# PUBLIC SAFETY COMPLEX COUNCIL MEETING

## PUBLIC SAFETY COMPLEX - CONCEPT POLICE DEPARTMENT, FIRE DEPARTMENT - CO. #2, RESCUE SQUAD













The Township of Verona would be requesting, that action be taken to resolve longstanding facilities issues affecting the Police, Fire and Rescue Squad. Over the years, several alternative and individual plans have been evaluated for each of the Departments, yet little has been brought to fruition.

THE PROPOSED PLAN ENTAILS THE ESTABLISHMENT OF A UNIFIED SOLUTION THAT SEAMLESSLY INTEGRATES THE POLICE, FIRE, AND RESCUE DEPARTMENTS INTO A SINGULAR PUBLIC SAFETY COMPLEX.

THIS CONSOLIDATION NOT ONLY FACILITATES THE SHARING OF PROGRAM SPACES AND SERVICES BUT ALSO SERVES AS A STRATEGIC MEASURE TO CONTROL COSTS EFFECTIVELY.

















# HOW DID WE GET HERE?



- these efforts.

» Since 2015, Solutions Architecture has worked with the Township to explore potential improvements to the **PD.** The NEED has been here for some time.

» In July of 2018, Solutions Architecture was asked to review the Rescue Squad Facility and prepare a qualifications package to potentially come on board to assist with renovations/expansions.

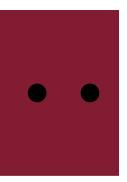
In November of 2020, Solutions Architecture was asked to review Company No.2 Firehouse and prepare a concept and budget for a new facility.

» Unfortunately, budgetary concerns sidelined many of















- **>>** owned, BOE owned and private facilities with little success.
- consolidated Public Safety Complex. Sites included:
  - of the three departments)

  - **>>**
  - unusable natural green site.)

The township has been exploring properties; over 20 locations including Township owned, County

» In April of 2023, Solutions Architecture was commissioned to evaluate in greater detail, several properties around town with the prospect of placing a new Police Department, or potentially a

» 820 Bloomfield Ave - Fmr. Nature's Corner Nursery - (22,200 sq.ft. irregular site - including partial street, ingress/egress challenges, requires street closure/reconfiguration - inadequate site size/shape for any

» 318 Bloomfield Ave - Henry's + Verona Aluminum (36,200 sq.ft. irregular site - bordered on Church St. - inadequate site size for PD or a consolidated public safety complex with necessary parking)

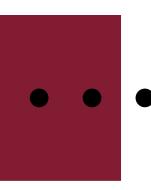
Lakeside Ave - OLL Parking Lot (48,100 sq.ft. regular site - significant grade differential and retaining wall at back of property. Inadequate site size for a consolidated public safety complex with parking)

» 217/225 Pompton Ave (118,309 sq.ft. regular site - significant grade change from street to back; 91,000 sq.ft. of usable space - can fit a consolidated public safety complex and additional parking - 27,000 sq.ft. of





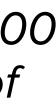










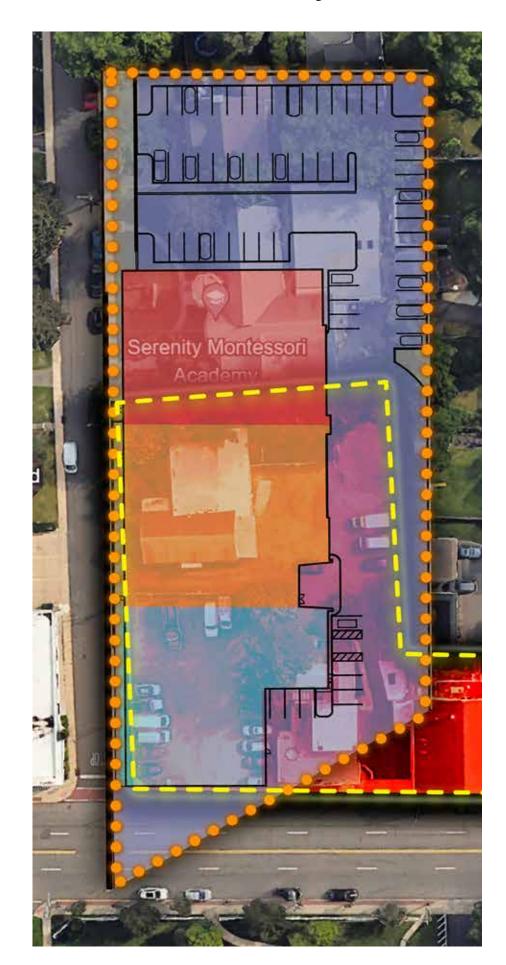




## » 820 Bloomfield Ave



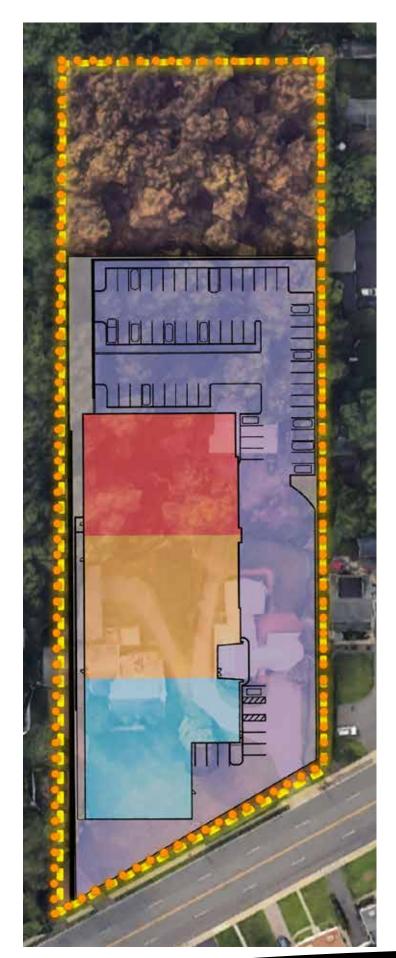
» 318 Bloomfield Ave - Henry's + Verona Alum.



## » 22 Lakeside Ave - OLL Parking Lot



» Subject Site - 217/225 Pompton Ave

















- **Townships Departments.**

» Since April, Solutions Architecture has met with the Township Administration, Police, Fire and Rescue, Chiefs and key personnel to explore their deficiencies, their needs and potential improvements to each of the

» Over the course of multiple meetings held at Solutions Headquarters here in Verona, over the last six months, numerous concepts were explored and revised, all at the aim of gaining consensus and compromise from the three Departments on a facility that would meet their needs yet all for consolidation of shared services.

» While nothing included herein is set in stone, the concepts have been reviewed and approved by the members of each of the Police, Fire and Rescue Squad.















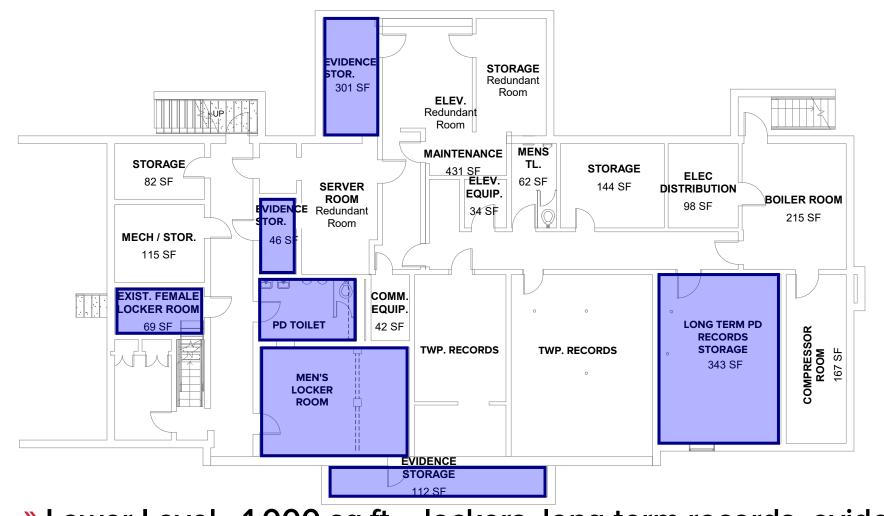
# VERONA POLICE DEPT

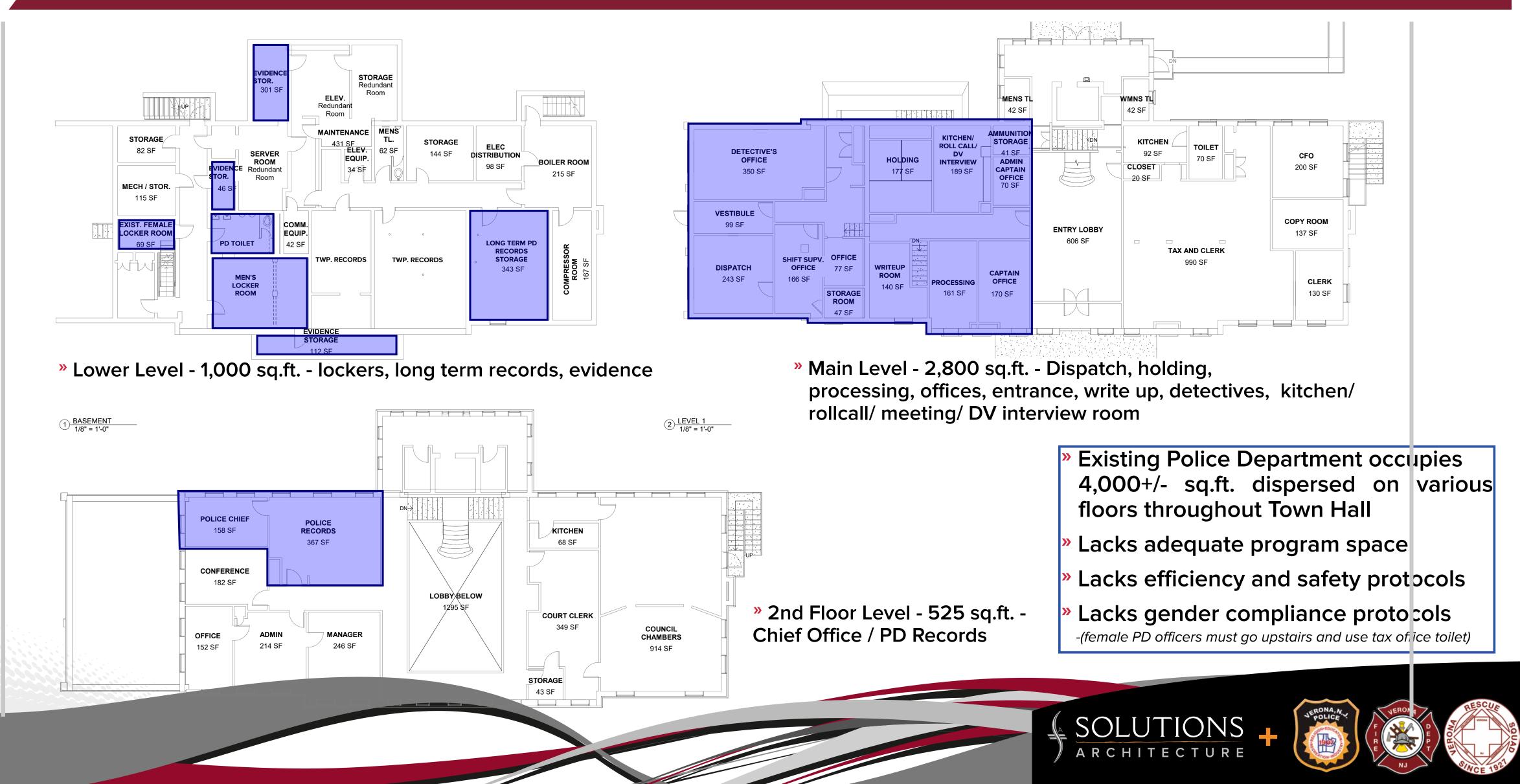
----









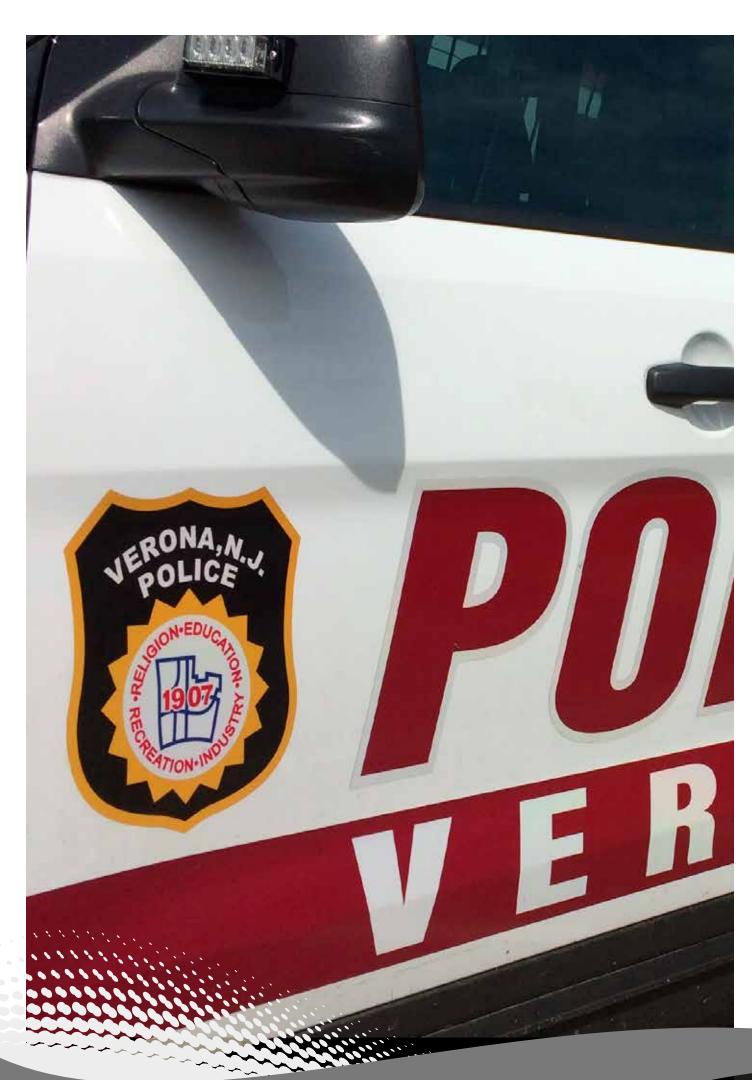


## EXISTING PLAN - POLICE DEPT. POLICE DEPT. • •





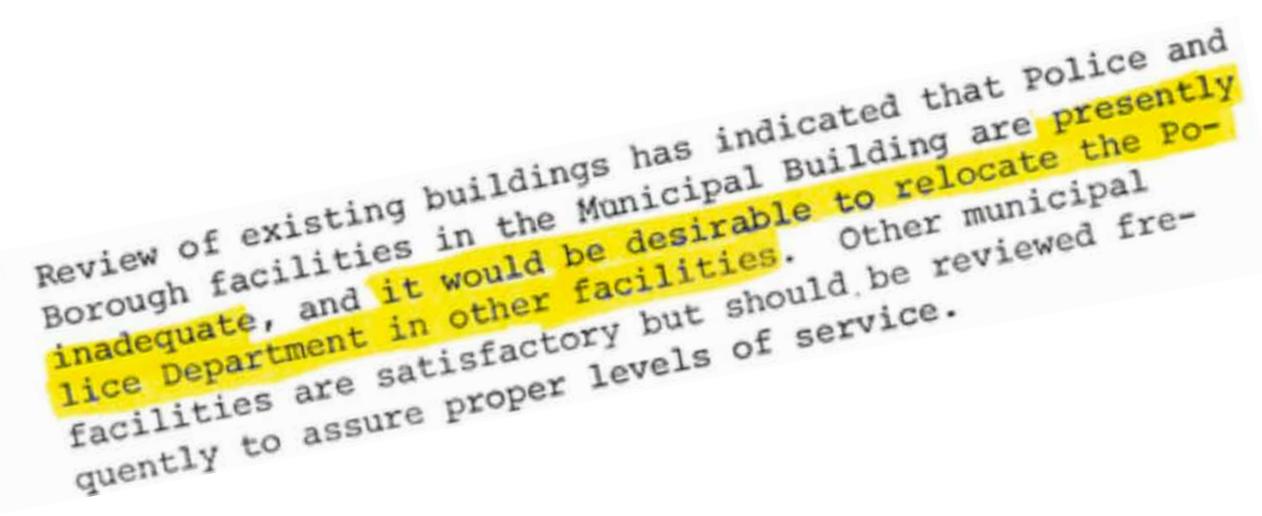




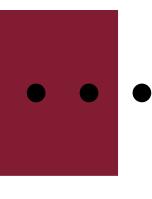
» Dating as far back as 1978, the Borough's Comprehensive Master Plan called out that the "Police and Borough Facilities are presently inadequate and it would be desirable to relocate the Police Department in other facilities."

community facilities

## **POLICE DEPT.**















- serious limitations."

» In the 1980's, it was discussed publicly and the quote from the leadership was they would "work with the Police Department in developing a cost effective plan for the upgrading of our Police Headquarters".

» In 1981, it was stated that "the facilities rank among the worst in the county, they are inefficient and overcrowded. These are poor working conditions under which "Verona's Finest must labor and has a detrimental effect of morale and job effectiveness."

» Again in 1983, it was stated that "our facility has







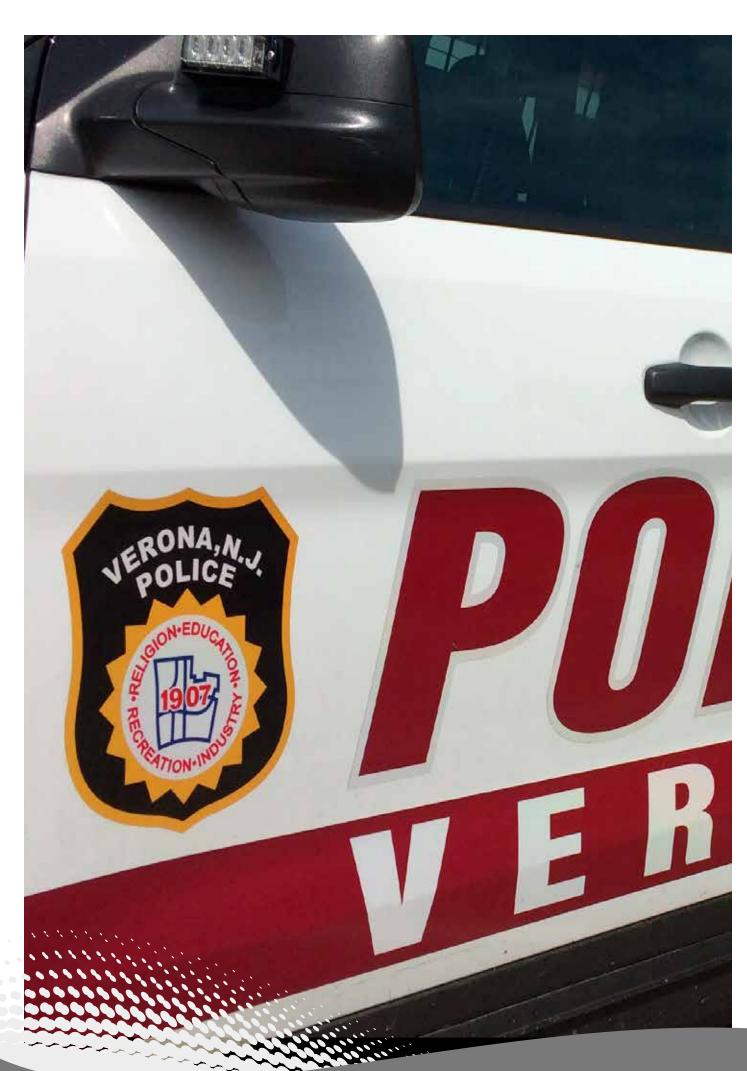












» In 1984, a "move" to the space".

## **POLICE DEP**

basement "attempted" to provide additional needed



ARTERS. Det. Sgt. Doug Huber and Det. Joseph Petri Verona Detective Bureau now located in the basement of Building. The Township Detective offices for many years were on the first building. The move provides more space and a quieter work environme vestigators. Not shown is Det. John McClellan.

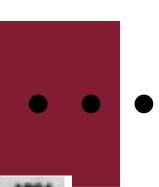
## » 1986, two years later it was AGAIN "front page news" -"Public Safety Facility Proposal Being Studied."

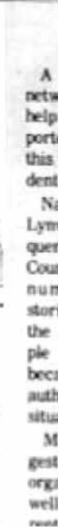
» 1998, with the construction of the Community Center and new Fire House, the relocation of the Fire Dept. allowed the Police Dept. to move Dispatch and the **Detective Bureau out front to its current location.** 



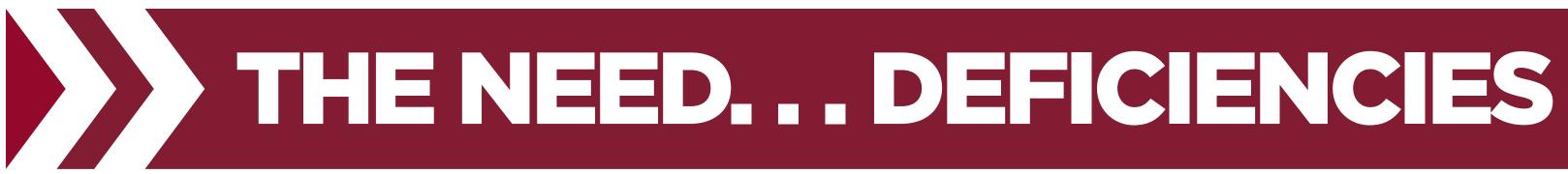


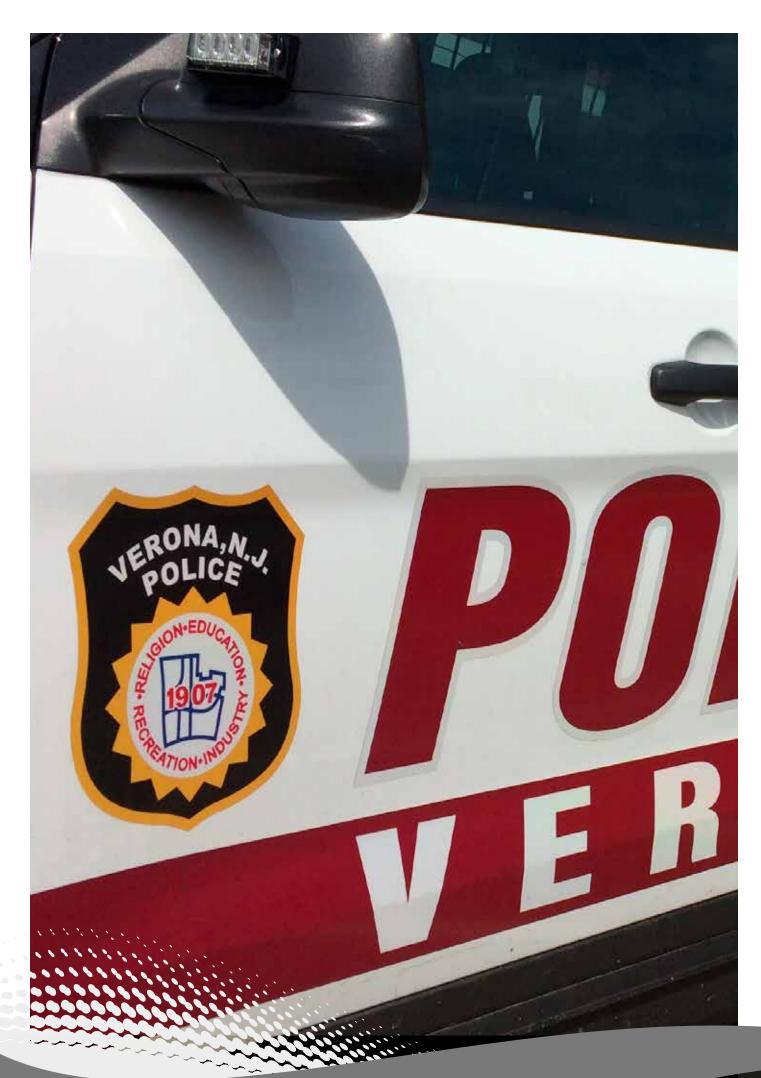












- **Construction**.

» Present Day...for the past (5) years there have been efforts to explore potential improvements to the department, including locker room upgrades, additions + renovations to the existing facility, acquisition, adaptation of an existing non-law enforcement facility or New

» It is clear from our evaluations that the existing Police Department in its present condition, falls short of meeting some very basic requirements of the Police Facilities Planning Guidelines, that were prepared by the International Association of Chiefs of Police nor does it meet the requirements of the Department of Corrections.

» Only so much can be done before DOC mandates that the entire facility be brought up to standards.





















- - » A true sallyport secure detainee entrance.
  - » Separation of detainee/staff or detainee/public.
  - » Confidential interview rooms.
  - » Secured prisoner processing/holding areas or cell block.
  - » Adequate space for department briefings or roll call.
  - » Adequate space for an Emergency Operations Center.
  - » Adequate report / administrative areas.
  - » No fitness / training areas or adequate locker rooms.
  - » Adequate space for future growth.

## **POLICE DEPT**

»Commonly, existing facilities often fail on the criteria of adequate space. Even if the existing Police Building were gutted and renovated from top to bottom, the existing structure lacks the necessary square footage to accommodate the most basic of program elements.

















»Given the lack of needed program spaces, the department cannot take advantage of revenue producing or operational savings aspects that could otherwise be possible with a new facility.

- » Shared fee based services:
  - » Potential Regional Meetings
  - **»** Potential Training Conferences (host often receives free entry for 15 officers to the program a savings of \$\$\$\$)
  - » Shared use of Virtual Firing Range
  - » Potential for a Regional or shared local dispatch center
  - » Potential shared Emergency Operations Command Center

## **POLICE DEP**





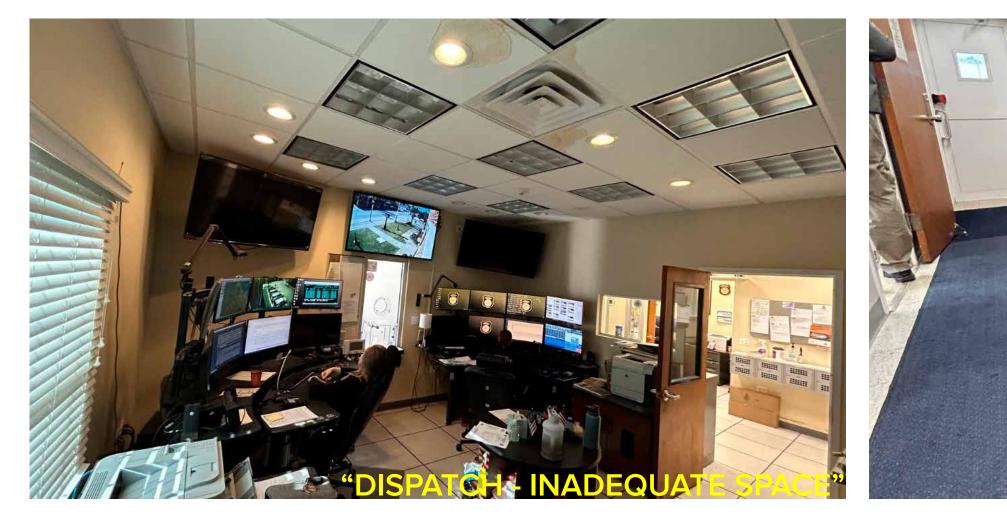








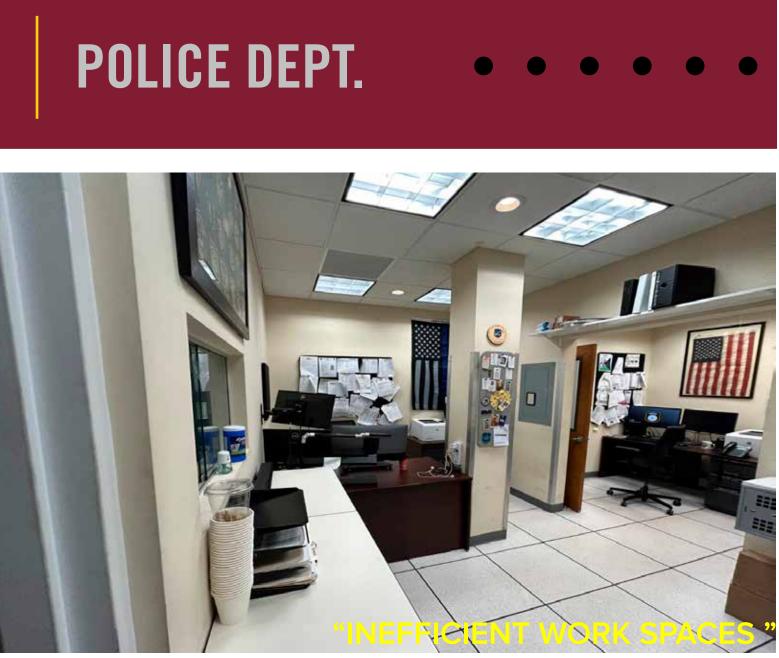












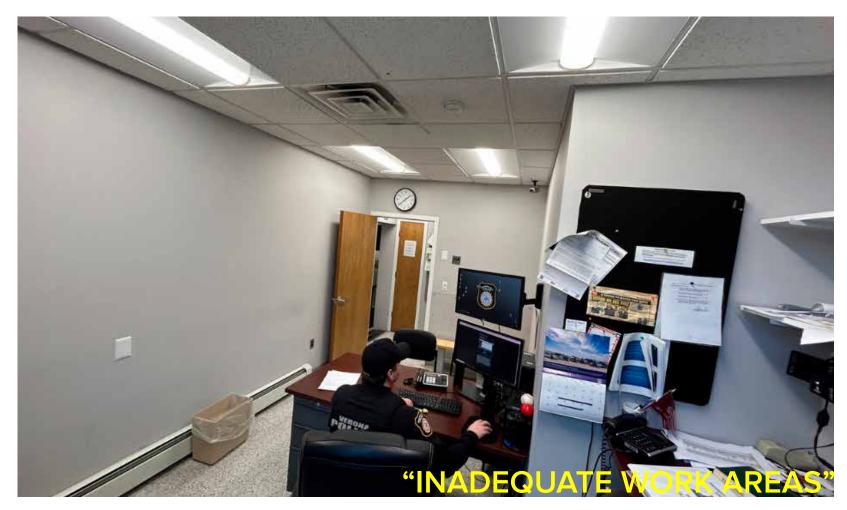














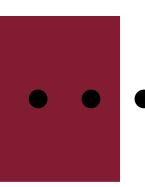




## **POLICE DEPT.**



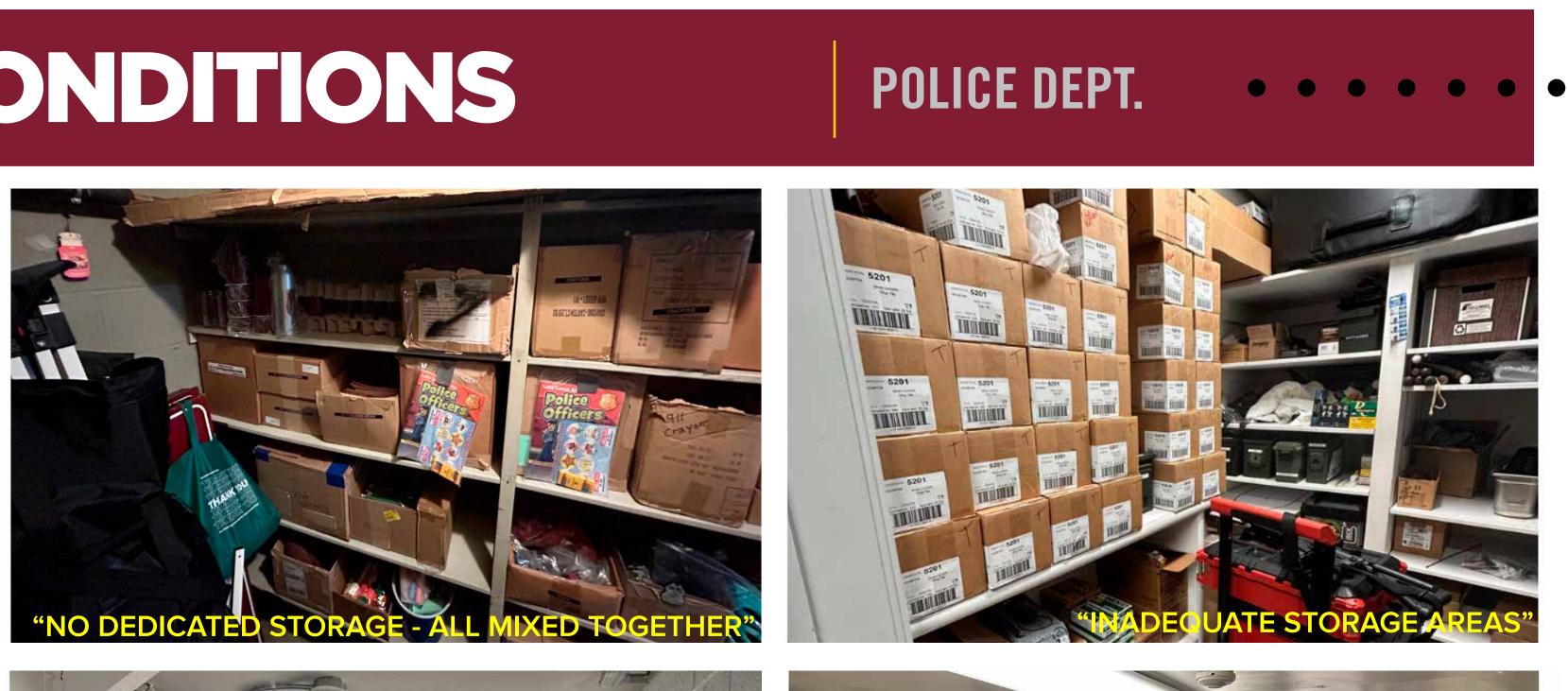


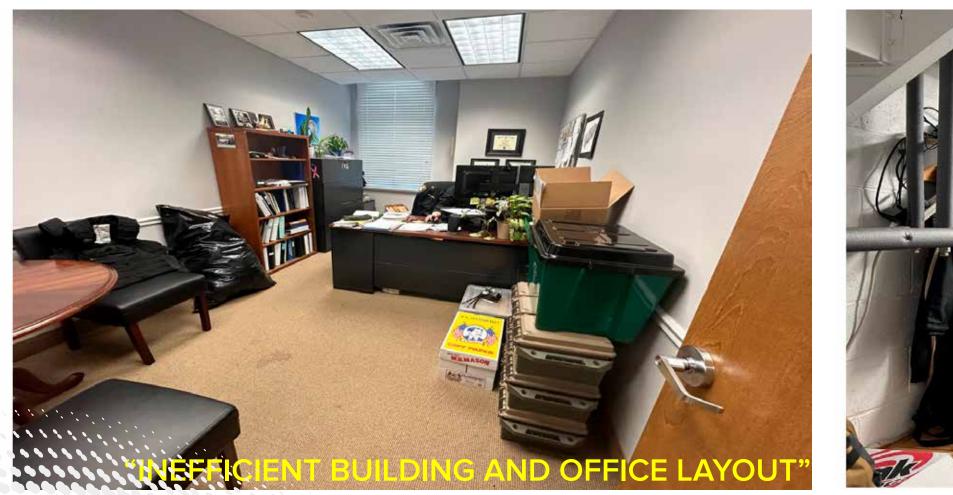
























# 

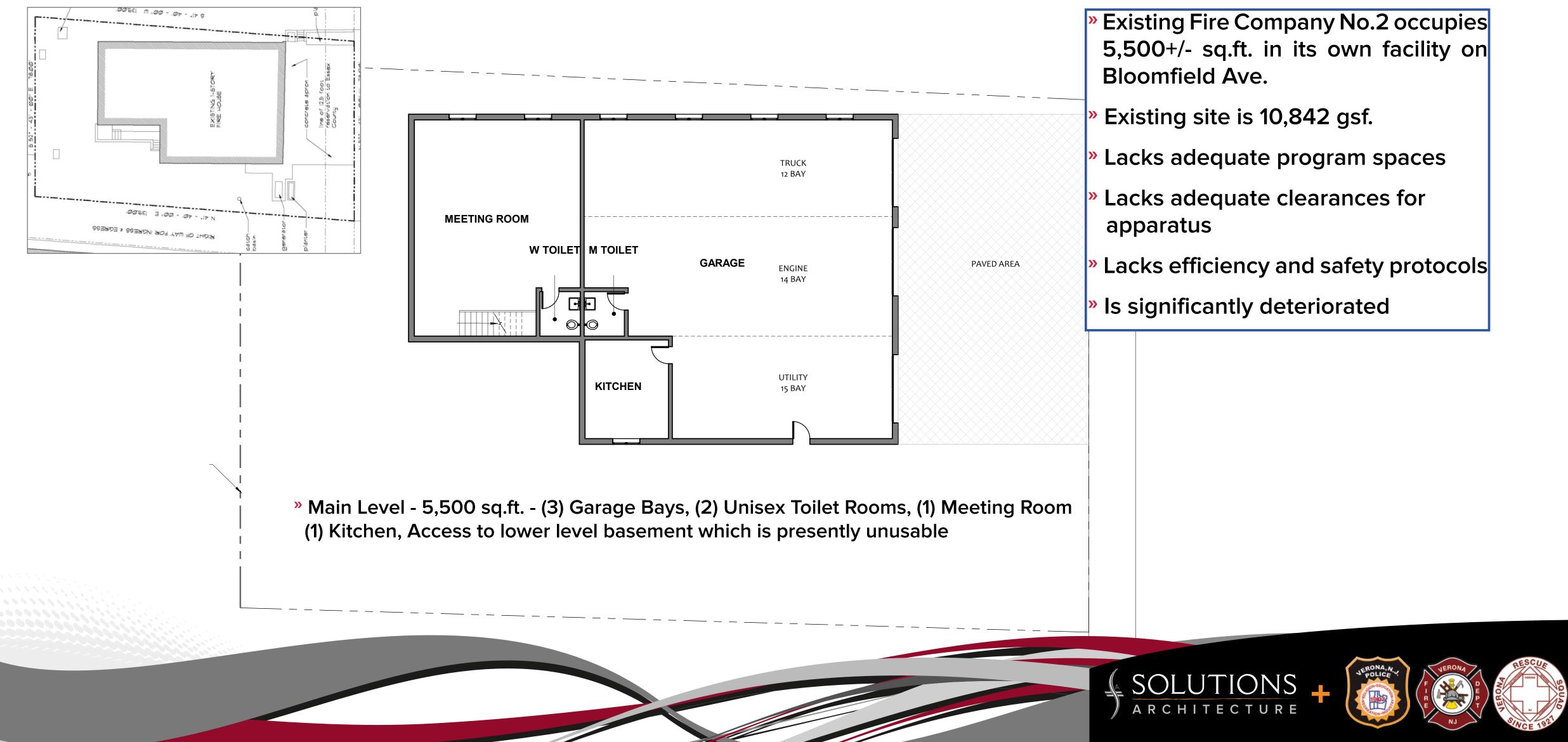
----







EXISTING PLAN



## FIRE DEPT.









## FIRE DEPT.

» In 1922 a wooden one-bay firehouse was built on the present location to house one hose tender. In 1926 a second bay was added and this housed the rescue truck.

» In 1949 a fire destroyed the firehouse and the present building was erected with two bays. In the early 60's, a third bay was added for an additional apparatus.

» 1982 - (40 Years Ago) Fire station was renovated to allow for heavier apparatus and addition of a ladder truck. The front of the building was modified and new concrete floor added. Furnace and boiler were replaced and a new three-inch water line was run into the building.

» In 2016 a study was conducted and explored renovations, renovations + additions, and the construction of a new firehouse on the existing site.













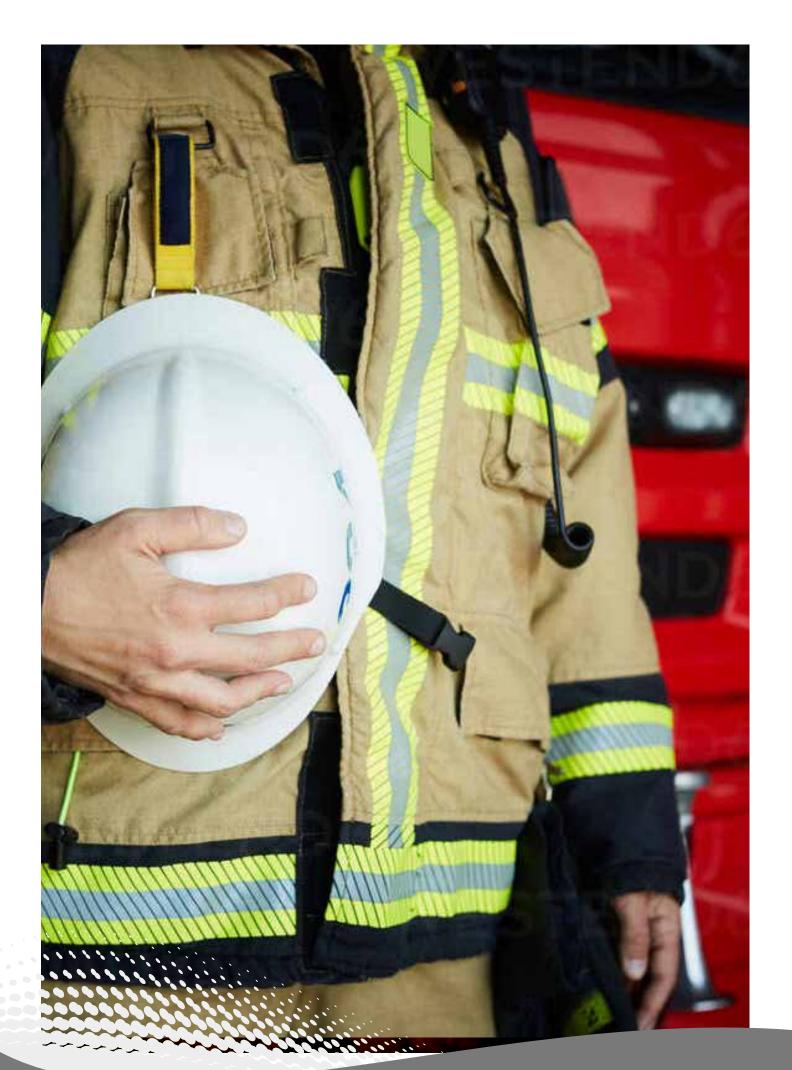












- » Building is 74 years old and is NOT OSHA compliant with present day standards:
  - » Apparatus bay is 50' Ladder Truck is 48' and the platform on the ladder must have 1.5' clearance from the garage doors, leaving 6" from wall of the bay.
  - » There is no room for gear racks behind the ladder truck, all the gear racks are on the driver's side wall creating a safety issue when four or five members are donning the gear necessary to respond to a fire call.
  - » Overhead doors are only 12' high resulting in minimal clearance for certain apparatus.
  - » There are inadequate parking spaces. The company may have as many as 28 members and there are only 11 parking spaces.

SOLUTIONS ARCHITECTURE

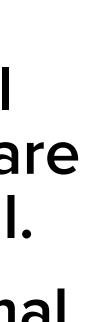








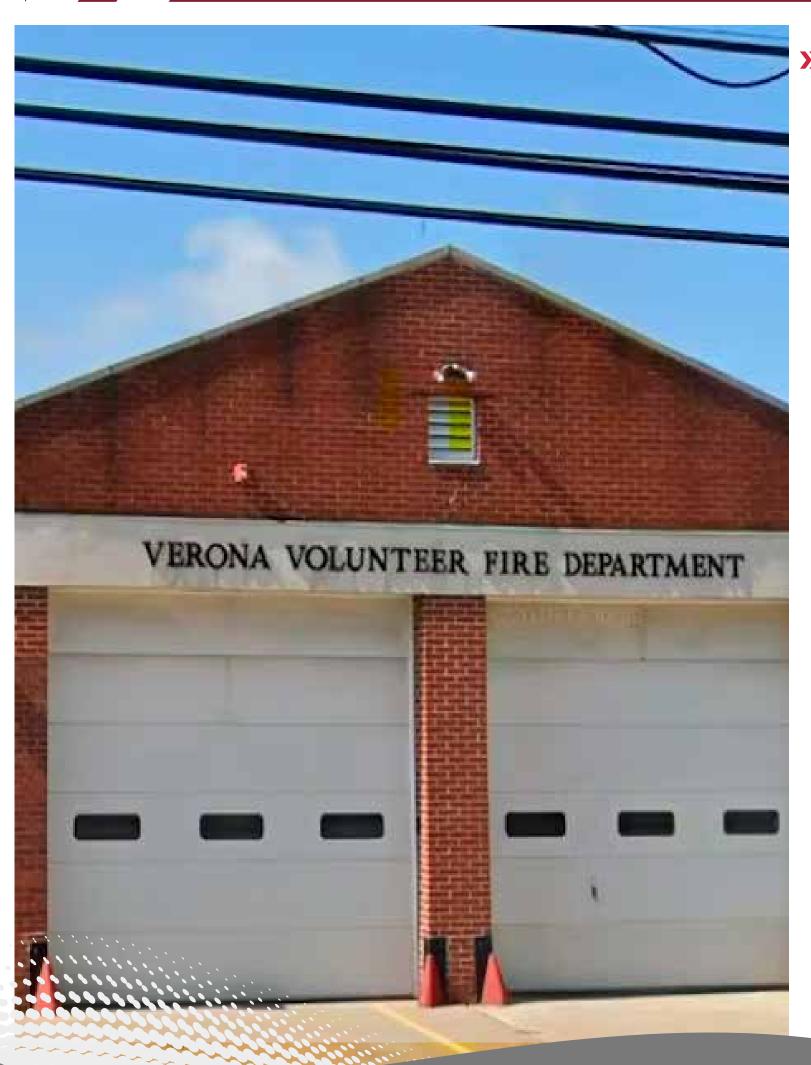








# THE NEED. . DEFICIENCIES



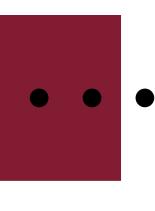
- **»** Facility Issues:
  - »Major roofing/flashing issues allowing water infiltration causing facade separation, exterior wall, window and door issues/cracking + stucco/plaster damage.
  - »Major structural issues due to building settling likely from the building being constructed over organic materials leftover from fire demolition in 1949.
  - » Floor tiles popping, wood floors warping, window frames at meeting room / basement are rotted/leaking. Steel lintels are rusted and bowing.
  - » August 2017 Break in main sewer line, flooded the basement. Two sump pumps in basement are inadequate to keep up during heavy rain storms resulting in more water infiltration.

## FIRE DEPT











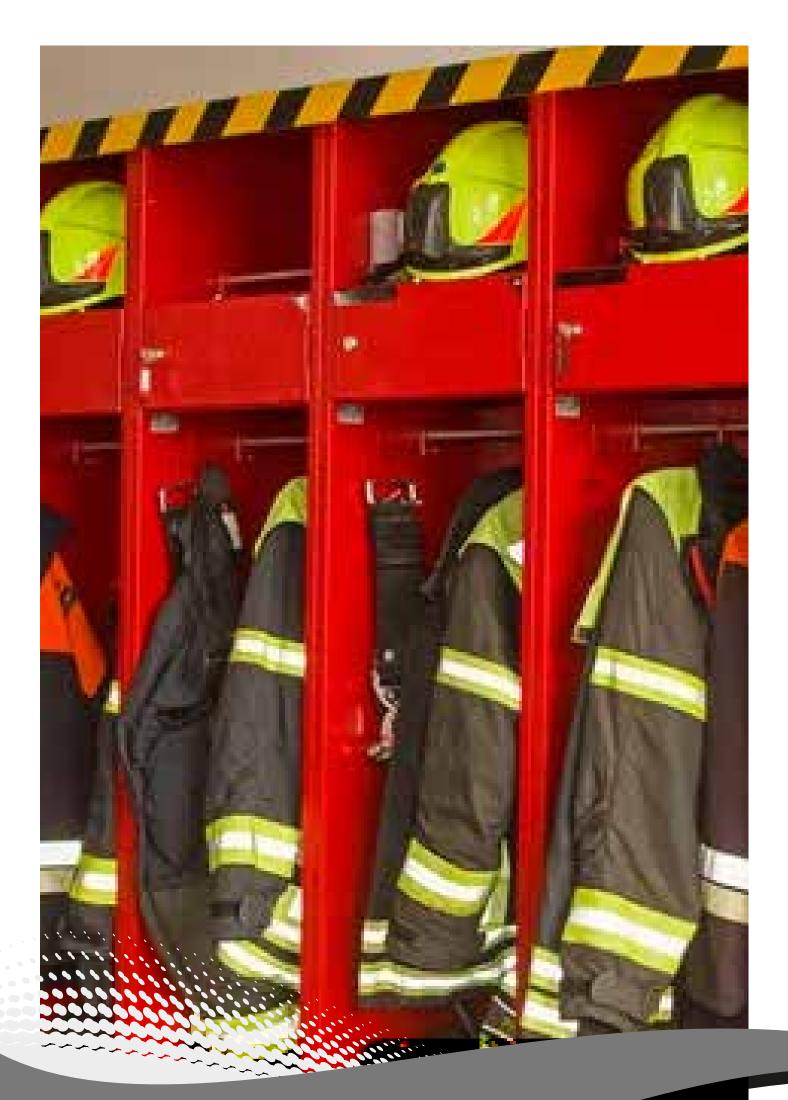












- » Facility Issues:
  - » The air conditioning unit on the roof is irreparable. Building and Grounds had a company come in to assess the unit, and they estimated that it would be \$15,000 to replace it.
  - » Heating system was overhauled in 2020, but the boiler that was installed 70's was never replaced in spite of extensive repairs, it is in need of replacement.
  - » Major plumbing leaks throughout the facility, sediment found in the system. Apparatus bay floor drains do not appear to have an oil separator.
  - » The basement entry stairwell floods during heavy rain. Basement door-deteriorated and does not open, posing a safety problem. Basement cannot be used.

FIRE DEPT.







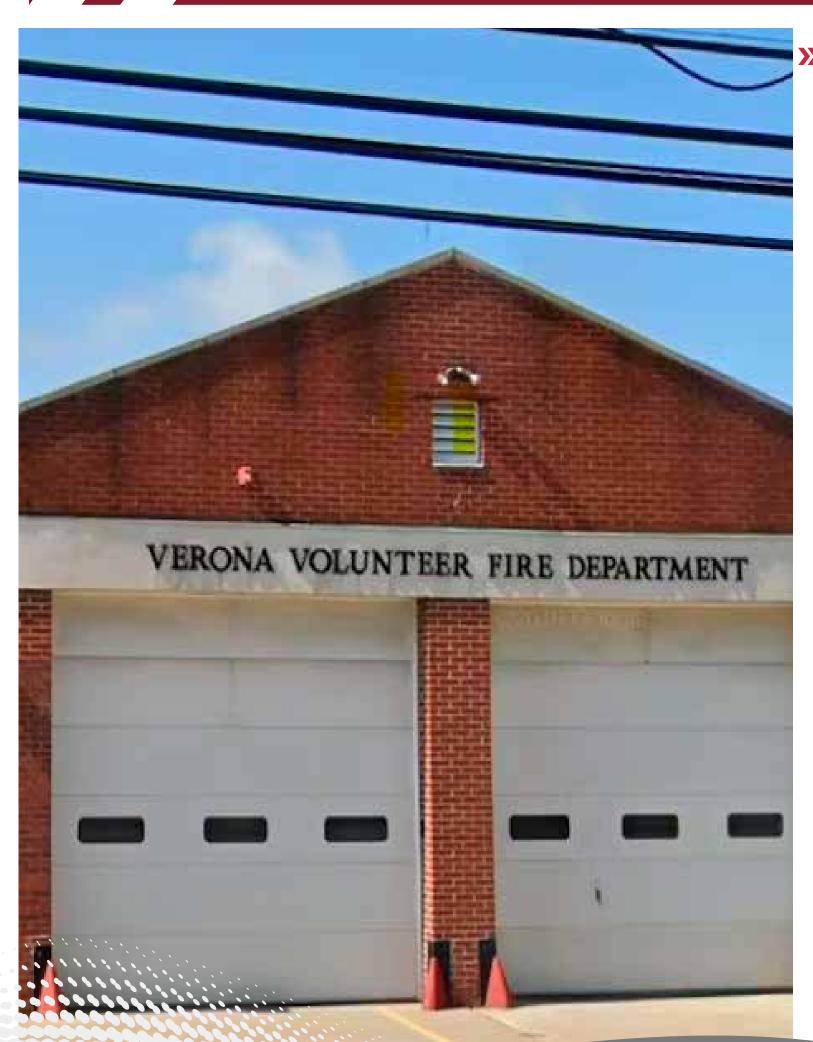








# THE NEED. . DEFICIENCIES



# of adequate space.

- » Additional, future apparatus bays; unsafe bay clearances
- » Adequate space for a training room
- » Adequate kitchen space
- » Adequate office space
- » Adequate oxygen tank storage facilities
- » No adequate toilet facilities or shower facilities
- » No locker rooms,
- » Maintenance / Work space
- » Deteriorated infrastructure/structural issues, cracking, plaster deteriating, power, lighting, plumbing

## FIRE DEPT.

Commonly, existing facilities often fail on the criteria





















## FIRE DEPT.

• • • •

















## FIRE DEPT.











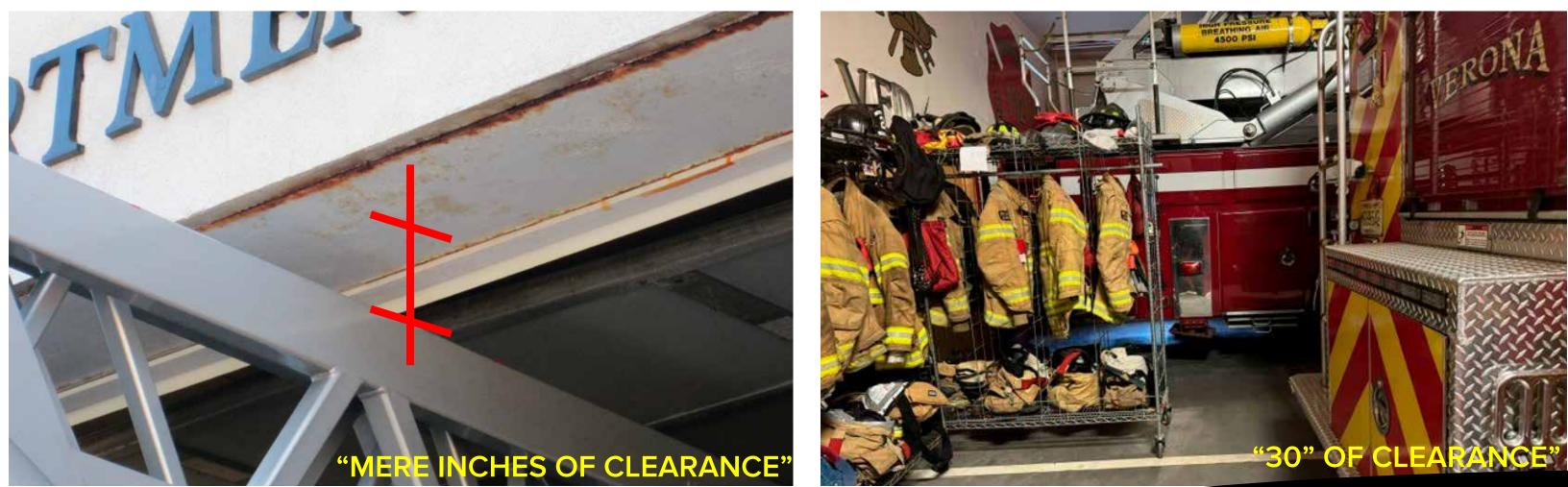












## FIRE DEPT. • • • •















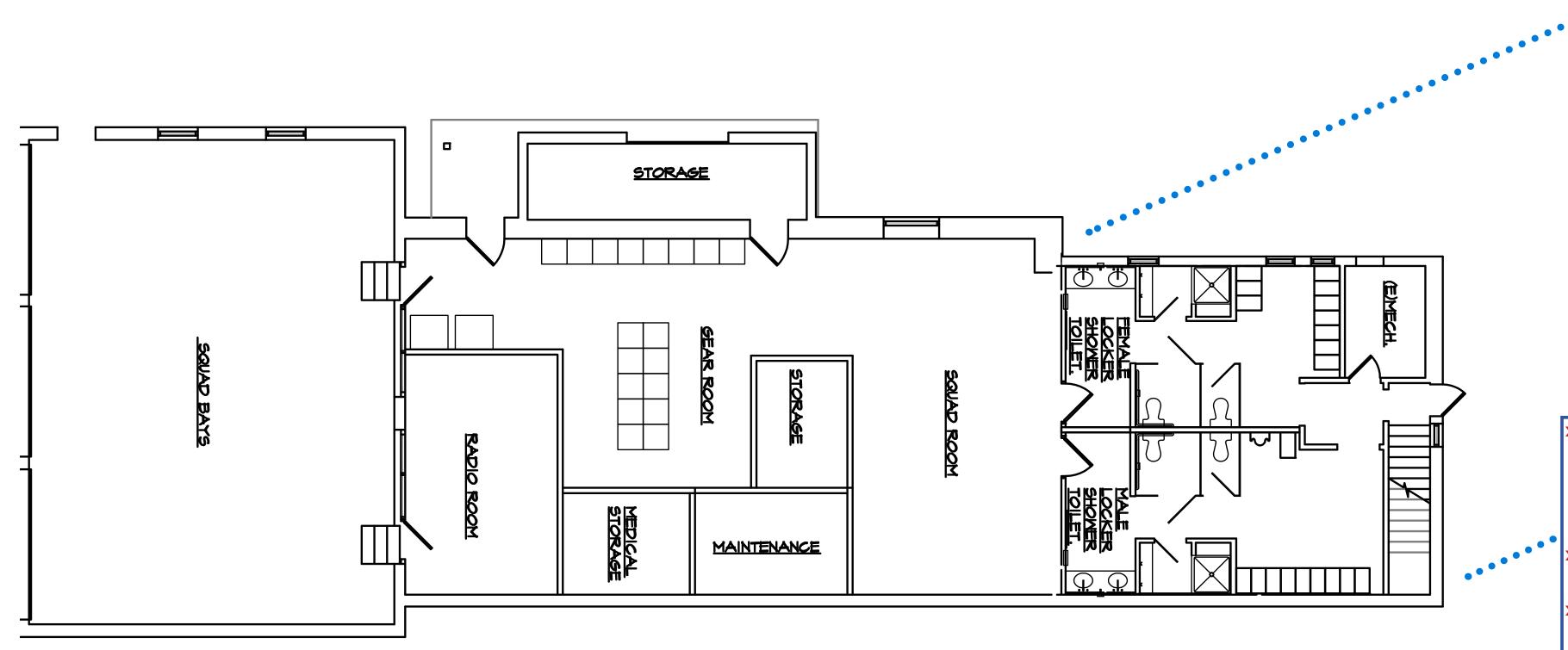
----

# 



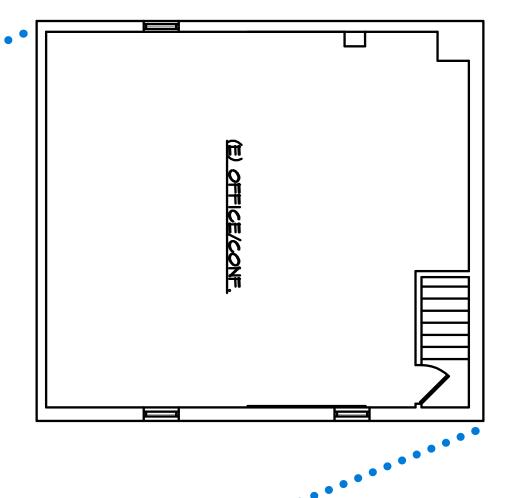




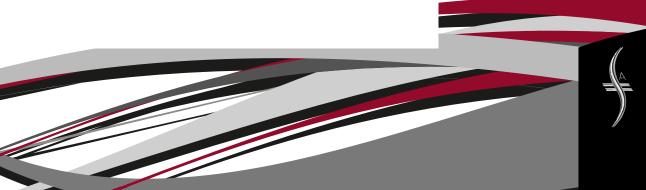


» Main Level - 4,632 sq.ft. - (3) Garage Bays, (1) Large Squad Room (no private areas for sensitive discussion), non-ADA compliant unisex toilet rooms, (1) Day Room, (1) Storage Room (1) Mechanical Room, (1) Kitchen, access to second floor office and conference space.

## RESCUE SQUAD • • • •



- » Existing Verona Řescue Squad occupies 4,600+/- sq.ft. in its own facility on Church Street.
- Lacks adequate program spaces
- » Lacks adequate clearances for apparatus
- » Lacks efficiency and safety protocols
- » Is significantly deteriorated





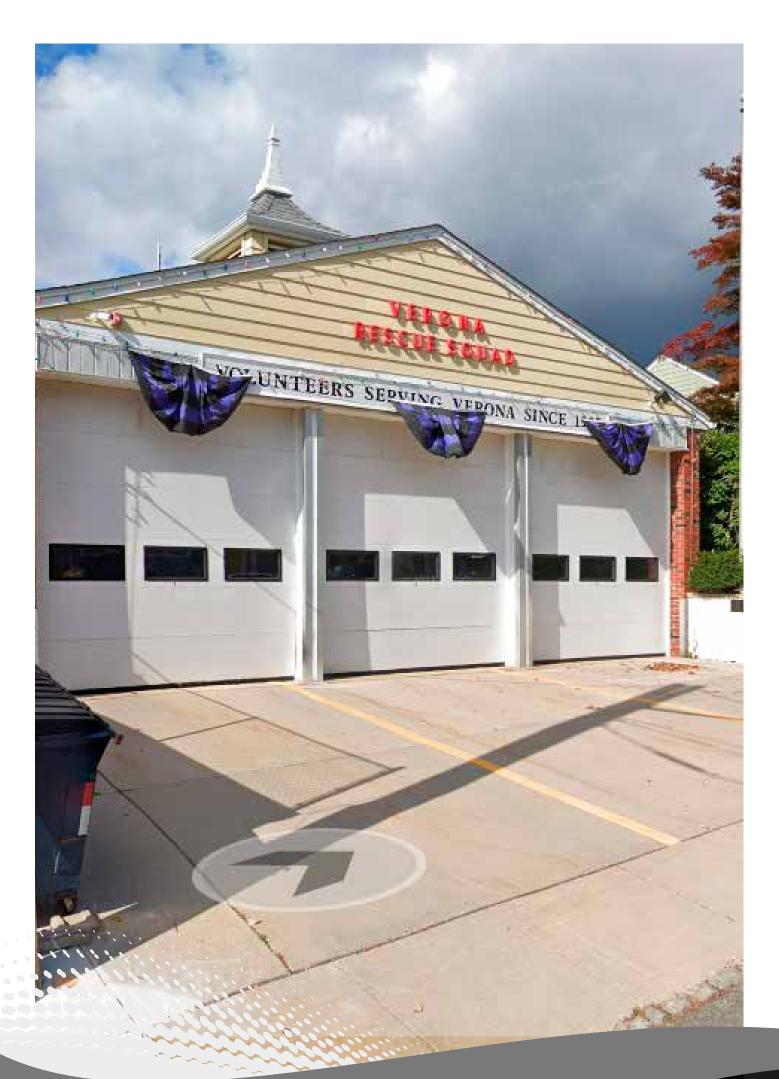




own s ocols







» In 1927, VRS was formed and is currently the oldest, 24-Hour, 100% Volunteer EMS Squad in the New Jersey.

» The current building was a 1920's carriage house that was converted for the squad. It underwent upgrades in 1942 and in 1980. Little has been done since.

» On average 20%-30% of donations received, fund the maintenance and utilities for the building. It is 100% managed by the volunteer team.

» In 2019, VRS commissioned an evaluation of the existing facility conditions to determine current deficiencies and to evaluate the facility's ability to handle future growth.

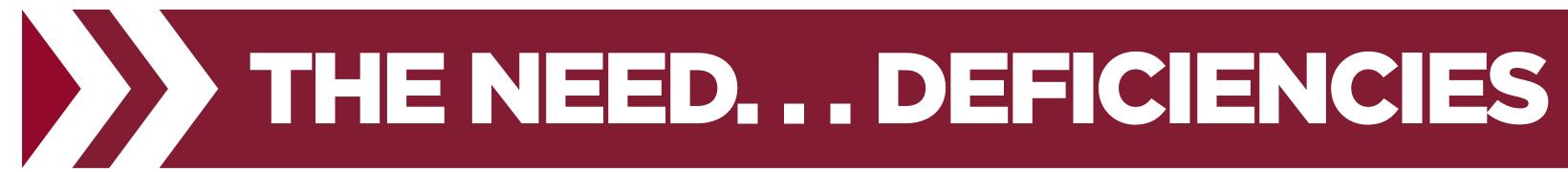














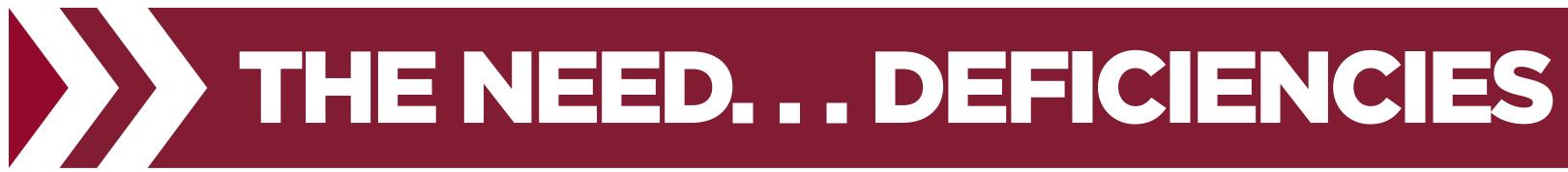
- » The report determined that the existing facility lacks some very essential building planning elements. And operationally is very inefficient.
- » The report suggested proper planning concepts that would result in a safer, more efficient facility capable of a faster turnout which is so critical for life saving operations.
- » The report highlighted that the existing facility, if renovated, would still lack necessary program elements or the ability to accommodate growth.

SOLUTIONS ARCHITECTURE











- » Commonly, existing facilities often fail on the criteria of adequate space.
  - » Main entrance public access / ADA compliance
  - » Additional, future apparatus bays; unsafe bay clearances » Adequate space for a training room

  - » Adequate kitchen space
  - » Adequate office space / watch / report rooms
  - » No decontamination space / eye wash capabilities
  - » Adequate oxygen tank storage facilities
  - » No adequate toilet facilities or shower facilities
  - » No locker rooms, bunk rooms, or private space for calls that may regard sensitive HIPAA related subjects
  - » Maintenance / Work space
  - » Inadequate parking for members
  - » Deteriorated infrastructure, power, lighting, plumbing











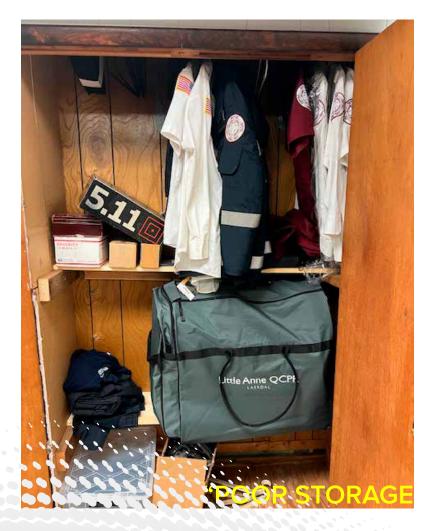




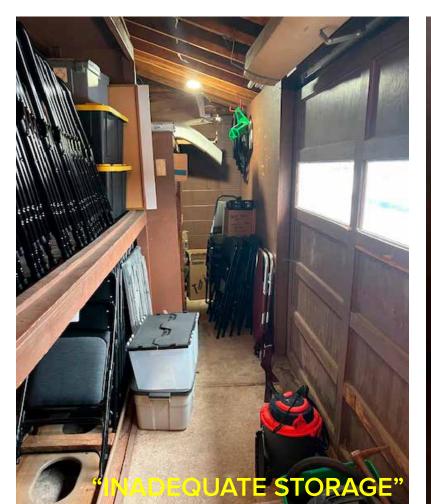






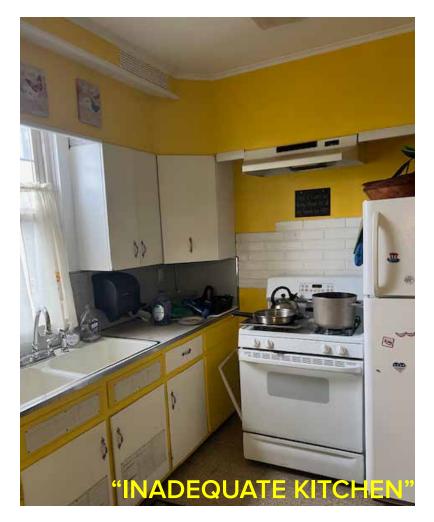




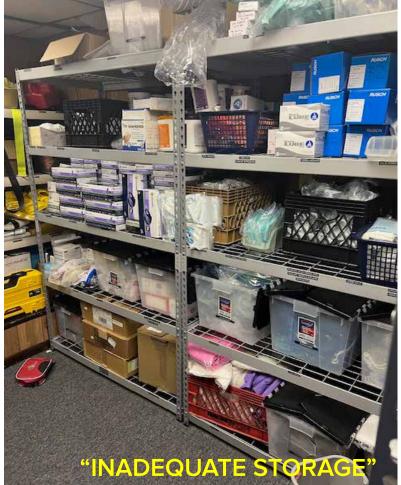


## **RESCUE SQUAD**











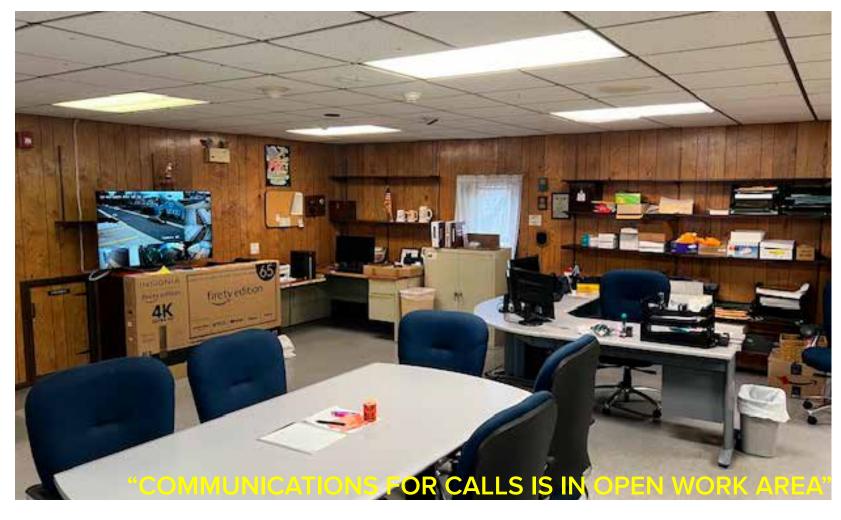










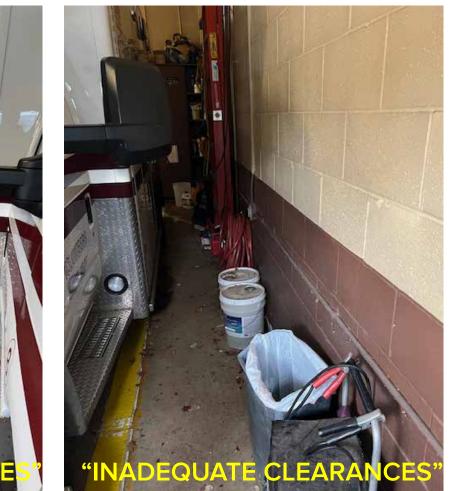








## **RESCUE SQUAD**











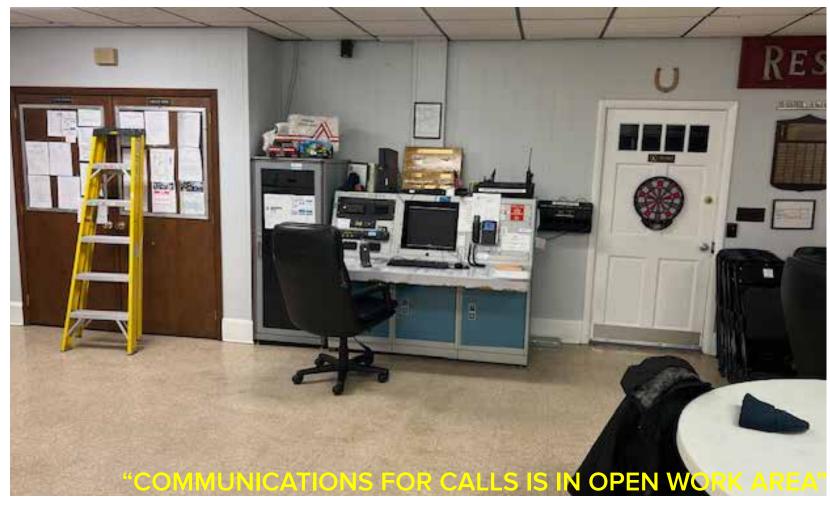












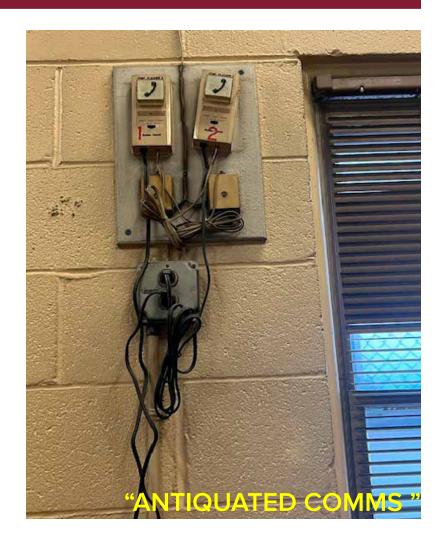






## RESCUE SQUAD • •





















# 

----











# PUBLIC SAFETY COMPLEX PRIORITIES -

## **ADEQUATE PROGRAM SQUARE FOOTAGE**

- » Accomodate all program needs.
- » Provide previously unavailable program spaces
- » Bring facility up to current standards for each department
- » Create safe and efficient spaces for staff, administration and the public

## **INCREASED EFFICIENCY / PERFORMANCE**

- » Bring facility up to current standards for each department
- Increase efficiency and turnaround times for calls and responses
- » Create operational adjacencies which improve performance

## **SHARED PROGRAM SPACES / OPERATIONAL COST SAVINGS**

- » Capitalize on the singular facility to allow for shared spaces
- » Eliminate redundancies as possible.
- Provide unified services that accommodate all departments
- » Allow common areas for necessary collaboration between departments















- » Camden County Police Facility
- » Rutgers Police Facility
- » Holmdel Police Facility

## **» AFTER OUR PRESENTATION OF THE COMPLEX, THE D.O.C. CONCLUDED THAT THE SUBMISSION WOULD:**

- » Accomodate all program needs.
- » Provide previously unavailable program spaces
- » Bring facility up to current standards for each department
- » Create safe and efficient spaces for staff, administration and the public

**BE MEASURED.** 

# PUBLIC SAFETY COMPLEX PLANNING · · ·

**» A MEETING WAS HELD WITH DEPARTMENT OF CORRECTIONS (D.O.C.) TO REVIEW PD DESIGN / LAYOUT** 

» THE QUESTION WAS ASKED WHAT FACILITIES IN THE **STATE ARE THE ONES TO LEARN FROM? WHICH ARE THE STATE OF THE ART FACILITIES TO EMULATE?** 

## **» THEY FURTHER INDICATED THAT IF BUILT, THIS FACILITY** WOULD BECOME THE MODEL BY WHICH ALL OTHERS WOULD



















# 

----

# 









## **SITE PLAN**

## **ACQUIRED PROPERTY: 217/225 Pompton Avenue**



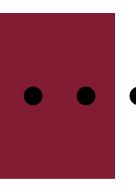




PUBLIC SAFETY COMPLEX



## MAIN FLOOR PLAN



h	
Ľ	
Ш	
-	
Ш	
Ш	
И	
U	
ſ	
Ш	
Ļ	
L	
Ш	
Ш	
H	
Ш	
-	
ŀ	
ŀ	
ŀ	
ŀ	
F	
L	
11	
Ш	
-	
Ц	
Ш	
Ш	
Ĺ	
H	
ŀ	
Ш	
Ц	
Ш	
Ļ	
L	
ľ	
×	
Ш	
1	
ŀ	
Į,	
ŀ	
Ľ	
ŀ	
I.	
F	
ŀ	
Ŀ	
11	
Į,	
ŀ	
ŀ	
2	

PUBLIC SAFETY COMPLEX



TOTAL 19,785 SQFT



## SECOND FLOOR PLAN • • • • •







VERONA PUBLIC SAFETY COMPLEX



REIMAGINED

 $\bullet \bullet \bullet \bullet \bullet$ 

## **PUBLIC SAFETY COMPLEX EXTERIOR**



















































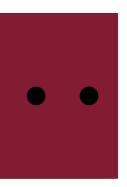




















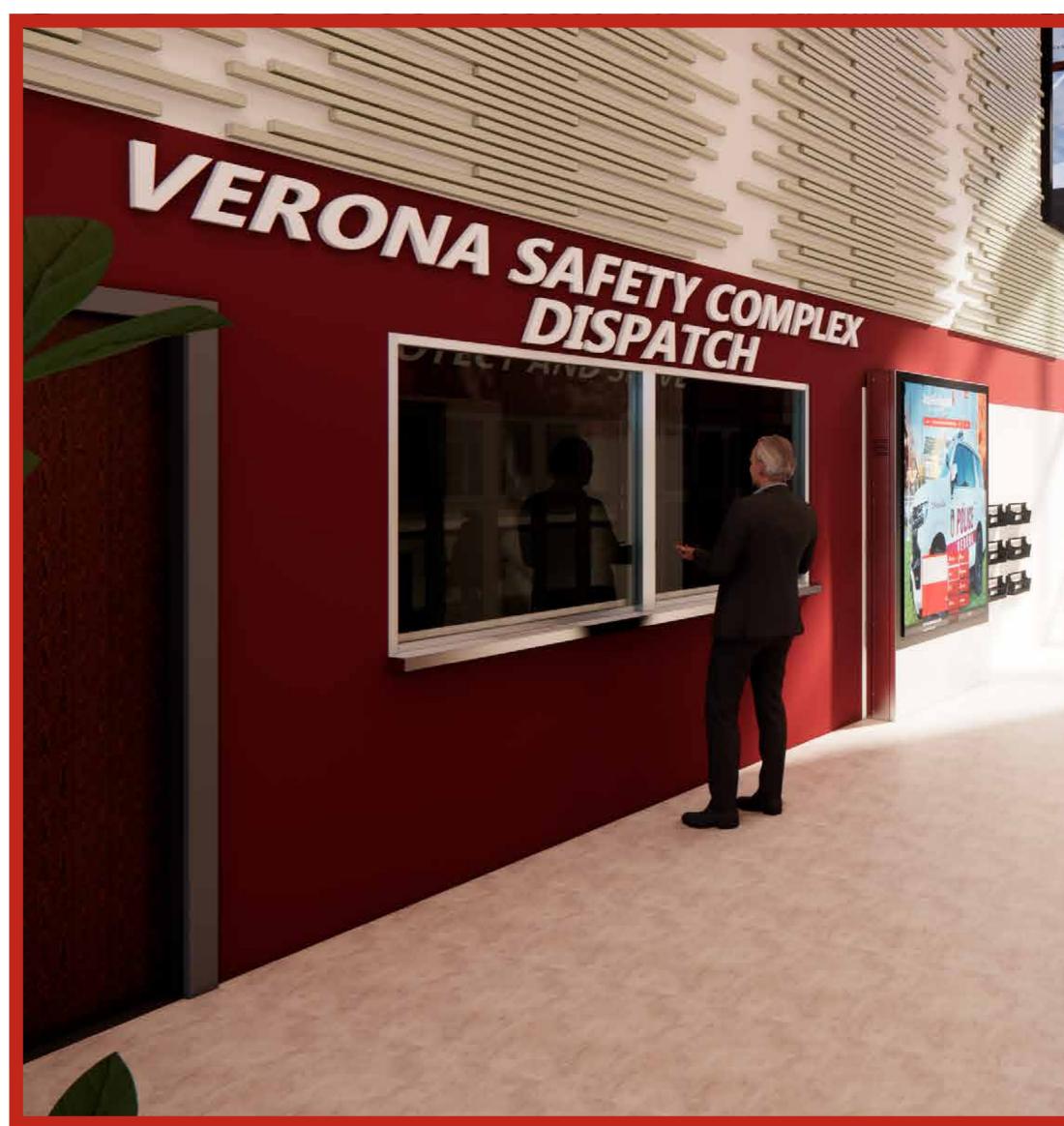




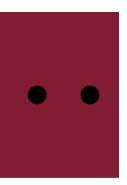








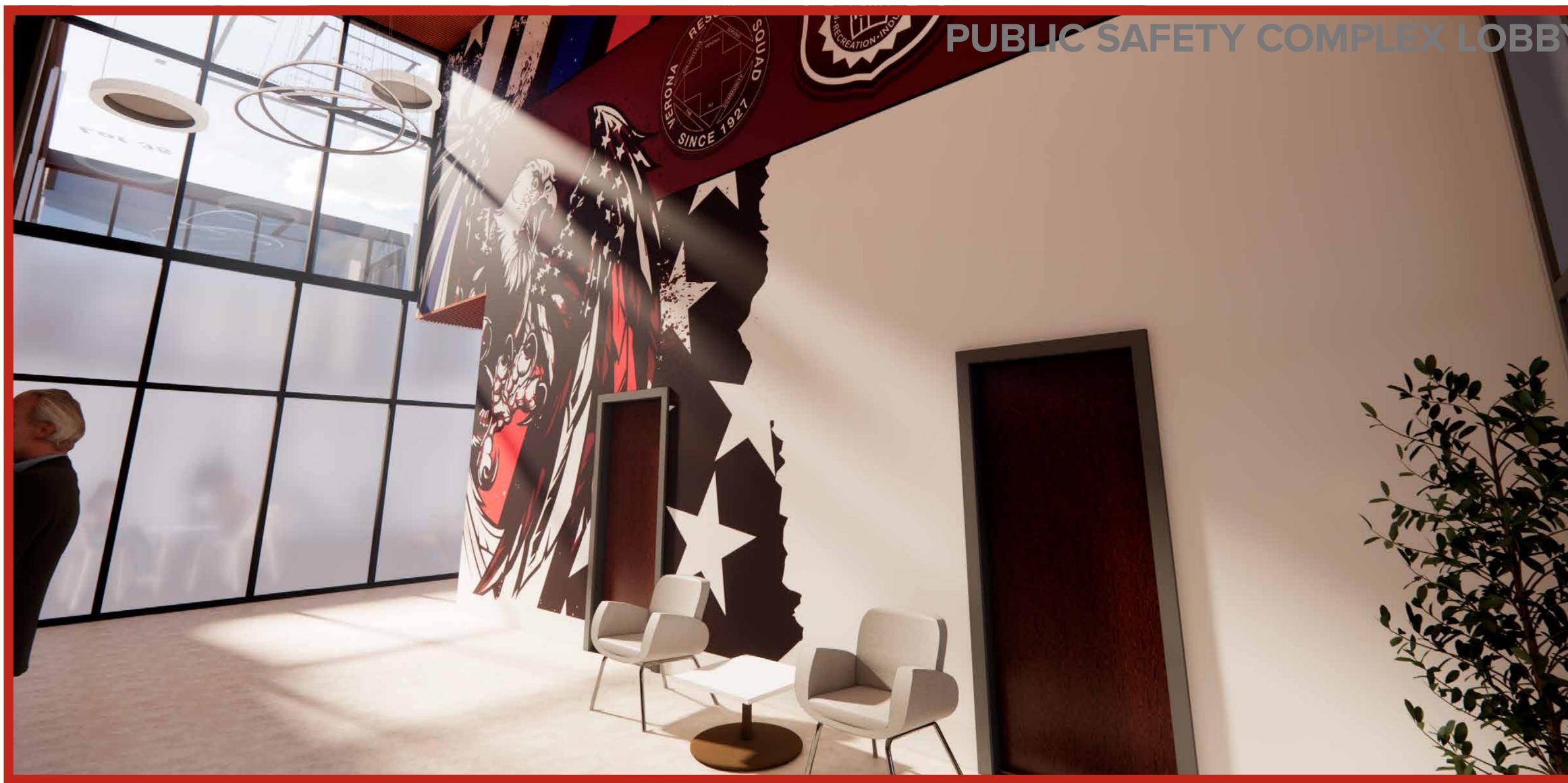
OMPLEX LOBBY/DISPATCH











 $\bullet \quad \bullet \quad \bullet \quad \bullet$ 







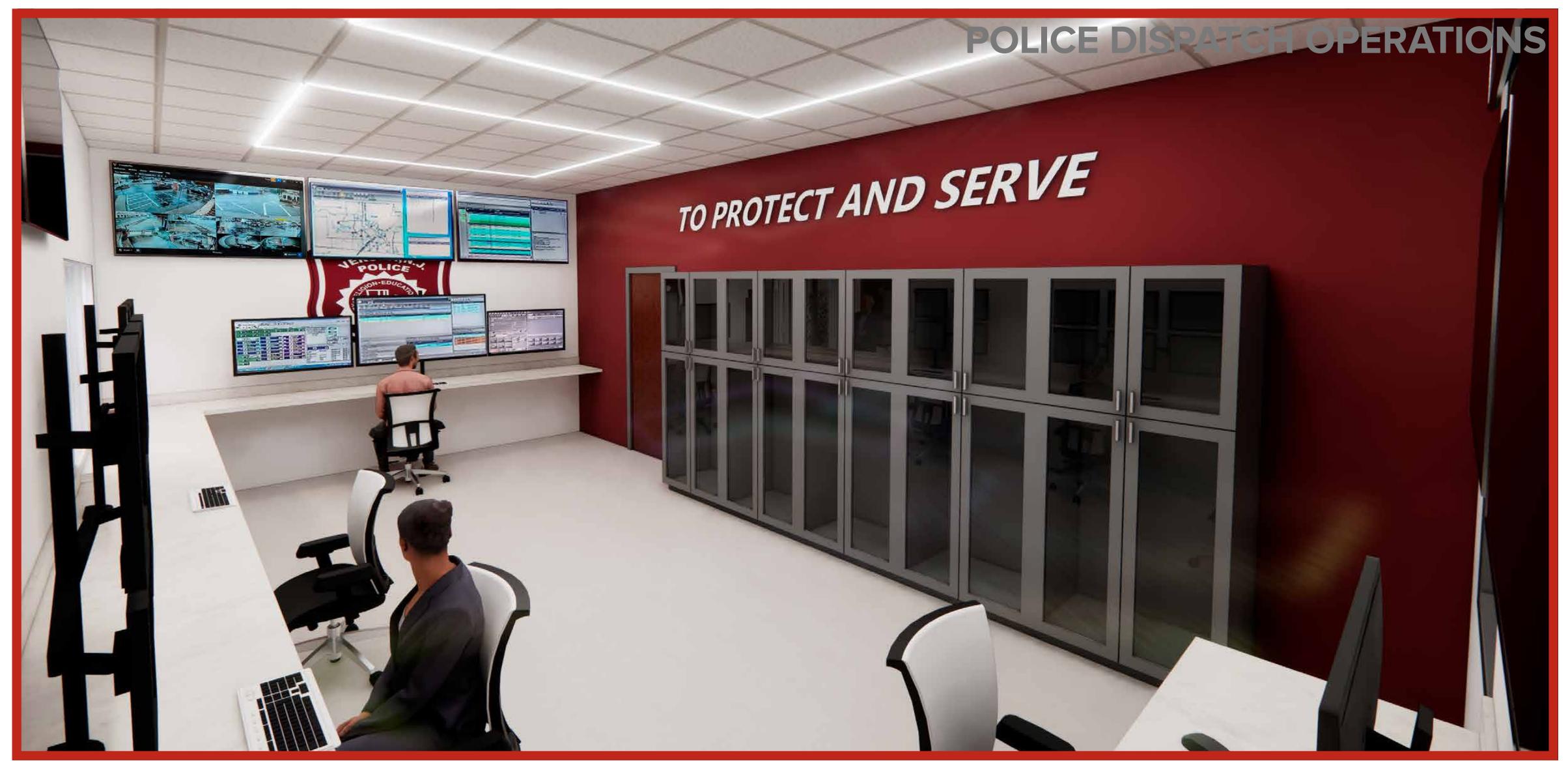






•



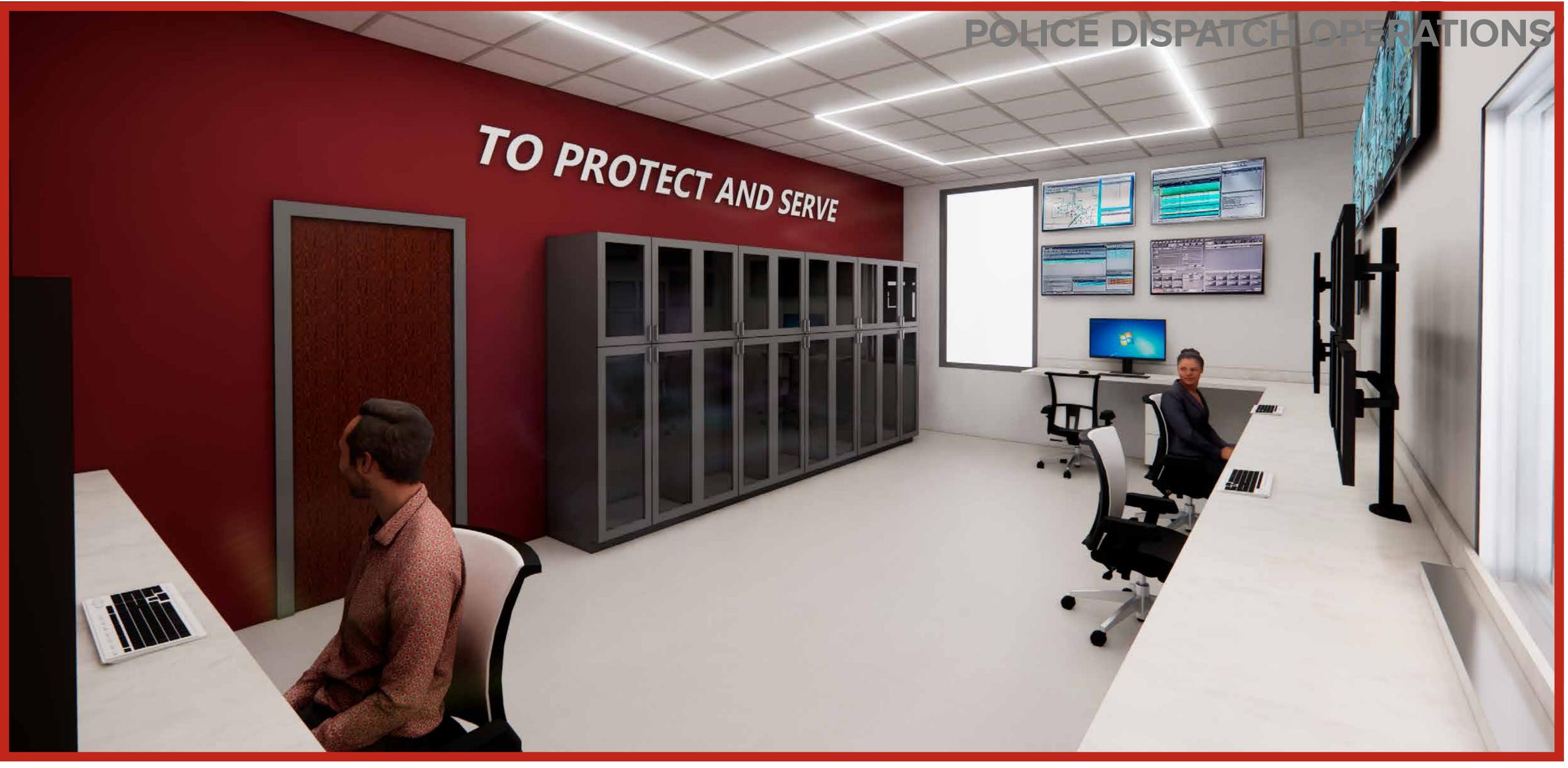


 $\bullet \bullet \bullet \bullet$ 









 $\bullet \quad \bullet \quad \bullet \quad \bullet$ 







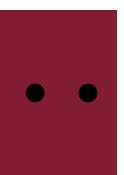




















 $\bullet \bullet \bullet \bullet \bullet$ 

















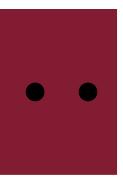










































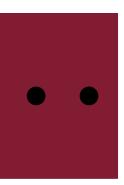






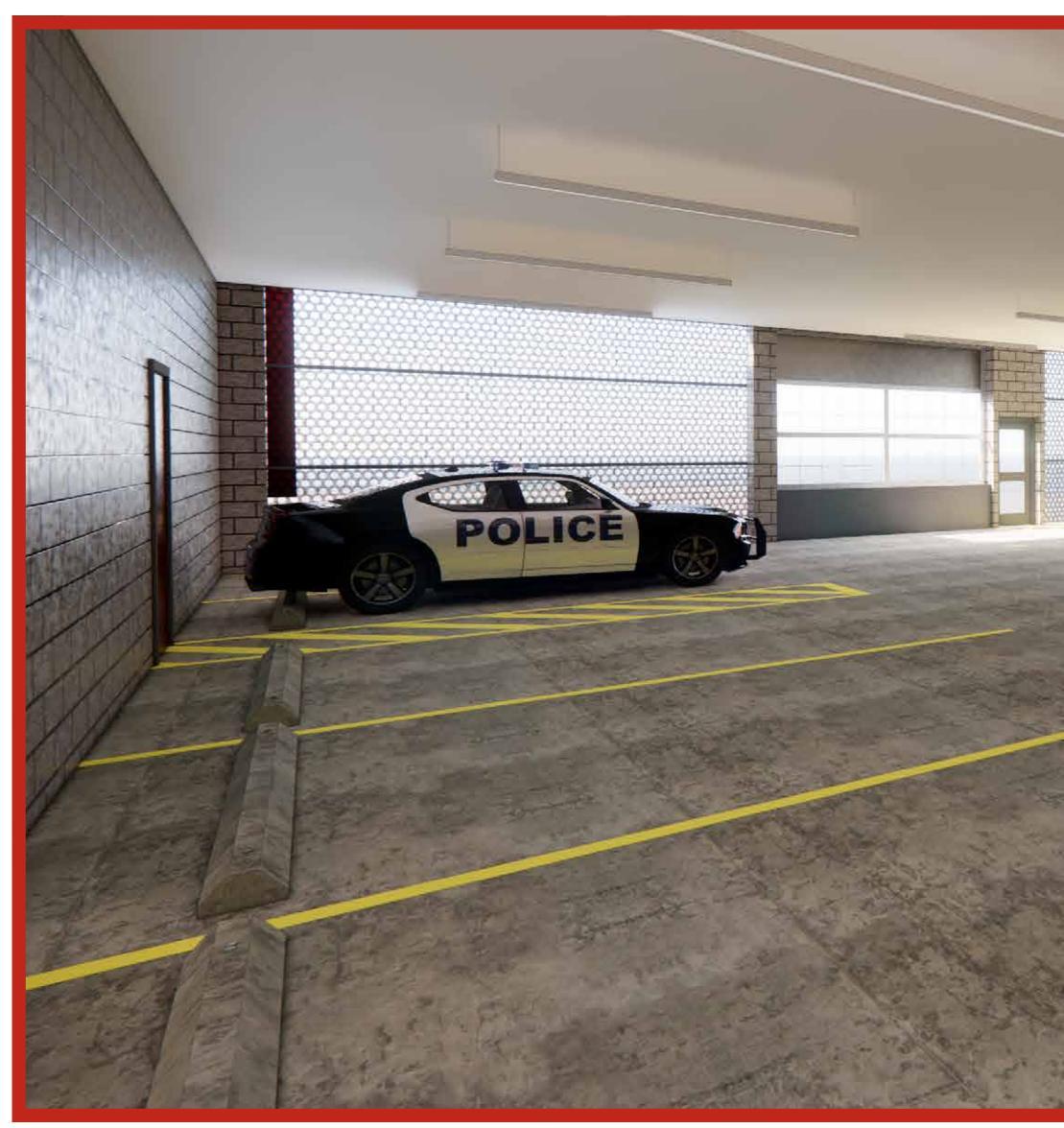


 $\bullet \bullet \bullet \bullet$ 







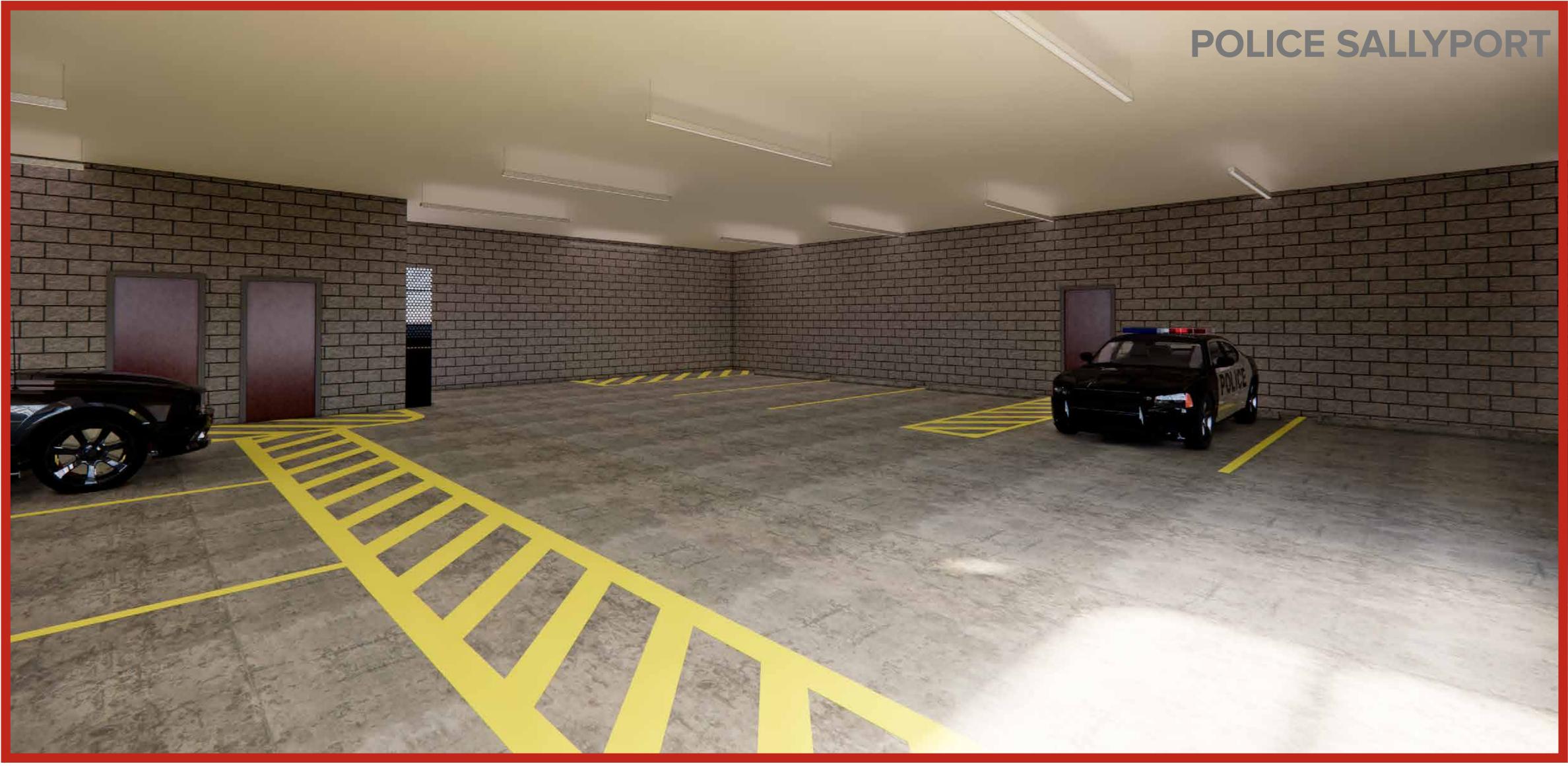




















 $\bullet \bullet \bullet \bullet \bullet$ 



















## FIRE DEPARTMENT READY ROOM







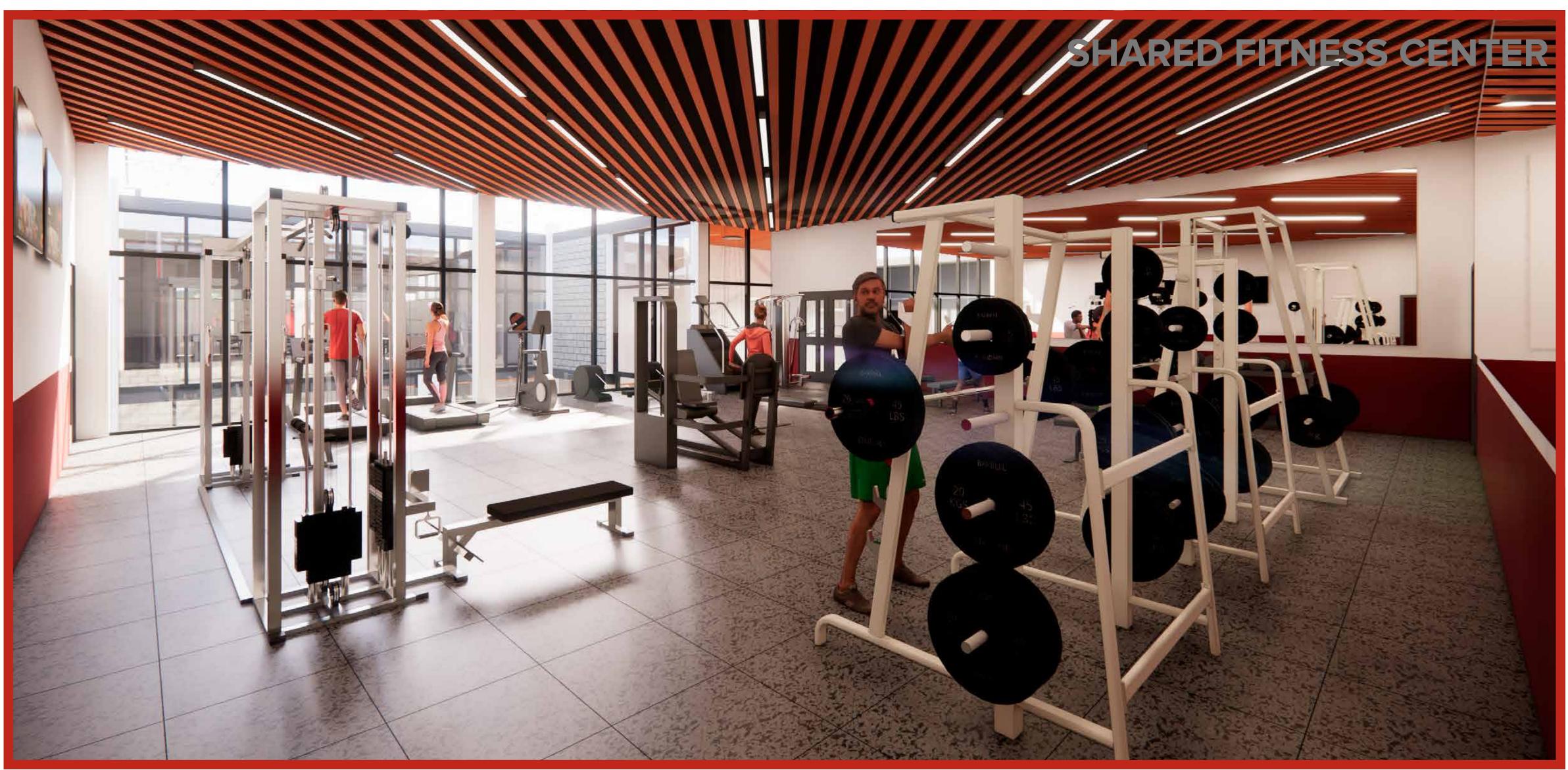




 $\bullet \bullet \bullet \bullet \bullet$ 



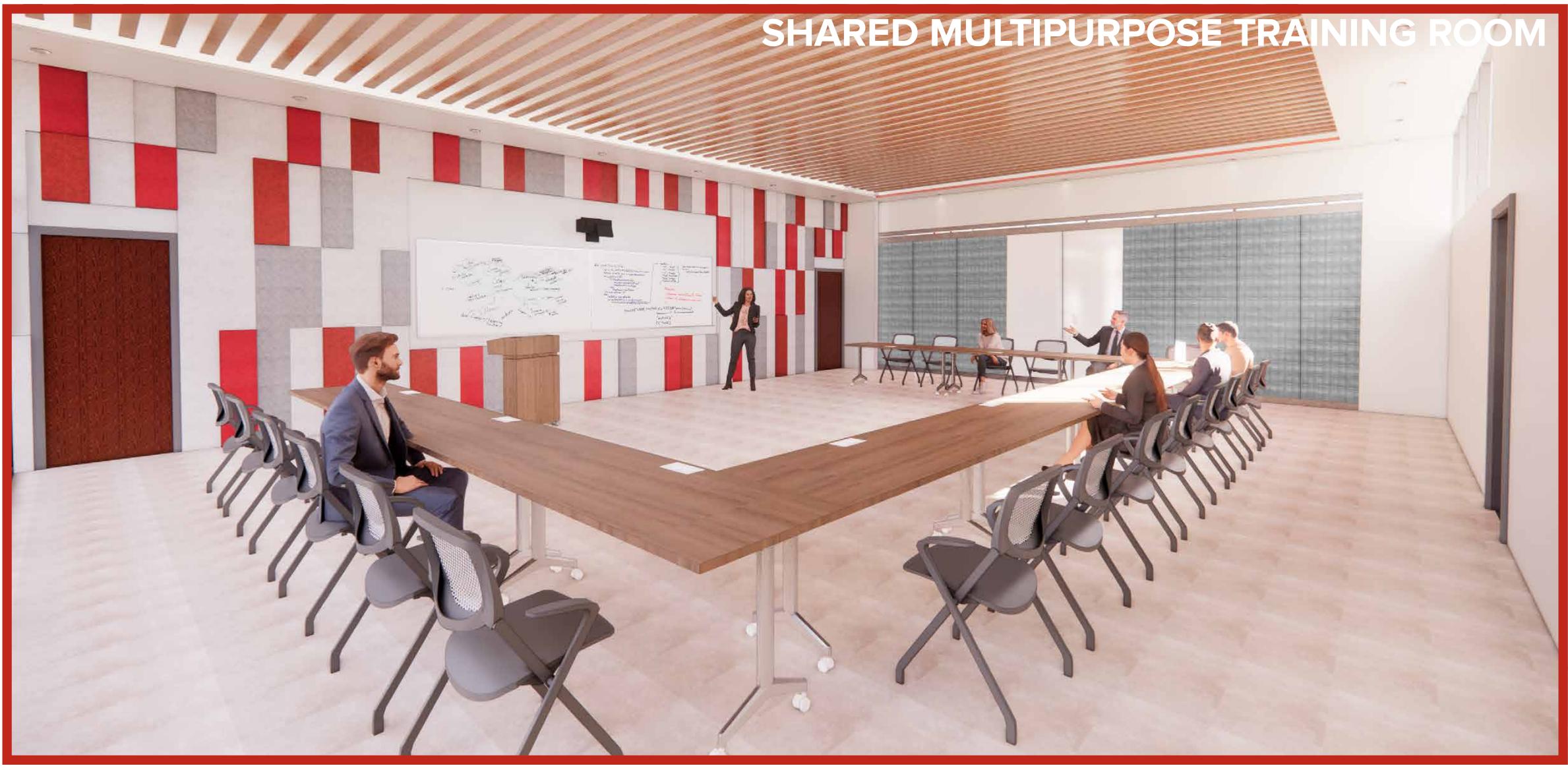




















 $\bullet \bullet \bullet \bullet$ 





## SOLUTIONS ARCHITECTURE | FRANK MESSINEO, AIA fm@solutions-arch.com | www.solutions-arch.com O: 973-484-4800 | C: 201-618-0606







