

Innovation • Inspiration • Excellence for All

One Larkin Center Yonkers, New York 10701 Tel. 914 376-8008 Fax 914 376-8620 mpelliccio@yonkerspublicschools.org

Aníbal Soler, Jr. Superintendent of Schools

Dr. Frank Hernandez Associate Superintendent

Michael J. Pelliccio Executive Director School Facilities Management

(2) - PAGES TOTAL

- TO: PROSPECTIVE PROPOSERS
- DATE: March 21, 2025
- FROM: Lee Pavone, P.E., Senior Mechanical Engineer, School Facilities Management
- **RE:** Request for Proposal RFP No. 420-25-01, School Entrance/Egress Restoration at School 23, Family School 32 and Enrico Fermi School and Lincoln High School

ADDENDUM No. 2:

The contents of this addendum alter and amend the original RFP requirements and take precedence over the related items therein. This addendum forms a part of the RFP documents. Proposer's must acknowledge receipt of all addenda when submitting their proposals. Failure to acknowledge receipt may render your proposal non-responsive and ineligible for assignment. Proposers are responsible for ensuring that they receive all addenda.

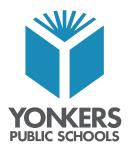
- 1. Delete the concrete column repair scope of work at the Lincoln High School.
- 2. The RFP response date remains March 27, 2025 at 3:00 pm.
- 3. End of Addendum 2

Return this document with your proposal to: Mr. Lee Pavone, Senior Mechanical Engineer, School Facilities Management https://www.upavone.org School Schoo

Proposer's Firm:_____

Address:___

Proposer's Representative:		
Title:		
E-mail:	Signature:	Date:



Innovation • Inspiration • Excellence for All

One Larkin Center Yonkers, New York 10701 Tel. 914 376-8008 Fax 914 376-8620 mpelliccio@yonkerspublicschools.org

Aníbal Soler, Jr. Superintendent of Schools

Dr. Frank Hernandez Associate Superintendent

Michael J. Pelliccio Executive Director School Facilities Management

- (5) PAGES TOTAL
- TO: PROSPECTIVE PROPOSERS
- DATE: March 10, 2025
- FROM: Lee Pavone, P.E., Senior Mechanical Engineer, School Facilities Management
- **RE:** Request for Proposal RFP No. 420-25-01, School Entrance/Egress Restoration at School 23, Family School 32 and Enrico Fermi School and Lincoln High School

ADDENDUM No. 1:

The contents of this addendum alter and amend the original RFP requirements and take precedence over the related items therein. This addendum forms a part of the RFP documents. Proposer's must acknowledge receipt of all addenda when submitting their proposals. Failure to acknowledge receipt may render your proposal non-responsive and ineligible for assignment. Proposers are responsible for ensuring that they receive all addenda.

1. The Consultant shall include concrete stair replacement and masonry column repairs at the Lincoln High School.

The concrete stairs to be replaced are the stairs at the south end of the building allowing travel from the Staff Parking lot to the Ground Floor Shop Classroom egress area.

The consultant will be required to perform the structural investigations and designs for the repairs to the concrete columns supporting the overhanging saw-toothed classrooms.

See 2020 BCS drawings included with this addendum.

2. The Consultant shall replace the Fee Schedule with the Fee Schedule issued under this Addendum 1 below.

	I		ABLE 3.01		
RFP 420-25-01	School Entrance/Egress Restoration at School 23, Family School 32, Enrico Fermi School and Lincoln High School PROPOSED PROGRESS SCHEDULE AND LUMP SUM FEES FOR BASIC SERVICES				
PROJECT PHASE	DURATION (Weeks)	School 23 FEE Budget \$250,000 (including soft costs)	Family School 32 FEE Budget \$400,000 (including soft costs)	Enrico Fermi School FEE Budget \$300,000 (including soft costs)	Lincoln High School FEE Budget \$150,000 (including soft costs)
Kick-off					
Schematic Design					
Design Development					
SED Submission & Construction Documents					
Bidding and Negotiation	N.A.	N.A.	N.A.	N.A.	N.A.
Construction Administration	N.A.	N.A.	N.A.	N.A.	N.A.
Additional Services Reimbursables Consultants Proposed Markup%	N.A.	\$8,500.00	\$8,500.00	\$8,500.00	\$15,000.00
TOTAL					

TOTAL SUM OF THIS PROPOSAL _____

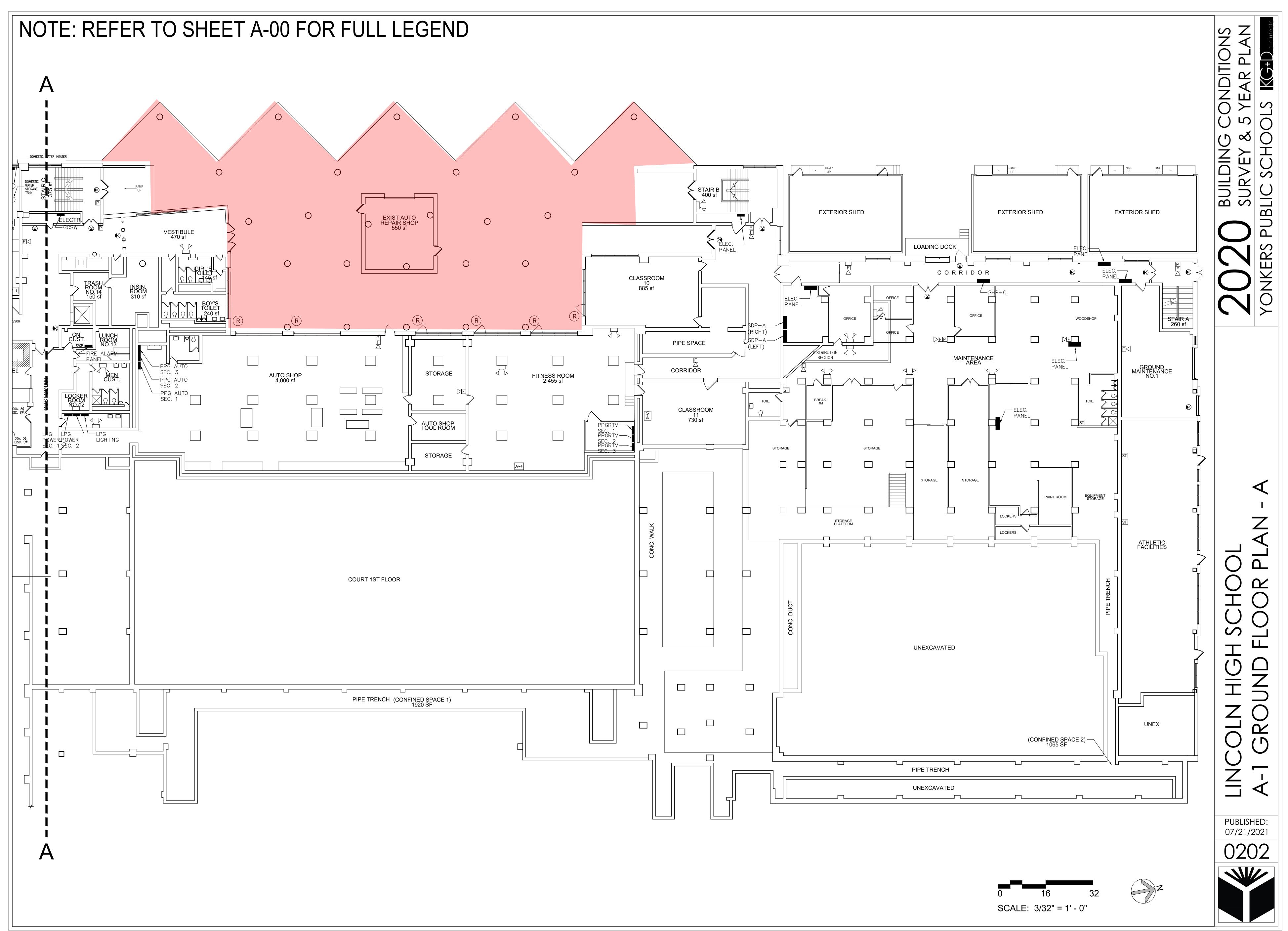
Architect or Engineer

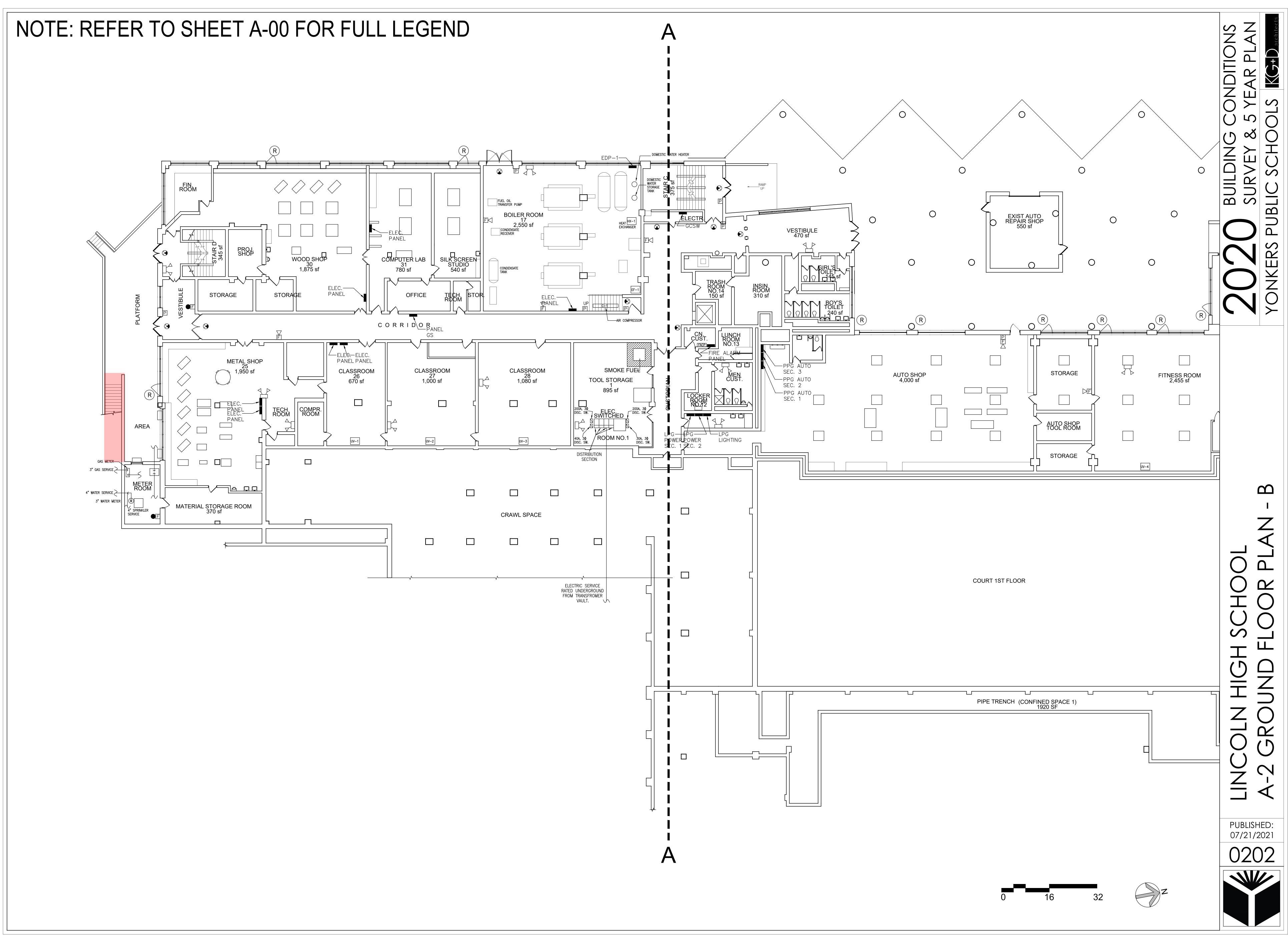
(printed name of proposer)

- 3. The RFP response date is revised from March 21, 2025 at 3:00 pm to March 27, 2025 at 3:00 pm.
- 4. End of Addendum 1

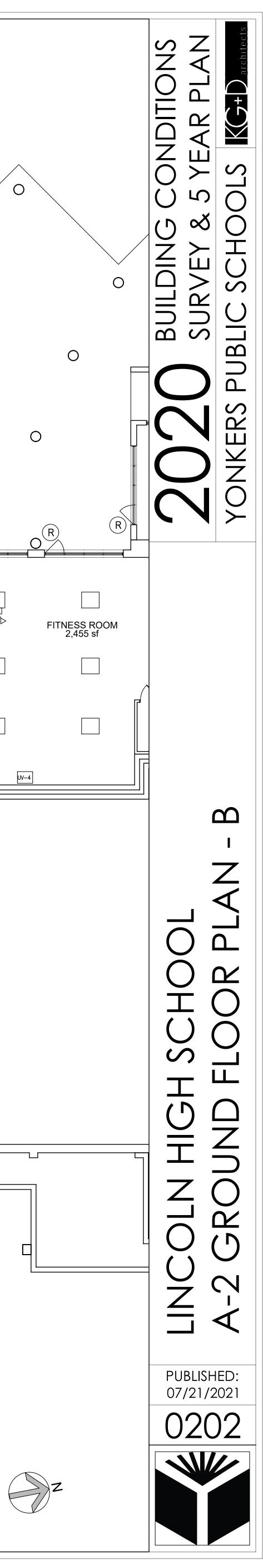
Return this document with your proposal to: Mr. Lee Pavone, Senior Mechanical Engineer, School Facilities Management https://www.lpavone@yonkerspublicschools.org

Proposer's Firm:			
Address:			
Proposer's Representative:			
Title:			
E-mail:	Signature:	Date:	













CITY OF YONKERS / YONKERS PUBLIC SCHOOLS SCHOOL FACILITES MANAGEMENT

One Larkin Center – 3rd floor Yonkers, NY 10701 Phone: 914.376.8008

Request for Proposal RFP No. 420-25-01 Architectural/Engineering Design Services

School Entrance/Egress Restoration at School 23, Family School 32 and Enrico Fermi School

For Issue on February 28, 2025 Response Due Date: March 21, 2025 at 3:00 pm

This is a request for proposals (RFP) to perform Architectural/Engineering Services for the School Facilities Management Dept. (SFMD) of the Yonkers Public Schools (YPS). This RFP will be the basis, in part or in whole, of an Agreement between the successful proposer and the YPS for the work described at the rates and schedule proposed herein and/or as amended by negotiation.

Submit proposals electronically via email to:

Lee Pavone, Senior Mechanical Engineer, School Facilities Management <u>lpavone@yonkerspublicschools.org</u>

PART 1 - THE CONSULTANT'S RESPONSIBILITIES 1.01 BASIC SERVICES

The selected Architect or Engineer hereinafter referred to as the "Consultant", shall perform

the normal architectural, structural, civil, mechanical and electrical engineering services as deemed necessary to insure a complete biddable and permitted design. All design shall be in accordance with all Federal, State (State Education Department, S.E.D.), County and local codes and regulations. The Consultant will complete, submit, and follow to approval all forms and paper processes required by the New York State Education Department from the LOI to project closeout including all Change Orders and Certificates of Substantial Completion (CSC).

The selected Architectural/Engineering Firm hereinafter referred to as the "Consultant", shall perform the scope of services as outlined in RFP-483 and Part 1 of this RFP.

1.02 PROJECT BUDGET

The budget for School Entrance/Egress Restoration at School 23 is estimated to be \$250,000, Family School 32 is estimated to be \$400,000 and Enrico Fermi School is estimated to be \$300,000. The consultant is to review the scope of work below and comment on the sufficiency of this sum in his/her response.

1.03 PROJECT SCOPE

School 23: the consultant shall investigate the deterioration of the concrete stairs, landings and ceilings at the school's entrance/egress Vestibules #26 & #44, exterior and interior and provide the required restorative designs. The Storage spaces below (formally showers) shall include restoration of interior finishes (plaster repair & painting) and requisite lighting, power, Fire Alarm, and plumbing affected by the restoration work. The shower plumbing can be capped and abandoned in place.

Family School 32: the consultant shall investigate the deterioration of the concrete stairs and landing at the school's Main Entrance and one egress Vestibule and provide the required restorative designs. Additional scope for this school shall include:

- Replacing corroded electrical conduit and back boxes and new hangers and supports for existing electrical conduit and HVAC piping located in the vicinity of the crawlspace tunnel below the main entrance.
- Restoration of one structural concrete column and footing in the crawl space dirt cellar.

Enrico Fermi School: the consultant shall investigate the deterioration of the concrete stairs, landings and interior Vestibule at the school's Main Entrance and provide the required restorative designs. The interior main entrance vestibule shall include restoration of interior finishes and lighting.

The designs for all schools shall include all requisite structural repairs, water proofing, hazardous material abatement, restoration of adjacent finishes (painting, stucco & tiled finishes), and railings where applicable.

See attached 2020 Building Condition Survey Drawings of drawings showing locations of the scope of work at each school, highlighted in red.

1.04 ASBESTOS & HAZARDOUS MATERIALS ABATEMENT

The Consultant shall provide all labor and materials required to conduct pre-design environmental surveys of the appurtenant building features. This will include but is not limited to the cutting, sampling, testing and patching of roofing, flooring, masonry walls, caulking, insulation and other suspect materials. The cost for design, bidding and construction administration work shall be negotiated upon completion of the environmental surveys. The cost for asbestos surveys, sampling, labor laboratory testing, design, bidding & construction administration shall be compensated under the Additional Services & Reimbursable fee schedule, see Table 3.01 and Part 3.02.

1.05 BACKGROUND DATA

The following materials are available for viewing during the proposal phase and will be presented to the Consultant at the Kick-off meeting:

- 2020 Building Condition Survey.
- 2022 AHERA Asbestos Reports.
- Electronic (scanned) plans of the building.
- Basic floor plans on AutoCAD

1.06 DESIGN REVIEW MEETINGS

Design Review Meetings will be arranged, chaired and recorded in *minutes by the Consultant* for the presentation and discussion of the following topics and design deliverables:

Kick-Off Meeting: Attendees shall include the Consultant, sub-consultants, and SFMD.

Schematics Design Phase Review: Attendees shall include the Consultant, subconsultants, and SFMD. The Consultant shall schedule, conduct and record a second meeting, on site with the SFMD, the School's Principal and Custodian.

Design Development Phase Reviews: Attendees shall include the Consultant, sub-consultants, and SFMD.

Construction Documents Phase Review: Attendees shall include the Consultant, SFMD and staff from the Buildings and Grounds section of the SFMD.

Contractor Pre-Award Meeting: Attendees shall include the Consultant, subconsultants, SFMD and the apparent low bidder.

Pre-Construction Meetings: Two meetings shall be scheduled, back to back if possible. The first will include the Consultant, SFMD, B&G and the Contractor. The second shall include the school principal, custodian, local unions' representatives, and the Contractor.

Additional Meetings: The Consultant shall attend additional meetings with local government officials, the public, Board of Trustees and their representatives as

requested by YPS and billed in accordance with the Consultants Hourly Rates as listed in Part 3.03

Construction Progress Meetings: Job Meetings will be held every week during the prime construction season. Attendees are to include the Consultant, the Contractor, and the SFMD.

1.07 DELIVERABLES

All deliverables are to be transmitted in hardcopy and <u>electronically, in the programs with</u> <u>which they were created, unless otherwise noted.</u> The contract documents, plans, specifications and other data are to become the property of the YPS. Hold harmless documentation shall be furnished upon request.

Unless indicated otherwise, for each Phase of the Design Process, excluding the Kick-Off, the Consultant shall furnish and deliver:

- 1. Minutes for each and every meeting held with the District, electronically in ADOBE.PDF.
- 2. Drawing plans and specifications, electronically in ADOBE.PDF.
- 3. Cost Estimate broken down by Trade, which shall include but not be limited to GC, GC Site, HVAC, Plumbing and Electrical, electronically in Microsoft EXCEL.
- 4. SED Submission: Signed and sealed drawings, specifications and SED submission forms submitted in PDF.
- 5. For Construction Documents Phase: Electronic Bar Graph type Project Schedule including all major milestones and construction in Microsoft EXCEL or other acceptable means of scheduling projection.
- 6. Post Bid & Award: Provide Conformed Set of Construction Documents

1.08 PROJECT PHASES

There are five phases to this assignment: Kick-off to Schematic, Design Development, Construction Documents & SED Permit, Bidding & Negotiation and Construction Administration as further described:

1.08.01 KICK-OFF

The Consultant and SFMD shall review the above Project Milestones Dates and the times proposed for each task presented in Part 2.01 to set a firm project schedule. The Scope of Work shall be reviewed and set for inclusion in the Schematic Design. YPS will provide the Consultant with any and all drawings, files, condition surveys, maintenance histories, design reports or other pertinent information available. Pre-meeting site inspections by the Consultant are required and can be arranged through the SFMD. If it's not included on the list in 1.05 above, then it is not available.

1.08.02 SCHEMATIC DESIGN

Based on the mutually agreed upon program and project budget requirements determined in the Kick-Off Meeting, the Consultant will prepare the Schematic Design Documents consisting of drawings, reports and other documents illustrating the scale and relationship of the various project components, taking into consideration existing conditions and utilities, the YPS budget, design standards, any attachments to this RFP, and coordination with adjoining projects. The Consultant shall discuss and if so directed plan to undertake such exploratory work and survey as it deems necessary to insure a complete design.

Additional scope of work requested by the Principal or Head Custodian shall be presented to the SFMD for review.

The Consultant shall furnish structural, mechanical, electrical, chemical and other laboratory tests, inspections and reports as required for complete and accurate design. Unless indicated otherwise, the cost for this work is to be included in the sum proposed to complete Schematic Design, including the manufacturer's cut sheets for all major materials and equipment.

1.08.03 DESIGN DEVELOPMENT

Based on the approved Schematic Design Documents and any adjustments authorized by the YPS in the program or Project budget, the Consultant shall prepare Design Development Documents consisting of 95% complete plans, specifications and estimate. These shall establish the scope, and the size and character of the entire Project as to architectural, structural, civil, environmental (hazardous materials) mechanical and electrical systems/materials and such other elements as may be appropriate.

The plans will have a standard YPS cover sheet. The specifications will consist of general conditions and boiler plate bid sheets supplied to the Consultant by the YPS. *The Consultant is required to read, understand and comment on the efficacy of these documents.* NO changes are permitted without written agreement from the YPS.

The Consultant shall also be responsible for addressing Alternate Designs and Cost Estimates where the anticipated or requested design project costs exceed the YPS project budgets or where the Consultant can illustrate a more efficient design.

The Consultant shall submit manufacturer's submittal sheets for all revised proposed materials and equipment from the last submission.

1.08.04 CONSTRUCTION DOCUMENTS AND SED PERMIT

Based on the approved Design Development Documents the Consultant shall prepare and submit a building permit application package to the SED. Comments from the SED shall be transmitted to the YPS, incorporated into a revised building permit application as required and resubmitted to the SED for approval.

The Consultant shall analyze the time required to perform the above scope of work in schools and make recommendations and develop a phasing schedule for the bidding and construction administrations phases.

1.08.05 BIDDING AND NEGOTIATION N.I.C.

Upon issuance of the SED Building Permit and YPS acceptance of the FPS&E, the Consultant shall provide the following services to the YPS:

- 1. Submit via PDF drawings and specifications signed and sealed for YPS/COY Purchasing Department for posting for public bid on flash drive or CD.
- 2. After Bids are opened submit two (2) full size sets of drawings and specifications and two (2) sets of half size drawings to the YPS for its records. Drawings shall be buckbound and printed on white bond paper. Contract books shall be bound and include YPS milestone dates for Issuance, Pre-Bid Conference, Bid Opening, Construction Start/End and Duration. Documents shall include all issued Addenda. (Additional requests for printing of Plans and Specifications by YPS will be billed at direct cost with no mark up as a reimbursable.)
- 3. Assist in obtaining interested and qualified bidders.
- 4. Attend Pre-Bid Conference.
- 5. Be responsible for receiving, answering and recordkeeping of contractor Request for Information (RFI's). Upon completion of project the Consultant shall submit to the YPS an RFI log in chronological order.
- 6. Be responsible for addressing Addendums to cover responses to RFI's, where Design issues were overlooked and are considered to be part of the scope of work. The Consultant shall also be responsible for issuing Addendums for changes in scope of work requested by YPS. The request for additional work will be paid in accordance with Part 3, Paragraph 3.02 Compensation for Additional Services.
- 7. Perform an analysis of the low bid to determine if the bid is within an acceptable range and perform reference checks, pre-award interviews for determination of a Responsive Bidder. The Consultants sub-consultants shall attend contractor pre-award interviews.

1.08.06 CONSTRUCTION ADMINISTRATION WITH A 3RD PARTY CONSTRUCTION MANAGER. N.I.C.

- 1. Prepare and issue Conformed Set of Construction drawings.
- 2. The Construction Phase will commence with the award of the contract to the Contractor and the issuance of a Notice to Proceed by the SFMD. It will end with the acceptance of the Certificates of Substantial Completion and issuance of all contract change orders to SED.
- 3. The Consultant's and Sub-Consultant shall visit the site on an average of four (4) times per month during peak construction periods and attend each and every progress meeting as scheduled by the CM. The site visits may coincide with the progress

meetings but the designer will be required to perform detailed inspections of the work in progress at every site visit.

- 4. On the basis of such on-site observations, the Consultant shall keep the YPS and the CM informed of the progress and quality of the Work, and shall endeavor to guard the YPS against defects and deficiencies of the Work of the Contractors. The observance of progress, workmanship, on-site materials, deficiencies or defects shall be promptly reported weekly in writing to the YPS and Construction Manager (CM) and for issue to the Contractor by the CM.
- 5. The Consultant will be responsible for answering and recording contractor Request for Information (RFI's) through the CM.
- 6. The Consultant shall review and approve or take other appropriate action upon the Contractor's submittals such as Shop Drawings, Product Data and Samples including Color Schedules, but only for conformance with the design concept of the Work and with the information given in the Contract Documents. Such action shall be taken in accordance with the Contract Documents regarding reasonable promptness so as to cause no delay per the Contract Specifications. The Consultant shall maintain the shop drawing submittal log.
- 7. The Consultant shall review the Operations and Maintenance Manual prepared by the Contractor in accordance with the manufacturer's recommendations.
- 8. The Consultant shall sign off in approving Contractor payments and Change Orders. Consultant shall provide technical writing explaining in detail, the reason for each and every change order needed to complete the scope of work. Consultant will provide and execute all SED required submittal for Changer Orders.
- 9. The Consultant will perform a detailed inspection of the contractors completed Work and provide a detailed report (punch list) of deficiencies to be corrected to the CM and to the YPS and revisit and re-inspect to confirm that punch list items are corrected and completed.
- 10. The Consultant shall participate in the commissioning of the Work, witness the Contractors' final testing and start-up of all utilities, operational systems and equipment in accordance with the plans and specifications.
- 11. The Consultant will complete, submit, and follow to approval all forms and paper processes required by the SED, from the LOI to project closeout including all Change Orders.
- 12. The Consultant shall perform an evaluation of the Contractor's performance in accordance with Article 49 of the School Facilities Management Contract Manual and Specifications.

13. The Consultant's obligation to provide Basic Services under this Agreement, will terminate when final payment to the Contractor is approved by the YPS, or in the absence of a final Certificate for Payment or of such due date, sixty (60) days after the Date of Completion of the Work, whichever occurs first.

1.09 ADDITIONAL SERVICES

Additional services shall be provided if authorized or confirmed in writing by the YPS, and they shall be paid for by the YPS, in addition to the compensation for Basic Services, only as provided in a duly authorized written amendment to this agreement signed by an authorized representative of each of the parties. These services may or may not be related to the project described herein, as directed by the SFMD.

PART 2 – GENERAL SUBMISSION REQUIREMENTS AND FORMAT

2.01 RFP/CONTRACT AWARD TIMETABLE (ANTICIPATED)

Issuance Date:	February 28, 2024
Pre-Response Conference:	March 10, 2025 at 9:30 am
	First to School 23 Main Entrance
	56 Vancortlandt Park Ave Yonkers, 10701. Then to
	Family School 32
	1 Montclair Place, Yonkers, 10710
Questions cut-off date:	Not Applicable
Response Due Date:	March 21, 2025 at 3:00 pm
BOE Approval:	May 2025

PART 3 – FEE PROPOSAL

3.01 COMPENSATION FOR BASIC SERVICES

For Basic Services as described in Part 1 the proposed compensation shall be the Total Project, Lump Sum as tabulated below: (Reminder: All printing required at various Phases is to be included as part of the consultant's overhead, built into the Lump Sum Fee for Basic Services; however, it is to be broken out separately on the form below).

The last <u>5% of the construction administration fee</u> shall be withheld from Consultants payment until the all closeout documents and contractor final payments have been received and all NYSED certificates of substantial completion and change orders have been received by NYSED and YPS.

3.02 COMPENSATION FOR ADDITIONAL SERVICES AND REIMBURSABLES

For additional services of the Consultant, beyond the scope of work described herein, the Consultant shall be compensated per a negotiated lump sum or by a time and material basis as per the discretion of the YPS.

Unless indicated otherwise, all extraneous expense, such as labor for asbestos surveys and sampling and laboratory testing of environmentally hazardous materials, special inspections,

additional printing or increase in deliverables beyond that listed elsewhere, incurred by the Consultant that are directly and solely required to complete the work in this proposal will be reimbursed by the YPS at direct costs plus the consultant's proposed markup. The Original receipts are required to receive reimbursement. Travel, lodging and meals will not be compensated without prior written authorization to do so by the YPS.

The Consultant shall include on separate letter head a proposal of unit prices for all required hazardous material survey and sampling labor and laboratory testing rates.

Additional services and Reimbursable will be paid out of funds set aside solely for that purpose. These funds are to be used at the discretion of the YPS and are not to be considered part of the contract total.

		TABLE	3.01		
RFP 420-25-01	School Entrance/Egress Restoration at School 23, Family School 32 and Enrico Fermi PROPOSED PROGRESS SCHEDULE AND LUMP SUM FEES FOR SERVICES				
PROJECT PHASE	DURATION (Weeks)	School 23 FEE Budget \$250,000 (including soft costs)	Family School 32 FEE Budget \$400,000 (including soft costs)	Enrico Fermi School FEE Budget \$300,000 (including soft costs)	
Kick-off					
Schematic Design					
Design Development					
SED Submission & Construction Documents					
Bidding and Negotiation	N.A.	N.A.	N.A.	N.A.	
Construction Administration	N.A.	N.A.	N.A.	N.A.	
Additional Services Reimbursables Consultants Proposed Markup%	N.A.	\$8,500.00	\$8,500.00	\$8,500.00	
TOTAL					

TOTAL SUM OF THIS PROPOSAL

Architect or Engineer

(printed name of proposer)

3.03 HOURLY PAYMENT RATES FOR VARIOUS TITLES

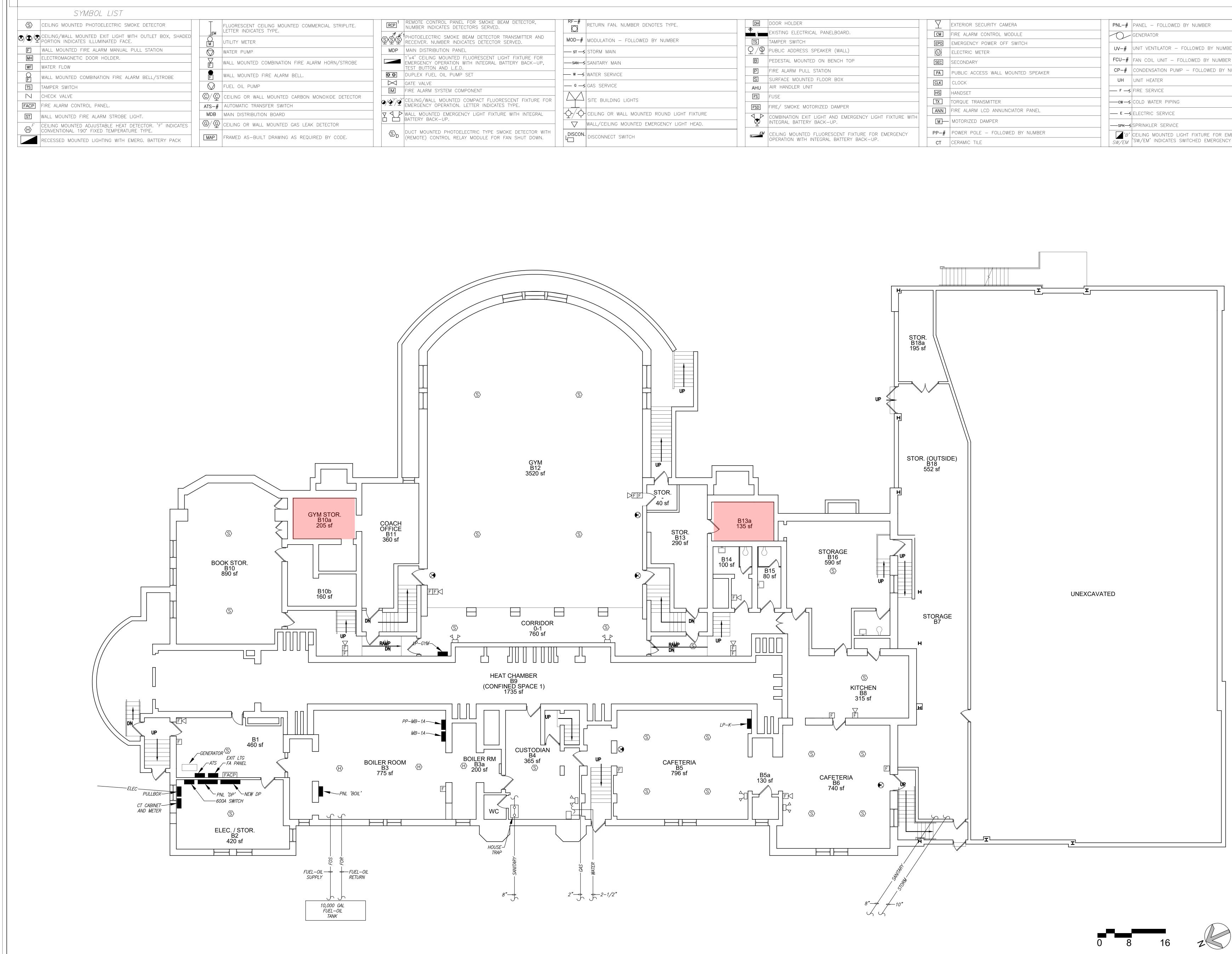
The Consultant will be compensated for time and material work beyond the original scope of work at the rates submitted under their "On-Call" AE Services Contract RFP-483.

3.04 PAYMENTS

Unless indicated otherwise, payments for services shall be billed and payable on a monthly basis. All requests for payment (requisitions) *must include the following*:

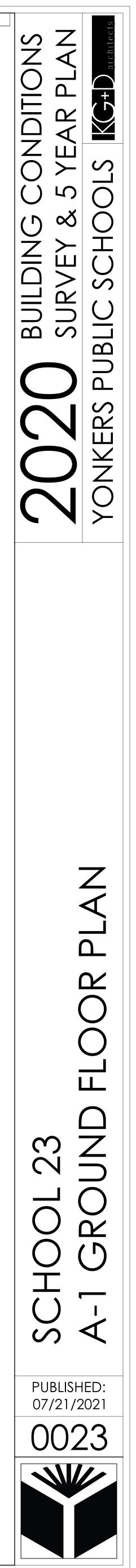
1. Cover letter on the Consultant's letterhead with original signature requesting payment. This letter must indicate:

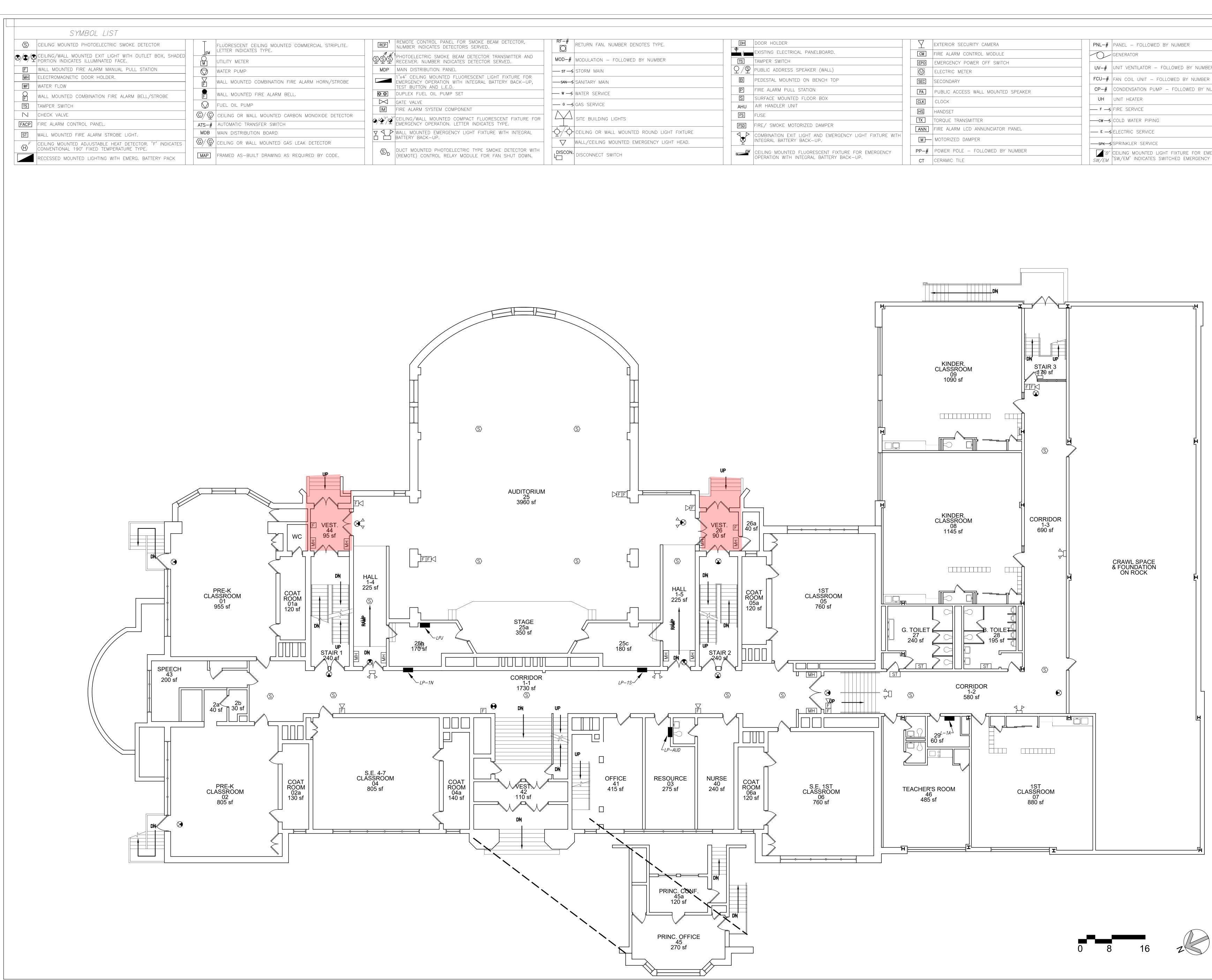
- a) YPS Contract No.
- b) YPS Purchase Order No.
- c) The YPS Project Number
- d) Original contract amount
- e) Contract amendments (if any) and revised contract amount
- f) Requisition No.
- g) Lists of attachments.
- h) Summary of amount due for this requisition and amount left in contract.
- 2. Back-up receipts for reimbursables.
- 3. Invoice(s) showing amount(s) due for each project.
- 4. For Additional Work only and Asbestos Surveys: Payroll reports showing employee(s) being charged to the project.



RCP ¹	REMOTE CONTROL PANEL FOR SMOKE BEAM DETECTOR, NUMBER INDICATES DETECTORS SERVED.	RF-#	RETURN FAN. NUMBER DENOTES TYPE.	DH	DOOR HOLDER
14	DUOTOELECTRIC SMOKE REAM DETECTOR TRANSMITTER AND				EXISTING ELECTRICAL
<u>SXSX</u> S	PHOTOELECTRIC SMOKE BEAM DETECTOR TRANSMITTER AND RECEIVER. NUMBER INDICATES DETECTOR SERVED.	MOD-#	MODULATION - FOLLOWED BY NUMBER	TS	TAMPER SWITCH
Mdp	MAIN DISTRIBUTION PANEL	—	STORM MAIN	Q/\$	PUBLIC ADDRESS SP
	1'x4' CEILING MOUNTED FLUORESCENT LIGHT FIXTURE FOR EMERGENCY OPERATION WITH INTEGRAL BATTERY BACK-UP, TEST BUTTON AND L.E.D.		SANITARY MAIN	B	PEDESTAL MOUNTED
	DUPLEX FUEL OIL PUMP SET	w	WATER SERVICE	<u>P</u>	FIRE ALARM PULL ST
$\overline{\boxtimes}$	GATE VALVE			S	SURFACE MOUNTED
	FIRE ALARM SYSTEM COMPONENT	G≤	GAS SERVICE	AHU	AIR HANDLER UNIT
		$\square \square$	SITE BUILDING LIGHTS	FS	FUSE
	F ¹ CEILING/WALL MOUNTED COMPACT FLUORESCENT FIXTURE FOR EMERGENCY OPERATION. LETTER INDICATES TYPE.			FSD	FIRE/ SMOKE MOTOR
r < r	WALL MOUNTED EMERGENCY LIGHT FIXTURE WITH INTEGRAL	-\$\\$\-	CEILING OR WALL MOUNTED ROUND LIGHT FIXTURE		COMBINATION EXIT LI
		\bigtriangledown	WALL/CEILING MOUNTED EMERGENCY LIGHT HEAD.		INTEGRAL BATTERY B
\$\sigma_D	DUCT MOUNTED PHOTOELECTRIC TYPE SMOKE DETECTOR WITH (REMOTE) CONTROL RELAY MODULE FOR FAN SHUT DOWN.		DISCONNECT SWITCH	EM	CEILING MOUNTED FL OPERATION WITH INTI
		I		1 1	1

	Ι		
<u> </u>	EXTERIOR SECURITY CAMERA	PNL-#	PANEL – FOLLOWED BY NUMBER
СМ	FIRE ALARM CONTROL MODULE		GENERATOR
EPO	EMERGENCY POWER OFF SWITCH		
	ELECTRIC METER	UV-#	UNIT VENTILATOR – FOLLOWED BY NUMBER
SEC	SECONDARY	FCU-#	FAN COIL UNIT – FOLLOWED BY NUMBER
PA	PUBLIC ACCESS WALL MOUNTED SPEAKER	CP-#	CONDENSATION PUMP - FOLLOWED BY NUMBER
CLK	CLOCK	UH	UNIT HEATER
HS	HANDSET	F	FIRE SERVICE
ТХ	TORQUE TRANSMITTER	cws	COLD WATER PIPING
ANN	FIRE ALARM LCD ANNUNCIATOR PANEL	E	ELECTRIC SERVICE
M	MOTORIZED DAMPER		SPRINKLER SERVICE
PP-#	POWER POLE - FOLLOWED BY NUMBER		CEILING MOUNTED LIGHT FIXTURE FOR EMERGENCY OPERATION.
СТ	CERAMIC TILE	SW/EM	'SW/EM' INDICATES SWITCHED EMERGENCY FIXTURE
	EPO SEC PA CLK HS TX ANN M PP-#	Image: Second restance Image: Second restan	Image: Secondary Substance States Image: Secondary Substance States Image: Secondary Image: Secondary Image: Secondary Image: Secondary





							1
RCP ¹	REMOTE CONTROL PANEL FOR SMOKE BEAM DETECTOR, NUMBER INDICATES DETECTORS SERVED.	RF-# Return fan. Number denotes type.	DH	DOOR HOLDER	\sum exterior security camera	PNL-#	PANEL – FOLLOWED BY NUMBER
- AK	PHOTOELECTRIC SMOKE BEAM DETECTOR TRANSMITTER AND			EXISTING ELECTRICAL PANELBOARD.	CM FIRE ALARM CONTROL MODULE		GENERATOR
(<u>5</u> \5\5)	PHOTOELECTRIC SMOKE BEAM DETECTOR TRANSMITTER AND RECEIVER. NUMBER INDICATES DETECTOR SERVED.	MOD-# MODULATION - FOLLOWED BY NUMBER	TS	TAMPER SWITCH	EPO EMERGENCY POWER OFF SWITCH		
	MAIN DISTRIBUTION PANEL	STSTORM MAIN	오 / §	PUBLIC ADDRESS SPEAKER (WALL)	ELECTRIC METER	UV-#	UNIT VENTILATOR – FOLLOWED BY NUMBER
	1'x4' CEILING MOUNTED FLUORESCENT LIGHT FIXTURE FOR EMERGENCY OPERATION WITH INTEGRAL BATTERY BACK-UP,		B	PEDESTAL MOUNTED ON BENCH TOP	SEC SECONDARY	FCU-#	FAN COIL UNIT – FOLLOWED BY NUMBER
	TEST BUTTON AND L.E.D. DUPLEX FUEL OIL PUMP SET	WATER SERVICE	P	FIRE ALARM PULL STATION	PA PUBLIC ACCESS WALL MOUNTED SPEAKER	CP-#	CONDENSATION PUMP - FOLLOWED BY NUMBER
	GATE VALVE		S	SURFACE MOUNTED FLOOR BOX	CLK CLOCK	UH	UNIT HEATER
	FIRE ALARM SYSTEM COMPONENT	GAS SERVICE	AHU	AIR HANDLER UNIT		F	FIRE SERVICE
		SITE BUILDING LIGHTS	FS	FUSE	HS HANDSET		
@/� <u>`</u> /Ŷ	CEILING/WALL MOUNTED COMPACT FLUORESCENT FIXTURE FOR EMERGENCY OPERATION. LETTER INDICATES TYPE.		FSD	FIRE/ SMOKE MOTORIZED DAMPER	TX TORQUE TRANSMITTER	cw\$	COLD WATER PIPING
	WALL MOUNTED EMERGENCY LIGHT FIXTURE WITH INTEGRAL	$-\dot{-}$ - $\dot{-}$ ceiling or wall mounted round light fixture		· · · · · · · · · · · · · · · · · · ·	ANN FIRE ALARM LCD ANNUNCIATOR PANEL	E — <u>\$</u>	ELECTRIC SERVICE
	BATTERY BACK-UP.	$\nabla = \frac{1}{\sqrt{1-1}}$		COMBINATION EXIT LIGHT AND EMERGENCY LIGHT FIXTURE WITH INTEGRAL BATTERY BACK-UP.	M MOTORIZED DAMPER		SPRINKLER SERVICE
<u>(5)</u>	DUCT MOUNTED PHOTOELECTRIC TYPE SMOKE DETECTOR WITH			CEILING MOUNTED FLUORESCENT FIXTURE FOR EMERGENCY	PP-# POWER POLE - FOLLOWED BY NUMBER		
	(REMOTE) CONTROL RELAY MODULE FOR FAN SHUT DOWN.	DISCON. DISCONNECT SWITCH	0	OPERATION WITH INTEGRAL BATTERY BACK-UP.	CT CERAMIC TILE	SW/EM	CEILING MOUNTED LIGHT FIXTURE FOR EMERGEN 'SW/EM' INDICATES SWITCHED EMERGENCY FIXTU
	1		I				1

BER	
	OPERATION.
	UPERATION.
XTURE	

