

IRVINE, CA

CALIFORNIA MASONRY SUMMIT & EXPO

APRIL 30, 2026

Welcome!

www.CaliforniaMasonryCouncil.org





 **MODA CONCRETE®**



MODABLOK



MODAWALL



MODAPAVE



MODACAST



Philosophy & Intent

We shape intentional spaces through material, form, and light.

Innovation

Advanced processes.
Precision engineering.
Smarter production.

Aesthetics

Clean forms. Integral color.
Cohesive design language.

Performance

High-density systems.
Built for durability.
Designed to last.

MODABLOK



BREEZE BLOCKS

High compression limestone,
dimensional, architectural breeze blocks.

From screen walls to garden dividers—
They don't just divide. They define.

* Natural variations in concrete may appear different depending on light
and surrounding elements.

* Colors shown are representative.
Request physical samples for accurate matching.



Why MODABLOK



Design-Driven

Modern forms of contemporary architecture.

Complete System

Blocks, posts, and caps designed to work seamlessly.

Engineered System

Hyper-Press density + installation system design ensures stability.

Flexible Application

Residential, commercial, indoor, and outdoor walls.

01 MODABLOK Elements

- Seven **modern design patterns**.
- Each block can be installed in multiple **placements, orientations, and positions** to create dynamic effects.
- Enables architects and designers to achieve wide range of looks — from **open breezeways** to **bold geometric walls**.

02 MODABLOK Post

- Steel posts with integrated channel locks the blocks in place vertically and combines the look of steel and limestone.
- Engineered horizontal reinforcement stringers provide horizontal stability and structural support.
- Provides added **shear-force stability**, ensuring long-term durability in real-world conditions.

03 MODABLOK Top Cap

- A **one-piece precast top cap** that locks the system together and provides a clean, modern, finished look.
- Protects the structure while enhancing aesthetics.
- Recessed channel for optional LED lighting strip installation.

BREEZE BLOCKS — GENERATION 2.0

7.5" x 7.5" BREEZE BLOCKS

Breeze Block

Weight per Block	12 LB
Sq ft per Block	0.39 / sq ft
Comp. Str	4,000 PSI

Pallet

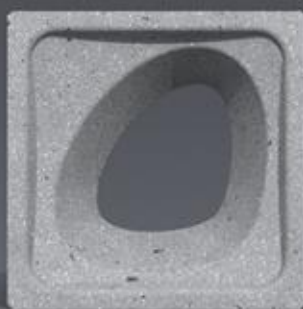
Blocks per Pallet	180
Weight per Pallet	2,204 LB
Sq ft per Pallet	70 / sq ft

* Weight may vary by block style.

ORBIT



TIDE



SPLIT



PRISM



GRAY



NATURAL



SAND



GRAPHITE



ULTRA
HIGH
DENSITY



PRECISION
FORMED



INTEGRAL
COLOR

BREEZE BLOCKS — GENERATION 2.0

15" x 7.5" BREEZE BLOCKS

Breeze Block

Weight per Block 22 LB

Sq ft per Block 0.78 / sq ft

Comp. Str 4,000 PSI

Pallet

Blocks per Pallet 90

Weight per Pallet 2,204 LB

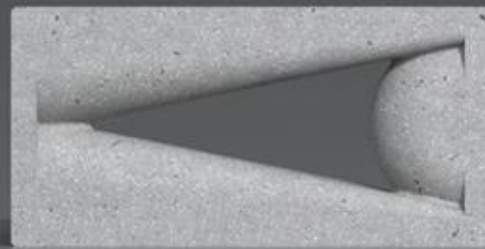
Sq ft per Pallet 70 / sq ft

* Weight may vary by block style.

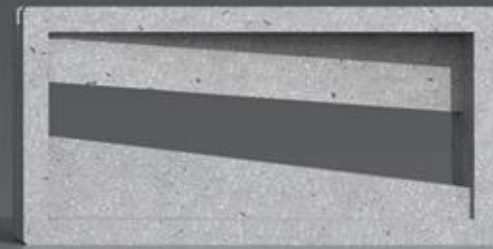
FRAME



CURRENT



DRIFT



GRAY



NATURAL



SAND



GRAPHITE



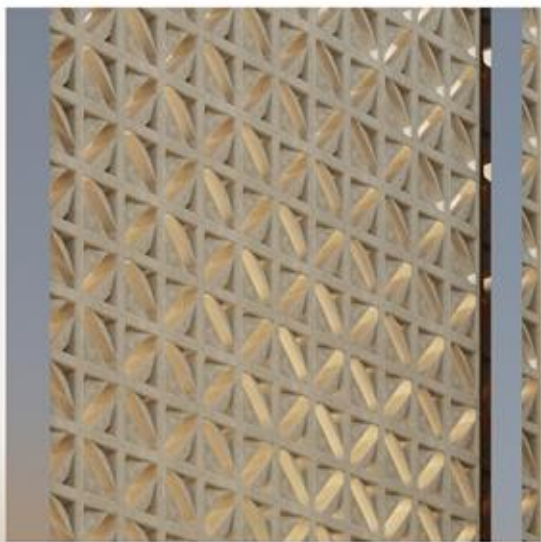
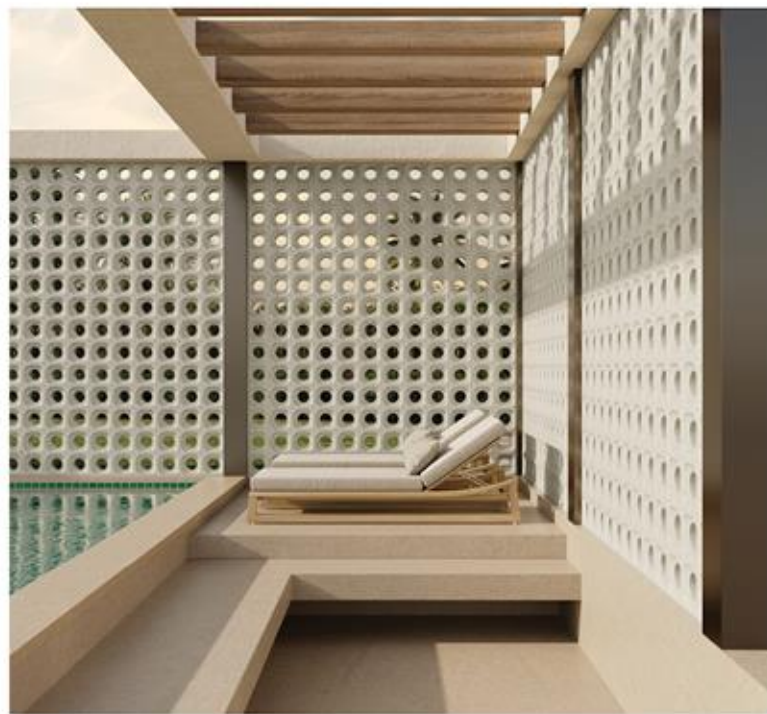
ULTRA
HIGH
DENSITY



PRECISION
FORMED



INTEGRAL
COLOR



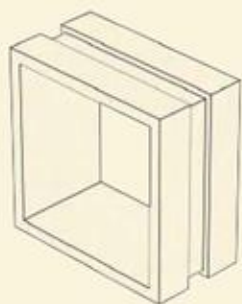




How it works?

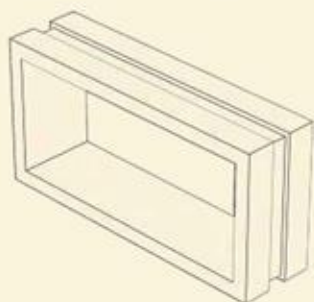
ARCHITECTURAL ELEMENTS

1.



BASIC BLOCK UNIT
(7.5" x 7.5" x 4")

2.

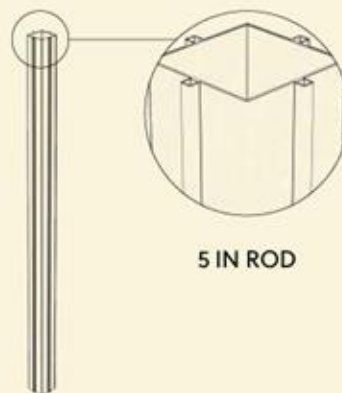


RECTANGLE BLOCK UNIT
(15" x 7.5" x 4")

INSTALLATION COMPONENTS

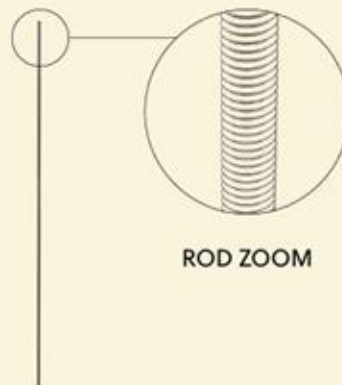
1.

STANDARD POST UNIT
(5 x 5 x 8 FT TALL)

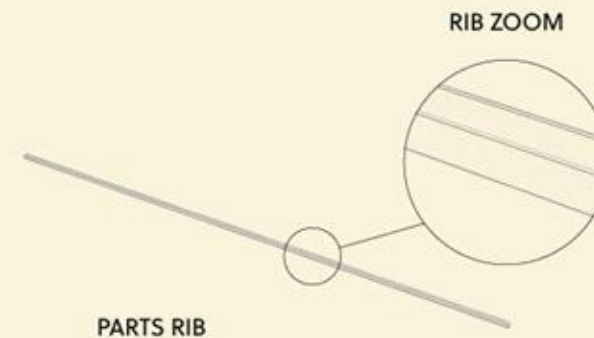


3.

ROD



2.



4.



HEX NUT



ARCHITECTURAL CONCRETE PAVERS

Refined by Design. Built to Perform.

ModaConcrete pavers are crafted with a refined surface that elevates outdoor spaces with subtle texture, natural color, and lasting performance.



ARCHITECTURAL
GRADE



R11 SLIP
RESISTANT



WEATHER & FREEZE
THAW DURABLE



LOW ABSORPTION
HIGH DENSITY



NATURAL COLORS
THAT LAST

FOUR CURATED COLORS



LIMESTONE

Warm light beige with subtle natural variation.



BONE

Light neutral with a soft, clean tone.



ASH

Balanced mid-tone gray. Versatile and modern.



GRAPHITE

Deep charcoal gray. Bold and sophisticated.



MICROPHONE + BRUSHED FINISH

A refined surface with subtle texture and a smooth, consistent feel underfoot. Naturally beautiful. Inherently durable.

REFINED SURFACE DETAIL

Microphone + brushed finish reveals subtle aggregate and a clean, consistent architectural surface.



FOUR MODULAR FORMATS. ENDLESS POSSIBILITIES.

1 PENTAGON

21.25" x 15.4"
THICKNESS: 1 3/4"
SF PER UNIT: 1.70



2 HEXAGON

21.00" x 15.74"
THICKNESS: 1 3/4"
SF PER UNIT: 2.20



3 16x32

THICKNESS: 1 3/4"
SF PER UNIT: 3.34



4 24x24

THICKNESS: 1 3/4"
SF PER UNIT: 4.00



All sizes available in all four colors. Ideal for patios, walkways, pool decks, courtyards, and more.

CRAFTED FOR BEAUTY. ENGINEERED FOR TOMORROW.

High-density concrete, low absorption, and a refined finish come together to deliver exceptional durability and lasting architectural value.



HIGH DENSITY
Engineered for superior strength and long-term durability.



LOW ABSORPTION
Resists staining, salt, and moisture for lasting beauty.



SLIP RESISTANT
R11 surface provides confident traction in wet or dry conditions.

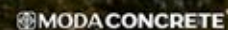


SUSTAINABLE CHOICE
Made with natural materials and responsible practices.



modaconcrete.com

DESIGNED TO INSPIRE. BUILT TO LAST.



24x24 IN.

BOLD SCALE. CLEAN LINES.

The 24x24 format delivers modern elegance with fewer joints and a seamless, expansive look. Ideal for creating open, refined outdoor spaces.



LIMESTONE

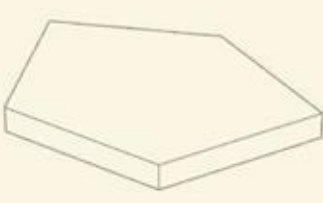


ASH



Our Sizes:

Designed for modular installation and architectural precision.

01	02	03	04	05	06
					
24" × 24" STANDARD PAVER	32" × 16" MODULAR PAVER	32" × 6" MODULAR PAVER	24.7" × 12" BOWTIE PAVER	21.25" × 15.4" PENTAGON PAVER	21.65" × 15.74" ELONGATED HEX PAVER
Thickness: 1.5 or 1.75 Weight: 22-26 lb Coverage: 4 sq ft	Thickness: 1.5 or 1.75 Weight: 22-26 lb Coverage: 3.5 sq ft	Thickness: 1.75 Weight: 22-26 lb Coverage:	Thickness: 1.75 Weight: 22-26 lb Coverage: 4 sq ft	Thickness: 1.75 Weight: 22-26 lb Coverage: 4 sq ft	Thickness: 1.75 Weight: 22-26 lb Coverage: 4 sq ft
Best for: Pedestal & grade	Best for: Linear patterns	Best for: Linear patterns	Best for: Patterns	Best for: Patterns	Best for: Pedestal & grade

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Surface Quality

Calm, mineral surfaces with controlled aggregate exposure.

No busy patterns or faux stone textures.

Large areas read quiet and intentional.

Feels like a safe, modern alternative to porcelain.

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We sculpt form, texture and light
into designs that endure.
Crafted for Living.



MODAWALL | SUMMARY

INTERIOR-EXTERIOR WALL TILES . SPEC SHEET 2026

01

**ANDROMEDA**

17.7" x 11.8"

Thickness: 0.98"
Weight: 9.5 lb
Coverage: 1.31 sq ft

02

**ARTEMIS**

11.4" x 11.4"

Thickness: 1.4"
Weight: 4.4 lb
Coverage: 0.90 sq ft

03

**FLUTE**

15.7" x 12"

Thickness: 0.55"
Weight: 6.6 lb
Coverage: 1.31 sq ft

04

**HALO**

8.1" x 11.6"

Thickness: 0.39"
Weight: 2 lb
Coverage: 0.65 sq ft

05

**ORION**

10" x 11.6"

Thickness: 0.75"
Weight: 3.7 lb
Coverage: 0.81 sq ft

06

**POLARIS**

10" x 11.6"

Thickness: 0.55"
Weight: 3.3 lb
Coverage: 0.81 sq ft

07

**RIGEL**

11.6" x 5"

Thickness: 0.75"
Weight: 2 lb
Coverage: 0.40 sq ft

08

**SIRIUS**

10" x 11.6"

Thickness: 0.75"
Weight: 4 lb
Coverage: 0.81 sq ft

09

**TETRIS**

24" x 24"

Thickness: 1.75"
Weight: 4.4 lb
Coverage: 0.91 sq ft

10

**TITAN**

10" x 11.6"

Thickness: 0.55"
Weight: 3.3 lb
Coverage: 0.81 sq ft

11

**VEGA**

11.4" x 11.4"

Thickness: 0.63"
Weight: 4.4 lb
Coverage: 0.91 sq ft

12

**VELA**

11.4" x 11.4"

Thickness: 0.39"
Weight: 5.5 lb
Coverage: 0.91 sq ft

13

**ROMA - FLUTE**

11.4" x 11.4"

Thickness: 0.55"
Weight: 4.4 lb
Coverage: 0.91 sq ft

14

**ROMA - FLAT**

11.4" x 11.4"

Thickness: 0.55"
Weight: 4.4 lb
Coverage: 0.91 sq ft

15

**ROMA - CURVE**

11.4" x 11.4"

Thickness: 0.55"
Weight: 4.4 lb
Coverage: 0.91 sq ft

16

**ROMA - ANGLE**

11.4" x 11.4"

Thickness: 0.55"
Weight: 4.4 lb
Coverage: 0.91 sq ft

17

**ROMA - WAVE**

11.4" x 11.4"

Thickness: 0.55"
Weight: 4.4 lb
Coverage: 0.91 sq ft

18

**ROMA - GRID**

11.4" x 11.4"

Thickness: 0.39"
Weight: 5.5 lb
Coverage: 0.91 sq ft

COLLECTION

AVAILABLE COLORS



SAGE



GRAY



SAND



WHITE



GRAPHITE

Colors shown are representative.

Request physical samples for accurate matching.

INTEGRAL
COLORFACTORY
APPLIED SEALERINTERIOR
EXTERIOR**Fire Performance:** Concrete is a non-combustible material. (Testing certification not currently available)

MATERIAL & COLOR

- GFRC with integral pigments — color runs through the full material, not a surface layer
- Will not fade from sun or rain exposure over time
- Natural tone variations give each installation a unique, one-of-a-kind character
- Local raw materials reduce ecological footprint and support responsible production
- Protective acrylic coating available in Matte or Semi-gloss finish
- Water-repellent — enhanced performance for outdoor environments

PLANTER | *BRANDY*



	Height	Diameter	Weight
S	23"	18"	77 LB
M	28"	22"	119 LB
L	36"	26"	279 LB
XL	42"	29"	305 LB



PLANTER | *QUARTET*



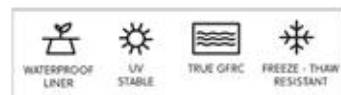
	Height	Diameter	Weight
S	27"	18"	119 LB
M	36"	18"	172 LB
L	42"	18"	214 LB



PLANTER | CONE



	Height	Diameter	Weight
S	24"	21"	87 LB
M	36"	24"	167 LB



PLANTER | *LINEA*



	Dimensions	Weight
S	22" (H) X 36" (W) X 12" (D)	180 LB
M	36" (H) X 36" (W) X 16" (D)	278 LB



SHALLOW | NEWPORT



	Dimensions	Weight
S	5 1/2" (H) X 18" (W) X 18" (D)	37 LB
M	7 1/2" (H) X 24" (W) X 24" (D)	63 LB
L	7 1/2" (H) X 30" (W) X 30" (D)	105 LB
XL	8" (H) X 36" (W) X 36" (D)	138 LB



ADOBE BUFF CAPPUCCINO ROSE ANTIQUE GOLDEN SANDSTONE SANDSTONE WALNUT WHITE DOVER BLUE FRENCH GRAY DARK GRAY



SHALLOW | *OCEANSIDE*



	Height	Diameter	Weight
S	5"	18"	31 LB
M	6"	24"	57 LB
L	7"	30"	97 LB
XL	8"	36"	126 LB



BUILT TO *LAST*,
DESIGNED TO
INSPIRE.

 MODA CONCRETE®

APRIL 30, 2026 @ IRVINE, CA

EDUCATION FACILITIES PANEL SCHOOL DISTRICTS

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ROLAND MUELLER

Facilities Asset Development Director
for Planning + Design @ Los Angeles
Unified School District (LAUSD)



JAMES KRUEGER

AIA, NCARB - Director of Design @
HMC Architects



ALEX BELANGER

Chief of Operations @
Fresno Unified School District
(FUSD)

Presenters:



LAUSD
UNIFIED



Fresno Unified
School District

Moderated by:

HMC
Architects
DESIGN
FOR
GOOD

**#masonry
matters**

Introduction

James Krueger, AIA, NCARB, SARA is the Director of Design at *HMC Architects*

- Focused on creating positive impact through design
- 25+ years experience in education, and civic projects
- 80+ design awards:
 - American Institute of Architects (AIA)
 - Design Build Institute of America (DBIA)
 - Chicago Athenaeum
 - US Green Building Council (USGBC)
 - Architecture for Learning Environments (A4LE)
 - Coalition for Adequate School Housing (CASH)

Moderator



DESIGN
FOR
GOOD
HMC
Architects

Introduction

Alex Belanger is the Chief Executive Over Operations & Services,
Fresno Unified

- Oversees operational services for CA's 3rd-largest district (70,000+ students)
- Leads Facilities Planning, Maintenance & Operations, and Energy Management
- Directs construction, modernization, and long-term facility strategy
- 30+ years in construction and project management
- Serves on City of Fresno Capital Projects Oversight Board
- Member, Central Unified SD Bond Oversight Committee

Panelist



Introduction

Moderator



Roland Mueller is the Director of Project Development and Design with the Asset Management Branch of LAUSD's Facilities Services Division

- Licensed Architect with 20+ years of experience in the K-12 sector
- Develops and Manages capital improvement programs/projects
 - Measure RR Bond Program: \$7 Billion (Nov. 2020)
 - Measure US Bond Program: \$9 Billion (Nov. 2024)

Topics Covered



- Campus Safety
- Resiliency
- Affordability / Life Cycle Cost
- Creating Healthy Environments
- Energy Efficiency
- Historic Considerations
- Acoustical Performance
- Maintenance Benefits

BEYOND DURABILITY: CMU AS A K-12 CAMPUS STRATEGY

- Safety
- Lifecycle
- Implementation at Scale



THE PROBLEM WE'RE SOLVING

- Aging facilities and rising maintenance costs when applicable
- Increasing campus safety expectations
- Pressure to maximize bond funding
- Need for long-term, resilient solutions



WHY CMU BECAME A STRATEGY

- Shift from project-based decisions to system strategy
- Alignment between Facilities, M&O, and Safety
- Focus on lifecycle cost over first cost
- Standardization across campuses



CMU AS SAFETY INFRASTRUCTURE

- Perimeter hardening
- Supports controlled access
- Fire-resistant construction
- Reduces vandalism and forced entry



CAMPUS-WIDE APPLICATIONS

Classrooms and
structural
systems



Gymnasiums
(high-impact
durability)



Parking lots and
perimeter walls



Trash enclosures
and maintenance
buildings



CALIFORNIA CONTEXT

- Designed to meet DSA requirements
- Strong seismic performance (shear wall systems)
- Fire resistance in high-risk areas
- Proven in California K–12 environments





Lifecycle Cost Reality

- Higher initial cost than lightweight systems
- Reduced maintenance and repair frequency
- Extended lifecycle (40–60 years)
- Lower total cost of ownership



IMPLEMENTATION AT SCALE

- Standard design guide details
- Integrated into bond program delivery
- Early coordination with DSA and design teams
- Consistency across campuses with like buildings and or needs



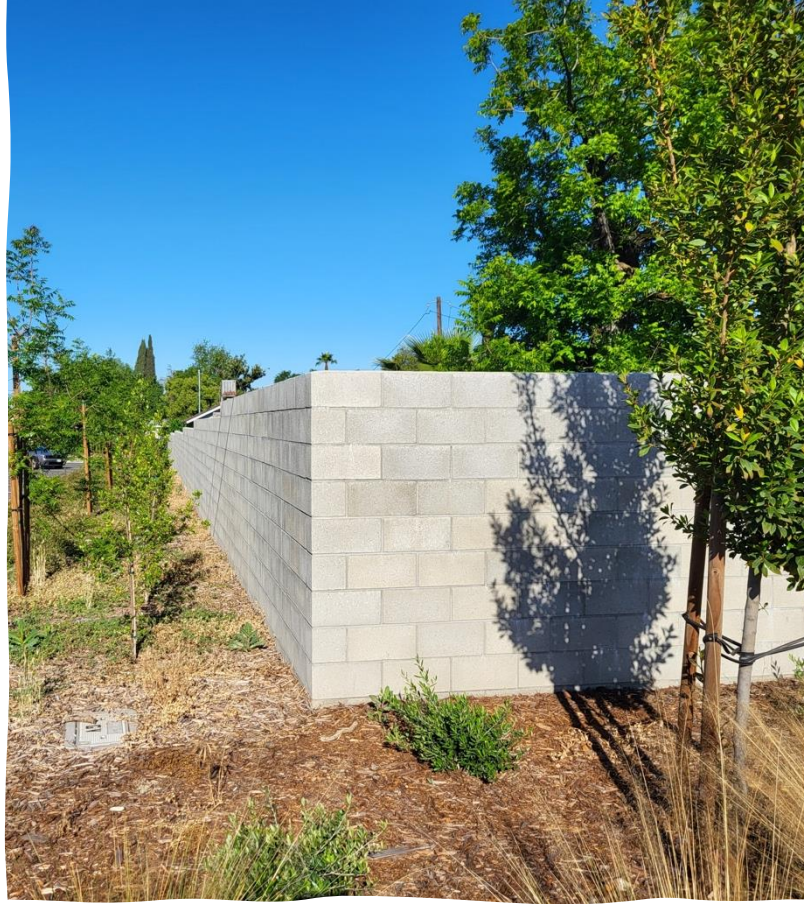
CASE STUDY: FRESNO HIGH & ROOSEVELT HIGH GYMS

- CMU used for high-impact durability
- Reduced repair from daily student and athletic use
- Supports long-term performance
- Lower ongoing maintenance demands



CASE STUDY: COLUMBIA/FARBER ELEMENTARY PARKING LOT WALL

- CMU wall installed for student safety
- Response to nearby active gunfire concerns
- Provides physical barrier and psychological security
- Critical layer of campus protection



CASE STUDY: FARBER EDUCATIONAL CAMPUS (EARLY LEARNING)

- CMU enclosure for preschool play yards
- Reduces exposure to adjacent streets
- Protects vulnerable early learners
- Creates secure outdoor learning space

LESSONS LEARNED

- Cost perception requires lifecycle education
- Early design coordination is critical
- Aesthetic concerns addressed through finishes
- Standardization drives success

IN SUMMARY

- CMU is infrastructure, not just a material
- Supports safety, durability, and financial stewardship
- Scalable across districts and campuses

Masonry Block Construction in Cali K-12 Schools



SAFE & STRONG
Earthquake & Fire
Resistant



ENERGY EFFICIENT
Lower Energy
Costs



**HEALTHY
ENVIRONMENT**
Better Indoor
Air Quality



**DURABLE &
COST-EFFECTIVE**
Long-Lasting &
Affordable

Agenda

- LAUSD Overview
- Projects Utilizing Masonry
 - John Burroughs Middle School
 - Sylmar Charter High School
 - Marquez Charter Elementary School
- Conclusion

LAUSD Overview



*The Los Angeles Unified School District (LAUSD) is the **second-largest** public school district in the US; and the **largest** in California.*

Enrollment:

- Serves over 500,000 students including K-12, charter, special, early and adult education

Size:

- Covers an area totaling 710 square miles, in which approximately 4.8 million people reside



LAUSD Overview

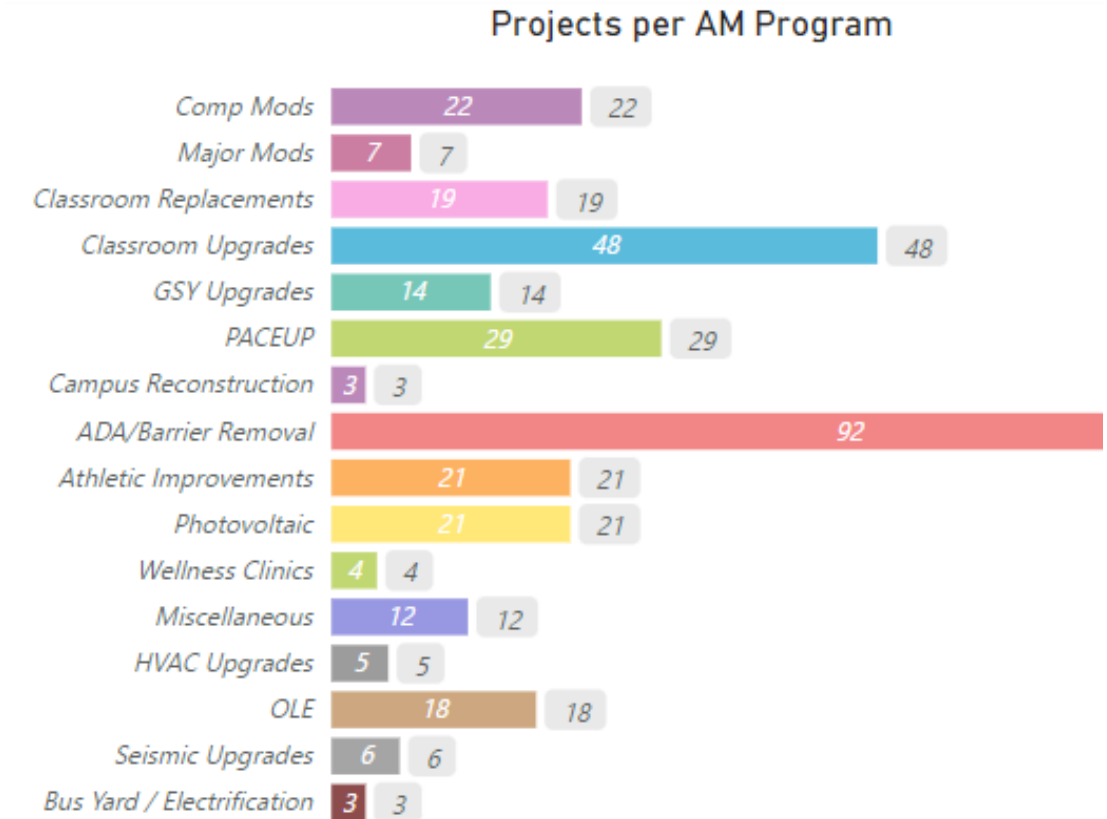


Facilities:

- Operates/manages over 1,000 schools, including Charter Schools.

Projects:

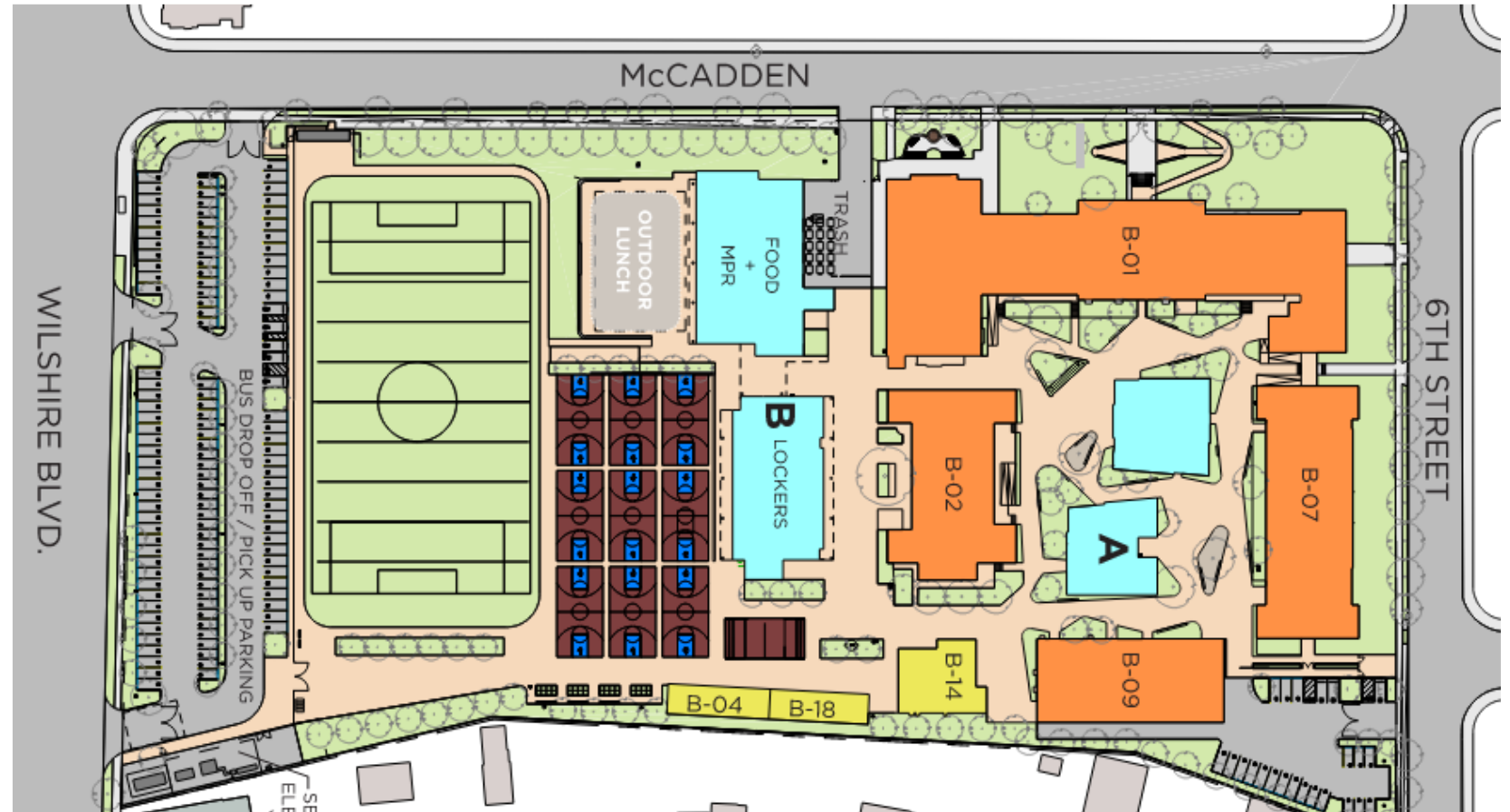
- Built 136 new K-12 school projects since 1997.
- More than 24,550 school rehabilitation, modernization and replacement projects have been completed.
- Currently managing the delivery of over 250 active design/construction projects.



John Burroughs Middle School

Comprehensive Modernization

- 4 Historical Buildings
- Built 1926
- New construction
- 22 projects in comprehensive modernization program



John Burroughs Middle School

Historic Context



John Burroughs Middle School

Life Cycle of Facility



John Burroughs Middle School

New Construction



Alexander Hamilton High School

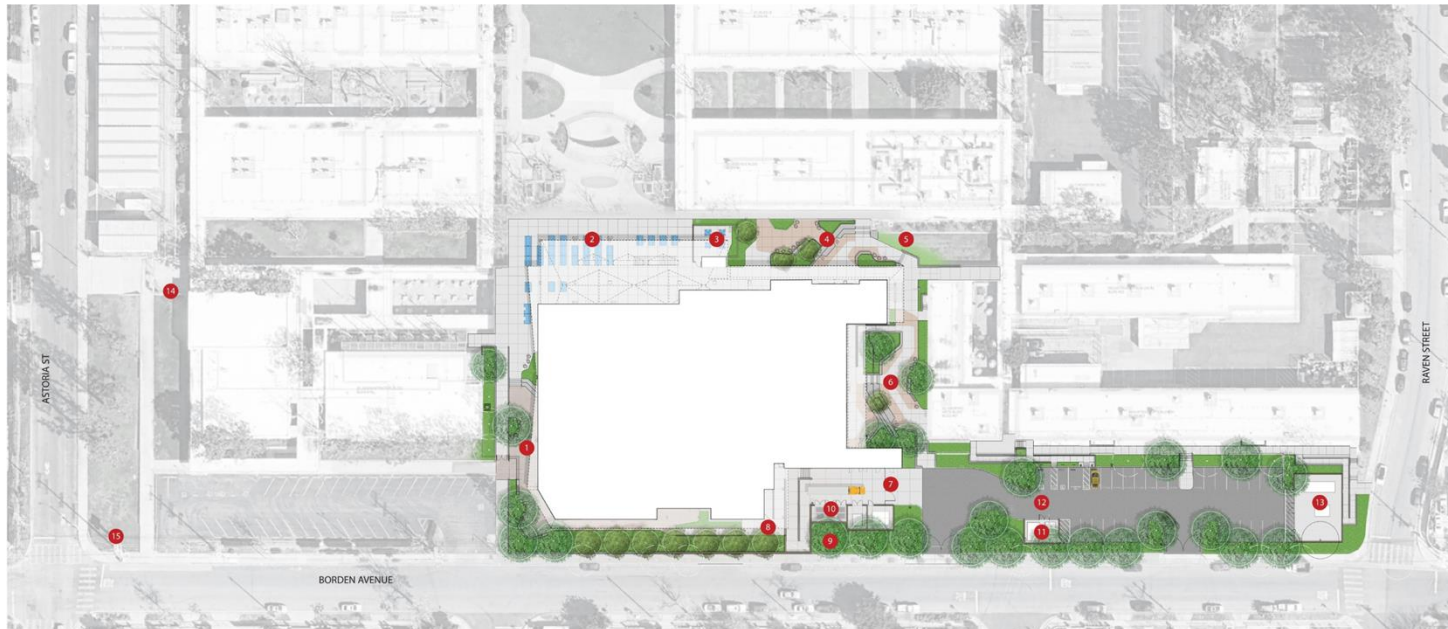
Comprehensive Modernization



Sylmar Charter High School

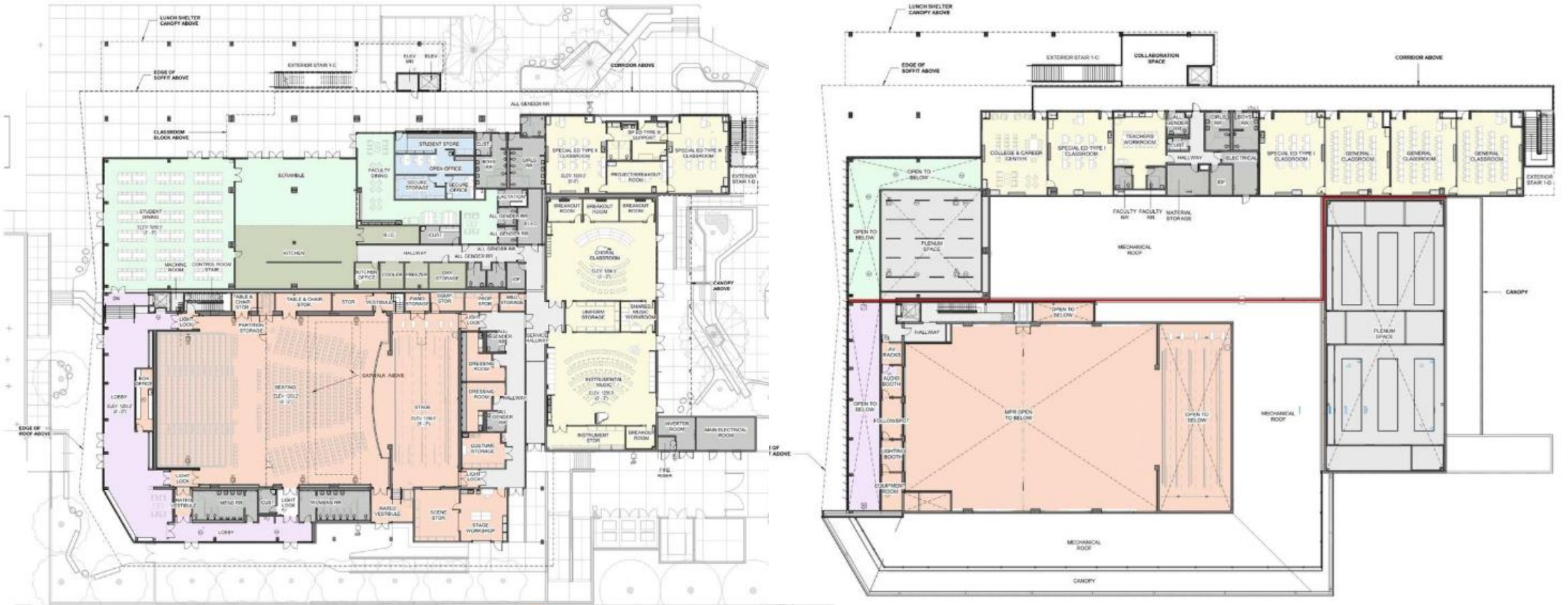
Major Modernization

- 7 major modernization projects in program
- Replacement of existing facility



Sylmar Charter High School

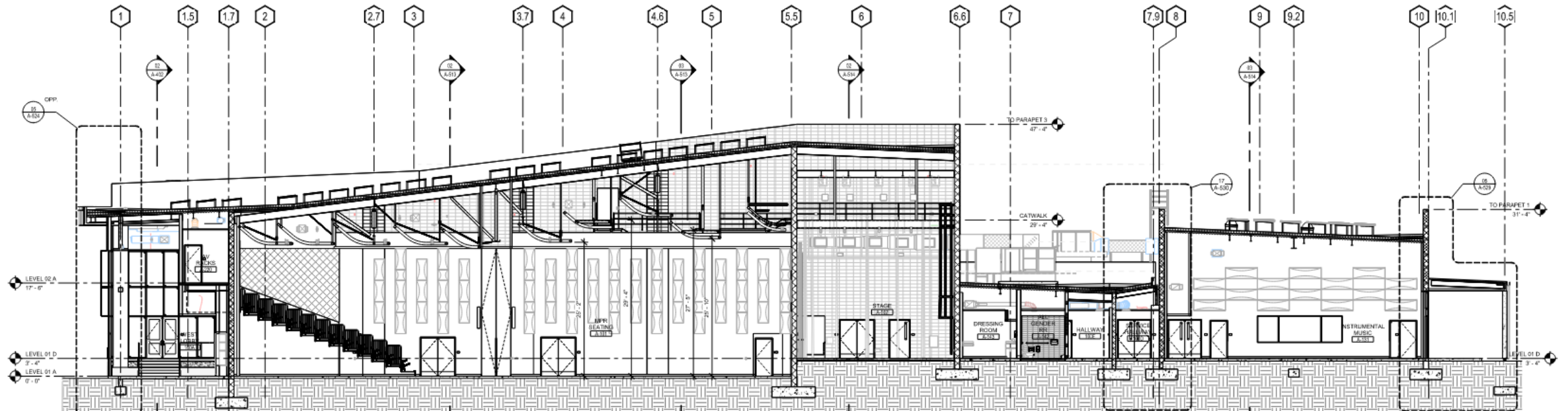
Floor Plans



Sylmar Charter High School

Structural Considerations

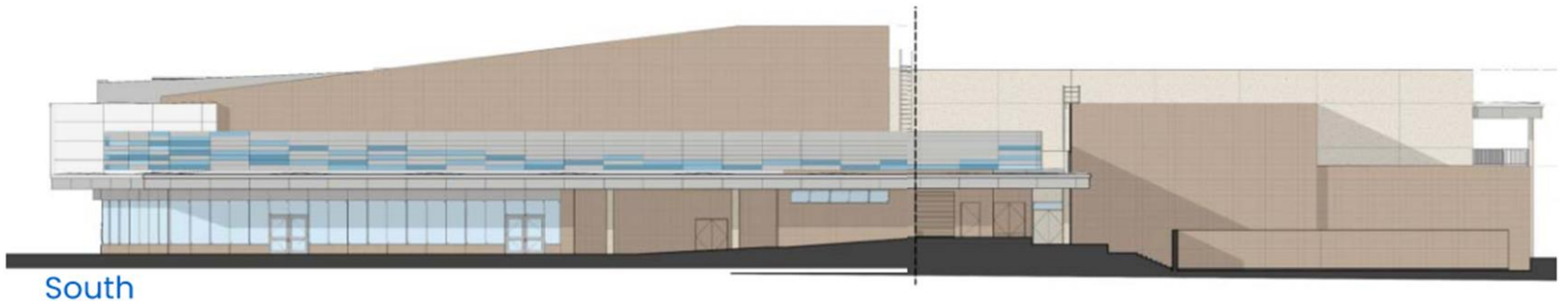
- Large volume spaces – Gyms, MPR, Auditorium
- Durability
- Single trade provides multiple benefits



Sylmar Charter High School

Material Considerations

- Masonry provides more flexibility
- Acoustical performance
- Thermal mass



Sylmar Charter High School

Cost of Construction

- Life cycle cost
- Single trade vs multiple trades



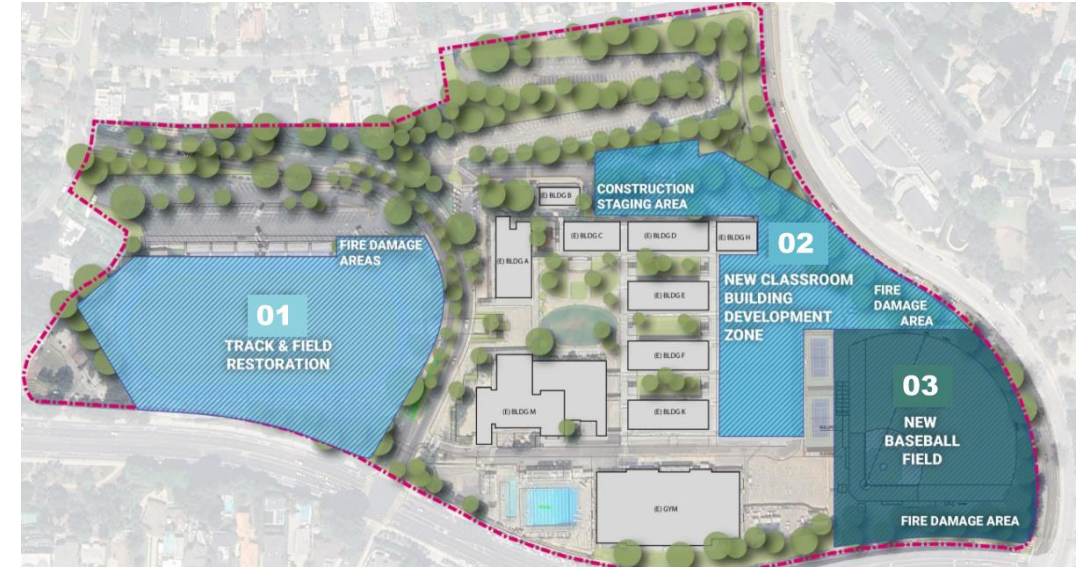
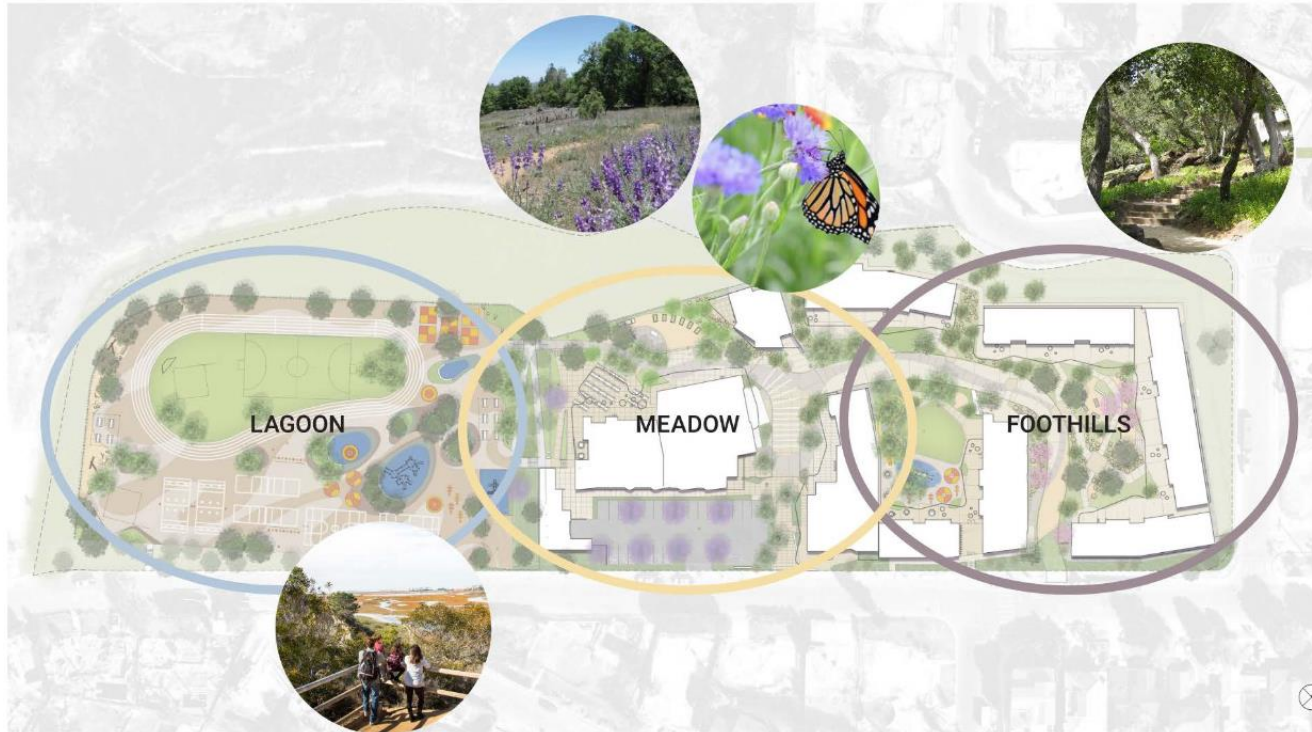
Marquez Charter Elementary School



Fire Reconstruction

Impacted Campuses:

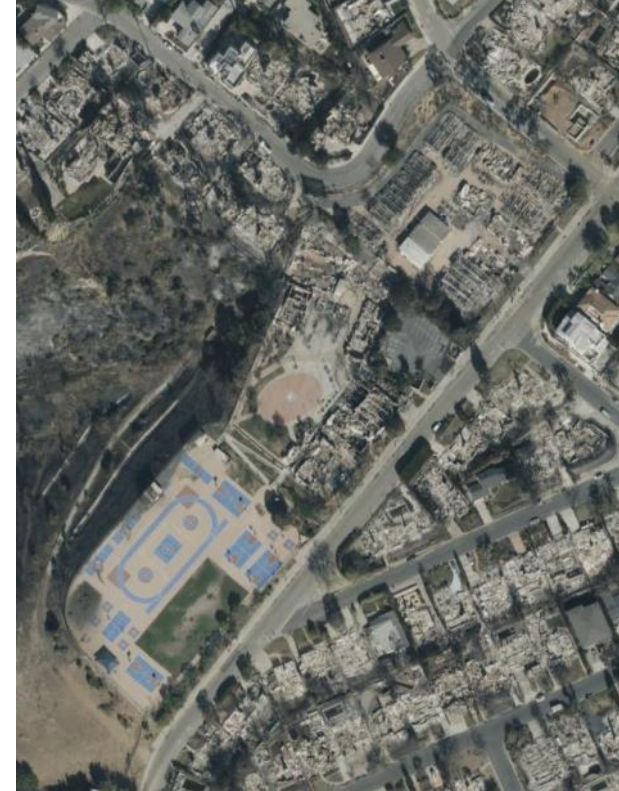
- Palisades Charter High School
- Palisades Elementary School
- Marquez Charter Elementary School



Marquez Charter Elementary School

Campus Vision

- Resiliency strategies
- Materials – masonry walls



Marquez Charter Elementary School



Aesthetic

- Historical context
- Burnished block choice
- Visual aesthetics



Masonry at LAUSD

- Life Cycle Cost
- Durability
- Safety and Security
- Acoustical Performance
- Energy Benefits
- Maintenance Benefits





LAUSD
UNIFIED



Thank You!

**#masonry
matters**

**CALIFORNIA
MASONRY**
SUMMIT
& EXPO
2026

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