# NANUET UNION FREE SCHOOL DISTRICT

## HIGH SCHOOL ELEVATOR ADDITION- BID SET ISSUANCE



NANUET SR HIGH SCHOOL ELEVATOR (HSE) - S.E.D. #: 50-01-08-03-0-003-032

SHEET LIST COVER SHEET

**GENERAL**G-031 - GENERAL NOTES / ABBREVIATIONS / LEGENDS AND SYMBOLS

ABATEMENT
HSE-ASB1 - FIRST & SECOND FLOOR EAST VESTIBULE ACM

HSE-C110 - SITE PREPARATIONS, REMOVALS, & SITE PLAN HSE-C120 - GRADING, UTILITY, & EROSION & SEDIMENT CONTROL PLAN

S-301 - STRUCTURAL SECTIONS

ARCHITECTURAL
HSE-A001 - CODE COMPLIANCE

HSE-A002 - LIFE SAFETY PLANS

HSE-A101 - FLOOR PLAN LEVEL 1 HSE-A102 - FLOOR PLAN LEVEL 2

HSE-A103 - ENLARGED DEMO PLANS HSE-A104 - ENLARGED FLOOR PLANS

**HSE-A200 - ELEVATIONS** HSE-A300 - SECTIONS

HSE-A500 - DETAILS

HSE-M001 - SYMBOLS LEGEND, ABBREVIATIONS AND SCHEDULES

HSE-M101 - OVERALL LEVEL 1 PLAN HSE-M102 - OVERALL LEVEL 2 PLAN

HSE-M103 - HVAC REMOVAL PLANS HSE-M104 - HVAC INSTALLATION PLANS

ELECTRICAL HSE-E101 - ELECTRICAL PLANS

PLUMBING
HSE-P101 - OVERALL FIRST FLOOR LEVEL PLAN HSE-P102 - ELEVATOR PLUMBING PLAN

#### **ENVIRONMENTAL ENGINEER: Green Path Environmental**

79 Glover Street, Suite 1 Staten Island, NY 10308 347.276.2339 www.gpe.nyc

#### **OWNER: Nanuet Union Free School District**

101 Church Street **Nanuet, NY 10956** 845.627.9881 office www.nanuetsd.org

### **CIVIL ENGINEER:** LaBella Associates

4 British American Blvd. **Latham, NY 12110** 518.266.7323 www.labellapc.com

#### **MEP ENGINEER:** Sage Engineering Associates, LLP

9 Columbia Circle Albany NY 12203 518.453.6091 office 518.453.6092 fax www.sagellp.com

#### **CONSTRUCTION MANAGER:** Jacobs

500 7th Avenue 17th Floor New York, NY 10018 646.908.6550 www.jacobs.com

#### STRUCTURAL ENGINEER: Clapper Structural Engineering

**160 Partition Street** Saugerties, NY 12477 845.943.9601 www.clapperstructural.com

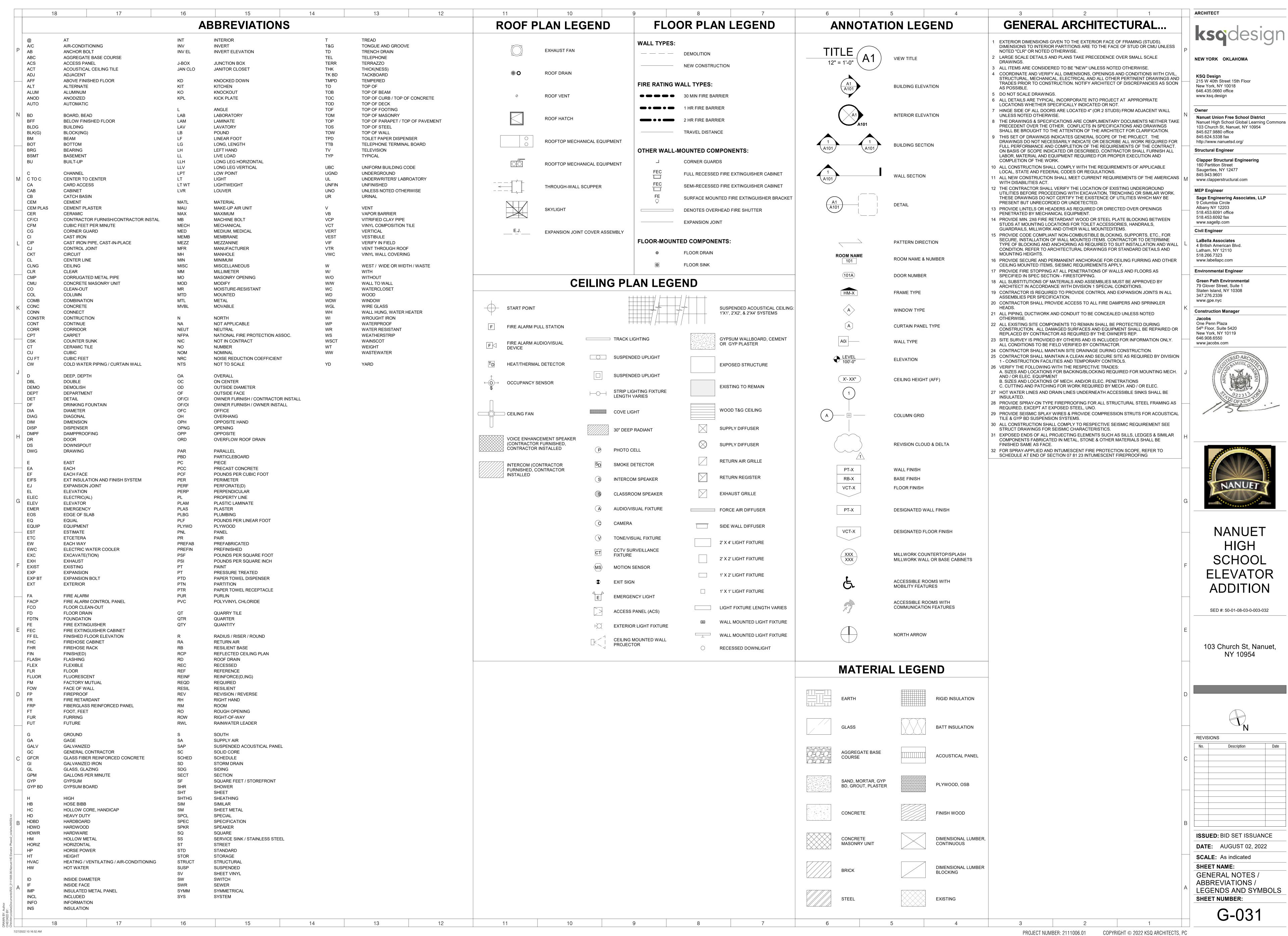
DESIGN CONFORMS TO APPLICABLE PROVISIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, NEW YORK STATE ENERGY CONSERVATION AND CONSTRUCTION CODE AND THE NEW YORK STATE EDUCATION DEPARTMENT BUILDING STANDARDS.



#### **ARCHITECT:**

**NEW YORK OKLAHOMA** 

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





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No.	Description	Date
ISSUE	D: BID SET ISSUA	NCE
DATE:	AUGUST 02, 20	)22

#### TEMPORARY TRAFFIC AND PARKING:

1. PROVIDE TRAFFIC SIGNS, BARRIERS AND DETOURS DURING CONSTRUCTION WHERE SHOWN AND AS REQUIRED TO IDENTIFY TRAFFIC FLOW AND PEDESTRIAN SAFETY.

2. CONTRACTORS MAY NOT USE STAFF OR STUDENT PARKING. ALL CONTRACTORS ARE TO PARK WITHIN THE WORK AREA. IF ADDITIONAL PARKING IS REQUIRED. CONTRACTOR IS TO NOTIFY THE CM FOR COORDINATION OF POSSIBLE LOCATIONS WITHIN THE DISTRICT.

3. ALL MACHINEARY AND EQUIPMENT IS TO BE STORED WITHIN THE LAYDOWN AREA DESIGNATED ON THESE DRAWINGS.

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#### CONSTRUCTION PHASING PLAN - ELEVATOR ADDITION

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DISCRIPTION OF WORK	<u>START</u>	<u>FINISH</u>	NOTES_
EXPEDITED SUBMITTALS, BONDS, INSURANCE	SEPTEMBER 7, 2022	SEPTEMBER 23, 2022	
MOBILIZE, TEMP ROADWORK, FENCING, & PROTECTION	SEPTEMBER 14, 2022	SEPTEMBER 16, 2022	
EXCAVATE & EXPOSE FOUNDATION	SEPTEMBER 13, 2022	SEPTEMBER 14, 2022	
ABATEMENT/DEMO, TESTING & CLEARANCES	SEPTEMBER 16, 2022	SEPTEMBER 18, 2022	** Second Shift & Weekend (Sat & Sun) Abatement Required *** Window, HVAC insulation, Exterior demo by GC abatement sub
FOUNDATIONS, INTERIOR DEMO, PENETRATIONS & REINFORCEMENT	SEPTEMBER 19, 2022	OCTOBER 10, 2022	GC to temp in removed window with 4/8" waterproof shathing and metal stud. Temp infill to be watertight. Interior Demo to be second Shift only.
CMU STRUCTURE & ROOF STRUCTURE	OCTOBER 11 2022	OCTOBER 31, 2022	GC to follow cold weather masonry procedures as required.
SITE GRADING AND STORMWATER	OCTOBER 11 2022	OCTOBER 31, 2022	RE-SEED ASAP
HVAC & PLUMBING & ELECTRICAL	NOVEMBER 1, 2022	NOVEMBER 18, 2022	HVAC UNITS, SUMP PUMP
EXTERIOR MASONRY AND WATERPROOFING	NOVEMBER 1, 2022	NOVEMBER 18, 2022	GC to follow cold weather masonry procedures as required.
ROOFING	NOVEMBER 21, 2022	NOVEMBER 22, 2022	GC to provide temp roofing if weather does not permit new roofing isntall.
ELEVATOR STRUCTURE & CAB (DEPENDENT ON LEAD TIME)	APRIL 2022	APRIL 2022	GC TO COORDINATE WITH EC FOR CONNECTIONS
FINAL ELECTRICAL & HVAC	APRIL 2022	APRIL 2022	
DEMOBILIZE	MAY 2022	MAY 2022	

#### GENERAL NOTES

1. THIS DRAWING IS PORVIDED TO DEPICT THE IMPLEMENTATION SCHEDULE OF WORK IN ORDER TO MINIMIZE THE EFFECT OF CONSTRUCTION ON THE EDUCATIONAL PROGRAM AND PRIMARY USES OF THE FACILITY.

2. THIS DRAWING MAY NOT REFLECT THE ACTUAL EXISTING CONDITIONS OR LATEST PROPOSED

3. ALL REGULATORY AGENCY REQUIREMENTS INCLUDING STATE AND LOCAL CODES AND PROPER SAFETY PRECAUTIONS SHALL APPLY AND TAKE PRECEDENCE OVER THE PAHSING PLANS.

4. PHASING IS REQUIRED FOR THE CONSTRUCTION OF THIS SITE WORK. THIS DRAWING SHOWS THE TEMP ROADS AND SITE BARRIRS FOR DISTRICT EMERGENCY VEHICLES AND PUBLIC ACCESS TO PARTS OF THE SITE DURING THE CONSTRUCTION.

5. CONTRACTOR IS TO PROVIDE A CONSTRUCTION SEQUENCE PLAN FOR REVIEW RELATED TO THE FIELD, TRACK, BLEACHERS, AND TENNIS COURTS ALL INCORPORATED WITH THIS SITE LOGISTICS PLAN SHOWING TEMP ROADS AND SAFETY FENCING.

#### STAGING NOTES

1. SEE SITE DRAWINGS AND PROJECT MANUEL FOR EROSION CONTROL MEASURES: SILT FENCING. STOCKPILING, STABILIZED CONSTRUCTIN PAD, ETC.

2. IN ADDITION TO ORANGE FENCING SHOWN, PROVIDE AT ROADWAYS AND OTHER AREAS DURING DEMOLITION, EXCIVATION AND OTHER WORK WHERE PUBLIC SAFETY IS AFFECTED.

3. POST SIGANGE AT FENCING AND OTHER AREAS OF WORK "HARD HAT AREA", "VISITORS MUST REPORT TO THE TRAILER", "CONSTRUCTION PERSONNEL ONLY", ETC.

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**Environmental Engineer** GREEN PATH ENVIRONMENTAL 79 Glover Street, Suite 1 Staten Island, NY 10308 347 276 2339

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NANUET HIGH SCHOOL **ELEVATOR** 

SED# 50-01-08-03-0-003-028

103 Church Street Nanuet, NY 10954

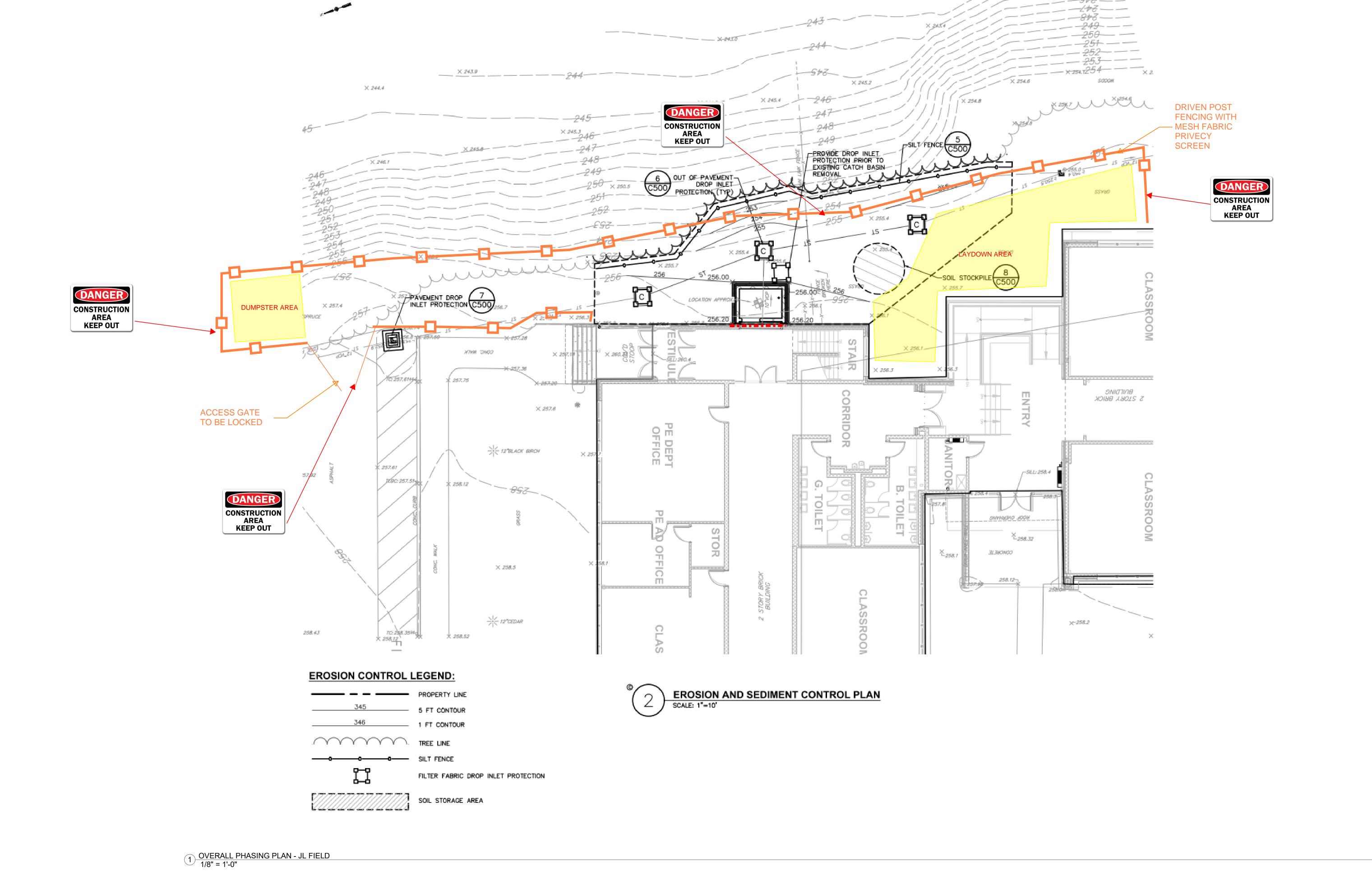
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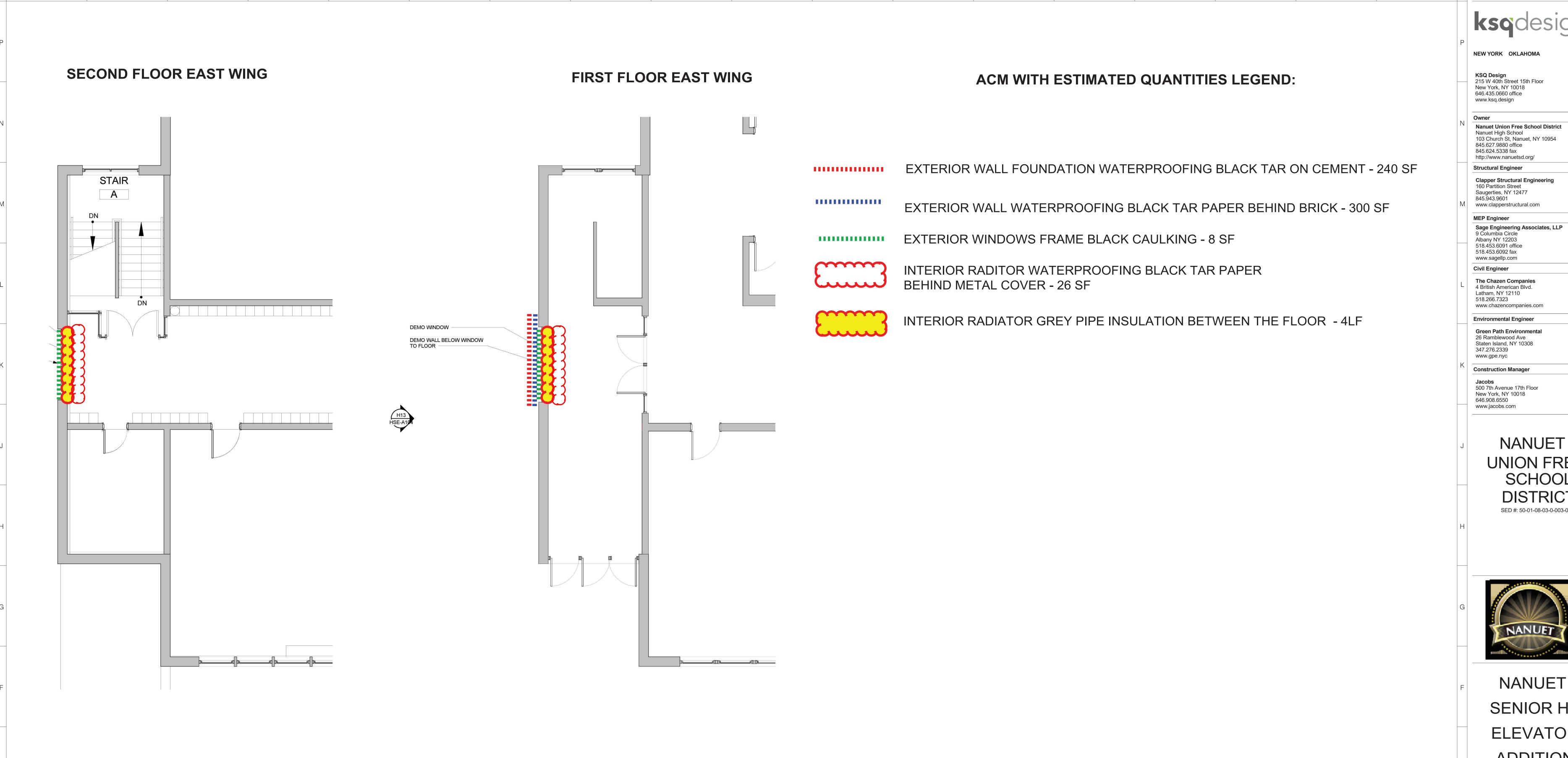
**ISSUED:** BID ISSUE **DATE:** 08/2/2022 SCALE: NTS

SHEET NAME:

LOGISTICS PLAN

SHEET NUMBER: PH-001





ASBESTOS ABATEMENT TO BE PERFORMED IN ACCORDANCE WITH NYS DOL RULE 56

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NANUET

**UNION FREE** 

SCHOOL

DISTRICT

NANUET

SENIOR HS

**ELEVATOR** 

**ADDITION** 

103 Church St, Nanuet, NY 10954

ISSUED: BID SET ISSUANCE

HSE-ASB1

DATE: AUGUST 2, 2022

SCALE: N.T.S.

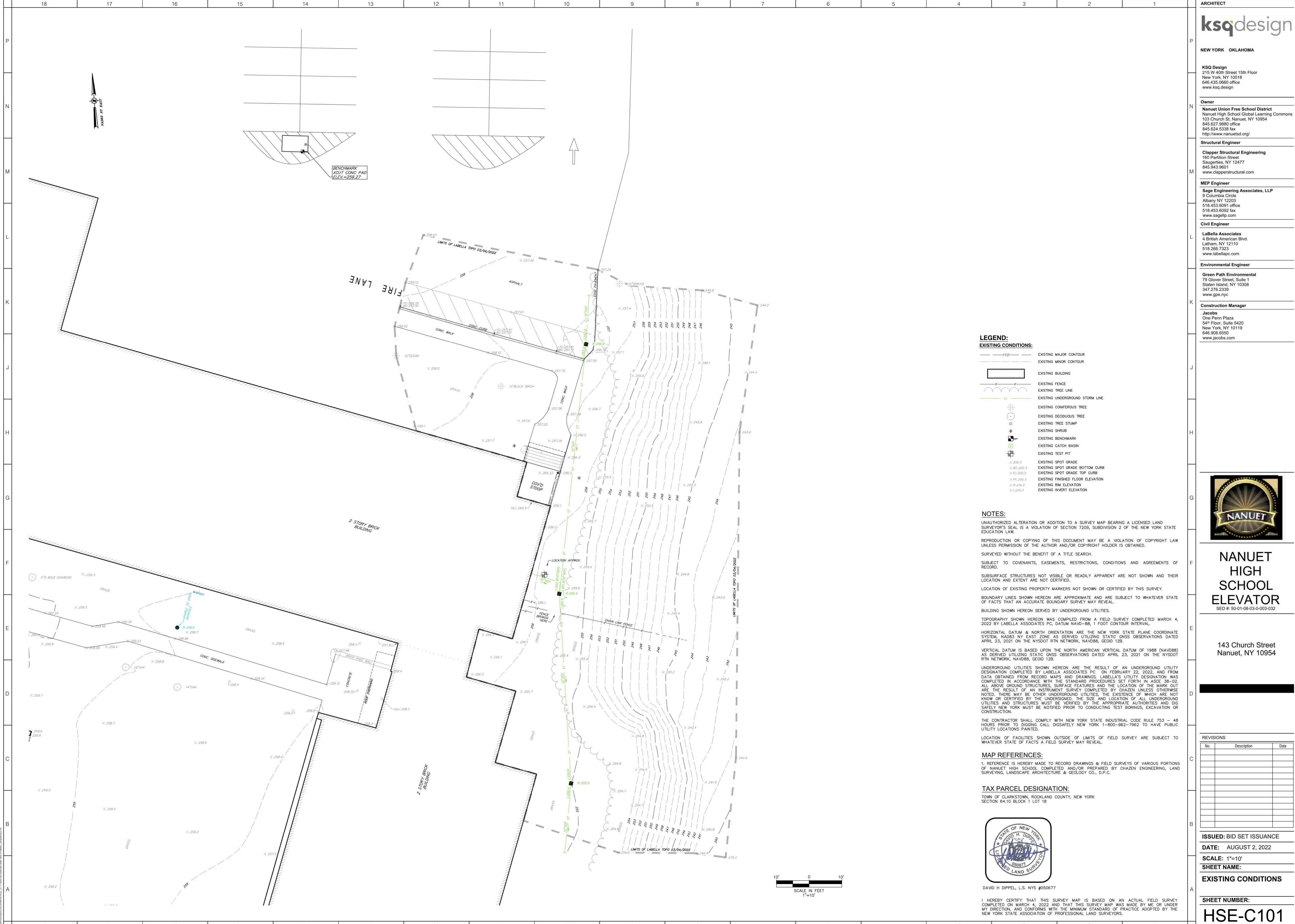
SHEET NAME:

FIRST & SECOND FLOOR EAST VESTIBULE ACM

SHEET NUMBER:

**ARCHITECT** 

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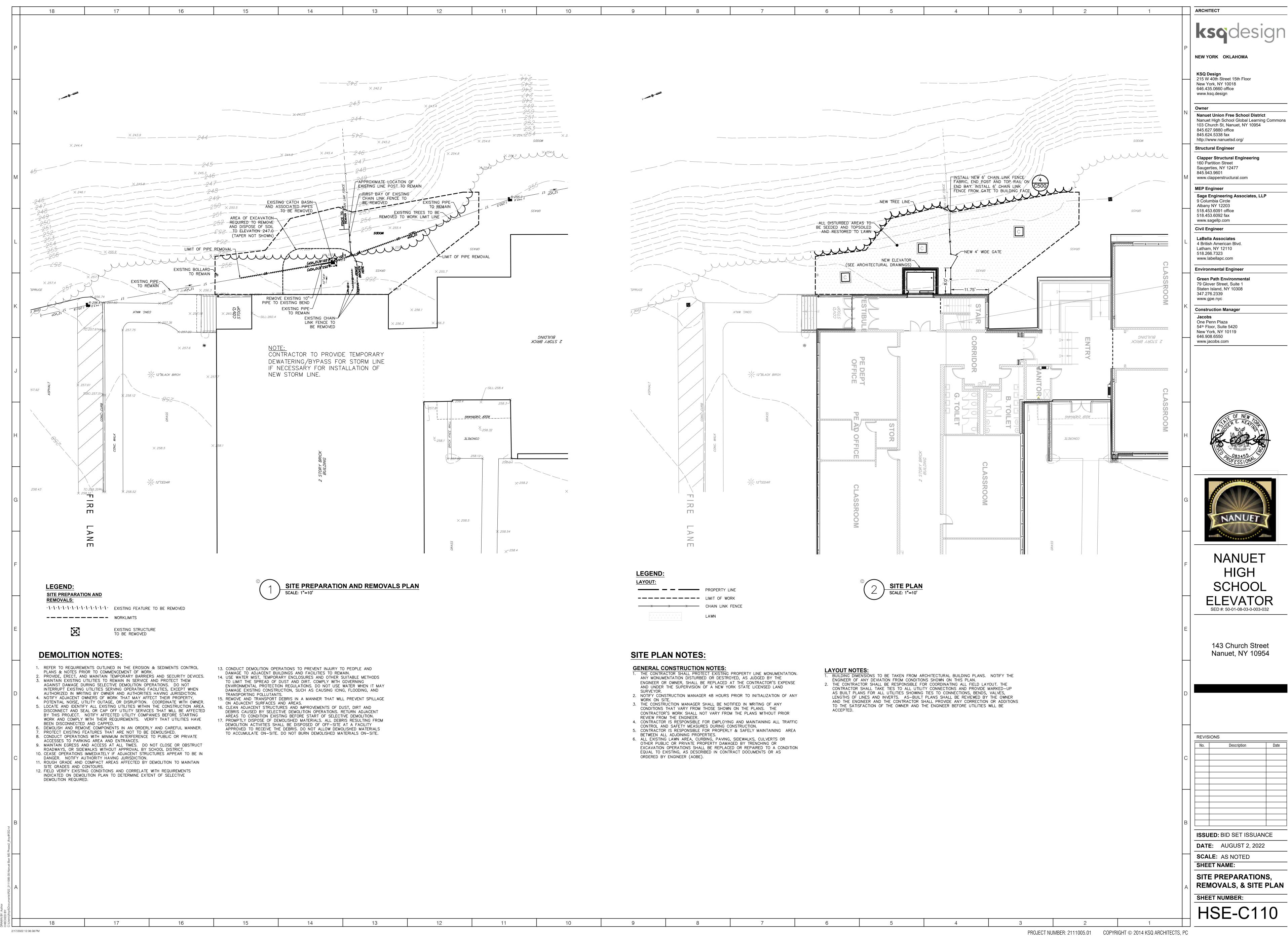


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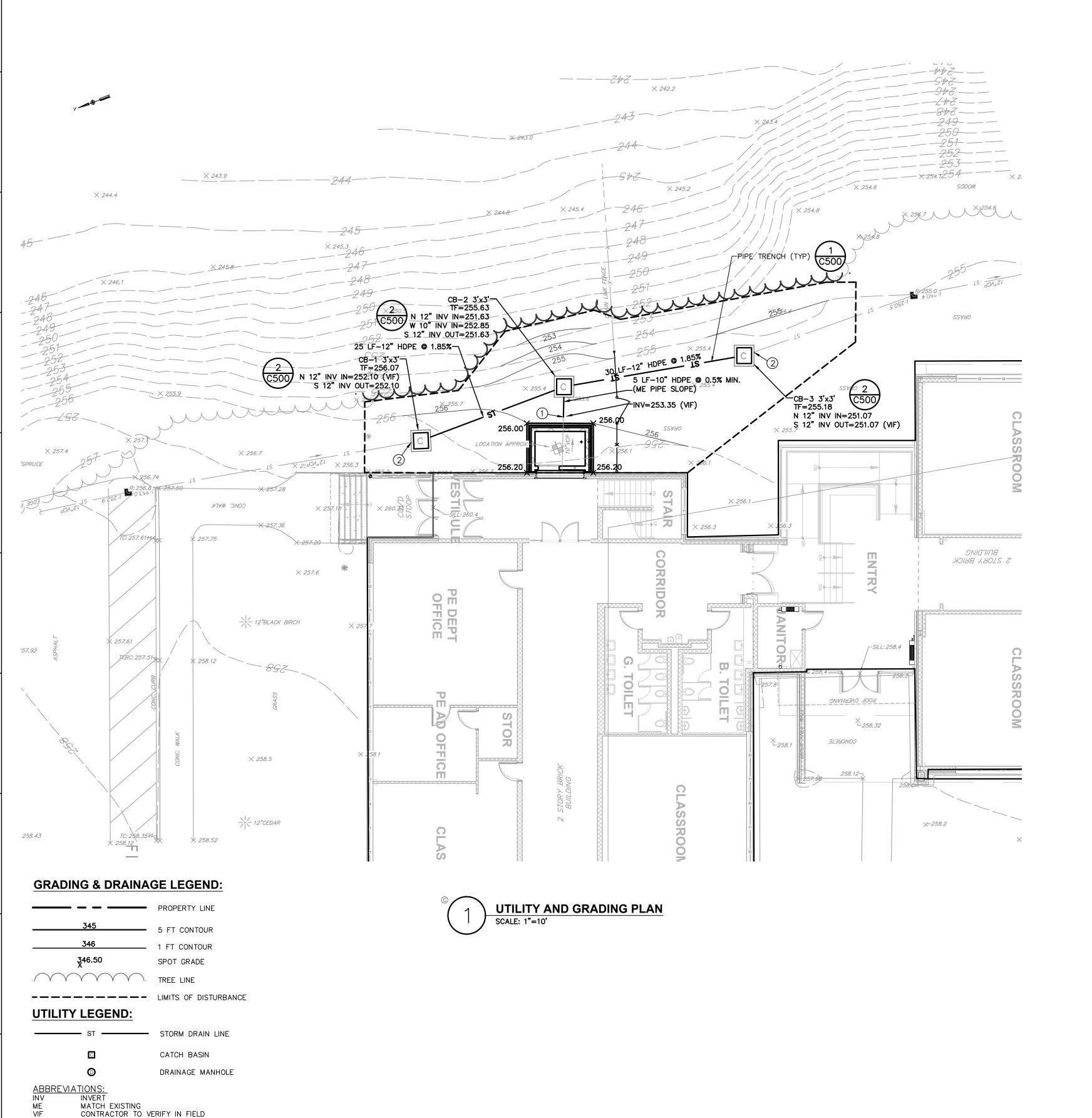
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**UTILITY PLAN NOTES:** 

CUT EXISTING 10" ROOF DRAIN AT EXISTING BEND AND INSTALL NEW PIPE, MATCHING THE EXISTING SLOPE TO THE END USING FERNCO COUPLING, OR APPROVED EQUIVALENT.

(2) CUT EXISTING 12" PIPE AND CONNECT TO NEW STRUCTURE. DISCONNECTED PORTION OF EXISTING PIPES TO BE REMOVED.

PRIOR TO SITE DISTURBANCE, CONTRACTOR TO INSTALL EROSION & SEDIMENT CONTROL MEASURES.

STRIP ALL TOPSOIL PRIOR TO COMMENCING EARTHWORK OPERATIONS. TOPSOIL MAY BE STORED AND

REUSED IN LAWN AND PLANTING AREAS ONLY. TOPSOIL AND SEED ALL AREAS DISTURBED BY

4. ALL EARTHWORK SHALL BE SMOOTHLY AND EVENLY BLENDED INTO EXISTING CONDITIONS. NO WORK, STORAGE OR TRESPASS SHALL BE PERMITTED BEYOND THE BOUNDARIES OF ANY EASEMENT OR

5. REMOVE ALL VEGETATION, TREES, STUMPS, GRASSES, ORGANIC SOILS, DEBRIS AND DELETERIOUS

6. IF PREVIOUSLY UNKNOWN CULTURAL, ARCHEOLOGICAL, OR HISTORIC REMAINS OR ARTIFACTS ARE

DISCOVERED IN THE COURSE OF CONSTRUCTION OF THIS PROJECT, THE PROJECT SPONSORS SHALL

SUSPEND CONSTRUCTION OPERATIONS IN THE PERTINENT AREA AND SHALL NOTIFY THE CONSTRUCTION

AND PERMITS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

MATERIALS WITHIN THE AREAS SLATED FOR CONSTRUCTION.

ROCK REMOVAL IS NOT ANTICIPATED TO BE REQUIRED. IF ROCK IS ENCOUNTERED DURING CONSTRUCTION

& REMOVAL BY BLASTING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVALS

**GRADING NOTES:** 

PROPERTY LINE.

CONSTRUCTION THAT ARE TO REMAIN GREEN.

**GENERAL CONSTRUCTION NOTES:** ALL UNDERGROUND UTILITIES ARE SHOWN IN THEIR RELATIVE POSITION AND ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR TO VERIFY THEIR ACTUAL LOCATION IN THE FIELD PRIOR TO THE

COMMENCEMENT OF CONSTRUCTION. 2. ANY CONDITION ENCOUNTERED IN THE FIELD DIFFERING FROM THOSE SHOWN HEREON, SHALL BE REPORTED TO THE DESIGN ENGINEER BEFORE CONSTRUCTION IS TO PROCEED. 3. SEWER MAINS IN RELATION TO WATER MAINS: WHERE POSSIBLE, SEWERS SHALL BE LAID AT LEAST 10 (TEN) FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN. VERTICAL SEPARATION SHALL BE MAINTAINED TO PROVIDE 18 (EIGHTEEN) INCHES BETWEEN TOP OF SEWER AND BOTTOM OF THE WATER MAIN AT UTILITY CROSSINGS. WHEN NOT POSSIBLE TO OBTAIN THE PROPER VERTICAL

SIDE OF THE WATER MAIN BEING CROSSED. ALL STORM SEWER SHALL BE SMOOTH INTERIOR HDPE UNLESS OTHERWISE SPECIFIED. CONTRACTOR TO VERIFY STATUS OF ALL UTILITY SERVICES PRIOR TO INTERRUPTION. EXPLORATORY EXCAVATIONS SHALL BE PERFORMED BY THE CONTRACTOR AT ALL UTILITY CONNECTION LOCATIONS AND AS NEEDED TO VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. 7. BEFORE CONSTRUCTING LINES TO CONNECT TO EXISTING UTILITIES, VERIFY EXISTING UTILITY INVERTS AND

SEPARATION, SEWER PIPE SHALL BE PRESSURE RATED AND TESTED @ 150psi, 10 (TEN) FEET ON EACH

8. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES IN SERVICE FOR THE DURATION OF THE 9. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS AND ASSOCIATED CONDITIONS. 10. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING UTILITY TRENCHES AND EXCAVATIONS AND FOR

12

11

**STORM SEWER NOTES:** 

1. ALL STORM WATER MANAGEMENT STRUCTURES (I.E. CATCH BASIN, ETC.) SHALL BE REGULARLY INSPECTED FOR SEDIMENT ACCUMULATIONS. CATCH BASINS SHALL BE CLEANED WHEN SEDIMENT DEPTH REACHES A MAXIMUM OF 1/2 THE AVAILABLE SUMP

THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF THE WORK.

NOTIFY THE ENGINEER IF ANY VARIATION FROM THE PLAN IS REQUIRED

2. IF GROUNDWATER IS ENCOUNTERED DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL CONSTRUCT A DEWATERING PIT (A.K.A. SUMP PIT) TO TRAP AND FILTER WATER FOR PUMPING TO A SUITABLE DISCHARGE AREA. THE DEWATERING PIT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW YORK STATE GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL, LATEST EDITION.

3. ALL EROSION CONTROL MEASURES EMPLOYED DURING THE CONSTRUCTION PROCESS SHALL BE AS OUTLINED ON THE EROSION AND SEDIMENT CONTROL PLANS, DETAILS 1. THE TOTAL AREA OF DISTURBANCE PLANNED FOR THIS PROJECT IS LESS THAN 1 ACRE THEREFORE A SPDES GENERAL PERMIT (GP-0-20-001) IS NOT

SPDES GENERAL PERMIT GP-0-20-001 COMPLIANCE NOTES:

**EROSION CONTROL LEGEND:** 

. TREE LINE

PROPERTY LINE

\_\_\_\_\_346 \_\_\_\_\_ 1 FT CONTOUR

CONSTRUCTION SEQUENCING NOTES: PRIOR TO COMMENCING ANY CLEARING, GRUBBING, EARTHWORK ACTIVITIES,

57.92

ETC.AT THE SITE, THE CONTRACTOR SHALL FLAG THE WORK LIMITS AND SHALL INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES (I.E. SILT FENCES, TREE PROTECTION/BARRIER FENCES, STABILIZED CONSTRUCTION ENTRANCES, STORM DRAIN SEDIMENT FILTERS, ETC.) INDICATED ON THE PROJECT DRAWINGS. TEMPORARY EROSION AND SÉDIMENT CONTROL MEASURES MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THEIR TRIBUTARY AREAS.

2. THE CONTRACTOR SHALL COMMENCE SITE CONSTRUCTION ACTIVITIES INCLUDING CLEARING & GRADING OF THE PROPOSED AREA OF DISTURBANCE AS REQUIRED. 3. INSTALL PROTECTIVE MEASURES AT THE LOCATIONS OF ALL GRATE INLETS.
4. CONSTRUCT ALL UTILITIES, AREA INLETS, AND STORM SEWER MANHOLES, AS SHOWN ON THE PLANS. INLET PROTECTION MAY BE REMOVED TEMPORARILY FOR THIS CONSTRUCTION. 5. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND IMMEDIATELY ESTABLISH PERMANENT VEGETATION ON THE AREAS DISTURBED DURING THEIR REMOVAL FOLLOWING CONSTRUCTION

**EROSION AND SEDIMENT CONTROL MEASURES:** 

THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL

DAMAGE TO SURFACE WATERS RESULTING FROM EROSION AND SEDIMENTATION SHALL BE MINIMIZED BY STABILIZING DISTURBED AREAS AND BY REMOVING SEDIMENT FROM CONSTRUCTION SITE DISCHARGES. 2. AS MUCH AS IS PRACTICAL, EXISTING VEGETATION SHALL BE PRESERVED. FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES IN ANY PORTION OF

EXPOSED SOILS. DURATION OF SOIL DISRUPTION.

3. SITE PREPARATION ACTIVITIES SHALL BE PLANNED TO MINIMIZE THE SCOPE AND 4. PERMANENT TRAFFIC CORRIDORS SHALL BE ESTABLISHED AND "ROUTES OF CONVENIENCE" SHALL BE AVOIDED. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL POINTS OF ENTRY ONTO THE PROJECT SITE.

PERMANENT AND TEMPORARY VEGETATION:
INSPECT ALL AREAS THAT HAVE RECEIVED VEGETATION EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. ALL AREAS DAMAGED BY EROSION OR WHERE SEED HAS NOT ESTABLISHED SHALL BE REPAIRED AND RESTABILIZED IMMEDIATELY.

MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES:

**EROSION AND SEDIMENT CONTROL PLAN** 

AREA OF BACKFILL WITH SUITABLE-

SOIL, SEE STRUCTURAL DRAWINGS

× 257.6

12"BLACK BIRCH

× 258.5

12"CEDAR

× 258.12

× 258.52

FILTER FABRIC DROP INLET PROTECTION

SOIL STORAGE AREA

AND SPECIFICATIONS FOR

SILT FENCE:
INSPECT FOR DAMAGE EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE FENCE BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE FENCE. IF FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF FENCE IMMEDIATELY.

SOIL STOCKPILE:
INSPECT SEDIMENT CONTROL BARRIERS (SILT FENCE OR HAY BALE) AND VEGETATION FOR DAMAGE EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE SEDIMENT CONTROL BARRIER BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE SEDIMENT CONTROL BARRIER. IF SEDIMENT CONTROL BARRIER TEARS, BEGINS TO DECOMPOSE, OR IN ANYWAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION SEDIMENT CONTROL BARRIER IMMEDIATELY. REVEGETATE DISTURBED AREA TO STABILIZE SOIL STOCK PILE. REMOVE THE SEDIMENT CONTROL BARRIER WHEN THE SOIL STOCKPILE HAS BEEN REMOVED.

<u>DUST CONTROL:</u>
SCHEDULE CONSTRUCTION OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED AREAS AT ANY ONE TIME DURING THE COURSE OF WORK. APPLY TEMPORARY SOIL STABILIZATION PRACTICES SUCH AS MULCHING, SEEDING, AND SPRAYING (WATER) STRUCTURAL MEASURES (MULCH, SEEDING) SHALL BE INSTALLED IN DISTURBED AREAS BEFORE SIGNIFICANT BLOWING PROBLEMS DEVELOP. WATER SHALL BE SPRAYED AS NEEDED. REPEAT AS NEEDED, BUT AVOID EXCESSIVE SPRAYING, WHICH COULD CREATE RUNOFF AND EROSION PROBLEMS.

STORM DRAIN INLET PROTECTION: INSPECT ALL STORM DRAIN INLET PROTECTION DEVICES EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE REPAIRS AS NEEDED, REMOVE SEDIMENT FROM THE POOL AREA AS NECESSARY.

<u>DEWATERING PITS:</u>
(IF REQUIRED) — INSPECT DAILY DURING OPERATION FOR CLOGGING OR OVERFLOW. CLEAR INLET AND DISCHARGE PIPES OF OBSTRUCTIONS. IF A FILTER MATERIAL BECOMES CLOGGED WITH SEDIMENT, PIT SHALL BE DISMANTLED AND CONSTRUCT NEW PITS AS

SNOW AND ICE CONTROL:
PARKING LOTS, ROADWAYS, AND DRIVEWAYS ADJACENT TO WATER QUALITY FILTERS SHALL NOT BE SANDED DURING SNOW EVENTS DUE TO HIGH POTENTIAL FOR CLOGGING FROM SAND IN SURFACE WATER RUNOFF. USE SALT ONLY FOR SNOW AND ICE

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN STRICT COMPLIANCE WITH "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", NOVEMBER 2016. 2. EXCESS SOIL TO BE STOCKPILED WITHIN THE LIMITS OF SITE DISTURBANCE IF NOT USED IMMEDIATELY FOR GRADING PURPOSES. INSTALL SILT FENCE AROUND SOIL

3. APPLY SURFACE STABILIZATION AND RESTORATION MEASURES. AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE WORK IS DELAYED, SUSPENDED, OR INCOMPLETE AND WILL NOT BE REDISTURBED FOR 21 DAYS OR MORE SHALL BE STABILIZED WITH TEMPORARY VEGETATIVE COVER WITHIN 14 DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED. (SEE SPECIFICATIONS FOR TEMPORARY VEGETATIVE COVER). AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE WORK IS COMPLETE AND WILL NOT BE REDISTURBED SHALL BE STABILIZED AND RESTORED WITH PERMANENT VEGETATIVE COVER AS SOON AS SITE AREAS ARE AVAILABLE AND WITHIN 14 DAYS AFTER WORK IS COMPLETE. (SEE SPECIFICATIONS FOR PERMANENT VEGETATIVE COVER). SEEDING FOR PERMANENT VEGETATIVE COVER SHALL BE WITHIN THE SEASONAL LIMITATIONS. PROVIDE STABILIZATION WITH TEMPORARY VEGETATIVE COVER WITHIN 14 DAYS AFTER WORK IS COMPLETE, FOR SEEDING OUTSIDE

PERMITTED SEEDING PERIODS. 4. SEEDED AREAS TO BE MULCHED WITH STRAW OR HAY MULCH IN ACCORDANCE WITH VEGETATIVE COVER SPECIFICATIONS. 5. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE COURSE OF

THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST BY SPRINKLING EXPOSED SOIL AREAS PERIODICALLY WITH WATER AS REQUIRED. THE CONTRACTOR IS TO SUPPLY ALL EQUIPMENT AND WATER. 7. WHEN ALL DISTURBED AREAS ARE STABLE, ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED.

COMPACTION REQUIREMENTS

LOCATION	COMPACTION	TESTING FREQUENCY
PIPE TRENCH BACKFILL (IN UNPAVED AREAS)	90% ASTM D1557	1 SERIES OF TESTS FOR EACH 150 LF OR LESS OF TRENCH LENGTH. SERIES INCLUDE 3 COMPACTION TESTS SPREAD EVENLY ALONG TRENCH PROFILE.
PIPE BEDDING AND PIPE ZONE BACKFILL	95% ASTM D1557	1 TEST FOR EACH 150 FT OR LESS OF TRENCH LENGTH.

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ARCHITECT 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** Nanuet High School Global Learning Commons 103 Church St, Nanuet, NY 10954 845.627.9880 office 845.624.5338 fax http://www.nanuetsd.org/ **Structural Engineer** Clapper Structural Engineering

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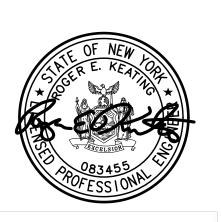
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**Construction Manager** One Penn Plaza 54th Floor, Suite 5420 New York, NY 10119 646.908.6550 www.jacobs.com

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143 Church Street Nanuet, NY 10954

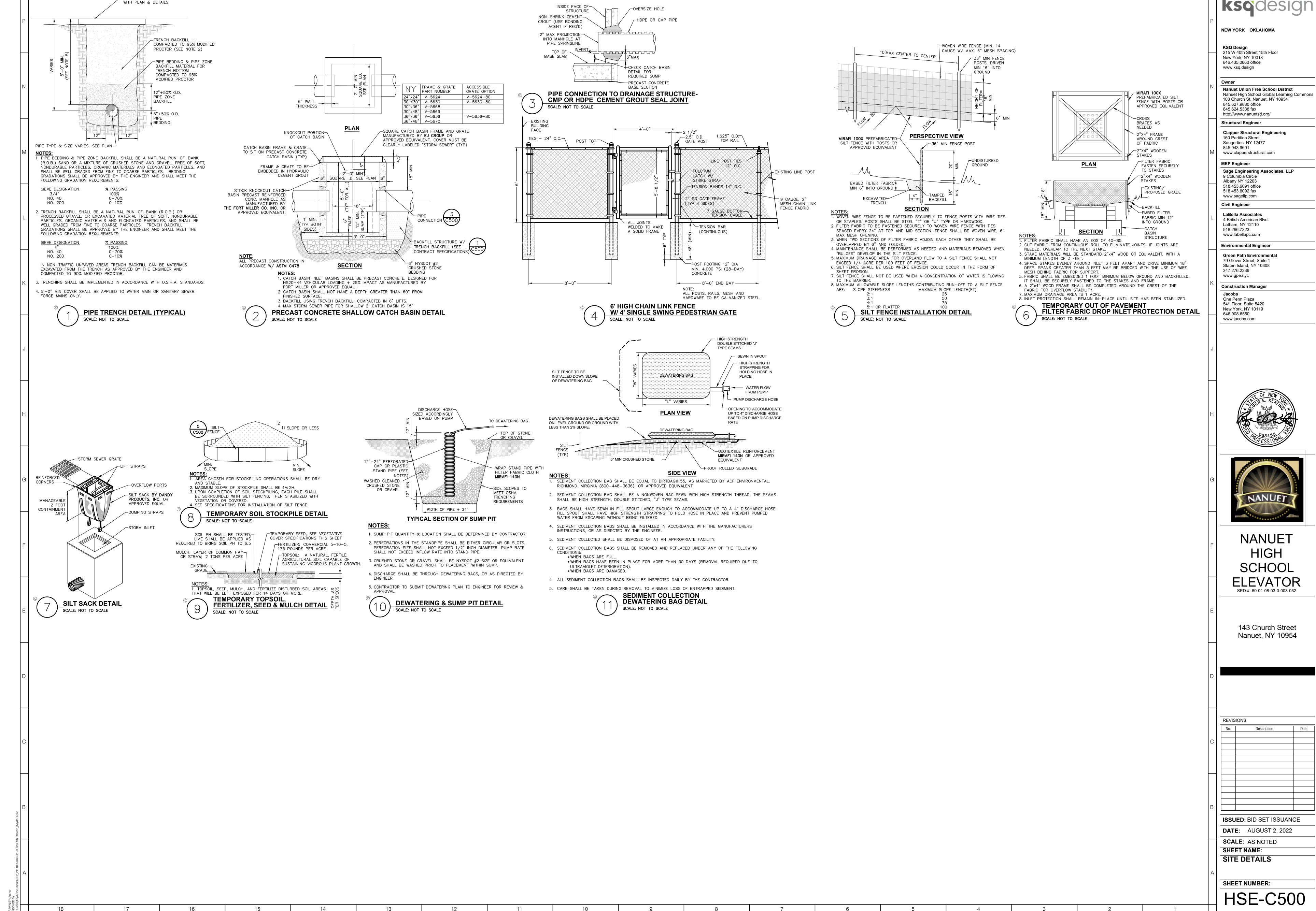
REVISIONS

**ISSUED:** BID SET ISSUANCE **DATE:** AUGUST 2, 2022

**SCALE**: AS NOTED SHEET NAME: **GRADING, UTILITY, & EROSION & SEDIMENT CONTROL PLAN** 

SHEET NUMBER:

**HSE-C120** 



FINISHED SURFACE IN ACCORDANCE

ARCHITECT



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<u>CAST-IN-PLACE CONCRETE GENERAL NOTES:</u>
(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY)

- CONCRETE WORK SHALL CONFORM WITH THE REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE ACI 318 (LATEST EDITION).
- UNLESS OTHERWISE INDICATED ON DRAWINGS CAST-IN-PLACE CONCRETE SHALL DEVELOP A STRENGTH OF 3,500 PSI (FOOTINGS, FOUNDATION WALLS AND RETAINING
- STEEL CHAIRS OR TIES.
- FOLLOW C.R.S.I. RULES FOR PLACING OF REINFORCING STEEL AND ACCESSORIES.
- STRUCTURAL MEMBERS SHALL BE POURED FOR THEIR FULL DEPTHS IN ONE OPERATION. CONSTRUCTION JOINTS SUCH AS A DAY'S POUR JOINTS SHALL BE LOCATED IN THE MIDDLE THIRD OF THE SPAN, MAIN REINFORCING TO RUN THROUGH THE JOINT, KEY AND ROUGHEN JOINTS TO EXPOSE AGGREGATE FOR CHEMICAL BOND.
- DRAWINGS, WITHOUT THE APPROVAL OF THE ENGINEER.

- ELEVATIONS CHANGE.
- READY MIX CONCRETE (ASTM C94)
- MAX AGGREGATE CONTENT SIZE OF 3/4 INCH (ASTM C33)
- CLEAN POTABLE DRINKING WATER
- AIR CONTENT TO BE 6% +/- 1.5% (INTERIOR SLABS TO HAVE 0% AIR)
- REINFORCING BARS: ASTM -A 615 GRADE 60 KSI
- WELDED WIRE FABRIC: ASTM-A 185
- ALL REINFORCING STEEL AND EMBEDMENT TO BE HELD SECURELY IN PLACE PRIOR TO PLACING CONCRETE. PROVIDE SUFFICIENT SUPPORTS TO ALLOW WALKING ON
- CONCRETE MEMBERS SHALL NOT BE LOADED UNTIL SATISFACTORY CONCRETE
- 22. NO ADMIXTURES MAY BE USED UNLESS PRIOR APPROVAL BY THE OWNER/ENGINEER.
- COLD WEATHER REQUIREMENT SHALL BE USED DURING FREEZING OR NEAR

- ASTM A446 WITH A MINIMUM YIELD STRENGTH AS FOLLOWS: 12, 14, & 16 GAUGE MEMBERS: Fy = 50 KSI (GRADE D) 18 & 20 GAUGE MEMBERS: Fy = 33 KSI (GRADE A)
- ALL FRAMING MEMBERS SHALL BE GALVANIZED WITH A G-60 COATING MEETING THE REQUIREMENTS OF ASTM A525.
- MEMBERS SHALL BE THE MANUFACTURERS STANDARD "C" SHAPED STUDS/JOISTS, HAVE A FLANGE LIP RETURN OF 1/2" AND SATISFY THE MINIMUM PROPERTIES AS PER "MARINO/ WARE", OR APPROVED EQUAL PER MINIMUM REQUIREMENTS AND NOTES ON THIS SHEET.
- IS BEING CONNECTED. UNLESS OTHERWISE INDICATED, CONNECT TRACKS TO CONCRETE WITH 0.205" DIA. POWER DRIVEN FASTENERS (WITH 1.25" EMBEDMENT) AT 16" ON CENTER.
- ALL WELDING SHALL BE IN CONFORMANCE WITH AMERICAN WELDING

12

11

- WALLS); 3,500 PSI (SLAB ON GRADE) AT 28 DAYS.
- TEMPERATURE REINFORCING SHALL BE SUFFICIENTLY EMBEDDED TO DEVELOP FULL STRENGTH IN CONCRETE WALLS AND SLABS.
- PROVIDE ADEQUATE TIES FOR REINFORCEMENT IN SLABS, BEAMS, PIERS AND WALLS. REINFORCEMENT TO BE HELD AT CORRECT DISTANCE FROM FORMS AND EARTH BY
- THIS CONTRACTOR SHALL COOPERATE WITH OTHER TRADES AND WHERE REQUIRED INSTALL ALL BUILT-IN WORK, SLEEVES, INSERTS, ETC., AS REQUIRED FOR A COMPLETE
- NO HORIZONTAL JOINTS SHALL BE PLACED IN WALLS EXCEPT AS SHOWN ON THE
- STRUCTURAL SLABS ON GRADE SHALL BE OF A THICKNESS AND REINFORCED AS
- SLABS-ON-GRADE SHALL HAVE THICKENINGS, DEPRESSIONS, OPENINGS, ETC., AS
- REQUIRED OR AS SHOWN HEREIN OR ON ARCHITECTURAL DRAWINGS.
- 11. PROVIDE 100% CONTINUITY OVER SUPPORTS FOR CONTINUOUS SLABS AND BEAMS.
- TOP ELEVATION OF SLABS SHALL VARY ACCORDING TO FINISH FLOOR MATERIAL. SEE ARCHITECTURAL DRAWINGS.
- SEE MECHANICAL AND ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS IN, FLOORS AND WALLS NOT SHOWN ON STRUCTURAL DRAWINGS.
- MAXIMUM STEP OF FOOTINGS SHALL BE ONE VERTICALLY TO TWO HORIZONTALLY WHERE
- CONCRETE SHALL CONSIST OF THE FOLLOWING:

INDICATED ON DRAWINGS.

- MAX WATER TO CEMENT RATIO = 0.50
- MAX SLUMP OF 5" + OR AN INCH (ASTM C143) PORTLAND CEMENT: ASTM-C 150, TYPE 1
- REINFORCING STEEL SHALL CONSIST OF THE FOLLOWING:
- PROVIDE CONTINUOUS REINFORCING WHEREVER POSSIBLE, PLACE ONLY AS SHOWN OR APPROVED, STAGGER SPLICES WHERE POSSIBLE.
- 20. DETAIL ACCORDING TO ACI STANDARD 315, MANUAL OF STANDARD PRACTICE FOR
- DETAILING REINFORCING CONCRETE STRUCTURES.
- STRENGTH HAS BEEN OBTAINED.
- FREEZING WEATHER ACI 306.1-90. COLD WEATHER IS DEFINED AS 3 DAYS WITH AVG.
- DURING HOT WEATHER CONCRETE SHALL BE PLACED AND CURED IN ACCORDANCE

#### COLD FORMED STEEL GENERAL NOTES (UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY)

- ALL COLD FORMED STEEL FRAMING MEMBERS, THEIR DESIGN, FABRICATION, AND ERECTION SHALL CONFORM TO THE "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" OF THE A.I.S.I. (2001 ED., INCLUDING 2004 SUPPLEMENT)
- ALL FRAMING MEMBERS SHALL BE FORMED FROM STEEL CONFORMING TO

- THE GAUGE OF ALL TRACKS SHALL BE NO LIGHTER THAN THE FRAMING THAT
- SOCIETY SPECIFICATION D1.3. ALL WELDS SHALL BE TOUCHED UP WITH ZINC

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SED #: 50-01-08-03-0-003-032

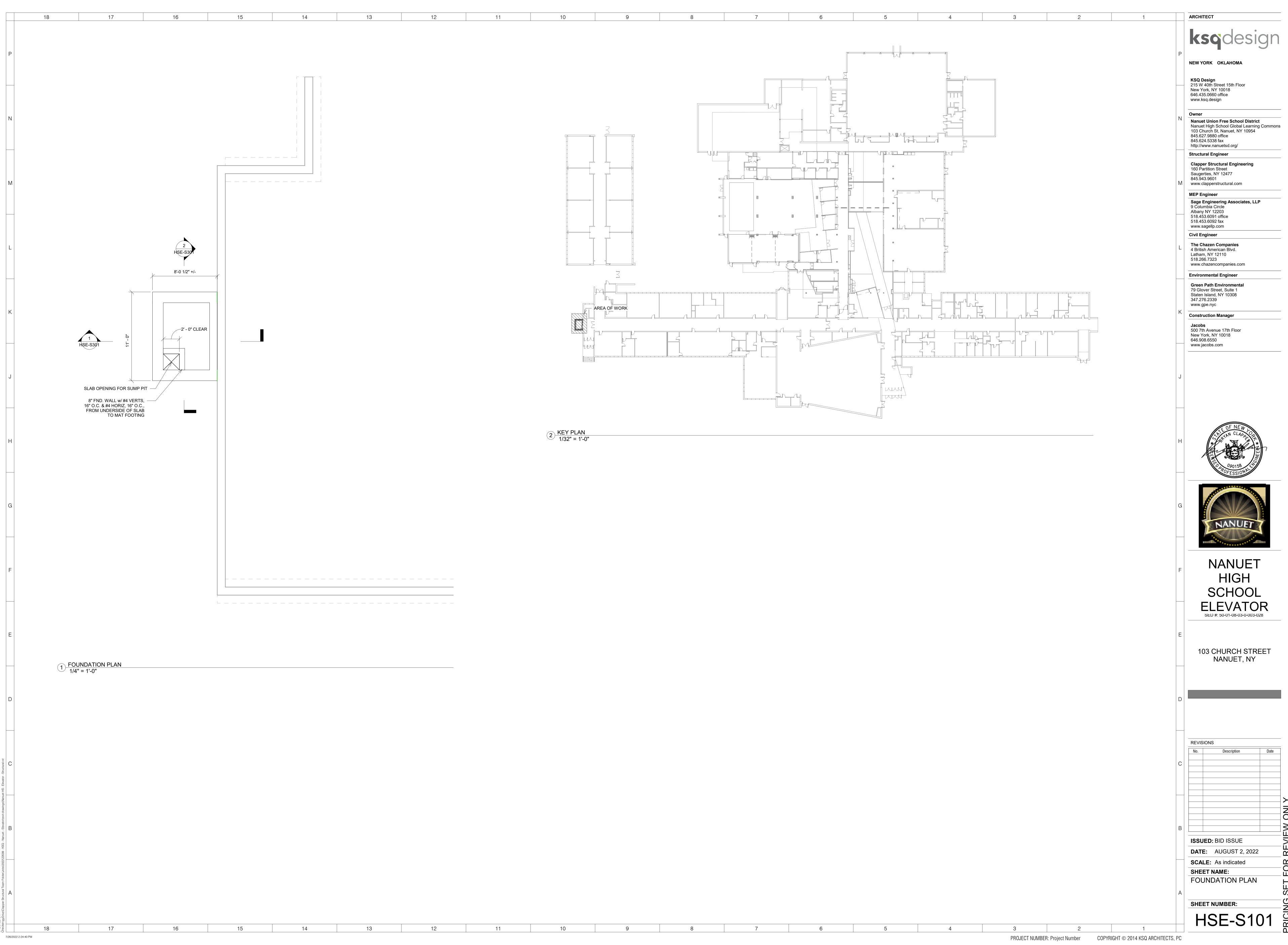
103 CHURCH STREET NANUET, NY

REVISIONS Description **ISSUED:** BID ISSUE

**DATE:** AUGUST 2, 2022 SCALE: SHEET NAME:

STRUCTURAL NOTES

SHEET NUMBER: HSE-S001





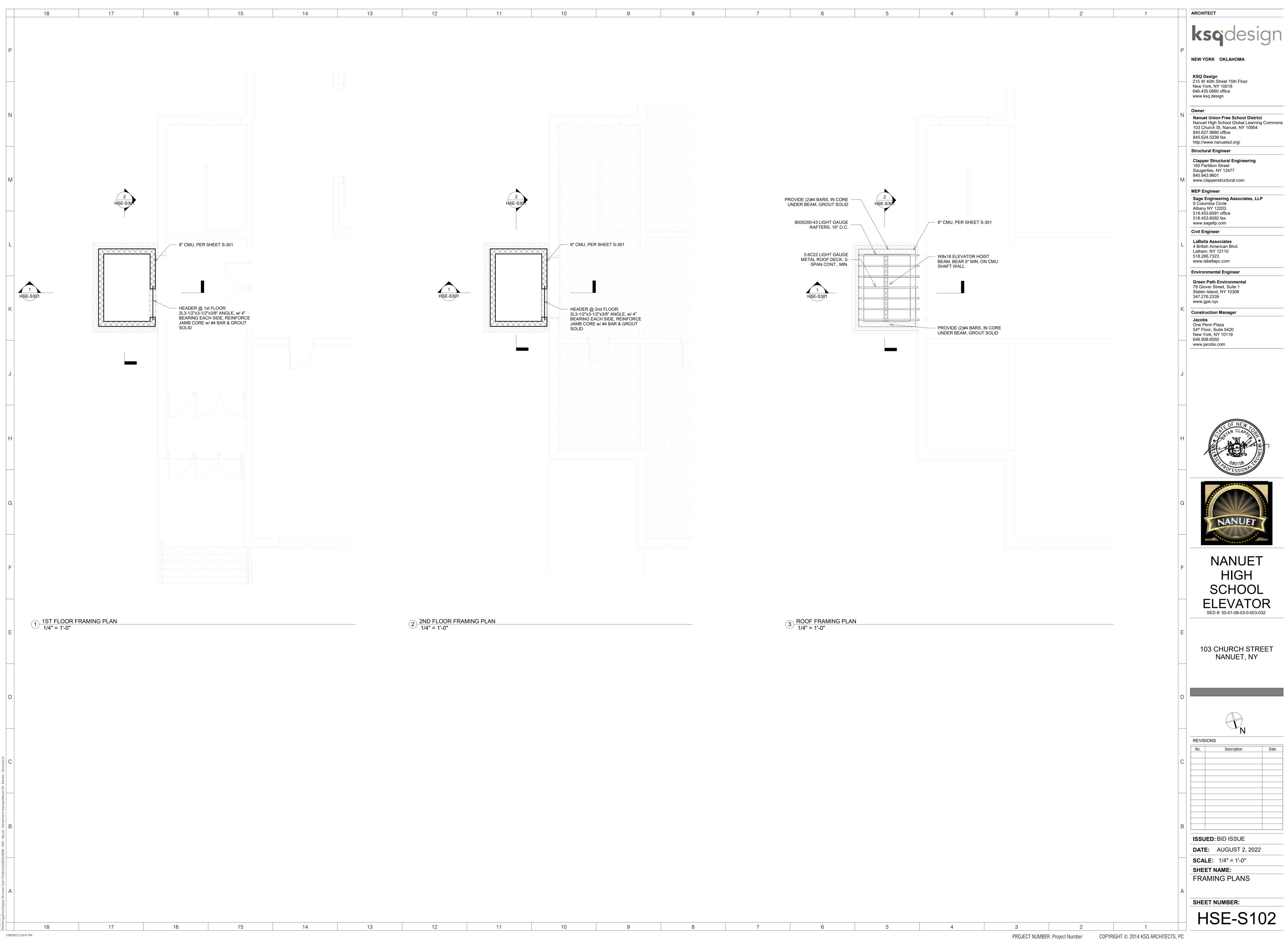


NANUET HIGH SCHOOL

103 CHURCH STREET

**DATE**: AUGUST 2, 2022

HSE-S101 문



Nanuet Union Free School District

Sage Engineering Associates, LLP 9 Columbia Circle Albany NY 12203





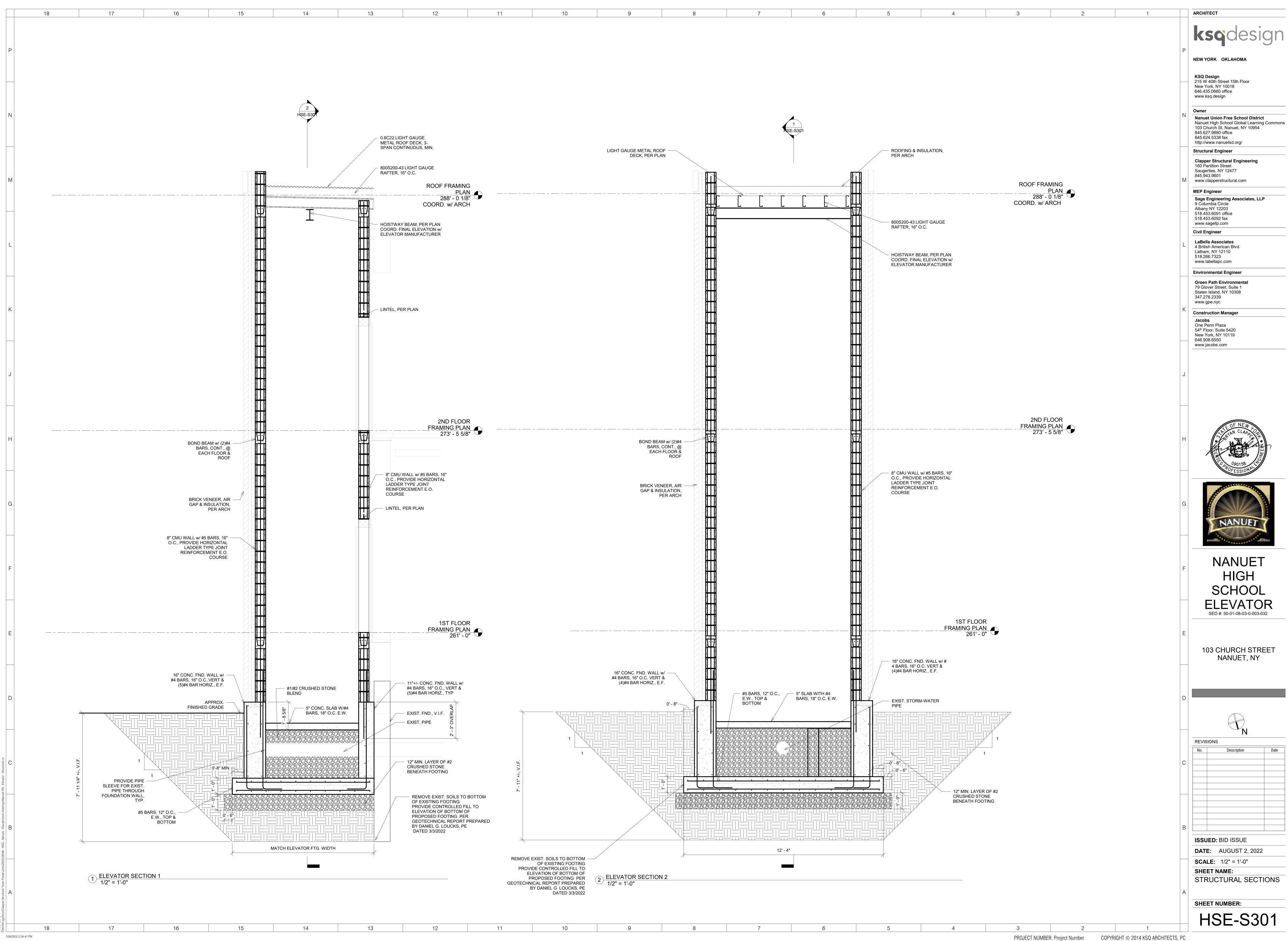
NANUET HIGH SCHOOL **ELEVATOR** SED #: 50-01-08-03-0-003-032

103 CHURCH STREET NANUET, NY

	N
NS	

**DATE**: AUGUST 2, 2022

FRAMING PLANS







**ELEVATOR** 

Allowable building are = 31,089 SF (without basement) > 29,000 SF (total allowable building area) = **Non-conforming**. See life safety plans for smoke

Gross Area: 10,287 SF < 29,000 SF (total allowable building area) =

1st Fl 2nd FL Basement

Total (New and Existing )

Note: The aggregate Existing building does not conform to fire area limitations. The

zones and fire areas.

Floor Level

New Addition

Type of Construction:

Type IIB Non-Combustible Construction

New Addition:

Existing Building:

1960 Addition

1958 Original Building

Tybe IIB assumed for all

1971 Additions and Alterations 2005 Additions and Alterations

(per NY State Building Code (1972))

Height: 1 Story, 12' high Area: 10,287 SF (1st floor)

Total Existing Floor Area: 159,740 SF

178 SF -Existing Building 100,205 SF 40,065 SF 19,470 SF

new addition will NOT increase existing building fire area(s).

<u>Building Code of New York State 2015</u> State Department of Education (SED) Manual of Planning Standards Assumption:
The existing High School building is Type IIB construction and is unsprinklered. E - Educational - 9-12 School 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. PERCENTAGE OF UNPROTECTED OPENING PERMITTED

Not Permitted FIRE SEPARATION DISTANCE (FEET) Not Permitted 10 TO 15 10 TO 15 15 TO 20 20 TO 25 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

BC SECTION 715.4.5 (Labeled Protective Assemblies): 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 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 alarm)

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 exceptions:

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 Ceilling 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 CLASS B: Flame spread 26-75 Smoke-developed 0-450 Smoke-developed 0-450 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 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 and ASTM C636. 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):

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. 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

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

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

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.

SED D003 (Grandstands / Bleachers):
The primary exit stair to grade from the grandstand / bleacher platform shall be a non-slip surface (not wood). Documents shall show full accessibility for the physically impaired. Accessibility shall include parking, an exterior route to the grandstand / bleacher, ramp or

stair applications, and signage. 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 2406.2(1).

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.

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**NANUET** HIGH SCHOOL **ELEVATOR** ADDITION SED #: 50-01-08-03-0-003-032

103 Church St, Nanuet, NY 10954

REVISIONS

**ISSUED:** BID SET ISSUANCE **DATE:** AUGUST 02, 2022

SCALE: SHEET NAME: CODE COMPLIANCE

SHEET NUMBER HSE-A001

PROJECT NUMBER: 2111006.01 COPYRIGHT © 2014 KSQ ARCHITECTS, PC



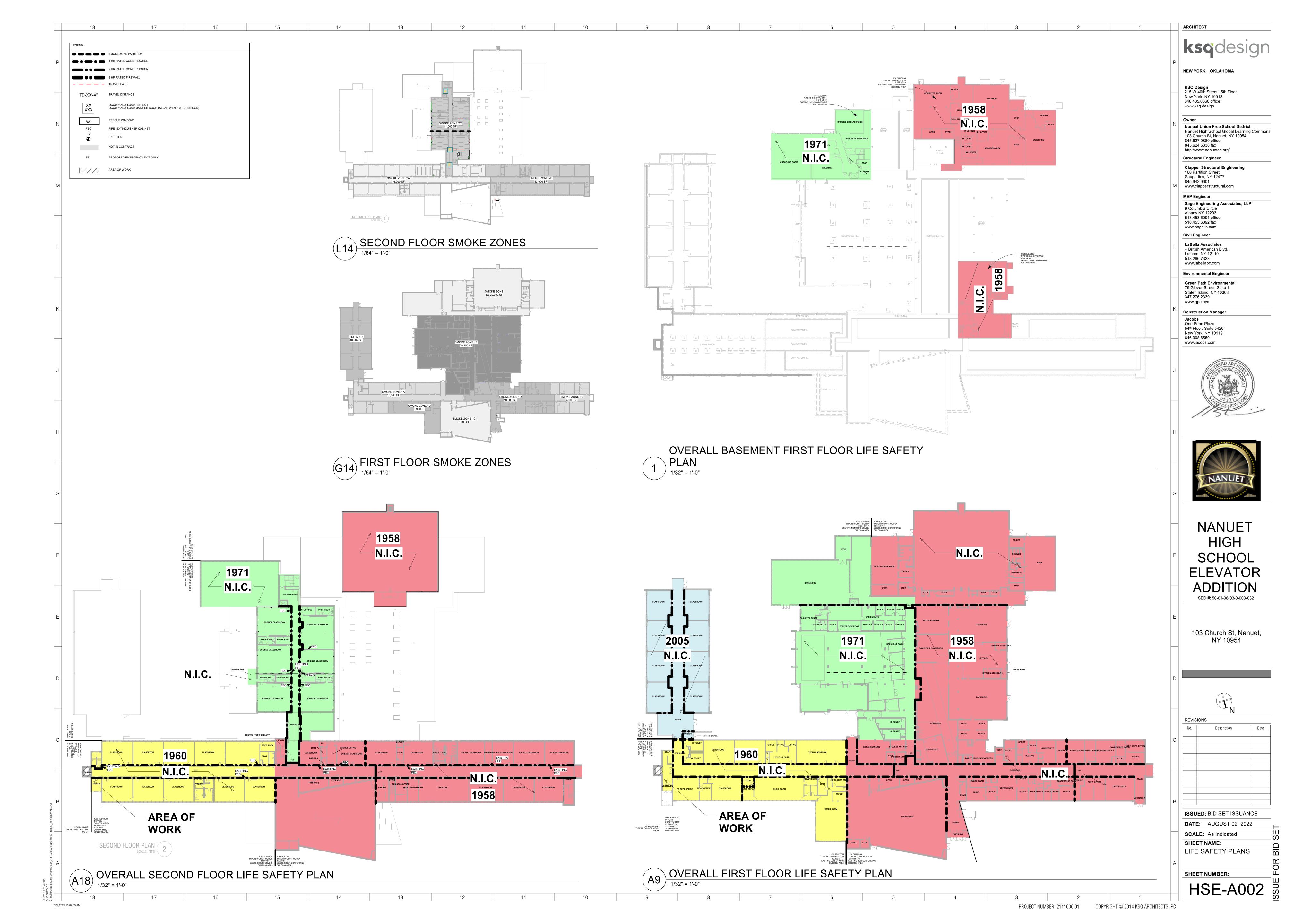
178 SF

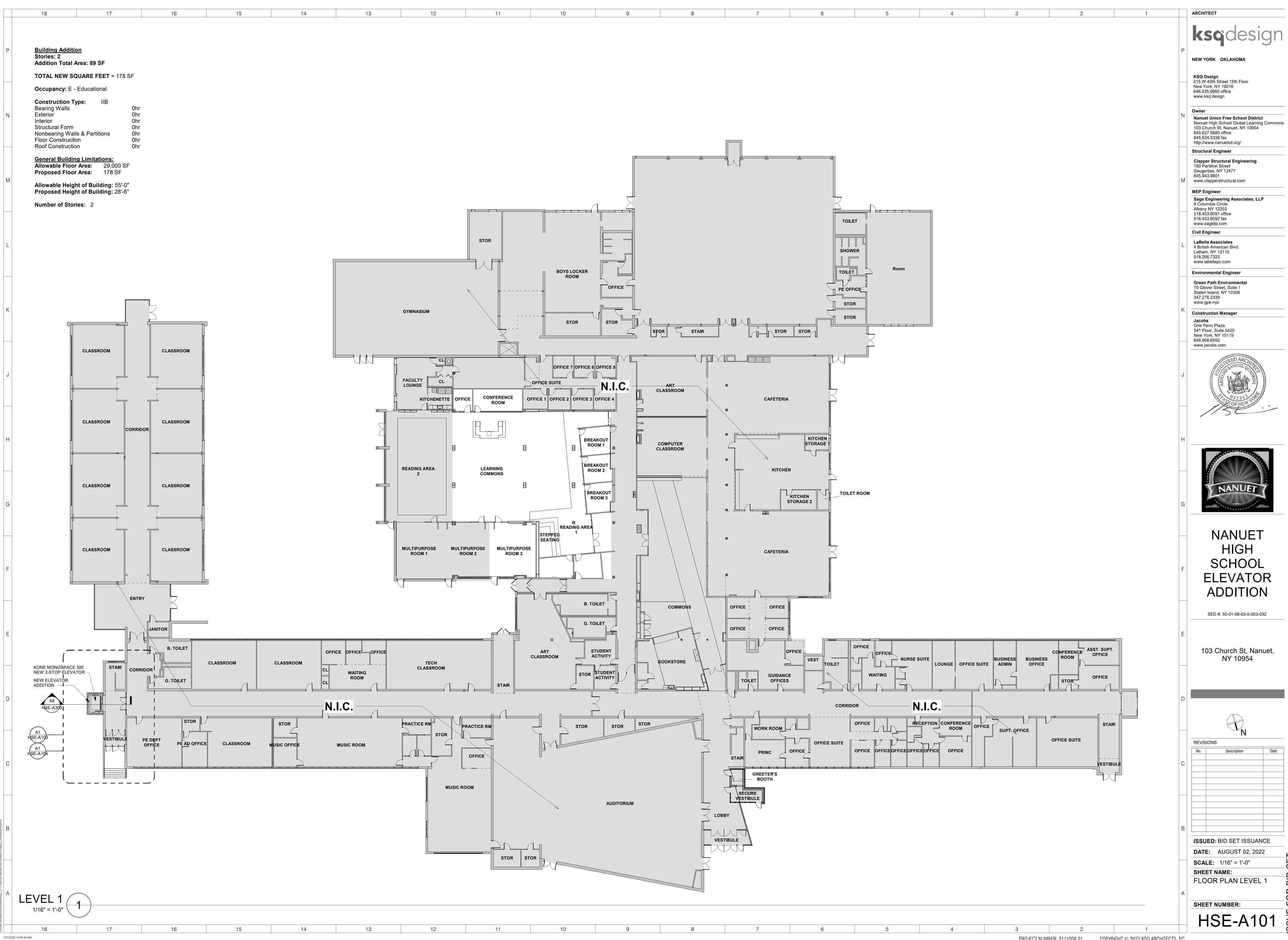
159,740 SF

159,918 SF

**AERIAL SITE VIEW** 

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Clapper Structural Engineering

Sage Engineering Associates, LLP 9 Columbia Circle Albany NY 12203





NANUET HIGH SCHOOL **ELEVATOR ADDITION** 

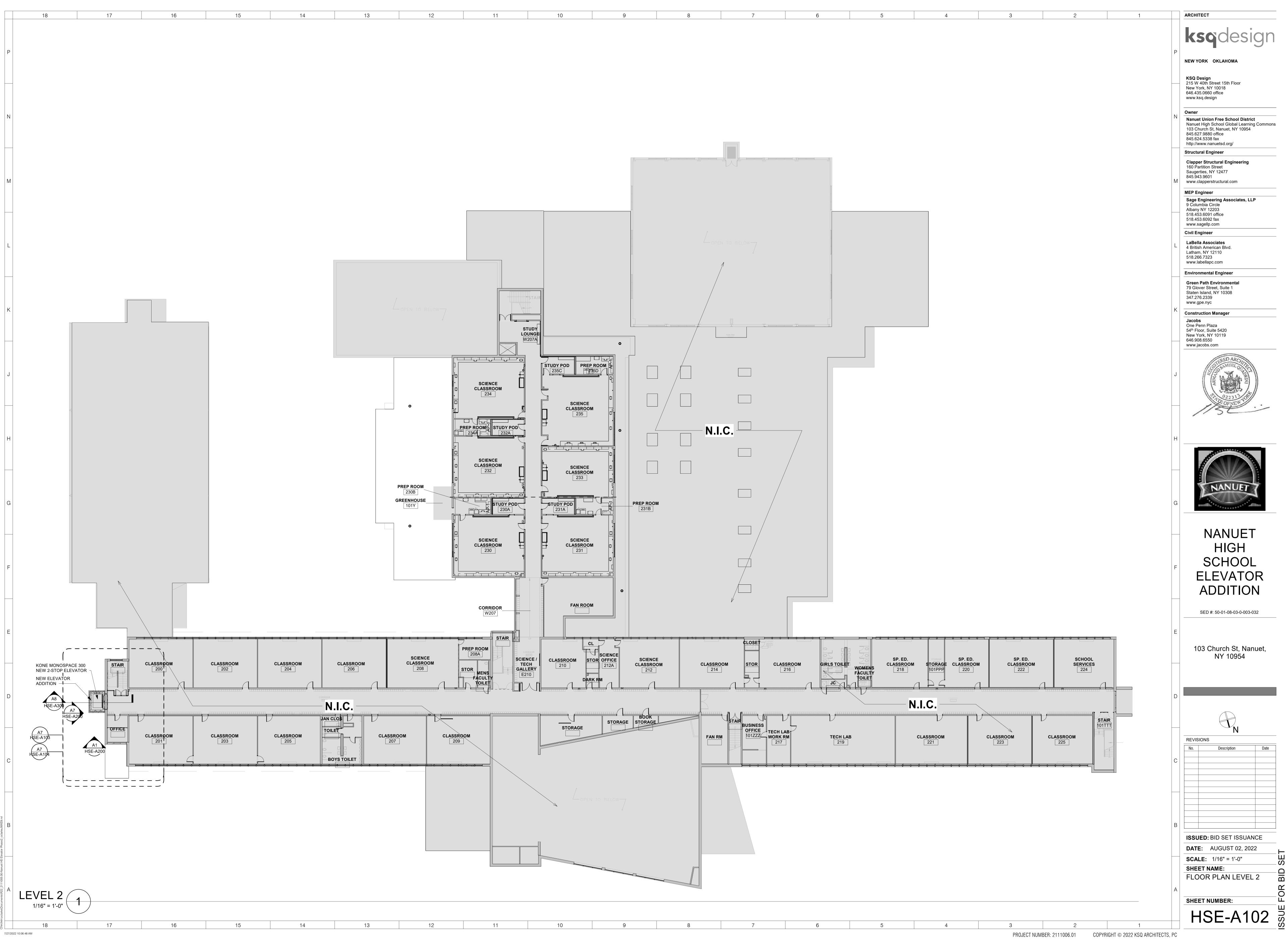
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103 Church St, Nanuet, NY 10954

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DATE:	AUGUST 02, 20	22

FLOOR PLAN LEVEL 1

HSE-A101

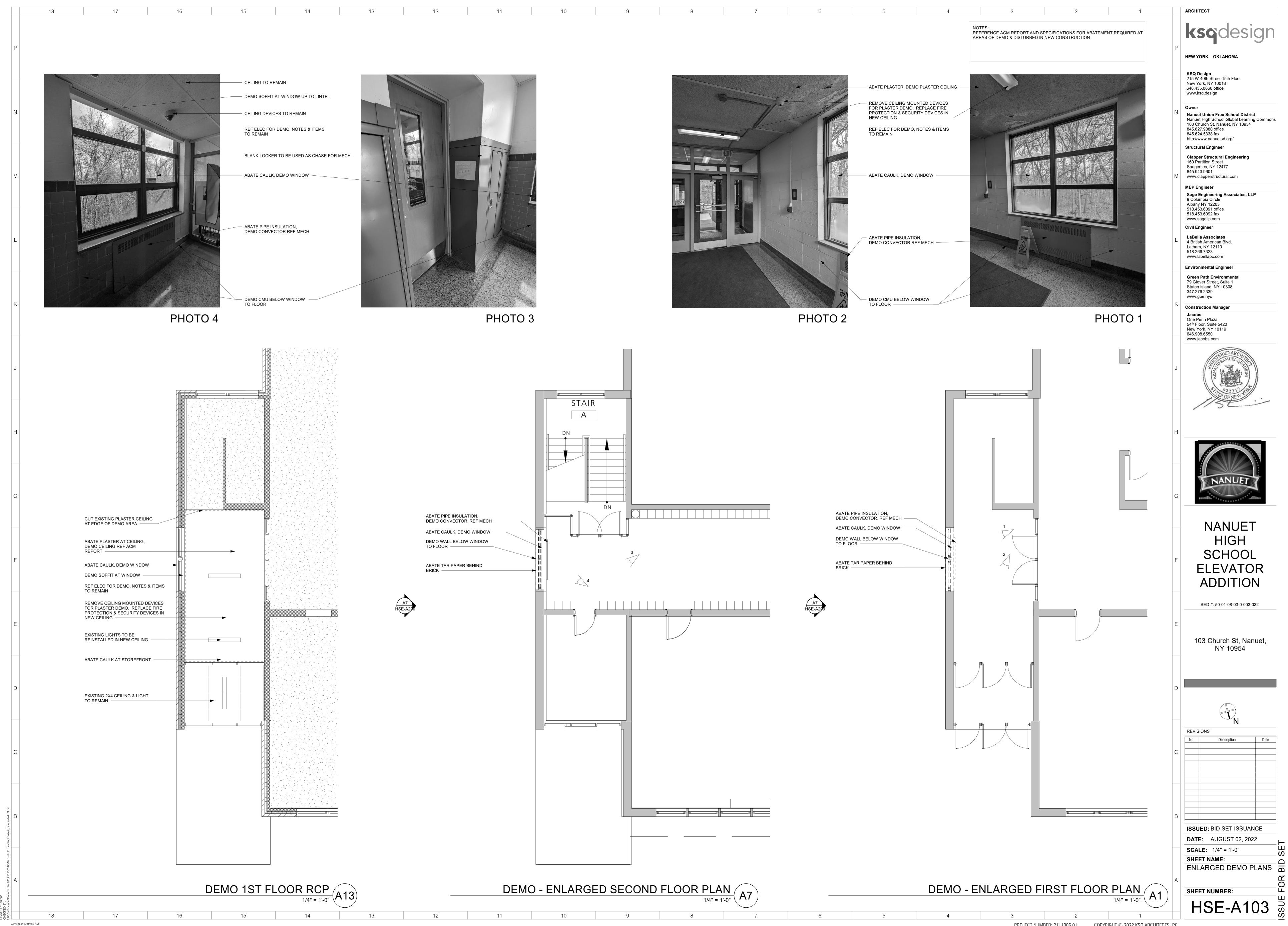






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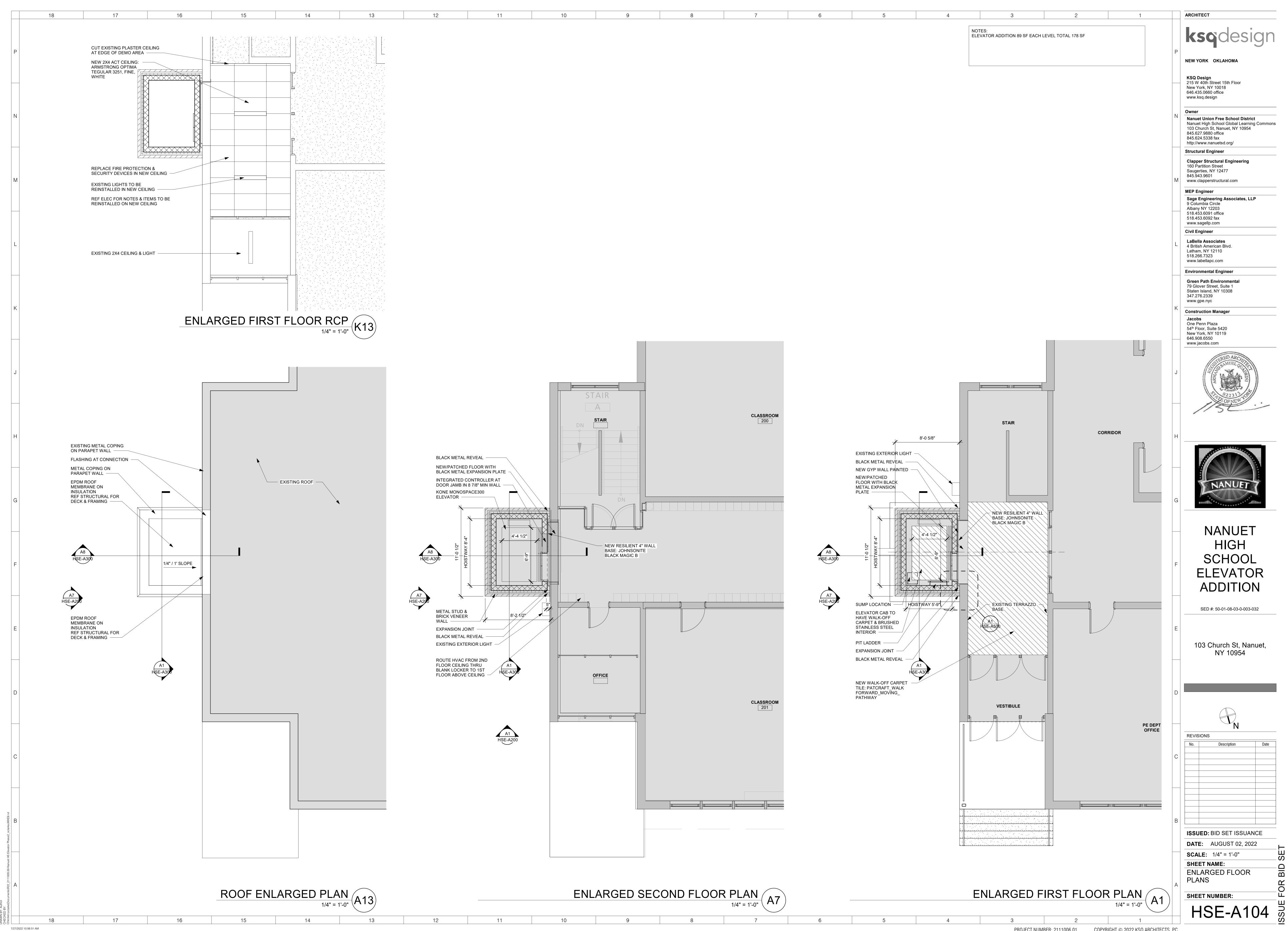
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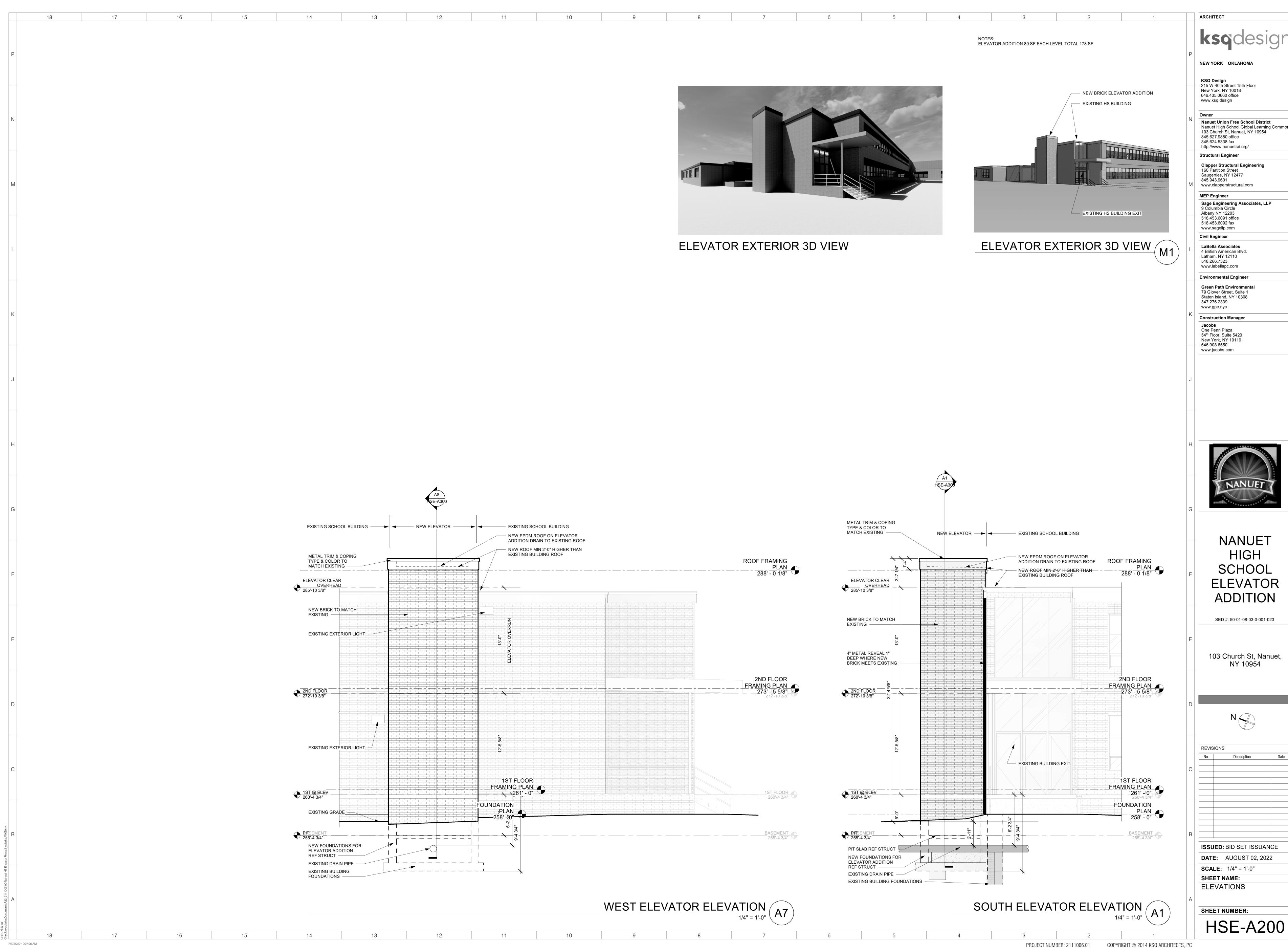






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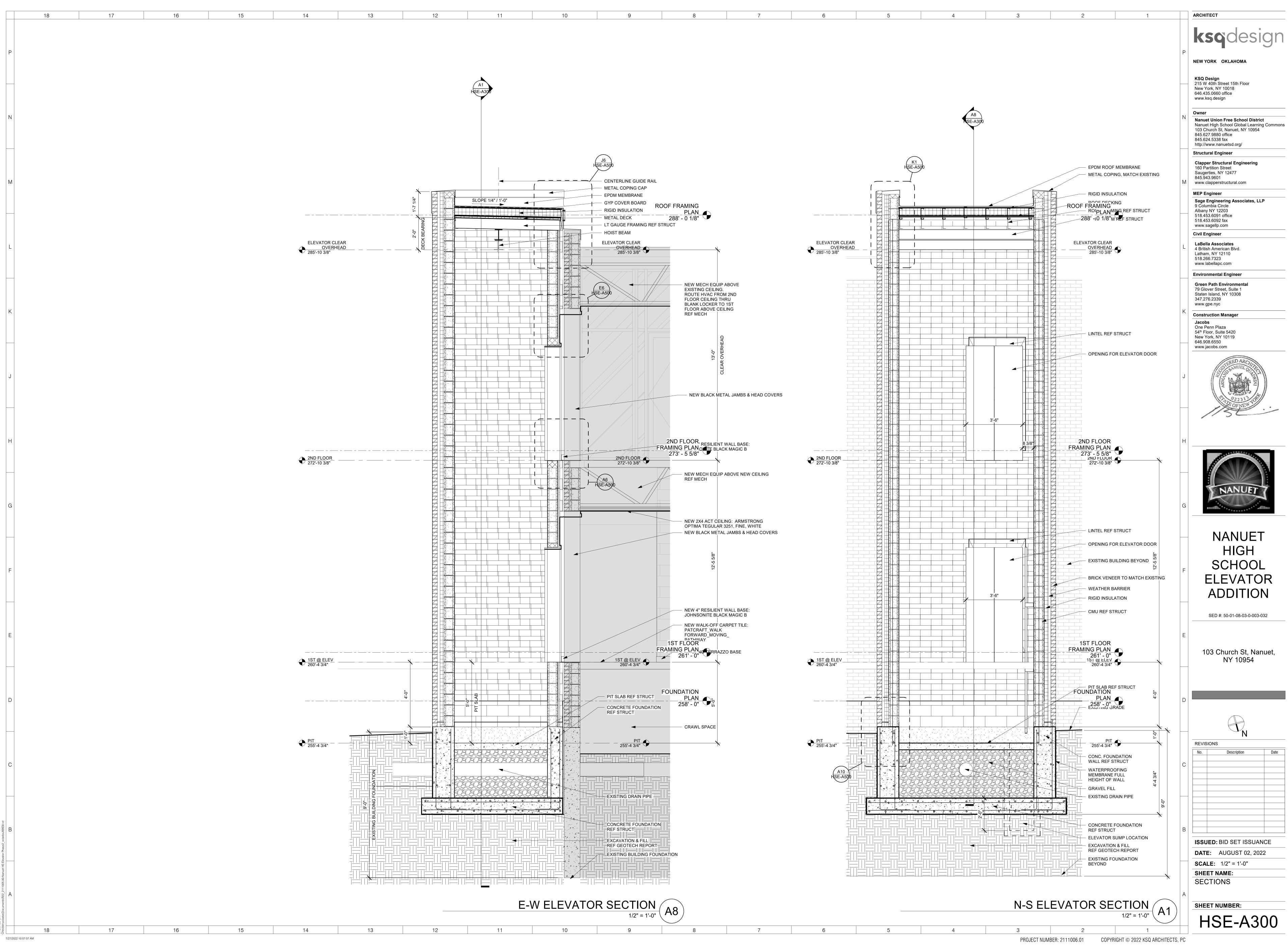
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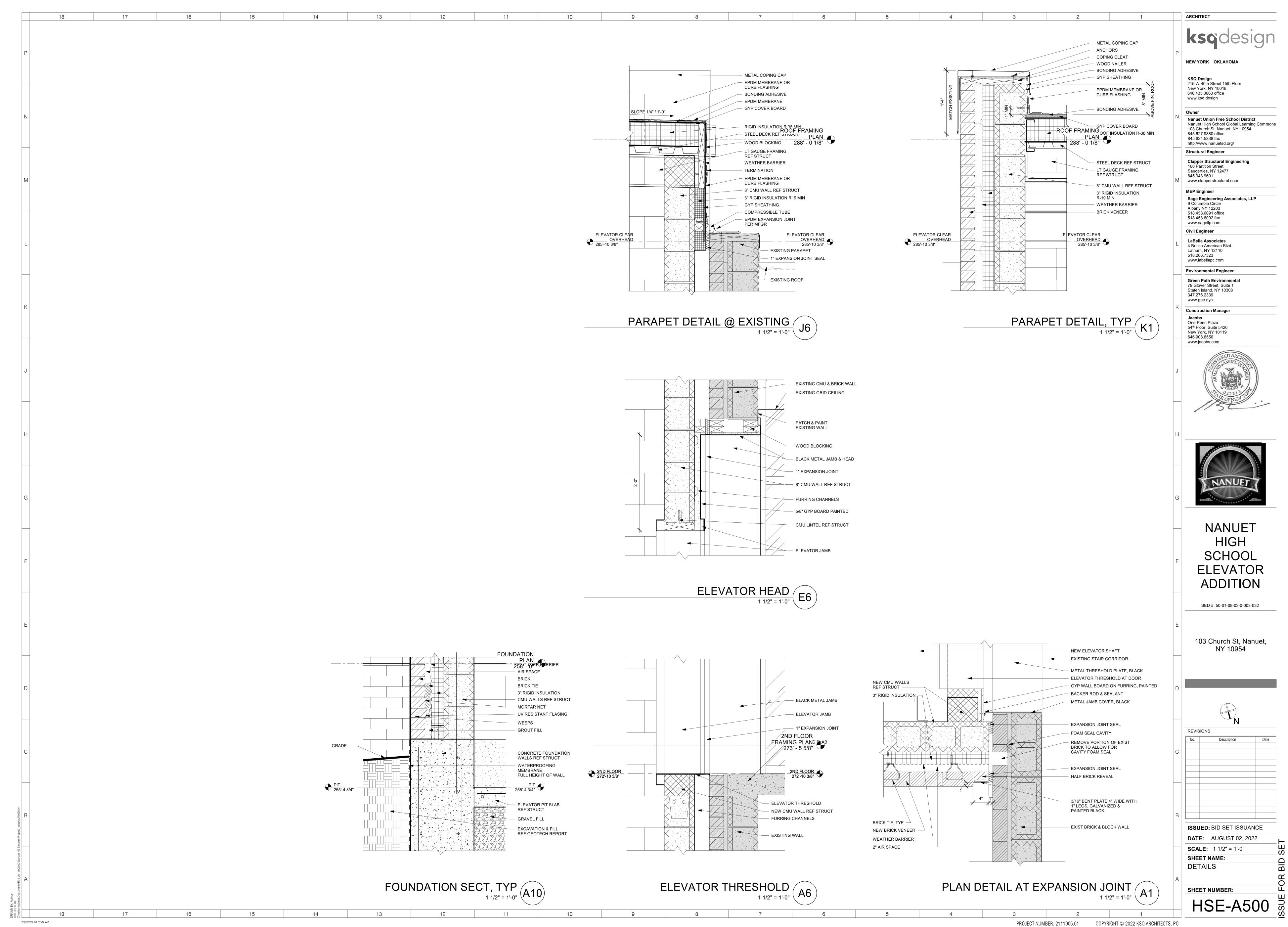
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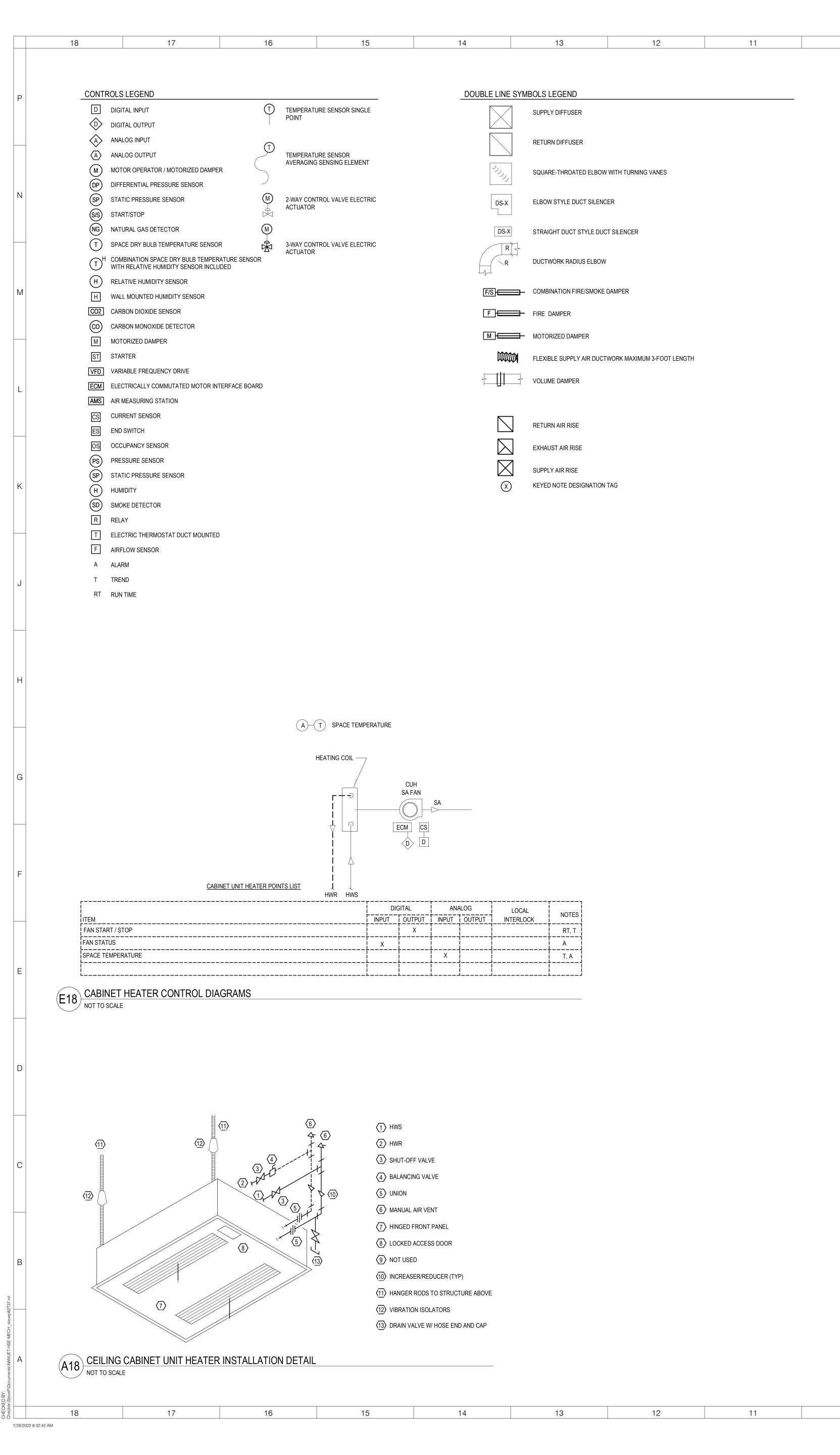


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**DATE:** AUGUST 02, 2022







SINGLE LINE SYMBOLS LEGEND ABBREVIATIONS LEGEND LMTD LOGARITHMIC MEAN TEMPERATURE DIFFERENCE AC AIR CONDITIONER STEAM PIPING ACCU AIR COOLED CONDENSING UNIT LWT LEAVING WATER TEMPERATURE AD ACCESS DOOR MAX MAXIMUM — SC— STEAM CONDENSATE PIPING AFF ABOVE FINISHED FLOOR MBH THOUSAND BTUH AFG ABOVE FINISHED GRADE MC MOTOR CONTROLLER — COOLING COIL CONDENSATE PIPING AHU AIR HANDLER UNIT MCA MINIMUM CIRCUIT AMPACITY APD AIR PRESSURE DROP MER MECHANICAL EQUIPMENT ROOM REFRIGERANT LIQUID PIPING AS AIR SEPARATOR MH MOUNTING HEIGHT ATS AIR TRANSFER SLEEVE MD MOTORIZED DAMPER AVG AVERAGE SPACE TEMPERATURE MIN MINIMUM BHP BRAKE HORSEPOWER MOP MAXIMUM OVERCURRENT PROTECTION 90 DEGREE PIPE ELBOW DOWN BTM BOTTOM N/A NOT APPLICABLE BTUH BRITISH THERMAL UNITS/HOUR NORMALLY CLOSED PIPE RISER UP SYMBOL BTU/H/LF BRITISH THERMAL UNIT/HOUR/ LINEAR FOOT MANUFACTURER MFG CAP CAPACITY NATURAL GAS DETECTOR → □ MID-PIPE DOWN CFM CUBIC FEET PER MINUTE NO NORMALLY OPEN CI CAST IRON NOL NON OVER LOADING PIPE CAP CO CARBON MONOXIDE SENSOR OA OUTSIDE AIR COND. CONDENSATE PIPING OAD OUTSIDE AIR DAMPER PIPE BREAK CONT. CONTINUATION OED OPEN END DUCT CP CONDENSATE PUMP OS&Y OPEN STEM & YOKE ——X—— PIPE ANCHOR CUH CABINET UNIT HEATER PUMP PLUMBING CONTRACTOR CW DOMESTIC COLD WATER ——G—— PIPE GUIDE CV CONTROL VALVE PRESSURE DROP VALVE COEFFICIENT PROPYLENE GLYCOL ——I|—— UNION DIFFUSER PHASE DB DRY BULB PARTS PER MILLION \_\_\_\_\_ FLOW DIRECTION DCW DOMESTIC COLD WATER PRESSURE REDUCING VALVE POUNDS PER SQUARE INCH //// PIPING/DUCTWORK/EQUIPMENT REMOVALS DDC DIRECT DIGITAL CONTROL DEG. F DEGREES FAHRENHEIT PSIG POUNDS PER SQUARE INCH GAUGE \_\_\_\_ CHECK VALVE DHWR DOMESTIC HOT WATER RETURN HEATING WATER RADIATION UNIT RETURN AIR DIA DIAMETER DN DOWN RETURN DIFFUSER ——— SHUTOFF BALL VALVE DS DUCT SILENCER RELIEF FAN 2-WAY MODULATING CONTROL VALVE DWDI DUAL WIDTH, DUAL INLET RELATIVE HUMIDITY DWG DRAWING RHG REFRIGERANT HOT GAS EA EXHAUST AIR REFRIGERANT LIQUID 2-WAY CONTROL VALVE EAT ENTERING AIR TEMPERATURE RPM REVOLUTIONS PER MINUTE E.C. EXPANSION COMPENSATOR HYDRONIC RADIANT HEAT PANEL 3-WAY MODULATING CONTROL VALVE EDB ENTERING DRY BULB REDUCED PRESSURE ZONE ASSEMBLY GATE VALVE CIRCUIT SETTER BALANCING VALVE - 2-1/2" SIZE AND UP EF EXHAUST FAN RETURN REGISTER EG EXHAUST GRILLE REFRIGERANT SUCTION EHC IN-DUCT ELECTRIC HEATING COIL RTU ROOF TOP UNIT CALIBRATED BALANCE VALVE CIRCUIT SETTER BALANCING VALVE - 2" SIZE AND BELOW EXPANSION LOOP SUPPLY AIR EXHAUST REGISTER STEAM CONDENSATE PIPING PRESSURE REDUCING VALVE ERV STATIC PLATE ENERGY RECOVERY VENTILATOR SQUARE FOOT ESP EXTERNAL STATIC PRESSURE SUPPLY DIFFUSER 3-WAY CONTROL VALVE ET EXPANSION TANK STATIC PRESSURE EWT ENTERING WATER TEMPERATURE STATIC PRESSURE SENSOR OR OR BUTTERFLY VALVE **FAHRENHEIT** SHORT RADIUS FORWARD CURVED STAINLESS STEEL RELIEF VALVE FIRE DAMPER STEAM PIPING FLA FULL LOAD AMPS SWSI SINGLE WIDTH SINGLE INLET PRESSURE RELIEF VALVE FLR FLOOR TEMP TEMPERATURE FO FLAT OVAL TRANSFER GRILLE AUTOMATIC AIR VENT FPM FEET PER MINUTE DUCTWORK TRANSITION FSD FIRE SMOKE DAMPER TSP TOTAL STATIC PRESSURE FT FIN TUBE TYP TYPICAL FT. OR' FEET UNIT HEATER OR PRESSURE GAGE F.T.R. FIN TUBE RADIATION VAV VARIABLE AIR VOLUME G GRILLE VEL VELOCITY OR - STRAINER VERT VERTICAL GAL GALLON OR THERMOMETER GPM GALLONS PER MINUTE VARIABLE FREQUENCY DRIVE GRV GRAVITY RELIEF VENTILATOR VARIABLE REFRIGERANT FLOW H HOOD WIDTH POINT OF CONNECTION HEF HOOD EXHAUST FAN WET BULB HEX HEAT EXCHANGER WATER COLUMN POINT OF DISCONNECTION HP HORSEPOWER WATER PRESSURE DROP H&V HEATING AND VENTILATION WH WATER HEATER HW DOMESTIC HOT WATER HWP HOT WATER PUMP HWR HOT WATER RETURN HWS HOT WATER SUPPLY HZ HERTZ IN OR " INCHES INT INTERNAL KEF KITCHEN EXHAUST FAN KW KILOWATT L LENGTH LAT LEAVING AIR TEMPERATURE LBS POUNDS
LDB LEAVING DRY BULB
LF LINEAR FOOT

CABINET UNIT HEATER SCHEDULE

SECOND FLOOR CORRIDOR

1.PROVIDE WITH UNIT MOUNTED DISCONNECT SWITCH AND ELECTRICALLY COMMUTATED FAN MOTOR.

CUH-HS-1 FIRST FLOOR ELEVATOR LOBBY FULLY RECESSED WITH BOTTOM INLET AND OUTLET

FULLY RECESSED WITH BOTTOM INLET AND OUTLET

 CFM
 ELECTRICAL DATA
 CAPACITY (MBH)

 430
 115
 1
 0.45 A
 1/15
 23.2

**NEW YORK OKLAHOMA** 

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**NANUET** HIGH SCHOOL **ELEVATOR** SED #: 50-01-08-03-0-003-032

103 Church Street Nanuet, NY 10954

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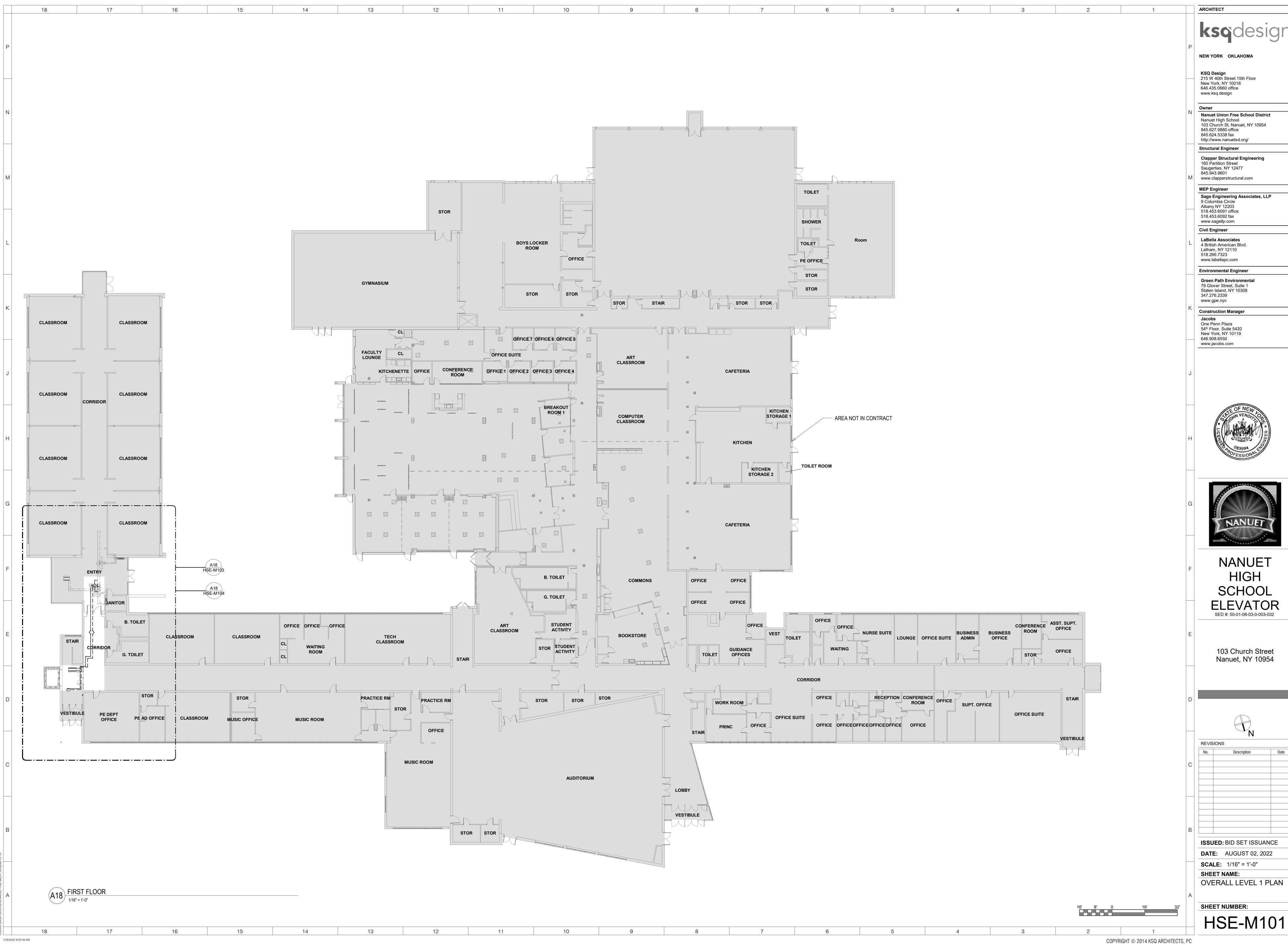
SHEET NAME: SYMBOLS LEGEND, ABBREVIATIONS AND SCHEDULES **SHEET NUMBER:** 

HSE-M001

TEMP EWT TEMP LWT GPM WPD (FT)

40% PROPYLENE GLYCOL 180 °F 158.4 °F 1.5 0.15 STERLING RC-1200-02

23.2 40% PROPYLENE GLYCOL 180 °F 156.8 °F 2.5 0.41 STERLING RC-1200-04



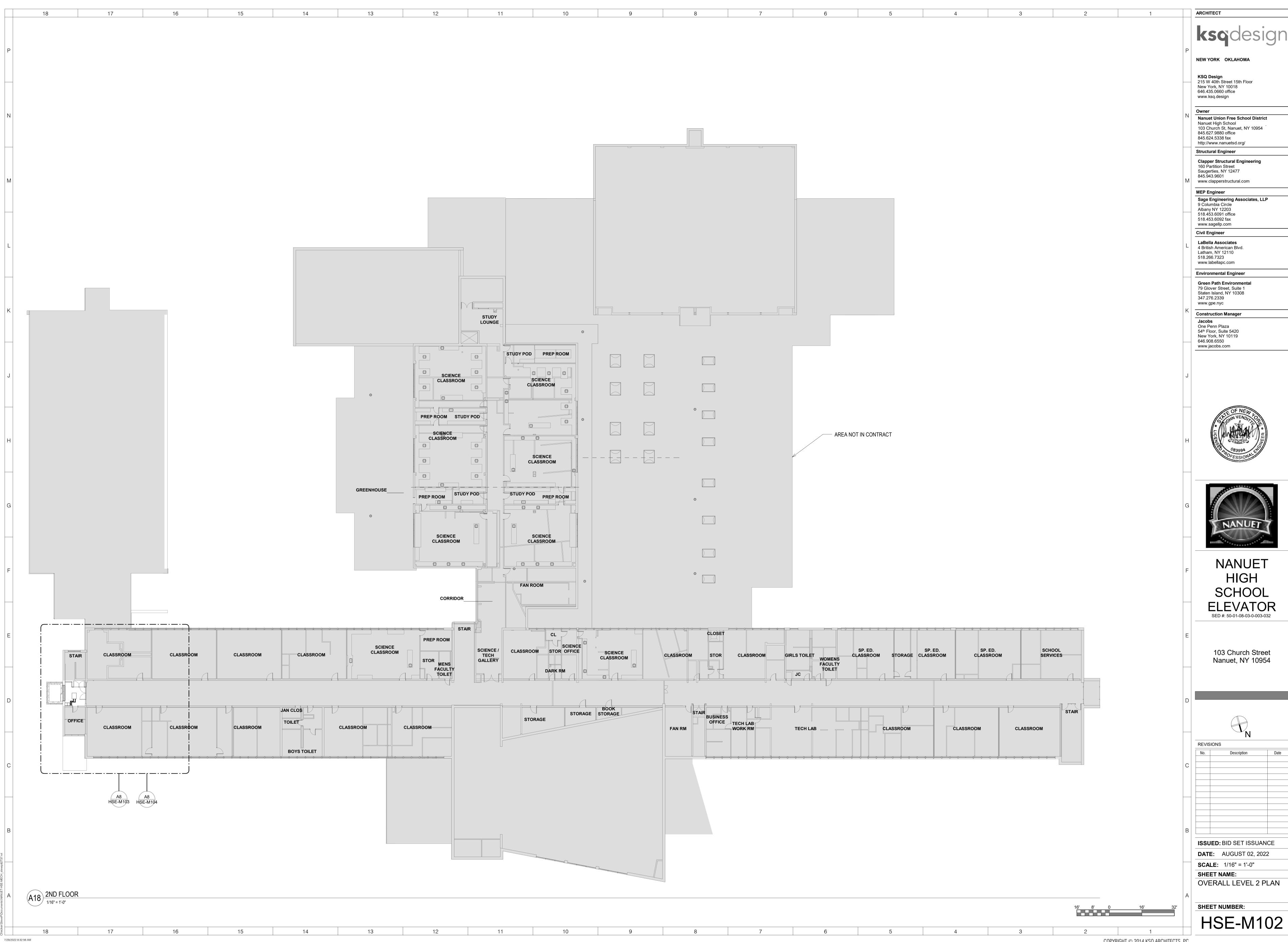
7/29/2022 8:32:49 AM





**ELEVATOR** SED #: 50-01-08-03-0-003-032

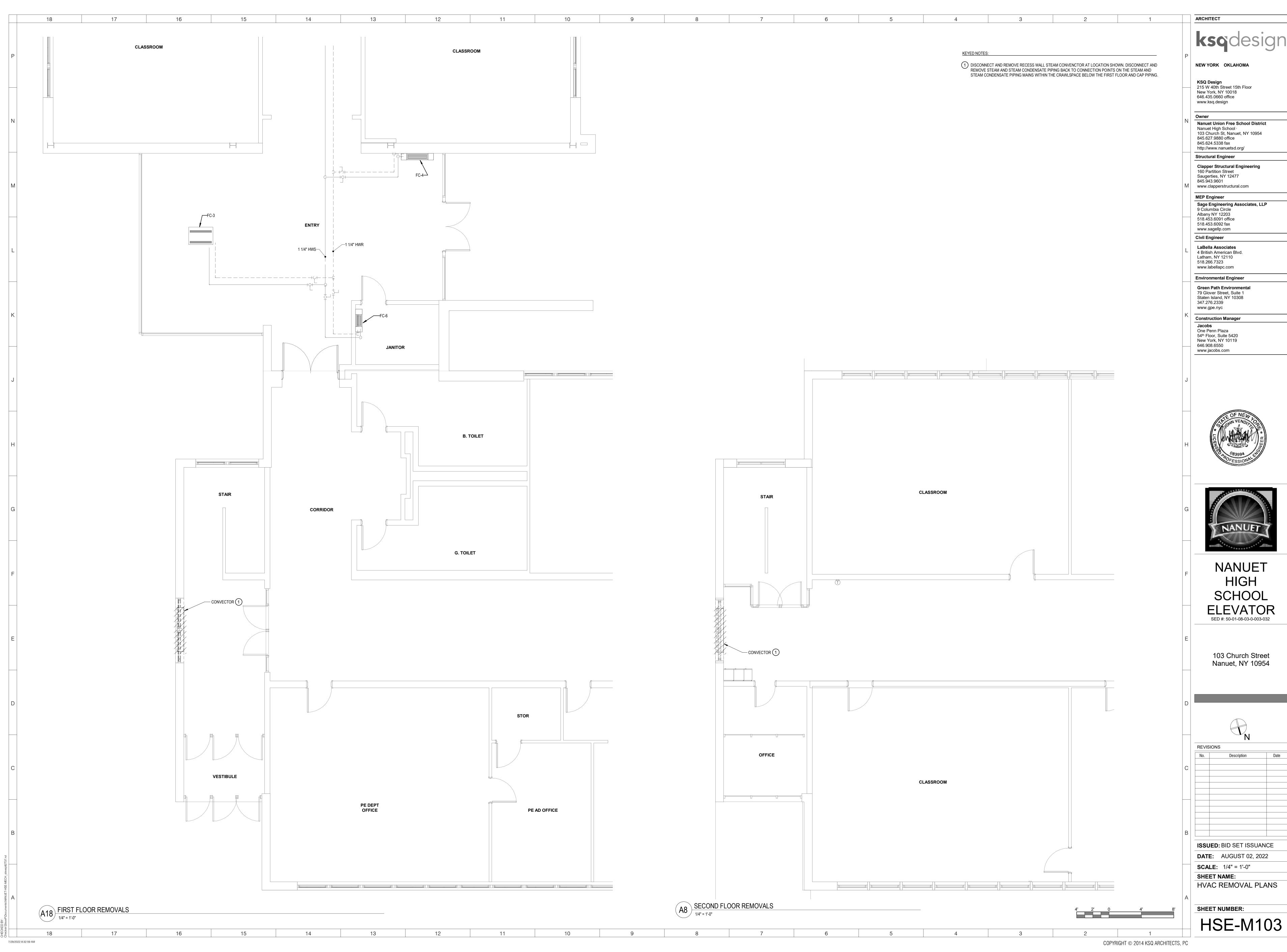
**ISSUED:** BID SET ISSUANCE





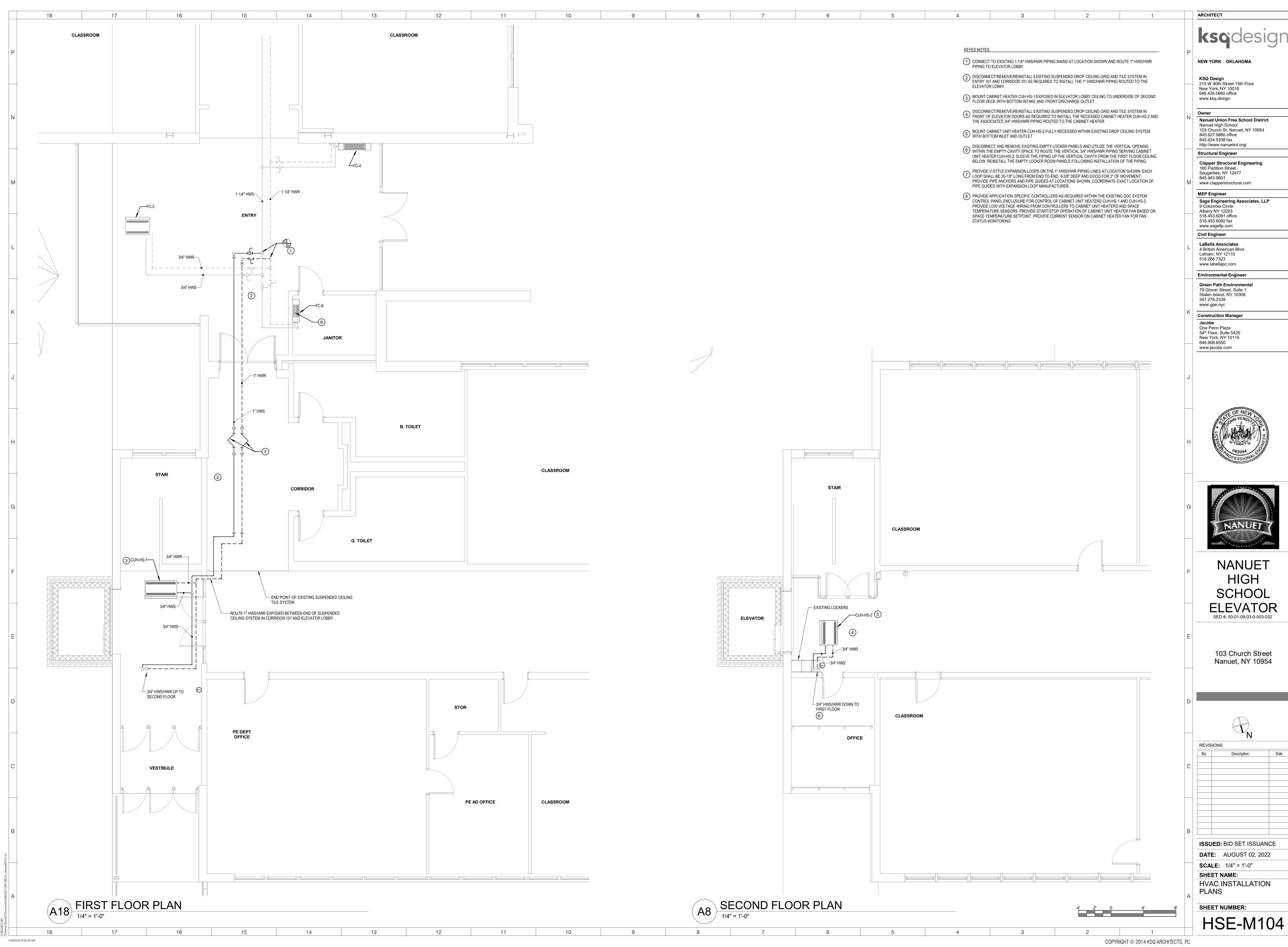


**ISSUED:** BID SET ISSUANCE



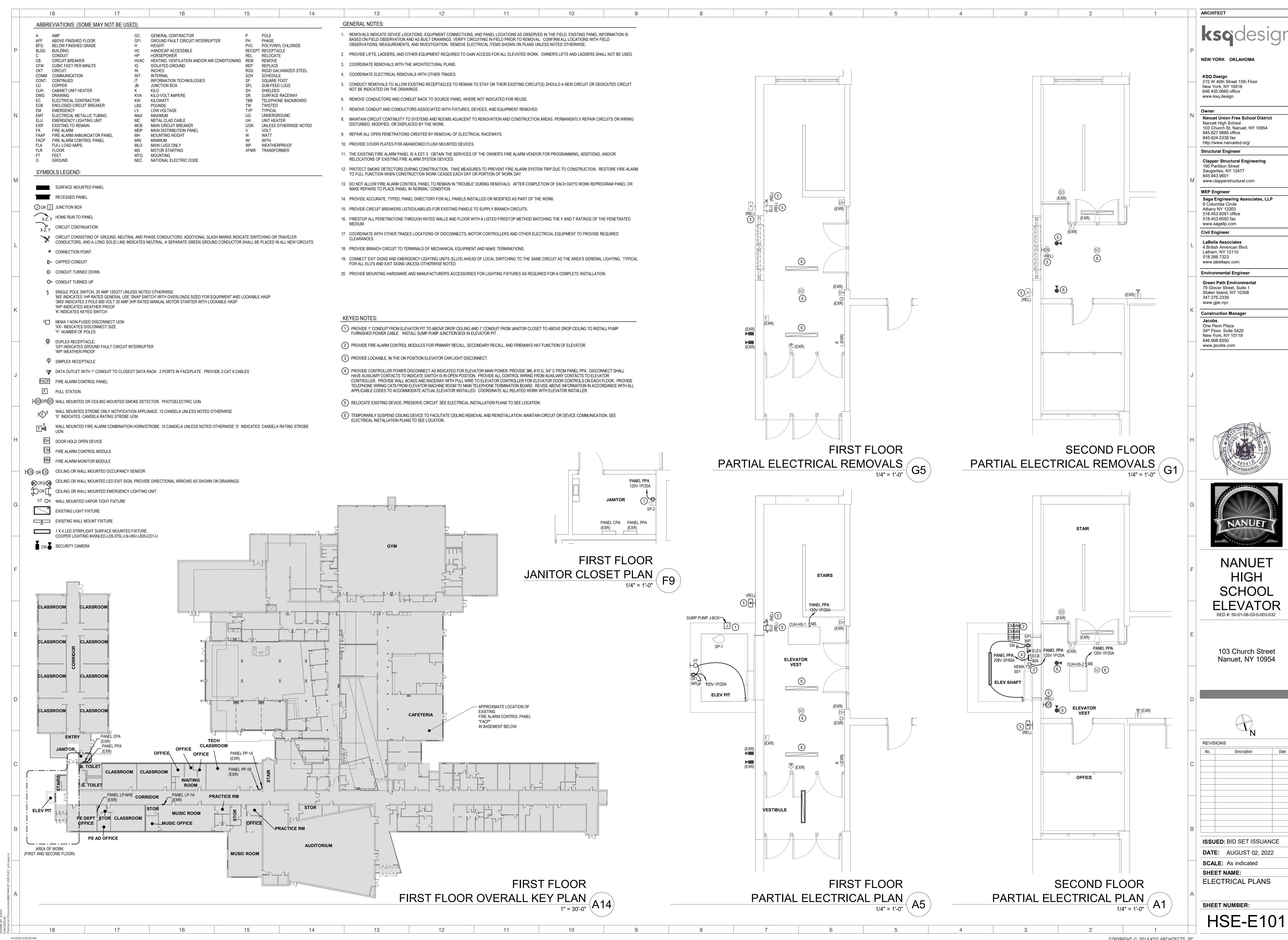




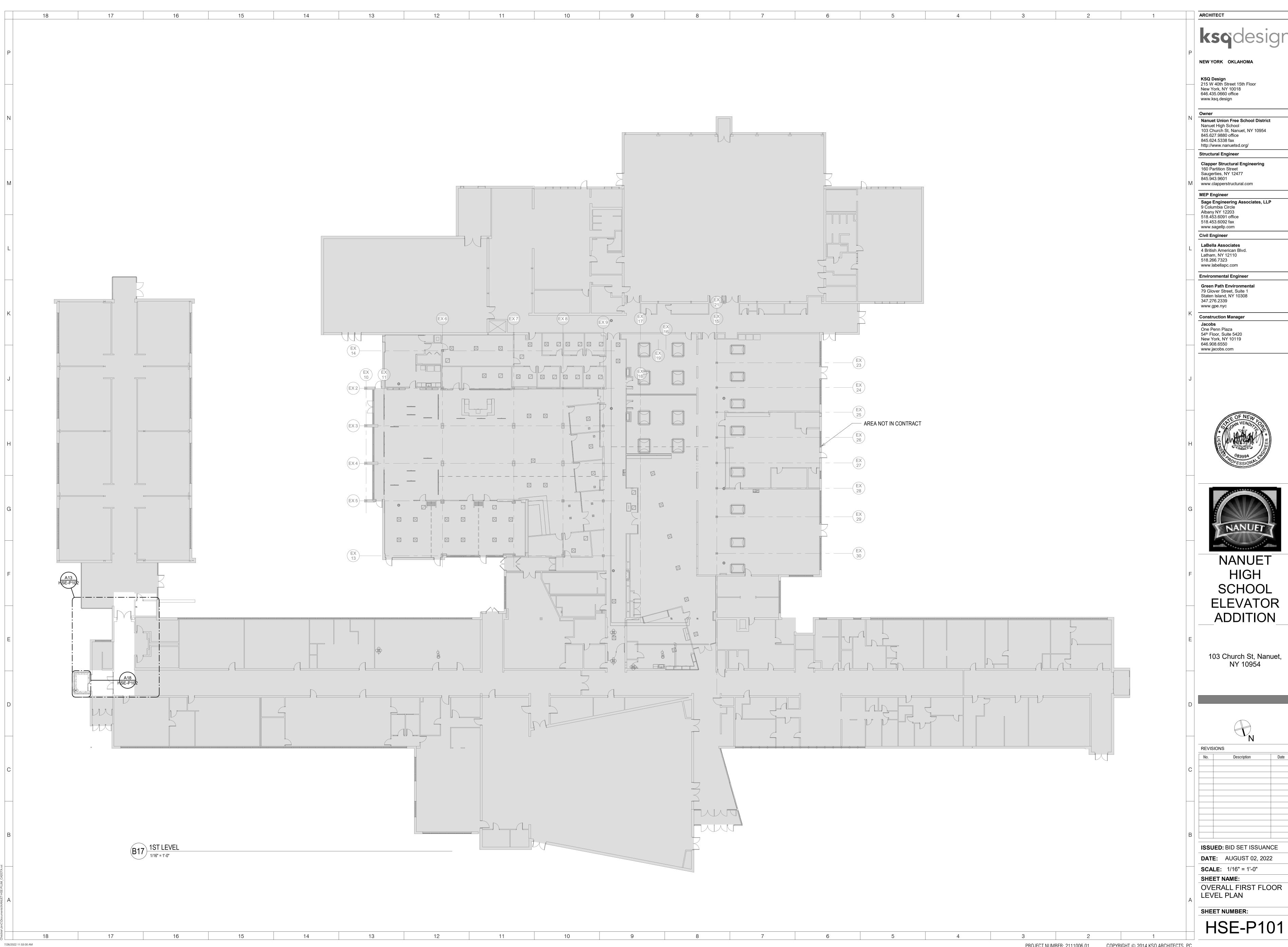






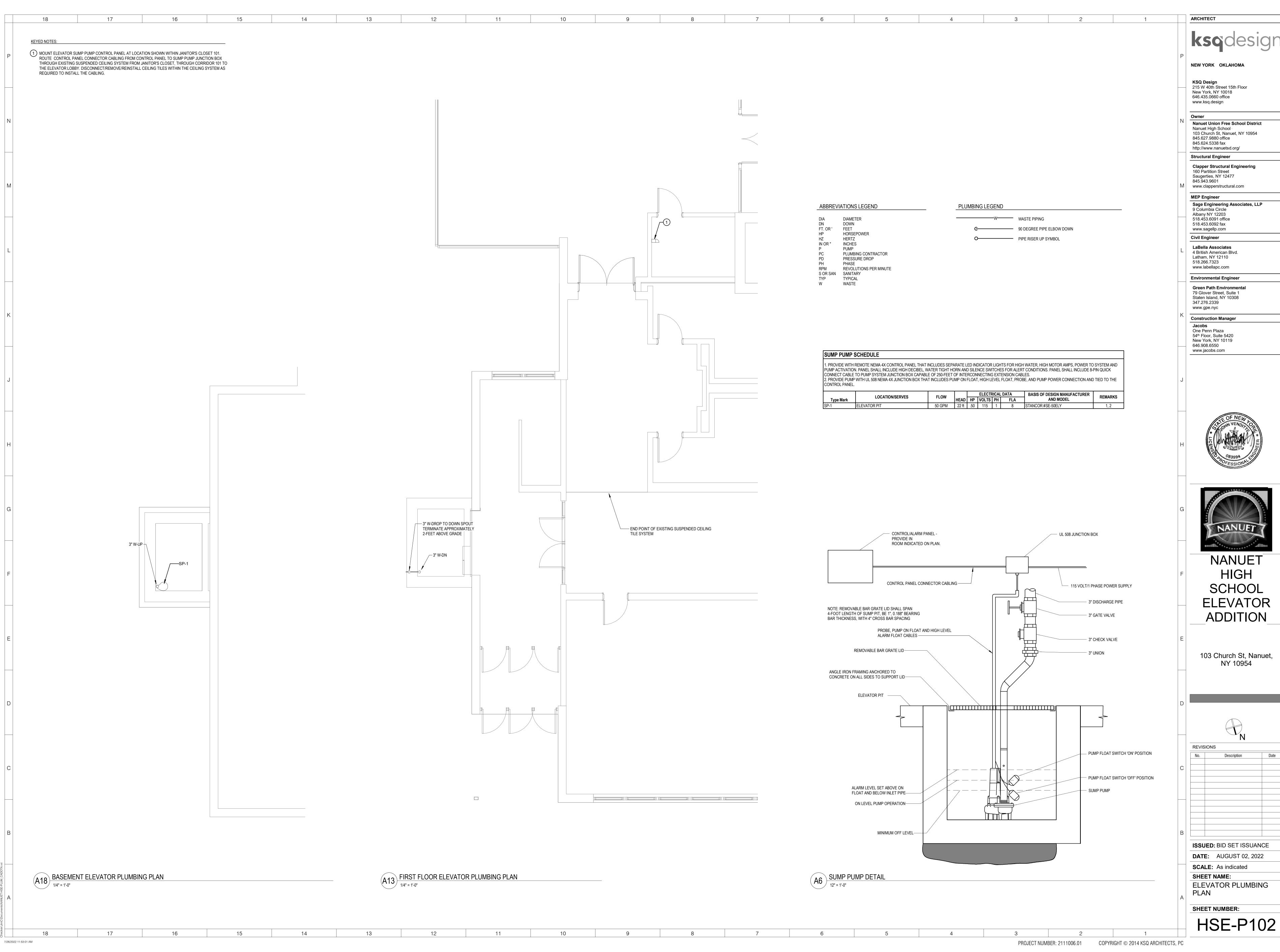












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Nanuet Union Free School District 103 Church St, Nanuet, NY 10954

Clapper Structural Engineering

Saugerties, NY 12477

Sage Engineering Associates, LLP 9 Columbia Circle

4 British American Blvd.

Environmental Engineer **Green Path Environmental** 79 Glover Street, Suite 1

Construction Manager

One Penn Plaza 54<sup>th</sup> Floor, Suite 5420 New York, NY 10119





NANUET HIGH SCHOOL ELEVATOR ADDITION

103 Church St, Nanuet, NY 10954

N				
REVIS	SIONS			
No.	Description	Date		
<b>ISSUED:</b> BID SET ISSUANCE				

**DATE:** AUGUST 02, 2022

**SCALE:** As indicated

**ELEVATOR PLUMBING**