LEGATARCHITECTS

(RE)Thinking Security and Safety in the School Environment: Inviting to the Community and Safe for our Children

Medinah School District 11

Every Student. Every Day.

LearningSCAPES 2018

November 2, 2018

Agenda

1. Introductions

2. School Security Strategies

3. Workshop – Security Concerns

4. Case Studies

5. Design Workshop

6. Essential Planning Courses of Action

Medinah School District 11

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Medinah School District 11

Introductions

Dr. John Butts
Superintendent, Medinah SD 11

Jay Johnson
Principal, Legat Architects

Paul Timm
Vice President, Facility Engineering Assoc.

Robin Randall
Principal, Legat Architects

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Presenter Background

- Vice President, FEA
- Physical Security Professional (PSP)
- Published Author: <u>School Security</u>
- SCAT Member (NOVA)
- Assessments, Emergency Planning, Instruction, Expert Witness
- paul.timm@feapc.com

Facebook: safeschools1

Twitter: @schoolsecurity

LinkedIn: paultimmpsp

Top Concerns

- Emergency Preparedness
  - ✓ Active Shooter
  - ✓ Severe Weather

- Access Control

- Enhanced Communications
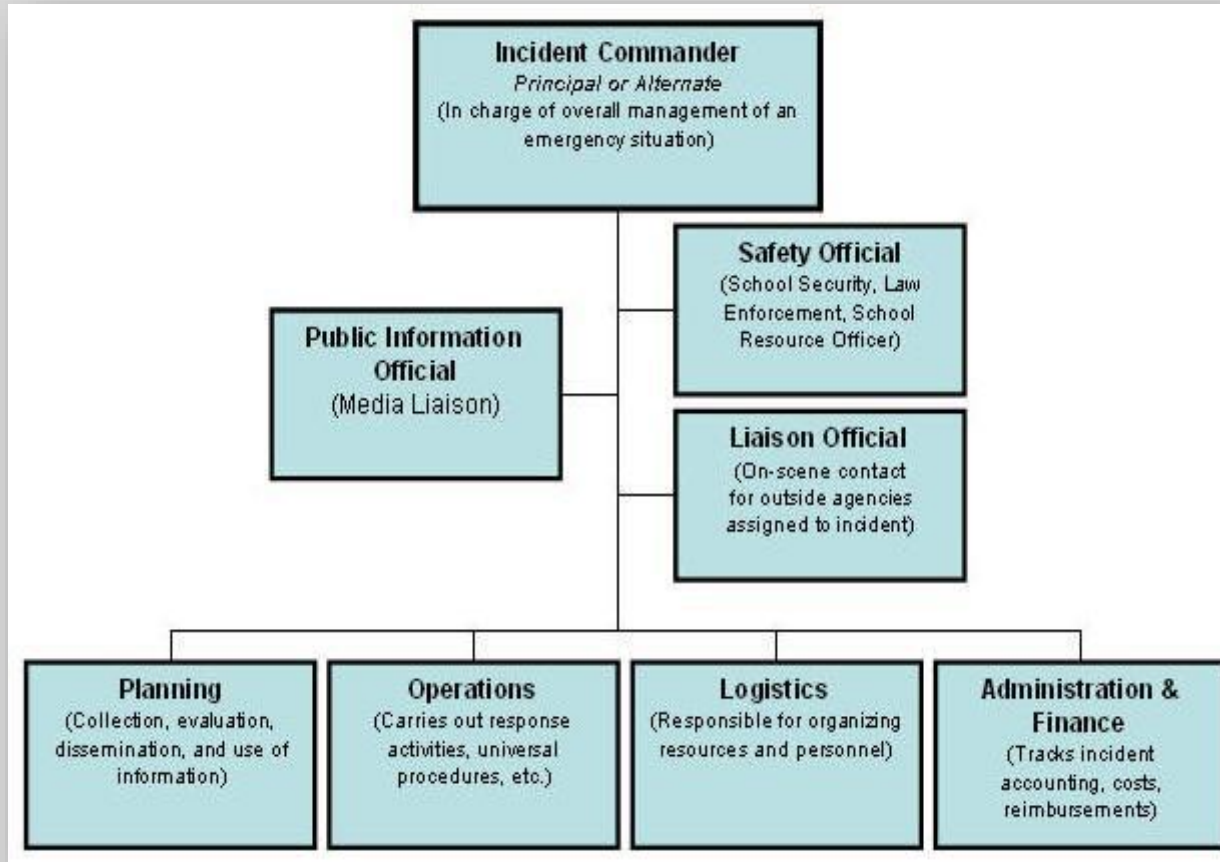
- Video Surveillance

Key #1 - Collaboration

- Top-Down Commitment
  - ✓ Example
  - ✓ Documentation
  - ✓ NIMS
- Accountability
  - ✓ Performance Evaluation
  - ✓ Practices
- Mass Notification

FEA FACILITY ENGINEERING ASSOCIATES

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DESIGN | PERFORMANCE | SUSTAINABILITY

Developing ICS

Staff Skills Survey & Inventory

Name & School _____/_____
Name   School   Room #

Please indicate the areas that apply to you.

PLEASE CHECK ANY OF THE FOLLOWING IN WHICH YOU HAVE EXPERTISE & TRAINING.
CIRCLE YES OR NO WHERE APPROPRIATE.

__First Aid (current card yes/no)   __ CPR (current yes/no) __ Triage
__ Firefighting   __ Construction (electrical, plumbing, carpentry, etc.)
__Running/Jogging/Physical Fitness   __ Emergency Planning
__ Emergency Management   __ Search & Rescue
__ Law Enforcement   __Bi/Multi-lingual (what language (s)) _____
__ Mechanical Ability   __ Structural Engineering
__ Bus/Truck Driver (CDL yes/no)   __ Shelter Management
__ Survival Training & Techniques   __ Food Preparation
__ Military Experience (current) (reserves/national guard yes/no)
__ CB/Ham Radio Operator   __Journalism   __ Camping
__ Waste Disposal   __ Recreational Leader

DO YOU KEEP A PERSONAL EMERGENCY KIT? _____ In your car?
_____ In your room? _____

DO YOU HAVE MATERIALS IN YOUR ROOM THAT WOULD BE OF USE DURING AN EMERGENCY?
(i.e., athletic bibs, traffic cones, carpet squares, first aid kit, tarps, floor mats, etc.)
_____ Yes _____ No

DO YOU HAVE EQUIPMENT OR ACCESS TO EQUIPMENT OR MATERIALS AT YOUR SCHOOL SITE THAT COULD BE USED AN IN EMERGENCY?
_____ YES _____ NO
PLEASE LIST EQUIPMENT AND MATERIALS:
_____

Key #1 - Awareness

- Culture
  - ✓ Briefings
  - ✓ Positive Incentives
- Teacher / Staff Development
  - ✓ Security Education
- Prior Knowledge
  - ✓ "See Something, Say Something"

Awareness Training

- Staff, Students, Parents
- Outside Organizations
- Community

Key #3 - Involvement

- Youth & Early Adopters
  - ✓ Relationship

- Safety Initiatives
  - ✓ Instruction
  - ✓ Technology & Social Media
  - ✓ Surveys
  - ✓ Incentives

Access Control

- **Visitor Management**
  - ✓ Software
- **Electronic Access**
  - ✓ NFC / Bluetooth
- **Controlled Vestibule**
  - ✓ Laminated Glass

Classroom Security

- NFPA Codes

- ADA Standards

- Security Concerns

Communications

- Labeled Telephones
  - ✓ "All Call"
- Intercoms
- Public Address
- Two-Way Radios
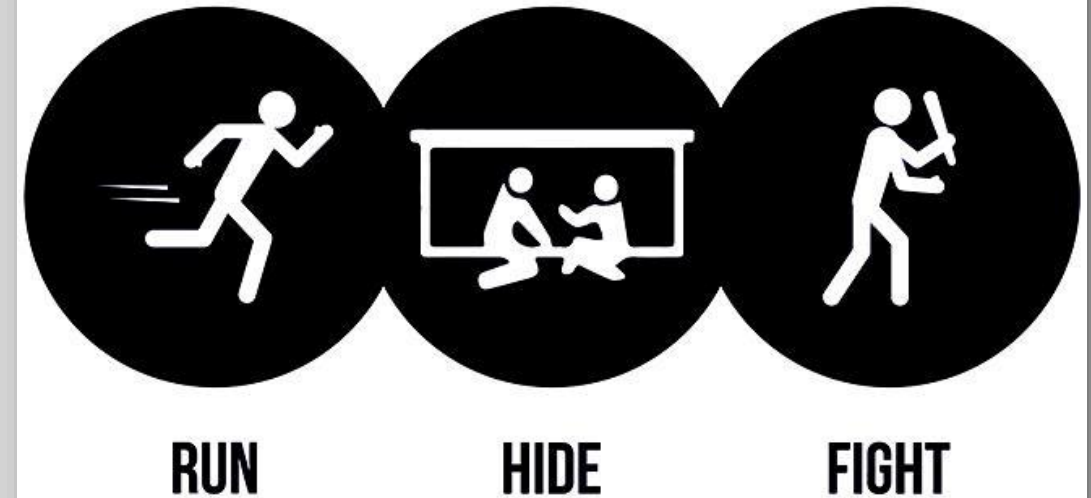- Cellular Phones
- Social Media

Emergency Preparedness

- Bomb Threats & Suspicious Mail
- Crisis Flipcharts/Apps
- Emergency Supplies
- Drills & Exercises
- Mass Notification

Active Assailant Procedures

- Lockdown
  - ✓ "Plus Options"

- Run, Hide, Fight

- Today's Strategy:
  - ✓ Empower
  - ✓ Assess

RUN   HIDE   FIGHT

Security Resources

- STOP School Violence Act of 2018

- dhs.gov/what-to-do-bomb-threat

- dhs.gov/active-shooter-preparedness

- youtube.com/watch?v=Xs5x7SBx3eQ

- youtube.com/watch?v=5VcSwejU2D0

- https://cops.usdoj.gov/default.asp?Item=65

- https://rems.ed.gov/docs/REMS_K-12_Guide_508.pdf

- about.usps.com/securing-the-mail/suspiciousmail.htm

- https://training.fema.gov/is/courseoverview.aspx?code=IS-100.c

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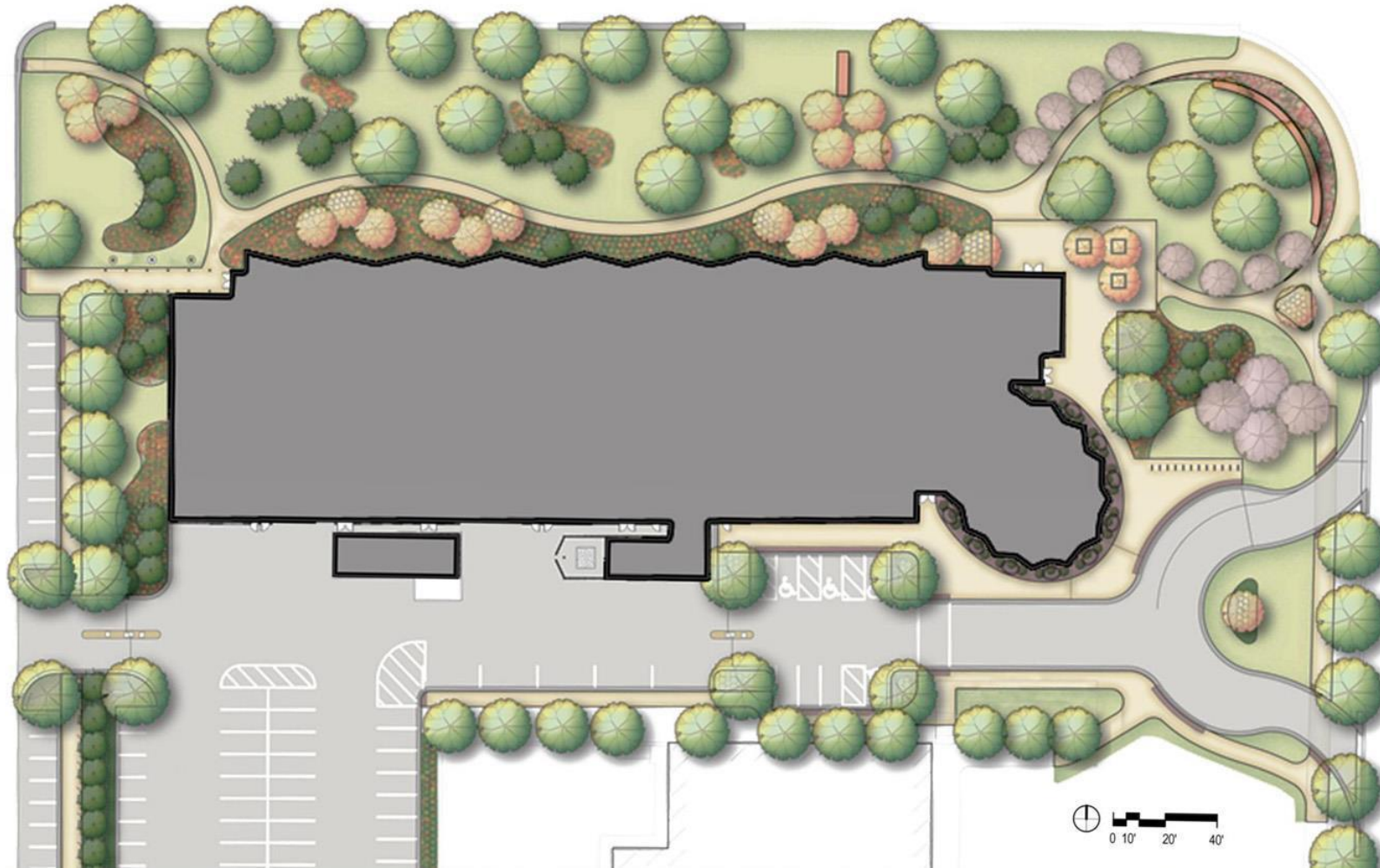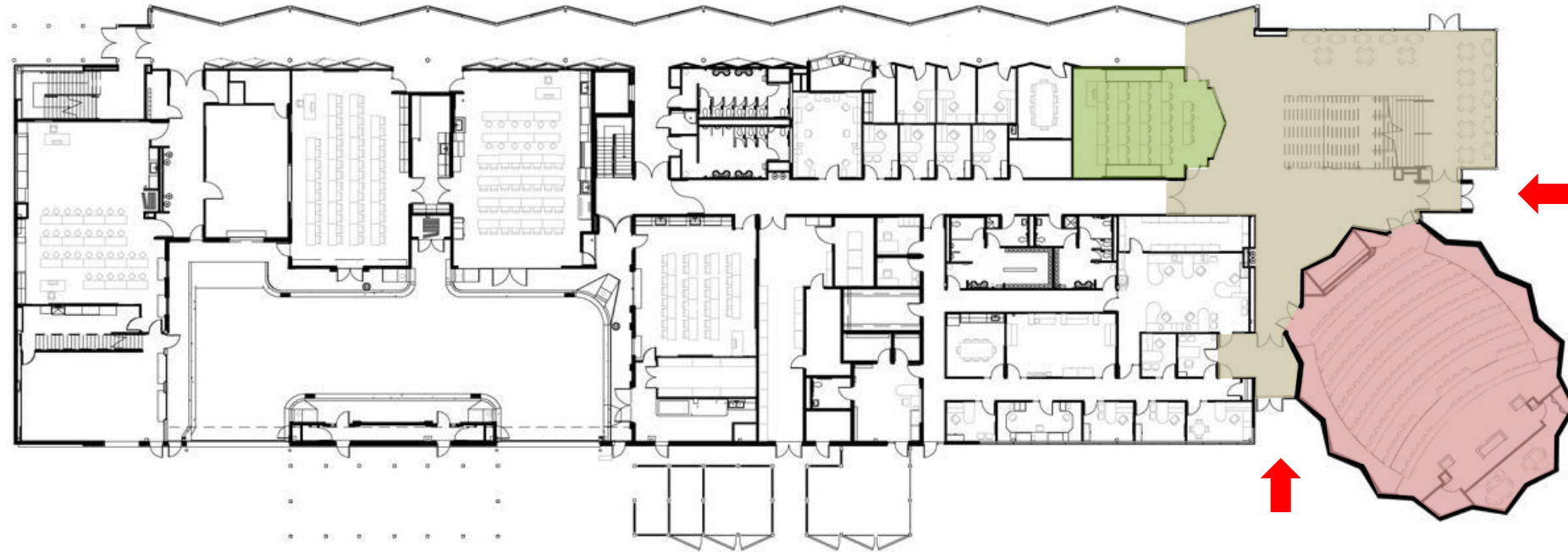# Homeland Security Education Center (HEC)

Medinah School District 11

Homeland Security Education Center (HEC)

Medinah School District 11

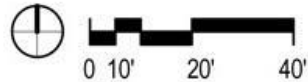# Homeland Security Education Center (HEC)

Medinah School District 11

HEC: Mock Courtroom / Lecture Hall

HEC: First Floor Plan

FIRST FLOOR PLAN

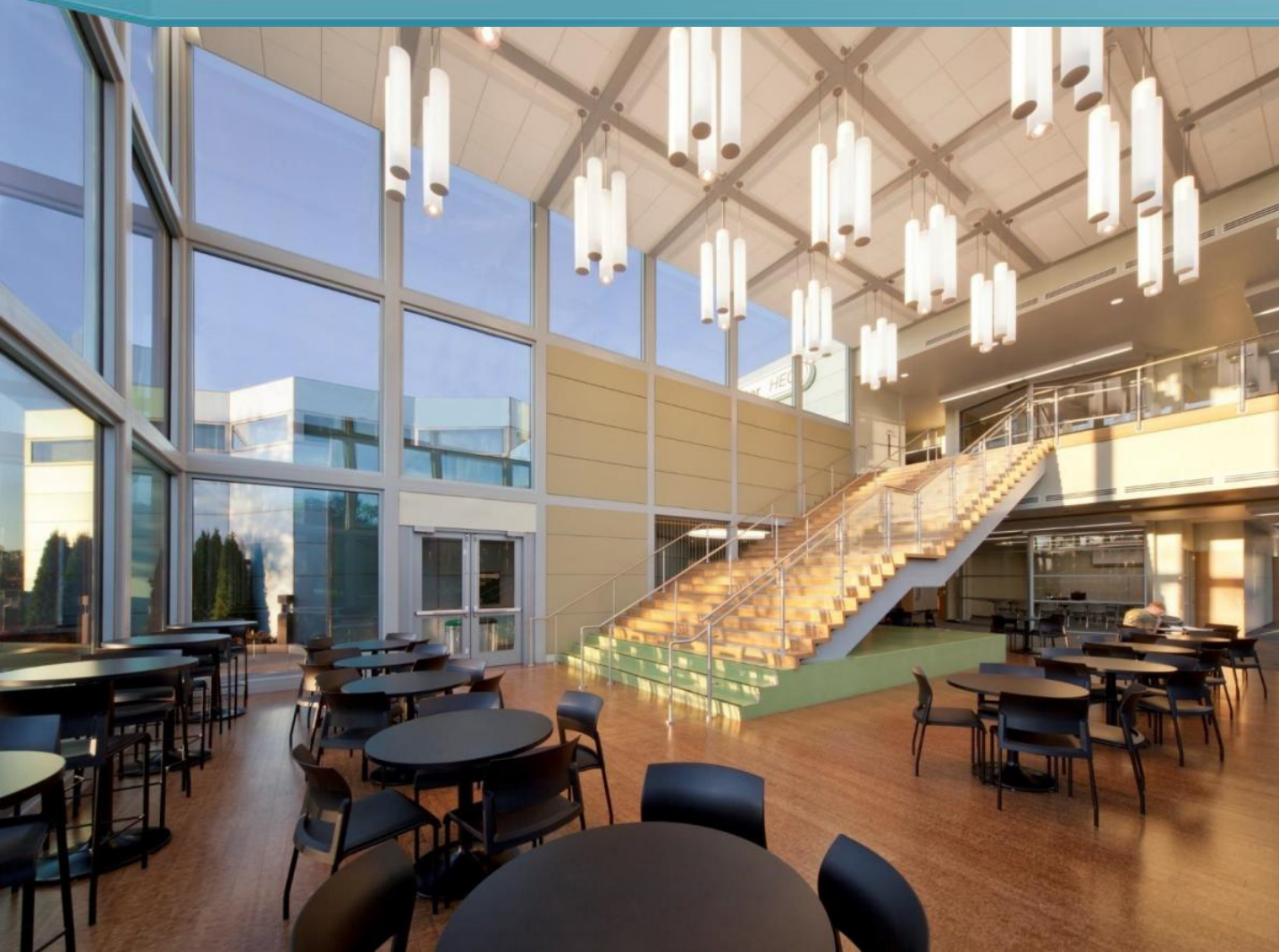0 10'   20'   40'

Mock Courtroom / Auditorium

Criminal Justice Lab

Lobby & Events

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DESIGN | PERFORMANCE | SUSTAINABILITY

HEC: Mock Courtroom / Auditorium

Medinah School District 11

FIRST FLOOR PLAN

0 10' 20' 40'
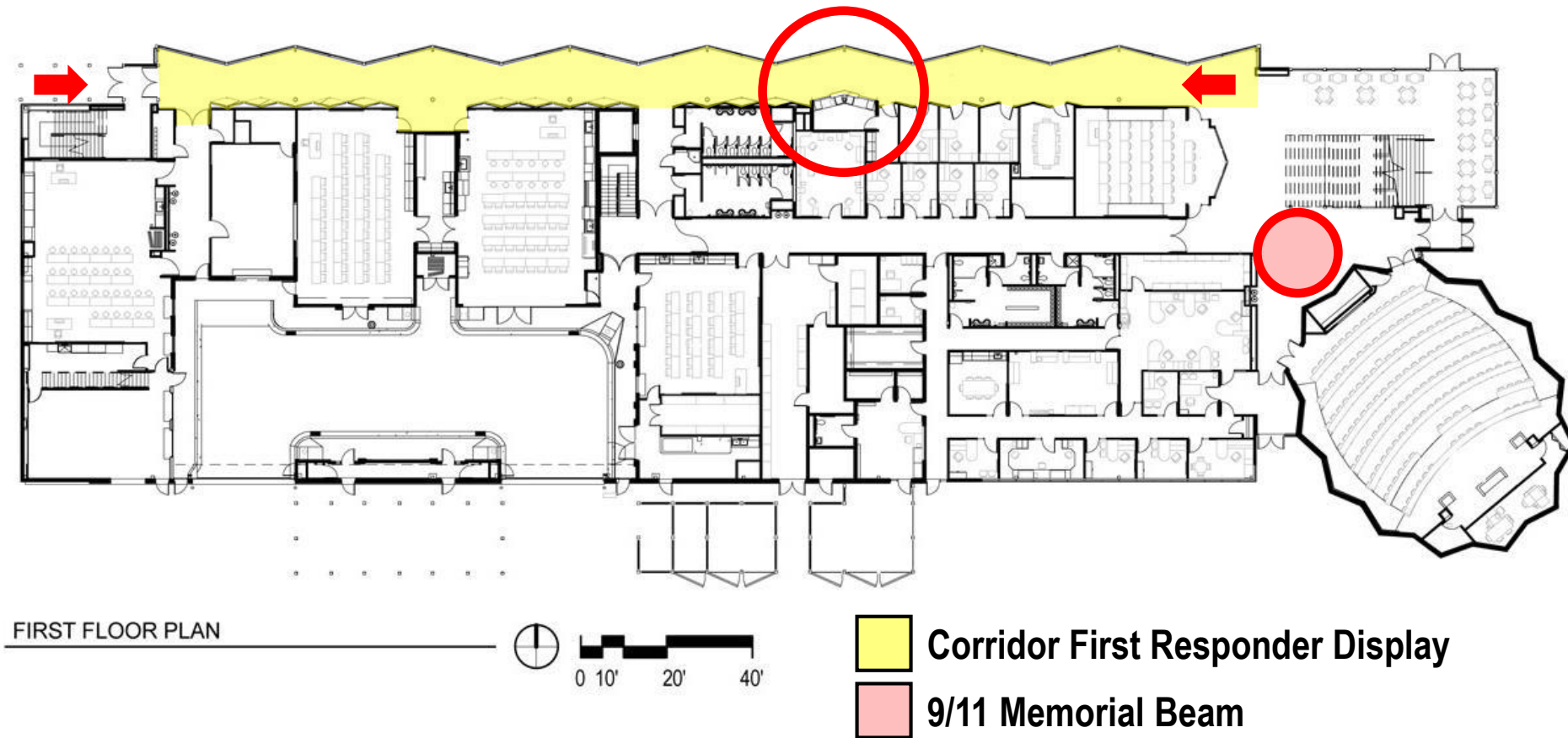
Corridor First Responder Display

9/11 Memorial Beam

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FIRST FLOOR PLAN

0 10' 20' 40'

Interior Immersive Street Lab

Exterior Training Tower

Medinah School District 11
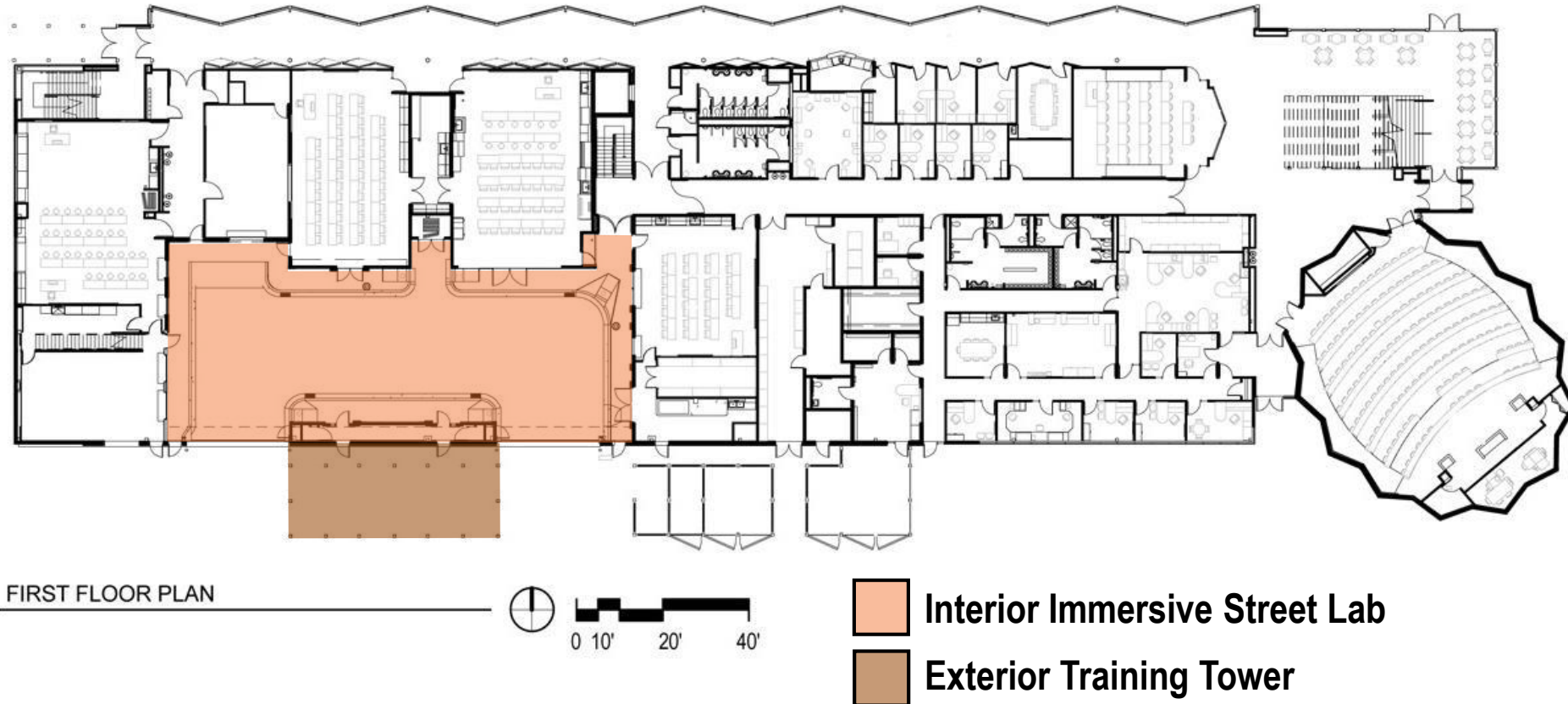
HEC: Interior Immersive Street Lab

HEC: Exterior Training Tower

HEC: Second Floor Plan

SECOND FLOOR PLAN

0 10'   20'   40'

Forensic Lab

Police Recruit Lab

National Incident Management System (N.I.M.S. Lab / Command Center

Reconfigurable Smoke Maze

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DESIGN | PERFORMANCE | SUSTAINABILITY
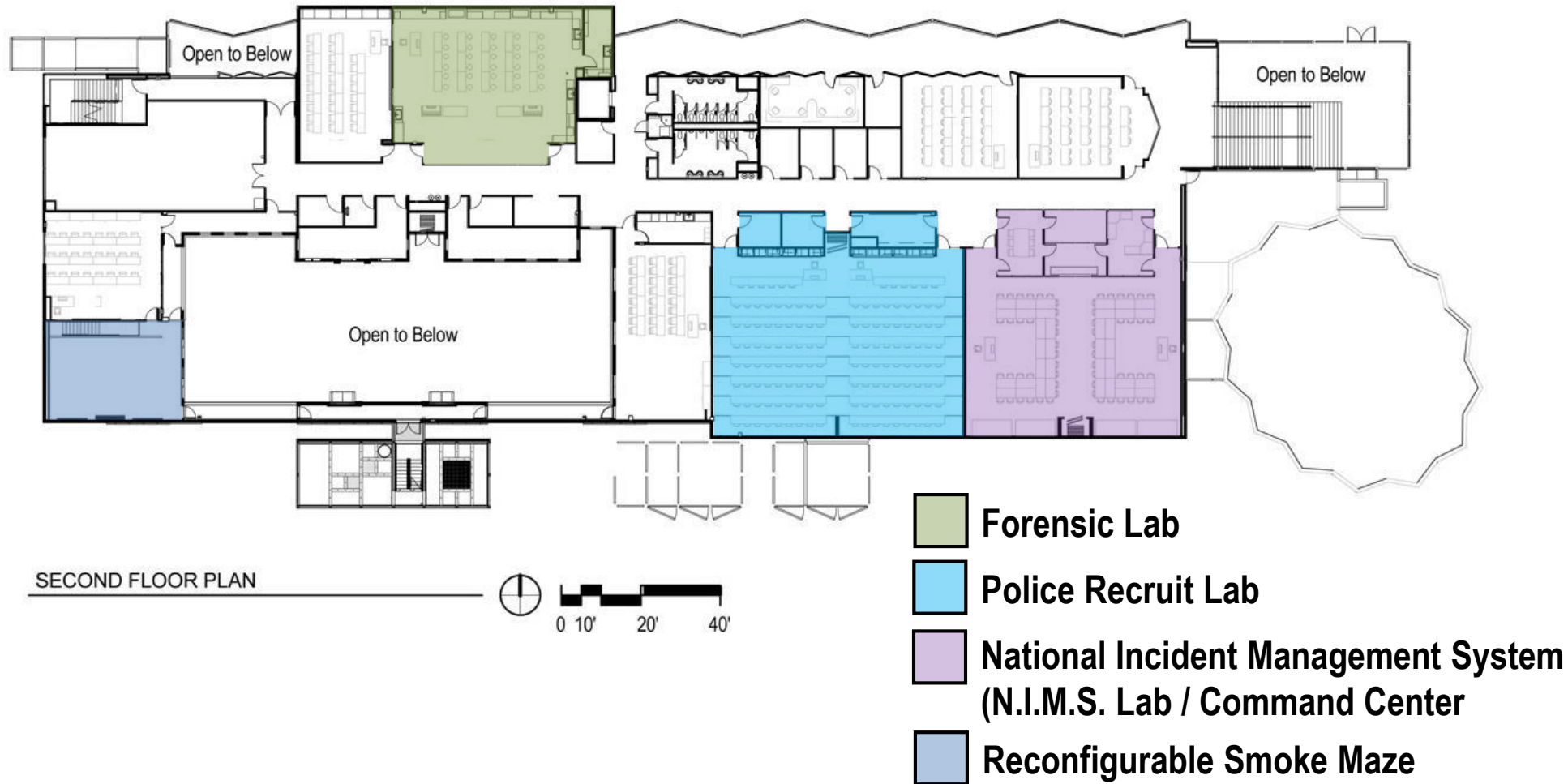
HEC: Police Recruit Lab

HEC: Forensic Lab

HEC: N.I.M.S. / Command Center

HEC: Reconfigurable Smoke Maze

Homeland Security Training Center (HTC)

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Homeland Security Training Center (HTC)

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HTC: First Floor Plan

Range Preparation

Tactical Firing Range

Virtual Simulator

911 Call Center

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- Gun Cleaning Education

- Safety Protocol

- Training / Debriefing Room

- View Through Control Room to Range

Virtual Simulator

- 300-degree Immersive Training Environment

- Multiple, Altering Scenarios
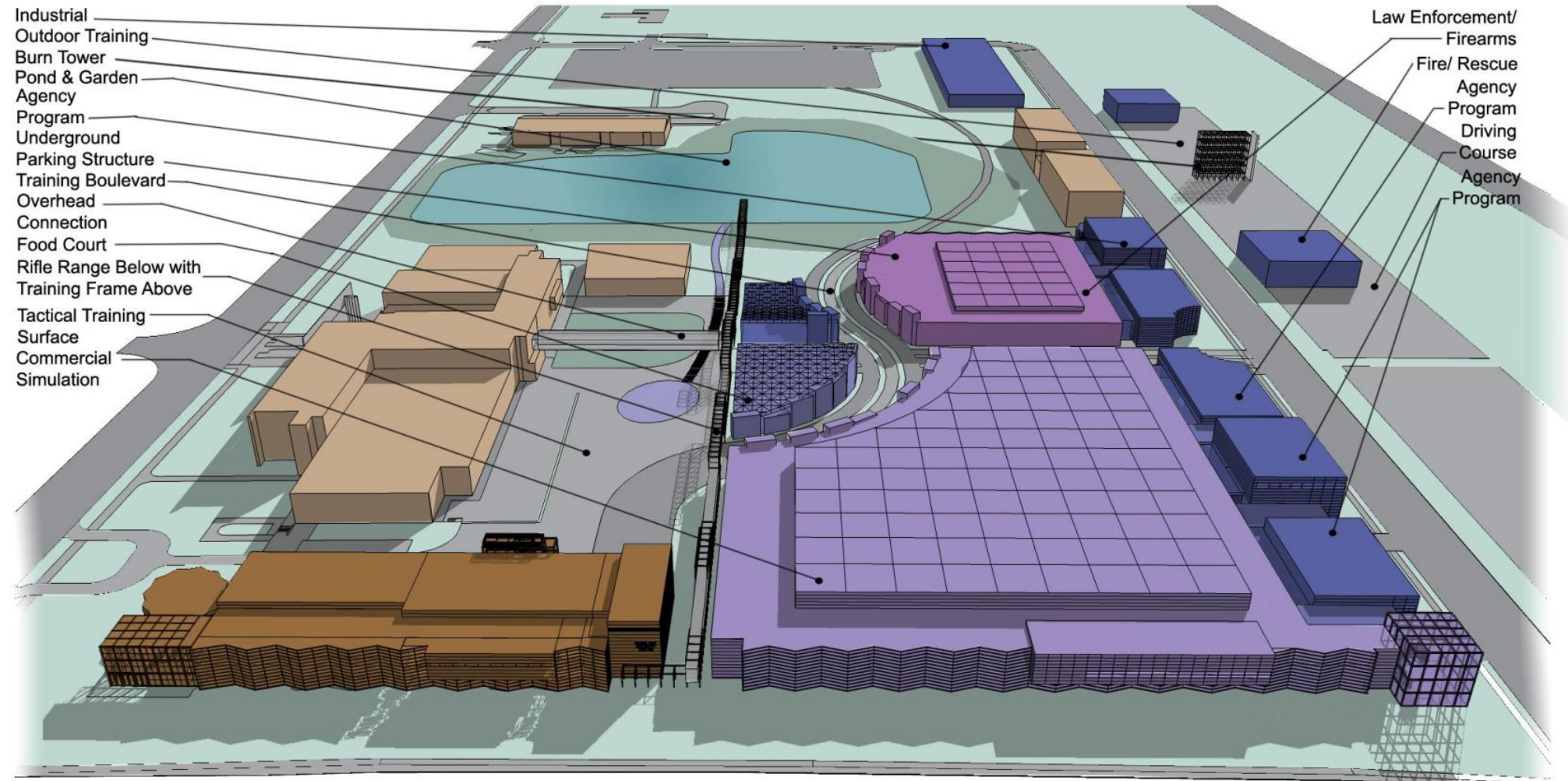
- Translates into Real World Survival Skills
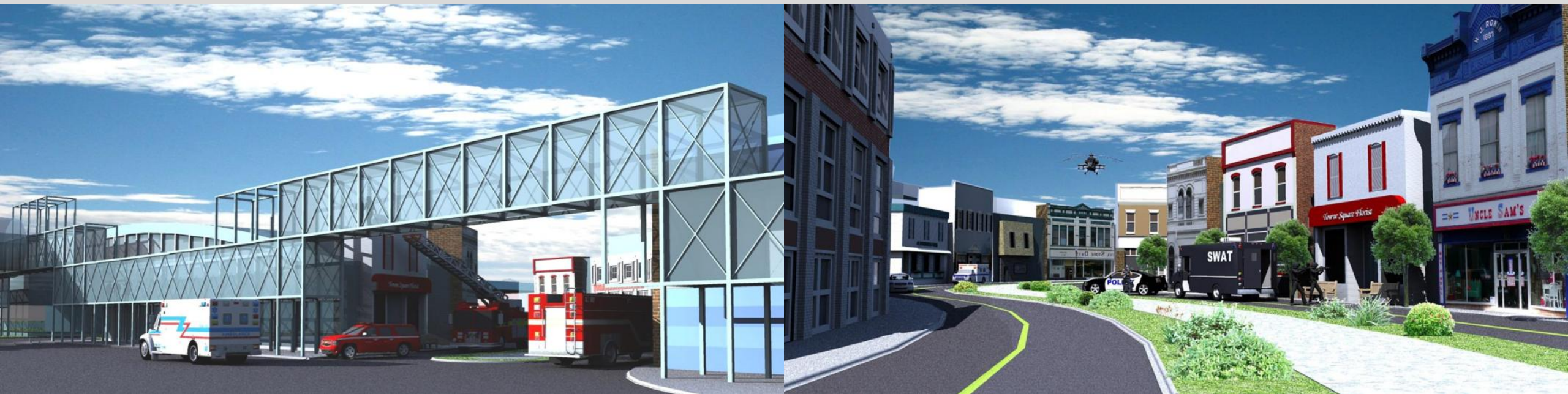
HTC '911' Dispatcher Training

- "Conductor" of First Responders

- Gatherer of Relevant Information

- Assigns Priorities to Specific Emergencies

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Industrial
Outdoor Training
Burn Tower
Pond & Garden
Agency Program
Underground Parking Structure
Training Boulevard
Overhead Connection
Food Court
Rifle Range Below with Training Frame Above
Tactical Training Surface Commercial Simulation

Law Enforcement/ Firearms
Fire/ Rescue
Agency Program
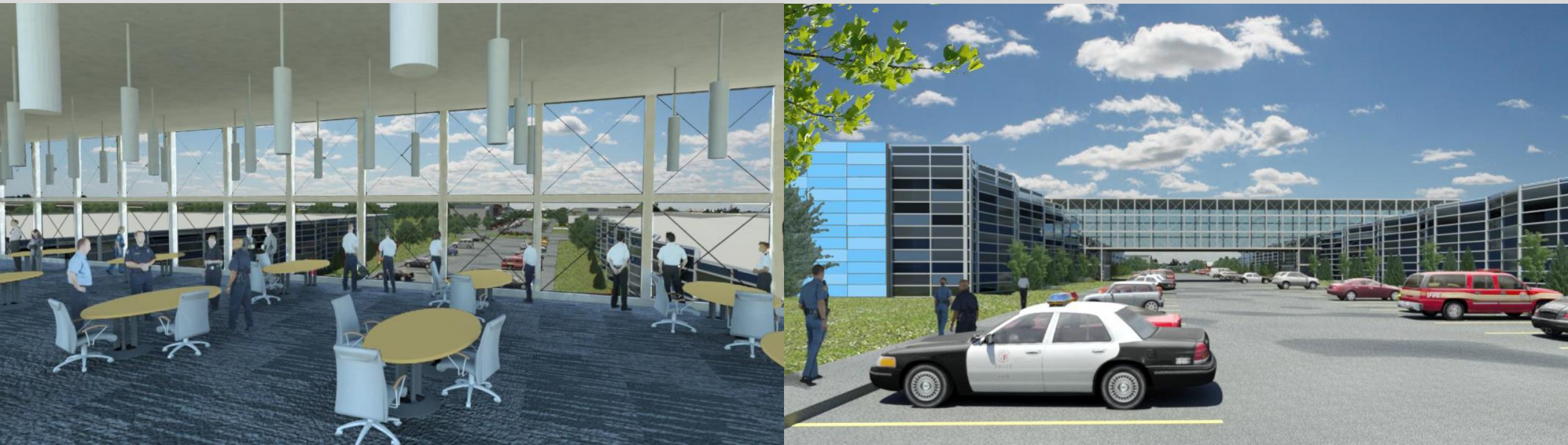Driving Course
Agency Program

Exterior Tactical Village Master Plan

Exterior Tactical Village Master Plan

1 COMMERCIAL
2 TACTICAL VILLAGE
3 RESIDENTIAL
4 SCHOOL HOUSE
5 HELIPAD
6 FUTURE EXPANSION
7 25 YARD RANGE
8 50 YARD RANGE
9 150 YARD RANGE
10 ADVANCED DRIVING COURSE
11 DRIVING COURSE AND SKID PAD
12 WATER RESCUE
13 RAIL SPUR
14 AIRPLANE CRASH SITE
15 ELEVATED TRACK
16 BURN TOWER
17 BURN HOUSE
18 SHORING AND TRENCHING
19 VEHICLE CRASH SCENARIOS
20 RUBBLE PILES
21 MAIN ENTRANCE
22 HAZARDOUS MATERIALS

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DESIGN | PERFORMANCE | SUSTAINABILITY

Exterior Tactical Village Master Plan

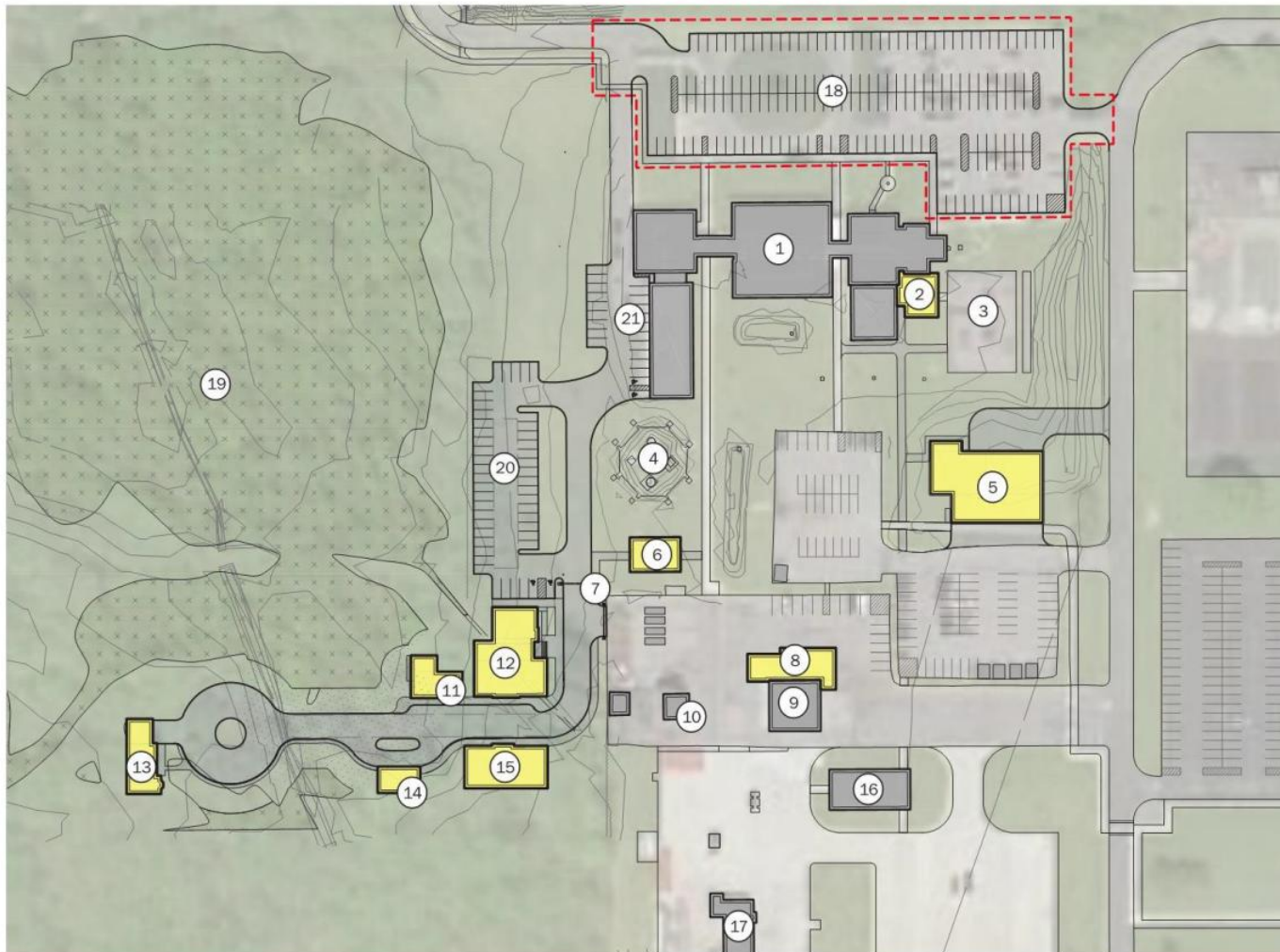Medinah School District 11

Exterior Tactical Village Master Plan

Medinah School District 11

Exterior Tactical Village Master Plan

Cuyahoga Community College – Phase II

1 Public Safety Training Center (Crile)
2 Fitness Expansion
3 Obstacle Course
4 Confined Space Training Prop
5 Vehicle Storage Building
6 Pavilion
7 Gates
8 Fire House Expansion
9 Fire House
10 Fire Tower
11 Commercial Building #1
12 Training Center
13 Residence Building
14 Canopy Building
15 Commercial Building #2
16 Existing Pavilion
17 Burn Building
18 Future Parking Expansion
19 Wetlands
20 Training Center Parking
21 Firing Range Parking

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Cuyahoga Community College – Phase II

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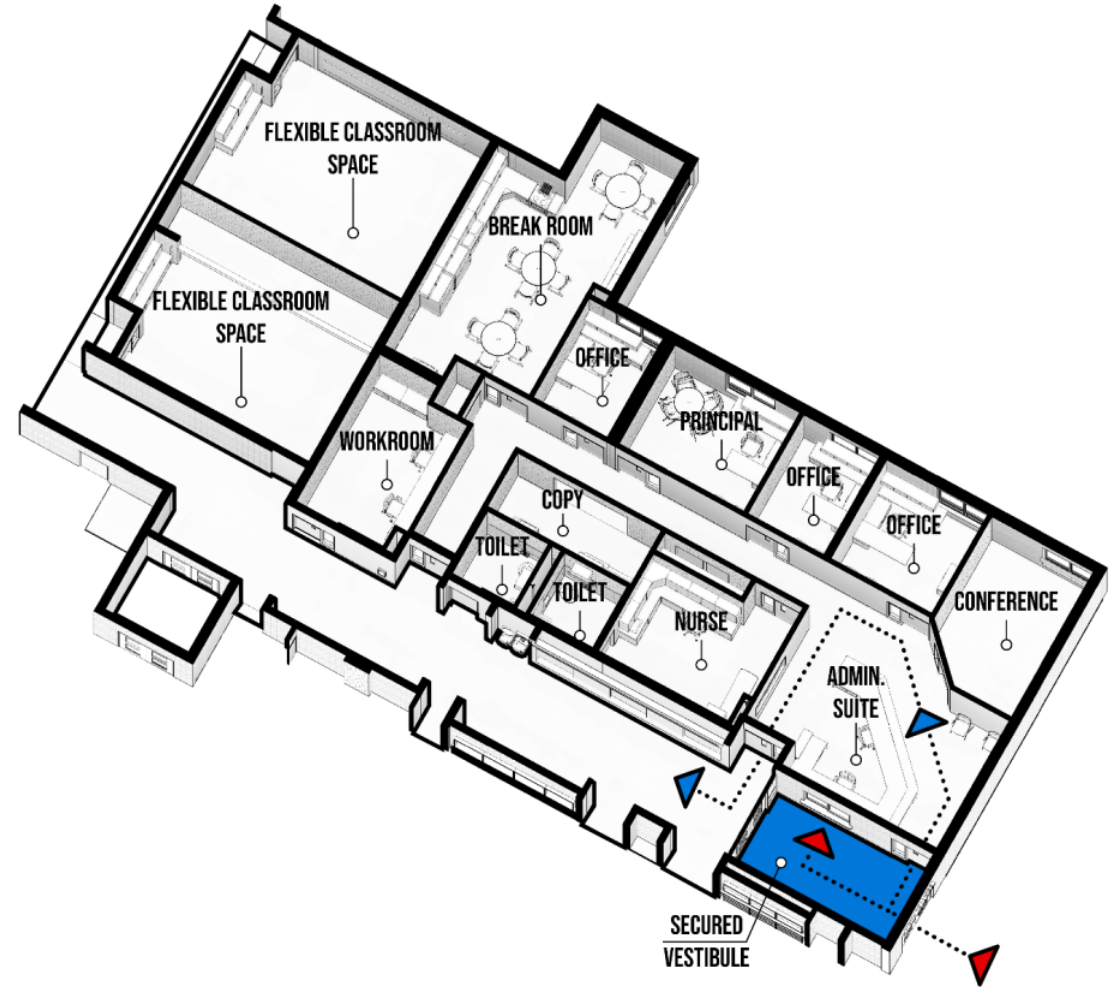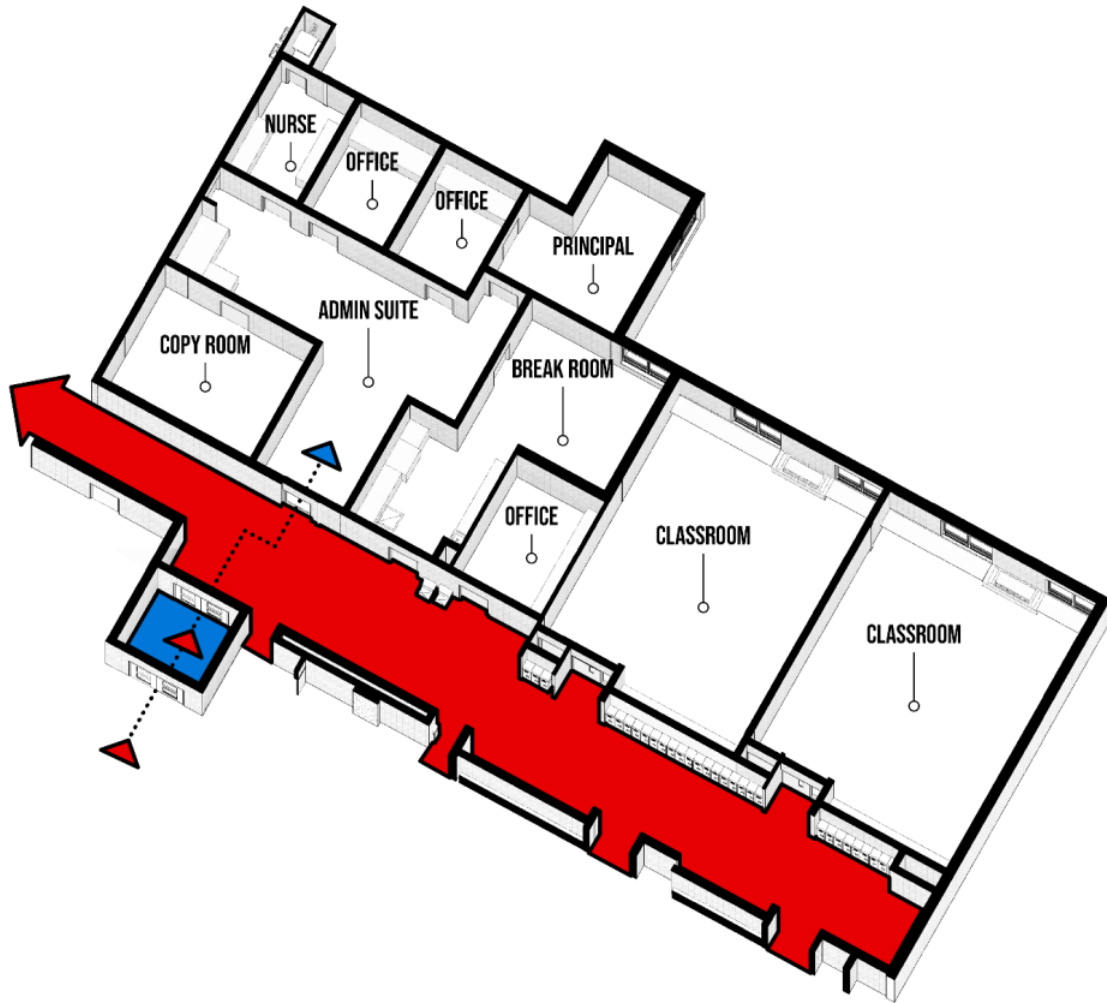DESIGN | PERFORMANCE | SUSTAINABILITY

Site Plan Safety

- Separate Bus Drop-off

- Separate Vehicular Parent Drop-off
  - ✓ Allows Parents to Watch Child Walk to Controlled Entry

- Parking Lot Barrier Elements

NEW REPAIRS TO TEACHER PARKING LOT

NEW TEACHER & HANDICAP PARKING LOT

NEW LANDSCAPED BERM TO ACT AS SAFETY BARRIER TO STREET

NEW SECURED ENTRANCE

NEW PARENT DROP-OFF & VISITOR PARKING

NEW BUILDING IDENTIFICATION SIGNAGE & FLAGPOLE

NEW BUS LOOP DROP-OFF DRIVE

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DESIGN | PERFORMANCE | SUSTAINABILITY

Controlled Vestibule Remodeling

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Controlled Entry Features

- Single Point of Entry

- Visual Control

- Video/Intercom System

- Video Surveillance System

- Sliding Pass-Thru Window

- Physical Separation

- 911 Distress Buttons

- Access Control Door Hardware

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Essential Planning Courses of Action

- Assessment Procedures
- Reporting Procedures
- Notification Procedures
- Evacuation / Shelter-in-Place / Hide, Run, Fight
- Emergency Responder Coordination
- Access Control Systems
- Video / Intercom Systems

- Video Surveillance Systems
- Accountability / Chain-of-Command
- Communications Management Procedures
- Short-term Recovery Procedures
- Long-term Recovery Procedures
- Preparation of Emergency Preparedness Kits

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