


SOUTH ORANGE POLICE DEPARTMENT TECHNOLOGY PROJECTS / BUILDING RENOVATION UPDATE

September 14, 2017


AGENDA

- Radio Network Migration
 - In-Car Camera System
 - MDT Upgrade
 - Building Renovation
- 


RADIO NETWORK MIGRATION

- Timeline for Completion: October 10, 2017
 - Status: In – Progress
 - Requirements Review Completed
 - Equipment Delivered / Installed in PD IT Room
 - T-1 Lines Ordered (Redundant Configuration)
 - Logging / Recording System Expansion Ordered
 - User Equipment
 - 24 Mobile Radios (1 Spare)
 - 35 Portable Radios (10 Encrypted)
 - Outstanding Issues
 - Conformation to Motorola's R-56 Grounding Requirements
 - Quotes Being Received
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IN CAR CAMERA SYSTEM

- Timeline for Completion: November 13, 2017
 - Status: Purchase Order to be Released week of September 11, 2017
 - 15 Units
 - 2 Access Points
 - Interview Room Equipment
 - On-Premise Storage
 - Key Features
 - Record After the Fact
 - Secondary Recording Saved to USB Flash Drive
 - Fiber Connection to Server
 - Cloud Share Capability for Prosecutor Access of Designated Files
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- A decorative graphic consisting of several parallel white lines of varying lengths, slanted upwards from left to right, located in the bottom right corner of the slide.

MDT UPGRADE

- Timeline for Completion: September / October 2017
 - Status: Quote Requested from G.T.B.M.
 - 4 Units Initially
 - Dell Ruggedized Tablets
 - Separate Keyboard
 - Havis Mount
 - Installation
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BUILDING RENOVATION

- Timeline for Completion: 16 Months from Award
 - Status
 - Architectural BID Review Completed with PD
 - Construction Manager / Owners Representative RFP Released / Responses Due September 14, 2017
 - Next Step: Bid Document Released
 - Bid Opening Oct. 3,2017 – award shortly thereafter
 - Components
 - Interior / Exterior Renovations
 - Security System Expansion
 - Access Control System Implementation
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BUILDING RENOVATION (CONT.)

Phase 1	Mobilization and Exterior Foundation Waterproofing	<u>3 months</u>
Phase 2	First Floor Staff Bathrooms and Basement Fitness Room & Firing Range Renovations	<u>2 months</u>
Phase 3	Renovate the designated portion of the Basement and First Floor	<u>4 month</u>
Phase 4	Mobilization and Exterior Foundation Waterproofing	<u>1 month</u>
Phase 5	Renovate the designated portion of the First Floor	<u>3 months</u>
Phase 6	Door, Hardware and Ceiling changes in Main Corridors	<u>3 months</u>

BUILDING RENOVATION – PHASE 1

- **Mobilization and Exterior Foundation Waterproofing (3 Months)**
 - Excavate around the building to expose the below-grade portions of the foundations
 - Clean and waterproof the foundation walls
 - Install the specified foundation drain piping
 - Backfill the foundation drainage trenches around the building perimeter
 - Demolish curbs and sidewalks at east side of building
 - Driveway to be expanded by eliminating a portion of the lawn

BUILDING RENOVATION – PHASE 2

- **First Floor Staff Bathrooms and Basement Fitness Room & Firing Range Renovations (2 months)**
 - Demolish the existing masonry wall at the former louver opening at west side of building (fitness room) to allow for Basement construction access and to provide a large enough opening for the new chiller to enter the Basement
 - The Asbestos Abatement Contractor will abate these areas first so that they can then be used as swing spaces
 - Demolish existing Staff Bathrooms and adjacent storage area. First floor bathroom will include a shower and be used temporarily by staff
 - Demolish Firing Range & Fitness Room specified building equipment and finishes
 - Demolish Courtroom dais and build temporary walls
 - Trench the Basement slab in the indicated areas for the underslab drainage system and underslab piping
 - Backfill the slab trenches and pour concrete slab infill

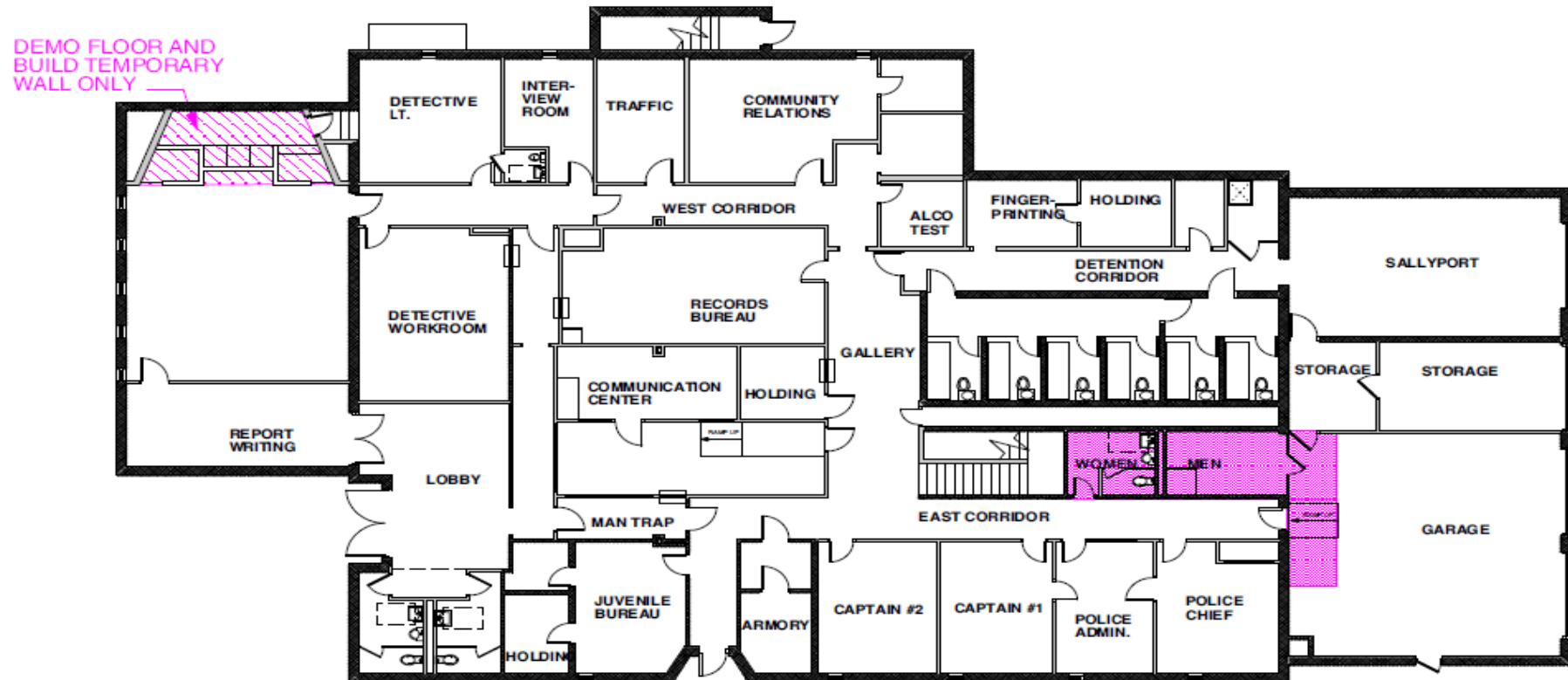
BUILDING RENOVATION – PHASE 2 (CONT.)

- **First Floor Staff Bathrooms and Basement Fitness Room & Firing Range Renovations (2 months)**
 - Substantially complete all work in these areas
 - Close off temporary opening at former louver
 - Demolish and remove all temporary partitions and protection
 - Secure a temporary Certificate of Occupancy encompassing all areas renovated during this phase
 - Allow 1 week to furnish and occupy the renovated area and vacate the designated swing space
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BUILDING RENOVATION –

PHASE 2

1. COMPLETE STAFF BATHROOMS AT FIRST FLOOR
2. DEMO EXISTING COURTROOM DIAS AND BUILD TEMPORARY WALL
3. INSTALL TEMPORARY ELECTRIC AND NETWORK CONNECTION IN FORMER COURTROOM (BY OWNER)
4. RENOVATE FITNESS ROOM AND FIRING RANGE IN BASEMENT INCLUDING ALL UNDERDRAIN WORK
5. SUMP PIT IN FITNESS ROOM TO REMAIN FUNCTIONAL
6. USE LOUVER OPENING IN FITNESS ROOM TO MOVE NEW HVAC EQUIPMENT INTO BUILDING



LEGEND

SWING SPACE



CONSTRUCTION

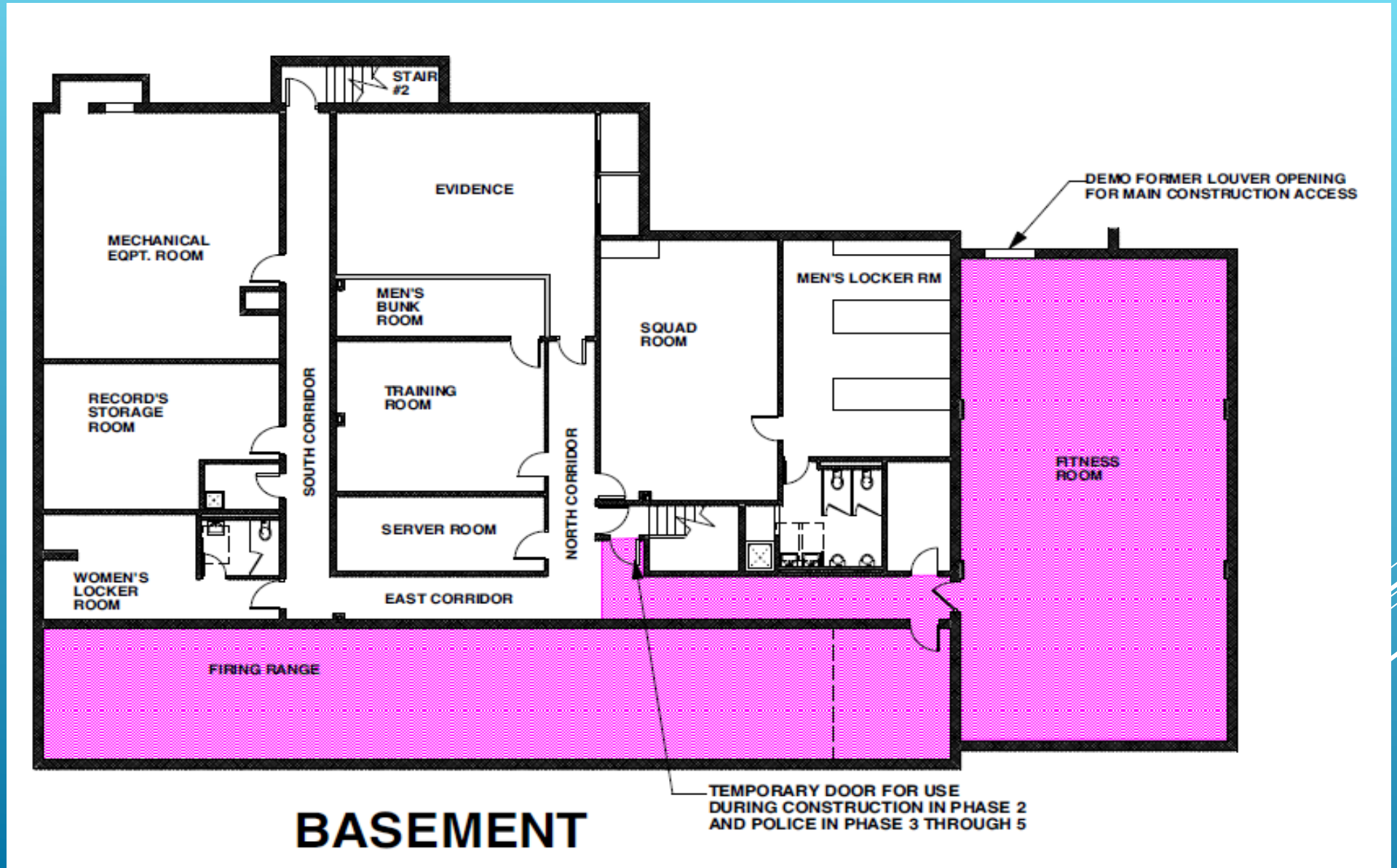


COMPLETED



FIRST FLOOR

BUILDING RENOVATION – PHASE 2 (CONT.)



BUILDING RENOVATION – PHASE 3

- Renovate the designated portion of the Basement and First Floor (4 months)
- **Note: The Construction Work is anticipated to commence during the heating season, so the switchover from the existing to new chiller should not inconvenience building occupants**
 - Coordinate the start of work in this area with the Asbestos Abatement Contractor who will abate it first
 - Coordinate the start of work in this area with the delivery of all materials needed for it
 - Coordinate all utility shutdowns and start of work with the Owner's Representative. Owner to move to temporary work areas shown on Phasing plans
 - Construct temporary partitions to isolate the Work Area from adjacent spaces and temporary construction openings
 - Prepare the roof to support new condensers
 - Temporarily install all roof mounted units
 - Trench the Basement slab in the indicated areas for the underslab drainage system and underslab piping

BUILDING RENOVATION – PHASE 3 (CONT.)

- Renovate the designated portion of the Basement and First Floor (4 months)
- **Note: The Construction Work is anticipated to commence during the heating season, so the switchover from the existing to new chiller should not inconvenience building occupants**
 - Backfill the slab trenches and pour concrete slab infill
 - Install new chiller in Mechanical Room and all associated piping and ductwork required for fully functioning system
 - Remove existing rooftop equipment and re-roof, permanently setting new equipment in place and removing all roof exhaust fans designated to be removed; replace all roof exhaust fans designated to be replaced
 - Substantially complete all work in these areas
 - Demolish and remove all temporary partitions and protection
 - Secure a temporary Certificate of Occupancy encompassing all areas renovated during this phase
 - Allow Owner 1 week to furnish and occupy the renovated area and vacate the designated swing space

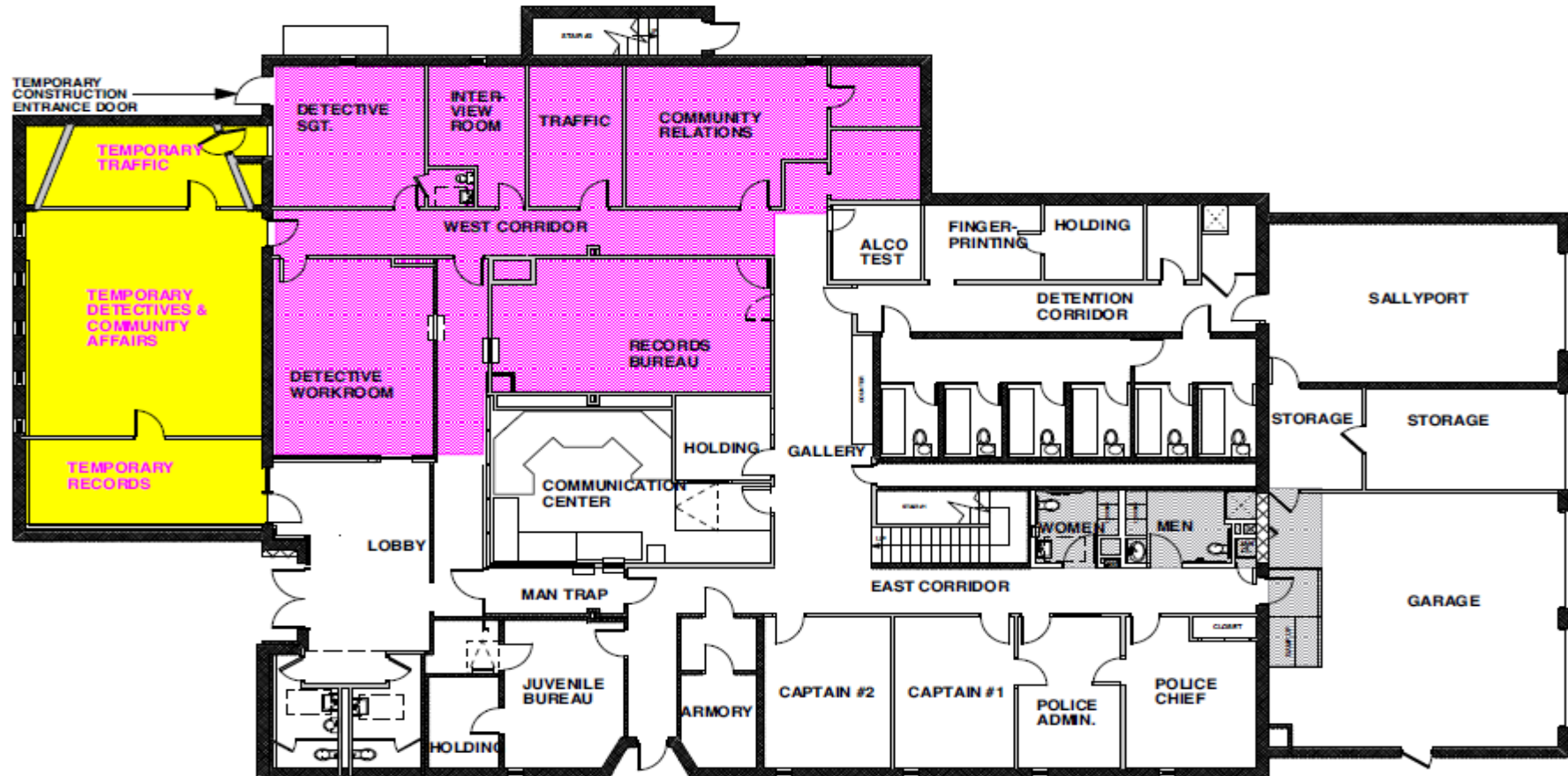
BUILDING RENOVATION – PHASE 3 (CONT.)

PHASE 3A & 3B

1. NEW ROOF MOUNTED UNITS TO BE TEMP. INSTALLED
2. ALL ASSOCIATED MECHANICAL ROOM WORK AND UNDERDRAIN
3. REMOVE EXISTING ROOFTOP EQUIPMENT
4. REROOF AND PERMANENTLY SET NEW EQUIPMENT
5. MOVE LOCKER ROOMS TO TEMPORARY LOCATION
6. MOVE WESTERN OFFICES TO TEMPORARY LOCATION

PHASE 3C

1. RENOVATE WESTERN OFFICES AT FIRST FLOOR
2. COMPLETE BASEMENT RENOVATION



LEGEND

SWING SPACE



CONSTRUCTION

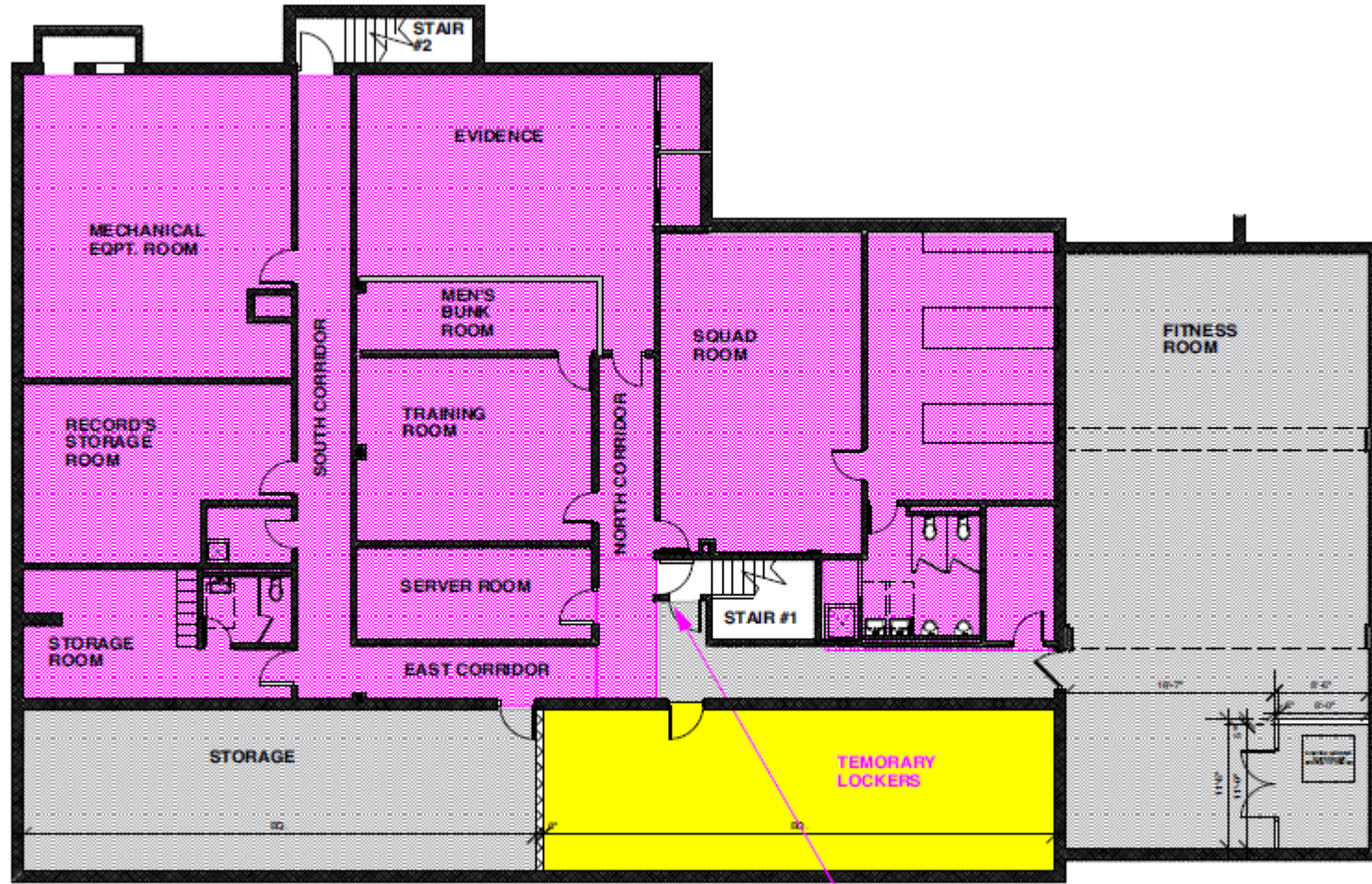


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FIRST FLOOR




BUILDING RENOVATION – PHASE 3 (CONT.)



BASEMENT

TEMPORARY DOOR

LEGEND

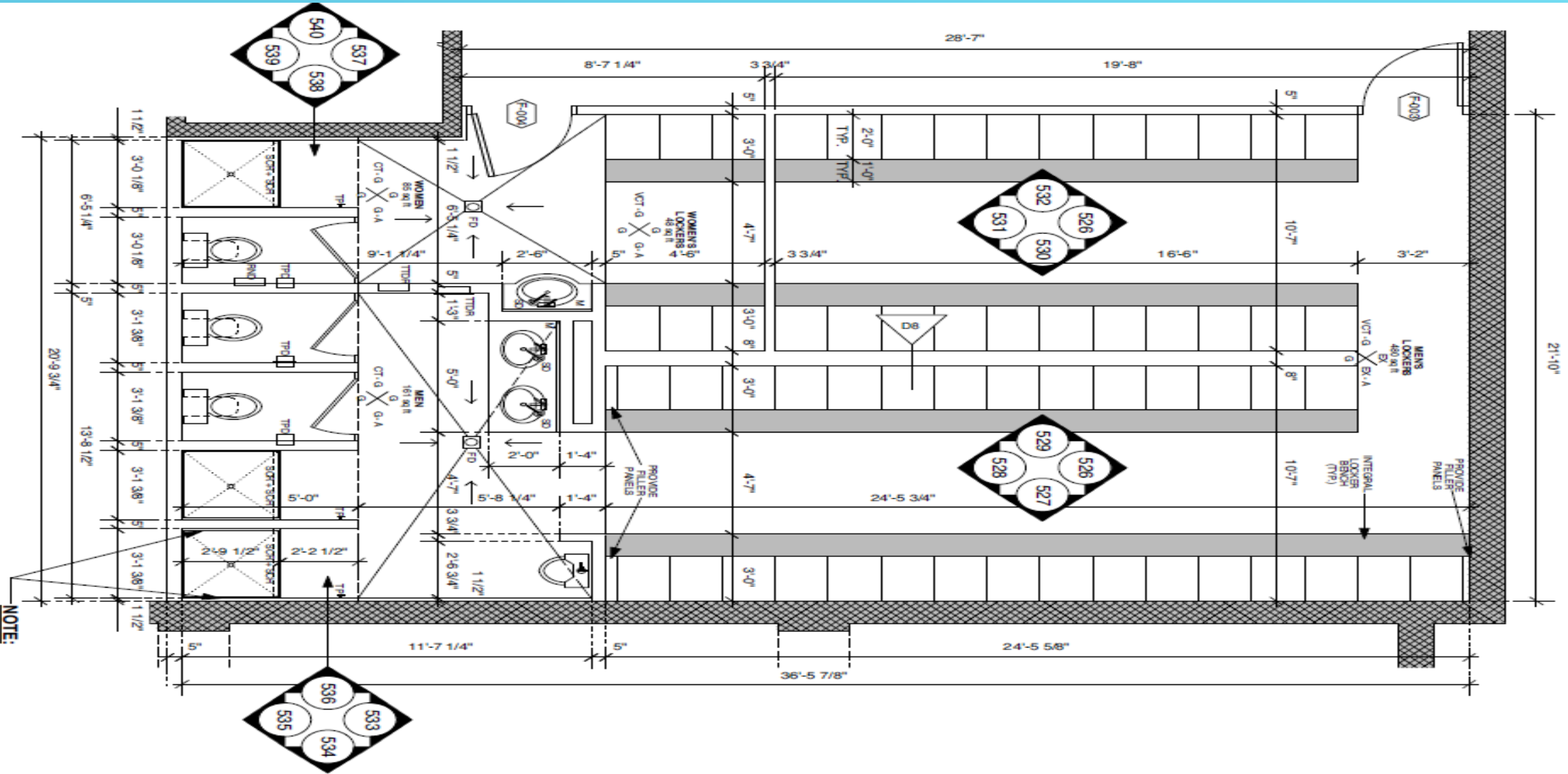
- SWING SPACE 
- CONSTRUCTION 
- COMPLETED 

BUILDING RENOVATION – PHASE 3 (CONT.)

525

Scale: 1/4" = 1'-0"

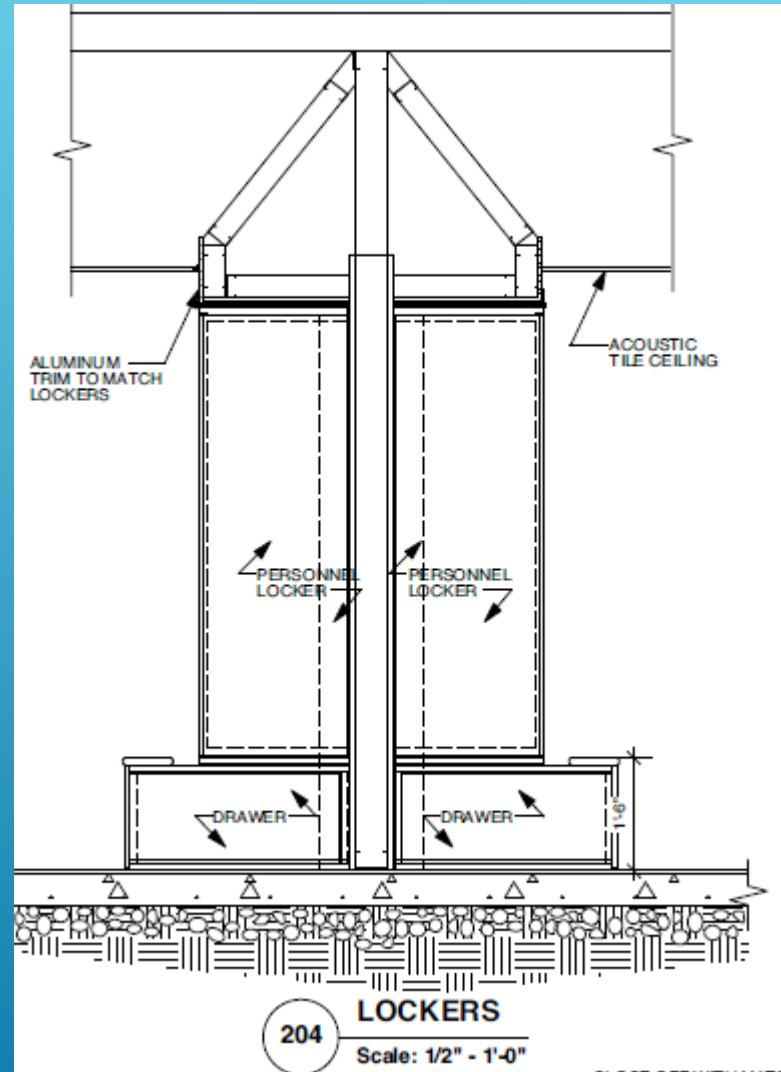
STAFF TOILET / SHOWER / LOCKER ROOMS



NOTE:

PROVIDE 3 HIGH CERAMIC TILE WAINSCOTTING ON SIDEWALLS OF ALL TOILET & SHOWER STALLS

BUILDING RENOVATION – PHASE 3 (CONT.)



BUILDING RENOVATION – PHASE 4

- **Repave parking lot and site work at east side of building (1 month)**
 - Repave parking lot and driveway at east side of the building
 - Install new curbs and sidewalks at east side of the building
 - Install temporary interior door to provide temporary entrance on the East side of the building
 - Provide temporary public portable toilet for the public
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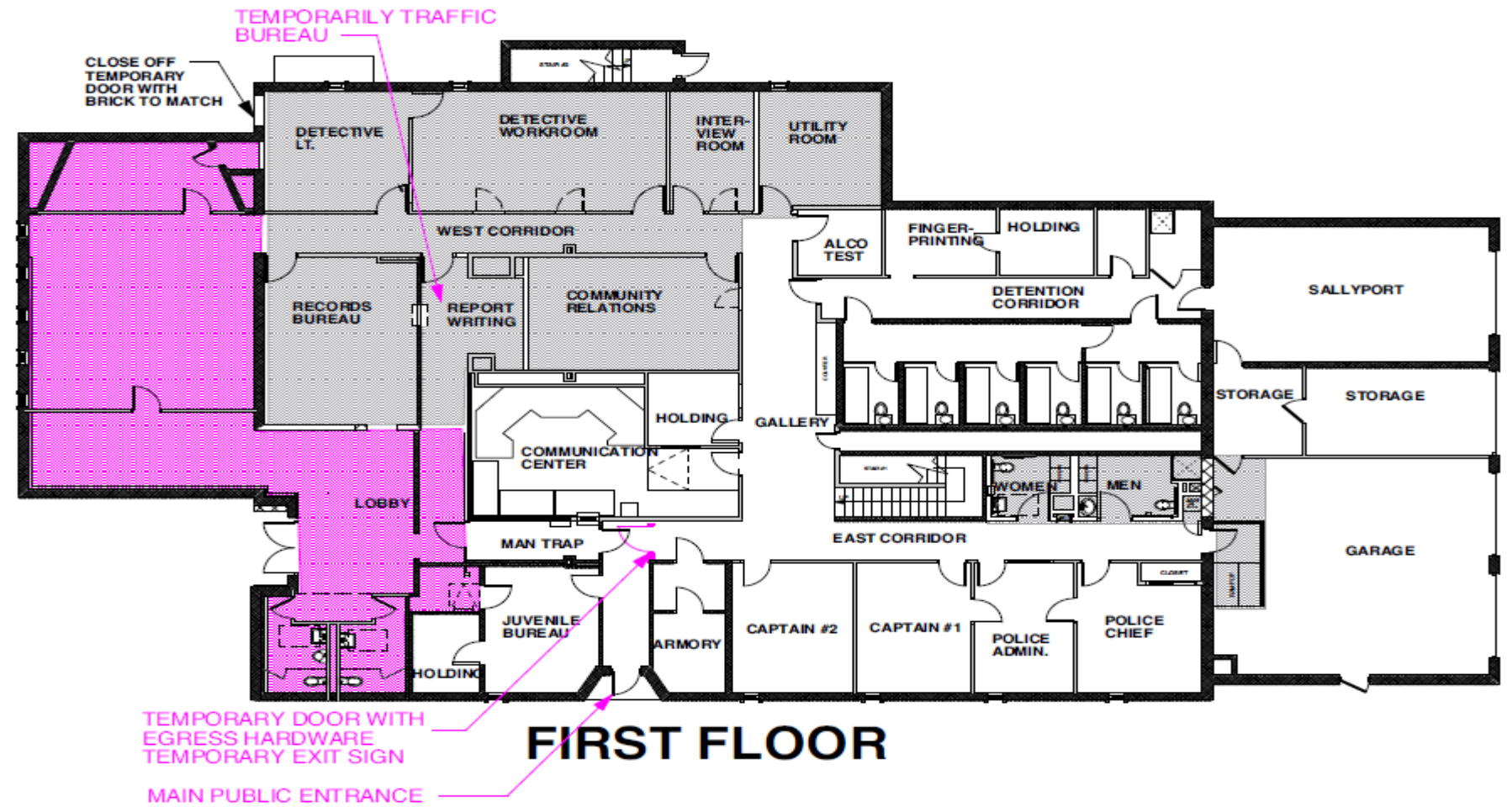
BUILDING RENOVATION – PHASE 5

- **Renovate the designated portion of the First Floor (3 months)**
 - Coordinate the start of work in this area with the Asbestos Abatement Contractor who will abate it first
 - Coordinate the start of work in this area with the delivery of all materials needed for it.
 - Coordinate all utility shutdowns with the Owner's Representative
 - Construct temporary partitions to isolate the Work Area from adjacent spaces
 - Substantially complete all work in this area
 - Demolish and remove all temporary partitions and protection
 - Secure a temporary Certificate of Occupancy encompassing all areas renovated during this phase
 - Allow Owner 1 week to furnish and occupy the renovated area and vacate the designated swing space




BUILDING RENOVATION – PHASE 5 (CONT.)

PHASE 5

1. MOVE PUBLIC ENTRANCE TO SIDE DOOR
2. RENOVATE LOBBY, PUBLIC TOILETS AND FORMER COURTROOM AREA

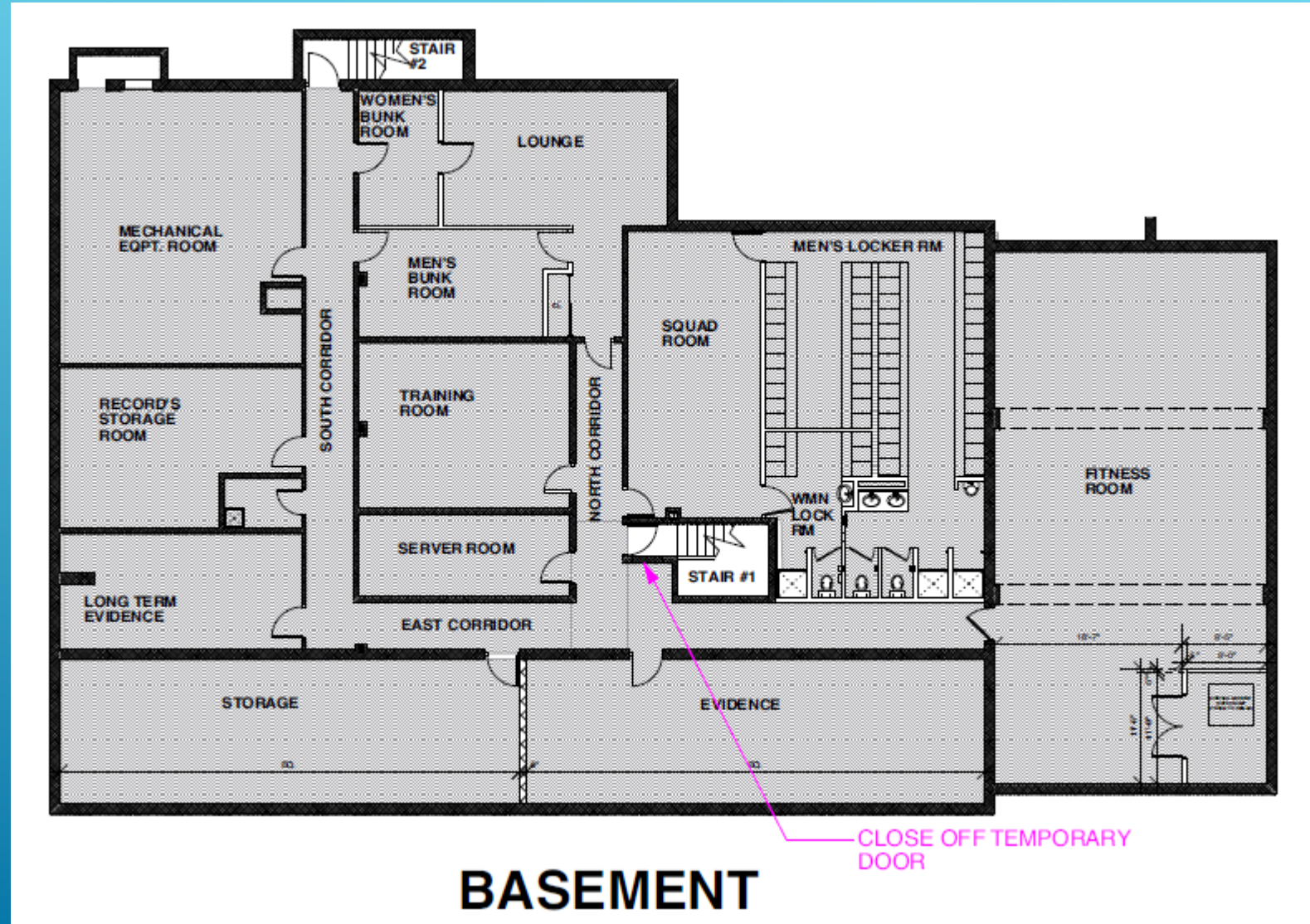


LEGEND

- SWING SPACE 
- CONSTRUCTION 
- COMPLETED 

FIRST FLOOR

BUILDING RENOVATION – PHASE 5 (CONT.)



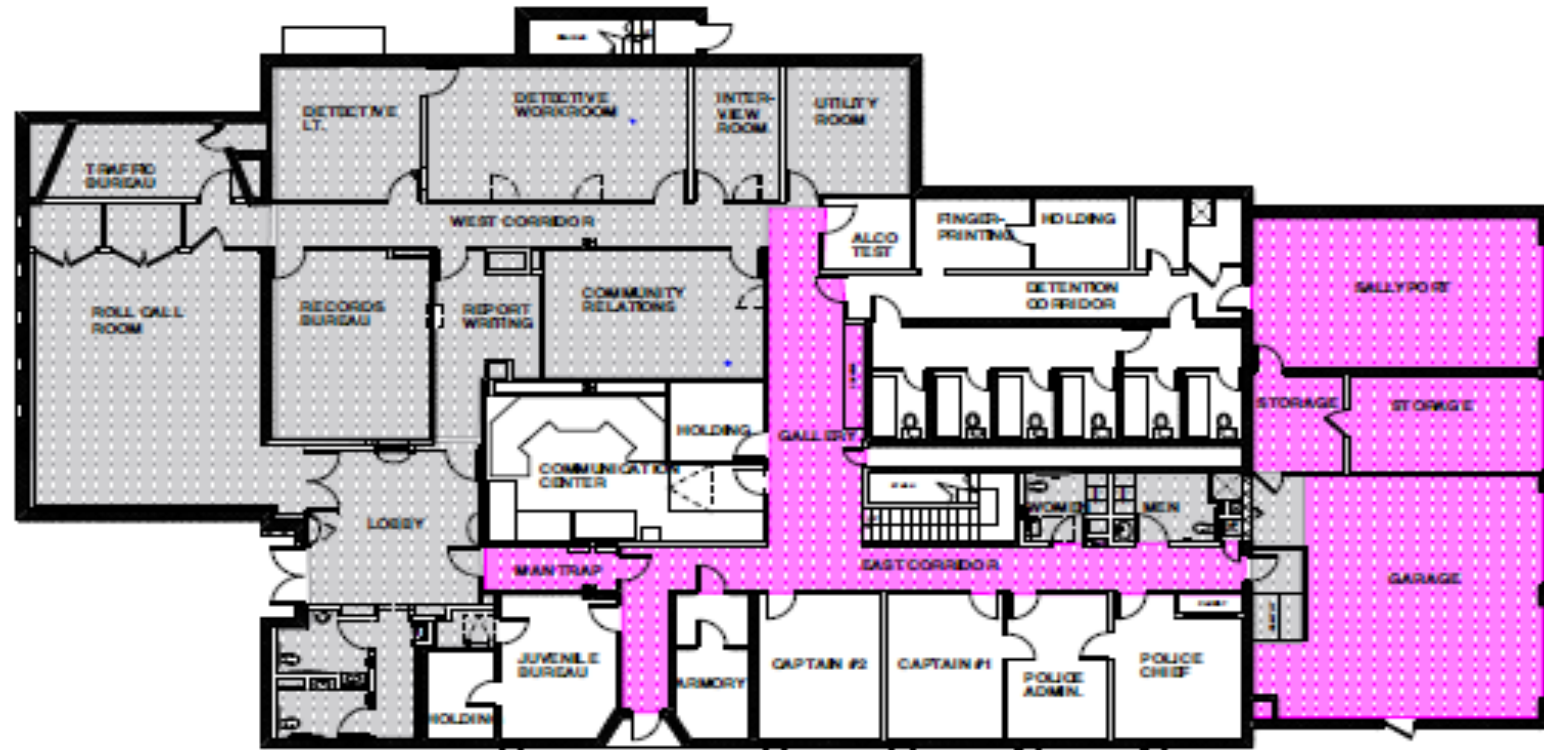
BUILDING RENOVATION – PHASE 6

- **Door, Hardware and Ceiling changes in Main Corridors (3 months)**
 - Coordinate the start of work in this area with the Asbestos Abatement Contractor who will abate it first
 - Coordinate the start of work in this area with the delivery of all materials needed for it
 - Coordinate all utility shutdowns with the Owner's Rep
 - Coordinate daily work activities with Owner's Representative as to which doors and rooms will have limited access
 - Renovate corridor ceiling and finish flooring on a weekend or during a holiday

BUILDING RENOVATION – PHASE 6 (CONT.)

PHASE 6

1. MOVE TRAFFIC BUREAU INTO ITS OFFICES
2. COMPLETE DOOR, HARDWARE AND CEILING CHANGES IN MAIN CORRIDORS



FIRST FLOOR

LEGEND

SWING SPACE



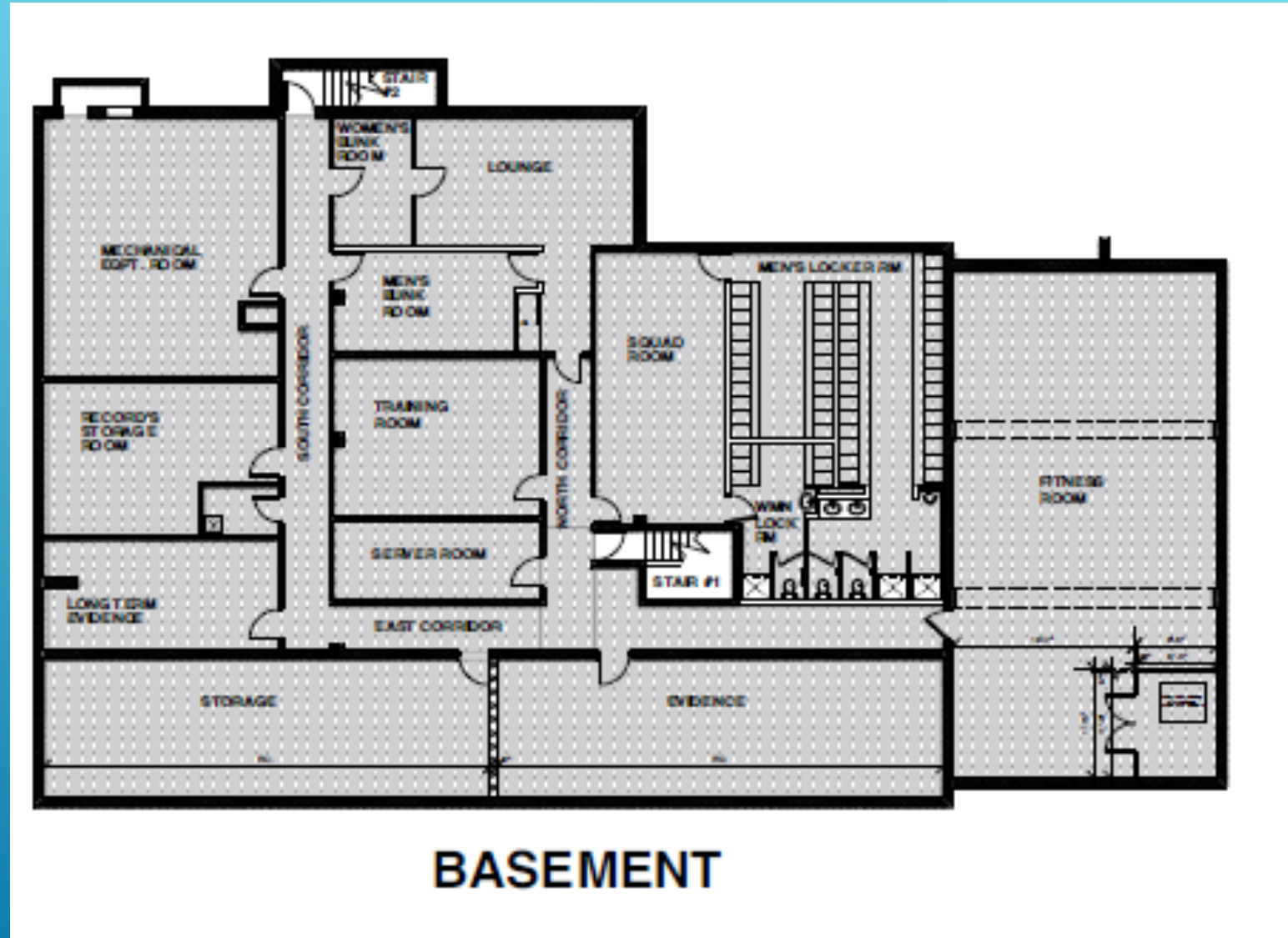
CONSTRUCTION



COMPLETED



BUILDING RENOVATION – PHASE 6 (CONT.)



QUESTIONS AND DISCUSSION

