Usage: Educational Owner Contact: Rudolph Villanyi Phone: 845-627-9882 Fire District: Nanuet Fire District Fire Extinguishing System: No Type: N/A

Code Standards:

Building Code of New York State (2020) State Department of Education (SED) Manual of Planning Standards (2022)

Building Information: G.W. Miller Elementary School

Existing Building: Year: 1956 (Original), 1962 (Addition 1), 1977 (Addition 2), 1997 (Addition 3) Construction Type: IIB Level 2 Alteration

Occupany: E - Educational Stories: 1 **Existing Building Total Area:** 79,124 SF Fire Areas: See Plans

Room Use Designations: See Plans **Egress Information:** Not Required Per Scope of Project Rescue Windows: Yes-Not Shown Per Scope of Project Fire Resistive Requirements: Table 601BCNYS Corridor Fire Resistance Rating: Per MPS & 2020 BCNYS- 1 HOUR

BUILDING CODE ANALYSIS NOTES:
THE CURRENT SCOPE OF THE PROJECT: 1. DOES NOT INCREASE THE EXISTING OCCUPANCY

LIFE SAFETY PLAN NOTES: 1. REFER TO ELEC DWGS FOR FIRE ALARM AND EMERGENCY DEVICES **Building Envelope Requirements ECNYS Table C402.1.3 Energy Conservation Code of New York State**

Climate Zone 5 (Rockland)

Mass:

Storefront Glazing:

Glazed Fenestration U-Factors: Table C402.4 U-0.38 Fixed Fenestration: U-0.45 Operable Fenestration: U-0.77 **Entrance Doors:** U-0.38 SHGC:

Insulation Requirements: Table C402.1.3

R30ci Insulation entirely above roof deck: R19 + R11 LS Metal Building: Attic and other: Walls (Above Grade)

R13 + R13ci Metal Building: Metal Framed: R13 + R7.5ci **Floors** Mass: R10ci R30 Joist/Framing:

Slab on Grade Floors R10 for 24" below Unheated Slabs:

R11.4ci

0.60 CFM/FT2

1.00 CFM/FT2

Opaque Doors (Doors having less than 50% glass area)

Commercial Glazed Swinging Entrance Doors:

Table C402.5.2 Maximum Air Leakage Rate for Fenestration Assemblies Windows: 0.20 CFM/FT2 0.20 CFM/FT2 Swinging Doors:

AERIAL SITE VIEW

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 <u>PERMITTE</u> Not Permitted 0 TO 3 3 TO 5 Not Permitted 5 TO 10 10% 10 TO 15 15 TO 20 25% 20 TO 25 45% 25 TO 30 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 and span of the supporting elements for the fire-resistance rated roof assembly has a fire-resistance rating of not less than 1 hour.

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): 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.

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

CLASS I

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. (\$203-2B) Interior finishes in school construction shall be Class A, B OR C per the code with the following Class C interior finishes shall not be used in school construction of more than three stories.

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): 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 smoke-

developed indexes: CLASS A: Flame spread 0-25 Smoke-developed 0-450 CLASS B: Flame spread 26-75 Smoke-developed 0-450 CLASS C: Flame spread 76-200 Smoke-developed 0-450

0.45 WATTS/CM2 OR GREATER

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 II 0.22 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 walking surface.

BC SECTION 1003.6 (Means of Egress Continuity):

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):

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):

SED S106-2B (Egress from space of Pupil Occupancy):

BC SECTION 1007.1 (Accessible Means of Egress Required):

required per floor. BC SECTION 1007.2 (Continuity and Components):

more of the following components: Accessible route: provided.

Elevators; provided.

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.

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 diminished along the path of egress travel.

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.

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.

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

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

Each required accessible means of egress shall be continuous to a public way and shall consist of one or

Stairways with vertical exit enclosures; provided.

CHAPTER 24 GLASS AND GLAZING

BC SECTION 2406.2 (Impact Test):

ARCHITECT

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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

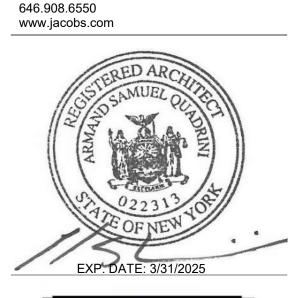
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Construction Manager One Penn Plaza 24th Floor, Suite 2400 New York, NY 10119





PHASE 5 PROJECT -MILLER ES

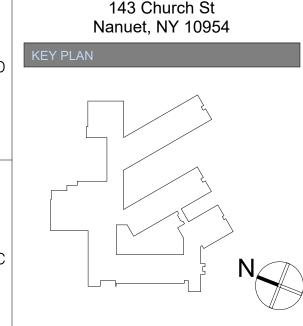
☐ SED#50-01-08-03-0-002-020 (HIGHVIEW ES) ☐ SED#50-01-08-03-7-007-002 (Maintenance) ☐ SED#50-01-08-03-7-012-004 (OEC) ■ SED#50-01-08-03-0-001-026 (MILLER ES) □ SED#50-01-08-03-0-004-022 (BARR MS)

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

50 Blauvelt Rd Unit1 Nanuet, NY 10954 A MacArthur Barr Middle School

Miller Elementary School



REVISIONS **ISSUED:** BID SET

DATE: 06/21/2024 SCALE:

SHEET NAME: CODE COMPLIANCE

SHEET NUMBER

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