



Unified Government Clerk's Office

Monica L Sparks
Unified Government Clerk

701 North 7th Street, Suite 323
Kansas City, Kansas 66101-3070

Phone: 913-573-5260
Fax: 913-573-5299
<http://www.wycokck.org>

NOTICE OF SPECIAL MEETING

To the Members of the Governing Body of the
Unified Government of Wyandotte County/Kansas City, Kansas:

You are hereby notified that a Special Meeting of the Unified Government of Wyandotte County/Kansas City, Kansas, is scheduled to be conducted in a hybrid format on Thursday, September 26, 2024, at 5:00 PM, for a presentation regarding the Kansas City, Kansas Fire Department Master Plan in the fifth-floor conference room of the Municipal Office Building, 701 N. 7th Street, Kansas City, Kansas.

The public will be able to observe or listen to the special session live on YouTube or UGTV, or through ZOOM; information is below. The public may also view the special session from the fifth-floor conference room of the Municipal Office Building, 701 N. 7th Street, Kansas City, Kansas.

Please click the link below to join the webinar:

<https://us02web.zoom.us/j/82063764718>

Webinar ID: 820 6376 4718

Or One tap mobile:

+12532158782,81423989537# US (Tacoma)

+13462487799,81423989537# US (Houston)

Or Telephone:

Dial (for higher quality, dial a number based on your current location):

+1 253 205 0468 US; +1 253 215 8782 US (Tacoma); +1 346 248 7799 US (Houston)

+1 669 444 9171 US; +1 669 900 9128 US (San Jose); +1 719 359 4580 US

+1 309 205 3325 US

+1 312 626 6799 US (Chicago)

+1 360 209 5623 US

+1 386 347 5053 US

+1 507 473 4847 US

+1 564 217 2000 US

+1 646 558 8656 US (New York)

+1 646 931 3860 US

+1 689 278 1000 US

+1 301 715 8592 US (Washington DC)

+1 305 224 1968 US

877 853 5257 US Toll-Free

888 475 4499 US Toll-Free

International numbers available:

<https://us02web.zoom.us/j/82063764718>

Dated this 24th day of September 2024.

KANSAS CITY KANSAS FIRE DEPARTMENT MASTER PLAN





MISSION STATEMENT



Prevent Harm



Survive and Thrive



Be Nice and Be Kind

SECTION 1 - PREFACE AND PROJECT INTRODUCTION

INTRODUCTION TO THE MOA AND MASTER PLAN

MEMORANDUM OF AGREEMENT OVERVIEW

- A LANDMARK AGREEMENT BETWEEN THE UNIFIED GOVERNMENT OF WYANDOTTE COUNTY/KANSAS CITY, KANSAS, AND INTERNATIONAL ASSOCIATION OF FIREFIGHTERS LOCAL No. 64, SET TO REDEFINE FIRE/EMS SERVICES STARTING JULY 1, 2022
- **EFFECTIVE FROM JULY 1, 2022:** AIM TO DEVELOP A COMPREHENSIVE MASTER PLAN FOR FIRE/EMS SERVICE DELIVERY
- AUTHORITY DERIVED FROM MOA ARTICLE 35, EMPHASIZING THE COLLABORATIVE EFFORT FOR THIS CRITICAL MISSION

PURPOSE, GOALS, AND STRATEGIC PLANNING

STRATEGIC PLANNING AND COMMITTEE GOALS

- FORM A STRATEGIC PARTNERSHIP WITH IAFF LOCAL 64 AND FIRE ADMINISTRATION TO DEVELOP THE MASTER PLAN
- INTRODUCTION TO THE COMMITTEE'S PURPOSE: TO UNDERTAKE A COMPREHENSIVE ANALYSIS FOR FIRE/EMS SERVICES TO DEVELOP A TEN YEAR PLAN
- KEY FACTORS FOR PLAN DEVELOPMENT CONSIDERATION ARE STATION LOCATIONS, STAFFING, RESPONSE TIMES, COMMUNITY AND FIRE FIGHTER SAFETY ACCORDING TO NATIONAL FIRE PROTECTION ASSOCIATION STANDARD 1710*
- THE STRATEGIC PLANNING COMMITTEE, A JOINT UNION-MANAGEMENT INITIATIVE, IS TASKED WITH DEVELOPING RECOMMENDATIONS TO OPTIMIZE FIRE/EMS SERVICE DELIVERY. THIS INCLUDES EXAMINING VARIOUS REPORTS AND DATA TO INFORM THEIR DECISIONS

* See Appendix B in the Master Plan text (2024)

STAFFING REQUIREMENTS

ANALYSIS OF MINIMUM STAFFING AND SAFETY STANDARDS

MINIMUM STAFFING REQUIREMENTS FROM MEMORANDUM OF AGREEMENT (P. 54-55):

- AT LEAST 73 SUPPRESSION PERSONNEL PER SHIFT
- THREE SAFETY OFFICERS ON DUTY AT ALL TIMES
- STAFFING LEVELS FOR PUMPERS, AND LADDER TRUCKS
- MINIMUM NUMBER OF COMPANIES

STRATEGIC ANALYSIS TO BE DETERMINED ARE:

- STATION LOCATIONS
- DEPLOYMENT STRATEGIES
- REACH AND MAINTAIN REQUIREMENT IN NFPA 1710 STANDARDS FOR FIRE AND EMERGENCY SERVICES

SECTION 2 – FIRE/EMS STATION LOCATIONS AND CONDITIONS

FIRE/EMS STATION LOCATIONS AND CONDITIONS

- KCKFD PROTECTS 128 SQUARE MILES, SERVING OVER 153,345 RESIDENTS PLUS DAILY INFLUX OF WORKERS/VISITORS
- WE HAVE ONE OF AMERICA'S LARGEST RAIL HUBS WITHIN OUR BORDERS, AND BURIED UNDERNEATH OUR SOIL ARE MILES OF PETROLEUM AND NATURAL GAS PIPELINES
- KCKFD HAS BEEN DESIGNED TO BE AN ALL HAZARDS DEPARTMENT CAPABLE OF HANDLING EVERY TYPE OF INCIDENT

FIRE/EMS STATION LOCATIONS AND CONDITIONS

ENHANCING EFFICIENCY THROUGH STRATEGIC CONSOLIDATION

- MERGER OF FIRE STATION 16 AND 17 INTO A SINGLE NEW FACILITY, THEREBY SAVING MORE THAN \$12 MILLION IN CONSTRUCTION COSTS
- CONSOLIDATION ENHANCES THE GREATER TURNER COMMUNITY WITH UPDATED FACILITIES AND APPARATUS
- THE NEW HOME OF MEDIC 17, TRUCK 17, PUMPER 16, READY RESERVE 16, BRUSH TRUCK 16, BATTALION CHIEF 2, AND SAFETY OFFICER 2

FIRE/EMS STATION LOCATIONS AND CONDITIONS

STRATEGIC GOALS FOR OPTIMIZING STATION LOCATIONS

- MEET NFPA STANDARD 1710; INSURANCE SERVICES OFFICE (ISO); AND NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (NIST) FOR STATION LOCATION AND RESPONSE TIMES
- FOUR MINUTE RESPONSE TIME GOAL FOR ARRIVAL OF THE FIRST UNIT
- DECEMBER 11, 2023, REORGANIZATION FROM 19 TO 18 STATIONS TO IMPROVE EFFICIENCY AND SAVE COSTS
- SPECIFIC FOCUS ON ENSURING A SAFE, CLEAN, AND COMFORTABLE WORKPLACE FOR FIRE/EMS PERSONNEL

FIRE/EMS STATION LOCATIONS AND CONDITIONS

OPTIMIZING RESPONSE TIMES

- DEFINED TURNOUT TIME DURING THE DAY IS 80 SECONDS. THE NIGHT TURNOUT TIME IS 120 SECONDS FOR EMERGENCIES
- MAINTAIN A FOUR MINUTE TRAVEL TIME FOR FIRST RESPONDERS TO ANY EMERGENCY
- DETAILED RESPONSE TIME GOALS FOR SUBSEQUENT ARRIVING UNITS



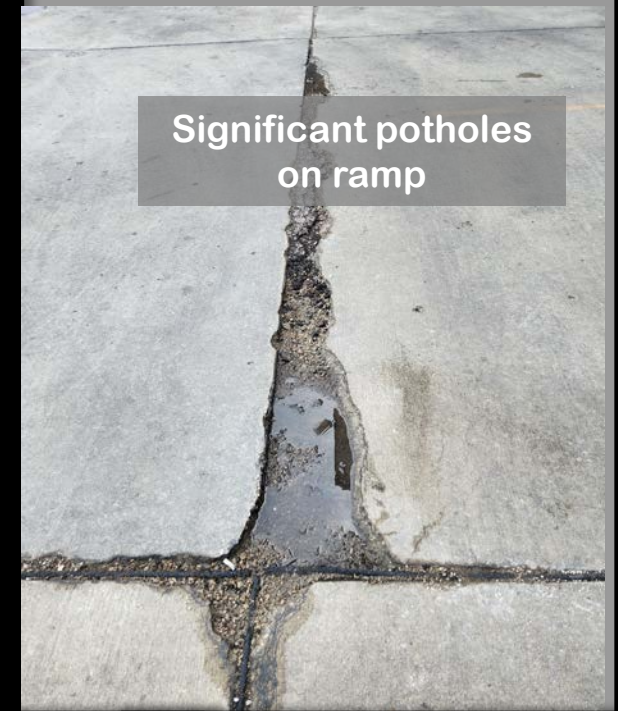
Fire Headquarters – Strawberry Hill
Condition: Deplorable
Built in 1930 - 94 years old
Home to 39 Fire Fighters and Administration



Water damage throughout building



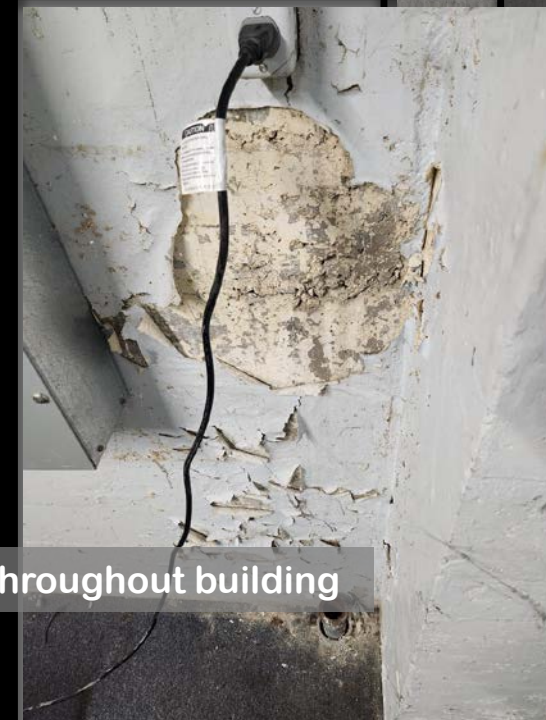
Inadequate floor space



Significant potholes on ramp

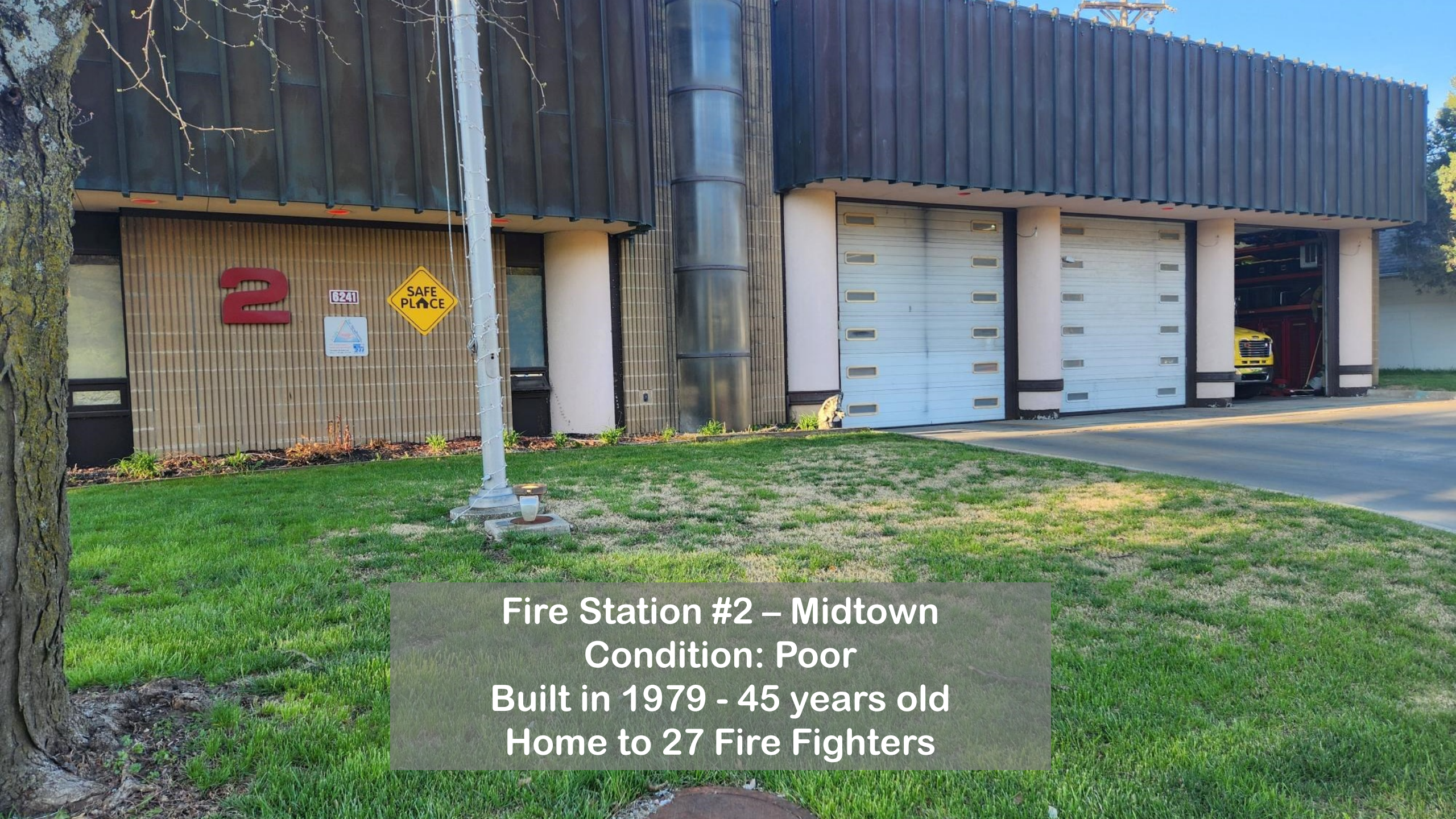


Water damage throughout building



Crumbling floors





Fire Station #2 – Midtown
Condition: Poor
Built in 1979 - 45 years old
Home to 27 Fire Fighters



Inadequate
electrical system



Outdated electrical
system



No room for apparatus



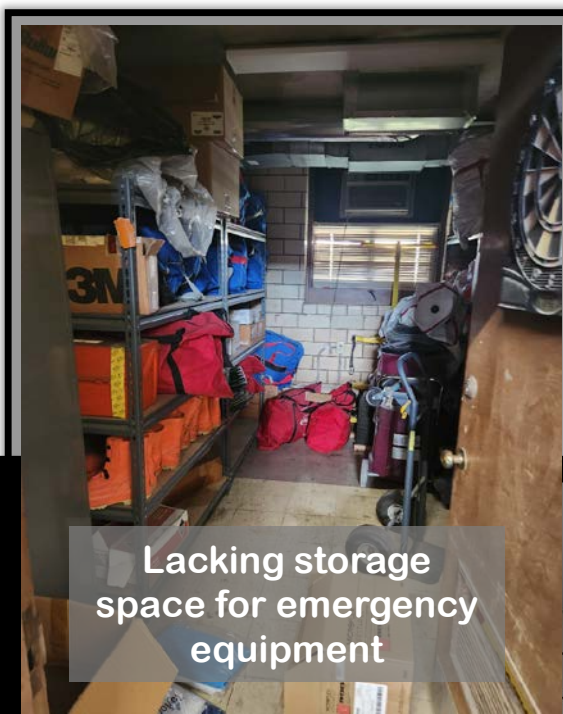
Not enough bay space



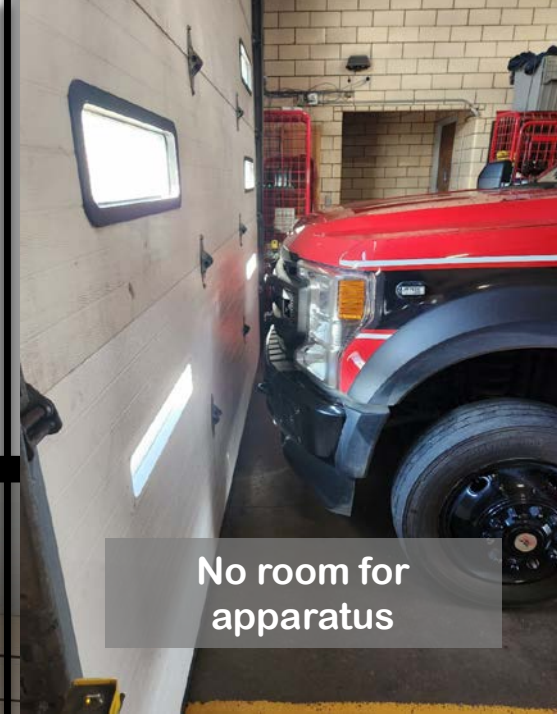
Worn out and broken
cabinet doors



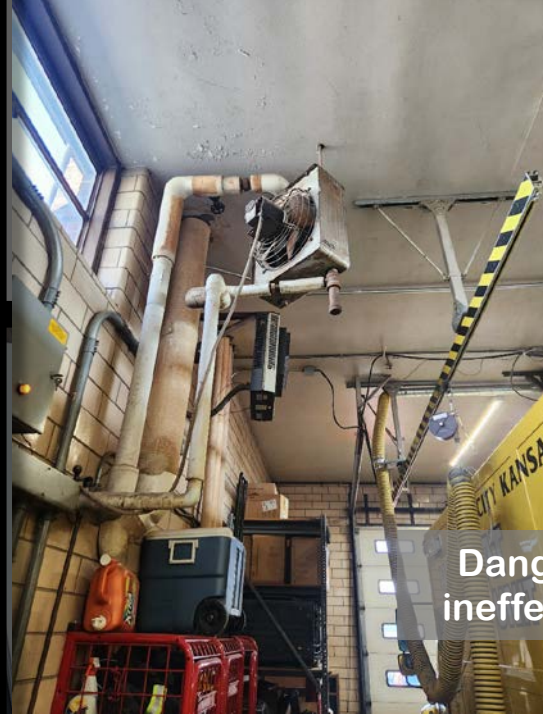
Fire Station #3 – Armourdale
Condition: Deplorable
Built in 1951 - 73 years old
Home to 24 Fire Fighters



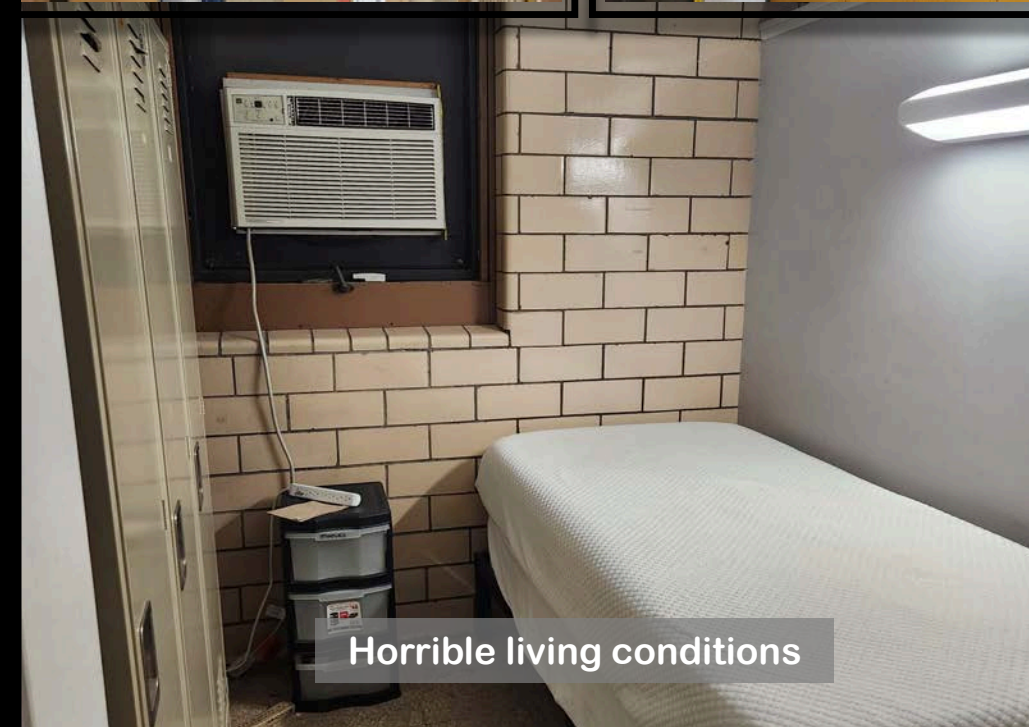
Lacking storage space for emergency equipment



No room for apparatus



Dangerous and ineffective HVAC



Horrible living conditions



Kitchen too small



Fire Station #4 – Bethel
Condition: Deplorable
Built in 1957 - 67 years old
Home to 15 Fire Fighters



Unacceptable bathroom facilities



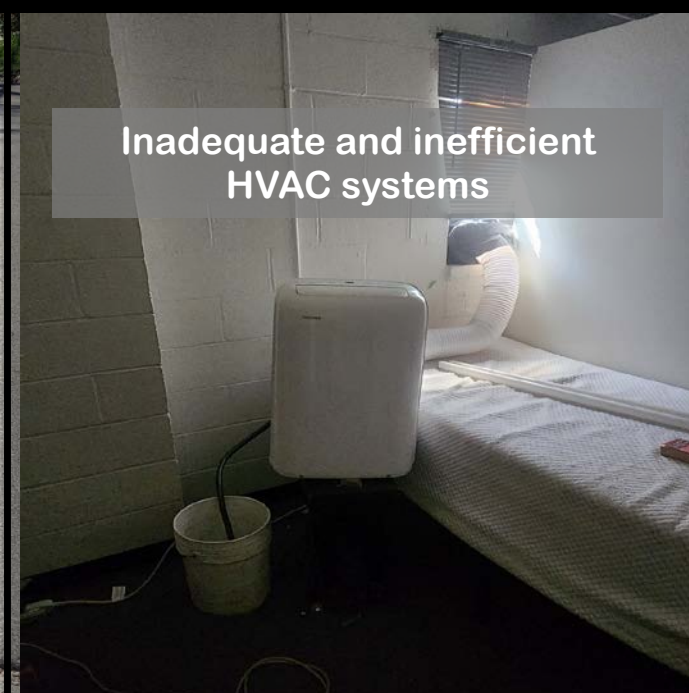
Insufficient laundry facilities



Collapsed retaining wall



Crumbling front ramp



Inadequate and inefficient HVAC systems



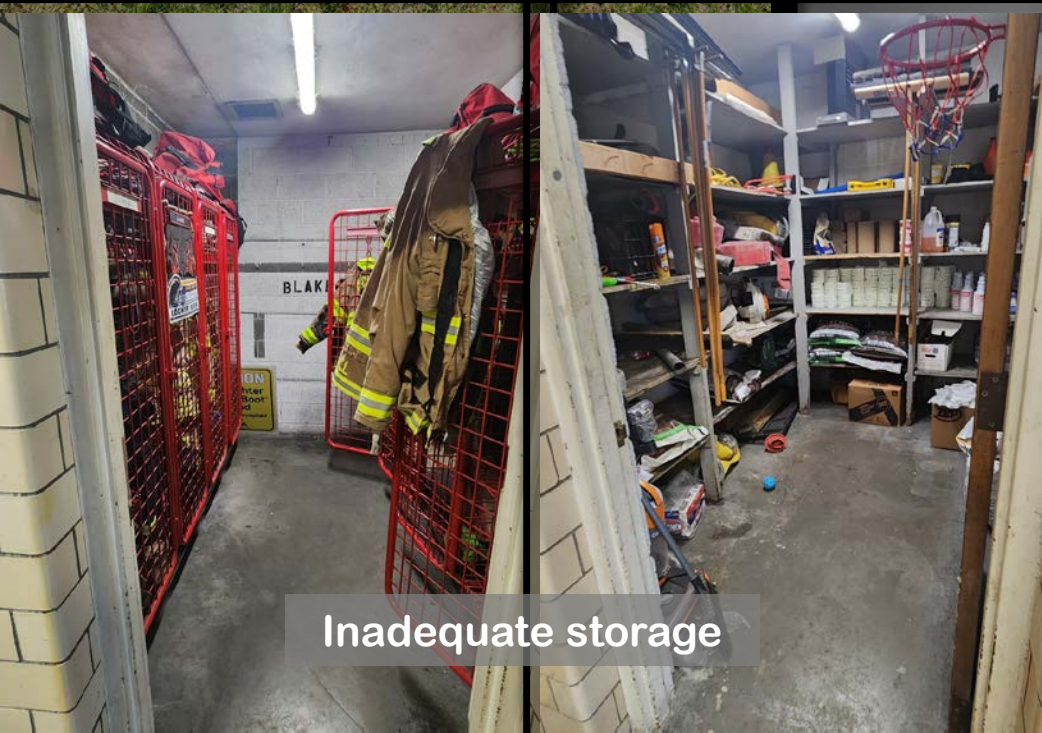
Fire Station #5 – Quindaro
Condition: Deplorable
Built in 1955 - 69 years old
Home to 24 Fire Fighters



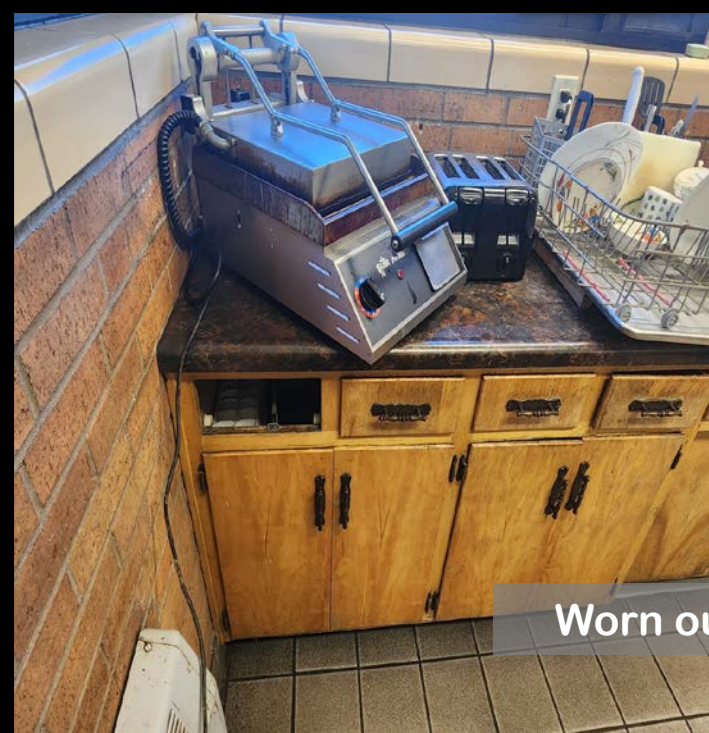
Inadequate HVAC



Basement ceiling collapsed



Inadequate storage



Worn out kitchen



Fire Station #6 – Legends/Village West
Condition: Poor
Built in 2001 - 23 years old
Home to 21 Fire Fighters



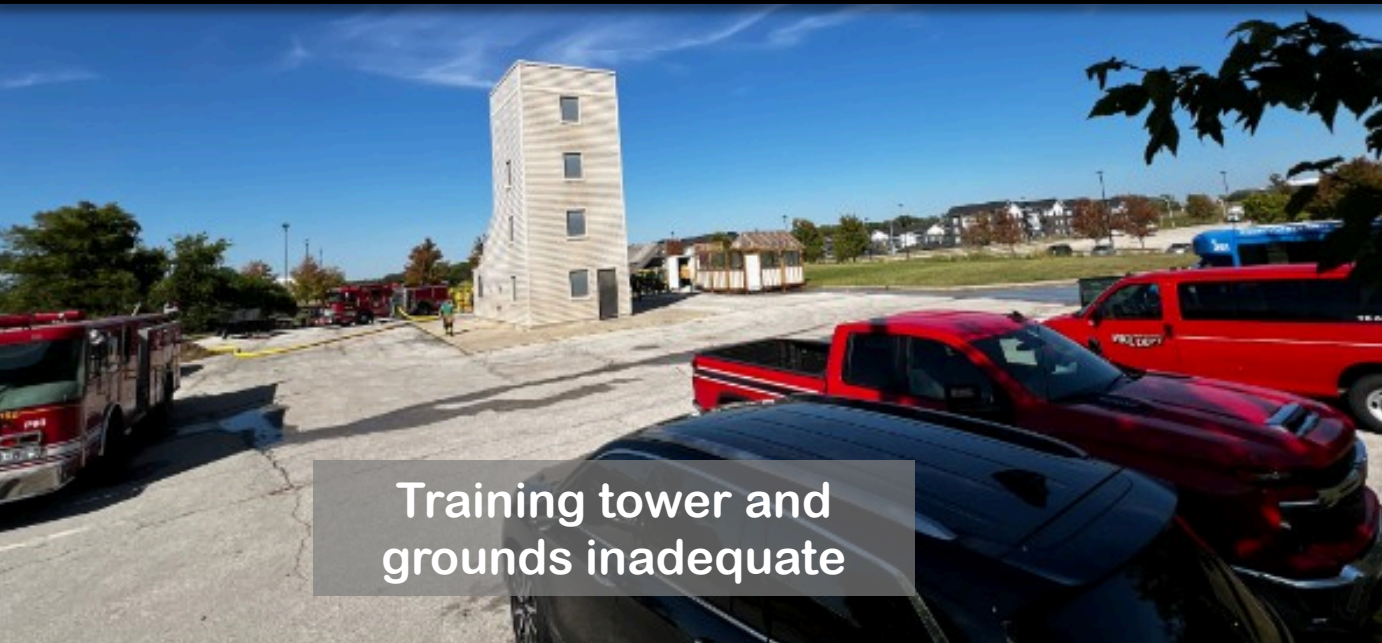
Training Center incompatible use
with Margaritaville



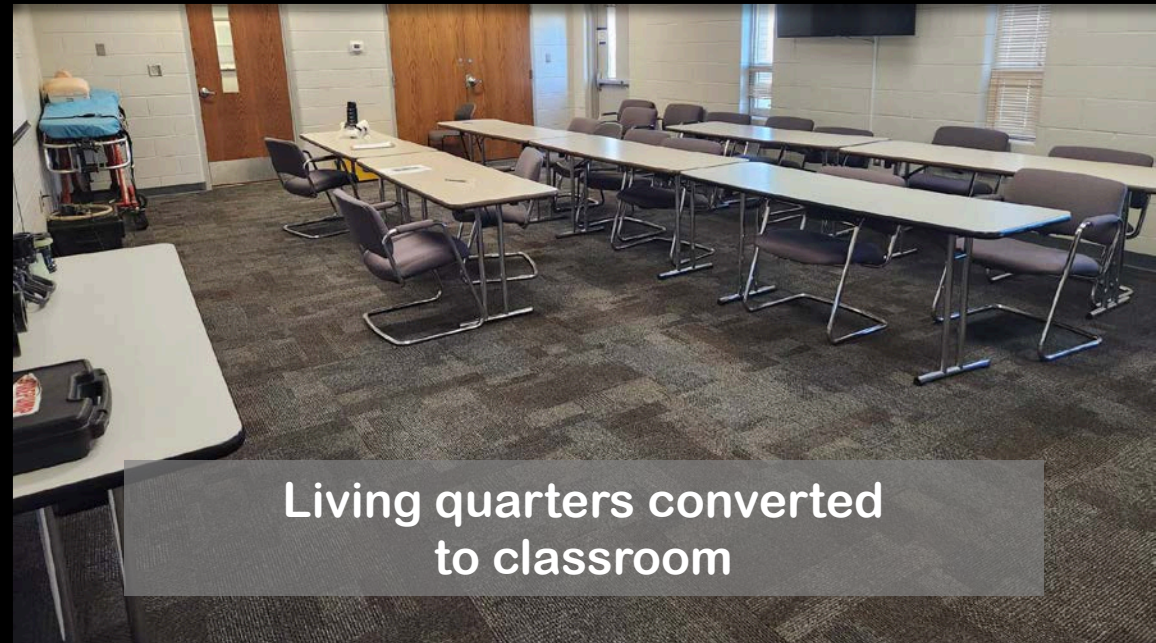
Apparatus Bay at capacity

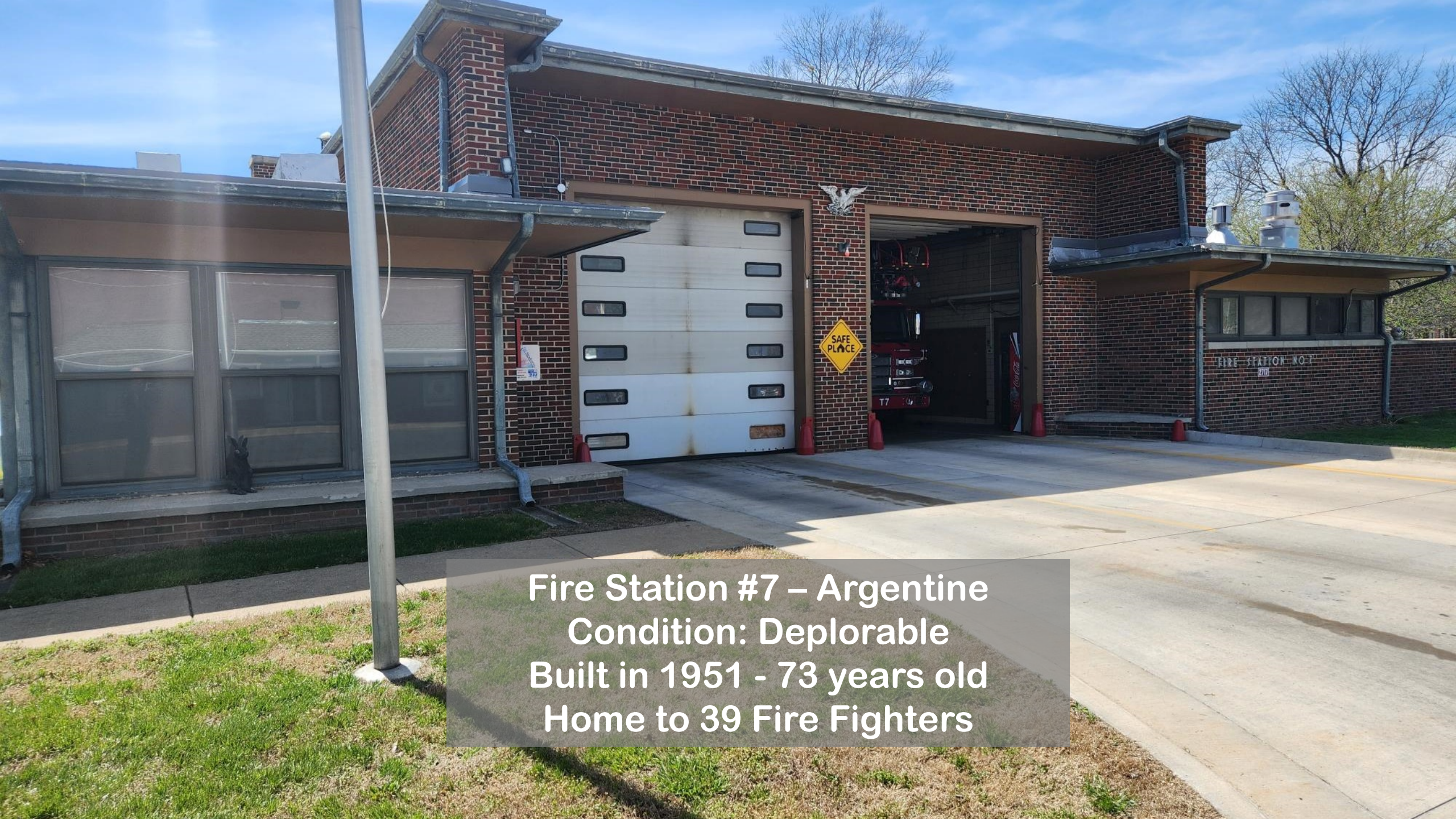


Training tower and
grounds inadequate



Living quarters converted
to classroom





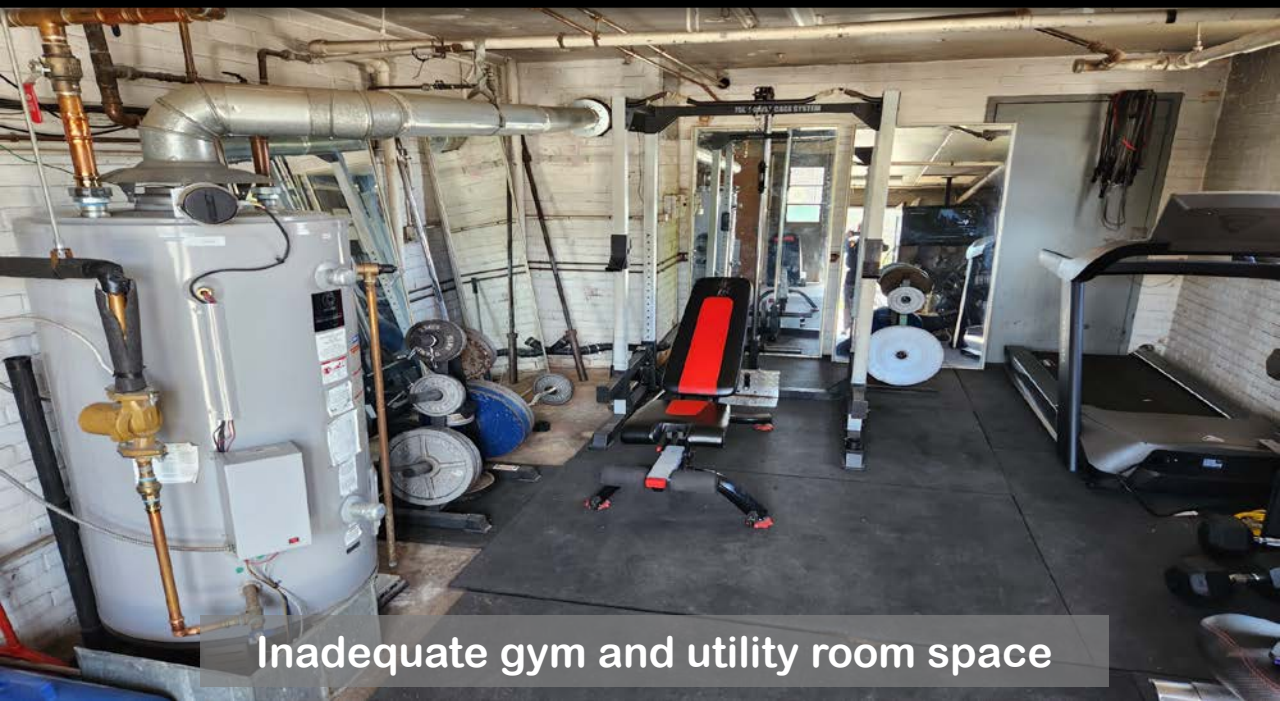
Fire Station #7 – Argentine
Condition: Deplorable
Built in 1951 - 73 years old
Home to 39 Fire Fighters



Multiple broken garage door panels



Bathroom inappropriate



Inadequate gym and utility room space



Inadequate laundry and turnout gear storage



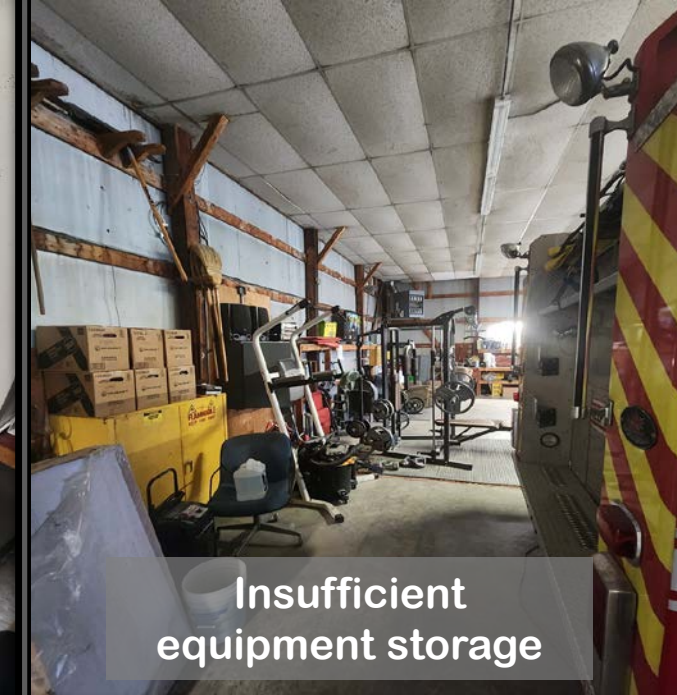
Fire Station #8 – Piper
Condition: Deplorable
Built in 1979 - 45 years old
Home to 15 Fire Fighters



Horrible bathroom



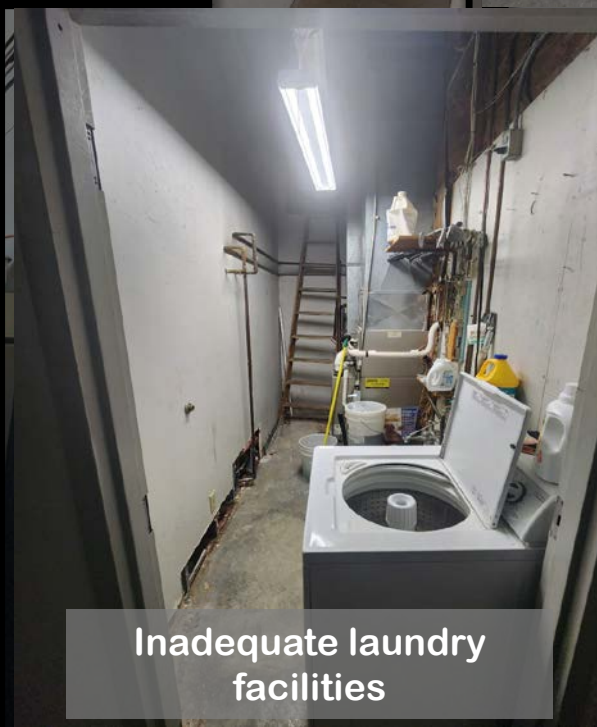
Insufficient and inefficient HVAC



Insufficient equipment storage



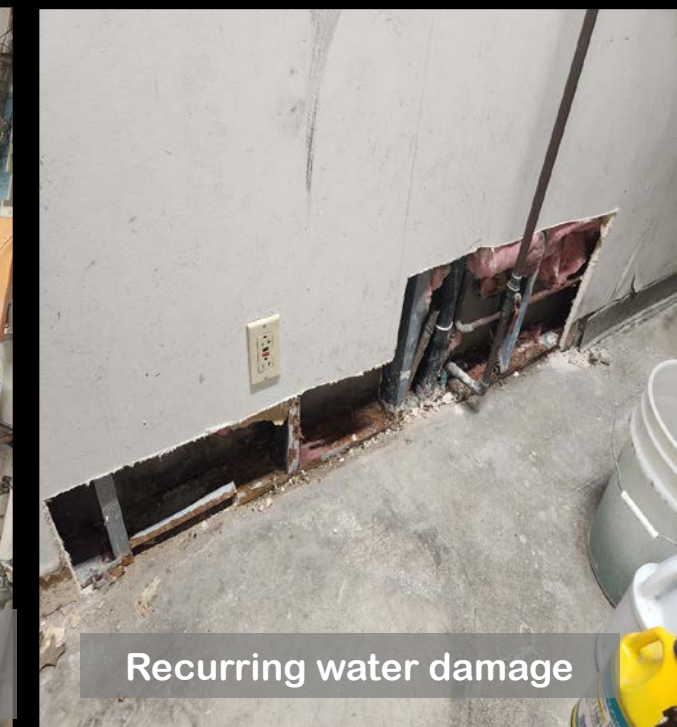
Inadequate bay capacity



Inadequate laundry facilities



Insufficient and cluttered storage area



Recurring water damage



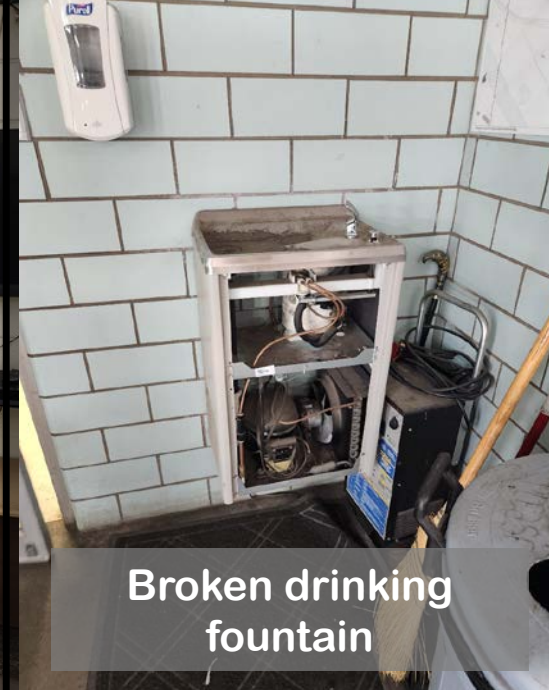
Fire Station #9 – Central Ave/Bethany Park
Condition: Deplorable
Built in 1967 - 57 years old
Home to 24 Fire Fighters



Damaged bay door



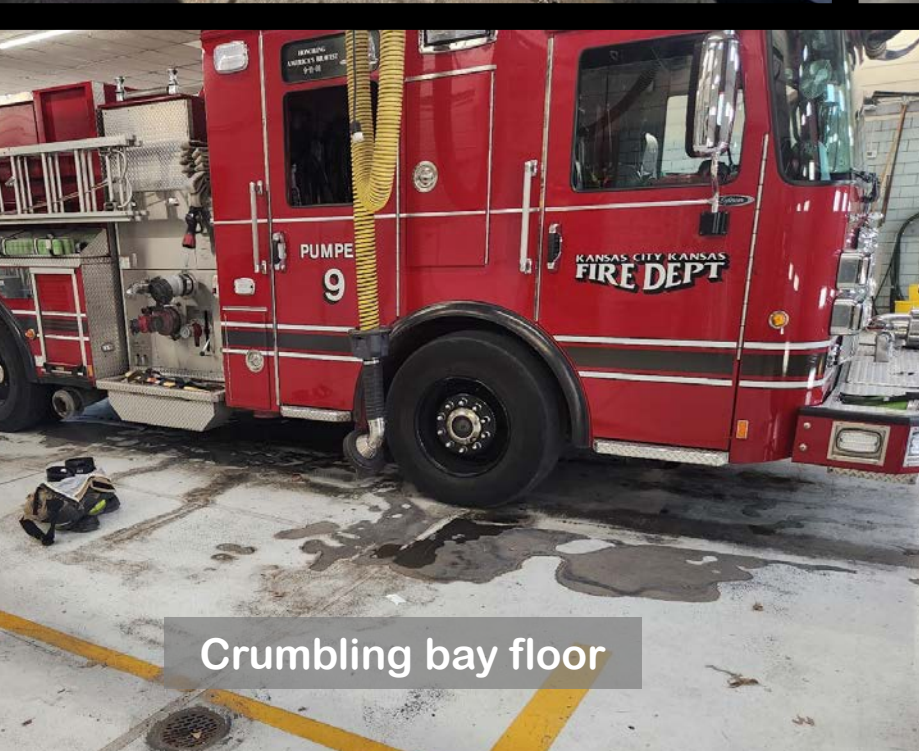
Insufficient HVAC
blocking bay access



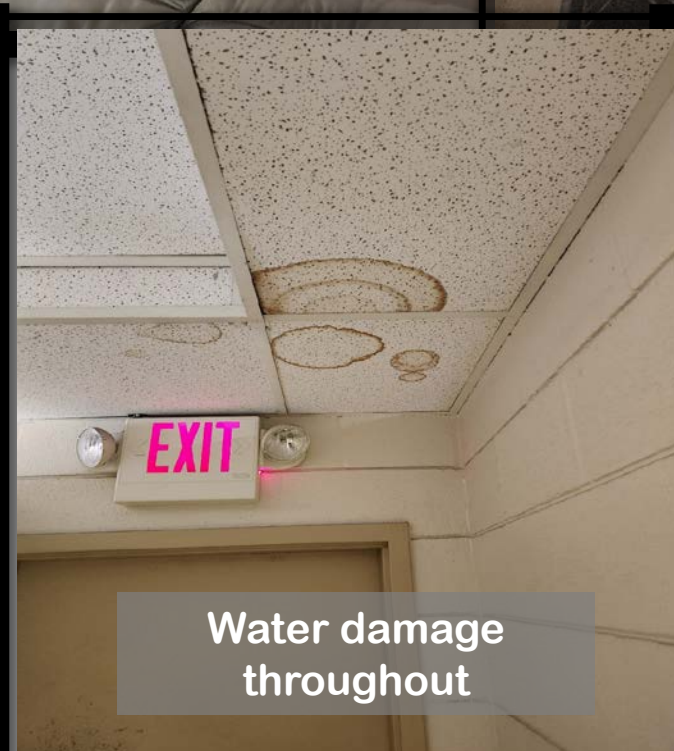
Broken drinking
fountain



Insufficient locker
space



Crumbling bay floor



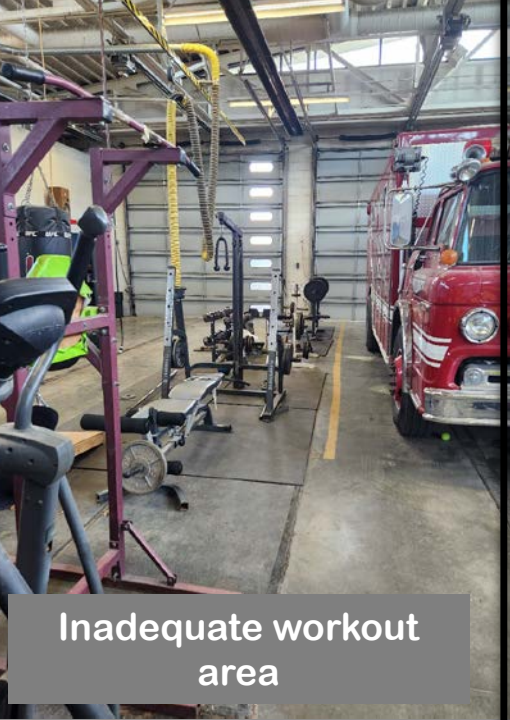
Water damage
throughout



Damaged and missing ceiling
tiles throughout



Fire Station #10 – Rosedale
Condition: Poor
Built in 1995 - 29 years old
Home to 30 Fire Fighters



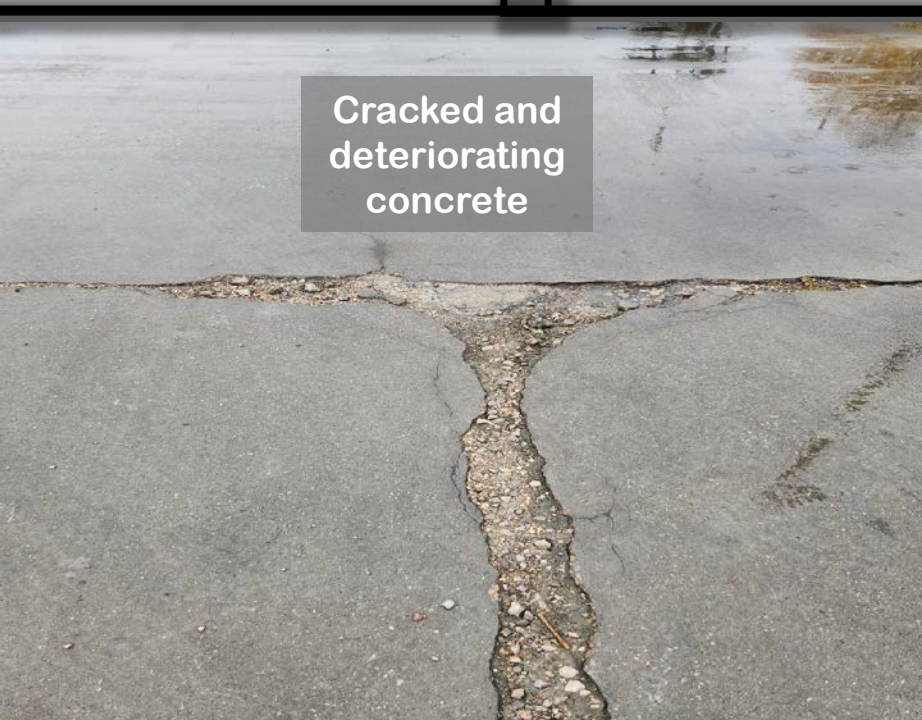
Inadequate workout
area



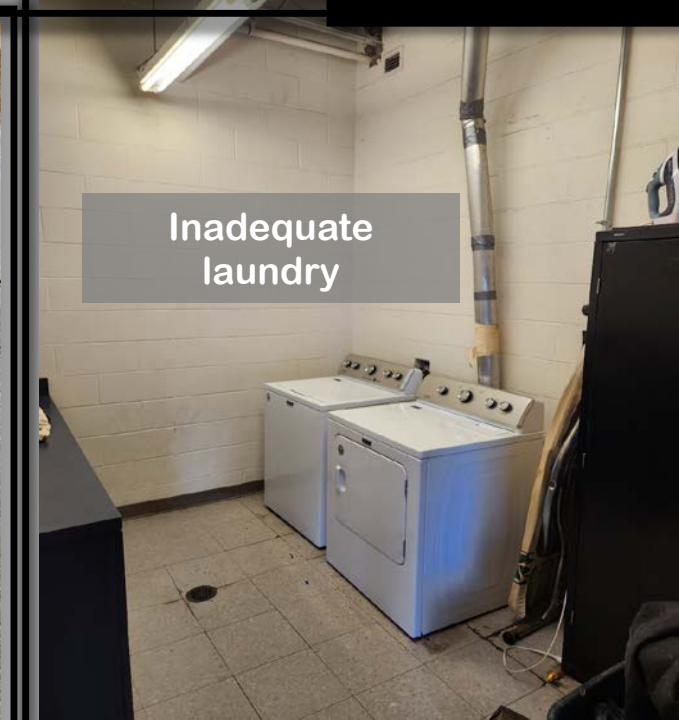
Mold in shower



Many broken windows throughout



Cracked and
deteriorating
concrete



Inadequate
laundry



Substandard kitchen



NO. 11 FIRE STATION 1924

3100



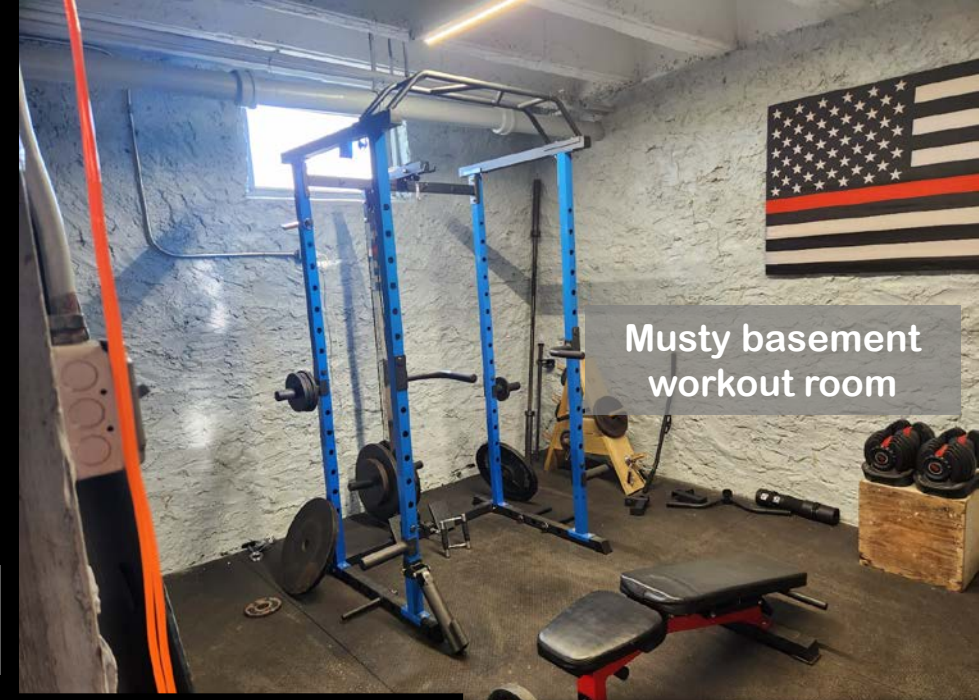
Fire Station #11
Condition: Deplorable
Built in 1924 - 100 years old
Home to 15 Fire Fighters



Insufficient storage



Bay not designed for modern fire trucks



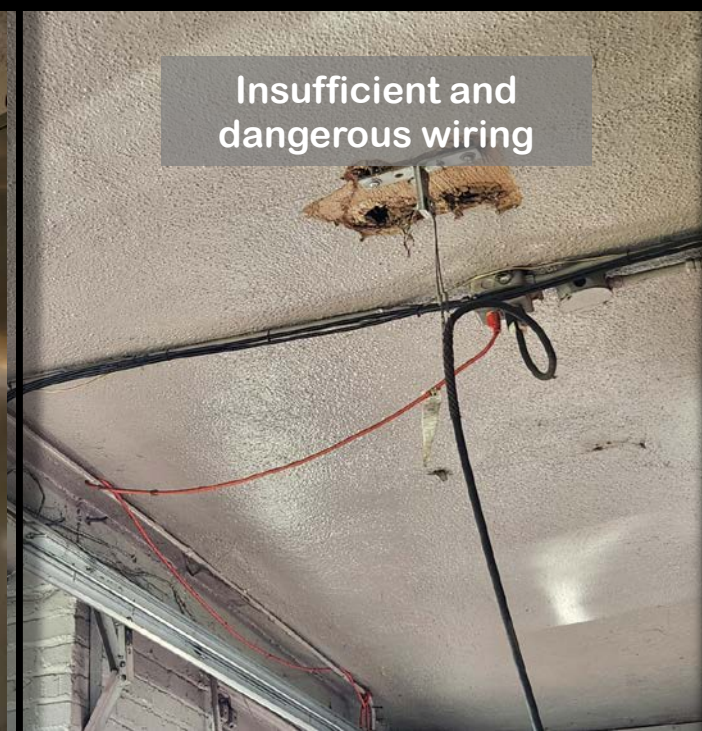
Musty basement workout room



Outdated electrical system



Outdated HVAC system



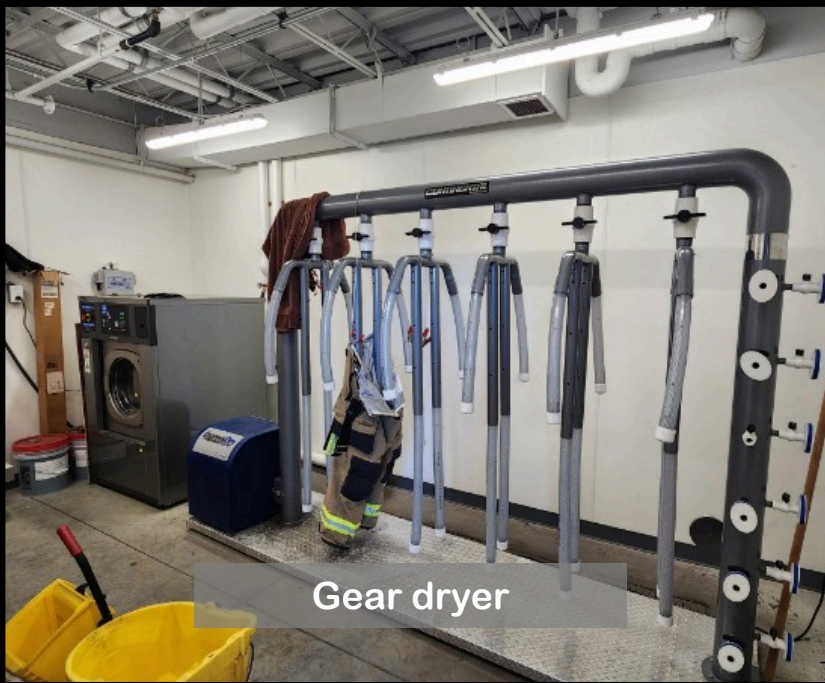
Insufficient and dangerous wiring



Steep and dangerous narrow stairway



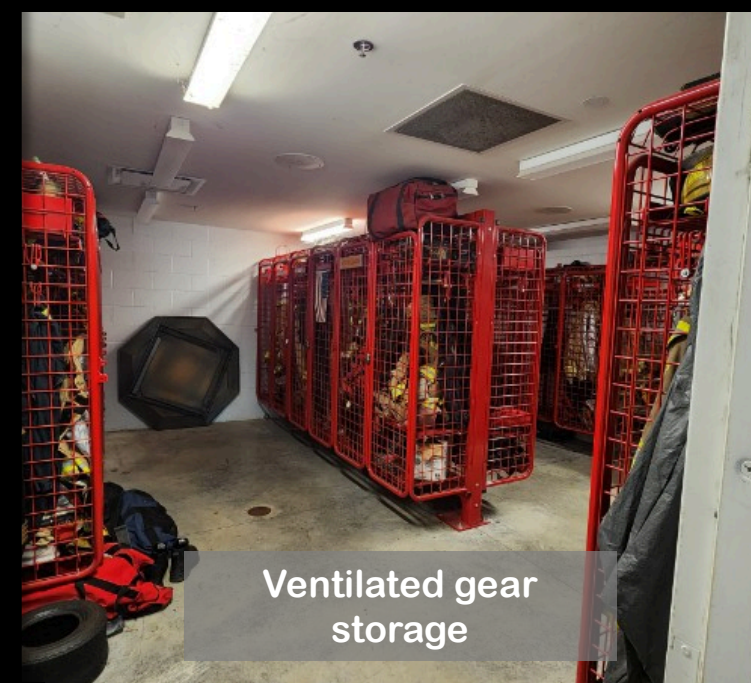
Fire Station #12 – Piper
Condition: New
Built in 2019 - 5 years old
Home to 24 Fire Fighters



Gear dryer



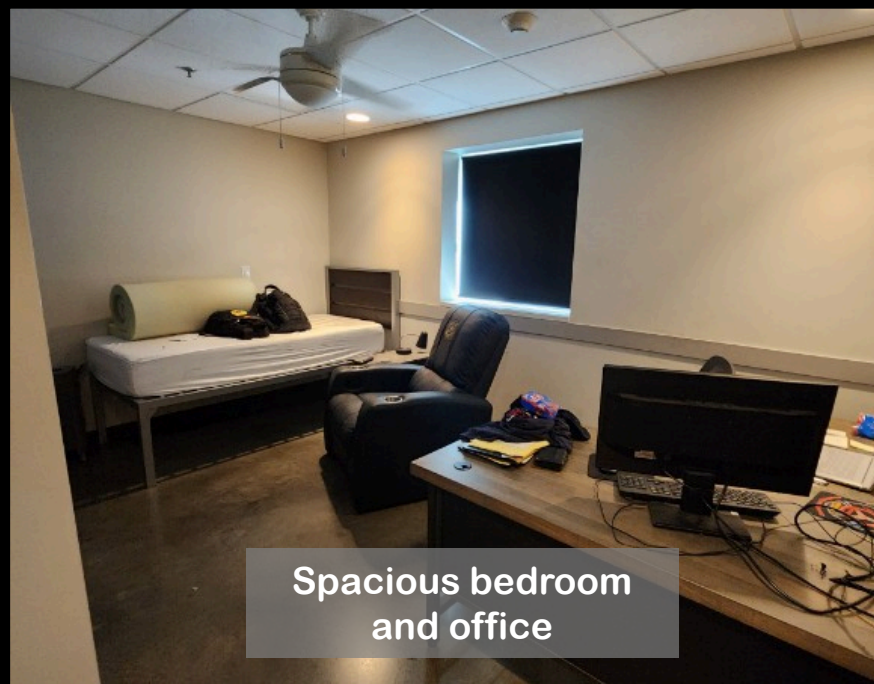
Adequate apparatus space



Ventilated gear storage



Lactation Room



Spacious bedroom and office



Modern kitchen



Fire Station #14 – Klam Park
Condition: Deplorable
Built in 1956 - 68 years old
Home to 30 Fire Fighters



Insufficient storage



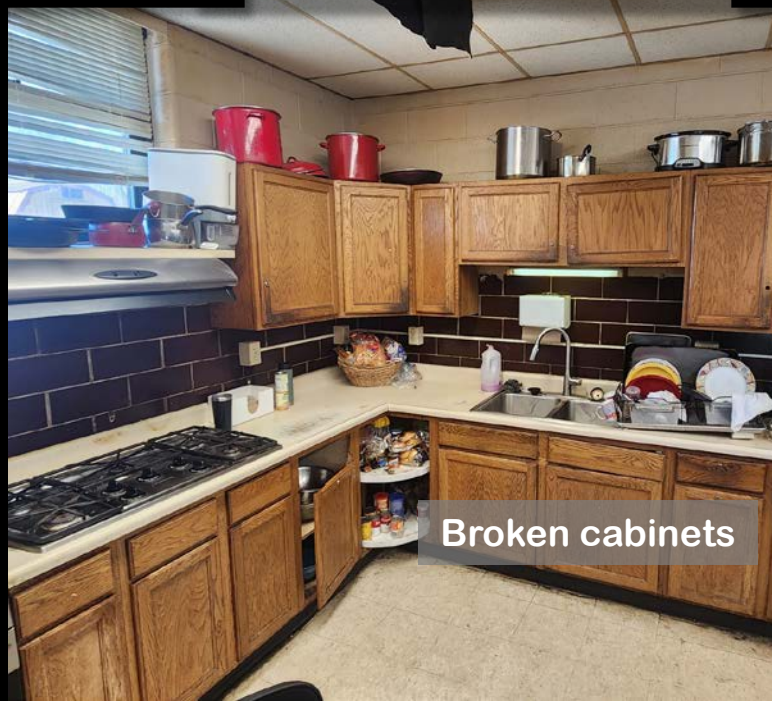
Outdated HVAC



Insufficient bay area



Dilapidated Kitchen



Broken cabinets



Outdated and dangerous wiring



Fire Station #15 – Fairfax
Condition: Poor
Built in 1987 - 37 years old
Home to 19 Fire Fighters and Fire Investigations



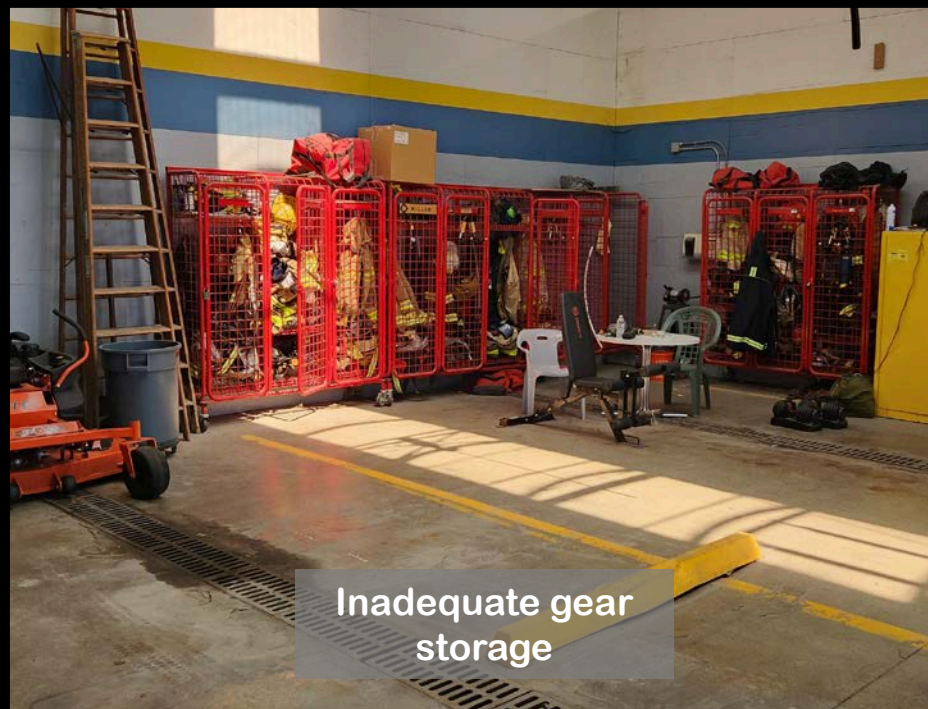
Bathroom and sleeping quarters are not appropriate for 24-hour workplace



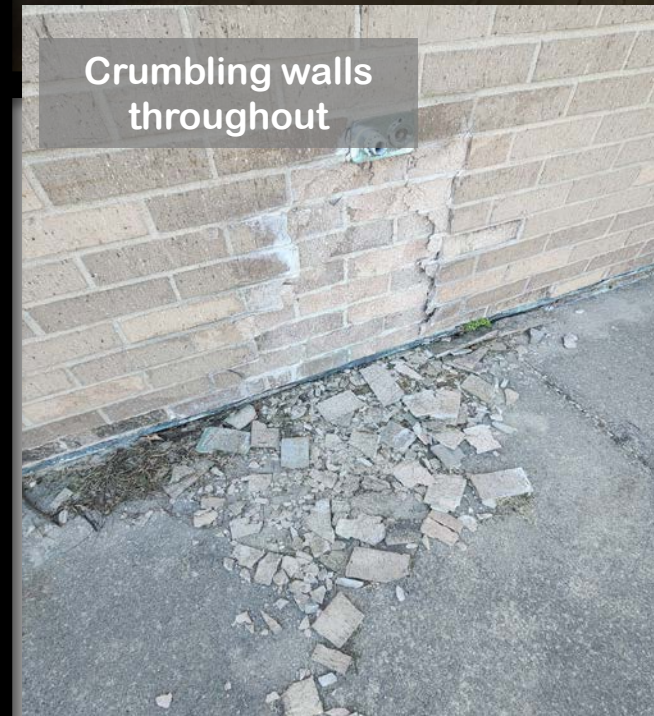
Water damage



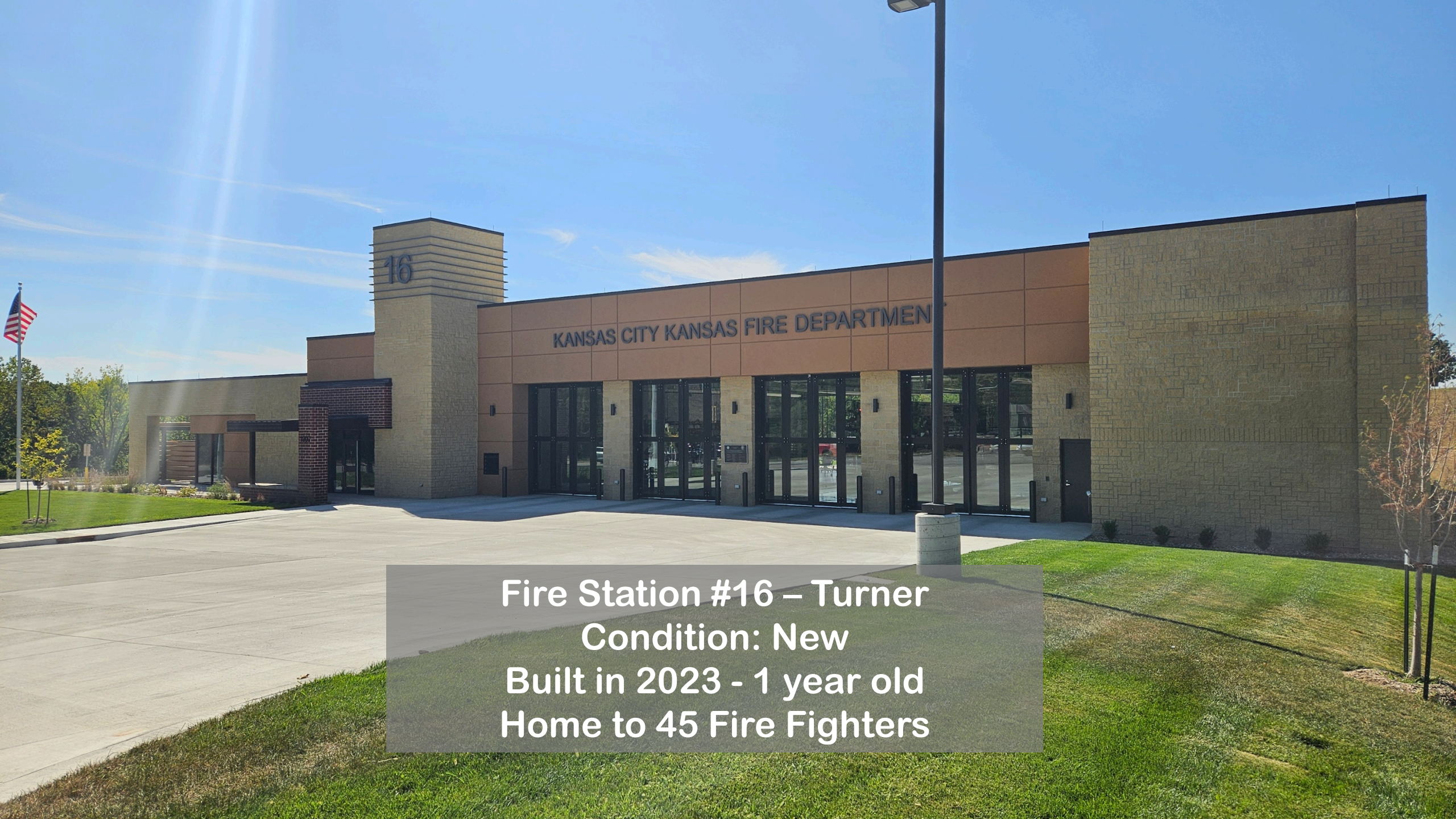
Water inside and cracked glass blocks



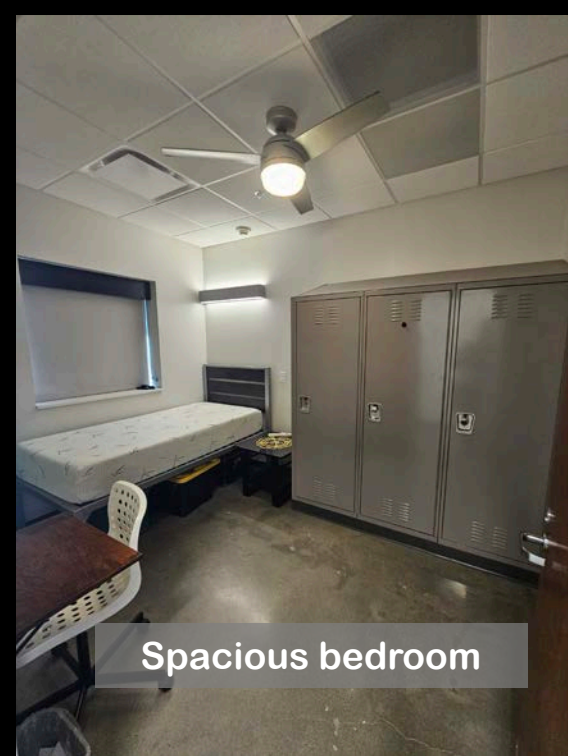
Inadequate gear storage



Crumbling walls throughout



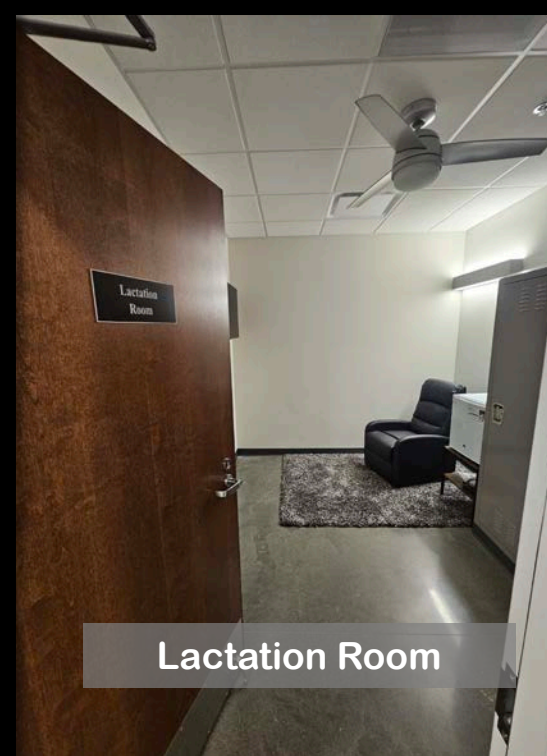
Fire Station #16 – Turner
Condition: New
Built in 2023 - 1 year old
Home to 45 Fire Fighters



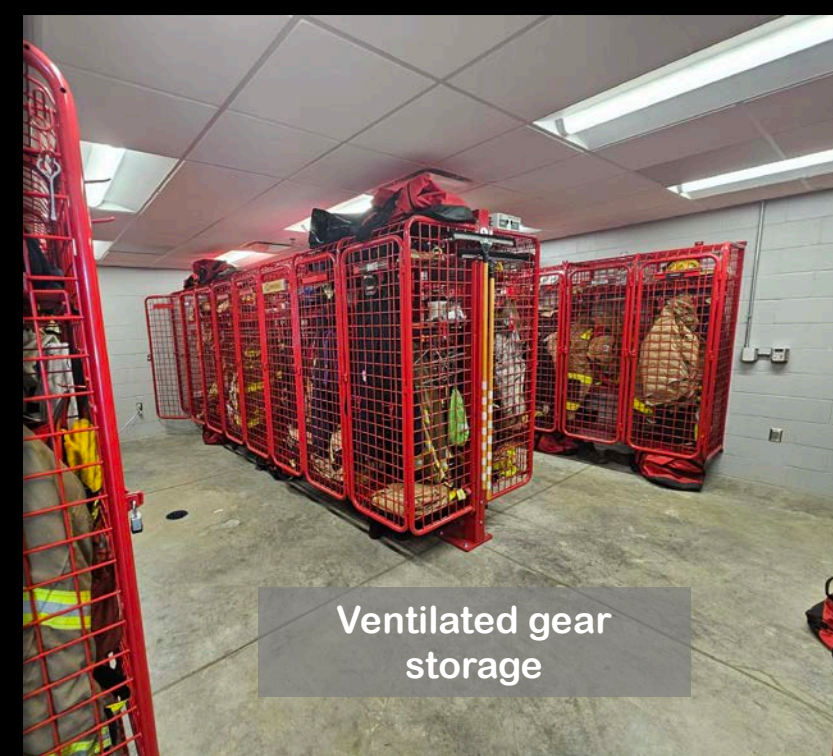
Spacious bedroom



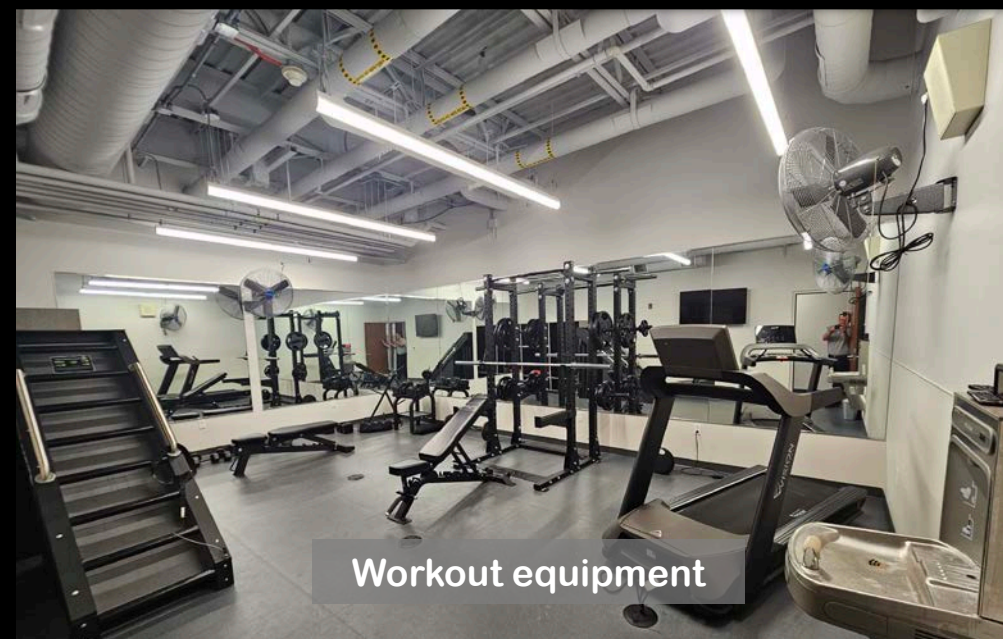
Modern bathrooms



Lactation Room



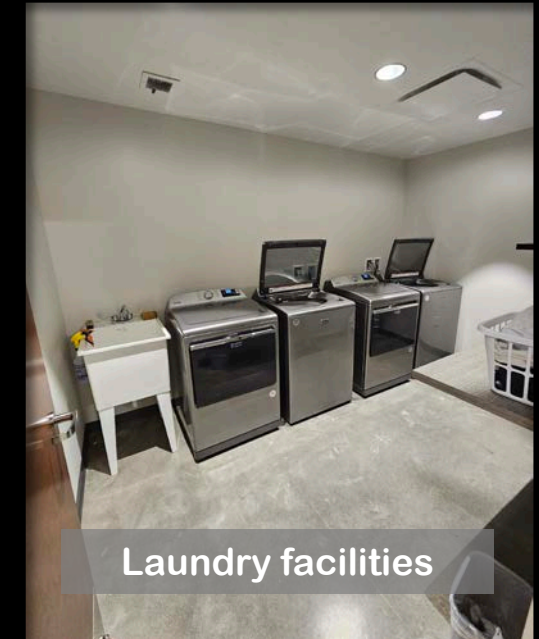
Vented gear storage



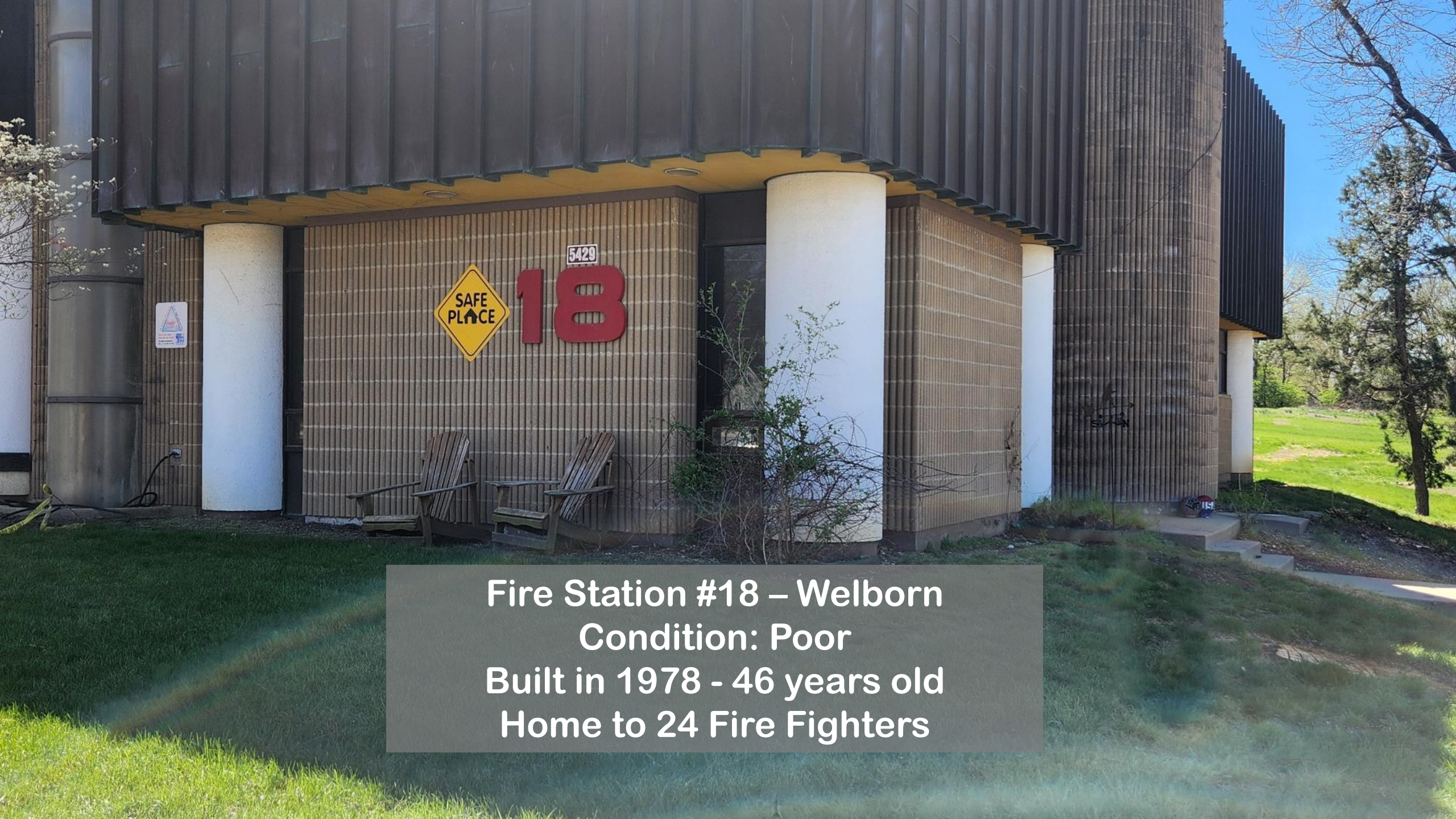
Workout equipment



Modern kitchen and dining area



Laundry facilities



Fire Station #18 – Welborn
Condition: Poor
Built in 1978 - 46 years old
Home to 24 Fire Fighters



Water damage
throughout living
quarters



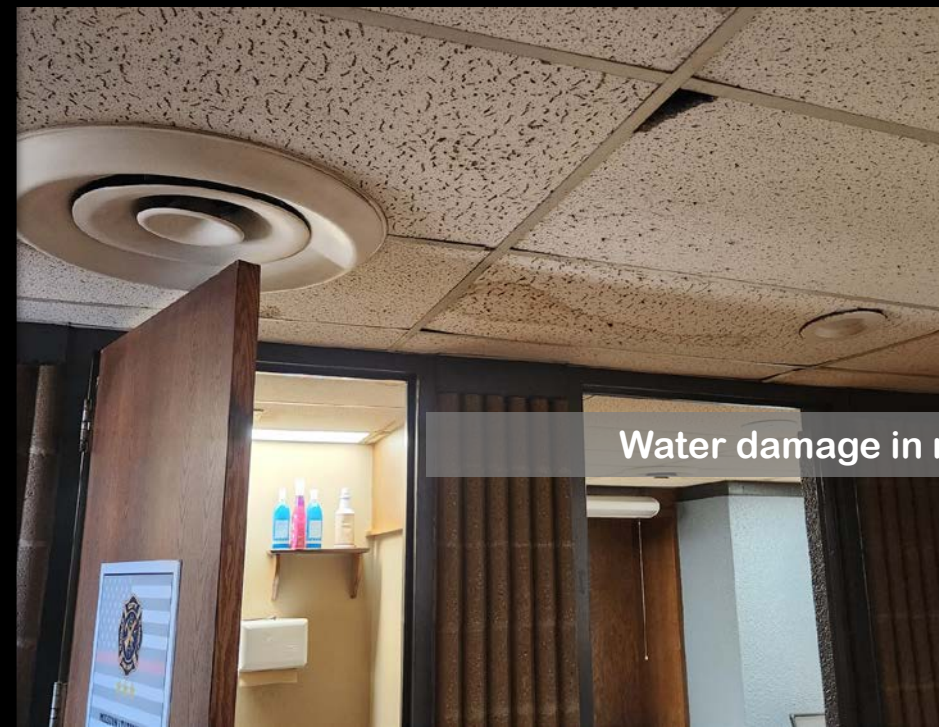
Dilapidated kitchen
broken and worn out
cabinets



Cramped
apparatus bay



Public entrance
flooring completely
worn out



Water damage in multiple areas throughout





Fire Station #19 – Victory Hills
Condition: Poor
Built in 1972 - 52 years old
Home to 24 Fire Fighters



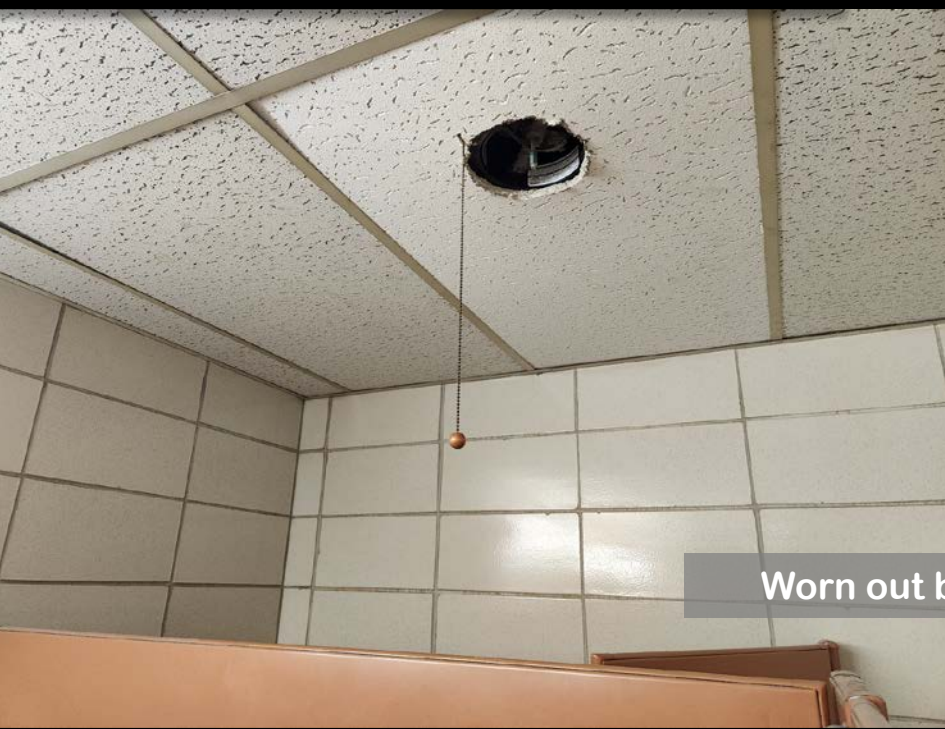
Mold and outdated bathroom



Water damage throughout building



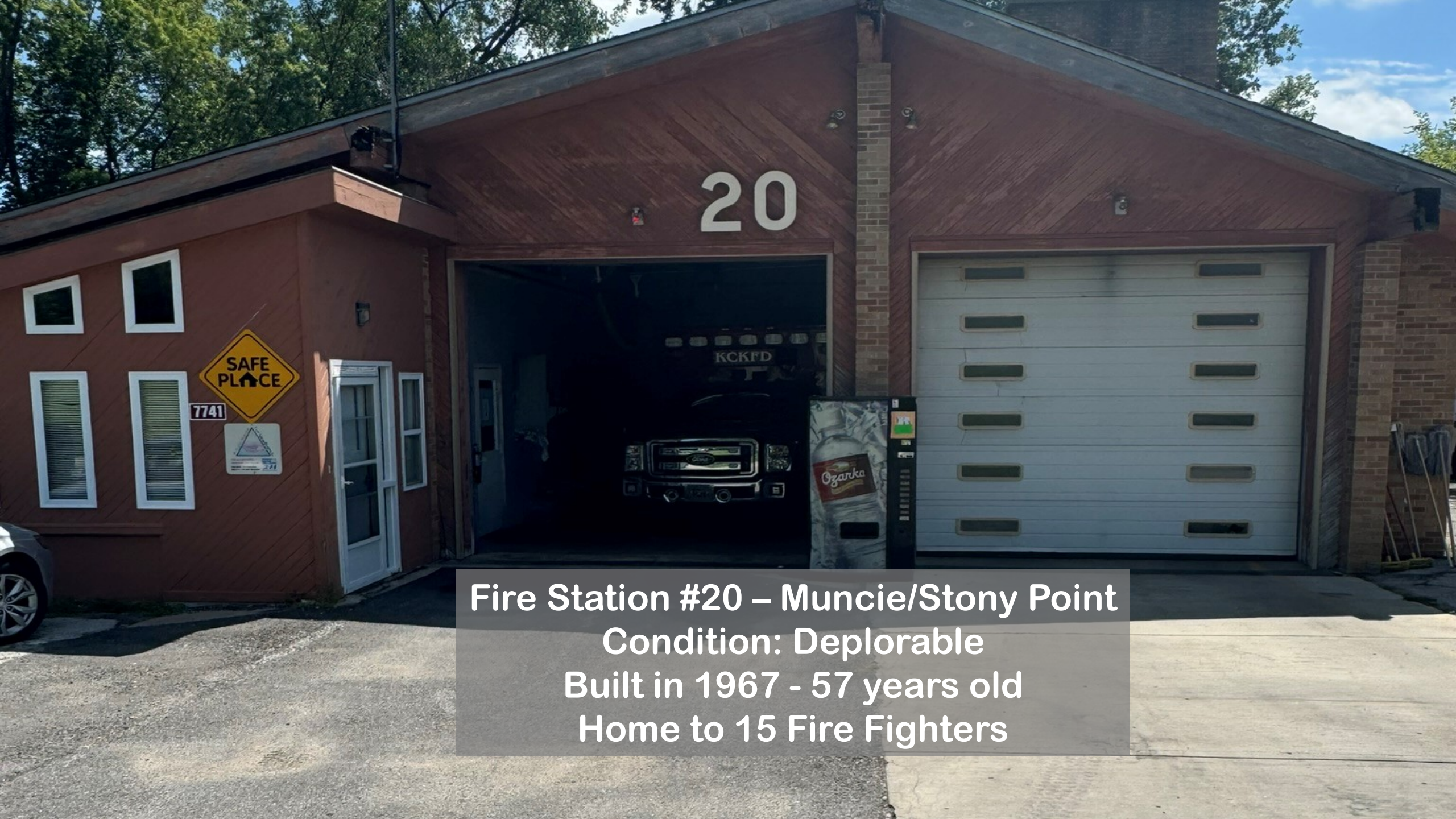
Kitchen cabinets falling apart



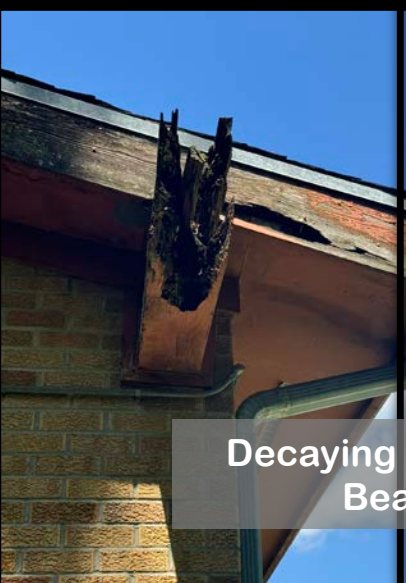
Worn out bathrooms



Insufficient kitchen storage



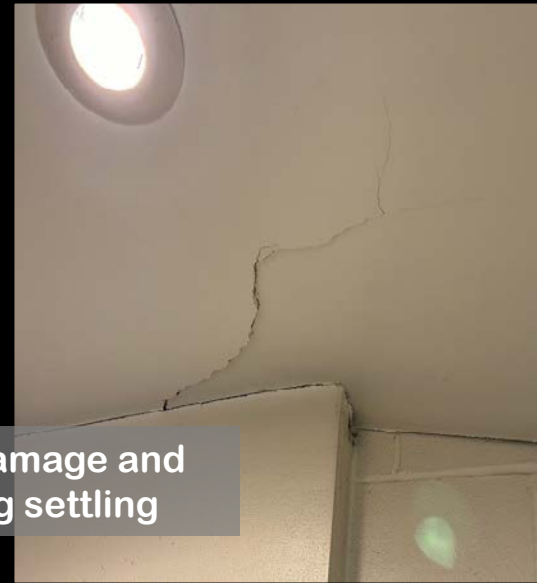
Fire Station #20 – Muncie/Stony Point
Condition: Deplorable
Built in 1967 - 57 years old
Home to 15 Fire Fighters



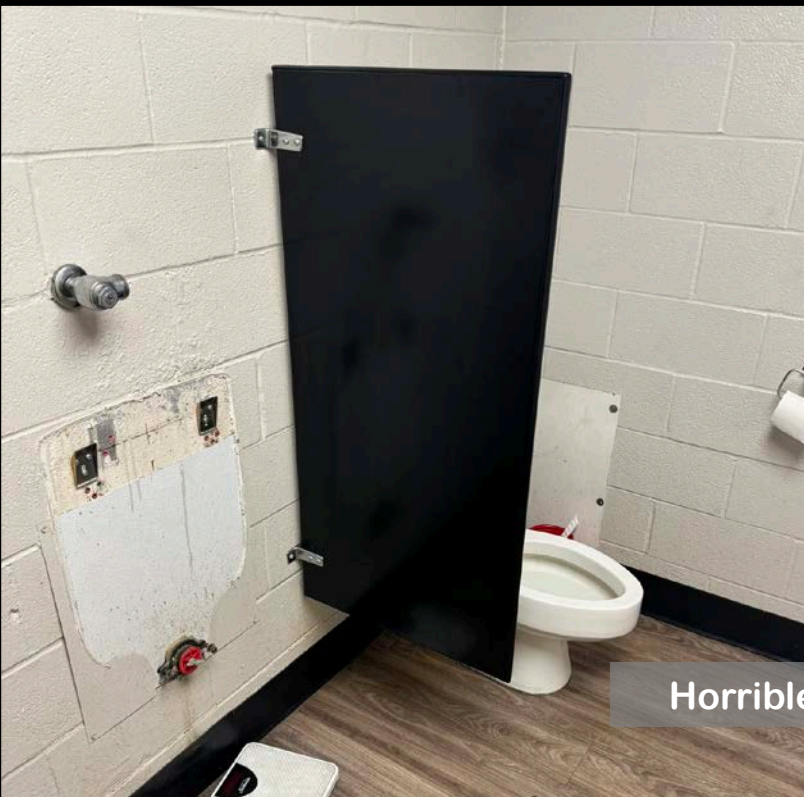
Decaying structural
Beams



Storm damage and
building settling



Deplorable kitchen



Horrible bathroom



Plumbing freezes



Ridiculous apparatus
space

SECTION 3 – OPERATIONAL STAFFING

CHALLENGES IN MODERN FIREFIGHTING

- FIREFIGHTING IS A DANGEROUS PROFESSION
- 2022: 96 FIRE FIGHTER LINE OF DUTY DEATHS*
- 2023: 89 FIRE FIGHTER LINE OF DUTY DEATHS*
- 80,000 SERIOUS FIRE FIGHTER INJURIES ANNUALLY IN THE U.S.
- THE FIRE AND EMERGENCY MEDICAL PROFESSION DEMANDS HIGH LEVELS OF PERSONAL INTEGRITY, TRAINING, EDUCATION, EXPERIENCE, AND COMMITMENT
- KCKFD MEMBERS FACE OVER 36,000 EMERGENCY INCIDENTS EACH YEAR, GROWING BY APPROXIMATELY 1,000 CALLS ANNUALLY

*National Fallen Firefighters Foundation (NFFF)

CHALLENGES IN MODERN FIREFIGHTING

- IN 2023, KCKFD RESPONDED TO 36,162 ALARMS
- FIRES RESULTED IN 7 CIVILIAN DEATHS IN KCK
- RESPONDED TO 1,825 NON EMERGENCY MEDICAL TRANSPORTS
- RECRUITING QUALIFIED MEMBERS IS DIFFICULT

STAFFING STANDARDS AND CHALLENGES

- NFPA STANDARD 1710 RECOMMENDS MINIMUM STAFFING OF 4 FIRE FIGHTERS ON EACH PUMPER, LADDER TRUCK, AND HEAVY RESCUE. FURTHERMORE, HAZARDOUS MATERIALS UNITS ARE RECOMMENDED BY NFPA TO BE STAFFED BY 6 FIRE FIGHTERS
- CURRENT KCKFD STAFFING IS 3 FIRE FIGHTERS ON PUMPERS, 4 FIRE FIGHTERS ON LADDER TRUCKS AND RESCUES
- 1 LADDER TRUCK, 2 AMBULANCES, AND 2 HAZARDOUS MATERIALS UNITS ARE CROSS-STAFFED AT THE EXPENSE OF PLACING OTHER COMPANIES OUT OF SERVICE
- DISCREPANCIES BETWEEN CURRENT STAFFING AND LEVELS RECOMMENDED IN NFPA STANDARD 1710 HIGHLIGHT THE NEED FOR INCREASED STAFFING

NIST FIRE STUDY: IMPACT OF CREW SIZE



KCKFD 2022 RESPONSE REPORT CARD

Response District	Emergency calls when apparatus was first on scene for 2022.	Percentage of responses that were 240 sec or less travel time. Meeting goal	Percentage of responses that were over 240 seconds travel time. Failing to meet Goal
Battalion 1			
Pumper 1	1953	96.0% (1874)	4.0% (79)
Pumper 5	1317	90.4% (1190)	9.6% (127)
Pumper 9	1804	93.6% (1688)	6.4% (116)
Pumper 11	2056	91.3% (1877)	8.7% (179)
Pumper 14	1465	91.0% (1333)	9.0% (132)
Pumper 15	57	86.0% (49)	14.0% (8)
Pumper 18	2146	90.6% (1944)	9.4% (362)
Total Battalion 1	10798	92.2% (9955)	9.3% (1003)

KCKFD 2023 RESPONSE REPORT CARD

Response District	Emergency calls when apparatus was first on scene for 2023.	Percentage of responses that were 240 sec or less travel time. Meeting goal	Percentage of responses that were over 240 seconds travel time. Failing to meet Goal
Battalion 1			
Pumper 1	2193	96.1% (2108)	3.9% (85)
Pumper 5	1207	91.5% (1104)	8.5% (103)
Pumper 9	1995	94.1% (1877)	5.9% (118)
Pumper 11	2107	90.6% (1908)	9.4% (199)
Pumper 14	1643	89.0% (1463)	11.0% (180)
Pumper 15	269	85.1% (229)	14.9% (40)
Pumper 18	1641	86.3% (1417)	13.7% (224)
Total Battalion 1	11055	91.4% (10106)	8.6% (949)

KCKFD 2022 RESPONSE REPORT CARD

Response District	Emergency calls when apparatus was first on scene for 2022.	Percentage of responses that were 240 sec or less travel time. Meeting goal	Percentage of responses that were over 240 seconds travel time. Failing to meet Goal
Battalion 2			
Pumper 3	543	86.0% (467)	14.0% (76)
Pumper 7	1281	80.2% (1028)	19.8% (253)
Pumper 10	908	71.6% (650)	28.4% (258)
Pumper 16	585	79.1% (463)	20.9% (122)
Pumper 17	754	75.9% (572)	24.1% (182)
Pumper 20	837	68.6% (574)	31.4% (263)
Total Battalion 2	4908	76.5% (3754)	23.5% 1154

KCKFD 2023 RESPONSE REPORT CARD

Response District	Emergency calls when apparatus was first on scene for 2023.	Percentage of responses that were 240 sec or less travel time. Meeting goal	Percentage of responses that were over 240 seconds travel time. Failing to meet Goal
Battalion 2			
Pumper 3	638	84.6% (540)	15.4% (98)
Pumper 7	1328	81.3% (1079)	18.7% (249)
Pumper 10	979	69.4% (679)	30.6% (300)
Pumper 16	626	74.4% (466)	25.6% (160)
Pumper 17/ Truck 17	720	67.6% (487)	32.4% (233)
Pumper 20	847	69.4% (588)	30.6% (259)
Total Battalion 2	5138	74.7% (3839)	25.3% (1299)

KCKFD 2022 RESPONSE REPORT CARD

Response District	Emergency calls when apparatus was first on scene for 2022.	Percentage of responses that were 240 sec or less travel time. Meeting goal	Percentage of responses that were over 240 seconds travel time. Failing to meet Goal
Battalion 3			
Quint 2	1453	79.8% (1159)	20.2% (294)
Pumper 4	990	79.9% (791)	20.1% (199)
Tower 6	599	85.6% (513)	14.4% (86)
Pumper 8	540	51.3% (277)	48.7% (263)
Quint 12	867	77.4% (671)	22.6% (196)
Pumper 19	2000	88.2% (1764)	11.8% (236)
Total Battalion 3	5898	79.6% (4696)	20.4% (1202)

KCKFD 2023 RESPONSE REPORT CARD

Response District	Emergency calls when apparatus was first on scene for 2023.	Percentage of responses that were 240 sec or less travel time. Meeting goal	Percentage of responses that were over 240 seconds travel time. Failing to meet Goal
Battalion 3			
Quint 2	1382	76.3% (1054)	23.7% (328)
Pumper 4	1017	80.7% (821)	19.3% (196)
Tower 6	665	82.0% (545)	18.0% (120)
Pumper 8	480	45.4% (218)	54.6% (262)
Quint 12	874	72.8% (636)	27.2% (238)
Pumper 19	1926	83.9% (1615)	16.1% (311)
Total Battalion 3	6344	77.1% (4889)	22.9% (1455)

OPERATIONAL STAFFING

ENHANCING EFFICIENCY THROUGH IMPROVED STAFFING

- THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY's (NIST) FIREGROUND FIELD EXPERIMENTS STUDY SHOWS SIGNIFICANT EFFICIENCY GAINS WITH 4 PERSON CREWS. TASKS ARE COMPLETED 25% FASTER, LEADING TO QUICKER FIRE EXTINGUISHMENT AND RESCUE
- 4 PERSON CREWS COMPLETED TASKS 7 MINUTES FASTER THAN 2 PERSON CREWS
- EFFICIENT STAFFING NOT ONLY SAVES LIVES BUT ALSO IMPROVES OVERALL CUSTOMER SERVICE

* See Appendix C in the Master Plan text (2024)

NIST FLASHOVER VIDEO



SECTION 4 – KCKFD EMERGENCY MEDICAL SERVICES

KCKFD EMERGENCY MEDICAL SERVICES

HISTORY OF KCKFD EMERGENCY MEDICAL SERVICES

- KCKFD WAS ONE OF THE FIRST ADVANCED LIFE SUPPORT AMBULANCE SERVICES IN THE NATION IN 1974
- INITIALLY PARTNERED WITH BASIC LIFE SUPPORT RESPONDERS AND PRIVATE AMBULANCE COMPANIES
- KCKFD EXITED AMBULANCE TRANSPORT SERVICE IN 1995
- KCKFD ASSUMED RESPONSIBILITY FOR ALL EMERGENCY MEDICAL SERVICES IN 2004

KCKFD EMERGENCY MEDICAL SERVICES

KCKFD EMS BY THE NUMBERS IN 2023

- OUT OF 36,162 INCIDENTS, 26,196 WERE EMS RESPONSES, ACCOUNTING FOR 72% OF THE TOTAL
- KCKFD PROVIDED 17,571 PATIENT TRANSPORTS TO DEFINITIVE CARE FACILITIES
- EMERGENCY MEDICAL SERVICES ARE CRITICAL FOR OUR COMMUNITY'S HEALTH AND WELLNESS

KCKFD EMERGENCY MEDICAL SERVICES

EMS BILLING AND REVENUE

- EMS OPERATIONS GENERATED APPROXIMATELY \$4.3 MILLION IN REVENUE IN 2022.
- REVENUE GENERATED FOR 2023 WAS \$5.9 MILLION
- BILLING CHALLENGES PERSIST WITH UNINSURED PATIENTS
- A LACK OF COLLECTION SERVICES PROHIBITS OUR ABILITY TO OBTAIN COST NEUTRAL SERVICE DELIVERY

KCKFD EMERGENCY MEDICAL SERVICES

CHALLENGES IN AMBULANCE AVAILABILITY

- AVERAGE AMBULANCE TRANSPORT CYCLE TIME OF 37 MINUTES 15 SECONDS WHICH LIMITS AMBULANCE AVAILABILITY
- REDUCED AMBULANCE AVAILABILITY IMPACTS EMERGENCY RESPONSE DURING CRITICAL TIMES
- KCKFD OFTEN EXPERIENCES NO OR LIMITED AMBULANCE AVAILABILITY

KCKFD EMERGENCY MEDICAL SERVICES

ENHANCING EMS SAFETY AND EFFICIENCY

- EXISTING MANUAL PATIENT STRETCHERS POSE RISKS OF BACK INJURIES TO EMS PROVIDERS
- PATIENTS FACE RISKS OF FALLS AND INJURIES DURING MANUAL LIFTING RESULTING IN LIABILITY
- THE PLAN TO RETROFIT ALL AMBULANCES WITH STRYKER POWER-LOAD[®] SYSTEMS TO IMPROVE SAFETY AND REDUCE LIABILITY IS UNDERWAY AND SHOULD CONTINUE TO BE FUNDED

KCKFD EMERGENCY MEDICAL SERVICES

COMMUNITY PARAMEDICINE PROGRAM

- COMMUNITY PARAMEDICINE PROVIDES IN-HOME MEDICAL CARE REDUCING HOSPITAL VISITS
- FOCUSES ON NON-EMERGENCY CARE FOR THE UNHOUSED, ELDERLY, OR THOSE WITH LIMITED MOBILITY
- THIS PROGRAM DECREASES EMERGENCY CALLS AND REDUCES EMERGENCY MEDICAL SERVICES STRAIN
- INEVITABLY THIS PROGRAM MUST BE EXPANDED

SECTION 5 – APPARATUS REPLACEMENT PLAN

APPARATUS REPLACEMENT PLAN

INTRODUCTION:

- THE PRIMARY GOAL OF THE EMERGENCY VEHICLE FLEET IS TO ENSURE EFFECTIVE, EFFICIENT, AND SAFE RESPONSES
- THIS MASTER PLAN IS A “LIVING DOCUMENT” THAT MUST ADAPT TO THE EVER EVOLVING COMMUNITY NEEDS AND NFPA MINIMUM STANDARDS

APPARATUS REPLACEMENT PLAN

FRONT-LINE EMERGENCY RESPONSE FLEET

- **AMBULANCES:** ELEVEN FRONT-LINE AMBULANCES, MODEL YEARS FROM 2014 - 2022, HANDLE THE MAJORITY OF OVER 36,000 CALLS EACH YEAR
- **PUMPERS:** FIFTEEN FRONT-LINE PUMPERS, RANGING FROM 2006 - 2024, EQUIPPED TO PUMP 1,500 GALLONS OF WATER PER MINUTE, SERVE AS THE BACKBONE OF FIREFIGHTING EFFORTS
- **LADDER TRUCKS:** SEVEN LADDER TRUCKS WITH REACHES FROM 75 TO 107 FEET, ESSENTIAL FOR RESCUE MISSIONS AND HIGH-RISE OPERATIONS, VARYING IN MODEL YEARS FROM 2011 - 2024

APPARATUS REPLACEMENT PLAN

SPECIALIZED FLEET VEHICLES AND SUPPORT UNITS

- **RESCUE UNITS:** TWO RESCUE COMPANIES, VITAL FOR MANY EMERGENCIES SUCH AS VEHICLE EXTRICATION, EXTINGUISHING ROOFS ON FIRE, VENTILATING SMOKE AND GASES, AND RESOLVING BUILDING AND TRENCH COLLAPSES. OUR FLEET VARIES IN MODEL YEARS FROM 2020 AND 2024
- **HAZARDOUS MATERIAL UNITS:** PROTECTORS OF THE ENVIRONMENT (AIR, WATER, AND SOIL) FROM CHEMICAL SPILLS AND OTHER MANMADE HAZARDS. BOTH SPECIALIZED UNITS ARE MODEL YEAR 2024
- **BRUSH TRUCKS:** FIVE BRUSH TRUCKS, CRUCIAL FOR COMBATING WILDLAND FIRES IN RURAL AND OFF-ROAD AREAS. THESE VEHICLES' MODEL YEARS RANGE FROM 2003 TO 2006

APPARATUS REPLACEMENT PLAN

APPARATUS REPLACEMENT CRITERIA

- **SERVICE LIFE:** FRONT-LINE APPARATUS SERVE FOR APPROXIMATELY 10 - 15 YEARS BASED ON THEIR TYPE OF SERVICE. RESERVE STATUS STARTS AT 11 - 20 YEARS
- **VEHICLE CONDITION:** MILEAGE, ENGINE HOURS, VEHICLE AGE, WEAR, AND MAINTENANCE COSTS ARE USED TO DETERMINE DATE OF SURPLUS STATUS
- **OPERATIONAL EFFICIENCY:** ENSURE VEHICLES MEET CURRENT OPERATIONAL AND EFFICIENCY STANDARDS
- **SAFETY COMPLIANCE:** CONTINUOUSLY CHECK ADHERENCE TO NFPA MINIMUM STANDARDS

APPARATUS REPLACEMENT PLAN

FLEET REPLACEMENT TIMELINE

- **ANNUAL TARGETS:** REPLACE 1.5 PUMPERS AND 3 - 4 AMBULANCES EACH YEAR
- **SPECIALIZED UNITS:** REPLACE ONE LADDER TRUCK OR HEAVY RESCUE ANNUALLY
- **LONG-TERM REVIEW:** CONTINUOUSLY EVALUATE FLEET NEEDS FOR FUTURE PLANNING
- **BUDGET PLANNING:** ALLOCATE FUTURE BUDGETS FOR SYSTEMATIC VEHICLE REPLACEMENT

APPARATUS REPLACEMENT PLAN

LONG-TERM REPLACEMENT STRATEGY

- CONTINUOUS REVIEW AND ASSESSMENT OF FLEET TO ENSURE READINESS
- BUDGET PLANNING INCORPORATES SYSTEMATIC REPLACEMENT OF VEHICLES
- GOAL TO MAINTAIN OPERATIONAL AND SAFETY COMPLIANCE

10 Year Ambulance Replacement Cycle

	Year	Unit ID	Location	Mileage	Engine Hours	Status	Estimated Dispositon
1	2014	3568	Reserve	182,680	10,870	Active	To be Sold 2027
		7754	Reserve	175,419	10,573	Active	To be Sold 2027
2	2015	6812	Reserve	257,942	13,702	Out	Sent to Remount in North Carolina 08-2024
		4060	20 - Muncie	225,875	11,887	Cross-Staffed	To be Sold 2025
3	2016	9792	Reserve	195,414	11,248	Wrecked	Getting bids for repair
		8713	4 - Bethel	147,376	7,570	Active	To be sold 2026
4	2017	2293	17 - Turner	134,392	6,601	Active	To be Sold 2028
5		9057	Reserve	8,766	932	Active	In service 2024
	2019	5276	Reserve	16,500	1,256	Active	In service 2024
		3237	12 - Piper	212,863	9,833	Active	Send to Training 2026
		891	19 - Victory Hills	177,225	7,533	Active	To be sold 2027
6	2020	6082	18 - Welborn	146,410	7,491	Active	To be sold 2028
		7064	9 - Central	105,765	6,583	Active	To be sold 2029
		7055	7 - Argentine	88,924	5,721	Active	To be sold 2029
		7067	5 - Quindaro	42,286	3,445	Repair	Return to service Fall 2024
7	2022	9432	2 - Midtown	104,572	4,604	Active	To be sold 2026
		6256	3 - Armourdale	49,694	2,750	Active	To be sold 2028
8	2023					In Production	To be delivered 01-2025
						In Production	To be delivered 03-2025
9	2024						2 new/1 remount to be delivered Fall 2025
10	2025						2 new/1 remount to be delivered Spring of 2026
11	2026						2 new/1 remount to be delivered in 2027
12	2027						2 new/1 remount to be delivered in 2028
13	2028						2 new/1 remount to be delivered in 2029
14	2029						2 new/1 remount to be delivered in 2030
15	2030						3 new/1 remount to be delivered in 2031
16	2031						3 new/1 remount to be delivered in 2032
17	2032						3 new/1 remount to be delivered in 2033
18	2033						3 new/1 remount to be delivered in 2034
19	2034						3 new/1 remount to be delivered in 2035

New to Five years of service or Under 150,000 miles

Six to Ten years of service or 150,001 to 200,000 miles

Eleven years or more of service or Over 200,000 miles

10 Year Pumper Replacement Cycle							
	Year	Unit ID	Location	Mileage	Engine Hours	Status	Disposition
1	2003	Reserve Pumper 5		159,051	17,100	Reserve	To Training 2025/Sell in 2026
2	2004	Reserve Pumper 3		159,250	17,116	Reserve	To Training 2026/Sell in 2027
3	2007	Reserve Pumper 4		69,637	7,572	Reserve	To Training 2026/Sell in 2028
4	2009	Reserve Pumper 1		126,169	12,615	Reserve	To Training 2027/Sell in 2028
5	2016	Reserve Pumper 2		70,851	7,712	Reserve	To Training 2028/Sell in 2029
		Pumper 5	Quindaro	60,518	6,744	Active	To Reserve 2025
		Pumper 11	Kensington Park	67,704	11,080	Active	To Reserve 2025
6	2018	Pumper 3	Armourdale	54,856	5,614	Active	To Reserve 2026
		Pumper 10	Rosedale	41,476	5,492	Active	To Reserve 2026
		Pumper 15	Fairfax	48,605	4,732	Active	To Reserve 2027
7	2019	Pumper 1	Strawberry Hill	46,077	5,261	Active	To Reserve 2028
		Pumper 9	Bethany Park	46,533	5,196	Active	To Reserve 2028
8	2020	Pumper 18	Welborn	58,976	5,444	Active	To Reserve 2029
		Pumper 19	Victory Hills	54,191	5,711	Active	To Reserve 2030
9	2021	Pumper 7	Argentine	32,001	3,120	Active	To Reserve 2030
		Pumper 20	Muncie	26,491	2,321	Active	To Reserve 2031
10	2023	Pumper 4	Bethel	12,618	780	Active	To Reserve 2032
		Pumper 8	Piper	9,790	610	Active	To Reserve 2032
		Pumper 16	Turner	10,441	725	Active	To Reserve 2033
		Pumper 14	Klamm Park	5,168	414	Active	To Reserve 2034
11	2023						2 to be delivered Fall 2025
12	2024						2 to be delivered Winter 2026
13	2025						2 to be delivered 2027
14	2026						2 to be delivered 2028
15	2028						2 to be delivered 2030
16	2029						1 to be delivered 2031
17	2030						2 to be delivered 2032
18	2031						1 to be delivered 2033
19	2032						2 to be delivered 2034
20	2033						1 to be delivered 2035
21	2034						2 to be delivered 2036

New to 10 years of service and under 50,000 miles

11 to 15 years of service or 50,001 to 100,000 miles

16+ years of service or over 100,000 miles

10 Year Specialized Apparatus Replacement Cycle							
	Year	Unit ID	Location	Mileage	Engine Hours	Status	Estimated Dispositon
1	2004	Reserve Quint 2	Reserve	103,777	10,558	Reserve	
2	2011	Reserve Truck 1	Reserve	68,372	2,350	Reserve	
3	2011	Reserve Quint 1	Reserve	146,155	17,894	Reserve	
4	2014	Tower 6	Village West	77,234	7,081	Active	
5	2018	Quint 2	Midtown	43,408	4,153	Active	
6	2019	Truck 10	Rosedale	39,488	3,608	Active	
7	2019	Quint 12	Piper	45,708	4,686	Active	
8	2020	Truck 14	Klamm Park	22,361	2,640	Active	
9	2022	Truck 7	Argentine	67,168	2,208	Active	
10	2024	Truck 17	Turner	3,909	393	Active	
11	2023		Ladder Truck				To be Delivered in 2025
12	2024		Ladder Truck				To be Delivered in 2026
13	2025		Ladder Truck				To be Delivered in 2027
14	2027		Ladder Truck				To be Delivered in 2029
15	2030		Ladder Truck				To be Delivered in 2032
16	2032		Ladder Truck				To be Delivered in 2034
17	2033		Ladder Truck				To be Delivered in 2035
			Age New to 15 years				
			Age 15 years to 20 years				
			Age 20 years to 25 years				

10 Year HazMat Replacement Cycle

	Year	Unit ID	Location	Mileage	Engine Hours	Status	Disposition
1	2005	Reserve HazMat 1		24,536	2,327	Reserve	To become Air Unit
2	2006	Reserve HazMat 2		26,549	2,511	Reserve	To become Command Unit
3	2023	HazMat 3	Armourdale	0	0	Active	
4	2024	HazMat 2	Midtown	0	0	Active	

New to 10 years of service

11 to 15 years of service

16 years of service or older

10 Year Rescue Unit Replacement Plan

	Year	Unit ID	Location	Mileage	Engine Hours	Status	Disposition
1	2003	Reserve Rescue 1		44,147	3,339	Reserve	To Training in 2031
2	2018	Rescue Support	Strawberry Hill	42,942	3,240	Active	
3	2020	Rescue 1	Strawberry Hill	19,543	1,527	Active	To Reserve in 2031
4	2024	Rescue 6	Village West	1,779	106	Active	To Reserve in 2036
5	2029						To be delivered 2031
6	2034						To be delivered 2036

New to 10 years of service

11 to 15 years of service

16 years of service or older

10 Year Brush Truck Replacement Cycle

	Year	Unit ID	Location	Mileage	Status	Disposition
1	2003	Brush 18	Welborn	26,854	Active	To Reserve 2030
2	2003	Brush 9	Central Ave	19,553	Active	To Reserve 2031
3	2005	Brush 8	Piper	39,761	Active	To Reserve 2033
4	2006	Brush 16	Turner	9,664	Active	To Reserve 2034
5	2006	Brush 12	Piper	14,155	Active	To Reserve 2035
6	2029					To Be Delivered 2030
7	2030					To Be Delivered 2031
8	2032					To Be Delivered 2033
9	2033					To Be Delivered 2034
10	2034					To Be Delivered 2035

New to 10 years of service

11 to 15 years of service

16 years of service and older

10 Year Boat Replacement Plan

	Year	Unit ID	Location	Status	Disposition
1	2006	Inflatable		Reserve	For use in disaster deployment
2	2008	Boat 1	Strawberry Hill	Active	
3	2011	Inflatable		Reserve	For use in disaster deployment
4	2014	Boat 6	Village West	Active	
5	2017	Inflatable 6	Village West	Active	Stored on Rescue Unit
6	2021	Inflatable 1	Strawberry Hill	Active	Stored on Rescue Unit
7	2023	Boat 18	Welborn	Active	
8	2023	Boat 21	Strawberry Hill	Active	

New to 10 years of service

11 to 15 years of service

16 years of service and older

SECTION 6 – SUMMARY

MASTER PLAN SUMMARY

- LABOR - MANAGEMENT QUARTERLY MASTER PLAN PROGRESS MEETINGS WILL BE HELD
- ANNUAL PLAN EVALUATION TO IDENTIFY OUR SUCCESSES, BARRIERS, AND OPPORTUNITIES
- ONE ADDITIONAL YEAR WILL BE ADDED TO THE MASTER PLAN IN THE JANUARY QUARTERLY MEETING

IN CONCLUSION

PATH FORWARD:

1. NEXT MEETING SCHEDULED WITH BOARD OF COMMISSIONERS FOR JANUARY OR FEBRUARY 2025
2. MASTER PLAN APPROVAL BY UG COMMISSION
3. MASTER PLAN FUNDING BY CHIEF FINANCIAL OFFICER AND BUDGET DEPARTMENT
4. IMPLEMENT KCKFD MASTER PLAN
5. ANNUAL REVIEW AND MASTER PLAN UPDATES

SPECIAL THANK YOU TO:

- UG BOARD OF COMMISSIONERS
- MAYOR / CEO TYRONE GARNER AND STAFF
- UG EXECUTIVE STAFF MEMBERS
- IAFF LOCAL 64 LEADERSHIP
- FIRE ADMINISTRATION STAFF

IN CONCLUSION

THANK YOU!

QUESTIONS?

