



# Project Advisory Team (PAT) Meeting #5: May 14, 2019

**MEMORIAL**  
**HIGH SCHOOL MUSTANGS**



# Welcome & Introductions

## Spring Branch ISD

- **Scott Muri** Ed.D – Superintendent of Schools
- **Jennifer Blaine** Ed.D – Assoc. Superintendent of Talent and Operations
- **Travis Stanford** Director of Planning & Construction
- **Kris Drosche** Planning & Construction Project Manager
- **Lisa Weir** Memorial High School Principal

## Stantec Architects

- **Jennifer Henrikson** Principal - Architect
- **Tracy Eich** Principal - Architect
- **Mark Jackson** Senior Project Manager – Architect
- **Jon Pippert** Senior Project Architect – Architect

## Project Advisory Team (PAT)

- **MHS Community/Faculty/Student Members** (20+ person group)

# Agenda: PAT Meeting #5

## **1. Welcome + Meeting Overview**

**5 mins:**

PAT Charge + PAT Process + Objectives/Goals

## **2. Review Recommended Plan – Draft Presentation**

- \* Introduction: Project Scope & Schedule
- \* PAT Engagement: Process Overview
- \* Recommendation: Memorial HS, Phase I of Master Plan

### **Site Plan (Overall Campus)**

#### **West Campus Improvements**

- Site Plan
- Tennis Courts + Support Building

#### **East Campus Improvements**

- Site Plan
- Special Education & CTE (renovation at old dining)
- Courtyard + Bus Drop-off + Library
- New Building Floor Plans
- Interior + Exterior Renderings

**75 mins:**

## **3. Closing Remarks**

**10 mins:**

Wrap-up / Next Steps

# Welcome + Meeting Overview

## MHS Project Advisory Team (PAT) - Charge

### OVERVIEW

A Project Advisory Team (PAT) will be chartered for the planning of Phase I (Additions and Renovations) for **Memorial High School** under the school's project in the 2017 Bond Program.

### CHARGE

Each Project Advisory Team (PAT) member is charged with **providing input into planning and design development of Phase I (Additions and Renovations) for Memorial High School.**

The PAT will work collaboratively and cooperatively with the architect and SBISD Project Manager to **conceptualize, develop and refine the project's goals and design.**

The PAT will reach a **proposed recommendation through consensus.**

The PAT will advise on recommendations regarding the planning and development of the Phase I (Additions and Renovations) for Memorial High School.

**These recommendations will be presented by the project's architects:**

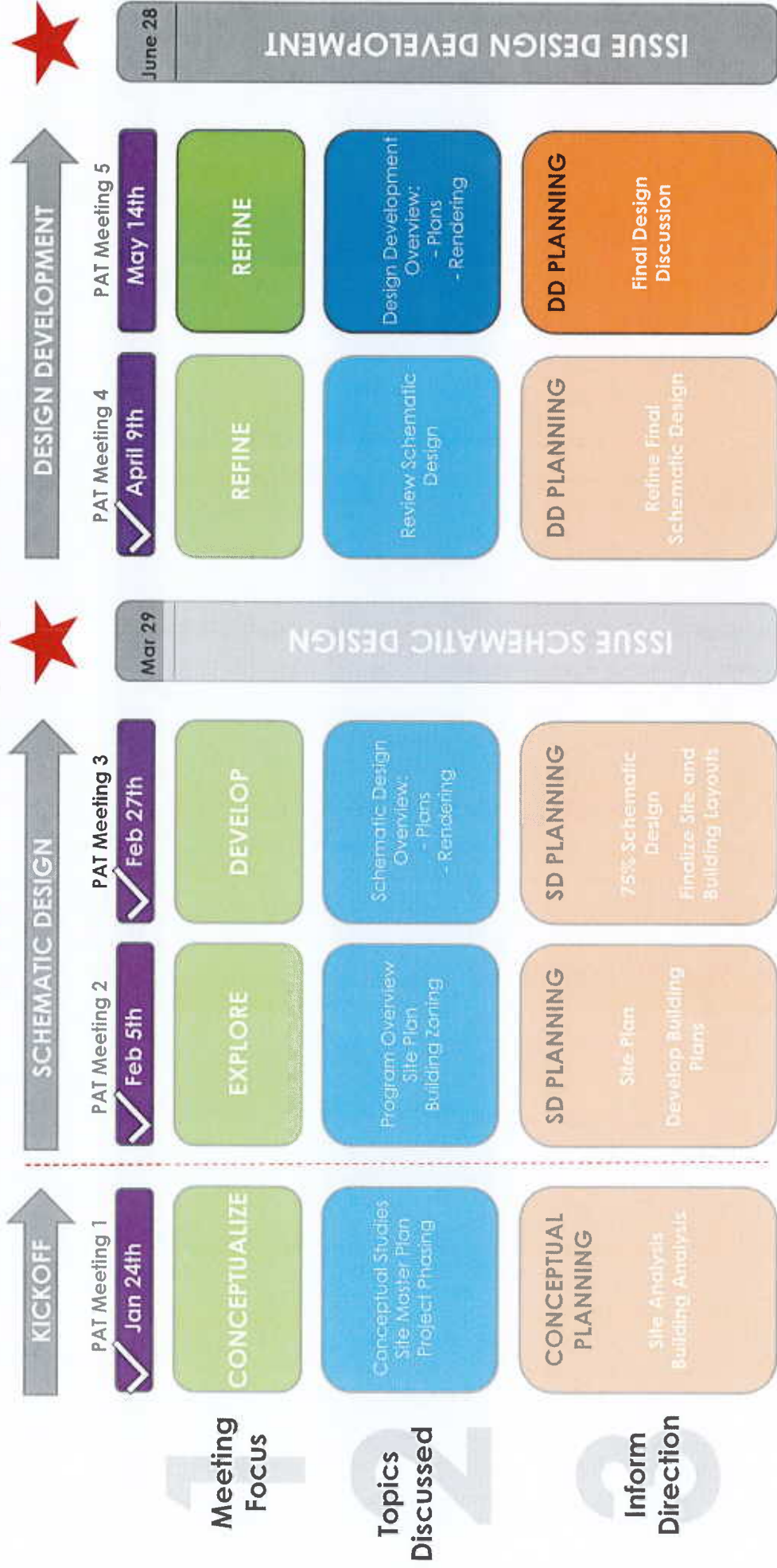
- 1) to the **Superintendent of Schools**, and based on approval from the Superintendent
- 2) to the **Board of Trustees** for their approval.

**The Board of Trustees may act upon the recommendations developed with PAT input by approving, amending, altering or not approving all or any part of the recommendations.**

## PAT Charge

# Meeting Schedule

## Memorial HS | PAT Engagement Process



PAT Process + Objectives/Goals



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5 mins:

PAT Charge + PAT Process + Objectives/Goals

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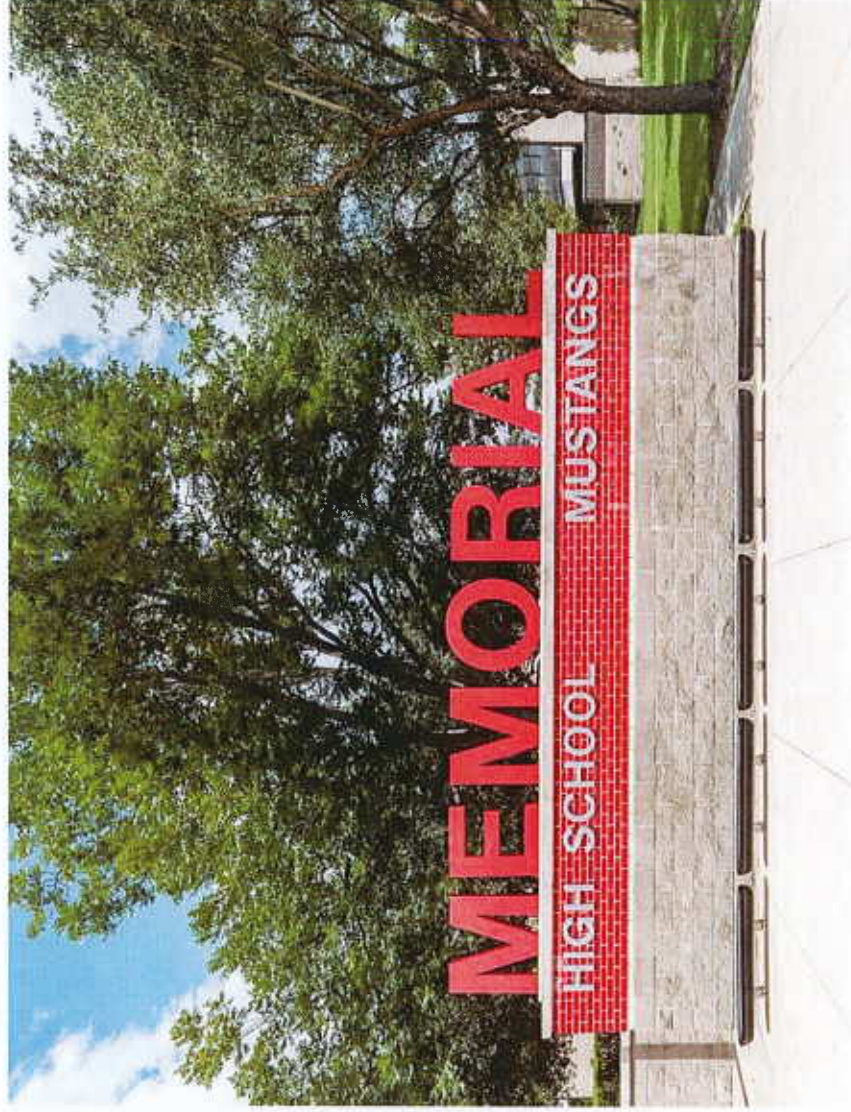
- Interior + Exterior Renderings

75 mins:

## 3. Closing Remarks

10 mins:

Wrap-up / Next Steps



**Memorial High School**  
Spring Branch ISD



# Memorial High School – Phase I of Master Plan SD / DD Recommendation

SBISD Administration: May 30, 2019



# Table of Contents

-  01 **Introduction:** Project Scope + Schedule
- 02 **PAT Engagement:** Process Overview
- 03 **Recommendation:** Phase I of MHS Master Plan





## Project Scope

- **Additions and Renovations at Memorial High School**  
(Phase I of the Master Plan)
- **On-Site Construction and Transition**
- **Estimated 140,000 SF new Multi-Level Building**  
based on SBISD High School Educational Specifications
- **Demolition of Aqua Wing, White Wing, Green Wing, and Science (Silver, Violet, Magenta) and Engineering Buildings (M, E)**
- **Renovations to remaining spaces to include:** MEP upgrades, security, life safety, and minor cosmetic improvements
- **Site work to include:** Tennis relocation, additional parking and vehicle stacking, parent drop, bus loop, and one artificial turf field
- **Estimated 2 year construction + Summer/Fall 2019 work**



## Proposed Project Schedule

- ✓ ➤ **Schematic Design Phase** January - March 2019
- ✓ PAT Meeting #1: January 24, 2019
  - ✓ PAT Meeting #2: February 5, 2019
  - ✓ PAT Meeting #3: February 27, 2019

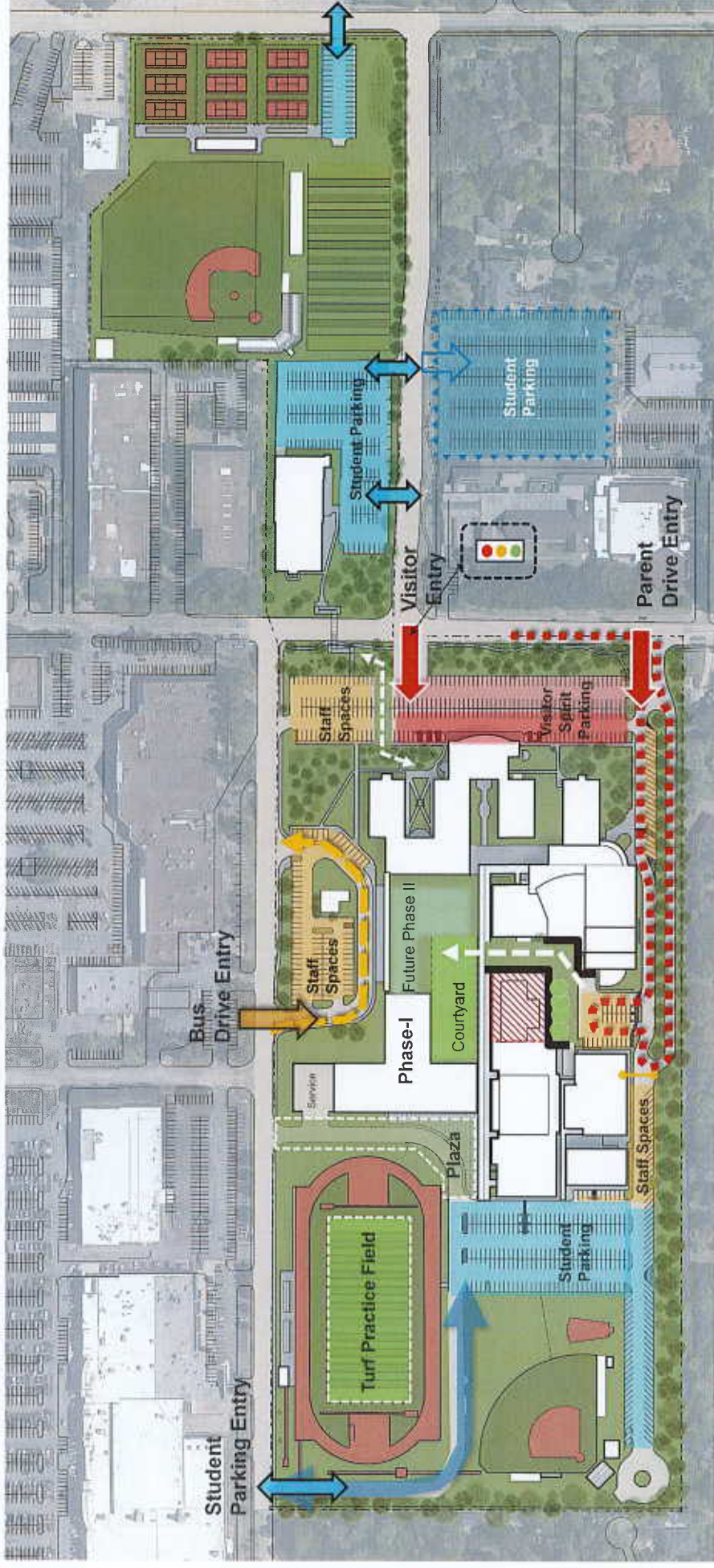
- ✓ ➤ **Design Development Phase** April - June 2019
- PAT Meeting #4: April 9, 2019
  - **PAT Meeting #5: May 14, 2019**

**PRESENT TO SBISD ADMIN (5/30) + SBISD BOARD (6/10)**

- **Construction Documents** July – November 2019
- **Procurement & Permitting** Dec 2019 – March 2020
- Board GMP Approval: March 2020
- **Construction Administration** April 2020 – June 2022\*
- \*Summer/Fall 2019
- Renovation Work: Summer 2020 (and 2021 if needed)
  - Complete New Building: Anticipated April 2022
  - Demolition of Existing Buildings: Anticipated April – June 2022
  - Renovation Old Dining: Summer 2022



# MHS Master Plan - Phase I



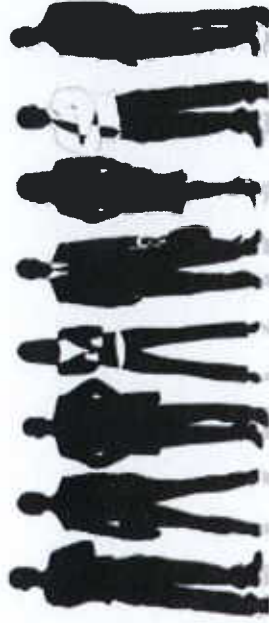
Phase I: Completed Condition / Access Points

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| 02 | <b>PAT Engagement:</b> Process Overview           |
| 03 | <b>Recommendation:</b> Phase I of MHS Master Plan |

# Project Advisory Team (PAT)

## 32 Participants



|                                 |
|---------------------------------|
| 1 Principal                     |
| 1 Asst Prin                     |
| CIT Members                     |
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| CIT Members                     |
| CIT Members                     |
| 1 PTA President                 |
| Lottery Drawn Parents           |
| Lottery Drawn Parents           |
| Lottery Drawn Staff Members     |
| Lottery Drawn Staff Members     |
| Lottery Drawn Students          |
| Lottery Drawn Students          |
| Each HOA served by MHS          |
| Each HOA served by MHS          |
| Each HOA served by MHS          |
| 1 Rep from Memorial Village     |
| 1 Local Business Representative |

## 21 = Memorial HS

## Staff + CIT + PTA President

## 06 = Lottery

## Parent + Staff + Students

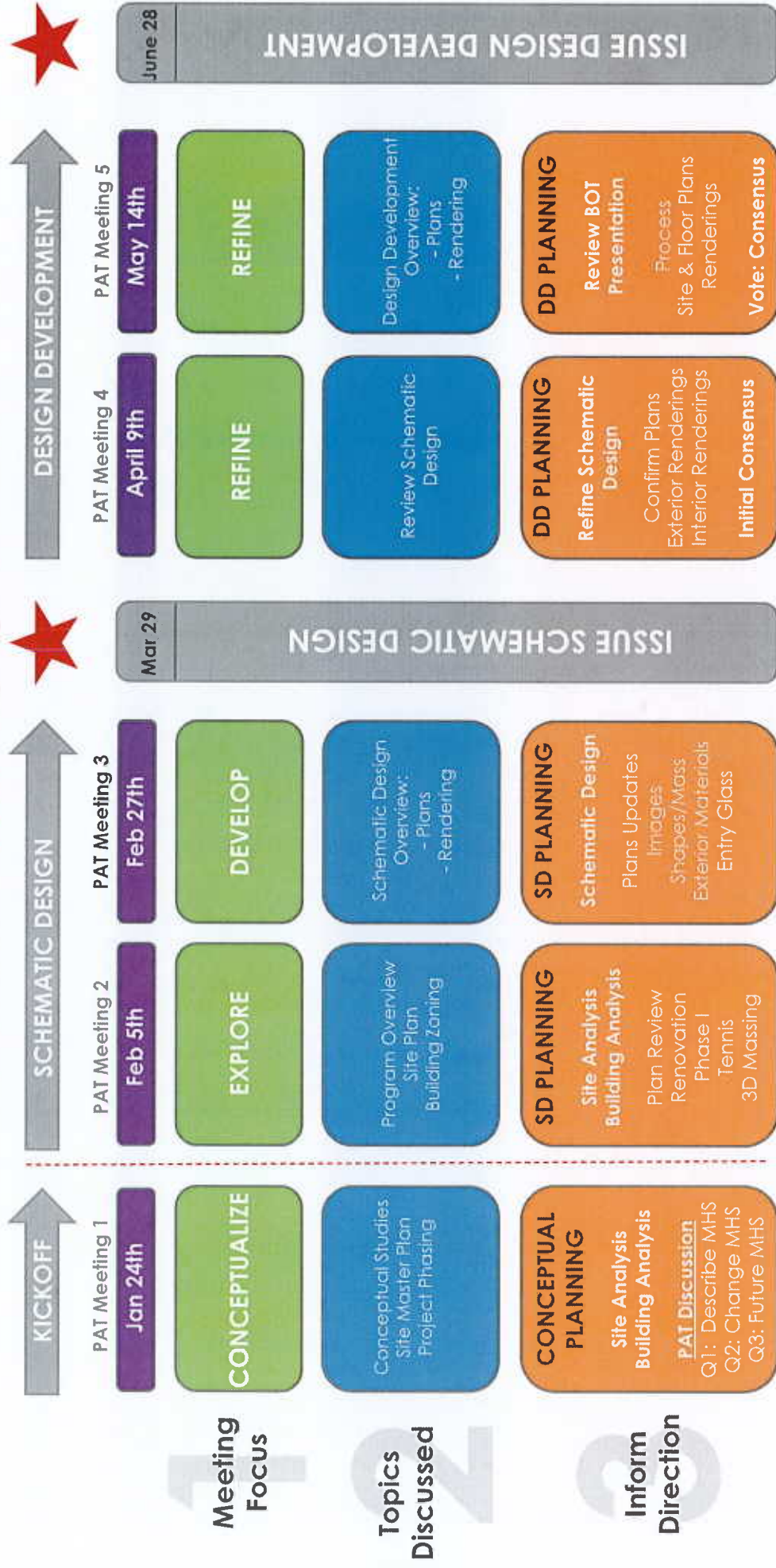
## 05 = Community

HOA + Business + City



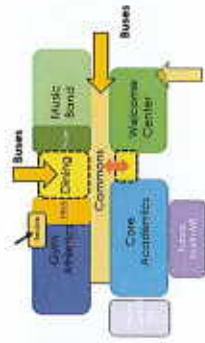
# Meeting Schedule

## Memorial HS | PAT Engagement Process



**PAT Process + Objectives/Goals**

## CONCEPTUALIZE



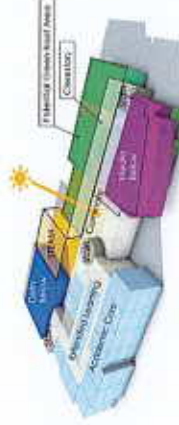
Concept-Ideas  
Diagrams

## EXPLORE



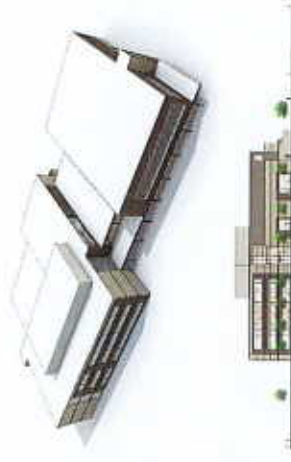
Concept-Floor Plans  
3-D Blocking & Stacking

## DEVELOP



Floor Plans – Furnishings  
Building Shape & Massing

## REFINE

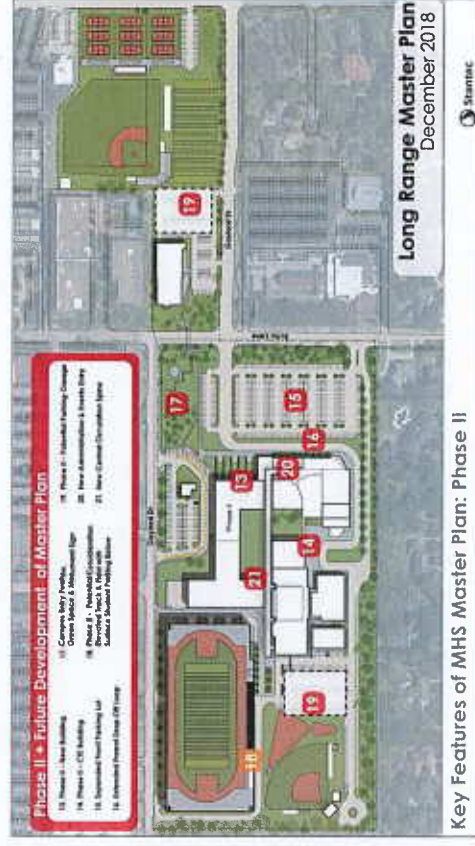
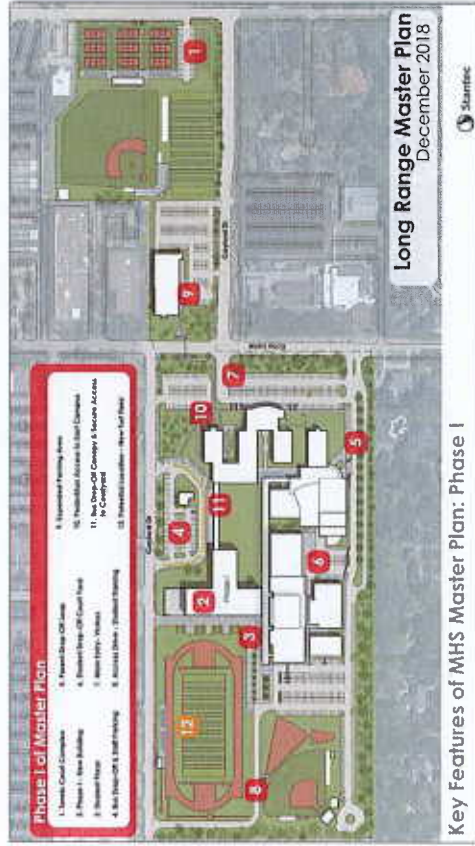


Revit Plans  
Architectural Expression

# MASTER PLANNING

## Master Plan Development

- Fall 2018 Master Planning Meetings (MPAT) prior to convening MHS Project Advisory Team
- Develop MHS Master Plan *Roadmap for Campus Development*
  - Phase I included in 2017 Bond Plan
  - Phase II is not funded (future development)
- Master Plan, Phase I = “Starting Point” for PAT





# SITE / BUILDING PLANNING

## Site Plan Development

### Construction Phasing

- Step 1 = Tennis Courts + Support Bldg.
- Step 2 = New Building Construction + Site Utilities
- Step 3 = Demo Existing + Renovate Old Dining
- New Bus Drive + New Parent Drop-off

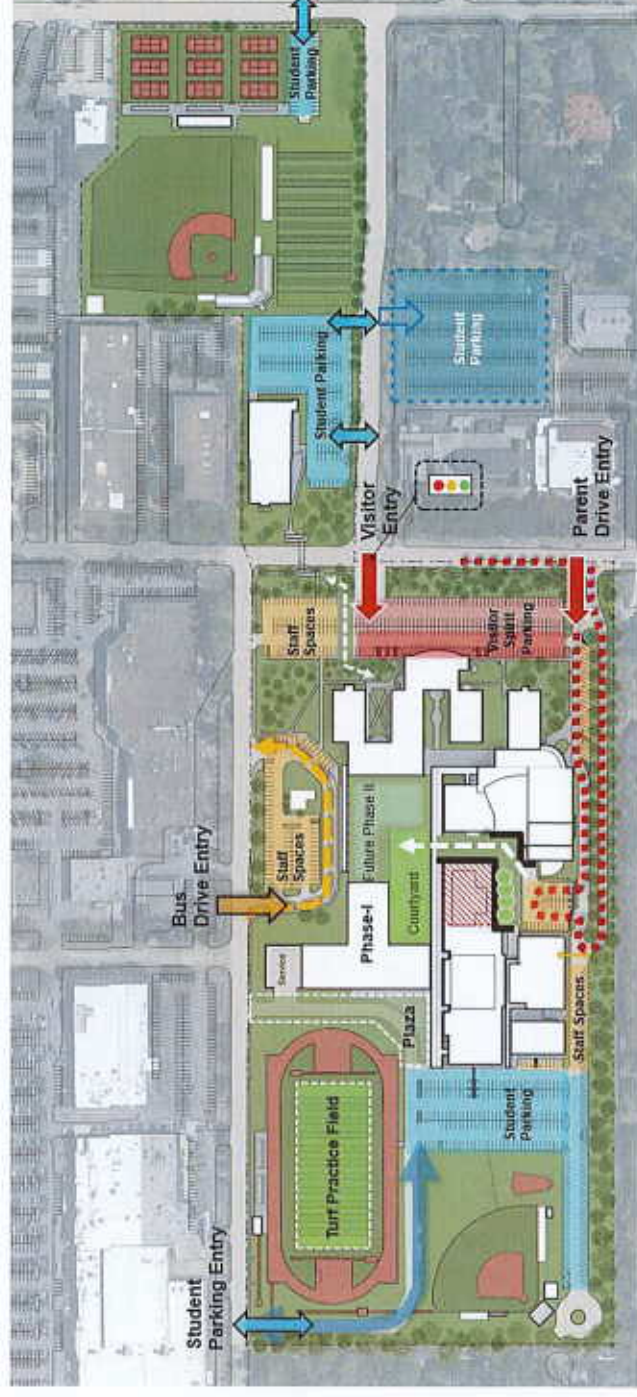
### East Campus

- New Tennis Courts + Support Building
- Remove (2) T-Bldgs. + Expand Student Parking

### West Campus

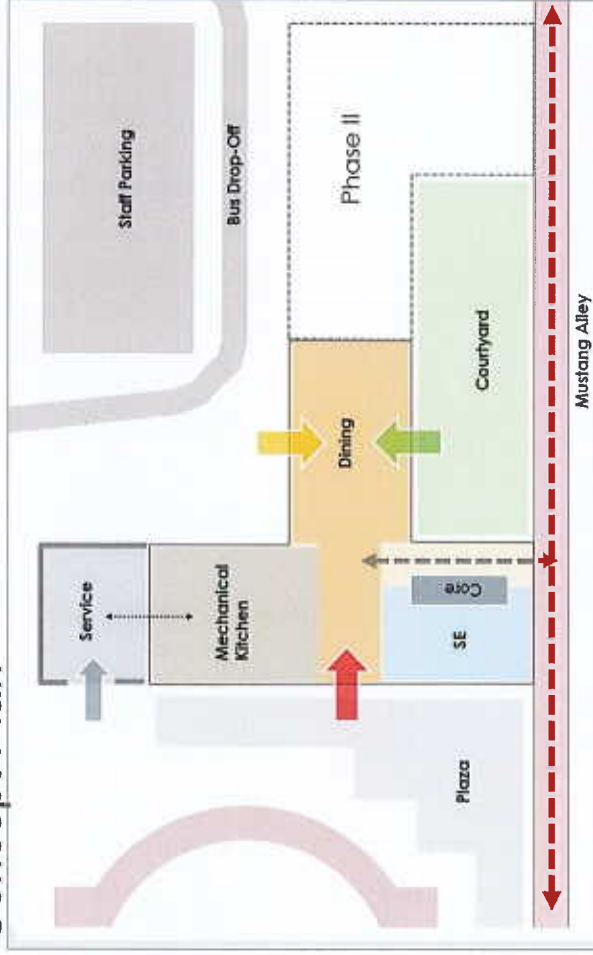
- Parent Drop-off / Visitor Parking
- Bus Drop-off / SPED Bus Pull-out
- New 4-story Building
- Renovate Old Dining Building
- Existing MHS Bldg. Improvements

*\*No relocation of Students or additional Portable Bldgs*



# NEW BUILDING ORGANIZATION

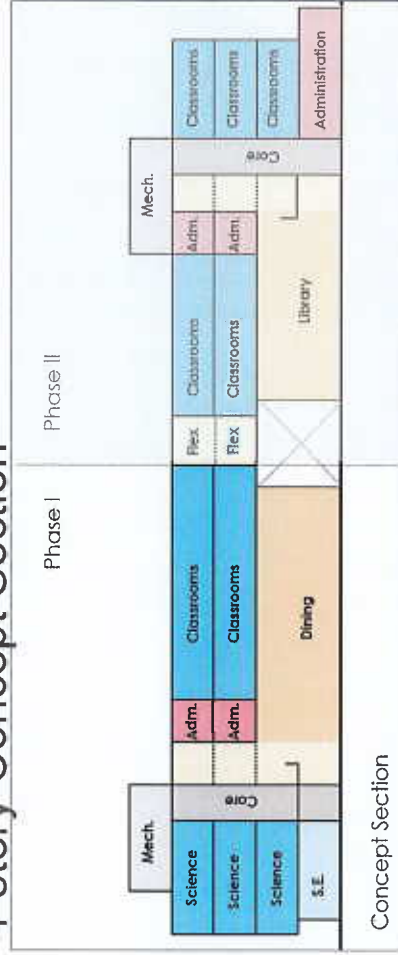
Concept Plan



## Building Layout / Plan Development

- **Spatial Organization / Adjacencies**  
Administration (AP Suite, Wellness Center, Learning Spaces (Classrooms + Flex/Collaboration) Dining Commons + Kitchen
- **Building Organization / Zoning**  
(20 Science) + (20 Clrms: M/E/SS) + (8 Clrms: TBldgs)
- **Multi-use Spaces / Flexibility**
- **Courtyard**  
Social + Learning Spaces
- **Security Zones / After Hours Uses**  
Learning Spaces + Dining Commons
- **Future Phase II**  
Connection with learning programs and courtyard

4-story Concept Section



# TEACHING AND LEARNING

## Learning Beyond the Classroom

- Facilitate Variety of Teaching Methods
- Support Personalized Learning
- Extended Classroom / Flex Spaces
- Easy to Adapt for Future (M.Plan, Ph II)

- Learning Environment Choices (Individual/ Group)
- Technology Rich / Interactive Environment
- Flexible / Mobile Furniture
- Acoustic Separation between Uses

Direct Instruction



Outdoor Learning

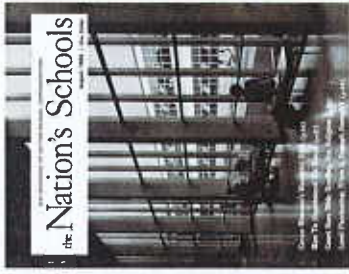


Collaboration / Flex





# SCHOOL EXPRESSION



## Existing School Expression

- School Mustang Pride
- Connections - Indoor / Outdoor
- Trees and Open Feel
- High Performing Students
- College Atmosphere



## Future School Expression

- Identity should have a WOW factor
- Welcoming for Community
- Strong Connection to the Outdoors
- Flexible / Adaptable to Today's Learners
- Easy to Navigate
- College Feel

# Table of Contents

- 01 Introduction: Project Scope + Schedule
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## Existing School Renovations

**1** Toilet Room Repairs & New Fixtures

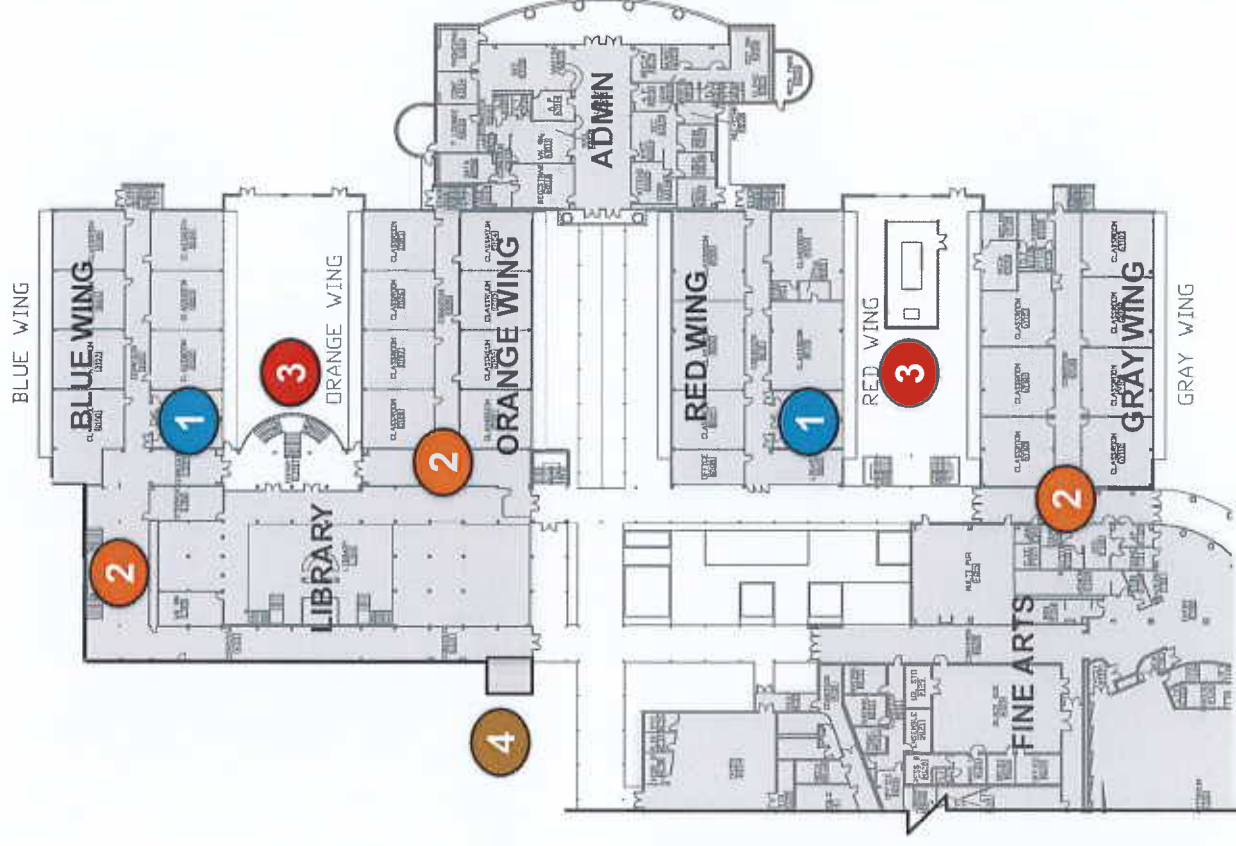
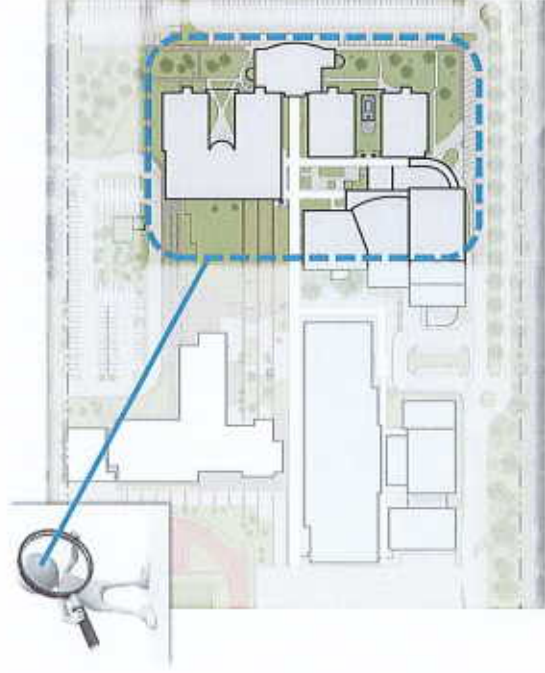
**2** Replace Broken Tile and VCT

**3** Repaint Exterior Stairs, Corridor Walls, Door Frames, and Exterior Plaster

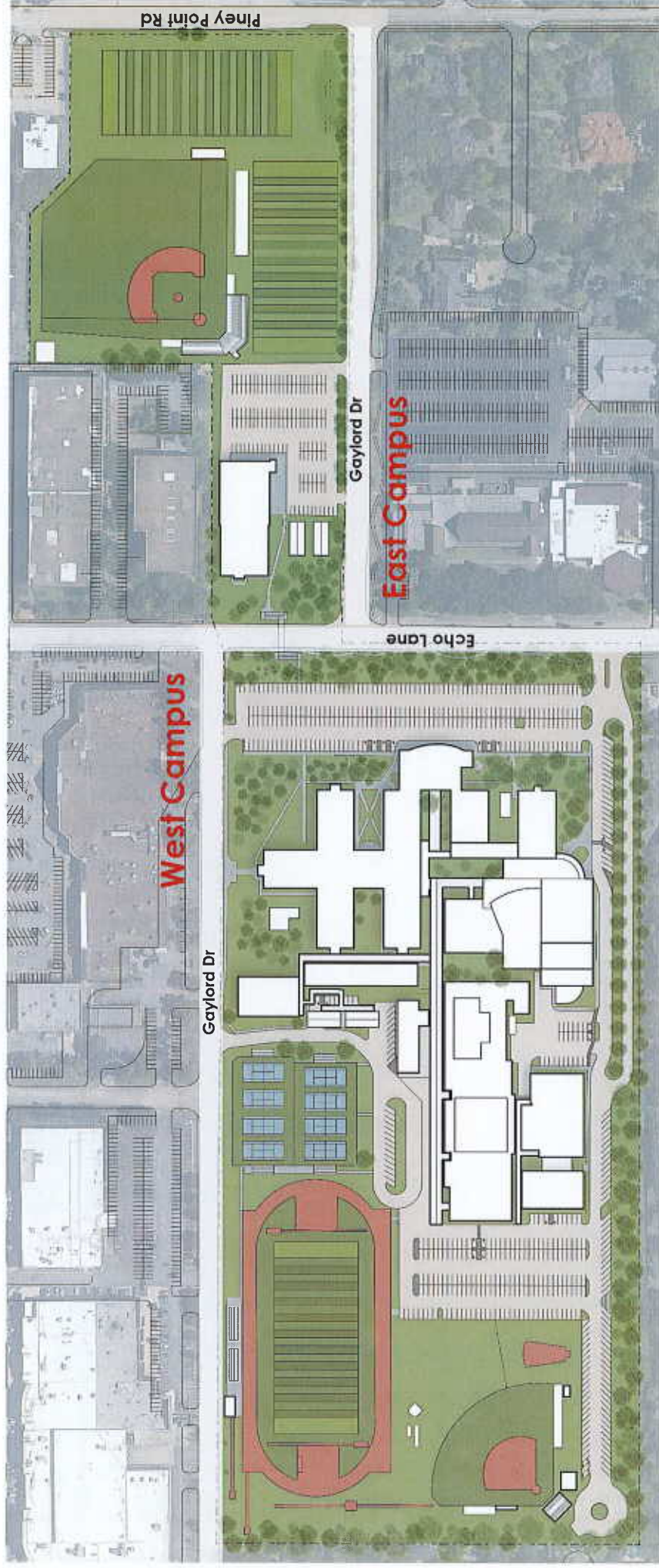
**4** New Elevator Due to Removal of Aqua Wing

### Other Items

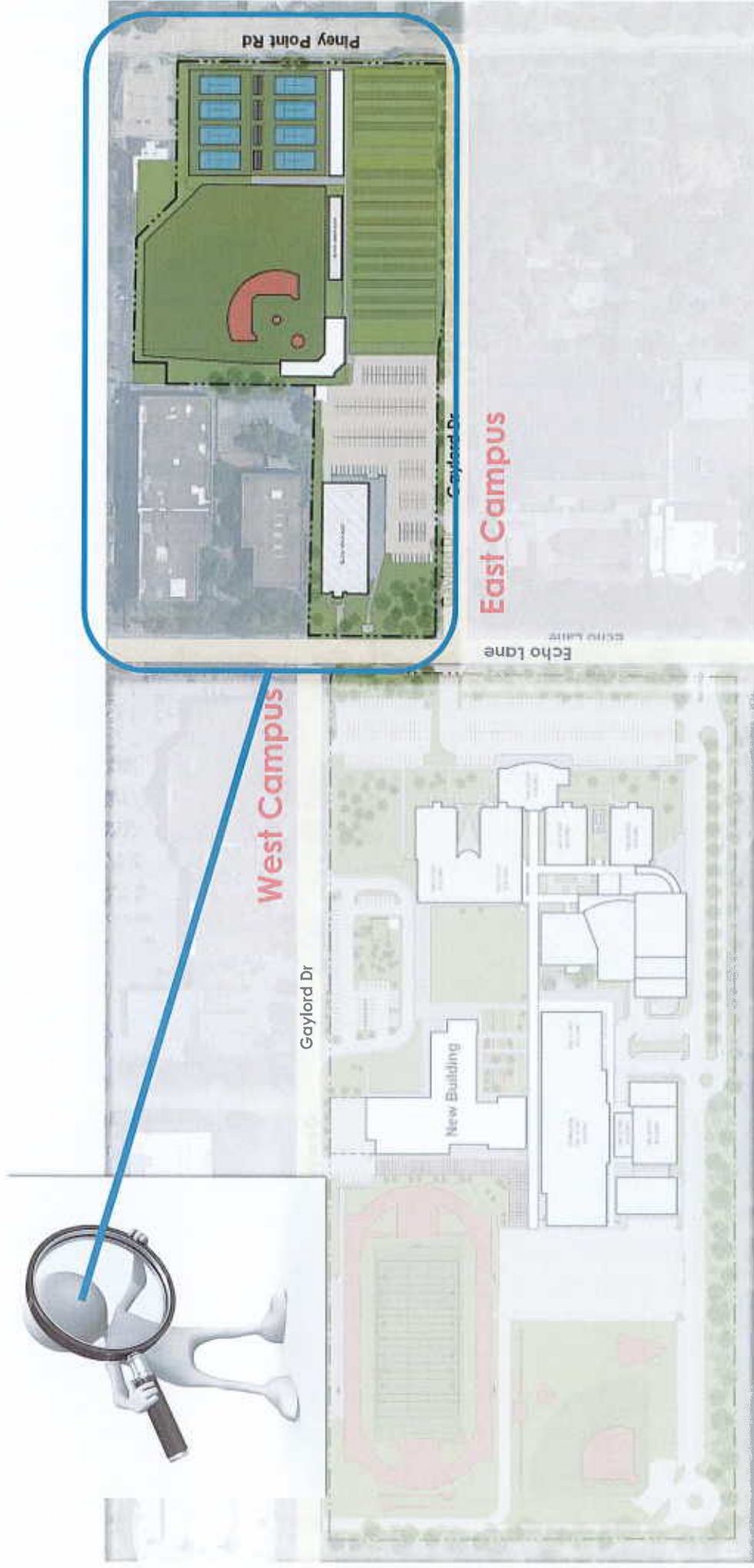
- Mechanical, Electrical, and Plumbing Upgrades
- Life Safety Upgrades
- Power Washing Brick







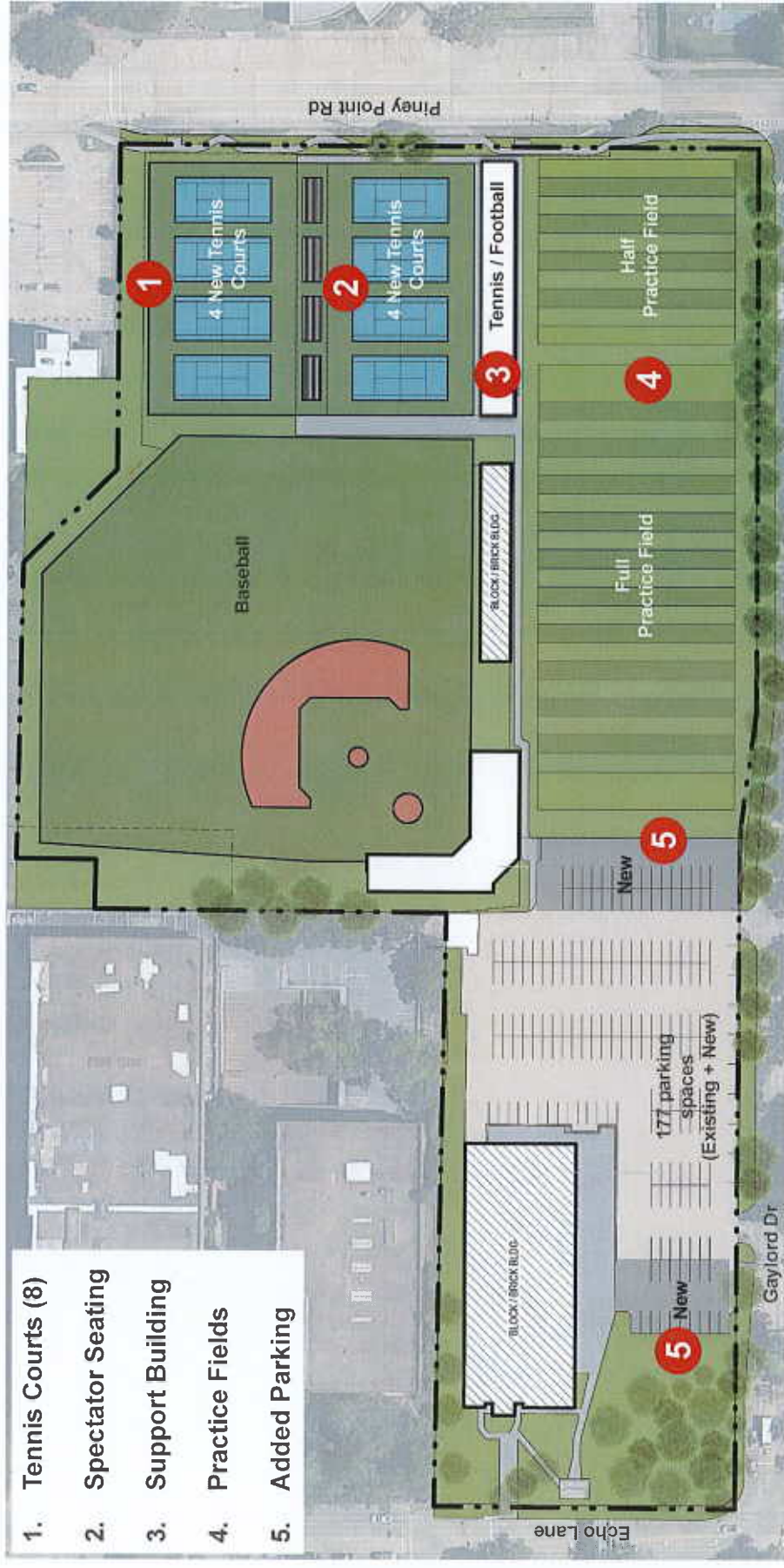
Memorial High School: Existing Condition



## Memorial High School: Phase I – Overall Site Plan



# Phase I - East Campus



Phase I – East Campus Site Plan



# Tennis Courts + Support Bldg.

## TENNIS COURTS

- 8 Tennis Courts
- Bleacher Seating looking both ways
- Canopy Cover over Spectator seating

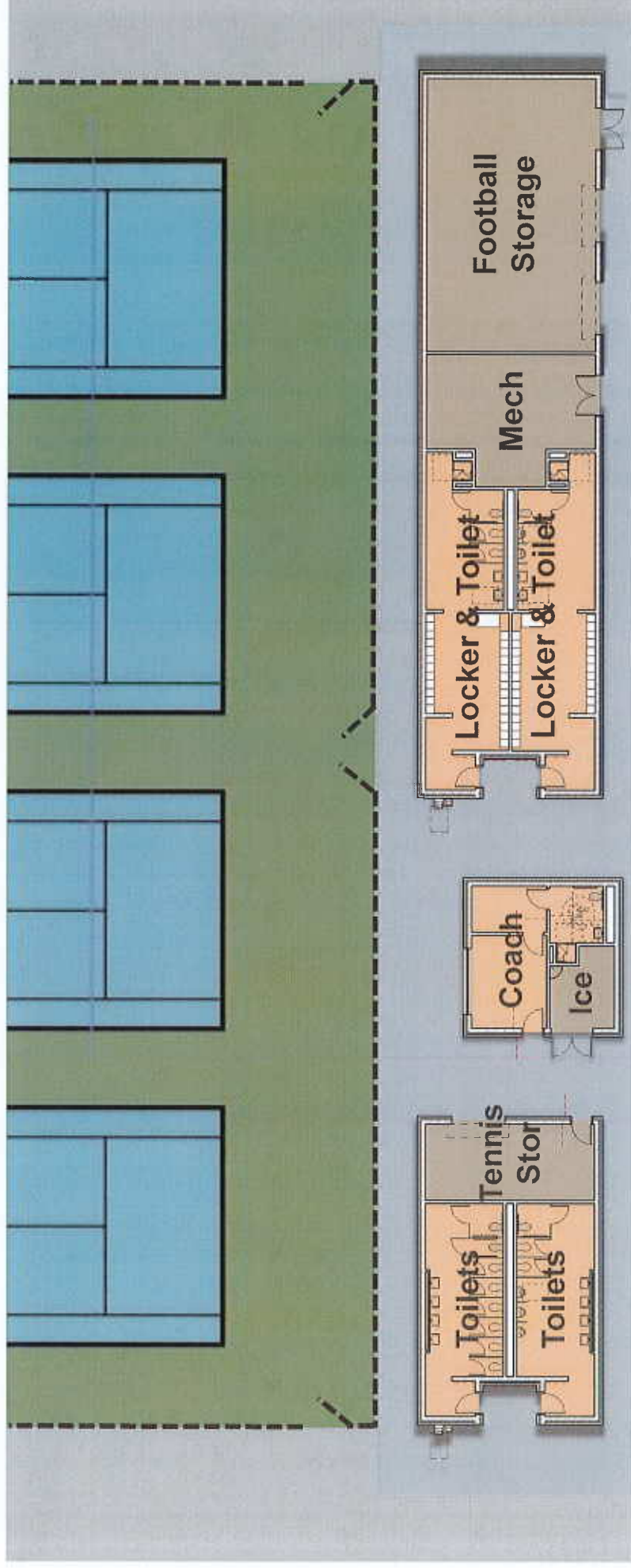
## TENNIS / FOOTBALL SUPPORT BUILDING

- Tennis Student Locker & Toilet Rooms
- Tennis Coach's Office
- Replaces existing Football Storage Bldg.
- Security fencing
- Pedestrian paving connection to existing Field House and Parking Lot



Piney Point Rd

## Tennis Courts + Support Bldg.



Support Building – Floor Plan

## Tennis Court + Support Bldg.



Existing Field House – Exterior View



Support Building – Exterior View



## Tennis Courts + Support Bldg.



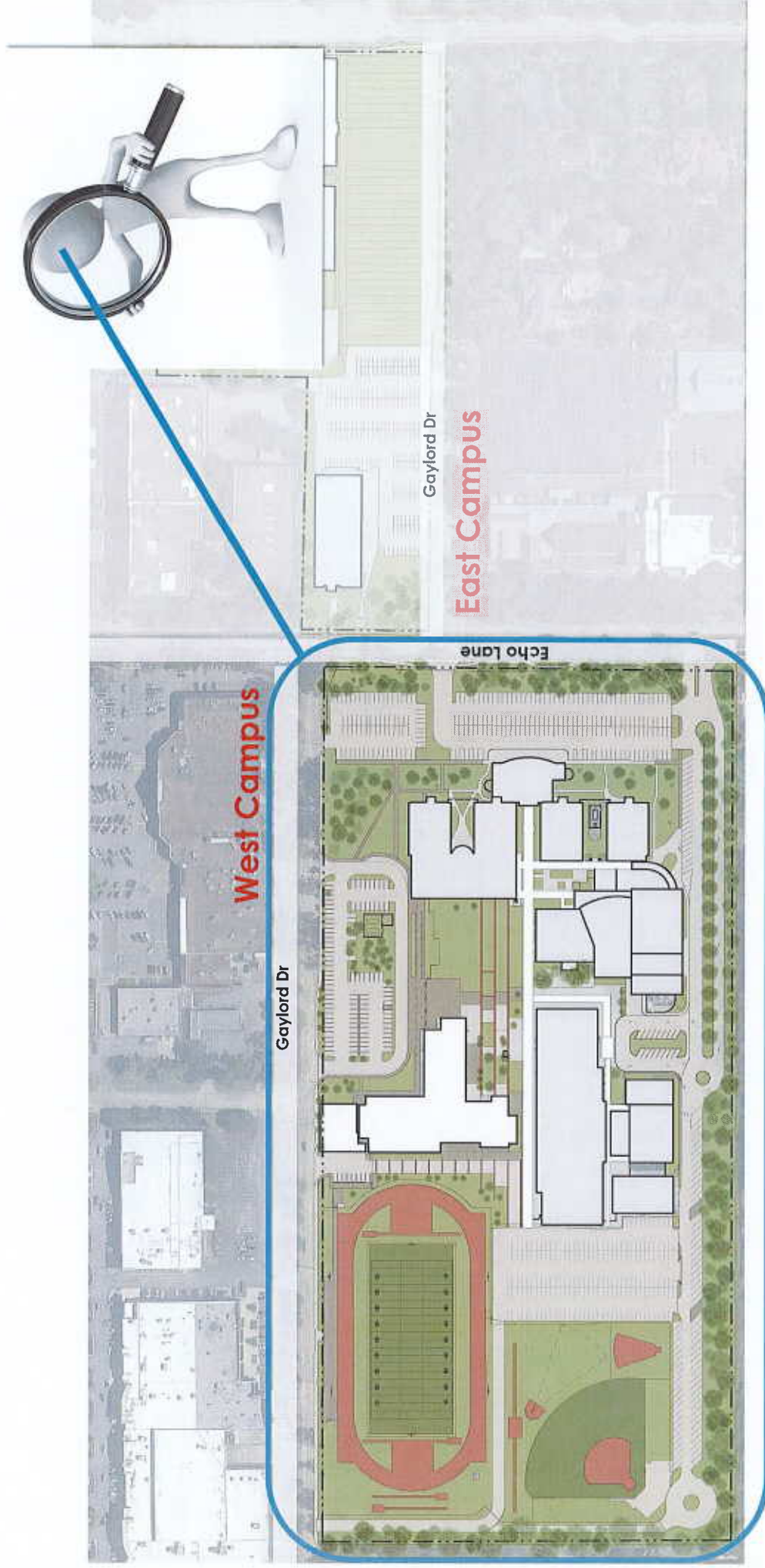
Aerial View of East Campus Improvements



## Tennis Courts + Support Bldg.



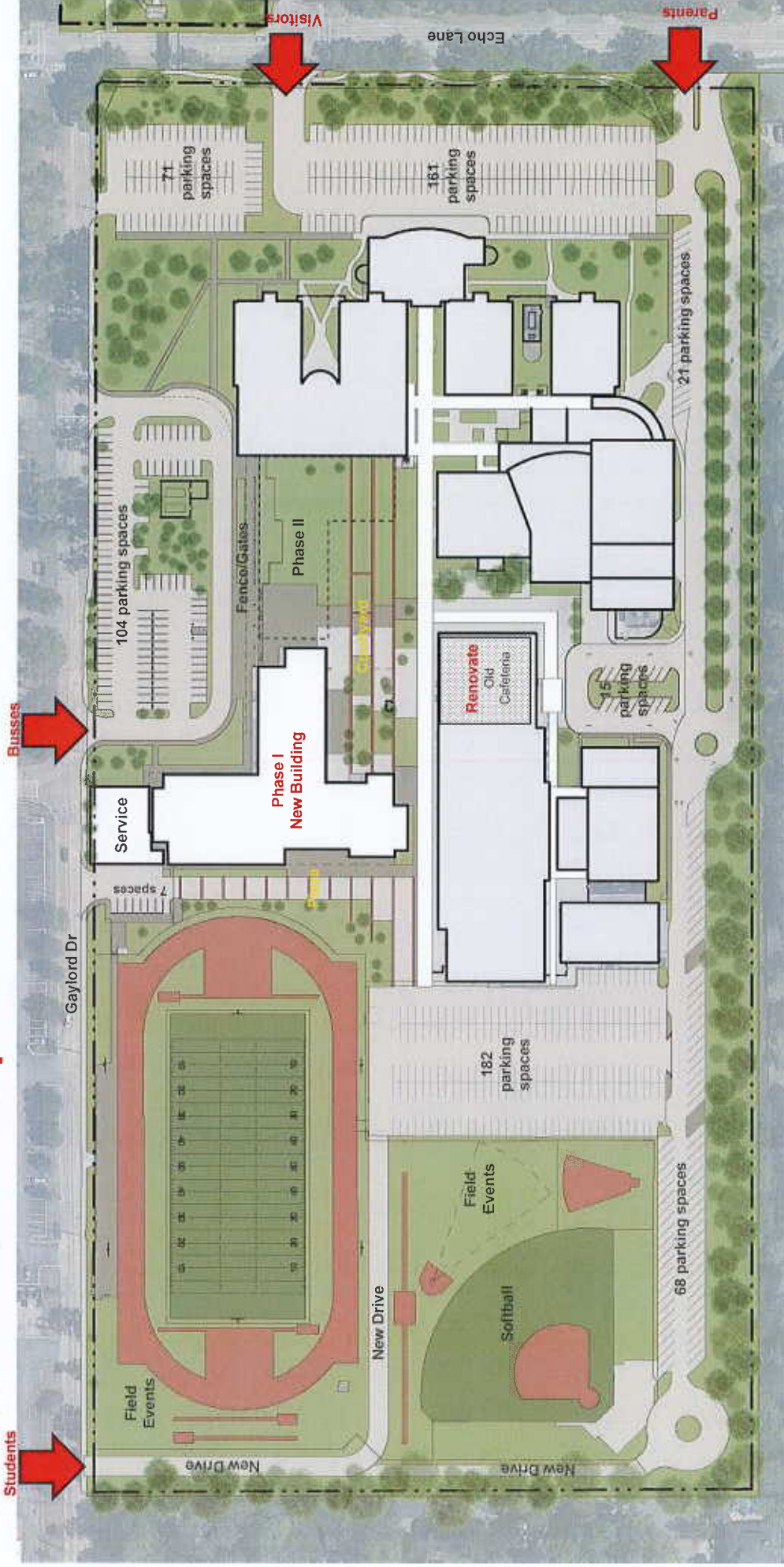
Tennis Courts with Covered Seating



## Memorial High School: Phase I – Overall Site Plan



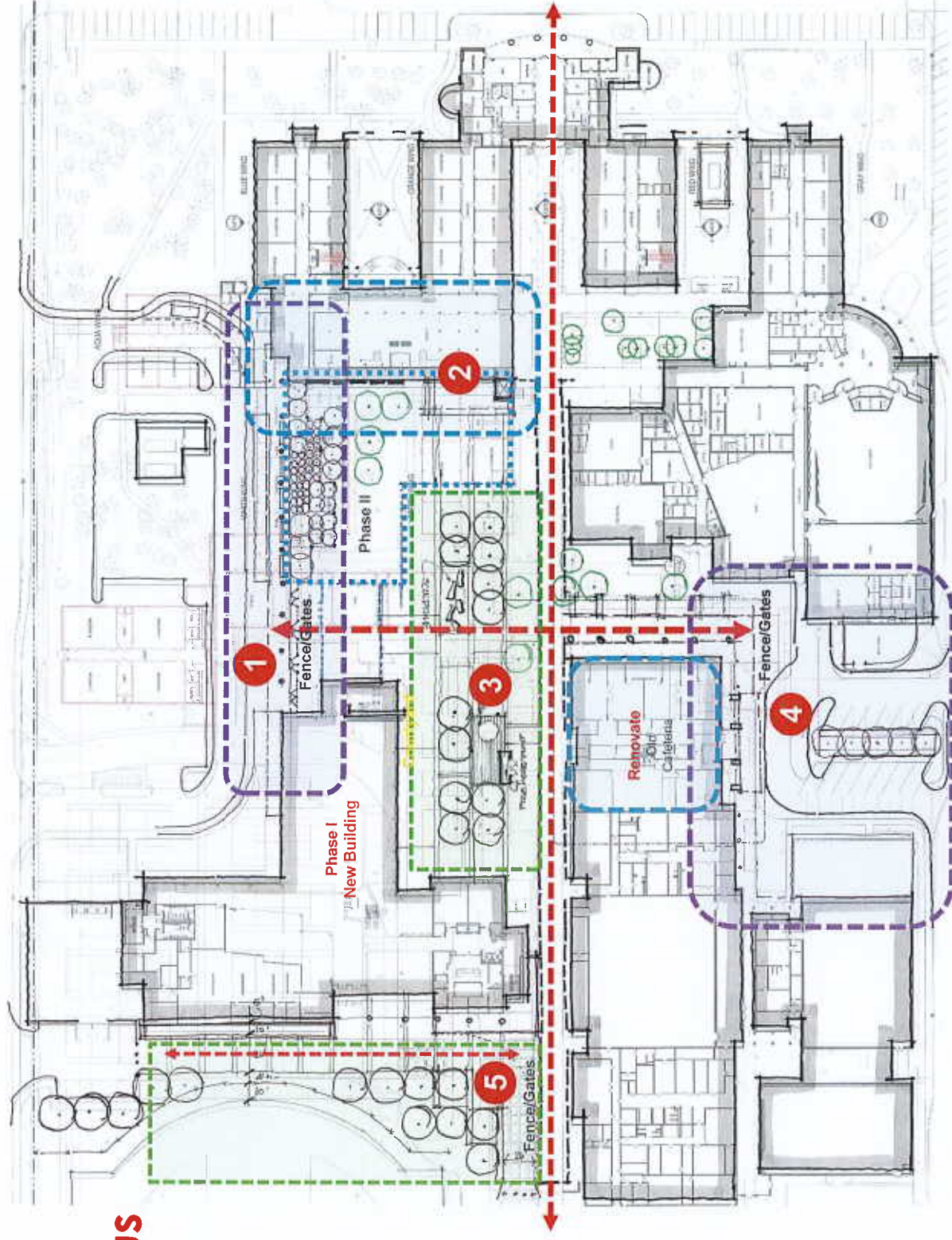
# Phase I - West Campus



Phase I – West Campus Site Plan

# Phase I: West Campus

1. Bus Drop-off
2. Library Facade
3. Courtyard
4. Parent Drop-off
5. Student Plaza



Site Plan Diagram



## Phase I - West Campus



Overall Aerial View

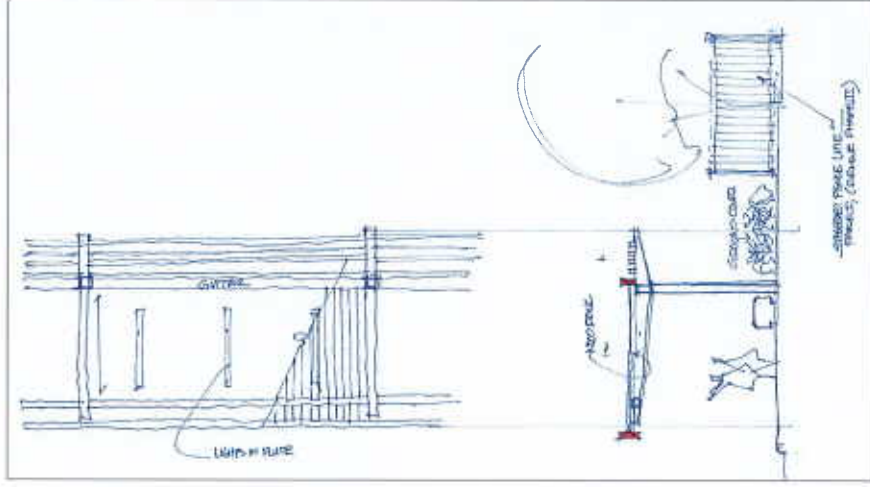


## Phase I - West Campus



Bus Drop-off (New + Existing Building)

## Phase I - West Campus



Bus Drop-off (New + Existing Building)



## Phase I - West Campus



Library Façade / Elevator



## Phase I - West Campus





## Phase I - West Campus



Courtyard (Outdoor Dining, Fire Hose)



## Phase I - West Campus



Courtyard (Outdoor Dining, Fire Hose)



## Phase I - West Campus



Courtyard (Outdoor Dining, Fire Hose)



# Phase I - West Campus

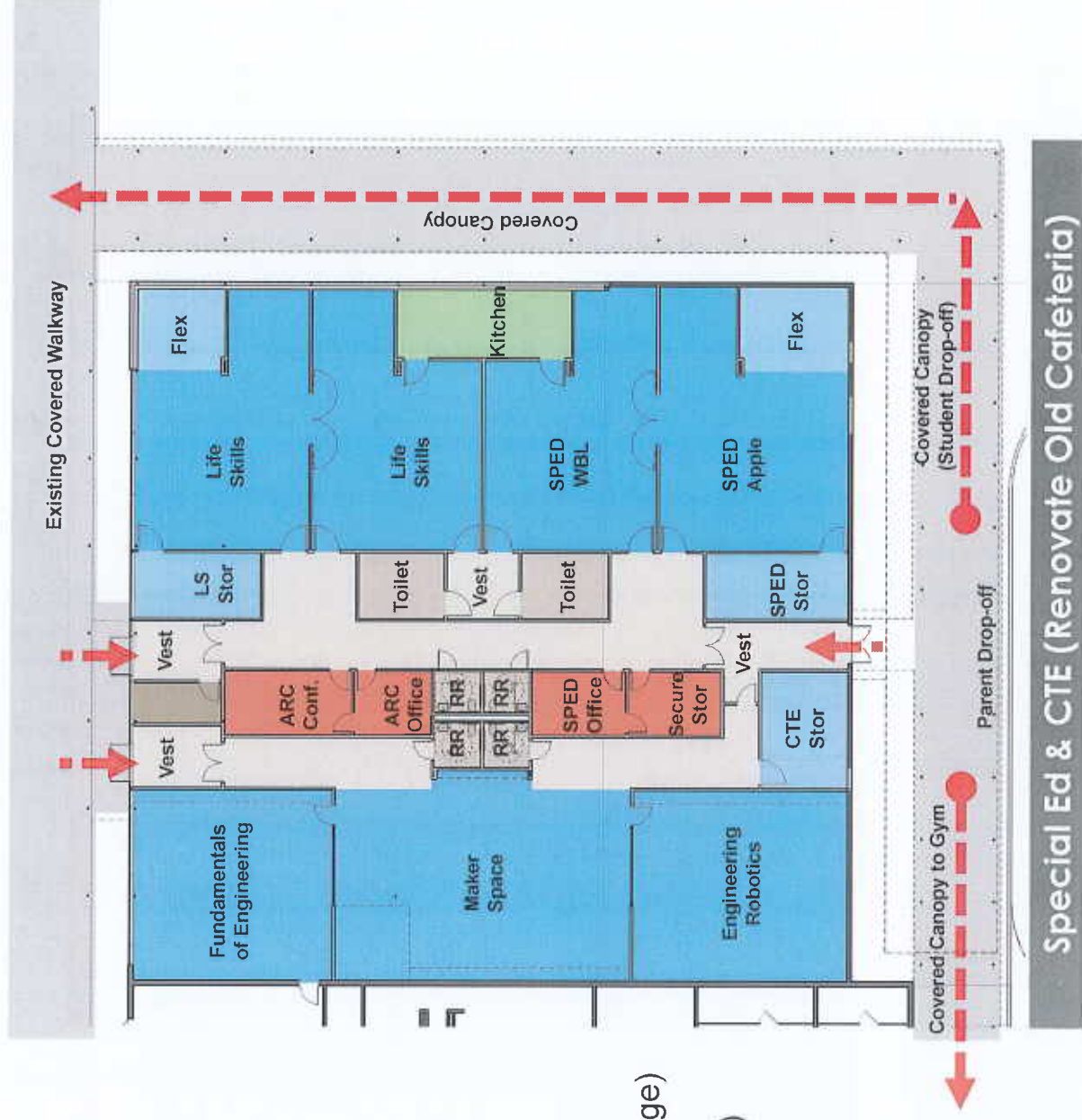
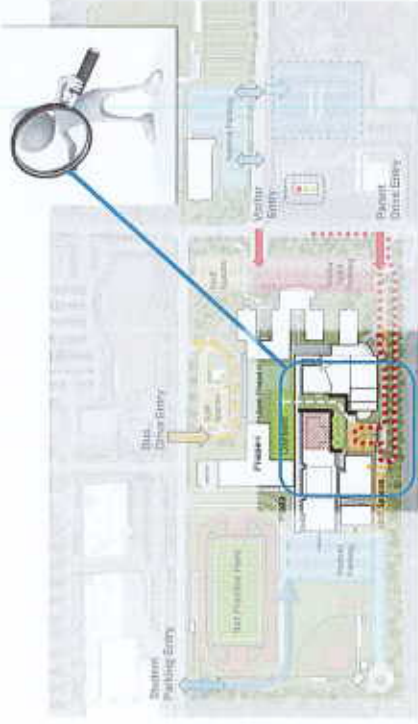
## SPECIAL EDUCATION and CTE

### Site Plan Elements

- New Canopy at Parent Drop-off
- Student path connected to Existing Covered Walkway + New Outdoor Courtyard
- Directly across from bus loop

### Floor Plan Elements

- Renovate old kitchen and dining
- Special Education (4 classrooms) + Support Spaces (ARC, Office, Storage)
- CTE: Engineering / Robotics (2 Lab/Clim + Shared Maker Space)



Special Ed & CTE (Renovate Old Cafeteria)

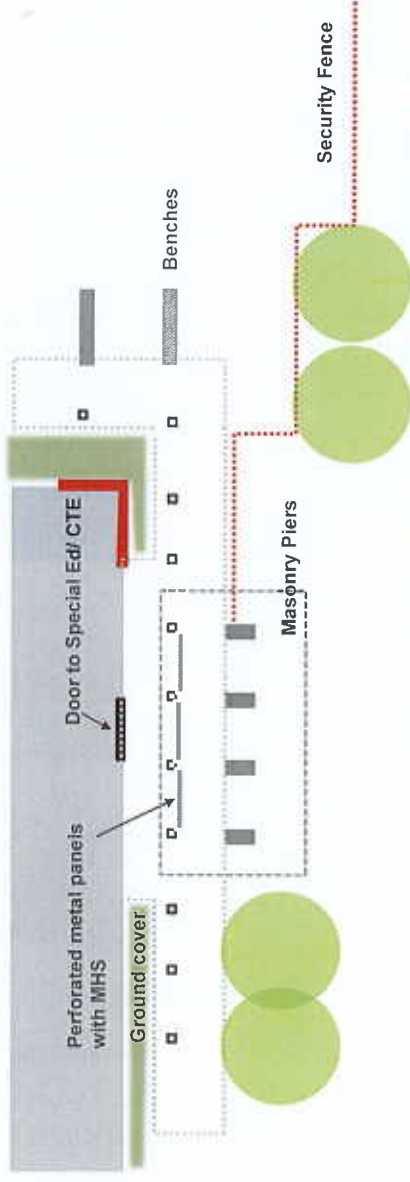


## Phase I - West Campus



Parent Drop-off (Student path to Courtyard)

# Phase I - West Campus



Parent Drop-off (Plan / Elevation)



## Phase I - West Campus



Parent Drop-off (Student path to Courtyard)



## Phase I - West Campus



Parent Drop-off (Courtyard)



## Phase I - West Campus



Student Plaza (New Building / Athletics)



## Phase I - West Campus



Student Plaza (New Building / Athletics)



# PAT Engagement: Seek Consensus



## Site Plan Objectives:

Focus on Access, Location and Campus Continuity



**Q: Does the Proposed SITE PLAN meet the objectives?**

SITE PLAN

**Agree**

**Disagree**

### 1. General Site Layout

(Building, Parking, Fields, Drives located in a manner that allows for easy access by public + logical flow for campus activities)

☐☐

### 2. Traffic Flow

(Provides logical paths and separations for drives and parking areas)

☐☐

### 3. School Approach / Sense of Arrival

(Provides a new parent drive and parking lot at the front of school, that preserves the existing mature trees on site)

☐☐

### 4. Outdoor Connections

(Integrates exterior spaces for both learning and community usages)

☐☐

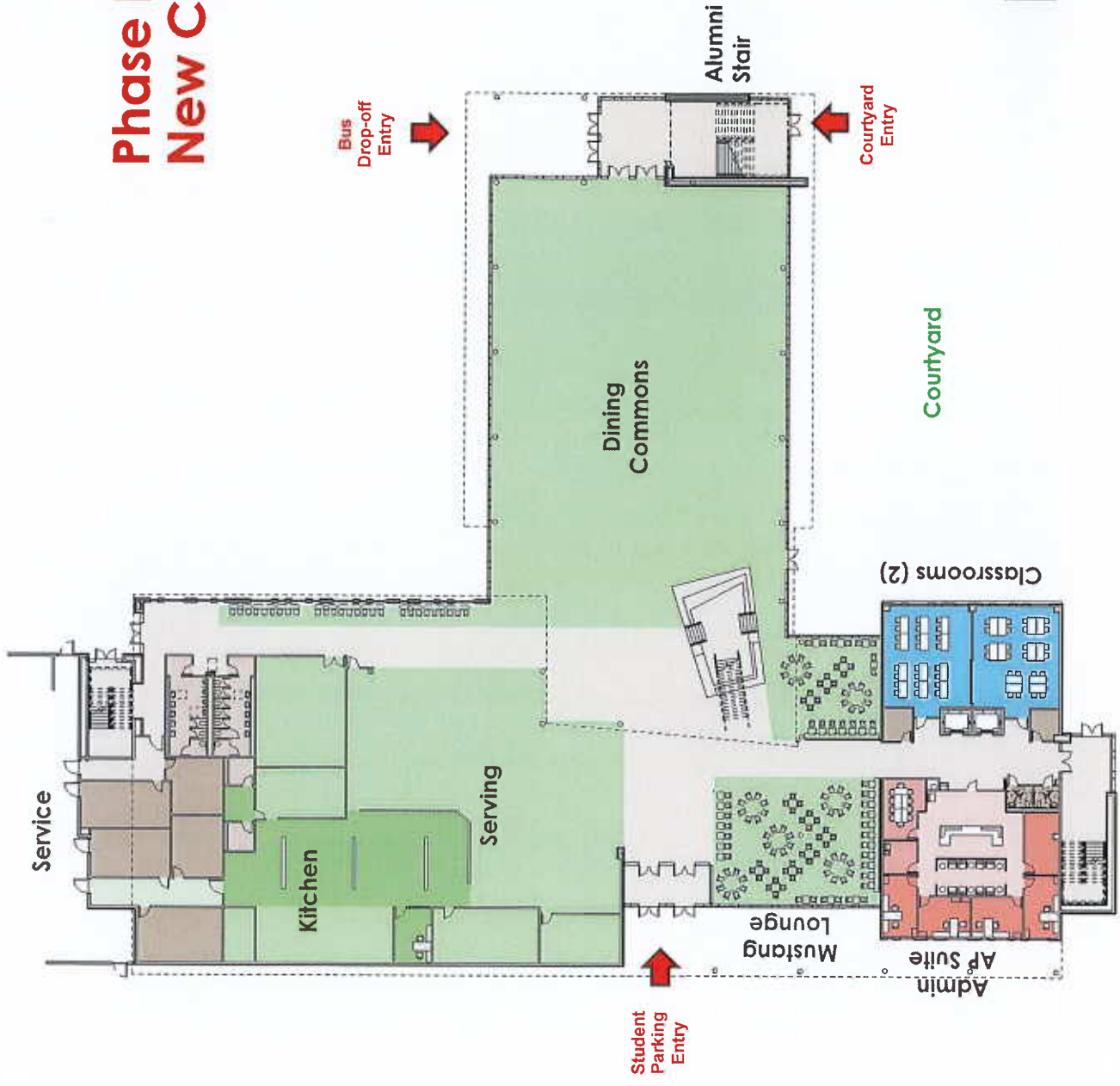
### 5. Construction Phasing

(Provides logical sequence for performing construction while minimizing impact to the occupied/active campus)

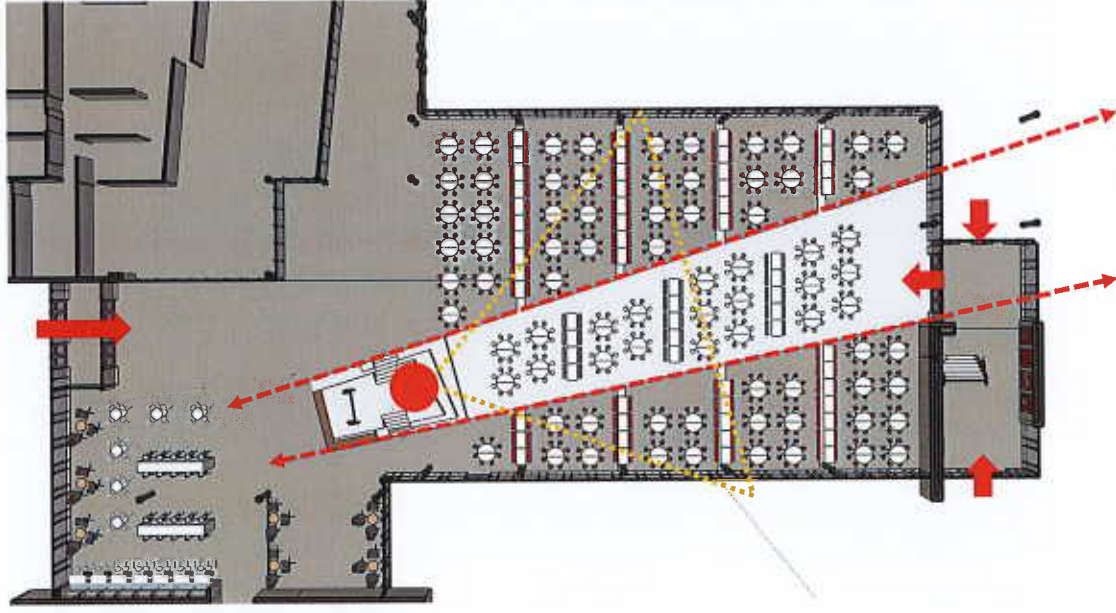
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# Phase I – West Campus New Construction

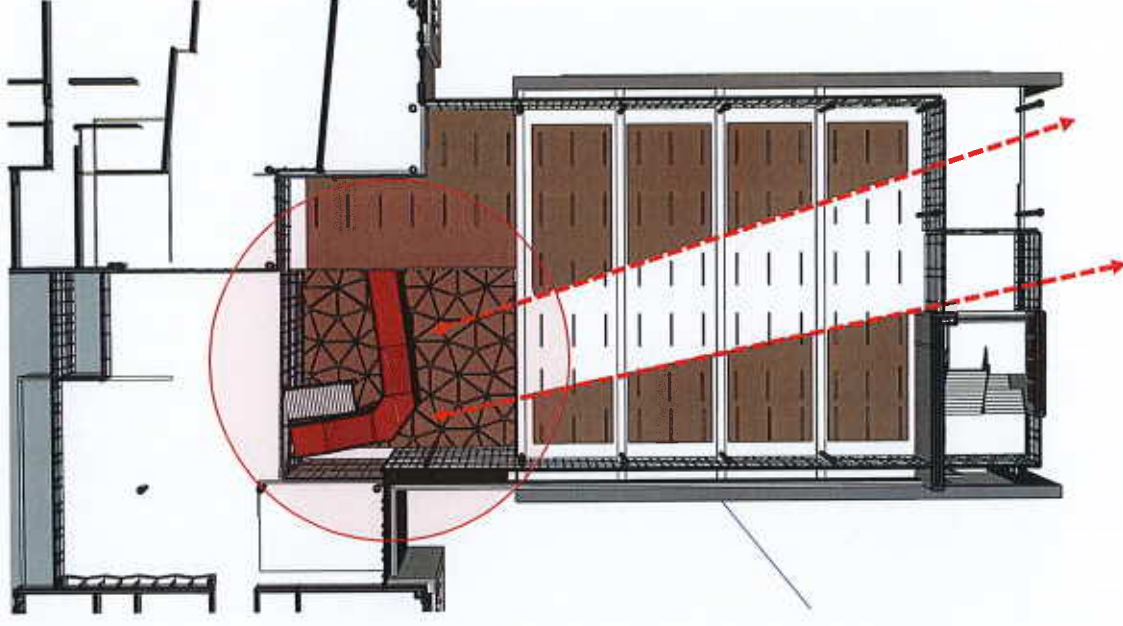
FLOOR 1







FLOOR PLAN



REFLECTED CEILING PLAN



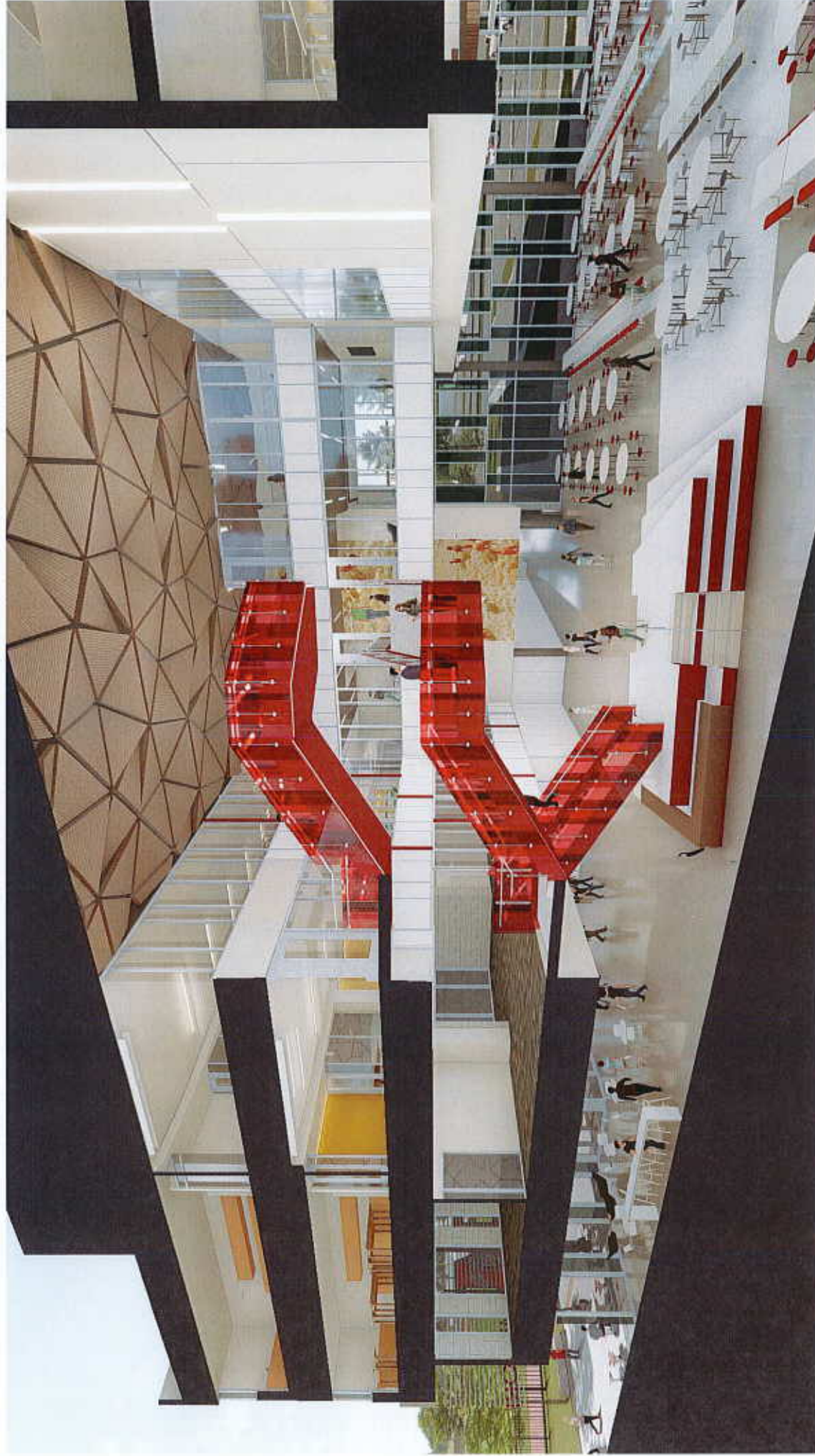
DINING COMMONS





DINING ATRIUM / FEATURE STAIR

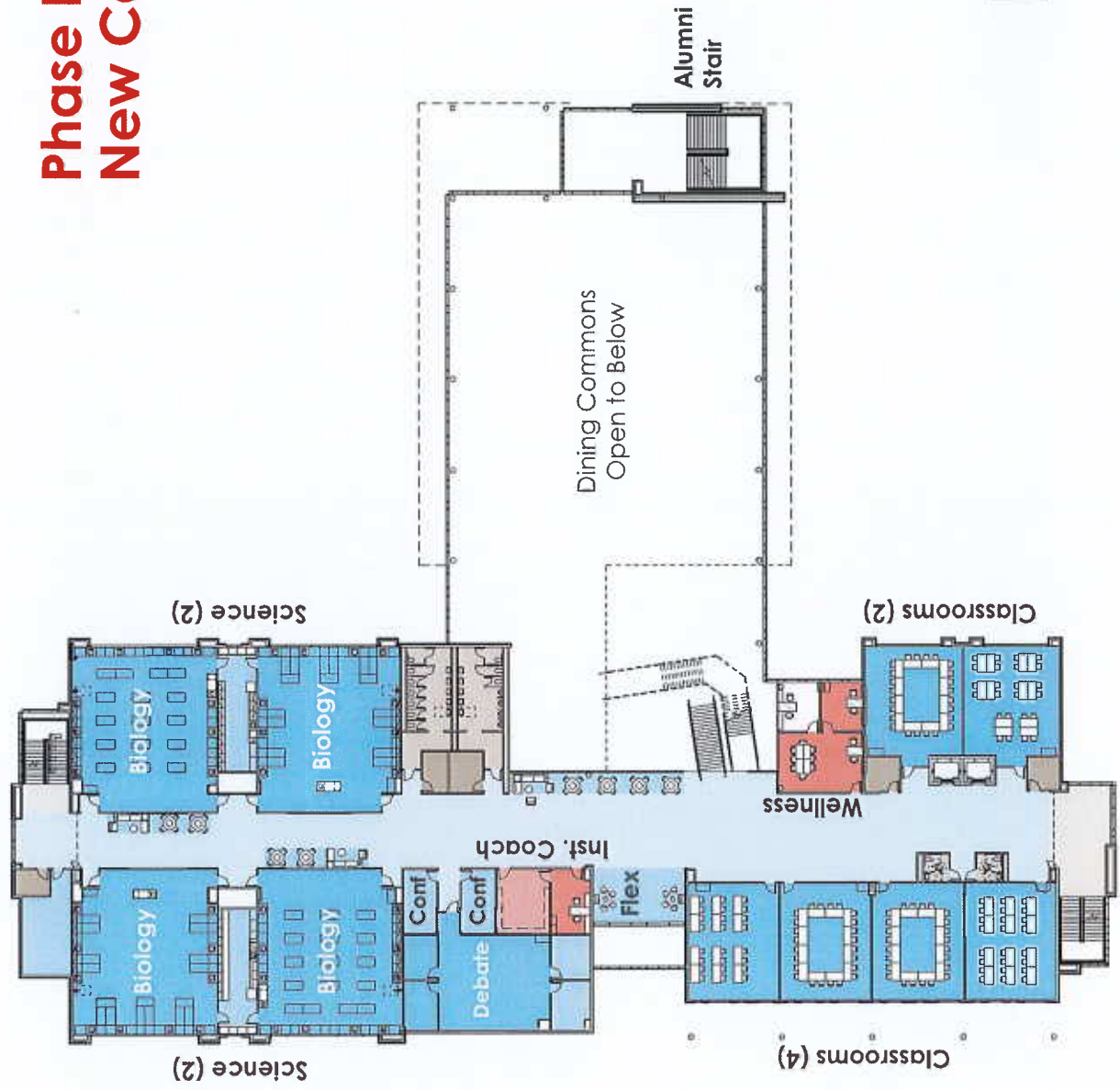




ATRIUM SECTION- FULL GLASS OPTION

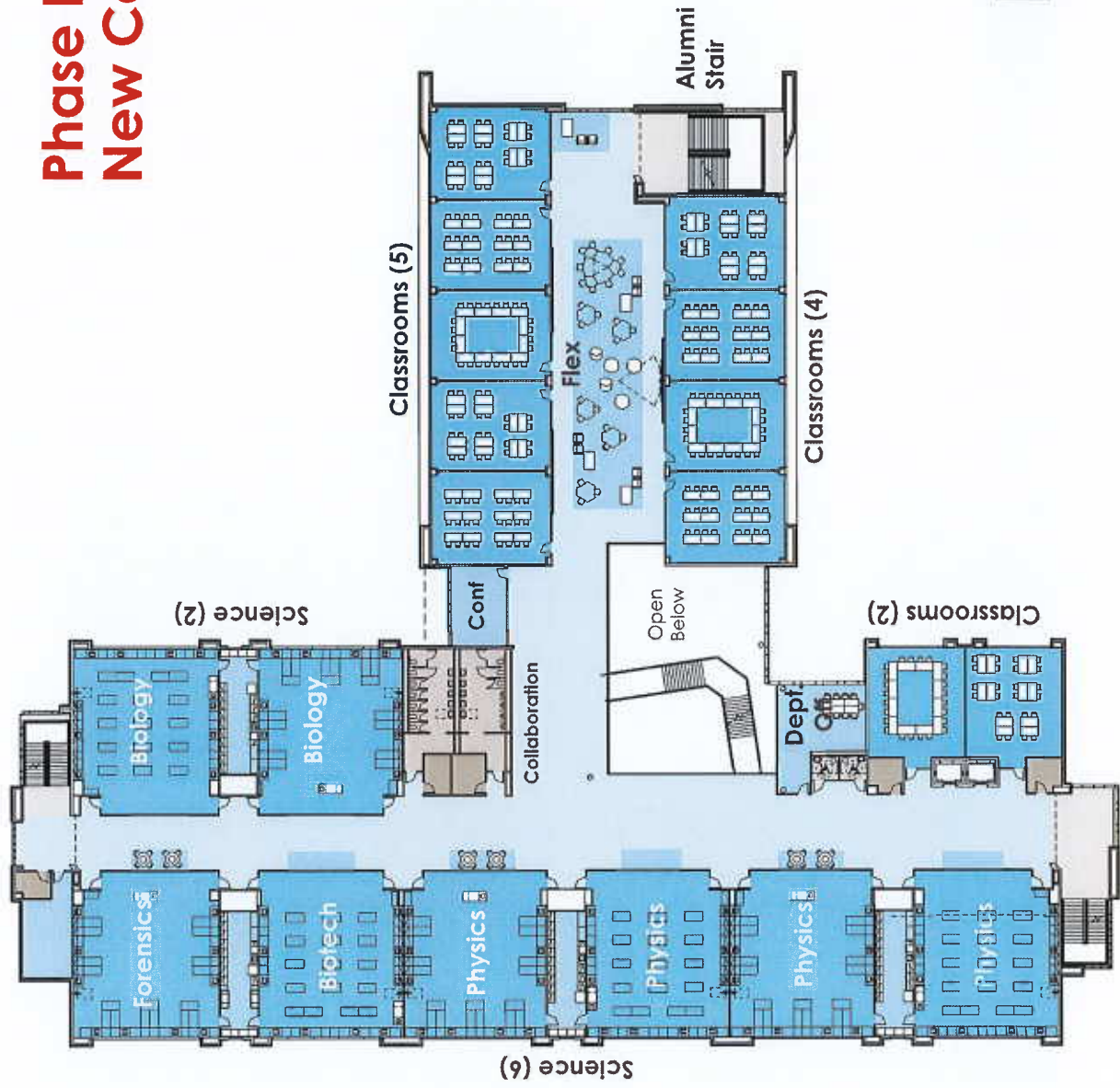


# Phase I – West Campus New Construction



FLOOR 2

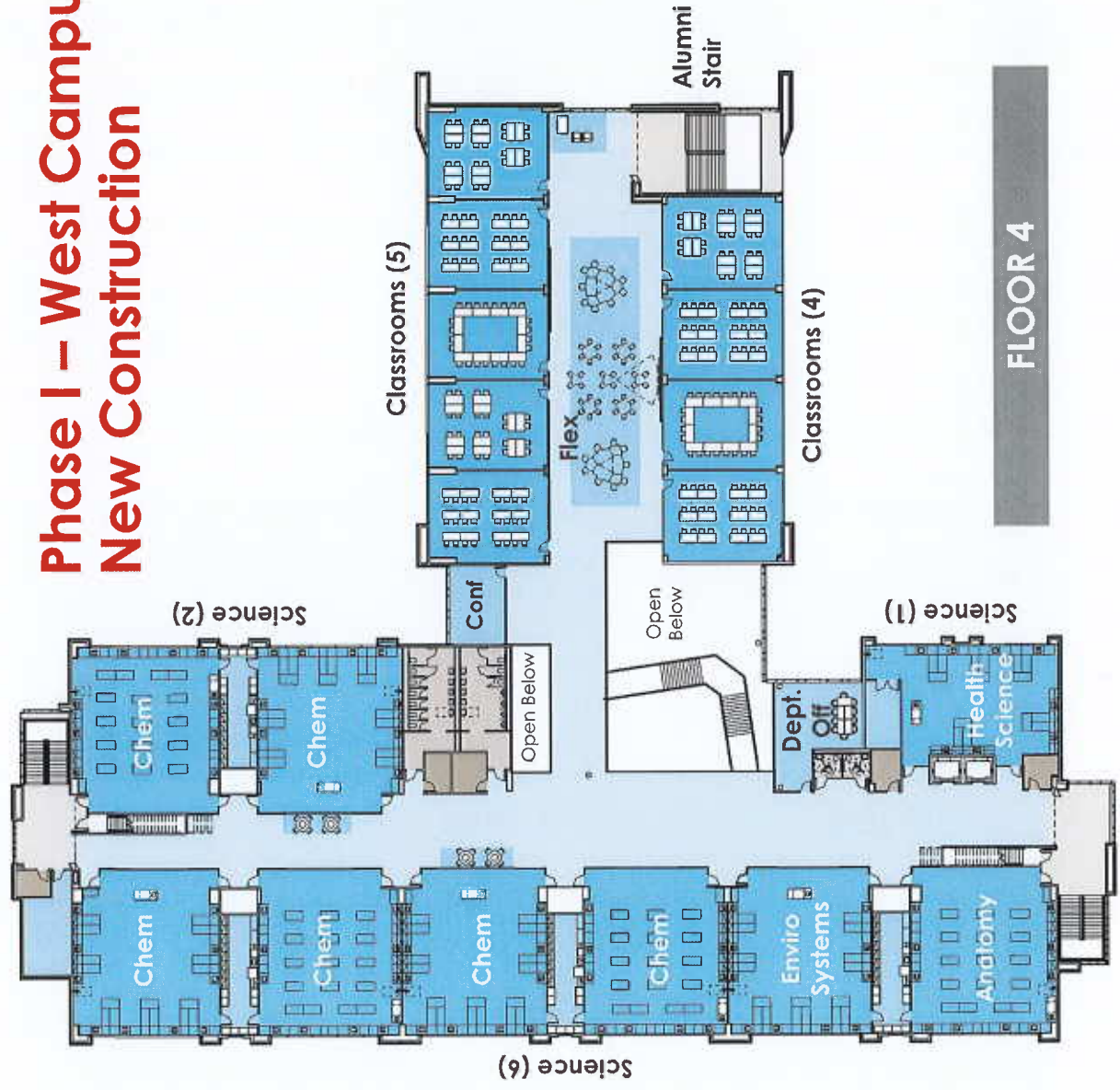
# Phase I – West Campus New Construction



FLOOR 3



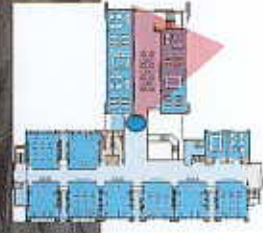
# Phase I – West Campus New Construction





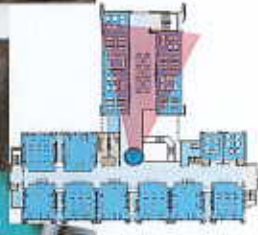
**3rd FLOOR COLLABORATION SPACE**





**CLASSROOM CORRIDOR / FLEX**



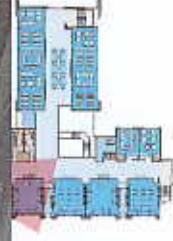


CLASSROOM FLEX AREA





**SCIENCE CORRIDOR / FLEX**



**SCIENCE CORRIDOR / FLEX**





ALUMNI STAIR



ALUMNI STAIR



## Focus on Organization, Adjacencies and Flexibility

## Q: Do the Proposed FLOOR PLANS meet the objectives?

Agree Disagree

- (Spaces are organized in a manner that provides proper adjacencies: Entry, Administration, Academic, Dining, & Courtyard)

- (Building is able to be separated in ways that allow after hours use)

1000

- (Planned to allow rooms and spaces to serve multiple functions/uses)

1000

- (Spaces are organized to allow for varieties of teaching methods:  
Lecture, Collaboration, Demonstration)

1000000

- (Provides flexibility and Choice for Group and Individualized work settings beyond the classroom)

□ □









MAIN APPROACH AT GAYLORD DRIVE





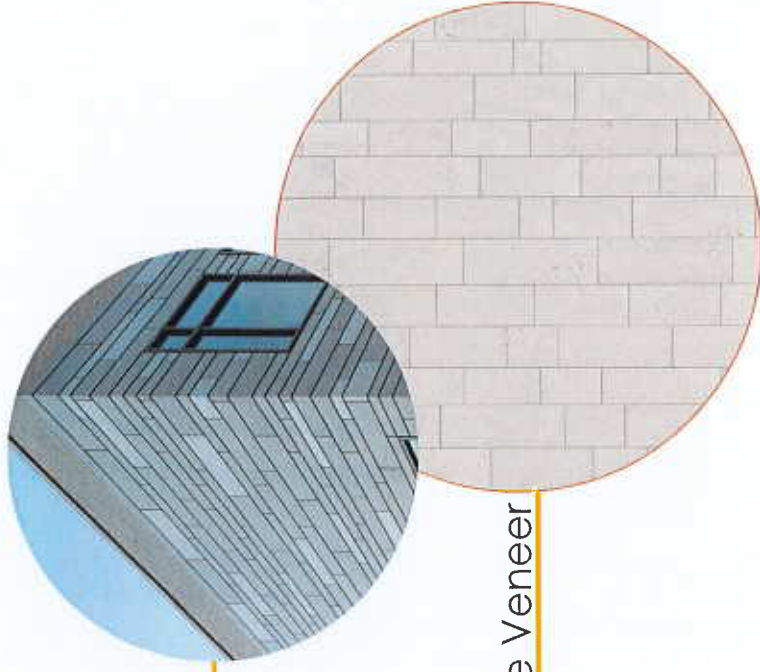
**BUS DROP-OFF AT GAYLORD DRIVE**



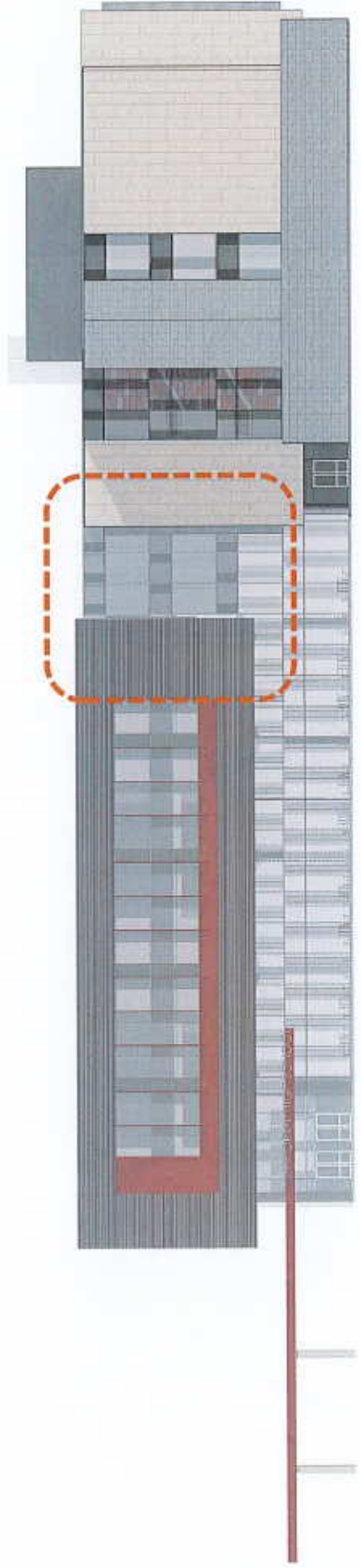


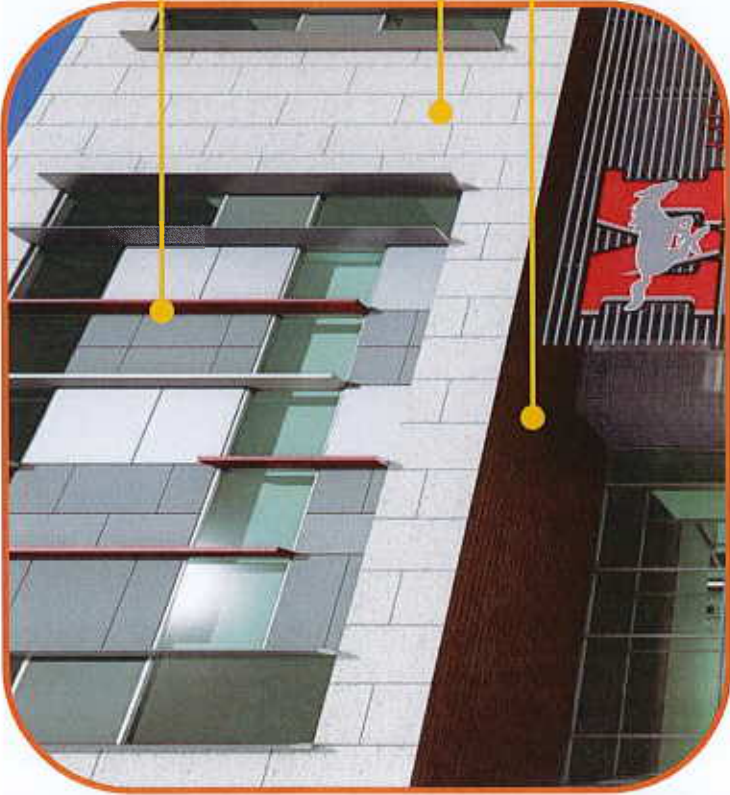
Metal Panel

Limestone Veneer



NORTH ELEVATION



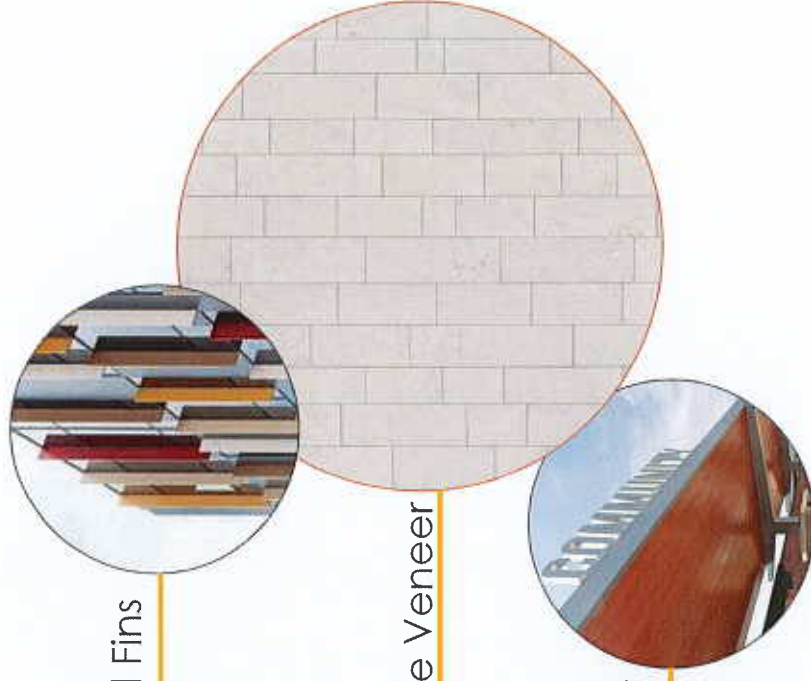


Metal Fins

Limestone Veneer

Wood Soffit

EAST ELEVATION







COURTYARD PERSPECTIVE (VIEW FROM LIBRARY)





**COURTYARD DINING (VIEW TO BUS DROP-OFF + LIBRARY)**





STUDENT PLAZA ENTRY





STUDENT PLAZA PERSPECTIVE





3D ANIMATION

# PAT Engagement: Seek Consensus



## Consensus

Agreement, harmony, concurrence, accord, unity, solidarity

**General agreement** – “a consensus of opinion among judges”

**At this time, as a member of the PAT, are you prepared to make a recommendation of Memorial High School Phase I through consensus to the SBISD Board of Trustees?**

PAT Member Name:

*Signature of PAT Member*



**I Support the recommendation**

...I Do NOT Support the Recommendation for the following Reason(s)

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**5 mins:**

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**75 mins:**

## **3. Closing Remarks**

**10 mins:**

Wrap-up / Next Steps