

# **Physical Security Update Briefing for University Information Technology Committee**

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**November 29, 2021**



# Building 429 Ribbon Cutting – March 1, 2021



# Building 429 Renovation

Main Lobby

Before



After



Conference Room

Before



After



# Building 429 Renovation

## Back Offices

Before



After



## Restrooms

Before



After



# Building 429 Renovation

## Cubicles

Before

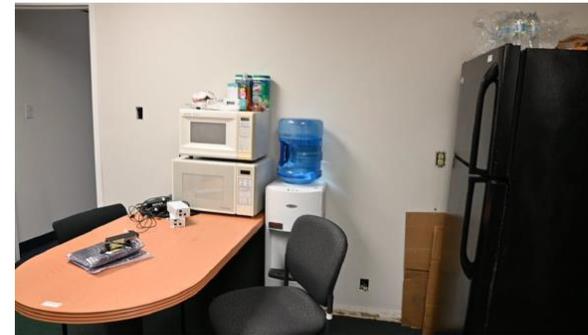


After



## Kitchen/Break Area

Before



After



# Building 429 Renovation

Back Hall

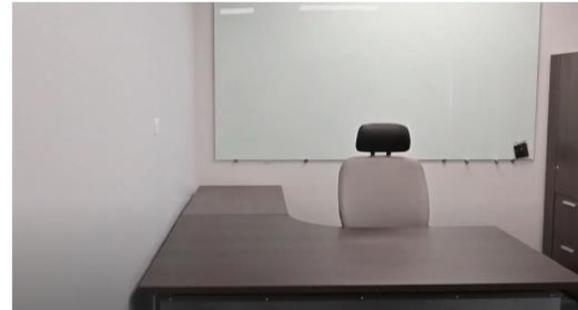
Before



After



New Offices



# Project Updates

# MP 05859 - License Plate Recognition/Reader (LPR) Cameras

- To cover perimeter of main campus
- Early detection of stolen vehicles/vehicles of interest
- Phase 1 completed October 2020
- Used widely in Florida and the US
  - Gainesville Police and Alachua County Sheriff
  - FSU, UNF, FAU and UCF
- Force Multiplier for Law Enforcement
  - Investigations
  - Real-Time Alerts
  - Data Sharing



# Campus Security - License Plate Reader (LPR)

## Successes within Six Months of Implementation

UF LPRs identified vehicles in two hit and run fatalities

December 9, 2020 - 18-year old UF Student Margaret Paxton who was killed on University in front of the stadium near Alumni Hall

March 27, 2021, at approximately 12:47AM, an Alachua County Sheriff's Office Deputy located a hit and run crash that killed a bicyclist.

Gainesville Police used UF LPR to:

Solve or impact 36 cases, including 18 stolen vehicles, 2 burglaries, 1 carjacking, 3 business robberies.

GPD has had 7 fixed LPR cams come online in the last few month and ASO has same LPR technology.

# LPR Technology Deployed



Location #13 - Installation near VetMed intersection (SW 16th Ave - Shealy Dr)  
Cameras and enclosures on three poles

# LPR Trailers

## Purchased three trailers for UF Police:

Two LPR Cameras

Message Board

Speed Detection

Telescoping PTZ Security Camera

Solar/Battery Powered

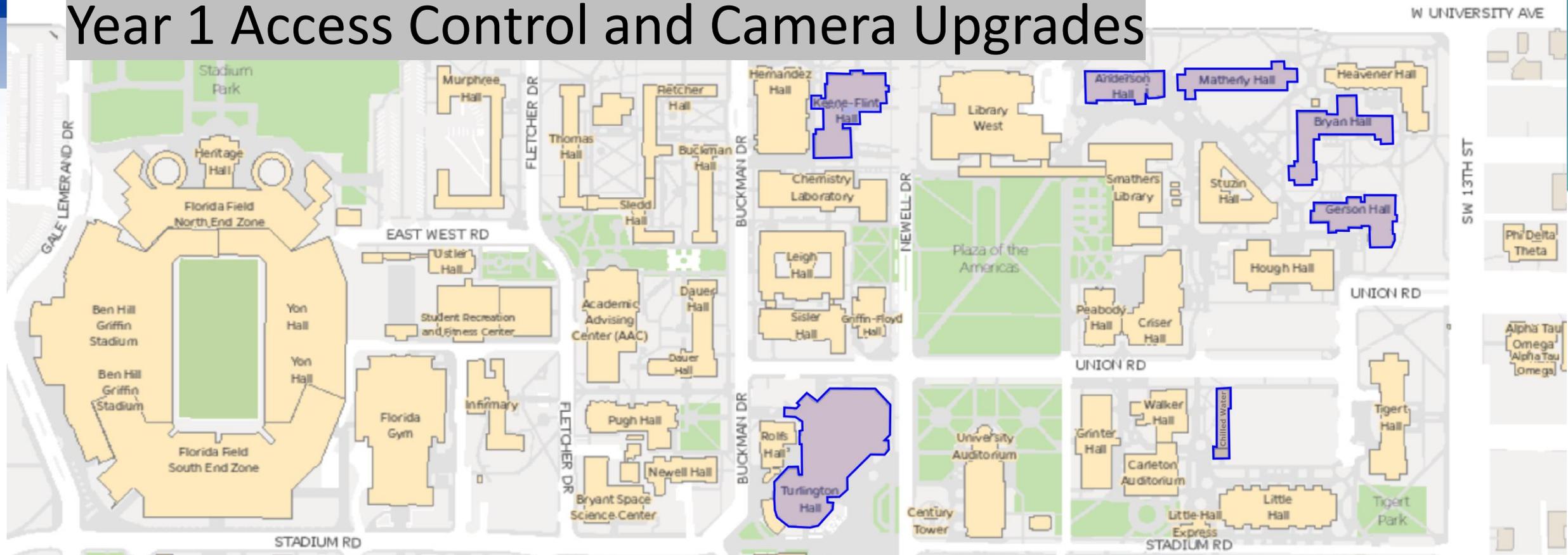


# Campus Cameras and Blue Light Phones

- New Standard for Emergency Blue Light Phones
- Integrated Security Camera
- Fraternity Row has these 4 new stanchions
  - Integrated Cameras
  - Live View from Police Dispatch when call is made

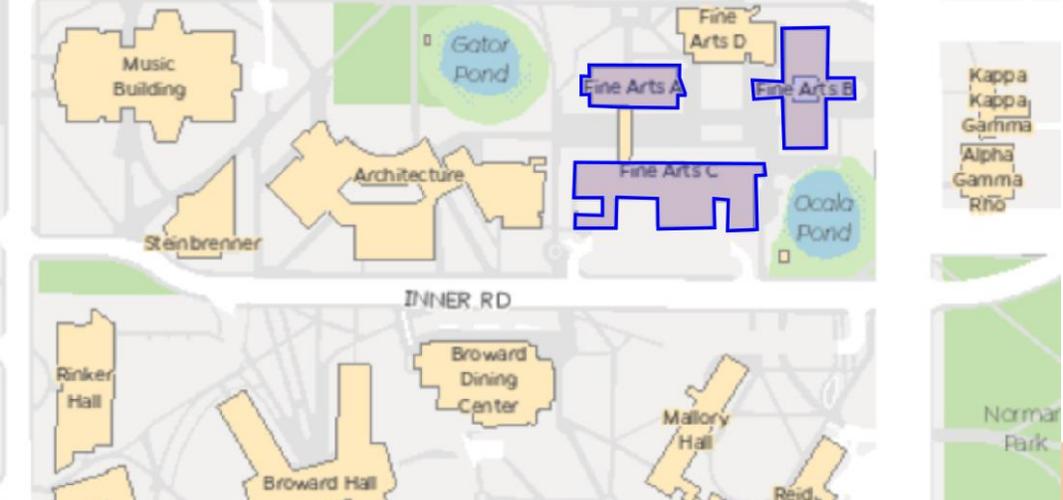


# Year 1 Access Control and Camera Upgrades



Potential Buildings - Phase 1 (Perimeter Access Control)

BLDG	NAME	BLDG AGE	BUDGET ENTITY	Difficulty
0006	Nathan P. Bryan Hall	105	E&G	Moderate
0007	James N. Anderson Hall	106	E&G	Easy
0008	Keene-Flint Hall	109	E&G	Difficult
0049	Walker Hall Chilled Water Plant (CWP3)	42	E&G	Easy
0054	Gerson Hall	16	E&G	Easy
0267	Ralph D. Turlington Hall	42	E&G	Difficult
0406	Walter J. Matherly Hall	65	E&G	Easy
0597	Fine Arts A	55	E&G	Easy
0598	Fine Arts B	55	E&G	Easy
0599	Fine Arts C	55	E&G	Easy



# Access Control Upgrades

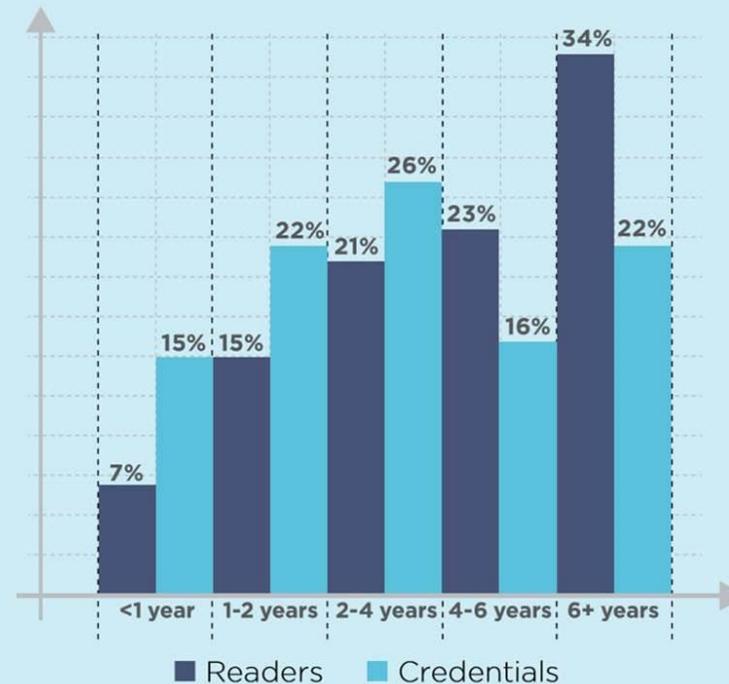
- New Gator1 ID Card
- Using more secure technology
- Replacing older card readers
- Standardizing the card and reader
  - Future Capability for Bluetooth or BLE
- Planning with BATS, Gator1 Card Office
  - Administration funded replacement of faculty and staff cards
  - Business Services/Gator1 Card Office replacing student cards

BA Provided One-Time Funding to Upgrade Card Readers on Legacy Buildings	Budget	Actual	Difference
Request for Card Reader Replacement (2700 readers on 116 buildings)	\$503,648	\$0.00	\$503,648.00
New ID Cards for all Faculty/Staff to support readers (26,000 cards)	\$110,500	\$0.00	\$110,500.00
New ID Cards for all Students to support readers (55,000 cards)	\$233,750	\$0.00	\$233,750.00
Business Services will provide funds for 55,000 Student ID cards	(\$233,750)	\$0.00	(\$233,750.00)
<b>One-Time Funding Sub Total</b>	<b>\$614,148</b>	<b>\$0</b>	<b>\$614,148</b>

## Which credential technologies does your campus support for physical access control?



## How old are the following components of your current access control system?



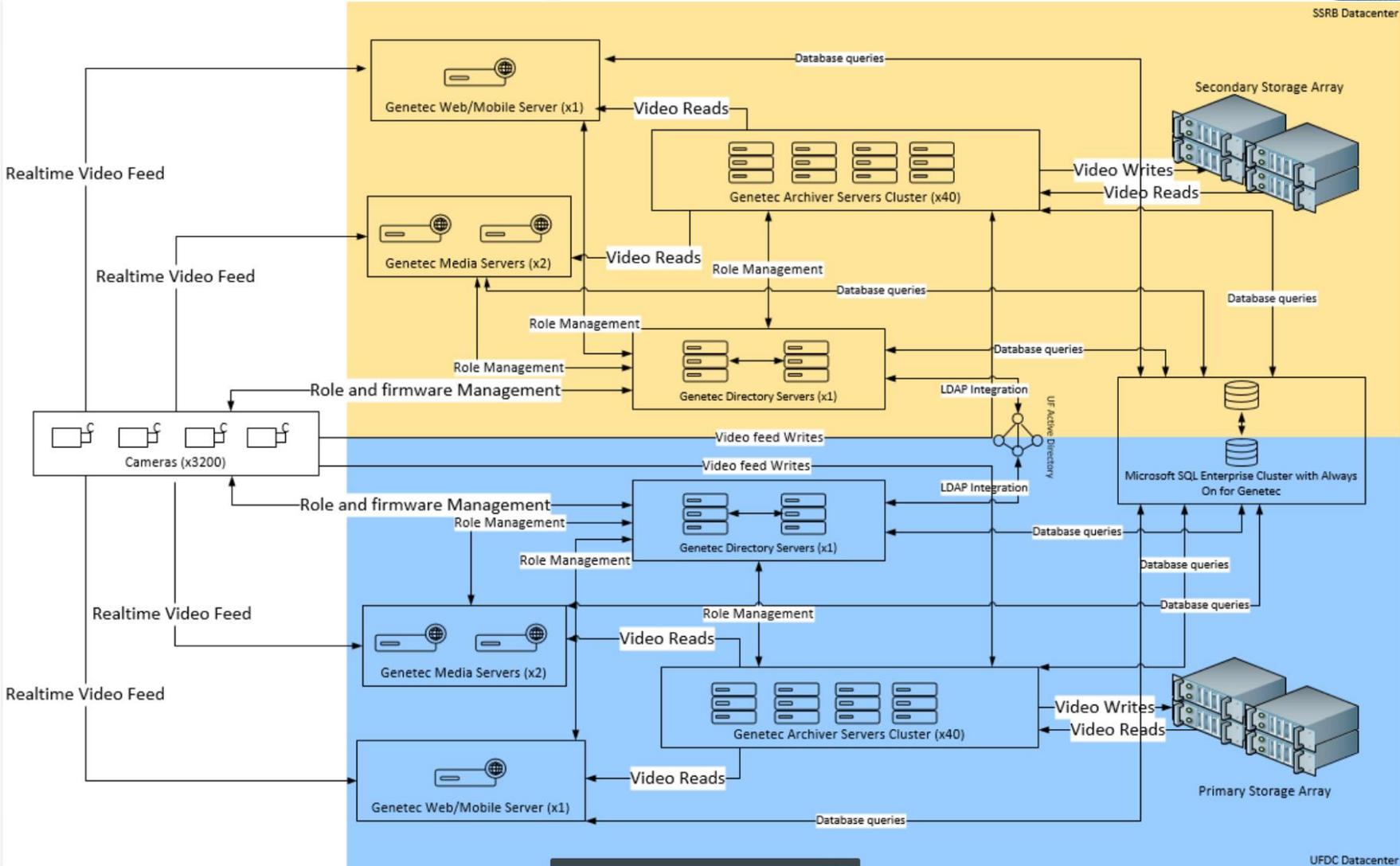
(Source: TECHNOLOGY REPORT: Access Control in Higher Education)

# Security Cameras and Storage

- Security Camera Storage – Full Year of Planning and Implementation
  - Recordings managed by Genetec Video Management Software
  - Centralize storage
  - Meet minimum 30-day required retention
  - Partnership with IT on solution and implementation
- Security cameras
  - Adding now that infrastructure is established
  - On all building perimeters and entrances
  - Integrate through software to Access Control Systems
  - Make accessible to UF Police
  - Working with Facilities to coordinate
    - Tree trimming
    - Lighting

# New Camera Server Storage

- Primary
  - East Campus Data Center
- Backup
  - SSRB



# New Camera Server Storage

30FPS/30 FPS 30days/30 days retention (4.5 PB)



Compute



Storage

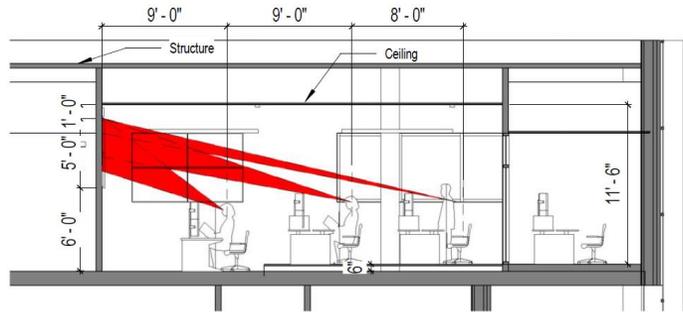
- Room for 3,200 Five MP cameras
- Current UF Count 1,300
- Migrated 600 cameras
- Moving ~250 Housing Cameras



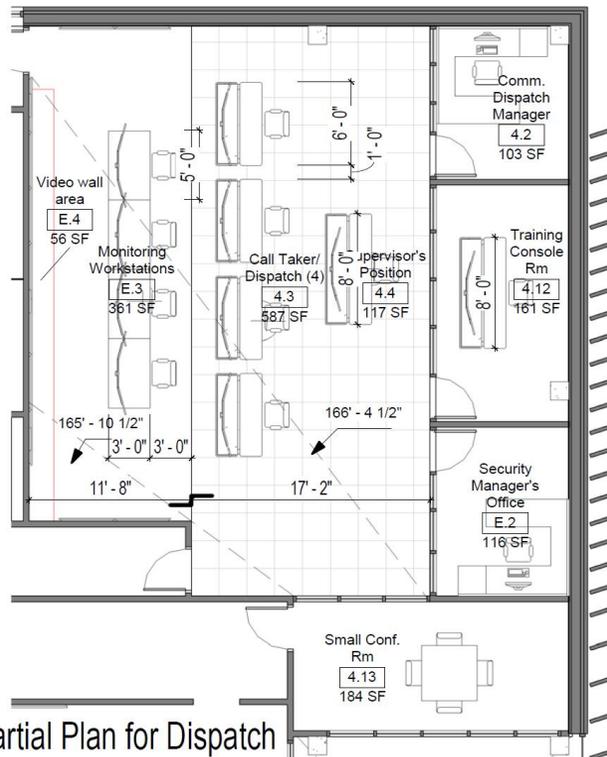
# Public Safety Complex at UF



# Integrated Dispatch and Global Security Operations Center (GSOC)



Partial Section for Dispatch



Partial Plan for Dispatch



Dispatch Interior Views



# Dispatch and Global Security Operations Center



# Major Projects

- Majors we're currently working on:
  - UF 200 – New UF Public Safety Building
  - UF 373 – FL Museum of Natural History Special Collections Building
  - UF 632 – Data Science and Information Technology (DSIT)
  - UF 638 – Student Healthcare Center
  - UF 641 – East Campus Data Center Utility Upgrades
  - UF 654 – Gator Village (Honors Residence)
  - UF 656 – Campus Landscape Master Plan Implementation
  - UF 657 – Peabody Hall
  - UF 668 – Racquet Club Dining
- Security is enhancing the way we secure a building
  - Full Perimeter – cameras and access controls
  - Critical Infrastructure (TR, Mech/Elec/Elevator Control/High Value)
  - Suite Entrances within Buildings
  - Less Reliance on Key Control

# Department Challenges

- Volume of work
- Respond to other security issues that arise on campus
- Staffing
- Lack of Quality Discovered During Inspections
  - CMs, Subs and PMs
    - Need to follow scope and understand deliverables
    - RFI Process for Deviations of Scope
    - Hold Contractors More Accountable

# Process Improvements

- Working with PDC to improve the process
  - Updating Construction Standards
  - Scope Development by subcontractors (security, electrical, hardware, structured cabling, storefront)
    - Likely to result in higher costs
  - More reliance on PMs
    - May Involve Additional Training from Security

# Process Improvements

- Recognize there is a problem with throughput
  - Our Scope Development is Extremely Detailed
  - Follows Construction Standards
  - **Allows us to Maintain the Security Systems**
- Staffing constraints as a result of COVID
- Our role will adjust moving forward
  - Security will:
    - Meet with PMs and Customers at beginning of project
    - Convey security scope to Security Designer
    - Review and approve scopes of work prepared by subs
    - Inspect throughout and upon project completion

# DISCUSSION/QUESTIONS

THANK YOU!