



Show Me The Evidence



**SHOW ME
THE**

EVIDENCE

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Course Description

Police departments and officers are increasingly faced with a mountain of evidence with new rules and regulations that impact their operations. New law enforcement trends and technology advances such as video evidence from body cameras must be addressed in facilities including editing suites for redaction and radio frequency (RF) protected rooms for electronic evidence are increasingly common place. The technology requirements for these spaces can be complex and require special detailed design. This panel discussion will focus on those latest trends and responses in police facility design. Current background in evidence management as well as the legislative and standards that apply to evidence handling will also be addressed. Specialists in evidence storage will provide case studies and approaches for efficiently handling the ever increasing volume of evidence. Finally, the panel will present innovative and efficient designs to address the critical issues.

Learning Objectives

1. Gain further understanding of new law enforcement trends, and technology advances and requirements that effect evidence design.
2. Learn features of evidence management, application of codes, and IAPE and CALEA standards.
3. How to collaborate with evidence managers to incorporate “best practices” into their designs and offer alternatives and innovative solutions.
4. Hear lessons learned on features required to design secure and efficient solutions in property management from programming to construction.

INSPIRATION



12 TRENDS IN EVIDENCE STORAGE & MANAGEMENT





**EXPERT
WITNESS**

**SHOW ME
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EVIDENCE

ARCHITECT

PUBLIC SAFETY PRINCIPAL



Steve Loomis, FAIA LEED AP
AECOM Norfolk, Virginia

- Over 75 Public Safety projects
- Dedicated Public Safety Principal
- 25+ years with AECOM
- More than 40 Police Facilities
- APCO Member

ARCHITECT
EMERGING PROFESSIONAL



Brittany Raffin, AIA, NCARB
AECOM Norfolk, Virginia

- Registered Architect
- In AECOM's Justice and Public Safety Studio
- 9 years Experienced in Master planning, Programming and Planning, Construction Documents, and Construction Administration

**EVIDENCE STORAGE
EXPERT**



Gretchen R. Thiessen

Patterson Pope, Cincinnati, Ohio

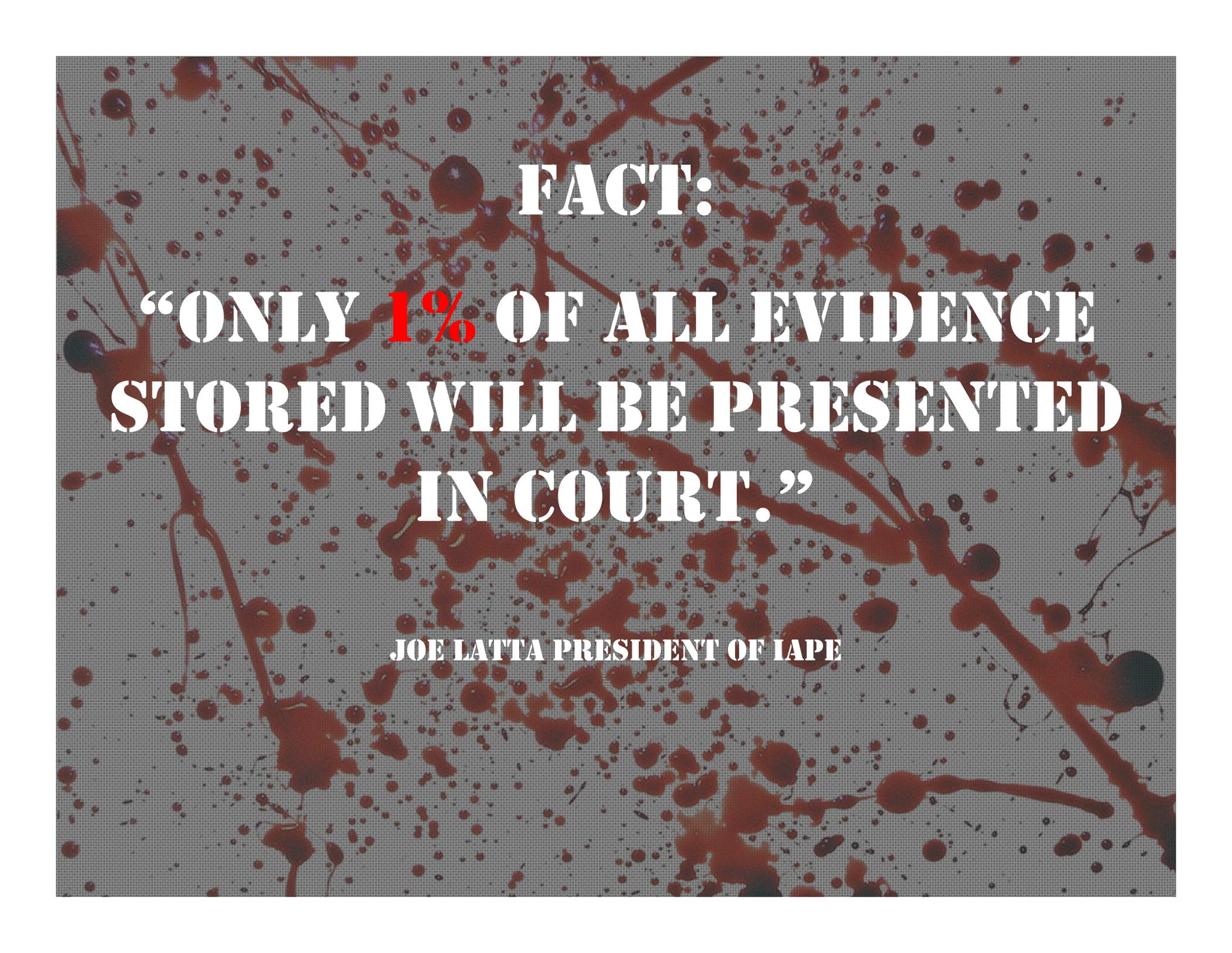
- Interior Design Degree
- 35 year business development experience
- Spacesaver representatives have formal training in evidence storage and management and apply their expertise to provide regulation compliant solutions to achieve accreditation.

TRENDS

**SHOW ME
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EVIDENCE





FACT:

**“ONLY 1% OF ALL EVIDENCE
STORED WILL BE PRESENTED
IN COURT.”**

JOE LATTA PRESIDENT OF IAPE

CALEA®

THE GOLD STANDARD IN PUBLIC SAFETY



Commission on Accreditation of Law Enforcement Agencies Chapter 84 Property and Evidence Control

- *Security and Control of seized, recovered, and evidentiary property as well as abandoned, lost, or found property in the custody of the agency.*
- *Maintain Strict measures for the receipt, handling, security, and disposition of property.*
- *Purpose:*
 1. *Support investigations*
 2. *Facilitate timely returns of property*
 3. *Establish agency reputation*

Ex: During an audit associated with (high risk) property an error rate exceeding four percent will require a full inventory of these items. (84.1.6)



International Association of Property and Evidence (IAPE)

Section 1 – 4 : Staff, Policies, Procedures, Packaging + Documentation.

Section 5 – Storage Facility

Section 6 – Temporary Storage Facilities

Section 7 – Long Term Storage Locations

Section 8-11 – Security and Protocol at handling specialty evidence.

Section 5

1. Exterior and Interior Wall Construction
2. Doors and Window Requirements
3. Ventilation and Ideal Environment



Security

Exterior Perimeter Security

Electronic Monitoring at Exits

- *Cameras*
- *Intrusion Detection*

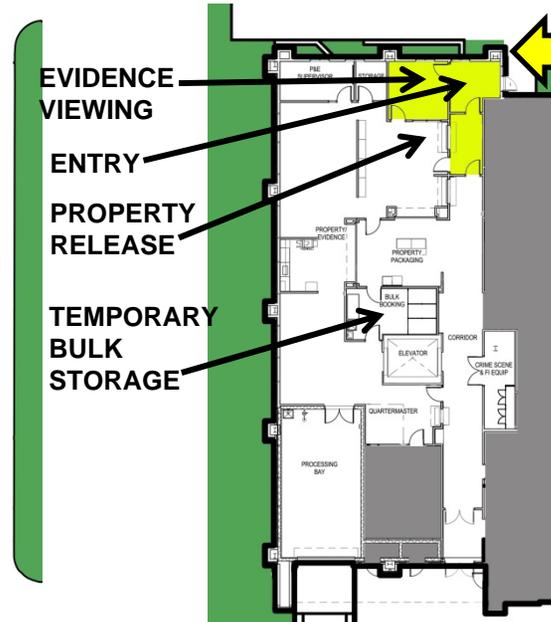
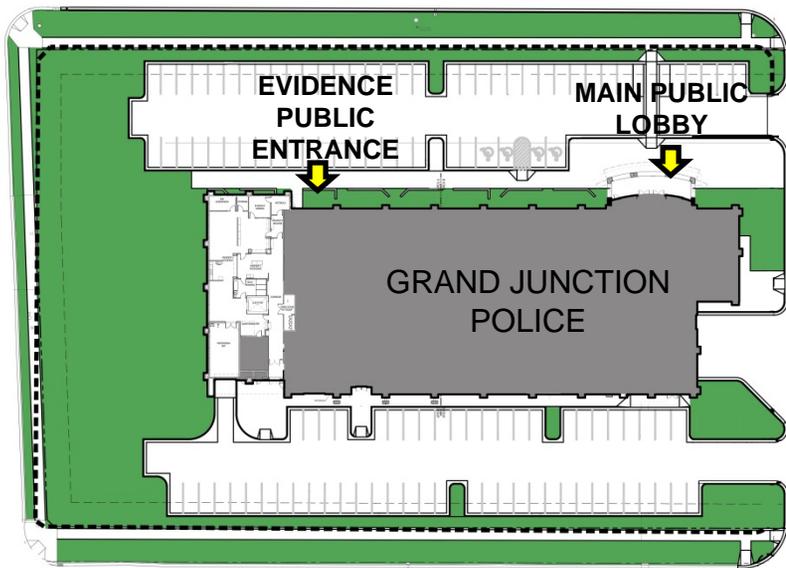
Limited and controlled Access

- *Double Locks*

Emergency Back-up Power

Concrete Masonry Walls extended to Structure

Miami College of Policing



Public Interface

Separate than Staff and Police Entry

Convenient access to public Parking



Lobby

- Service Counter
- Pick up
- Evidence Viewing

Grand Junction

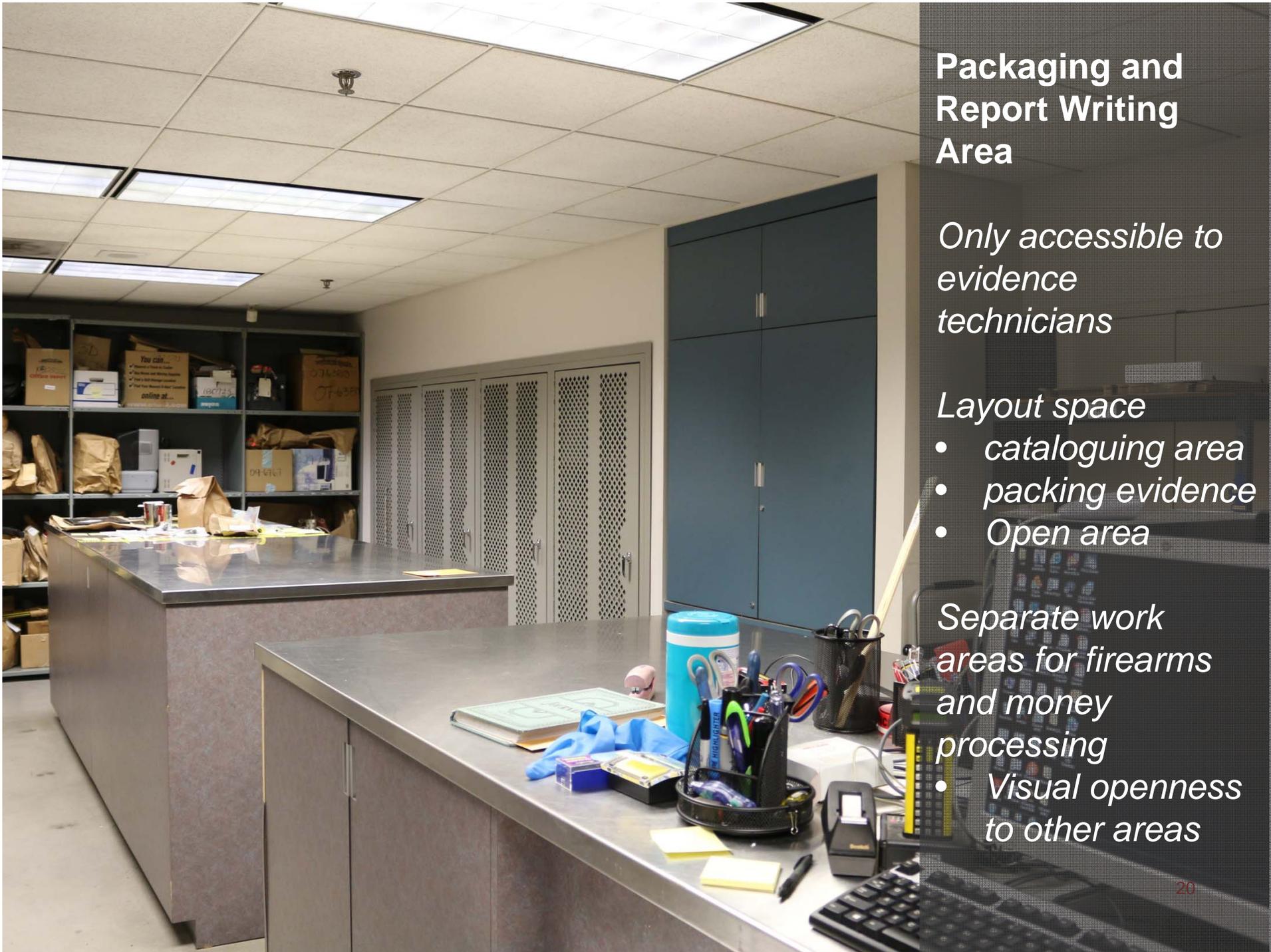




Staff Interface

*Separate than
Public Access*

- *Service Counter*
- *Bag and Tag*
- *Varying Lockers*
- *Temporary Bulk Evidence Storage*
- *DNA and Biological Evidence Storage*
- *Security Camera*



Packaging and Report Writing Area

Only accessible to evidence technicians

Layout space

- *cataloguing area*
- *packing evidence*
- *Open area*

Separate work areas for firearms and money processing

- *Visual openness to other areas*



Evidence Storage

Large Open Space

Efficient Storage Systems

- High Density

Separate Storage

- *Weapons*
- *Drugs*
- *High Value*
- *Biological Evidence*
(Refrigerated)

Drug Storage

- *Separate Air Handlers and exhaust*



Destruction and Purging

Adjacent to storage areas and loading dock

Secured Property waiting for removal.

- Auction
- Destruction



<http://www.thegunbusters.com/>

-Documented destruction of weapons for police departments



<https://www.propertyroom.com/>

-Works with 3,000 Law Enforcement Agencies and Municipalities

Found Property *Bike Storage*



**EVIDENCE
MANAGEMENT**

**SHOW ME
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EVIDENCE

**“THERE IS NO SUCH THING AS
A STORAGE PROBLEM ONLY A
STORAGE MANAGEMENT
PROBLEM.”**

JOE LATTA PRESIDENT OF IAPE

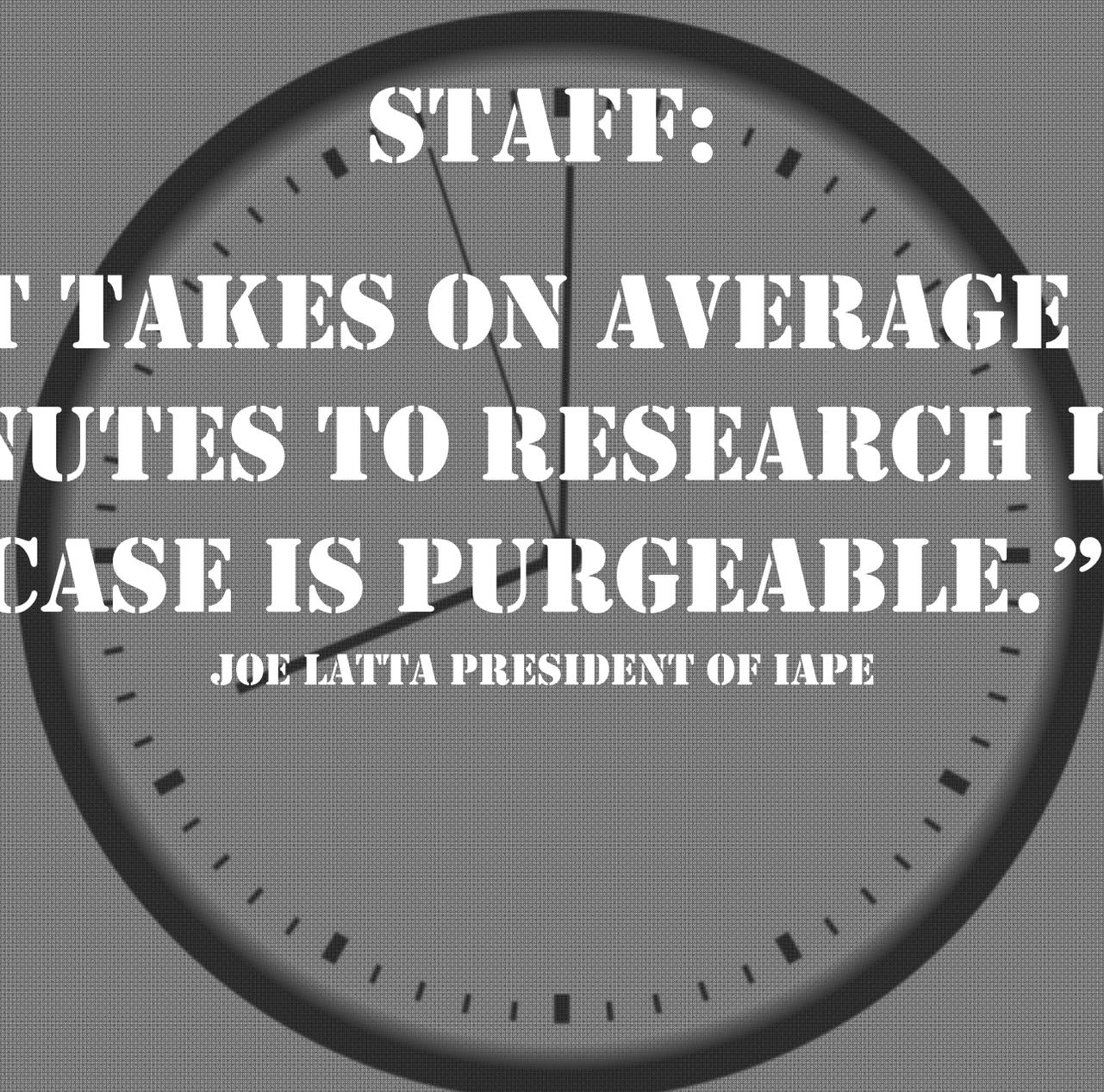


PURGING RATIO: KNOW YOUR STATUTE OF LIMITATIONS!



THEFT
STATUTE OF LIMITATIONS:
CALIFORNIA
1 TO 3 YEARS





STAFF:

**“IT TAKES ON AVERAGE 30
MINUTES TO RESEARCH IF A
CASE IS PURGEABLE.”**

JOE LATTA PRESIDENT OF IAPE

SECURITY MEASURES:

PUBLIC PROPERTY RELEASE



PROPERTY ROOM GUN STORAGE



DIGITAL EVIDENCE:

EVERYTHING IS GOING TO THE CLOUD.



SCIENTIFIC ADVANCES:

CSI EFFECT

- **DNA Advances**
 - **Re-examining Cold Cases**
 - **Fingerprint – Not perfect science.**
 - **False positive rate could be as high as 1 error in 306**
 - Report on Forensic Science in Criminal Courts: Ensuring Scientific Validity of Feature-Comparison Methods 9-10 (PCAST 2016)cases
- **Not Admissible**
 - **Bite Marks**
 - **Hair Matching**



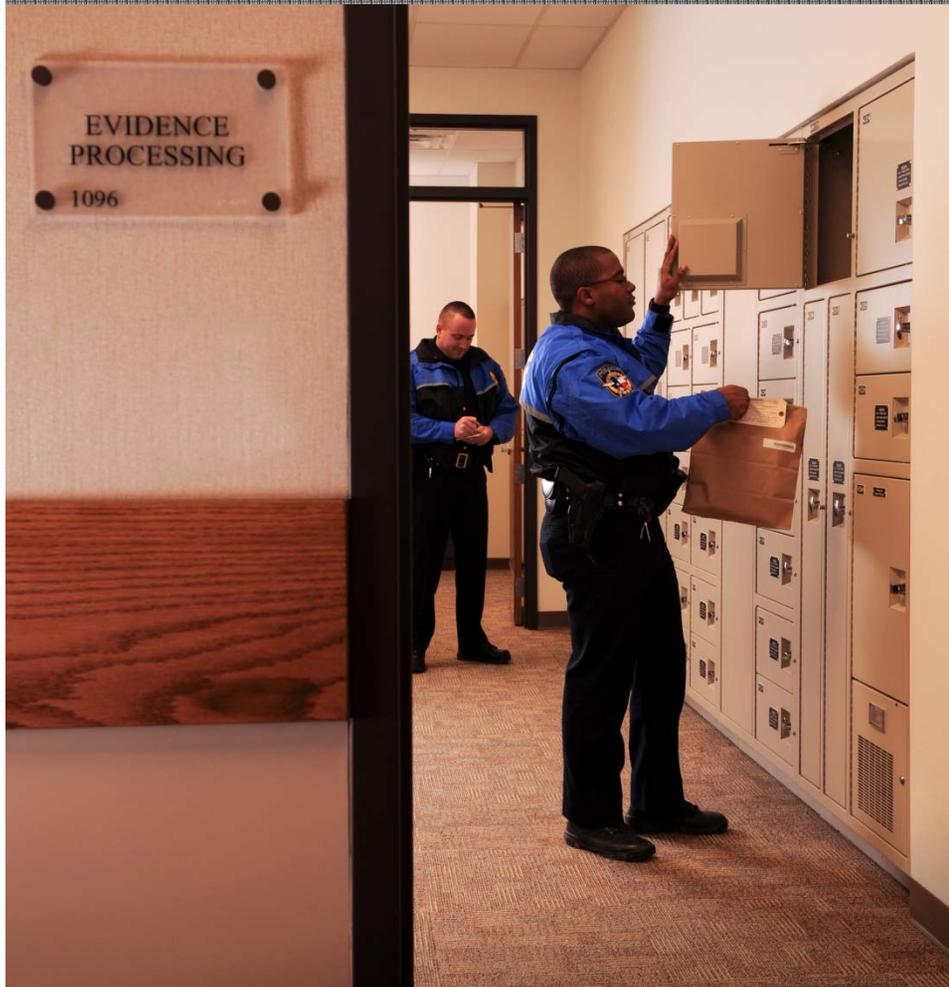
**STORAGE
SOLUTIONS**

**SHOW ME
THE**

EVIDENCE

ACCOUNTABILITY

For a clear, confident chain of custody.



TEMPORARY EVIDENCE STORAGE EVIDENCE DEPOSIT AND RETRIEVAL

“Must Maintain Secure Chain of Custody.”



Pass-through locker

LONG-TERM EVIDENCE STORAGE

“Space is often an issue, so many facilities use space-saving solutions.”



High-Density Shelving



High-Bay Shelving



High-Density Pallet Racking



Suspended Shelving

SENSITIVE EVIDENCE STORAGE



Weapons



Security



Short-term
Biological Evidence



Drugs



Long-term Biological Evidence



Determining Space Needs:

- Think about ideal workflows and adjacencies
- Inventory current evidence storage needs
 - Temporary
 - Long term
- Best estimate for future needs based on past experience and growth projections



**CASE
FILES**

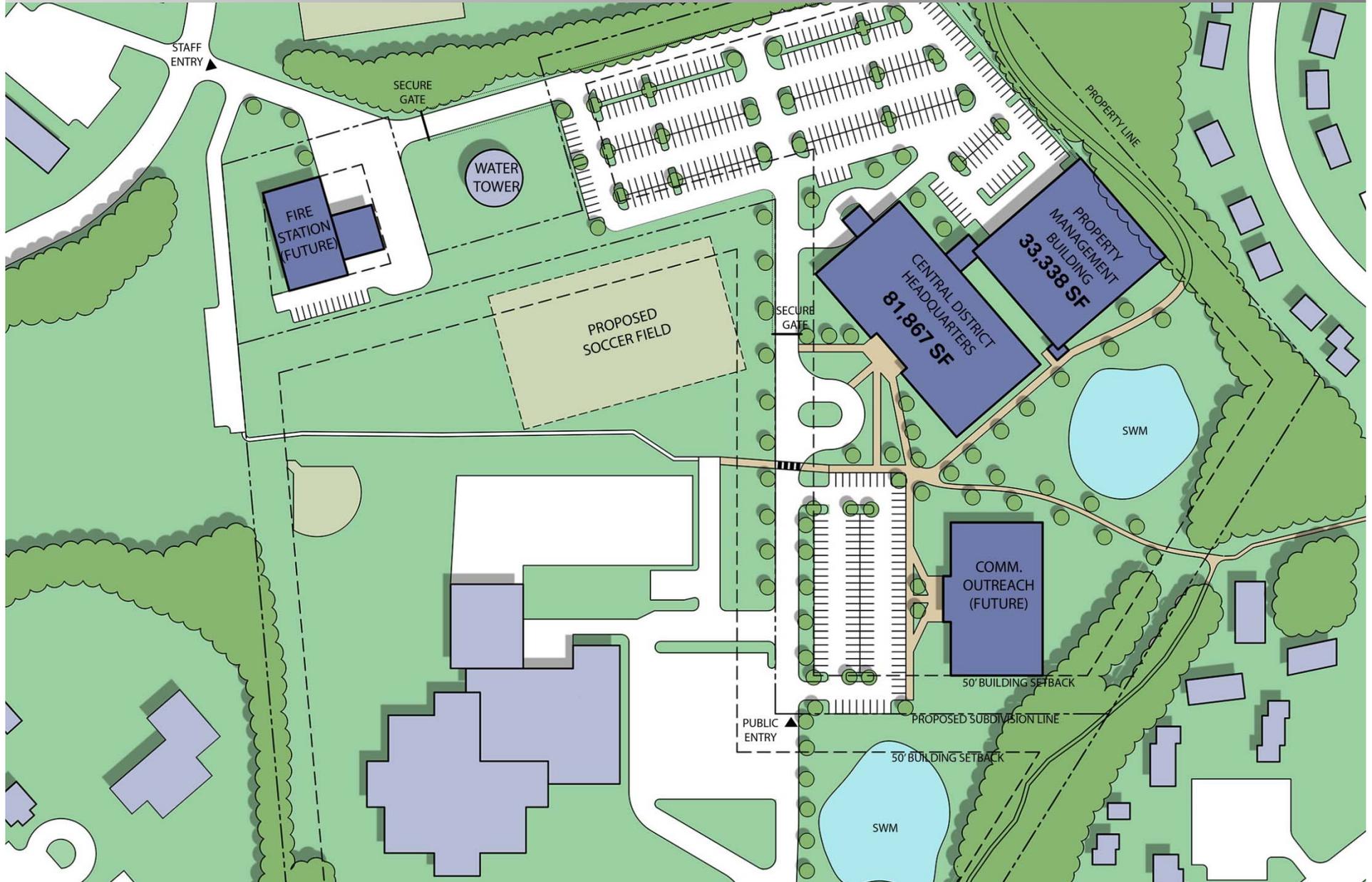
**SHOW ME
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EVIDENCE

Howard County Police Headquarters

Howard County, MD

Status: Study Completed Early 2017

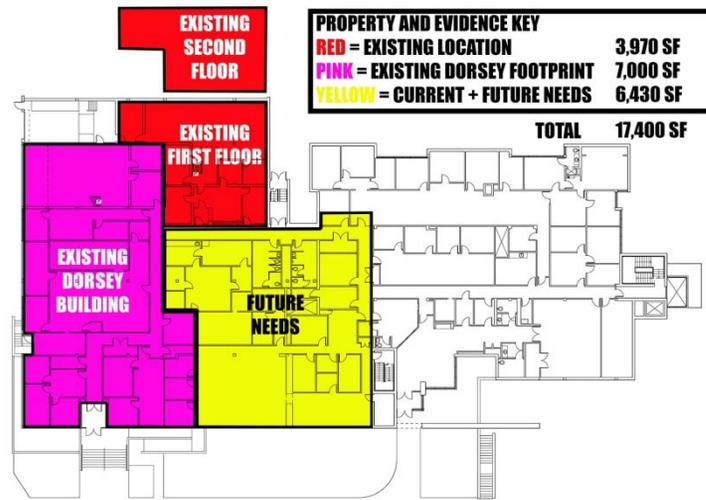
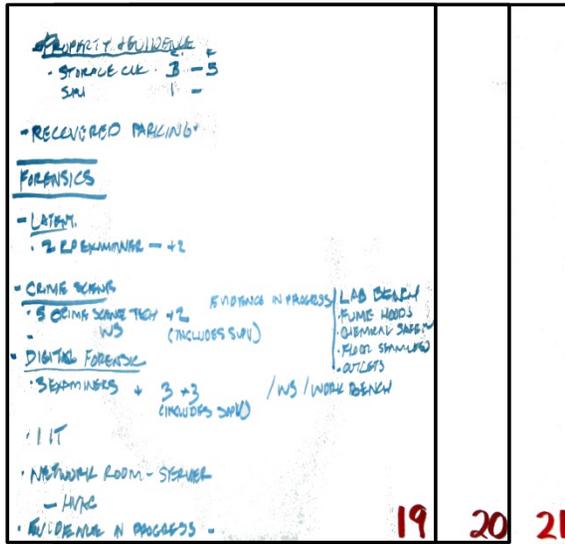




Existing Property and Evidence Evaluation

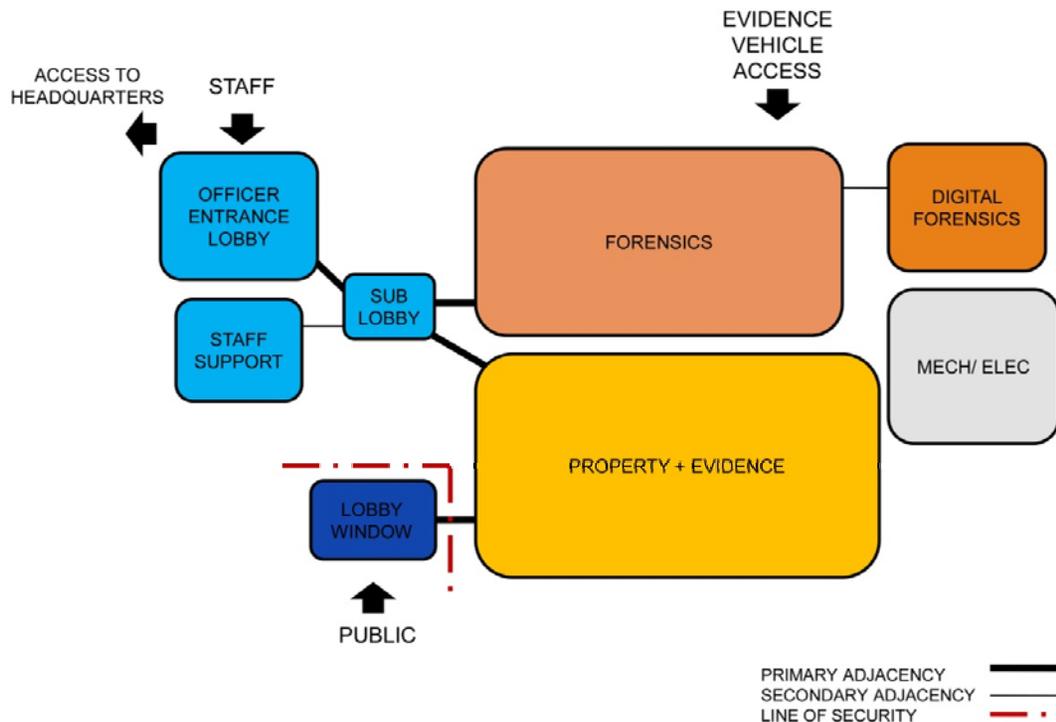
- *Location*
- *Secure Delivery*
- *Flexibility of Space*
- *Officer Processing*
- *Outdoor Evidence Storage*
- *Space Growth Needs*
- *Proximity to Forensics*





Interviews with Officers and Personal

- Needs
- Concerns
- Growth
- Code Compliance
- Preferred Space Adjacency





Field Trips with Clients

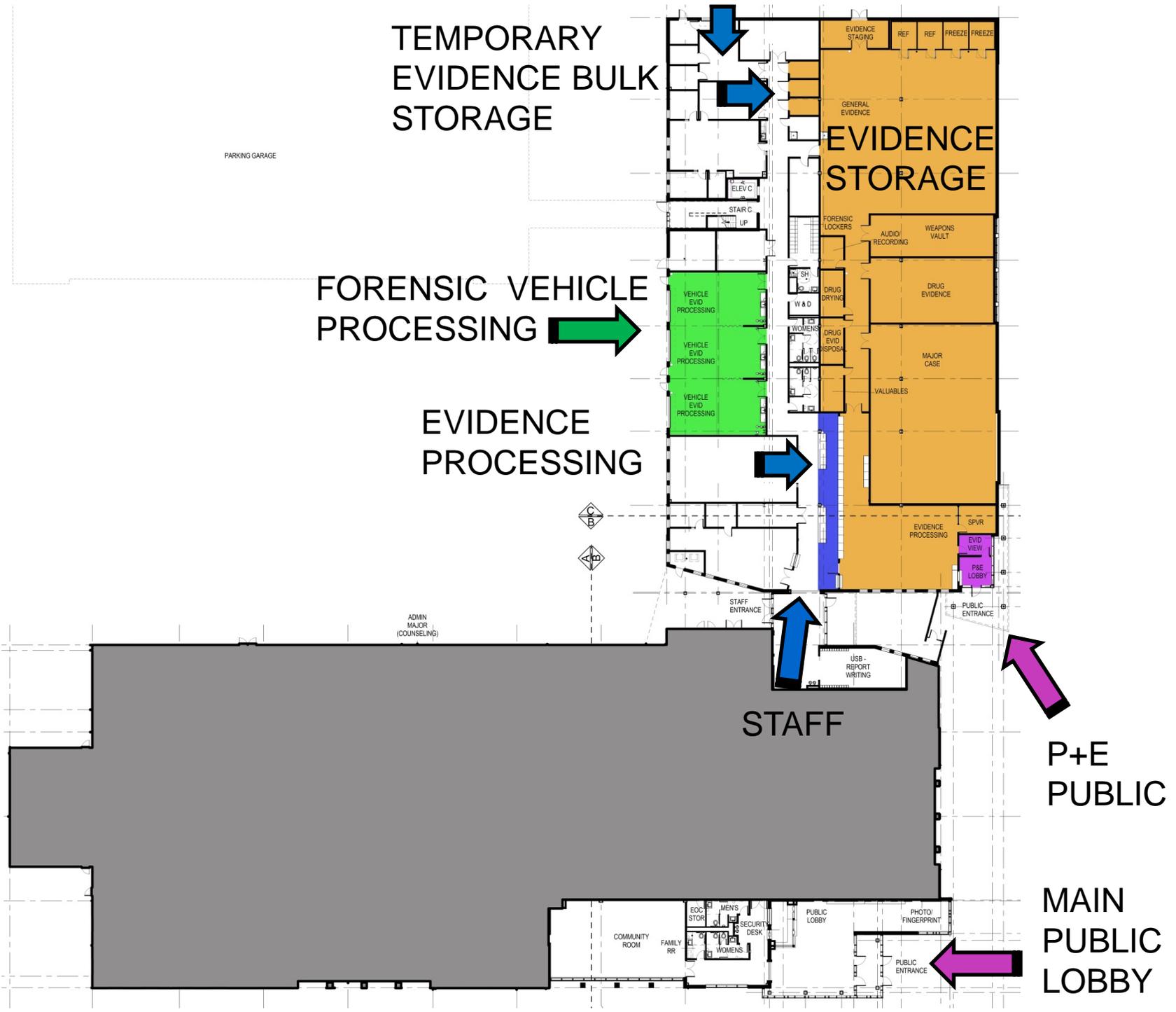
- *Similar size facilities.*
- *Officers interview officers.*
- *Seeing is believing.*

Saint Petersburg Police Station

Saint Petersburg, Florida

Status: In Construction





TEMPORARY
EVIDENCE BULK
STORAGE

FORENSIC VEHICLE
PROCESSING

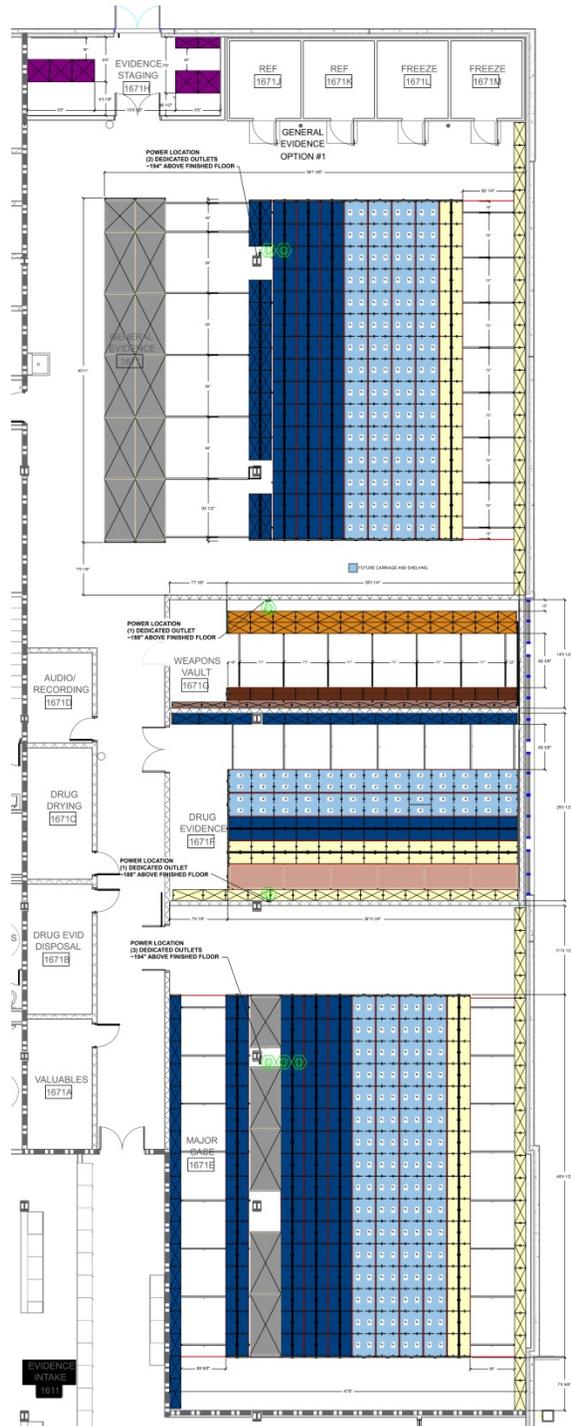
EVIDENCE
PROCESSING

STAFF

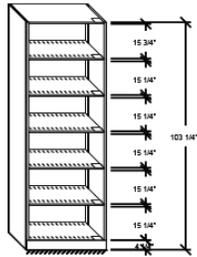
EVIDENCE
STORAGE

P+E
PUBLIC

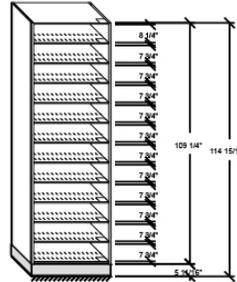
MAIN
PUBLIC
LOBBY



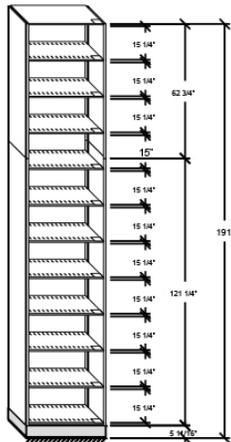
EVIDENCE STAGING SHELVING ELEVATION
30" WIDE X 18" DEEP PER SIDE



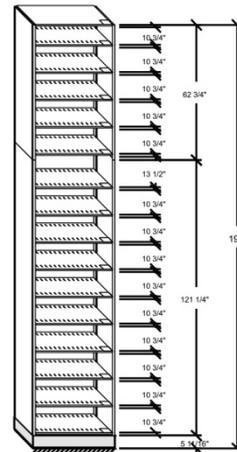
MOBILE HANDGUN STORAGE SHELVING ELEVATION
30"-36" WIDE X 10" DEEP PER SIDE



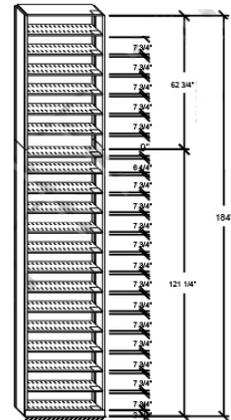
LARGE TOTE STORAGE SHELVING ELEVATION
30"-36" WIDE X 18" DEEP



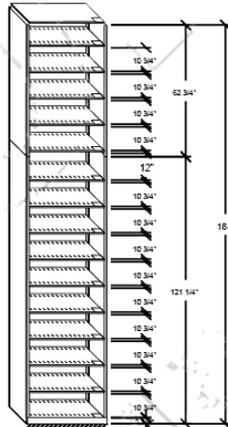
SMALL TOTE STORAGE SHELVING ELEVATION
36" WIDE X 18" DEEP



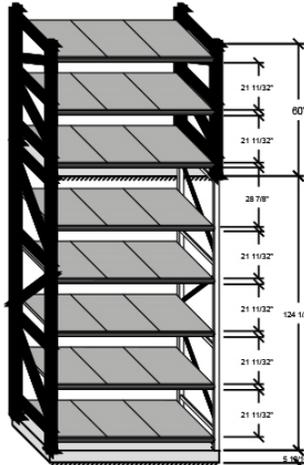
STATIC HANDGUN STORAGE SHELVING ELEVATION
36"-48" WIDE X 10" DEEP



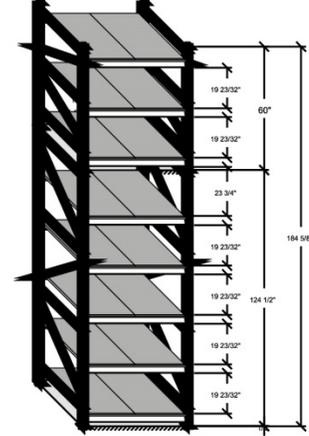
LONG GUN STORAGE SHELVING ELEVATION
30"-36" WIDE X 36" TOTAL DEPTH



MOBILE BULK STORAGE SHELVING ELEVATION
72"-84" WIDE X 48" DEEP



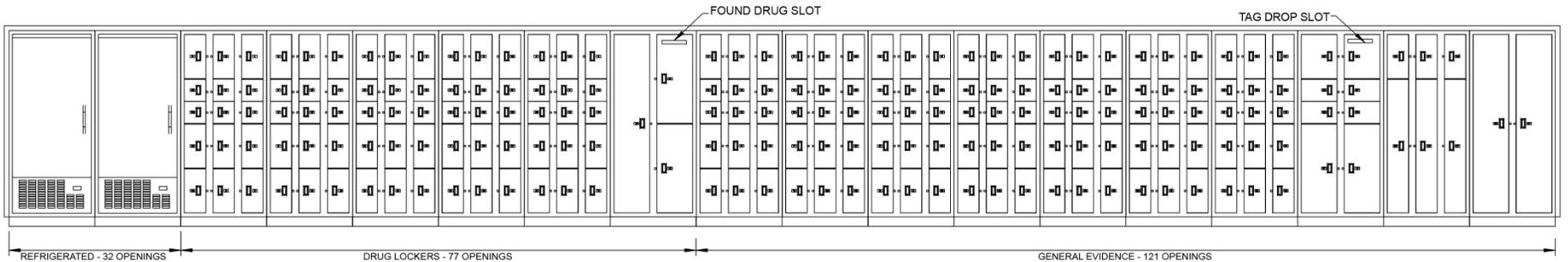
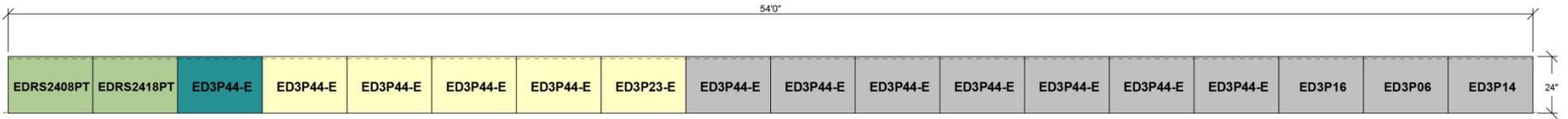
STATIC HEAVY DUTY STORAGE SHELVING ELEVATION
48"-66" WIDE X 48" DEEP



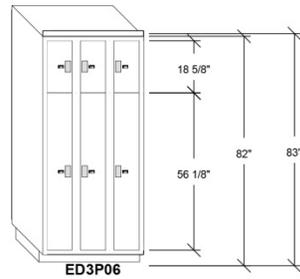
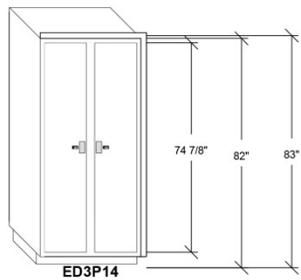
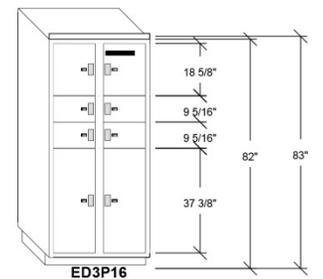
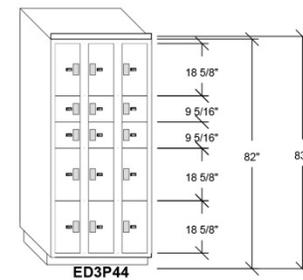
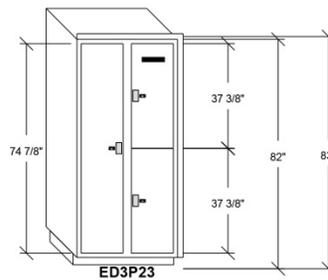
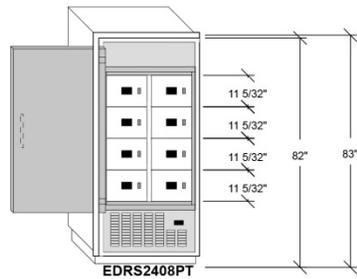
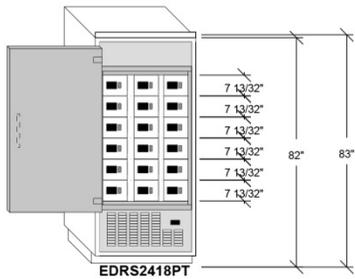
STORAGE TYPES

Patterson Pope/ Spacesaver

- Shelving diversity
- Types to match need



FRONT ELEVATION



- REFRIGERATED EVIDENCE LOCKERS - PASSTHROUGH
- DRUG STORAGE EVIDENCE LOCKER - PASSTHROUGH - BOTTOM THREE COMPARTMENTS NON-PASSTHROUGH W/ DIGI LOCKS - CANINE TRAINING
- DRUG STORAGE EVIDENCE LOCKERS - PASSTHROUGH W/ TWO KEY LOCKS
- GENERAL EVIDENCE LOCKERS - PASSTHROUGH

Newport News Police Headquarters

Newport News, VA

Status: Built 2006





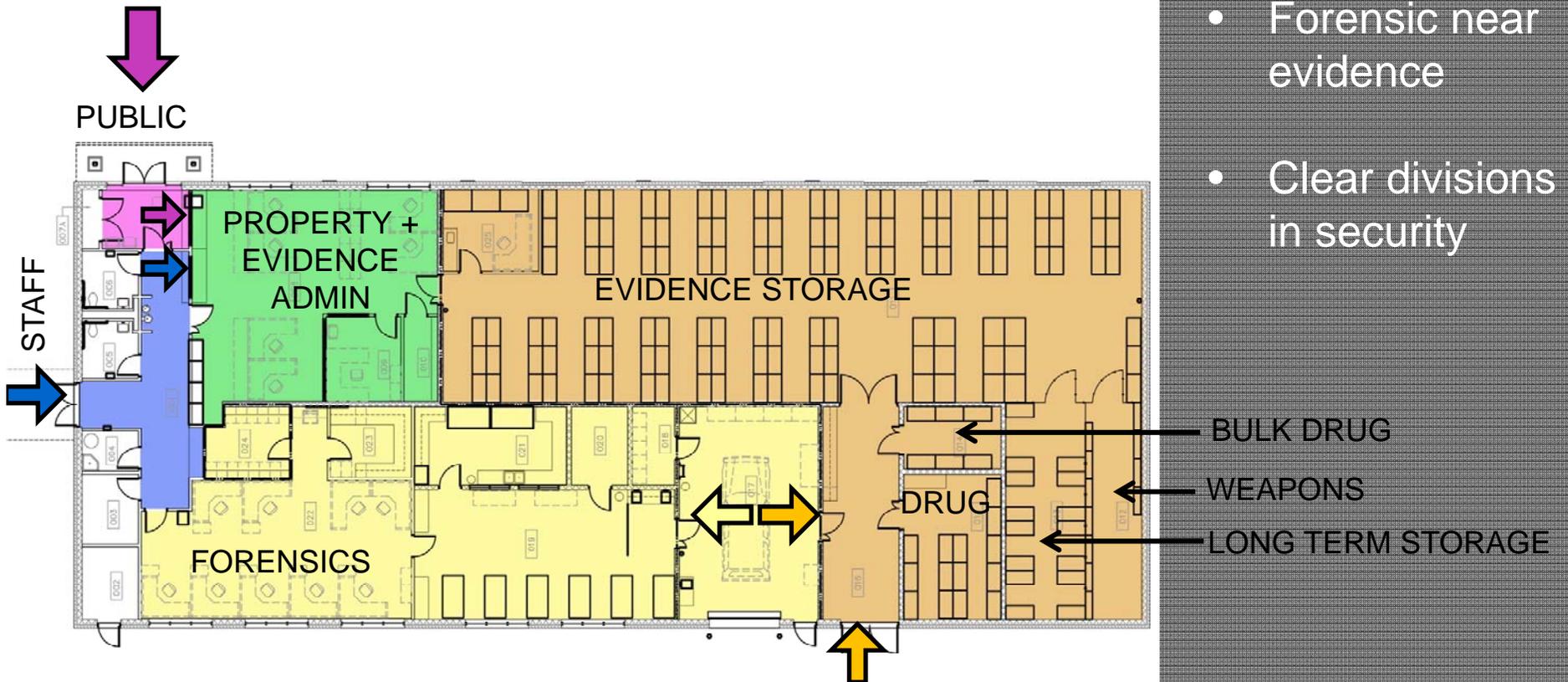
Exterior

- Separate Building for Property and Evidence
- Public Entrance separated from Staff Entrance
- Public Entrance near public parking
- Room for expansion in future



Interior

- Public Service Counter separate from staff service counter
- Forensic near evidence
- Clear divisions in security





Main Evidence Room

- Organized
- Efficient
- Even Lighting
- Inexpensive



**LESSONS
LEARNED**

**SHOW ME
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EVIDENCE

ARCHITECT PERSPECTIVE

1. Separate and New building is preferred.
 - Cheaper building type
 - Removes threat and risk to Main Police Station
 - Located near Forensics Lab
 - Design with Chain of Custody in Mind
2. Design for flexibility
 - Expansion
 - Long term goals.
3. Operational Management
4. Avoid water above evidence. (Multi-story)

EVIDENCE TRENDS

1. Off-Site Evidence Storage Warehouses
2. Regionalization of Small Departments
3. Body Camera Data
4. Digital Evidence
5. Marijuana Legalized
6. High Hazard Drugs
7. Statue of limitation: On Going Purge.

STORAGE SPECIALIST PERSPECTIVE

Our clients say it best!

“I think the most important thing about evidence and other storage is to not categorize them in the furniture-fixtures and equipment side of the project. Identify your vendor at the beginning of the design process and design the building alongside the storage solutions. Don't rely upon those bids to come in on a furniture-fixture and equipment side later, to where it looks like an afterthought.”

– Jeff Grubbs, Police Chief in Carbondale, IL



QUESTIONS

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EVIDENCE

Works Cited

CALEA

IAPE - International Association For Property & Evidence Inc.
<http://www.iape.org/>

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Latta (Ret.), Joseph T., and Gordon A. Bowers (Ret.). *Property and Evidence By the Book*. 2nd ed., Joseph T. Latta President, Evidence Control Systems, Inc. , 2011.

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