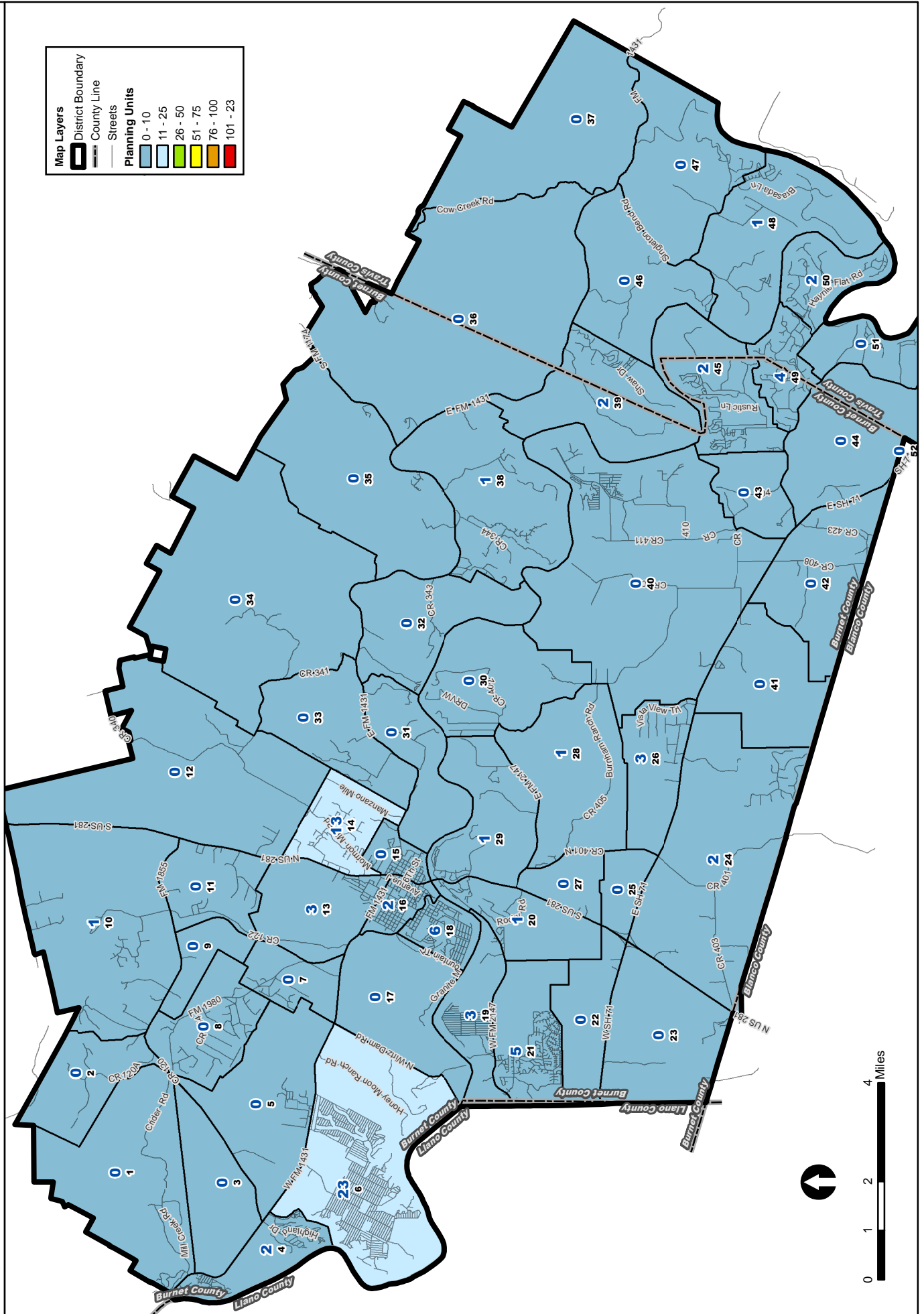
AUSTIN



Source: Texas Education Agency, Public Education Information Management System Division

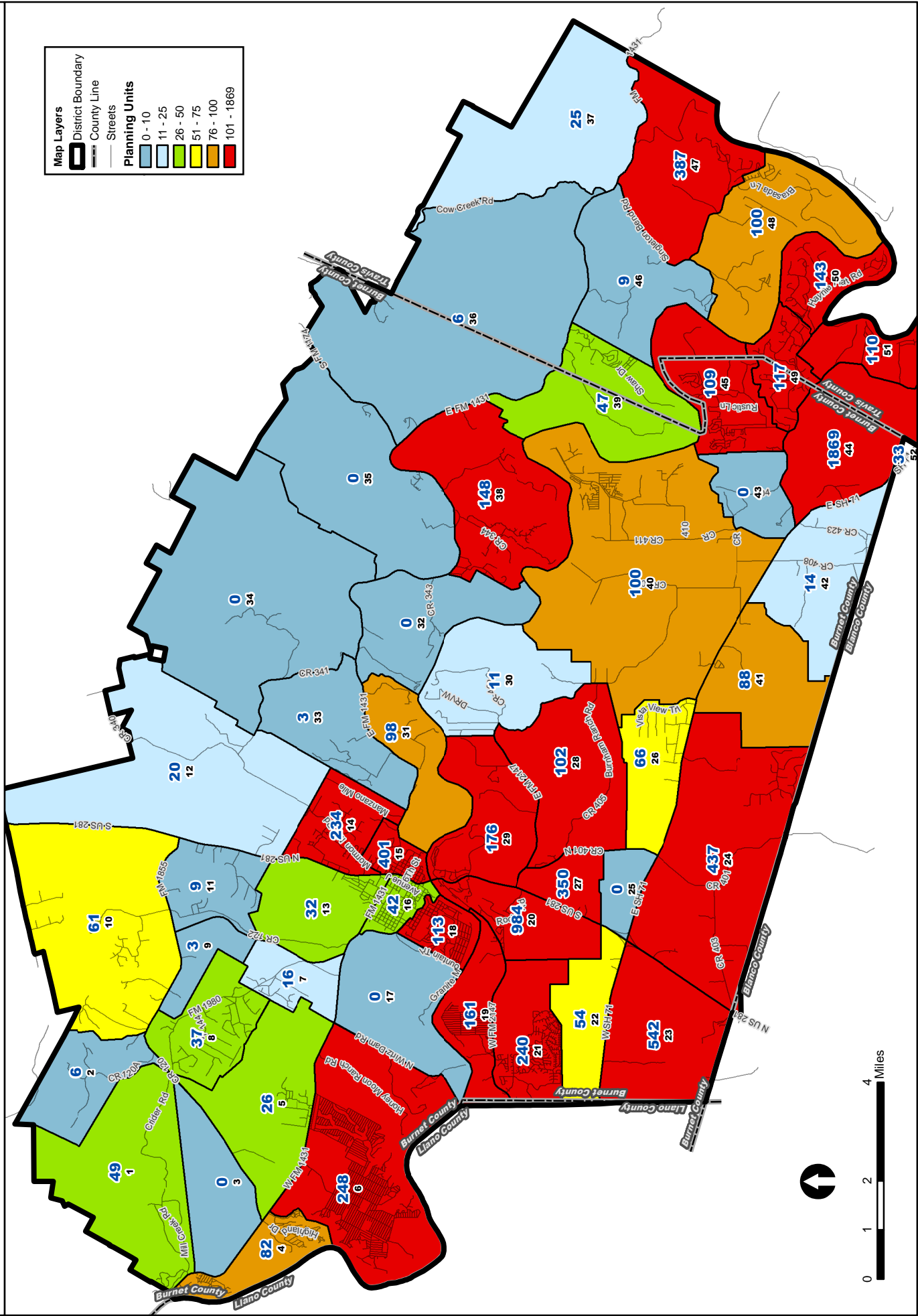
Projected New Housing Occupancies

May 2016 to October 2016



Projected New Housing Occupancies

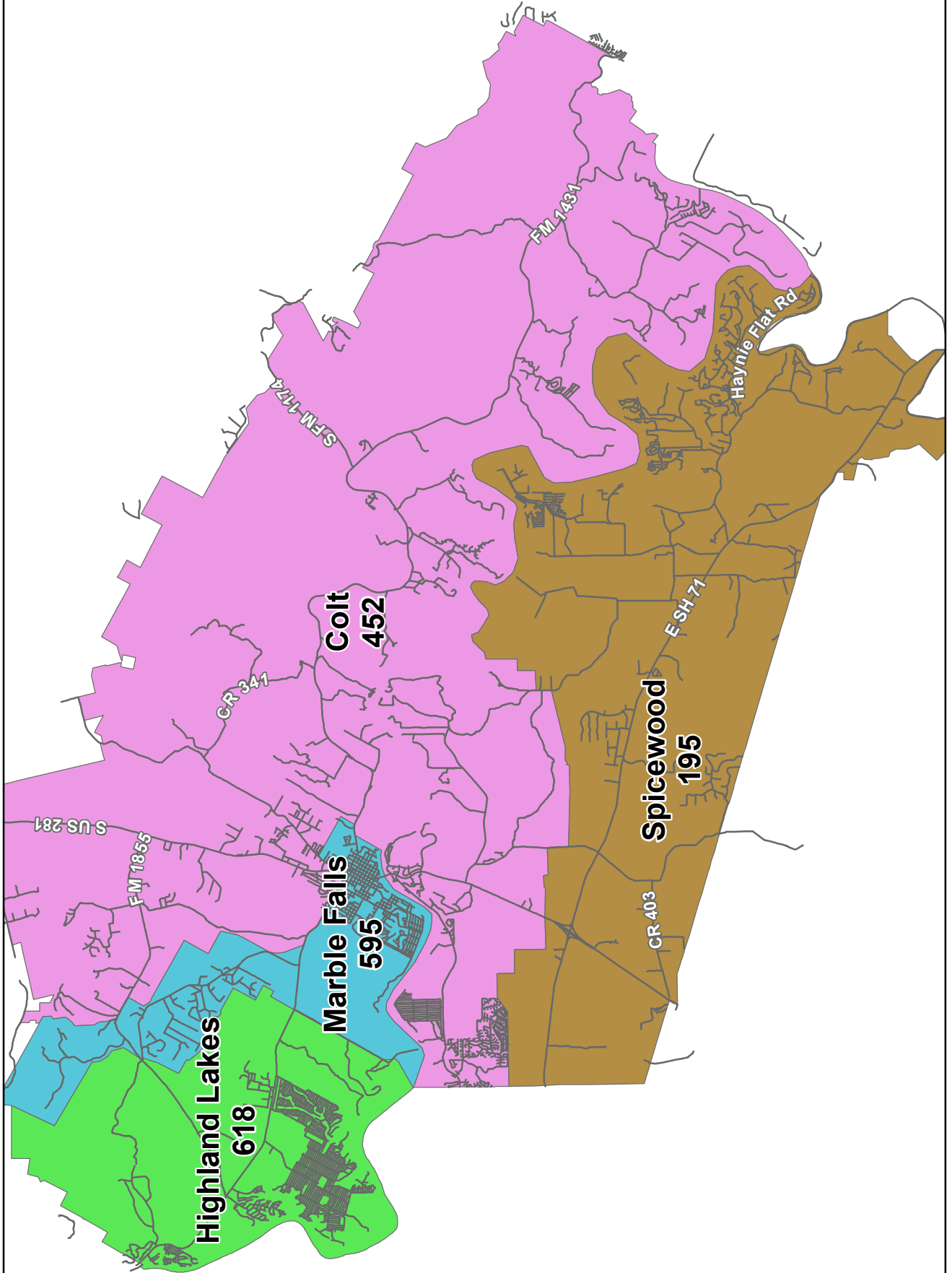
October 2016 to October 2025





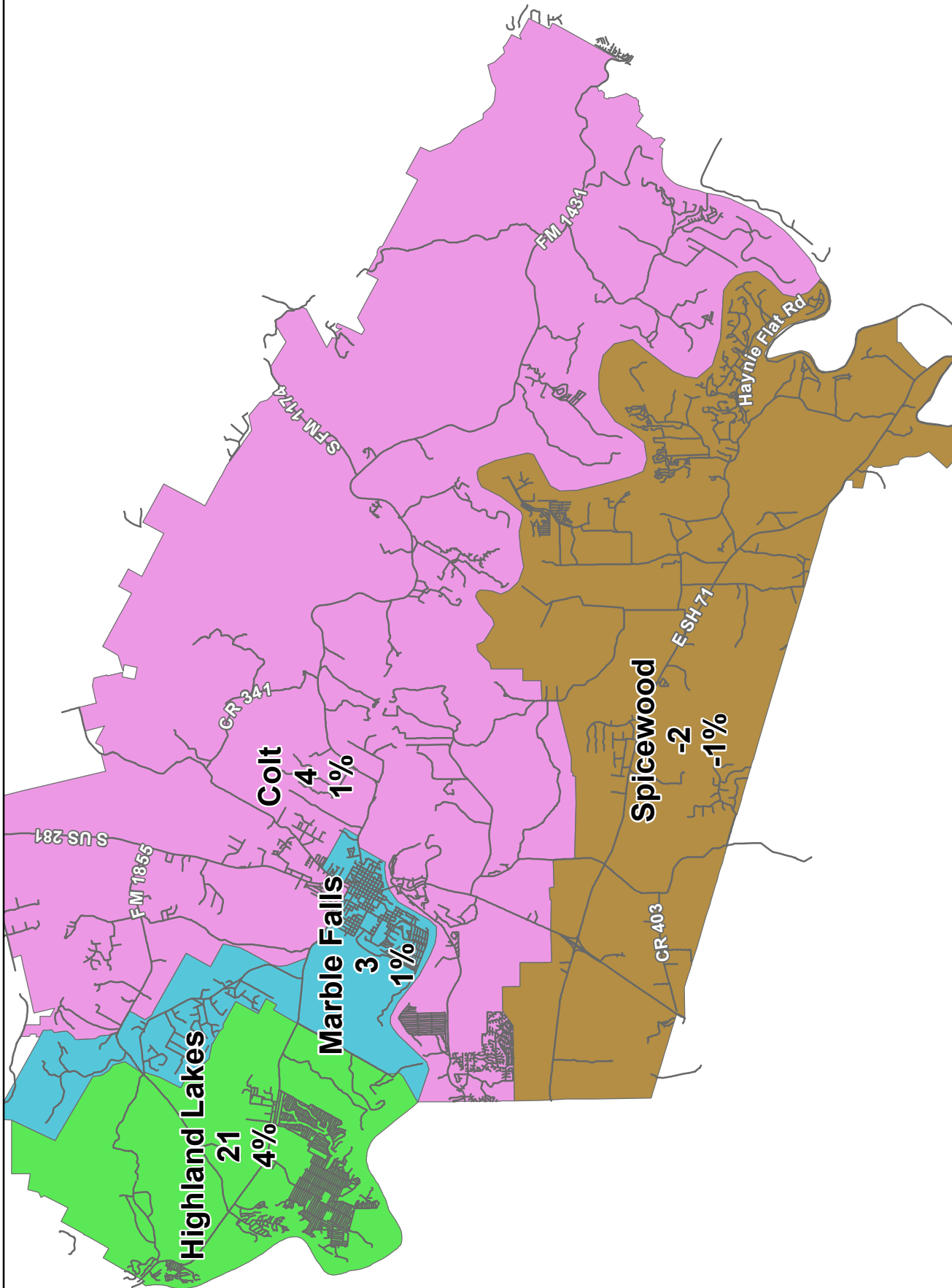
Marble Falls I.S.D.

Current Geo-coded EE-5th Grade Students, October 2015



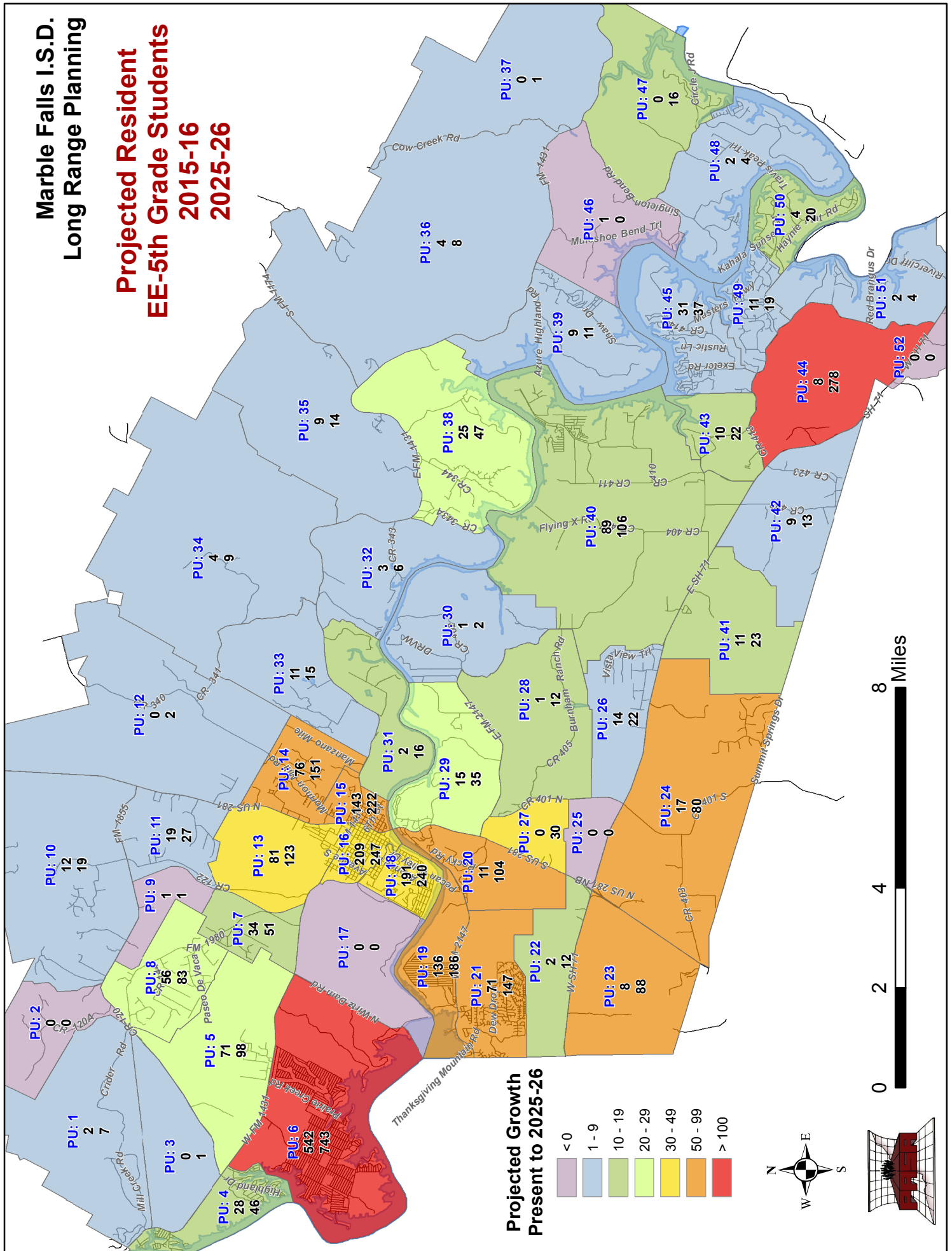


**Marble Falls I.S.D. Absolute and Percent Change in Geo-coded EE-5th Grade Students
October 2014 to October 2015**



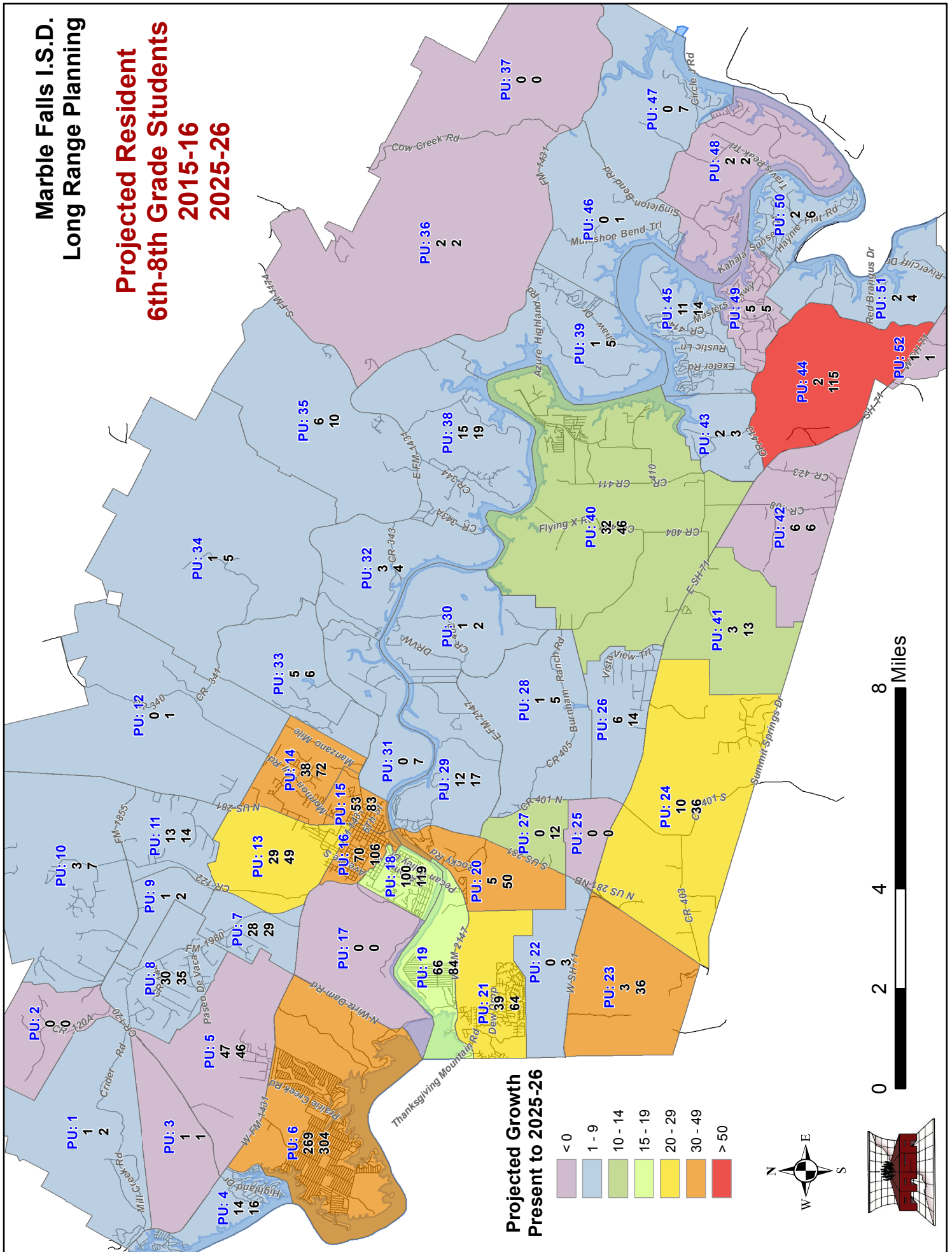
**Marble Falls I.S.D.
Long Range Planning**

**Projected Resident
EE-5th Grade Students
2015-16
2025-26**



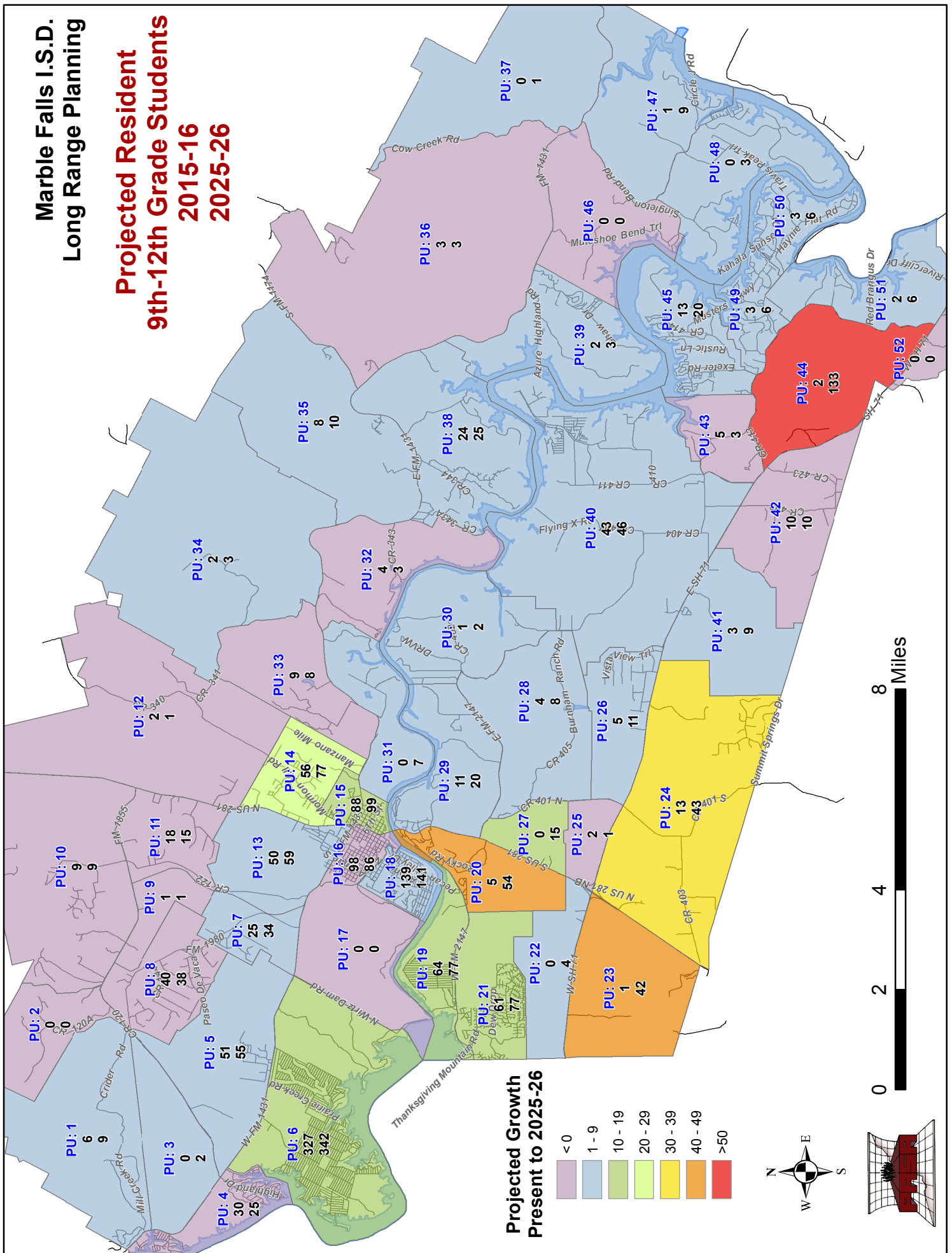
Marble Falls I.S.D. Long Range Planning

Projected Resident 6th-8th Grade Students 2015-16 2025-26



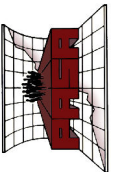
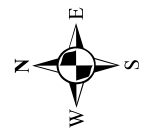
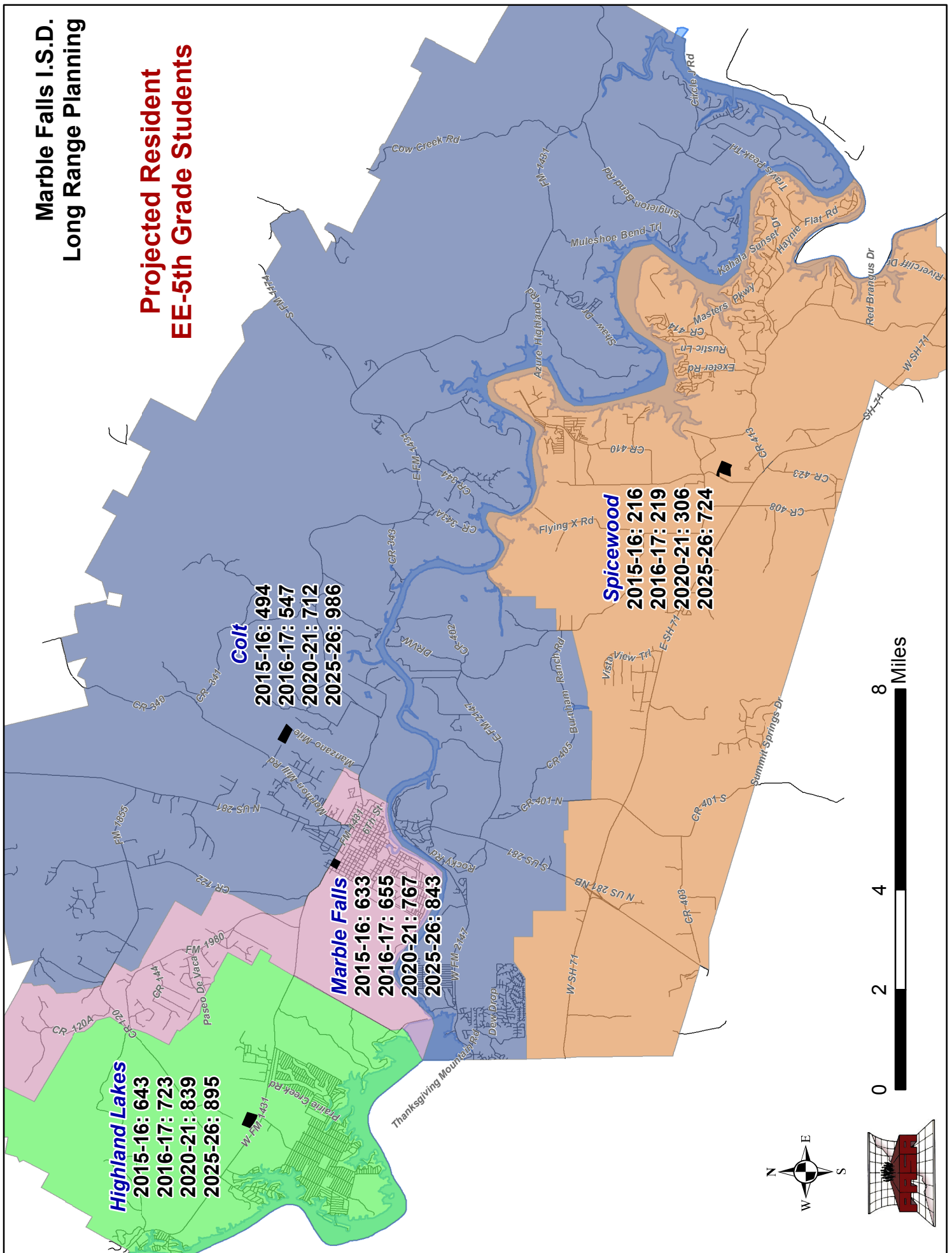
**Marble Falls I.S.D.
Long Range Planning**

**Projected Resident
9th-12th Grade Students
2015-16
2025-26**



**Marble Falls I.S.D.
Long Range Planning**

**Projected Resident
EE-5th Grade Students**



Marble Falls Independent School District
Facility Condition Assessment

Executive Summary Report

February 10, 2017



Prepared by

Alpha
Facilities Solutions

Overview of Findings

The Facility Condition Assessment and *CapitalForecastDirect* implementation project included 35 permanent and 14 portable facilities, with approximately 774,000 square feet. The current FCI for the facilities assessed is 15%, while the forecast FCI in five years is projected to be 24%, assuming current facility sustainment funding levels. The following are general observations made by the assessment team.

1. The following “top five” rankings use needs generated from CapitalForecastDirect, for the time frame of backlog through 2031.

- The top five total costs for system renewals and component deficiencies include:

HVAC	\$16,864,280
Interior Finishes	\$11,679,216
Site Infrastructure	\$8,614,237
Electrical	\$8,247,120
Exterior Enclosure	\$4,076,386

- The top five number of needs created in CapitalForecastDirect by system include:

Site Infrastructure	189
Interior Finishes	100
HVAC	86
Interior Construction	68
Electrical	57

- The top five “average cost per need” by system include:

HVAC	\$196,096
Electrical	\$144,686
Interior Finishes	\$116,792
Equipment and Furnishings	\$115,676
Plumbing	\$110,914

- The top five “buildings of concern” requiring immediate investment to achieve and maintain a sustainable posture include (with FCI):

Transportation Facility	62%
Marble Falls ES, Fifth Grade Building	55%
Marble Falls ES, Granite Building	40%
High School, Main Building	39%
High School, Field House	20%

2. Routine maintenance activities appear to be being conducted in an effective manner.
3. Charge indicator lamps are not lit at emergency light fixtures in many locations, indicating reliability may be compromised.
4. Roof coverings: Most roof systems are in good condition, but some roof coverings require attention. Gutters and downspouts are needed in several locations, while moisture damage in acoustic ceiling tiles was noted at several locations.

Figure 3: Current Needs (2016): Marble Falls Independent School District

Current Total: \$23,209,346

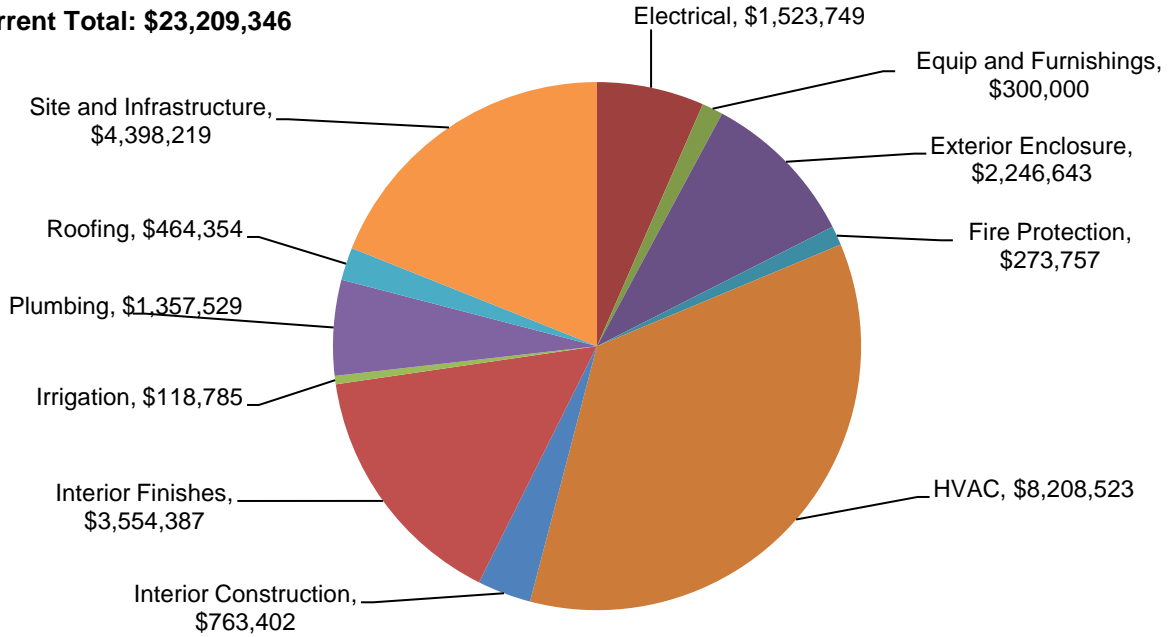
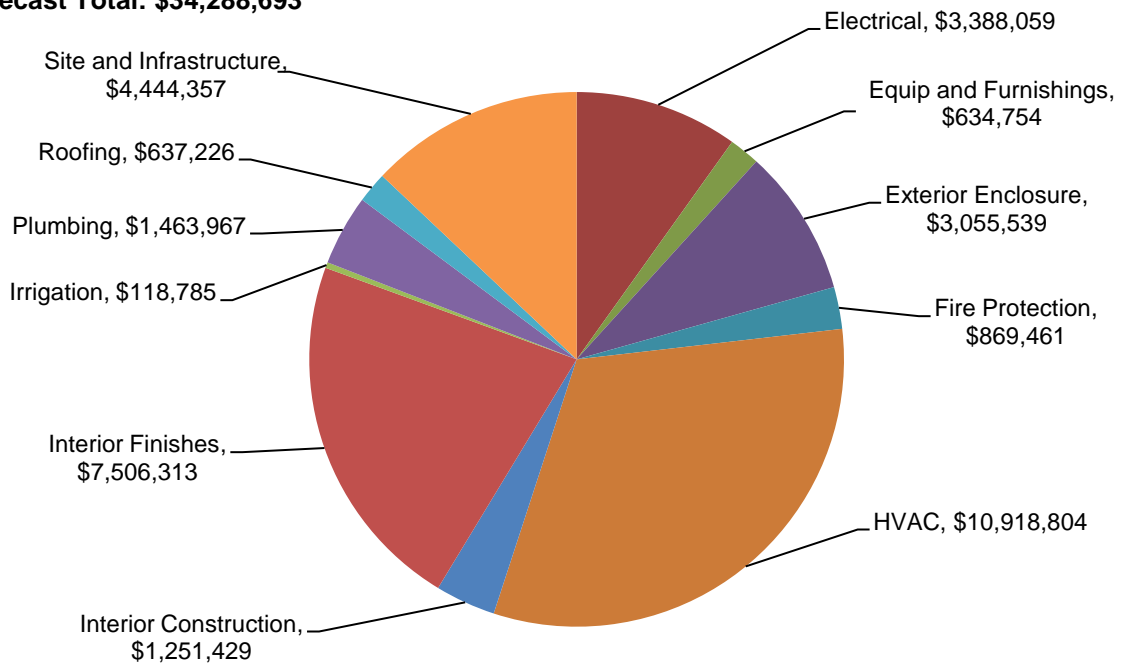


Figure 4: Forecasted Needs (2021): Marble Falls Independent School District

Forecast Total: \$34,288,693



Figures below show the current and forecasted needs respectively for all District facilities grouped by School Type.

Figure 5: Current Needs (2016): Marble Falls Independent School District by School Type

Current Total: \$23,209,347

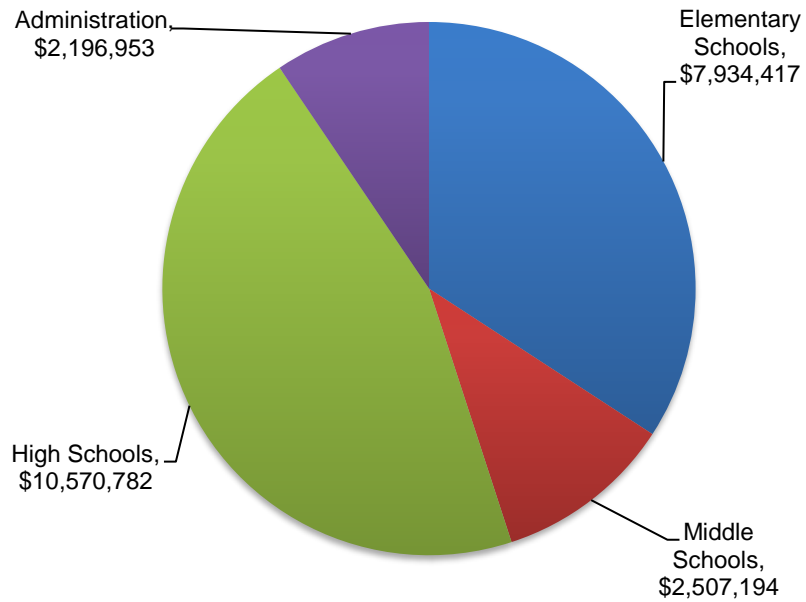


Figure 6: Forecasted Needs (2021): Marble Falls Independent School District by School Type

Forecasted Total: \$34,288,694

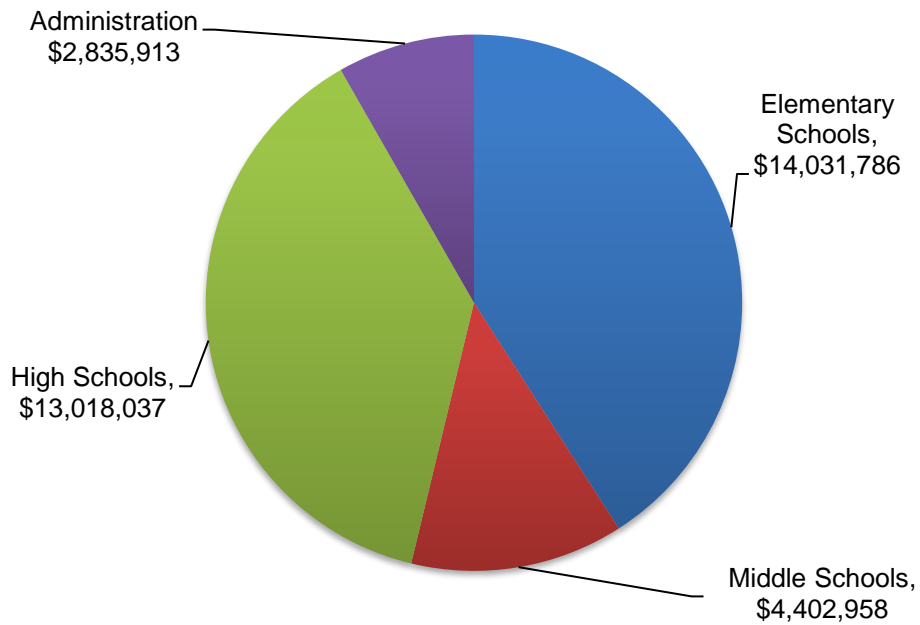


Table below summarizes findings by site. Please note the second column labeled “Age (Years)” indicates the age range of facilities located at each site and the column labeled “Total Needs 2021” assumes no additional capital renewal funding is provided.

Table 3: Facility Description: Summary of Findings – Marble Falls Independent School District

Building Name	Age (Years)	Area (SF)	Total Needs 2016	Current Replacement Value	2016 FCI%	Total Needs 2021	2021 FCI%
Central Office	18-38	32,700	\$153,833	\$4,878,004	3	\$506,550	10
Colt Elementary School	6	81,833	\$345,715	\$13,635,996	3	\$1,006,925	7
Falls Career High School	31	15,000	\$456,066	\$2,496,600	18	\$493,866	20
High School	1-32	220,069	\$8,472,438	\$32,536,309	26	\$10,863,304	33
Highland Lakes Elementary School	12-18	98,193	\$2,180,463	\$16,108,957	14	\$4,828,672	30
Maintenance Facility	7-18	8,900	\$118,903	\$1,404,918	8	\$164,443	12
Marble Falls Elementary School	12-126	116,830	\$3,945,683	\$18,817,877	21	\$4,876,792	26
Middle School	18-49	128,013	\$1,839,005	\$21,198,434	9	\$3,729,190	18
Spicewood Elementary School	12	61,062	\$545,845	\$10,174,883	5	\$2,386,986	23
Technology Center	13	5,000	\$4,200	\$827,600	1	\$174,120	21
Transportation Facility	30	6,000	\$630,191	\$1,017,600	62	\$694,703	68
SUBTOTAL:		773,600	18,692,343	123,097,179	15	29,725,552	24
Site and Infrastructure			\$4,398,219			\$4,444,357	
Irrigation			\$118,785			\$118,785	
Totals:		773,600	\$23,209,347	\$123,097,179		\$34,288,694	

The following table illustrates the current estimated infrastructure needs by campus.

Table 4: Summary of Current Site Infrastructure and Utility Deficiencies – Marble Falls Independent School District

Name	Year Built	Age (Years)	Address	Current Estimated Infrastructure Need
Colt Elementary School	2010	6	2200 Manzano Mile, Marble Falls, TX 78654	\$140,490
Highland Lakes Elementary School	1998	18	8200 Hwy 1431 W, Granite Shoals, TX 78654	\$345,953
Marble Falls Elementary School	1991	25	901 Avenue U, Marble Falls, TX 78654	\$226,035
Spicewood Elementary School	2004	12	1005 Spur 191, Spicewood, TX 78669	\$139,709
Marble Falls Middle School	1984	32	1511 Pony Dr. Marble Falls, TX 78654	\$658,339
Marble Falls High School	1984	32	2101 Mustang Dr. Marble Falls, TX 78654	\$1,580,728
Marble Falls Career High School	1978	38	1800 Colt Cir, Marble Falls, TX 78654	\$20,150
Marble Falls ISD Central Administration	1978	38	1800 Colt Cir, Marble Falls, TX 78654	\$237,590
Marble Falls ISD Maintenance	1998	18	306 Industrial Dr. Marble Falls, TX 78654	\$276,700
Marble Falls ISD Transportation	1986	30	1800 Colt Cir, Marble Falls, TX 78654	\$772,525
Total Estimated Needs:				\$4,398,219

Note: Estimates derived from visual assessments, facility interviews, and assumptions.

The following table illustrates the current estimated irrigation needs by campus:

Table 5: Summary of Current Irrigation Deficiencies – Marble Falls Independent School District

Name	Year Built	Age (Years)	Current System Replacement Cost	Current Estimated Irrigation Need
Colt Elementary School	1987	29	\$70,300	\$12,375
Highland Lakes Elementary School	1998	18	\$7,400	\$48,000
Marble Falls Elementary School	2010	6	\$2,050	\$1,075
Spicewood Elementary School	2004	12	\$14,800	\$3,075
Marble Falls Middle School	1987	29	\$44,400	\$9,850
Marble Falls High School	1984	32	\$210,000	\$41,400
Marble Falls Central Administration Building	2010	6	\$5,550	\$1,060
Marble Falls Technology Building	2003	13	\$9,250	\$1,950
Total Estimated Needs:				\$118,785

Note: Estimates derived from visual assessments, facility interviews, and assumptions.

Please note that requirements have been derived from visual observations, interviews with maintenance personnel, and assumptions. Assumptions made are shown below:

- For any valve that was not observed or functioning, we assumed that the valve needs to be replaced
- For any head that was not observed or functioning, we assumed that the head needs to be replaced
- Areas where water was erupting from the ground were assumed to have broken pipes
- Controllers displaying error messages were assumed to be in need of replacement
- All parts are original unless otherwise indicated during facility personnel interviews

Elementary Schools

The project included facilities at four locations totaling approximately 357,918 square feet. The table below contains location-specific information regarding current and forecast Facility Condition Indices. A comprehensive list of expired systems and those expected to expire between now and the Year 2031 is shown in the Forecasted Needs Summarized by System: Elementary Schools Table.

Table 6: Facility Description: Summary of Findings - Elementary Schools

Building Name	Age (Years)	Area (SF)	Total Needs 2016	Current Replacement Value	2016 FCI%	Total Needs 2021	2021 FCI%
Colt Elementary School	6	81,833	\$345,715	\$13,635,996	3	\$1,006,925	7
Highland Lakes Elementary School	12-18	98,193	\$2,180,463	\$16,108,957	14	\$4,828,672	30
Marble Falls Elementary School	18-126	116,830	\$3,945,683	\$18,817,877	21	\$4,876,792	26
Spicewood Elementary School	12	61,062	\$545,845	\$10,174,883	5	\$2,386,986	23
SUBTOTAL:		357,918	\$7,017,705	\$58,737,713	12	\$13,099,376	22
Site and Infrastructure			\$852,187			\$867,885	
Irrigation			\$64,525			\$64,525	
Totals:		357,918	\$7,934,417	\$58,737,713		\$14,031,786	

Note: The cumulative FCI for the elementary school facilities assessed is 12% while the cumulative FCI in 5 years is estimated to be 22% assuming current sustainment levels

Figures below show the current and forecasted needs respectively for all Elementary School locations grouped by system.

Figure 11: Current Needs (2016): Elementary Schools

Current Total: \$7,934,417

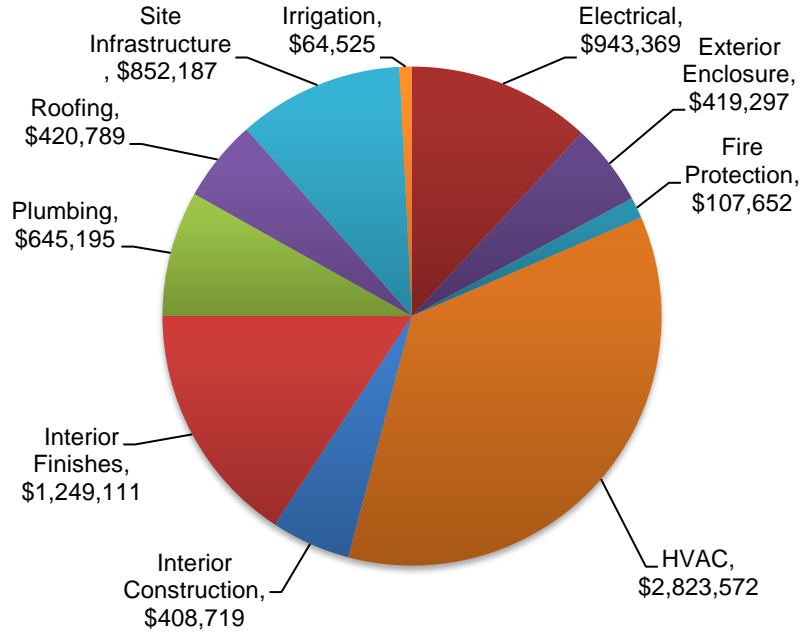
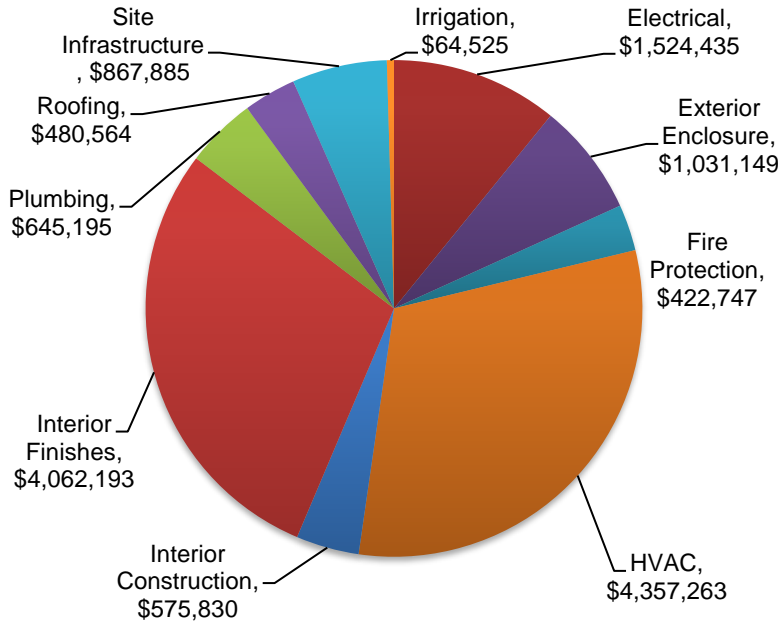


Figure 12: Forecasted Needs (2021): Elementary Schools

Forecast Total: \$14,301,786



Note: Forecasted Needs (2021) include Current Needs (2016)

RENEWAL FORECAST

The renewal forecast below for Elementary School locations shows the current backlog and projected facility sustainment requirements over the next 15 years. Please note the renewal forecast does not include potential costs associated with asbestos abatement, seismic evaluation; seismic retrofitting; hazardous material inspection, evaluation, and mitigation; and NFPA 101 and ADA upgrades. The renewal forecast is shown below:

Figure 13. Forecasted Needs Summarized by Reporting Period: Elementary Schools

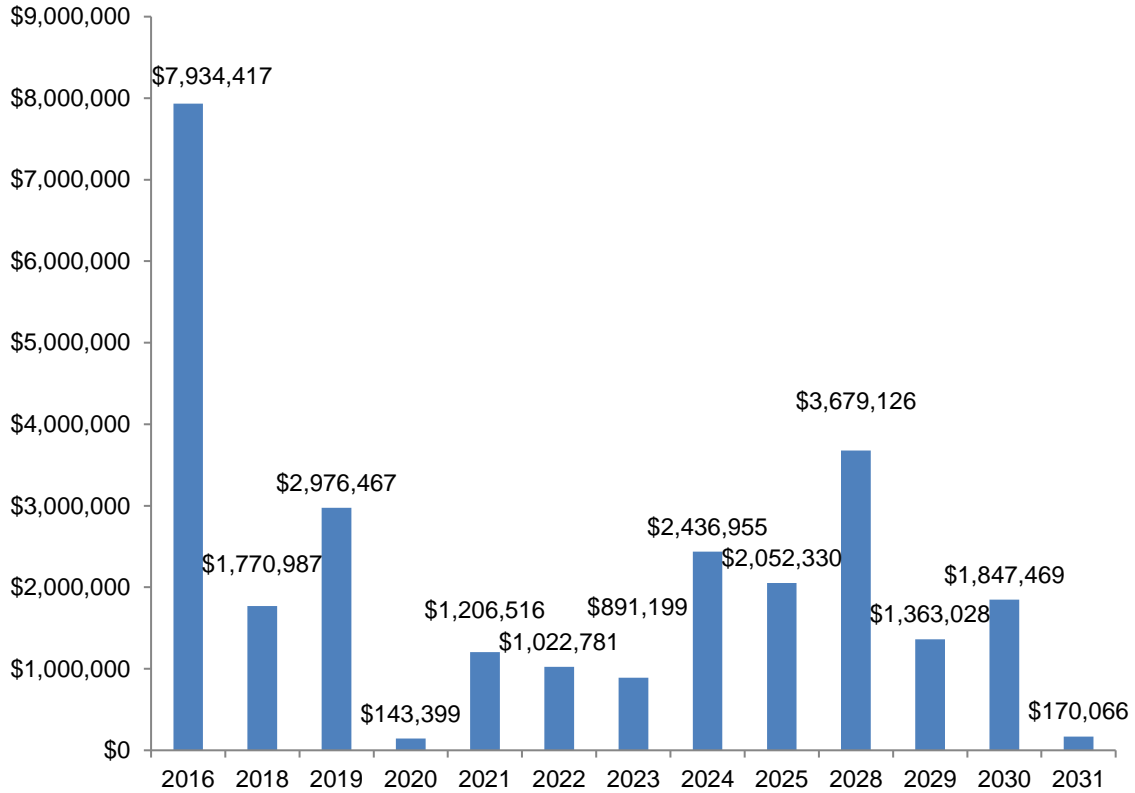


Table 7: Current and Forecasted Needs Summarized by System: Elementary Schools

System	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Needs by Year:	\$7,934,417	\$0-	\$1,770,987	\$2,976,467	\$143,399	\$1,206,516	\$1,022,781	\$891,199	\$2,436,955	\$2,052,330	\$-	\$-	\$3,679,126	\$1,363,028	\$1,847,469	\$170,066
Conveying	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Elevators and chairlifts	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Electrical	\$569,869	\$0-	\$581,066	\$0-	\$0-	\$0-	\$0-	\$0-	\$509,513	\$0-	\$0-	\$0-	\$789,579	\$373,495	\$570,867	\$39,782
Branch Wiring	\$180,678	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$789,579	\$0-	\$0-	\$0-
Emergency Generator	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Lighting	\$389,191	\$0-	\$581,066	\$0-	\$0-	\$0-	\$0-	\$0-	\$509,513	\$0-	\$0-	\$0-	\$0-	\$373,495	\$570,867	\$0-
Service & Distribution	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$39,782
Equip & Furnishings	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$627,987	\$233,760	\$0-	\$0-	\$0-	\$0-	\$20,517	\$0-	\$0-
Equipment	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$27,987	\$0-	\$0-	\$0-	\$0-	\$0-	\$20,517	\$0-	\$0-
Portables	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$600,000	\$233,760	\$0-	\$0-	\$0-	\$0-	\$-	\$0-	\$0-
Exterior Enclosure	\$407,747	\$0-	\$0-	\$12,434	\$6,947	\$592,471	\$0-	\$73,300	\$25,402	\$0-	\$0-	\$0-	\$564,407	\$64,273	\$0-	\$0-
Exterior Doors	\$49,095	\$0-	\$0-	\$0-	\$0-	\$72,013	\$0-	\$73,300	\$0-	\$0-	\$0-	\$0-	\$0-	\$64,273	\$0-	\$0-
Exterior Windows	\$354,824	\$0-	\$0-	\$0-	\$0-	\$520,458	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$529,756	\$0-	\$0-	\$0-
Wall Finishes	\$0-	\$0-	\$0-	\$12,434	\$6,947	\$0-	\$0-	\$0-	\$25,402	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Fire Protection	\$96,048	\$0-	\$69,968	\$176,388	\$68,740	\$0-	\$0-	\$0-	\$108,024	\$55,646	\$0-	\$0-	\$149,931	\$0-	\$0-	\$0-
Fire Alarm and Detection	\$96,048	\$0-	\$69,968	\$176,388	\$68,740	\$0-	\$0-	\$0-	\$108,024	\$55,646	\$0-	\$0-	\$149,931	\$0-	\$0-	\$0-
HVAC	\$2,793,572	\$0-	\$207,904	\$1,325,786	\$0-	\$0-	\$0-	\$0-	\$1,242,481	\$1,485,433	\$0-	\$0-	\$0-	\$133,636	\$0-	\$0-
Controls & Instrumentation	\$268,902	\$0-	\$207,904	\$0-	\$0-	\$0-	\$0-	\$0-	\$182,303	\$0-	\$0-	\$0-	\$0-	\$133,636	\$0-	\$0-
Cooling Generating Systems	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Distribution System	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$88,320	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Terminal & Package Units	\$2,524,671	\$0-	\$0-	\$1,325,786	\$0-	\$0-	\$0-	\$0-	\$971,858	\$1,485,433	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Interior Construction	\$408,719	\$0-	\$0-	\$167,111	\$0-	\$0-	\$0-	\$189,913	\$209,608	\$187,234	\$0-	\$0-	\$0-	\$198,207	\$0-	\$0-
Interior Doors	\$127,201	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$189,913	\$0-	\$0-	\$0-	\$0-	\$0-	\$166,527	\$0-	\$0-
Specialties	\$249,838	\$0-	\$0-	\$167,111	\$0-	\$0-	\$0-	\$0-	\$190,888	\$187,234	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Toilet Partitions	\$31,680	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$18,720	\$0-	\$0-	\$0-	\$0-	\$31,680	\$0-	\$0-
Interior Finishes	\$1,249,111	\$0-	\$852,274	\$1,279,050	\$67,712	\$614,045	\$602,291	\$0-	\$108,167	\$0-	\$0-	\$0-	\$0-	\$572,900	\$739,116	\$0-
Ceiling Finishes	\$341,778	\$0-	\$752,320	\$551,512	\$0-	\$0-	\$0-	\$0-	\$108,167	\$0-	\$0-	\$0-	\$0-	\$572,900	\$739,116	\$0-
Floor Finishes	\$660,472	\$0-	\$0-	\$613,051	\$67,712	\$614,045	\$602,291	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Wall Finishes	\$246,861	\$0-	\$99,954	\$114,487	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Plumbing	\$644,895	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$1,691,440	\$0-	\$134,206	\$0-
Domestic Water Distribution	\$46,417	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$69,301	\$0-	\$0-	\$0-
Plumbing Fixtures	\$137,875	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$934,455	\$0-	\$0-	\$0-
Rain Water Drainage	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$134,206	\$0-
Sanitary Waste	\$460,602	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$687,684	\$0-	\$0-	\$0-
Roofing	\$420,339	\$0-	\$59,774	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$403,280	\$0-
Roof Coverings	\$420,339	\$0-	\$59,774	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$403,280	\$0-
L2 Deficiencies	\$1,344,116	\$0-	\$0-	\$15,698	\$0-	\$0-	\$420,490	\$0-	\$0-	\$324,017	\$0-	\$0-	\$483,769	\$0-	\$0-	\$130,284
Site	\$916,712	\$0-	\$0-	\$15,698	\$0-	\$0-	\$420,490	\$0-	\$0-	\$324,017	\$0-	\$0-	\$483,769	\$0-	\$0-	\$130,284
HVAC	\$427,404	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Plumbing	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-

Middle Schools

The project included facilities at one location totaling approximately 128,013 square feet. The table below contains location-specific information regarding current and forecast Facility Condition Indices. A comprehensive list of expired systems and those expected to expire between now and the Year 2031 is shown in the Forecasted Needs Summarized by System: Middle Schools Table.

Table 8: Facility Description: Summary of Findings – Middle Schools

Building Name	Age (Years)	Area (SF)	Total Needs 2016	Current Replacement Value	2016 FCI%	Total Needs 2021	2021 FCI%
Marble Falls Middle School	18-49	128,013	\$1,839,005	\$21,198,434	9	\$3,729,190	18
SUBTOTAL:		128,013	\$1,839,005	\$21,198,434	9	\$3,729,190	18
Site and Infrastructure			\$658,339			\$663,918	
Irrigation			\$9,850			\$9,850	
Totals:		128,013	\$2,507,194	\$21,198,434		\$4,402,958	

Note: The cumulative FCI for the Middle school facilities assessed is 9% while the cumulative FCI in 5 years is estimated to be 18% assuming current sustainment levels

Figures below show the current and forecasted needs respectively for all Middle School locations grouped by system.

Figure 14: Current Needs (2016): Middle Schools

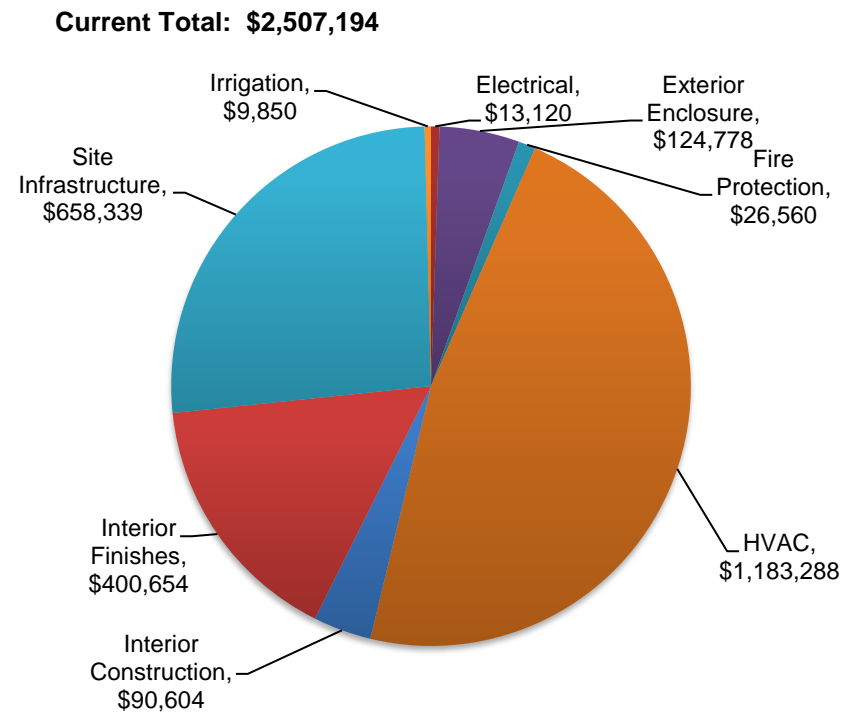
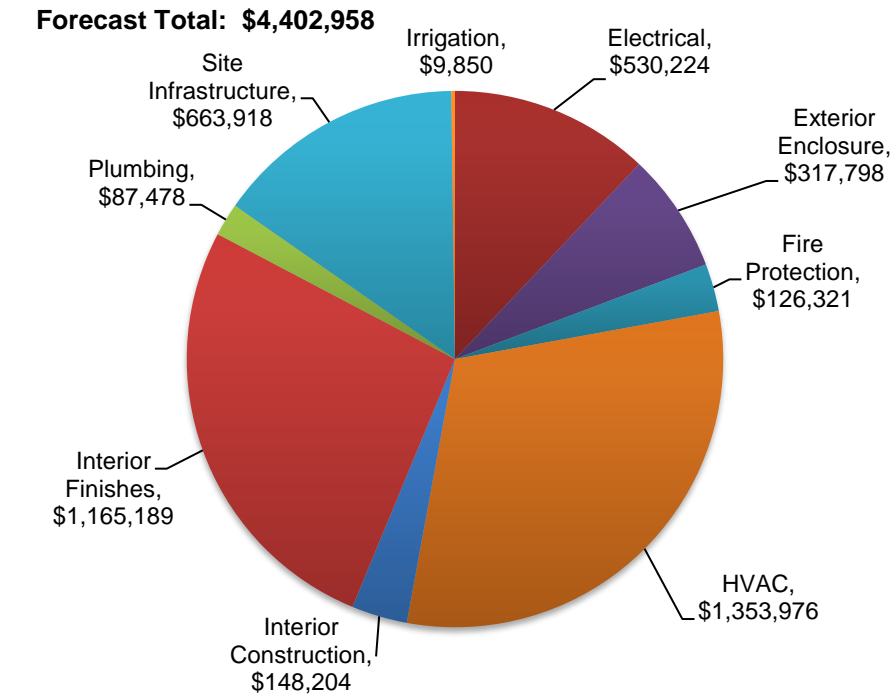


Figure 15: Forecasted Needs (2021): Middle Schools



Note: Forecasted Needs (2021) include Current Needs (2016)

RENEWAL FORECAST

The renewal forecast below for Middle School locations shows the current backlog and projected facility sustainment requirements over the next 15 years. Please note the renewal forecast does not include potential costs associated with asbestos abatement, seismic evaluation; seismic retrofitting; hazardous material inspection, evaluation, and mitigation; and NFPA 101 and ADA upgrades. The renewal forecast is shown below:

Figure 16. Forecasted Needs Summarized by Reporting Period: Middle Schools

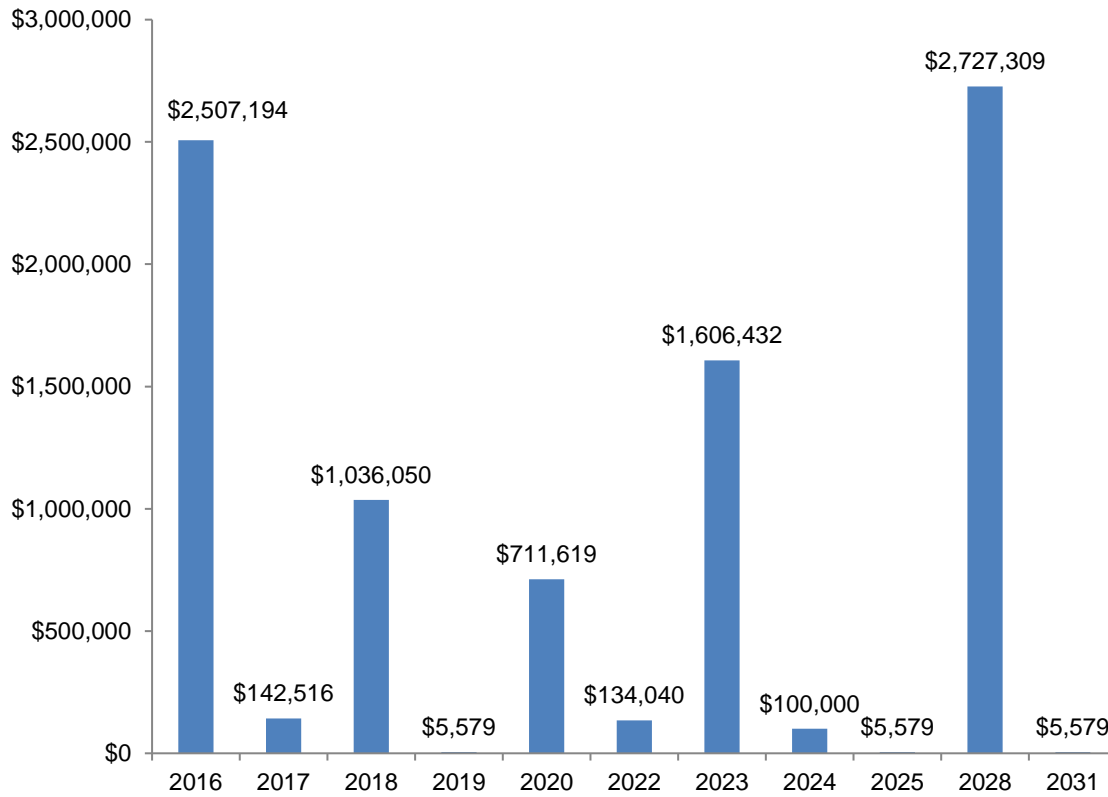


Table 9: Forecasted Needs: Summarized by System – Middle Schools

System	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Needs by Year:	\$2,507,194	\$142,516	\$1,036,050	\$5,579	\$711,619	\$0-	\$134,040	\$1,606,432	\$100,000	\$5,579	\$0-	\$0-	\$2,727,309	\$0-	\$0-	\$5,579
Conveying	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Elevators and chairlifts	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Electrical	\$13,120	\$0-	\$485,104	\$0-	\$32,000	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$688,524	\$0-	\$0-	\$0-
Branch Wiring	\$0-	\$0-	\$116,495	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$252,114	\$0-	\$0-	\$0-
Emergency Generator	\$0-	\$0-	\$0-	\$0-	\$32,000	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Lighting	\$0-	\$0-	\$368,609	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$409,526	\$0-	\$0-	\$0-
Service & Distribution	\$13,120	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$26,883	\$0-	\$0-	\$0-
Equip & Furnishings	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$100,000	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Equipment	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Portables	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$100,000	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Exterior Enclosure	\$124,778	\$0-	\$193,020	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Exterior Doors	\$25,210	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Exterior Windows	\$0-	\$0-	\$193,020	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Wall Finishes	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Fire Protection	\$26,560	\$0-	\$99,761	\$0-	\$0-	\$0-	\$0-	\$80,759	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Fire Alarm and Detection	\$26,560	\$0-	\$99,761	\$0-	\$0-	\$0-	\$0-	\$80,759	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
HVAC	\$1,021,213	\$0-	\$170,688	\$0-	\$0-	\$0-	\$0-	\$1,134,573	\$0-	\$0-	\$0-	\$0-	\$525,408	\$0-	\$0-	\$0-
Controls & Instrumentation	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$156,010	\$0-	\$0-	\$0-
Cooling Generating Systems	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Distribution System	\$0-	\$0-	\$170,688	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$369,398	\$0-	\$0-	\$0-
Terminal & Package Units	\$1,021,213	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$1,134,573	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Interior Construction	\$90,604	\$0-	\$0-	\$0-	\$57,600	\$0-	\$0-	\$164,804	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Interior Doors	\$61,587	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Specialties	\$29,017	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$164,804	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Toilet Partitions	\$0-	\$0-	\$0-	\$0-	\$57,600	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Interior Finishes	\$400,654	\$142,516	\$0-	\$0-	\$622,019	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$924,196	\$0-	\$0-	\$0-
Ceiling Finishes	\$173,155	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$924,196	\$0-	\$0-	\$0-
Floor Finishes	\$217,900	\$0-	\$0-	\$0-	\$622,019	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Wall Finishes	\$9,600	\$142,516	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Plumbing	\$0-	\$0-	\$87,478	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$189,317	\$0-	\$0-	\$0-
Domestic Water Distribution	\$0-	\$0-	\$25,745	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$55,718	\$0-	\$0-	\$0-
Plumbing Fixtures	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Rain Water Drainage	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Sanitary Waste	\$0-	\$0-	\$61,732	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$133,599	\$0-	\$0-	\$0-
Roofing	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$226,296	\$0-	\$0-	\$0-	\$0-	\$265,824	\$0-	\$0-	\$0-
Roof Coverings	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$226,296	\$0-	\$0-	\$0-	\$0-	\$265,824	\$0-	\$0-	\$0-
L2 Deficiencies	\$830,264	\$0-	\$0-	\$5,579	\$0-	\$0-	\$134,040	\$0-	\$0-	\$5,579	\$0-	\$0-	\$134,040	\$0-	\$0-	\$5,579
Site	\$668,189	\$0-	\$0-	\$5,579	\$0-	\$0-	\$134,040	\$0-	\$0-	\$5,579	\$0-	\$0-	\$134,040	\$0-	\$0-	\$5,579
HVAC	\$162,075	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Plumbing	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-

High Schools

The project included facilities at two locations totaling approximately 235,069 square feet. The table below contains location-specific information regarding current and forecast Facility Condition Indices. A comprehensive list of expired systems and those expected to expire between now and the Year 2031 is shown in the Forecasted Needs Summarized by System: High Schools Table.

Table 10: Facility Description: Summary of Findings – High Schools

Building Name	Age (Years)	Area (SF)	Total Needs 2016	Current Replacement Value	2016 FCI%	Total Needs 2021	2021 FCI%
Falls Career High School	31	15,000	\$456,066	\$2,496,600	18	\$493,866	20
Marble Falls High School	1-32	220,069	\$8,472,438	\$32,536,309	26	\$10,863,304	33
SUBTOTAL:		235,069	\$8,928,504	\$35,032,909	25	\$11,357,170	32
Site and Infrastructure			\$1,600,878			\$1,619,467	
Irrigation			\$41,400			\$41,400	
Totals:		235,069	\$10,570,782	\$35,032,909		\$13,018,037	

Note: The cumulative FCI for the high school facilities assessed is 25% while the cumulative FCI in 5 years is estimated to be 32% assuming current sustainment levels

Figures below show the current and forecasted needs respectively for all High School locations grouped by system.

Figure 17: Current Needs (2016): High Schools

Current Total: \$10,570,782

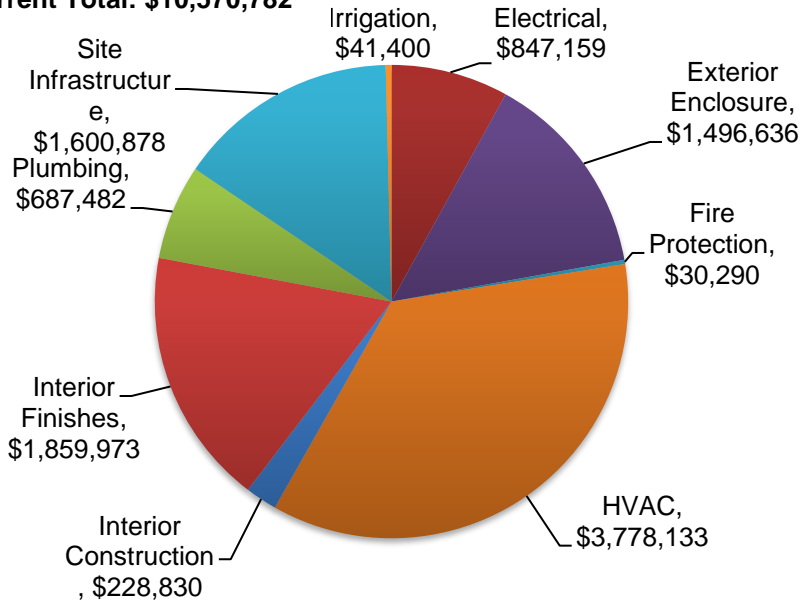
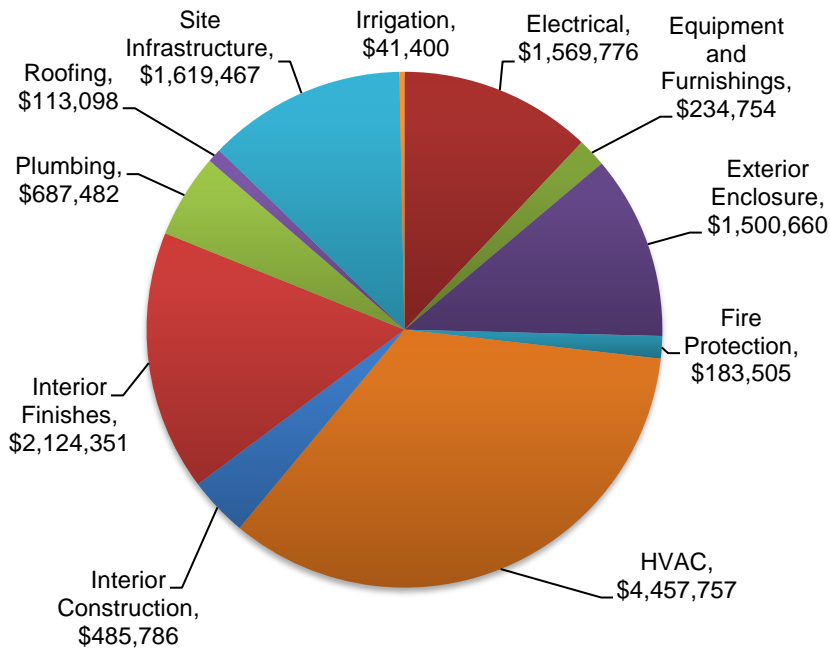


Figure 18: Forecasted Needs (2021): High Schools

Forecast Total: \$13,018,037



Note: Forecasted Needs (2021) include Current Needs (2016)

RENEWAL FORECAST

The renewal forecast below for High School locations shows the current backlog and projected facility sustainment requirements over the next 15 years. Please note the renewal forecast does not include potential costs associated with asbestos abatement, seismic evaluation; seismic retrofitting; hazardous material inspection, evaluation, and mitigation; and NFPA 101 and ADA upgrades. The renewal forecast is shown below:

Figure 19. Forecasted Needs Summarized by Reporting Period: High Schools

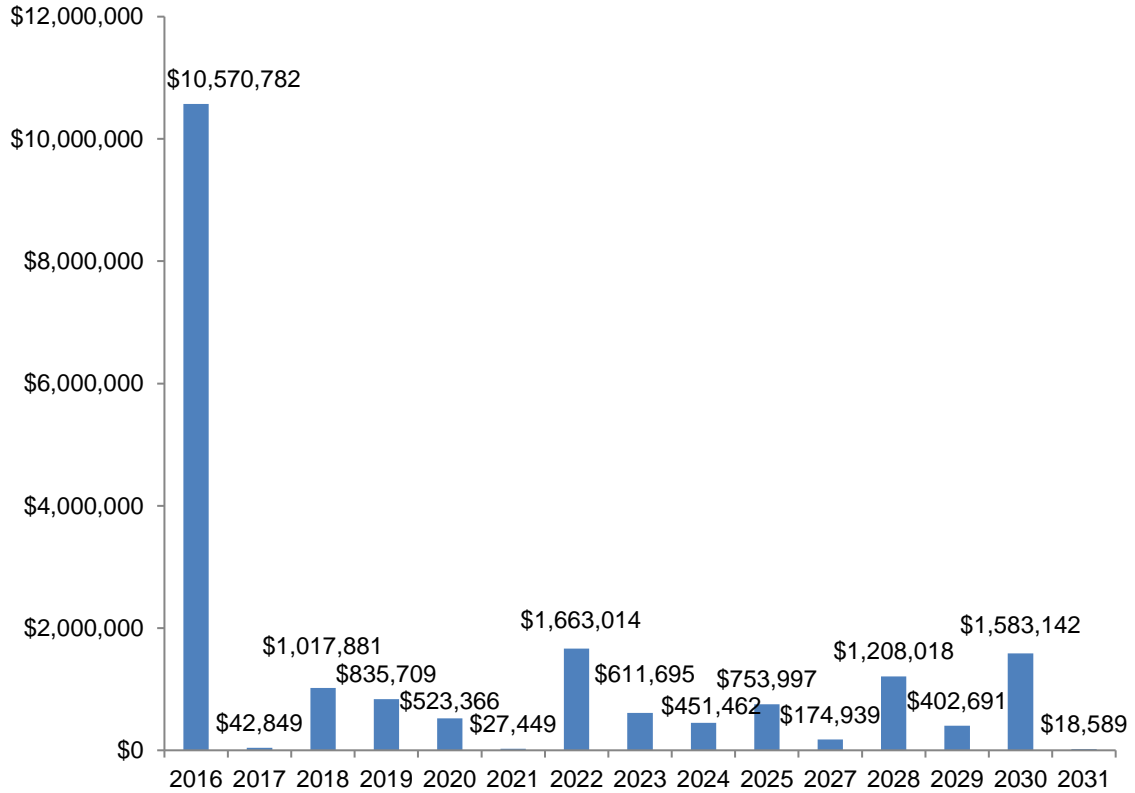


Table 11: Forecasted Needs: Summarized by System – High Schools

System	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Needs by Year:	\$10,570,782	\$42,849	\$1,017,881	\$835,709	\$523,366	\$27,449	\$1,663,014	\$611,695	\$451,462	\$753,997	\$-	\$174,939	\$1,208,018	\$402,691	\$1,583,142	\$18,589
Conveying	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Elevators and chairlifts	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Electrical	\$847,159	\$0	\$681,506	\$0	\$41,111	\$0	\$44,614	\$97,111	\$269,178	\$0	\$0	\$0	\$82,555	\$53,800	\$906,866	\$0
Branch Wiring	\$723,055	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$82,555	\$0	\$41,111	\$0
Emergency Generator	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Lighting	\$124,104	\$0	\$681,506	\$0	\$41,111	\$0	\$44,614	\$97,111	\$130,958	\$0	\$0	\$0	\$0	\$53,800	\$865,755	\$0
Service & Distribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$138,219	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equip & Furnishings	\$0	\$0	\$0	\$0	\$234,754	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$189,311	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$234,754	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$189,311	\$0	\$0
Portables	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Exterior Enclosure	\$1,496,636	\$0	\$0	\$0	\$4,024	\$0	\$0	\$0	\$0	\$23,966	\$0	\$26,053	\$196,839	\$17,942	\$1,898	\$0
Exterior Doors	\$233,714	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,966	\$0	\$26,053	\$11,325	\$17,942	\$0	\$0
Exterior Windows	\$1,209,641	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$136,786	\$0	\$0	\$0
Wall Finishes	\$31,249	\$0	\$0	\$0	\$4,024	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,387	\$0
Fire Protection	\$30,290	\$0	\$26,953	\$15,268	\$110,994	\$0	\$0	\$13,507	\$821	\$89,852	\$0	\$0	\$0	\$0	\$0	\$0
Fire Alarm and Detection	\$30,290	\$0	\$26,953	\$15,268	\$110,994	\$0	\$0	\$13,507	\$821	\$89,852	\$0	\$0	\$0	\$0	\$0	\$0
HVAC	\$3,157,373	\$11,570	\$274,113	\$380,466	\$13,475	\$0	\$0	\$401,077	\$172,284	\$238,172	\$0	\$2,280	\$120,670	\$6,096	\$134,503	\$0
Controls & Instrumentation	\$0	\$0	\$0	\$0	\$13,475	\$0	\$0	\$40,524	\$62,209	\$0	\$0	\$0	\$58,953	\$6,096	\$70,190	\$0
Cooling Generating Systems	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution System	\$877,584	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$32,640	\$0
Terminal & Package Units	\$2,078,676	\$11,570	\$274,113	\$380,466	\$0	\$0	\$0	\$360,553	\$110,075	\$238,172	\$0	\$2,280	\$61,717	\$0	\$21,750	\$0
Interior Construction	\$228,830	\$2,216	\$14,851	\$124,689	\$115,200	\$0	\$0	\$0	\$3,355	\$342,186	\$0	\$3,140	\$40,962	\$69,587	\$0	\$0
Interior Doors	\$33,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$284,182	\$0	\$3,140	\$40,962	\$69,587	\$0	\$0
Specialties	\$166,830	\$2,216	\$14,851	\$8,049	\$0	\$0	\$0	\$0	\$3,355	\$58,004	\$0	\$0	\$0	\$0	\$0	\$0
Toilet Partitions	\$28,800	\$0	\$0	\$116,640	\$115,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Interior Finishes	\$1,859,973	\$29,063	\$20,458	\$183,600	\$3,808	\$27,449	\$322,720	\$0	\$5,824	\$0	\$0	\$0	\$0	\$11,819	\$354,816	\$0
Ceiling Finishes	\$963,358	\$0	\$0	\$9,322	\$3,808	\$0	\$2,242	\$0	\$5,824	\$0	\$0	\$0	\$0	\$11,819	\$354,816	\$0
Floor Finishes	\$875,232	\$3,911	\$0	\$0	\$0	\$27,449	\$320,478	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Wall Finishes	\$21,383	\$25,152	\$20,458	\$174,278	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Plumbing	\$687,482	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$61,992	\$0	\$72,237	\$0
Domestic Water Distribution	\$132,369	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,245	\$0	\$7,542	\$0
Plumbing Fixtures	\$118,860	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$32,348	\$0
Rain Water Drainage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sanitary Waste	\$436,253	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$43,747	\$0	\$32,348	\$0
Roofing	\$0	\$0	\$0	\$113,098	\$0	\$0	\$0	\$0	\$0	\$41,231	\$0	\$143,466	\$0	\$54,136	\$112,822	\$0
Roof Coverings	\$0	\$0	\$0	\$113,098	\$0	\$0	\$0	\$0	\$0	\$41,231	\$0	\$143,466	\$0	\$54,136	\$112,822	\$0
L2 Deficiencies	\$2,263,038	\$0	\$0	\$18,589	\$0	\$0	\$1,295,680	\$0	\$0	\$18,589	\$0	\$0	\$705,000	\$0	\$0	\$18,589
Site	\$1,642,278	\$0	\$0	\$18,589	\$0	\$0	\$1,295,680	\$0	\$0	\$18,589	\$0	\$0	\$705,000	\$0	\$0	\$18,589
HVAC	\$620,760	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Plumbing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Administration

The project included facilities at four locations totaling approximately 52,600 square feet. The table below contains location-specific information regarding current and forecast Facility Condition Indices. A comprehensive list of expired systems and those expected to expire between now and the Year 2031 is shown in the Forecasted Needs Summarized by System: Administration Table.

Table 12. Facility Description: Summary of Findings – Administration

Building Name	Age (Years)	Area (SF)	Total Needs 2016	Current Replacement Value	2016 FCI%	Total Needs 2021	2021 FCI%
Central Office	18-38	32,700	\$153,833	\$4,878,004	3	\$506,550	10
Maintenance Facility	7-18	8,900	\$118,903	\$1,404,918	8	\$164,443	12
Technology Center	13	5,000	\$4,200	\$827,600	1	\$174,120	21
Transportation Facility	30	6,000	\$630,191	\$1,017,600	62	\$694,703	68
SUBTOTAL:		52,600	\$907,128	\$8,128,122	11	\$1,539,816	19
Site and Infrastructure			\$1,286,815			\$1,293,087	
Irrigation			\$3,010			\$3,010	
Totals:		52,600	\$2,196,953	\$8,128,122		\$2,835,913	

Note: The cumulative FCI for the Administration facilities assessed is 11% while the cumulative FCI in 5 years is estimated to be 19% assuming current sustainment levels

Figures below show the current and forecasted needs respectively for all Administration locations grouped by system.

Figure 20. Current Needs (2016): Administration

Current Total: \$2,196,953

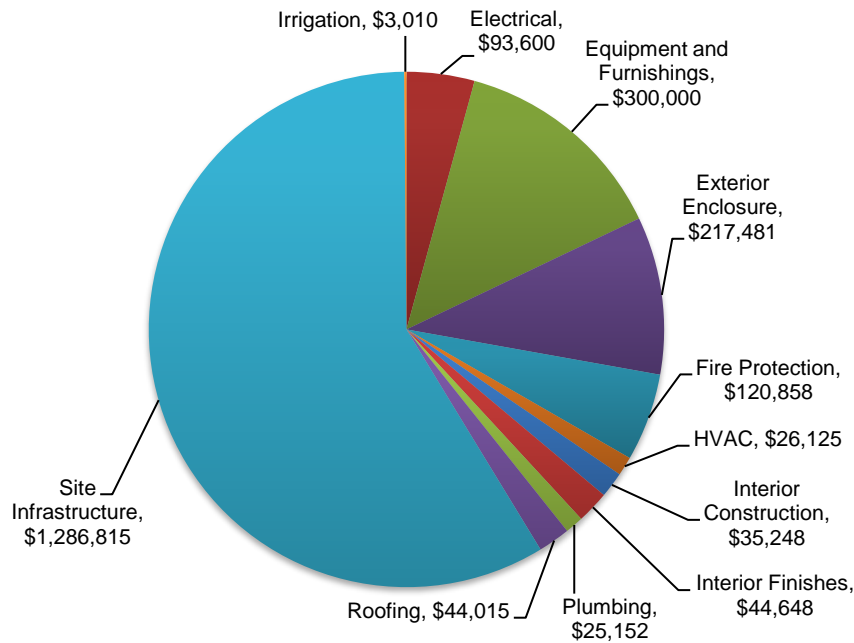
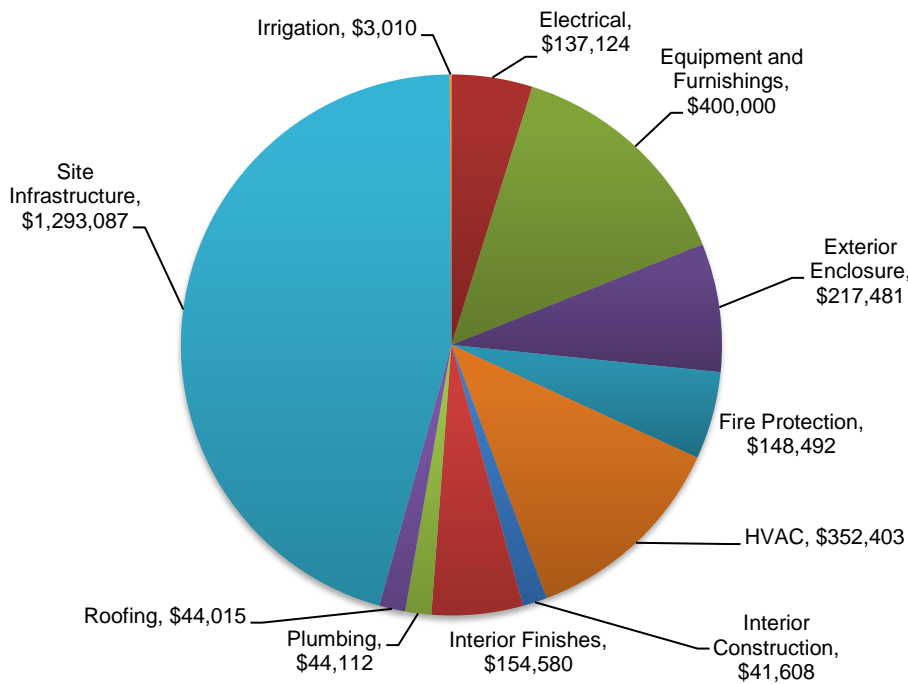


Figure 21. Forecasted Needs (2021): Administration

Forecast Total: \$2,835,913



Note: Forecasted Needs (2021) include Current Needs (2016)

RENEWAL FORECAST

The renewal forecast below for Administration locations shows the current backlog and projected facility sustainment requirements over the next 15 years. Please note the renewal forecast does not include potential costs associated with asbestos abatement, seismic evaluation; seismic retrofitting; hazardous material inspection, evaluation, and mitigation; and NFPA 101 and ADA upgrades. The renewal forecast is shown below:

Figure 22. Forecasted Needs Summarized by Reporting Period: Administration

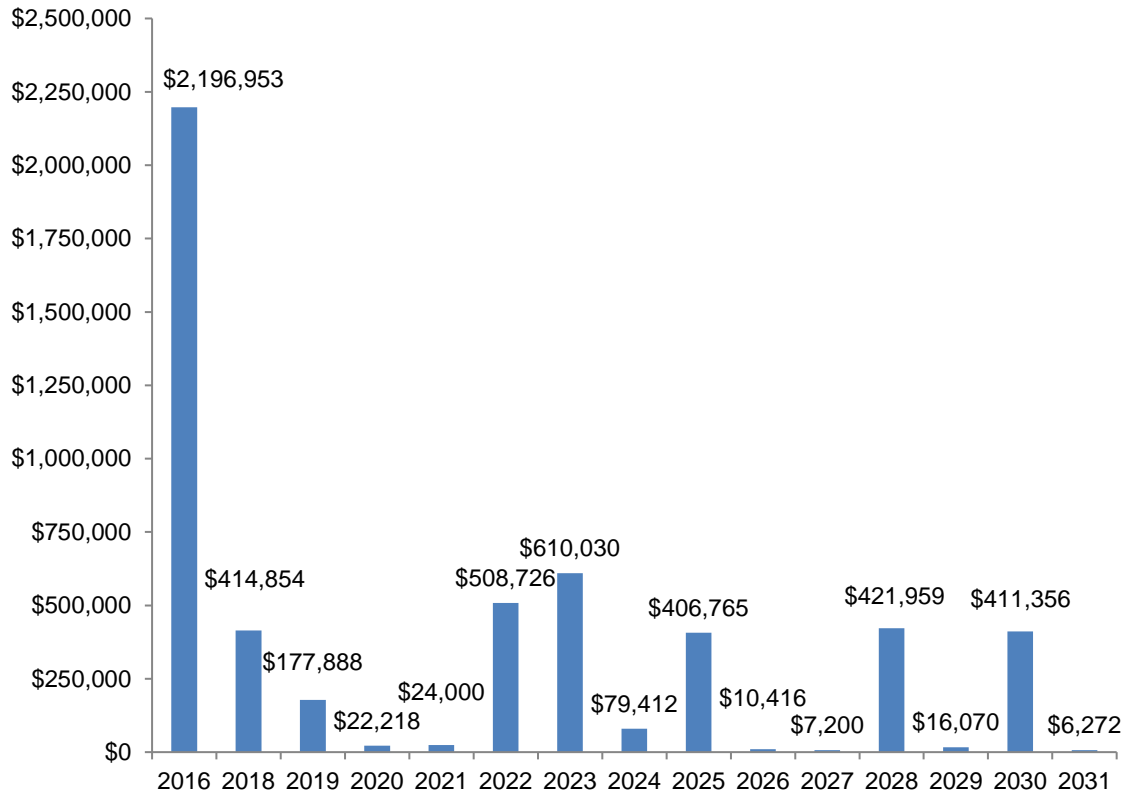


Table 13: Forecasted Needs: Summarized by System – Administration

System	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Needs by Year:	\$2,196,953	\$0-	\$414,854	\$177,888	\$22,218	\$24,000	\$508,726	\$610,030	\$79,412	\$406,765	\$10,416	\$7,200	\$421,959	\$16,070	\$411,356	\$6,272
Conveying	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Elevators and chairlifts	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Electrical	\$93,600	\$0-	\$43,524	\$0-	\$0-	\$0-	\$0-	\$103,240	\$77,780	\$0-	\$6,144	\$0-	\$43,524	\$16,070	\$186,420	\$0-
Branch Wiring	\$46,800	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$43,524	\$0-	\$0-	\$0-
Emergency Generator	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$68,000	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Lighting	\$46,800	\$0-	\$43,524	\$0-	\$0-	\$0-	\$0-	\$35,240	\$0-	\$0-	\$0-	\$0-	\$0-	\$16,070	\$186,420	\$0-
Service & Distribution	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$77,780	\$0-	\$6,144	\$0-	\$0-	\$0-	\$0-	\$0-
Equip & Furnishings	\$300,000	\$0-	\$0-	\$100,000	\$0-	\$0-	\$0-	\$400,000	\$0-	\$0-	\$0-	\$7,200	\$0-	\$0-	\$0-	\$0-
Equipment	\$300,000	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$7,200	\$0-	\$0-	\$0-	\$0-
Portables	\$0-	\$0-	\$0-	\$100,000	\$0-	\$0-	\$0-	\$400,000	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Exterior Enclosure	\$217,481	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$17,940	\$0-	\$0-	\$0-	\$0-	\$8,828	\$0-	\$0-	\$0-
Exterior Doors	\$36,000	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$17,940	\$0-	\$0-	\$0-	\$0-	\$6,280	\$0-	\$0-	\$0-
Exterior Windows	\$135,427	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Wall Finishes	\$24,048	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Fire Protection	\$120,858	\$0-	\$3,400	\$2,016	\$22,218	\$0-	\$0-	\$0-	\$1,632	\$17,986	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Fire Alarm and Detection	\$45,700	\$0-	\$3,400	\$2,016	\$22,218	\$0-	\$0-	\$0-	\$1,632	\$17,986	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
HVAC	\$16,900	\$0-	\$302,278	\$0-	\$0-	\$24,000	\$0-	\$0-	\$0-	\$348,862	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Controls & Instrumentation	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Cooling Generating Systems	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Distribution System	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Terminal & Package Units	\$16,900	\$0-	\$302,278	\$0-	\$0-	\$24,000	\$0-	\$0-	\$0-	\$348,862	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Interior Construction	\$35,248	\$0-	\$6,360	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$33,644	\$0-	\$0-	\$45,080	\$0-	\$7,200	\$0-
Interior Doors	\$21,760	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$36,440	\$0-	\$0-	\$0-
Specialties	\$13,488	\$0-	\$6,360	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$33,644	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Toilet Partitions	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$8,640	\$0-	\$7,200	\$0-
Interior Finishes	\$44,648	\$0-	\$59,292	\$50,640	\$0-	\$0-	\$267,886	\$41,160	\$0-	\$0-	\$4,272	\$0-	\$0-	\$0-	\$217,736	\$0-
Ceiling Finishes	\$1,120	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$41,160	\$0-	\$0-	\$4,272	\$0-	\$0-	\$0-	\$217,736	\$0-
Floor Finishes	\$42,328	\$0-	\$14,352	\$50,640	\$0-	\$0-	\$267,886	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Wall Finishes	\$1,200	\$0-	\$44,940	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Plumbing	\$25,152	\$0-	\$0-	\$18,960	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$47,008	\$0-	\$0-	\$0-
Domestic Water Distribution	\$6,192	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$8,424	\$0-	\$0-	\$0-
Plumbing Fixtures	\$0-	\$0-	\$0-	\$18,960	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$19,292	\$0-	\$0-	\$0-
Rain Water Drainage	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Sanitary Waste	\$18,960	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$19,292	\$0-	\$0-	\$0-
Roofing	\$44,015	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$47,690	\$0-	\$0-	\$0-	\$0-	\$36,679	\$0-	\$0-	\$0-
Roof Coverings	\$44,015	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$47,690	\$0-	\$0-	\$0-	\$0-	\$36,679	\$0-	\$0-	\$0-
L2 Deficiencies	\$1,299,050	\$0-	\$0-	\$6,272	\$0-	\$0-	\$240,840	\$0-	\$0-	\$6,272	\$0-	\$0-	\$240,840	\$0-	\$0-	\$6,272
Site	\$1,289,825	\$0-	\$0-	\$6,272	\$0-	\$0-	\$240,840	\$0-	\$0-	\$6,272	\$0-	\$0-	\$240,840	\$0-	\$0-	\$6,272
HVAC	\$9,225	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-
Plumbing	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-	\$0-



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