



New Fire Station

Carlos Township
Belle River Township
City of Carlos

**TOWNSHIP PRESENTATION
MARCH 11, 2025**

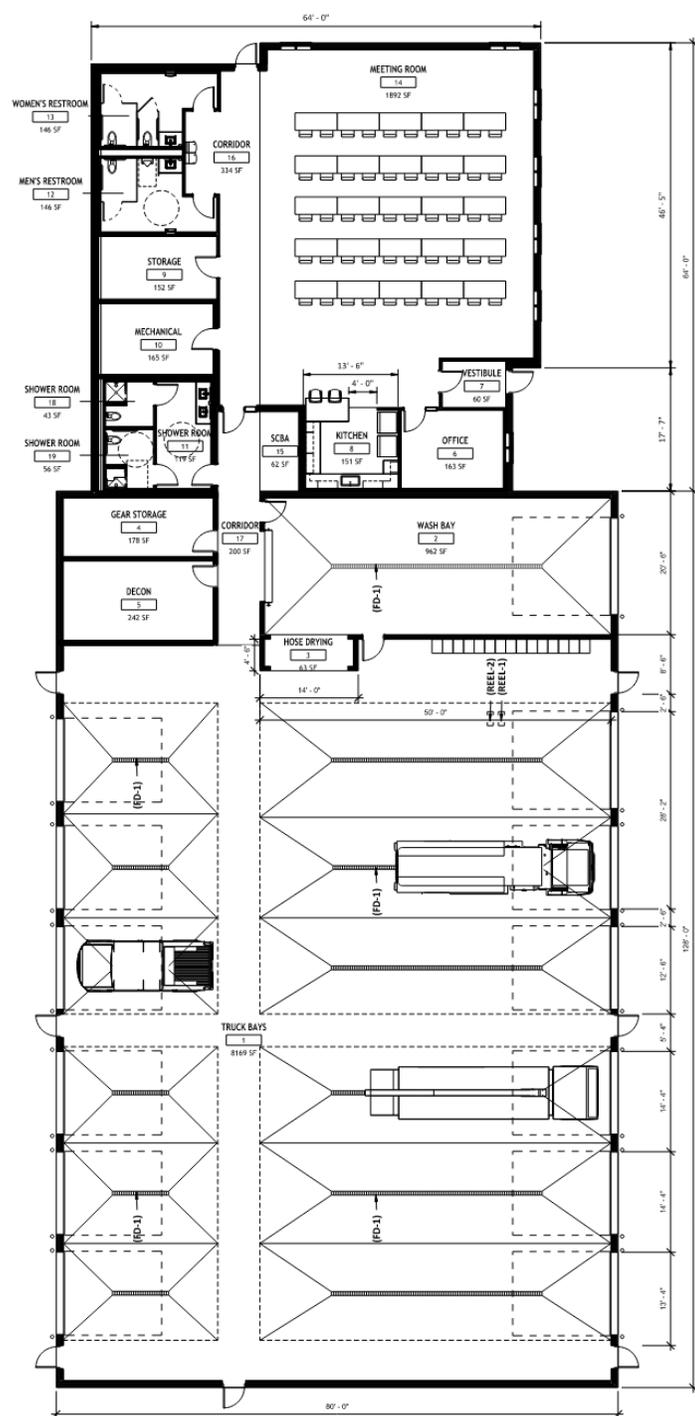


3721 23rd Street South
Suite 102
St. Cloud, MN 56301

PROJECT LOCATION



FLOOR PLAN

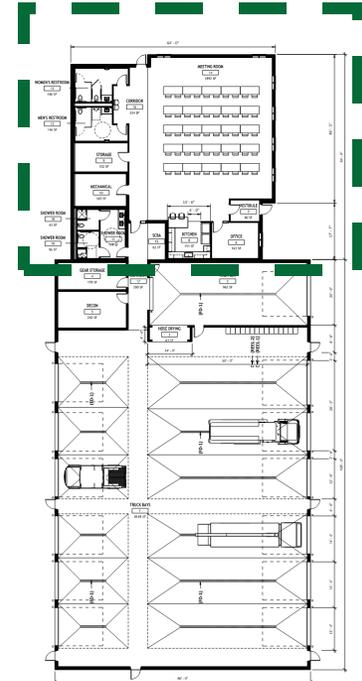
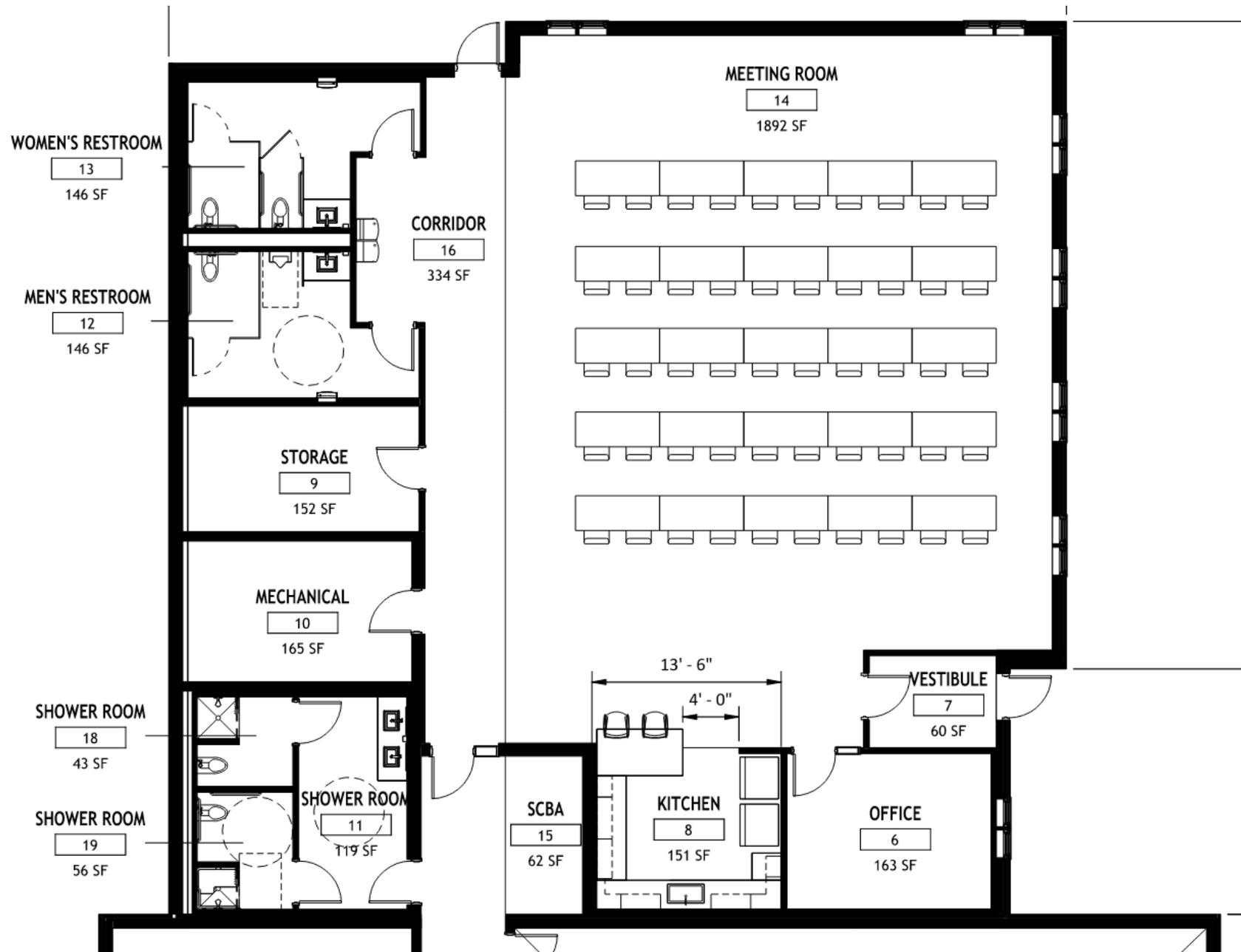


ADMIN SUPPORT

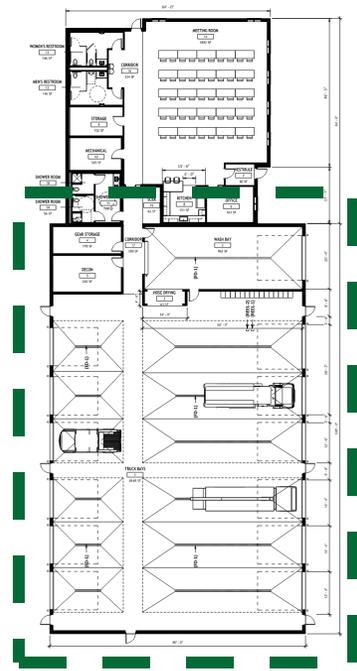
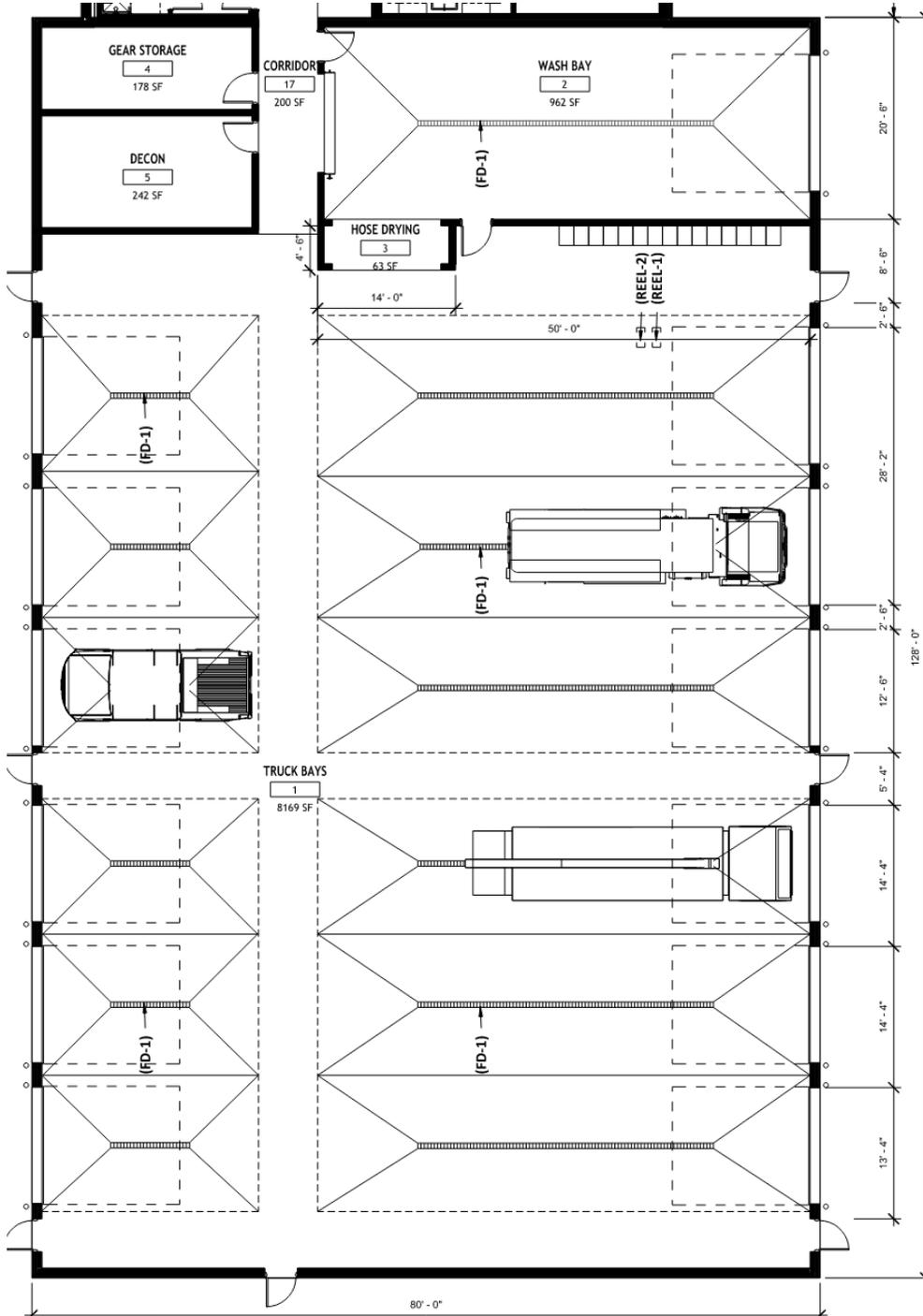
APPARATUS BAY



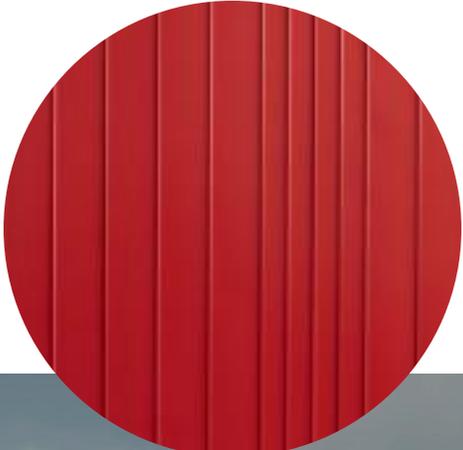
FLOOR PLAN



FLOOR PLAN



EXTERIOR CONCEPT



BENEFITS + POSITIVE OUTCOMES

01

**CONSOLIDATED
EQUIPMENT
LOCATION =
IMPROVED
RESPONSE TIMES**

CURRENTLY 13 FIRE
AND RESCUE TRUCKS
HOUSED IN 3
LOCATIONS AROUND
THE COMMUNITY



CURRENT EQUIPMENT LOCATIONS



BENEFITS + POSITIVE OUTCOMES

02

SAFER WORKING ENVIRONMENT FOR RESCUE PERSONNEL

IMPROVEMENTS TO OUTDATED FACILITIES TO BETTER HEALTH AND SAFETY MEASURES

*

INTEGRATED STORM SHELTER

*

ENHANCED, EFFICIENT BUILDING SYSTEMS TO ADDRESS INDOOR AIR QUALITY

*

IMPROVED LAYOUT AND WORKFLOW TO MINIMIZE ACCIDENTS

*

ADDED DECONTAMINATION AREAS REDUCING EXPOSURE TO HARMFUL TOXINS FOR FIRST RESPONDERS AND THEIR FAMILIES

COMPARED TO THE GENERAL PUBLIC, FIREFIGHTERS ARE AT A 14% INCREASED RISK OF CANCER-RELATED DEATHS*

*<https://blogs.cdc.gov/niosh-science-blog/2017/05/10/ff-cancer-facts/>



BENEFITS + POSITIVE OUTCOMES

03

FACILITIES THAT MEET MODERN NEEDS AND IMPROVE EFFICIENCY

AS FIRE AND RESCUE TECHNIQUES, CODES, AND EQUIPMENT EVOLVE, SO TOO MUST THE FACILITIES THAT HOUSE THEM

*

ADEQUATE FACILITY SPACE TO TRAIN PERSONNEL & STORE EQUIPMENT AWAY FROM THE ELEMENTS

*

COMPLIANCE WITH CURRENT CODES FOR DISABILITY, FIRE, BUILDING, AND OSHA STANDARDS

*

BUILDING SYSTEMS TO SUPPORT THE EVOLVING FIRE TRUCK, HOSE DRYING AND GEAR CLEANING
IMPROVING VOLUNTEER FIRST RESPONDER EFFICIENCY
PRE AND POST RESPONSE



BENEFITS + POSITIVE OUTCOMES

04

REDUCED LONG-TERM OPERATING COSTS

CURRENT BUILDING CONDITIONS ARE AT OR NEAR LIFE EXPECTANCY, REQUIRING SIGNIFICANT MAINTENANCE

*

NEW FACILITY TO USE LOW-MAINTENANCE, DURABLE MATERIALS SUCH AS PRECAST CONCRETE AND MEMBRANE ROOFING, PROVIDING POTENTIAL SAVINGS OF 10-20% IN OPERATING AND MAINTENANCE COSTS/YEAR*

**"World Green Building Trends 2021"

*

NEW FACILITY TO IMPROVE ENERGY EFFICIENCY VIA HVAC SYSTEMS, LED LIGHTING, AND BUILDING ENVELOPE DESIGN AND INSULATION, PROVIDING POTENTIAL SAVINGS OF 20-40% IN OPERATING COST/YEAR*

*<https://www.energy.gov/energysaver/why-energy-efficiency-matters>



BENEFITS + POSITIVE OUTCOMES

05

BETTER COMMUNITY FIRE RATING

PROVIDES
INCENTIVES AND
BENEFITS FOR
COMMUNITIES THAT
IMPROVE
FIREFIGHTING
SERVICES

*

50% OF A COMMUNITY'S
FIRE RATING SCORE IS
DETERMINED BY THE
OVERALL HEALTH OF THE
FIRE DEPARTMENT
INCLUDING:

FIRE FIGHTER TRAINING,
MAINTENANCE AND
TESTING OF PUMPS,
OVERALL OPERATIONAL
CONSIDERATIONS

*

BENEFITS OF IMPROVED
SCORE: ACCESS TO
GRANTS AND FUNDING,
LOWER INSURANCE
PREMIUMS, INCREASED
PROPERTY VALUE

*

SCORES RANGE FROM 1
(BEST) TO 10 (WORST)

**CARLOS AREA
COMMUNITY FIRE
RATING SCORE = 6**



NEXT STEPS/ANTICIPATED SCHEDULE

**Late
Winter
2025**

**Final
Concept**

**Spring
2025**

**Construction
Documents**

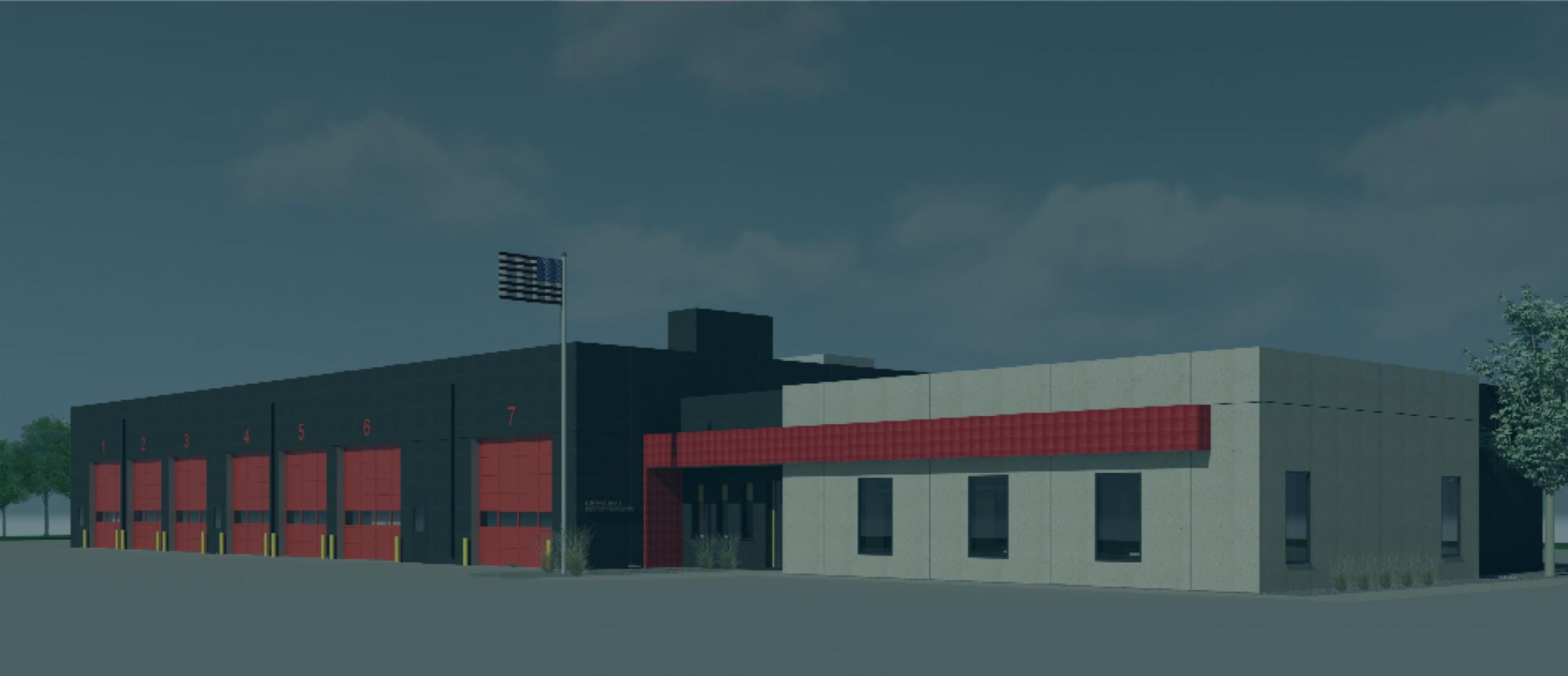
**Late
Summer
2025**

Bidding

**Fall
2025 -
Fall 2026**

Construction





THANK YOU

