

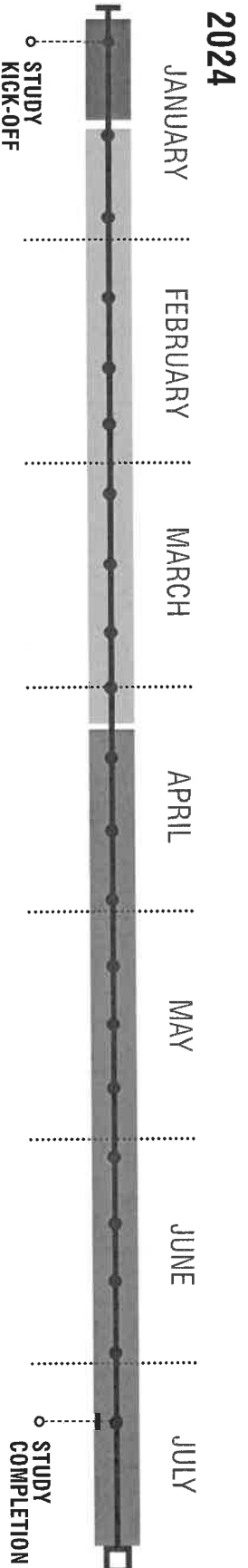
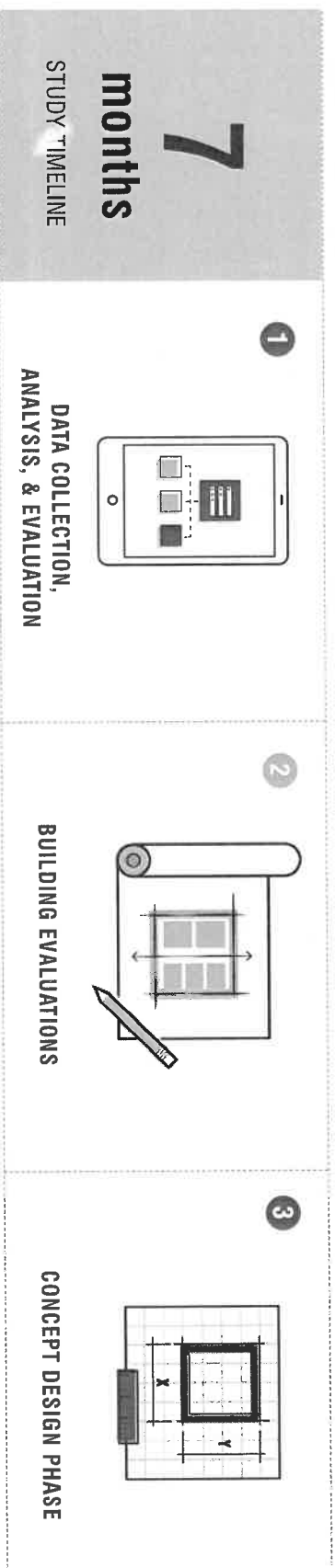


ALLENTOWN CENTRAL FIRE

FEASIBILITY STUDY STATION

CITY COUNCIL PRESENTATION • JUNE 4TH, 2025

FEASIBILITY STUDY OVERVIEW



DESIGN TEAM



CITY OF ALLENTOWN

Efrain Agosto - *Fire Chief*
Mehmet Barzev - *EMS Chief of Operations*
Terry Fasano - *Health Operations Manager*
Jennifer Gomez - *Director of Planning & Zoning*
Jesse Sadiua - *Chief Planner*
David Synnamon - *Health Director*
Matt Tuerk - *Mayor*
Christian Williams - *Deputy Fire Chief*



LEHIGH COUNTY

Richard Molchany - *Director of General Services*



ARCHITECT

Randy Galiotto, AIA - *Principal*
Richard Mercado - *Project Manager*
Emily Morina - *Architectural Designer*
Michelle Mozingo - *Senior Designer*
Bekah Rusnock - *Director of Development*



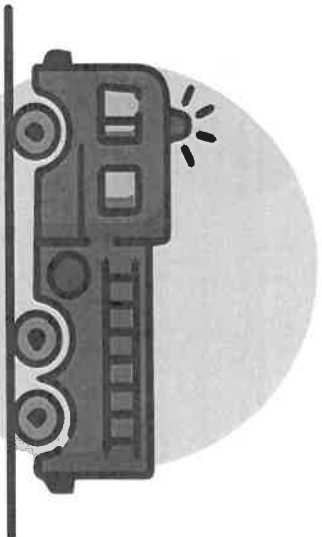
ENGINEER

Dean Batten, PE - *Director of Electrical Engineering*
Nolan Zambelli, PE - *Director of Plumbing Engineering*
Jim Zietlow, PE - *Senior Mechanical Designer*



CITY OF ALLENTOWN

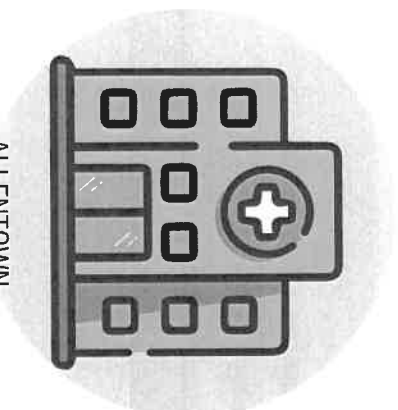
DEPARTMENTS



ALLENTOWN
CENTRAL FIRE DEPARTMENT



ALLENTOWN
EMS DEPARTMENT



ALLENTOWN
HEALTH BUREAU



NEEDS OF A MODERN FIRE STATION

1

SAFETY

2

EQUITY

3

ACCESS

NFPA
STANDARDS



9% FEMALE
FIREFIGHTERS IN THE U.S.

**RECRUITMENT
RETENTION
STAFFING**

EDUCATION
IS KEY TO PUBLIC SAFETY



ALLOY5
ARCHITECTURE



NFPA STANDARDS

FIRE SAFETY ZONES



NFPA®

ZONE SAFETY DETAILS

HOT

Spaces exposed to carcinogens and hazards

WARM

Decontamination and movement through zones

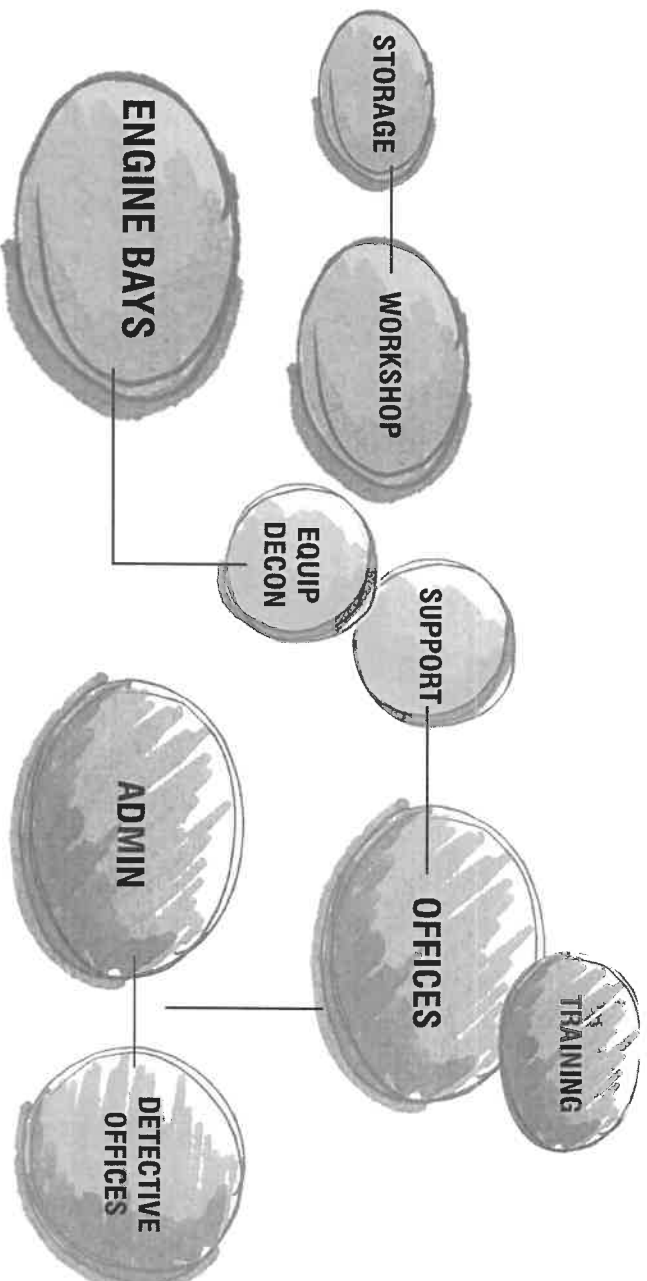
COOL

Rest and recovery areas



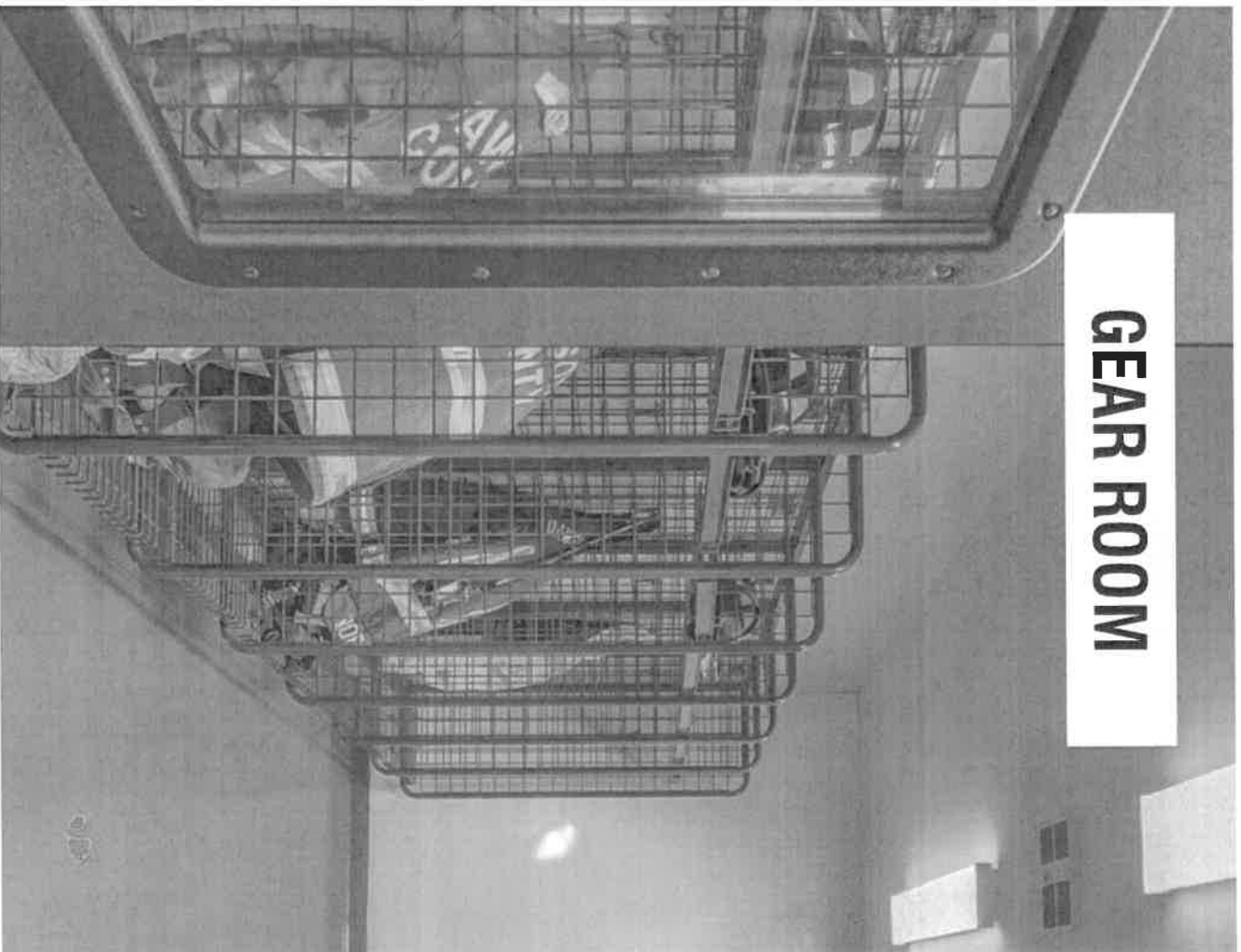
NEPA STANDARDS

FIRE SAFETY ZONES



PROGRAMMING BUBBLE DIAGRAM

GEAR ROOM

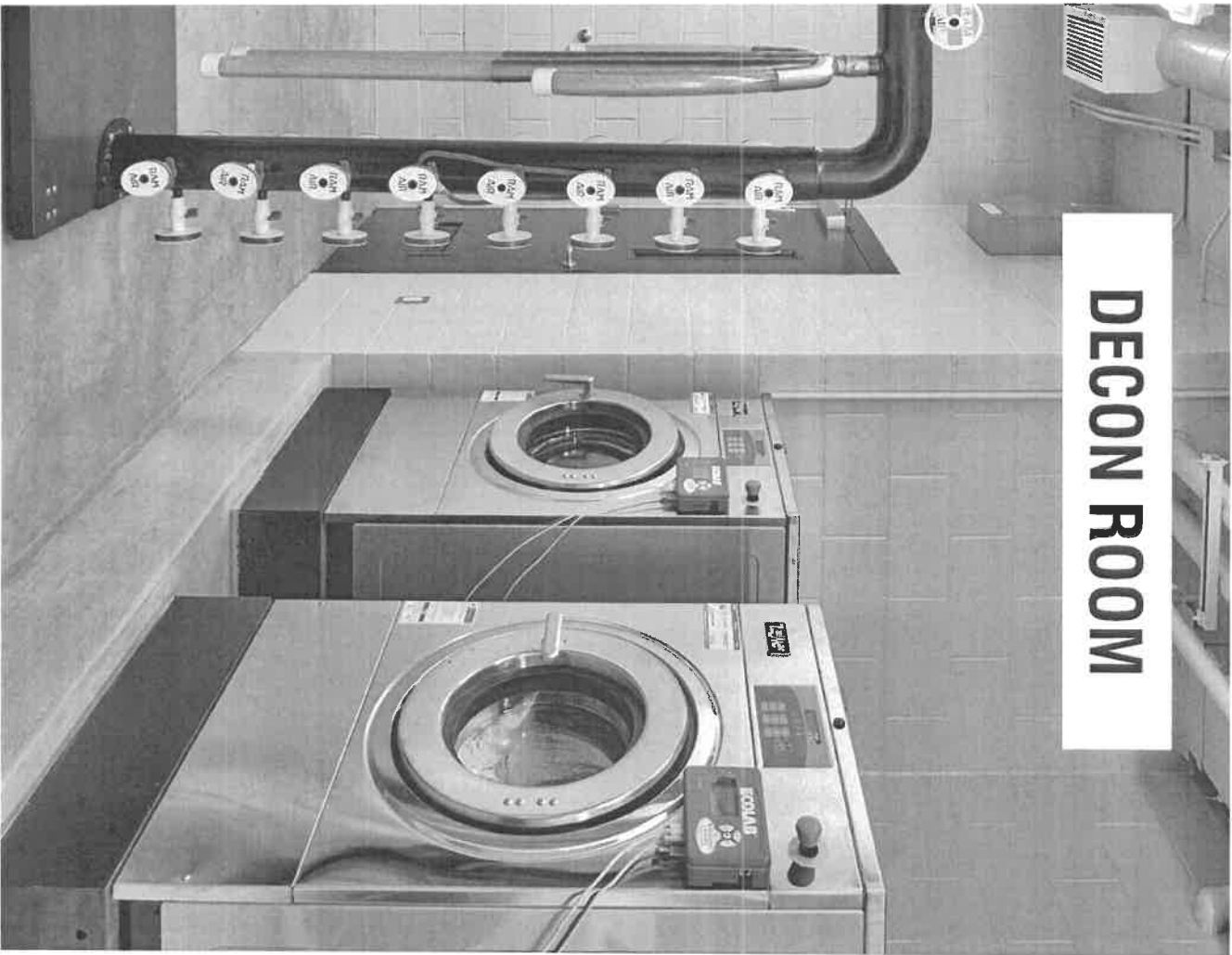


1500

- Airlocks required
- Fitness programs required
- Include all safety features
- Training + learning spaces
- Decon areas required
- Include common spaces
- Effective PPE storage with ventilation

ALLOY 5
ARCHITECTURE





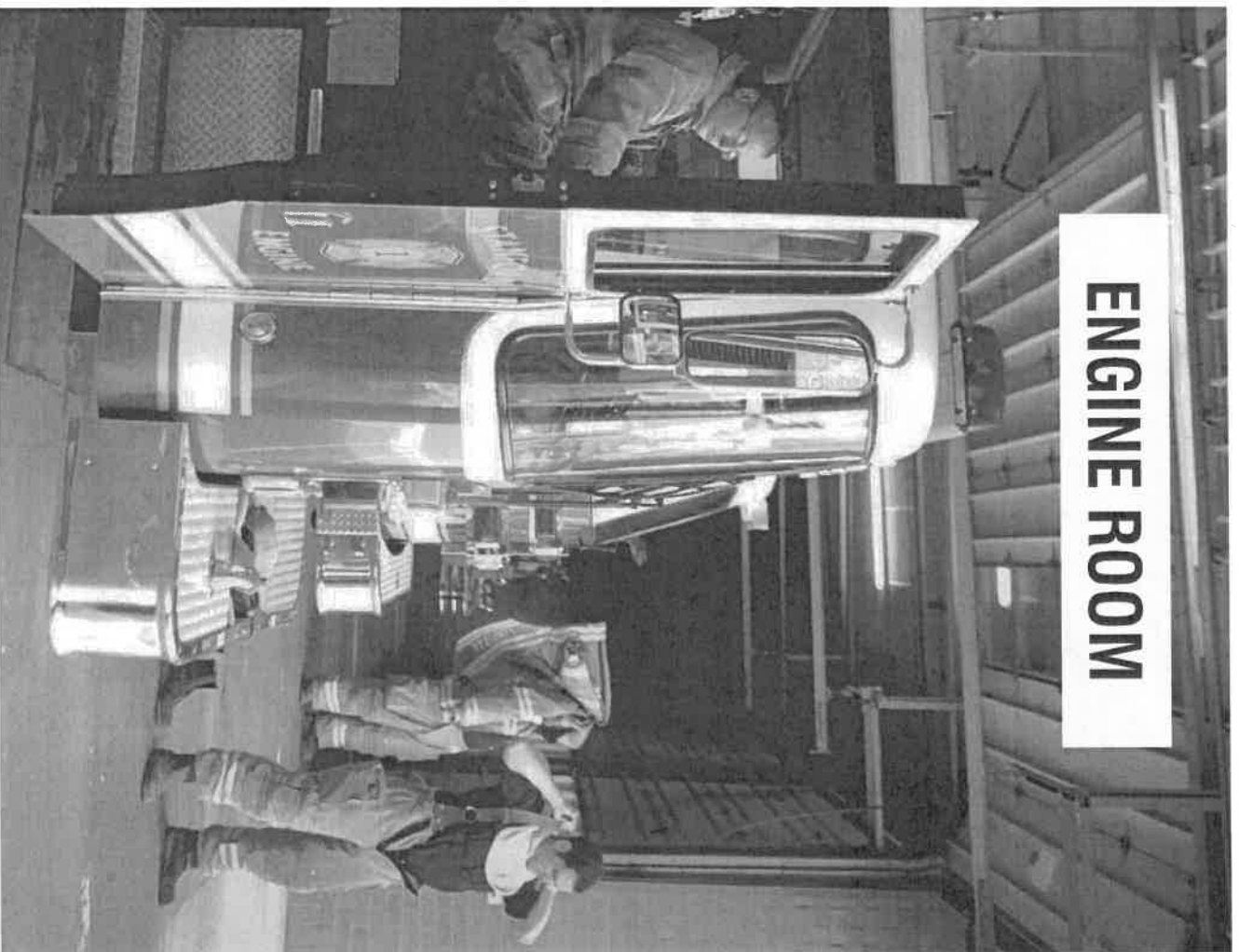
DECON ROOM



1851

- Separate laundry areas for uniforms, station clothing, towels and bedding
- Separate laundry areas for PPE
- Consideration of waste water removal
- Consideration of air flow

ENGINE ROOM



1710, 1720

- Access across floors, apparatus bay and living spaces
- Consider different turnout times between EMS and Health

ALLOY5
ARCHITECTURE



CITY OF ALLENTOWN

EXISTING PROPERTIES

1
Allentown Central Fire/EMS
N. Hall Street & W. Chew Street
Current location

2
Allentown Health Bureau
N. 6th Street & W. Chew Street
Current location



CITY OF ALLENTOWN

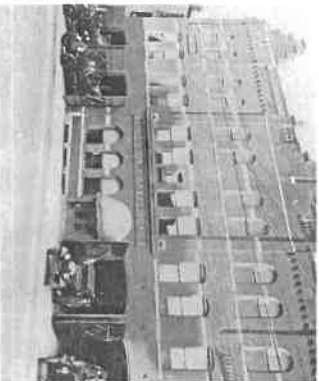
EXISTING PROPERTIES

1
Allentown Central Fire/EMS
N. Hall Street & W. Chew Street
Current location

2
Allentown Health Bureau
N. 6th Street & W. Chew Street
Current location



ALLENTOWN CENTRAL FIRE TIMELINE



**Original Central Fire Station*

1946

Converted
into fire station



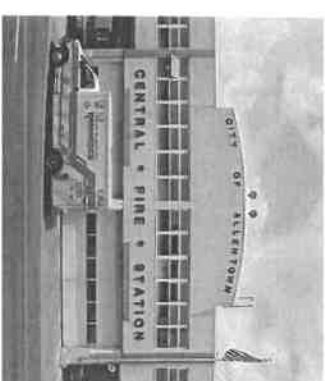
1920s

Constructed
as a car dealership



Prior to 1980s

EMS department
moved into
building



2024

Feasibility
Study

1980s-1992

Health Bureau
was located in the
building

ALLENTOWN FIRE DEPARTMENT

CURRENT STATISTICS

127,138

POPULATION OF
ALLENTOWN

JULY 1, 2024 US CENSUS

0

FEMALE
FIRE FIGHTERS AT
CENTRAL FIRE

3RD

LARGEST
FIRE DEP.

IN THE STATE

129

FIREFIGHTERS



17,130

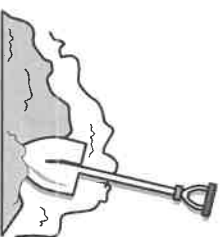
TOTAL UNITS
RESPONDED OUT
OF STATION

IN 2024

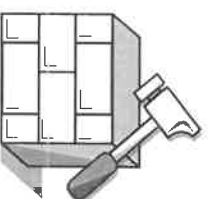


ALLENTOWN CENTRAL FIRE

BUILDING DEFICIENCIES



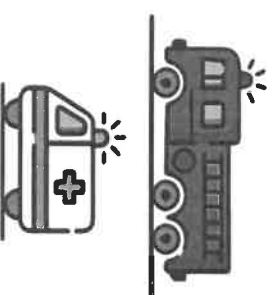
SITE



ARCHITECTURE



MECHANICAL, ELECTRICAL, &
PLUMBING



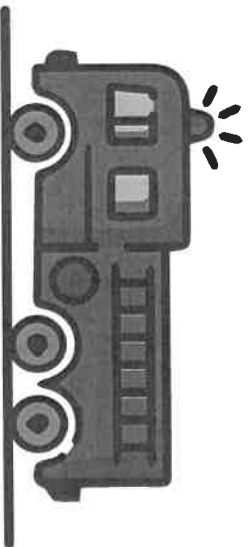
FIRE / EMS SUPPORT

ALLOYS
ARCHITECTURE



ALLENTOWN CENTRAL FIRE

BUILDING DEFICIENCIES



FIRE / EMS SUPPORT

MAIN DISTRIBUTION HUB

FOR ALLENTOWN FIRE / EMS DEPARTMENT

- ✓ PERSONAL PROTECTIVE EQUIPMENT
- ✓ OPERATIONAL SUPPLIES
- ✓ JANITORIAL NEEDS



REPORT CARD

OVERALL RATING

POOR

1-3 YEARS

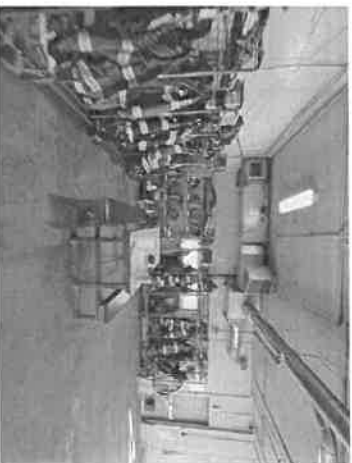
● EXCELLENT ● GOOD ● AVERAGE ● POOR ● CRITICAL

<div>SITE</div>				
<div>● SIDEWALKS</div> <div>● PARKING</div> <div>● ROADWAYS</div> <div>● APRON</div> <div>● ADA / CODE COMPLIANCE</div>				
<div>ARCHITECTURE</div>				
<div>● EXTERIOR WALLS</div> <div>● ROOF</div> <div>● INTERIOR WALLS</div> <div>● WINDOWS</div> <div>● DOORS</div> <div>● CEILINGS</div> <div>● FINISHES</div> <div>● ADA / CODE COMPLIANCE</div>				
<div>MECHANICAL, ELECTRICAL, & PLUMBING</div>				
<div>● AIR DISTRIBUTION SYSTEMS, AIR HANDLING, & VENTILATION, (HVAC)</div> <div>● FIRE PROTECTION/ SPRINKLERS</div> <div>● EXTERIOR & INTERIOR LIGHTING</div> <div>● ELECTRICAL DISTRIBUTION</div> <div>● EMERGENCY / STANDBY POWER</div> <div>● FIRE ALARM SYSTEM</div> <div>● COMMUNICATIONS / DATA</div> <div>● WATER DISTRIBUTION SYSTEM</div> <div>● HOT WATER HEATERS</div> <div>● PLUMBING SYSTEMS & FIXTURES</div>				
<div>FIRE SUPPORT</div>				
<div>● PERSONNEL SECURITY</div> <div>● SECURE STORAGE</div> <div>● LOCKERS</div> <div>● ACOUSTIC PRIVACY</div> <div>● VISUAL PRIVACY</div> <div>● EQUIPMENT STANDARDS</div> <div>● TECHNOLOGY</div> <div>● DECONTAMINATION</div> <div>● BUNK ROOMS</div>				
<div>EMS SUPPORT</div>				
<div>● PERSONNEL SECURITY</div> <div>● SECURE STORAGE</div> <div>● LOCKERS</div> <div>● ACOUSTIC PRIVACY</div> <div>● VISUAL PRIVACY</div> <div>● EQUIPMENT STANDARDS</div> <div>● TECHNOLOGY</div> <div>● DECONTAMINATION</div> <div>● BUNK ROOMS</div>				



ALLENTOWN CENTRAL FIRE

EXISTING CONDITIONS



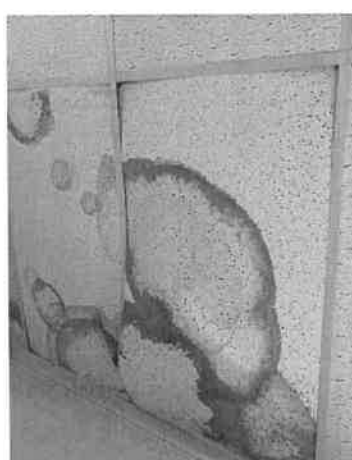
NO PROPER DECON SPACE IN BUILDING



SHARED BUNK ROOM - NO SEPARATE SPACE FOR FEMALES / MALES



LACK OF STORAGE FOR CITY-WIDE SUPPLIES NOT ON GROUND FLOOR



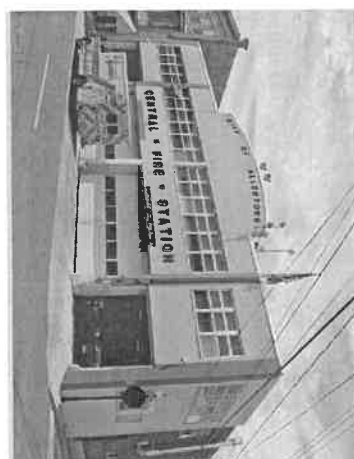
FAILING INFRASTRUCTURE



ADA / CODE COMPLIANCE ISSUES



LACK OF PARKING AND ACCESS TO GARAGE



4 BAYS WITH NO APPARATUS



NO FEMALE LOCKER ROOMS

ALLENTOWN CENTRAL FIRE

KEY TAKEAWAYS



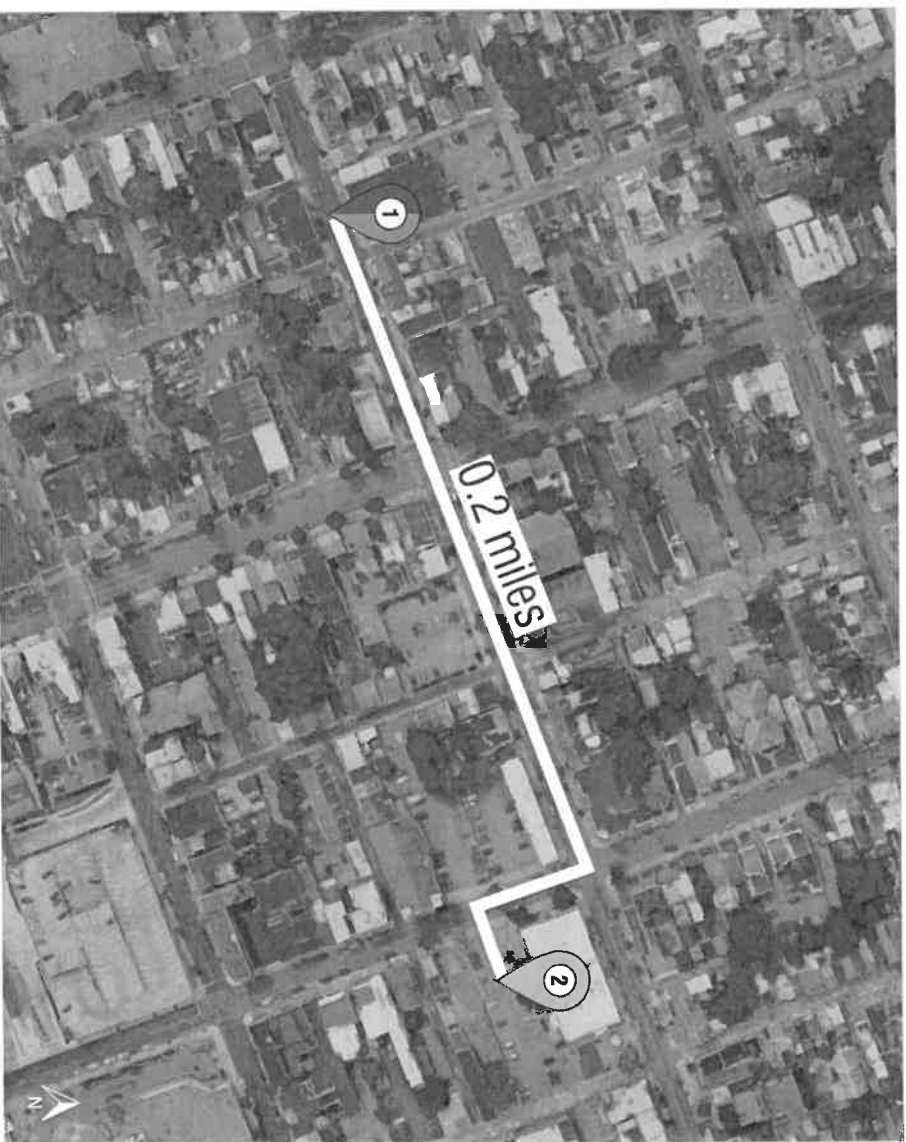
- OVERALL POOR CONDITION
- 100 YEAR OLD BUILDING
- NOT ADA / CODE-COMPLIANT
- NO INFRASTRUCTURE FOR FEMALES
- NO APPARATUS BAY
- PUBLIC SAFETY CONCERNS
- ONE-WAY STREET
- DOES NOT MEET NFPA STANDARDS

CITY OF ALLENTOWN

EXISTING PROPERTIES

1
Allentown Central Fire/EMS
N. Hall Street & W. Chew Street
Current location

2
Allentown Health Bureau
N. 6th Street & W. Chew Street
Current location



NEEDS OF MODERN PUBLIC HEALTH

1

PATIENT
EXPERIENCE

2

EQUITY

3

ACCESS

TECHNOLOGY
QUALITY CARE
STAFFING



COMMUNITY
NEEDS

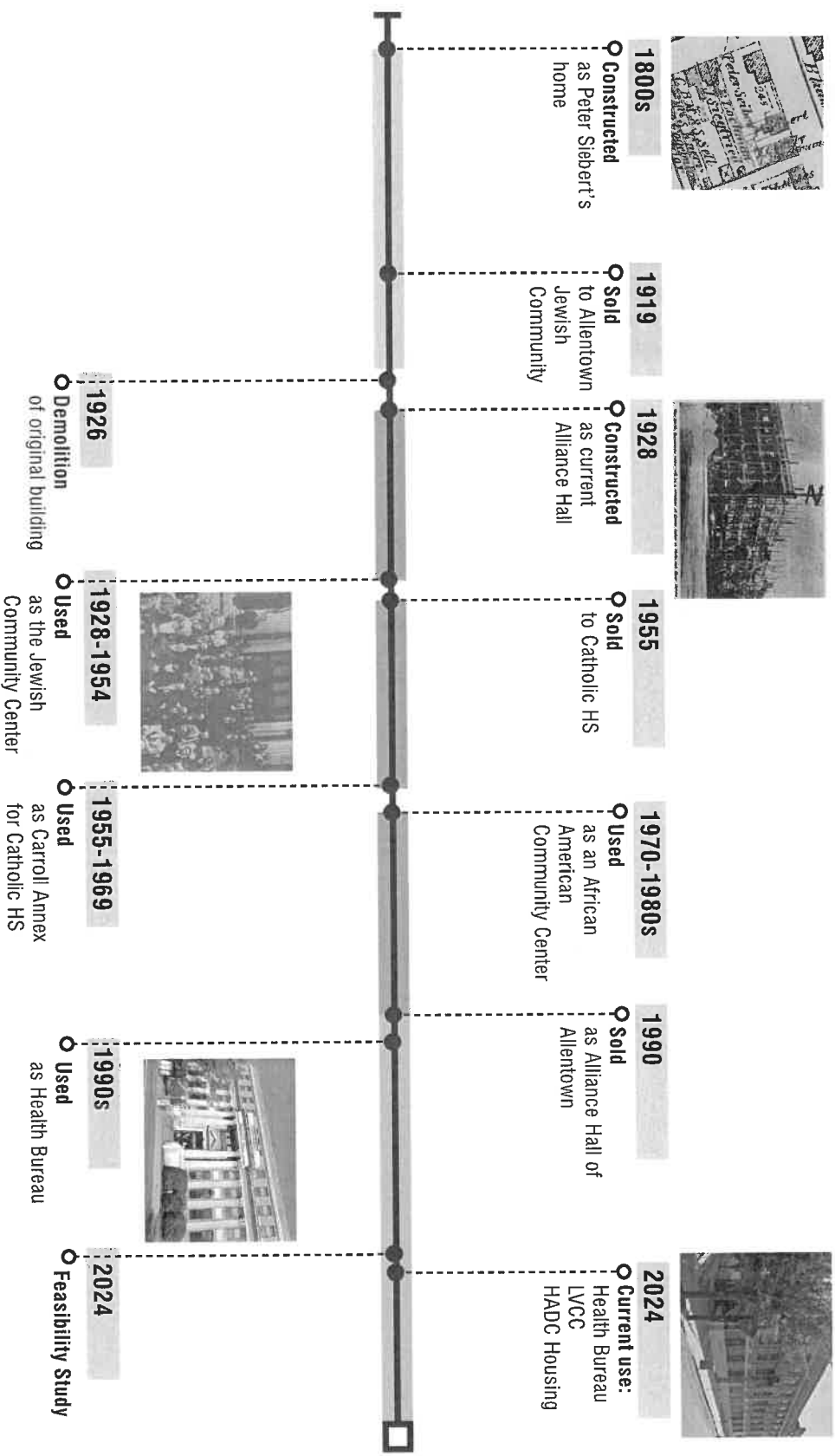
IMPROVING QUALITY OF LIFE

PUBLIC
TRANSPORTATION
MASS
TESTING &
VACCINATIONS

ALLOY5
ARCHITECTURE

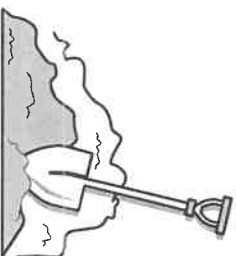


ALLIANCE HALL TIMELINE

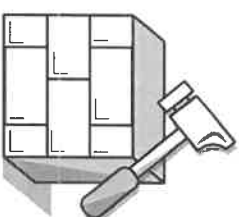


HEALTH BUREAU AT ALLIANCE HALL

BUILDING DEFICIENCIES



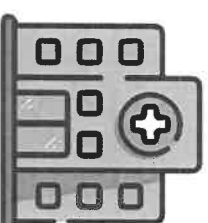
SITE



ARCHITECTURE



MECHANICAL, ELECTRICAL, &
PLUMBING



HEALTH SUPPORT

REPORT CARD

OVERALL RATING
AVERAGE
3-5 YEARS



EXCELLENT GOOD AVERAGE POOR CRITICAL



SITE

- SIDEWALKS
- PARKING
- ROADWAYS
- ADA / CODE COMPLIANCE



ARCHITECTURE

- EXTERIOR WALLS
- ROOF
- INTERIOR WALLS
- WINDOWS
- DOORS
- CEILING
- FINISHES
- ADA / CODE COMPLIANCE



MECHANICAL, ELECTRICAL, & PLUMBING

- AIR DISTRIBUTION SYSTEMS, AIR HANDLING, & VENTILATION, (HVAC)
- FIRE PROTECTION/SPRINKLERS
- EXTERIOR & INTERIOR LIGHTING
- ELECTRICAL DISTRIBUTION
- EMERGENCY / STANDBY POWER
- FIRE ALARM SYSTEM
- COMMUNICATIONS / DATA
- WATER DISTRIBUTION SYSTEM
- HOT WATER HEATERS
- PLUMBING SYSTEMS & FIXTURES



HEALTH SUPPORT

- PERSONNEL SECURITY
- PATIENT EXPERIENCE
- SECURE STORAGE
- ACOUSTIC PRIVACY
- VISUAL PRIVACY
- EQUIPMENT STANDARDS
- TECHNOLOGY



HEALTH BUREAU AT ALLIANCE HALL

EXISTING CONDITIONS



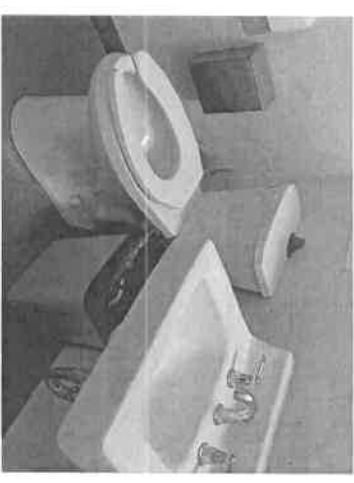
LACK OF OFFICE SPACE - PRIVACY CONCERNS



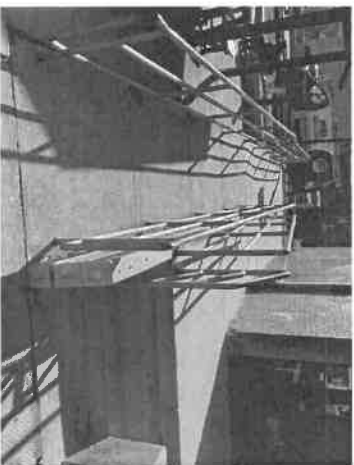
LACK OF SPACE FOR MASS-VACCINATIONS



LACK OF STORAGE FOR LARGE INVENTORY



NON-COMPLIANT RESTROOMS



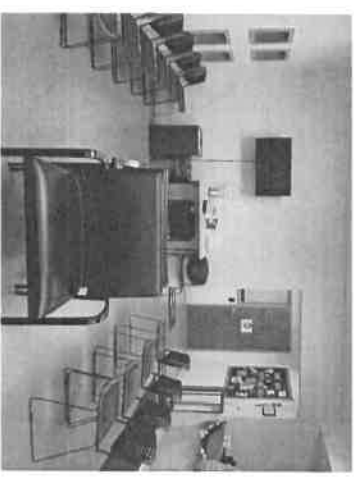
ADA / CODE-COMPLIANCE ISSUES



LACK OF PARKING - RENT MULTIPLE LOTS



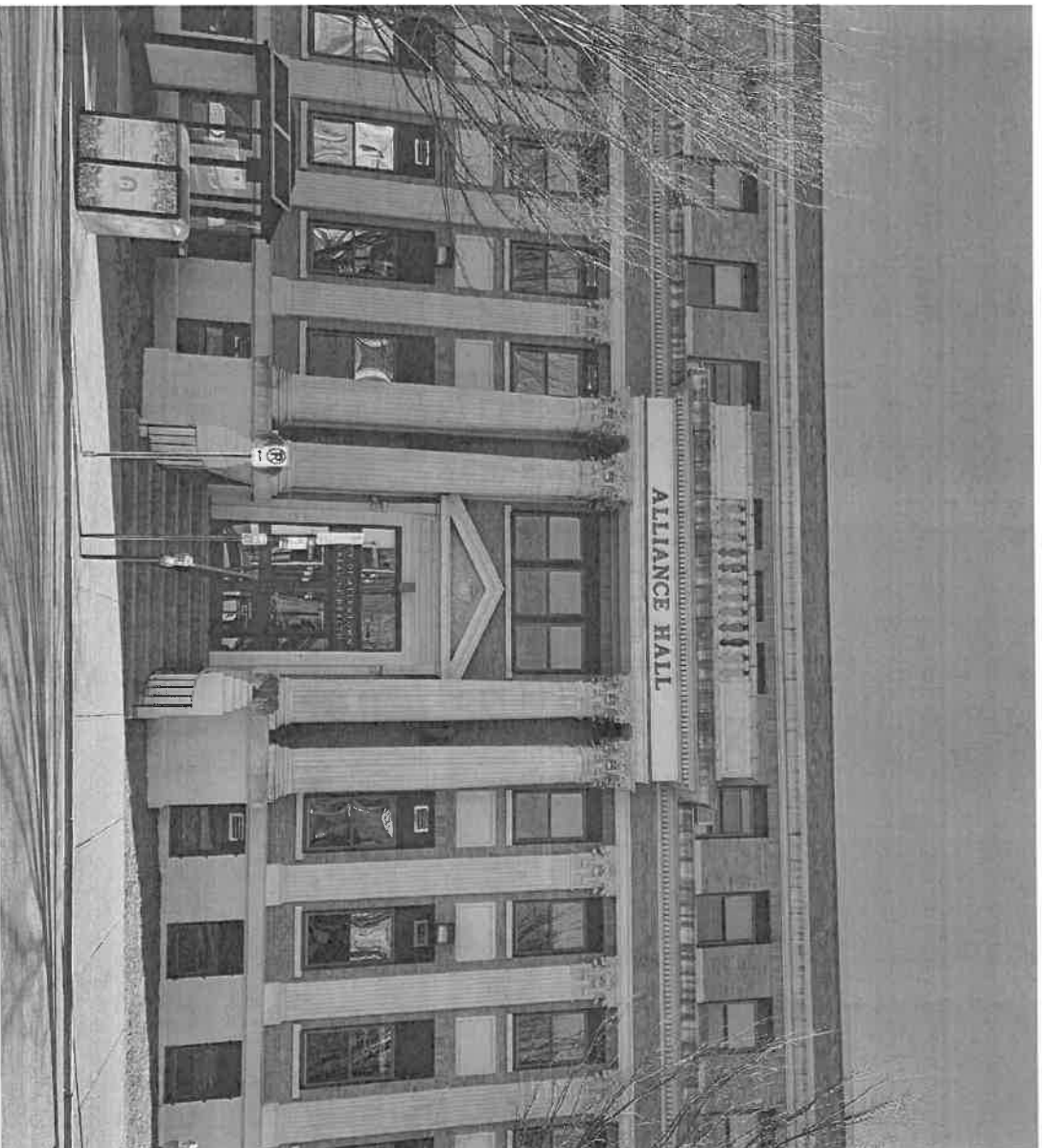
LACK OF ACOUSTIC PRIVACY IN EXAM ROOMS



SMALL WAITING AREA

HEALTH BUREAU AT ALLIANCE HALL

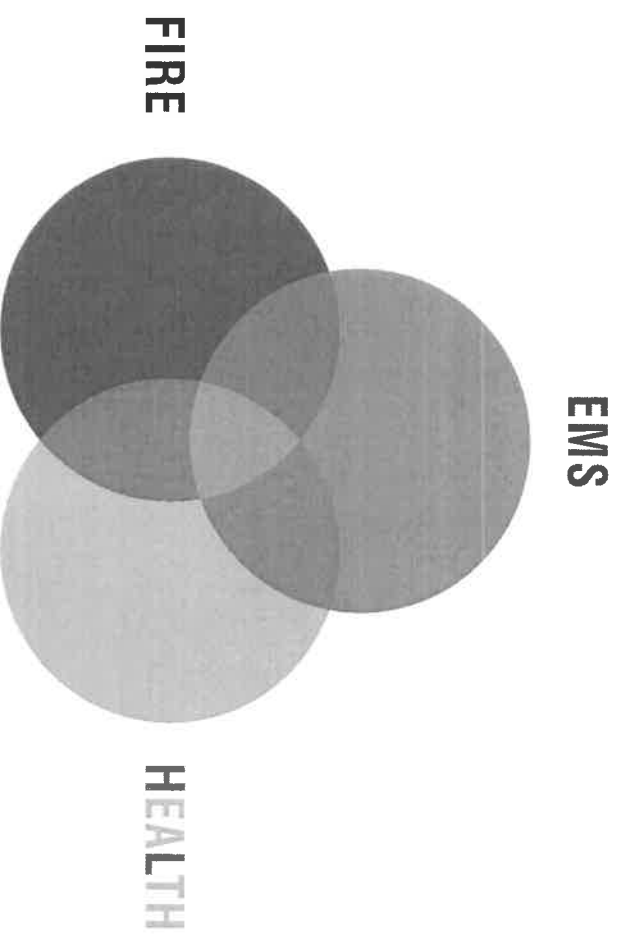
KEY TAKEAWAYS



- POOR HEALTH BUREAU FUNCTION
- 100 YEAR OLD BUILDING
- SHARED SPACE WITH TENANTS
- ADA / CODE-COMPLIANT ISSUES
- HIPAA CONCERNS
- LACK OF PARKING
- DISCONNECTED PROGRAMMING

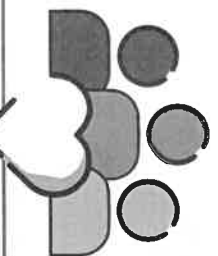


OVERALL EXISTING ASSESSMENT

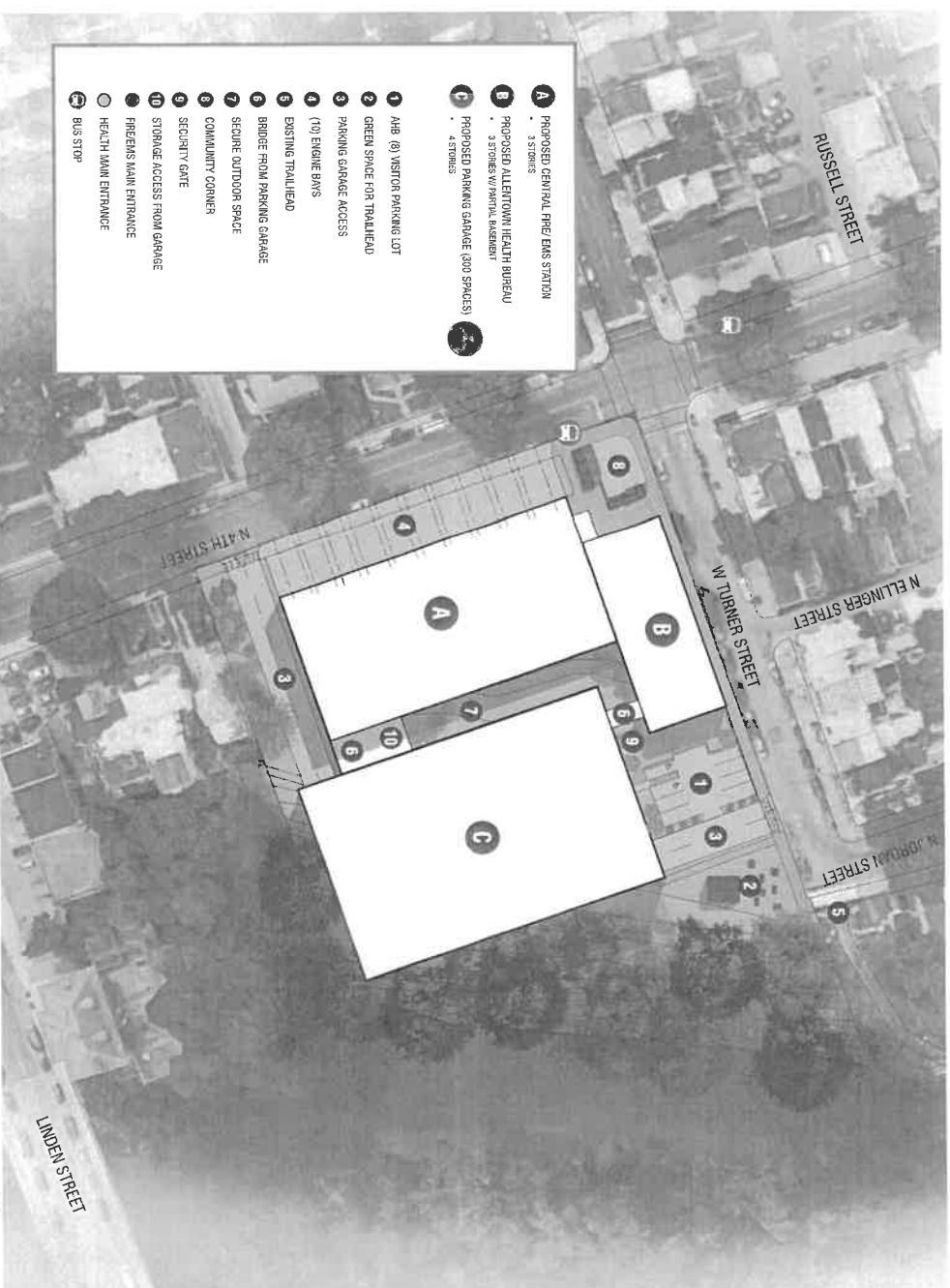


- 3 DEPARTMENTS WORK IN 2 BUILDINGS 0.2 MILES APART
- BUILDINGS ARE 100 YEARS OLD
- BUILDINGS WERE NOT BUILT FOR THE PURPOSE THEY ARE SERVING
- ENHANCE OPPORTUNITIES FOR COLLABORATION

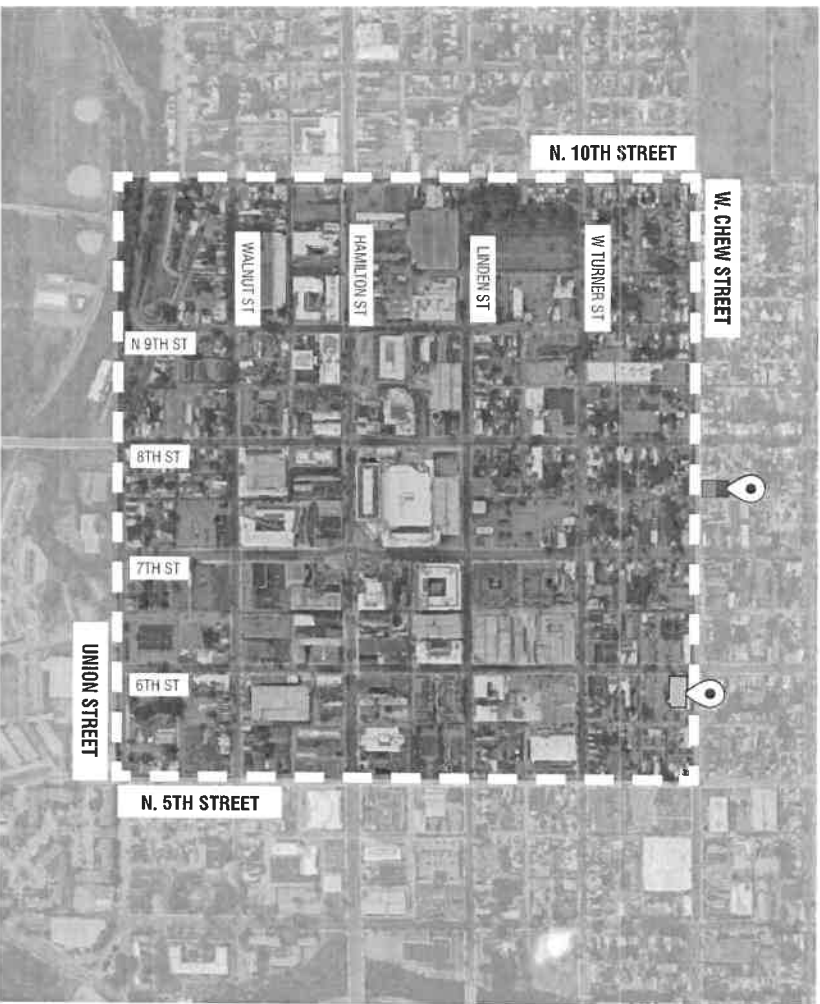
ALLENTOWN LIFE SAFETY & WELLNESS CENTER



PROPOSED TOTALS
65 TOTAL STAFF MEMBERS
90 PLANNED CAPACITY
65,500 SF TOTAL SQUARE FOOTAGE INCLUDING BUILDING SUPPORT



ALLENTOWN LIFE SAFETY & WELLNESS CENTER POTENTIAL LOCATIONS

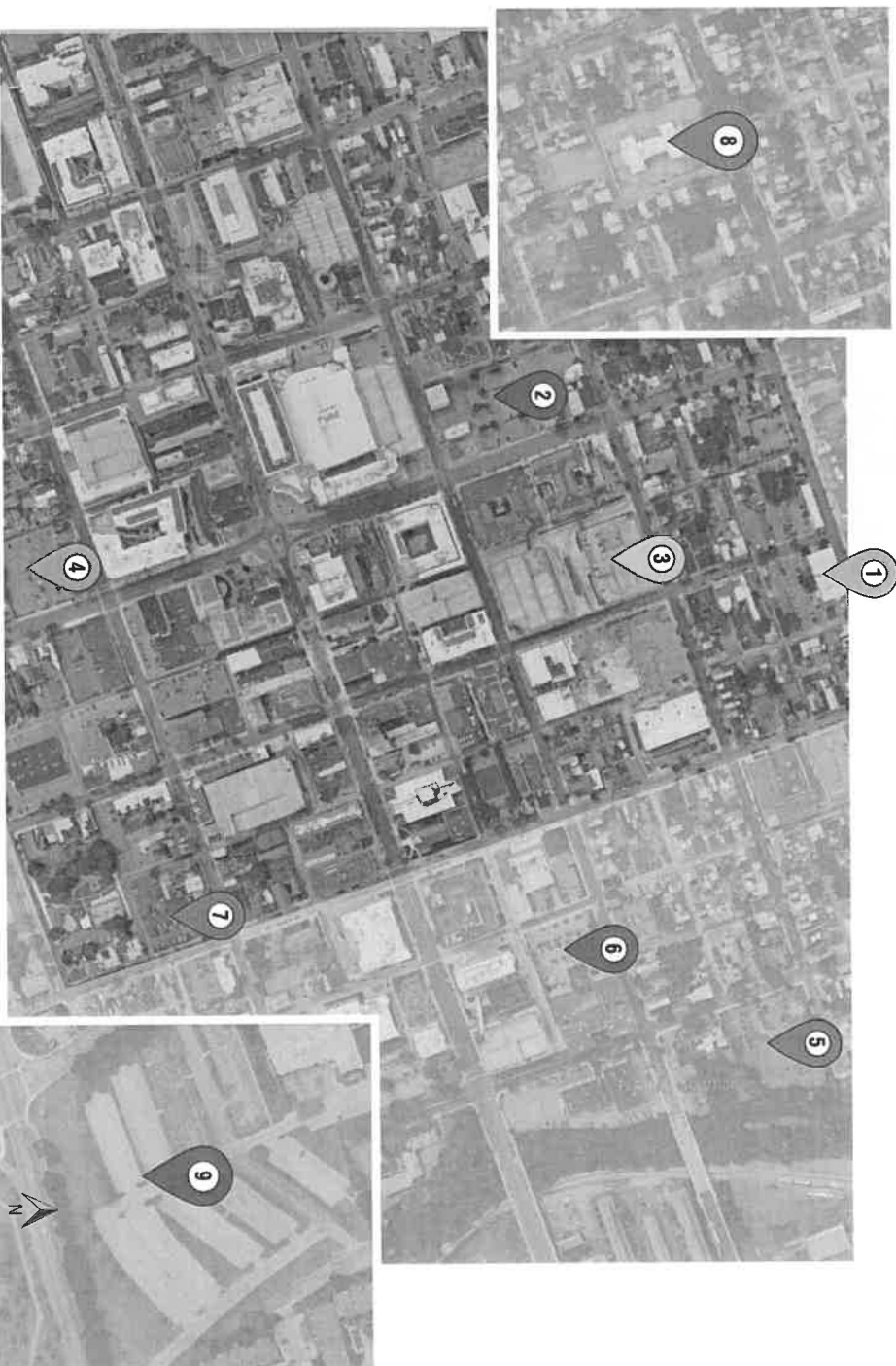


LOCATION CRITERIA	
City-owned property	
Within preferred city radius	
Adjacent to public transportation	
Ample parking	
Not on main thoroughfare	
All three departments under one roof	
Ability for department growth	
Operations online 24/7 during construction	

ALLENTOWN LIFE SAFETY & WELLNESS CENTER

POTENTIAL LOCATIONS

- ① **Alliance Hall Lots**
N. 6th Street & W. Chew Street
Current location
- ② **7th & Turner APA Lots**
724 W. Turner Street
< .1 mile from Central
- ③ **Morning Call Garage**
N. 6th Street & W. Turner Street
< .3 mile from Central
- ④ **7th & Walnut APA Lot**
108 S. 7th Street
< .5 mile from Central
- ⑤ **4th & Turner Lot**
N. 4th Street & W. Turner Street
< .6 mile from Central
- ⑥ **Lehigh County Prison Parking Lot**
38 N. 4th Street
< .6 mile from Central
- ⑦ **5th & Walnut Lots**
502 W. Walnut Street
< .7 mile from Central
- ⑧ **McKinley Elementary Lot**
1124 W. Turner Street
< .6 mile from Central
- ⑨ **Building 21 Parking Lots**
265 Lehigh Street
< .8 mile from Central



ALLENTOWN LIFE SAFETY & WELLNESS CENTER

INSPIRATION



COLLABORATION OPPORTUNITIES



SPACE FOR COMMUNITY CONNECTIONS



GREENERY OPPORTUNITIES



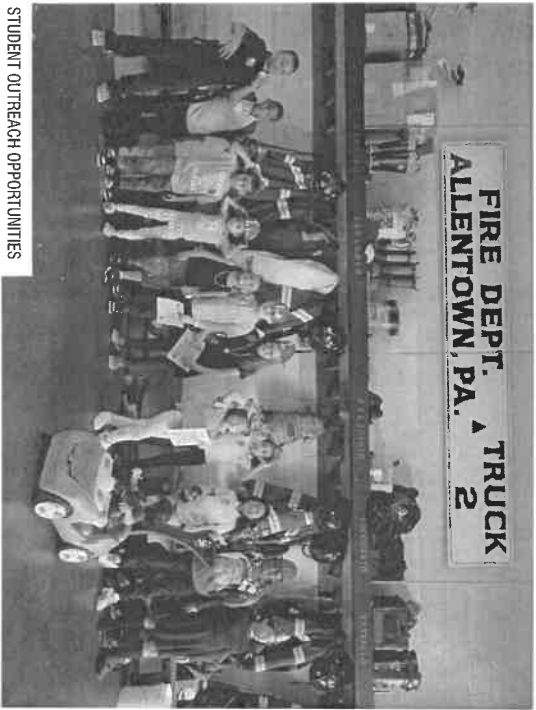
ENHANCED LIVING ENVIRONMENT



LARGE CLEAR BAYS

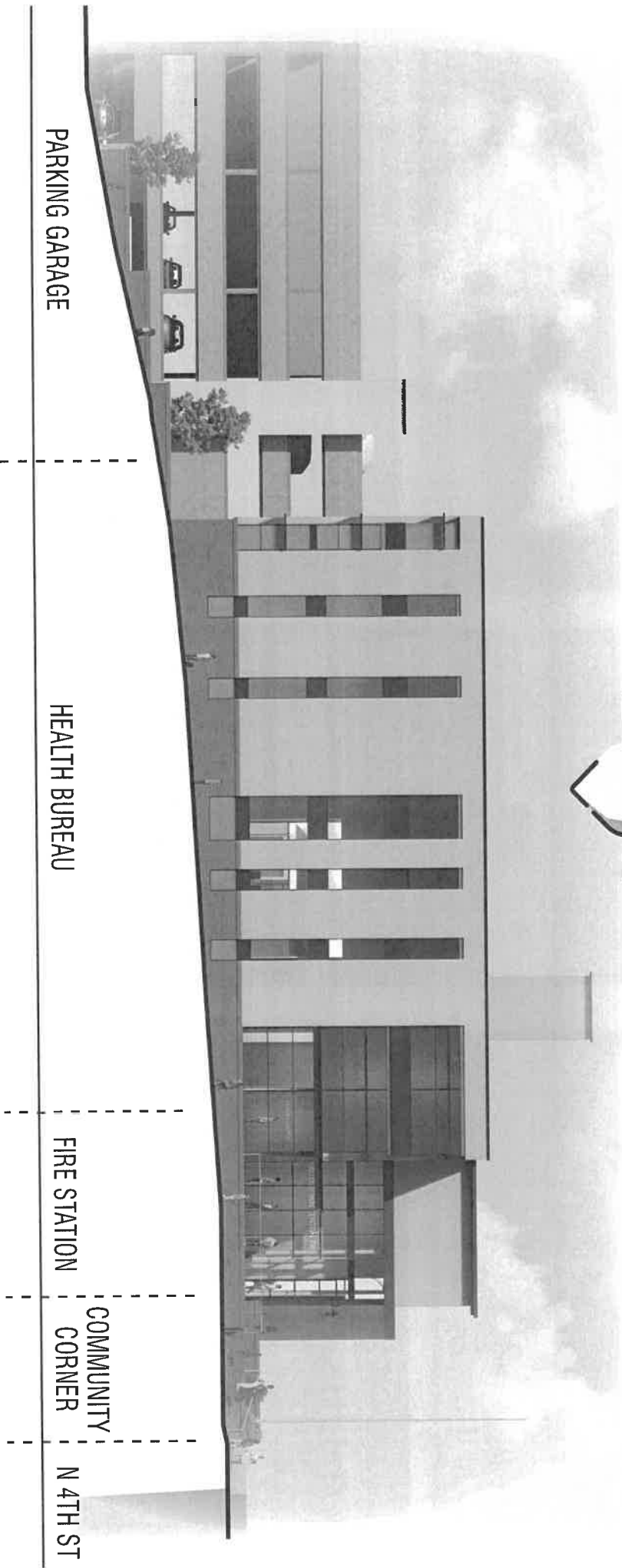
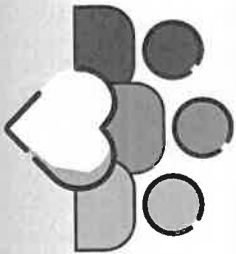


COMMUNITY CORNER



STUDENT OUTREACH OPPORTUNITIES

ALLENTOWN LIFE SAFETY & WELLNESS CENTER



PARKING GARAGE

HEALTH BUREAU

FIRE STATION

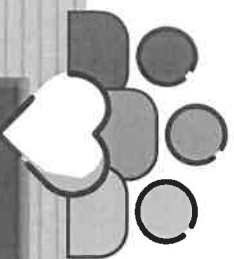
COMMUNITY
CORNER

N 4TH ST

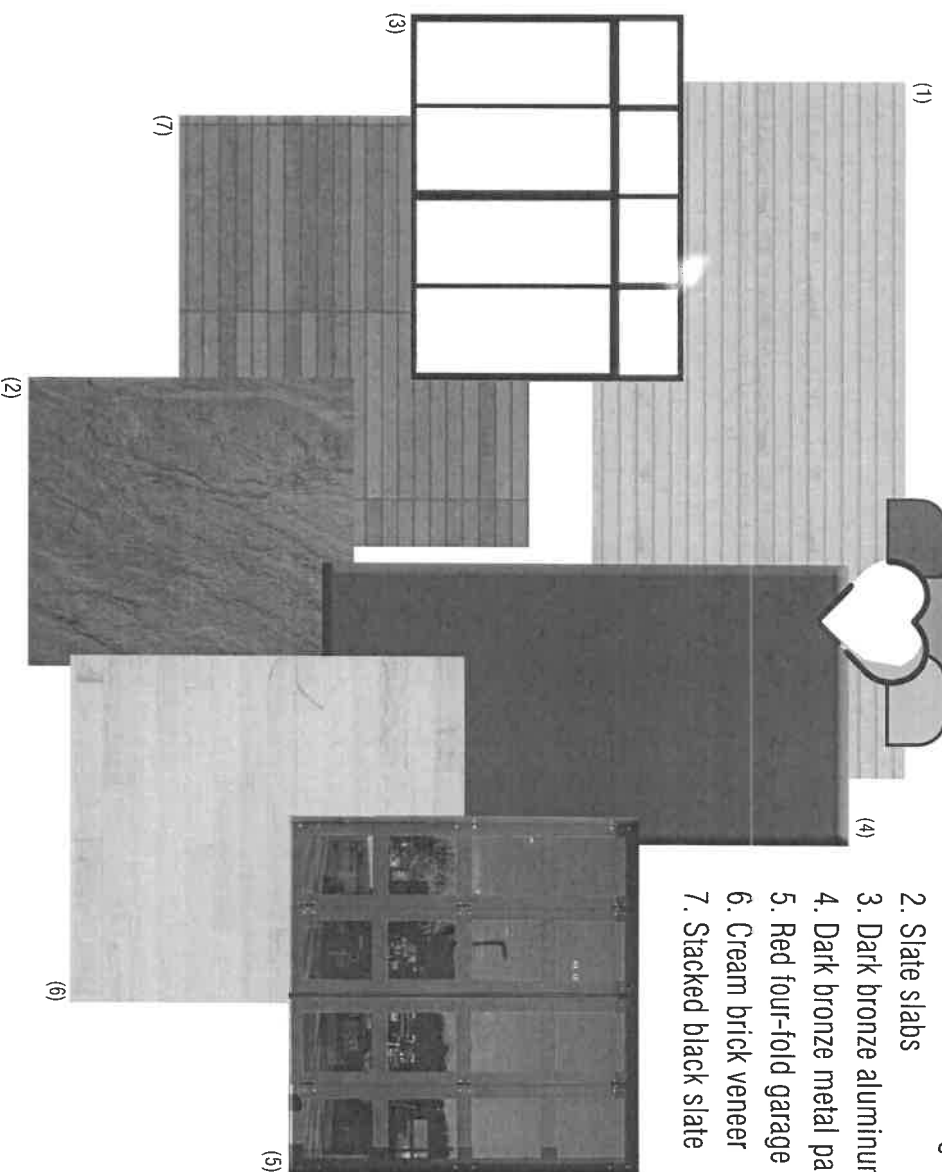
ALLOY5
ARCHITECTURE



ALLENTOWN LIFE SAFETY & WELLNESS CENTER



1. Limestone cladding
2. Slate slabs
3. Dark bronze aluminum storefront
4. Dark bronze metal panel accents
5. Red four-fold garage doors
6. Cream brick veneer
7. Stacked black slate

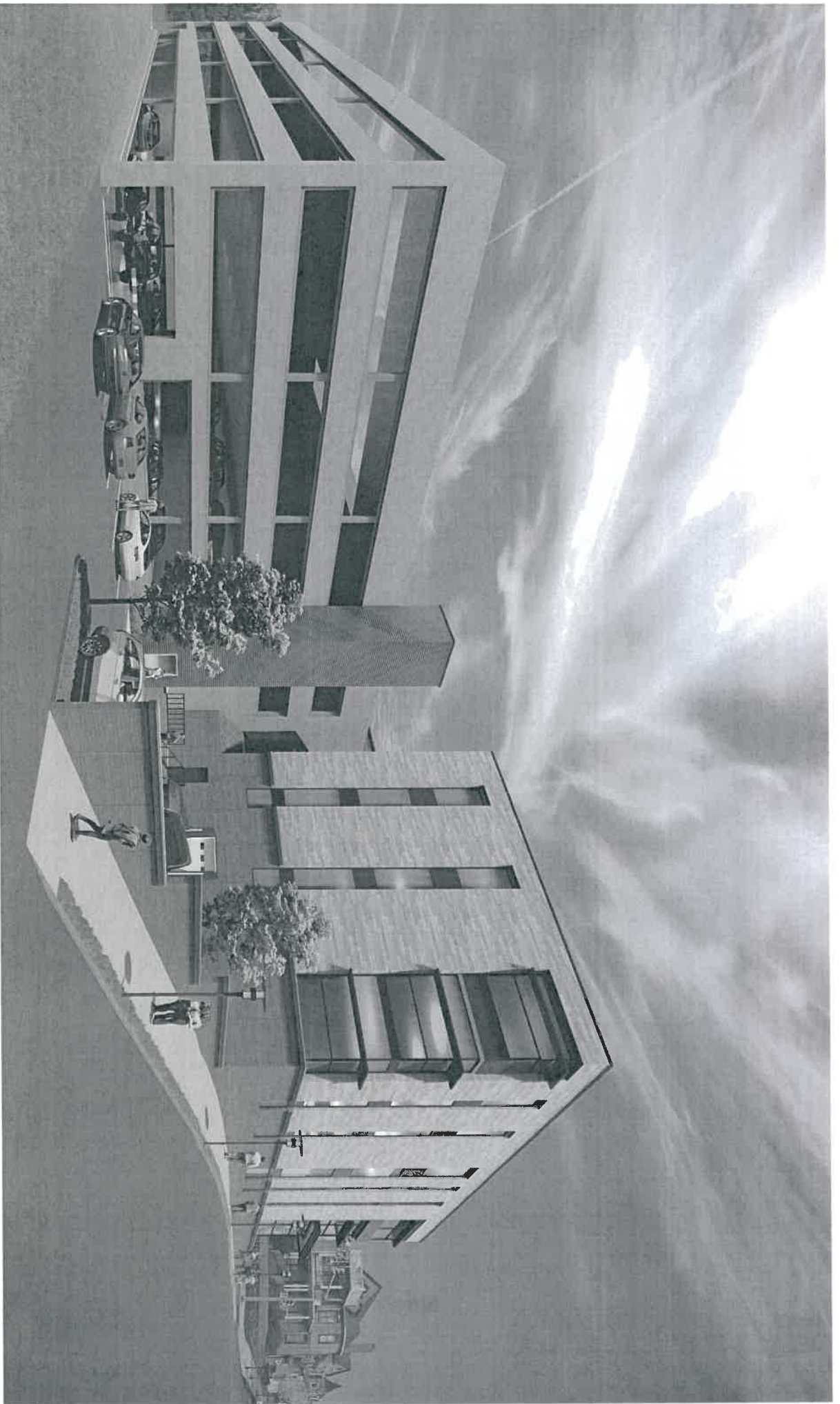


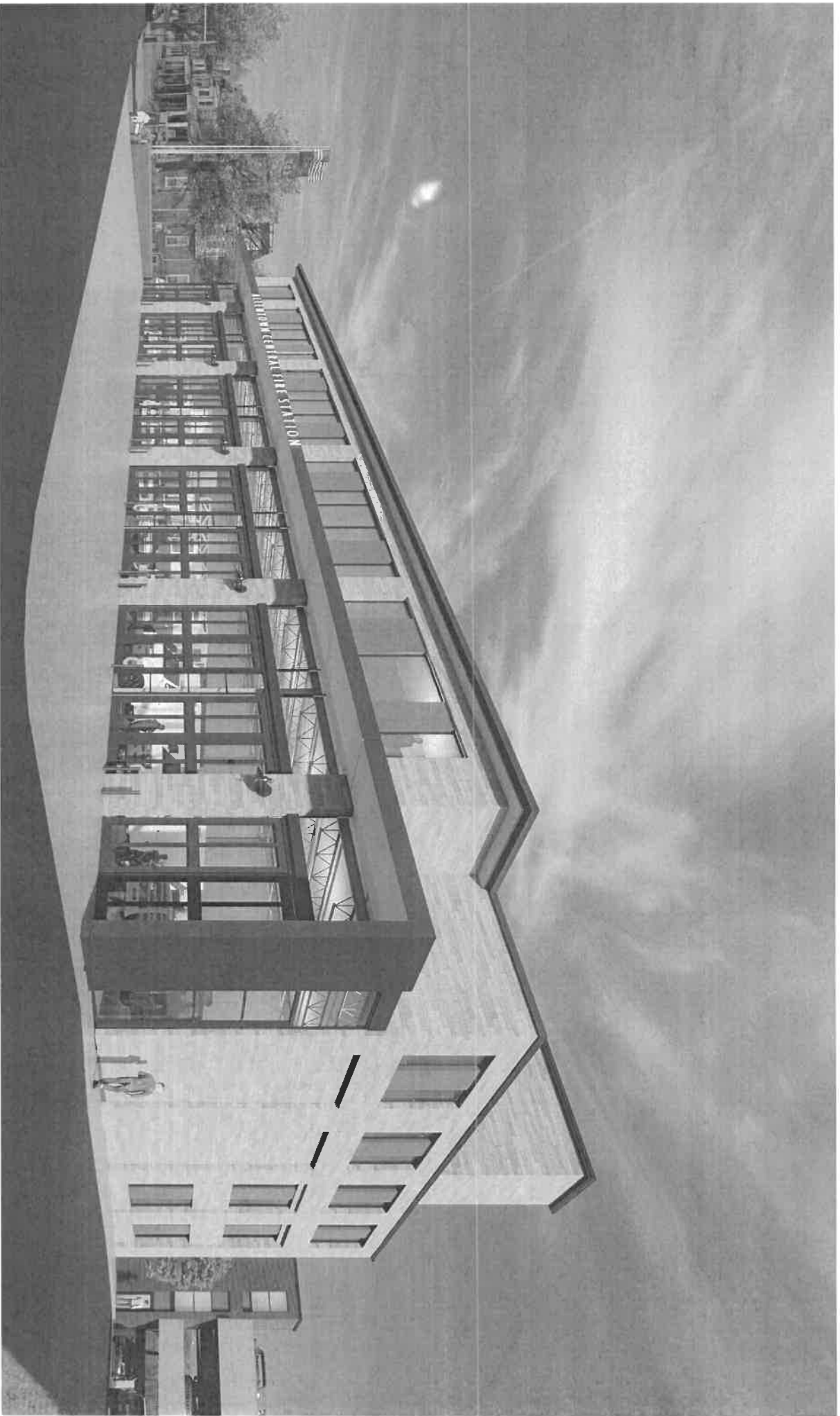




ALLOY5
ARCHITECTURE







ALLOY5
ARCHITECTURE



ALLENTOWN LIFE SAFETY & WELLNESS CENTER

PROBABLE COSTS

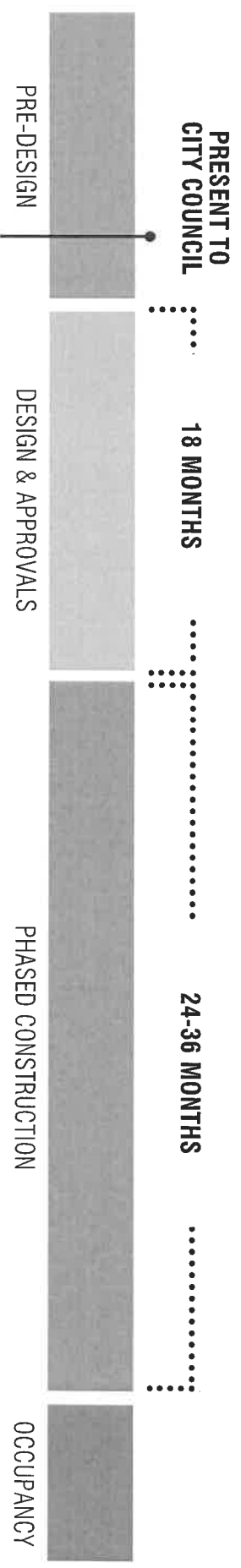
	Budget - Low	Budget - High
PHASE 1: PARKING GARAGE (approx. 300 spots)	\$ 9,300,000	\$10,500,000
PHASE 2: LIFE SAFETY WELLNESS CENTER	\$32,357,000	\$33,405,000
SITEWORK	\$ 7,498,260	\$ 7,902,900
TOTAL CONSTRUCTION COSTS	\$49,155,260	\$51,807,900
PROJECT CONTINGENCY - 10%	\$ 4,915,526	\$ 5,180,790
TOTAL SOFT COSTS	\$ 8,123,289	\$ 8,521,185
TOTAL PROJECT COSTS*	\$62,194,075	\$65,509,875
ESCALATION (3.5% per year**)		
BID YEAR 2026	\$67,802,721	
BID YEAR 2027	\$70,175,816	
BID YEAR 2028	\$72,631,969	

* 10% Contingency added to Total Construction Costs to anticipate unforeseen items.
 ** Bid year represents last quarter. 3.5% escalation factors in projected inflation rates

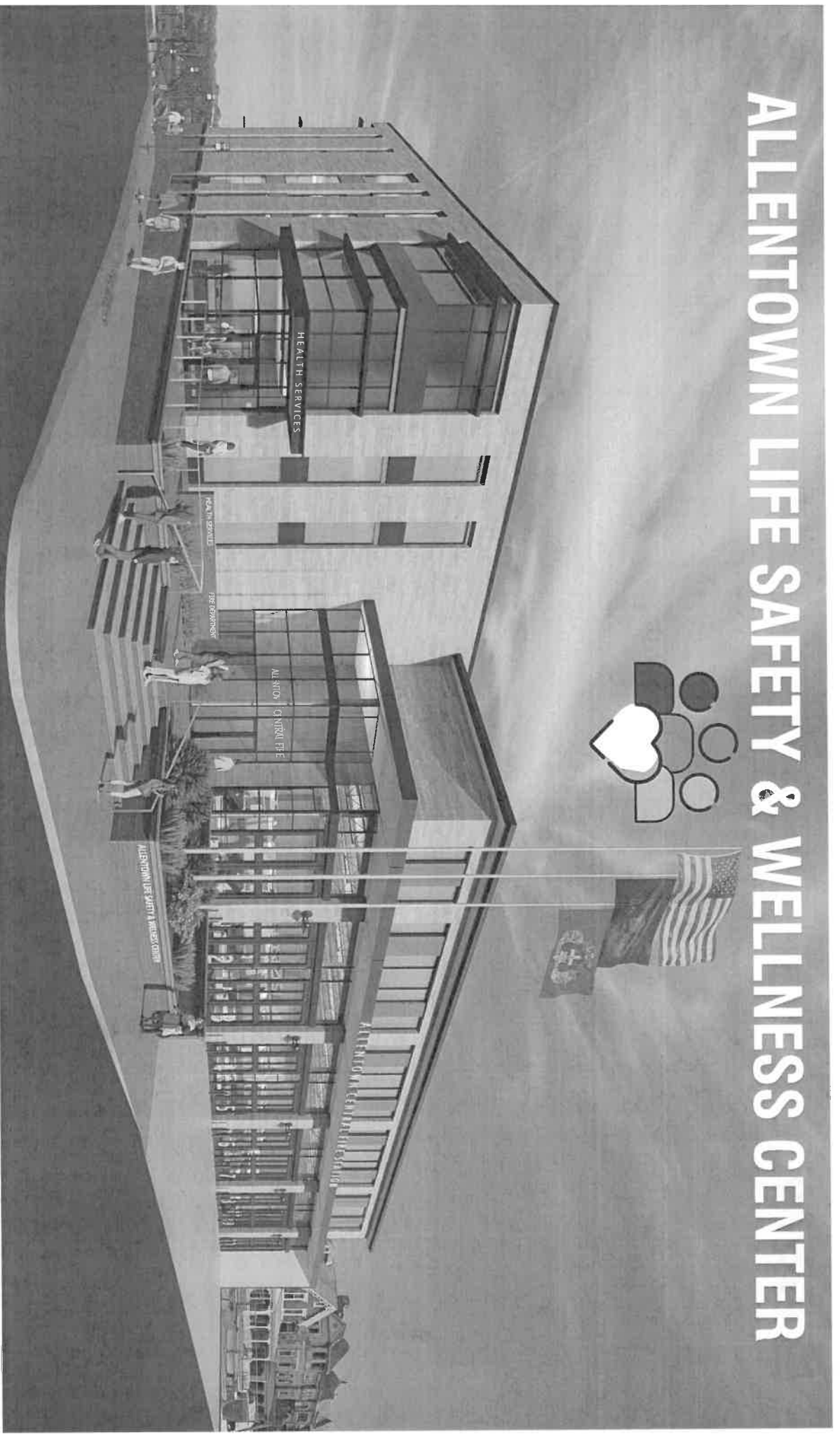
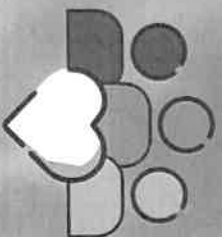
ALLENTOWN LIFE SAFETY & WELLNESS CENTER

NEXT STEPS

TIMELINE AND PHASING



ALLENTOWN LIFE SAFETY & WELLNESS CENTER



ALLOY 5
ARCHITECTURE





**THANK YOU
QUESTIONS?**

ALLENTOWN
FIRE DEPT.

