

To Rocky River Planning Commission
From
Date
Re: Submittal for Preliminary Planning Commission Meeting – June 17, 2025

Notes/Comments

Attached is our submittal package for the Preliminary Planning Commission meeting scheduled for June 17, 2025.

The proposed project involves the demolition of the existing single-story, approximately 10,016 square foot, 4-bay fire station. In its place, a new two-story fire station with a footprint of approximately 15,949 square feet and six apparatus bays will be constructed. The property is zoned Public Facilities District, which permits this type of use.

The existing City Hall complex structures vary in height as follows:

- **City Hall:** ±26 feet
- **Municipal Court:** ±40 and ±45 feet
- **Police Station:** ±30 feet
- **Proposed New Fire Station:** ±35 feet

As part of the redevelopment, 30 existing parking spaces will be removed and replaced with 23 new spaces, resulting in a net loss of 7 parking spaces. These spaces are intended for use by fire department personnel only.

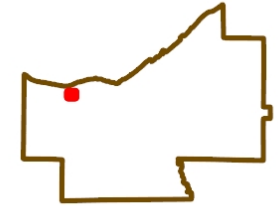
Included in the package are the following items:

- Regional Context Map
- Vicinity Map
- Existing Conditions Survey prepared by Bramhall Engineering
- Drawing C1.1 Site Layout Plan
- Drawing C1.2 Utility Plan
- Drawing C1.3 Grading Plan
- 11x17 Overall Landscape Plan
- 11x17 Enlarged Landscape Plan
- 11x17 Planting Materials Sheet
- Drawing A-111 Floor Plans- Basement, First Floor and Equipment Platforms
- Drawing A-112 Floor Plan – Second Floor
- 11x17 Exterior Materials Board
- Drawing A-201 Exterior Elevations
- Drawing A-1 Existing Context Photos
- Drawing A-2 Conceptual Elevation Full City Hall Complex and Rendering of New Fire Station
- Drawing A-3 Aerial and Perspective Views of New Fire Station
- 8 ½ x 11 Cut Sheets of Exterior Lighting to Match Police Station
- Drawing ES101 Electrical Site Plan
- Drawing Lighting Calculations
-

Please feel free to contact us with any questions regarding the submittal.



Cuyahoga County GIS Viewer



Date Created: 4/1/2025

Legend

- Municipalities
- Platted Centerline
- Parcel
- Private Road



LOCATION OF
PROPOSED FIRE
STATION

REGIONAL
CONTEXT MAP

1: 6,766



1,128 0 564 1,128 Feet

Projection:
WGS_1984_Web_Mercator_Auxiliary_Sphere

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.
THIS MAP IS NOT TO BE USED FOR NAVIGATION

VICINITY MAP

Rocky River Fire Station

Legend

- 21012 Hilliard Blvd
- AMC Westwood Town Center 6
- Beck Center for the Arts
- Cleveland Clinic Fairview Hospital
- Columbia Beach Falls
- Park



Google Earth

Image NOAA

LEGEND

CENTERLINE

RIGHT-OF-WAY

PROPERTY LINE

EX. PAVEMENT EDGE

EX. GAS

EX. SANITARY

EX. STORM

EX. WATER

EX. OVERHEAD UTILITIES

EX. FIBER OPTIC

EX. TELEPHONE

EX. BUILDING

EX. GUY WIRE

EX. FENCE

EX. 1FT CONTOUR

EX. 5FT CONTOUR

EX. MANHOLE

EX. CATCH BASIN

EX. FIRE HYDRANT

EX. WATER VALVE

EX. WATER METER

EX. MONITORING WELL

EX. SPRINKLER BOX

EX. TELEPHONE BOX

EX. CLEANOUT

EX. BENCHMARK

EX. GAS VALVE

EX. SIGN

EX. MAILBOX

CONTROL POINT

EX. ADA RAMP

EX. LAMP POST

EX. AIR CONDITIONER

EX. BOLLARD

EX. TRAFFIC PULL BOX

EX. TRAFFIC SIGNAL BOX

EX. MASTARM POLE

EX. GUY ANCHOR

EX. UTILITY POLE

EX. LIGHT POLE

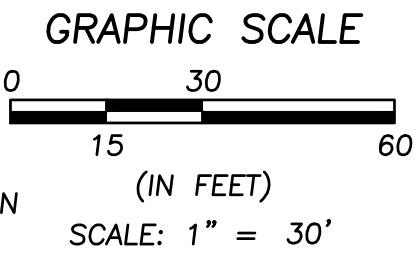
EX. UTILITY AND LIGHT POLE

EX. TREE (DECIDUOUS)

EX. TREE (CONIFER)

EX. BUSH

FF FINISHED FLOOR ELEVATION



EXISTING STORM STRUCTURE TABLE

STRUCTURE NAME	RIM	INVERT(S)
CB-1071	RIM 697.86	66" RCP (SE) INV.: 681.86 66" RCP (W) INV.: 681.86 8" PVC (S) INV.: 692.36
CB-1182	RIM 698.46	8" PVC (N) INV.: 694.41
CB-1273	RIM 698.48	12" HDPE (W) INV.: 688.78 12" HDPE (E) INV.: 688.88
CB-1396	RIM 698.19	NO PIPES VISIBLE
CB-1397	RIM 698.46	12" RCP (NW) INV.: 692.21 12" RCP (S) INV.: 692.11
CB-1420	RIM 698.09	8" PVC (SW) INV.: 695.19
CB-1566	RIM 698.55	62" HDPE (NW) INV.: 690.30 62" HDPE (SE) INV.: 690.30
CB-1569	RIM 698.45	8" PVC (W) INV.: 695.10 8" PVC (N) INV.: 695.60
CB-1662	RIM 697.68	8" PVC (NE) INV.: 692.83 8" PVC (SW) INV.: 692.83 10" PVC (N) INV.: 693.28
CB-1665	RIM 697.84	8" PVC (E) INV.: 694.29 8" PVC (SW) INV.: 694.24 8" PVC (N) INV.: 694.34
CB-1757	RIM 697.94	UNABLE OPEN
CB-1789	RIM 697.45	8" PVC (NE) INV.: 693.35 8" PVC (SW) INV.: 693.45
CB-1801	RIM 697.98	8" PVC (SW) INV.: 693.63
CB-1838	RIM 697.78	8" PVC (W) INV.: 694.18
CB-1848	RIM 698.10	12" PVC (SE) INV.: 690.40 12" RCP (N) INV.: 689.90 12" PVC (SW) INV.: 690.30 18" VCP (NE) INV.: 690.40 12" VCP (NW) INV.: 691.25
CB-1972	RIM 697.37	UNABLE TO OPEN DUE TO CAR
CB-2038	RIM 698.45	62" HDPE (SE) INV.: 690.25 62" HDPE (NW) INV.: 690.25
CB-2039	RIM 699.42	24" HDPE (N) INV.: 689.25 6" PVC Pipe (SW) INV.: 691.65*
CB-2040	RIM 698.57	8" PVC (NW) INV.: 694.42
MH-1874	RIM 699.13	6" PVC (SE) INV.: 691.83 10" PVC (NW) INV.: 690.63 6" PVC (E) INV.: 691.03
MH-1889	RIM 698.89	10" PVC (SE) INV.: 690.44 12" PVC (NW) INV.: 690.09

* ORIFICE IN WALL, TOP OF WALL 694.40

EXISTING SANITARY STRUCTURE TABLE

STRUCTURE NAME	RIM	INVERT(S)
SMH-1849	RIM 698.27	8" PVC (SE) INV.: 688.97 8" VCP (SW) INV.: 688.87 8" VCP (S) INV.: 689.17 8" VCP (N) INV.: 692.02 8" VCP (NE) INV.: 688.87
SMH-1890	RIM 698.98	8" PVC (NW) INV.: 689.03 8" VCP/PVC (SE) INV.: 689.08
SMH-1920	RIM 699.13	6" VCP (W) INV.: 696.13 6" VCP (W) INV.: 694.13 8" VCP (S) INV.: 689.18 8" VCP/PVC (NW) INV.: 689.18 8" VCP (E) INV.: 689.18

OHIO UTILITIES PROTECTION SERVICE

BEFORE YOU DIG ANYWHERE IN OHIO!
CALL 1-800-362-2764 OR 8-1-1 (TOLL FREE)
OHIO LAW REQUIRES 48 HOURS BUT NO MORE THAN 10 WORKING DAYS NOTICE TO UTILITIES
BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH
(NON MEMBERS MUST BE CALLED DIRECTLY)
WWW.OUPS.ORG

TICKET NOS.: B512602244-00B AND B512602243-00B

UNDERGROUND UTILITIES

Contact Two Working Days
Before You Dig

OHIO811.org
Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

EXISTING UNDERGROUND UTILITIES NOTE:

THE SIZE & LOCATION, BOTH HORIZONTAL AND VERTICAL, OF THE UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A SEARCH OF AVAILABLE RECORDS. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL. HOWEVER, BRAMHALL ENGINEERING AND SURVEYING COMPANY DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.

SURVEY NOTE:

A BOUNDARY SURVEY PURSUANT TO CHAPTER 4733-37 OF THE OHIO ADMINISTRATIVE CODE HAS NOT BEEN PERFORMED BY BRAMHALL ENGINEERING & SURVEYING COMPANY. THIS PLAN IS BASED UPON AVAILABLE COUNTY INFORMATION.

BENCHMARKS

TOP TURN NUT ON HYDRANT
ELEVATION = 701.42

CONTROL POINTS

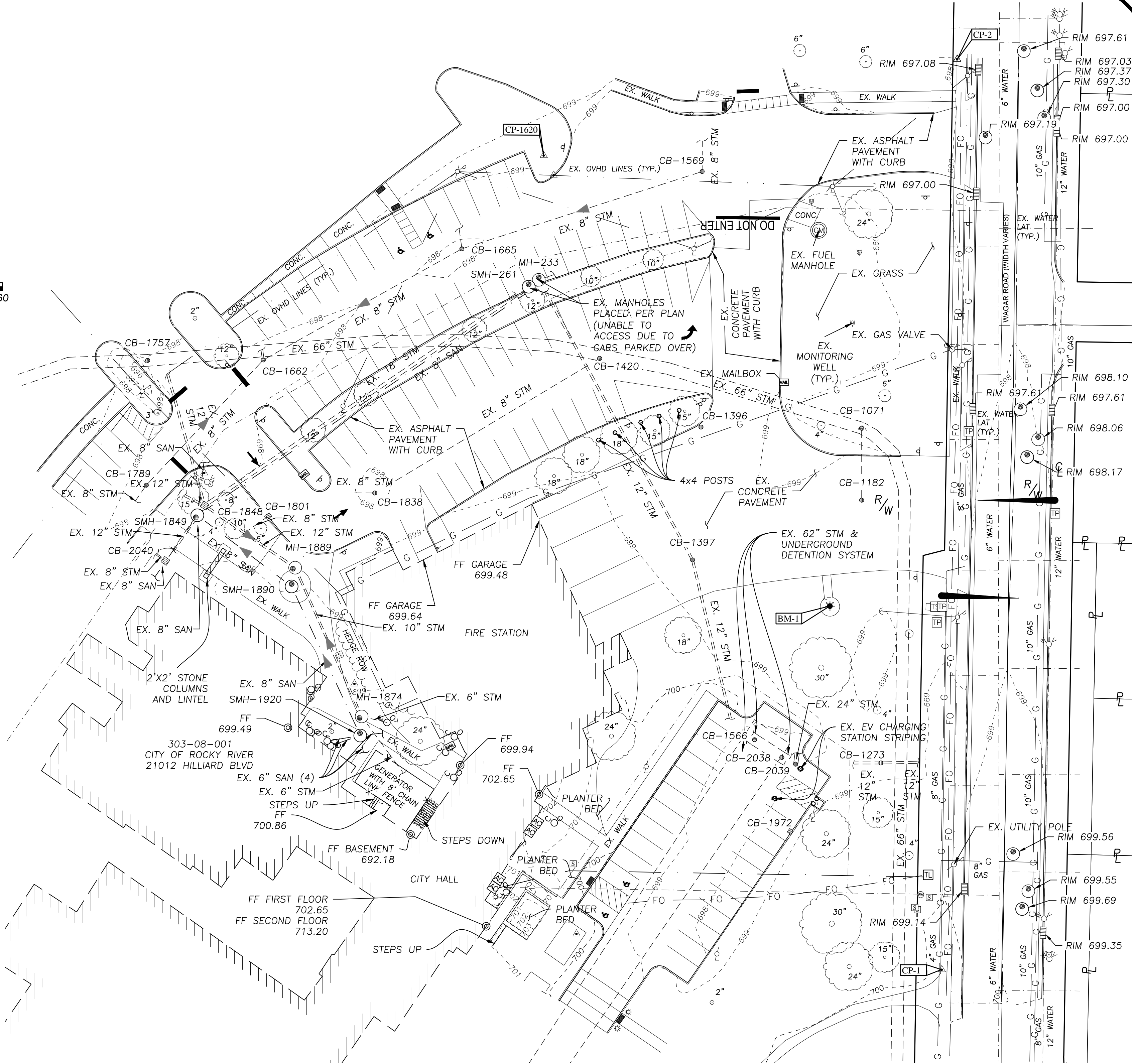
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MAGNETIC NAIL SET
N: 656744.21
E: 2145919.44

CONTROL POINT NO. 2
MAGNETIC NAIL SET
N: 657189.81
E: 2145926.62

PROJECT DATUM

OHIO STATE PLANE COORDINATE
SYSTEM NORTH ZONE (3401)
HORIZONTAL DATUM: NAD 1983
VERTICAL DATUM: NAVD 1988

CONTROL POINT NO. 1620
SCP REBAR FOUND
N: 657124.87
E: 2145733.32



DATE:	BY:	DESCRIPTION:
2025-05-29	AMK	ISSUE TO CLIENT

DRAWN BY: CAT
CHECKED BY: AMK

BRAMHALL

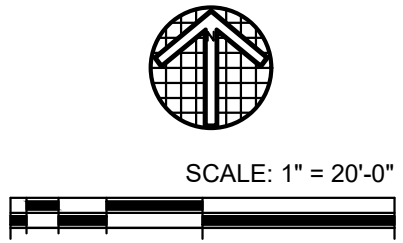
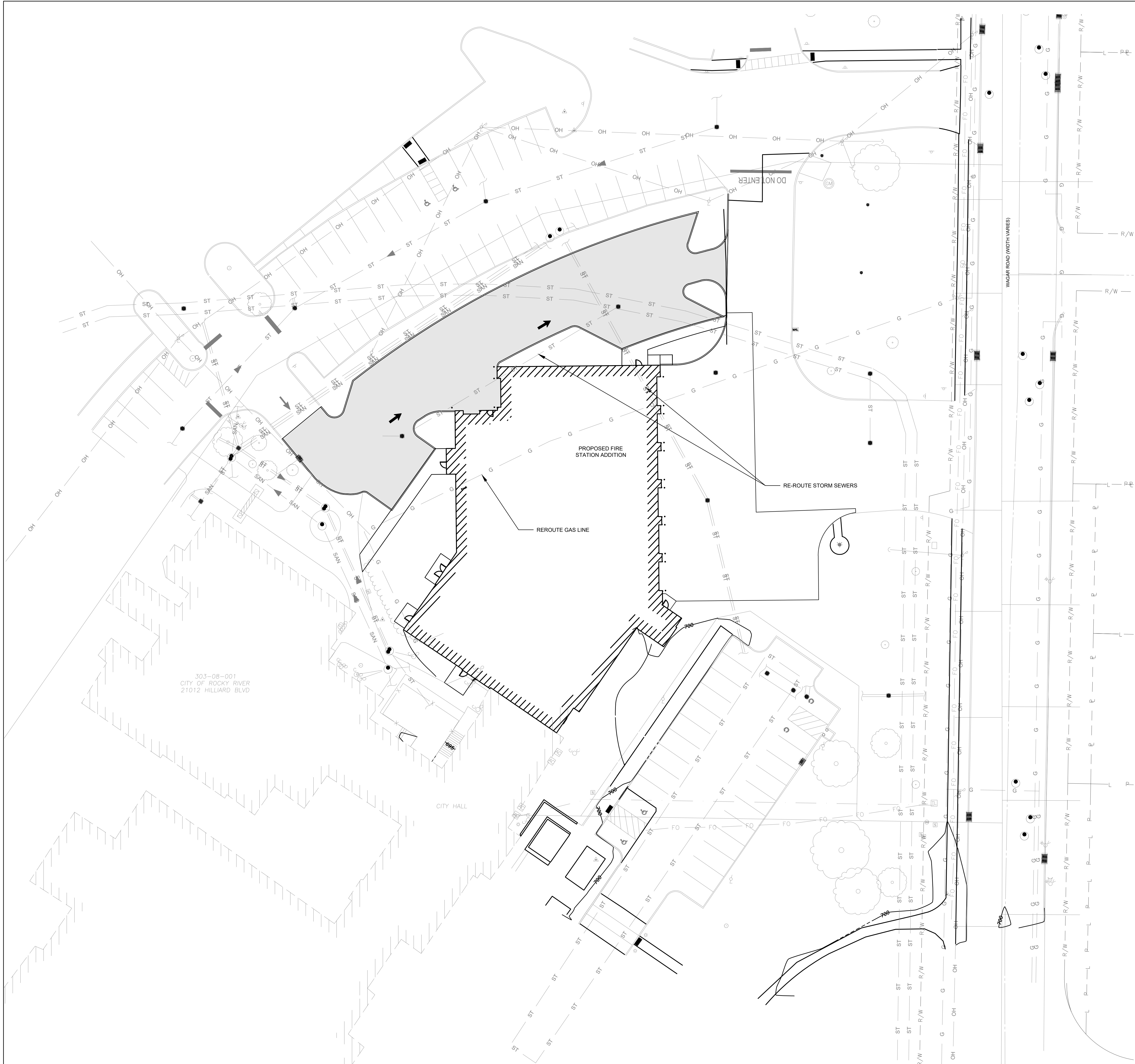
ENGINEERING AND SURVEYING COMPANY
801 MOORE ROAD AVON, OHIO 44011
(440) 934 - 7878 (440) 934 - 7879 FAX

PREPARED FOR:

CITY OF ROCKY RIVER
21012 HILLIARD BLVD
ROCKY RIVER, OH 44116

ROCKY ROVER CITY HALL COMPLEX
EXISTING CONDITIONS
CITY OF ROCKY RIVER, COUNTY OF CUYAHOGA,
STATE OF OHIO

SHEET
1 OF 1
JOB NO.
25-6324



UTILITY NOTES

- A. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER, ARCHITECT AND/OR OWNER, IN ORDER TO OBTAIN AND/OR PAY ALL THE NECESSARY LOCAL PERMITS, FEES AND BONDS.
- B. THE CONTRACTOR SHALL PROVIDE A MINIMUM NOTICE OF FOURTEEN (14) DAYS TO ALL CORPORATIONS, COMPANIES AND/OR LOCAL AUTHORITIES OWNING OR HAVING JURISDICTION OVER UTILITIES RUNNING TO, THROUGH OR ACROSS PROJECT AREAS PRIOR TO DEMOLITION AND/OR CONSTRUCTION ACTIVITIES.
- C. THE LOCATION, SIZE, DEPTH AND SPECIFICATIONS FOR CONSTRUCTION OF PROPOSED PRIVATE UTILITY SERVICES SHALL BE TO THE STANDARDS AND REQUIREMENTS OF THE RESPECTIVE UTILITY COMPANY (ELECTRIC, TELEPHONE, CABLE TELEVISION, FIRE ALARM, GAS WATER, AND SEWER).
- D. A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH THE OWNER, ENGINEER, ARCHITECT, CONTRACTOR, LOCAL OFFICIALS, AND ALL PROJECT-RELATED UTILITY COMPANIES (PUBLIC AND PRIVATE) PRIOR TO START OF CONSTRUCTION.
- E. ALL CONSTRUCTION SHALL CONFORM TO THE TOWNSHIP STANDARDS AND REGULATIONS, UNLESS OTHERWISE SPECIFIED. ALL CONSTRUCTION ACTIVITIES SHALL CONFORM TO LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) RULES AND REGULATIONS.
- F. THE CONTRACTOR IS TO VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITY STUBS PRIOR TO CONSTRUCTION AND DISCONNECT ALL EXISTING SERVICE CONNECTIONS AT THEIR RESPECTIVE MAINS IN ACCORDANCE WITH THE RESPECTIVE UTILITY COMPANY'S STANDARDS AND SPECIFICATIONS.
- G. AS-BUILT PLANS SHALL BE SUBMITTED TO THE TOWNSHIP ENGINEER BY THE CONTRACTOR.
- H. THE CONTRACTOR IS RESPONSIBLE FOR PAYMENT OF ALL UTILITY CONNECTION FEES, APPLICATION FEES, SERVICE CONNECTION FEE AND TAP-IN FEE. COST TO BE INCLUDED IN BASE BID.
- I. FRAMES AND COVERS: MANHOLE FRAMES AND COVERS SHALL BE OF HEAVY DUTY DESIGN AND PROVIDE A 24 INCH DIA. CLEAR OPENING. THE WORD "SEWER" OR "STORM" SHALL BE CAST INTO THE CENTER OF THE UPPER FACE OF EACH COVER WITH RAISED, 3" LETTERS.
- J. CONTRACTOR SHALL PLACE 4" WIDE METAL WIRE IMPREGNATED PLASTIC WARNING TAPE OVER ENTIRE LENGTH OF ALL GRAVITY SEWERS AND SERVICES, SEE SPECIFICATIONS FOR COLOR CODE.
- K. SANITARY SEWER LINES SHALL BE LOCATED AT LEAST TEN (10) FEET HORIZONTALLY FROM AN EXISTING OR PROPOSED WATER LINE. WHEN A SEWER LINE CROSSES A WATER LINE, THE SEWER LINE SHALL EXTEND A MINIMUM OF TEN (10) FEET TO EACH SIDE OF THE WATER LINE. THE SEWER LINE SHALL ALSO MAINTAIN A VERTICAL SEPARATION OF NOT LESS THAN 18 INCHES.
- L. PROPOSED RIM ELEVATIONS OF STORM AND SANITARY MANHOLES ARE APPROXIMATE. FINAL ELEVATIONS AREA TO BE SET FLUSH WITH FINISHED GRADE. ADJUST ALL OTHER RIM ELEVATIONS OF MANHOLES, WATER GATES, GAS GATES AND OTHER UTILITIES TO FINISHED GRADE AS SHOWN ON THE GRADING AND THE UTILITY PLAN.
- M. SEWER AND WATER LINES AND ALL APPURTENANCES SHALL BE CONSTRUCTED AND TESTED IN ACCORDANCE WITH THE STATE AND TOWNSHIP SEWER AND WATER SPECIFICATIONS AND DETAILS.
- N. ALL WATER MAINS AND SERVICE PIPES SHALL HAVE A MINIMUM 18" VERTICAL AND 5'-0" HORIZONTAL SEPARATION TO STORM MANHOLES AND CATCH BASINS, OR CONTRACTOR SHALL INSTALL INSULATION FOR FREEZING PROTECTION (GILSUALTE 500 XR).
- O. THRUST BLOCKS OR MECHANICALLY RESTRAINED JOINTS SHALL BE PROVIDED AT ALL BENDS, TEES, MECHANICAL JOINTS AND FIRE HYDRANTS.
- P. THE CONTRACTOR IS TO VERIFY WITH THE ARCHITECT'S PLAN THE LOCATIONS OF ALL UTILITIES STUB LOCATION WITHIN THE BUILDING PRIOR TO CONSTRUCTION.
- Q. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS.
- R. NO ROOF, STORM OR CELLAR SEEPAGE WATER OR GROUND WATER OF ANY NATURE SHALL BE ALLOWED TO ENTER THE SANITARY SEWER SYSTEM.
- S. FIELD VERIFY ALL EXISTING STORM AND SANITARY INVERTS PRIOR TO CONSTRUCTION.
- T. ALL SANITARY MANHOLES SHALL HAVE FILLETED INVERTS.
- U. ALL INLETS, MANHOLES, PIPES AND CULVERTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATIONS SET FORTH IN THE LATEST EDITION OF THE ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS



3135 Euclid Ave.
Cleveland, OH 44115
216-391-3700 | karpinskieng.com

KEY PLAN

CONSULTANTS

PROJECT NAME
ROCKY RIVER FIRE STATION

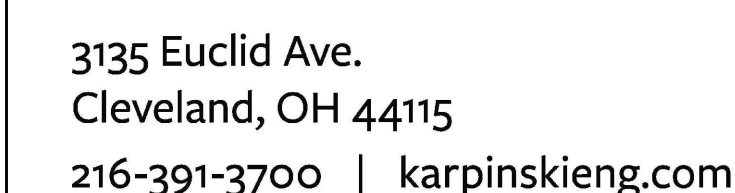
CLIENT NAME
PERSPECTUS ARCHITECHTURE

REV. NO.	DESCRIPTION	DATE

PROJECT NO: 2025-1009
DRAWN BY: MJ/SMA
APPROVED BY: LS
DATE: 06/02/2025
SCALE: AS SHOWN
SHEET TITLE

UTILITY PLAN

SHEET NUMBER
C1.2



- ## GENERAL NOTES

- A. UNDERGROUND FACILITIES, UTILITIES AND STRUCTURES HAVE BEEN PLOTTED FROM FIELD OBSERVATION AND THEIR LOCATION MUST BE CONSIDERED APPROXIMATE ONLY. NEITHER BRAHMHALL ENGINEERING AND SURVEY COMPANY NOR KARNSPEN ENGINEERING NOR ANY OF THEIR EMPLOYEES TAKE RESPONSIBILITY FOR THE LOCATION OF ANY UNDERGROUND STRUCTURES AND/OR UTILITIES NOT SHOWN THAT MAY EXIST. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL UNDERGROUND STRUCTURES AND/OR UTILITIES LOCATED PRIOR TO EXCAVATION BY CALLING 811.
- B. ELEVATIONS SHOWN ARE TIED TO TO THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88)
- C. ALL BENCHMARKS AND TOPOGRAPHY SHOULD BE FIELD VERIFIED BY THE CONTRACTOR. BENCHMARKS SHOWN ON PLAN ESTABLISHED BY OR FOR THE BRAHMHALL ENGINEERING AND SURVEY COMPANY. THE CONDITION OF BENCHMARK MUST BE VERIFIED PRIOR TO CONSTRUCTION.
- D. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
- E. ALL STORM STRUCTURES SHALL BE PRECAST UNLESS OTHERWISE SPECIFIED. SEE UTILITY PLAN FOR STORM STRUCTURE SCHEDULE AND SHEET D3 FOR STORM DETAILS.
- F. IN AREAS WHERE CONSTRUCTION IS PROPOSED ADJACENT TO ABUTTING PROPERTIES, THE CONTRACTOR SHALL INSTALL ORANGE CONSTRUCTION FENCING ALONG LEASE LINE OR PROPERTY LINES IN ALL AREAS WHERE EXCAVATION, FILL OR SILT ARE TO BE PLACED.

KEY PLAN

CONSULTANTS

PROJECT NAME

ROCKY RIVER FIRE STATION

	CLIENT NAME

PERSPECTUS ARCHITECTURE

REV NO	DESCRIPTION	DATE

REV. NO.	DESCRIPTION	DATE
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PROJECT NO: 2025-1009

DRAWN BY: MJ/SMA

APPROVED BY: LS

DATE: 06/02/2025

SCALE: AS SHOWN

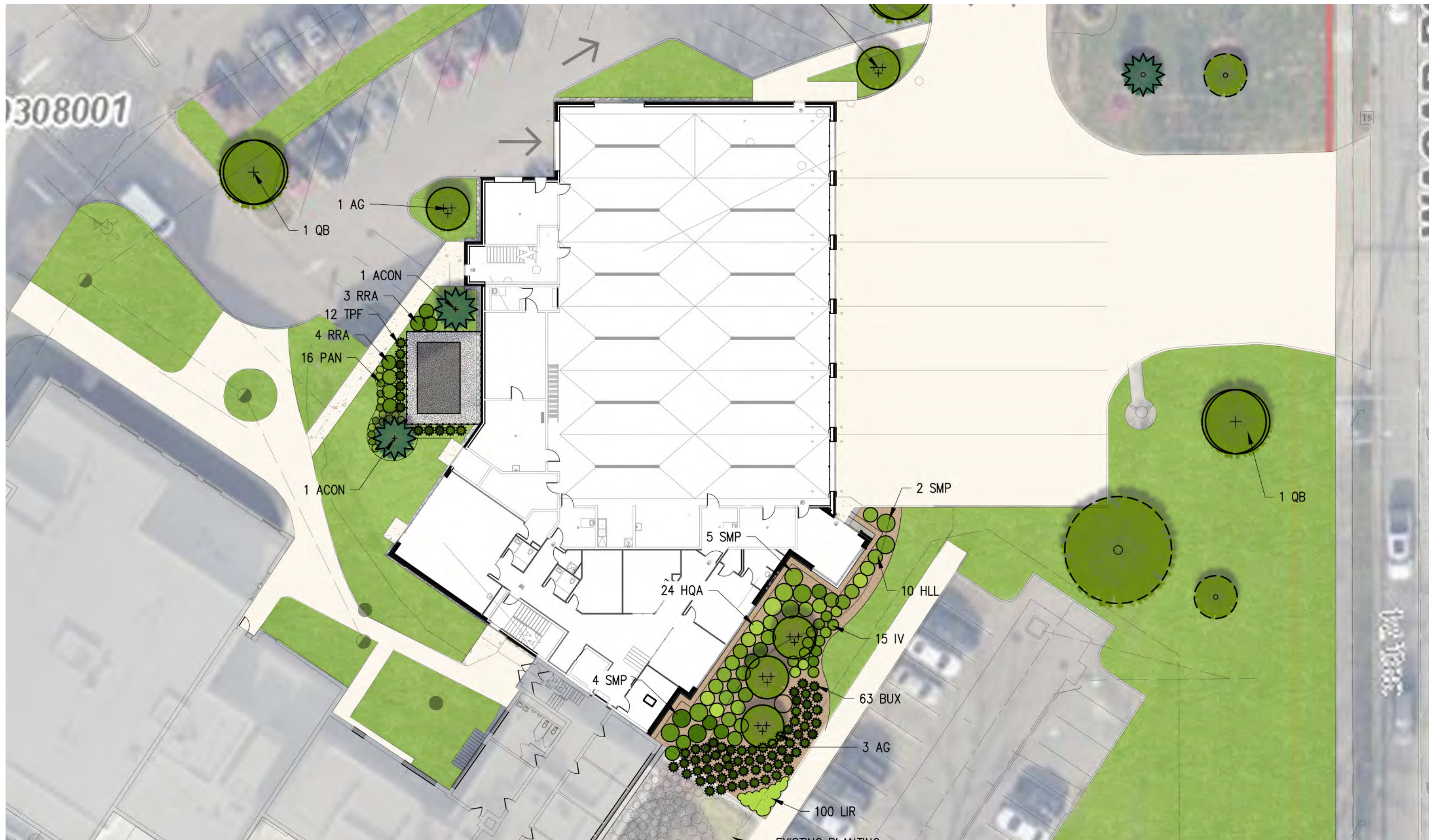
SHEET TITLE

GRADING PLAN

SHEET NUMBER

C1.3







ACON - Concolor White Fir



AR - Red Maple



AG - Serviceberry,
multi-stem



QB - Swamp White Oak



TPF - Fastigate Western Arborvitae



BUX - NewGen Freedom
Boxwood



HILL - Little Lime Hydrangea



HQA - Applause
Oakleaf Hydrangea



RRA - White Rugosa Rose



SMP - Palabin Lilac



LIR - Creeping Lily Turf



PAN - Red Switch Grass

LEGEND - FLOOR PLAN

- Existing construction to remain
New construction
Not in contract (NIC)

GENERAL NOTES - FLOOR PLAN

- A. All new partitions to be Type 'A1' unless noted otherwise. Refer to A6 series drawings for partition information.
B. Contractor to verify all dimensions and conditions in the field prior to commencement of work. If drawings conflict with actual field conditions, contact Architect prior to proceeding with work.
C. Refer to Life Safety Plans for rated wall locations.
D. Dashed furniture and equipment items shown for reference only and is not part of the General Contract. These items will be provided and installed by Owner. Contractor may need to coordinate specific fixture and equipment requirements if noted.
E. Provide concealed in-wall reinforcing/blocking for attachment of all millwork, casework, and/or accessories.
F. All dimensions are to finish face of gypsum board unless noted otherwise.
G. Verify in field with designer final locations of all light switches, strobes, fire extinguisher cabinets, fire alarm pulls and other devices on walls.

CODED NOTES - FLOOR PLAN

- 1 6" Diameter pipe bollard, painted
2 Steel access ladder
3 Guardrail
4 8- Inch trench drain, typical
5 Shoreline power reel
6 Truck fill line
7 Water hose reel
8 Sprinkler fire riser
9 Gear locker, typical
10 Infinity wardrobe locker, typical

3 FLOOR PLAN - EQUIPMENT PLATFORMS
A-111 Scale: 1/8" = 1'-0"

2 FLOOR PLAN - BASEMENT
A-111 Scale: 1/8" = 1'-0"

1 FLOOR PLAN - FIRST FLOOR
A-111 Scale: 1/8" = 1'-0"

15, 939 SF

24-114
New Fire Station
City of Rocky River
21012 Hilliard Blvd
Rocky River, Ohio 44116

ISSUE DATE
Schematic Design 03-26-2025
Pre-Preliminary Planning 05-05-2025
Commission
Preliminary Planning 06-03-2025
Commission

FLOOR PLANS -
BASEMENT, FIRST
FLOOR & EQUIPMENT
PLATFORMS

A-111

LEGEND - FLOOR PLAN

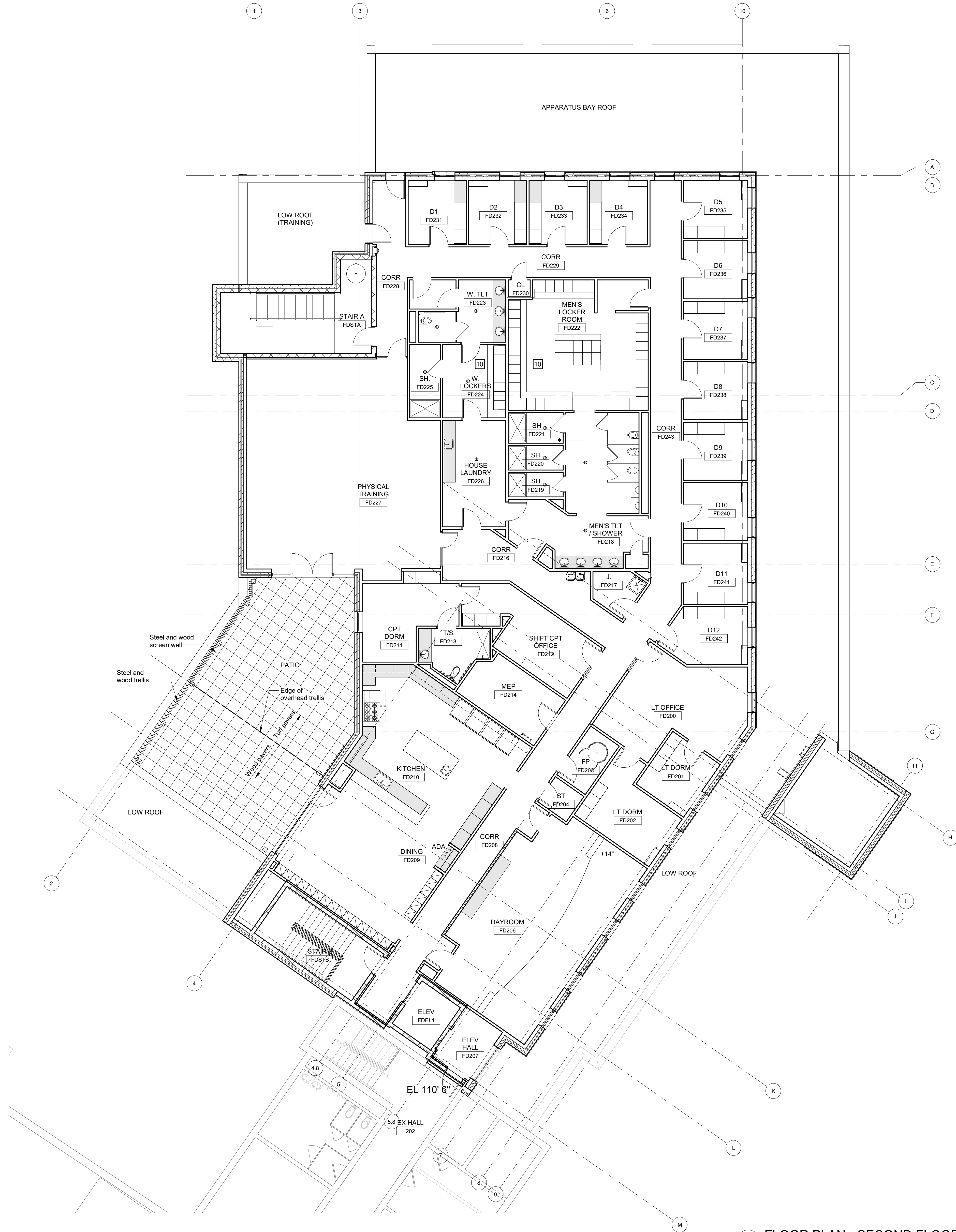
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- 6 Truck fill line
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- 9 Gear locker, typical
- 10 Infinity wardrobe locker, typical



1 FLOOR PLAN - SECOND FLOOR
A-112 9, 739 SF + Patio 864 SF

24-114
New Fire Station
City of Rocky River
21012 Hilliard Blvd
Rocky River, Ohio 44116

ISSUE	DATE
Schematic Design	03-26-2025
Pre-Preliminary Planning	05-05-2025
Commission	
Preliminary Planning	06-03-2025
Commission	

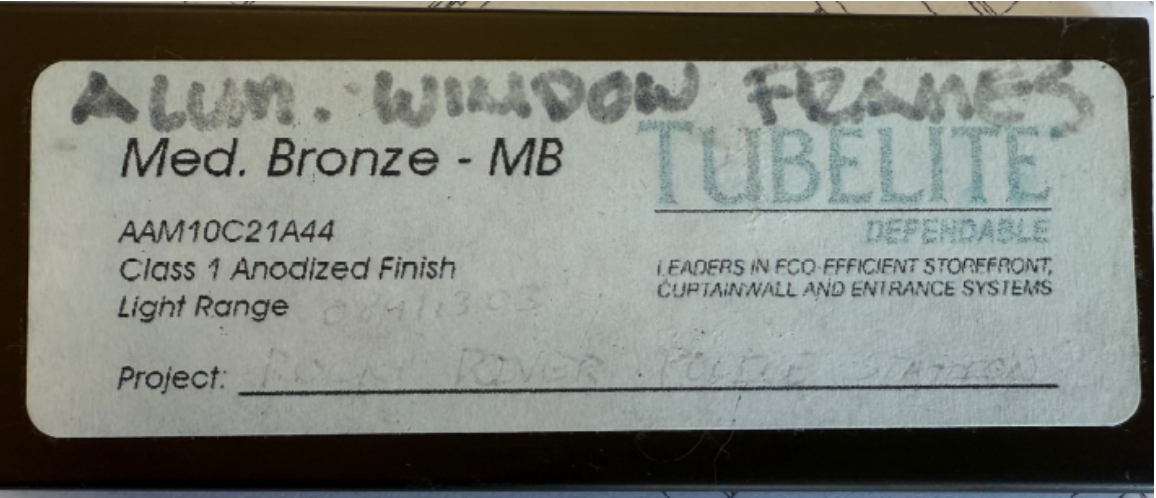
FLOOR PLAN - SECOND
FLOOR



Stone trim
(Match existing Police)

SMOKY QUARTZ WIRECUT
MODULAR

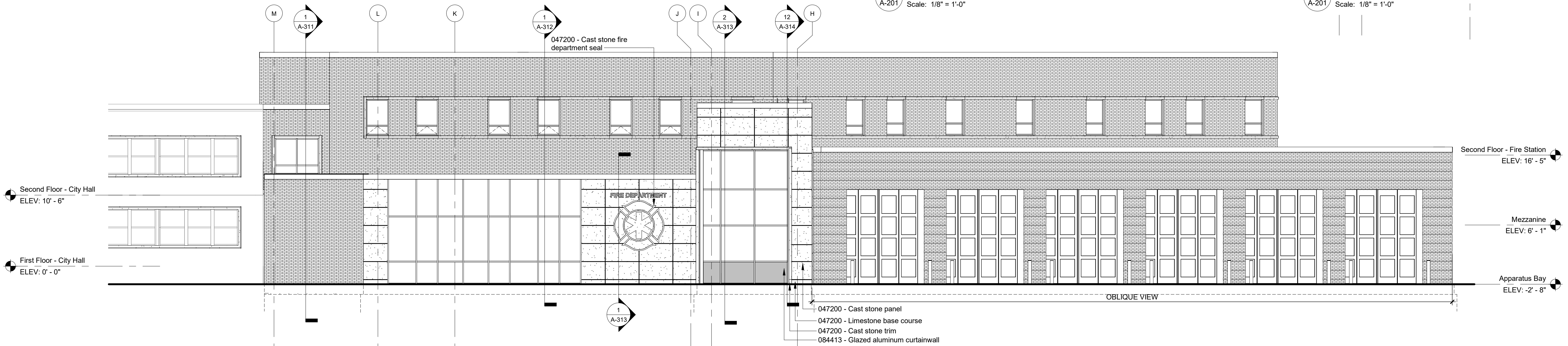
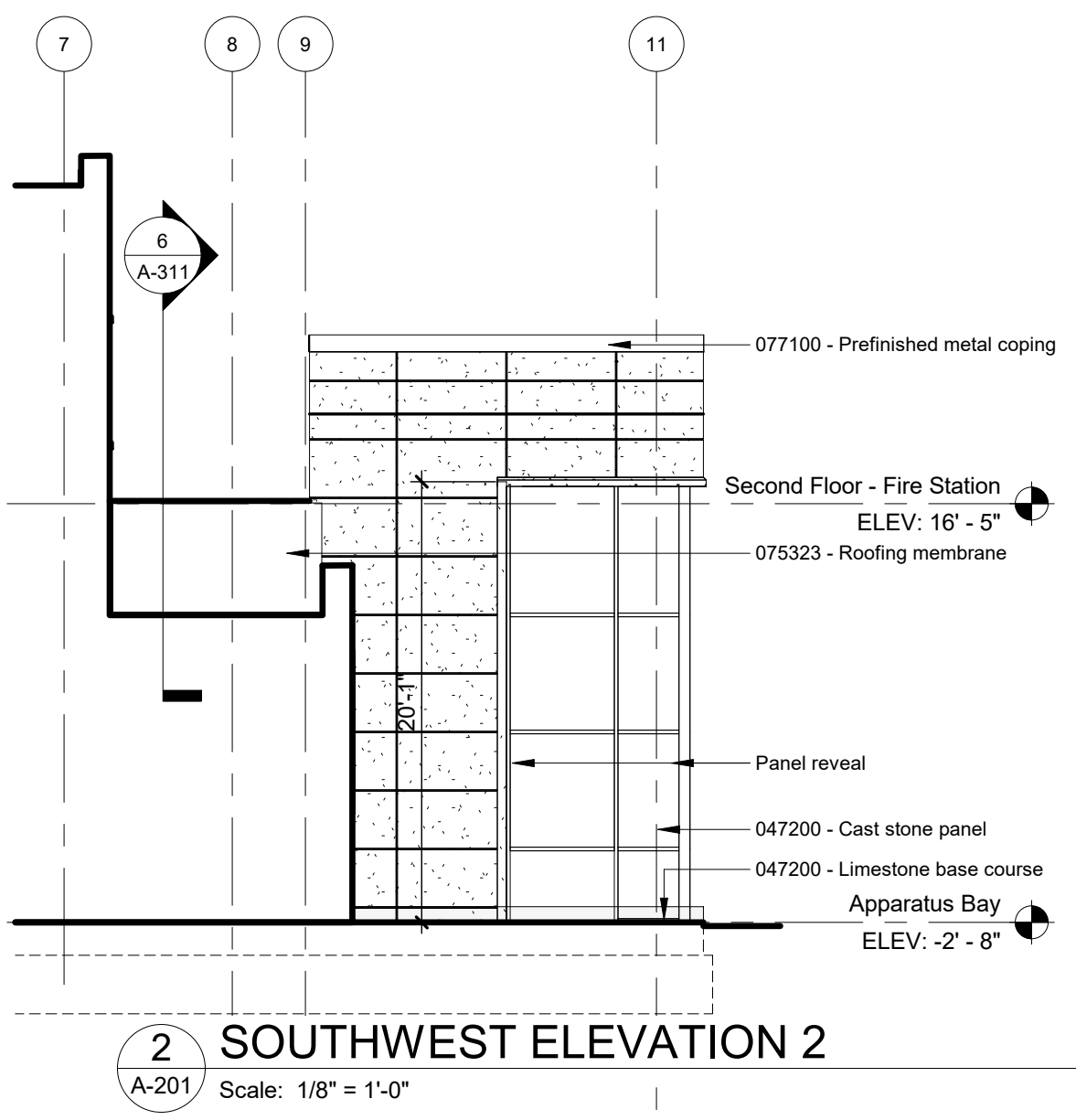
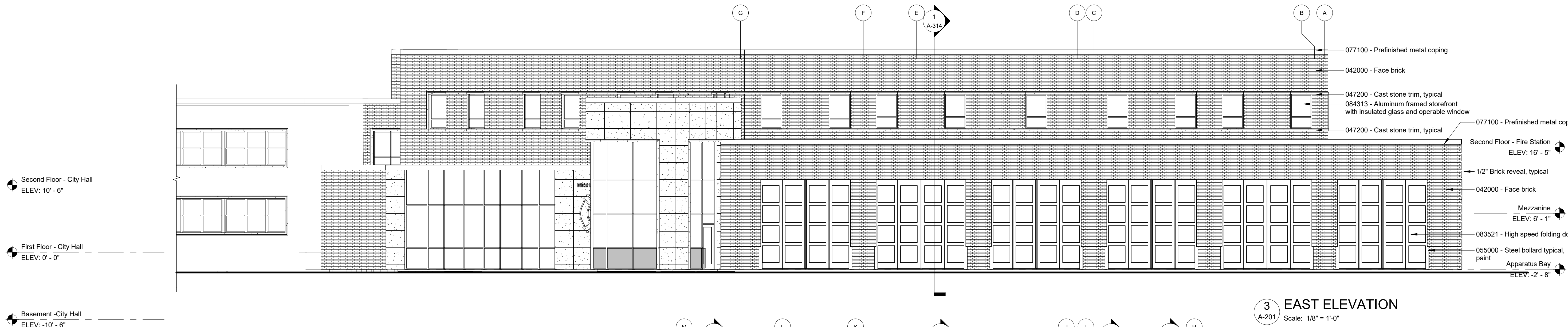
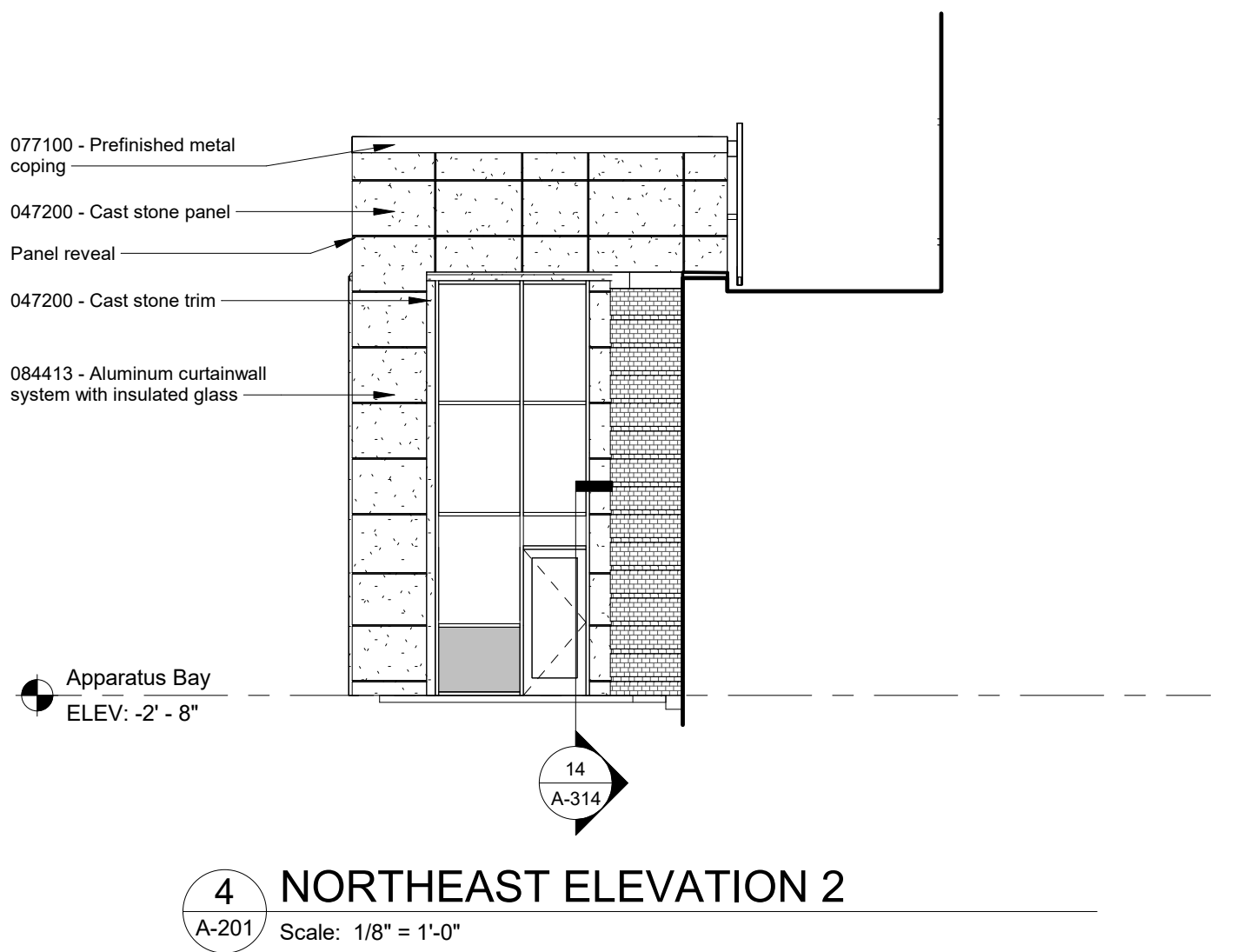
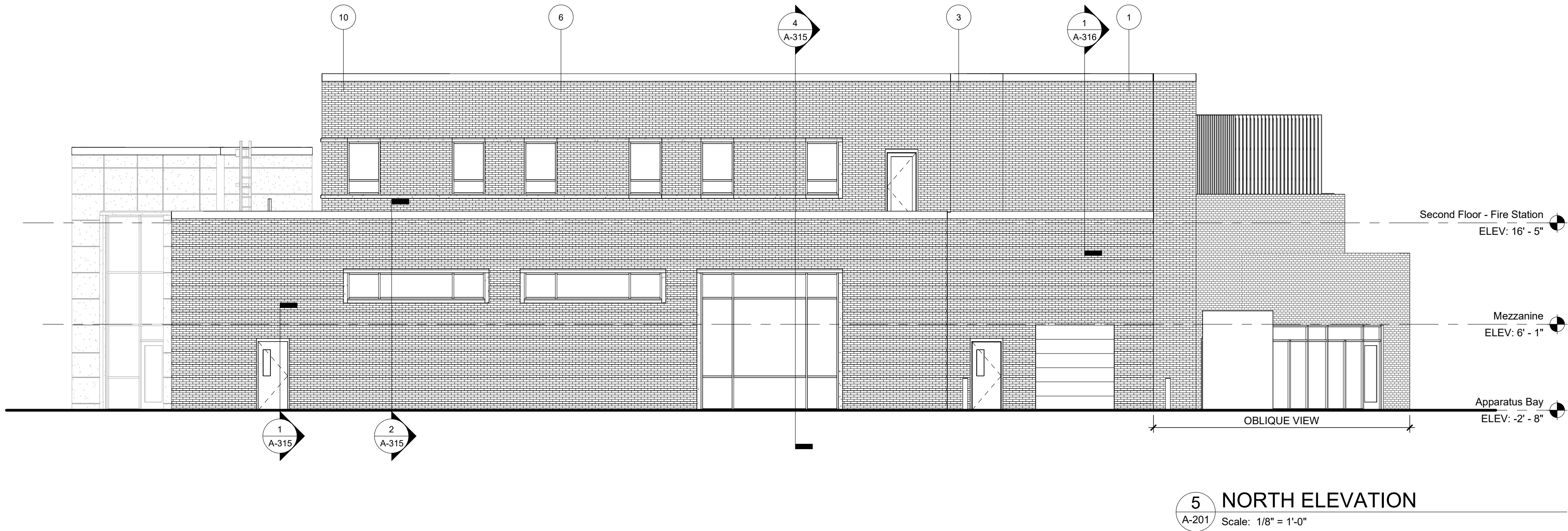
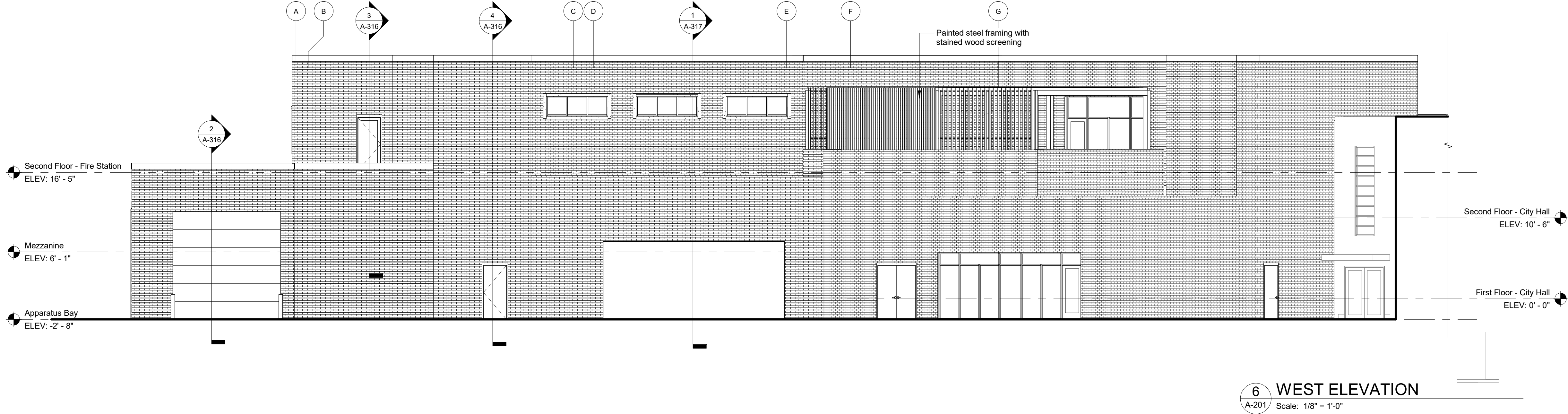
Face Brick
(Match existing Police)



Window Frames
(Match existing Police)

LEGEND - EXTERIOR ELEVATIONS

- IG-1 Insulated Vision Glass
- IG-2 Insulated Spandrel Glass





EXISTING GENERATOR (POLICE)



EXISTING POLICE STATION



EXISTING CITY HALL/ FIRE STATION



EXISTING FIRE STATION (TO BE DEMOLISHED)



EXISTING FIRE STATION (TO BE DEMOLISHED)



EXISTING GENERATOR (CITY HALL)



EXISTING MUNICIPAL COURT



EXISTING MUNICIPAL COURT



EXISTING POLICE STATION



EXISTING CITY HALL



EXISTING POLICE STATION



EXISTING CITY HALL



NEW FIRE STATION



1 OVERALL UNFOLDED CONCEPT ELEVATION
A-2 Scale: 1/16" = 1'-0"



1 Aerial View
A-3 Scale:



2 Perspective A
A-3 Scale:



3 Perspective B
A-3 Scale:



4 Perspective C
A-3 Scale:

DESCRIPTION

The Impact Elite family of wall luminaires is the ideal complement to site design. Incorporating modular LightSquares technology, the Impact Elite luminaire provides outstanding uniformity and energy-conscious illumination. Combined with a rugged construction, the Impact Elite luminaire is the ideal facade and security luminaire for zones surrounding schools, office complexes, apartments and recreational facilities. UL/cUL listed for wet locations.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Heavy-wall, die-cast aluminum housing and removable hinged door frame for precise tolerance control and repeatability. Hinged door inset for clean mating with housing surface and secured via two captive fasteners. Optional tamper-resistant Torx™ head fasteners offer vandal resistant access to the electrical chamber.

Optics

Choice of 10 patented, high-efficiency AccuLED Optics™ distributions. Optics are precisely designed to shape the light output, maximizing efficiency and application spacing. AccuLED Optics technology creates consistent distributions with the scalability to meet customized application requirements. Offered Standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K, 5000K and 5700K CCT.

Electrical

LED drivers mount to die-cast aluminum back housing for optimal heat sinking, operation efficacy, and prolonged life. Standard drivers feature electronic universal voltage (120-277V 50/60Hz), 347V 60Hz or 480V 60Hz operation, greater than 0.9 power factor, less than 20% harmonic distortion, and are suitable for operation in -40°C to 40°C ambient environments. All fixtures are shipped standard with 10kV/10kA common – and differential – mode surge protection. LightSquares feature an IP66 enclosure rating and maintain greater than 90% lumen maintenance at 60,000 hours per IESNA TM-21. Emergency egress options for -20°C ambient environments and occupancy sensor available.

Mounting

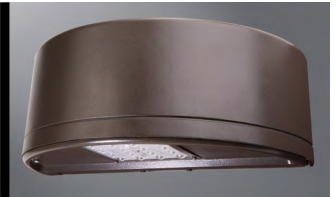
Gasketed and zinc plated rigid steel mounting attachment fits directly to 4" j-box or wall with the Impact Elite "Hook-N-Lock" mechanism for quick installation. Secured with two captive corrosion resistant black oxide coated allen head set screws concealed but accessible from bottom of fixture.

Finish

Cast components finished in a five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

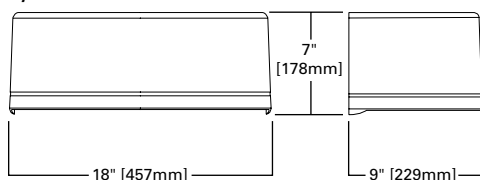
Warranty

Five-year warranty.

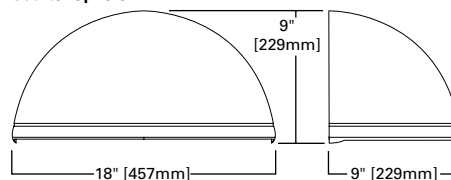


DIMENSIONS

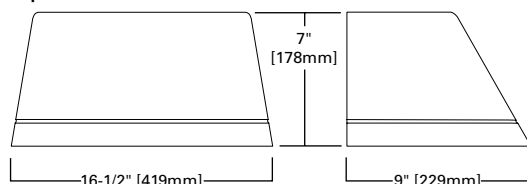
Cylinder



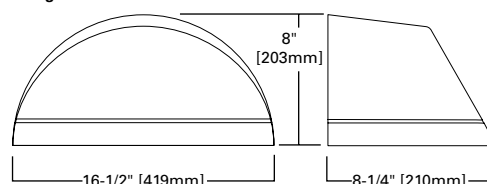
Quarter Sphere



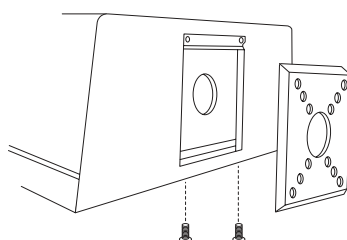
Trapezoid



Wedge



HOOK-N-LOCK MOUNTING



ISC/ISS/IST/ISW IMPACT ELITE LED

1 LightSquare
Solid State LED

WALL MOUNT LUMINAIRE

CERTIFICATION DATA

UL/cUL Listed
LM79 / LM80 Compliant
IP66 LightSquare
DesignLights Consortium® Qualified*
ISO 9001

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60Hz, 347V/60Hz,
480V/60Hz
-40°C Minimum Temperature
40°C Ambient Temperature Rating

SHIPPING DATA

Approximate Net Weight:
18 lbs. (8 kgs.)



*www.designlights.org



TD514030EN
October 19, 2020 11:52 AM



Color: Bronze

Weight: 32.0 lbs

Project:

Type:

Prepared By:

Date:

Technical Specifications

Compliance

UL Listed:

Suitable for wet locations

DLC Listed:

This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. DLC Product Code: PFE8RHXX

IP Rating:

Ingress protection rating of IP66 for dust and water

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

Performance

Lifespan:

100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

Wattage Equivalency:

Equivalent to 350W Metal Halide

Construction

IES Classification:

The Type IV distribution (also known as a Forward Throw) is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semicircular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

Maximum Ambient Temperature:

Suitable for use in up to 40°C (104°F)

Cold Weather Starting:

The minimum starting temperature is -40°C (-40°F)

Thermal Management:

Superior thermal management with external "Air-Flow" fins

Lens:

Tempered glass lens

Housing:

Die-cast aluminum housing, lens frame and mounting arm

Reflector:

Specular vacuum-metallized polycarbonate

Gaskets:

High-temperature silicone gaskets

EPA:

- 1 Fixture: 0.75
- 2 Fixtures at 90°: 1.2
- 2 Fixtures at 180°: 2.4
- 3 Fixtures at 90°: 2.4
- 4 Fixtures at 90°: 1.8

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

LED Characteristics

LEDs:

Multi-chip, high-output, long-life LEDs

Color Stability:

LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

Color Uniformity:

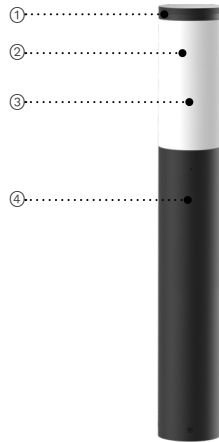
RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

PROJECT NAME:

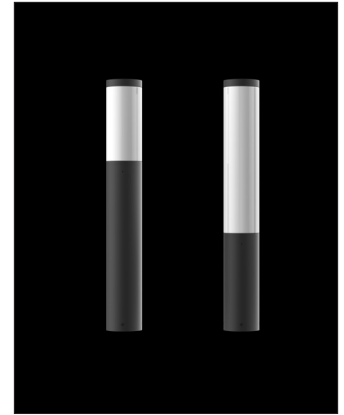
QUANTITY:

TYPE: **SB**

ORDERING CODE:



- ① Heavy cast aluminum top cover with embedded heat sink.
- ② Ø 6" (152mm) High impact white translucent acrylic UV stabilized.
- ③ LED array.
- ④ Ø 6" (152mm) extruded aluminum base.



CL613/CL623

MATERIALS

Lumistik bollard is made of corrosion resistant 356 aluminum alloy with a copper (CU) content of less than 0.1%. LED is contained in a white UV stabilized high impact acrylic sealed cylinder. The assembly is designed to provide a uniform column illumination.

ELECTRICAL DRIVER

Driver is 0-10V dimming-ready (dims to 10%) with: 120-277 multi-volt compatibility (50-60Hz), operating temperature range of -40°C to +55°C/-40°F to +131°F, output over voltage protection, output over current protection and output short circuit protection with auto-recovery. Driver for RGBW is DMX512 / RDM compatible.

LED LIGHT ENGINE

Offered in 2700K/3000K/3500K/4000K CCT with 80 CRI. Optional RGBW. 60,000hrs L70B50 (based on IESNA TM-21 Test Method and LM-80 data).

FINISH

Five-stage preparation process includes preheating of cast aluminum parts for air extraction. Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

CERTIFICATION

UL Certified to Canadian and U.S. safety standards. Certified for use in wet locations. Rated IP65. Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C. Actual performance may differ as a result of end-user environment and application.

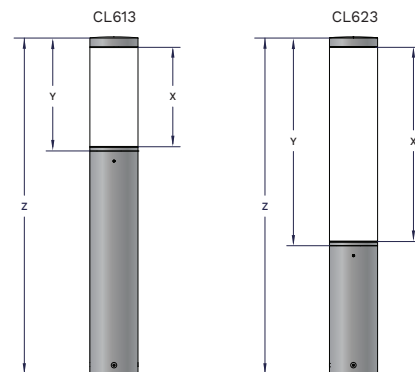
WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: <https://www.acuitybrands.com/support/warranty/terms-and-conditions>

MOUNTING

Mounts with a set of 4 x 1/2"-13 x 18" lg. galvanized anchor bolts. See mounting details for specific information.

MEASUREMENTS



Model	X	Y	(OAH) Z
CL613	12.3" (313mm)	14.2" (362mm)	42" (1067mm)
CL623	24.3" (618mm)	26.2" (667mm)	42" (1067mm)
CL613 RGBW	13.4" (340mm)	15.3" (389mm)	43.1" (1096mm)
CL623 RGBW	25.4" (645mm)	27.3" (694mm)	43.1" (1096mm)



Karpinski
ENGINEERING

3135 Euclid Ave.
Cleveland, OH 44115
216-391-3700 | karpinskieng.com

CONSULTANTS

PROJECT NAME

New Fire Station

CLIENT NAME

City of Rocky River

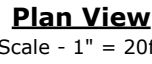
REV. NO.	DESCRIPTION	DATE
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PROJECT NO: 24-114
DRAWN BY: ATR
APPROVED BY: JTG
DATE: Yr Mon Day

ELECTRICAL SITE PLAN

SHEET NUMBER

ES101



Schedule									
Symbol	Label	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power
	SLW	12	COOPER LIGHTING SOLUTIONS - MCGRAW-EDISON (FORMERLY EATON)	ISW-SA10-740-U-T2	IMPACT ELITE LED WEDGE LUMINAIRE (1) 70 CRI, 4000K, 450mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS	16	217.2027	1	25.4
	SLP1	5	RAB LIGHTING INC.	ALED4T125/480 - RWLED4T125/480 - RWLED4T125SF/480 - RWLED4T125/480 (TYPE IV)	CAST FINED METAL HOUSING, 6 CIRCUIT BOARDS EACH WITH 1 LED, MOLDED 2-PIECE PLASTIC REFLECTOR WITH SPECULAR FINISH AND 1 APERTURE PER LED, CLEAR FLAT GLASS LENS IN CAST BROWN PAINTED METAL LENS FRAME.	6	2740	1	135.9
	SLP2	4	RAB LIGHTING INC.	ALED4T125 / 480 - RWLED4T125/480 - RWLED4T125SF/480 - RWLED4T125/480 (TYPE IV)	CAST FINED METAL HOUSING, 6 CIRCUIT BOARDS EACH WITH 1 LED, MOLDED 2-PIECE PLASTIC REFLECTOR WITH SPECULAR FINISH AND 1 APERTURE PER LED, CLEAR FLAT GLASS LENS IN CAST BROWN PAINTED METAL LENS FRAME.	6	2740	1	271.8
	SB	3	LUMINIS	CL613-L4L20-40K	LumiSTIK 6in	1	2206	1	21.7