Building Envelope Requirements ECNYS Table C402.1.3 Energy Conservation Code of New York State Climate Zone 5 (Rockland) Glazed Fenestration U-Factors: Table C402.4 U-0.38 Fixed Fenestration: Operable Fenestration: Entrance Doors:

U-0.45 U-0.77 SHGC: U-0.38 Insulation Requirements: Table C402.1.3 R30ci Insulation entirely above roof deck:

Metal Building: R19 + R11 LS R38 Attic and other: Walls (Above Grade) R11.4ci R13 + R13ci Metal Building: R13 + R7.5ci Metal Framed:

Floors R10ci R30 Joist/Framing: Slab on Grade Floors

Unheated Slabs: R10 for 24" below **Opaque Doors** (Doors having less than 50% glass area)

Table C402.5.2 Maximum Air Leakage Rate for Fenestration Assemblies Windows: 0.20 CFM/FT2 0.20 CFM/FT2 Swinging Doors: 0.60 CFM/FT2 Storefront Glazing: Commercial Glazed Swinging Entrance Doors: 1.00 CFM/FT2

Building Code of New York State 2020

CHAPTER 7 FIRE-RESISTANCE-RATED CONSTRUCTION

BC Table 705.8 (Maximum Area of Exterior Wall Openings): In buildings equipped with automatic sprinkler system, maximum allowable areas of unprotected openings shall be the same as the tabulated limitations for protected openings. Unlimited unprotected openings are permitted in the exterior walls of the first floor above grade facing a street that have a fire separation distance of greater than 15'-0" or facing unoccupied space. Unlimited unprotected openings provided in exterior walls of 1st story above grade.

FIRE SEPARATION DISTANCE (FEET) PERCENTAGE OF UNPROTECTED OPENING Not Permitted 3 TO 5 Not Permitted 5 TO 10 10 TO 15 15% 15 TO 20 25% 20 TO 25 45% 25 TO 30 70% **GREATER THAN 30** No Limit- Provided

BC SECTION 704.10 (Vertical Exposure): Opening protectives having a fire-protection rating of not less than 3/4 hour shall be provided in every opening that is less than 15'-0" vertically above the roof of an adjoining building or adjacent structure that is within a horizontal fire separation distance of 15'-0" of the wall in which the opening is located. EXCEPTION: Opening protectives are not required where the roof construction has a fire resistance rating of not less than 1 hour for a minimum distance of 10'-0" from the adjoining buildings and the entire length

BC SECTION 715.4.5 (Labeled Protective Assemblies): Fire door assemblies shall be labeled by an approved agency.

BC SECTION 715.4.6 (Glazing Materials):

of not less than 1 hour.

Fire-protection-rated glazing in fire doors located in fire walls shall be prohibited except that where serving as a horizontal exit, a self-closing swinging door shall be permitted to have a vision panel of not more than 100 SQ.IN. without a dimension exceeding 10 in. Fire-protection-rated glazing shall not be installed in fire doors having a 90 minute fire protection rating intended for installation in fire barriers, unless the glazing is not more than 100 SQ. IN.

and span of the supporting elements for the fire-resistance rated roof assembly has a fire-resistance rating

BC SECTION 715.4.7 (Door Closing): Fire doors shall be self or automatic closing. Automatic closing fire doors provided. (Hold opens tied to fire **CHAPTER 8 INTERIOR FINISHES**

SED S203-2 (Limitations of Use of Interior Finishes)

(S203-2A) Class A interior finishes shall be used in corridors and exits (exit enclosures, exit passageways, exterior exit stairs, exterior ramps and horizontal exits.) Class B is acceptable if these spaces have an approved NFPA sprinkler system. (S203-2B) Interior finishes in school construction shall be Class A, B OR C per the code with the following

1. Class C interior finishes shall not be used in school construction of more than three stories. 2. Class A or B interior finishes shall be used in the following locations: places of assembly and stages, except wainscots not over 8 feet above floor be may be Class C. Class C is acceptable if the space has an approved NFPA sprinkler system.

BC SECTION 803 (Wall and Ceiling Finishes):

CLASS II 0.22 WATTS/CM2 OR GREATER

walking surface.

CLASS B: Flame spread 26-75 Smoke-developed 0-450

CLASS C: Flame spread 76-200 Smoke-developed 0-450

Interior wall and ceiling finishes shall be classified in accordance with ASTM E84. Such interior finish materials shall be grouped in the following classes in accordance with their flame spread and smokedeveloped indexes: CLASS A: Flame spread 0-25 Smoke-developed 0-450

BC SECTION 804 (Interior Floor Finish): Interior floor finish and floor covering materials to be of class I or II materials shall be classified in accordance with NFPA 253. The classification referred to herein corresponds to the classifications determined by NFPA 253 as follows: CLASS I 0.45 WATTS/CM2 OR GREATER

BC SECTION 808 (Acoustical Ceiling Systems): Suspended acoustical ceiling systems shall be installed in accordance with the provisions of ASTM C635 CHAPTER 10 MEANS OF EGRESS

BC SECTION 1003.2 (Ceiling Height): The means of egress shall have a ceiling height of not less than 7'-6". Exceptions: stair headroom in accordance with section 1009.2.

BC SECTION 1003.3 (Protruding Objects): Protruding objects are permitted to extend below the minimum ceiling height required provided minimum headroom of 6'-8" shall be provided for any walking surface, including corridors. Not more than 50% of the ceiling area of a means of egress shall be reduced in height by protruding objects. (1003.3.3) Horizontal projections: structural elements, fixtures or furnishings shall not project horizontally from either side more than 4" over any walking surface between the heights of 2'-3" - 6'-8" above the

BC SECTION 1003.6 (Means of Egress Continuity): The path of egress travel along a means of egress shall not be interrupted by any building element other than a means of egress component. Obstructions shall not be placed in the required width of a means of egress except permitted projections. The required capacity of a means of egress system shall not be

BC SECTION 1004.3 (Posting of Occupant Load): Every room or space that is an assembly occupancy shall have the occupant load of the room or space

posted in a conspicuous place, near the main exit or exit access doorway.

BC SECTION 1005.2 (Door Encroachment): Doors opening into the path of egress travel shall not reduce the required width to less than one-half during the course of the swing. When fully open, the door shall not project more than 7" into the required width.

SED S106-2A (Egress from Space of Pupil Occupancy): All doors to corridors from spaces of pupil occupancy shall swing into the room unless fully recessed.

BC SECTION 1006.1 (Means of Egress Illumination- Required): The means of egress, including the exit discharge, shall be illuminated at all times the building spaces served by the means of egress is occupied.

SED S106-1A (Egress): There shall be at least two means of egress remote from each other leading from each floor of pupil occupancy. When a pupil enters into a corridor from a room of pupil occupancy, There shall be a choice of two unobstructed means of egress in different directions leading to different exits. 2 means of egress required per floor.

SED S106-2B (Egress from space of Pupil Occupancy): Every space of pupil occupancy over 500 square feet in area, shall have two means of egress from the space, each into a separate smoke zone. The primary means of egress is commonly the opening of the corridor. The second means of egress may be a door into a separate smoke zone or to the exterior or a rescue window.

BC SECTION 1007.1 (Accessible Means of Egress Required): Where more than one means of egress is required from any accessible space, each accessible portion of the space shall be served by not less than two accessible means of egress. 2 accessible means of egress required per floor.

BC SECTION 1007.2 (Continuity and Components): Each required accessible means of egress shall be continuous to a public way and shall consist of one or more of the following components:

Accessible route: provided. Stairways with vertical exit enclosures; provided. Elevators; provided.

diminished along the path of egress travel.

CHAPTER 24 GLASS AND GLAZING

BC SECTION 2406.2 (Impact Test): Where required by other sections of this code, glazing shall be tested in accordance with CPSC 16 CFR

Part 1202. Glazing shall comply with the test criteria for Category II, unless otherwise indicated in Table

BC SECTION 2406.3 (Identification of Safety Glazing): Except as indicated in Section 2406.3.1, each pane of safety glazing installed in hazardous locations shall be identified by a manufacturer's designation specifying who applied the designation, the manufacturer or installer and the safety glazing standard with which it complies, as well as the information specified in Section 2403.1. The designation shall be acid etched, sand blasted, ceramic fired, laser etches, embossed or of a type that once applied cannot be removed without being destroyed. A label meeting the requirements of this section shall be permitted in lieu of the manufacturer's designation.

BC SECTION 2406.4.6 (Glazing Adjacent to Stairways and Ramps): Glazing where the bottom exposed edge of the glazing is less than 60 inches above the plane of the adjacent walking surface of stairways, landings between flights of stairs and ramps shall be considered a hazardous location.

S104 EXITS S104-1 General c. During construction of building additions (and alterations), the required exits in the existing building must be kept clear and maintained with Code required fire rated enclosures.

155.3.(c) Accident Protection. (1) Glazing of panels and doors shall be with safety glazing materials as follows, unless glazed areas are (i) interior exit doors, exterior exit doors and immediately adjacent sidelights except where glazing is 48

inches or more above the floor; (ii) all glazed panels where glazing is within 18-inches of the floor, or platform level of music room type (iii) gymnasiums and playrooms and elsewhere where subject to physical abuse; (iv) acceptable safety glazing materials shall be at least one-quarter inch thick wire glass, one-quarter inch tempered (heat treated) glass, one-quarter inch laminated safety glass, or approved plastic materials.

(2) Glazed doors and sidelights within 6 feet of such doors shall be marked by appropriate means in accord with the provisions of Part 47 of Title 12 of the Official Compilation of Codes, Rules and Regulations of the State of New York, except marking on door and/or sidelight is not required: (i) where less than 80% of the area of the door or sidelight above a reference line 18 inches above the floor (ii) where width of sidelight is not more than 20 inches, with 1 3/4-inch minimum opaque stiles; (iii) where floor treatment a distance of 3 feet out from a sidelight will deter approach; (iv) where sidelights are supported on 18-inch minimum height opaque sill and wall construction; (v) where sidelights are protected by approved 18-inch minimum height permanent barriers such as

benches, planters, or guardrails, extending across at least two-thirds of the sidelight.

ARCHITECT

KSQ Design 215 W 40th Street 15th Floor New York, NY 10018 646.435.0660 office www.ksq.design

NEW YORK OKLAHOMA

Owner Nanuet Union Free School District 101 Church Street Nanuet, NY 10954

845.627.9880 www.nanuetsd.org Structural Engineer

Clapper Structural Engineering 160 Partition Street Saugerties, NY 12477 845.943.9601 www.clapperstructural.com

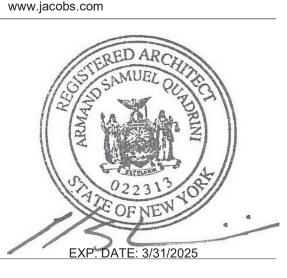
MEP Engineer

Sage Engineering Associates, LLP 9 Columbia Circle Albany NY 12203 518.453.6091 www.sagellp.com

Environmental Engineer

Quest Environmental Solutions 1376 Route 9 Wappingers Falls, NY 12590 845.298.6251 www.qualityenv.com

Construction Manager One Penn Plaza 24th Floor, Suite 2400 New York, NY 10119 646.908.6550





NUFSD BOND PHASE 5 PROJECT -BARR MS

☐ SED#50-01-08-03-0-002-020 (HIGHVIEW ES) ☐ SED#50-01-08-03-7-007-002 (Maintenance) ☐ SED#50-01-08-03-7-012-004 (OEC) ☐ SED#50-01-08-03-0-001-026 (MILLER ES) ■ SED#50-01-08-03-0-004-022 (BARR MS)

> Highview Elementary School 24 Highview Ave Nanuet, NY 10954 OEC Building 135 Convent Rd Nanuet, NY 10954

<u>Maintenance Building</u> 103 Church St. Nanuet, NY 10954 <u> Miller Elementary School</u>

50 Blauvelt Rd Unit1 Nanuet, NY 10954

A MacArthur Barr Middle School 143 Church St Nanuet, NY 10954

REVISIONS

ISSUED: BID SET **DATE:** 06/21/2024

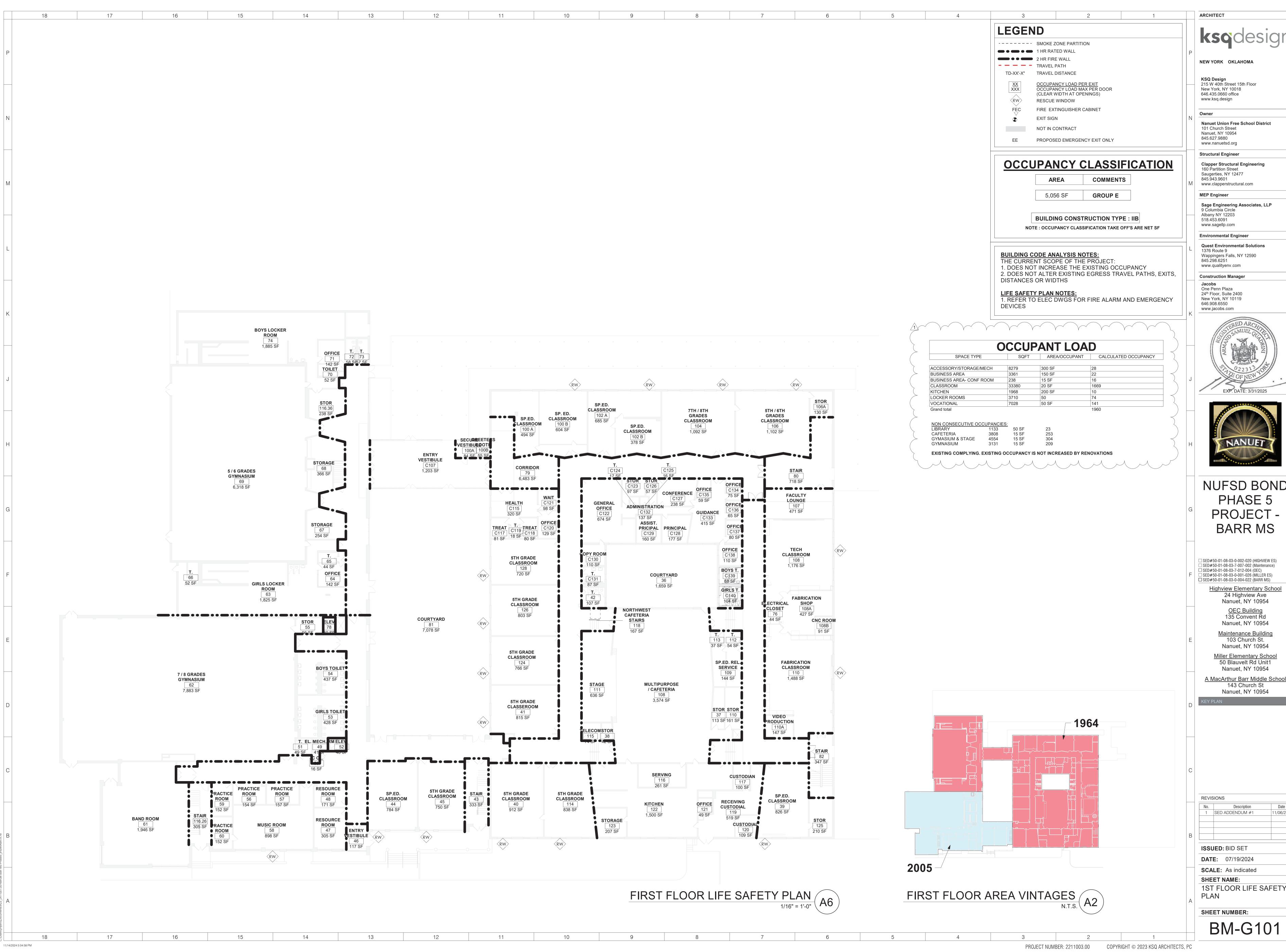
SCALE: NTS SHEET NAME: CODE COMPLIANCE

SHEET NUMBER BM-G021

AERIAL SITE VIEW

6/20/2024 8:55:47 PM

PROJECT NUMBER: 2211003.00 COPYRIGHT © 2023 KSQ ARCHITECTS, PC



NEW YORK OKLAHOMA

KSQ Design 215 W 40th Street 15th Floor New York, NY 10018 646.435.0660 office

Nanuet Union Free School District

101 Church Street Nanuet, NY 10954 845.627.9880

Structural Engineer Clapper Structural Engineering 160 Partition Street

www.clapperstructural.com

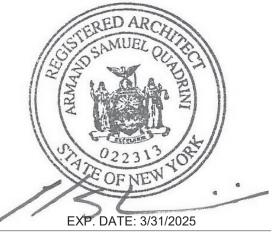
Sage Engineering Associates, LLP 9 Columbia Circle

Environmental Engineer **Quest Environmental Solutions**

1376 Route 9 Wappingers Falls, NY 12590 845.298.6251 www.qualityenv.com

Construction Manager

One Penn Plaza 24th Floor, Suite 2400 New York, NY 10119 646.908.6550 www.jacobs.com





NUFSD BOND PHASE 5 PROJECT -BARR MS

 \square SED#50-01-08-03-0-002-020 (HIGHVIEW ES) \square SED#50-01-08-03-7-007-002 (Maintenance) ☐ SED#50-01-08-03-7-012-004 (OEC)
☐ SED#50-01-08-03-0-001-026 (MILLER ES)

☐ SED#50-01-08-03-0-004-022 (BARR MS) Highview Elementary Schoo 24 Highview Ave

> 135 Convent Rd Nanuet, NY 10954 Maintenance Building 103 Church St.

Nanuet, NY 10954 Miller Elementary School 50 Blauvelt Rd Unit1 Nanuet, NY 10954

143 Church St Nanuet, NY 10954

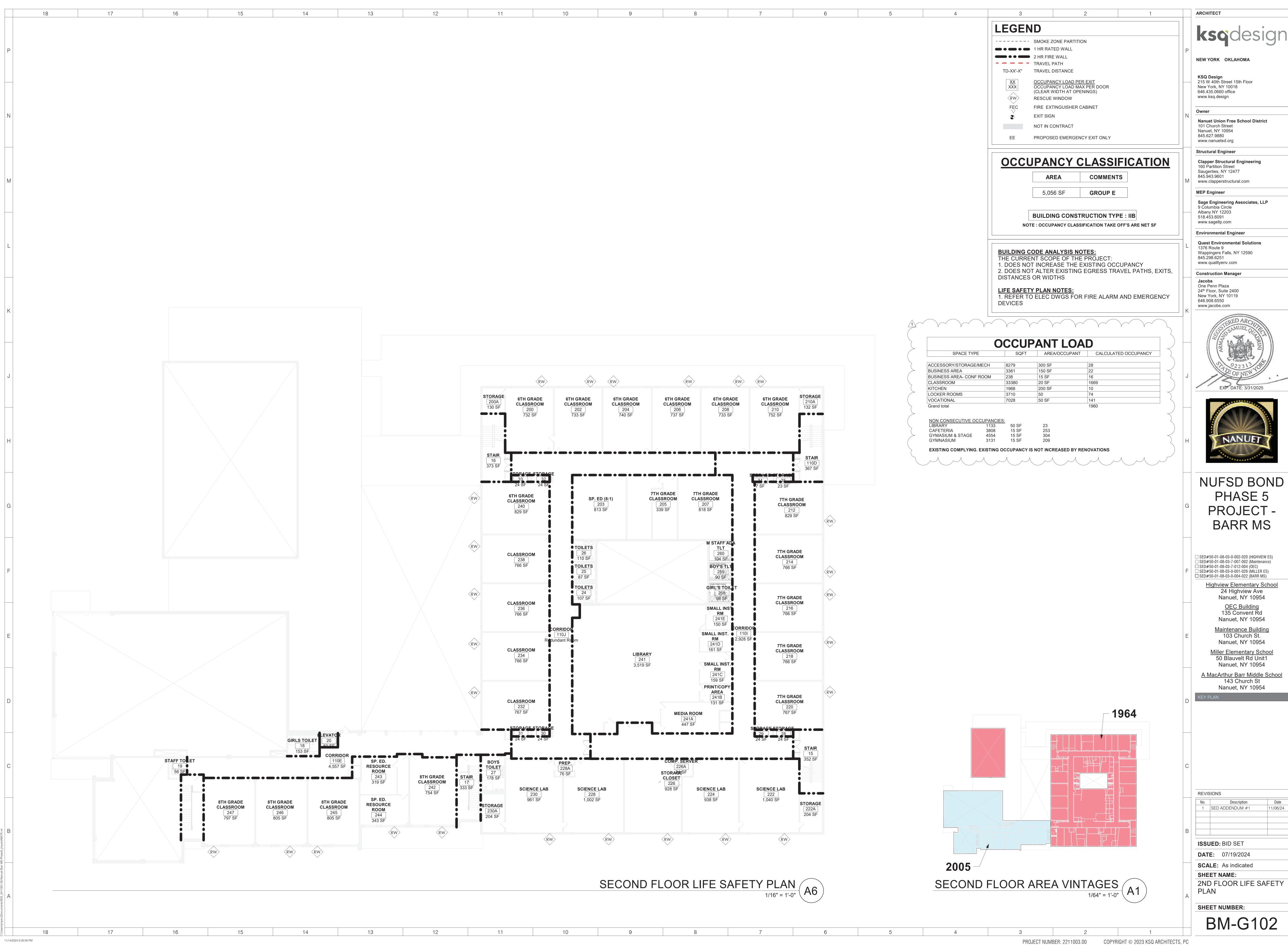
	REVISIONS				
	No.	Description	Date		
	1	SED ADDENDUM #1	11/06/24		
3					
>					

ISSUED: BID SET

DATE: 07/19/2024 **SCALE:** As indicated

SHEET NAME: 1ST FLOOR LIFE SAFETY

SHEET NUMBER: BM-G101





PROJECT -

	REVI	SIONS	
	No.	Description	Date
	1	SED ADDENDUM #1	11/06/24
,			
3			
	ISSI	JED: BID SET	

REFERENCE PHOTO NOTES

 ALL PHOTOGRAPHS ARE SHOWN FOR REFERENCE ONLY.
 VERIFY IN FIELD ALL EXISTING CONDITIONS. 3. REFER TO DEMOLITION DRAWINGS OF ALL TRADES AND ASBESTOS DRAWINGS AND SPECIFICATIONS FOR REMOVALS.

DEMO PLAN KEYNOTES

D1 DEMOLISH EXISTING CANOPY AND POST D2 TEMPORATILY SHORE COLUMNS AND DEMOLISH EXISTING DETERIORATED PORTION OF COLUMN - SEE DETAIL C1/BM-AD101

RD REMOVE EXISTING CANOPY CEILING AND LIGHTING FIXTURES

DEMO RCP KEYNOTES

Clapper Structural Engineering 160 Partition Street Saugerties, NY 12477

Structural Engineer

101 Church Street Nanuet, NY 10954 845.627.9880 www.nanuetsd.org

ARCHITECT

NEW YORK OKLAHOMA

KSQ Design 215 W 40th Street 15th Floor

Nanuet Union Free School District

New York, NY 10018 646.435.0660 office www.ksq.design

Owner

845.943.9601

www.clapperstructural.com

MEP Engineer

Sage Engineering Associates, LLP 9 Columbia Circle Albany NY 12203 518.453.6091

www.sagellp.com

Environmental Engineer Quest Environmental Solutions

1376 Route 9 Wappingers Falls, NY 12590 845.298.6251

www.qualityenv.com Construction Manager

One Penn Plaza 24th Floor, Suite 2400 New York, NY 10119 646.908.6550





NUFSD BOND PHASE 5 PROJECT -BARR MS

☐ SED#50-01-08-03-0-002-020 (HIGHVIEW ES)
☐ SED#50-01-08-03-7-007-002 (Maintenance)
☐ SED#50-01-08-03-7-012-004 (OEC)
☐ SED#50-01-08-03-0-001-026 (MILLER ES)
■ SED#50-01-08-03-0-004-022 (BARR MS)

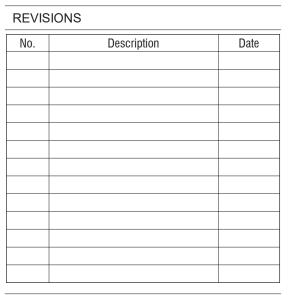
Highview Elementary School 24 Highview Ave Nanuet, NY 10954

> OEC Building 135 Convent Rd Nanuet, NY 10954 Maintenance Building 103 Church St.

Nanuet, NY 10954 Miller Elementary School 50 Blauvelt Rd Unit1

A MacArthur Barr Middle School 143 Church St Nanuet, NY 10954

Nanuet, NY 10954



ISSUED: BID SET **DATE:** 06/21/2024

SCALE: 12" = 1'-0" SHEET NAME: EXISTING CONDITION REFERENCE PHOTOS

SHEET NUMBER: BM-AD000

- EXIST. CANOPY TO REMIAN REMOVE EXIST.ROOF DRAIN &PIPING









TYPICAL, SEE SHEET BM-AD101 FOR ADDITIONAL LOCATIONS

EXIST. WEST CANOPY ROOF

12" = 1'-0"

A11

EXISITNG CONDITIONS PH 5

12" = 1'-0"

A2

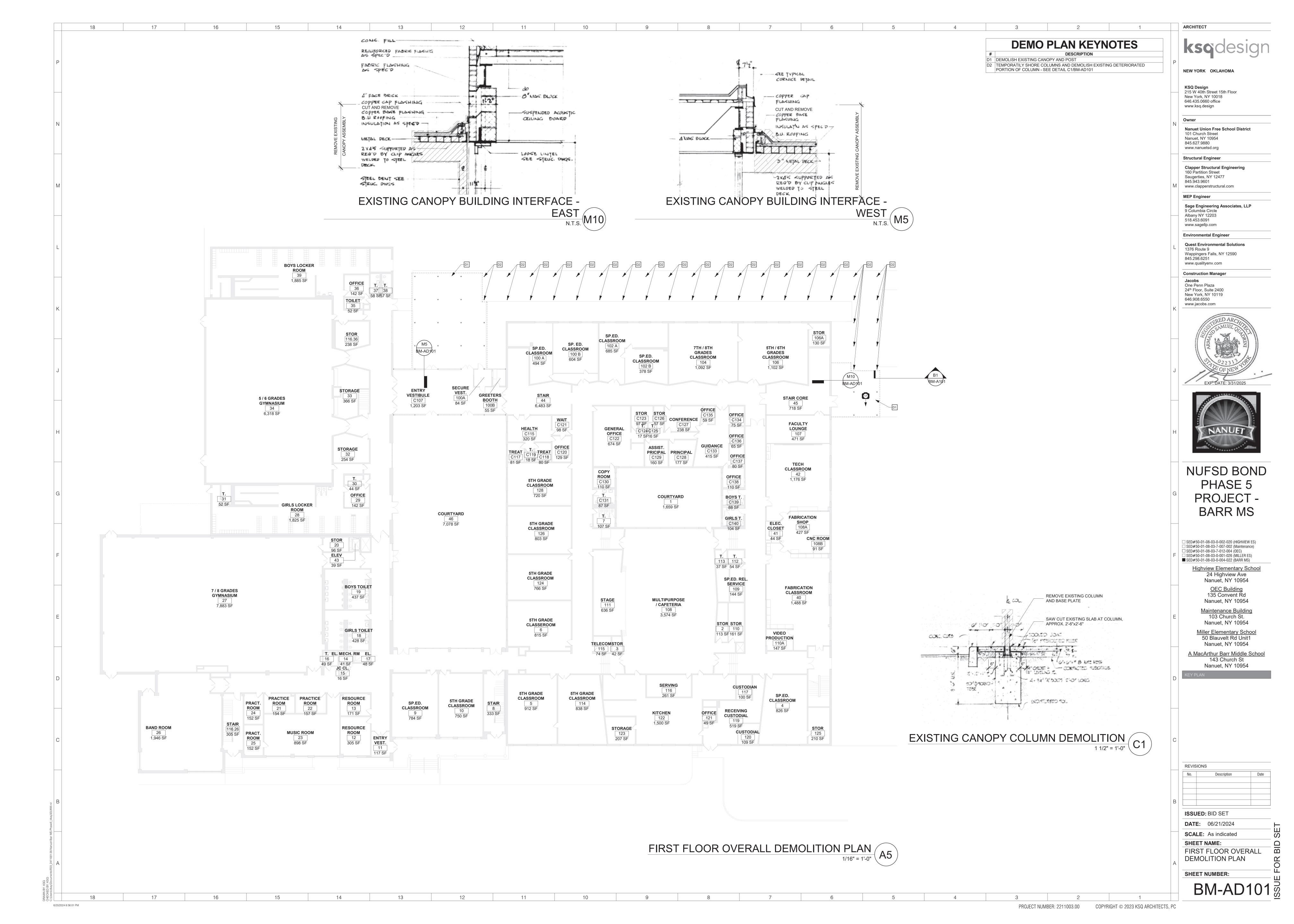
6/20/2024 8:56:01 PM

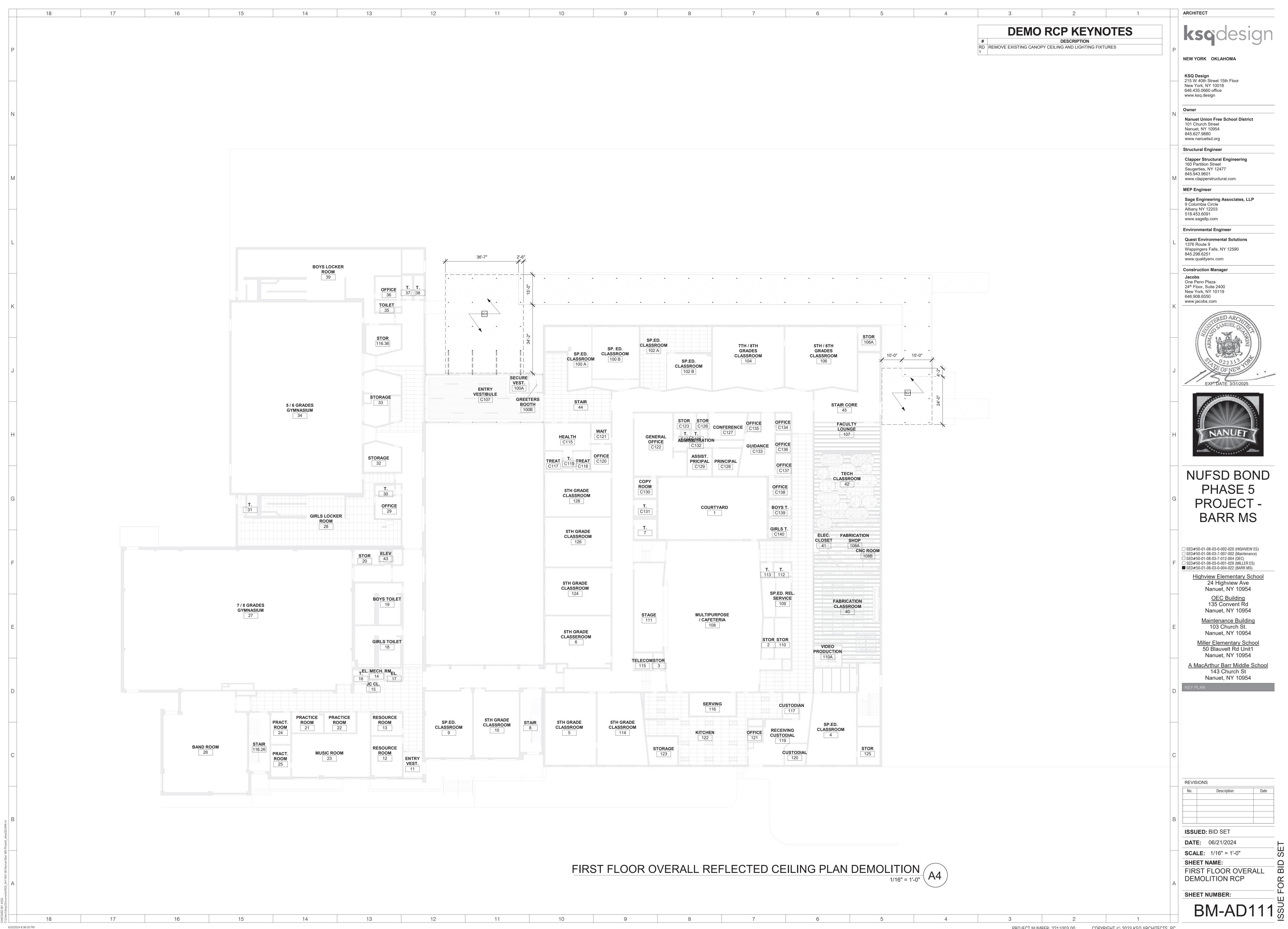
EXIST. ROOF

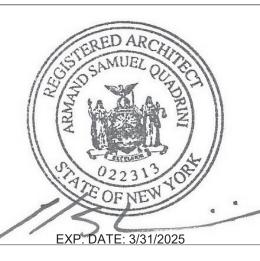
TO REMAIN

TO REMIAN

DRAIN & PIPING -

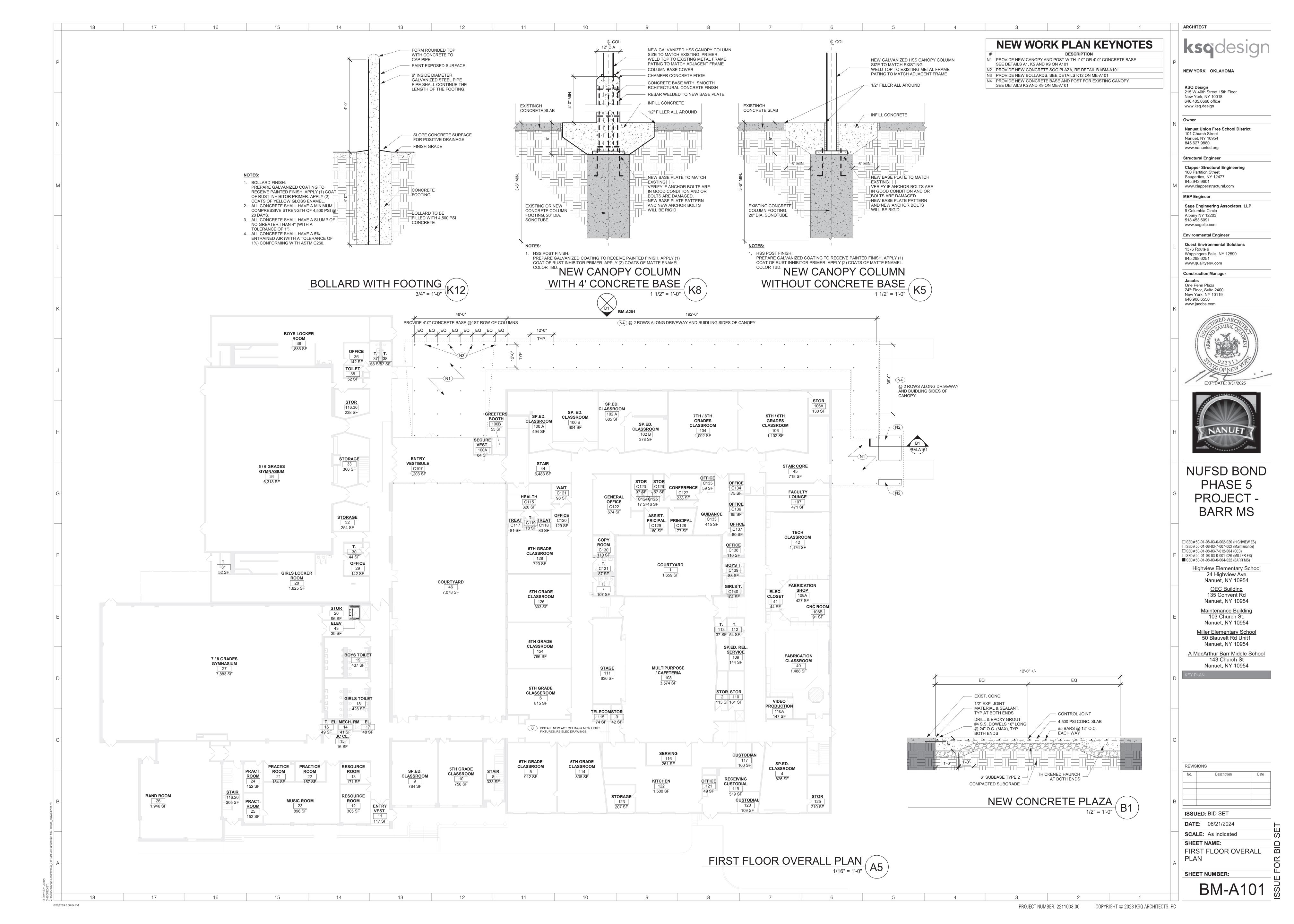








NUFSD BOND PROJECT -



ARCHITECT NEW WORK RCP KEYNOTES # DESCRIPTION
R1 PROVIDE NEW CANOPY CEILING AND LIGHTING FIXTUERS NEW YORK OKLAHOMA KSQ Design 215 W 40th Street 15th Floor New York, NY 10018 646.435.0660 office www.ksq.design Nanuet Union Free School District 101 Church Street Nanuet, NY 10954 845.627.9880 www.nanuetsd.org Structural Engineer Clapper Structural Engineering 160 Partition Street Saugerties, NY 12477 845.943.9601 www.clapperstructural.com MEP Engineer Sage Engineering Associates, LLP 9 Columbia Circle Albany NY 12203 518.453.6091 www.sagellp.com **Environmental Engineer Quest Environmental Solutions** 1376 Route 9 Wappingers Falls, NY 12590 845.298.6251 www.qualityenv.com Construction Manager One Penn Plaza 24th Floor, Suite 2400 New York, NY 10119 646.908.6550 www.jacobs.com

NUFSD BOND PHASE 5 PROJECT -BARR MS

☐ SED#50-01-08-03-0-002-020 (HIGHVIEW ES)
☐ SED#50-01-08-03-7-007-002 (Maintenance)
☐ SED#50-01-08-03-7-012-004 (OEC)
☐ SED#50-01-08-03-0-001-026 (MILLER ES)
■ SED#50-01-08-03-0-004-022 (BARR MS)

Highview Elementary School 24 Highview Ave Nanuet, NY 10954 135 Convent Rd Nanuet, NY 10954

Maintenance Building 103 Church St. Nanuet, NY 10954 Miller Elementary School 50 Blauvelt Rd Unit1

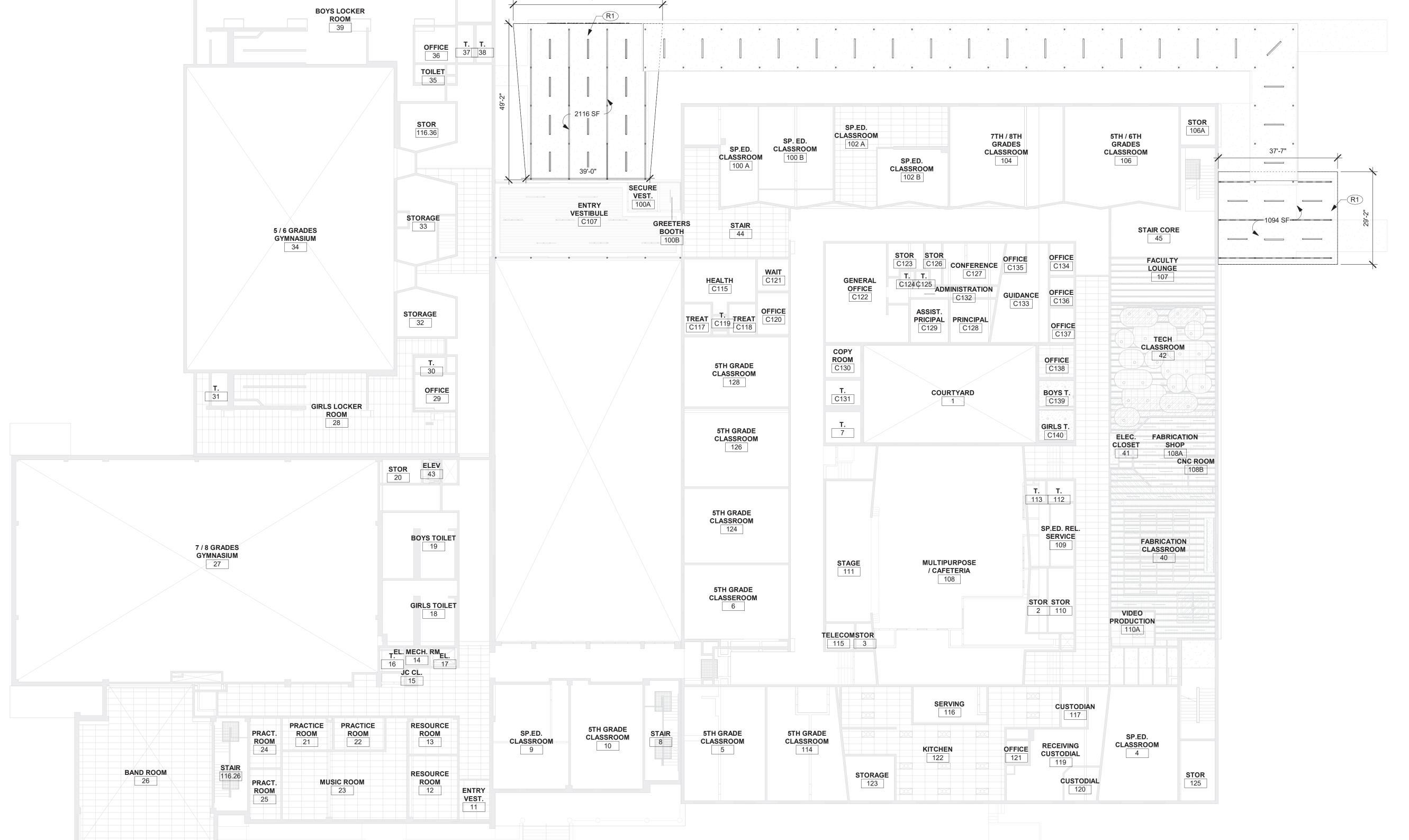
Nanuet, NY 10954 A MacArthur Barr Middle School 143 Church St Nanuet, NY 10954

REVISIONS **ISSUED:** BID SET

DATE: 06/21/2024

SCALE: 1/16" = 1'-0" SHEET NAME: FIRST FLOOR OVERALL RCP

SHEET NUMBER:

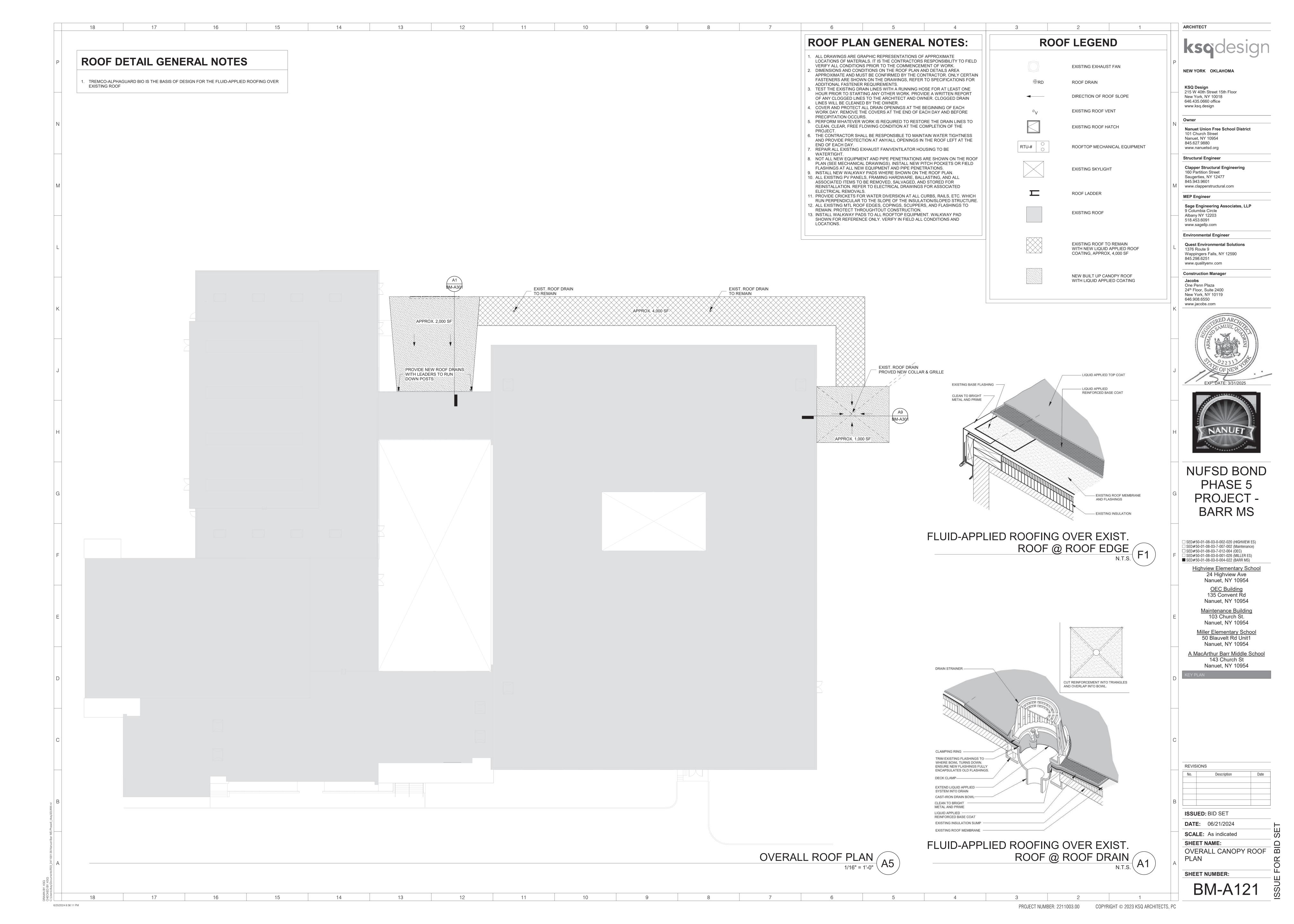


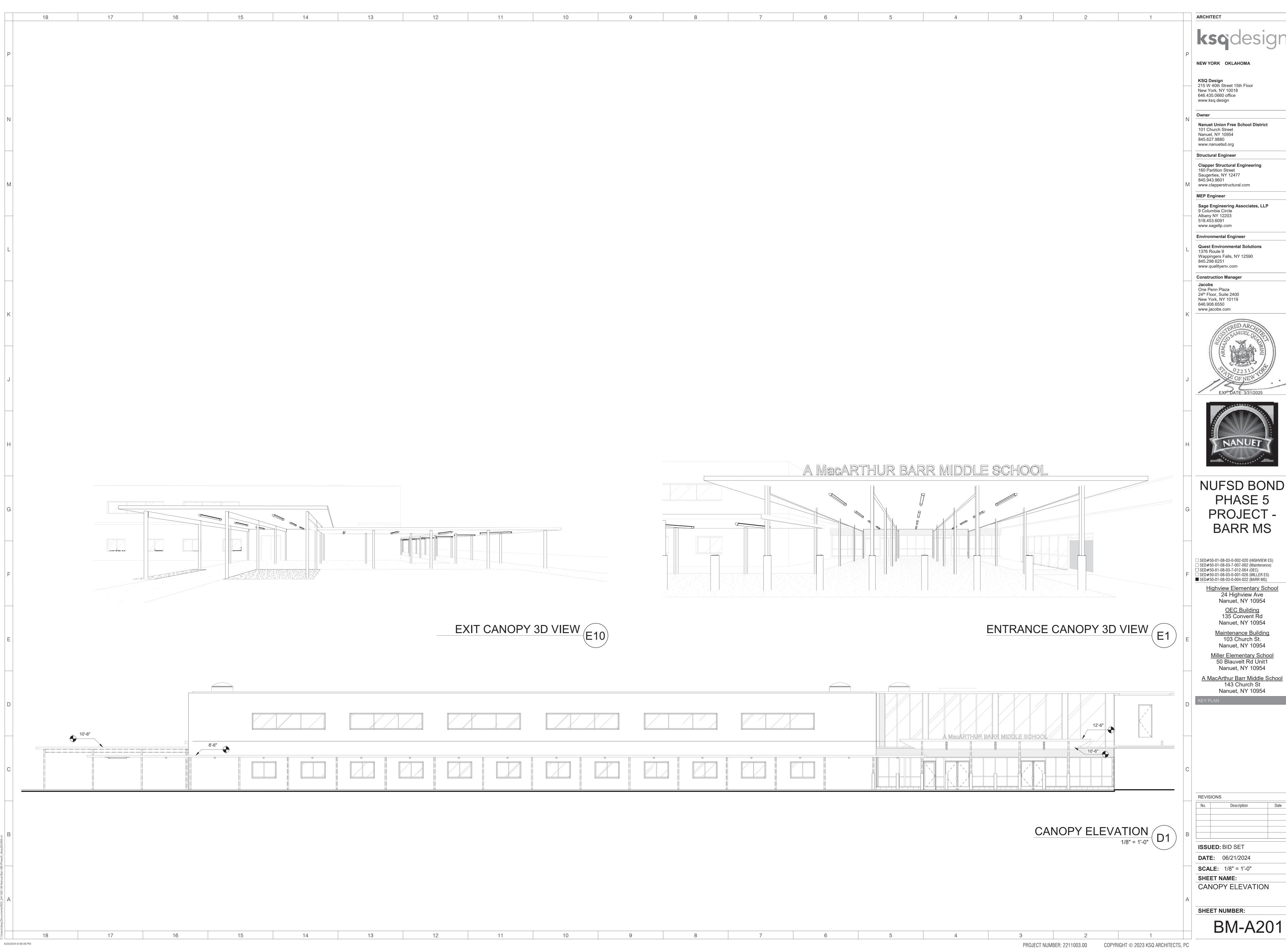
6/20/2024 8:56:05 PM

FIRST FLOOR OVERALL REFLECTED CEILING PLAN

1/16" = 1'-0"

A4









NUFSD BOND

EXISTING FASCIA NEW LIQUID APPLIED MASONRY NEW LIQUID APPLIED MASONRY FLASHING FLASHING WITH PRIMER BASE WITH PRIMER BASE NEW METAL SIGNAGE LETTERS NEW EXPANSION JOINT ASSEMBLY **EXPANSION JOINT NEW DRAIN** NEW STUB-OUT SIGNAGE MOUNT ASSEMBLY NEW METAL FLASHING COVER -METAL COVER -NEW PRESSURE TREATED BLOCKING & CANT NEW LIQUID APPLIED FLASHING -NEW LIQUID APPLIED FLASHING NEW PRESSURE TREATED BLOCKING -NEW COVER BOARD -- COVER BOARD & CANT INEW TAPERED NSULATION -**NEW INSULATION** NEW DRAIN ASSEMBLY NEW METAL FASCIA -NEW METAL DECK, RE STRUCT. DWGS NEW METAL DECK, RE STRUCT. DWGS NEW METAL PANEL CEILING -- NEW METAL PANEL CEILING **NEW RAFTERS** RE STRUCT. DWGS — NEW METAL FASCIA **NEW RAFTERS** RE STRUCT. DWGS -NEW BEAM _ RE STRUCT. DWGS NEW BEAM RE STRUCT. DWGS NEW POST RE STRUCT. DWGS NEW DRAIN LEADER NEW POST RE STRUCT. DWGS EAST CANOPY SECTION DETAIL
1 1/2" = 1'-0"

A9 SLOPED WEST CANOPY SECTION DETAIL

1 1/2" = 1'-0"

A1 PROJECT NUMBER: 2211003.00 COPYRIGHT © 2023 KSQ ARCHITECTS, PC 6/20/2024 8:56:11 PM

NEW YORK OKLAHOMA

ARCHITECT

KSQ Design 215 W 40th Street 15th Floor New York, NY 10018 646.435.0660 office

www.ksq.design Owner

Nanuet Union Free School District 101 Church Street Nanuet, NY 10954 845.627.9880 www.nanuetsd.org

Structural Engineer Clapper Structural Engineering 160 Partition Street Saugerties, NY 12477

www.clapperstructural.com MEP Engineer

845.943.9601

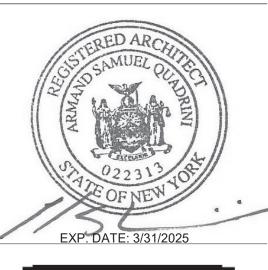
Sage Engineering Associates, LLP 9 Columbia Circle Albany NY 12203 518.453.6091

www.sagellp.com **Environmental Engineer**

Quest Environmental Solutions 1376 Route 9 Wappingers Falls, NY 12590

845.298.6251 www.qualityenv.com **Construction Manager**

One Penn Plaza 24th Floor, Suite 2400 New York, NY 10119 646.908.6550 www.jacobs.com





NUFSD BOND PHASE 5 PROJECT -BARR MS

☐ SED#50-01-08-03-0-002-020 (HIGHVIEW ES)
☐ SED#50-01-08-03-7-007-002 (Maintenance)
☐ SED#50-01-08-03-7-012-004 (OEC)
☐ SED#50-01-08-03-0-001-026 (MILLER ES)
■ SED#50-01-08-03-0-004-022 (BARR MS)

Highview Elementary School 24 Highview Ave Nanuet, NY 10954 OEC Building 135 Convent Rd Nanuet, NY 10954

Maintenance Building 103 Church St. Nanuet, NY 10954

Miller Elementary School 50 Blauvelt Rd Unit1 Nanuet, NY 10954 A MacArthur Barr Middle School 143 Church St

Nanuet, NY 10954

REVISIONS

ISSUED: BID SET **DATE:** 06/21/2024

SCALE: 1 1/2" = 1'-0" SHEET NAME: CANOPY SECTIONS

SHEET NUMBER: BM-A301