PEARL RIVER PUBLIC LIBRARY

80 FRANKLIN Ave.
PEARL RIVER, NY 10965

BUILDING RENOVATION AND ADDITION

LIST OF DRAWINGS

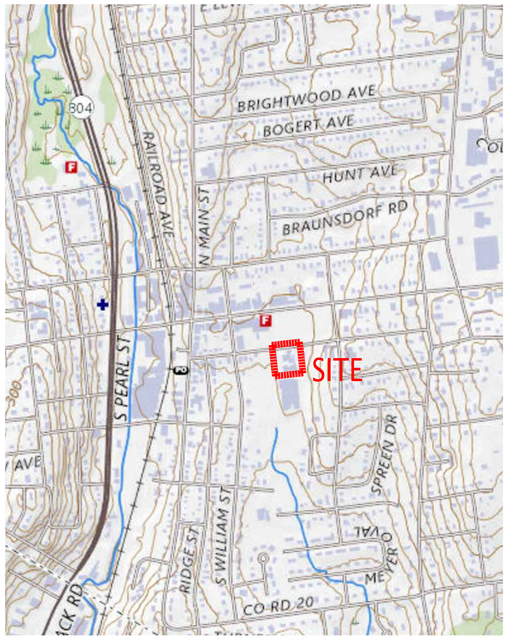
A000	COVER SHEET
CIVIL ENGINEER DRAWINGS	
EX-1	EXISTING CONDITIONS AND REMOVAL PLAN
SP-1	LAYOUT AND LANDSCAPE PLAN
SP-2	GRADING AND UTILITIES PLAN
SP-3	EROSION AND SEDIMENT CONTROL PLAN
D-1	SITE DETAILS
ASBESTOS ABATEMENT DRAWINGS	
00.00	ASBESTOS LOCATION PLAN: COVER PAGE
01.00	ABATEMENT LOCATION PLAN: 1ST FLOOR - SCOPE OF WORK
ARCHITECTURAL DRAWINGS	
A000	COVER
A001	NOTES AND LEGENDS
A002	NOTES AND LEGENDS
A003	NOTES AND LEGENDS
A020	ARCHITECTURAL SITE PLAN
A021.0	FIRST FLOOR EXISTING PLAN
A021.1	FIRST FLOOR EXISTING REFLECTED CEILING PLAN
A021.2	EXISTING CLERESTORY REFLECTED CEILING PLAN
A022.0	SECOND FLOOR EXISTING PLAN
A022.1	SECOND FLOOR EXISTING REFLECTED CEILING PLAN
A023.0	ROOF EXISTING PLAN
A051	FIRST FLOOR EGRESS PLAN
A052	SECOND FLOOR EGRESS PLAN
A101	FIRST FLOOR DEMOLITION PLAN
A102	SECOND FLOOR DEMOLITION PLAN
A103.1	LOW ROOF DEMOLITION PLAN
A103.2	MID ROOF DEMOLITION PLAN
A103.3	HIGH ROOF DEMOLITION PLAN
A111.1	FIRST FLOOR CONSTRUCTION PLAN
A111.2	FIRST FLOOR DIMENSION PLAN
A113.1	SECOND FLOOR CONSTRUCTION PLAN
A113.2	SECOND FLOOR DIMENSION PLAN
A114.1	LOW ROOF CONSTRUCTION PLAN
A114.2	MID ROOF CONSTRUCTION PLAN
A114.3	HIGH ROOF CONSTRUCTION PLAN
A121	FIRST FLOOR REFLECTED CEILING PLAN
A122	FIRST FLOOR CLERESTORY REFLECTED CEILING PLAN
A123	SECOND FLOOR HIGH REFLECTED CEILING PLAN
A131	FIRST FLOOR FINISH PLAN
A132	SECOND FLOOR FINISH PLAN
A133	FIRST FLOOR FINISH PLAN COLOR DIAGRAM (PRINT IN COLOR)
A134	SECOND FLOOR FINISH PLAN COLOR DIAGRAM (PRINT IN COLOR)
A135	FINISH PLAN LAYOUT DIMENSIONS
A141	FIRST FLOOR FURNITURE AND EQUIPMENT PLAN
A142	SECOND FLOOR FURNITURE AND EQUIPMENT PLAN
A151	FIRST FLOOR POWER AND TELEPHONE LOCATION PLAN
A152	SECOND FLOOR POWER AND TELEPHONE LOCATION PLAN
A161	ALTERNATE I
A201	EXTERIOR ELEVATIONS
A202	BUILDING SECTIONS AND DETAILS
A400	VESTIBULE AND LOBBY PLANS AND ELEVATIONS
A403	ELEVATIONS AND DETAILS
A404	ELEVATIONS AND DETAILS

A405	ELEVATIONS AND DETAILS
A406	DETAILS
A410	DUCT ENCLOSURE
A601.0	ELEVATIONS AND DETAILS
A601.1	ELEVATIONS AND DETAILS
A602	ELEVATIONS AND DETAILS
A603	ELEVATIONS AND DETAILS
A605	ELEVATIONS AND DETAILS
A614	INTERIOR ELEVATIONS
A615	INTERIOR ELEVATIONS
A616	INTERIOR ELEVATIONS
A617	INTERIOR ELEVATIONS
A618	INTERIOR ELEVATIONS
A620	ELEVATIONS AND DETAILS
A631	SECTION DETAILS
A632	SECTION DETAILS
A701	CIRCULATION DESK DETAILS
A702	ELEVATIONS AND DETAILS
A703	ELEVATIONS AND DETAILS
STRUCTURAL DRAWINGS	
S-001.0	GENERAL NOTES 1
S-101.0	FOUNDATION/FIRST FLOOR FRAMING PLAN
S-102.0	SECOND FLOOR FRAMING PLAN
S-103.0	MID ROOF FRAMING PLAN
S-104.0	HIGH ROOF FRAMING PLAN
S-401.0	SECTIONS
S-501.0	TYPICAL DETAILS
T0.1	COVER SHEET
PLUMBING DRAWINGS	
P0.1	PLUMBING SYMBOLS AND ABBREVIATIONS, NOTES & SCHEDULES
P1.1	PLUMBING FIRST FLOOR DEMOLITION PLAN
P1.2	PLUMBING SECOND FLOOR DEMOLITION PLAN
P1.3	PLUMBING ROOF DEMOLITION PLAN
P2.1	PLUMBING FIRST FLOOR NEW WORK PLAN
P2.2	PLUMBING SECOND FLOOR NEW WORK PLAN
P2.3	PLUMBING ROOF NEW WORK PLAN
P5.1	PLUMBING RISER DIAGRAM
P7.1	PLUMBING DETAILS
SPRINKLER DRAWINGS	
SP0.1	SPRINKLER SYMBOLS AND ABBREVIATIONS, NOTES
SP2.1	SPRINKLER FIRST FLOOR NEW WORK PLAN
SP2.2	SPRINKLER CLERESTORY NEW WORK PLAN
SP2.3	SPRINKLER SECOND FLOOR NEW WORK PLAN
SP7.1	SPRINKLER DETAILS
ELECTRICAL DRAWINGS	
E0.1	ELECTRICAL SYMBOLS AND ABBREVIATIONS, NOTES & SCHEDULES
E1.0	ELECTRICAL FIRST FLOOR DEMOLITION PLAN
E1.1	ELECTRICAL SECOND FLOOR DEMOLITION PLAN
E2.0	ELECTRICAL FIRST FLOOR PLAN - LIGHTING
E2.1	ELECTRICAL FIRST FLOOR CLERESTORY PLAN - LIGHTING
E2.2	ELECTRICAL SECOND FLOOR FLOOR PLAN - LIGHTING
E3.0	ELECTRICAL FIRST FLOOR PLAN - POWER
E3.1	ELECTRICAL SECOND FLOOR PLAN - POWER
E3.2	ELECTRICAL ROOF PLAN - POWER
E4.0	ELECTRICAL FIRST FLOOR PLAN - FIRE ALARM
E4.1	ELECTRICAL SECOND FLOOR PLAN - FIRE ALARM
E5.0	ELECTRICAL ONE-LINE DIAGRAM & PART PLANS

E6.0	ELECTRICAL PANEL SCHEDULES AND LIGHTING FIXTURE SCHEDULE
E7.0	ELECTRICAL DETAILS
E7.1	ELECTRICAL DETAILS AND FIRE ALARM RISER DIAGRAM
MECHANICAL DRAWINGS	
M0.1	MECHANICAL SYMBOLS AND ABBREVIATIONS
M1.1	MECHANICAL FIRST FLOOR PIPING DEMOLITION PLAN
M1.2	MECHANICAL SECOND FLOOR PIPING DEMOLITION PLAN
M1.3	MECHANICAL FIRST FLOOR DUCTWORK DEMOLITION PLAN
M1.4	MECHANICAL SECOND FLOOR DUCTWORK DEMOLITION PLAN
M1.5	MECHANICAL ROOF DEMOLITION PLAN
M2.1	MECHANICAL FIRST FLOOR NEW WORK PIPING PLAN
M2.2	FIRST FLOOR CLERESTORY PIPING NEW WORK PARTIAL PLAN
M2.3	MECHANICAL SECOND FLOOR PIPING NEW WORK PARTIAL PLAN
M2.4	MECHANICAL FIRST FLOOR DUCTWORK NEW WORK PARTIAL PLAN
M2.5	FIRST FLOOR CLERESTORY DUCTWORK NEW WORK PARTIAL PLAN
M2.6	MECHANICAL SECOND FLOOR DUCTWORK NEW WORK PARTIAL PLAN
M2.7	MECHANICAL ROOF NEW WORK PARTIAL PLAN
M4.1	MECHANICAL BOILER ROOM PARTIAL PLAN
M5.1	MECHANICAL CHW AND HW SYSTEM FLOW DIAGRAMS
M5.2	MULTI-ZONE ROOFTOP UNIT W/ ERW SYSTEM SCHEMATIC
M5.3	VAV SYSTEM CONTROL DIAGRAMS
M5.4	AIR FLOW RISER DIAGRAM
M6.1	MECHANICAL EQUIPMENT SCHEDULES
M6.2	MECHANICAL EQUIPMENT SCHEDULES
M7.1	MECHANICAL DETAILS
M7.2	MECHANICAL DETAILS
M7.3	MECHANICAL DETAILS
M7.4	MECHANICAL DETAILS

VICINITY MAP

NORTH



CONTRACT DOCUMENTS

PROJECT MANUAL

PEARL RIVER LIBRARY CHILLER REPLACEMENT PACKAGE:
NY SED PROJECT CONTROL NO. 50-03-08-03-6-005-004

PEARL RIVER LIBRARY PUBLIC RESTROOM RENOVATION PACKAGE:
NY SED PROJECT CONTROL NO. 50-03-08-03-6-005-005

PEARL RIVER PUBLIC LIBRARY WINDOW REPLACEMENT PACKAGE:
NY SED PROJECT CONTROL NO. 50-03-08-03-6-005-007

AVAILABLE PROJECT INFORMATION

LAND SURVEY

HAZARDOUS MATERIAL REPORT

SLAB MOISTURE AND CHLORIDE REPORT (ADVANCED TESTING)

GEOTECHNICAL REPORT

PHOTOS BOOKS

TAPERED INSULATION PLAN

ALTERNATES

ALTERNATE 1 - MEETING ROOMS - SHEET A161

ALTERNATE 2 - ELECTRICAL SERVICE WIRING UPGRADE

ALTERNATE 3 - SECOND FLOOR FIT OUT

ALTERNATE 4 - ROOF REPAIR

SPECIAL INSPECTIONS

BUILDING AIR LEAKAGE
INSPECTION OF FABRICATIONS (IBC 1704.2.5)
STEEL CONSTRUCTION (IBC 1705.2.1)
- STRUCTURAL STEEL WELDING
- HIGH STRENGTH BOLTS
- COLD FORMED STEEL DECK

CONCRETE CONSTRUCTION (IBC 1705.3.2 TALE 1705.3)
- MATERIAL TESTS
- POST INSTALLED ANCHORS

MASONRY CONSTRUCTION (IBC 1705.4)
SOILS (IBC 1705.6)

FIRE SUPPRESSION SYSTEMS
FIRE ALARM SYSTEMS
FINAL INSPECTION

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT|AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
6	1/28/2025	SED PERMIT AMENDMENT 01
5	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY
80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

COVER PAGE

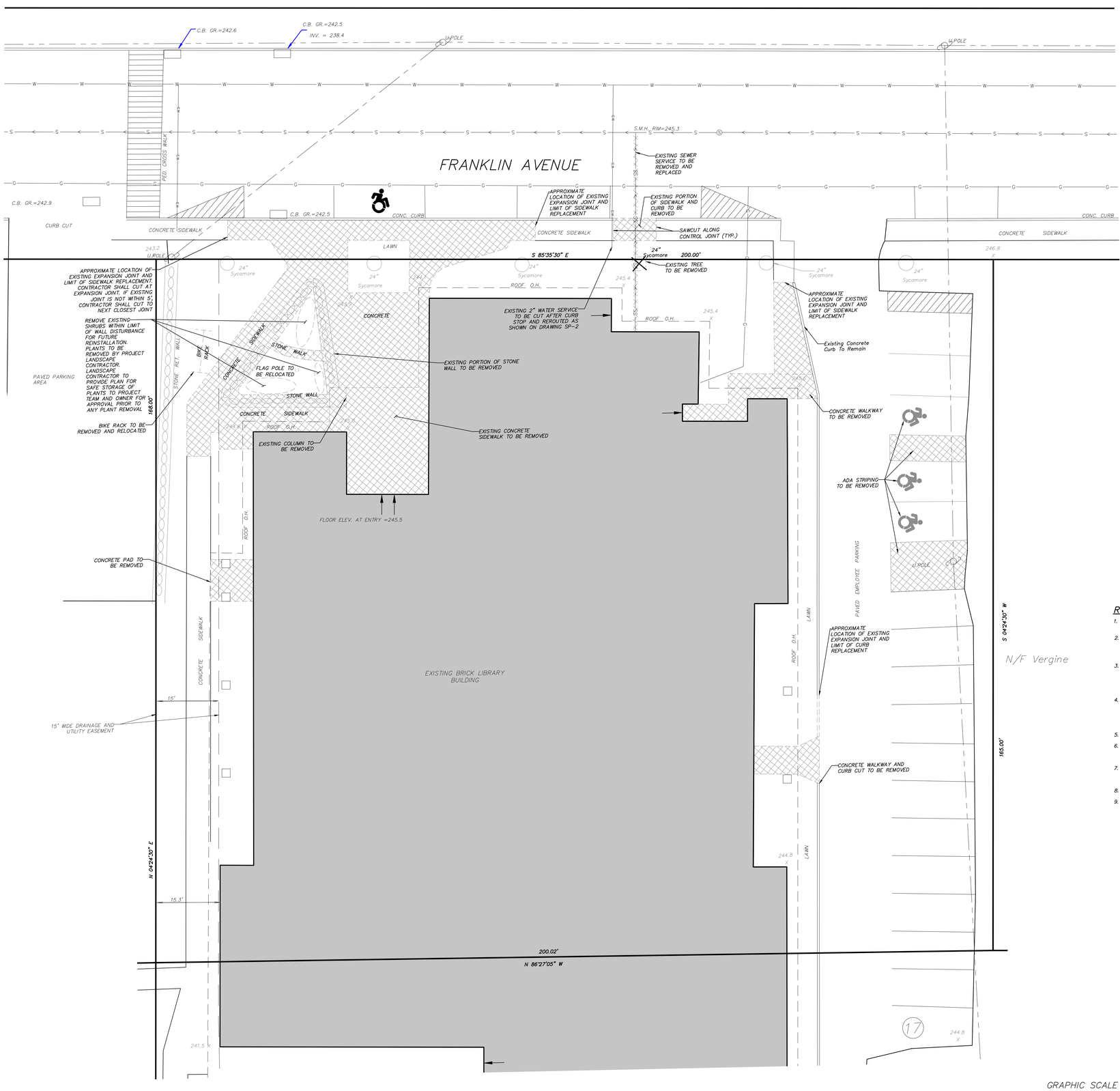
PROJECT NO.: 2578-02

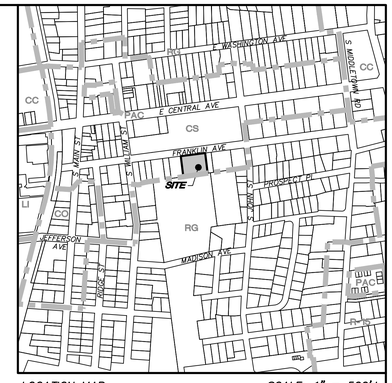
DRAWING NO.:
A000

one eighth inch = one foot
0 4 8 16

CONSTRUCTION NOTES:

1. The contractor is advised that additional notes may be found on SK's issued for the project and such notes, while pertaining to the specific drawings they are placed in, also supplement the construction notes listed hereon.
2. All work and materials shall be in accordance with these plans and project specifications.
3. The contractor shall notify the Engineer 72 hours prior to start of work.
4. The contractor shall coordinate the layout of the work with the owner, and the project engineer, and eliminate all conflicts including but not limited to utility location conflicts, prior to commencement of any proposed work.
5. The contractor shall coordinate their construction operations with the project engineer and any other contractors/subcontractors and construction activities occurring simultaneously on the property.
6. It shall be the contractor's/subcontractor's responsibility to provide sanitary facilities (i.e. porta-john (and other necessary temporary facilities) throughout the duration of construction.
7. The contractor shall be responsible for providing all power, water, and other resources necessary to complete the project work.
8. Minimum OSHA site standards must be maintained including personal protective equipment and vests. The contractor shall be responsible for guarding and protecting all open excavations in accordance with the latest edition and current OSHA requirements.
9. The contractor shall field verify all dimensions relative to the scope of work.
10. The contractor shall stake out the limits of clearing and it shall be reviewed with the project engineer prior to the start of clearing operations. Existing trees to remain outside the limits of clearing shall be protected per the detail.
11. It shall be the contractor's responsibility to identify and protect all underground utilities. The contractor shall contact Dig Safely New York at 811 or 1-800-962-7962 and any other required utility locators prior to the start of construction.
12. The exact location, size, and type of the existing utilities may differ from what is shown hereon. The contractor shall field verify the location, size and type of the existing utilities by performing a test pit ahead of construction as necessary to permit revisions to meet existing utilities or relocate proposed utilities as required. Horizontal location and elevation of the existing utility as determined by test pit shall be provided to the project engineer.
13. The contractor shall field verify the existing grades / utility locations prior to commencement of any work. Any discrepancy shall be reported to the project engineer when identified.
14. The contractor shall perform all work with care so that any materials which are to remain in place, or which are to remain on the property, shall not be damaged. The contractor will be held responsible for all damage caused to existing utilities / features / facilities / vegetation during execution of the work not proposed to be modified or removed by these plans. All damage to any existing utilities / features / facilities / vegetation not proposed to be modified by the contract shall be repaired or replaced by the contractor to the satisfaction of the owner at no additional cost.
15. Original condition shall mean the condition in which the feature was found (or better) at the start of construction.
16. The contractor shall be responsible for the implementation and maintenance of erosion and sediment controls (shown or not) as necessary to prevent erosion and migration of sediment outside of the contract limit line or into the stormwater collection system. Erosion and sediment controls may include but are not limited to silt fence, stabilized construction entrance, berms and inlet protection. All erosion and sediment controls shall be installed in accordance with the New York State Standards and Specifications for Erosion and Sediment Control. Additional erosion and sediment controls may be required during construction by the project engineer. All disturbed areas shall be stabilized in accordance with the Erosion & Sediment Control Notes and details.
17. Silt fence shall be installed parallel to the contours.
18. Contractor is responsible for protecting soil stockpiles, trenches, and building excavations against weather. No additional fee will be paid to the contractor for removal and replacement of suitable soils due to degradation from weather related events.
19. During execution of the work, the contractor shall be responsible for dewatering and control of surface water in accordance with the New York State Standards and Specifications for Erosion and Sediment Control. The New York State Standards and Specifications for Erosion and Sediment Control can be found at http://www.dec.ny.gov/chemical/29066.html.
20. All existing pavement shall be cleaned and swept prior to the completion of construction.
21. The contractor shall provide temporary construction fence for all work areas including the material storage/staging areas.
22. All personal vehicles, materials, and construction equipment must be kept within the construction staging area. Use of additional onsite storage areas must be pre-authorized by the owner of the property.
23. Tree clearing can only be performed between October 1st and March 31st.
24. Topsoil and subsoil shall be stripped, screened, and stockpiled in locations shown for future use. The contractor must keep enough topsoil onsite for final restoration. Four inches of screened topsoil shall be placed and raked to finish grade over all disturbed areas not covered by pavement, concrete and/or gravel surfaces, unless otherwise noted.
25. The contractor shall maintain existing grades unless otherwise noted.
26. Contractor shall be responsible for removal of all excess rock, topsoil, subsoil, and construction debris from the site.
27. There shall be no burying of construction and demolition (C&D) debris or stumps on site. All C&D debris and stumps must be removed by the contractor, and disposed of in accordance with all pertinent regulations.
28. All proposed concrete drainage structures shall be precast concrete and all structures, frames, and grates are to meet H-20 loading requirements.
29. Design Engineer to approve locations and elevations of all structures prior to placement.
30. Where side drain inlets are proposed the Contractor shall extend the upstream swale to the side inlet of the drainage structure.
31. Unless otherwise shown on the drawings the contractor shall match the material, thickness and quality of all existing pavements that are to be replaced.
32. Temporary asphalt wedges shall be placed in all areas open to vehicular access. The wedges shall be installed between any sudden abrupt grade changes in excess of 1" as a result of construction. All temporary wedges shall be removed prior to placement of asphalt course.
33. The contractor will be responsible for the implementation of all maintenance and protection of traffic (MP&T) measures if necessary. MP&T shall include but not be limited to placement of traffic cones and warning signs around work zone. Safe and adequate pedestrian vehicular traffic flow shall be maintained at all times to the existing buildings, while the work is in progress. The contractor shall submit for approval of the Architect, a construction sequence schedule and plan for pedestrian and vehicular traffic flow.
34. A retaining wall design signed and sealed by a NYS licensed Engineer shall be submitted to the Consulting Town Engineer prior to the construction of any wall greater than 4 feet in height.





LOCATION MAP SCALE: 1" = 500'±

OWNER/APPLICANT:

PEARL RIVER PUBLIC LIBRARY
80 FRANKLIN AVE
PEARL RIVER, NY 10965

SITE DATA:

Zone: CS
Total Acreage 0.8 AC
Tax Map No.: 68.20-2-72

GENERAL NOTES:

1. Property line, existing conditions and topography shown hereon taken from topographic survey prepared by Robert Sorace, PLS for R. Scott Fischer, LLC dated: September 2, 2022
2. Proposed features are labeled as such. All other features are existing.
3. Grades for accessible route between existing handicap parking to existing building entrance to be verified during construction.

LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- EXISTING ZONING DISTRICT BOUNDARY
- EXISTING STONE & MASONRY RETAINING WALL
- EXISTING CHAIN LINK FENCE
- EXISTING CONCRETE CURB
- EXISTING OVERHEAD WIRES
- EXISTING UTILITY POLE
- EXISTING UNDERGROUND DRAINAGE PIPE
- EXISTING UNDERGROUND SEWER MAIN
- EXISTING UNDERGROUND SEWER SERVICE
- EXISTING UNDERGROUND WATER MAIN
- EXISTING UNDERGROUND WATER SERVICE
- EXISTING CATCH BASIN
- EXISTING SEWER MANHOLE
- EXISTING SPOT GRADE
- EXISTING PARKING STRIPING
- EXISTING FEATURE TO BE REMOVED

REMOVAL NOTES

1. Prior to submitting the bid, the contractor shall visit the site and familiarize themselves with the site conditions and existing improvements to be removed.
2. The contractor shall provide all removals incidental and necessary to execute the work prescribed in the contract documents. All existing features specified to be removed shall be removed in their entirety unless otherwise authorized in writing by the owner or the project engineer.
3. These drawings are intended to show an overall Limit of Disturbance and general features to be removed. Not all features incidental to the general scope of the site work have been shown to be removed. The contractor shall be responsible for all removals within the limits of both above and below grade features, necessary for the construction of the site improvements shown hereon.
4. All underground utility piping (water, sewer, drainage conduits) shall be capped and abandoned in place. All abandoned pipes left in place shall be filled with controlled low strength material (CLSM) sealing both ends. Any exposed utility piping shall be cut and removed such that a minimum of 1' of soil cover is maintained on all pipes that are to be capped and abandoned in place.
5. All building materials shall be demolished and removed from the site.
6. Burying of any demolished building materials on site is prohibited. Building foundations may be crushed and abandoned, filled in and restored in accordance with the project specifications.
7. For any below grade slab or bottom of tank that is to be demolished and abandoned in place, the concrete shall be pulverized so that there are no pieces of concrete remaining that are larger than 3 ft by 3 ft.
8. Remove existing electrical wiring and conduit back to the source panel.
9. Refer to the Project Specifications for hazardous material disposal.

GRAPHIC SCALE
0 5 10 20
(IN FEET)
1inch = 10 ft.

NO.	DATE	REVISION	BY
2	2-6-25	REVISED PER ARCHITECT'S COMMENTS	MEU
1	10-15-24	REVISED FOR SED SUBMISSION	CMS

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-9690
(845) 225-9717 fax
www.insite-eng.com

PROJECT:
PEARL RIVER LIBRARY
80 FRANKLIN AVE, TOWN OF ORANGETOWN, ROCKLAND COUNTY, NY

DRAWING:
EXISTING CONDITIONS AND REMOVALS PLAN

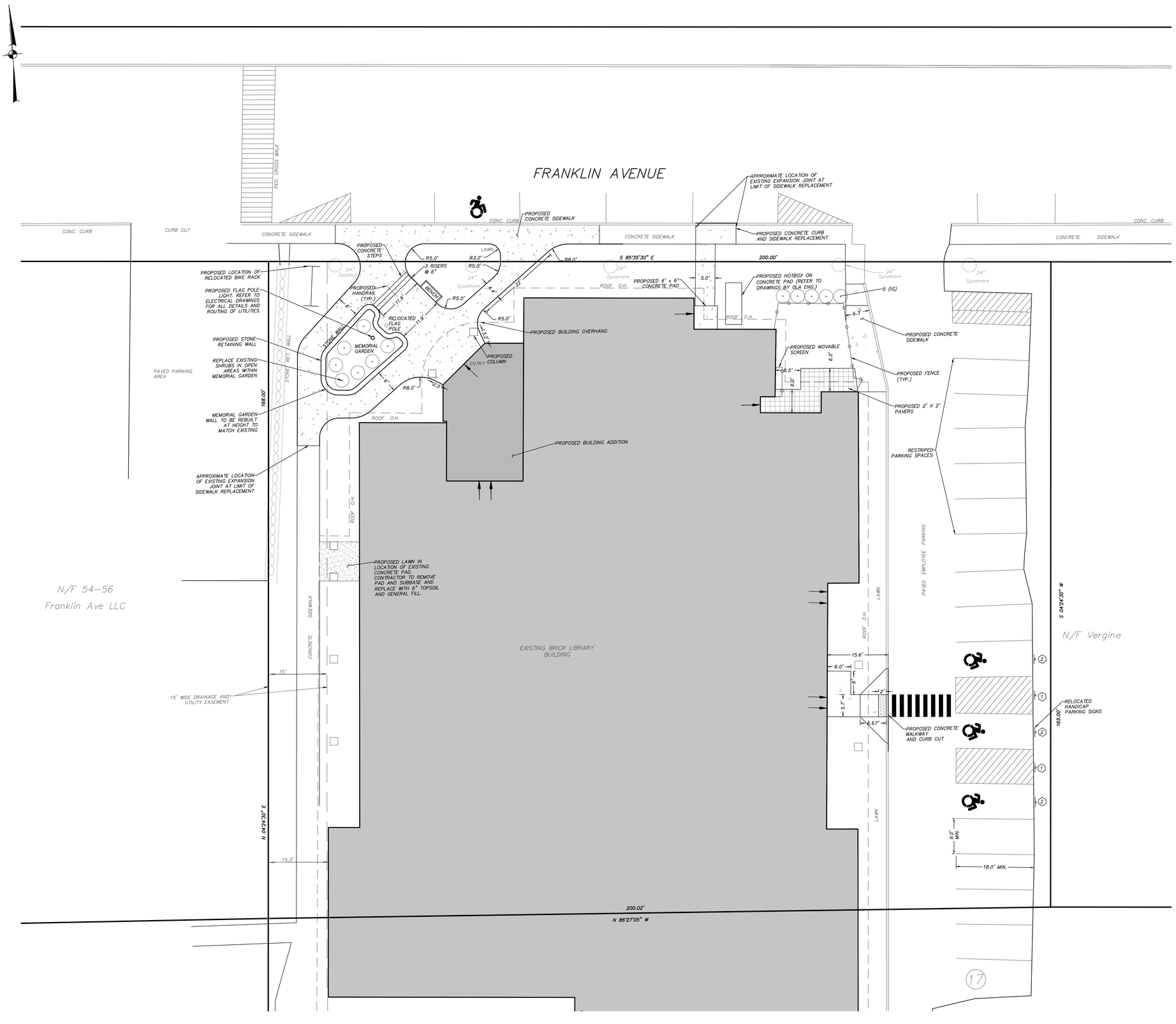
STATE OF NEW YORK — RICHARD D. WILLIAMS — 085866 — LICENSED PROFESSIONAL ENGINEER
LICENSE NO: 085866
EXP. DATE: 06-30-2025

PROJECT NUMBER	24125.100	PROJECT MANAGER	R.D.W.
DATE	6-6-24	DRAWN BY	C.M.S.
SCALE	1" = 10'	CHECKED BY	S.M.R.

DRAWING NO. EX-1 SHEET 1 / 5

ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.

Z:\EXCAD\2500\Lettrng Pearl River Library\SED\Dwg 24125EX-1.dwg, 2/4/2025 12:26:11 PM, richter 1:1



LEGEND

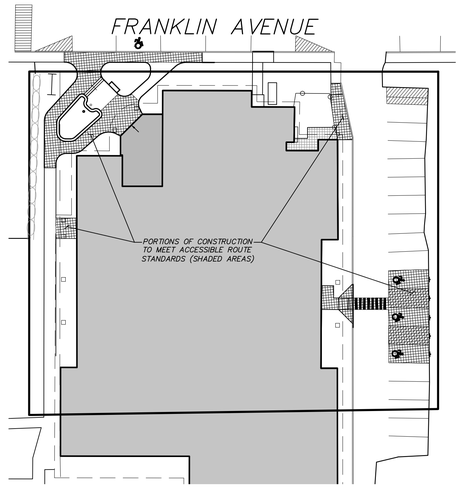
- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- EXISTING STONE & MASONRY RETAINING WALL
- EXISTING CHAIN LINK FENCE
- EXISTING CONCRETE CURB
- PROPOSED SIDEWALK
- PROPOSED CONCRETE CURB
- PROPOSED LANDSCAPING

PLANT LIST

	SHRUBS		
·	Ilex glabra 'Shamrock' / Shamrock Inkberry Holly	3' HT.	#5 CONT.

SIGN DATA TABLE

LOCATION NO.	TEXT	M.U.T.C.D. NUMBER	SIZE OF SIGN (s.f.)	DESCRIPTION
1	NO PARKING ANYTIME	R7-1	12" x 18"	Red on White
2	RESERVED PARKING	R7-8	12" x 18"	Green on White Blue Symbol
	VAN ACCESS	R7-8a	12" x 6"	Green on White



ACCESSIBLE ROUTE FIGURE

GRAPHIC SCALE

0 5 10 20

(IN FEET)
1 inch = 10 ft.

NO.	DATE	REVISION	BY
2	2-6-25	REVISED PER ARCHITECT'S COMMENTS	MEU
1	10-15-24	REVISED FOR SED SUBMISSION	CMS

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-9690
(845) 225-9717 fax
www.insite-eng.com

PROJECT:
PEARL RIVER LIBRARY
80 FRANKLIN AVE, TOWN OF ORANGETOWN, ROCKLAND COUNTY, NY

DRAWING:
LAYOUT & LANDSCAPE PLAN

STATE OF NEW YORK — RICHARD D. WILLIAMS — 086866 — LICENSED PROFESSIONAL ENGINEER

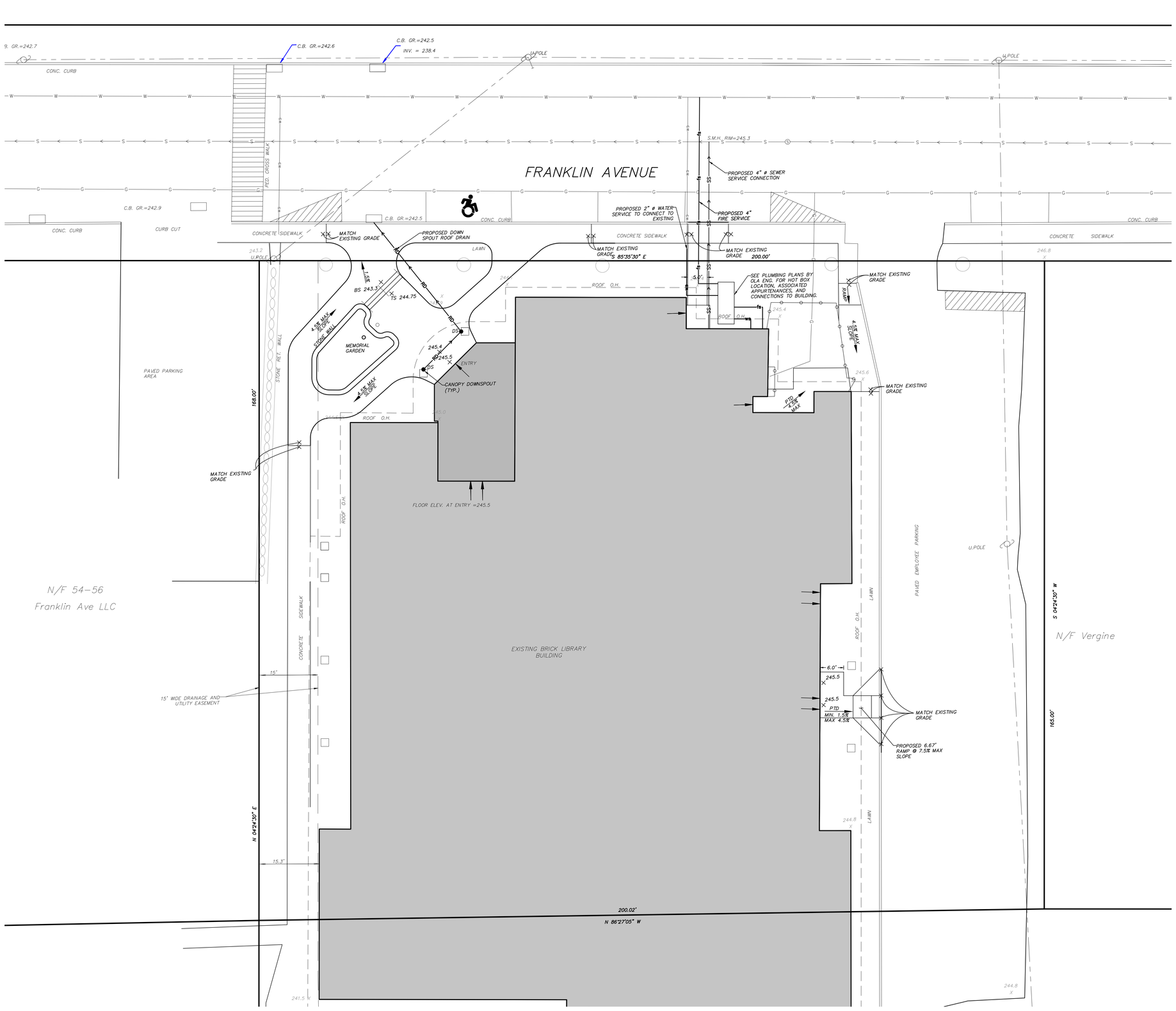
LICENSE NO: 086866
EXP. DATE: 08-30-2025

PROJECT NUMBER	24125.100	PROJECT MANAGER	R.D.W.
DATE	6-6-24	DRAWN BY	C.M.S.
SCALE	1" = 10'	CHECKED BY	S.M.R.

DRAWING NO. SP-1 SHEET 2 / 5

ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.

Z:\E24125100\Lathrop Pearl River Library\SED SP-1.dwg, 2/4/2025 1:48:56 PM, author: LS



LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- EXISTING ZONING DISTRICT BOUNDARY
- EXISTING STONE & MASONRY RETAINING WALL
- EXISTING CHAIN LINK FENCE
- EXISTING CONCRETE CURB
- EXISTING OVERHEAD WIRES
- EXISTING UTILITY POLE
- EXISTING UNDERGROUND DRAINAGE PIPE
- EXISTING UNDERGROUND SEWER MAIN
- EXISTING UNDERGROUND SEWER SERVICE
- EXISTING UNDERGROUND WATER MAIN
- EXISTING UNDERGROUND WATER SERVICE
- EXISTING CATCH BASIN
- EXISTING SEWER MANHOLE
- 243.6 X — EXISTING SPOT GRADE
- 244.7 / 244.7 — PROPOSED SPOT ELEVATION
- fs — PROPOSED FIRE SERVICE LINE
- ws — PROPOSED DOMESTIC WATER SERVICE LINE
- RD — PROPOSED ROOF DRAIN

UTILITY NOTES:

1. The locations of existing utilities, water, sewers, and drainage structures have been indicated based on the best available information. It is possible that the actual subsurface utilities and piping may vary from that indicated. Therefore, prior to starting work in any area, the contractor shall take the necessary steps to determine the locations of all existing underground piping, conduit and structures. The contractor shall carry out their operations in such a manner as to prevent interference with lines which are to remain. Any pipe or conduit disturbed in the course of contract shall be repaired by the contractor at no extra cost to the owner.
2. Existing utility locations, sizes and elevations to be verified by contractor prior to the start of construction and any discrepancies reported to the project engineer immediately.
3. Whenever a connection to an existing pipe or structure is shown, the contractor shall confirm existing pipe materials of construction, dimensions, and connection requirement prior to submitting materials for approval.
4. When structures are to be placed on existing utility lines or where the proposed utility lines are assume to cross existing utilities, the contractor shall locate the existing utility and shall verify its existing invert elevation. The contractor shall notify the engineer if different utility invert elevations or locations are revealed by field exploration.
5. Where interference with other utilities or construction are encountered during construction of new utility lines, the contractor may adjust the alignment or invert elevations of that system only at the direction of the project engineer.
6. All existing utilities shall be removed to the main unless otherwise permitted by the utility service provider.
7. It shall be the contractor's responsibility to locate all overhead wires and utility poles, if any, in the vicinity of the proposed work. Furthermore, it is the contractor's responsibility to make the necessary arrangements to perform the work in the vicinity of these overhead wires.
8. The contractor shall exercise extreme caution when working adjacent to active power and communication lines to prevent damage to these lines. The contractor shall hand excavate test pits to expose those lines prior to performing any other excavation work in the area. The contractor shall repair at their expense, any power or communication interruption immediately.
9. Should any utility poles require bracing or relocating to accomplish the proposed work, it shall be the contractor's responsibility to make the appropriate arrangements to properly secure or relocate such utility poles. The contractor will not receive any additional payment for utility pole bracing or relocating. The contractor must include any costs for such work within their bid submittal.
10. The location of the proposed electric and gas service lines for the property are approximate and subject to the utility company design. The contractor shall coordinate with the owner and utility service provider(s) to determine the location of the site's electric and gas service connections. The contractor shall be responsible for obtaining all required permits necessary for the installation of utility connections, and shall provide electric service lines to each light in accordance with the owner's direction, manufacturer's specifications, and applicable electric code.
11. All sewer manhole pipe penetrations shall be provided with a waterproof rubber boot and gasket.
12. Cuts and fills are proposed over existing utilities. Site contractor shall protect all utilities whether shown or not shown during earthwork operations. Site contractor shall lower existing utilities as required to maintain adequate cover and adjust access and covers for existing structures to proposed grade.
13. Site contractor shall be responsible for trenching and backfill of electrical (including lighting) and communication conduits, including bedding materials. See electrical drawings for trench details. Electrical contractor shall be responsible for installation of conduit and wiring. Site contractor shall be responsible for setting light pole bases. Electrical contractor shall be responsible for setting light poles, conduit and wiring. Site contractor shall be responsible for installation of transformer pads. Electrical contractor shall be responsible for installation of conduits, transformers and wiring.
14. Sizing of fire and water service as well as other utilities except sewer and stormwater were provided by OLA Engineering sizes and locations shown hereon have been coordinated with their plans and shown for reference only. Refer to plans by OLA Engineering for design, size and material type of service connections except sewer and stormwater.

GRADING NOTES:

1. Based on limited surveying, starting point for slopes at main entrance based on top of curb at Franklin Avenue catch basin grate. All grades shall be field verified by Contractor and reported to Project Engineer prior to construction. Based on conversations with the design team, updated survey information was not able to be obtained during design process. As such, modifications to the design shown hereon may be necessary based on the final grades provided.

GRAPHIC SCALE

0 5 10 20

(IN FEET)
1inch = 10 ft.

NO.	DATE	REVISION	BY
2	2-6-25	REVISED PER ARCHITECT'S COMMENTS	MEU
1	10-15-24	REVISED FOR SED SUBMISSION	CMS

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Cormel, NY 10512
(845) 225-9690
(845) 225-9717 fax
www.insite-eng.com

PROJECT:
PEARL RIVER LIBRARY
80 FRANKLIN AVE, TOWN OF ORANGETOWN, ROCKLAND COUNTY, NY

DRAWING:
GRADING & UTILITIES PLAN

STATE OF NEW YORK — RICHARD D. WILLIAMS — 085866 — LICENSED PROFESSIONAL ENGINEER

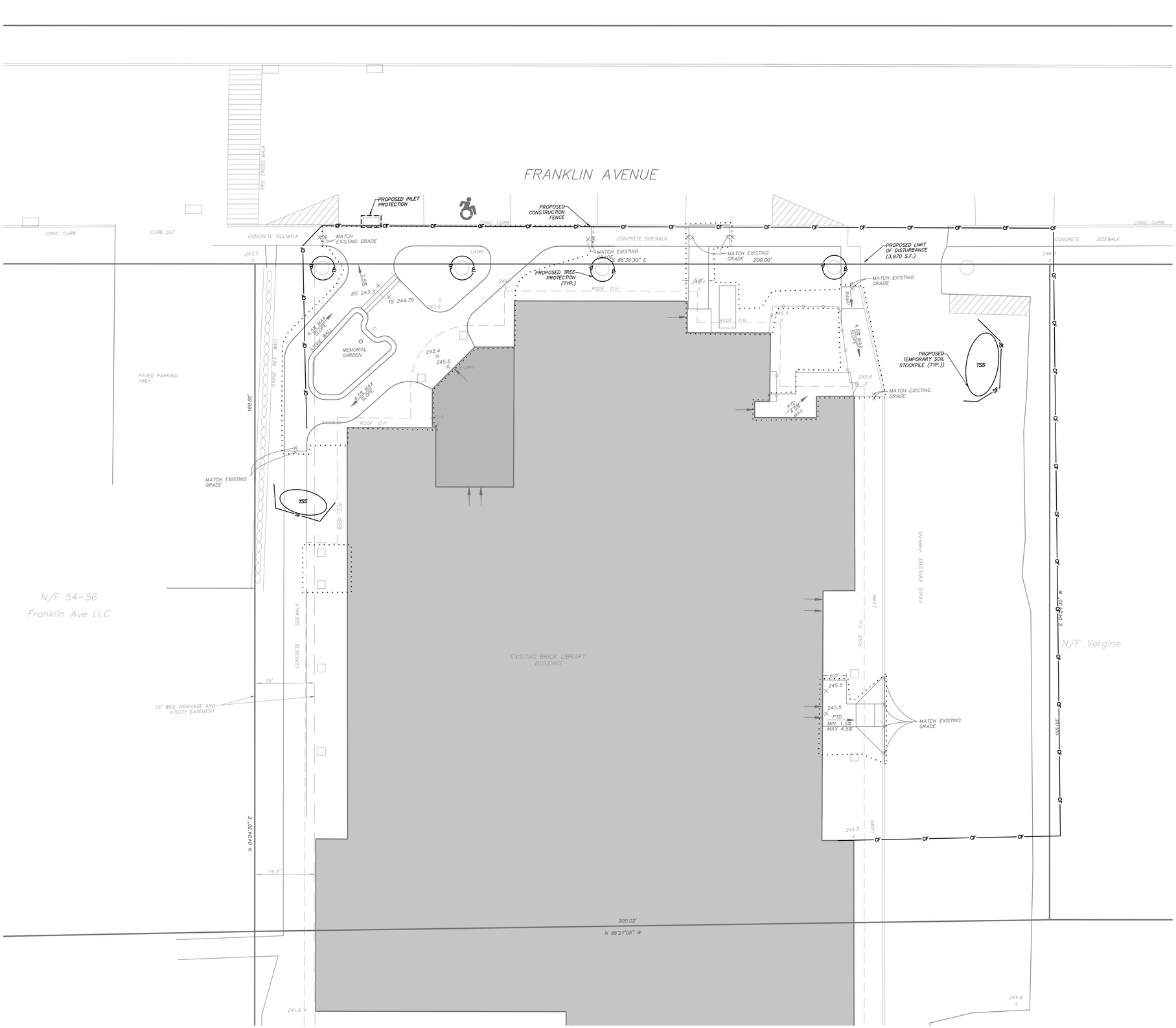
LICENSE NO: 085866
EXP. DATE: 06-30-2025

PROJECT NUMBER	24125.100	PROJECT MANAGER	R.D.W.
DATE	6-6-24	DRAWN BY	C.M.S.
SCALE	1" = 10'	CHECKED BY	S.M.R.

DRAWING NO. SP-2
SHEET 3 / 5

ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.

Z:\24125100\Letting\Pearl River Library\03 SP-2.dwg, 2/4/2025 10:27:19 PM, richter, 1:1



LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- EXISTING ZONING DISTRICT BOUNDARY
- EXISTING STONE & MASONRY RETAINING WALL
- EXISTING CHAIN LINK FENCE
- EXISTING CONCRETE CURB
- CB — EXISTING CATCH BASIN
- SF — PROPOSED SILT FENCE
- CF — PROPOSED CONSTRUCTION FENCE
- PROPOSED INLET PROTECTION
- PROPOSED TREE PROTECTION FENCE
- PROPOSED LIMIT OF DISTURBANCE

TREE PROTECTION NOTES:

1. Trees to be preserved in proximity to disturbance areas shall be marked in the field by the Landscape Architect prior to start of construction.
2. Install tree protection measures prior to start of site clearing & construction.
3. No construction equipment shall be parked and no earth or construction materials shall be stockpiled or stored under the canopy of trees to be preserved.
4. During tree removal operations associated with construction, do not damage adjacent trees to remain. Lower limbs and tree trunks, do not drop them.
5. Carefully tie back any tree branches that conflict with construction equipment.
6. Where trenching for utilities is required within a root zone, tunneling under and around roots shall be by hand digging. If roots 3" or larger are encountered immediately adjacent to the location of new construction and relocation is not practical, the roots shall be hand pruned under the supervision of a Certified Arborist or Landscape Architect to 6" back from the new construction limit. All exposed roots to receive appropriate treatment prior to backfilling.
7. If tree protection fencing to protect the root zone is not possible, six to eight inches of wood chip mulch and 3/4 inch plywood shall be placed over the entire affected root zone area to prevent soil compaction.
8. Any tree damaged during construction activities must be immediately repaired by a qualified arborist at no additional cost to the owner.

GRAPHIC SCALE

0 5 10 20

(IN FEET)
1inch = 10 ft.

NO.	DATE	REVISION	BY
2	2-6-25	REVISED PER ARCHITECT'S COMMENTS	MEU
1	10-15-24	REVISED FOR SED SUBMISSION	CMS

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-9690
(845) 225-9717 fax
www.insite-eng.com

PROJECT:
PEARL RIVER LIBRARY
80 FRANKLIN AVE, TOWN OF ORANGETOWN, ROCKLAND COUNTY, NY

DRAWING:
EROSION & SEDIMENT CONTROL PLAN

STATE OF NEW YORK — RICHARD D. WILLIS — 085565 — PROFESSIONAL ENGINEER
LICENSE NO. 085565
EXP. DATE: 06-30-2025

PROJECT NUMBER	24125.100	PROJECT MANAGER	R.D.W.
DATE	6-6-24	DRAWN BY	C.M.S.
SCALE	1" = 10'	CHECKED BY	S.M.R.

DRAWING NO. SP-3 — SHEET 4 / 5

ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.

Z:\E\24125\00 Lutrey Pearl River Library\24 SP-3.dwg, 2/6/2025 12:28:18 PM, mwhite 11

EROSION & SEDIMENT CONTROL NOTES:

1. *The owner's field representative (O.F.R.) will be responsible for the implementation and maintenance of erosion and sediment control measures on this site prior to and during construction.*
2. *All construction activities involving the removal or disposition of soil are to be provided with appropriate protective measures to minimize erosion and contain sediment disposition within. Minimum soil erosion and sediment control measures shall be implemented as shown on the plans and shall be installed in accordance with "New York Standards and Specifications For Erosion and Sediment Control," latest edition.*
3. *Wherever feasible, natural vegetation should be retained and protected. Disturbance shall be minimized in the areas required to perform construction. No more than 5 acres of unprotected soil shall be exposed at any one time.*
4. *When land is exposed during development, the exposure shall be kept to the shortest practical period of time. In the areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the current soil disturbance activity ceased. Disturbance shall be minimized to the areas required to perform construction.*
5. *Silt fence shall be installed as shown on the plans prior to beginning any clearing, grubbing or earthwork.*
6. *All topsoil to be stripped from the area being developed shall be immediately seeded for temporary stabilization. Ryegrass (annual or perennial) at a rate of 30 lbs. per acre shall be used for temporary seeding in spring, summer or early fall. 'Aristook' Winter Rye (cereal rye) shall be used for temporary seeding in late fall and winter.*
7. *Any disturbed areas not subject to further disturbance or construction traffic, permanent or temporary, shall have soil stabilization measures initiated for permanent vegetation cover in combination with a suitable mulch within 1 business day of final grading. All seeded areas to receive a minimum 4" topsoil (from stockpile area) and be seeded and mulched as follows:*
   - *Seed mixture to be planted between March 21 and May 20, or between August 15 and October 15 or as directed by project representative at a rate of 100 pounds per acre in the following proportions:*

Kentucky Bluegrass	20%
Creeping Red Fescue	40%
Perennial Ryegrass	20%
Annual Ryegrass	20%

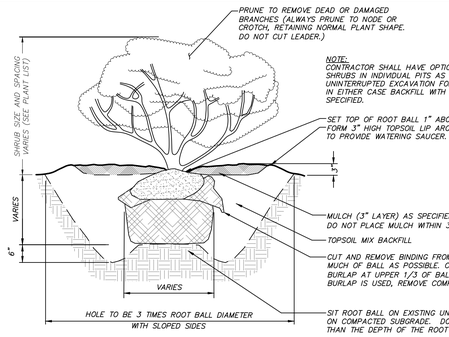
   - *Mulch: Salt hay or small grain straw applied at a rate of 90 lbs./1000 S.F. or 2 tons/acre, to be applied and anchored according to "New York Standards and Specification For Erosion and Sediment Control," latest edition.*
8. *Grass seed mix may be applied by either mechanical or hydroseeding methods.Seeding shall be performed in accordance with the current edition of the "NYSDOT Standard Specification, Construction and Materials, Section 610–3.02, Method No. 1". Hydroseeding shall be performed using materials and methods as approved by the site engineer.*
9. *Cut or fill slopes steeper than 3:1 shall be stabilized immediately after grading with Curlex I Single Net Erosion Control Blanket, or approved equal.*
10. *Paved roadways shall be kept clean at all times.*
11. *The site shall at all times be graded and maintained such that all stormwater runoff is diverted to soil erosion and sediment control facilities.*
12. *All storm drainage outlets shall be stabilized, as required, before the discharge points become operational.*
13. *Stormwater from disturbed areas must be passed through erosion control barriers before discharge beyond disturbed areas or discharged into other drainage systems.*
14. *Erosion and sediment control measures shall be inspected and maintained on a daily basis by the O.F.R. to insure that channels, temporary and permanent ditches and pipes are clear of debris, that embankments and berms have not been breached and that all straw bales and silt fences are intact. Any failure of erosion and sediment control measures shall be immediately repaired by the contractor and inspected for approval by the O.F.R. and/or site engineer.*
15. *Dust shall be controlled by sprinkling or other approved methods as necessary, or as directed by the O.F.R.*
16. *Cut and fills shall not endanger adjoining property, nor divert water onto the property of others.*
17. *All fills shall be placed and compacted in 6" lifts to provide stability of material and to prevent settlement.*
18. *The O.F.R. shall inspect downstream conditions for evidence of sedimentation on a weekly basis and after rainstorms.*
19. *As warranted by field conditions, special additional erosion and sediment control measures, as specified by the site engineer and/or the Town Engineer shall be installed by the contractor.*
20. *Erosion and sediment control measures shall remain in place until all disturbed areas are suitably stabilized.*

GENERAL PLANTING AND SITE SEEDING NOTES:

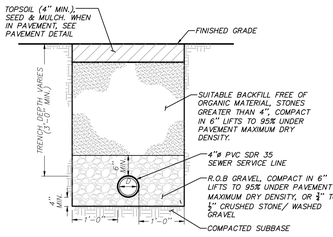
1. *All proposed seeded areas to receive 4" min. depth of topsoil. Soil amendments and fertilizer application rates shall be determined based on specific testing of topsoil material.*
2. *Upon final grading and placement of topsoil and any required soil amendments, areas to receive permanent vegetation cover in combination with suitable mulch as follows:*
   - *– select seed mixture per drawings and seeding notes.*
   - *– fertilizer applied at the manufacturer's recommended rate using phosphorous–free fertilizer or equivalent. Soil test shall be performed prior to using any fertilizer on site.*
   - *– mulch: salt hay or small grain straw applied at a rate of 90 lbs./1000 s.f. or 2 tons/acre, to be applied and anchored according to New York State Standards and Specifications for Erosion and Sediment Control, August 2005.*
   - *– If the season prevents the establishment of a permanent vegetation cover, the disturbed areas will be mulched with straw or equivalent.*
3. *Seed Mixes to be planted between April 1 and May 15, or between August 15 and October 15, or as directed by project representative as follows:*
   Seed Mix for lawn areas at a rate of 50 lbs. per acre:

Kentucky Bluegrass	20%
Creeping Red Fescue	40%
Perennial Ryegrass	20%
Annual Ryegrass	20%

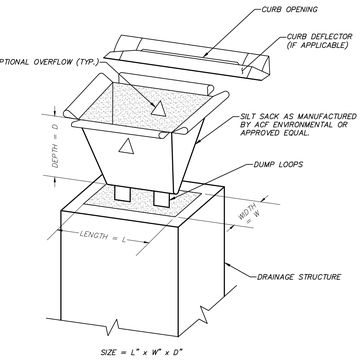
7. *All proposed planting beds to receive a 12" min. depth of topsoil. Soil amendments and fertilizer application rates shall be determined based on specific testing of topsoil material.*
8. *All plant material to be nursery grown.*
9. *The location and layout of landscape plants shown on the site plan shall take precedence in any discrepancies between the quantities of plants shown on the plans and the quantity of plants in the Plant List.*
10. *Provide a 3" layer of shredded mulch (or as specified) over entire watering saucer at all tree pits or over entire planting bed. Do not place mulch within 3" of tree or shrub trunks.*
11. *All landscape plantings shall be maintained in a healthy condition at all times. Any dead or diseased plants shall immediately be replaced "in kind" by the contractor (during warranty period) or project owner.*
12. *All landscape and mitigation plantings shall be installed by hand. No mechanical equipment shall be permitted.*



SHRUB PLANTING DETAIL
(N.T.S.)



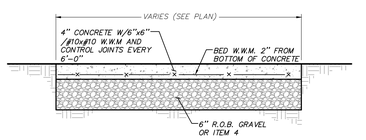
SEWER SERVICE LINE TRENCH DETAIL
(N.T.S.)



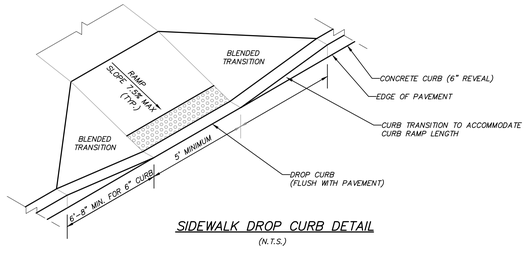
NOTE:
FABRIC FOR INSERT SHALL MEET THE FOLLOWING:

FABRIC PROPERTIES	MINIMUM ACCEPTABLE VALUE	TEST METHOD
Grab Tensile Strength (lbs)	110	ASTM D 4632
Mullen Burst Strength (PSI)	300	ASTM D 3786
Puncture Strength (lbs)	60	ASTM D 4833
Minimum Trapezoidal Tear Strength (lbs)	50	ASTM D 4533
Flow Through Rate (gal/min/sf)	25	ASTM D 4491
Equivalent Opening Size	40–80	US Std Sieve ASTM D 4751

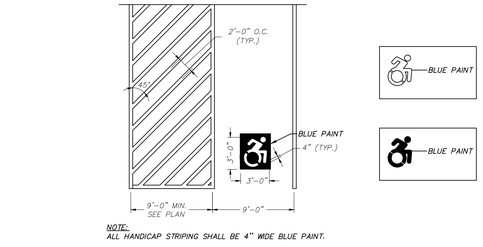
MANUFACTURED INSERT INLET PROTECTION DETAIL
(N.T.S.)



CONCRETE SIDEWALK DETAIL
(N.T.S.)



SIDEWALK DROP CURB DETAIL
(N.T.S.)

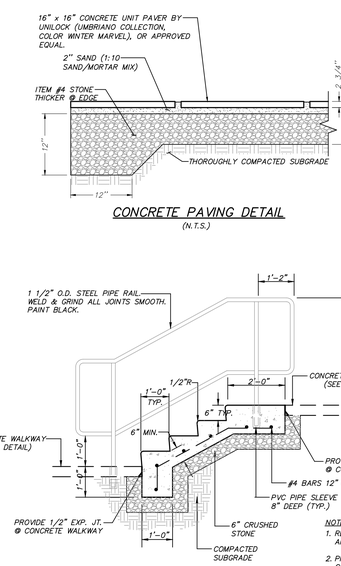


NOTE:
ALL HANDICAP STRIPING SHALL BE 4" WIDE BLUE PAINT.

PAINTED NYS ACCESSIBLE PARKING DETAIL
(N.T.S.)

GENERAL NOTES FOR ACCESSIBLE ROUTES:

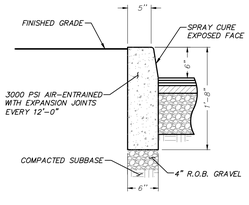
1. *Accessible routes to and within a site shall be provided from accessible building entrances to accessible pedestrian walkways, accessible facilities, accessible site elements and spaces, accessible parking spaces, access aisles, passenger loading zones, and to the public way, including public transportation stops, public streets and sidewalks. Accessible routes have been shown on Drawing No. SP–1.*
2. *These sheets are in accordance with the Americans with Disabilities Act (ADA) and the NYS Building Code for Site Accessibility.*
3. *Dimensions shown in the details as minimums and maximums are the limits for design and field layout. Facilities shall not be constructed with values outside the limits for work acceptance. See table "Design Element Tolerances" on this sheet.*
4. *To check field layout and to verify work acceptance, all slopes and grades will be measured with a 4' long digital level using at least two readings. Where the readings vary, the measurements will be averaged. Cross slope (running slope) will be measured along the centerline and offset 1' to 1'–6" from the centerline. Cross slopes will be measured perpendicular to centerline at 5' to 10' intervals.*
5. *Grade (running slopes) are measured in the direction of pedestrian travel. Cross slopes are measured perpendicular to the direction of pedestrian travel.*
6. *Joints between sidewalks, curbs, turning spaces and roadways shall be flush and free from abrupt vertical changes greater than 1/4". Vertical surface discontinuities between 1/4" and 1/2" shall be beveled with a slope not steeper than 1V:2H. The bevel shall be applied across the entire joint.*
7. *Sidewalks are connected to roadways by either blended transitions or curb ramps. Blended transitions are connections between the sidewalk level and the roadway level that have a maximum grade (running slope) of 5.0% and transitions greater than 5.0% are considered curb ramps.*
8. *Curb ramps and blended transitions may require the installation of detectable warnings. See additional "Detectable Warning" notes on this sheet, and sidewalk and curb ramp details included in the site plan set.*
9. *Vertical alignment shall be generally planar. Grade breaks within the pedestrian access route shall be perpendicular to the direction of travel and shall not be rounded.*
10. *Sidewalk grade (running slope) shall not exceed 4.5% for design and layout, except when matching into existing sidewalk or when the highway grade is steeper. When adjacent road grade is greater than 5.0%, the sidewalk grade shall not exceed the adjacent road grade.*
11. *The cross slope of pedestrian access routes shall be 1.5% maximum for design and layout, and 2.0% maximum for work acceptance. The following exceptions are allowed:*
    a. *Where pedestrian street crossings are provided at intersections without yield or stop control, or where there is any traffic signal without a flashing red, the cross slope of a pedestrian access route contained within a street crossing shall be 4.5% maximum for design and layout, and 5.0% maximum for work acceptance.*
    b. *Where midblock pedestrian street crossings are provided, the cross slope of a pedestrian access route contained within a midblock street crossing shall be permitted to equal the street or highway grade.*
12. *Marked Accessible Parking Spaces and Access Aisles:*
    a. *Dimensions – accessible parking spaces shall be at least 8' wide and shall have an adjacent access aisle 8' wide measured perpendicular to the stall stripe to accommodate vans with lifts.*
    b. *Common access aisles for 90° parking – two accessible parking spaces may share a common access aisle. For acute angled parking, such as 60° parking, or where one way driveway aisles would prevent vans with passenger side lifts from backing into accessible spaces, an accessible access aisle must be provided for each accessible parking space, width of access aisles and parking spaces are measured perpendicular to the striping.*
    c. *Signing – each accessible parking space shall be marked by permanently installed signs which display the International Symbol of Access. Each access aisle shall be marked by permanently installed signs indicating that stopping is not permitted in the aisle. Signs shall not block the accessible clear width of adjacent walkways. Signs located where they may be hit by vehicles being parked shall be installed in a post base. The bottoms of the signs located on posts installed in paved areas shall be 7' minimum above the walkway surface. The bottoms of signs located in unpaved area shall be 7' minimum above the pavement surface.*
    d. *Surface slopes – slopes at accessible parking spaces, access aisles, and adjoining walkways shall be 1.5% maximum in any direction for design and layout, and 2.0% maximum for work acceptance, while providing positive drainage.*
    e. *Overhead clearance – vehicle access routes to and from accessible parking spaces, including in garages and open parking structures, shall have a minimum vertical clearance of 8'–2".*
    f. *Pavement marking colors – required accessible parking space and access aisle striping and other optional pavement markings, such as the International Symbol of Access, shall be painted white or blue.*
    g. *A smooth, flush transition must be provided between all pedestrian walkways, accessible parking spaces and aisles.*
    h. *Where a change in direction is required to access a curb ramp from an access aisle, a turning space 4'–0" x 4'–0" minimum shall be provided at the base or the top of curb ramp, as applicable. The cross slope of turning spaces shall not exceed 1.5% in any direction for design and layout, and 2.0% for work acceptance, while providing positive drainage.*
13. *Sidewalk Curb Ramps:*
    a. *Walking surfaces of sidewalk curb ramps shall be stable, firm and slip resistant.*
    b. *The minimum width of a curb ramp shall be 4'–0". Refer to site plans and sidewalk curb ramp details for curb ramp widths.*
    c. *The grade (running slope) of a curb ramp shall be a minimum of 5.0% The grade for design and layout shall be 7.5% maximum, and 8.3% maximum for ADA accessibility and work acceptance.*
    d. *The cross slope of the curb ramp shall be as flat as possible and still provide positive drainage. The cross slope of a curb ramp shall not exceed 1.5% for design and layout, and 2.0% maximum for work acceptance.*
    e. *Where provided, side flares for curb ramps where a pedestrian circulation path crosses the curb ramp shall be 9.5% maximum for design and layout, and 10.0% maximum for work acceptance. The slope of flared sides is measured parallel to the curb line.*
    f. *Curb ramps at marked crosswalks shall be wholly contained within the markings, excluding any flared sides.*
    g. *Where a change in direction is required to utilize a curb ramp, a turning space shall be provided at the base or the top of curb ramp as applicable. Turning spaces shall be permitted to overlap clear spaces.*
    h. *Where there are no vertical constraints at the back of sidewalk, (e.g., vertical curb, buildings, fences) the turning space dimensions shall be 4'–0" x 4'–0" minimum. Where the turning space is constrained at the back of sidewalk, the turning space shall be 4'–0" x 5'–0" minimum. The 5'–0" dimension shall be provided perpendicular to the constraint.*
    i. *Turning spaces shall not be designed with cross slope greater than 1.5% in any direction for design and layout, while providing positive drainage. The maximum cross slope for work acceptance is 2.0%*
    j. *Beyond the bottom grade break, a clear space of 4'–0" x 4'–0" minimum shall be provided within the width of the pedestrian crosswalk, and outside the parallel vehicle travel lanes. The clear space may overlap turning spaces, detectable warning surfaces, and drop curb.*
14. *Detectable Warning:*
    a. *Detectable warning surfaces shall be provided at curb ramps and blended transitions at pedestrian street crossings.*
    b. *Detectable warning surfaces shall be provided where the pedestrian access route crosses driveways with signal, yield or stop control. Detectable warning surfaces shall not be provided at crossings of uncontrolled driveway aprons.*
    c. *Some detectable warning products require a concrete border for proper installation. If required, the border shall not exceed 2". Where the back of curb edge is tooled to provide a radius, the border dimension shall be measured from the inside edge of the curb radius.*
    d. *The details provided are not drawn to scale. The quantity of domes depicted on the detectable warning unit is for illustration only. The size of the detectable warning field shall be 2'–0" minimum in the direction of travel and shall extend the full width of the curb ramp or flush surface, excluding any flared sides. The width of the detectable warning field includes a concrete border, if provided.*
    e. *On slopes of 5.0% or greater, the rows of domes shall be aligned to be perpendicular or radial to the lower grade break on the ramp run. Where domes are arrayed radially, they may differ in dome diameter and center–to–center spacing within the ranges specified on sheet 2 of the New York State Department of Transportation (NYSDOT) Standard Sheets 608–01. On slopes less than 5.0% dome orientation is less critical and may differ from perpendicular or radial alignment to the grade break.*
    f. *The detectable warning field shall be the color specified in the contract documents. Detectable warning surfaces shall contrast visually with adjacent gutter, street, highway, or pedestrian access route surface, either light–on–dark or dark–on–light.*
    g. *Refer to sidewalk curb ramp details for additional information.*
15. *Walkways Along an Accessible Route:*
    a. *Walking surfaces shall be stable, firm and slip resistant.*
    b. *Vertical changes in level along walking surface shall not exceed 1/4" Changes in level greater than 1/4" in height and not more than 1/2" shall be beveled with a slope not steeper than 1V:2H.*
    c. *The running slope of the walking surfaces shall not be steeper than 4.5%*
    d. *The cross slope of a walking surface shall not be steeper than 1.5%*
    e. *The clear width of an accessible route shall be 3'–0" minimum.*
    f. *An accessible route with a clear width less than 5'–0" shall provide passing spaces at intervals of 200' maximum. Passing spaces shall be 5'–0" minimum by 5'–0" minimum.*
16. *Ramps along an accessible route:*
    a. *Ramp runs shall have a running slope greater than 5.0%*
    b. *Ramp runs shall have a running slope of 7.5% maximum for design and layout, and 8.3% maximum for work acceptance.*
    c. *The cross slope of ramp runs shall not exceed 1.5% for design and layout, and 2.0% maximum for work acceptance.*
    d. *Walking surfaces of ramp runs and associated landings shall be stable, firm and slip resistant.*
    e. *The clear width of a ramp run shall be 3'–0" minimum or as shown. Handrails and handrail supports provided on the ramp run shall not project into the required clear width of the ramp run or associated landing.*
    f. *The maximum rise for any ramp is 2'–6".*
    g. *The maximum run for any ramp is 30'–0".*
    h. *Ramps shall have landings at the bottom and top of each ramp run. Landings shall have a slope not to exceed 1.5% for design and layout, and 2.0% maximum for work acceptance, while providing positive drainage. Landings shall have a clear length and width of 5'–0" minimum.*
    i. *Adjacent finished grades along sides of ramp and landings shall not have a vertical drop–off greater than 1/2" within 10" of the edge of the concrete. If the adjacent finished grades do not meet this criterion, a 4" minimum high curb shall be provided (see plan for location).*
    j. *If drop–off to adjacent grade is 2'–6" or greater, "guards" will need to be provided to meet the requirements as specified in the NYS Building Code latest edition.*
    k. *Refer to concrete handicap ramp detail for additional information.*
17. *For access to and within refuse enclosures, refer to the Refuse Enclosure Detail.*



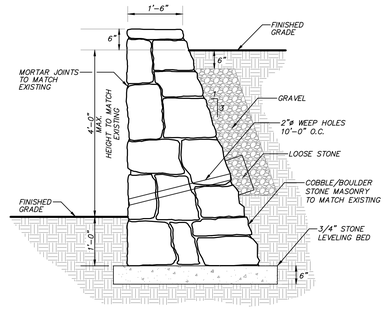
CONCRETE PAVING DETAIL
(N.T.S.)

NOTES:
1. REFER TO PLAN FOR NUMBER OF RISERS AND TREADS.
2. PROVIDE 1/2" EXPANSION JOINT BETWEEN CONCRETE STEPS AND RETAINING / SITTING WALLS.

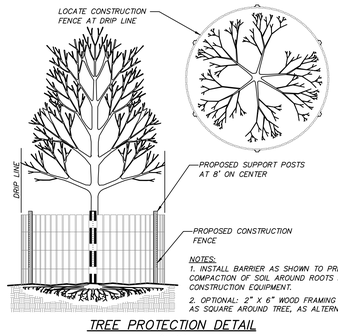
CONCRETE STEPS WITH RAILING DETAIL
(N.T.S.)



CONCRETE CURB DETAIL
(N.T.S.)

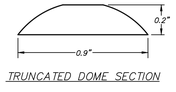


STONE RETAINING WALL DETAIL
(N.T.S.)

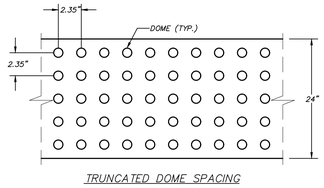


NOTES:
1. INSTALL BARRIER AS SHOWN TO PREVENT COMPACTION OF SOIL AROUND ROOTS BY CONSTRUCTION EQUIPMENT.
2. OPTIONAL: 2" X 6" WOOD FRAMING BUILT AS SQUARE AROUND TREE, AS ALTERNATIVE.

TREE PROTECTION DETAIL
(N.T.S.)



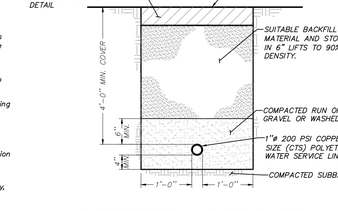
TRUNCATED DOME SECTION



TRUNCATED DOME SPACING

NOTES:
1. *The detectable warning field shall consist of raised truncated domes with a nominal diameter of 0.9 inches, a nominal height of 0.2 inches, and a nominal spacing of 2.35 inches on center in accordance with the Department of Justice–Code of Federal Regulations, 28 CFR Part 36, Chapter 4 "ADA Standards for Accessible Design", revised as of July 1, 1994.*
2. *The details provided are not drawn to scale. The quantity of domes depicted on the detectable warning field (the domes and the entire 24 inch level surface) is for illustration only.*
3. *The size of the detectable warning field shall be 24 inches in the direction of travel and shall extend the full width of the curb ramp or flush surface, exclusive of side flares.*
4. *Detectable warnings shall be located so that the edge of the warning field nearest to the roadway or street surface is 6 inches to 8 inches from the edge of the roadway/street, or from the front of the dropped curb, where a dropped curb continues across the bottom of the sidewalk curb ramp.*
5. *Domes shall be aligned on a square grid in the predominant direction of travel.*
6. *The detectable warning field shall be red. Detectable warning surfaces shall contrast visually with adjacent gutter, street, highway, or pedestrian access route surface, either light–on–dark or dark–on–light.*
7. *Provide a broom finish, flush to adjacent sidewalk/curb, on all areas to receive the detectable warning fields.*

TRUNCATED DOME DETAIL
(N.T.S.)



WATER SERVICE LINE TRENCH DETAIL
(N.T.S.)

NO.	DATE	REVISION	BY
2	2–6–25	REVISED PER ARCHITECT'S COMMENTS	MEU
1	10–15–24	REVISED FOR SED SUBMISSION	CMS

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225–9690
(845) 225–9717 fax
www.insite–eng.com

PROJECT:
PEARL RIVER LIBRARY
80 FRANKLIN AVE, TOWN OF ORANGETOWN, ROCKLAND COUNTY, NY

DRAWING:
DETAILS

STATE OF NEW YORK — RICHARD D. WILLIAMS — 095868 — LICENSED PROFESSIONAL ENGINEER
LICENSE NO. 095868
EXP. DATE: 08–30–2025

GRAPHIC SCALE
0 5 10 20
(IN FEET)
1inch = 10 ft.

PROJECT NUMBER	24125.100	PROJECT MANAGER	R.D.W.
DATE	6–6–24	DRAWN BY	C.M.S.
SCALE	1" = 10'	CHECKED BY	S.M.R.

DRAWING NO. D–1
SHEET 5 / 5

ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.

Z:\ES\24125100 Lathrop Pearl River Library\DWG\S-1.dwg, 2/4/2025 1:49:13 PM, author: LI

PLAN VIEW

ASBESTOS ABATEMENT WORK PLAN

Pearl River Public Library
50 Franklin Ave
Pearl River, NY 10603
(1st Floor Phased Asbestos Abatement Project)

Non-Destructive Surveys:

- Restrooms Renovation SED # 50-03-08-03-6-005-005
- Pearl River Public Library Renovation SED # 50-03-08-03-6-005-006

Approximate Asbestos Abatement Scope of Work:

Base Bid SOW:

- ACM VAT/Mastic: approx. 5,500 sq. ft. (multiple layer)
- ACM Wall Tile Grout: approx. 50 sq. ft.
- ACM Door Insulation: approx. 24 sq. ft.
- Potential additional concealed ACM/PACM in un-surveyed bathroom wet wall risers/shafts.

{Abatement Contractor to coordinate probe cuts with GC to access concealed ACM/PACM and including contingency line item cost}

CLIENT:
Eugenia Schatoff
Pearl River Public Library.
50 Franklin Avenue
Pearl River, NY 10603

SITE:
Pear River Public Library
50 Franklin Avenue
Pearl River, NY 10603

CONSULTANT:
Omega Env. Services
280 Huyler Street
S Hackensack, NJ07606
Tel: (201) 489-8700
Fax: (201) 342-5412

Project Designer:
Veronica Kero
License #: 91-00474
Professional Engineer:
Veronica Kero
License #: 087449-1



24-04-2830

REVISION

No.	Date
0	5/23/2024
1	
2	
3	

ASBESTOS LOCATION PLAN: Cover Page

DWG: 00.00

OMEGA ENVIRONMENTAL SERVICES, INC

PLAN VIEW



NOT TO SCALE

Table 1: Scope of Work Summary

Location(s)		Description of ACM Identified	Estimated Removal QTY	Abatement Procedure	Notes:
Floor	Area				
1st	Multiple Rooms/Offices	VAT/Mastic	5,500 sq. ft. *(multiple layers)*	NYSDOL Abatement Procedures & (small detached areas may be addressed using Tent Procedures)	Floor tile grinding required. Abatement Contractor to conduct additional probe cuts and/or selective demo in coordination with GC while the Bathroom is under containment to expose potential concealed TSI/ACM in wet walls. (*plumbing tie-in locations*)
	Men's/Women's Restroom	Wall Tile Grout	50 sq. ft.		
	Entrance to MER	Door Insulation	24 sq. ft.		

LEGEND:

- ACM VAT/Mastic (*multiple layers*)
- ACM Door Insulation
- ACM Wall Tile Grout
- Remote Worker Decon(s) and Work Area Perimeter
- AL — Airlock

Abatement Notes:

1. This Project falls under New York State jurisdiction, such that all abatement procedures and filings must performed in accordance with ICR 56 of Title 12 of the Official Compilation of Codes, Rules, and Regulations of the State of New York (Cited as 12 NYCRR Part 56).
2. Abatement scope of work includes the removal of ACM in the Pear River Library, 1st floor multiple rooms & offices.
3. Abatement Contractor is responsible for field verification of locations and the quantities of ACM. No change orders for extras shall be approved in the event the Abatement Contractor failed to verify the reported locations and quantities of ACM.
4. Building personnel will not have access to the portions of the building in which the work is being performed during the asbestos removal operation, except for an emergency.
5. A second emergency egress from each work area to be approved by the Owner/GC.
6. Abatement Contractor will be responsible for all filing fees and variance.
7. Abatement Contractor is responsible for 24/7 fire watch during abatement (if required).
8. Abatement Contractor is responsible for the removal of all ACM VAT/mastic, wall tile grout, and door insulation delineated in the asbestos abatement SOW area (as well as any concealed ACM).
9. Abatement Contractor to remove any ACM VAT/mastic extending under partition walls (see demo drawings for walls scheduled to be demolished).
10. After Abatement Contractor removes ACM grout tile wall and backer, concealed wet wall, risers, and shafts to be checked for additional asbestos pipe insulation (ACM/TSI).
11. For bidding purposes, assume a concealed quantity of 50-100 LF at up to five additional locations, where add/deduct pricing is to apply once final ACM quantities reconciled.
12. Abatement work must be conducted in strict accordance with Owner & Calgi Construction schedule.
13. Abatement Contractor to coordinate with the Owner & Calgi Construction for the exact AFD exhaust locations to the outside.
14. Building to remain vacant during the abatement period.
15. Owner will be responsible for re-locating all contents in the abatement work area prior to the onset of abatement activities, (disturbance of asbestos floor VAT/mastic not permitted).
16. Prior to the start of any prep work, the Owners Licensed Electricians, Plumbers, and other Tradesman shall lockout/tag-out existing systems utilities where disconnects are available outside the work area.
17. In the event of a schedule change request (i.e. double shifts, weekend work, holiday work, etc.), both the Owner and Omega must be notified in writing 48 hours prior and approved by the notified parties.
18. Abatement Contractor shall not be permitted to traverse adjacent occupied areas/building, routing to be coordinated with Owner.

CLIENT:
Eugenia Schatoff
Pearl River Public Library.
50 Franklin Avenue
Pearl River, NY 10603

SITE:
Pear River Public Library
50 Franklin Avenue
Pearl River, NY 10603

CONSULTANT:
Omega Env. Services
280 Huyler Street
S Hackensack, NJ07606
Tel: (201) 489-8700
Fax: (201) 342-5412

Project Designer:
Veronica Kero
License #: 91-00474
Professional Engineer:
Veronica Kero
License #: 087449-1

STATE OF NEW YORK * VERONICA KERO * LICENSED PROFESSIONAL ENGINEER 087449-1

24-04-2830

REVISION

No.	Date
0	5/23/2024
1	
2	
3	

ABATEMENT LOCATION PLAN: 1ST FLOOR - SCOPE OF WORK

DWG# 01.00

OMEGA ENVIRONMENTAL SERVICES, INC

EXISTING AND DEMOLITION TAG LEGEND

D00 DEMOLISH AREA OF WORK TO BASE BUILDING CONDITION. BASE BUILDING SHALL MEAN THE FOLLOWING:

1. EXPOSE FLOORS TO THE SLAB AND SCRAPED CLEAN OF GLUES AND OTHER REMAINING MATERIAL;
2. REMOVE ACOUSTICAL CEILING TILE, GRID AND EXPOSE THE STRUCTURE ABOVE. COORDINATE PRIMARY DISTRIBUTION OF MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS WITH MEP DRAWINGS
3. COORDINATE SECURITY AND FIRE ALARM SYSTEMS WITH MEP DRAWINGS
4. REMOVE UNUSED WIRING SHALL BACK TO THE ELECTRICAL PANEL.
5. REFERENCE MEP DEMOLITION DRAWINGS FOR PLUMBING AND MECHANICAL FIXTURES TO BE REMOVED.

D01	REMOVE COLD JOINT FILLER (HOMASOTE) AND CLEAN REMAINING DEBRIS TO ACCOMMODATE NEW WATERPROOFING WORK.
D02	REMOVE COLUMN ENCLOSURE.
D03	REMOVE METAL STAIR AND ASSOCIATED ELEMENTS
D04	REMOVE MILLWORK.
D05	REMOVE INTERIOR GYPSUM WALLBOARD AND OTHER ELEMENTS TO EXPOSE METAL STUDS AROUND ENTIRE INTERIOR BUILDING PERIMETER. (INCLUDING CLERESTORY LEVEL AND SECOND FLOOR)
D06	(UNUSED)
D07	(UNUSED)
D08	REMOVE WINDOW FRAME, HARDWARE AND ASSOCIATED ELEMENTS.
D09	(UNUSED)
D10	REMOVE STRUCTURAL STEEL BEAM IN THIS AREA – SEE STRUCTURAL DRAWINGS
D11	(UNUSED)
D12	REMOVE GLASS AND ALUMINUM OFFICE FRONT PARTITION.
D13	REMOVE MASONRY BLOCK AND STONE WALL
D14	(UNUSED)
D15	REMOVE AUTOMATIC SLIDING OFFICE FRONT DOORS AND SIDELIGHTS
D16	REMOVE MASONRY CHIMNEY ENTIRELY FROM FLOOR THROUGH THE ROOF
D17	REMOVE BRICK AND METAL STUD WALL ASSEMBLY FOR NEW OPENING.
D18	REMOVE SUSPENDED ACOUSTICAL BAFFLES.
D19	REMOVE METAL STUD AND GYPSUM BOARD SOFFIT AND EXTENDED STEEL SUPPORTS TO THE INTERIOR OF THE EXISTING WALL.
D20	REMOVE GYPSUM BOARD CEILING, HANGERS LIGHTS AND ASSOCIATED ELEMENTS.
D21	REMOVE CONCRETE SLAB ASSEMBLY IN THIS AREA.
D22	REMOVE EXISTING CORNERSTONE AND STORE FOR REINSTALLATION
D23	REMOVE TRELLIS, COLUMNS AND ASSOCIATED ELEMENTS NOT INTENDED FOR REUSE.
D24	REMOVE ROOF MEMBRANE, COVER BOARD, AND INSULATION THROUGHOUT LOW, MID, AND UPPER ROOF MATERIAL TO THE METAL DECK.
D25	REMOVE PORTION OF ROOF STRUCTURE TO ACCOMMODATE THE ELEVATOR SHAFT. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
D26	REMOVE EXTERIOR DOOR AND SIDELIGHTS TO ACCOMMODATE NEW WORK
D27	REMOVE ROOF DRAINS AND LEADERS.
D28	(UNUSED)
D29	SEE MECHANICAL DRAWINGS FOR REMOVAL OF EQUIPMENT. REMOVE METAL ROOF SLEEVE AND TEMPORARILY COVER OPENING.
D30	SAWCUT AND REMOVE SLAB TO ACCOMMODATE NEW ELEVATOR
D31	SAWCUT AND REMOVE SLAB FOR NEW BELOW SLAB PIPING OR CONDUIT
D32	(UNUSED)
D33	REMOVE TREE TO ACCOMMODATE NEW WORK. SEE CIVIL ENGINEERING DRAWINGS FOR ADDITIONAL INFORMATION.
D34	REMOVE EXPOSED OPEN WEB JOISTS IN THIS BAY.
D35	EXISTING EXPOSED PIPES TO REMAIN
D36	REMOVE EXISTING SKYLIGHT AND ASSOCIATED ELEMENTS TO ACCOMMODATE THE NEW WORK
D37	(UNUSED)

– REMOVE INTERIOR PARTITIONS

– INTERIOR PARTITION TO REMAIN

EXISTING AND DEMOLITION TAG LEGEND

D38	REMOVE PORTION OF ROOF, STRUCTURE AND OVERHANG TO ACCOMMODATE STAIR TOWER
D40	(UNUSED)
D41	(UNUSED)
D37	APPROXIMATE LOCATION OF BELOW SLAB PIPING
D38	AREA OF PROPOSED STAIR. REMOVE STRUCTURE, ROOF CEILINGS AND OTHER ELEMENTS TO ACCOMMODATE THE WORK FOR THE NEW STAIR.
D39	(UNUSED)
D40	EXISTING ROOF OVERHANG: REMOVE UNDERSIDE OF SOFFIT PLYWOOD TO GAIN ACCESS TO NEW WORK. REMOVE EXISTING EXTERIOR SOFFIT LIGHTING. RETAIN EXISTING FASCIA. SEE ROOF PLANS FOR ADDITIONAL WORK AND INFORMATION
D41	EXISTING TRELLIS TO REMAIN
D42	EXISTING EXTERIOR SOFFIT TO REMAIN IN THIS AREA
D43	CORE DRILL FOR CONDUIT PENETRATION.

CONSTRUCTION TAG LEGEND

C1	CLEAN AND PREPARE CONCRETE SUBSTRATE FOR FLOOR INSTALLATION. FLASH PATCH AND LEVEL FLOOR TO ACHIEVE FLOOR MANUFACTURERS LEVELING REQUIREMENTS.
C2	PROVIDE JOINT FILLER IN EXISTING COLD JOINT. 16–A406
C3	CEILING–HUNG PARTITIONS – SEE CEILING DETAIL DRAWINGS
C4	PROVIDE STEEL LOOSE LINTEL FOR BRICK MASONRY AND METAL STUD BOX BEAM HEADER FOR NEW OPENING.
C5	SOFFIT AT CLERESTORY PERIMTER 4–A702
C6	ADJUSTABLE SHELVING BRACKETS AND SHELVES. 16–A618
C7	(UNUSED)
C8	(UNUSED)
C9	FRAME AND FINISH NEW COLUMN ENCLOSURE. SEE DETAIL 9–A702
C10	(UNUSED)
C11	NEW CONCRETE FILLED METAL PAN STAIR WITH HAND RAILS AND GUARD RAILS.
C12	(UNUSED)
C13	(UNUSED)
C14	(UNUSED)
C15	(UNUSED)
C16	NEW CURVED ENTRANCE CANOPY. 8+19–A407
C17	(UNUSED)
C18	PROVIDE COPPER CAPS AT EXISTING COLUMNS – 19–A406 (SIMILAR)
C19	REPOINT EXISTING BRICK WALLS AND COLUMN ENCLOSURES.
C20	BRICK CLAD COLUMN TO MATCH EXISTING – 19–A406
C21	MILLWORK BASE CABINETS WITH PLASTIC LAMINATE COUNTERTOP.
C22	NEW UPLIT, POST MOUNTED, 12" HIGH, 3D BLOCK LETTER SIGN. STANDOFF MINIMUM 6 INCHES FROM ROOF. SEE SIGN DETAILS.
C23	MILLWORK PANEL DOOR TRACK SYSTEM – 12–A620
C24	MOTORIZED MOVEABLE PARTITION. BASIS OF DESIGN MODERNFOLD. FABRIC UPOLSTERED – 4–A616
C25	MANUAL MOVEABLE BI–FOLD PARTITION AND CUSTOM ENCLOSURE. BASIS OF DESIGN MODERNFOLD
C26	PATCH AND WATERPROOF FOUNDATION AT CONDUIT PENETRATION
C27	PROVIDE SLAB WITH RECESS FOR AUTOMATED DOOR TRACK. 6–A406
C28	RECESSED WALK OFF MAT (WOM) – 17–A406
C29	6" THICK HOUSEKEEPING PAD. COORDINATE PAD SIZE WITH FINAL EQUIPMENT.
C30	INFILL AND LEVEL SLAB TO MATCH EXISTING SLAB HEIGHT. PREPARE FOR NEW FLOORING. SEE STRUCTURAL DRAWINGS.
C31	INSTALL NEW RECESSED WALK OFF MAT, REFER TO MANUFACTURE INSTALLATION REQUIREMENTS – 17–A406
C32	ROUTE CONCRETE SLAB FOR NEW SLIDING DOOR TRACK (HAWA APERTO SYSTEM). 12–A620
C33	PAINTED WOOD WINDOW SILLS (ALL INTERIOR SILLS TYPICAL UNLESS OTHERWISE NOTED) 5–A702

CONSTRUCTION SYMBOLS LEGEND

1H	WALL TYPE 1H – 1 HOUR FIRE RATED PARTITION – 3–A631 AT 14–A361 IN AREAS WITH BAR JOISTS
2H	WALL TYPE 2H – 2 HOUR FIRE RATED PARTITION – 1–A631
CH	WALL TYPE CH – CHASE WALL – 5–A631
E	WALL TYPE E – EXISTING WALL. REFINISH AND REPAIR TO MATCH NEW WALL FINISHES
FH	WALL TYPE FH – FULL HEIGHT 3–5/8" STUD WALL – 4–A631
FH6	WALL TYPE FH6 – FULL HEIGHT 6" STUD WALL TYPE 2 – 4–A631
FR	WALL TYPE FR – FURRED WALL – 8–A631
FRX	WALL TYPE FRX – FURRED WALL EXTERIOR – FUR AND INSULATE EXTERIOR WALLS AT FIRST FLOOR AND CLERESTORY LEVEL AND SECOND FLOOR – 10–A631 INTEGRATE WALL INSULATION WITH WINDOW SYSTEM AND UNDERSIDE OF DECK SPRAY FOAM INSULATION TO FORM A COMPLETE AND CONTINUOUS INSULATION AND AIR BARRIER.
IF	WALL TYPE IF – INFILL WALL – INFILL EXISTING OPENING WITH WALL CONSTRUCTION, FIRE RATING AND FINISHES TO MATCH ADJACENT EXISTING WALLS.
L	WALL TYPE L – LAMINATED WALL – 9–A631
SW1	WALL TYPE SW1 – 1 HR RATED SHAFT WALL
OF1	WALL TYPE OF1 – OFFICE FRONT TYPE 1 (11'–8"± HIGH) – 20–A702
OF2	WALL TYPE OF2 – OFFICE FRONT TYPE 2 (8'–0"± HIGH) – 19–A702
OF3	WALL TYPE OF3 – OFFICE FRONT TYPE 3 (WITH WINDOW) – 18–A702
OF4	WALL TYPE OF4 – ENTRANCE FRONT WINDOW SYSTEM 17–A406 (AT WINDOW WALL)
OF5	WALL TYPE OF5 – INTERIOR WINDOW OFFICE FRONT 5–A632
SW1	WALL TYPE SW1 – ONE HOUR RATED SHAFT WALL – 2–A631
W6	WALL TYPE W6 – PARTIAL HEIGHT WALL WITH 6 INCH STUDS AND MILLWORK PENETRATIONS. 17 + 18–A616
W7	WALL TYPE W7 – 8'–0" HEIGHT WALL WITH 6 INCH STUDS

CONSTRUCTION SYMBOLS LEGEND

	EXISTING PARTITION TO REMAIN
	NEW PARTITION
	SHADED AREA DENOTES MILLWORK – PROVIDE CONCEALED BLOCKING FOR WALL MOUNTED MILLWORK
101	ROOM NUMBER DESIGNATIONS (SHOWN ON FURNITURE PLANS ONLY)
IFP	INSULATED FOUNDATION PANEL – CLEAR CORPORATION "WALL GUARD" WWW.TCLEAR.COM 800–544–7398
	WALL MOUNTED FIRE EXTINGUISHER – 10 LB ABC FIRE EXTINGUISHER
	RECESSED FIRE EXTINGUISHER – 10 LB ABC FIRE EXTINGUISHER
AHU	AIR HANDLER UNIT – SEE ENGINEERING DRAWINGS
AFF	ABOVE FINISH FLOOR
DS	DOWNSPOUT
FD	FLOOR DRAIN
FDC	FREE STANDING FIRE DEPARTMENT CONNECTION
FEC	RECESSED FIRE EXTINGUISHER CABINET WITH 10LB ABC FIRE EXTINGUISHER – 17–A631
FO	FINISHED OPENING
FPS	FIRE PULL STANCHION 18+19–A631
HP	HIGH POINT
OFRD	OVERFLOW ROOF DRAIN 4–A403
OH	OPPOSITE HAND
RD	ROOF DRAIN (4–A403 TYPICAL FOR NEW CONDITIONS)
RO	ROUGH OPENING

MILLWORK PULLS, GROMMETS AND BRACKETS

PULLS: DOUG MOCKETT AND COMPANY INC. DP128 SERIES – ROUND TOP DRAWER PULL, 6 11/16" LONG, 13/32" DIAMETER, 1 13/32" PROJECTION, 6 5/16" (160 MM) ON CENTER. FINISHES: SATIN STAINLESS STEEL, SATIN NICKEL, MATTE CHROME, MOCKETT.COM 800–623–I 1269

GROMMETS (A) – DOUG MOCKETT AND COMPANY INC. XG FLIP–TOP SERIES – 3" HOLE DESK GROMMET WITH FLIP–TOP CORD SLOT COVER. COLOR: MATTE BLACK MOCKETT.COM 800–623–I1269

GROMMETS (B) – DOUG MOCKETT AND COMPANY INC. RG3 – RECTANGULAR FLIP–TOP GROMMET SET WITH CAP AND LINER 4"x2" (ROUTED SLOT 3–3/4"x1–3/4") COLOR: MATTE BLACK. MOCKETT.COM 800–623–I1269

MILLWORK SUPPORT BRACKET – BASIS OF DESIGN: A+M HARDWARE MILLWORK SUPPORT BRACKETS. 1/8" STEEL BRACKETS 21x21 FOR 24 INCH DEEP COUNTERS AND ADJUSTED FOR OTHER COUNTER DEPTHS (3 INCHES FROM EDGE TYPICAL.) COLOR BLACK. 48 INCHES MAXIMUM SPACING AND CONNECTED DIRECTLY TO WALL STUDS OR BLOCKING

SYMBOL LEGEND

◁0035	PHOTO TAG – SEE PHOTO BOOK FOR IMAGE. NUMBERS CORRESPOND TO THE END OF THE FILE NAME

METAL GUARD RAIL NOTES AND DATA

WIRE MESH: BASIS OF DESIGN: McNICHOLS SQUARE, STAINLESS STEEL, TYPE 304, WELDED – UNTRIMMED, 1.0000" X 1.0000" OPENING (SQUARE), 0.120" THICK (11 GAUGE) WIRE DIAMETER, 80% OPEN AREA

EDGE PANELS WITH U–SHAPED CHANNELS MADE FROM METAL SHEET, NOT LESS THAN 0.043 INCH THICK. PAINT U–SHAPED CHANNELS TO MATCH GUARDRAIL. GRIND WELDS SMOOTH OR USE OTHER APPROVED CONNECTIONS.

PLUMBING TAG LEGEND

S1	SINK TYPE 1 – COMMUNITY ROOM – 13X17 VOLLRATH STAINLESS STEEL ADA COMPLIANT SINK AND WALL MOUNTED FAUCETS MODEL: PUREST BY KOHLER
S2	SINK TYPE 2 – CHILDREN'S PROGRAM ROOM – SOPHSTONE PREFAB SERIES: SCOOP 14' CUSTOM WALL MOUNTED SINK WITH 3 ADA COMPLIANT WALL MOUNTED FAUCETS MODEL: PUREST BY KOHLER
S3	SINK TYPE 3 – SLOP SINK AND FAUCET – SEE ENGINEERING DRAWINGS
S4	SINK TYPE 4 – STAFF ROOM – 17X21 REGENCY STAINLESS STEEL ADA COMPLIANT PANTRY SINK WITH GOOSENECK FAUCET
S5	SINK TYPE 5 – RESTROOMS – SLOAN AER–DEC WALL MOUNTED SINK AND DECK MOUNTED SLOAN AER–DEC (FAUCET,SOAP,DRYER) SYSTEM.
T0	TOILET – ADA COMPLIANT WALL MOUNTED ELONGATED TOILET WITH RECESSED FLUSHOMETER.

FIXTURES AND ACCESSORIES TAG LEGEND

TC	RECESSED TOILET COVER HOLDER – BOBRICK MODEL B–301
TP	TOILET PAPER HOLDER – BOBRICK MODEL B–3888
CH	COAT HOOK – ASI MODEL 0714
CT	RECESSED CHANGING TABLE – ASI MODEL 9013
GB2	GRAB BAR 42 – BOBRICK MODEL B–5806 SERIES
GB4	GRAB BAR 24 – BOBRICK MODEL B–5806 SERIES
GB6	GRAB BAR 36 – BOBRICK MODEL B–5806 SERIES
SD	RECESSED SANITARY NAPKIN DISPOSAL – BOBRICK MODEL B–353
M	MIRROR – ASI MODEL 0620
TD	TOWEL DISPENSER AND DISPOSAL – ASI MODEL 0469
MR	MOP/BROOM RACK – BOBRICK MODEL B223
FE	FIRE EXTINGUISHER ENCLOSURE
CH	CABINET HEATER – SEE MEP FOR INFORMATION

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
3	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
2	06-05-2024	ISSUED TO SED FOR PERMIT
1	05-15-2024	95% PROGRESS PRINT
	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

NOTES AND LEGENDS

PROJECT NO.: 2578-02

DRAWING NO.:

A001

REFLECTED CEILING PLAN TAG LEGEND

■	A	RECESSED INTERIOR/EXTERIOR DOWNLIGHT (SQUARE)
▣	B	RECESSED 2X2
▬	C	LINEAR WALL MOUNTED LIGHT
D	D	RECESSED DOWNLIGHT (ROUND)
E	E	GRID LIGHTING
F	F	PENDANT LIGHT (ROUND)
———	G	PENDANT LIGHT (STRAIGHT)
H1	H1	PENDANT LIGHT (44" RADIUS CURVE)
H2	H2	PENDANT LIGHT (114" RADIUS CURVE)
H3	H3	PENDANT LIGHT (185" RADIUS CURVE)
J1	J1	ACOUSTIC PENDANT LIGHT (5 1/2" RADIUS)
J2	J2	ACOUSTIC PENDANT LIGHT (9" RADIUS)
K1	K1	GALLERY WALL WASHER (SURFACE MOUNTED, PIVOT HINGE)
K2	K2	GALLERY WALL WASHER (SURFACE MOUNTED)
L	L	PENDANT LIGHT (ROUND)
M	M	WALL MOUNTED FIXTURE
		SURVEILLANCE CAMERA
		WALL MOUNTED EXIT SIGN. ARROW INDICATES DIRECTION OF EGRESS. LED EDGE LIT
		CEILING MOUNTED EXIT SIGN. ARROW INDICATES DIRECTION OF EGRESS. LED EDGE LIT
		SWITCH LOCATION – DOES INDICATE QUANTITIES 3'–9" ABOVE FINISHED FLOOR.
		SPRINKLER HEAD
		CEILING MOUNTED FIRE SIGNAL STROBE
		OCCUPANCY SENSOR
		WIFI ACCESS POINT
		SUPPLY AIR TERMINAL
		RETURN AIR TERMINAL
		LINEAR DIFFUSER
RP-1		RADIANT HEATING PANEL
		AREAS OF GYPSUM BOARD CEILING OR SOFFIT
S		ANNOUNCEMENT SPEAKER
		OCCUPANCY SENSOR
		CEILING GRID/ TILE START – MAY BE THE CENTER OF A TILE, CENTER OF A TILE EDGE OR INTERSECTION OF GRID SYSTEM.
T		THERMOSTAT
		FIRE ALARM STROBE
F		FIRE ALARM COMBINATION AUDIO/VISUAL DEVICE
F		FIRE ALARM PULL STATION
S		SMOKE DETECTOR
H		HEAT DETECTOR

R02	PATCH, REPAIR SAND AND RE–STAIN FASCIA BOARDS
R03	INSTALL EXTERIOR GRADE MDF SOFFIT BOARD. PAINT UNDERSIDE OF SOFFIT
(WTM–A)	WINDOW TREATMENT SOLAR SHADE: ROLLEASE ACMEDA EASY–LINK: DUEL FABRIC ROLLS WITH BLACKOUT, MANUALLY CHAIN OPERATED
(WTM–B)	WINDOW TREATMENT SOLAR SHADE: ROLLEASE ACMEDA EASY–LINK: SINGLE FABRIC ROLL, SEMI–OPAQUE MANUALLY CHAIN OPERATED
(WTM–C)	WINDOW TREATMENT SOLAR SHADE: ROLLEASE ACMEDA EASY–LINK: DUEL FABRIC ROLLS WITH BLACKOUT, MOTORIZED
(WTM–D)	WINDOW TREATMENT SOLAR SHADE: ROLLEASE ACMEDA EASY–LINK: SINGLE FABRIC ROLL, BLACKOUT, MOTORIZED

REFLECTED CEILING PLAN TAG LEGEND

ACT1	2X2 ACOUSTICAL CEILING – (BASIS OF DESIGN) ARMSTRONG OPTIMA 15/16" SQUARE TEGULAR SUSPENDED CEILING TILE MODEL 3354, 2' X 2' X 1" TILE FOR THE PRELUDE XL GRID SYSTEM.
ACT2	2X4 ACOUSTICAL CEILING – (BASIS OF DESIGN) ARMSTRONG OPTIMA 15/16" SQUARE TEGULAR SUSPENDED CEILING TILE MODEL 3354, 2' X 4' X 1" TILE FOR THE PRELUDE XL GRID SYSTEM.
ACT3	2X2 ACOUSTICAL CEILING – (BASIS OF DESIGN) ARMSTRONG SERPENTINA CEILING SYSTEM WITH 1/4" PERFORATIONS STAGGERED– ITEM NO. 1090–H–916–N/A
NC	NO CEILING – PAINT UNDERSIDE OF STRUCTURE AND DECKING PROTECT PIPING, DUCTS WIRING AND OTHER ELEMENTS FROM PAINT.
ECTR	EXISTING CEILING TO REMAIN

CH	CEILING HEIGHT ABOVE THE FINISHED SLAB
GBC	GYPSUM WALL BOARD CEILING
GBCE	GYPSUM WALL BOARD CEILING EXISTING TO REMAIN
GBS(–6)	GYPSUM WALL BOARD SOFFIT 6 INCHES LOWER THAN ADJACENT CEILING. 16–A702
GBS 71	GYPSUM WALL BOARD SOFFIT 7'–1"± (EXISTING HEIGHT) ABOVE FINISHED SLAB. 2–A404 SIMILAR
GBS 71A	GYPSUM WALL BOARD SOFFIT 7'–1"± (EXISTING HEIGHT) ABOVE FINISHED SLAB. 8–A702
GBS 84	GYPSUM WALL BOARD SOFFIT 8'–4"± ABOVE FINISHED SLAB. 16–A702 SIMILAR
GBS 96	GYPSUM WALL BOARD SOFFIT 9'–6" ABOVE FINISHED SLAB. 16–A702 SIMILAR
GBS E	GYPSUM WALL BOARD SOFFIT (EXISTING TO REMAIN)
GBS FRX	GYPSUM WALL BOARD SOFFIT (HEIGHT VARIES) 2–A404
GBS ME	GYPSUM WALL BOARD SOFFIT (MATCH EXISTING ADJACENT SOFFIT)

AP1	4' DIAMETER ACOUSTICAL LIGHT FIXTURE PANEL BY ORBIS II WITH OUTER ACRYLIC RING PENDANT LIGHT – SEE RCP A114.1 FOR MOUNTING HEIGHT
AP2	6' DIAMETER ACOUSTICAL LIGHT FIXTURE PANEL BY ORBIS II WITH OUTER ACRYLIC RING PENDANT LIGHT – SEE RCP A114.1 FOR MOUNTING HEIGHT
AP3	4'–8" DIAMETER BY 1–1/2" THICK CURVED ACOUSTICAL PANEL BY SOUND QUALITY CEILING CLOUDS. (1 PIECES) – MINIMUM 3 SUPPORT D–RINGS PER PANEL MOUNTED ON THE CEILING GRID. (PANEL MATERIAL COMES IN 4 X 10 SHEETS)
AP4	6'–2" DIAMETER BY 1–1/2" THICK CURVED ACOUSTICAL PANEL BY SOUND QUALITY CEILING CLOUDS. (1 PIECES) – MINIMUM 3 SUPPORT D–RINGS PER PANEL MOUNTED ON THE CEILING GRID. (PANEL MATERIAL COMES IN 4 X 10 SHEETS)
AP5	5' DIAMETER. OUTER RING, 3' DIAMETER. INNER RING BY 1–1/2" THICK ACOUSTICAL PANEL BY SOUND QUALITY CEILING CLOUDS. (3 PIECES) – MINIMUM 3 SUPPORT D–RINGS PER PANEL MOUNTED ON THE CEILING GRID. (PANEL MATERIAL COMES IN 4 X 10 SHEETS)
AP6	9'–5–5/8" DIAMETER CURVE TO 1'–3/4" HORIZONTAL ENDS. 1–1/2" THICK ACOUSTICAL PANEL BY SOUND QUALITY CEILING CLOUDS. (1 PIECES) RADIUS EDGE – MINIMUM 3 SUPPORT D–RINGS PER PANEL MOUNTED ON THE CEILING GRID. (PANEL MATERIAL COMES IN 4 X 10 SHEETS)
AP7	4' DIAMETER. OUTER RING, 16' DIAMETER. INNER RING BY 1–1/2" THICK ACOUSTICAL PANEL BY SOUND QUALITY CEILING CLOUDS. (3 PIECES) – D–RING MOUNTED ON CEILING TRACK

FINISH SCHEDULE

TAG	ITEM	MANUFACTURER	MODEL / PRODUCT DESCRIPTION	SIZE	COMMENTS/ NOTES	ROOM
CPT1	WALK OFF MAT	MATTER SURFACES	STYLE: GRAY BASE/ NY CHARCOAL SPLASH INSERT YYPRESUEGYCS	24" X 24"	RECESSED	1A
CPT2	CARPET TILE	MANNINGTON COMMERCIAL	STYLE: COLORCAST, COLOR: HYDRO 34258	18" X 36"	ASHLAR INSTALLATION PATTERN	5,6,7,9,10,11A, 207
CPT3	CARPET TILE	MANNINGTON COMMERCIAL	STYLE: TRANSMIT, COLOR: REQUEST 33652	24" X 24"	ASHLAR INSTALLATION PATTERN	5,7,10,11A,11B
CPT4	CARPET TILE	BENTLEY MILLS	STYLE:LONG STORY SHORT, COLOR: LAMPOO 401033	24" X 24"	ASHLAR INSTALLATION PATTERN	12,16,17,203
LVT1	LUXURY VINYL TILE	SHAW CONTRACT	STYLE: COVE 0927V, COLOR: WASH 27436	9" X 48" PLANK	SEE FLOOR PLAN FOR PATTERN	34,35,206,208,209 ELEVATOR
LVT2	LUXURY VINYL TILE	SHAW CONTRACT	STYLE: COVE 0927V, COLOR: LURE 27201	9" X 48" PLANK	SEE FLOOR PLAN FOR PATTERN	34,35,206,208,209
LVT3	LUXURY VINYL TILE	SHAW CONTRACT	STYLE: COVE 0927V, COLOR: JADE 27405	9" X 48" PLANK	SEE FLOOR PLAN FOR PATTERN	34,35,208
LVT4	LUXURY VINYL TILE	SHAW CONTRACT	STYLE: COVE 0927V, COLOR: SAPHIRE 27486	9" X 48" PLANK	SEE FLOOR PLAN FOR PATTERN	33A, 33B
LVT5	LUXURY VINYL TILE	SHAW CONTRACT	STYLE: COVE 0927V, COLOR: GRESSO 27520	9" X 48" PLANK	SEE FLOOR PLAN FOR PATTERN	9, 33A, 33B
LVT6	LUXURY VINYL TILE	INTERFACE	STYLE:STUDIO SET, COLOR: SLATE A00713	10" X 40"	SEE FLOOR PLAN FOR PATTERN	8A, 8B, 14, 15, 18
LVT7	LUXURY VINYL TILE	INTERFACE	STYLE:STUDIO SET, COLOR: TITANIUM A00705	10" X 40"	SEE FLOOR PLAN FOR PATTERN	13,201,201A,202
LVT8	LUXURY VINYL TILE	SHAW CONTRACT	STYLE: COVE 0927V, COLOR: GESSO 27520	9" X 48"	SEE FLOOR PLAN FOR PATTERN	208
LVT9	LUXURY VINYL TILE	SHAW CONTRACT	STYLE: COMPOUND 5.0MM 4074V, COLOR: BERYL 77429	24" X 24"	SEE FLOOR PLAN FOR PATTERN	13, 208, ELEV.
PFT1	PORCELAIN FLOOR TILE	GENROSE STONE AND TILE	STYLE: DAKOTA, COLOR: GREY, FINISH: NATURAL	12" X 24"/24" X 48"	RM1A 12"X24", RM1 24"X48"	1A,1,204,205
PFT2	PORCELAIN FLOOR TILE	GARDEN STATE TILE	STYLE: URBAN LIVING, COLOR: MIST GREY, MATTE RECTIFIED GSP1102643	12" X 24"		37A, 37B, 4142,
PWT1	PORCELAIN WALL TILE	CREATIVE MATERIALS CORP	STYLE: ARTISANAL, COLOR: WHITE, GLOSSY	3" X 12"		37A,41,42,204,205
PWT2	PORCELAIN WALL TILE	CREATIVE MATERIALS CORP	STYLE: OMNI, COLOR: DENIM, GLOSSY	3" X 6"	ACCENT	37A,41,42,204,205
PWB1	PORCELAIN WALL BASE	GENROSE STONE AND TILE	STYLE: DAKOTA, COLOR: GREY, FINISH: NATURAL	4" x 24"	FIELD CUT FROM 12" X 24" TILE AND FINISHED WITH SCHLUTER EDGE	37B
PT1	WALL PAINT	BENJAMIN MOORE	1591, STERLING, EGGSHELL FINISH	N/A	GENERAL PAINT	SEE FINISH PLAN
PT2	WALL PAINT	BENJAMIN MOORE	CHICAGO BLUES 804, EGGSHELL FINISH	N/A	ACCENT WALL BEHIND CIRCULATION DESK IN RM5 AND WINDOW WALL IN RM 9	5, 9
PT3	WALL PAINT	BENJAMIN MOORE	1622, MINERAL ALLOY, EGGSHELL FINISH	N/A	ACCENT AT WEST WALL	7
PT4	WALL PAINT	BENJAMIN MOORE	OC–152, SUPER WHITE, FLAT FINISH	N/A	SOFFITS, SKYLIGHT SOFFIT, GYP CEILINGS	IN GENERAL
PT5	NOT USED					
PT6	WALL PAINT	BENJAMIN MOORE	1621, LITTLE FALLS, EGGSHELL FINISH		LOWER UP TO 12 FEET AFF	33A, 33B
PT7	WALL PAINT	BENJAMIN MOORE	2125–60, MARILYN'S DRESS, EGGSHELL FINISH	N/A	UPPER FROM 12FEET AFF	33A, 33B
PT8	DOORS / TRIM PAINT	BENJAMIN MOORE	OC–152, SUPER WHITE, SEMI–GLOSS FINISH HOLLOW METAL DOORS AND FRAMES	N/A	COMM RM DOOR PANELS AND DOOR/WINDOW TRIMS	IN GENERAL
PT9	WALL PAINT	BENJAMIN MOORE	2124–10, WROUGHT IRON, EGGSHELL FINISH	N/A	ACCENT AT EAST WALL	8B
PT10	WALL PAINT AND COLUMNS	BENJAMIN MOORE	2034–60, LIGHT PISTACHIO, EGGSHELL FINISH	N/A	WALLS AND COLUMNS.	34, 35
PT11	WALL PAINT AND COLUMNS	BENJAMIN MOORE	2065–70, BASHFUL BLUE, EGGSHELL FINISH	N/A	ACCENT AT NORTH WALL IN RM35 AND COLUMNS.	34, 35
PT12	WALL PAINT	BENJAMIN MOORE	OC–22, CALM, EGGSHELL AND SEMI–GLOSS FINISH	N/A	SOFFITS/TRIM EGGSHELL SOFFITS AND SEMI–GLOSS TRIM	34, 35
PT13	WALL PAINT	BENJAMIN MOORE	2087–10, NEON RED, EGGSHELL FINISH	N/A	ACCENT EXT. OF RESTRM/ LACTATION IN CHILDREN'S RM	35
PT14	WALL PAINT	BENJAMIN MOORE	OC–152, SUPER WHITE, EGGSHELL FINISH	N/A	ACCENT ACCENT IN RM 203	12, 16, 17, 37A, 41, 42, 203
PT15	WALL PAINT	BENJAMIN MOORE	838, DENIM WASH, EGGSHELL FINISH	N/A	ACCENT ACCENT IN RM 16 AND 17	16, 17, 37B
PT16	WALL PAINT	BENJAMIN MOORE	1549, BALBOA MIST, EGGSHELL FINISH	N/A	STAFF LUNCH ROOM	13
PT17	WALL PAINT	BENJAMIN MOORE	2134–60 WHITE STONE	N/A	MER ROOM	19,210,211,212,213
WC1	WALLCOVERING	ARC–COM	STYLE: ENFORCE, NAME: ANKARA, COLOR: ACE–53761 LICHEN	N/A	BLEACH CLEANABLE, TYPE II, 33 OZ, PVC FREE	ALL COLUMNS
WC2	WALLCOVERING	MDC	DG1107 DESIGN GALLERY VIVA LA ART, PENCILED IN DENIM	52/ 54"	MODERFOLD DOORS	33A, 33B
SS1	SOLID SURFACE MATERIAL	WILSONART	ICE STATUARIO 9912SS	54"	CUSTOM CUT SHAPE. SEE CIRC DESK PLANS/ DETAILS	5
SS2	SOLID SURFACE MATERIAL	CORIAN	COLOR: GRAY ONYX	CUSTOM	COUNTERTOP	33B
SS4	SOLID SURFACE MATERIAL	CORIAN	COLOR: CARRARA CREMA		COUNTERTOP	13
PL1	PLASTIC LAMINATE	FORMICA	8683–58 GRASS CLOTH, MATTE FINISH		CABINETRY	––
PL2	PLASTIC LAMINATE	LAMINART	5307–T NATURAL GRAY CONCRETE, TEXTURED FINISH		WALL AND BASE CABINETS	13
PL3	PLASTIC LAMINATE	LAMINART	5062–T METALENE ASTRO, TEXTURED FINISH		CABINETRY	33B
PL4	PLASTIC LAMINATE	WILSONART	PHANTOM CHARCOAL 8214K–28		CABINETRY	5, 8B
PL5	NOT USED					
PL6	PLASTIC LAMINATE	WILSONART	Y0667 – BERRY	N/A	PANEL COVER	20
PL7	PLASTIC LAMINATE	WILSONART	Y0698 – BONAIRE	N/A	PANEL COVER	20
PL8	PLASTIC LAMINATE	WILSONART	Y0346 – QUINCE	N/A	PANEL COVER	20
PL9	PLASTIC LAMINATE	WILSONART	Y0644 – DUBLIN	N/A	PANEL COVER	20
MTL1	METAL ALUMINUM PANELS	MOZ METALS AND ARCHITECTURAL	FRONT PANEL: DARK GREY METALLIC POWDER COAT	.040" THICK	CIRC. DESK ALUMINUM BUBBLE PATTERN. SEE MILLWORK DWGS AND DETAILS.	5
MTL2	METAL ALUMINUM PANELS	MOZ METALS AND ARCHITECTURAL	BACK PANEL: CLASSIC NIGHT BLUE CLOUDS MATTE	.040" THICK	CIRC. DESK SOLID ALUMINUM. SEE MILLWORK DWGS AND DETAILS.	5
WD1	WOOD STAIN	BENJAMIN MOORE	MAHOGANY ES–60 SEMI–TRANS AND POLYURETHANE FINISH.	CUSTOM	CIRC. DESK WOOD FRAMES	5
WD2	WOOD STAIN	BENJAMIN MOORE	MAHOGANY ES–60 SEMI–TRANS AND POLYURETHANE FINISH.	CUSTOM	STAFF BOOK SHELVING	5
RST1	STAIR TREAD	MANNINGTON COMMERCIAL	BURKE STAIRWAY SYSTEMS, STYLE: COLORSCAPE SQUARE, COLOR: ROCKY 660	N/A	AT STAIRS	5,14
RSR1	STAIR RISER	MANNINGTON COMMERCIAL	BURKE STAIRWAY SYSTEMS, STYLE: COLORSCAPE SQUARE, COLOR: ROCKY 660	N/A	AT STAIRS	5,14
WT1	LAMINATED PRIVACY FILM	FASARA GLASS FINISHES	GLASS FILM: GRADATION – ILLUMINA SH2FGIM	CUT TO WINDOW SIZE	APPLIED TO WINDOWS AT STAFF : NON–FICTION	33B
RWB1	RUBBER WALL BASE	TARKETT / JOHNSONITE	COLOR: 38 PEWTER	4"	CONTINUOUS WALL BASE	SEE FINISH PLAN
RWB2	RUBBER WALL BASE	TARKETT / JOHNSONITE	COLOR: VL2 WHISPERING MIST	4"	CONTINUOUS WALL BASE	13
RWB3	RUBBER WALL BASE	METROWALL	COLOR: 58 WINDSOR BLUE	4"	CONTINUOUS WALL BASE	35, 34, 20
EPT1	EPOXY WATERPROOF FLOORING	STONHARD	STONGARD MR: COLOR: COOL SHALE	SEE SPECIFICATIONS	INTEGRAL WALL BASE – SEE 7/A703	5,19,210,211,212,213
IWB	EPOXY INTEGRATED WALL BASE	STONHARD	STONGARD MR: COLOR: COOL SHALE	SEE SPECIFICATIONS	INTEGRAL WALL BASE – SEE 7/A703	19,210
RSP1	RAIN SCREEN PANEL	TRESPA METEON: FACADES	NATURALS–NA12 : NATURAL CHALKSTONE, MATT	VARIES	AT MAIN ENTRANCE, STAFF ENTRANCE AND STAIR TOWER.	EXTERIOR
RSP2	RAIN SCREEN PANEL	MORIN	EXTERIOR METAL PANEL, TWO FLUROPON COATINGS. COLOR: BONE WHITE.	VARIES	CHILLER PIT WALLS	EXTERIOR

EQUIPMENT TAG LEGEND

CM	COFFEE MAKER – PROVIDED BY OWNER. CONTRACTOR TO PROVIDE 1/4" COPPER LINE WATER SERVICE.
DW	DISHWASHER – PROVIDED BY OWNER. CONTRACTOR TO PROVIDE PIPING AND CONNECTIONS
MV	COUNTER TOP MICROWAVE – PROVIDED BY OWNER
RF	REFRIGERATOR – PROVIDED BY OWNER. CONTRACTOR TO PROVIDE 1/4" COPPER LINE WATER SERVICE.
PS	PROJECTOR SCREEN – CEILING MOUNTED, TENSIONED ELECTRIC SCREEN, PROVIDED BY IT/DATA CONSULTANT. A123 FOR LOCATION & 1/A616 FOR MOUNTING DETAIL
PJ	PROJECTOR – PROVIDED BY IT/DATA CONSULTANT, POWER AND DATA PROVIDED BY ELECTRICAL CONTRACTOR. A152 FOR LOCATION & 6/A616 FOR DETAIL.

POWER AND TELEPHONE LOCATION TAG LEGEND

	ELECTRICAL DUPLEX – 18" A.F.F. UNLESS OTHERWISE NOTED
	ELECTRICAL DUPLEX FLOOR BOX
	ELECTRICAL QUAD OUTLET – 18" A.F.F. UNLESS OTHERWISE NOTED
	ELECTRICAL DUPLEX WITHIN FURNITURE SYSTEM (BY FURNITURE VENDOR)
T	TEL|DATA OUTLET – 18" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED – PROVIDE CONDUIT WITH DRAG LINE TO A LOCATION ABOVE THE INTERIOR CEILING.
T	FLOOR BOX DATA PORT – PROVIDE CONDUIT TO A LOCATION ABOVE THE INTERIOR CEILING WITH DRAG LINE TO A LOCATION ABOVE THE INTERIOR CEILING.
T	TEL|DATA OUTLET – LOCATED WITHIN FURNITURE SYSTEM. PROVIDE JUNCTION BOX AND CONDUIT WITH DRAG LINE FROM WHIP LOCATION TO A LOCATION ABOVE THE FINISHED CEILING WITH DRAG LINE
W	TEL|DATA WHIP FOR FURNITURE SYSTEM – COORDINATE REQUIREMENTS WITH FURNITURE VENDOR. PROVIDE CONDUIT WITH DRAG LINE TO A LOCATION ABOVE THE INTERIOR CEILING
	FLUSH FLOOR BOX FOR DATA WIRING. PROVIDE UNDERSLAB CONDUIT WITH DRAG LINE TO A LOCATION ABOVE THE INTERIOR CEILING.
A	AUTOMATIC OPERATOR
C	ELEVATOR CALL BUTTON – (PER ELEVATOR MANUFACTURER)
C	CARD READER FAB (LOCATED ON DOOR)

POWER AND TELEPHONE LOCATION TAG LEGEND

E	ELECTRIC LOCK
H	ELECTRIC HINGE
W	ELECTRICAL WHIP FOR FURNITURE SYSTEM – PROVIDE BY FURNITURE VENDOR. FINAL CONNECTION BY CONTRACTOR
	FLUSH FLOOR MOUNTED ACCESS POINT FOR ELECTRICAL WIRING TO MILLWORK
E	ELEVATOR INDICATOR LIGHT – (PER ELEVATOR MANUFACTURER)
INT	INTERCOM
LC	LIGHTING CONTROL SYSTEM – SEE ENGINEERING DRAWINGS
K	KEY OPERATED, TAMPER PROOF, CONSTANT PRESSURE CONTROL STATION SWITCH FOR MOTORIZED PARTITION
T	THERMOSTAT LOCATION – SEE ENGINEERING DRAWINGS

$	SWITCH – (DOES NOT INDICATE QUANTITIES) LOCATED 3'–9" AFF UNLESS OTHERWISE NOTED. SEE ENGINEERING DRAWINGS.
IMW	DEVICE LOCATED IN MILLWORK. COORDINATE WITH MILLWORK
SEFL	SEE ELEVATIONS FOR DEVICE LOCATION
CWE	COORDINATE LOCATION WITH EQUIPMENT
+48	INDICATES DEVICE HEIGHT ABOVE FLOOR TO CENTERLINE OF DEVICE

FINISH TAGS AND FLOOR TRANSITION TAG LEGEND

S1	SILL TYPE S1 – EXTERIOR GRADE ADA COMPLAINT SADDLE 8–A703
S2	SILL TYPE S2 – CARPET TO LVT TRANSITION (ON CENTERLINE OF DOOR AT OPENINGS) – 9–A703
S3	SILL TYPE S3 – TILE TO LVT FLUSH TRANSITION WITH SCHLUTER METAL EDGE (ON CENTERLINE OF DOOR AT OPENINGS) – 15–A703
S4	(UNUSED)
S5	SILL TYPE S5 – LVT TO SLAB (ON CENTERLINE OF DOOR AT OPENINGS) – 13–A703
S6	SILL TYPE S6 – INTERIOR ENTRANCE DOOR – 6–A406
S7	SILL TYPE S7 – EXTERIOR ENTRANCE DOOR SADDLE – 17–A406
S8	SILL TYPE – ELEVATOR DOOR SILL (PER MANUFACTURER) WITH VINYL REDUCING STRIP 17–A603 WITH REDUCING STRIP SIMILAR TO 13–A703
S9	SILL TYPE S9 – MATERIAL TRANSITION AT TOP OF STAIR. FLUSH TRANSITION
NT	NO MATERIAL TRANSITION. COLOR TRANSITIONS (WHEN PRESENT) SHALL CHANGE AT THE DOOR CENTERLINE.
(MTE)	METAL EDGE TRIM – SCHLUTER . SEE INTERIOR ELEVATIONS ON A620

WINDOW LEGEND

WD1	WINDOW TYPE 01 – 5'–3 1/4" X 7'–8" TRIPLE PANE WITH LAMINATED GLAZING ON EXTERIOR FACE WITH STEEL POLYMER FRAME WINDOW BY INTUS OR APPROVED EQUAL
WD2	WINDOW TYPE 02 – 4'–0"X4'–0" TRIPLE PANE, STEEL POLYMER WINDOW BY INTUS OR APPROVED EQUAL

one eighth inch = one foot 1/8" 0 1 2 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT|AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
1	12-20-2024	NYSED COMMENT REVISIONS
2	1/28/2025	SED PERMIT AMENDMENT 01

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

NOTES AND LEGENDS

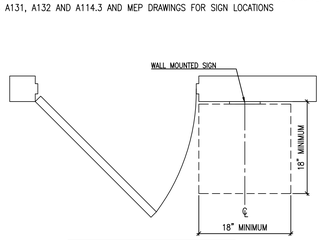
PROJECT NO.: 2578-02

DRAWING NO.:

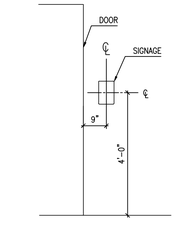
A002

BUILDING SIGNAGE SCHEDULE

GENERAL CONTRACTOR IS TO PROVIDE SIGNS IN COMPLIANCE WITH BUILDING CODE CHAPTER 1111 AND ICCA 117.1–2009
SEE PLANS A131, A132 AND A114.3 AND MEP DRAWINGS FOR SIGN LOCATIONS



SIGN MOUNTING REQUIREMENTS PLAN



SIGN MOUNTING REQUIREMENTS ELEVATION



SIGN 1 – NURSING ROOM



CUSTOM SIGN TO READ AS FOLLOWS
STAIR 1
FLOORS 1–2
NO ROOF ACCESS
1
FLOOR 1
EXIT LEVEL
TO EXTERIOR

SIGN 5 – STAIR/LEVEL DESIGNATION



SIGN 2 – MENS RESTROOM



CUSTOM SIGN TO READ AS FOLLOWS
STAIR 1
FLOORS 1–2
NO ROOF ACCESS
2
FLOOR 2
EXIT DOWN
TO FLOOR 1

SIGN 6 – STAIR/LEVEL DESIGNATION



SIGN 3 – WOMENS RESTROOM



CUSTOM SIGN TO READ AS FOLLOWS
STAIR 2
FLOORS 2–3
ROOF ACCESS
2
FLOOR 2
EXIT DOWN
AT STAIR 1

SIGN 7 – STAIR/LEVEL DESIGNATION



SIGN 4 – FAMILY RESTROOM



CUSTOM SIGN TO READ AS FOLLOWS
STAIR 2
FLOORS 2–3
ROOF ACCESS
3
FLOOR 2
EXIT DOWN
TO FLOOR 2

SIGN 8 – STAIR/LEVEL DESIGNATION

CAUTION ELECTRICALLY POWERED PARTITION
ONLY APPROPRIATELY TRAINED STAFF MAY OPERATE THIS PARTITION. CONTROL STATIONS MUST BE ATTENDED BY STAFF MEMBERS WHILE THE PARTITION IS IN MOTION. STAFF MEMBERS MUST STAND ON OPPOSITE SIDES OF THE OPENING OR CLOSING PARTITION. STUDENTS MUST STAY AWAY FROM THE PARTITION WHEN IN MOTION.

SIGN 9 – MOVABLE PARTITION CONTROL STATION

NOTE: INSTALL ABOVE PARTITION OPERATION SWITCH

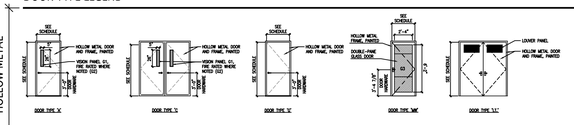
DOOR SCHEDULE

	DOOR NO.	FROM/TO	DOOR SIZE	MANUFACTUER	DOOR MAT	FRAME MAT	DOOR FINISH	FRAME FINISH	DOOR TYPE	FIRE RATING	LOCKED SIDE	HARDWARE SET SEE SPECIFICATIONS	ADDITIONAL NOTES
	101	EXTERIOR NORTH : VESTIBULE	6'–0" x 7'–2"	KAWNEER	HM	HM	MFR.	MFR.	E2		VESTIBULE	SET: 1.0	AUTOMATIC SLIDING BREAKAWAY DOOR
	102	VESTIBULE : LOBBY	6'–0" x 7'–2"	KAWNEER	HM	HM	MFR.	MFR.	E2		LOBBY	SET: 1.0	AUTOMATIC SLIDING BREAKAWAY DOOR
	103	LOBBY : CIRCULATION AREA	6'–0" x 7'–2"	KAWNEER	HM	HM	MFR.	MFR.	B		CIRCULATION	SET: 1.0	AUTOMATIC SLIDING BREAKAWAY DOOR
	104	LOBBY : LEARNING LAB	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M		LEARNING LAB	SET: 12.0	SINGLE – CARD ACCESS
	105	LOBBY : COMMUNITY RM	5'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	C		LOBBY	SET: 7.0	PAIR W/ PANICS
	106	COMMUNITY RM : VESTIBULE	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	F		COMMUNITY RM	SET: 6.0	SINGLE W/ PANIC
	107	BROWSING : LEARNING LAB	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M		BROWSING CORRIDOR	SET: 12.0	SINGLE – CARD ACCESS
	108	BROWSING : LEARNING LAB	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M		BROWSING CORRIDOR	SET: 12.0	SINGLE – CARD ACCESS
	109	LEARNING LAB : STORAGE	5'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G			SET: 15.0	
	110	LEARNING LAB : STORAGE	5'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G			SET: 15.0	
	111	GALLERY HALL : STAFF	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A		CIRC/REF	SET: 12.0	SINGLE – CARD ACCESS
	112	CHILDRENS GARDEN:SIDEWALK	3'–0" x 7'–0"	FENCING	–	–	MFR.	MFR.	–		–	SET: 21.0	ADDITIONAL HARDWARE SUPPLIED BY GATE MANUFACTURER.
	114	STAFF MEETING RM: STAFF OFFICE	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A		STAFF	SET: 12.0	SINGLE – CARD ACCESS
	115	COMMUNITY ROOM 1 : CHILDRENS PROGRAM CORR	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A			SET: 6.0	SINGLE W/ PANIC, ALARMED W/ SCREAMER
	116	CHILDRENS LIBRARY : CHILDRENS PROGRAM CORR.	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A			SET: 6.0	SINGLE W/ PANIC
	117	CHILDRENS LIBRARY : RESTROOM	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		RESTROOM	SET: 19.0	UNDERCUT DOOR
	118	CHILDRENS LIBRARY : RESTROOM LACTATION	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		LACTATION	SET: 19.0	UNDERCUT DOOR
	119	CHILDRENS PROGRAM CORRIDOR : EXTERIOR EXIT	3'–8" x 6'–8"	ASSA ABLOY	HM	HM	MFR.	MFR.	E1.2			SET: 3.0	EXTERIOR DOUBLE HM – CARD ACCESS
	119A	CHILDRENS PROGRAM RM : CLOSET	6'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G			SET: 15.0	
	119B	CHILDRENS PROGRAM RM : CLOSET	6'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G			SET: 15.0	
	120	STACKS : DIRECTORS OFFICE	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		STACKS	SET: 12.0	SINGLE – CARD ACCESS
	121	STAFF OFFICE : SECURE STORAGE	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		STACKS	SET: 12.0	SINGLE – CARD ACCESS
	122	DIRECTORS OFFICE : STAFF	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A		STAFF	SET: 12.0	SINGLE – CARD ACCESS
	123	ASSISTANTS OFFICE : STAFF	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A		STAFF	SET: 12.0	SINGLE – CARD ACCESS
	124	CIRCDESK : STAFF	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A		STAFF	SET: 12.0	SINGLE – CARD ACCESS
	124A	ELEVATOR SHAFT ACCESS DOOR	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		STORAGE CL.	SET: 16.0	
	124B	UNDER STAIR CLOSET DOOR	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		BROWSING	SET: 12.0	
	133	COMMUNITY RM : EXTERIOR EAST	3'–0" x 7'–0"*	ASSA ABLOY	HM	HM	MFR.	MFR.	G		EXTERIOR	SET: 4.0	EXTERIOR HM SINGLE
	134	NONFICTION : STAFF AREA	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A		NONFICTION	SET: 12.0	SINGLE – CARD ACCESS
	135	STAFF OFFICE : CUSTODIAL	6'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G			SET: 20.0	BYPASS PAIR – LOCKABLE
	136	STAFF : RESTROOM WOMENS	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		STAFF	SET: 19.0	UNDERCUT DOOR
	137	STAFF : RESTROOM MENS	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		STAFF	SET: 19.0	UNDERCUT DOOR
	138	MER	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G	*45 MINUTE FIRE RATED*	STAFF	SET: 18.0	MECH/ELEC; EQUIP ROOM – PANIC; CARD ACCESS,
	139	STAFF OFFICE : CIRC. SUPERVISOR	3'–0" x 7'–0"	*PARTITION*	HM	HM	MFR.	MFR.	G		CIRC SUPERVISOR	SET: 10.0	PROVIDE COAT HOOK FOR OFFICE DOORS.
	140	STAFF WORK RM: STAFF LUNCH RM	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M		STAFF	SET: 10.0	PROVIDE COAT HOOK FOR OFFICE DOORS.
	141	STAFF VESTIBULE: STAFF AREA	4'–4"x 7'–0"	ASSA ABLOY	HM.	HM.	MFR.	MFR.	E1.2		VESTIBULE	SET: 8.0	OFFICE AREA PAIR *45 MINUTE FIRE RATED*
	142	STAFF VESTIBULE: EXTERIOR EXIT	5'–5" x 6'–8"	ASSA ABLOY	AL.	AL.	MFR.	MFR.	E1		EXTERIOR	SET: 2.0	EXTERIOR ALUM PAIR – CARD ACCESS
	143	PEARL RIVER ROOM: TEEN READING	6'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	B		TEEN READING	SET: 9.0	CONFERENCE PAIR
	144	NONFICTION: EXTERIOR EXIT	3'–0" x 6'–8"	ASSA ABLOY	AL.	AL.	MFR.	MFR.	E3		EXTERIOR	SET: 4.0	EXTERIOR HM SINGLE, SIDELIGHTS EQUAL EACH SIDE
	145	GALLERY HALL 1 : BROWSING	4'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	M		GALLERY HALL 2	SET: 1.0	AUTOMATIC SLIDING BREAKAWAY DOOR
	158	CIRCULATION : CHILDREN GALLERY HALL	8'–0" x 7'–6"	ASSA ABLOY	HM	HM	MFR.	MFR.	D		GALLERY HALL 2	SET: 1.0	AUTOMATIC SLIDING BREAKAWAY DOOR
	201	GALLERY HALL 2 : EQUIPMENT ROOM	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		GALLERY HALL 3	SET: 13.0	DOUBLE – CARD ACCESS *45 MINUTE FIRE RATED*
	202	GALLERY HALL 2 : MEETING ROOM	5'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A		GALLERY HALL 4	SET: 12.0	SINGLE – CARD ACCESS
	203A	GALLERY HALL 2 : PEARL RIVER PROGRAM ROOM	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A		EQUIPMENT ROOM	SET: 12.0	SINGLE – CARD ACCESS
	203B	GALLERY HALL 2 : PEARL RIVER PROGRAM ROOM	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A		EQUIPMENT ROOM	SET: 12.0	SINGLE – CARD ACCESS
	204	EQUIPMENT ROOM : SECURE STORAGE	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		RESTROOM	SET: 16.0	
	205	CORR 2 : RESTROOM	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		RESTROOM	SET: 19.0	UNDERCUT DOOR
	206	CORR 2 : RESTROOM	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G			SET: 19.0	UNDERCUT DOOR
	207	CORR 2 : STAFF CORR	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A		STAFF CORR	SET: 5.0	CORRIDOR SINGLE – ACCESS CONTROLLED; FAIL–SAFE PANIC
	208	STAFF CORR : CUSTODIAL CLOSET	6'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		STAFF ROOM	SET: 17.0	
	209	STAFF CORR : STAFF ROOM	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A		EQUIPMENT ROOM	SET: 11.0	CLASSROOM LOCK
	210	EQUIPMENT ROOM : RATED ENCLOSURE	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		EQUIPMENT ROOM	SET: 15.0	
	211	EQUIPMENT ROOM : NETWORK CLOSET	6'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G			SET: 17.0	
	212	EQUIPMENT ROOM : STAIRWELL UP	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A			SET: 14.0	STAIR; CORRIDOR
	213	EQUIPMENT ROOM : STAFF CORR	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A	*45 MINUTE FIRE RATED*		SET: 18.0	MECH/ELEC; EQUIP ROOM – PANIC; CARD ACCESS
	214	STAFF CORR : STAIRWELL DOWN	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A			SET: 14.0	STAIR; CORRIDOR
RESTROOM PROJECT	126	RESTROOM LOBBY : FAMILY RESTROOM	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		LOBBY	SET: 19.0	UNDERCUT DOOR
RESTROOM PROJECT	127	RESTROOM LOBBY : BROWSING	6'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	C		BROWSING		
RESTROOM PROJECT	128	RESTROOM LOBBY : JANITORS CLOSET	6'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		RESTROOM LOBBY		
RESTROOM PROJECT	129	RESTROOM LOBBY : FAMILY RESTROOM	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		RESTROOM	SET: 19.0	
RESTROOM PROJECT	130	RESTROOM LOBBY : WOMANS RESTROOM	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		RESTROOM	SET: 19.0	
RESTROOM PROJECT	131	RESTROOM LOBBY : MENS RESTROOM	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		RESTROOM	SET: 19.0	UNDERCUT DOOR
ALTERNATE AREA SCHEDULE	A01	MEETING ROOM : STACKS	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M			SET: 16.0	
ALTERNATE AREA SCHEDULE	A02	MEETING ROOM : STACKS	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M			SET: 16.0	
ALTERNATE AREA SCHEDULE	A03	MEETING ROOM : STACKS	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M			SET: 16.0	
ALTERNATE AREA SCHEDULE	A70	MEETING ROOM : STACKS	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M			SET: 16.0	
ALTERNATE AREA SCHEDULE	A71	MEETING ROOM : STACKS	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M			SET: 16.0	
ALTERNATE AREA SCHEDULE	A72	MEETING ROOM : STACKS	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M			SET: 16.0	
ALTERNATE AREA SCHEDULE	A73	MEETING ROOM : STACKS	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M			SET: 16.0	
ALTERNATE AREA SCHEDULE	A74	MEETING ROOM : STACKS	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M			SET: 16.0	

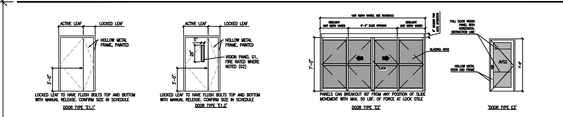
CONTRACTOR TO VERIFY ALL EXTERIOR DOOR DIMENSIONS IN FIELD PRIOR TO ORDERING.

DOOR TYPE LEGEND

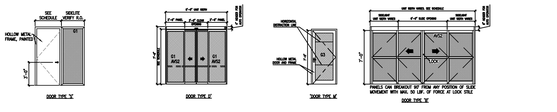
HOLLOW METAL



EXTERIOR ALUMINUM



INTERIOR ALUMINUM



INTERIOR WOOD CORE PANEL DOORS



GLAZING SCHEDULE

IGU1	INSULATED GLASS UNIT: VISION GLASS, DOUBLE GLAZES, TEMPERED SAFETY GLAZING
IGU2	INSULATED GLASS UNIT: VISION GLASS, DOUBLE GLAZES, LAMINATED SAFETY GLAZING
G1	MONOLITHIC INTERIOR VISION SAFETY GLAZING, TEMPERED
G2	WIRED GLASS: FLAT GLASS WITH EMBEDDED WIRE MESH
G3	INTERIOR VISION GLASS, DOUBLE GLAZES FOR METROWALL PARTITIONS (TEMPERED)
G4	INTERIOR VISION GLASS, DOUBLE GLAZES FOR METROWALL PARTITIONS (LAMINATED)

APPLIED VISION SCREEN SCHEDULE

AVS1	TRANSLUCENT FILM APPLIED TO GLASS 18–A702
AVS2	DISTRACTION MARKER FILM APPLIED TO GLASS 1–A703

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
3	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
2	06-05-2024	ISSUED TO SED FOR PERMIT
1	05-15-2024	95% PROGRESS PRINT
	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

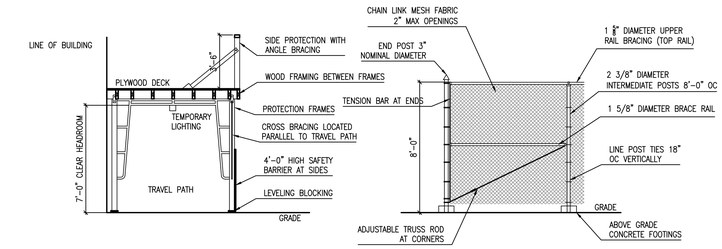
NOTES AND LEGENDS

PROJECT NO.: 2578-02

DRAWING NO.:

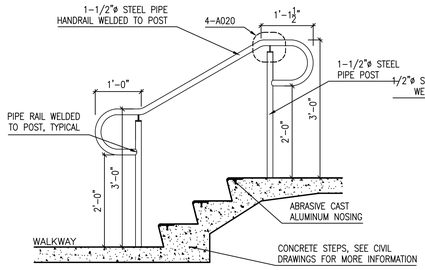
A003

one eighth inch = one foot
0 4 8 16

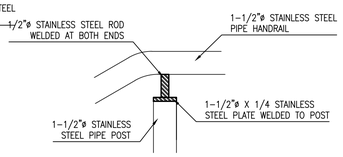


1 PROTECTION SCAFFOLD DETAIL
1/4" = 1'-0"

2 CONSTRUCTION FENCING DETAIL
1/4" = 1'-0"



3 EXTERIOR STAIR RAILING DETAIL
3/4" = 1'-0"



4 POST CONNECTION DETAIL
3" = 1'-0"

1. DO NOT OBSTRUCT ANY VEHICLE ENTRANCE TO THE SITE OR OCCUPANT ACCESS TO THE BUILDING. MAINTAIN BUILDING ACCESS AT ALL TIMES.

2. PROTECT ALL PEDESTRIAN AREAS FROM POSSIBLE OVERHEAD FALLING DEBRIS.

3. SUBMIT PROPOSED STAGING AND TEMPORARY PROTECTION BARRIER LAYOUT FOR APPROVAL PRIOR TO START OF PROJECT.

4. MAINTAIN ALL EXISTING SITE ELEMENTS (PAVING, FENCES, BUILDINGS, ETC.) AND PLANTINGS AND LAWNS. SHOULD DAMAGE OCCUR, CONTRACTOR SHALL REPLACE OR REPAIR, AT HIS OWN EXPENSE, ALL ELEMENTS AND PLANTINGS TO THE SATISFACTION OF OWNER.

5. DO NOT LEAVE SITE AT THE END OF EACH WORK DAY UNTIL UNSAFE CONDITIONS HAVE BEEN MADE SAFE.

6. MAINTAIN A SECURED AREA FOR ALL CONSTRUCTION MATERIALS AND EQUIPMENT STORED ON SITE.

7. MAINTAIN ACCESS TO ALL EMERGENCY EQUIPMENT AND ESCAPE ROUTES DURING ENTIRE CONSTRUCTION TIME PERIOD.

8. EMPLOY SAFE CONSTRUCTION METHODS AND TAKE PRECAUTIONS DURING CONSTRUCTION PERIOD AS REQUIRED BY LOCAL, STATE AND FEDERAL AUTHORITIES HAVING JURISDICTION.

9. ALL CONSTRUCTION METHODS SHALL CONFORM TO ALL STATE AND LOCAL RULES, REGULATIONS AND ORDINANCES.

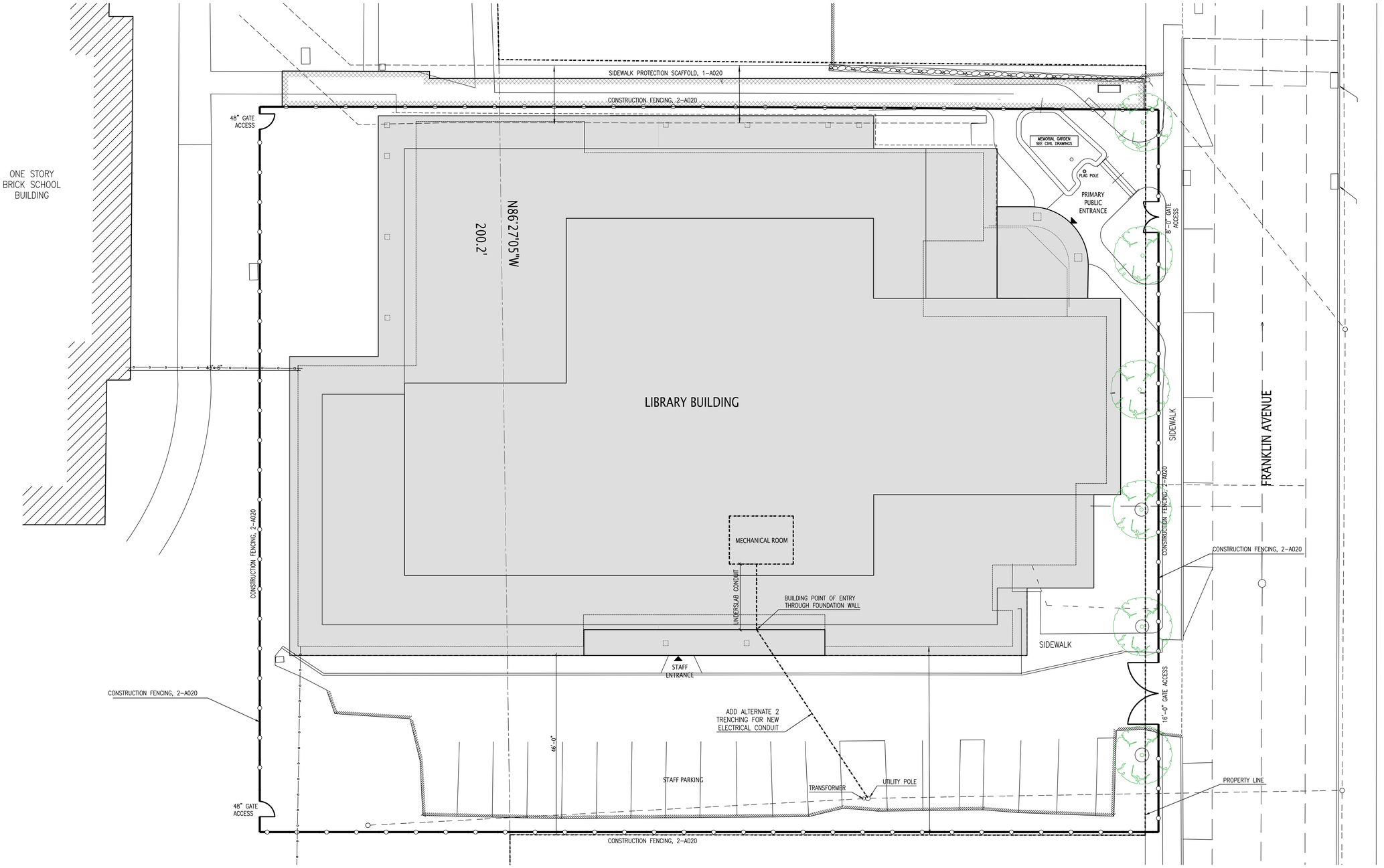
10. PROVIDE AND MAINTAIN ANY AND ALL TEMPORARY PROTECTION REQUIRED BY WORK BEING PERFORMED TO ENSURE THE SAFETY OF THE PUBLIC AND WORKERS AND PROTECTION OF PROPERTY; INCLUDING,

11. KEEP EXTERIOR PUBLIC AREAS AND BUILDING ENTRANCES FREE OF ALL CONSTRUCTION MATERIAL AND DEBRIS.

12. AT PROJECT COMPLETION, REMOVE ALL CONSTRUCTION DEBRIS AND PATCH/ REPAIR ALL SURFACES DAMAGED BY CONTRACTOR ACTIVITIES. THOROUGHLY CLEAN ALL WORK AREAS OF ALL DEBRIS RESULTING FROM WORK OF THIS CONTRACT.

13. CONTRACTOR SHALL PROVIDE SIGNED AND SEALED SHOP DRAWINGS FOR DESIGN OF SCAFFOLDING AND WALKWAY PROTECTION. PAY FEES FOR AND OBTAIN REQUIRED PERMITS FOR SCAFFOLDING AND WALKWAY PROTECTION. SCAFFOLDING PROVIDED SHALL BE AVAILABLE FOR THE USE OF ALL CONTRACTORS, ARCHITECT AND OWNER.

PROPERTY INFORMATION IS DERIVED FROM THE TOPOGRAPHIC SURVEY CREATED BY THE DILLIN AND SORACE ASSOCIATES ON APRIL 7, 1987 FOR THE PEARL RIVER PUBLIC LIBRARY. THE SURVEY WAS DONE PRIOR TO THE 1989 RENOVATION. LOCATION OF BUILDING PERIMETER IS EXTRAPOLATED FROM MICHAEL ESMAY'S DRAWINGS FROM FEBRUARY 21, 1989.



SITE PLAN FOR COORDINATION ONLY - SEE CIVIL DRAWINGS

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY
80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ARCHITECTURAL SITE PLAN

PROJECT NO.: 2578-02
3/32" = 1'-0"

DRAWING NO.:
A020



SEE PHOTO BOOKS AND "360 VIEWING SOFTWARE" FOR TAGGED IMAGES. NUMBER REPRESENT THE LAT FOUR DIGITS OF THE FILE NAME.

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

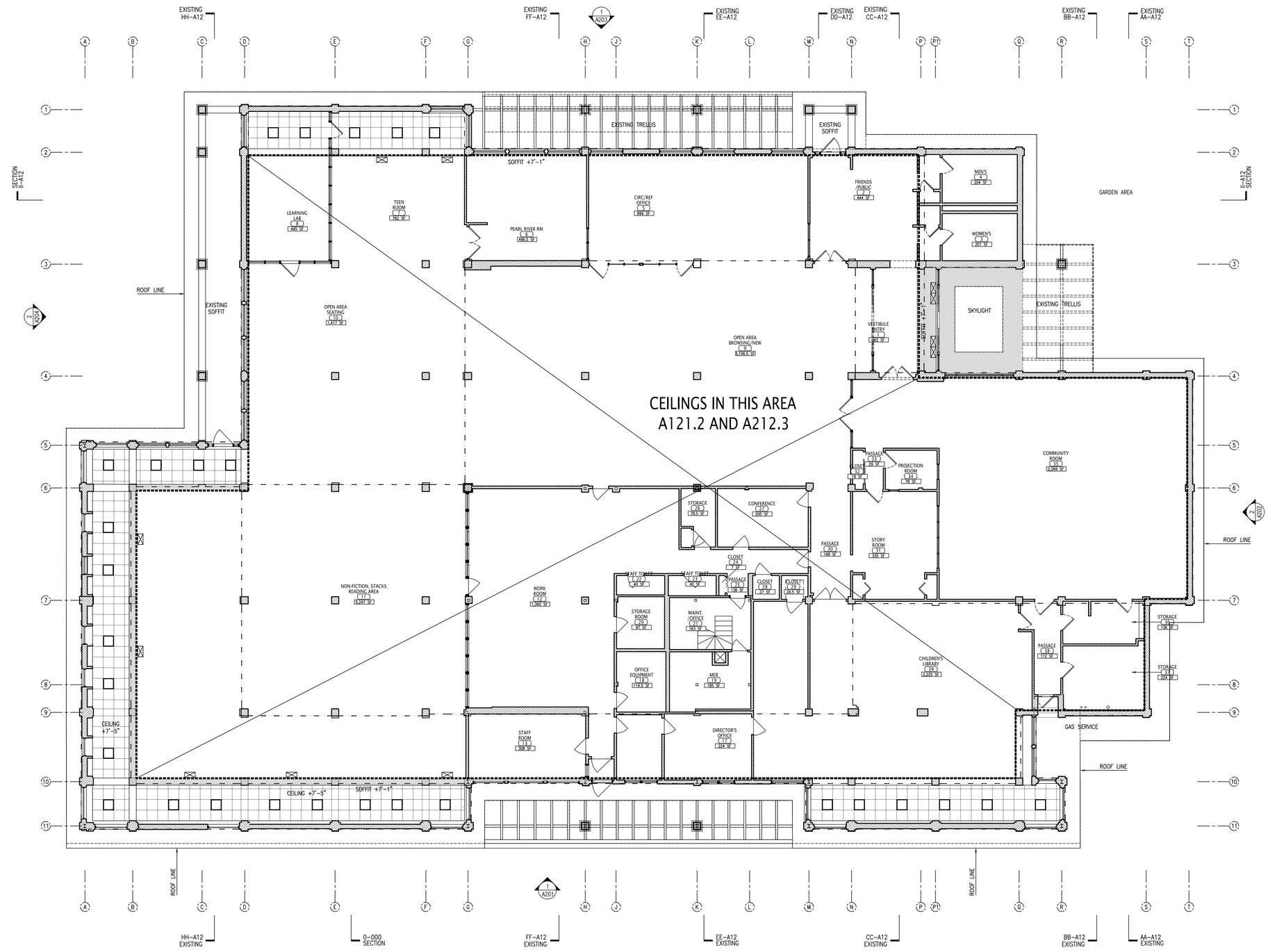
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

FIRST FLOOR EXISTING PLAN

PROJECT NO.: 2578-02
1/8"=1'-0"

DRAWING NO.:
A021.0



SEE PHOTO BOOKS AND "360 VIEWING SOFTWARE" FOR TAGGED IMAGES. NUMBER REPRESENT THE LAT FOUR DIGITS OF THE FILE NAME.

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

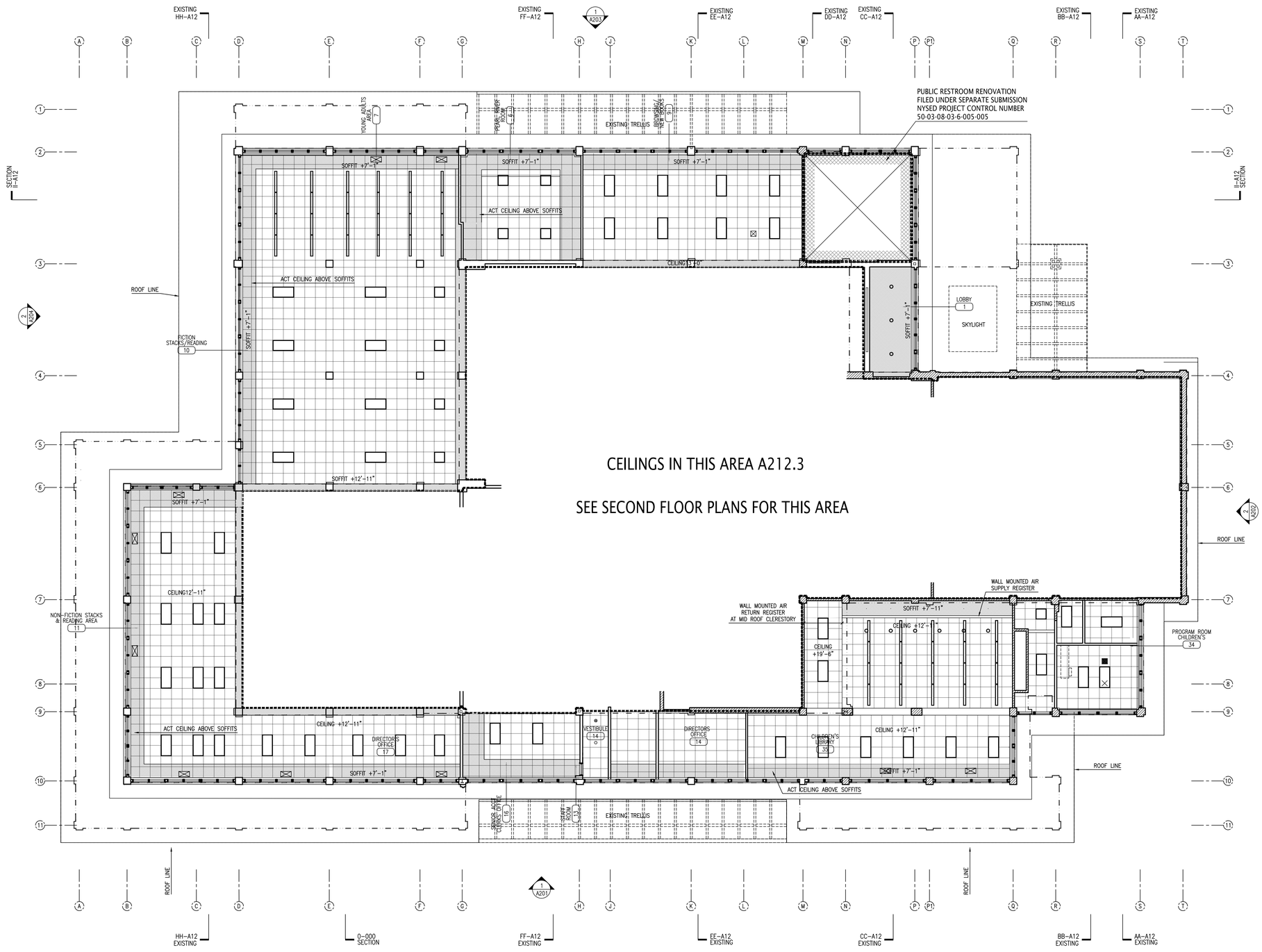
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

FIRST FLOOR EXISTING REFLECTED CEILING PLAN

PROJECT NO.: 2578-02
1/8"=1'-0"

DRAWING NO.:
A021.1



CEILINGS IN THIS AREA A212.3

SEE SECOND FLOOR PLANS FOR THIS AREA

SEE PHOTO BOOKS AND "360 VIEWING SOFTWARE" FOR TAGGED IMAGES. NUMBER REPRESENT THE LAT FOUR DIGITS OF THE FILE NAME.

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT|AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
3	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
2	06-05-2024	ISSUED TO SED FOR PERMIT
1	05-15-2024	95% PROGRESS PRINT
	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

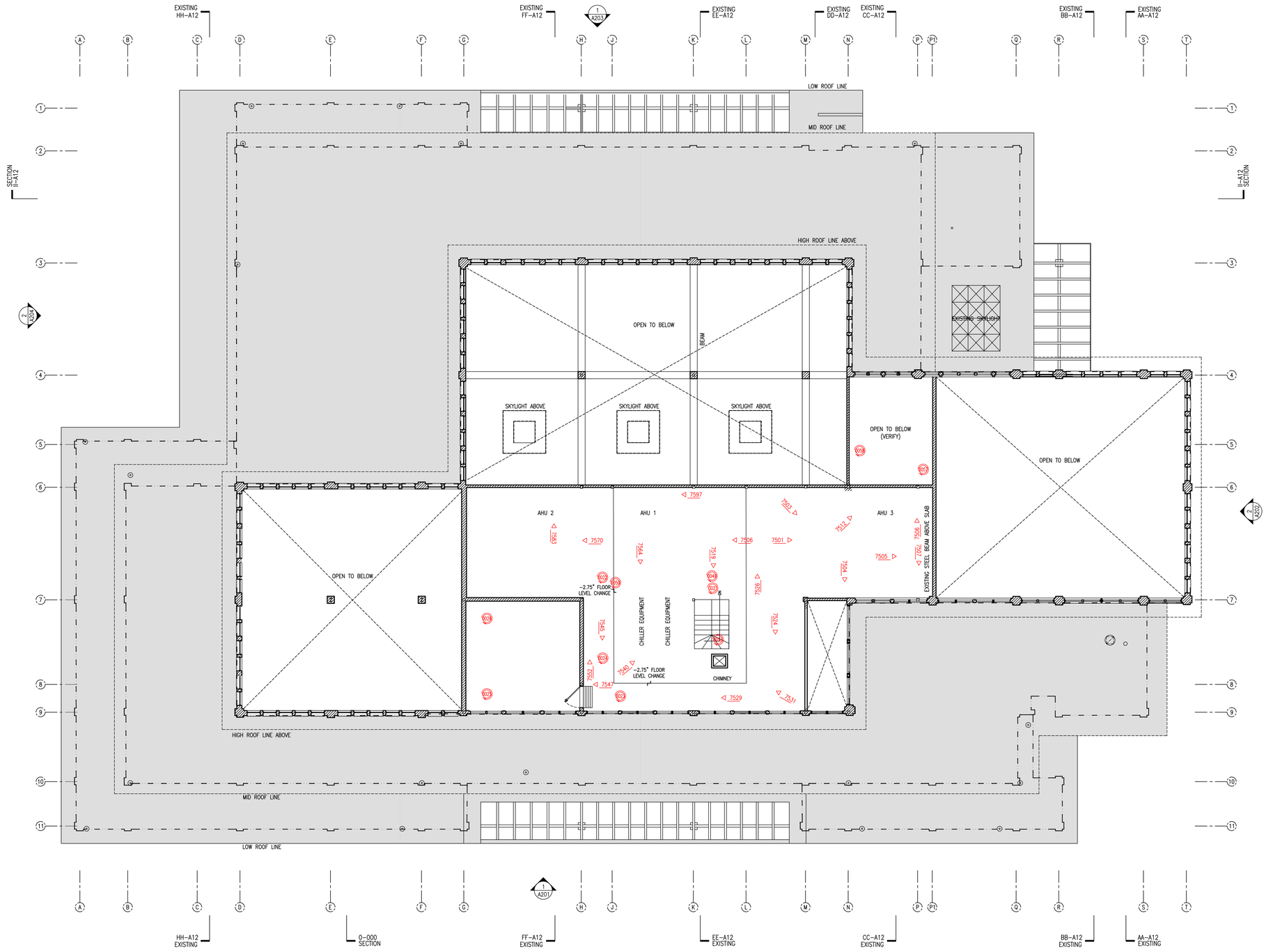
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

EXISTING CLERESTORY REFLECTED CEILING PLAN

PROJECT NO.: 2578-02
1/8"=1'-0"

DRAWING NO.:
A021.2



one eighth inch = one foot
0 4 8 16

SEE PHOTO BOOKS AND "360 VIEWING SOFTWARE" FOR TAGGED IMAGES. NUMBER REPRESENT THE LAT FOUR DIGITS OF THE FILE NAME.

SEE A001 – A003 FOR NOTES AND LEGENDS

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

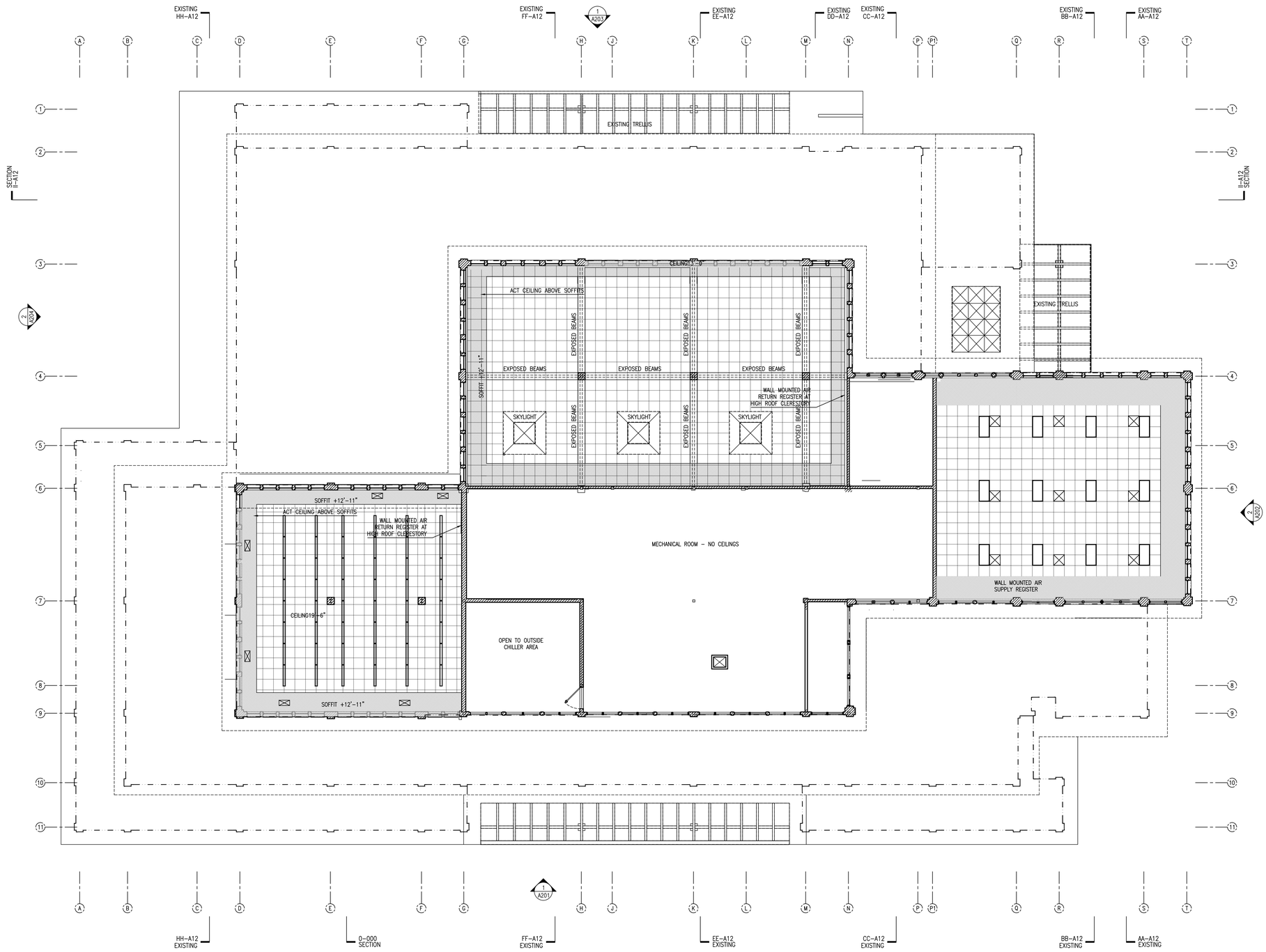
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

SECOND FLOOR EXISTING PLAN

PROJECT NO.: 2578-02 | 1/8"=1'-0"

DRAWING NO.:

A022.0



SEE PHOTO BOOKS AND "360 VIEWING SOFTWARE" FOR TAGGED IMAGES. NUMBER REPRESENT THE LAT FOUR DIGITS OF THE FILE NAME.

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	1/28/2025	SED PERMIT AMENDMENT 01
2	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

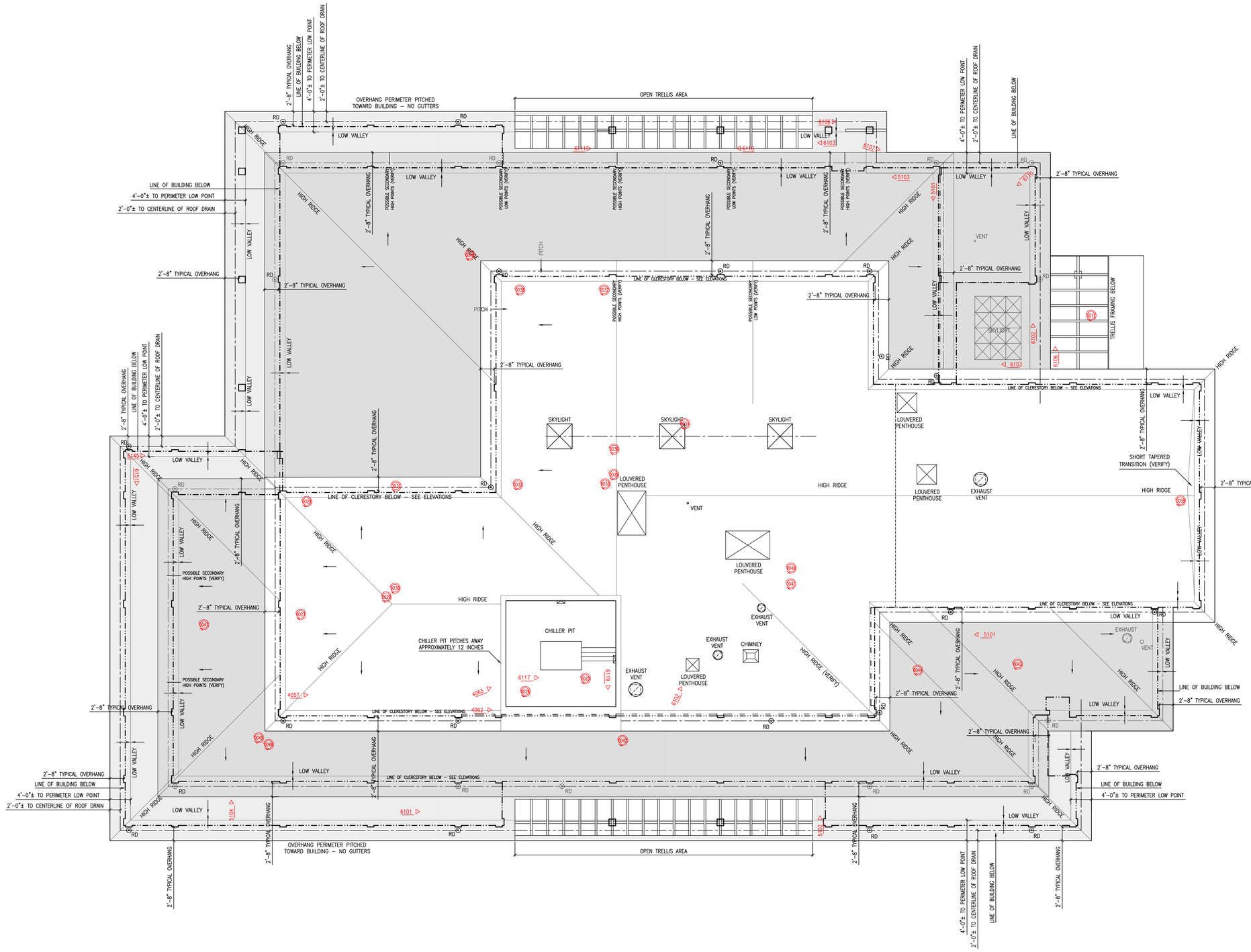
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

SECOND FLOOR EXISTING REFLECTED CEILING PLAN

PROJECT NO.: 2578-02 | 1/8"=1'-0"

DRAWING NO.:

A022.1



SEE PHOTO BOOKS AND "360 VIEWING SOFTWARE" FOR TAGGED IMAGES. NUMBER REPRESENT THE LAT FOUR DIGITS OF THE FILE NAME.

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 1 2 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
ISSUE NO.		DESCRIPTION

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

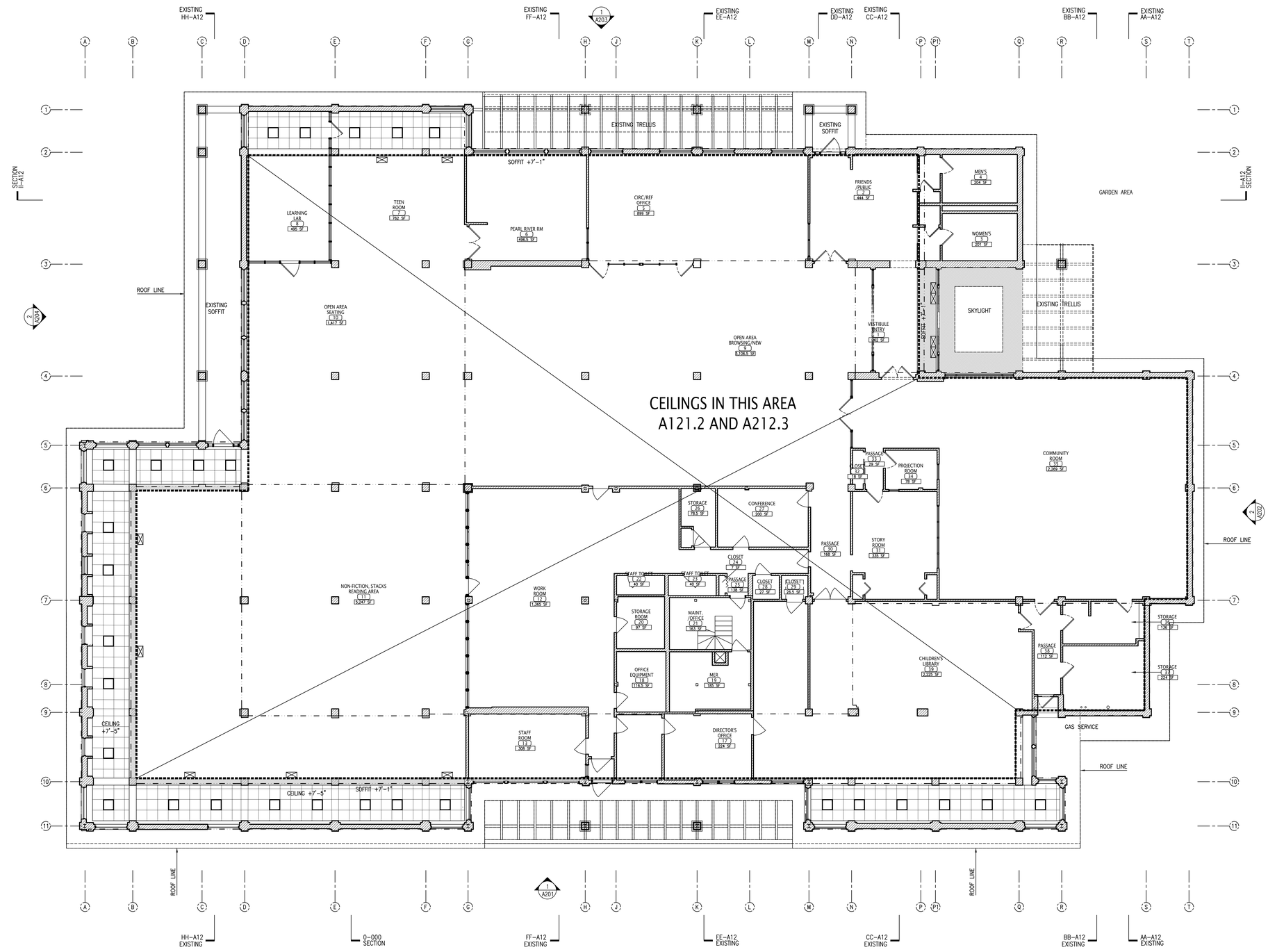
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ROOF EXISTING PLAN

PROJECT NO.: 2578-02 | 1/8"=1'-0"

DRAWING NO.:

A023.0



SEE PHOTO BOOKS AND "360 VIEWING SOFTWARE" FOR TAGGED IMAGES. NUMBER REPRESENT THE LAT FOUR DIGITS OF THE FILE NAME.

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

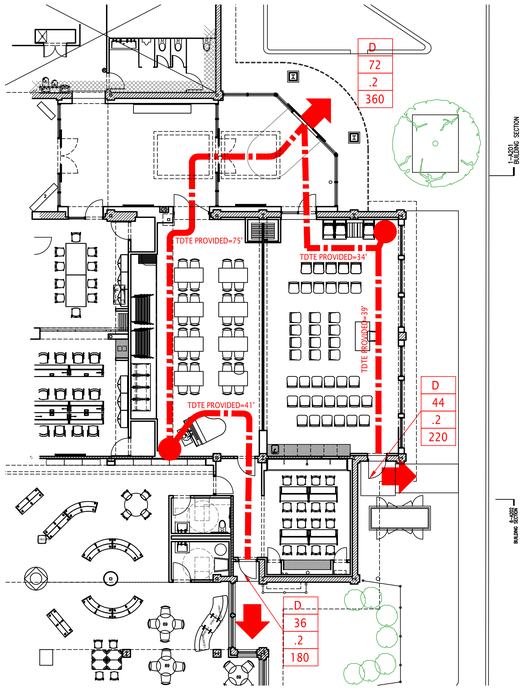
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

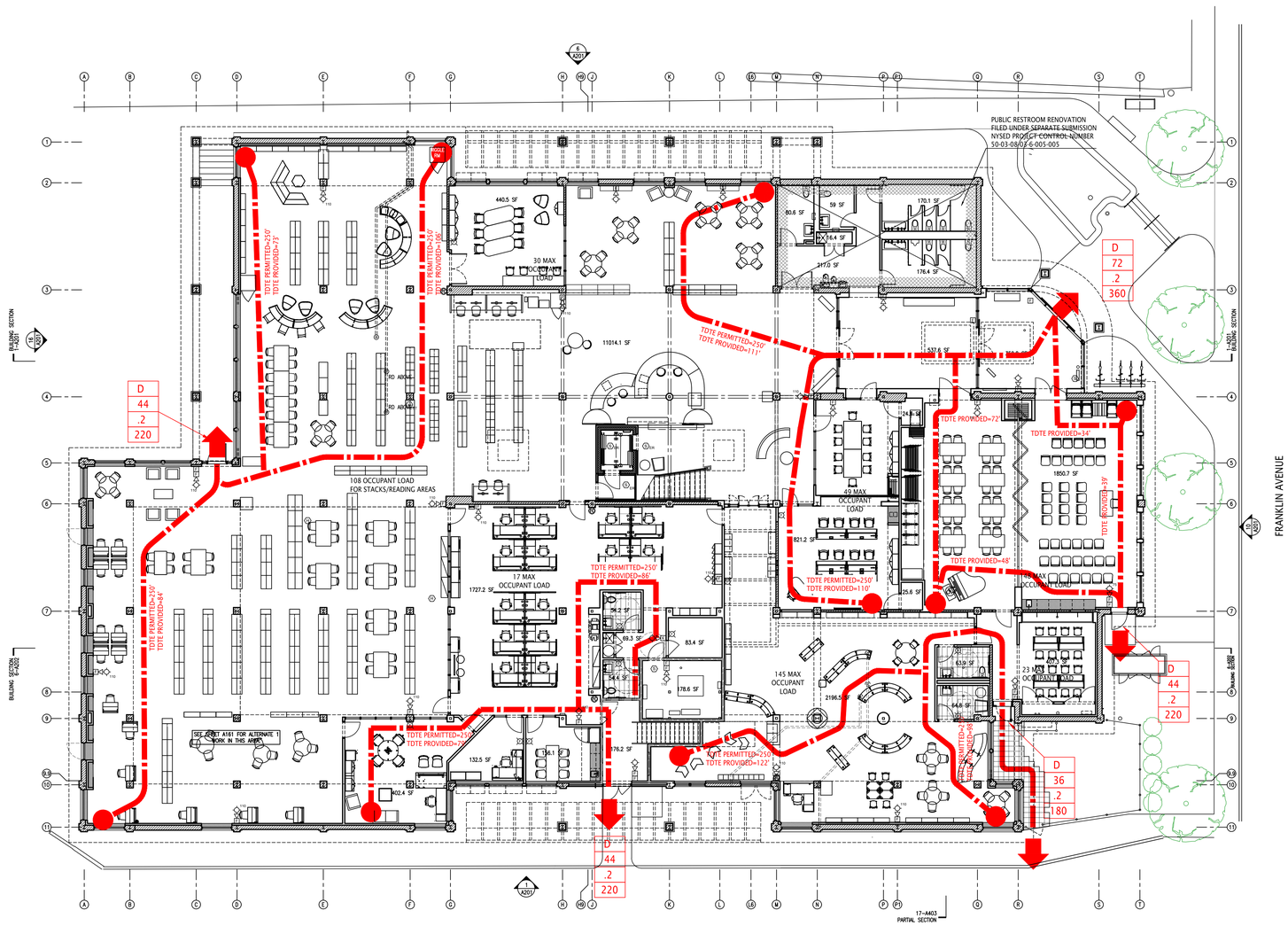
FIRST FLOOR EXISTING REFLECTED CEILING PLAN

PROJECT NO.: 2578-02
1/8"=1'-0"

DRAWING NO.:
A021.1



6 ALTERNATE EGRESS ROUTE WITH MOVEABLE PARTITION CLOSED
3/16" = 1'-0"



CHAPTER 6 - TYPES OF CONSTUCTION		
CONSTRUCTION CLASSIFICATION		Type IIB
	NON-COMBUSTIBLE, UNPROTECTED	
MINIMUM WIDTH OF PUBLIC WAY OR OPEN SPACE.	Feet	30
TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)		
Primary Structural Frame		0 HOURS
Bearing walls - Exterior		0 HOURS
Bearing walls - Interior		0 HOURS
Nonbearing walls and partitions - Exterior		0 HOURS
Nonbearing walls and partitions - Interior		0 HOURS
Floor construction and associated secondary members		0 HOURS
Roof construction and associated secondary members		0 HOURS

CHAPTER 7 - FIRE AND SMOKE PROTECTION FEATURES		
EXTERIOR WALLS AND OPENINGS		
FIRE SEPARATION DISTANCE (feet) (TABLE 704.8)		No Limit
	Unprotected Ooening	30
	Protected	20

CHAPTER 8 - INTERIOR FINISHES	Required	Provided
INTERIOR WALL AND CEILING FINISH REQUIREMENTS (Table 803.13)		SPRINKLERED
	Required	**Proposed**
Interior exit stairways and ramps and exit passageways	Class 'B'	Class 'A"
Corridors and enclosure for exit access stairways and ramps	Class 'B'	Class 'A"
Rooms and enclosed spaces	Class 'C'	Class 'A"

CHAPTER 9 - FIRE PROTECTION AND LIFE SAFETY SYSTEMS	Required	Provided
AUTOMATIC SPRINKLER SYSTEMS		
Group A-3. An automatic sprinkler system shall be provided throughout stories containing Group A-3 occupancies and throughout all stories from the Group A-3 occupancy to and including the levels of exit discharge serving that occupancy where one of the following conditions exists:		
1. The fire area exceeds 12,000 square feet		
2. The fire area has an occupant load of 300 or more.		
3. The fire are is located on a floor other than a level of exit discharge serving such occupancies.		

Code Analysis - 2020 Building Code of New York State		
THESE PLANS ARE IN CONFORMANCE WITH THE FOLLOWING CODES:		
2020 Building Code of New York State		
2020 Fire Code of New York State		
2020 Energy Conservation Construction Code of New York State		
2020 Existing Building Code of New York State		
2020 Mechanical Code of New York State		
2020 Plumbing Code of New York State		
2020 Property Maintenance Code of New York State		
CHAPTER 3 - USE AND OCCUPANCY CLASSIFICATION		
OCCUPANCY CLASSIFICATION		
EXISTING OCCUPANCY (PRIMARY CLASSIFICATION)		A3 LIBRARY
PROPOSED OCCUPANCY (PRIMARY CLASSIFICATION)		A3 LIBRARY
CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS		
BUILDING HEIGHT AND NUMBER OF STORIES		
BUILDING IS (100%):		**SPRINKLERED**
ALLOWABLE HEIGHT (Table 504.3)	**Feet**	**75**
ALLOWABLE HEIGHT (Table 504.4)	**Stories**	**3**
BUILDING AREA		
ALLOWABLE AREA FACTOR - TABLE 506.2	SF	28500
AREA PROPOSED - Floor 01	SF	23058
AREA PROPOSED - Floor 02	SF	4950
AREA PROPOSED - Total	SF	28008

CHAPTER 10 - MEANS OF EGRESS - FLOOR 01			
OCCUPANT LOAD			SPRINKLERED
MAXIMUM FLOOR AREA PER OCCUPANT (TABLE 1004.5)	**OCCUPANCY TYPE**		**FLOOR AREA IN SQUARE FEET PER PERSON**
OCCUPANCY TYPE	Floor Area Allowances per occupant	Floor Area Per Use	Total Occupant Per Use Area
Business	150	3,222	21.5
Assembly without fixed seats - Concentrated (chairs only, not fixed)	7	1,919	274.1
Assembly without fixed seats - Unconcentrated (tables and chairs)	15	4,291	286.1
Accessory Storage and Mechanical Rooms	300	381	1.3
Reading Room	50	2,425	48.5
Stacks	100	7,728	77.3
Other	50	2,020	40.4
Restrooms	50	722	14.4
TOTAL FLOOR AREA		**22,708**	**763.6**
MEANS OF EGRESS SIZING			
Stairways	FACTOR (1005.3.1)	PERSONS	EXIT INCHES
	0.03		
	0.03		
	0.03		
	0.03		
	0.03		
	0.03		
	0.03		
	0.03		
Total Required			**0.0**
Total Provided			**0.0**

Other egress components	FACTOR (1005.3.1)	PERSONS	EXIT INCHES
Business	0.20	21.5	4.3
Assembly without fixed seats - Concentrated (chairs only, not fixed)	0.20	274.1	54.8
Assembly without fixed seats - Unconcentrated (tables and chairs)	0.20	286.1	57.2
Accessory Storage and Mechanical Rooms	0.20	1.3	0.3
Reading Room	0.20	48.5	9.7
Stacks	0.20	77.3	15.5
Other	0.20	40.4	8.1
Restrooms	0.20	14.4	2.9
Total Required			**152.7**
Total Provided			**240.0**
NUMBER OF EXITS AND EXIT ACCESS DOORWAYS			
1006 NUMBER OF EXITS			SPRINKLERED
MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS PER STORY		**OCCUPANT LOAD**	**NUMBER OF EXITS**
Occupant load: 1-500			2
Occupant load 501-1,000			3
ACTUAL OCCUPANT LOAD		764	
NUMBER OF EXITS REQUIRED			3
EXITS PROVIDED			5
EXIT ACCESS TRAVEL DISTANCE (TABLE 1017.2)			**MAX TRAVEL DISTANCE**
'A' Occupancy (most stringent)			250 Feet
'B' Occupancy			300 Feet

LIFE SAFETY PLAN LEGEND

D/W
36
.2
240

- D/W - EGRESS DOOR (D) OR WINDOW (W)
- 36 - EGRESS WIDTH
- .2 - EGRESS WIDTH PER PERSON
- 240 - EXIT CAPACITY

- EGRESS PATH
- EXIT
- TDTE - TRAVEL DISTANCE TO EXIT
- EGRESS PATH START POINT
- CPTO - COMMON PATH OF TRAVEL START

one eighth inch = one foot 0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
3	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
2	06-05-2024	ISSUED TO SED FOR PERMIT
1	05-15-2024	95% PROGRESS PRINT
	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY
80 Franklin Ave.
Pearl River, NY 10965

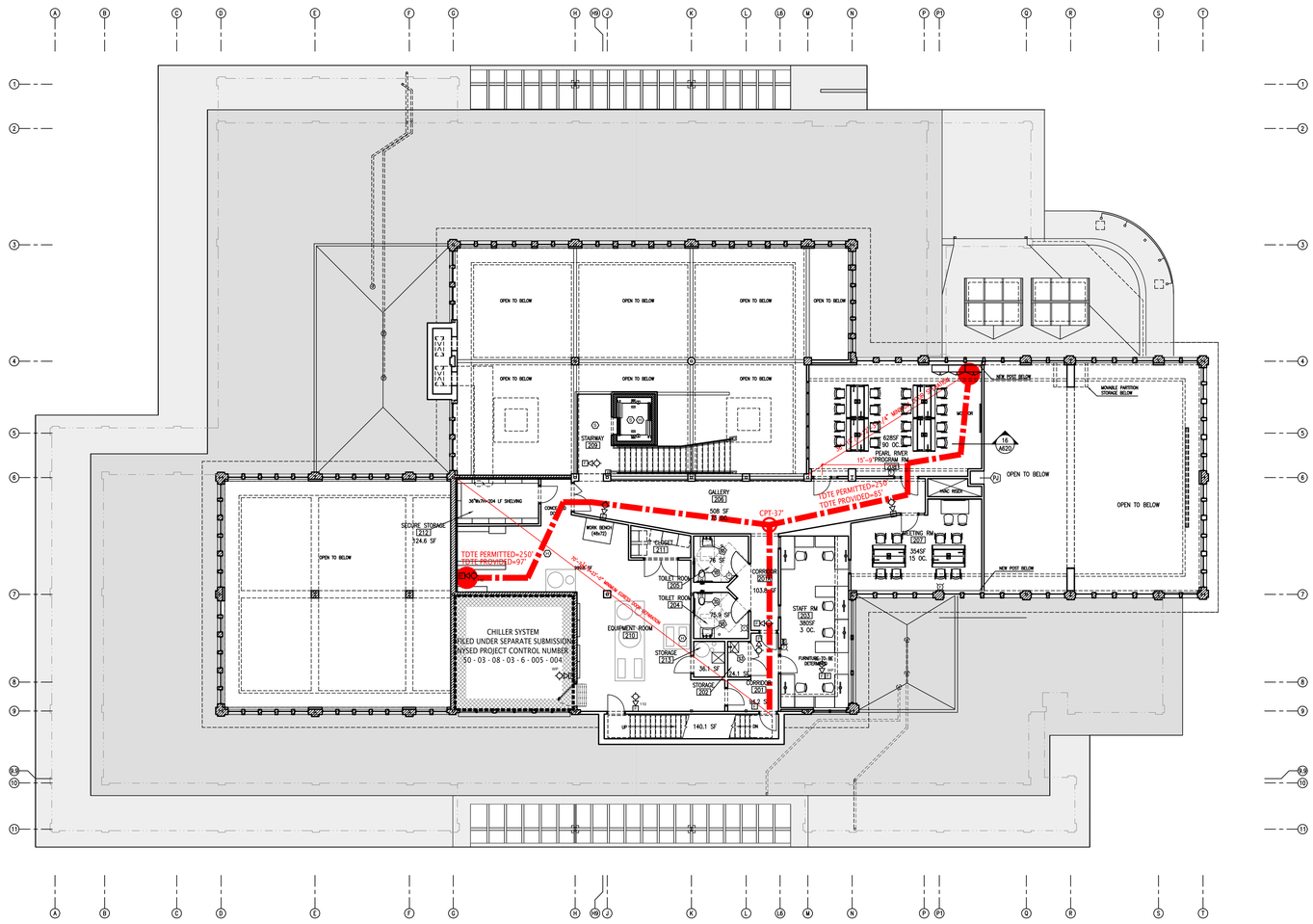
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

FIRST FLOOR EGRESS PLAN

PROJECT NO.: 2578-02
3/32" = 1'-0"

DRAWING NO.:
A051



CHAPTER 6 - TYPES OF CONSTUCTION

CONSTRUCTION CLASSIFICATION		Type IIB
		NON-COMBUSTIBLE, UNPROTECTED
MINIMUM WIDTH OF PUBLIC WAY OR OPEN SPACE.	Feet	30
TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)		
Primary Structural Frame		0 HOURS
Bearing walls - Exterior		0 HOURS
Bearing walls - Interior		0 HOURS
Nonbearing walls and partitions - Exterior		0 HOURS
Nonbearing walls and partitions - Interior		0 HOURS
Floor construction and associated secondary members		0 HOURS
Roof construction and associated secondary members		0 HOURS

CHAPTER 7 - FIRE AND SMOKE PROTECTION FEATURES

EXTERIOR WALLS AND OPENINGS		
FIRE SEPARATION DISTANCE (feet) (TABLE 704.8)		No Limit
	Unprotected Openinge	30
	Protected	20

CHAPTER 8 - INTERIOR FINISHES

	Required	Provided
INTERIOR WALL AND CEILING FINISH REQUIREMENTS (Table 803.13)		SPRINKLERED
	Requried	**Proposed**
Interior exit stairways and ramps and exit passageways	Class 'B'	Class 'A"
Corridors and enclosure for exit access stairways and ramps	Class 'B'	Class 'A"
Rooms and enclosed spaces	Class 'C'	Class 'A"

CHAPTER 9 - FIRE PROTECTION AND LIFE SAFETY SYSTEMS

	Required	Provided
AUTOMATIC SPRINKLER SYSTEMS		
Group A-3. An automatic sprinkler system shall be provided throughout stories containing Group A-3 occupancies and throughout all stories from the Group A-3 occupancy to and including the levels of exit discharge serving that occupancy where one of the following conditions exists:		
1. The fire area exceeds 12,000 square feet		
2. The fire area has an occupant load of 300 or more.		
3. The fire are is located on a floor other than a level of exit discharge serving such occupancies.		

Code Analysis - 2020 Building Code of New York State

THESE PLANS ARE IN CONFORMANCE WITH THE FOLLOWING CODES:

2020 Building Code of New York State
2020 Fire Code of New York State
2020 Energy Conservation Construction Code of New York State
2020 Existing Building Code of New York State
2020 Mechanical Code of New York State
2020 Plumbing Code of New York State
2020 Property Maintenance Code of New York State

CHAPTER 3 - USE AND OCCUPANCY CLASSIFICATION

OCCUPANCY CLASSIFICATION	
EXISTING OCCUPANCY (PRIMARY CLASSIFICATION)	A3 LIBRARY
PROPOSED OCCUPANCY (PRIMARY CLASSIFICATION)	A3 LIBRARY

CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS

BUILDING HEIGHT AND NUMBER OF STORIES		
BUILDING IS (100%):		**SPRINKLERED**
ALLOWABLE HEIGHT (Table 504.3)	**Feet**	**75**
ALLOWABLE HEIGHT (Table 504.4)	**Stories**	**3**
BUILDING AREA		
ALLOWABLE AREA FACTOR - TABLE 506.2	SF	28500
AREA PROPOSED - Floor 01	SF	23058
AREA PROPOSED - Floor 02	SF	4950
AREA PROPOSED - Total	SF	28008

CHAPTER 10 - MEANS OF EGRESS - FLOOR 02

OCCUPANT LOAD — SPRINKLERED

MAXIMUM FLOOR AREA PER OCCUPANT (TABLE 1004.5) — **OCCUPANCY TYPE** — **FLOOR AREA IN SQUARE FEET PER PERSON**

OCCUPANCY TYPE	Floor Area Allowances per occupant	Floor Area Per Use	Total Occupant Per Use Area
Business	150	354	2.4
Assembly without fixed seats - Concentrated (chairs only, not fixed)	7	1,128	161.1
Assembly without fixed seats - Unconcentrated (tables and chairs)	15	354	23.6
Accessory Storage and Mechanical Rooms	300	1,000	3.3
Reading Room	50	0	0.0
Stacks	100	0	0.0
Other	50	0	0.0
Restrooms	50	152	3.0
TOTAL FLOOR AREA		**2,988**	**193.5**

MEANS OF EGRESS SIZING

Stairways	FACTOR (1005.3.1)	PERSONS	EXIT INCHES
Business	0.03	2.4	0.1
Assembly without fixed seats - Concentrated (chairs only, not fixed)	0.03	161.1	4.8
Assembly without fixed seats - Unconcentrated (tables and chairs)	0.03	23.6	0.7
Accessory Storage and Mechanical Rooms	0.03	3.3	0.1
Reading Room	0.03	0.0	0.0
Stacks	0.03	0.0	0.0
Other	0.03	0.0	0.0
Restrooms	0.03	3.0	0.1
Total Required			**5.8**
Total Provided			**88.0**

Other egress components	FACTOR (1005.3.1)	PERSONS	EXIT INCHES
Business	0.20	2.4	0.5
Assembly without fixed seats - Concentrated (chairs only, not fixed)	0.20	161.1	32.2
Assembly without fixed seats - Unconcentrated (tables and chairs)	0.20	23.6	4.7
Accessory Storage and Mechanical Rooms	0.20	3.3	0.7
Reading Room	0.20	0.0	0.0
Stacks	0.20	0.0	0.0
Other	0.20	0.0	0.0
Restrooms	0.20	3.0	0.6
Total Required			**38.7**
Total Provided			**72.0**

NUMBER OF EXITS AND EXIT ACCESS DOORWAYS

TABLE 1006.3.2		0.0
MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS PER STORY	**OCCUPANT LOAD**	**NUMBER OF EXIT**
Occupant load: 1-500		2
Occupant load 501-1,000		3
ACTUAL OCCUPANT LOAD	193	
NUMBER OF EXITS REQUIRED		2
EXITS PROVIDED		2
EXIT ACCESS TRAVEL DISTANCE (TABLE 1017.2)		**MAX TRAVEL DISTANCE**
'A' Occupancy (most stringent)		250 Feet
'B' Occupancy		300 Feet

LIFE SAFETY PLAN LEGEND

D/W - EGRESS DOOR (D) OR WINDOW (W)
36 - EGRESS WIDTH
.2 - EGRESS WIDTH PER PERSON
240 - EXIT CAPACITY

- EGRESS PATH
- EXIT
TDTE - TRAVEL DISTANCE TO EXIT
- EGRESS PATH START POINT
CPT - COMMON PATH OF TRAVEL START

one eighth inch = one foot 0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

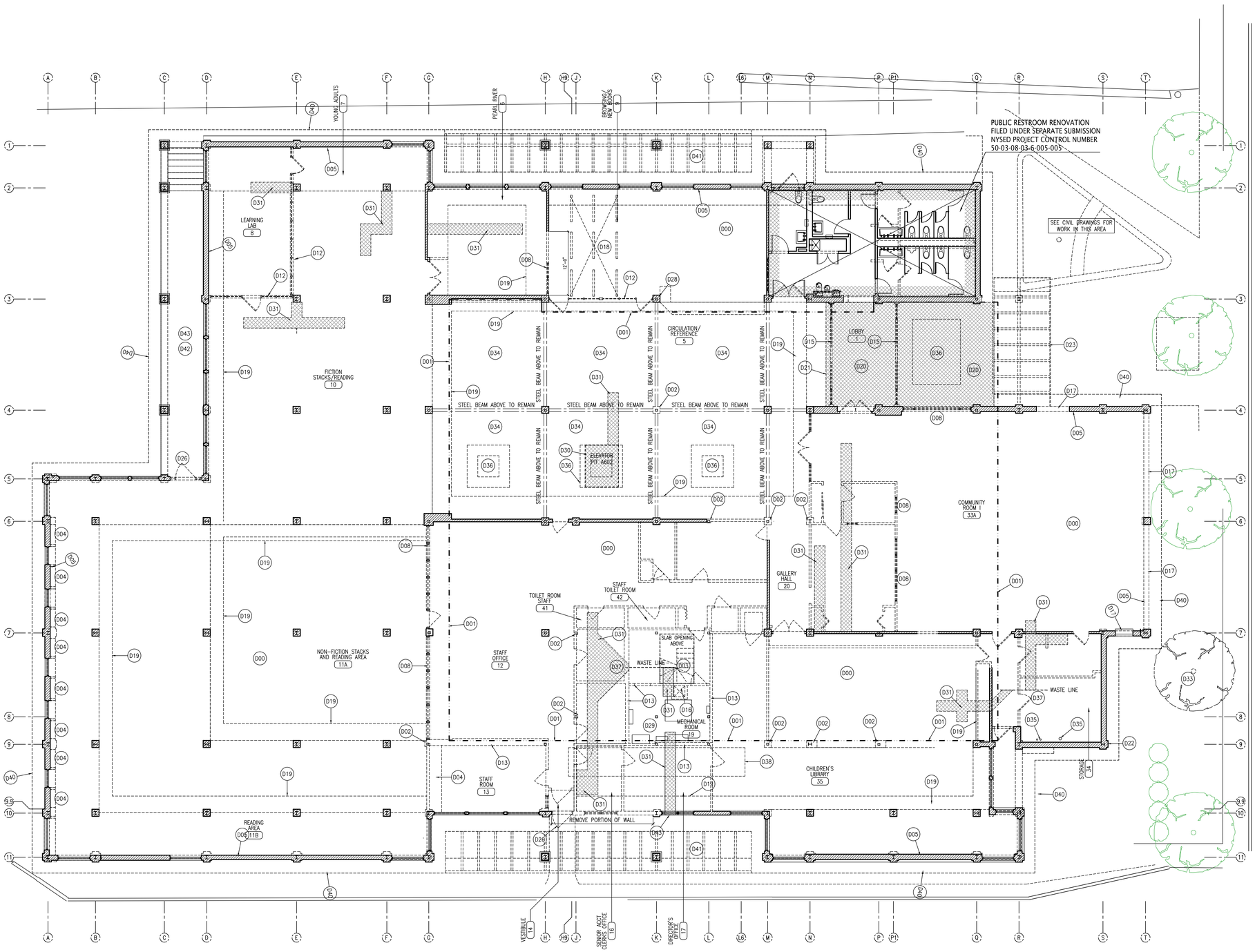
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

SECOND FLOOR EGRESS PLAN

PROJECT NO.: 2578-02
3/32" = 1'-0"

DRAWING NO.:

A052



SEE ENGINEERING DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION

INTERIOR COLUMN ENCLOSURES ARE TO REMAIN UNLESS OTHERWISE NOTED

ON ALL EXTERIOR WALLS: REMOVE EXISTING INTERIOR GYPSUM WALL BOARD AND OTHER ELEMENTS TO EXPOSE STUDS AND ACCOMMODATE NEW PERIMETER WALL INTERIOR CONSTRUCTION. (D05)

SEE A001 – A003 FOR NOTES AND LEGENDS

ALL FLOORING TO BE REMOVED, SCRAPE AND CLEAN EXCESS GLUE OR OTHER ADHESIVE FROM SLAB.

REMOVE ALL DOORS, FRAMES AND ASSOCIATED ELEMENTS UNLESS OTHERWISE NOTED

SALVAGE BRICK WHERE REMOVED FOR PATCHING AND RESTORATION IN OTHER AREAS OF WORK.

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
7	1/28/2025	SED PERMIT AMENDMENT 01
6	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

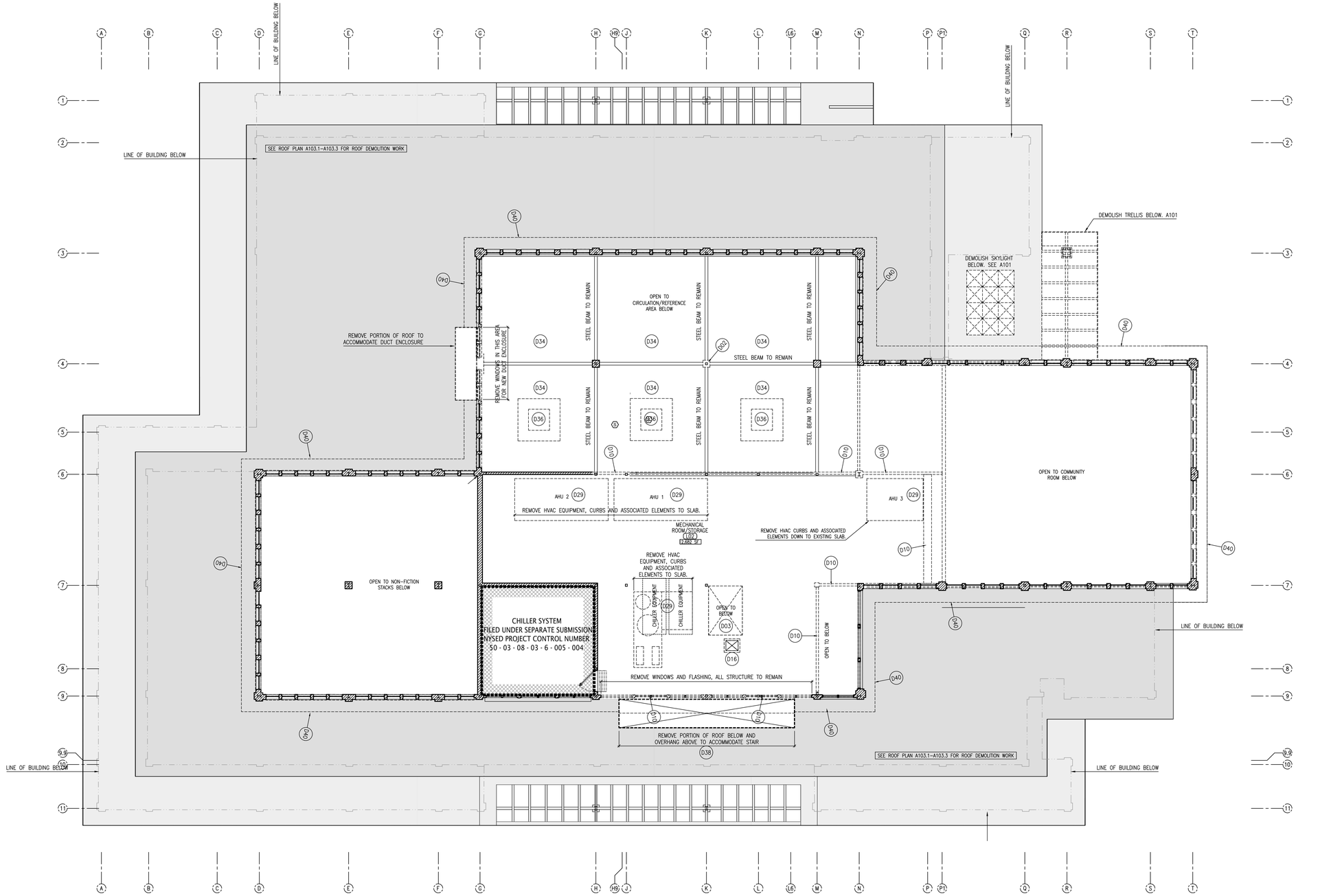
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

FIRST FLOOR DEMOLITION PLAN

PROJECT NO.: 2578-02 | 1/8"=1'-0"

DRAWING NO.:

A101



DEMOLITION LEGEND

– INTERIOR PARTITION TO BE REMOVED

– INTERIOR PARTITION TO REMAIN

REMOVE ALL ACOUSTICAL CEILING TILE, GRID AND ASSOCIATED ELEMENTS UNLESS OTHERWISE NOTED.

ALL FLOORING TO BE REMOVED, SCRAP AND CLEAN EXCESS GLUE OR OTHER ADHESIVE FROM SLAB.

REMOVE ALL DOORS, FRAMES AND ASSOCIATED ELEMENTS UNLESS OTHERWISE NOTED

SEE ENGINEERING DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION

ON ALL EXTERIOR WALLS: REMOVE EXISTING INTERIOR GYPSUM WALL BOARD AND OTHER ELEMENTS TO EXPOSE STUDS AND ACCOMMODATE NEW PERIMETER WALL INTERIOR CONSTRUCTION. (D05)

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot 0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
ISSUE NO.		DESCRIPTION

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

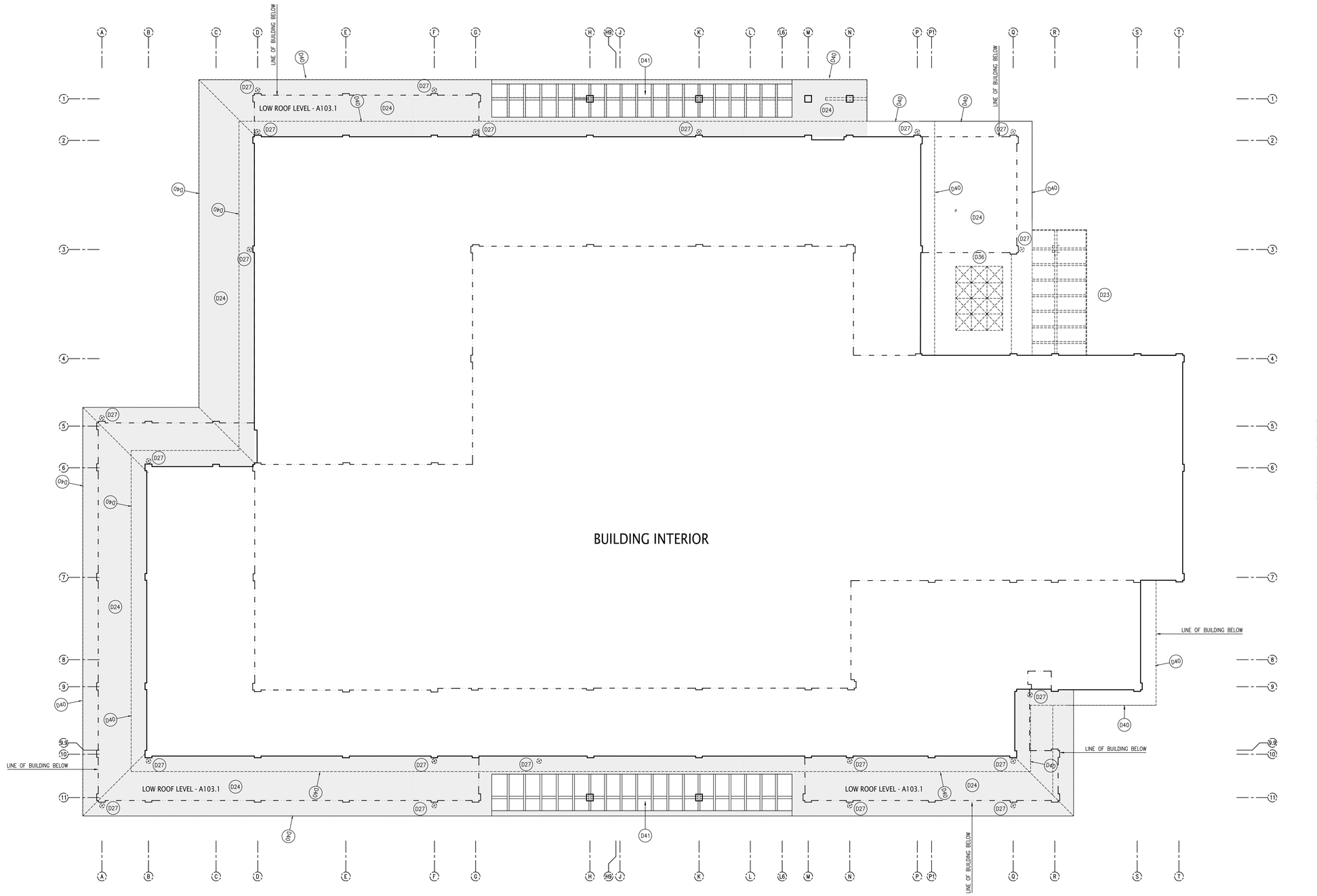
SECOND FLOOR DEMOLITION PLAN

PROJECT NO.: 2578-02

1/8"=1'-0"

DRAWING NO.:

A102



SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.

333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
1	12-20-2024	NYSED COMMENT REVISIONS
2	1/28/2025	SED PERMIT AMENDMENT 01

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

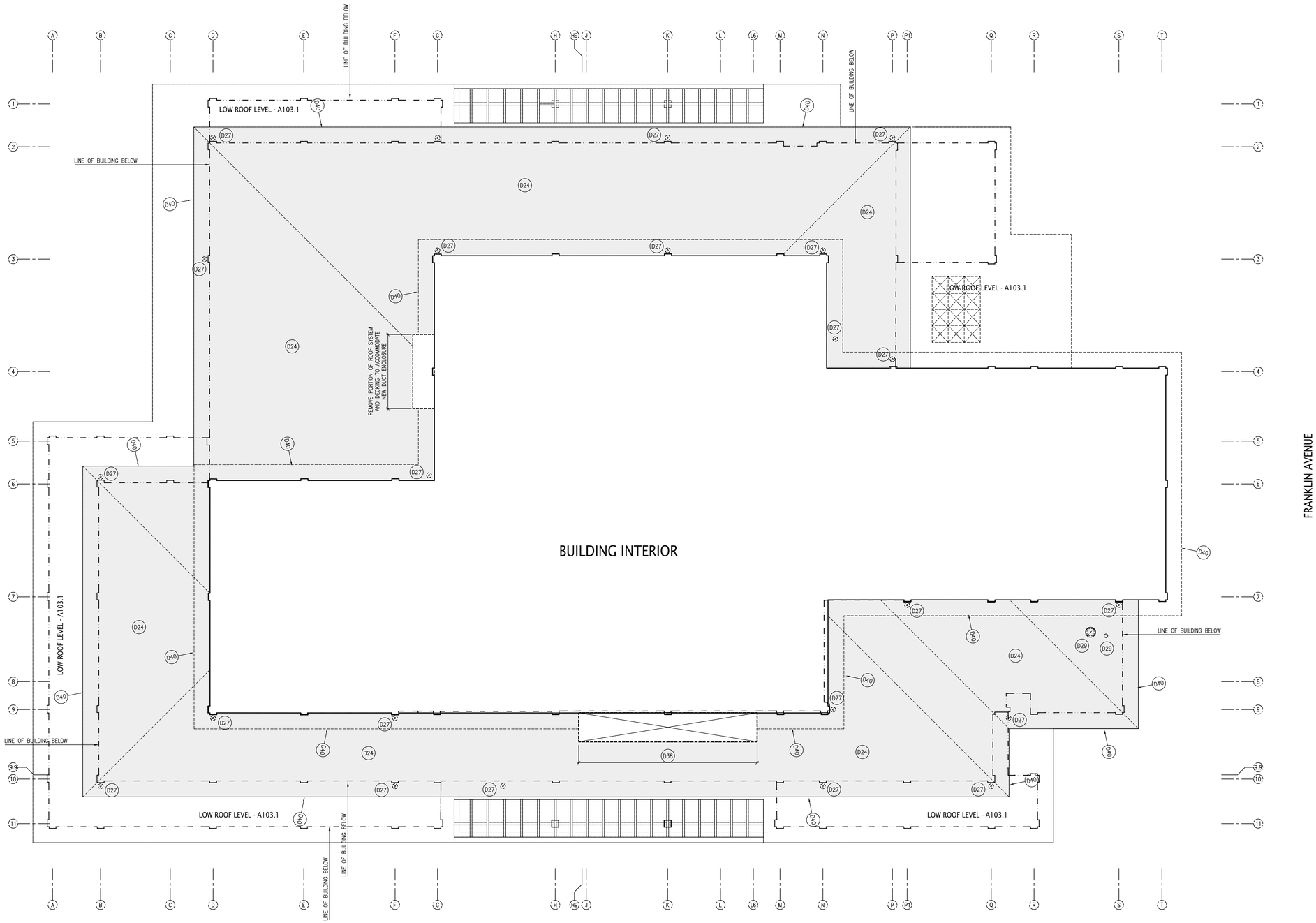
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

LOW ROOF DEMOLITION PLAN

PROJECT NO.: 2578-02 | 1/8"=1'-0"

DRAWING NO.:

A103.1



SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
1	12-20-2024	NYSED COMMENT REVISIONS
2	1/28/2025	SED PERMIT AMENDMENT 01

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

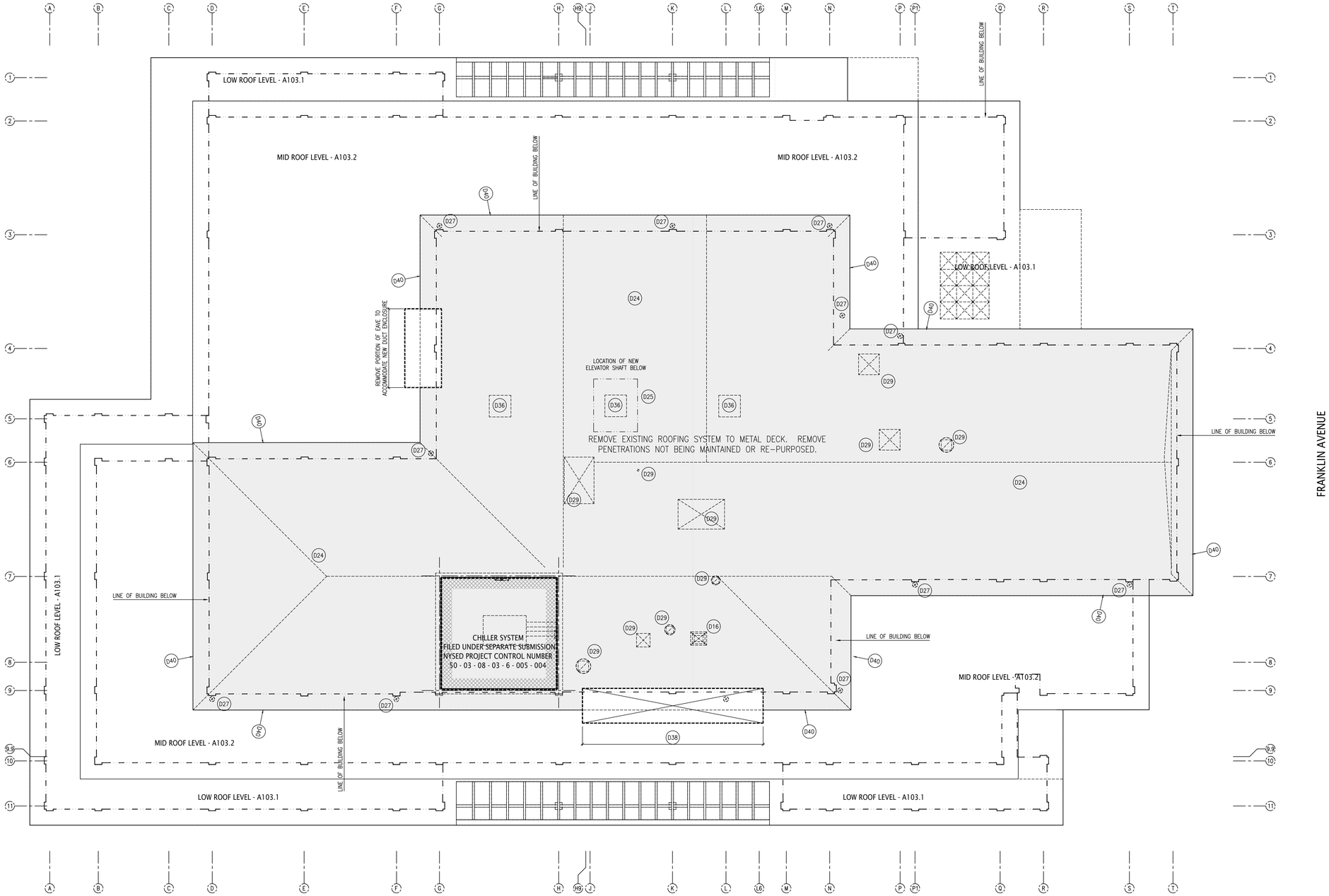
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

MID ROOF DEMOLITION PLAN

PROJECT NO.: 2578-02 | 1/8"=1'-0"

DRAWING NO.:

A103.2



SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.

333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
2	1/28/2025	SED PERMIT AMENDMENT 01
1	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

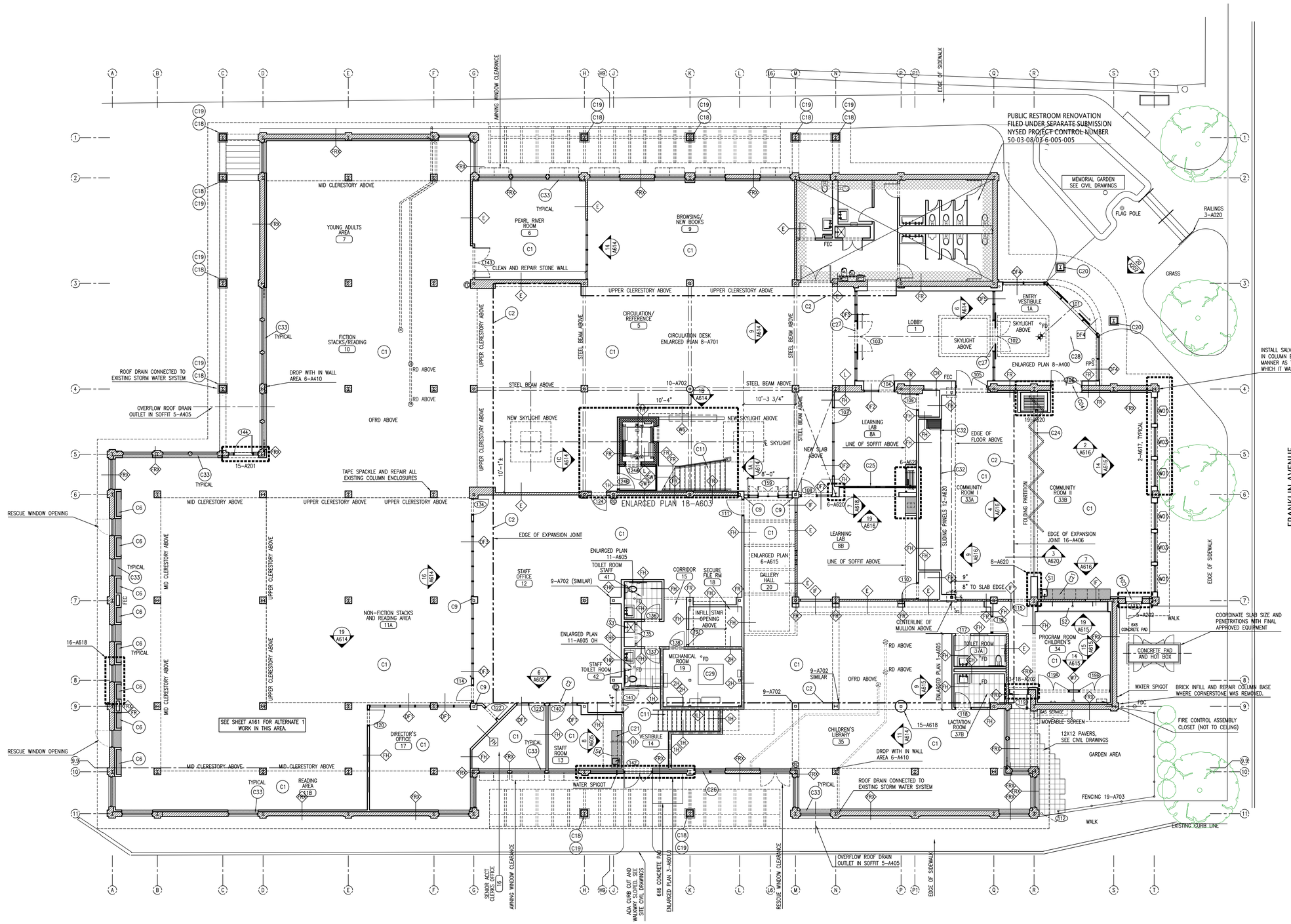
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

HIGH ROOF DEMOLITION PLAN

PROJECT NO.: 2578-02 | 1/8"=1'-0"

DRAWING NO.:

A103.3



PROVIDE 150 SQUARE FEET OF ADDITIONAL BRICK REPAIR AND RESTORATION USED AT THE DISCRETION OF THE ARCHITECT

PROVIDE 150 SQUARE FEET OF ADDITIONAL FLOOR SLAB DEMOLITION AND REPLACEMENT FOR ADDITIONAL AREAS DESIGNATED BY THE ARCHITECT IN THE FIELD.

OUTLETS AND OTHER DEVICES REQUIRING JUNCTION BOXES ON THE INSIDE FACE OF PERIMETER WALLS, SHALL HAVE JUNCTION BOXES THAT FIT INTO A 2-1/2" METAL STUD PARTITION

IN BASE BID, PROVIDE 30 LINEAL FEET OF ADDITIONAL FASCIA REPLACEMENT TO MATCH THE EXISTING FASCIA FOR REPAIR AREAS DESIGNATED BY THE ARCHITECT IN THE FIELD.

PROVIDE INTERIOR AIR BARRIER AROUND ENTIRE BUILDING INTERIOR TO MEET THE DESIGNATED AIR LEAKAGE REQUIREMENTS. SEAL AND INTEGRATE AIR BARRIER SYSTEM WITH WINDOW INSTALLATION, HVAC INSTALLATION, PENETRATIONS AND OTHER JOINTS. PROVIDE BLOWER DOOR TESTING AND REPORT TO CONFIRM AIR LEAKAGE COMPLIANCE.

WINDOW REPLACEMENT FILED UNDER NYSED PROJECT CONTROL NUMBER 50-03-08-03-6-005-007

SUPPLEMENT AND PROVIDE SHEET AIR BARRIERS IN AREAS WITHOUT THE INTEGRATED INSULATED AIR BARRIER PANELS. LAP AND INTEGRATE SHEET AIR BARRIERS INTO THE INSULATED AIR BARRIER PANEL AND WEATHER BARRIER SYSTEM TO ACHIEVE AIR TIGHTNESS REQUIREMENTS.

PROVIDE AND COORDINATE BLOCKING REQUIREMENTS WITH EQUIPMENT, MILLWORK AND OTHER WALL MOUNTED ELEMENTS. BLOCKING CAN BE METAL STUD FRAMING MOUNTED BETWEEN STUDS; 3/4 INCH THICK FIRE TREATED PLYWOOD MOUNTED BEHIND THE GYPSUM WALL BOARD; OR 18 GAUGE SHEET METAL MOUNTED BEHIND THE GYPSUM WALL BOARD AND SPANNING ACROSS AT LEAST THREE STUDS.

OVER THE ENTIRE INTERIOR FIRST FLOOR SLAB: PROVIDE (BASIS OF DESIGN) STONEHARD LIQUID ELEMENTS SYSTEM OVER OP2 GROUT. SYSTEM CONSISTS OF OP2 PRIMER, OP2 GROUT AND LIQUID ELEMENTS COATING. SEE SPECIFICATION FOR COMPLETE INFORMATION.

SEE SLAB MOISTURE AND CHLORIDE REPORT AND COORDINATE FLOOR MANUFACTURER'S INSTALLATION REQUIREMENTS.

PERIMETER (EXTERIOR) WALLS SHALL RECEIVE NEW FURRING, AIR BARRIER AND INSULATION. 10-A631

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

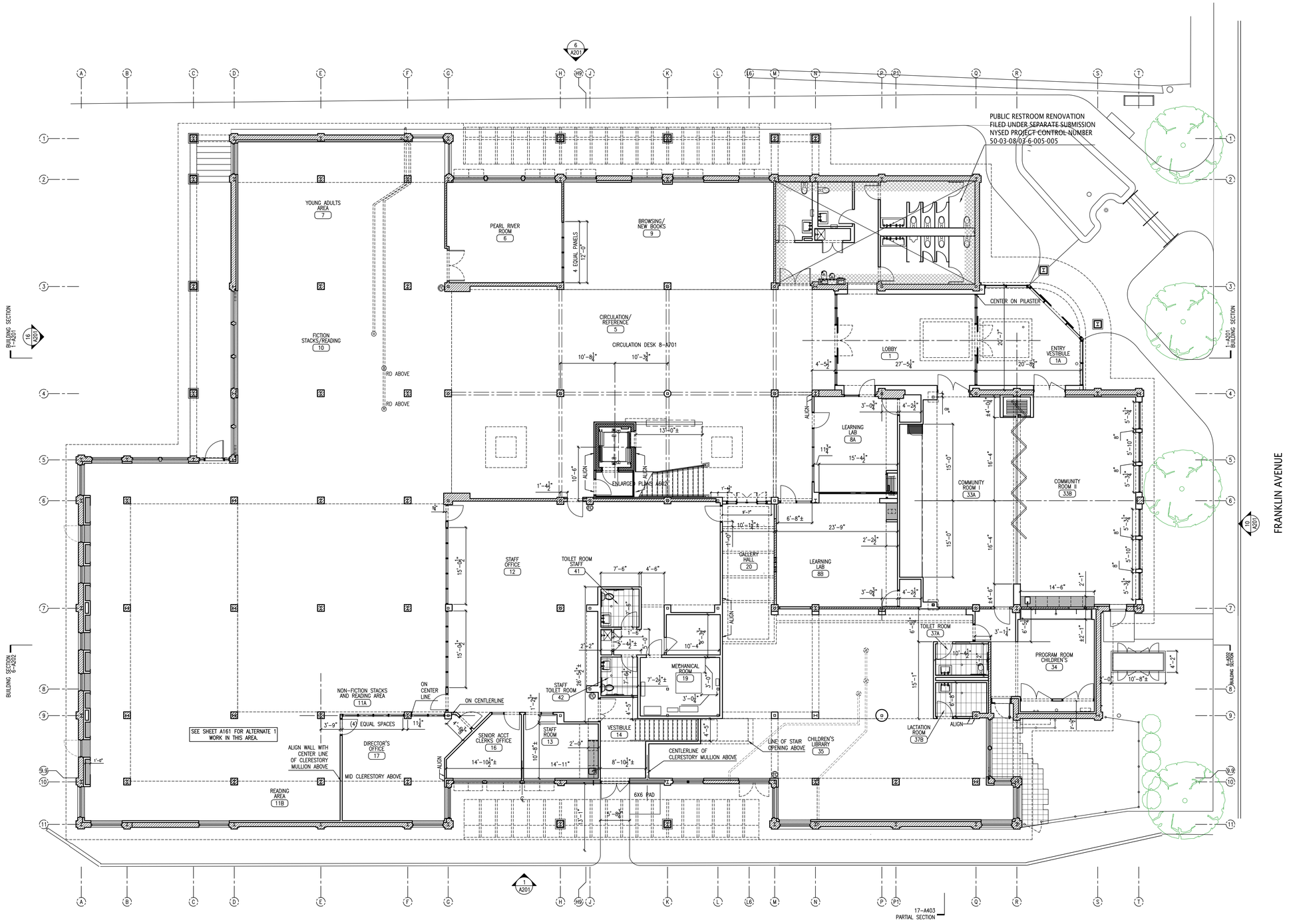
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

FIRST FLOOR CONSTRUCTION PLAN

PROJECT NO.: 2578-02
1/8"=1'-0"

DRAWING NO.:
A111.1



SEE A001 – A003 FOR NOTES AND LEGENDS

Lothrop
Associates Architects D.P.C.

333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	1/28/2025	SED PERMIT AMENDMENT 01
1	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

FIRST FLOOR DIMENSION PLAN

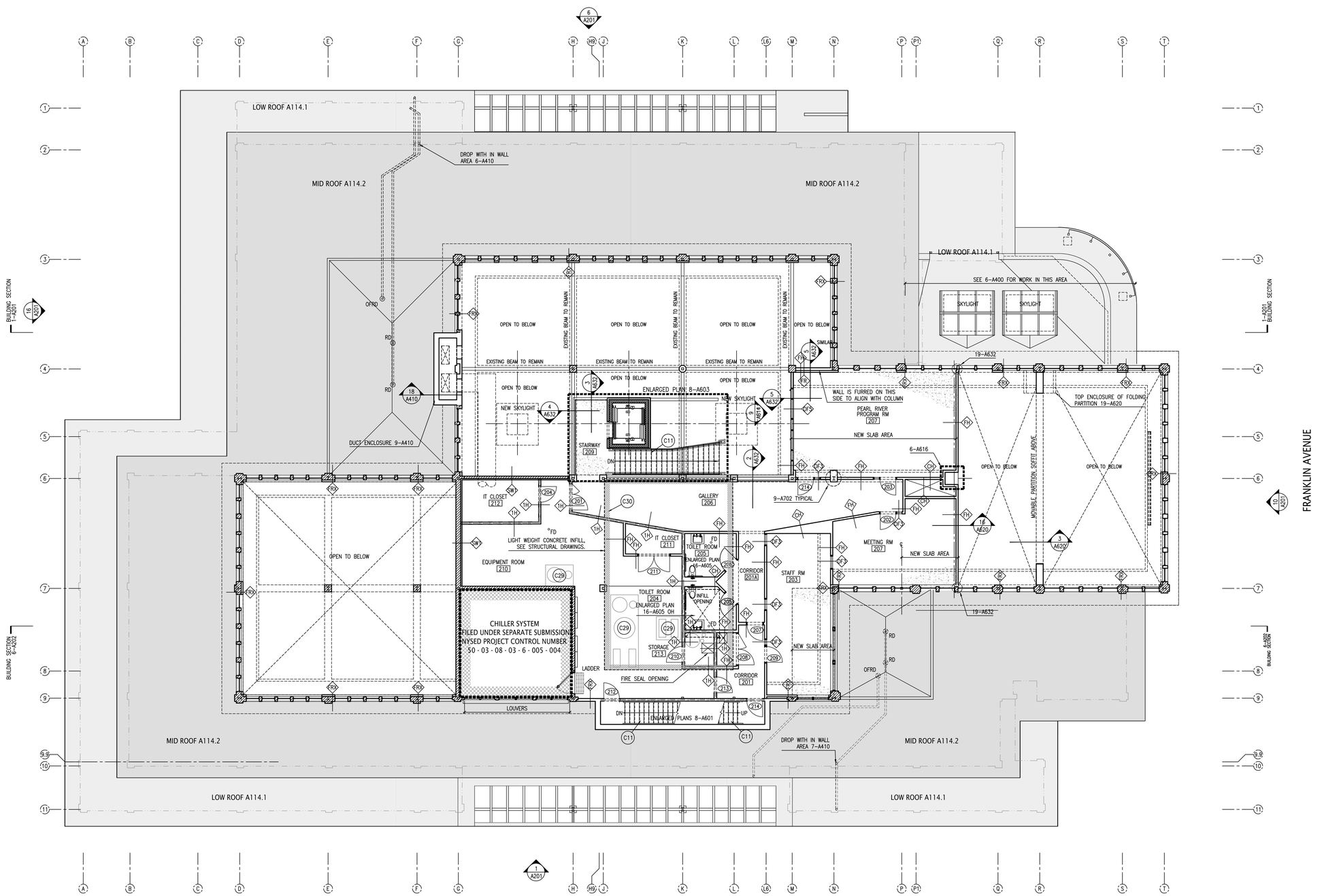
PROJECT NO.: 2578-02

1/8"=1'-0"

DRAWING NO.:

A111.2

one eighth inch = one foot
0 4 8 16



OUTLETS AND OTHER DEVICES REQUIRING JUNCTION BOXES ON THE INSIDE FACE OF PERIMETER WALLS, SHALL HAVE JUNCTION BOXES THAT FIT INTO A 2–1/2" METAL STUD PARTITION.

PROVIDE INTERIOR AIR BARRIER AROUND ENTIRE BUILDING INTERIOR TO MEET THE DESIGNATED AIR LEAKAGE REQUIREMENTS. SEAL AND INTEGRATE AIR BARRIER SYSTEM WITH WINDOW INSTALLATION, HVAC INSTALLATION, PENETRATIONS AND OTHER JOINTS. PROVIDE BLOWER DOOR TESTING AND REPORT TO CONFIRM AIR LEAKAGE COMPLIANCE.

WINDOW REPLACEMENT FILED UNDER NYSED PROJECT CONTROL NUMBER 50–03–08–03–6–005–007

IN BASE BID, PROVIDE 30 LINEAL FEET OF ADDITIONAL FASCIA REPLACEMENT TO MATCH THE EXISTING FASCIA FOR REPAIR AREAS DESIGNATED BY THE ARCHITECT IN THE FIELD.

SUPPLEMENT AND PROVIDE SHEET AIR BARRIERS IN AREAS WITHOUT THE INTEGRATED INSULATED AIR BARRIER PANELS. LAP AND INTEGRATE SHEET AIR BARRIERS INTO THE INSULATED AIR BARRIER PANEL AND WEATHER BARRIER SYSTEM TO ACHIEVE AIR TIGHTNESS REQUIREMENTS.

PROVIDE AND COORDINATE BLOCKING WITH EQUIPMENT, MILLWORK AND OTHER WALL MOUNTED ELEMENTS. BLOCKING CAN BE METAL STUD FRAMING MOUNTED BETWEEN STUDS; 3/4 INCH THICK FIRE TREATED PLYWOOD MOUNTED BEHIND THE GYPSUM WALL BOARD; OR 18 GAUGE SHEET METAL MOUNTED BEHIND THE GYPSUM WALL BOARD AND SPANNING ACROSS AT LEAST THREE STUDS.

SEE ROOF PLAN A114.1 – A114.3 FOR ROOF WORK

PERIMETER (EXTERIOR) WALLS SHALL RECEIVE NEW FURRING, AIR BARRIER AND INSULATION. 10–A631

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot 1/8

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST.
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
3	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
2	06-05-2024	ISSUED TO SED FOR PERMIT
1	05-15-2024	95% PROGRESS PRINT
	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

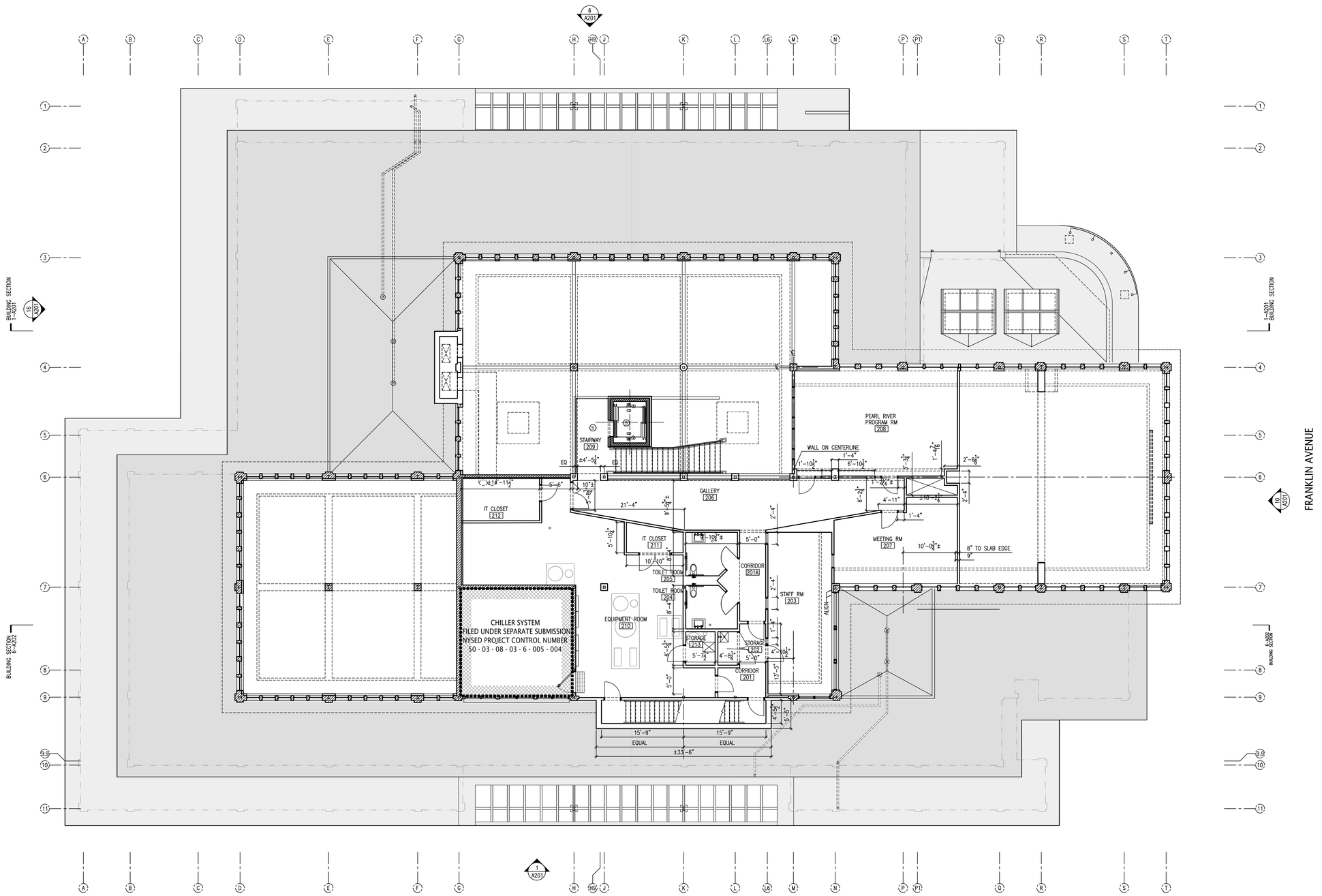
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

SECOND FLOOR CONSTRUCTION PLAN

PROJECT NO.: 2578-02
1/8"=1'-0"

DRAWING NO.:
A113.1



SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot 1/8" = 1'-0"

Lothrop Associates Architects D.P.C.

333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
3	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
2	06-05-2024	ISSUED TO SED FOR PERMIT
1	05-15-2024	95% PROGRESS PRINT
	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

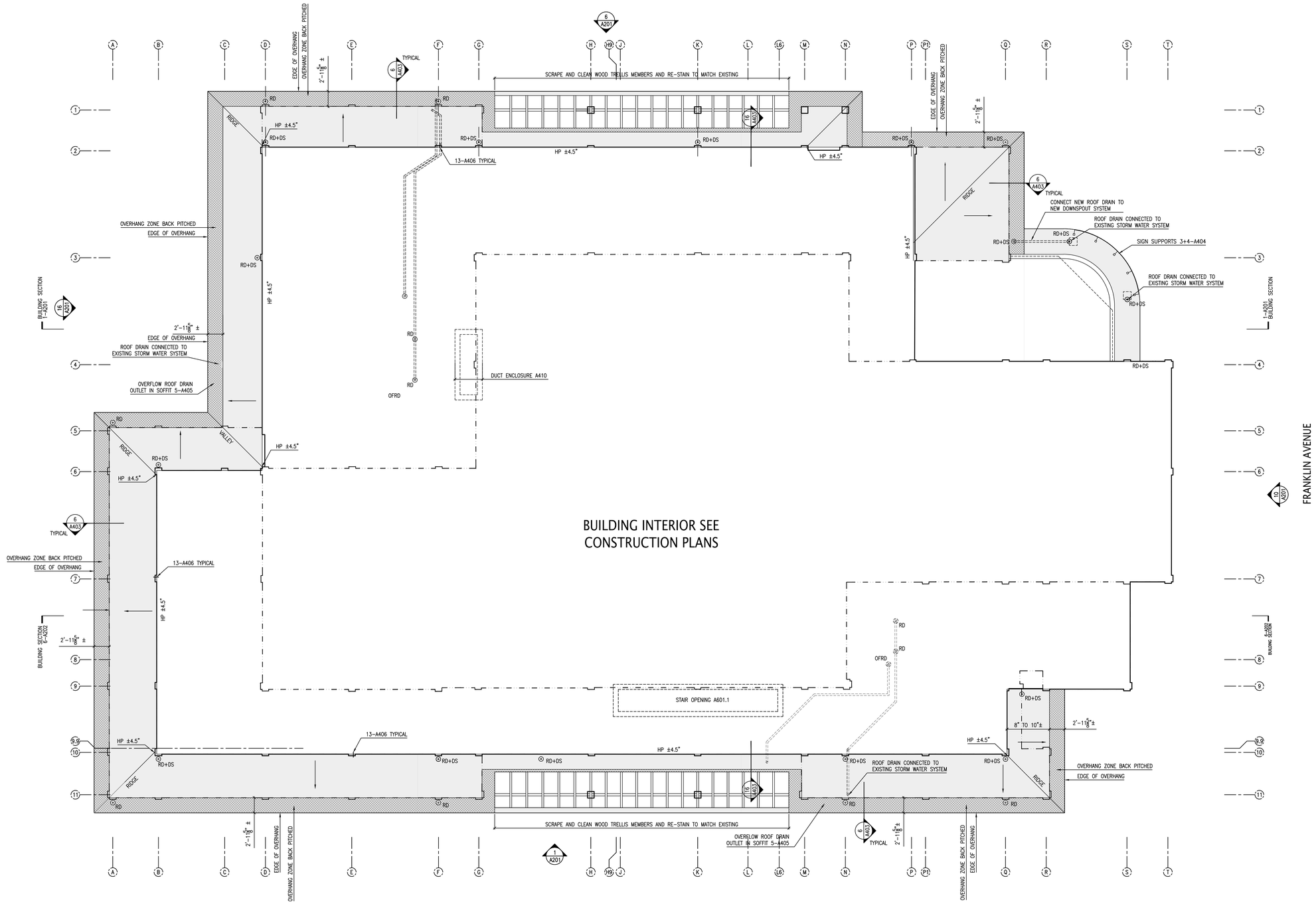
SECOND FLOOR DIMENSION PLAN

PROJECT NO.: 2578-02

1/8"=1'-0"

DRAWING NO.:

A113.2



INSULATE THE ENTIRE "UNDERSIDE OF ROOF DECK" AREAS WITH CLOSED CELL SPRAY INSULATION. SEAL AND INSULATE ROOF|WALL INTERSECTIONS TO FORM A CONTINUOUS AIR BARRIER FROM THE SLAB ON GRADE THROUGHOUT THE BUILDING.

ALL ROOF DRAINS CONCEALED DRAIN PIPE LEADERS ARE PROVIDED BY THE PLUMBING CONTRACTOR. ROOF DRAIN LEADERS EXPOSED BELOW THE EAVE DRAIN ON THE BUILDING EXTERIOR ARE PROVIDED BY THE GENERAL CONTRACTOR.

ROOF SYSTEM SHALL RESIST 115 MPH WIND ZONE REQUIREMENTS. PROVIDE SHOP DRAWINGS AND MANUFACTURER DOCUMENTATION DEMONSTRATING COMPLIANCE.

SUPPLEMENT AND PROVIDE SHEET AIR BARRIERS IN AREAS WITHOUT THE INTEGRATED INSULATED AIR BARRIER PANELS. LAP AND INTEGRATE INTO THE INSULATED AIR BARRIER PANELS AND WEATHER BARRIER.

REPLACE EXISTING ROOF DRAINS, LEADERS, DOWNSPOUTS WITH NEW COPPER LEADERS AND DOWNSPOUTS TO MATCH EXISTING.

PROVIDE INTERIOR AIR BARRIER AROUND ENTIRE BUILDING INTERIOR TO MEET THE DESIGNATED AIR LEAKAGE REQUIREMENTS. SEAL AND INTEGRATE AIR BARRIER SYSTEM WITH WINDOW INSTALLATION, HVAC INSTALLATION, PENETRATIONS AND OTHER JOINTS. PROVIDE BLOWER DOOR TESTING AND REPORT TO CONFIRM AIR LEAKAGE COMPLIANCE.

PROVIDE NEW TAPERED INSULATION, COVER BOARD AND EPDM ROOF MEMBRANE. AT UNDERSIDE OF DECK PROVIDE SPRAY INSULATION > R30.

OVER ENTIRE ROOF: INFILL ABANDONED OPENINGS NOT RE-PURPOSED. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

EXISTING ROOF STEEL IS SLOPED FOR DRAINAGE. EXISTING INSULATION IS NOT TAPERED. NEW ROOF INSULATION SHALL BE TAPERED TO INCREASE THE DRAINAGE PITCH.

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

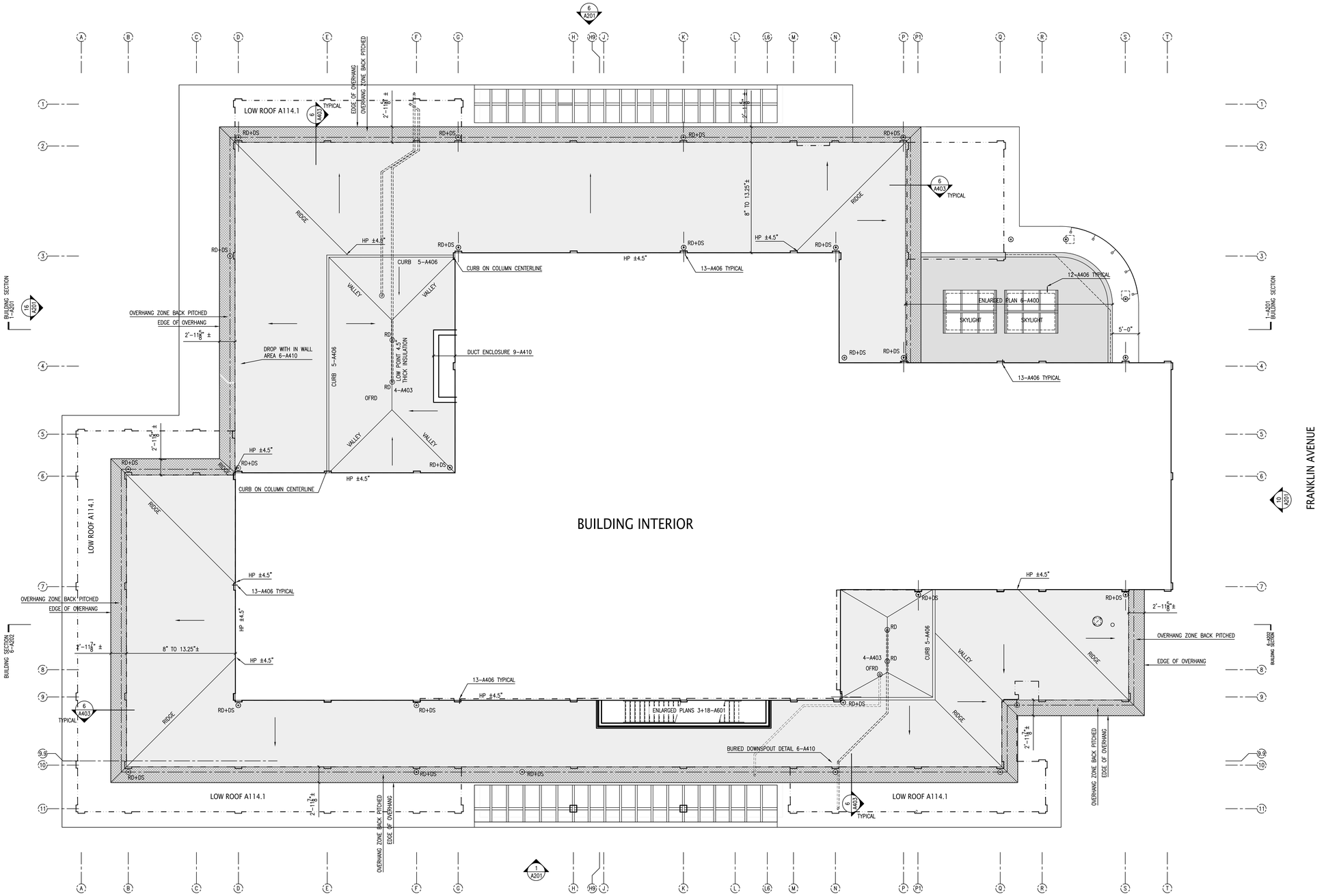
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

LOW ROOF CONSTRUCTION PLAN

PROJECT NO.: 2578-02
1/8"=1'-0"

DRAWING NO.:
A114.1



INSULATE THE ENTIRE "UNDERSIDE OF ROOF DECK" AREAS WITH CLOSED CELL SPRAY INSULATION. SEAL AND INSULATE ROOF|WALL INTERSECTIONS TO FORM A CONTINUOUS AIR BARRIER FROM THE SLAB ON GRADE THROUGHOUT THE BUILDING.

ALL ROOF DRAINS CONCEALED DRAIN PIPE LEADERS ARE PROVIDED BY THE PLUMBING CONTRACTOR. ROOF DRAIN LEADERS EXPOSED BELOW THE EAVE DRAIN ON THE BUILDING EXTERIOR ARE PROVIDED BY THE GENERAL CONTRACTOR.

ROOF SYSTEM SHALL RESIST 115 MPH WIND ZONE REQUIREMENTS. PROVIDE SHOP DRAWINGS AND MANUFACTURER DOCUMENTATION DEMONSTRATING COMPLIANCE.

SUPPLEMENT AND PROVIDE SHEET AIR BARRIERS IN AREAS WITHOUT THE INTEGRATED INSULATED AIR BARRIER PANELS. LAP AND INTEGRATE INTO THE INSULATED AIR BARRIER PANELS AND WEATHER BARRIER.

REPLACE EXISTING ROOF DRAINS, LEADERS, DOWNSPOUTS WITH NEW COPPER LEADERS AND DOWNSPOUTS TO MATCH EXISTING.

PROVIDE INTERIOR AIR BARRIER AROUND ENTIRE BUILDING INTERIOR TO MEET THE DESIGNATED AIR LEAKAGE REQUIREMENTS. SEAL AND INTEGRATE AIR BARRIER SYSTEM WITH WINDOW INSTALLATION, HVAC INSTALLATION, PENETRATIONS AND OTHER JOINTS. PROVIDE BLOWER DOOR TESTING AND REPORT TO CONFIRM AIR LEAKAGE COMPLIANCE.

PROVIDE NEW TAPERED INSULATION, COVER BOARD AND EPDM ROOF MEMBRANE. AT UNDERSIDE OF DECK PROVIDE SPRAY INSULATION > R30.

OVER ENTIRE ROOF: INFILL ABANDONED OPENINGS NOT RE-PURPOSED. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

EXISTING ROOF STEEL IS SLOPED FOR DRAINAGE. EXISTING INSULATION IS NOT TAPERED. NEW ROOF INSULATION SHALL BE TAPERED TO INCREASE THE DRAINAGE PITCH.

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT|AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

2	1/28/2025	SED PERMIT AMENDMENT 01
1	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
ISSUE NO.		DESCRIPTION

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

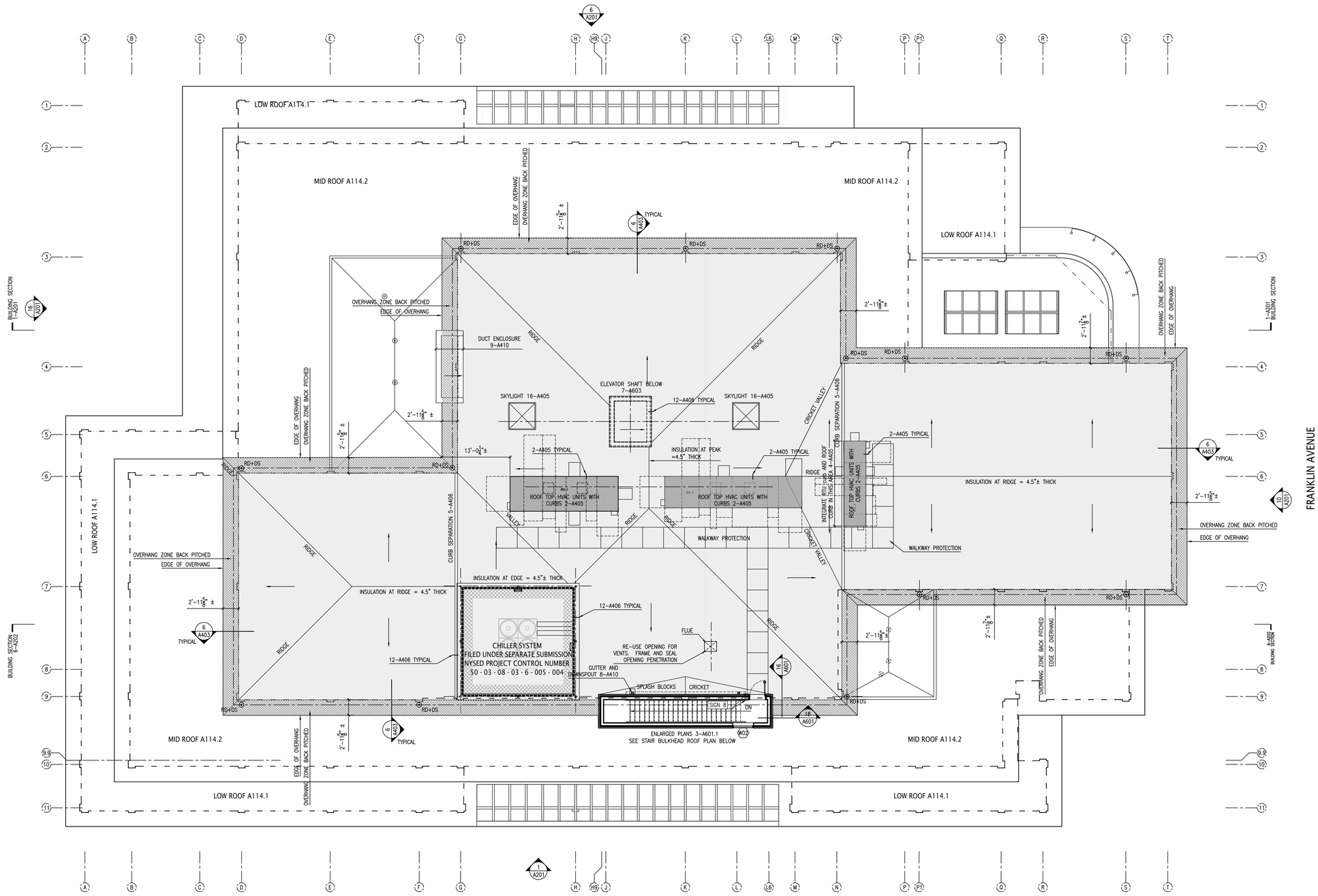
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

MID ROOF CONSTRUCTION PLAN

PROJECT NO.: 2578-02 | 1/8"=1'-0"

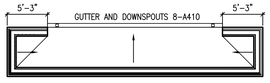
DRAWING NO.:

A114.2



INSULATE THE ENTIRE "UNDERSIDE OF ROOF DECK" AREAS WITH CLOSED CELL SPRAY INSULATION. SEAL AND INSULATE ROOF/WALL INTERSECTIONS TO FORM A CONTINUOUS AIR BARRIER FROM THE SLAB ON GRADE THROUGHOUT THE BUILDING.

ROOFTOP UNIT (RTU) LEGEND	
RTU 1	5'-5" HIGH PLUS CURB
RTU 2	5'-2 1/2" HIGH PLUS CURB
RTU 3	3'-5 1/4" HIGH PLUS CURB



A STAIR BULKHEAD ROOF PLAN
1/8" = 1'-0"

ALL ROOF DRAINS CONCEALED DRAIN PIPE LEADERS ARE PROVIDED BY THE PLUMBING CONTRACTOR. ROOF DRAIN LEADERS EXPOSED BELOW THE EAVE DRAIN ON THE BUILDING EXTERIOR ARE PROVIDED BY THE GENERAL CONTRACTOR.

ROOF SYSTEM SHALL RESIST 115 MPH WIND ZONE REQUIREMENTS. PROVIDE SHOP DRAWINGS AND MANUFACTURER DOCUMENTATION DEMONSTRATING COMPLIANCE.

SUPPLEMENT AND PROVIDE SHEET AIR BARRIERS IN AREAS WITHOUT THE INTEGRATED INSULATED AIR BARRIER PANELS. LAP AND INTEGRATE INTO THE INSULATED AIR BARRIER PANELS AND WEATHER BARRIER.

REPLACE EXISTING ROOF DRAINS, LEADERS, DOWNSPOUTS WITH NEW COPPER LEADERS AND DOWNSPOUTS TO MATCH EXISTING.

PROVIDE INTERIOR AIR BARRIER AROUND ENTIRE BUILDING INTERIOR TO MEET THE DESIGNATED AIR LEAKAGE REQUIREMENTS. SEAL AND INTEGRATE AIR BARRIER SYSTEM WITH WINDOW INSTALLATION, HVAC INSTALLATION, PENETRATIONS AND OTHER JOINTS. PROVIDE BLOWER DOOR TESTING AND REPORT TO CONFIRM AIR LEAKAGE COMPLIANCE.

PROVIDE NEW TAPERED INSULATION, COVER BOARD AND EPDM ROOF MEMBRANE. AT UNDERSIDE OF DECK PROVIDE SPRAY INSULATION > R30.

OVER ENTIRE ROOF: INFILL ABANDONED OPENINGS NOT RE-PURPOSED. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

EXISTING ROOF STEEL IS SLOPED FOR DRAINAGE. EXISTING INSULATION IS NOT TAPERED. NEW ROOF INSULATION SHALL BE TAPERED TO INCREASE THE DRAINAGE PITCH.

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

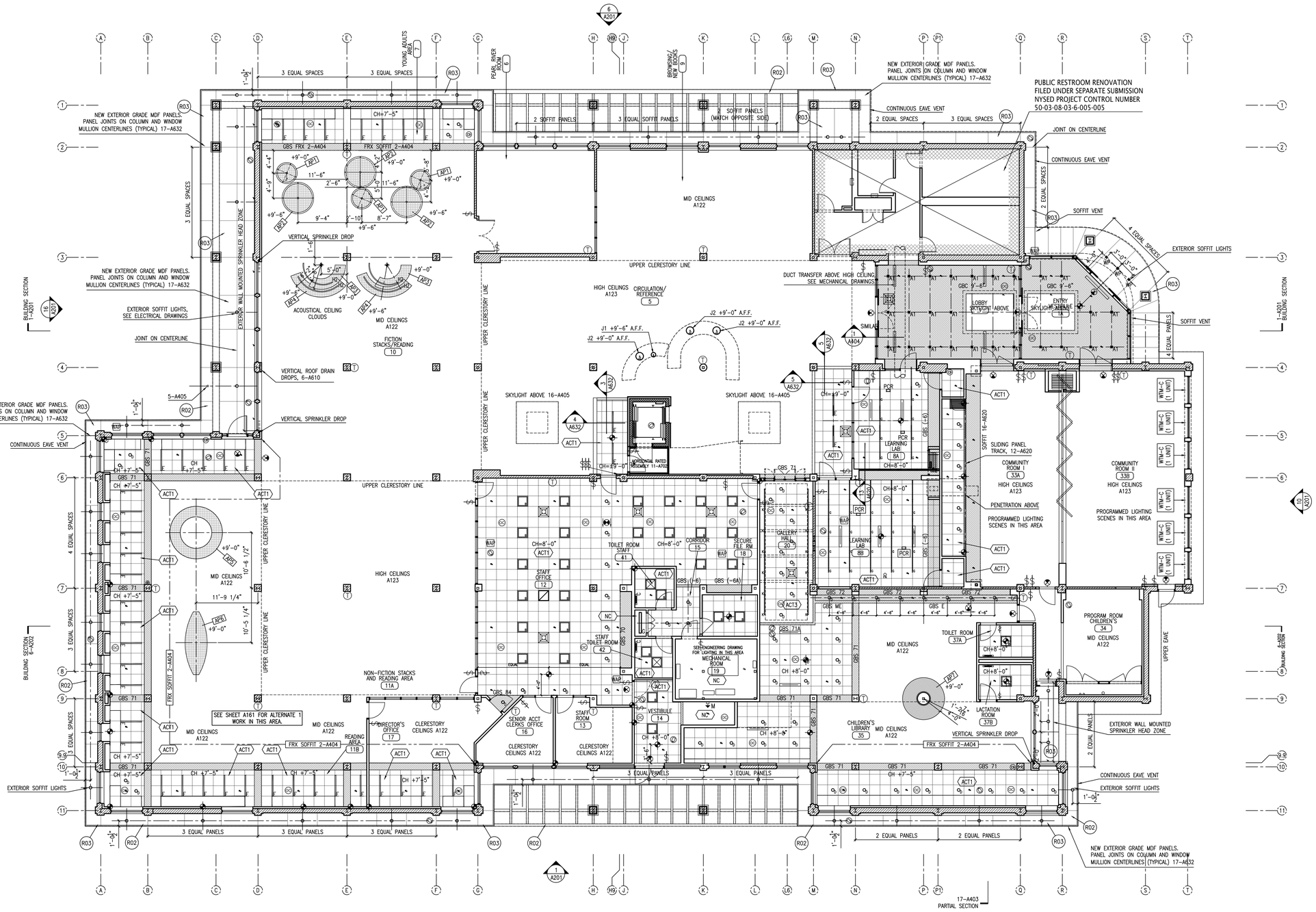
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

HIGH ROOF CONSTRUCTION PLAN

PROJECT NO.: 2578-02 | 1/8"=1'-0"

DRAWING NO.:

A114.3



ALL CEILING HUNG FIXTURES, ACOUSTICAL GRID AND PANELS SHALL BE SUSPENDED FROM STRUCTURE ABOVE. CONNECTIONS TO THE METAL DECK IS NOT PERMITTED. PROVIDE UNISTRUT OR OTHER ACCEPTABLE BRIDGING BETWEEN JOISTS AND BEAMS FOR SUSPENDED ELEMENTS.

PAINT UNDERSIDE OF SOFFITS BRIGHT WHITE WITH FLAT FINISH. SOFFIT FASCIAS SHALL MATCH THE ADJACENT WALL COLOR.

PAINT EXPOSED SPRINKLER PIPES SERVING THE CEILING CLOUDS SPRINKLER HEADS

AFTER REMOVAL OF THE EXISTING EXTERIOR SOFFITS AND BEFORE INSTALLATION OF THE NEW SOFFITS: COMPLETE PERIMETER WALL AIR AND WEATHER BARRIER INSTALLATION AND SPRAY INSULATION OF THE UNDERSIDE OF THE METAL DECK THROUGHOUT THE EAVE AREAS.

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 8 16

Lothrop Associates Architects D.P.C.

333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
7	1/28/2025	SED PERMIT AMENDMENT 01
6	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

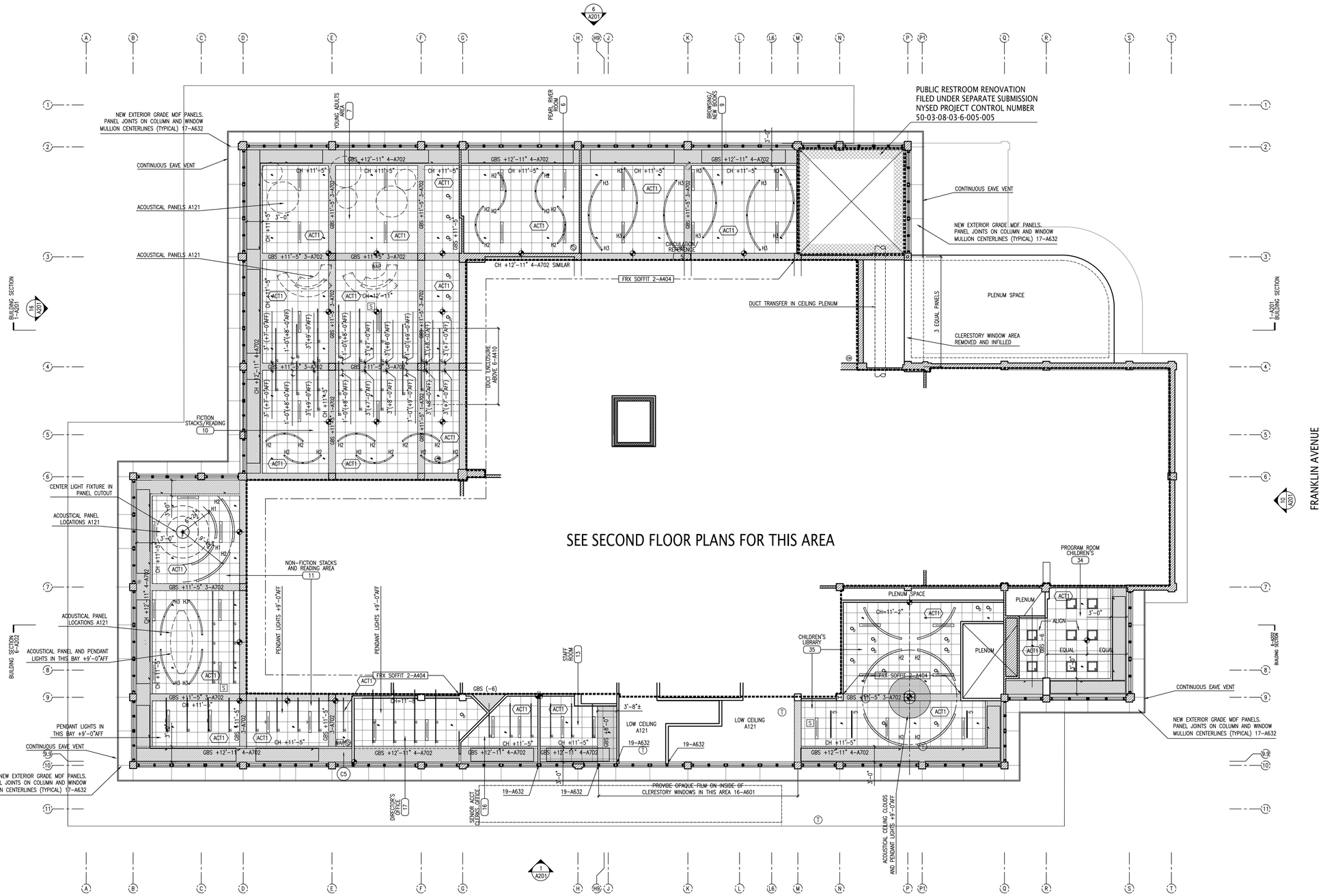
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

FIRST FLOOR REFLECTED CEILING PLAN

PROJECT NO.: 2578-02
1/8"=1'-0"

DRAWING NO.:
A121



ALL CEILING HUNG FIXTURES, ACOUSTICAL GRID AND PANELS SHALL BE SUSPENDED FROM STRUCTURE ABOVE. CONNECTIONS TO THE METAL DECK IS NOT PERMITTED. PROVIDE UNISTRUT OR OTHER ACCEPTABLE BRIDGING BETWEEN JOISTS AND BEAMS FOR SUSPENDED ELEMENTS.

PAINT UNDERSIDE OF SOFFITS BRIGHT WHITE WITH FLAT FINISH. SOFFIT FASCIAS SHALL MATCH THE ADJACENT WALL COLOR.

PAINT EXPOSED SPRINKLER PIPES SERVING THE CEILING CLOUDS SPRINKLER HEADS

AFTER REMOVAL OF THE EXISTING EXTERIOR SOFFITS AND BEFORE INSTALLATION OF THE NEW SOFFITS: COMPLETE PERIMETER WALL AIR AND WEATHER BARRIER INSTALLATION AND SPRAY INSULATION OF THE UNDERSIDE OF THE METAL DECK THROUGHOUT THE EAVE AREAS.

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

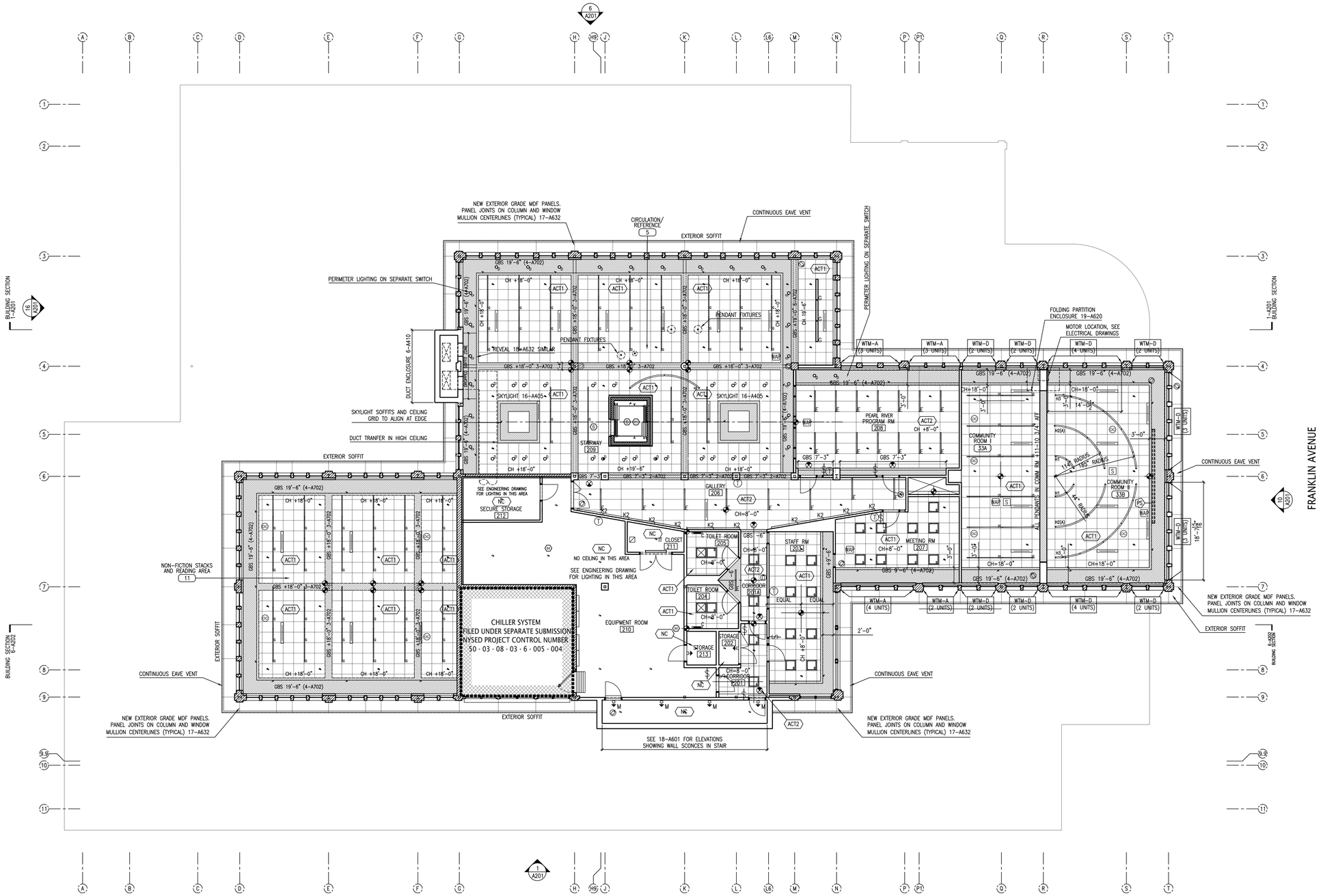
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

FIRST FLOOR CLERESTORY REFLECTED CEILING PLAN

PROJECT NO.: 2578-02
1/8"=1'-0"

DRAWING NO.:

A122



ALL CEILING HUNG FIXTURES, ACOUSTICAL GRID AND PANELS SHALL BE SUSPENDED FROM STRUCTURE ABOVE. CONNECTIONS TO THE METAL DECK IS NOT PERMITTED. PROVIDE UNISTRUT OR OTHER ACCEPTABLE BRIDGING BETWEEN JOISTS AND BEAMS FOR SUSPENDED ELEMENTS.

PAINT UNDERSIDE OF SOFFITS BRIGHT WHITE WITH FLAT FINISH. SOFFIT FASCIAS SHALL MATCH THE ADJACENT WALL COLOR.

PAINT EXPOSED SPRINKLER PIPES SERVING THE CEILING CLOUDS SPRINKLER HEADS

AFTER REMOVAL OF THE EXISTING EXTERIOR SOFFITS AND BEFORE INSTALLATION OF THE NEW SOFFITS: COMPLETE PERIMETER WALL AIR AND WEATHER BARRIER INSTALLATION AND SPRAY INSULATION OF THE UNDERSIDE OF THE METAL DECK THROUGHOUT THE EAVE AREAS.

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
1	12-20-2024	NYSED COMMENT REVISIONS
2	1/28/2025	SED PERMIT AMENDMENT 01

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

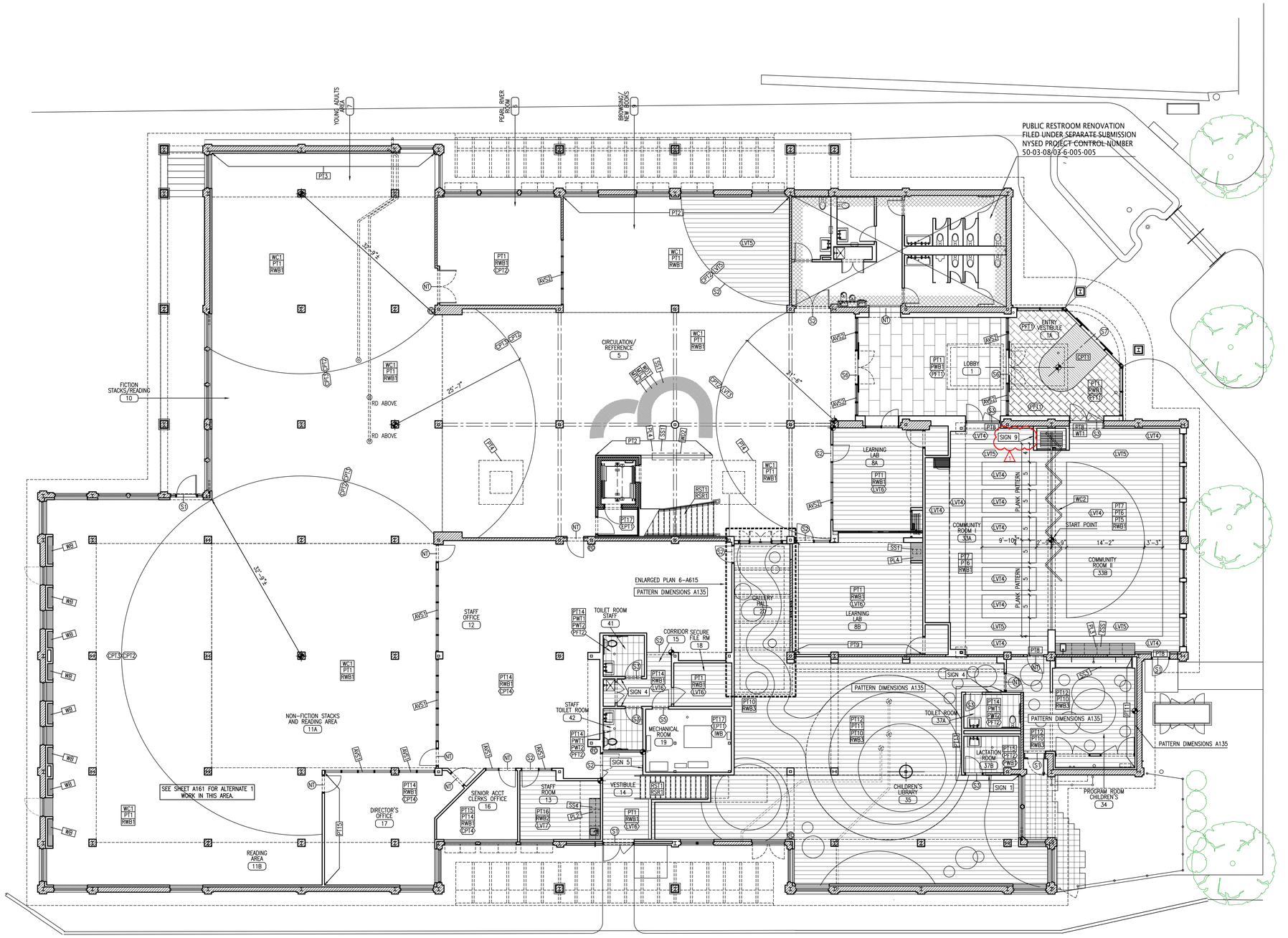
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

SECOND FLOOR HIGH REFLECTED CEILING PLAN

PROJECT NO.: 2578-02 | 1/8"=1'-0"

DRAWING NO.:

A123



PAINT HOLLOW METAL DOORS AND FRAMES PT8 UNLESS OTHERWISE NOTED.

WALLS SHALL BE PAINTED UNLESS OTHERWISE NOTED

ALL EXPOSED STEEL TO BE PAINTED UNLESS OTHERWISE NOTED

CLOSETS SHALL HAVE THE SAME FINISHES AS THE ROOMS THEY SERVE UNLESS OTHERWISE NOTED

SEE A133 FOR RENDERED FLOOR PATTERN DIMENSIONING

PROVIDE NEW FINISHED WOOD WINDOWS SILL AT FIRST FLOOR PERIMETER WINDOWS. 5–A702

SEAL ENTIRE FIRST FLOOR SLAB WITH (EPT1). SEE FINISH SCHEDULE FOR PRODUCT INFORMATION AND SLAB MOISTURE AND CHLORIDE REPORT AND COORDINATE FLOOR MANUFACTURER'S INSTALLATION REQUIREMENTS.

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	1/28/2025	SED PERMIT AMENDMENT 01
1	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

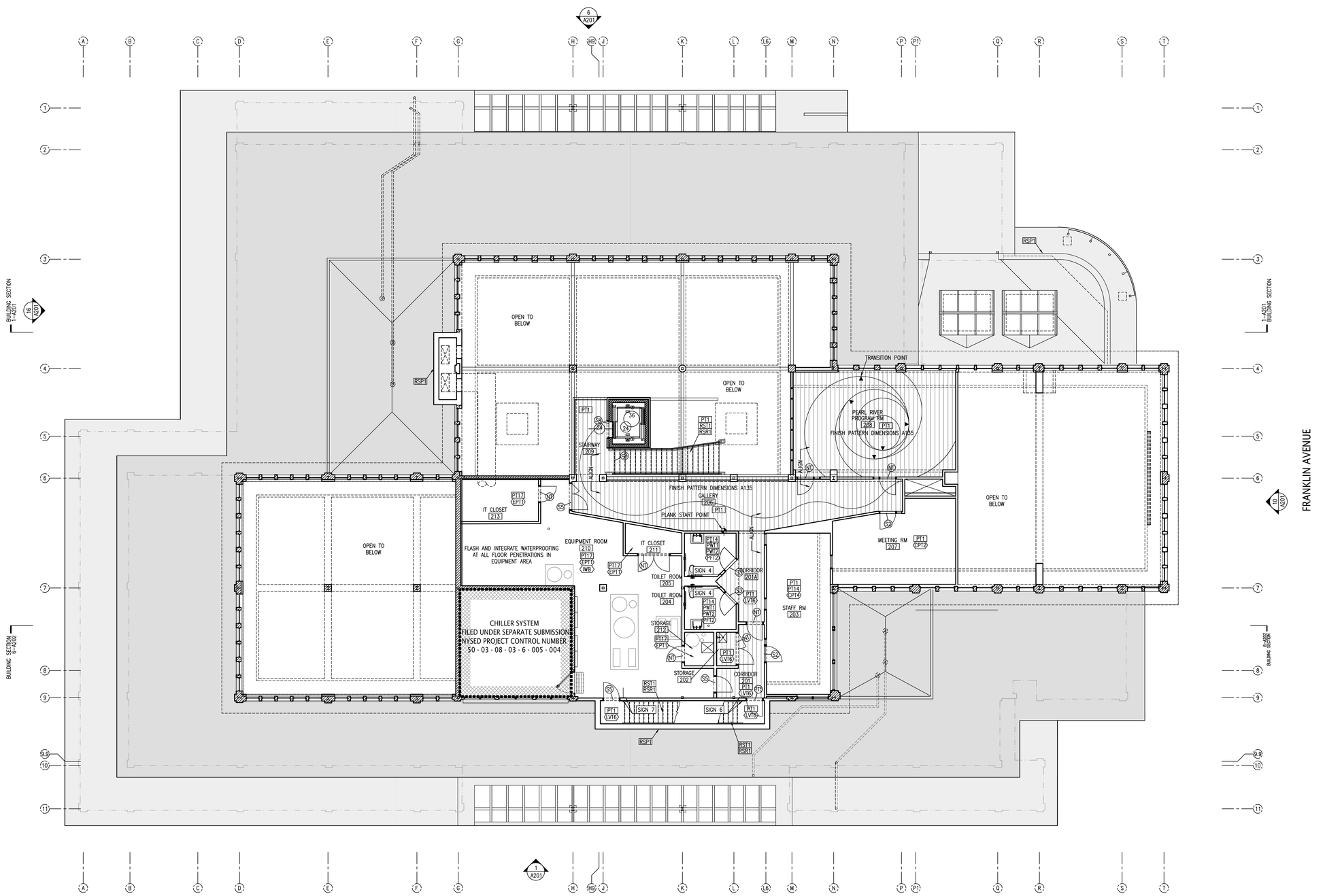
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

FIRST FLOOR FINISH PLAN

PROJECT NO.: 2578-02 | 1/8"=1'-0"

DRAWING NO.:

A131



PAINT HOLLOW METAL DOORS AND FRAMES PT8 UNLESS OTHERWISE NOTED.

WALLS SHALL BE PAINTED UNLESS OTHERWISE NOTED

ALL EXPOSED STEEL TO BE PAINTED UNLESS OTHERWISE NOTED

CLOSETS SHALL HAVE THE SAME FINISHES AS THE ROOMS THEY SERVE UNLESS OTHERWISE NOTED

SEE A133 FOR RENDERED FLOOR PATTERN DIMENSIONING

SEE A001 – A003 FOR NOTES AND LEGENDS

Lothrop Associates Architects D.P.C.

333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
1	12-20-2024	NYSED COMMENT REVISIONS
2	1/28/2025	SED PERMIT AMENDMENT 01

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

SECOND FLOOR FINISH PLAN

PROJECT NO.: 2578-02 | 1/8"=1'-0"

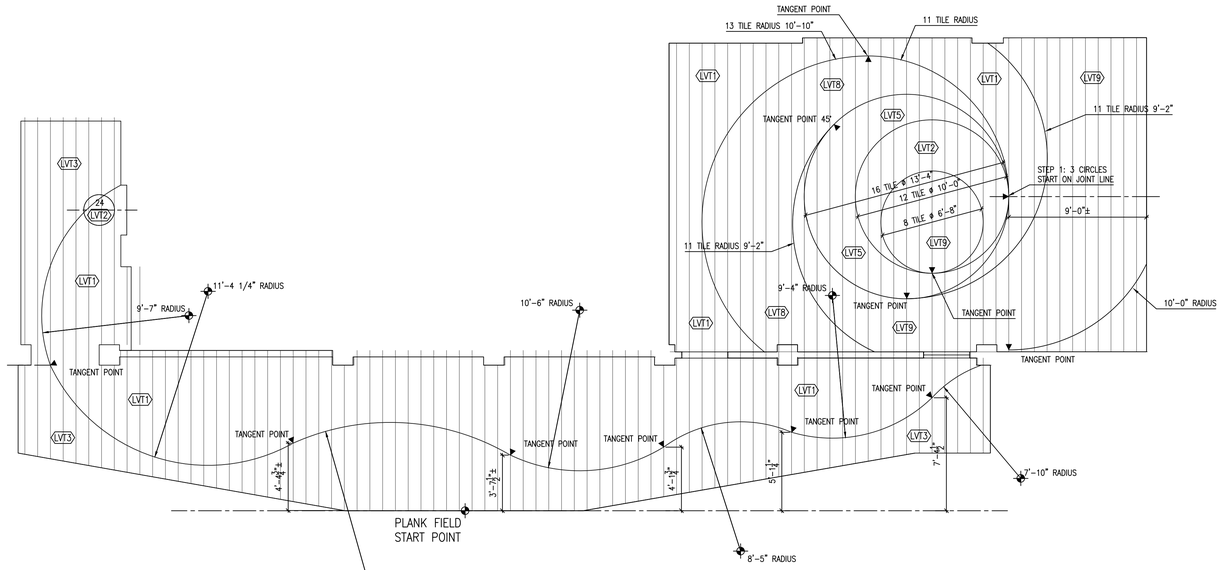
DRAWING NO.:

A132

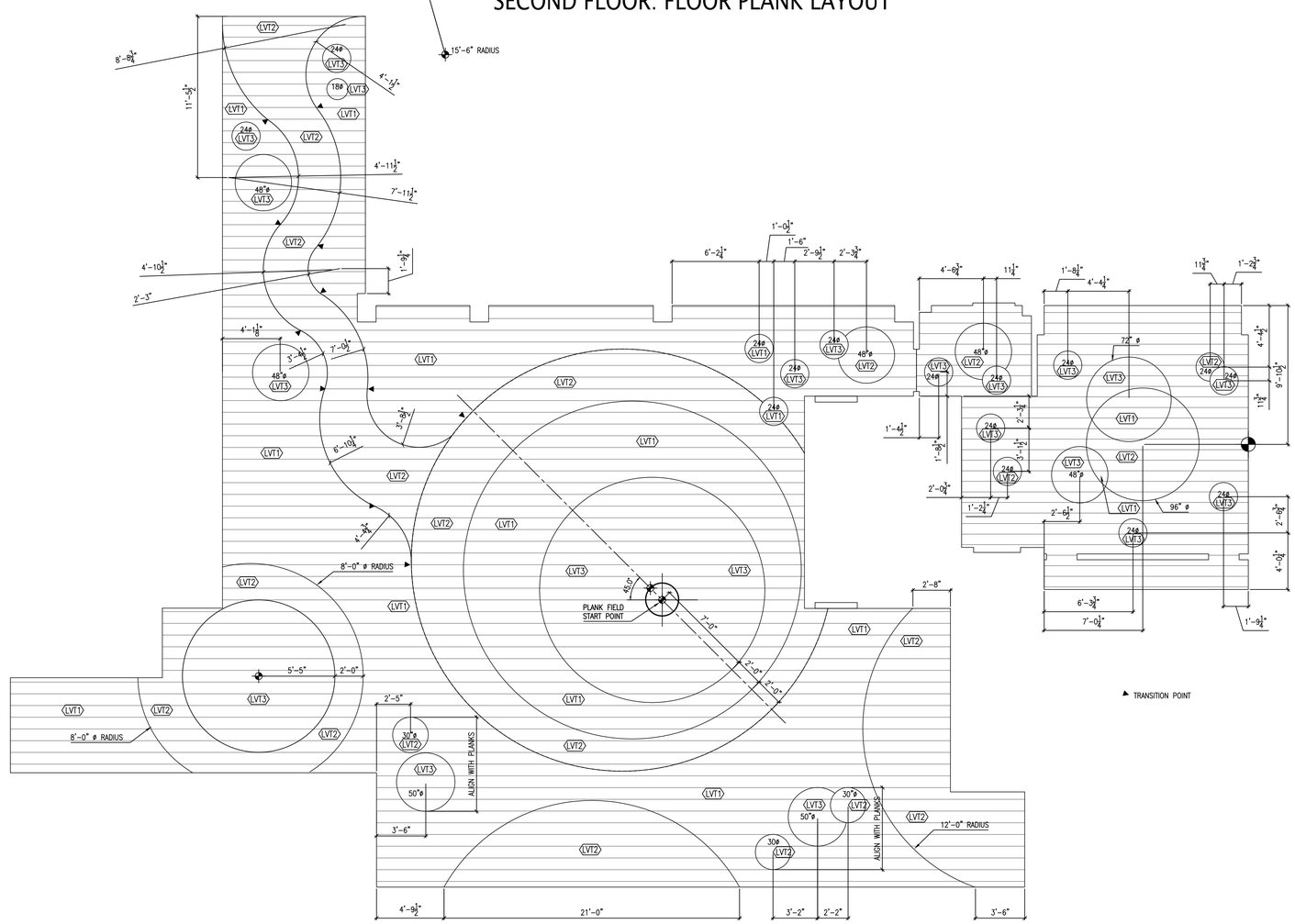
one eighth inch = one foot 16
0 8



ELEVATOR CAB PLANK LAYOUT



SECOND FLOOR: FLOOR PLANK LAYOUT



CHILDREN LIBRARY: FLOOR PLANK LAYOUT

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT|AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
1	12-20-2024	NYSED COMMENT REVISIONS
2	1/28/2025	SED PERMIT AMENDMENT 01

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

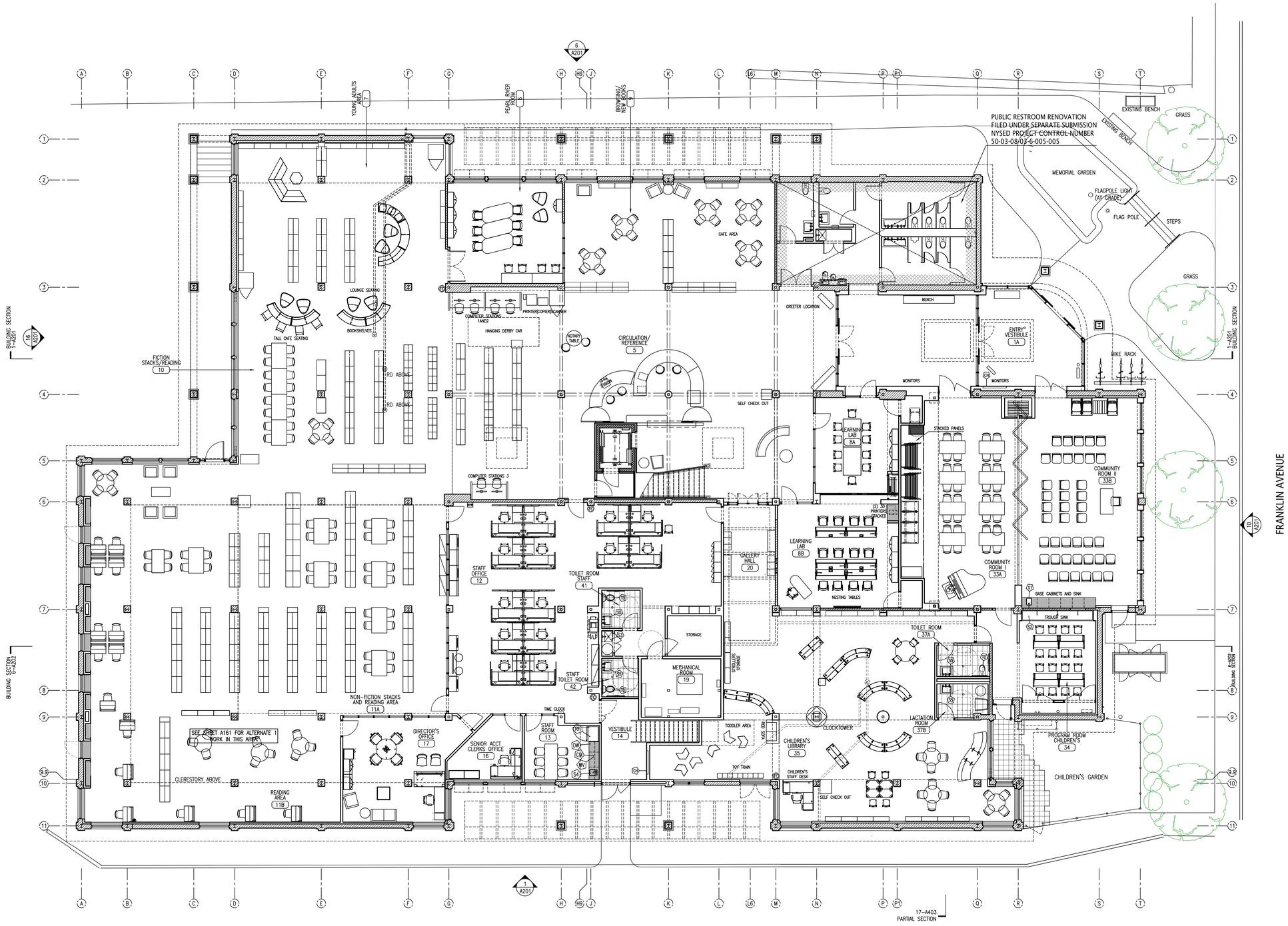
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

FINISH PLAN LAYOUT DIMENSIONS

PROJECT NO.: 2578-02

DRAWING NO.:

A135



FURNITURE AND OFFICE EQUIPMENT ARE PROVIDED BY OWNER. COORDINATE INSTALLATION REQUIREMENTS WITH OWNERS CONSULTANTS. CONTRACTOR SHALL MAKE FINAL ELECTRICAL CONNECTIONS.

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot

Lothrop Associates Architects D.P.C.

333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
2	1/28/2025	SED PERMIT AMENDMENT 01
1	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

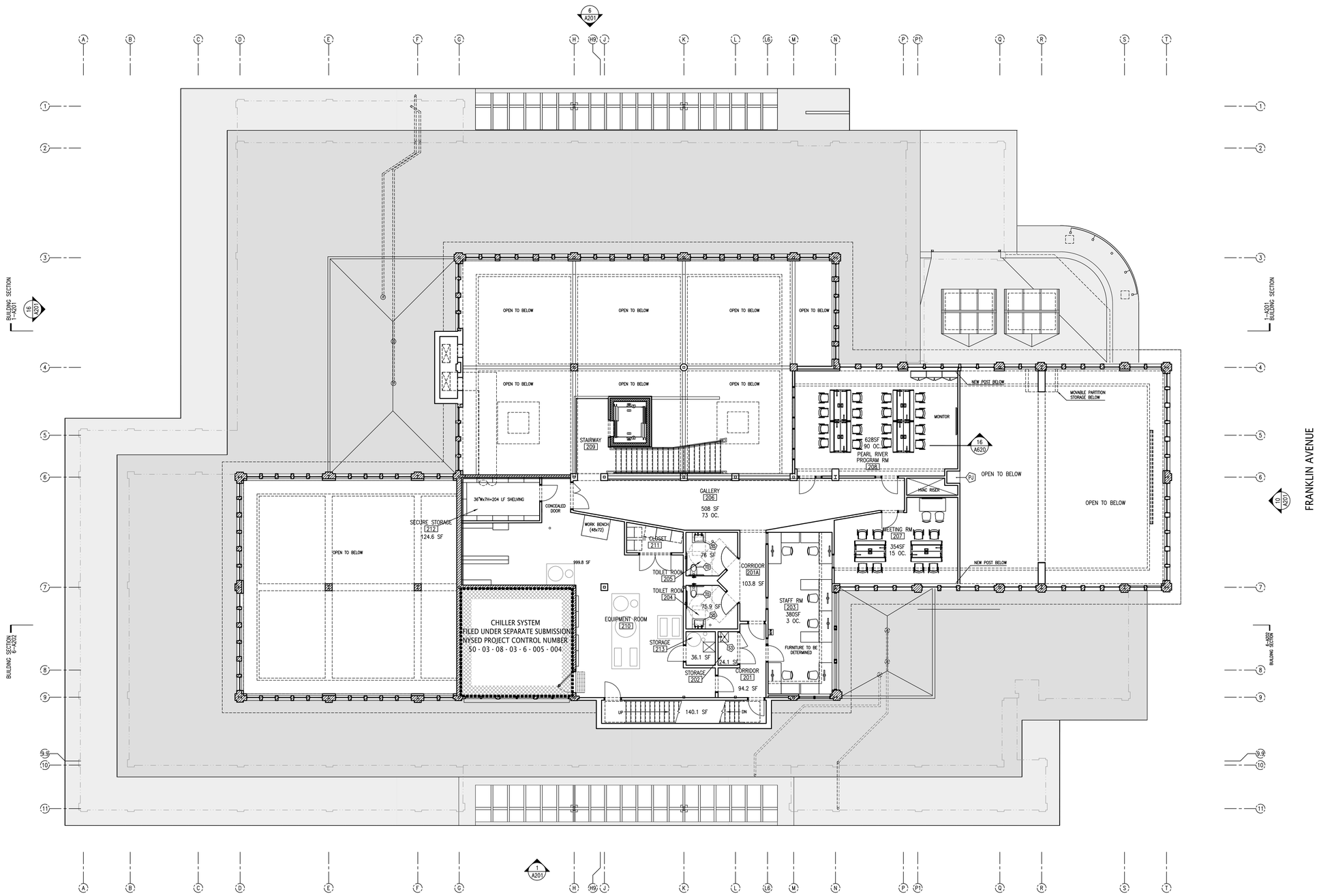
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

FIRST FLOOR FURNITURE AND EQUIPMENT PLAN

PROJECT NO.: 2578-02 | 1/8"=1'-0"

DRAWING NO.:

A141



FURNITURE AND OFFICE EQUIPMENT ARE PROVIDED BY OWNER. COORDINATE INSTALLATION REQUIREMENTS WITH OWNERS CONSULTANTS. CONTRACTOR SHALL MAKE FINAL ELECTRICAL CONNECTIONS.

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST.
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

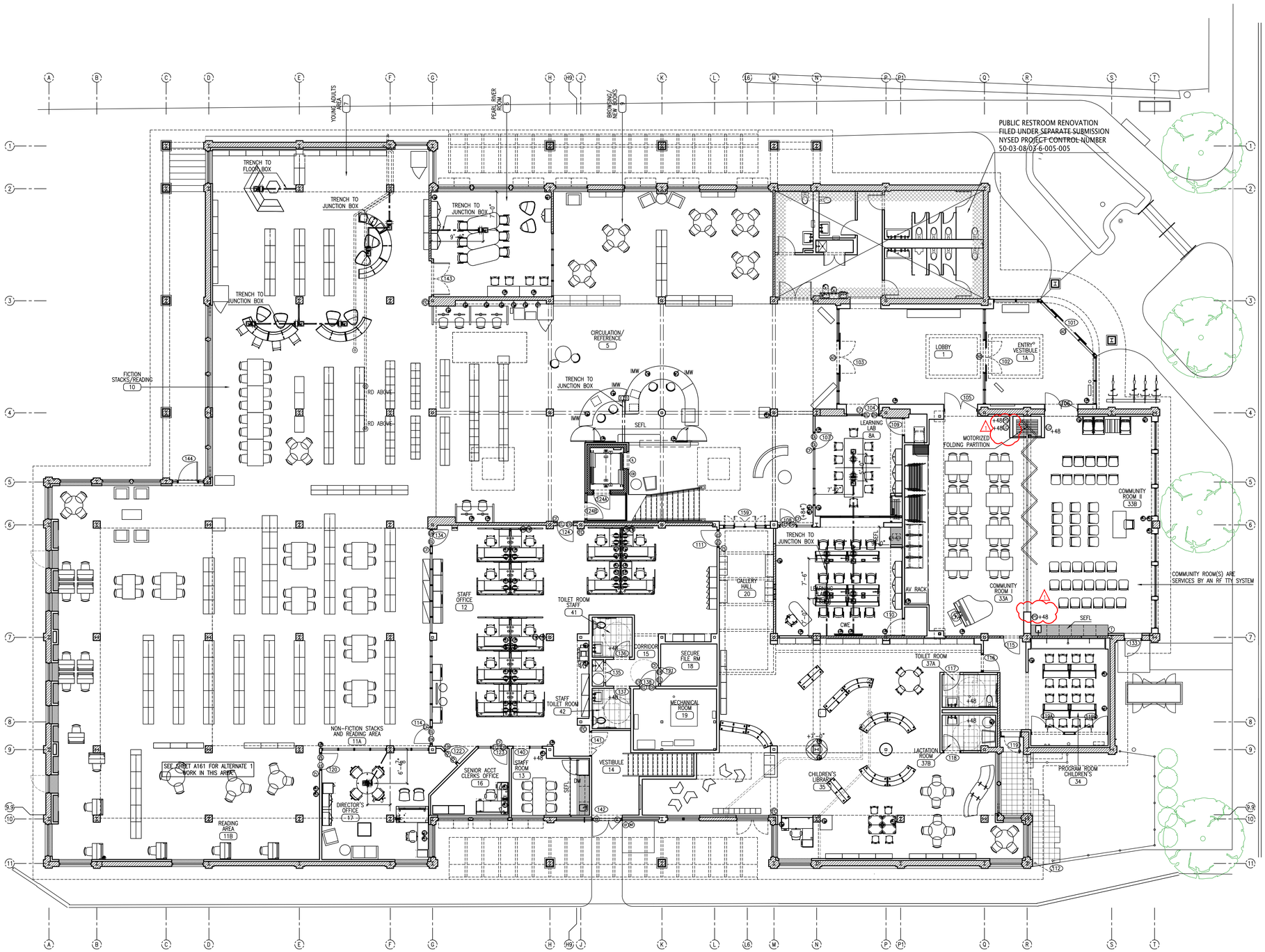
SECOND FLOOR FURNITURE AND EQUIPMENT PLAN

PROJECT NO.: 2578-02

1/8"=1'-0"

DRAWING NO.:

A142



OUTLETS AND OTHER DEVICES REQUIRING JUNCTION BOXES ON THE INSIDE FACE OF PERMETER WALLS, SHALL HAVE JUNCTION BOXES THAT FIT INTO A 2-1/2" METAL STUD PARTITION

COORDINATE PLUMBING FIXTURE POWER LOCATIONS WITH FINAL SELECTED FIXTURES.

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.

333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	1/28/2025	SED PERMIT AMENDMENT 01
1	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

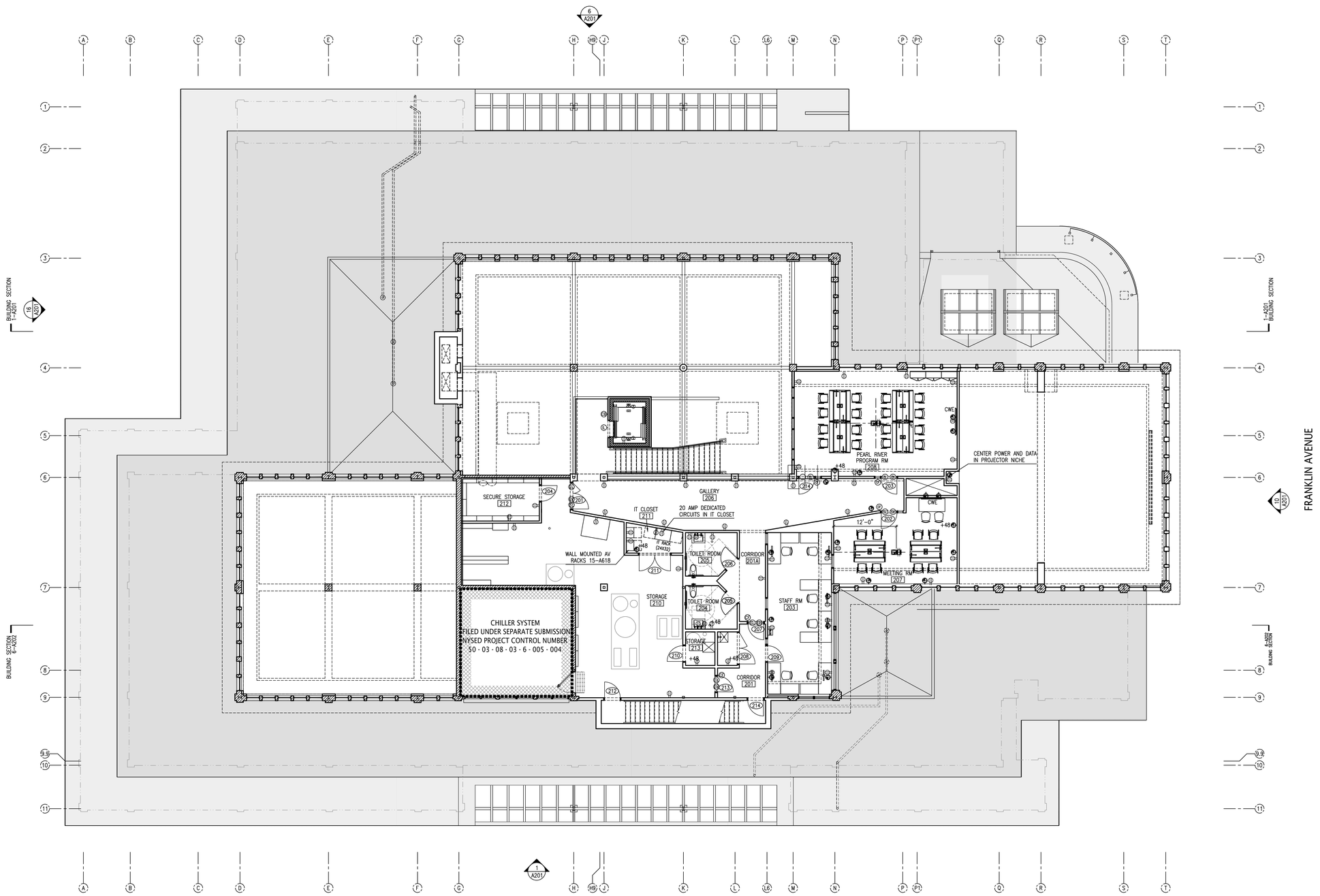
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

FIRST FLOOR POWER AND TELEPHONE LOCATION PLAN

PROJECT NO.: 2578-02 | 1/8"=1'-0"

DRAWING NO.:

A151



OUTLETS AND OTHER DEVICES REQUIRING JUNCTION BOXES ON THE INSIDE FACE OF PERMETER WALLS, SHALL HAVE JUNCTION BOXES THAT FIT INTO A 2–1/2" METAL STUD PARTITION

COORDINATE PLUMBING FIXTURE POWER LOCATIONS WITH FINAL SELECTED FIXTURES.

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT|AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
3	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
2	06-05-2024	ISSUED TO SED FOR PERMIT
1	05-15-2024	95% PROGRESS PRINT
	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

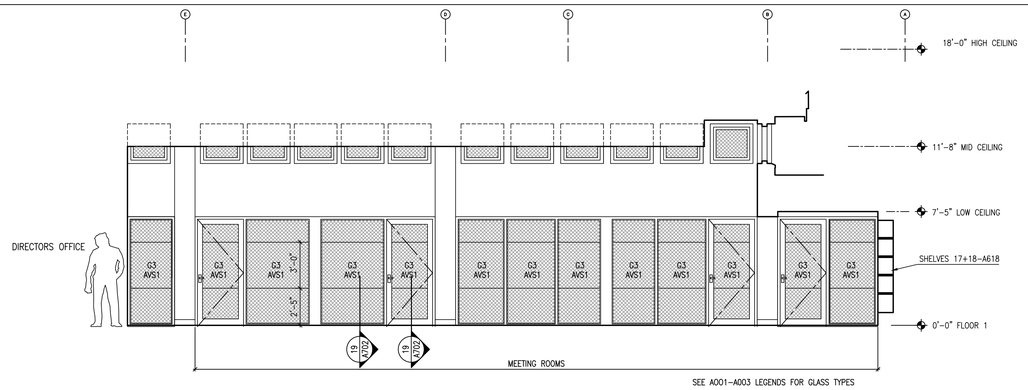
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

SECOND FLOOR POWER AND LOCATION TELEPHONE PLAN

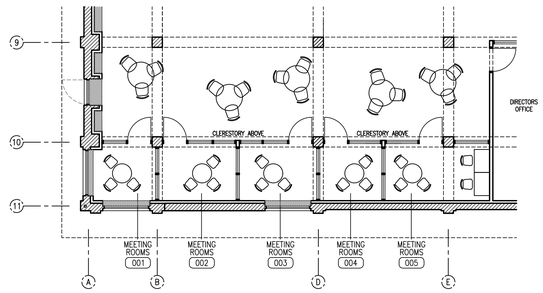
PROJECT NO.: 2578-02 | 1/8"=1'-0"

DRAWING NO.:

A152



1 ELEVATION AT MEETING ROOMS (ALTERNATE 1)
1/4" = 1'-0"

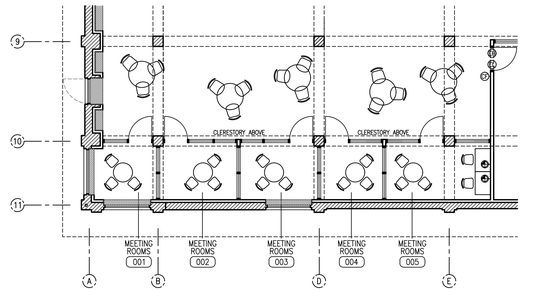


4 ALTERNATE AREA FURNITURE PLAN
1/8" = 1'-0"

6 .

7 .

8 .

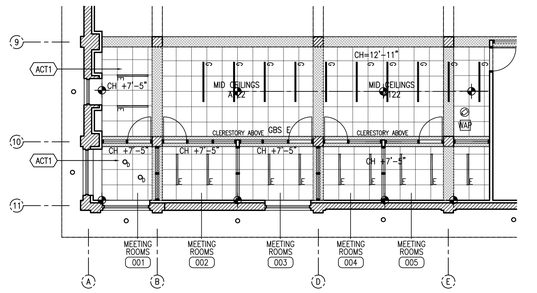


9 ALTERNATE AREA POWER AND TELEPHONE PLAN
1/8" = 1'-0"

11 .

12 .

13 .

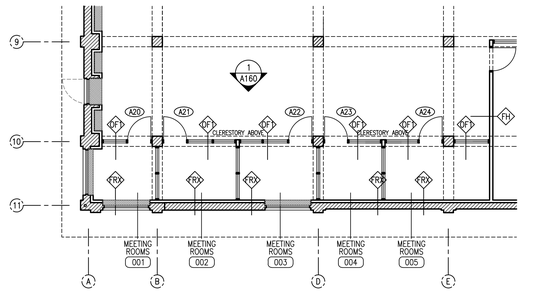


14 ALTERNATE AREA REFLECTED CEILING PLAN
1/8" = 1'-0"

16 .

17 .

18 .



19 ALTERNATE AREA CONSTRUCTION PLAN
1/8" = 1'-0"

one eighth inch = one foot
0 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
1	12-20-2024	NYSED COMMENT REVISIONS
2	1/28/2025	SED PERMIT AMENDMENT 01

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

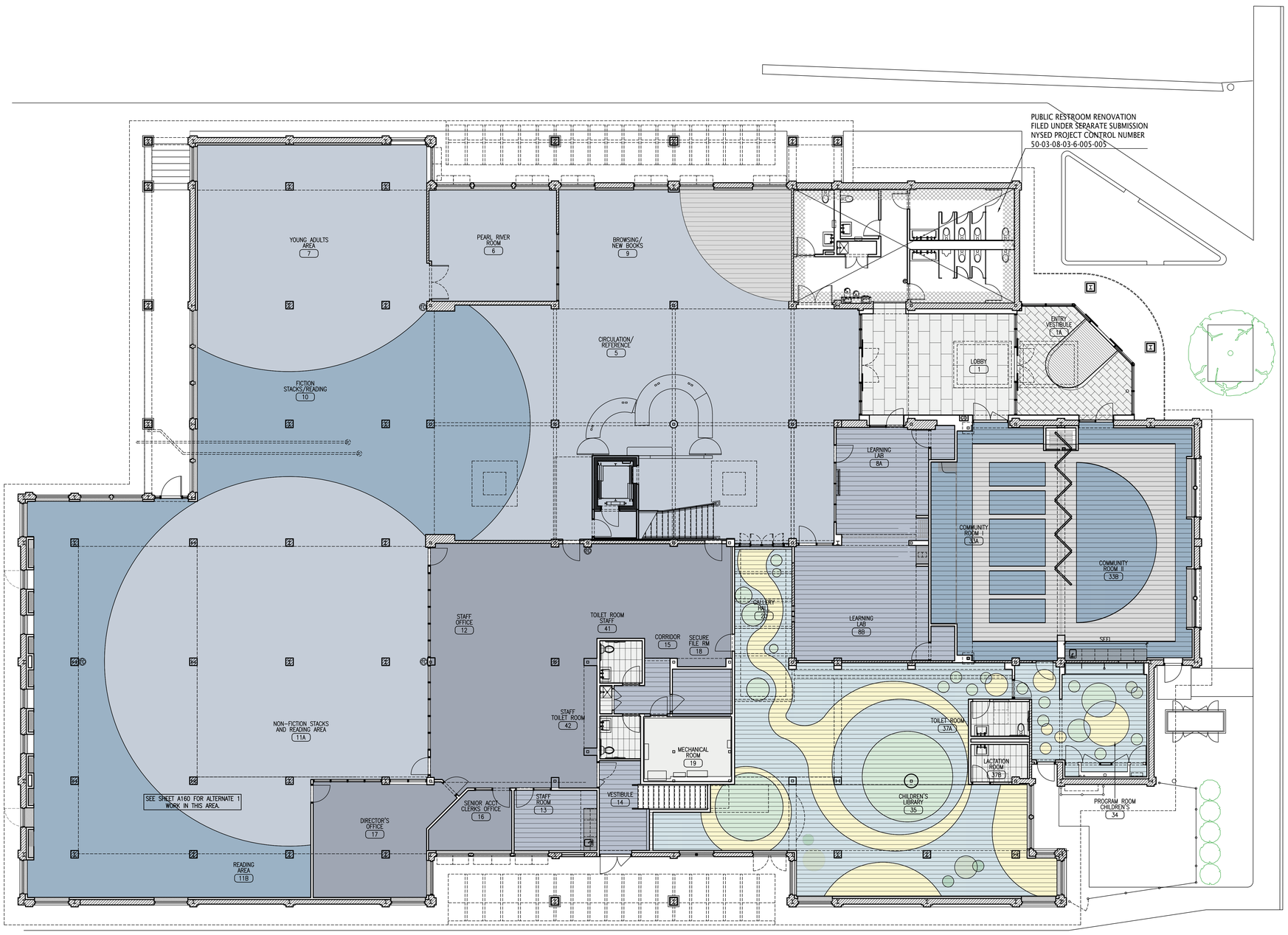
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 1

PROJECT NO.: 2578-02 | 1/8"=1'-0"

DRAWING NO.:

A161



THIS SHEET TO BE PRINTED IN COLOR

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT|AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
3	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
2	05-05-2024	ISSUED TO SED FOR PERMIT
1	05-15-2024	95% PROGRESS PRINT
	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

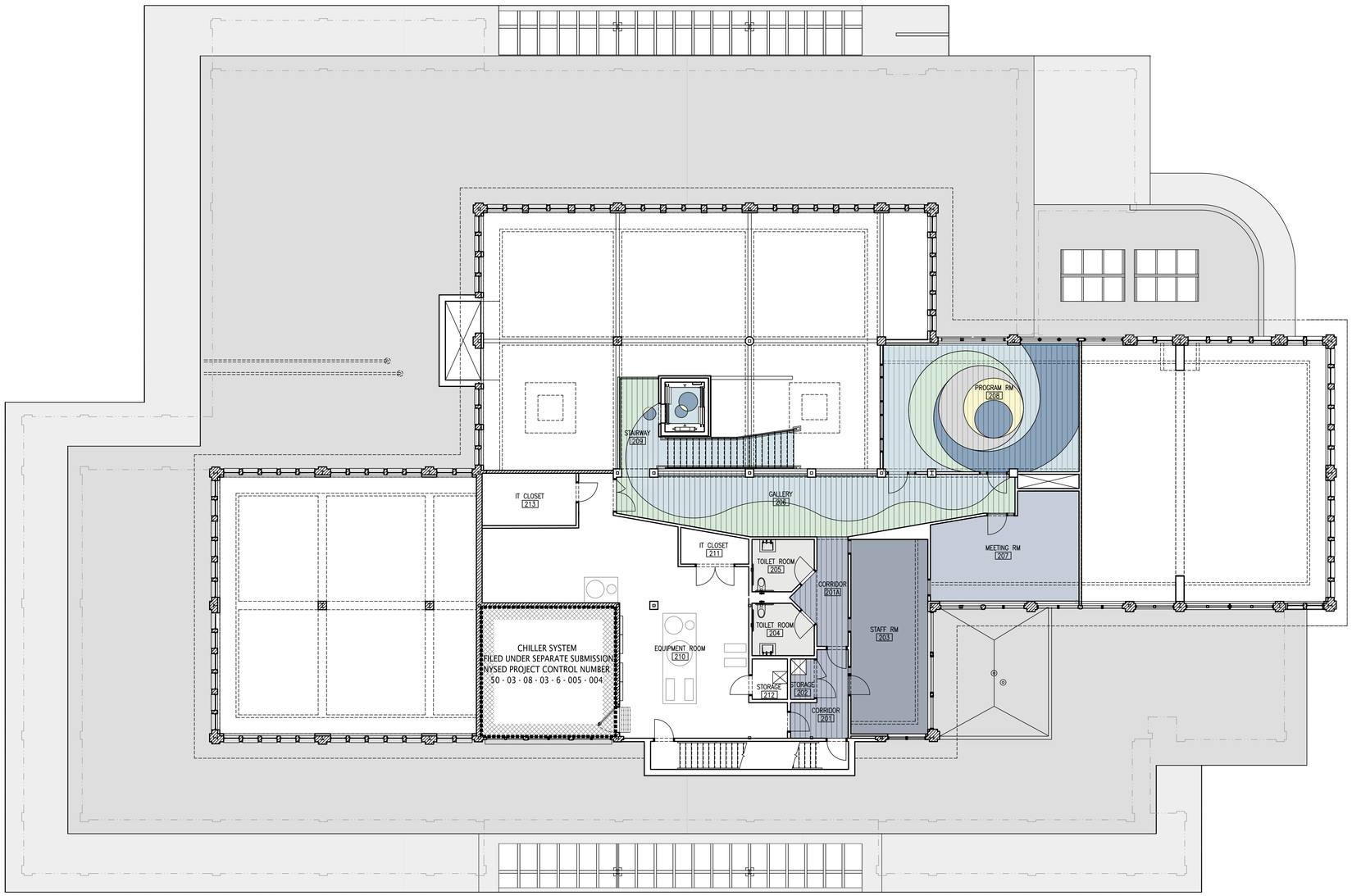
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

FIRST FLOOR FINISH PLAN COLOR DIAGRAM

PROJECT NO.: 2578-02 | 1/8"=1'-0"

DRAWING NO.:

A133



THIS SHEET TO BE PRINTED IN COLOR

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.

333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT|AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

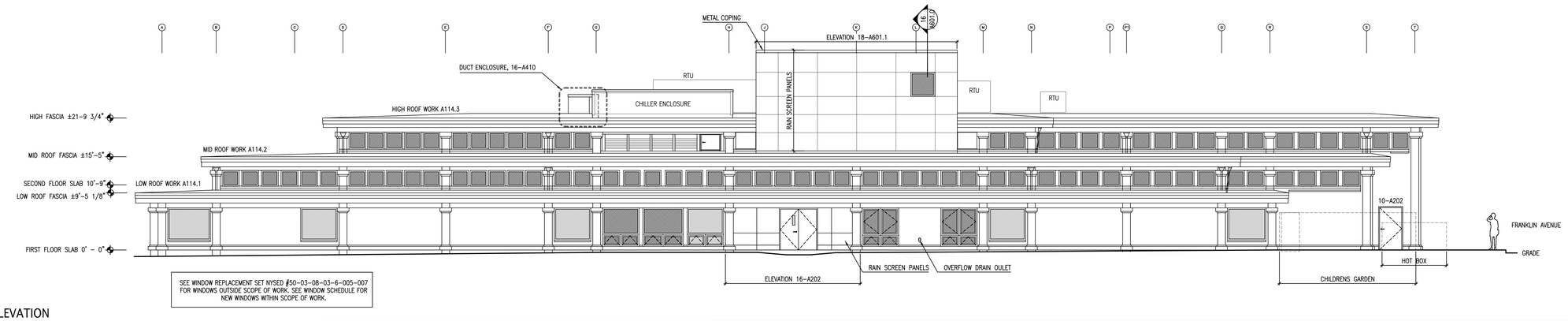
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

SECOND FLOOR FINISH PLAN COLOR DIAGRAM

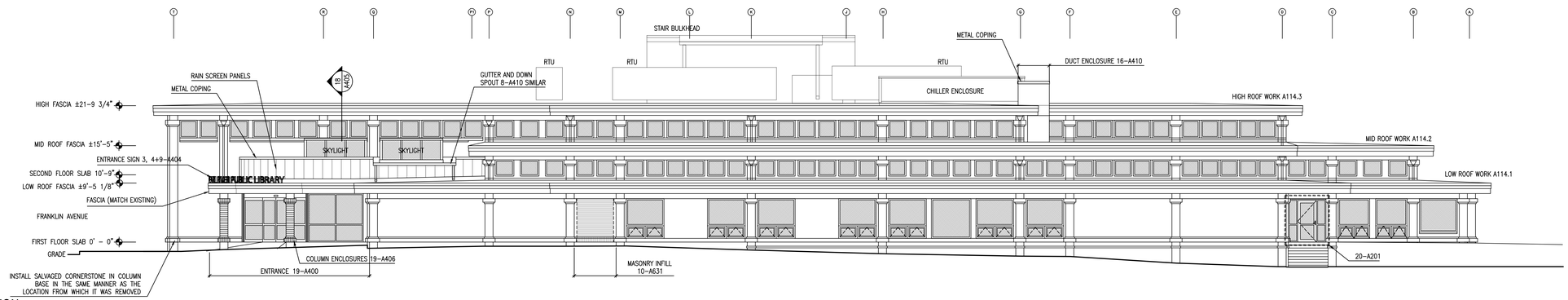
PROJECT NO.: 2578-02 | 1/8"=1'-0"

DRAWING NO.:

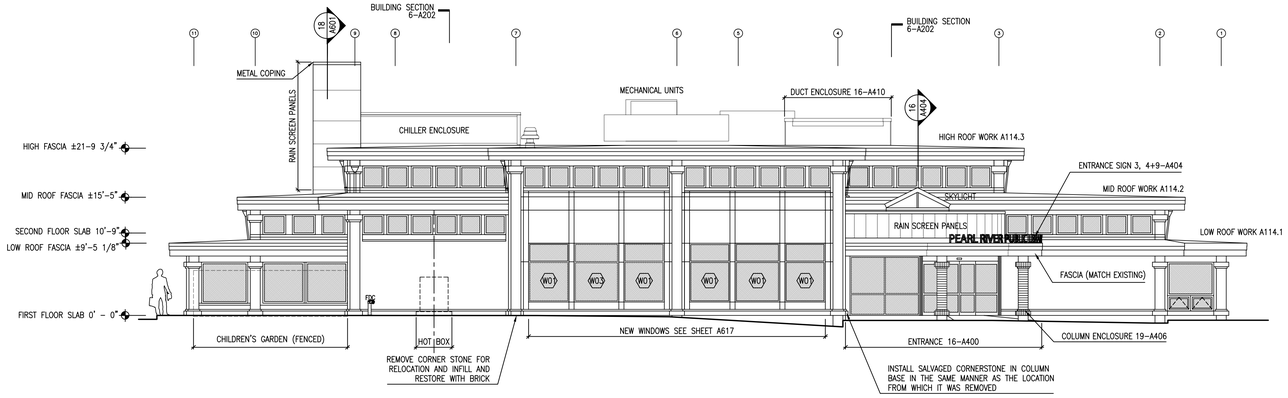
A134



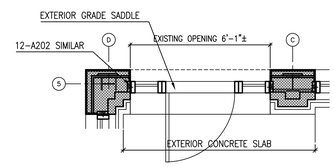
1 EAST ELEVATION
1/8"=1'-0"



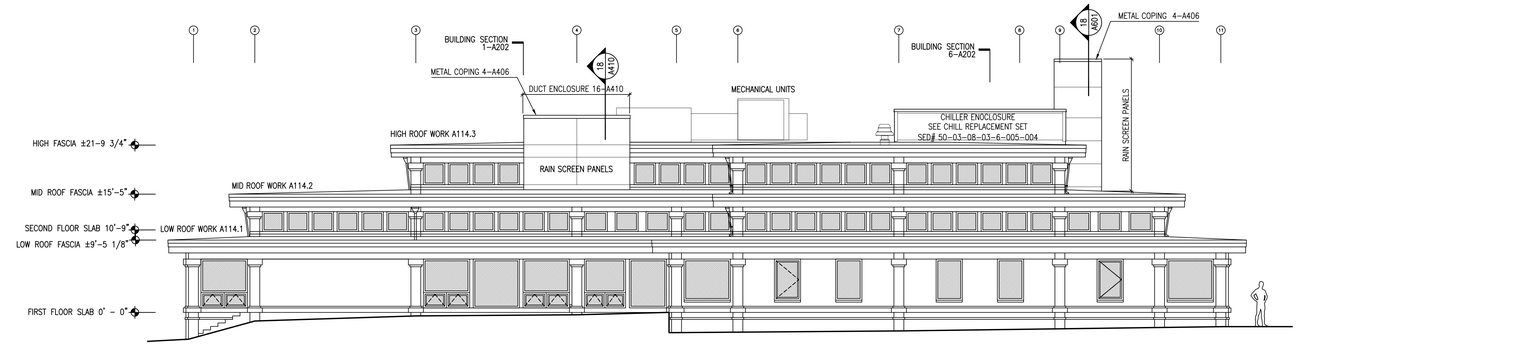
6 WEST ELEVATION
1/8"=1'-0"



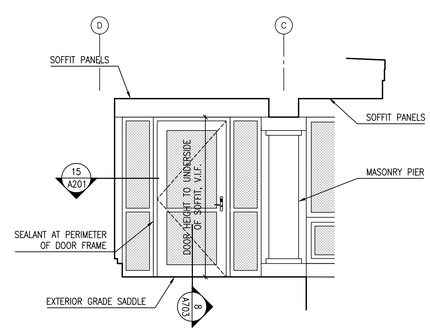
10 NORTH ELEVATION
1/8"=1'-0"



15 ENLARGED ELEVATION (DOOR 114)
3/8"=1'-0"



16 SOUTH ELEVATION
1/8"=1'-0"



20 DOOR ELEVATION (DOOR 114)
3/8"=1'-0"

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
2	1/28/2025	SED PERMIT AMENDMENT 01
1	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY
80 Franklin Ave.
Pearl River, NY 10965

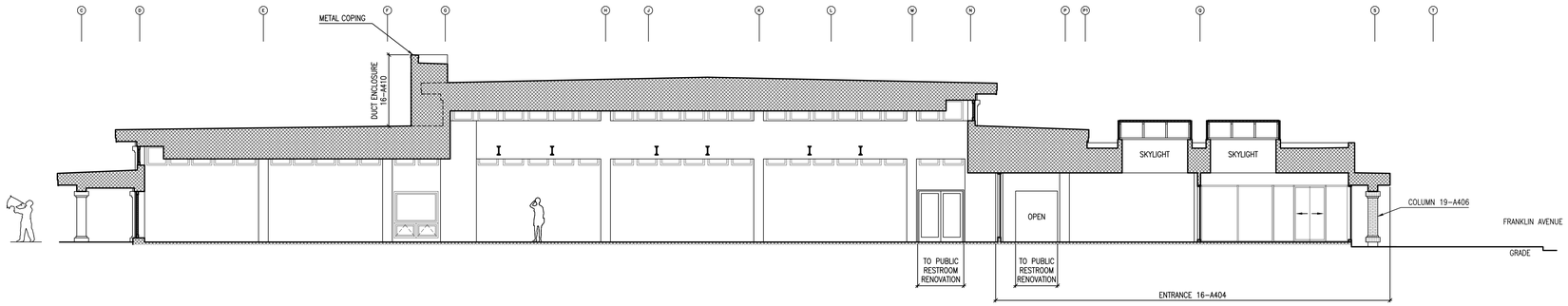
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

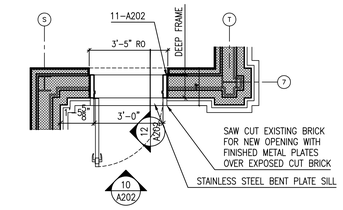
EXTERIOR ELEVATIONS

PROJECT NO.: 2578-02

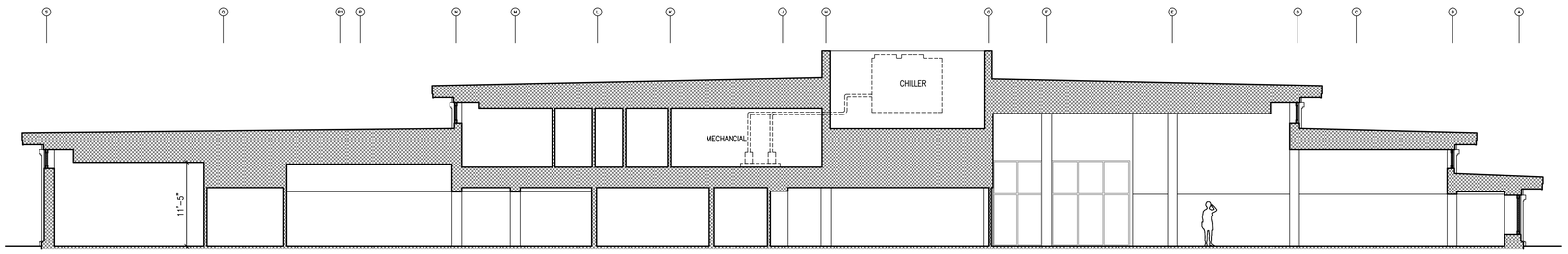
DRAWING NO.:
A201



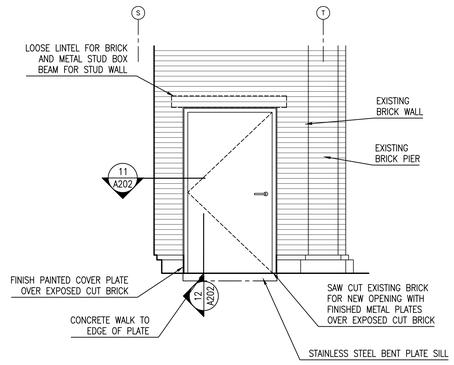
1 BUILDING SECTION BETWEEN COLUMNS 3 & 4 FACING WEST
1/8"=1'-0"



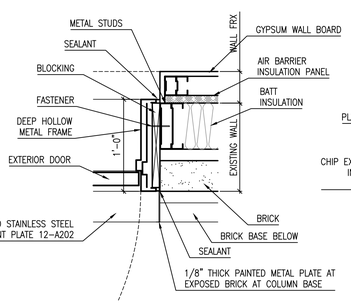
5 ENLARGED PLAN (DOOR 119)
3/8" = 1'-0"



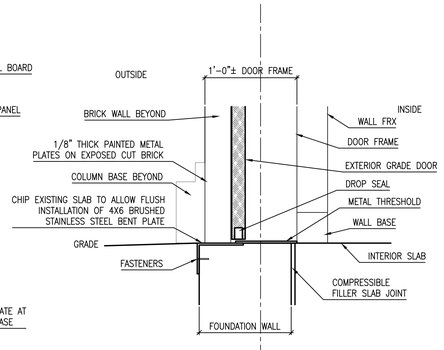
6 REFERENCE SECTION: BETWEEN COLUMNS 7 AND 8 FACING EAST
1/8"=1'-0"



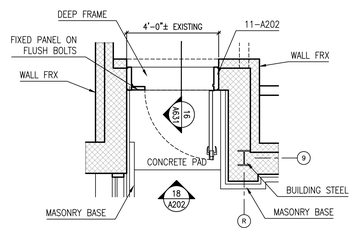
10 PARTIAL EAST ELEVATION (DOOR 119)
3/8" = 1'-0"



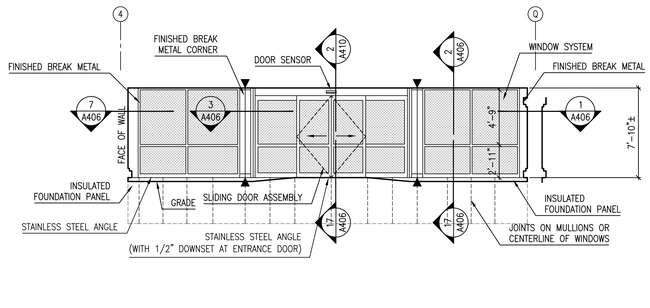
11 DOOR JAMB SECTION
1-1/2" = 1'-0"



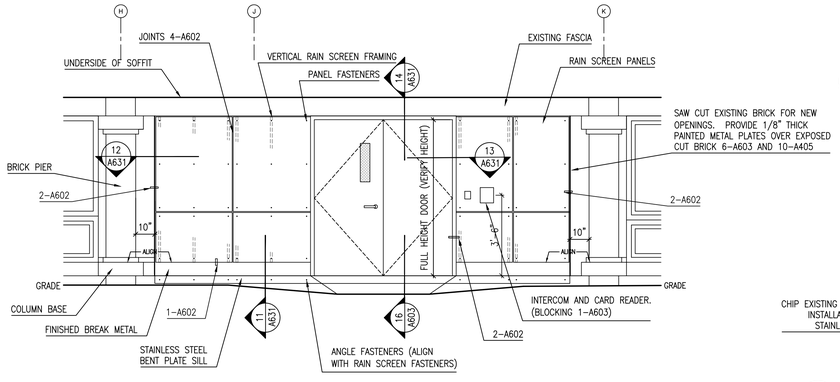
12 DOOR SILL SECTION
1-1/2" = 1'-0"



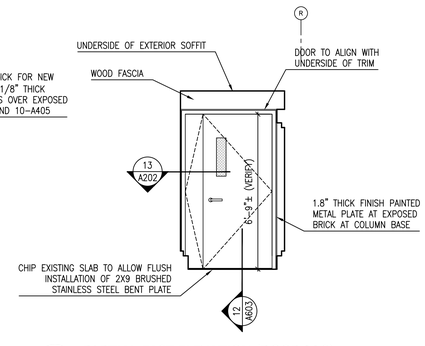
13 ENLARGED PLAN (DOOR 119)
3/8" = 1'-0"



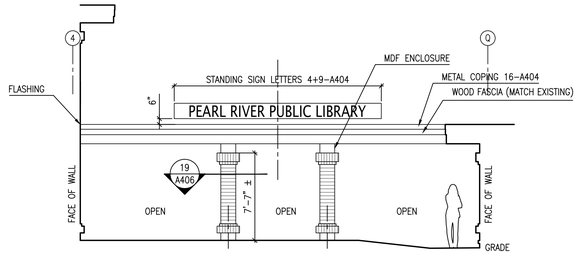
14 ENTRANCE (UNFOLDED) ELEVATION
3/16"=1'-0"



16 PARTIAL EAST ELEVATION
3/8" = 1'-0"



18 PARTIAL EAST ELEVATION (DOOR 119)
3/8" = 1'-0"



20 ENTRANCE (UNFOLDED) ELEVATION - CURTAIN WALL
3/16"=1'-0"

one eighth inch = one foot 1/8 1/4 1/2 1 2 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
1	12-20-2024	NYSED COMMENT REVISIONS
2	1/28/2025	SED PERMIT AMENDMENT 01

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

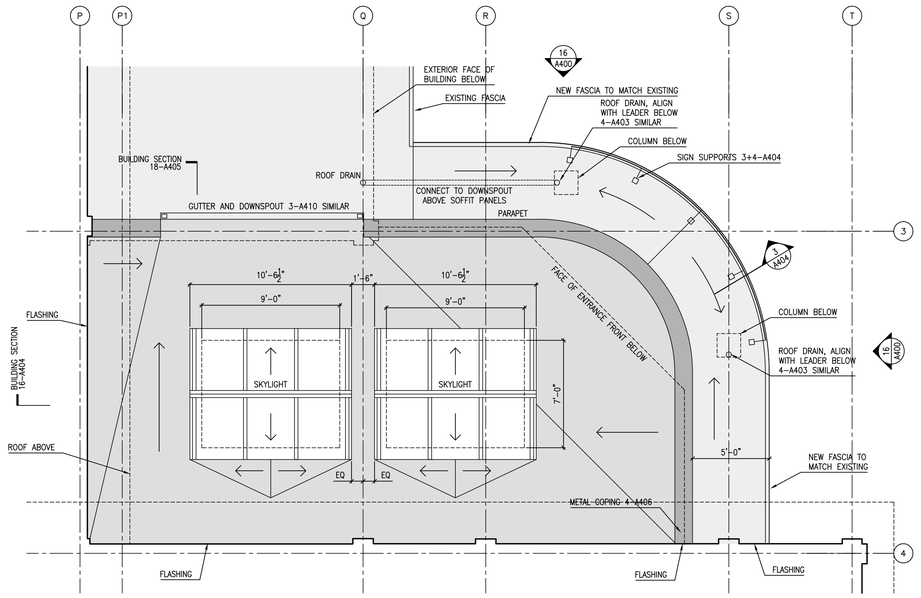
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

BUILDING SECTIONS AND DETAILS

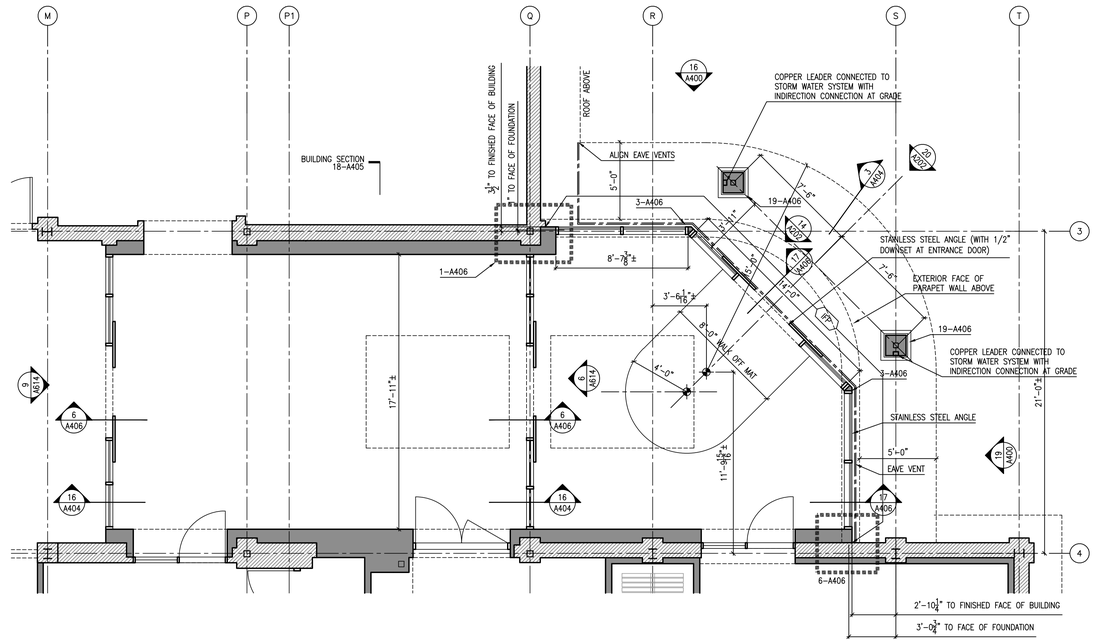
PROJECT NO.: 2578-02

DRAWING NO.:

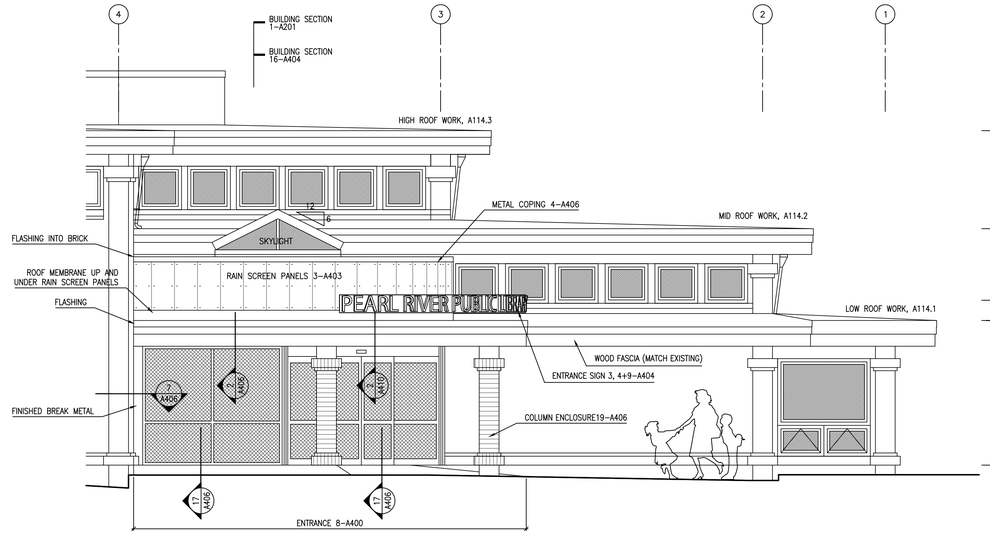
A202



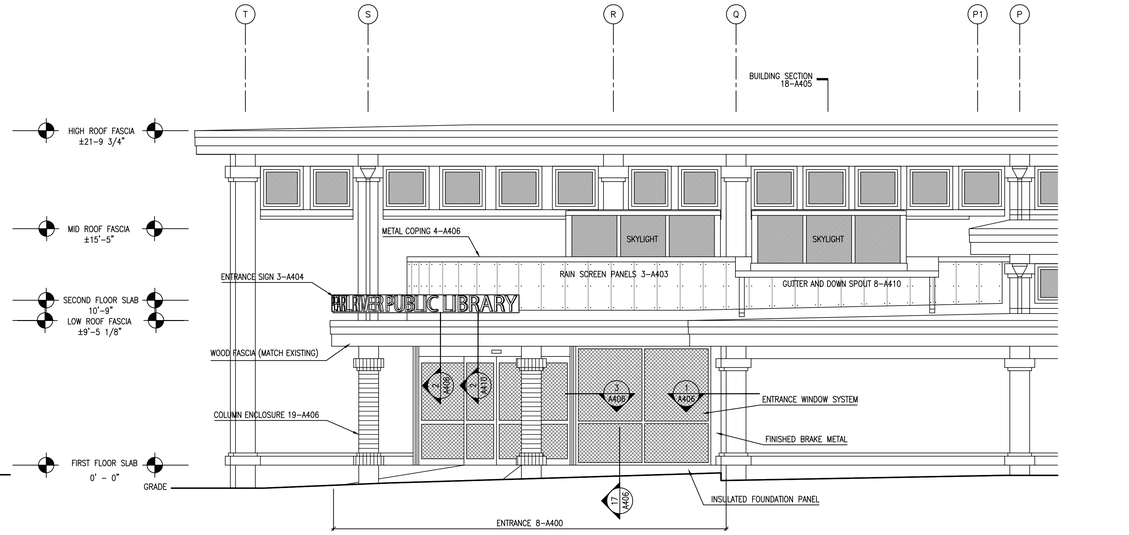
6 PARTIAL ROOF PLAN (AT ENTRANCE)
1/4" = 1'-0"



8 PARTIAL PLAN (AT ENTRANCE)
1/4" = 1'-0"



16 PARTIAL NORTH ELEVATION AT VESTIBULE AND LOBBY
1/4" = 1'-0"



19 PARTIAL FIRST FLOOR PLAN AT VESTIBULE AND LOBBY
1/4" = 1'-0"

one eighth inch = one foot 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
1	12-20-2024	NYSED COMMENT REVISIONS
2	1/28/2025	SED PERMIT AMENDMENT 01

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

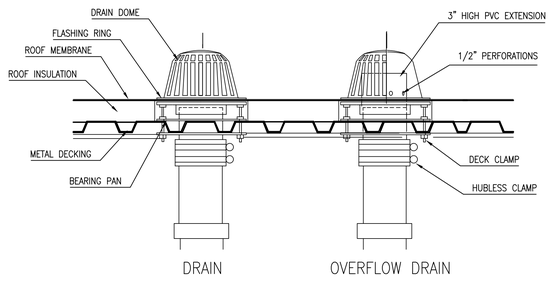
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

VESTIBULE AND LOBBY PLANS AND ELEVATIONS

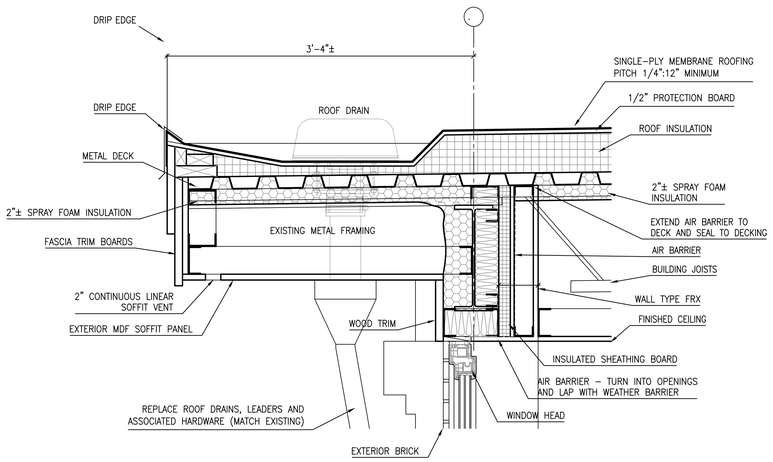
PROJECT NO.: 2578-02

DRAWING NO.:

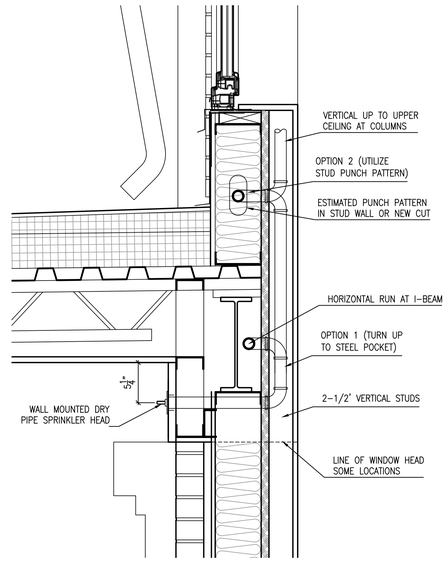
A400



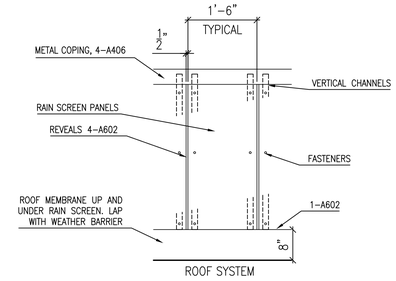
1 ROOF DRAINS
1-1/2" = 1'-0"



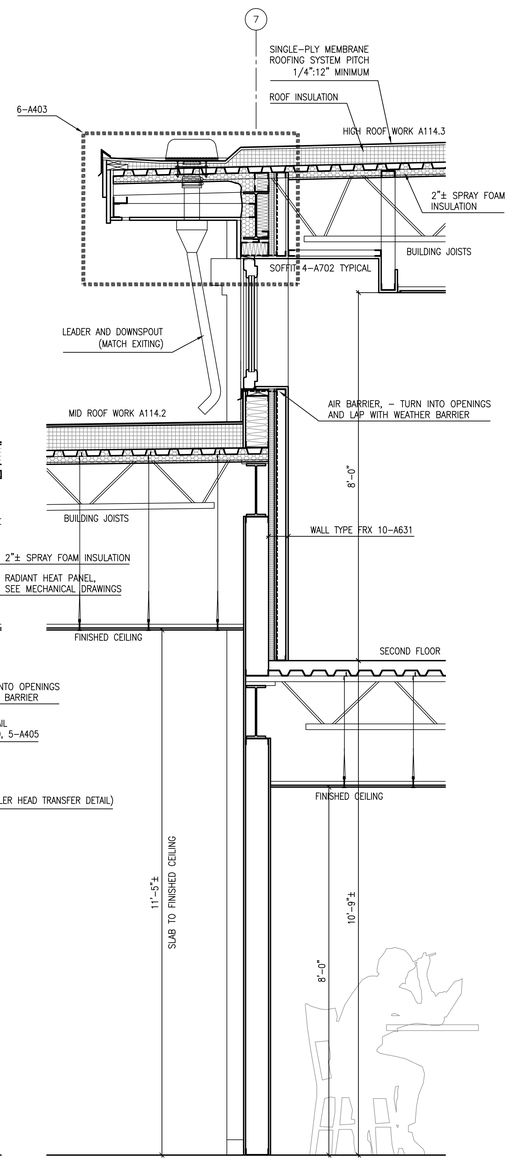
6 TYPICAL ROOF DRAIN
1-1/2" = 1'-0"

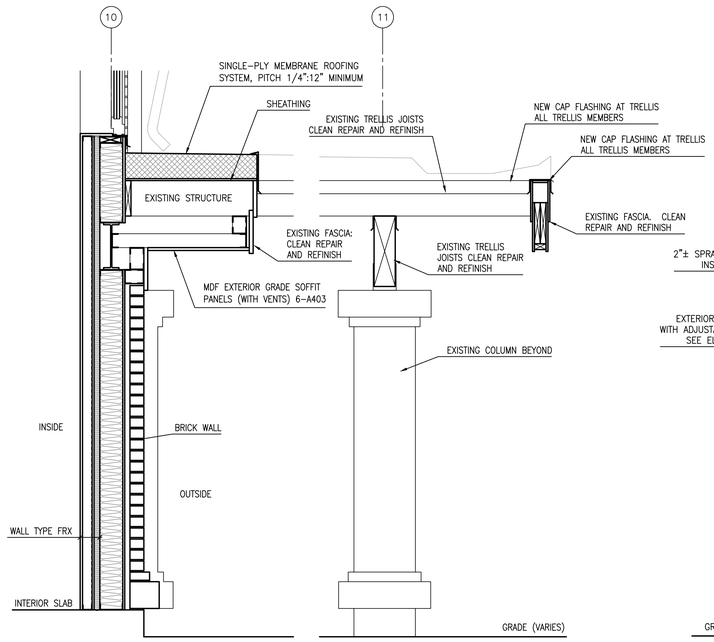


8 SPRINKLER HEAD TRANSFER DETAIL
1/2" = 1'-0"



5 TRESPA PANELS AT ENTRANCE
1/2"=1'-0"





16 TYPICAL ROOF AT TRELLIS
3/4" = 1'-0"

17 WALL SECTION BETWEEN COLUMN P1 & Q FACING SOUTH
3/4" = 1'-0"

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
2	1/28/2025	SED PERMIT AMENDMENT 01
1	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

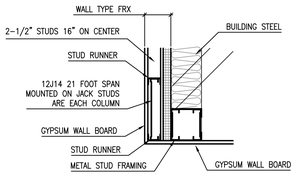
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ELEVATIONS AND DETAILS

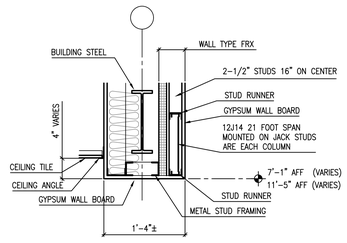
PROJECT NO.: 2578-02

DRAWING NO.:

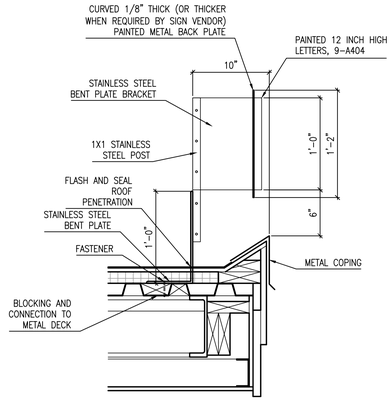
A403



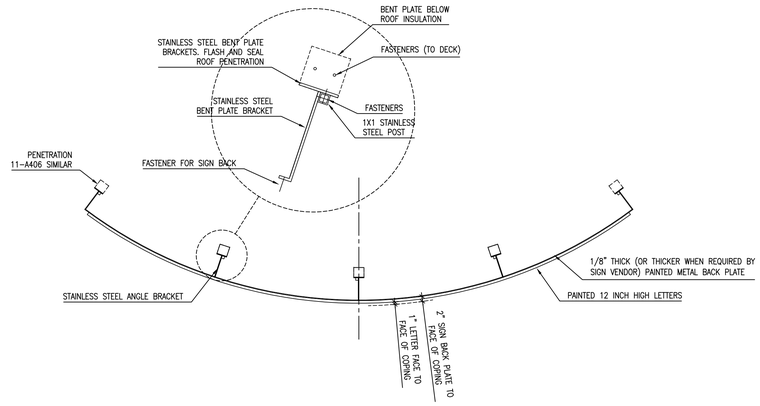
1 SOFFIT (HEADER) AT ENTRANCE
1" = 1'-0"



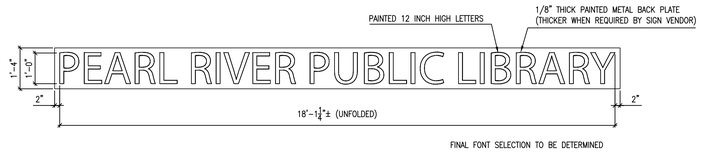
2 SOFFIT (HEADER) GBS FRX
1" = 1'-0"



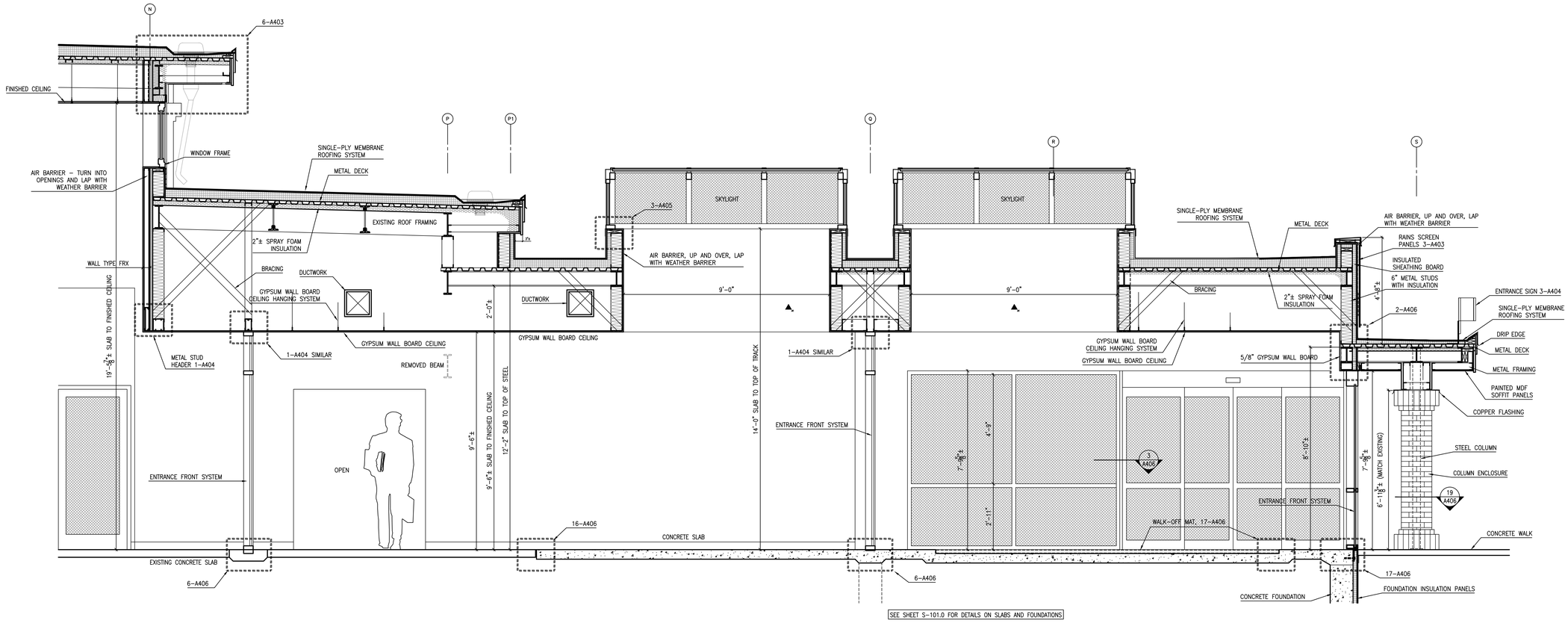
3 LIBRARY ENTRY SIGN SECTION
1-1/2" = 1'-0"



4 ENTRY SIGN PLAN DETAIL
1/2" = 1'-0"



9 LIBRARY ENTRANCE LETTERS
1/2" = 1'-0"



16 WALL SECTION BETWEEN COLUMN 3 & 4 FACING WEST
1/2" = 1'-0"

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
1	12-20-2024	NYSED COMMENT REVISIONS
2	1/28/2025	SED PERMIT AMENDMENT 01

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

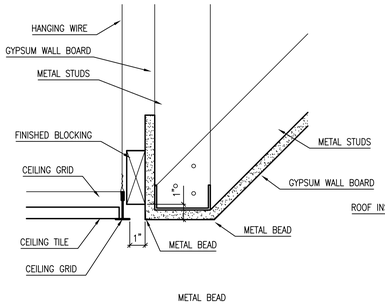
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ELEVATIONS AND DETAILS

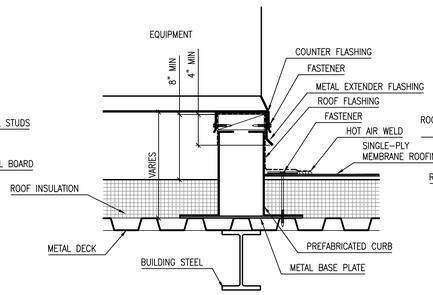
PROJECT NO.: 2578-02

DRAWING NO.:

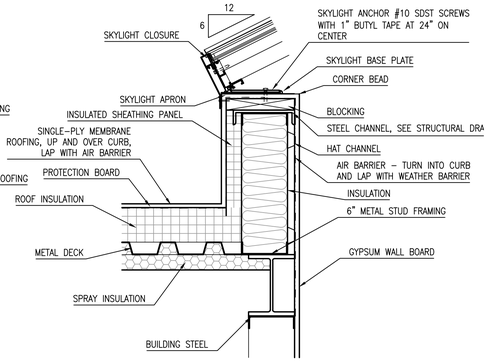
A404



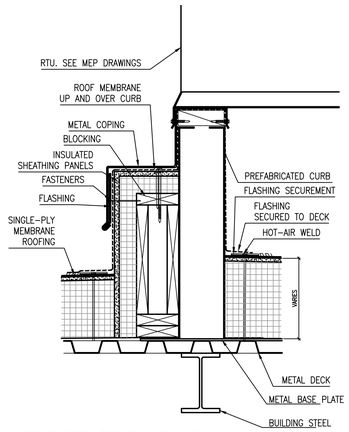
1 CEILING REVEAL DETAIL
3" = 1'-0"



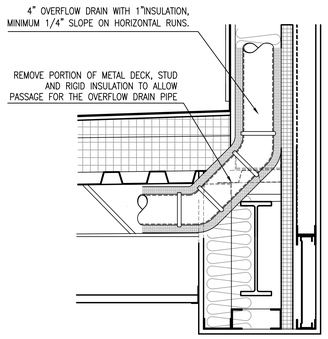
2 RTU ROOF CURB
1-1/2" = 1'-0"



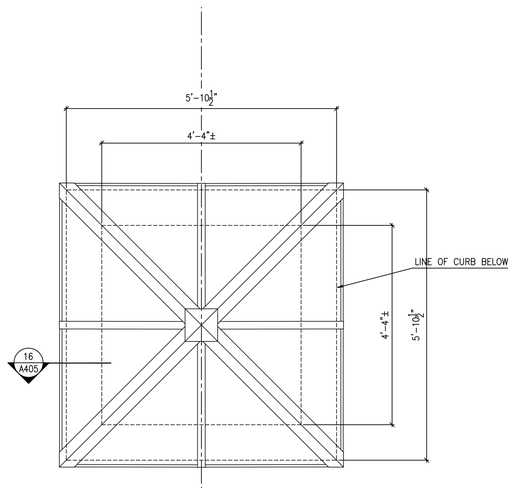
3 TYPICAL SKYLIGHT AT ROOF DETAIL
1-1/2" = 1'-0"



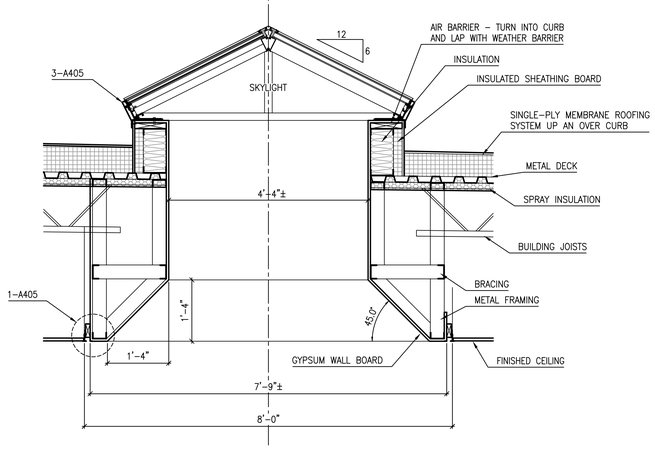
4 INTEGRATED RTU ROOF CURB
1-1/2" = 1'-0"



5 OVERFLOW DRAIN RUN DETAIL
3" = 1'-0"

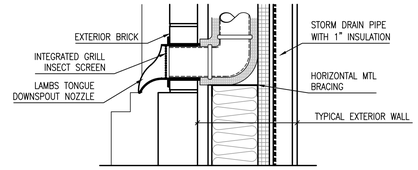


PLAN (AT ROOF)
BASIS OF DESIGN: WASCO PINNACLE 350



SECTION

16 SKYLIGHT DETAIL
3/4" = 1'-0"



10 OVERFLOW ROOF DRAIN AT EXTERIOR WALL
3" = 1'-0"

SEE SHEET S-101.0 FOR DETAILS ON SLABS AND FOUNDATIONS

18 WALL SECTION BETWEEN COLUMNS P1&Q FACING SOUTH
1/2" = 1'-0"

one eighth inch = one foot 1/8 0 1 2 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
2	1/28/2025	SED PERMIT AMENDMENT 01
1	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

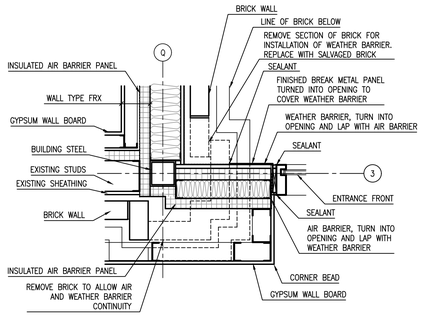
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ELEVATIONS AND DETAILS

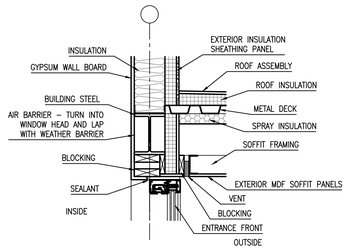
PROJECT NO.: 2578-02

DRAWING NO.:

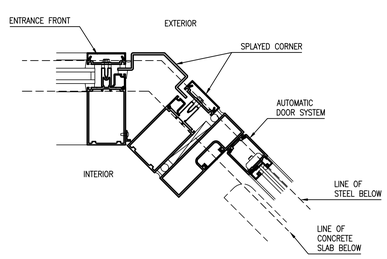
A405



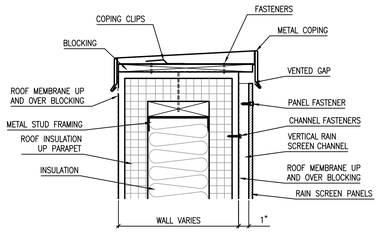
1 ENTRANCE JAMB DETAIL
1" = 1'-0"



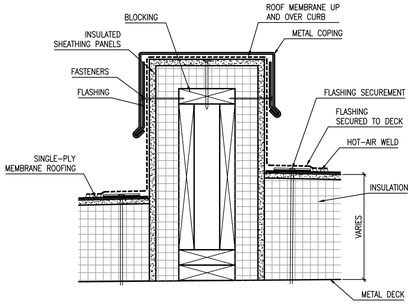
2 ENTRANCE FRONT HEAD DETAIL
1" = 1'-0"



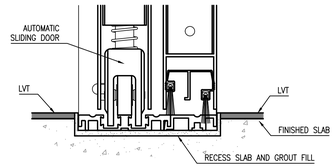
3 ENTRANCE FRONT CORNER DETAIL
3" = 1'-0"



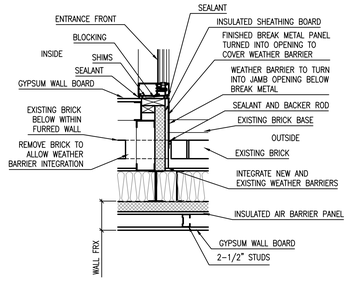
4 PARAPET AT RAIN SCREEN PANEL
2" = 1'-0"



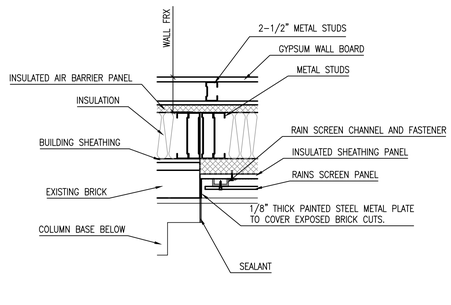
5 ROOF - CURB DETAIL
2" = 1'-0"



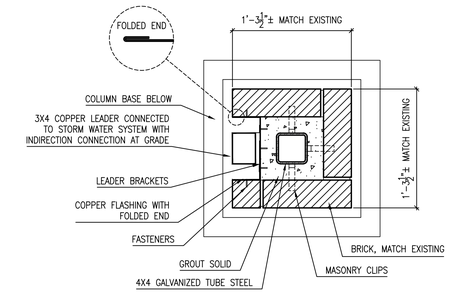
6 INTERIOR SLIDING DOOR THRESHOLD
HALF FULL SCALE

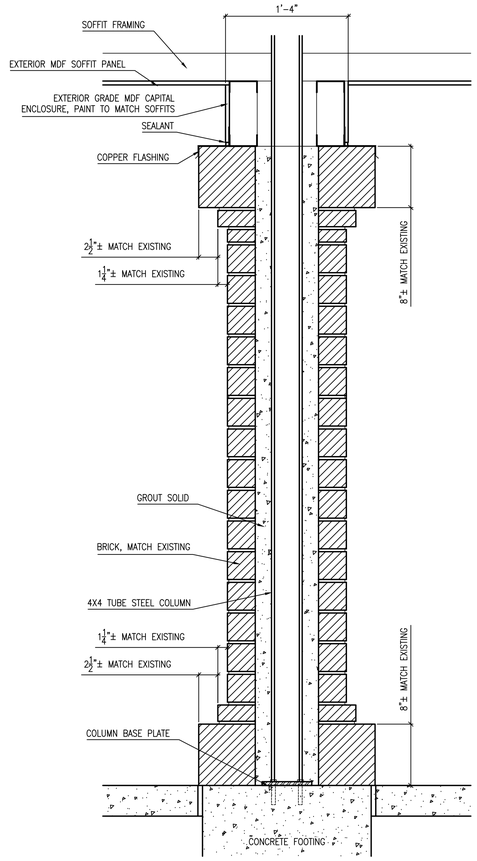


7 ENTRANCE JAMB DETAIL
1" = 1'-0"

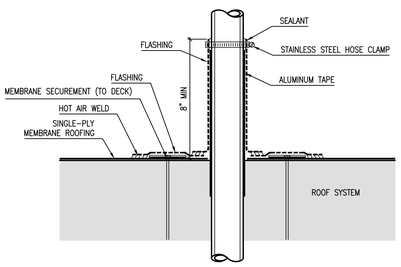


8 RAINS SCREEN PANEL JAMB (STAFF ENTRANCE)
1" = 1'-0"

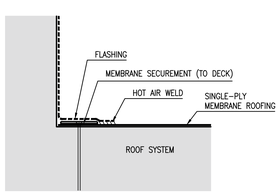




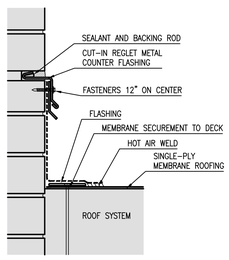
19 COLUMN DETAIL
1-1/2" = 1'-0"



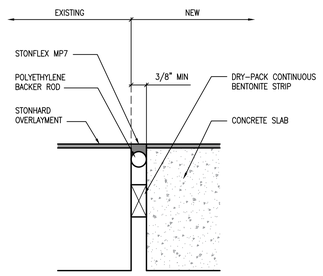
11 ROOF - PIPE PENETRATION DETAIL
2" = 1'-0"



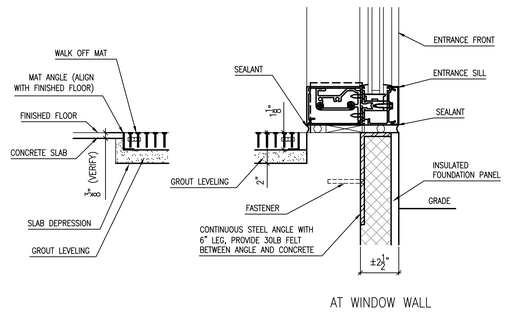
12 ROOF - TYPICAL FLASHING DETAIL
2" = 1'-0"

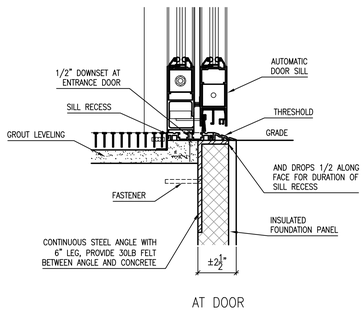


13 ROOF - REGLET FLASHING DETAIL
2" = 1'-0"



16 SLAB JOINT DETAIL
6" = 1'-0"





16 SLAB JOINT DETAIL
6" = 1'-0"

17 WALK-OFF MAT AND ENTRANCE DOOR SILL
3" = 1'-0"

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

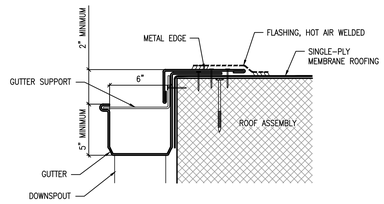
DETAILS

PROJECT NO.: 2578-02

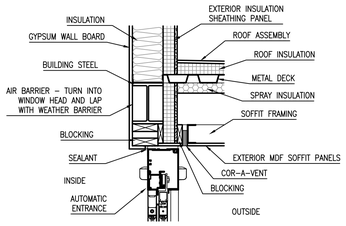
DRAWING NO.:

A406

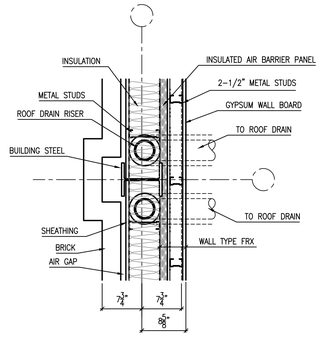
IN PROGRESS



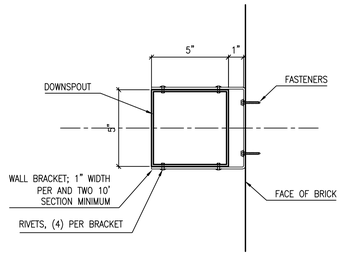
1 GUTTER DETAIL
2" = 1'-0"



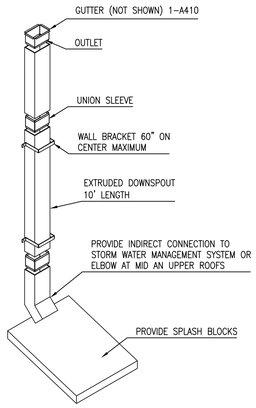
2 ENTRANCE DOOR HEAD DETAIL
1" = 1'-0"



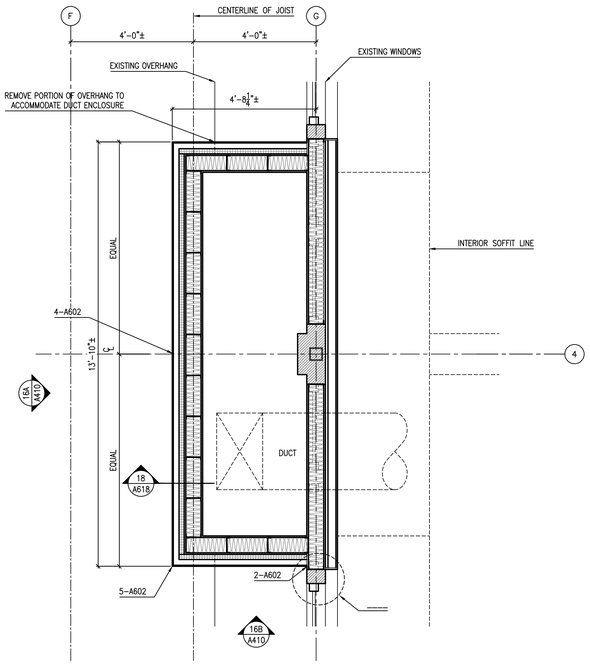
6 ROOF DRAIN PIPE PLAN DETAIL
1" = 1'-0"



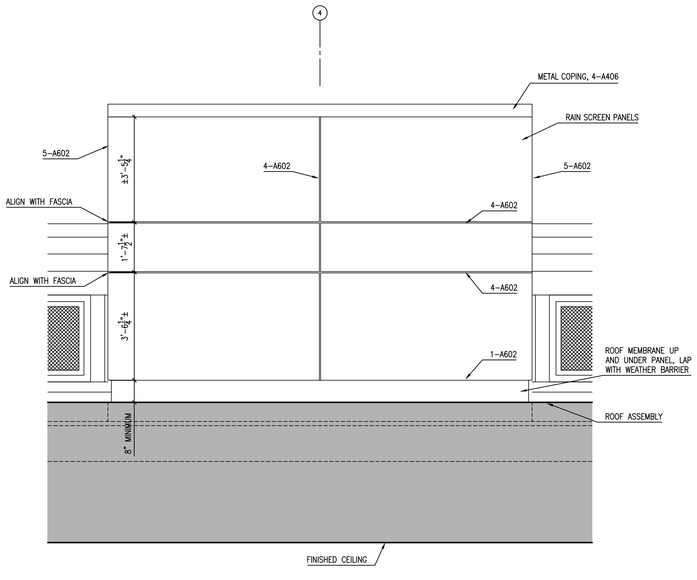
EXTRUDED DOWNSPOUT AND WALL BRACKET



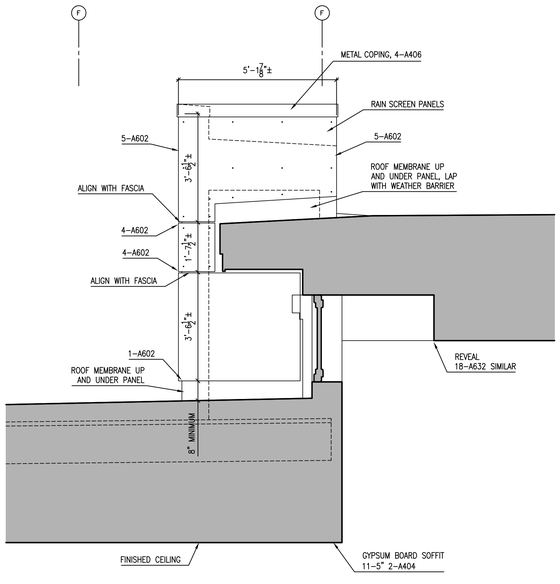
8 GUTTER AND DOWNSPOUT
3" = 1'-0"



6 DUCT ENCLOSURE - PLAN
1/2" = 1'-0"

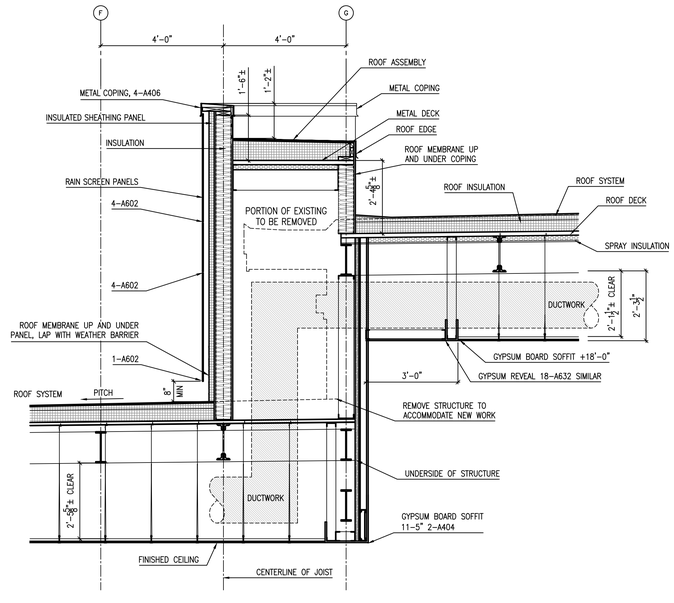


A



B

16 DUCT ENCLOSURE - ELEVATIONS
1/2" = 1'-0"



18 DUCT ENCLOSURE - SECTION
1/2" = 1'-0"

one eighth inch = one foot

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
1	12-20-2024	NYSED COMMENT REVISIONS
2	1/28/2025	SED PERMIT AMENDMENT 01

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

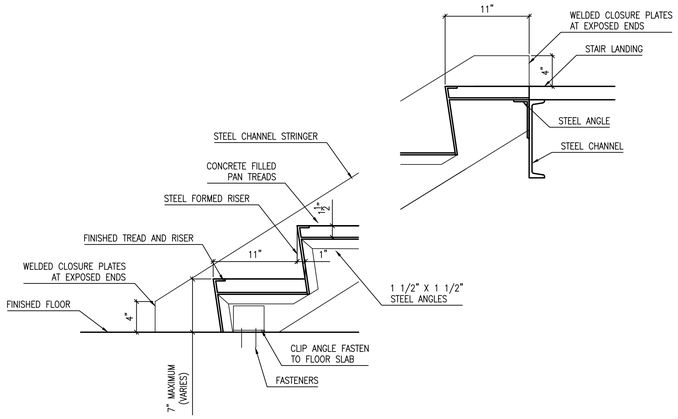
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

DUCT ENCLOSURE

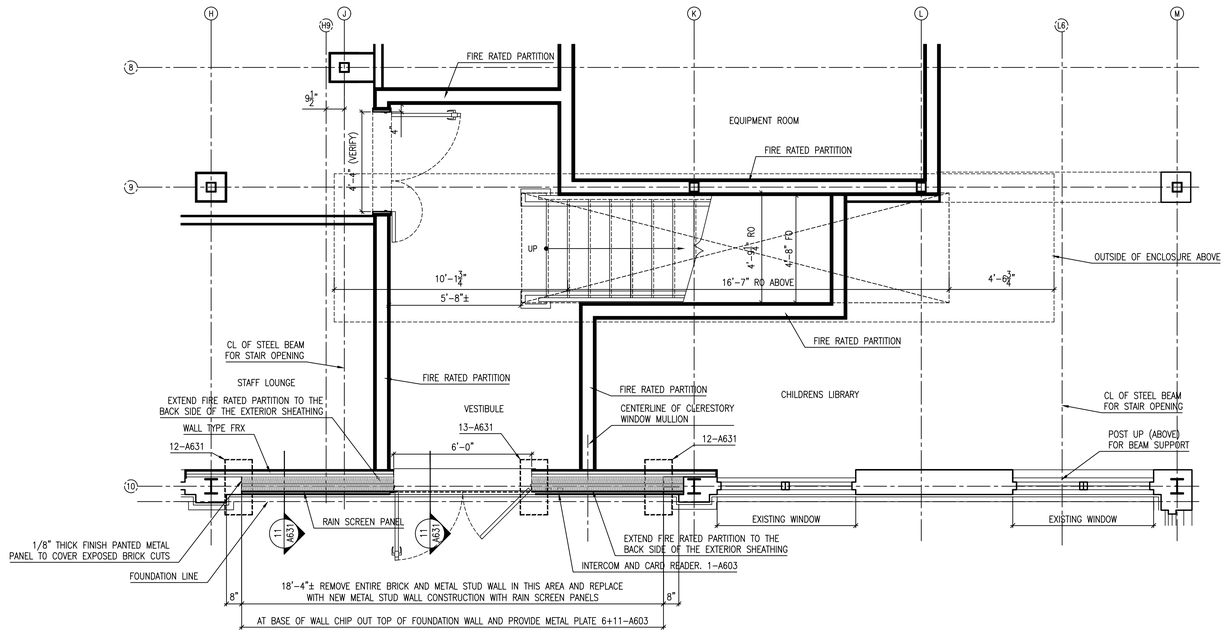
PROJECT NO.: 2578-02

DRAWING NO.:

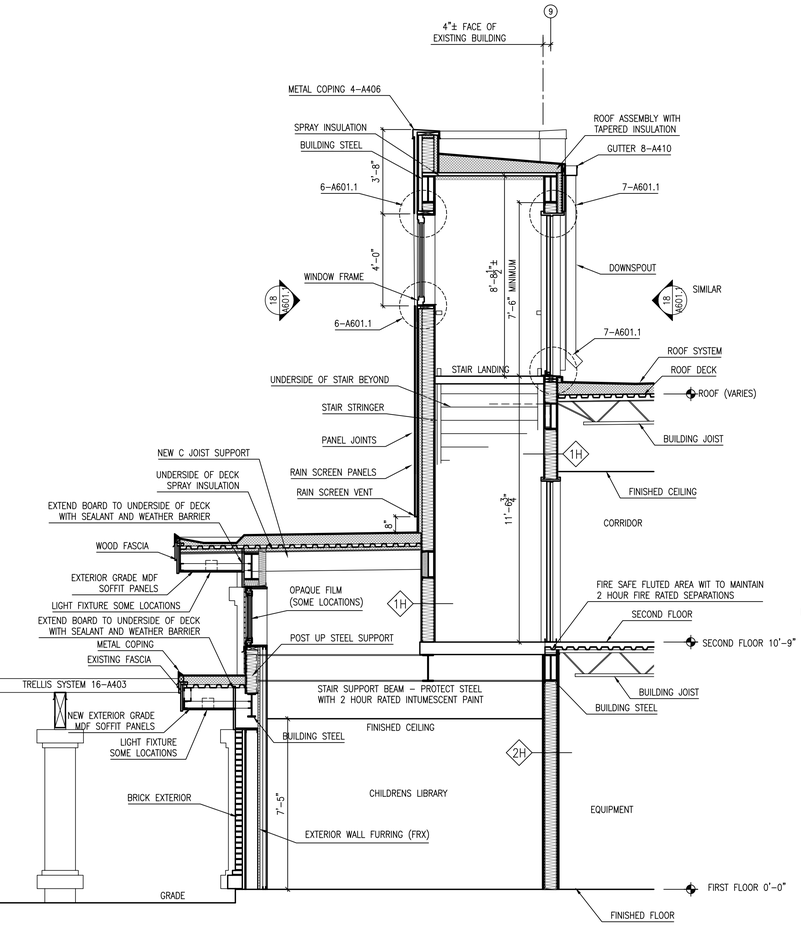
A410



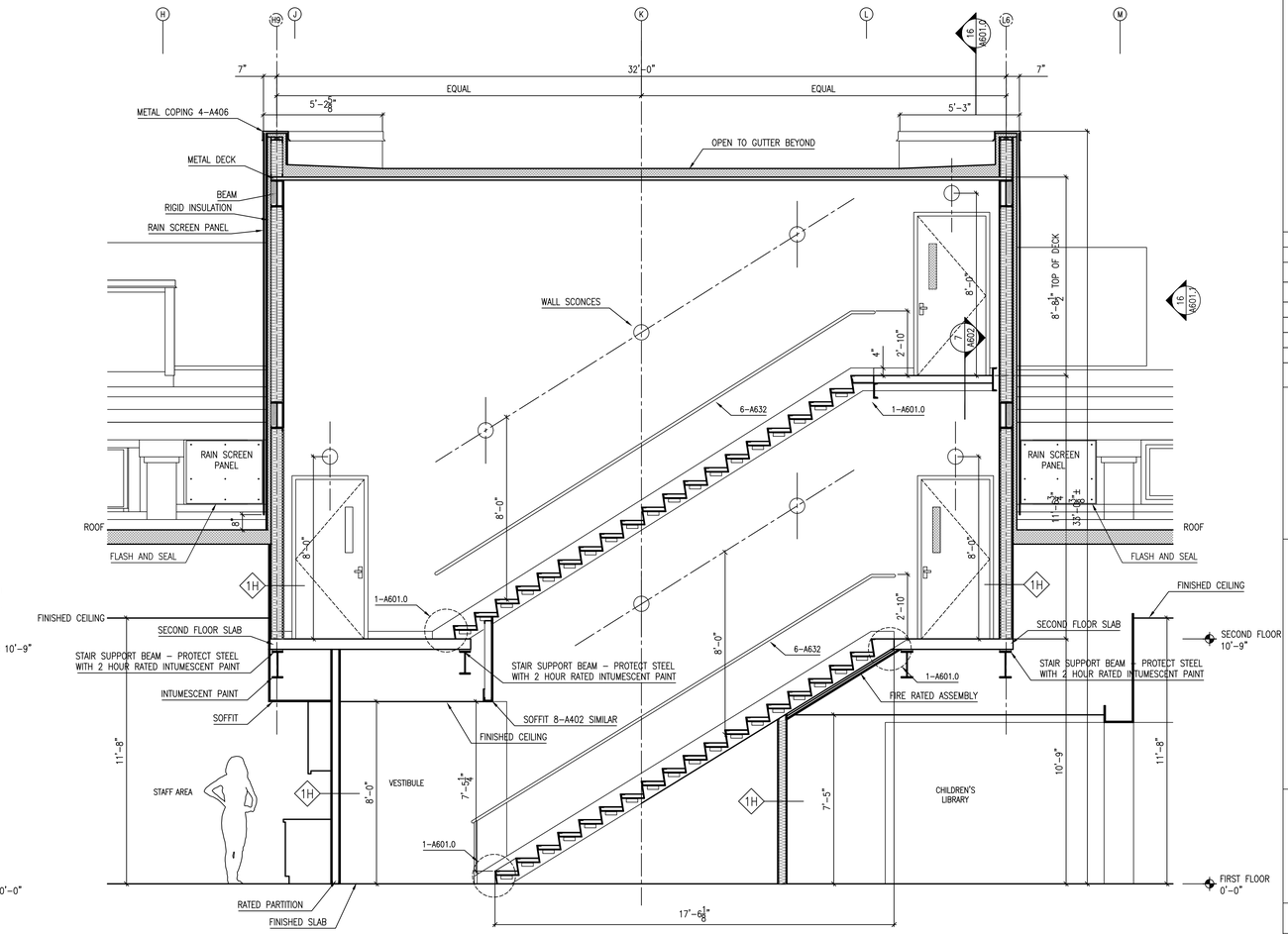
1 STAIR TREAD AND RISER SECTION
1 1/2" = 1'-0"



3 STAIR PLAN DETAIL (FLOOR 01)
3/8" = 1'-0"



16 STAIR SECTION
3/8" = 1'-0"



ENGAGE A QUALIFIED PROFESSIONAL ENGINEER TO DEVELOP SHOP DRAWINGS FOR STAIRS. THE DESIGN PROFESSIONAL SHALL PROVIDE SIGNED AND SEALED SHOP DRAWINGS.

18 STAIR SECTION DETAIL (FLOOR 1)
3/8" = 1'-0"

one eighth inch = one foot 1/8" = 1'-0" 0 1 2 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY
80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

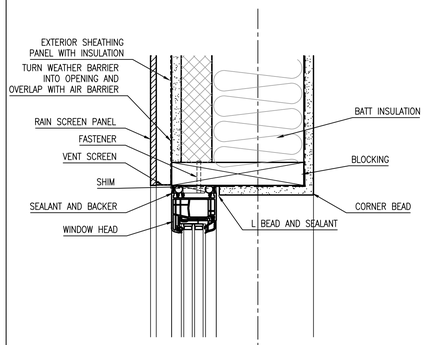
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

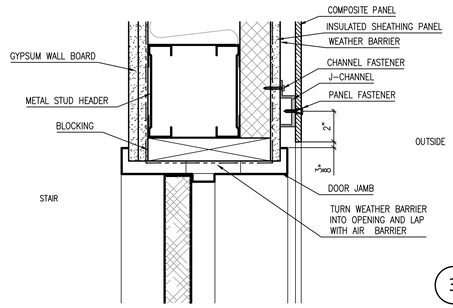
ELEVATIONS AND DETAILS

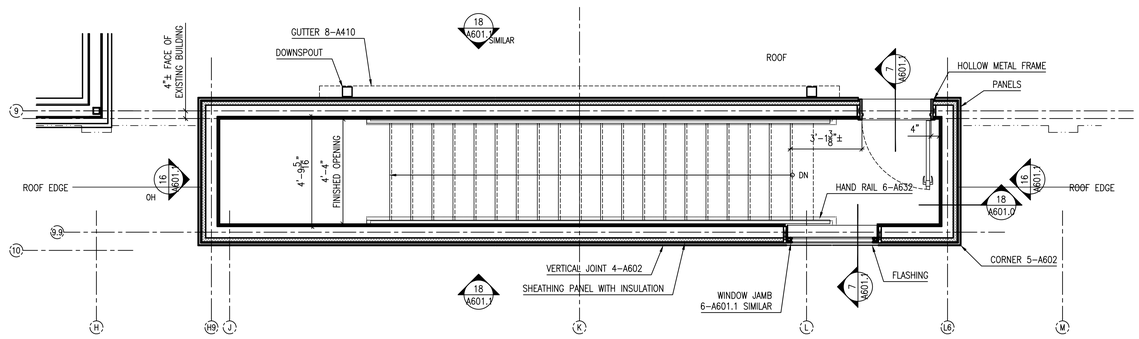
PROJECT NO.: 2578-02

DRAWING NO.:

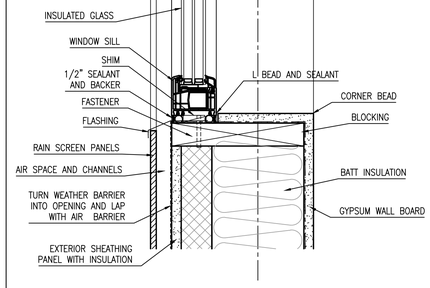
A601.0



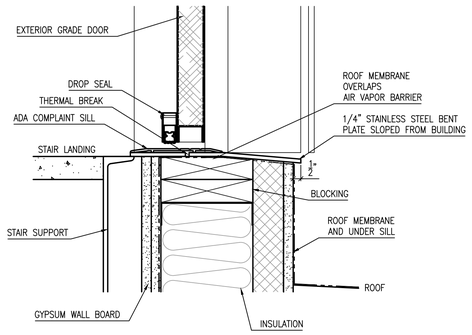




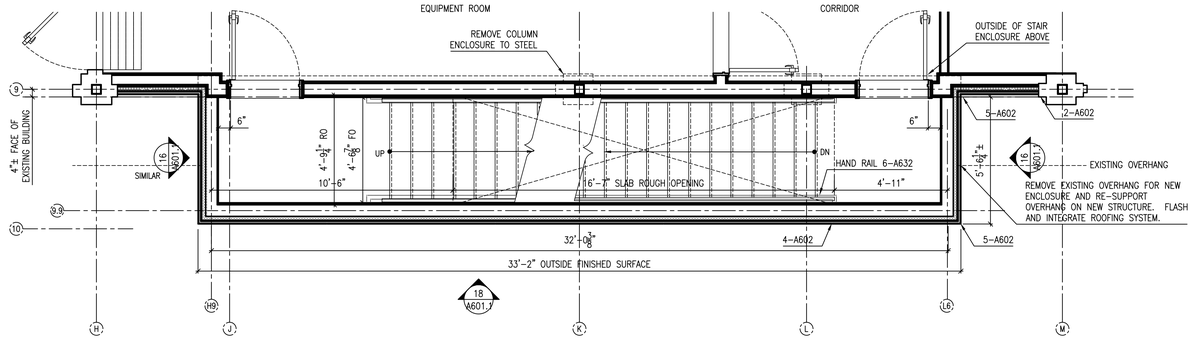
3 STAIR PLAN DETAIL (ROOF)
3/8" = 1'-0"



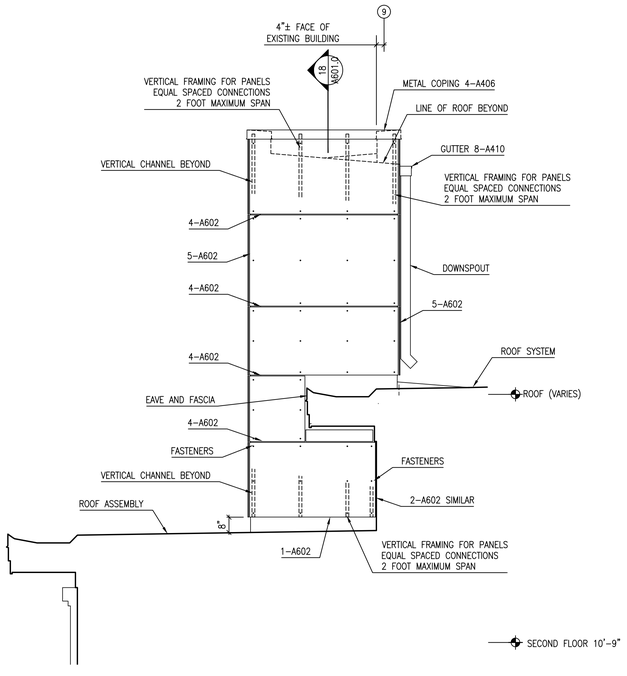
6 WINDOW HEAD AND SILL
3" = 1'-0"



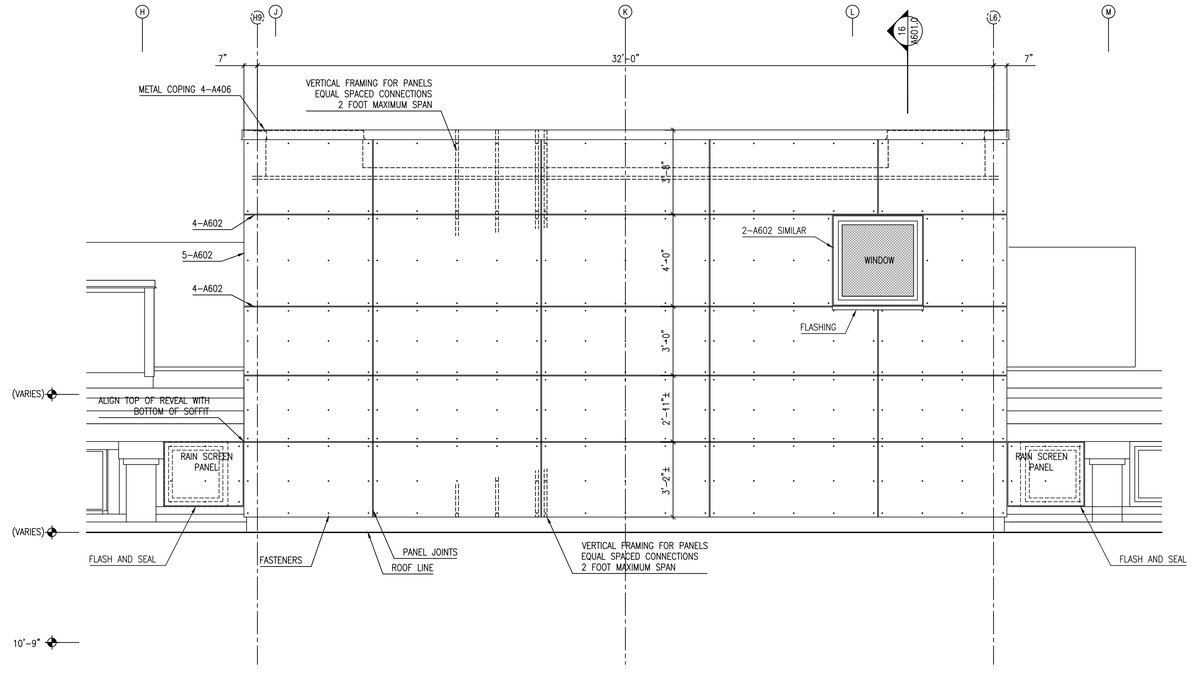
7 DOOR HEAD AND SILL
3" = 1'-0"



8 STAIR PLAN DETAIL (SECOND FLOOR)
3/8" = 1'-0"



16 STAIR SECTION | ELEVATION
3/8" = 1'-0"



18 STAIR SECTION | ELEVATION
3/8" = 1'-0"

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
3	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
2	06-05-2024	ISSUED TO SED FOR PERMIT
1	05-15-2024	95% PROGRESS PRINT
	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

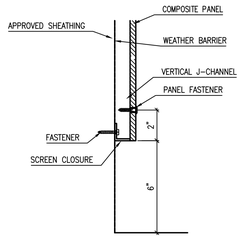
ELEVATIONS AND DETAILS

PROJECT NO.: 2578-02

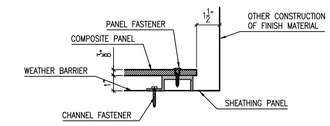
DRAWING NO.:

A601.1

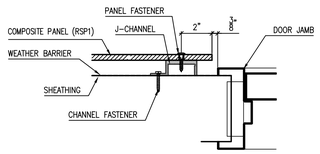
one eighth inch = one foot
0 1 2 4 8 16



1 BOTTOM PANEL SCREEN TRIM
3" = 1'-0"



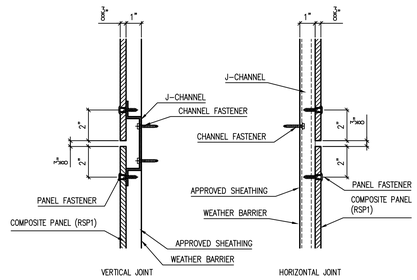
RAIN SCREEN TO WALL



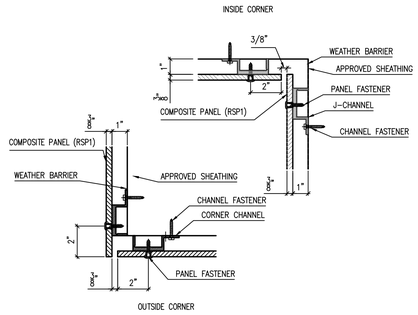
RAIN SCREEN TO JAMB

2 PANEL TRANSITION (TO OTHER MATERIALS)
3" = 1'-0"

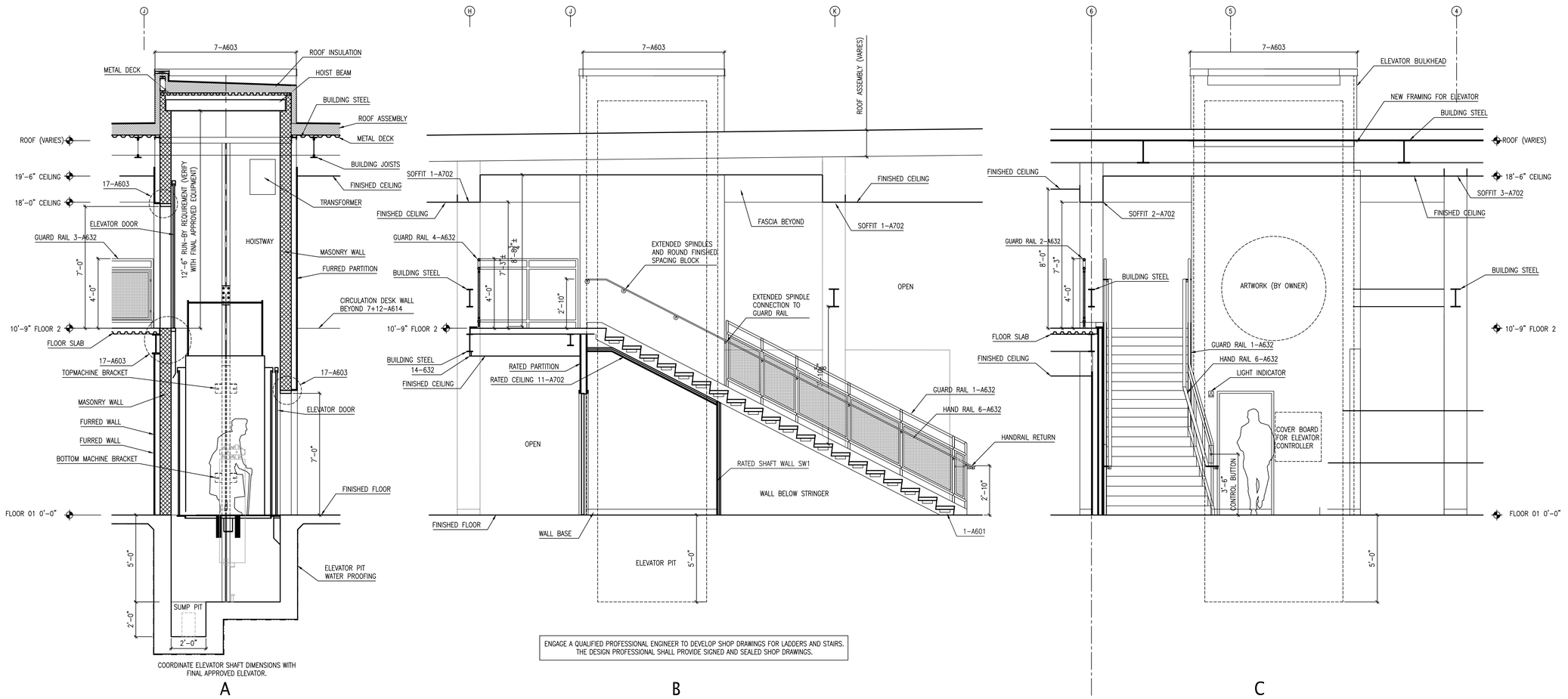
3



4 PANEL JOINT DETAILS
3" = 1'-0"



5 PANEL CORNER DETAILS
3" = 1'-0"



16 STAIR|ELEVATOR SECTIONS
3/8" = 1'-0"

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT|AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	1/28/2025	SED PERMIT AMENDMENT 01
1	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

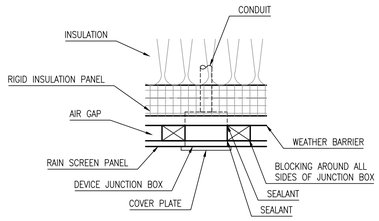
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ELEVATIONS AND DETAILS

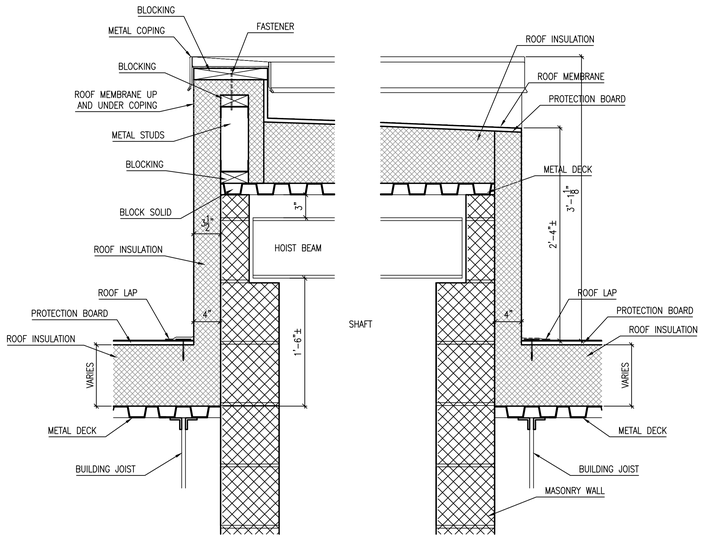
PROJECT NO.: 2578-02

DRAWING NO.:

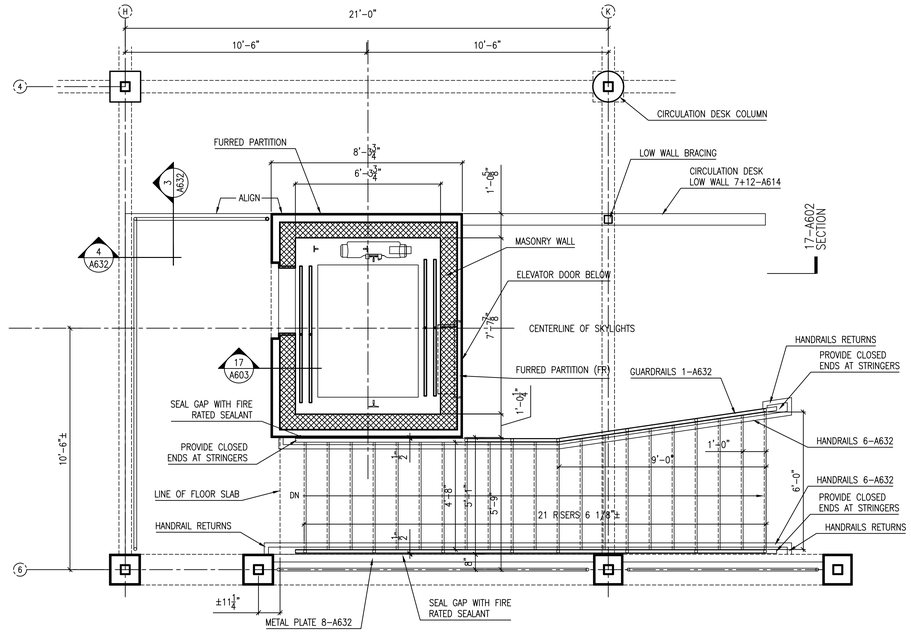
A602



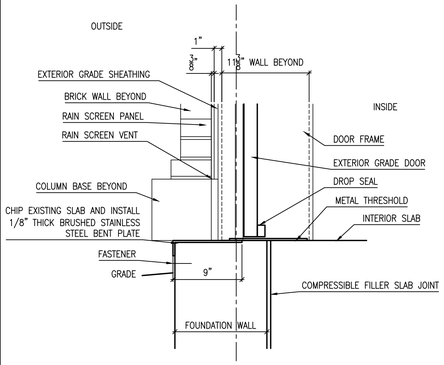
1 RAIN SCREEN BLOCKING
3" = 1'-0"



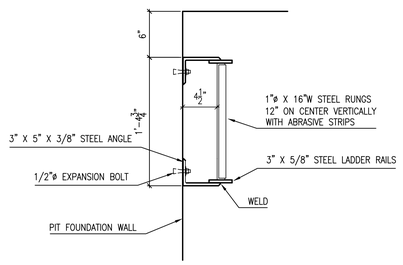
7 ELEVATOR RUN-BY SECTION
1-1/2" = 1'-0"



8 ELEVATOR AND STAIR AT SECOND FLOOR
3/8" = 1'-0"

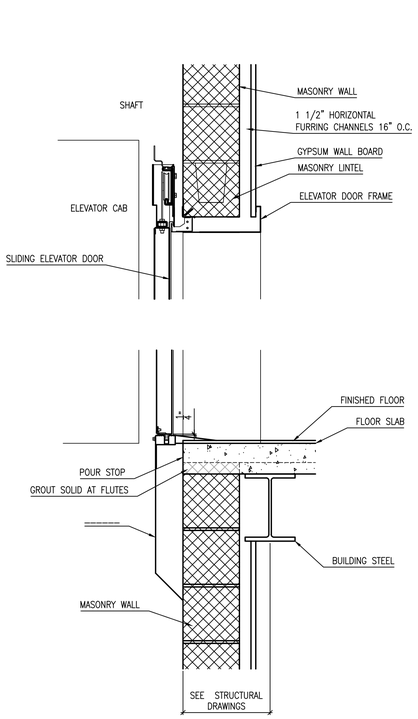


11 EXTERIOR WALL BASE DETAIL (STAFF ENTRY)
1-1/2" = 1'-0"

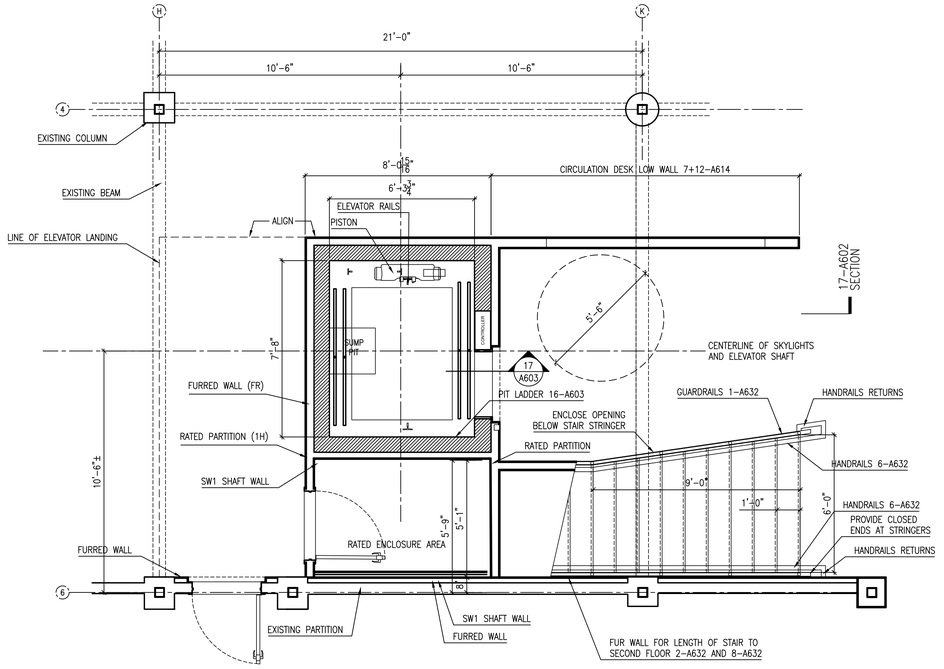


COORDINATE LOCATION WITH ELEVATOR VENDOR SHOP DRAWINGS

16 ELEVATOR PIT LADDER PLAN
1-1/2" = 1'-0"



17 ELEVATOR DOOR SECTION
1-1/2" = 1'-0"



SEE ELEVATOR VENDOR DRAWINGS FOR ADDITIONAL INFORMATION. BASIS OF DESIGN:
KONE MACHINE ROOM-LESS ELEVATOR SYSTEM

COORDINATE ELEVATOR SHAFT DIMENSIONS WITH FINAL APPROVED ELEVATOR.

18 ELEVATOR AND STAIR AT FIRST FLOOR
3/8" = 1'-0"

one eighth inch = one foot 1/8" = 1'-0"

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

2	1/28/2025	SED PERMIT AMENDMENT 01
1	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
ISSUE NO.		DESCRIPTION

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

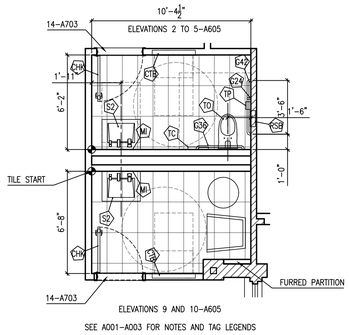
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

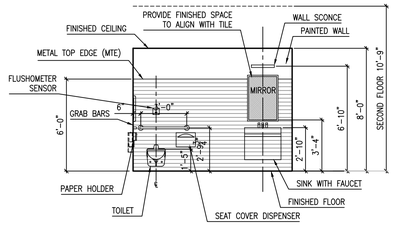
ELEVATIONS AND DETAILS

PROJECT NO.: 2578-02

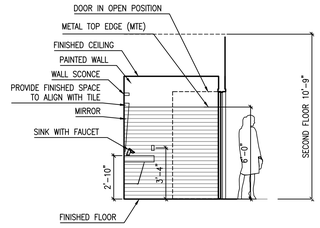
DRAWING NO.:
A603



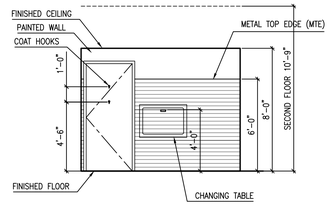
1 TOILET + LACTATION ROOM ENLARGED PLAN
1/4" = 1' - 0"



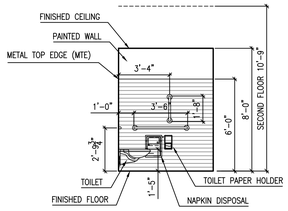
2 TOILET ROOM #37A ELEVATION
1/4" = 1' - 0"



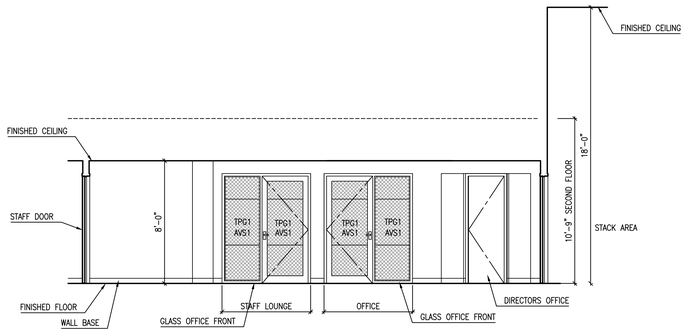
3 TOILET ROOM #37A ELEVATION
1/4" = 1' - 0"



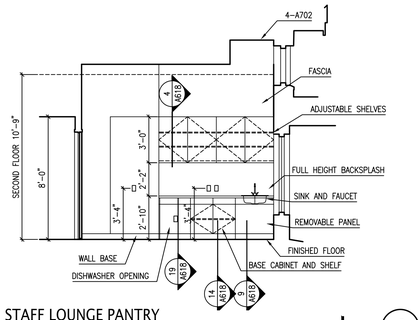
4 TOILET ROOM #37A ELEVATION
1/4" = 1' - 0"



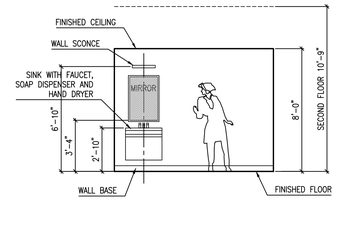
5 TOILET ROOM #37A ELEVATION
1/4" = 1' - 0"



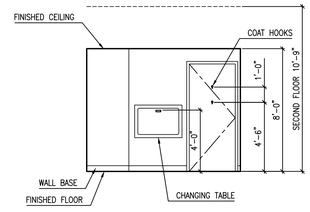
6 STAFF AREA ELEVATION
1/4" = 1' - 0"



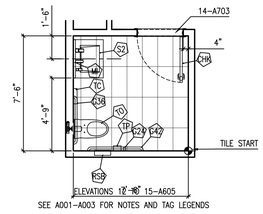
8 STAFF LOUNGE PANTRY
1/4" = 1'- 0"



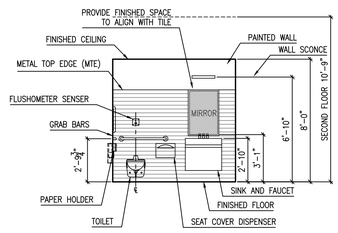
9 LACTATION ROOM #37 ELEVATION
1/4" = 1'- 0"



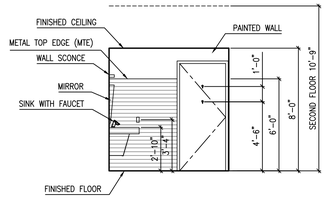
10 LACTATION ROOM #37 ELEVATION
1/4" = 1'- 0"



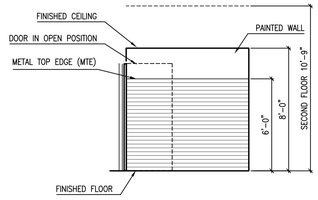
11 TOILET ROOM ENLARGED PLAN
1/4" = 1' - 0"



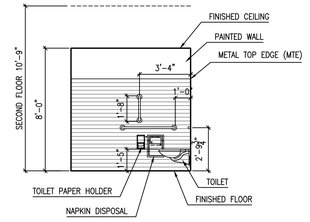
12 TOILET ROOM ELEVATION
1/4" = 1' - 0"



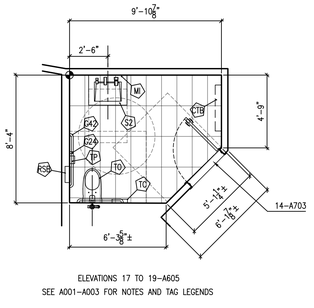
13 TOILET ROOM ELEVATION
1/4" = 1' - 0"



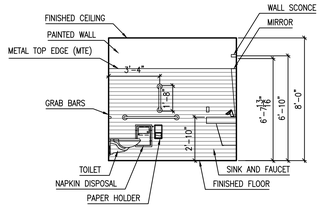
14 TOILET ROOM ELEVATION
1/4" = 1' - 0"



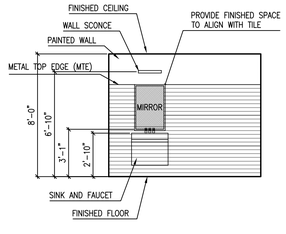
15 TOILET ROOM ELEVATION
1/4" = 1' - 0"



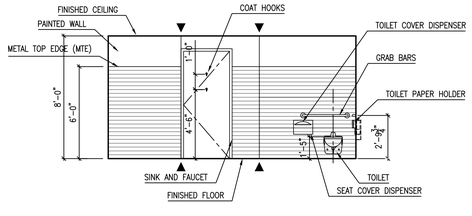
16 SECOND FLOOR TOILET ROOM
1/4" = 1' - 0"



17 SECOND FLOOR TOILET ROOM ELEVATION
1/4" = 1' - 0"



18 SECOND FLOOR TOILET ROOM ELEVATION
1/4" = 1' - 0"



19 UNFOLDED TOILET ROOM ELEVATION
1/4" = 1' - 0"

20 -

one eighth inch = one foot 1/8" = 1'-0" 0 1 2 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

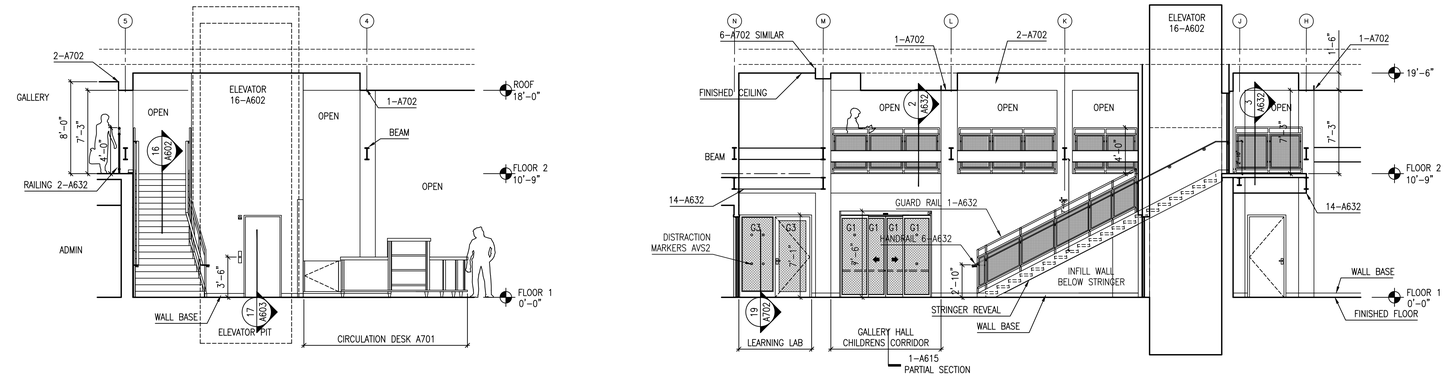
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ELEVATIONS AND DETAILS

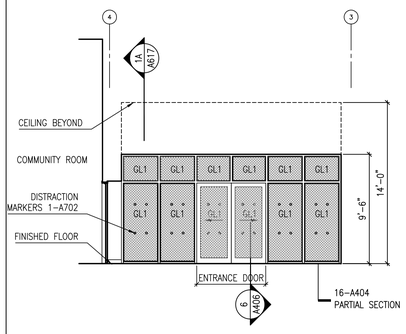
PROJECT NO.: 2578-02

DRAWING NO.:

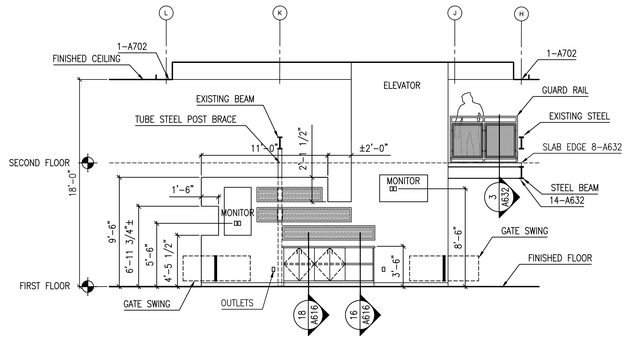
A605



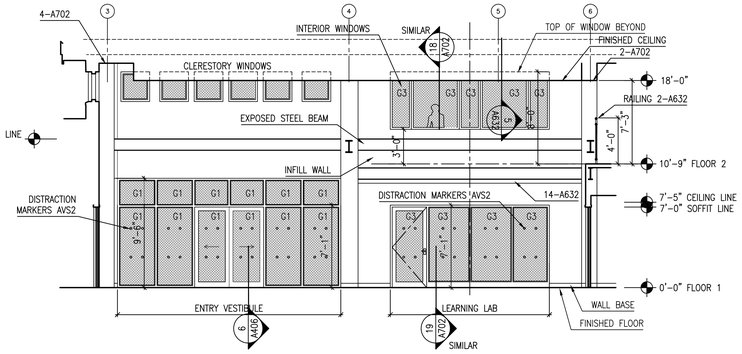
1 ELEVATION ELEVATOR AND STAIR AREA
3/16" = 1'-0"



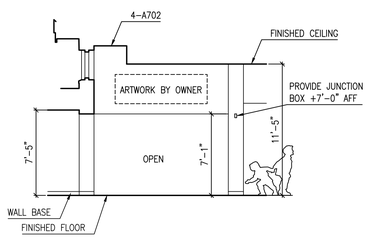
6 ENTRANCE VESTIBULE INTERIOR DOOR
3/16" = 1'-0"



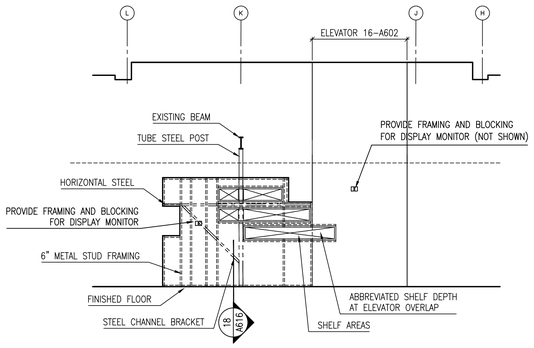
7 CIRCULATION DESK WALL ELEVATION
3/16" = 1'-0"



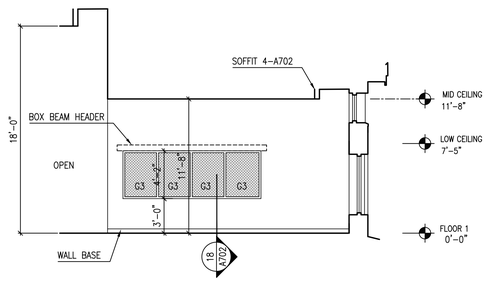
9 ELEVATION ENTRANCE AND LEARNING LAB
3/16" = 1'-0"



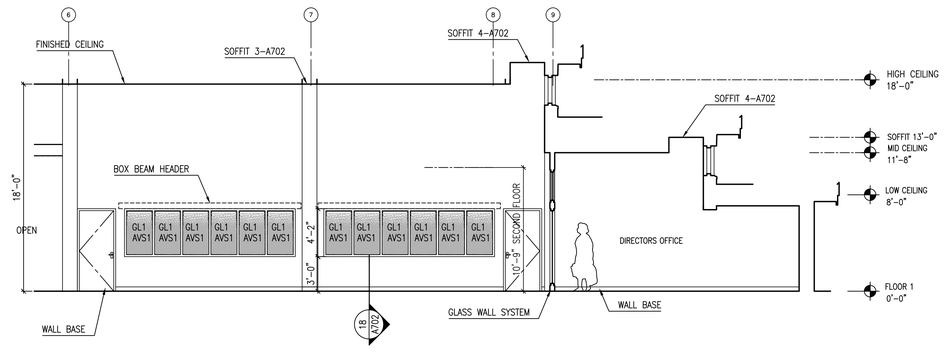
11 ELEVATION AT CHILDREN'S LIBRARY
3/16" = 1'-0"



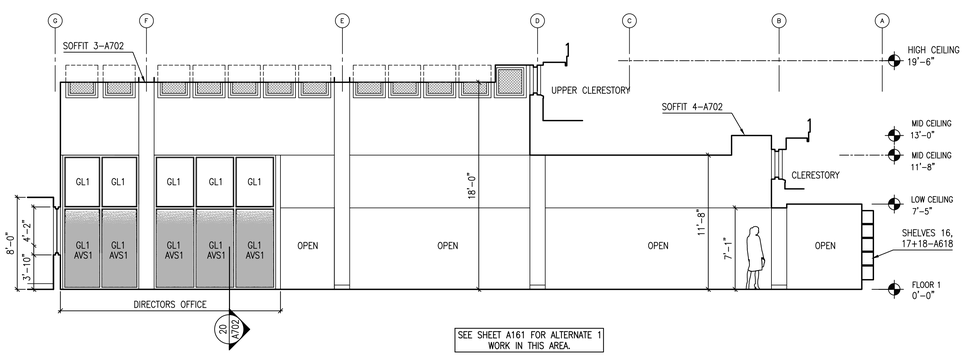
12 CIRCULATION DESK WALL FRAMING
3/16" = 1'-0"



14 TEEN ROOM ELEVATION
3/16" = 1'-0"



16 ELEVATION
3/16" = 1'-0"



19 NON-FICTION STACKS & READING AREA INTERIOR ELEVATION
3/16" = 1'-0"

one eighth inch = one foot 16 8 4 2 0

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	1/28/2025	SED PERMIT AMENDMENT 01
1	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

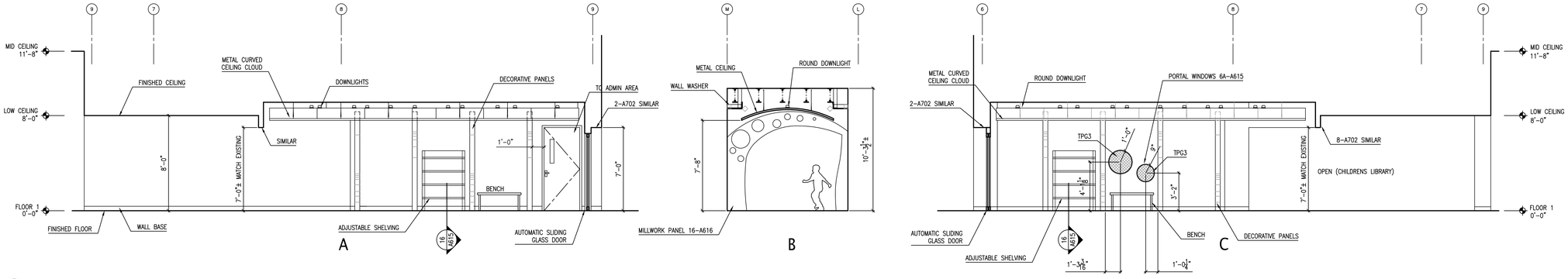
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

INTERIOR ELEVATIONS

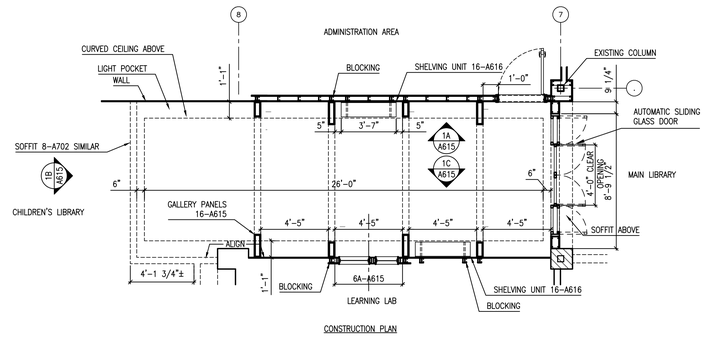
PROJECT NO.: 2578-02

DRAWING NO.:

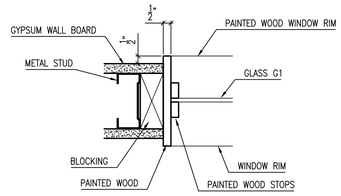
A614



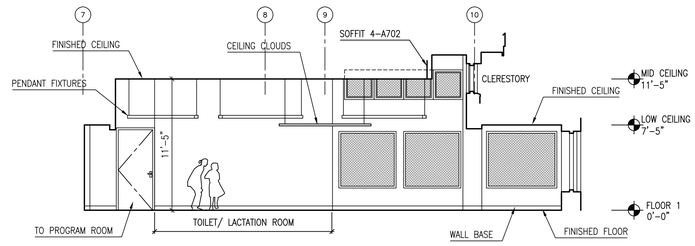
1 CHILDREN'S GALLERY HALL ELEVATIONS
1/4" = 1'-0"



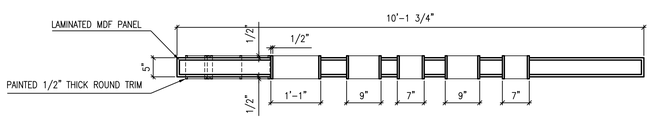
6 CHILDREN'S GALLERY HALL ENLARGED PLAN
1/4" = 1'-0"



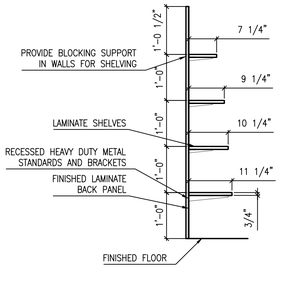
6A WINDOW DETAIL
3" = 1'-0"



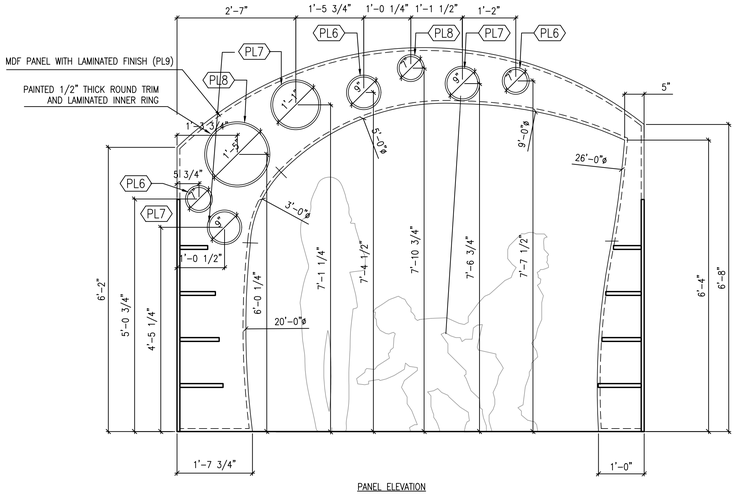
9 CHILDREN'S LIBRARY NORTH ELEVATION
3/16" = 1'-0"



CUTOUT PLAN

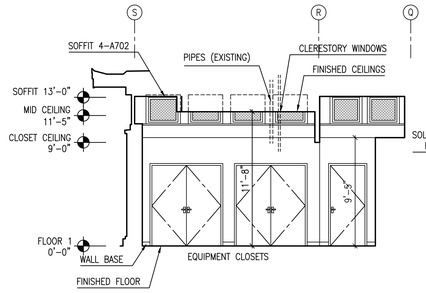


SHELVING DETAIL

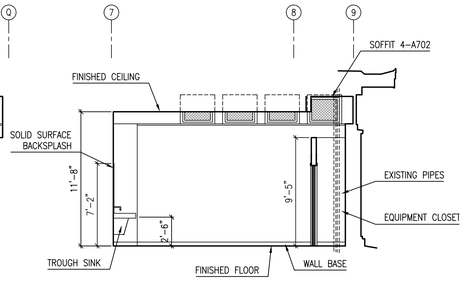


PANEL ELEVATION

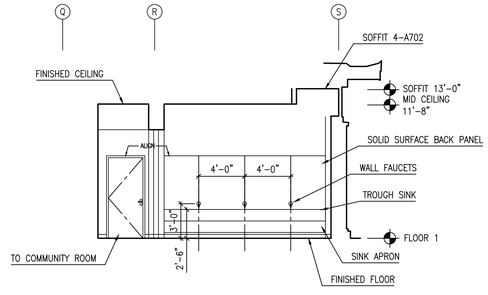
16 CHILDREN'S GALLERY HALL PANEL ELEVATION
3/4" = 1'-0"



14 CHILDREN'S PROGRAM ROOM ELEVATION
3/16"=1'-0"



15 CHILDREN'S PROGRAM ROOM ELEVATION
3/16"=1'-0"



19 CHILDREN'S PROGRAM ROOM ELEVATION
3/16"=1'-0"

20

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	1/28/2025	SED PERMIT AMENDMENT 01
1	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY
80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

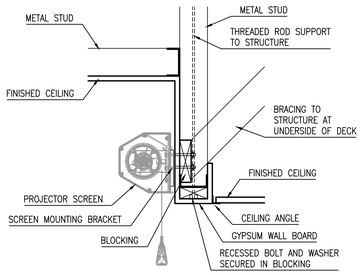
INTERIOR ELEVATIONS

PROJECT NO.: 2578-02

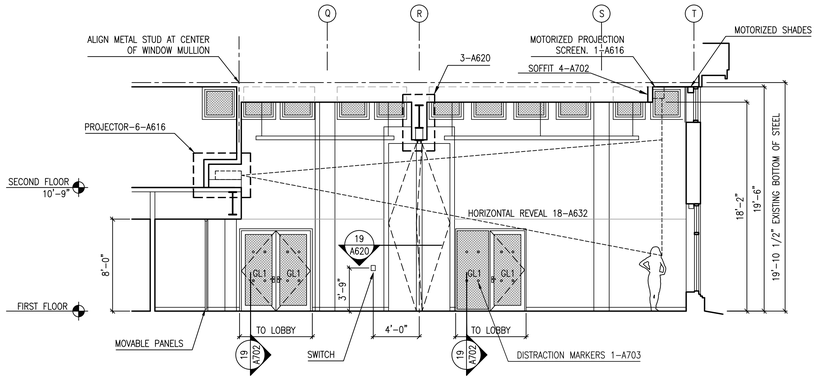
DRAWING NO.:

A615

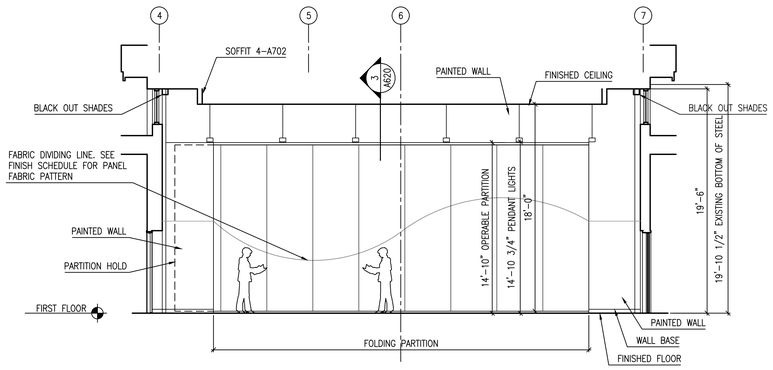
one eighth inch = one foot 16
0 1 2 4 8



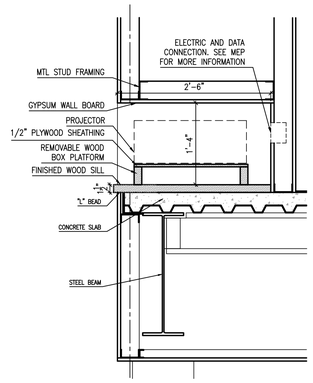
1 SCREEN MOUNTING DETAIL
1-1/2" = 1'-0"



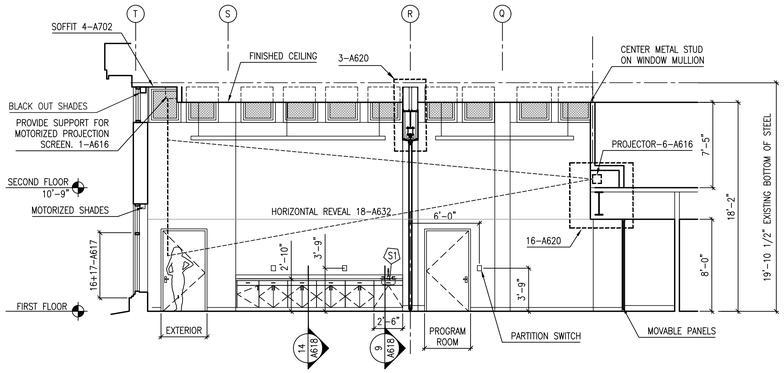
2 COMMUNITY ROOM INTERIOR ELEVATION
3/16" = 1'-0"



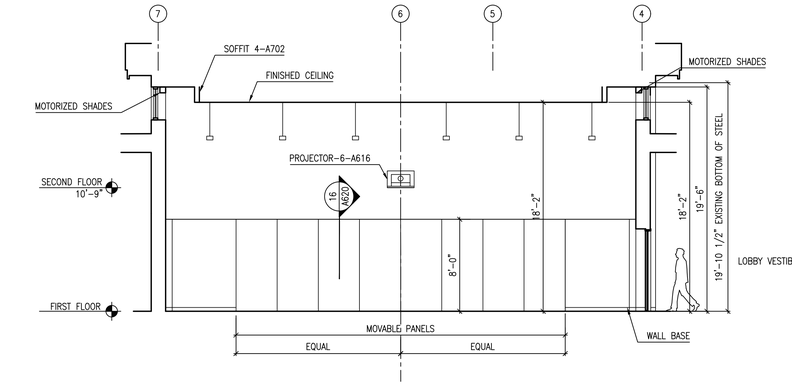
4 COMMUNITY ROOM INTERIOR ELEVATION
3/16" = 1'-0"



6 PROJECTOR NICHE DETAIL
1" = 1'-0"

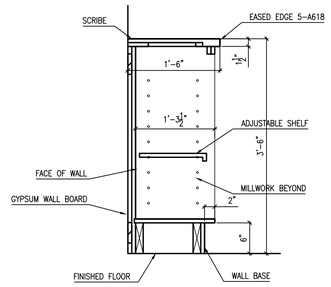


7 COMMUNITY ROOM INTERIOR ELEVATION
3/16" = 1'-0"

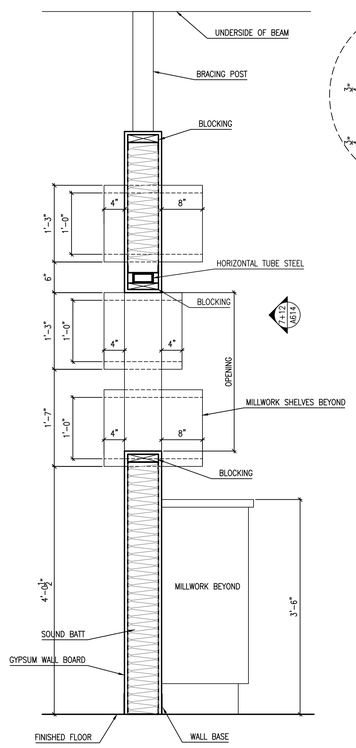


9 COMMUNITY ROOM INTERIOR ELEVATION
3/16" = 1'-0"

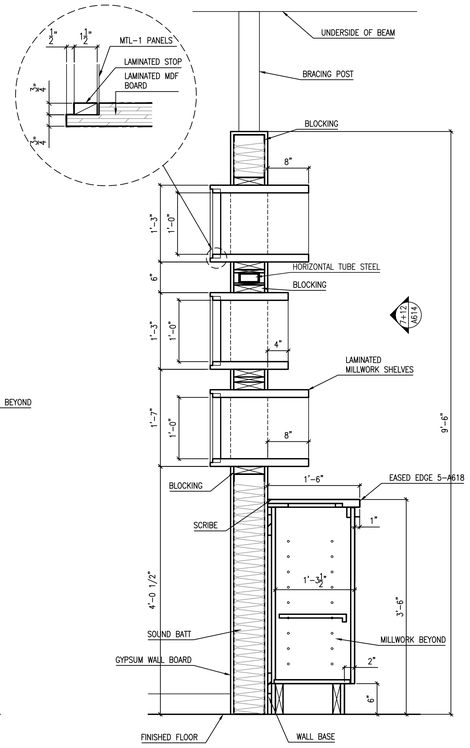
11 .
.



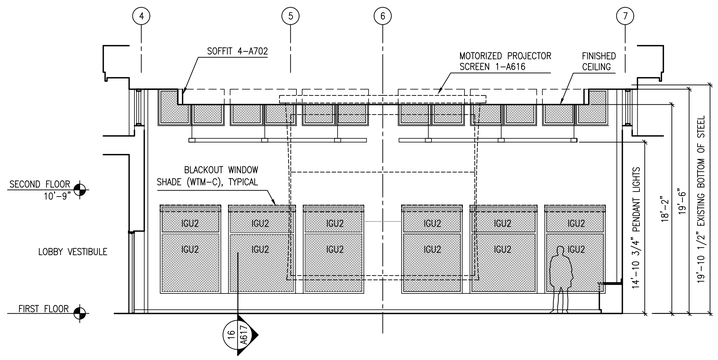
16 CIRCULATION DESK OPEN SHELVES
1" = 1'-0"



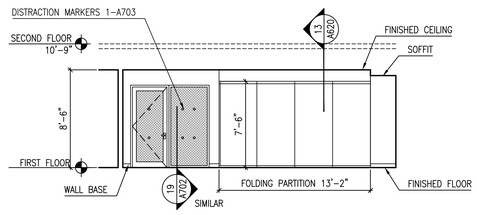
17 WALL MILLWORK SECTION (W6)
1" = 1'-0"



18 WALL MILLWORK SECTION (W6)
1" = 1'-0"



14 COMMUNITY ROOM INTERIOR ELEVATION
3/16" = 1'-0"



19 LEARNING LAB ELEVATION
3/16" = 1'-0"

one eighth inch = one foot 1/8" = 1'-0"

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
1	12-20-2024	NYSED COMMENT REVISIONS
2	1/28/2025	SED PERMIT AMENDMENT 01

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

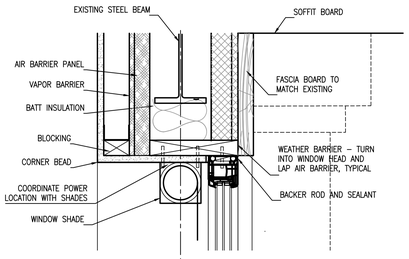
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

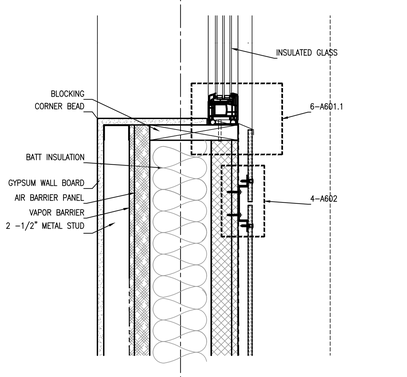
INTERIOR ELEVATIONS

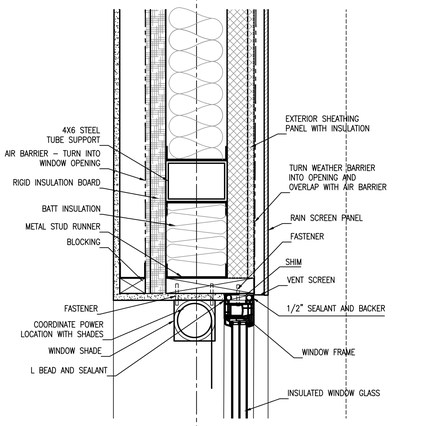
PROJECT NO.: 2578-02

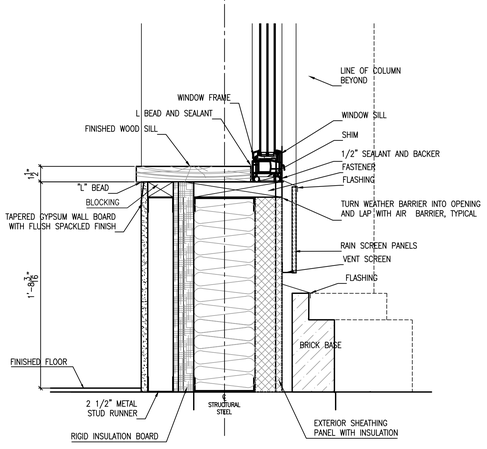
DRAWING NO.:

A616

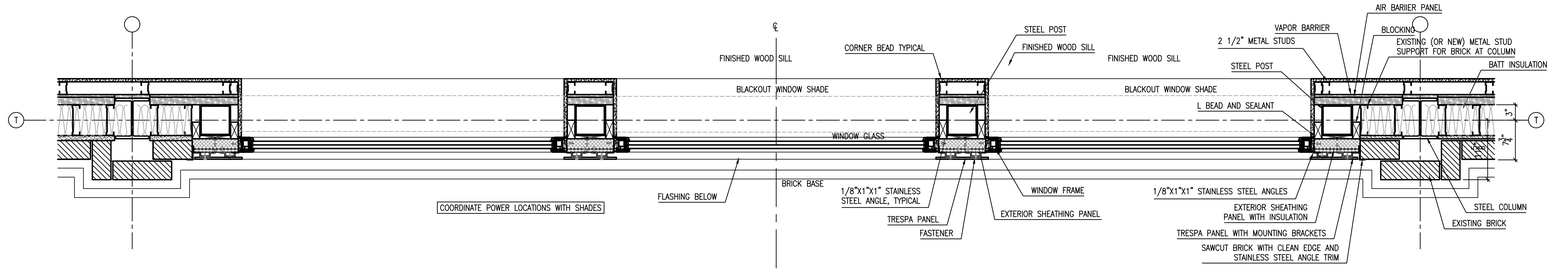




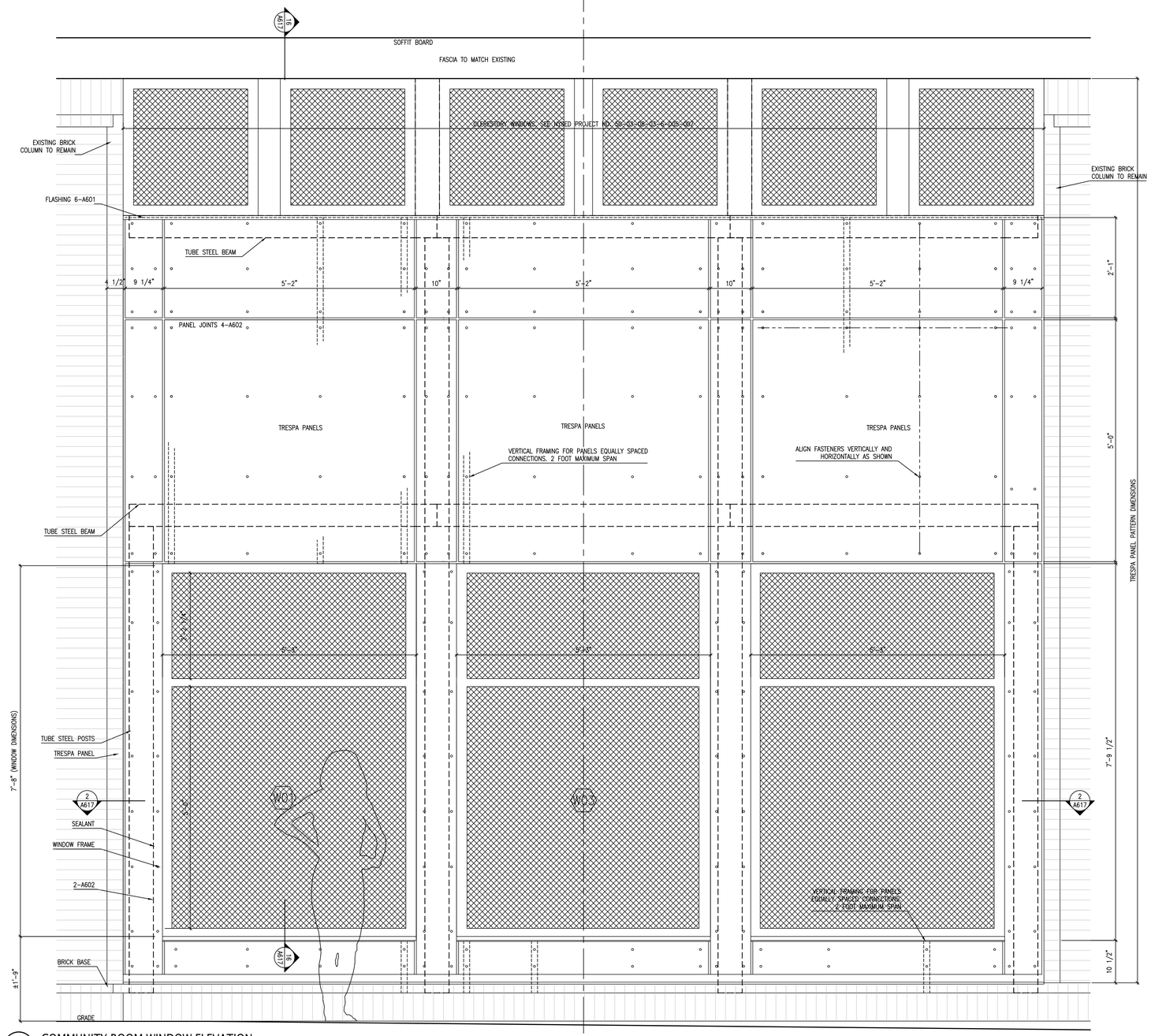




16 WINDOW SECTION DETAIL
2" = 1'-0"



2 COMMUNITY ROOM WINDOW PLAN
1" = 1'-0"



17 COMMUNITY ROOM WINDOW ELEVATION
1" = 1'-0"

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
7	1/28/2025	SED PERMIT AMENDMENT 01
6	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

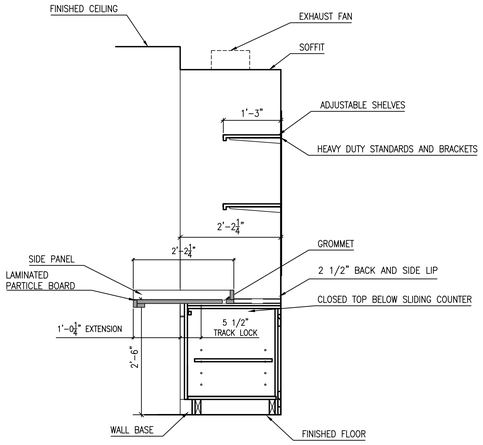
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ELEVATIONS AND DETAILS

PROJECT NO.: 2578-02

DRAWING NO.:

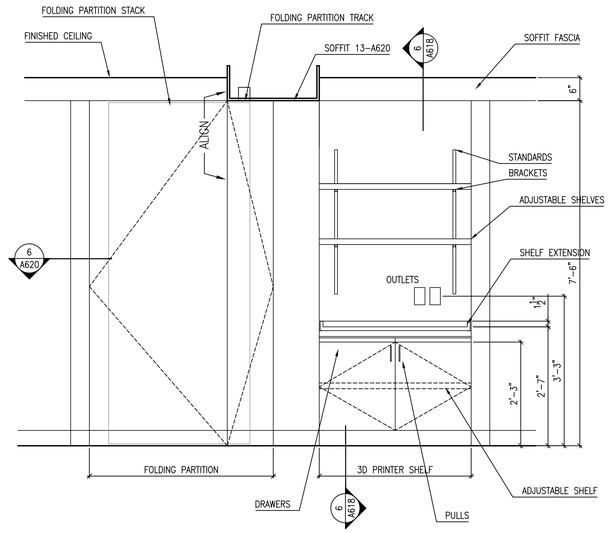
A617



PROVIDE BLOCKING IN WALLS FOR WALL MOUNTED MILLWORK AND EQUIPMENT

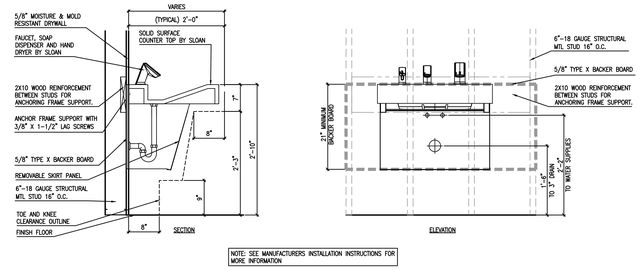
SEE A001 FOR MILLWORK PULLS, GROMMETS AND BRACKETS LEGEND AND NOTES

6 LEARNING LAB 3D PRINTER NICHE
3/4 = 1'-0"



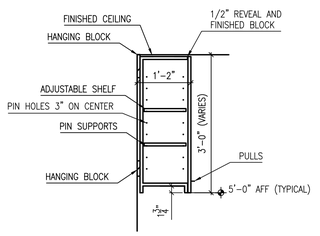
SEE A001 FOR MILLWORK PULLS, GROMMETS AND BRACKETS LEGEND AND NOTES

7 LEARNING LAB PART ELEVATION
3/4 = 1'-0"



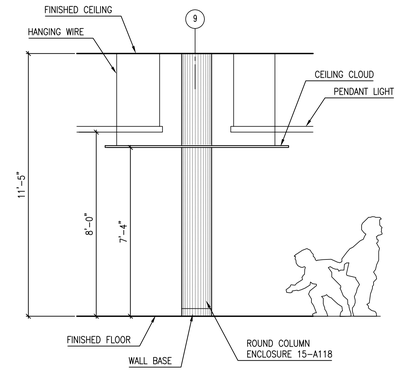
NOTE: SEE MANUFACTURERS INSTALLATION INSTRUCTIONS FOR MORE INFORMATION

4 RESTROOM WALL HUNG LAVATORY
3/4" = 1'-0"

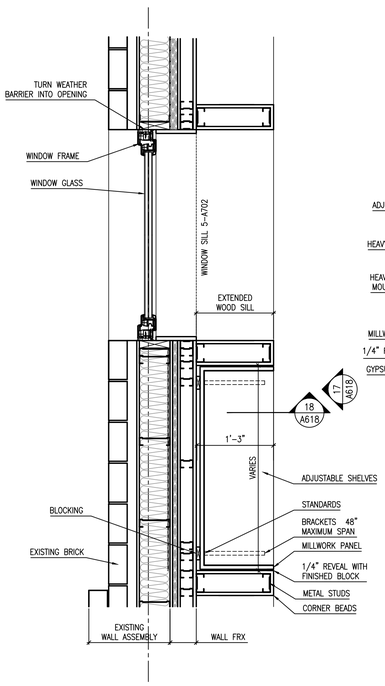


SEE A001 FOR MILLWORK PULLS, GROMMETS AND BRACKETS LEGEND AND NOTES

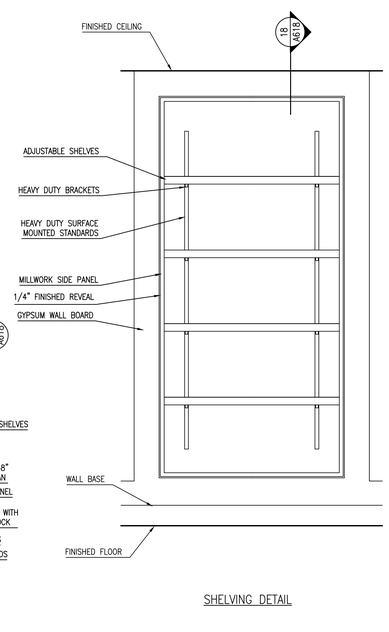
9 UPPER CABINET
3/4" = 1'-0"



10 TREE ELEVATION (CHILDREN'S LIBRARY)
3/8 = 1'-0"

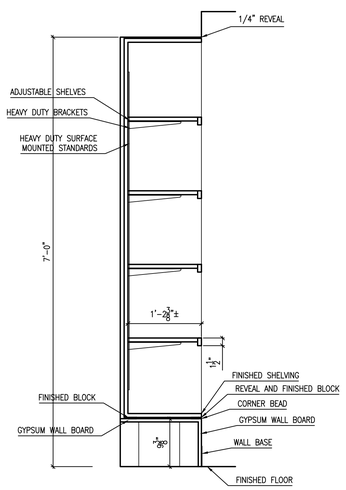


16 SHELF WINDOW PLAN DETAIL
1" = 1'-0"



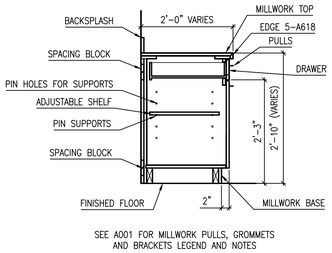
SHELVING DETAIL

17 SHELF ELEVATION
1" = 1'-0"



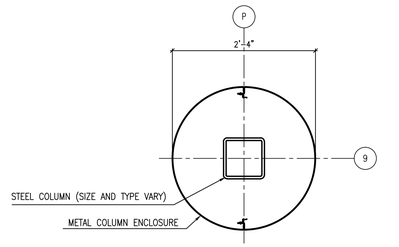
SHELVING DETAIL

18 SHELF SECTION
1" = 1'-0"



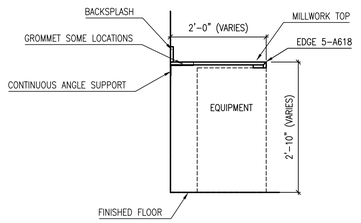
SEE A001 FOR MILLWORK PULLS, GROMMETS AND BRACKETS LEGEND AND NOTES

14 COMMUNITY RM BASE CABINET WITH DRAWERS
3/4" = 1'-0"

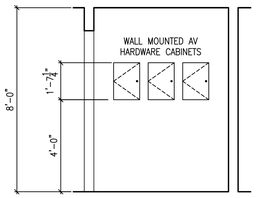


BASIS OF DESIGN: MOZ CC 100 SERIES ROUND COLUMN COVER, .090" ALUMINUM WITH 2 SECTIONS, VERTICAL BUTT JOINTS (VBJ) AND (HBJ) HORIZONTAL BUTT JOINT AND DIGITAL IMAGERY FINISH.

15 TREE PLAN (CHILDREN'S LIBRARY)
1" = 1'-0"



19 MILLWORK COUNTER (WITH EQUIPMENT)
3/4" = 1'-0"



20 IT CLOSET RACK LOCATION ELEVATIONS
3/8" = 1'-0"

one eighth inch = one foot 1/8" = 1'-0" 0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST.
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
3	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
2	06-05-2024	ISSUED TO SED FOR PERMIT
1	05-15-2024	95% PROGRESS PRINT
	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY
80 Franklin Ave.
Pearl River, NY 10965

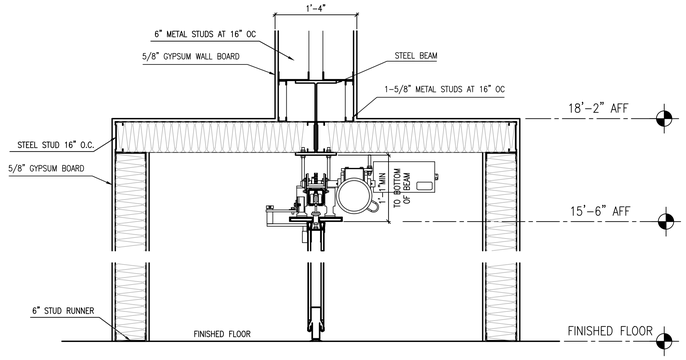
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

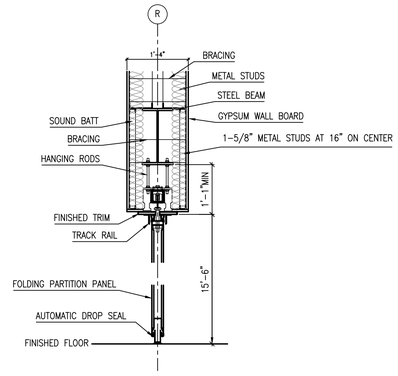
ELEVATIONS AND DETAILS

PROJECT NO.: 2578-02

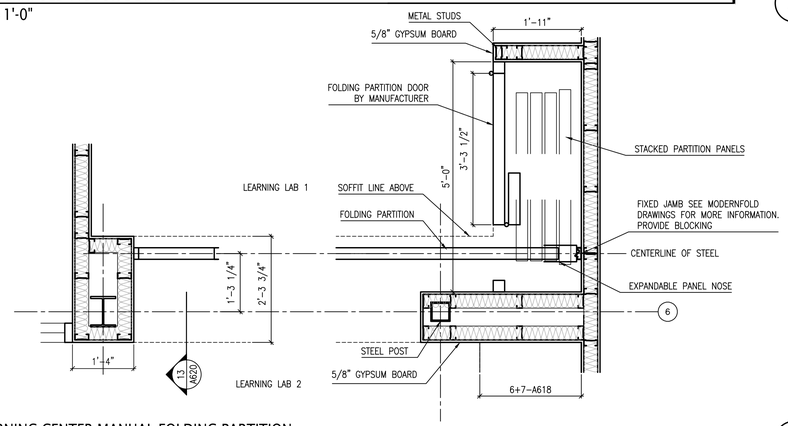
DRAWING NO.:
A618



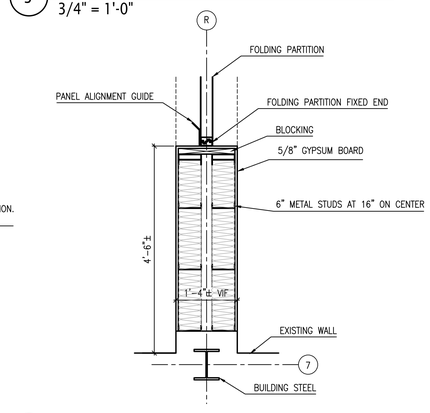
1 MODERNFOLD MOTOR DETAILS
1" = 1'-0"



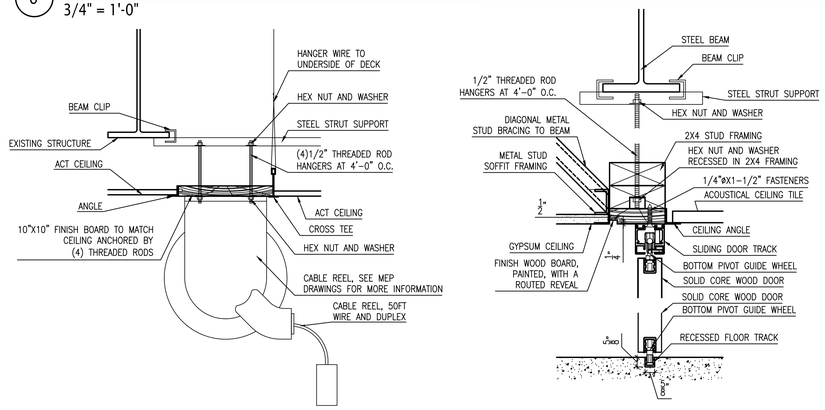
3 COMMUNITY ROOM FOLDING PARTITION SECTION
3/4" = 1'-0"



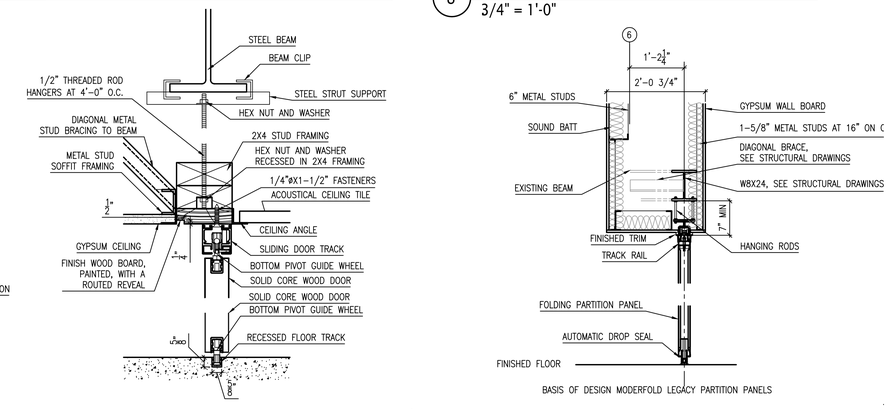
6 LEARNING CENTER MANUAL FOLDING PARTITION
3/4" = 1'-0"



8 COMMUNITY ROOM FOLDING PARTITION PLAN
3/4" = 1'-0"



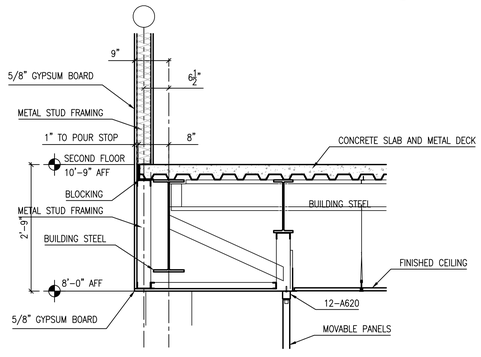
11 CABLE TRAY DETAIL
2" = 1'-0"



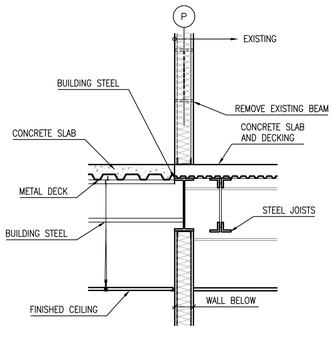
12 SLIDING PANEL HEAD AND FLOOR TRACK
HALF FULL SCALE

BASIS OF DESIGN MODERFOLD LEGACY PARTITION PANELS

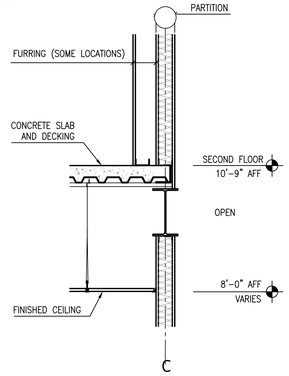
13 LEARNING LAB FOLDING PARTITION
3/4" = 1'-0"



A

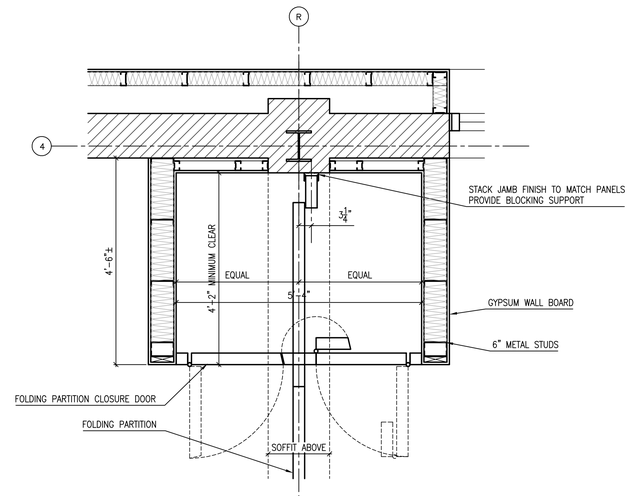


B

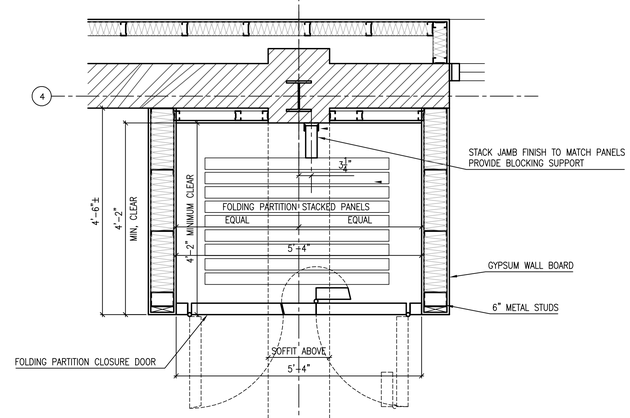


C

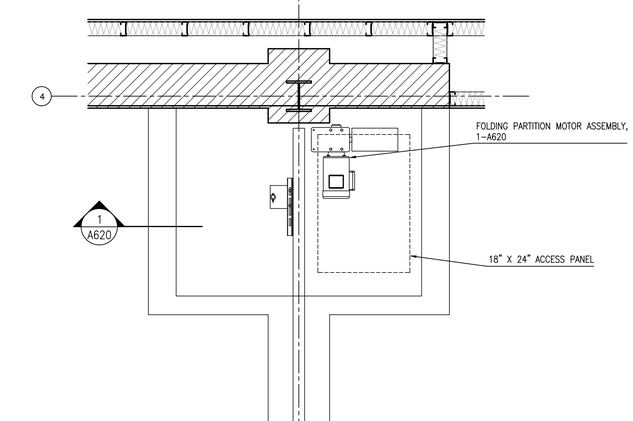
16 2ND FLOOR SLAB EDGE AT COMMUNITY ROOM
3/4" = 1'-0"



USE STUD GAUGE AS RECOMMENDED BY THE STUD MANUFACTURER FOR THE VERTICAL HEIGHT OF THE STUDS REQUIRED SOUND TRANSMISSION CLASS (STC) OF 52 OR GREATER



BASIS OF DESIGN MODERNFOLD ACOUSTI-SEAL LEGACY ELECTRIC PANEL. REQUIRED SOUND TRANSMISSION CLASS (STC) OF 52 OR GREATER



19 COMMUNITY ROOM MOTORIZED FOLDING PARTITION
3/4" = 1'-0"

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	1/28/2025	SED PERMIT AMENDMENT 01
4	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

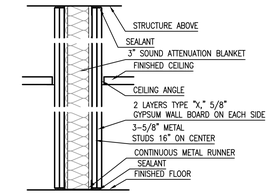
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ELEVATIONS AND DETAILS

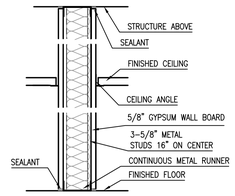
PROJECT NO.: 2578-02

DRAWING NO.:
A620



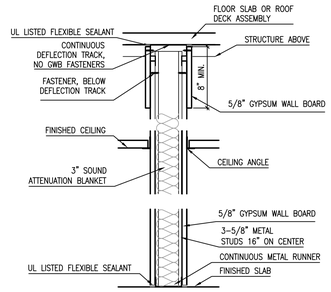
2 HR FIRE RATED AND SMOKE BARRIER
STC RATING 56
U.L. DESIGN NO. U-411

1 2 HOUR RATED PARTITION
1-1/2" = 1'-0"



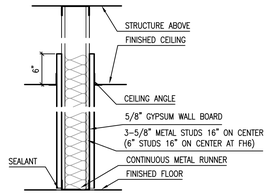
1 HOUR FIRE RATED AND SMOKE BARRIER
STC RATING 49
U.L. DESIGN NO. U-465

2 PARTITION TYPE SW1 - ONE HOUR SHAFTWALL
1-1/2" = 1'-0"

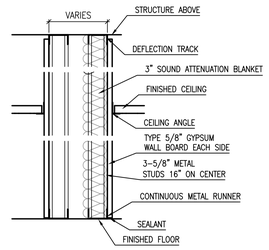


1 HOUR FIRE RATED AND SMOKE BARRIER
STC RATING 49
U.L. DESIGN NO. U-465

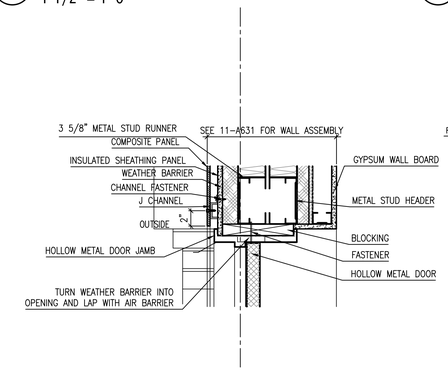
3 1 HOUR RATED PARTITION
1-1/2" = 1'-0"



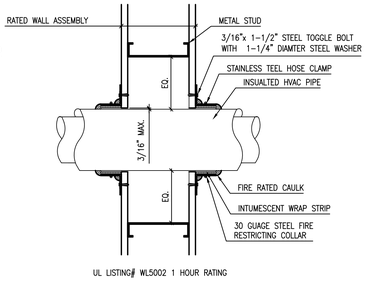
4 WALL TYPE FH AND FH6 (TYPICAL WALL)
1-1/2" = 1'-0"



5 WALL TYPE CH - CHASE WALL
1-1/2" = 1'-0"

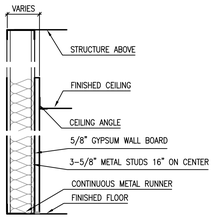


6 EXTERIOR HEADER DETAIL (STAFF ENTRY)
3" = 1'-0"

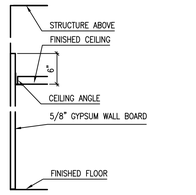


UL LISTING# WL5002 1 HOUR RATING

7 1 HOUR RATED PIPE WALL PENETRATION
1" = 1'-0"

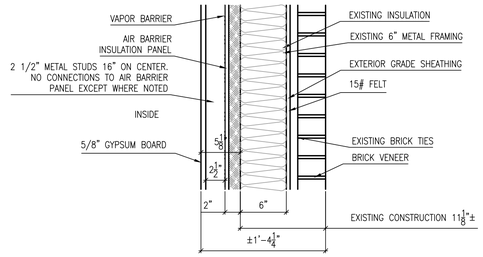


8 PARTITION TYPE FR - FURRED WALL
1-1/2" = 1'-0"

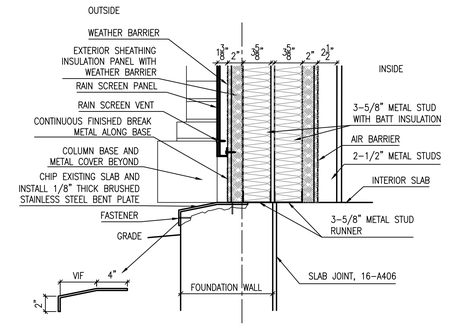


9 PARTITION TYPE L - LAMINATED WALL
1-1/2" = 1'-0"

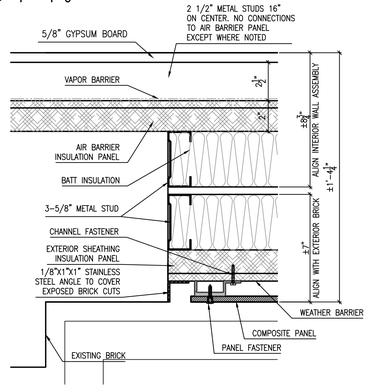
WALL TYPE FRX - ON EXTERIOR WALLS AND AT DESIGNATED LOCATIONS.
LAP AND INTEGRATE EXTERIOR WEATHER BARRIER AND INTERIOR AIR BARRIER INTO "WHOLE BUILDING SYSTEMS" TO ACHIEVE AIR BARRIER RESISTANCE REQUIREMENTS.



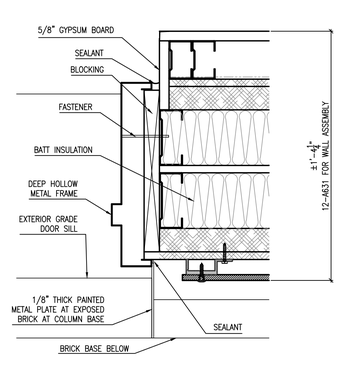
10 WALL TYPE FRX - EXTERIOR FURRED PARTITION
1-1/2" = 1'-0"



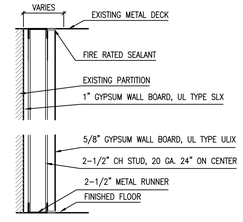
11 EXTERIOR WALL BASE DETAIL (STAFF ENTRY)
1-1/2" = 1'-0"



12 EXTERIOR WALL DETAIL (STAFF ENTRY)
3"=1'-0"



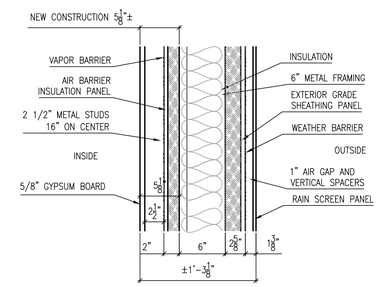
13 EXTERIOR JAMB DETAIL (STAFF ENTRY)
3" = 1'-0"



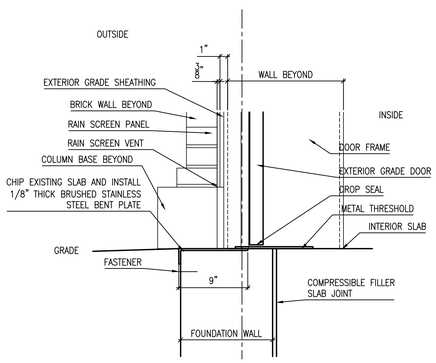
1 HOUR FIRE RATED
STC RATING 33
U.L. DESIGN NO. U-415 UL SYSTEM A

14 WALL TYPE SW1 - 1 HOUR RATED SHAFT WALL

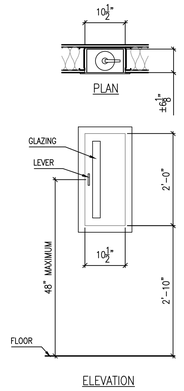
WALL TYPE FRX1 - ON EXTERIOR WALLS AND AT DESIGNATED LOCATIONS.
LAP AND INTEGRATE EXTERIOR WEATHER BARRIER AND INTERIOR AIR BARRIER INTO "WHOLE BUILDING SYSTEMS" TO ACHIEVE AIR BARRIER RESISTANCE REQUIREMENTS.



15 WALL TYPE FRX1 - EXTERIOR FURRED PARTITION
1-1/2" = 1'-0"

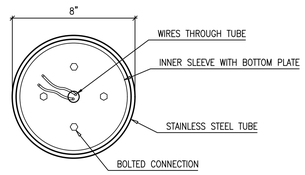


16 EXTERIOR WALL DOOR SILL DETAIL
1-1/2" = 1'-0"



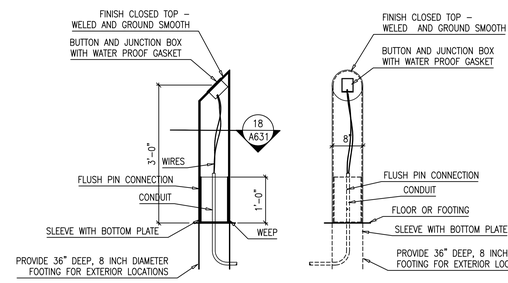
ELEVATION

17 FULLY RECESSED FIRE EXTINGUISHER CABINET
3/4" = 1'-0"



PLAN DETAIL

18 FIRE PULL STANCHION (FPS)
3" = 1'-0"



SECTION ELEVATION

1/4" THICK STAINLESS STEEL TUBE. COORDAINTE DIAMTER WITH REQUIRED JUNCTION BOX AND COVER PLATE FOR BUTTON ACTIVATION. WELD AND GRIND SMOOTH ALL JOINTS AND PROVIDE A BRUSHED FINISH.

19 FIRE PULL STANCHION (FPS)
3/4" = 1'-0"

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
1	12-20-2024	NYSED COMMENT REVISIONS
2	1/28/2025	SED PERMIT AMENDMENT 01

PEARL RIVER PUBLIC LIBRARY
80 Franklin Ave.
Pearl River, NY 10965

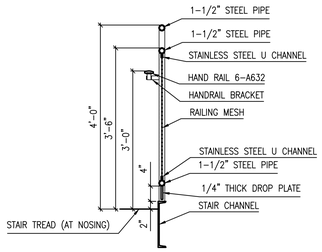
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

SECTION DETAILS

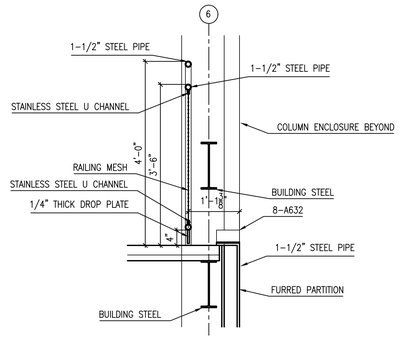
PROJECT NO.: 2578-02

DRAWING NO.:
A631



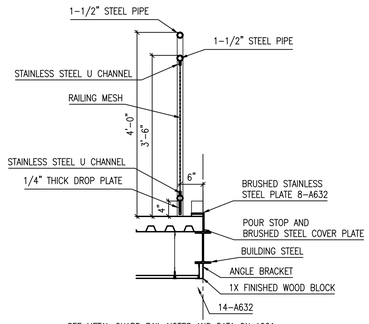
SEE METAL GUARD RAIL NOTES AND DATA ON A001.

1 GUARD RAIL AND HAND RAIL AT STAIR
3/4" = 1'-0"



SEE METAL GUARD RAIL NOTES AND DATA ON A001.

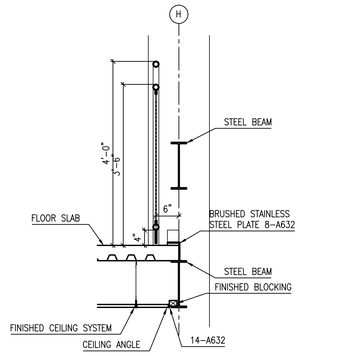
2 RAILING AT 2ND FLOOR GALLERY
3/4" = 1'-0"



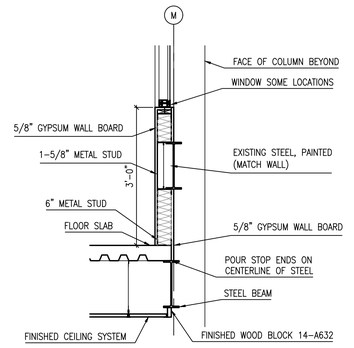
SEE METAL GUARD RAIL NOTES AND DATA ON A001.

3 RAILING ELEVATOR LANDING (2)
3/4" = 1'-0"

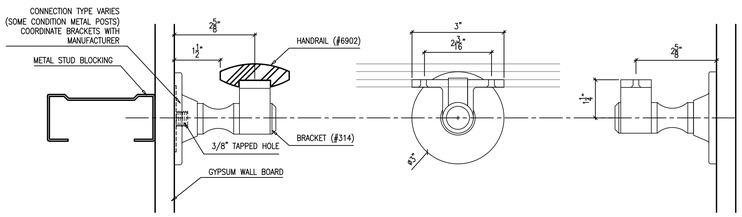
SEE METAL GUARD RAIL NOTES AND DATA ON A001.



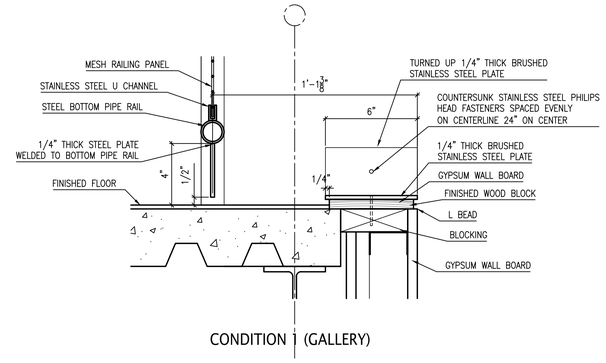
4 RAILING ELEVATOR LANDING (1)
3/4" = 1'-0"



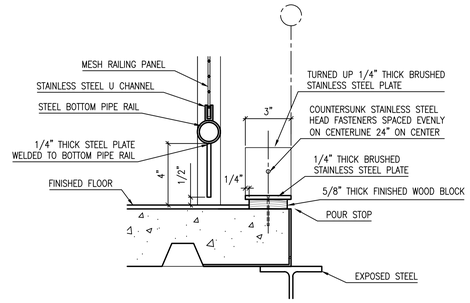
5 TYPCIAL WALL SECTION AT NEW FLOOR AREAS.
3/4" = 1'-0"



6 HANDRAIL DETAIL
HALF FULL SCALE

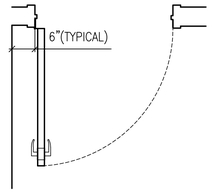


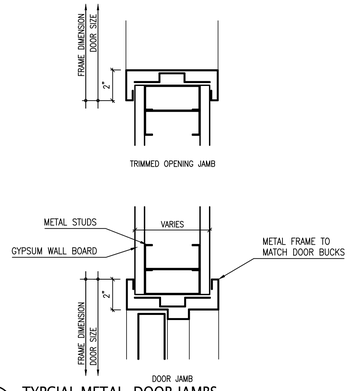
8 RAILING BASE | SLAB EDGE SECTION
3" = 1'-0"



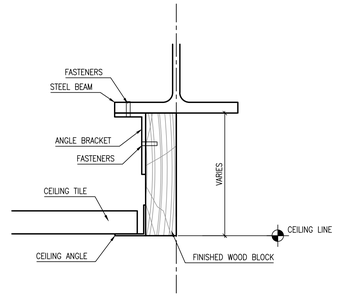
11

12 TYPCIAL DOOR WALL CONDITION
1-1/2" = 1'-0"

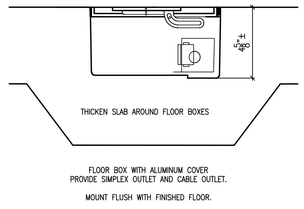




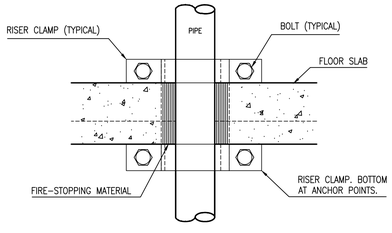
13 TYPCIAL METAL DOOR JAMBS
3" = 1'-0"



14 CEILING-BEAM DETAIL
HALF FULL SCALE

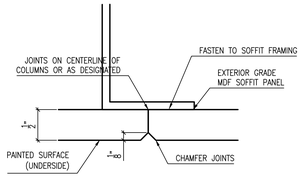


15 RECESSED ELECTRICAL|DATA FLOOR BOX
3" = 1'-0"

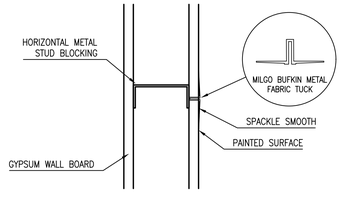


SUPPORT FOR PIPE RISERS

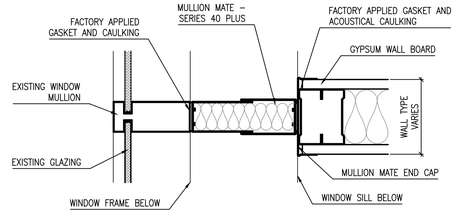
16 PIPEL CLAMP AND FIRE RATED PENETRATION
3" = 1'-0"



17 SOFFIT PANEL JOINTS
FULL SCALE



18 GYPSUM REVEAL DETAIL
3" = 1'-0"



19 MULLION WALL INTERSECTION
2" = 1'-0"

one eighth inch = one foot 1/8" = 1'-0"

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT|AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
5	12-20-2024	NYSED COMMENT REVISIONS
6	1/28/2025	SED PERMIT AMENDMENT 01

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

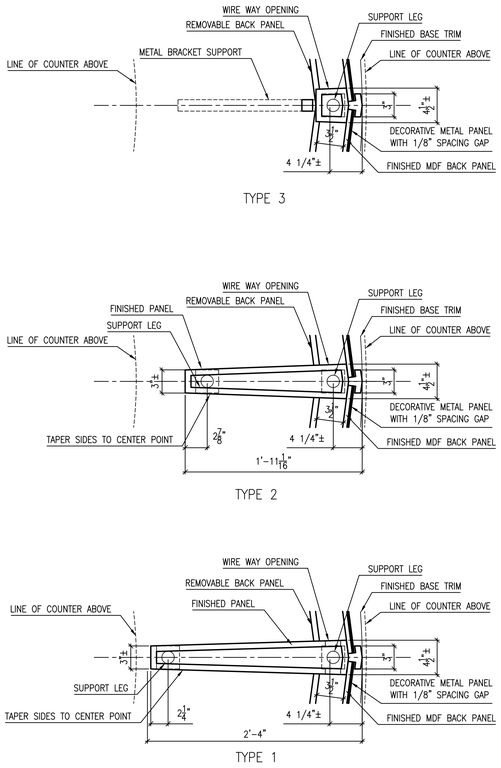
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

SECTION DETAILS

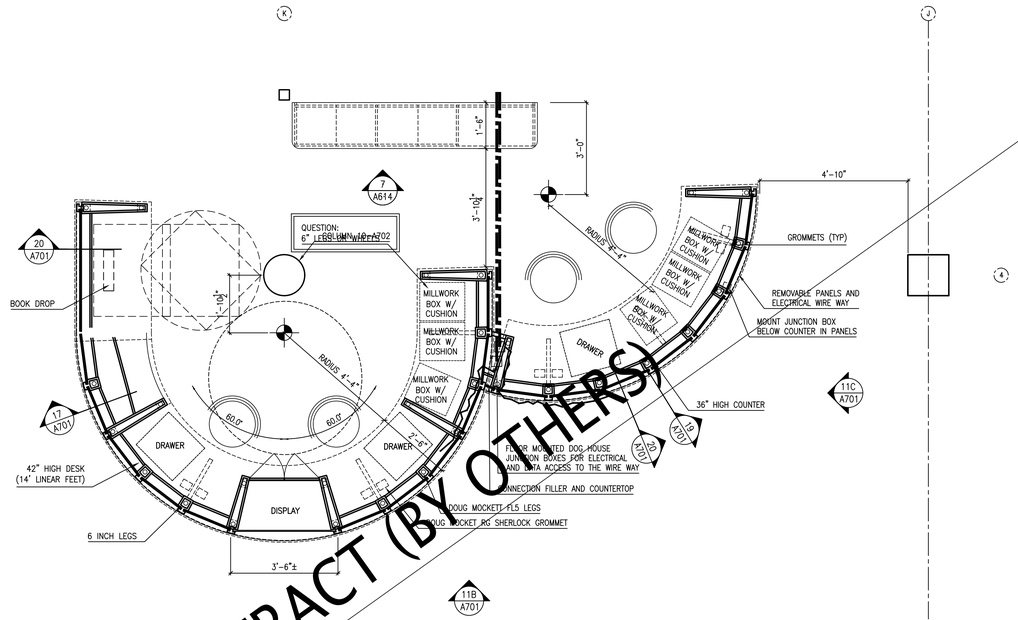
PROJECT NO.: 2578-02

DRAWING NO.:

A632



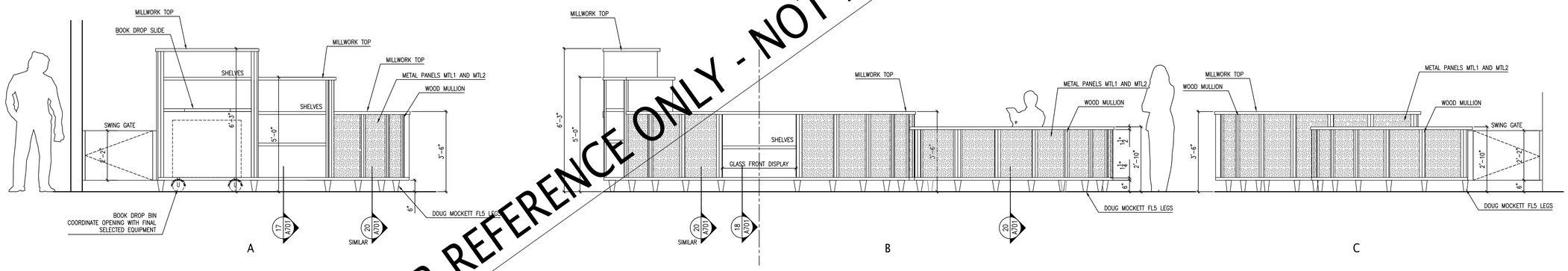
6 CIRCULATION DESK SUPPORTS
1-1/2" = 1'-0"



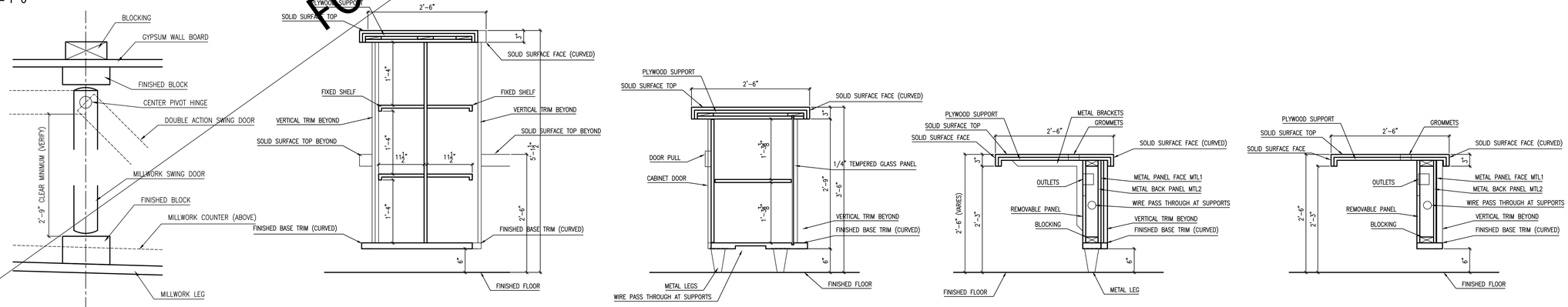
CIRCULATION DESK BY OWNER'S VENDOR. COORDINATE INSTALLATION AND ELECTRICAL AND DATA CONNECTIONS

SEE A0XX FOR MILLWORK PULLS, GROMMETS AND BRACKETS

8 CIRCULATION DESK PLAN (MID SECTION)
1/2" = 1'-0"



11 CIRCULATION DESK ELEVATION
1/2" = 1'-0"



16 SWING DOOR PLAN DETAIL
3" = 1'-0"

17 CIRCULATION DESK SECTION
1" = 1'-0"

18 CIRCULATION DESK SECTION
1" = 1'-0"

19 CIRCULATION DESK SECTION (AT LEG)
1" = 1'-0"

20 CIRCULATION DESK SECTION
1" = 1'-0"

one eighth inch = one foot 1/8" = 1'-0"

FOR REFERENCE ONLY - NOT IN CONTRACT (BY OTHERS)

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
2	1/28/2025	SED PERMIT AMENDMENT 01
1	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY
80 Franklin Ave.
Pearl River, NY 10965

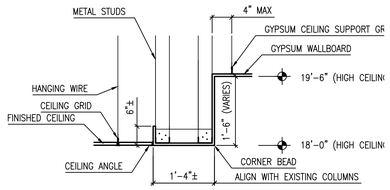
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

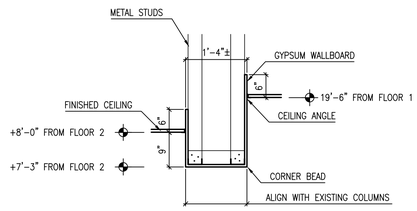
CIRCULATION DESK DETAILS

PROJECT NO.: 2578-02

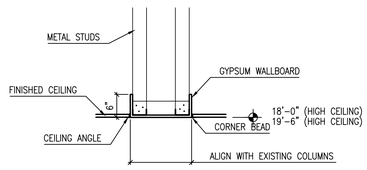
DRAWING NO.:
A701



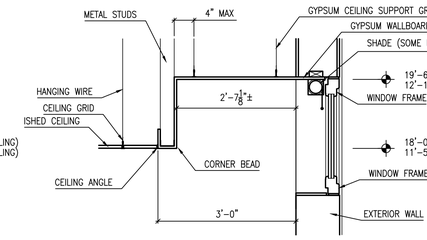
1 HIGH AND MID CEILING SOFFIT (INTERIOR)
3/4" = 1'-0"



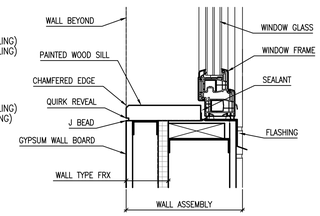
2 SOFFIT (SECOND FLOOR GALLERY + MORE)
3/4" = 1'-0"



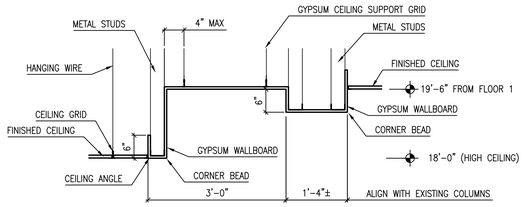
3 HIGH AND MID CEILING SOFFIT (PERIMETER)
3/4" = 1'-0"



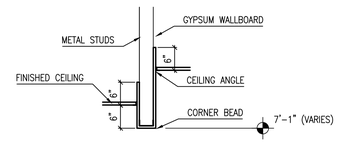
4 HIGH AND MID CEILING SOFFIT (PERIMETER)
3/4" = 1'-0"



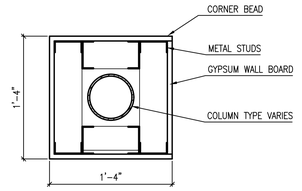
5 WINDOW SILL DETAIL
2" = 1'-0"



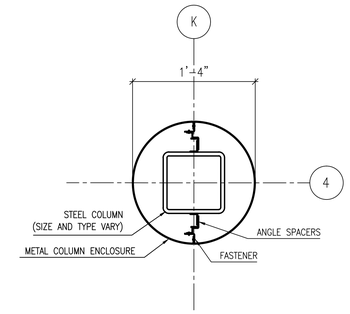
6 SOFFIT AT HIGH CEILING
3/4" = 1'-0"



8 SOFFIT GBS 71(A) CHILDREN'S LIBRARY GALLERY
3/4" = 1'-0"

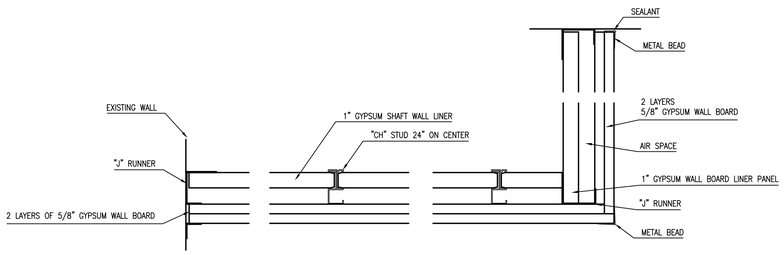


9 TYPCIAL COLUMN ENCLOSURE
1-1/2" = 1'-0"



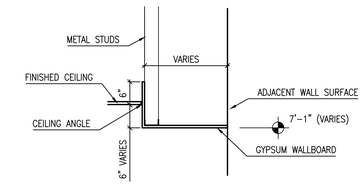
BASIS OF DESIGN: MOZ CC 100 SERIES ROUND COLUMN COVER, .090" ALUMINUM WITH 2 SECTIONS, VERTICAL BUTT JOINTS (VBJ) AND (HBJ) HORIZONTAL BUTT JOINT AND APPLIED WALL COVERING FINISH.

10 CIRCULATION DESK COLUMN
1-1/2" = 1'-0"



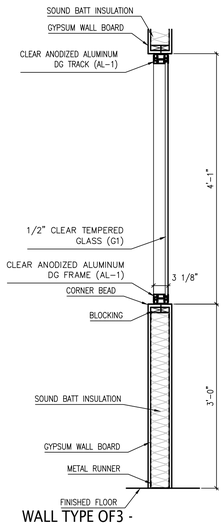
2 HOUR FIRE RATED HORIZONTAL ENCLOSURE
(SEE NER 258)
NYC BSA #354-76-SM
NYC BSA #277-83-SM

11 FIRE RATED HORIZONTAL ASSEMBLY
3" = 1'-0"

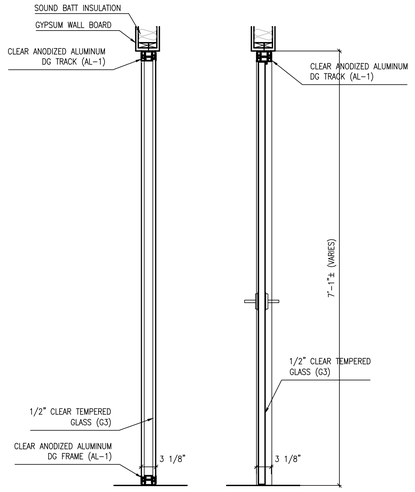


16 SOFFIT GBS(-6)
3/4" = 1'-0"

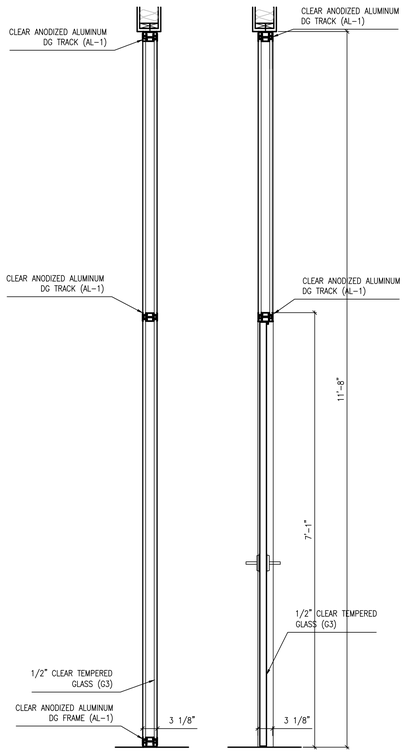
17



WALL TYPE OF3 -
WINDOW (METROWALL DG SYSTEM)
18 1" = 1'-0"



WALL TYPE OF 2 -
LOW OFFICE FRONT (METROWALL DG SYSTEM)
19 1" = 1'-0"



WALL TYPE OF1 -
HIGH OFFICE FRONT (METROWALL DG SYSTEM)
20 1" = 1'-0"

one eighth inch = one foot 1/8 1/4 1/2 1 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
7	1/28/2025	SED PERMIT AMENDMENT 01
6	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ELEVATIONS AND DETAILS

PROJECT NO.: 2578-02

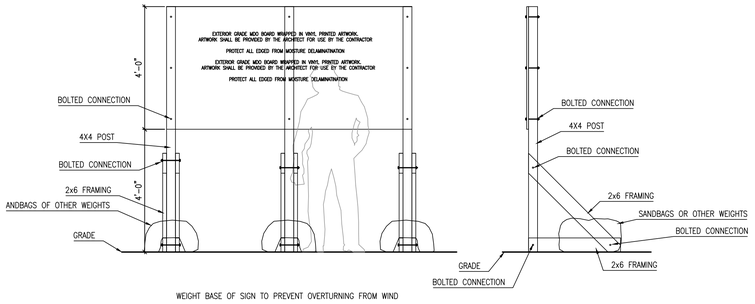
DRAWING NO.:

A702



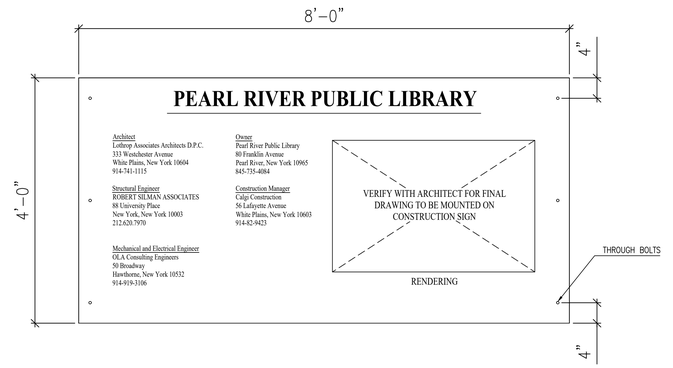
PROVIDE ROUND DISTRACTION MARKER DECALS WITH A COLOR PEARL RIVER PUBLIC LIBRARY. INSTALL TWO ROWS OF MARKERS, ONE AT EYE LEVEL (60" AFF) AND ONE AT 30" AFF AND 12 INCHES ON CENTER.

1 TYPCIAL DISTRACTION MARKER
FULL SCALE



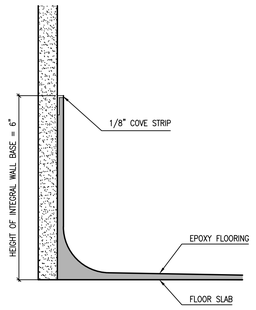
WEIGHT BASE OF SIGN TO PREVENT OVERTURNING FROM WIND

2 CONSTRUCTION SIGN
1/2" = 1'-0"

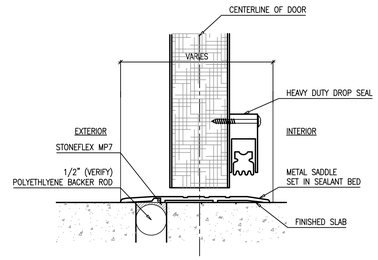


9 CONSTRUCTION SIGN
1" = 1'-0"

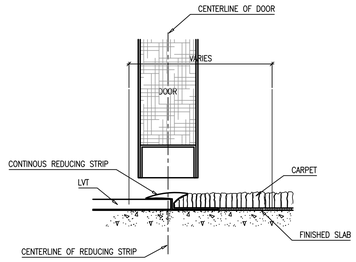
6 .
.



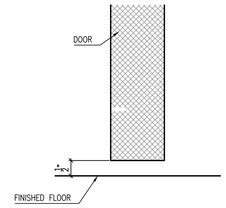
7 INTEGRAL WALL BASE
HALF SCALE



8 EXTERIOR GRADE DOOR SADDLE (S1)
HALF SCALE

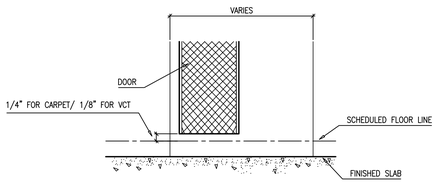


9 VINYL REDUCING STRIP (S2)
HALF SCALE

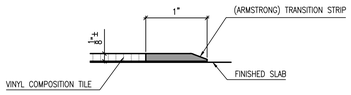


10 DROP SEAL
HALF FULL SCALE

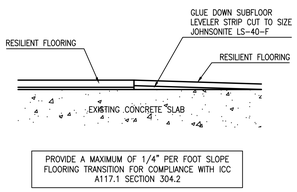
11 -
HALF SCALE



12 FLUSH TRANSITION
HALF SCALE

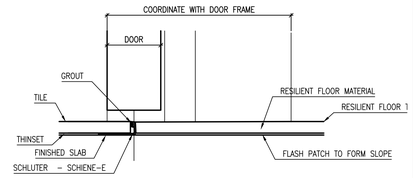


13 VINYL REDUCING STRIP (S5)
FULL SCALE



PROVIDE A MAXIMUM OF 1/4" PER FOOT SLOPE FLOORING TRANSITION FOR COMPLIANCE WITH ICC A117.1 SECTION 304.2

14 FLUSH TRANSITION WITH LVT
HALF FULL SCALE

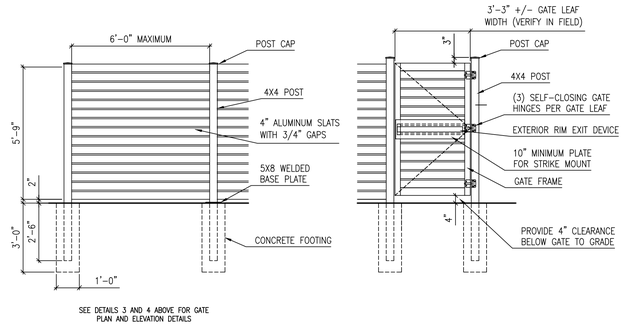


15 FLUSH TRANSITION WITH TILE (S3)
HALF FULL SCALE

16 .
.

17 .
.

18 .
.



SEE DETAILS 3 AND 4 ABOVE FOR GATE PLAN AND ELEVATION DETAILS

19 FENCE PANEL AND DOOR
3/8" = 1'-0"

one eighth inch = one foot
0 1 2 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
2	1/28/2025	SED PERMIT AMENDMENT 01
1	12-20-2024	NYSED COMMENT REVISIONS
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ELEVATIONS AND DETAILS

PROJECT NO.: 2578-02

DRAWING NO.:

A703

GENERAL NOTES

1. ALL STRUCTURAL WORK SHALL BE COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND SHALL CONFORM TO THE PROJECT SPECIFICATIONS, INCLUDING THE NEW YORK STATE BUILDING CODE. ALL GOVERNING STANDARDS LISTED IN THESE NOTES SHALL BE THE EDITION REFERENCED IN THIS GOVERNING CODE.

2. CONTRACTOR SHALL PROVIDE TEMPORARY SHORING, BRACING, SHEETING AND MAKE SAFE ALL FLOORS, ROOFS, WALLS AND ADJACENT PROPERTY AS PROJECT CONDITIONS REQUIRE. SHORING AND SHEETING SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE PROJECT JURISDICTION HIRED BY THE CONTRACTOR WHO SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS FOR THE OWNER'S REVIEW.

3. DIMENSIONS AND ELEVATIONS OF EXISTING CONSTRUCTION GIVEN IN STRUCTURAL DRAWINGS ARE BASED ON INFORMATION CONTAINED IN VARIOUS ORIGINAL DESIGN AND CONSTRUCTION DOCUMENTS PROVIDED BY THE OWNER, AND LIMITED FIELD OBSERVATIONS AND MEASUREMENTS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION PERTAINING TO EXISTING CONDITIONS BY ACTUAL MEASUREMENT AND OBSERVATION AT THE SITE. ALL DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THOSE SHOWN IN THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ENGINEER OF RECORD FOR EVALUATION BEFORE THE AFFECTED CONSTRUCTION IS PUT IN PLACE.

4. THE CONTRACT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY. THESE NOTES HIGHLIGHT RATHER THAN REPLACE THE SPECIFICATIONS CONTAINED IN THE PROJECT MANUAL. CONTRACTOR SHALL NOTIFY THE ARCHITECT AND ENGINEER OF ANY CONFLICTS FOR GUIDANCE.

FOUNDATIONS

1. BUILDING FOUNDATIONS SHALL BEAR ON UNDISTURBED SOIL HAVING MINIMUM BEARING CAPACITY OF 4000 PSF BASED ON INFORMATION IN THE CARLIN–SIMPSON GEOTECH REPORT DATED APRIL 18TH 2024. ADEQUACY OF BEARING STRATUM SHALL BE VERIFIED IN FIELD PRIOR TO PLACING CONCRETE. ALL NECESSARY ADJUSTMENTS TO THE BOTTOM OF FOOTINGS TO BE REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.

2. DO NOT PLACE BACKFILL AGAINST BASEMENT WALLS UNTIL ALL FLOORS BRACING THESE WALLS ARE IN PLACE AND HAVE ATTAINED THEIR 28 DAY STRENGTH.

3. ALL EXTERIOR FOOTINGS SHALL BE PLACED A MINIMUM OF 3'–6" BELOW FINAL GRADE.

4. CONCRETE SHALL BE POURED IN DRY EXCAVATIONS.

CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE FOLLOWING GOVERNING STANDARDS.
   A. AMERICAN CONCRETE INSTITUTE (ACI) "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (ACI 318).
   B. ACI "MANUAL OF CONCRETE PRACTICE" LATEST EDITION
   C. CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE".

2. ALL CONCRETE COMPOSITE ON METAL DECK SHALL BE LIGHT WEIGHT CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED.

3. ALL OTHER CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED.

4. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60 OR A775 EPOXY COATED WHEN CALLED OUT ON PLAN. REINFORCING STEEL SHALL BE DETAILED ACCORDING TO THE ACI "DETAILS AND DETAILING OF REINFORCEMENT", (ACI 315), LATEST EDITION.

5. WELDED WIRE REINFORCEMENT SHALL CONFORM TO ASTM A1064, WITH A MINIMUM YIELD STRENGTH OF 65,000 PSI.

6. REINFORCING STEEL TO BE WELDED TO CONFORM TO ASTM A706 GRADE 60.

7. COORDINATE SIZE AND LOCATION OF ALL OPENINGS AND PIPE SLEEVES WITH ALL OTHER DISCIPLINES. MINIMUM CONCRETE BETWEEN SLEEVES SHALL BE 6".

8. ALL GROUT SHALL BE NONSHRINK WITH A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI.

9. MINIMUM CONCRETE COVER FOR REINFORCING STEEL IN CAST–IN–PLACE NON–PRESTRESSED MEMBERS SHALL BE AS FOLLOWS:
   A. ALL CONCRETE CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND: 3"
   B. ALL CONCRETE EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
      a. 2" (#6 THROUGH #18 BARS)
      b. 1½" (#5 BAR, W31 OR D31 WIRE, AND SMALLER)
   C. NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
      a. SLABS, JOISTS, AND WALLS:
         • 1½" (#14 THROUGH #18 BARS)
         • ¾" (#11 BAR AND SMALLER)
      b. BEAMS, COLUMNS, PEDESTALS, AND TENSION TIES (STIRRUPS, TIES, SPIRALS, HOOPS, AND PRIMARY REINFORCEMENT): 1½"

10. SHOP DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL. NO CONCRETE WORK SHALL COMMENCE WITHOUT APPROVED SHOP DRAWINGS.

11. CLEAN AND ROUGHEN TO ¼" AMPLITUDE ALL EXISTING CONCRETE SURFACES TO RECEIVE NEW CONCRETE PRIOR TO PLACEMENT.

12. SEE OTHER DRAWINGS IN THIS PROJECT FOR SIZE AND LOCATIONS OF EQUIPMENT PADS, INSERT AND EMBED ITEMS.

13. REINFORCING DOWELS, WATERSTOPS AND OTHER EMBED ITEMS SHALL BE INSTALLED AND SECURED PRIOR TO CONCRETE PLACEMENT. "WET–SETTING" OF EMBEDDED ITEMS IS NOT PERMITTED.

14. WELDED WIRE REINFORCEMENT IN COMPOSITE CONSTRUCTION SHALL HAVE TENSION SPLICES AND BE ANCHORED AT DISCONTINUOUS EDGES.

CONCRETE BLOCK

1. ALL CONCRETE BLOCK WORK SHALL CONFORM TO THE "NATIONAL CONCRETE MASONRY ASSOCIATION TEK MANUAL FOR DESIGN AND CONSTRUCTION OF CONCRETE MASONRY," LATEST EDITION AND "ACI 530–BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES".

2. CONCRETE BLOCK SHALL BE OF LIGHTWEIGHT AGGREGATE AND CONFORM TO THE FOLLOWING STANDARDS: SOLID/HOLLOW BLOCK: ASTM C90.

NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY UNIT, PSI	NET AREA COMPRESSIVE STRENGTH OF MASONRY ASSEMBLY, F'm, PSI USING TYPE S MORTAR
1900	1500
2800	2000
3750	2500
4800	3000

UNLESS OTHERWISE NOTED ON PLANS AND/ OR ELEVATIONS, CONCRETE BLOCK UNIT STRENGTH SHALL BE 1900 PSI MIN. NOTE: CONCRETE BLOCK WITH UNIT STRENGTH HIGHER THAN 1900 PSI GENERALLY REQUIRE LONGER DELIVERY LEAD TIMES.

3. ALL MORTAR SHALL BE ASTM C270, TYPE S.

4. ALL GROUT FOR FILLING CELLS SHALL BE ASTM C 476 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI BUT NOT LESS THAN THE COMPRESSIVE STRENGTH OF THE MASONRY ASSEMBLY, F'M. WHERE GROUT CELLS DO NOT EXCEED 4" IN DIAMETER FINE GROUT SHALL BE USED.

5. ALL BLOCK DIMENSIONS INDICATED ON STRUCTURAL PLANS ARE NOMINAL DIMENSIONS.

6. ALL CONCRETE BLOCK BELOW GRADE SHALL BE FILLED SOLID WITH GROUT.

7. CONCRETE BLOCK BELOW BEAM OR TRUSS BEARING POINTS SHALL BE FILLED SOLID FOR A MINIMUM OF TWO COURSES IN DEPTH AND A MINIMUM OF 32" IN WIDTH, U.O.N.

8. INSTALL STANDARD WEIGHT LADDER JOINT REINFORCEMENT AT 16" O.C. (SPACED VERTICALLY).

9. UNLESS NOTED OTHERWISE ALL MASONRY WALLS SHALL BE REINFORCED WITH **#4@48"** O.C. VERTICAL. GROUT ALL REINFORCED CELLS SOLID. PROVIDE DOWELS TO MATCH VERTICAL REINFORCING AT FOUNDATION.

10. WHERE CMU IS SUPPORTED ON STRUCTURAL STEEL MEMBERS, PROVIDE WELDED REBAR DOWELS BETWEEN STEEL AND CMU. DOWELS TO MATCH SIZE AND SPACING OF CMU REINFORCEMENT, AND MUST PROVIDE FULL TENSION LAP SPLICE WITH CMU REINFORCEMENT. DOWELS MUST BE WELDABLE AND CONFORM TO ASTM A706, GRADE 60.

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE FOLLOWING GOVERNING STANDARDS:
   A. AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
   B. AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".
   C. AMERICAN WELDING SOCIETY (AWS D1.1) "STRUCTURAL WELDING CODE – STEEL".
   D. RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (RCSC) "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH–STRENGTH BOLTS".

2. ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:
   A. WIDE FLANGE BEAMS, COLUMNS AND STRUCTURAL TEES: ASTM A992.
   B. HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE C.
   C. STRUCTURAL PIPE SECTIONS: ASTM A53, GRADE B.
   D. CHANNELS, ANGLES AND PLATES: ASTM A36 UNLESS OTHERWISE NOTED.
   E. BOLTED CONNECTIONS SHALL BE PER ASTM F3125, GRADES ARE TO BE SELECTED AS FOLLOWS:
      a. STANDARD BEAM TO BEAM/GIRDER: ASTM F3125, GRADES A325, F1852, A490 OR F2280 BOLTS IN SNUG–TIGHTENED JOINTS (⅞" DIAMETER MINIMUM WITH HARDENED WASHERS).
      b. BEAM/GIRDER TO COLUMN CONNECTIONS, COLUMN SPLICES AND BOLTS EXPERIENCING TENSION LOADS (UNLESS OVERSIZED OR SLOTTED HOLES ARE USED, IN WHICH CASE SLIP–CRITICAL JOINTS SHALL BE USED): ASTM F3125, GRADES A325, F1852, A490 OR F2280 BOLTS IN PRETENSIONED JOINTS (⅞" DIAMETER MINIMUM WITH HARDENED WASHERS).
      c. MOMENT CONNECTIONS AND BRACED FRAME CONNECTIONS: ASTM F3125, GRADES A325, F1852, A490 OR F2280 BOLTS IN SLIP CRITICAL JOINTS (⅞" DIAMETER MINIMUM WITH HARDENED WASHERS). FAYING SURFACES SHALL BE CLASS A UNLESS OTHERWISE NOTED.
      d. PER AISC 341, ALL BOLTS SHALL BE INSTALLED AS PRETENSIONED HIGH STRENGTH BOLTS AND MEET THE REQUIREMENTS FOR SURFACE PREPARATION FOR SLIP CRITICAL CONNECTIONS WITH CLASS A SLIP COEFFICIENT OR HIGHER. THE AVAILABLE SHEAR STRENGTH OF BOLTED JOINTS USING STANDARD HOLES SHALL BE CALCULATED AS THAT FOR BEARING TYPE JOINTS.
   F. ANCHOR RODS: ASTM F1554, GRADE 36.

3. STEEL CONNECTION SHALL BE STANDARD AISC FRAMED BEAM CONNECTIONS, AND SHALL BE SELECTED OR COMPLETED BY AN EXPERIENCED STEEL DETAILER, UTILIZING ASD LOADS AND PROCEDURES.
   A. UNLESS OTHERWISE NOTED ON PLAN, PROVIDE CONNECTIONS BASED ON MINIMUM SHEAR CAPACITY REQUIREMENTS IN THE FOLLOWING TABLE.
   B. REINFORCING IS TO BE PROVIDED AT CONNECTIONS WHERE CUTS REDUCE THE SHEAR OR MOMENT CAPACITY BELOW THAT REQUIRED TO SUSTAIN THE REACTION. FLANGES AND WEB ARE TO BE REINFORCED WHERE THE LOCAL CAPACITY TO SUSTAIN CONNECTION LOAD IS INADEQUATE.
   C. CONNECTIONS SHALL BE DESIGNED FOR SHEAR AND ECCENTRICITY, CONSIDERING THAT THE CONNECTION IS AN EXTENSION OF THE BEAMS AND GIRDERS.

4. MINIMUM WELD SIZE IS ¼" FILLET UNLESS NOTED OTHERWISE.

5. ALL BEAMS EXCEPT CANTILEVER BEAMS SHALL BE FABRICATED AND INSTALLED WITH NATURAL CAMBER UP. CANTILEVER BEAMS SHALL BE FABRICATED AND INSTALLED SO THAT NATURAL CAMBER RAISES CANTILEVER END.

6. FIELD CUTTING OR BURNING OF STEEL IS PROHIBITED EXCEPT WITH THE EXPRESSED WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD (IN WHICH CASE ALL BURNING OF STEEL MUST CONFORM TO THE THERMAL CUTTING REQUIREMENTS OF AISC AND AWS).

7. WELDING SHALL BE PERFORMED BY CERTIFIED LICENSED, AWS–QUALIFIED WELDERS. WELDING ELECTRODES FOR CARBON STEEL SHALL BE AWS 5.1, CLASS E70XX. FOR ASTM A572 GRADE 50 KSI PLATE USE ELECTRODE E7018 OR APPROVED EQUAL. WELDING ELECTRODES FOR ASTM A276 STAINLESS STEEL, TYPE 304, SHALL CONFORM TO AWS A5.4 FOR SHIELDED METAL ARC WELDING, ELECTRODE CLASS E308; OR AWS A5.9 FOR GAS METAL ARC WELDING, ELECTRODE CLASS ER308. WELDING ELECTRODES FOR ASTM A276 TYPE 316L STAINLESS STEEL SHALL CONFORM TO AWS A5.4 FOR SHIELDED METAL ARC WELDING, ELECTRODE CLASS E316; OR AWS A5.9 FOR GAS METAL ARC WELDING, ELECTRODE CLASS ER316. WELDING ELECTRODES FOR JOINING STAINLESS STEEL TO CARBON STEEL SHALL CONFORM TO ELECTRODE CLASS E309/ER309.

8. SHOP PAINT EXTERIOR EXPOSED STEEL MEMBERS, STEEL MEMBERS NOT ENCASED IN CONCRETE OR SPRAY FIREPROOFED, AND ALL STEEL MEMBERS AT THE EXTERIOR WALL WITH TNEMEC #10–99 OR APPROVED EQUAL (EXCEPT FOR MEMBERS TO BE HOT–DIP GALVANIZED).

9. HOT–DIP GALVANIZING SHALL CONFORM TO ASTM A123, REPAIR SCRATCHES OR ABRADED GALVANIZED SURFACE WITH ZINC RICH PAINT. ALL EXTERIOR EXPOSED STEEL AND STEEL SUPPORTING EXTERIOR SHALL BE HOT–DIP GALVANIZED.

10. LINTELS SHALL BE INSTALLED OVER ALL OPENINGS IN MASONRY WALLS AS FOLLOWS:

MASONRY OPENING	LINTEL
4'–0" OR LESS	L4x3½x5/16 LLV
4'–1" TO 7'–0"	L6x3½x5/16 LLV

   A. 3½" LEGS ARE HORIZONTAL.
   B. PROVIDE ONE ANGLE FOR EACH 4" OF WALL THICKNESS.
   C. PROVIDE LONGER ANGLES FOR 6" THICK WALLS AND PARTITIONS WITH OPENINGS UP TO 6'–0".
   D. PROVIDE MINIMUM 6" BEARING AT EACH END.
   E. LINTELS OVER 6'–4" SHALL BE FIREPROOFED.

11. SHOP AND ERECTION DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL. NO FABRICATION OF STEEL SHALL COMMENCE WITHOUT APPROVED SHOP DRAWINGS.

12. PROVIDE MECHANICALLY GALVANIZED BOLTS FOR EXTERIOR APPLICATIONS.

STEEL DECKING

1. STEEL DECKING WORK SHALL CONFORM TO THE AISI "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD–FORMED STEEL STRUCTURAL MEMBERS".

2. STEEL DECKING UNITS AND ACCESSORY ITEMS SHALL BE FORMED FROM STEEL SHEETS CONFORMING TO ASTM A1008 OR A653 WITH A MINIMUM YIELD STRENGTH OF 33,000 PSI. BEFORE FORMING, THE STEEL SHEET SHALL RECEIVE A HOT DIP GALVANIZED COATING CONFORMING TO ASTM A653, GRADE 90.

3. STEEL DECKING SHALL BE SHORED AS REQUIRED BY PLANS OR BY SPAN AND LOAD CONDITIONS TO SUPPORT WET WEIGHT OF CONCRETE AND ALL CONSTRUCTION LOADS.

4. THE SIDE LAPS OF ADJACENT UNITS SHALL BE FASTENED BY APPROVED METHOD (TO BE SHOWN ON SHOP DRAWINGS) BETWEEN SUPPORTS, AT INTERVALS TO PROVIDE SUFFICIENT DIAPHRAGM STRENGTH TO MAINTAIN BUILDING ALIGNMENT AND TO SUSTAIN LOCAL CONSTRUCTION LOADS WITHOUT DISTORTION OR SEPARATION, MAXIMUM SPACING SHALL BE 3'–0" BETWEEN SUPPORT BEAMS. END LAPS OF SHEETS SHALL BE A MINIMUM OF 2 INCHES.

5. EXCEPT AS OTHERWISE NOTED, DECK SHALL BE ATTACHED TO STRUCTURAL STEEL BY 3/4¶ FUSION WELDS @12"O.C.. AT END AND INTERIOR SUPPORTS PERPENDICULAR TO THE DECK SPAN AND AT EDGE AND INTERIOR SUPPORTS PARALLEL TO THE DECK SPAN. WELDS MAY BE OMITTED IN RIBS IN WHICH SHEAR CONNECTORS ARE TO BE APPLIED, EXCEPT THAT EACH DECK SECTION SHALL HAVE SUFFICIENT WELDS TO ADEQUATELY SECURE THE DECK, BRING THE DECK INTO DIRECT CONTACT WITH THE SUPPORTING STEEL AND TO PROVIDE SUFFICIENT DIAPHRAGM STRENGTH TO MAINTAIN BUILDING ALIGNMENT.

6. AS AN ALTERNATE TO PUDDLE WELDS FOR STEEL DECK ATTACHMENT TO STRUCTURAL STEEL, HILTI X–HSN–24 OR X–ENP–19 POWDER ACTUATED FASTENERS, OR AN APPROVED EQUAL, WITH EQUIVALENT OR GREATER CAPACITY TO THE SPECIFIED ATTACHMENT MAY BE USED. THE CONTRACTOR SHALL SUBMIT, ALTERNATIVE FASTENING PATTERN AND CALCULATIONS OR SUPPORTING MANUFACTURER DATA PROVING THAT GREATER OR EQUAL CAPACITY IS ACHIEVED, TO THE ENGINEER OF RECORD PRIOR TO INSTALLATION FOR REVIEW AND APPROVAL.

7. POWDER ACTUATED FASTENERS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL BE CERTIFIED AND TRAINED BY THE MANUFACTURER'S REPRESENTATIVE ON PROPER USE PRIOR TO INSTALLATION.

8. PRIOR TO FABRICATION, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE STEEL DECKING, SHOWING DECK GAUGE, SIZE AND LAYOUT AS WELL AS CLOSURE CONDITIONS, WELDS TO SUPPORTS AND SIDE LAP DETAILS.

9. ALL REINFORCED OPENINGS IN STEEL DECK SHALL BE INSTALLED BY STEEL DECK SUBCONTRACTOR. STEEL DECK SUBCONTRACTOR TO PROVIDE REINFORCING AS PER TYPICAL DETAILS.

10. AT STEEL DECK WITHOUT CONCRETE FILL THE FOLLOWING MAY BE ATTACHED WITHOUT SPECIFIC APPROVAL OF THE STRUCTURAL ENGINEER: ACOUSTICAL TILE AND GYPSUM BOARD CEILING ONLY; NO PIPING, DUCTING OR CONDUIT. MAXIMUM CEILING WEIGHT – 3.5 PSF. MAXIMUM WIRE HANGER LOAD = 60#.

11. WHERE SUSPENSION OF HANGER WIRES ARE REQUIRED BY OTHERS, VERIFY AND COORDINATE LOCATIONS, PATTERNS, SPACING, ETC. WITH THE APPROPRIATE TRADE. DRILL OR PUNCH HOLES AT BOTTOM OF DECK FLUTES OF SUFFICIENT SIZE TO PASS SUPPORT WIRES. WIRE SUPPORTS SHALL BE LOOPED AND SECURED WITH A MINIMUM OF THREE (3) TIGHT TURNS AROUND A MINIMUM 1½"x12" LONG FURRING CHANNEL OR NO. 3x12" LONG REINFORCING BAR CENTERED ABOVE THE HOLE AND LAID IN THE DECK FLUTES.

SPECIAL INSPECTIONS

1. INSPECTIONS REQUIRED BY THE LOCAL JURISDICTION SHALL BE PERFORMED BY A TESTING AGENCY PROVIDED BY THE OWNER FOR THE FOLLOWING ITEMS:
   A. INSPECTION OF FABRICATORS (IBC 1704.2.5)
   B. STEEL CONSTRUCTION (IBC 1705.2)
      i. STRUCTURAL STEEL (IBC 1705.2.1)
         1. STRUCTURAL STEEL WELDING (AISC 360, AWD D1.1)
         2. HIGH STRENGTH BOLTS (AISC 360)
      ii. STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL
         1. COLD FORMED STEEL DECK (IBC 1705.2.2)
   C. CONCRETE CONSTRUCTION (IBC 1705.3, TABLE 1705.3)
      i. MATERIALS TESTS (IBC 1705.3.2, TABLE 1705.3)
      ii. POST–INSTALLED ANCHORS (IBC TABLE 1705.3, ACI 318 CHAPTER 17)
   D. MASONRY CONSTRUCTION (IBC 1705.4, ACI 530 AND ACI 530.1 LEVEL B QUALITY ASSURANCE)
   E. SOILS (IBC 1705.6 TABLE 1705.6)

2. STRUCTURAL OBSERVATIONS REQUIRED BY THE LOCAL JURISDICTION AND IBC 1704.5 SHALL BE PERFORMED BY A REGISTERED DESIGN PROFESSIONAL PROVIDED BY THE OWNER. STRUCTURAL OBSERVATIONS SHALL BE THE VISUAL OBSERVATION OF THE STRUCTURAL SYSTEM FOR GENERAL CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS.

3. TESTING AGENCY FOR THE INSPECTIONS SHALL FILE ALL APPROPRIATE FORMS WITH THE BUILDING DEPARTMENT.

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEEROLA
CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
3	3/07/2025	SED PERMIT AMENDMENT 02
2	1/28/2025	SED PERMIT AMENDMENT 01
1	6/5/2024	ISSUED TO SED FOR PERMIT

STATE OF NEW YORK
NATHANIEL LIRA DIPPENAAR
93668
LICENSED PROFESSIONAL ENGINEER

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

GENERAL NOTES

PROJECT NO.: 2578-02 SCALE:

DRAWING NO.:

S-001.00

SILMAN NO.: 30107

one eighth inch = one foot
0 4 8 16

PEARL RIVER PUBLIC LIBRARY

80 FRANKLIN Ave.
PEARL RIVER, NY 10965

BUILDING RENOVATION AND ADDITION

ALTERNATE 3 - SECOND FLOOR SHELL SPACE

LIST OF DRAWINGS MODIFIED FOR ALTERNATE 3

A000	COVER SHEET

CIVIL ENGINEER DRAWINGS

ASBESTOS ABATEMENT DRAWINGS

ARCHITECTURAL DRAWINGS

A000	COVER SHEET
A001	NOTES AND LEGENDS
A002	NOTES AND LEGENDS
A003	NOTES AND LEGENDS
A051	FIRST FLOOR EGRESS PLAN
A052	SECOND FLOOR EGRESS PLAN
A102	SECOND FLOOR DEMOLITION PLAN
A103.3	HIGH ROOF DEMOLITION PLAN
A111.1	FIRST FLOOR CONSTRUCTION PLAN
A111.2	FIRST FLOOR DIMENSION PLAN
A113.1	SECOND FLOOR CONSTRUCTION PLAN
A113.2	SECOND FLOOR DIMENSION PLAN
A114.3	HIGH ROOF CONSTRUCTION PLAN
A121	FIRST FLOOR REFLECTED CEILING PLAN
A123	SECOND FLOOR HIGH REFLECTED CEILING PLAN
A132	SECOND FLOOR FINISH PLAN
A135	FINISH PLAN LAYOUT DIMENSIONS
A141	FIRST FLOOR FURNITURE AND EQUIPMENT PLAN
A142	SECOND FLOOR FURNITURE AND EQUIPMENT PLAN
A151	FIRST FLOOR POWER AND TELEPHONE LOCATION PLAN
A152	SECOND FLOOR POWER AND TELEPHONE LOCATION PLAN
A201	EXTERIOR ELEVATIONS
A602	ELEVATIONS AND DETAILS
A603	ELEVATIONS AND DETAILS
A701	CIRCULATION DESK DETAILS
A702	ELEVATIONS AND DETAILS
A703	ELEVATIONS AND DETAILS

STRUCTURAL DRAWINGS

PLUMBING DRAWINGS

SPRINKLER DRAWINGS

ELECTRICAL DRAWINGS

MECHANICAL DRAWINGS

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT|AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
1	02-28-2025	ALTERNATE 3

PEARL RIVER
PUBLIC LIBRARY
80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3

COVER PAGE

PROJECT NO.: 2578-02

DRAWING NO.: ALTERNATE 3
A000

one eighth inch = one foot
0 4 8 16

EXISTING AND DEMOLITION TAG LEGEND

D00 DEMOLISH AREA OF WORK TO BASE BUILDING CONDITION. BASE BUILDING SHALL MEAN THE FOLLOWING:

1. EXPOSE FLOORS TO THE SLAB AND SCRAPED CLEAN OF GLUES AND OTHER REMAINING MATERIAL;
2. REMOVE ACOUSTICAL CEILING TILE, GRID AND EXPOSE THE STRUCTURE ABOVE. COORDINATE PRIMARY DISTRIBUTION OF MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS WITH MEP DRAWINGS
3. COORDINATE SECURITY AND FIRE ALARM SYSTEMS WITH MEP DRAWINGS
4. REMOVE UNUSED WIRING SHALL BACK TO THE ELECTRICAL PANEL.
5. REFERENCE MEP DEMOLITION DRAWINGS FOR PLUMBING AND MECHANICAL FIXTURES TO BE REMOVED.

D01	REMOVE COLD JOINT FILLER (HOMASOTE) AND CLEAN REMAINING DEBRIS TO ACCOMMODATE NEW WATERPROOFING WORK.
D02	REMOVE COLUMN ENCLOSURE.
D03	REMOVE METAL STAIR AND ASSOCIATED ELEMENTS
D04	REMOVE MILLWORK.
D05	REMOVE INTERIOR GYPSUM WALLBOARD AND OTHER ELEMENTS TO EXPOSE METAL STUDS AROUND ENTIRE INTERIOR BUILDING PERIMETER. (INCLUDING CLERESTORY LEVEL AND SECOND FLOOR)
D06	(UNUSED)
D07	(UNUSED)
D08	REMOVE WINDOW FRAME, HARDWARE AND ASSOCIATED ELEMENTS.
D09	(UNUSED)
D10	REMOVE STRUCTURAL STEEL BEAM IN THIS AREA – SEE STRUCTURAL DRAWINGS
D11	(UNUSED)
D12	REMOVE GLASS AND ALUMINUM OFFICE FRONT PARTITION.
D13	REMOVE MASONRY BLOCK AND STONE WALL
D14	(UNUSED)
D15	REMOVE AUTOMATIC SLIDING OFFICE FRONT DOORS AND SIDELIGHTS
D16	REMOVE MASONRY CHIMNEY ENTIRELY FROM FLOOR THROUGH THE ROOF
D17	REMOVE BRICK AND METAL STUD WALL ASSEMBLY FOR NEW OPENING.
D18	REMOVE SUSPENDED ACOUSTICAL BAFFLES.
D19	REMOVE METAL STUD AND GYPSUM BOARD SOFFIT AND EXTENDED STEEL SUPPORTS TO THE INTERIOR OF THE EXISTING WALL.
D20	REMOVE GYPSUM BOARD CEILING, HANGERS LIGHTS AND ASSOCIATED ELEMENTS.
D21	REMOVE CONCRETE SLAB ASSEMBLY IN THIS AREA
D22	REMOVE EXISTING CORNERSTONE AND STORE FOR REINSTALLATION
D23	REMOVE TRELLIS, COLUMNS AND ASSOCIATED ELEMENTS NOT INTENDED FOR REUSE.
D24	REMOVE ROOF MEMBRANE, COVER BOARD, AND INSULATION THROUGHOUT LOW, MID, AND UPPER ROOF MATERIAL TO THE METAL DECK.
1 D25	OMIT
D26	REMOVE EXTERIOR DOOR AND SIDELIGHTS TO ACCOMMODATE NEW WORK
D27	REMOVE ROOF DRAINS AND LEADERS.
D28	(UNUSED)
D29	SEE MECHANICAL DRAWINGS FOR REMOVAL OF EQUIPMENT. REMOVE METAL ROOF SLEEVE AND TEMPORARILY COVER OPENING.
D30	SAWCUT AND REMOVE SLAB TO ACCOMMODATE NEW ELEVATOR
D31	SAWCUT AND REMOVE SLAB FOR NEW BELOW SLAB PIPING OR CONDUIT
D32	(UNUSED)
D33	REMOVE TREE TO ACCOMMODATE NEW WORK. SEE CIVIL ENGINEERING DRAWINGS FOR ADDITIONAL INFORMATION.
D34	REMOVE EXPOSED OPEN WEB JOISTS IN THIS BAY.
D35	EXISTING EXPOSED PIPES TO REMAIN
D36	REMOVE EXISTING SKYLIGHT AND ASSOCIATED ELEMENTS TO ACCOMMODATE THE NEW WORK
D37	(UNUSED)

⟐⟐⟐⟐ – REMOVE INTERIOR PARTITIONS

▨ – INTERIOR PARTITION TO REMAIN

EXISTING AND DEMOLITION TAG LEGEND

D38	REMOVE PORTION OF ROOF, STRUCTURE AND OVERHANG TO ACCOMMODATE STAIR TOWER
D40	(UNUSED)
D41	(UNUSED)
D37	APPROXIMATE LOCATION OF BELOW SLAB PIPING
D38	AREA OF PROPOSED STAIR. REMOVE STRUCTURE, ROOF CEILINGS AND OTHER ELEMENTS TO ACCOMMODATE THE WORK FOR THE NEW STAIR.
D39	(UNUSED)
D40	EXISTING ROOF OVERHANG: REMOVE UNDERSIDE OF SOFFIT PLYWOOD TO GAIN ACCESS TO NEW WORK. REMOVE EXISTING EXTERIOR SOFFIT LIGHTING. RETAIN EXISTING FASCIA. SEE ROOF PLANS FOR ADDITIONAL WORK AND INFORMATION
D41	EXISTING TRELLIS TO REMAIN
D42	EXISTING EXTERIOR SOFFIT TO REMAIN IN THIS AREA
D43	CORE DRILL FOR CONDUIT PENETRATION.

CONSTRUCTION TAG LEGEND

C1	CLEAN AND PREPARE CONCRETE SUBSTRATE FOR FLOOR INSTALLATION. FLASH PATCH AND LEVEL FLOOR TO ACHIEVE FLOOR MANUFACTURERS LEVELING REQUIREMENTS.
C2	PROVIDE JOINT FILLER IN EXISTING COLD JOINT. 16–A406
C3	CEILING–HUNG PARTITIONS – SEE CEILING DETAIL DRAWINGS
C4	PROVIDE STEEL LOOSE LINTEL FOR BRICK MASONRY AND METAL STUD BOX BEAM HEADER FOR NEW OPENING.
C5	SOFFIT AT CLERESTORY PERIMTER 4–A702
C6	ADJUSTABLE SHELVING BRACKETS AND SHELVES. 16–A618
C7	(UNUSED)
C8	(UNUSED)
C9	FRAME AND FINISH NEW COLUMN ENCLOSURE. SEE DETAIL 9–A702
C10	(UNUSED)
C11	NEW CONCRETE FILLED METAL PAN STAIR WITH HAND RAILS AND GUARD RAILS.
C12	(UNUSED)
C13	(UNUSED)
C14	(UNUSED)
C15	(UNUSED)
C16	NEW CURVED ENTRANCE CANOPY. 8+19–A407
C17	(UNUSED)
C18	PROVIDE COPPER CAPS AT EXISTING COLUMNS – 19–A406 (SIMILAR)
C19	REPOINT EXISTING BRICK WALLS AND COLUMN ENCLOSURES.
C20	BRICK CLAD COLUMN TO MATCH EXISTING – 19–A406
C21	MILLWORK BASE CABINETS WITH PLASTIC LAMINATE COUNTERTOP.
C22	NEW UPLIT, POST MOUNTED, 12" HIGH, 3D BLOCK LETTER SIGN. STANDOFF MINIMUM 6 INCHES FROM ROOF. SEE SIGN DETAILS.
C23	MILLWORK PANEL DOOR TRACK SYSTEM – 12–A620
C24	MOTORIZED MOVEABLE PARTITION. BASIS OF DESIGN MODERNFOLD. FABRIC UPOLSTERED – 4–A616
C25	MANUAL MOVEABLE BI–FOLD PARTITION AND CUSTOM ENCLOSURE. BASIS OF DESIGN MODERNFOLD
C26	PATCH AND WATERPROOF FOUNDATION AT CONDUIT PENETRATION
C27	PROVIDE SLAB WITH RECESS FOR AUTOMATED DOOR TRACK. 6–A406
C28	RECESSED WALK OFF MAT (WOM) – 17–A406
C29	6" THICK HOUSEKEEPING PAD. COORDINATE PAD SIZE WITH FINAL EQUIPMENT.
C30	INFILL AND LEVEL SLAB TO MATCH EXISTING SLAB HEIGHT. PREPARE FOR NEW FLOORING. SEE STRUCTURAL DRAWINGS.
C31	INSTALL NEW RECESSED WALK OFF MAT, REFER TO MANUFACTURE INSTALLATION REQUIREMENTS – 17–A406
C32	ROUTE CONCRETE SLAB FOR NEW SLIDING DOOR TRACK (HAWA APERTO SYSTEM). 12–A620
C33	PAINTED WOOD WINDOW SILLS (ALL INTERIOR SILLS TYPICAL UNLESS OTHERWISE NOTED) 5–A702

CONSTRUCTION SYMBOLS LEGEND

1H	WALL TYPE 1H – 1 HOUR FIRE RATED PARTITION – 3–A631 AT 14–A361 IN AREAS WITH BAR JOISTS
2H	WALL TYPE 2H – 2 HOUR FIRE RATED PARTITION – 1–A631
CH	WALL TYPE CH – CHASE WALL – 5–A631
E	WALL TYPE E – EXISTING WALL. REFINISH AND REPAIR TO MATCH NEW WALL FINISHES
FH	WALL TYPE FH – FULL HEIGHT 3–5/8" STUD WALL – 4–A631
FH6	WALL TYPE FH6 – FULL HEIGHT 6" STUD WALL TYPE 2 – 4–A631
FR	WALL TYPE FR – FURRED WALL – 8–A631
FRX	WALL TYPE FRX – FURRED WALL EXTERIOR – FUR AND INSULATE EXTERIOR WALLS AT FIRST FLOOR AND CLERESTORY LEVEL AND SECOND FLOOR – 10–A631 INTEGRATE WALL INSULATION WITH WINDOW SYSTEM AND UNDERSIDE OF DECK SPRAY FOAM INSULATION TO FORM A COMPLETE AND CONTINUOUS INSULATION AND AIR BARRIER.
IF	WALL TYPE IF – INFILL WALL – INFILL EXISTING OPENING WITH WALL CONSTRUCTION, FIRE RATING AND FINISHES TO MATCH ADJACENT EXISTING WALLS.
L	WALL TYPE L – LAMINATED WALL – 9–A631
SW1	WALL TYPE SW1 – 1 HR RATED SHAFT WALL
OF1	WALL TYPE OF1 – OFFICE FRONT TYPE 1 (11'–8"± HIGH) – 20–A702
OF2	WALL TYPE OF2 – OFFICE FRONT TYPE 2 (8'–0"± HIGH) – 19–A702
OF3	WALL TYPE OF3 – OFFICE FRONT TYPE 3 (WITH WINDOW) – 18–A702
OF4	WALL TYPE OF4 – ENTRANCE FRONT WINDOW SYSTEM 17–A406 (AT WINDOW WALL)
OF5	WALL TYPE OF5 – INTERIOR WINDOW OFFICE FRONT 5–A632
SW1	WALL TYPE SW1 – ONE HOUR RATED SHAFT WALL – 2–A631
1 W6	OMIT
W7	WALL TYPE W7 – 8'–0" HEIGHT WALL WITH 6 INCH STUDS

CONSTRUCTION SYMBOLS LEGEND

▨	EXISTING PARTITION TO REMAIN
═══	NEW PARTITION
▩	SHADED AREA DENOTES MILLWORK – PROVIDE CONCEALED BLOCKING FOR WALL MOUNTED MILLWORK
101	ROOM NUMBER DESIGNATIONS (SHOWN ON FURNITURE PLANS ONLY)
IFP	INSULATED FOUNDATION PANEL – CLEAR CORPORATION "WALL GUARD" WWW.TCLEAR.COM 800–544–7398
FE	WALL MOUNTED FIRE EXTINGUISHER – 10 LB ABC FIRE EXTINGUISHER
FEC	RECESSED FIRE EXTINGUISHER – 10 LB ABC FIRE EXTINGUISHER
AHU	AIR HANDLER UNIT – SEE ENGINEERING DRAWINGS
AFF	ABOVE FINISH FLOOR
DS	DOWNSPOUT
FD	FLOOR DRAIN
FDC	FREE STANDING FIRE DEPARTMENT CONNECTION
FEC	RECESSED FIRE EXTINGUISHER CABINET WITH 10LB ABC FIRE EXTINGUISHER – 17–A631
FO	FINISHED OPENING
FPS	FIRE PULL STANCHION 18+19–A631
HP	HIGH POINT
OFRD	OVERFLOW ROOF DRAIN 4–A403
OH	OPPOSITE HAND
RD	ROOF DRAIN (4–A403 TYPICAL FOR NEW CONDITIONS)
RO	ROUGH OPENING

MILLWORK PULLS, GROMMETS AND BRACKETS

PULLS: DOUG MOCKETT AND COMPANY INC. DP128 SERIES – ROUND TOP DRAWER PULL, 6 11/16" LONG, 13/32" DIAMETER, 1 13/32" PROJECTION, 6 5/16" (160 MM) ON CENTER. FINISHES: SATIN STAINLESS STEEL, SATIN NICKEL, MATTE CHROME, MOCKETT.COM 800–623–I 1269

GROMMETS (A) – DOUG MOCKETT AND COMPANY INC. XG FLIP–TOP SERIES – 3" HOLE DESK GROMMET WITH FLIP–TOP CORD SLOT COVER. COLOR: MATTE BLACK MOCKETT.COM 800–623–I1269

GROMMETS (B) – DOUG MOCKETT AND COMPANY INC. RG3 – RECTANGULAR FLIP–TOP GROMMET SET WITH CAP AND LINER 4"x2" (ROUTED SLOT 3–3/4"x1–3/4") COLOR: MATTE BLACK. MOCKETT.COM 800–623–I1269

MILLWORK SUPPORT BRACKET – BASIS OF DESIGN: A+M HARDWARE MILLWORK SUPPORT BRACKETS. 1/8" STEEL BRACKETS 21x21 FOR 24 INCH DEEP COUNTERS AND ADJUSTED FOR OTHER COUNTER DEPTHS (3 INCHES FROM EDGE TYPICAL.) COLOR BLACK. 48 INCHES MAXIMUM SPACING AND CONNECTED DIRECTLY TO WALL STUDS OR BLOCKING

SYMBOL LEGEND

◁0035	PHOTO TAG – SEE PHOTO BOOK FOR IMAGE. NUMBERS CORRESPOND TO THE END OF THE FILE NAME

METAL GUARD RAIL NOTES AND DATA

WIRE MESH: BASIS OF DESIGN: McNICHOLS SQUARE, STAINLESS STEEL, TYPE 304, WELDED – UNTRIMMED, 1.0000" X 1.0000" OPENING (SQUARE), 0.120" THICK (11 GAUGE) WIRE DIAMETER, 80% OPEN AREA

EDGE PANELS WITH U–SHAPED CHANNELS MADE FROM METAL SHEET, NOT LESS THAN 0.043 INCH THICK. PAINT U–SHAPED CHANNELS TO MATCH GUARDRAIL. GRIND WELDS SMOOTH OR USE OTHER APPROVED CONNECTIONS.

PLUMBING TAG LEGEND

S1	SINK TYPE 1 – COMMUNITY ROOM – 13X17 VOLLRATH STAINLESS STEEL ADA COMPLIANT SINK AND WALL MOUNTED FAUCETS MODEL: PUREST BY KOHLER
S2	SINK TYPE 2 – CHILDREN'S PROGRAM ROOM – SOPHSTONE PREFAB SERIES: SCOOP 14' CUSTOM WALL MOUNTED SINK WITH 3 ADA COMPLIANT WALL MOUNTED FAUCETS MODEL: PUREST BY KOHLER
S3	SINK TYPE 3 – SLOP SINK AND FAUCET – SEE ENGINEERING DRAWINGS
S4	SINK TYPE 4 – STAFF ROOM – 17X21 REGENCY STAINLESS STEEL ADA COMPLIANT PANTRY SINK WITH GOOSENECK FAUCET
S5	SINK TYPE 5 – RESTROOMS – SLOAN AER–DEC WALL MOUNTED SINK AND DECK MOUNTED SLOAN AER–DEC (FAUCET,SOAP,DRYER) SYSTEM.
T0	TOILET – ADA COMPLIANT WALL MOUNTED ELONGATED TOILET WITH RECESSED FLUSHOMETER.

FIXTURES AND ACCESSORIES TAG LEGEND

TC	RECESSED TOILET COVER HOLDER – BOBRICK MODEL B–301
TP	TOILET PAPER HOLDER – BOBRICK MODEL B–3888
CH	COAT HOOK – ASI MODEL 0714
CT	RECESSED CHANGING TABLE – ASI MODEL 9013
GB2	GRAB BAR 42 – BOBRICK MODEL B–5806 SERIES
GB4	GRAB BAR 24 – BOBRICK MODEL B–5806 SERIES
GB6	GRAB BAR 36 – BOBRICK MODEL B–5806 SERIES
SD	RECESSED SANITARY NAPKIN DISPOSAL – BOBRICK MODEL B–353
M	MIRROR – ASI MODEL 0620
TD	TOWEL DISPENSER AND DISPOSAL – ASI MODEL 0469
MR	MOP/BROOM RACK – BOBRICK MODEL B223
FE	FIRE EXTINGUISHER ENCLOSURE
CH	CABINET HEATER – SEE MEP FOR INFORMATION

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
1	02-28-2025	ALTERNATE 3

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3

NOTES AND LEGENDS

PROJECT NO.: 2578-02

DRAWING NO.: ALTERNATE 3
A001

REFLECTED CEILING PLAN TAG LEGEND

	A	RECESSED INTERIOR/EXTERIOR DOWNLIGHT (SQUARE)
	B	RECESSED 2X2
	C	LINEAR WALL MOUNTED LIGHT
	D	RECESSED DOWNLIGHT (ROUND)
	E	GRID LIGHTING
F	F	PENDANT LIGHT (ROUND)
	G	PENDANT LIGHT (STRAIGHT)
	H1	PENDANT LIGHT (44" RADIUS CURVE)
	H2	PENDANT LIGHT (114" RADIUS CURVE)
	H3	PENDANT LIGHT (185" RADIUS CURVE)
J1	J1	ACOUSTIC PENDANT LIGHT (5 1/2" RADIUS)
J2	J2	ACOUSTIC PENDANT LIGHT (9" RADIUS)
	K1	GALLERY WALL WASHER (SURFACE MOUNTED, PIVOT HINGE)
	K2	GALLERY WALL WASHER (SURFACE MOUNTED)
L	L	PENDANT LIGHT (ROUND)
M	M	WALL MOUNTED FIXTURE
1		SURVEILLANCE CAMERA
		WALL MOUNTED EXIT SIGN. ARROW INDICATES DIRECTION OF EGRESS. LED EDGE LIT
		CEILING MOUNTED EXIT SIGN. ARROW INDICATES DIRECTION OF EGRESS. LED EDGE LIT
		SWITCH LOCATION – DOES INDICATE QUANTITIES 3'–9" ABOVE FINISHED FLOOR.
		SPRINKLER HEAD
		CEILING MOUNTED FIRE SIGNAL STROBE
		OCCUPANCY SENSOR
		WIFI ACCESS POINT
		SUPPLY AIR TERMINAL
		RETURN AIR TERMINAL
		LINEAR DIFFUSER
		RADIANT HEATING PANEL
		AREAS OF GYPSUM BOARD CEILING OR SOFFIT
S		ANNOUNCEMENT SPEAKER
		OCCUPANCY SENSOR
		CEILING GRID/ TILE START – MAY BE THE CENTER OF A TILE, CENTER OF A TILE EDGE OR INTERSECTION OF GRID SYSTEM.
T		THERMOSTAT
		FIRE ALARM STROBE
F		FIRE ALARM COMBINATION AUDIO/VISUAL DEVICE
F		FIRE ALARM PULL STATION
S		SMOKE DETECTOR
H		HEAT DETECTOR

R02	PATCH, REPAIR SAND AND RE–STAIN FASCIA BOARDS
R03	INSTALL EXTERIOR GRADE MDF SOFFIT BOARD. PAINT UNDERSIDE OF SOFFIT
(WTM–A)	WINDOW TREATMENT SOLAR SHADE: ROLLEASE ACMEDA EASY–LINK: DUEL FABRIC ROLLS WITH BLACKOUT, MANUALLY CHAIN OPERATED
(WTM–B)	WINDOW TREATMENT SOLAR SHADE: ROLLEASE ACMEDA EASY–LINK: SINGLE FABRIC ROLL, SEMI–OPAQUE MANUALLY CHAIN OPERATED
(WTM–C)	WINDOW TREATMENT SOLAR SHADE: ROLLEASE ACMEDA EASY–LINK: DUEL FABRIC ROLLS WITH BLACKOUT, MOTORIZED
(WTM–D)	WINDOW TREATMENT SOLAR SHADE: ROLLEASE ACMEDA EASY–LINK: SINGLE FABRIC ROLL, BLACKOUT, MOTORIZED

REFLECTED CEILING PLAN TAG LEGEND

ACT1	2X2 ACOUSTICAL CEILING – (BASIS OF DESIGN) ARMSTRONG OPTIMA 15/16" SQUARE TEGULAR SUSPENDED CEILING TILE MODEL 3354, 2' X 2' X 1" TILE FOR THE PRELUDE XL GRID SYSTEM.
1 ACT2	2X4 ACOUSTICAL CEILING – (BASIS OF DESIGN) ARMSTRONG OPTIMA 15/16" SQUARE TEGULAR SUSPENDED CEILING TILE MODEL 3354, 2' X 4' X 1" TILE FOR THE PRELUDE XL GRID SYSTEM.
ACT3	2X2 ACOUSTICAL CEILING – (BASIS OF DESIGN) ARMSTRONG SERPENTINA CEILING SYSTEM WITH 1/4" PERFORATIONS STAGGERED– ITEM NO. 1090–H–916–N/A
NC	NO CEILING – PAINT UNDERSIDE OF STRUCTURE AND DECKING PROTECT PIPING, DUCTS WIRING AND OTHER ELEMENTS FROM PAINT.
ECTR	EXISTING CEILING TO REMAIN

CH	CEILING HEIGHT ABOVE THE FINISHED SLAB
GBC	GYPSUM WALL BOARD CEILING
GBCE	GYPSUM WALL BOARD CEILING EXISTING TO REMAIN
GBS(–6)	GYPSUM WALL BOARD SOFFIT 6 INCHES LOWER THAN ADJACENT CEILING. 16–A702
GBS 71	GYPSUM WALL BOARD SOFFIT 7'–1"± (EXISTING HEIGHT) ABOVE FINISHED SLAB. 2–A404 SIMILAR
GBS 71A	GYPSUM WALL BOARD SOFFIT 7'–1"± (EXISTING HEIGHT) ABOVE FINISHED SLAB. 8–A702
GBS 84	GYPSUM WALL BOARD SOFFIT 8'–4"± ABOVE FINISHED SLAB. 16–A702 SIMILAR
GBS 96	GYPSUM WALL BOARD SOFFIT 9'–6" ABOVE FINISHED SLAB. 16–A702 SIMILAR
GBS E	GYPSUM WALL BOARD SOFFIT (EXISTING TO REMAIN)
GBS FRX	GYPSUM WALL BOARD SOFFIT (HEIGHT VARIES) 2–A404
GBS ME	GYPSUM WALL BOARD SOFFIT (MATCH EXISTING ADJACENT SOFFIT)

AP1	4' DIAMETER ACOUSTICAL LIGHT FIXTURE PANEL BY ORBIS II WITH OUTER ACRYLIC RING PENDANT LIGHT – SEE RCP A114.1 FOR MOUNTING HEIGHT
AP2	6' DIAMETER ACOUSTICAL LIGHT FIXTURE PANEL BY ORBIS II WITH OUTER ACRYLIC RING PENDANT LIGHT – SEE RCP A114.1 FOR MOUNTING HEIGHT
AP3	4'–8" DIAMETER BY 1–1/2" THICK CURVED ACOUSTICAL PANEL BY SOUND QUALITY CEILING CLOUDS. (1 PIECES) – MINIMUM 3 SUPPORT D–RINGS PER PANEL MOUNTED ON THE CEILING GRID. (PANEL MATERIAL COMES IN 4 X 10 SHEETS)
AP4	6'–2" DIAMETER BY 1–1/2" THICK CURVED ACOUSTICAL PANEL BY SOUND QUALITY CEILING CLOUDS. (1 PIECES) – MINIMUM 3 SUPPORT D–RINGS PER PANEL MOUNTED ON THE CEILING GRID. (PANEL MATERIAL COMES IN 4 X 10 SHEETS)
AP5	5' DIAMETER. OUTER RING, 3' DIAMETER. INNER RING BY 1–1/2" THICK ACOUSTICAL PANEL BY SOUND QUALITY CEILING CLOUDS. (3 PIECES) – MINIMUM 3 SUPPORT D–RINGS PER PANEL MOUNTED ON THE CEILING GRID. (PANEL MATERIAL COMES IN 4 X 10 SHEETS)
AP6	9'–5–5/8" DIAMETER CURVE TO 1'–3/4" HORIZONTAL ENDS. 1–1/2" THICK ACOUSTICAL PANEL BY SOUND QUALITY CEILING CLOUDS. (1 PIECES) RADIUS EDGE – MINIMUM 3 SUPPORT D–RINGS PER PANEL MOUNTED ON THE CEILING GRID. (PANEL MATERIAL COMES IN 4 X 10 SHEETS)
AP7	4' DIAMETER. OUTER RING, 16' DIAMETER. INNER RING BY 1–1/2" THICK ACOUSTICAL PANEL BY SOUND QUALITY CEILING CLOUDS. (3 PIECES) – D–RING MOUNTED ON CEILING TRACK

FINISH SCHEDULE

TAG	ITEM	MANUFACTURER	MODEL / PRODUCT DESCRIPTION	SIZE	COMMENTS/ NOTES	ROOM
CPT1	WALK OFF MAT	MATTER SURFACES	STYLE: GRAY BASE/ NY CHARCOAL SPLASH INSERT YYPRESUEGYCS	24" X 24"	RECESSED	1A
CPT2	CARPET TILE	MANNINGTON COMMERCIAL	STYLE: COLORCAST, COLOR: HYDRO 34258	18" X 36"	ASHLAR INSTALLATION PATTERN	5,6,7,9,10,11A, 207
CPT3	CARPET TILE	MANNINGTON COMMERCIAL	STYLE: TRANSMIT, COLOR: REQUEST 33652	24" X 24"	ASHLAR INSTALLATION PATTERN	5,7,10,11A,11B
CPT4	CARPET TILE	BENTLEY MILLS	STYLE:LONG STORY SHORT, COLOR: LAMPOO 401033	24" X 24"	ASHLAR INSTALLATION PATTERN	12,16,17,203
LVT1	LUXURY VINYL TILE	SHAW CONTRACT	STYLE: COVE 0927V, COLOR: WASH 27436	9" X 48" PLANK	SEE FLOOR PLAN FOR PATTERN	34,35,206,208,209 ELEVATOR
LVT2	LUXURY VINYL TILE	SHAW CONTRACT	STYLE: COVE 0927V, COLOR: LURE 27201	9" X 48" PLANK	SEE FLOOR PLAN FOR PATTERN	34,35,206,208,209
LVT3	LUXURY VINYL TILE	SHAW CONTRACT	STYLE: COVE 0927V, COLOR: JADE 27405	9" X 48" PLANK	SEE FLOOR PLAN FOR PATTERN	34,35,208
LVT4	LUXURY VINYL TILE	SHAW CONTRACT	STYLE: COVE 0927V, COLOR: SAPHIRE 27486	9" X 48" PLANK	SEE FLOOR PLAN FOR PATTERN	33A, 33B
LVT5	LUXURY VINYL TILE	SHAW CONTRACT	STYLE: COVE 0927V, COLOR: GRESSO 27520	9" X 48" PLANK	SEE FLOOR PLAN FOR PATTERN	9, 33A, 33B
LVT6	LUXURY VINYL TILE	INTERFACE	STYLE:STUDIO SET, COLOR: SLATE A00713	10" X 40"	SEE FLOOR PLAN FOR PATTERN	8A, 8B, 14, 15, 18
LVT7	LUXURY VINYL TILE	INTERFACE	STYLE:STUDIO SET, COLOR: TITANIUM A00705	10" X 40"	SEE FLOOR PLAN FOR PATTERN	13,201,201A,202
LVT8	LUXURY VINYL TILE	SHAW CONTRACT	STYLE: COVE 0927V, COLOR: GESSO 27520	9" X 48"	SEE FLOOR PLAN FOR PATTERN	208
LVT9	LUXURY VINYL TILE	SHAW CONTRACT	STYLE: COMPOUND 5.0MM 4074V, COLOR: BERYL 77429	24" X 24"	SEE FLOOR PLAN FOR PATTERN	13, 208, ELEV.
PFT1	PORCELAIN FLOOR TILE	GENROSE STONE AND TILE	STYLE: DAKOTA, COLOR: GREY, FINISH: NATURAL	12" X 24"/24" X 48"	RM1A 12"X24", RM1 24"X48"	1A,1,204,205
1 PFT2	PORCELAIN FLOOR TILE	GARDEN STATE TILE	STYLE: URBAN LIVING, COLOR: MIST GREY, MATTE RECTIFIED GSP1102643	12" X 24"		37A, 37B, 4142,
PWT1	PORCELAIN WALL TILE	CREATIVE MATERIALS CORP	STYLE: ARTISANAL, COLOR: WHITE, GLOSSY	3" X 12"		37A,41,42,204,205
PWT2	PORCELAIN WALL TILE	CREATIVE MATERIALS CORP	STYLE: OMNI, COLOR: DENIM, GLOSSY	3" X 6"	ACCENT	37A,41,42,204,205
PWB1	PORCELAIN WALL BASE	GENROSE STONE AND TILE	STYLE: DAKOTA, COLOR: GREY, FINISH: NATURAL	4" x 24"	FIELD CUT FROM 12" X 24" TILE AND FINISHED WITH SCHLUTER EDGE	37B
PT1	WALL PAINT	BENJAMIN MOORE	1591, STERLING, EGGSHELL FINISH	N/A	GENERAL PAINT	SEE FINISH PLAN
PT2	WALL PAINT	BENJAMIN MOORE	CHICAGO BLUES 804, EGGSHELL FINISH	N/A	ACCENT WALL BEHIND CIRCULATION DESK IN RM5 AND WINDOW WALL IN RM 9	5, 9
PT3	WALL PAINT	BENJAMIN MOORE	1622, MINERAL ALLOY, EGGSHELL FINISH	N/A	ACCENT AT WEST WALL	7
PT4	WALL PAINT	BENJAMIN MOORE	OC–152, SUPER WHITE, FLAT FINISH	N/A	SOFFITS, SKYLIGHT SOFFIT, GYP CEILINGS	IN GENERAL
PT5	NOT USED					
PT6	WALL PAINT	BENJAMIN MOORE	1621, LITTLE FALLS, EGGSHELL FINISH		LOWER UP TO 12 FEET AFF	33A, 33B
PT7	WALL PAINT	BENJAMIN MOORE	2125–60, MARILYN'S DRESS, EGGSHELL FINISH	N/A	UPPER FROM 12FEET AFF	33A, 33B
PT8	DOORS / TRIM PAINT	BENJAMIN MOORE	OC–152, SUPER WHITE, SEMI–GLOSS FINISH HOLLOW METAL DOORS AND FRAMES	N/A	COMM RM DOOR PANELS AND DOOR/WINDOW TRIMS	IN GENERAL
PT9	WALL PAINT	BENJAMIN MOORE	2124–10, WROUGHT IRON, EGGSHELL FINISH	N/A	ACCENT AT EAST WALL	8B
PT10	WALL PAINT AND COLUMNS	BENJAMIN MOORE	2034–60, LIGHT PISTACHIO, EGGSHELL FINISH	N/A	WALLS AND COLUMNS.	34, 35
PT11	WALL PAINT AND COLUMNS	BENJAMIN MOORE	2065–70, BASHFUL BLUE, EGGSHELL FINISH	N/A	ACCENT AT NORTH WALL IN RM35 AND COLUMNS.	34, 35
PT12	WALL PAINT	BENJAMIN MOORE	OC–22, CALM, EGGSHELL AND SEMI–GLOSS FINISH	N/A	SOFFITS/TRIM EGGSHELL SOFFITS AND SEMI–GLOSS TRIM	34, 35
PT13	WALL PAINT	BENJAMIN MOORE	2087–10, NEON RED, EGGSHELL FINISH	N/A	ACCENT EXT. OF RESTRM/ LACTATION IN CHILDREN'S RM	35
PT14	WALL PAINT	BENJAMIN MOORE	OC–152, SUPER WHITE, EGGSHELL FINISH	N/A	ACCENT ACCENT IN RM 203	12, 16, 17, 37A, 41, 42, 203
PT15	WALL PAINT	BENJAMIN MOORE	838, DENIM WASH, EGGSHELL FINISH	N/A	ACCENT ACCENT IN RM 16 AND 17	16, 17, 37B
PT16	WALL PAINT	BENJAMIN MOORE	1549, BALBOA MIST, EGGSHELL FINISH	N/A	STAFF LUNCH ROOM	13
PT17	WALL PAINT	BENJAMIN MOORE	2134–60 WHITE STONE	N/A	MER ROOM	19,210,211,212,213
WC1	WALLCOVERING	ARC–COM	STYLE: ENFORCE, NAME: ANKARA, COLOR: ACE–53761 LICHEN	N/A	BLEACH CLEANABLE, TYPE II, 33 OZ, PVC FREE	ALL COLUMNS
WC2	WALLCOVERING	MDC	DG1107 DESIGN GALLERY VIVA LA ART, PENCILED IN DENIM	52/ 54"	MODERFOLD DOORS	33A, 33B
SS1	SOLID SURFACE MATERIAL	WILSONART	ICE STATUARIO 9912SS	54"	CUSTOM CUT SHAPE. SEE CIRC DESK PLANS/ DETAILS	5
SS2	SOLID SURFACE MATERIAL	CORIAN	COLOR: GRAY ONYX	CUSTOM	COUNTERTOP	33B
SS4	SOLID SURFACE MATERIAL	CORIAN	COLOR: CARRARA CREMA		COUNTERTOP	13
PL1	PLASTIC LAMINATE	FORMICA	8683–58 GRASS CLOTH, MATTE FINISH		CABINETRY	---
PL2	PLASTIC LAMINATE	LAMINART	5307–T NATURAL GRAY CONCRETE, TEXTURED FINISH		WALL AND BASE CABINETS	13
PL3	PLASTIC LAMINATE	LAMINART	5062–T METALENE ASTRO, TEXTURED FINISH		CABINETRY	33B
PL4	PLASTIC LAMINATE	WILSONART	PHANTOM CHARCOAL 8214K–28		CABINETRY	5, 8B
PL5	NOT USED					
PL6	PLASTIC LAMINATE	WILSONART	Y0667 – BERRY	N/A	PANEL COVER	20
PL7	PLASTIC LAMINATE	WILSONART	Y0698 – BONAIRE	N/A	PANEL COVER	20
PL8	PLASTIC LAMINATE	WILSONART	Y0346 – QUINCE	N/A	PANEL COVER	20
1 PL9	PLASTIC LAMINATE	WILSONART	Y0644 – DUBLIN	N/A	PANEL COVER	20
MTL1	METAL ALUMINUM PANELS	MOZ METALS AND ARCHITECTURAL	FRONT PANEL: DARK GREY METALLIC POWDER COAT	.040" THICK	CIRC. DESK ALUMINUM BUBBLE PATTERN. SEE MILLWORK DWGS AND DETAILS.	5
MTL2	METAL ALUMINUM PANELS	MOZ METALS AND ARCHITECTURAL	BACK PANEL: CLASSIC NIGHT BLUE CLOUDS MATTE	.040" THICK	CIRC. DESK SOLID ALUMINUM. SEE MILLWORK DWGS AND DETAILS.	5
WD1	WOOD STAIN	BENJAMIN MOORE	MAHOGANY ES–60 SEMI–TRANS AND POLYURETHANE FINISH.	CUSTOM	CIRC. DESK WOOD FRAMES	5
WD2	WOOD STAIN	BENJAMIN MOORE	MAHOGANY ES–60 SEMI–TRANS AND POLYURETHANE FINISH.	CUSTOM	STAFF BOOK SHELVING	5
RST1	STAIR TREAD	MANNINGTON COMMERCIAL	BURKE STAIRWAY SYSTEMS, STYLE: COLORSCAPE SQUARE, COLOR: ROCKY 660	N/A	AT STAIRS	5,14
RSR1	STAIR RISER	MANNINGTON COMMERCIAL	BURKE STAIRWAY SYSTEMS, STYLE: COLORSCAPE SQUARE, COLOR: ROCKY 660	N/A	AT STAIRS	5,14
WT1	LAMINATED PRIVACY FILM	FASARA GLASS FINISHES	GLASS FILM: GRADATION – ILLUMINA SH2FGIM	CUT TO WINDOW SIZE	APPLIED TO WINDOWS AT STAFF : NON–FICTION	33B
RWB1	RUBBER WALL BASE	TARKETT / JOHNSONITE	COLOR: 38 PEWTER	4"	CONTINUOUS WALL BASE	SEE FINISH PLAN
RWB2	RUBBER WALL BASE	TARKETT / JOHNSONITE	COLOR: VL2 WHISPERING MIST	4"	CONTINUOUS WALL BASE	13
RWB3	RUBBER WALL BASE	METROWALL	COLOR: 58 WINDSOR BLUE	4"	CONTINUOUS WALL BASE	35, 34, 20
EPT1	EPOXY WATERPROOF FLOORING	STONHARD	STONGARD MR: COLOR: COOL SHALE	SEE SPECIFICATIONS	INTEGRAL WALL BASE – SEE 7/A703	5,19,210,211,212,213
IWB	EPOXY INTEGRATED WALL BASE	STONHARD	STONGARD MR: COLOR: COOL SHALE	SEE SPECIFICATIONS	INTEGRAL WALL BASE – SEE 7/A703	19,210
RSP1	RAIN SCREEN PANEL	TRESPA METEON: FACADES	NATURALS–NA12 : NATURAL CHALKSTONE, MATT	VARIES	AT MAIN ENTRANCE, STAFF ENTRANCE AND STAIR TOWER.	EXTERIOR
RSP2	RAIN SCREEN PANEL	MORIN	EXTERIOR METAL PANEL, TWO FLUROPON COATINGS. COLOR: BONE WHITE.	VARIES	CHILLER PIT WALLS	EXTERIOR

EQUIPMENT TAG LEGEND

CM	COFFEE MAKER – PROVIDED BY OWNER. CONTRACTOR TO PROVIDE 1/4" COPPER LINE WATER SERVICE.
DW	DISHWASHER – PROVIDED BY OWNER. CONTRACTOR TO PROVIDE PIPING AND CONNECTIONS
MW	COUNTER TOP MICROWAVE – PROVIDED BY OWNER
RF	REFRIGERATOR – PROVIDED BY OWNER. CONTRACTOR TO PROVIDE 1/4" COPPER LINE WATER SERVICE.
PS	PROJECTOR SCREEN – CEILING MOUNTED, TENSIONED ELECTRIC SCREEN, PROVIDED BY IT/DATA CONSULTANT. A123 FOR LOCATION & 1/A616 FOR MOUNTING DETAIL
PJ	PROJECTOR – PROVIDED BY IT/DATA CONSULTANT, POWER AND DATA PROVIDED BY ELECTRICAL CONTRACTOR. A152 FOR LOCATION & 6/A616 FOR DETAIL

POWER AND TELEPHONE LOCATION TAG LEGEND

	ELECTRICAL DUPLEX – 18" A.F.F. UNLESS OTHERWISE NOTED
	ELECTRICAL DUPLEX FLOOR BOX
	ELECTRICAL QUAD OUTLET – 18" A.F.F. UNLESS OTHERWISE NOTED
	ELECTRICAL DUPLEX WITHIN FURNITURE SYSTEM (BY FURNITURE VENDOR)
	TEL|DATA OUTLET – 18" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED – PROVIDE CONDUIT WITH DRAG LINE TO A LOCATION ABOVE THE INTERIOR CEILING.
	FLOOR BOX DATA PORT – PROVIDE CONDUIT TO A LOCATION ABOVE THE INTERIOR CEILING WITH DRAG LINE TO A LOCATION ABOVE THE INTERIOR CEILING.
	TEL|DATA OUTLET – LOCATED WITHIN FURNITURE SYSTEM. PROVIDE JUNCTION BOX AND CONDUIT WITH DRAG LINE FROM WHIP LOCATION TO A LOCATION ABOVE THE FINISHED CEILING WITH DRAG LINE
	TEL|DATA WHIP FOR FURNITURE SYSTEM – COORDINATE REQUIREMENTS WITH FURNITURE VENDOR. PROVIDE CONDUIT WITH DRAG LINE TO A LOCATION ABOVE THE INTERIOR CEILING
	FLUSH FLOOR BOX FOR DATA WIRING. PROVIDE UNDERSLAB CONDUIT WITH DRAG LINE TO A LOCATION ABOVE THE INTERIOR CEILING.
	AUTOMATIC OPERATOR
	ELEVATOR CALL BUTTON – (PER ELEVATOR MANUFACTURER)
	CARD READER FAB (LOCATED ON DOOR)

POWER AND TELEPHONE LOCATION TAG LEGEND

	ELECTRIC LOCK
	ELECTRIC HINGE
	ELECTRICAL WHIP FOR FURNITURE SYSTEM – PROVIDE BY FURNITURE VENDOR. FINAL CONNECTION BY CONTRACTOR
	FLUSH FLOOR MOUNTED ACCESS POINT FOR ELECTRICAL WIRING TO MILLWORK
	ELEVATOR INDICATOR LIGHT – (PER ELEVATOR MANUFACTURER)
	INTERCOM
	LIGHTING CONTROL SYSTEM – SEE ENGINEERING DRAWINGS
	KEY OPERATED, TAMPER PROOF, CONSTANT PRESSURE CONTROL STATION SWITCH FOR MOTORIZED PARTITION
	THERMOSTAT LOCATION – SEE ENGINEERING DRAWINGS
	SWITCH – (DOES NOT INDICATE QUANTITIES) LOCATED 3'–9" AFF UNLESS OTHERWISE NOTED. SEE ENGINEERING DRAWINGS.
IMW	DEVICE LOCATED IN MILLWORK. COORDINATE WITH MILLWORK
SEFL	SEE ELEVATIONS FOR DEVICE LOCATION
CWE	COORDINATE LOCATION WITH EQUIPMENT
+48	INDICATES DEVICE HEIGHT ABOVE FLOOR TO CENTERLINE OF DEVICE

FINISH TAGS AND FLOOR TRANSITION TAG LEGEND

S1	SILL TYPE S1 – EXTERIOR GRADE ADA COMPLAINT SADDLE 8–A703
S2	SILL TYPE S2 – CARPET TO LVT TRANSITION (ON CENTERLINE OF DOOR AT OPENINGS) – 9–A703
S3	SILL TYPE S3 – TILE TO LVT FLUSH TRANSITION WITH SCHLUTER METAL EDGE (ON CENTERLINE OF DOOR AT OPENINGS) – 15–A703
S4	(UNUSED)
S5	SILL TYPE S5 – LVT TO SLAB (ON CENTERLINE OF DOOR AT OPENINGS) – 13–A703
S6	SILL TYPE S6 – INTERIOR ENTRANCE DOOR – 6–A406
S7	SILL TYPE S7 – EXTERIOR ENTRANCE DOOR SADDLE – 17–A406
S8	SILL TYPE – ELEVATOR DOOR SILL (PER MANUFACTURER) WITH VINYL REDUCING STRIP 17–A603 WITH REDUCING STRIP SIMILAR TO 13–A703
S9	SILL TYPE S9 – MATERIAL TRANSITION AT TOP OF STAIR. FLUSH TRANSITION
NT	NO MATERIAL TRANSITION. COLOR TRANSITIONS (WHEN PRESENT) SHALL CHANGE AT THE DOOR CENTERLINE.
(MTE)	METAL EDGE TRIM – SCHLUTER . SEE INTERIOR ELEVATIONS ON A620

WINDOW LEGEND

W01	WINDOW TYPE 01 – 5'–3 1/4" X 7'–8" TRIPLE PANE WITH LAMINATED GLAZING ON EXTERIOR FACE WITH STEEL POLYMER FRAME WINDOW BY INTUS OR APPROVED EQUAL
W02	WINDOW TYPE 02 – 4'–0"X4'–0" TRIPLE PANE, STEEL POLYMER WINDOW BY INTUS OR APPROVED EQUAL

one eighth inch = one foot 0 1 2 4 6

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	02-28-2025	ALTERNATE 3
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3

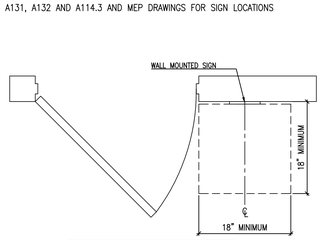
NOTES AND LEGENDS

PROJECT NO.: 2578-02

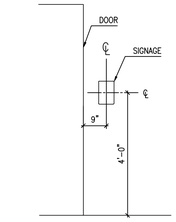
DRAWING NO.: ALTERNATE 3
A002

BUILDING SIGNAGE SCHEDULE

GENERAL CONTRACTOR IS TO PROVIDE SIGNS IN COMPLIANCE WITH BUILDING CODE CHAPTER 1111 AND ICCA 117.1–2009
SEE PLANS A131, A132 AND A114.3 AND MEP DRAWINGS FOR SIGN LOCATIONS



SIGN MOUNTING REQUIREMENTS PLAN



SIGN MOUNTING REQUIREMENTS ELEVATION



SIGN 1 – NURSING ROOM



CUSTOM SIGN TO READ AS FOLLOWS
STAIR 1
FLOORS 1–2
NO ROOF ACCESS
1
FLOOR 1
EXIT LEVEL
TO EXTERIOR

SIGN 5 – STAIR/LEVEL DESIGNATION



SIGN 2 – MENS RESTROOM



CUSTOM SIGN TO READ AS FOLLOWS
STAIR 1
FLOORS 1–2
NO ROOF ACCESS
2
FLOOR 2
EXIT DOWN
TO FLOOR 1

SIGN 6 – STAIR/LEVEL DESIGNATION



SIGN 3 – WOMENS RESTROOM



CUSTOM SIGN TO READ AS FOLLOWS
STAIR 2
FLOORS 2–3
ROOF ACCESS
2
FLOOR 2
EXIT DOWN
AT STAIR 1

SIGN 7 – STAIR/LEVEL DESIGNATION



SIGN 4 – FAMILY RESTROOM



CUSTOM SIGN TO READ AS FOLLOWS
STAIR 2
FLOORS 2–3
ROOF ACCESS
3
FLOOR 2
EXIT DOWN
TO FLOOR 2

SIGN 8 – STAIR/LEVEL DESIGNATION

CAUTION ELECTRICALLY POWERED PARTITION
ONLY APPROPRIATELY TRAINED STAFF MAY OPERATE THIS PARTITION. CONTROL STATIONS MUST BE ATTENDED BY STAFF MEMBERS WHILE THE PARTITION IS IN MOTION. STAFF MEMBERS MUST STAND ON OPPOSITE SIDES OF THE OPENING OR CLOSING PARTITION. STUDENTS MUST STAY AWAY FROM THE PARTITION WHEN IN MOTION.

SIGN 9 – MOVABLE PARTITION CONTROL STATION
NOTE: INSTALL ABOVE PARTITION OPERATION SWITCH

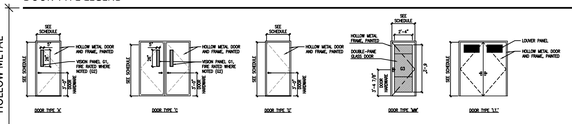
DOOR SCHEDULE

	DOOR NO.	FROM/TO	DOOR SIZE	MANUFACTUER	DOOR MAT	FRAME MAT	DOOR FINISH	FRAME FINISH	DOOR TYPE	FIRE RATING	LOCKED SIDE	HARDWARE SET SEE SPECIFICATIONS	ADDITIONAL NOTES
	101	EXTERIOR NORTH : VESTIBULE	6'–0" x 7'–2"	KAWNEER	HM	HM	MFR.	MFR.	E2		VESTIBULE	SET: 1.0	AUTOMATIC SLIDING BREAKAWAY DOOR
	102	VESTIBULE : LOBBY	6'–0" x 7'–2"	KAWNEER	HM	HM	MFR.	MFR.	E2		LOBBY	SET: 1.0	AUTOMATIC SLIDING BREAKAWAY DOOR
	103	LOBBY : CIRCULATION AREA	6'–0" x 7'–2"	KAWNEER	HM	HM	MFR.	MFR.	B		CIRCULATION	SET: 1.0	AUTOMATIC SLIDING BREAKAWAY DOOR
	104	LOBBY : LEARNING LAB	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M		LEARNING LAB	SET: 12.0	SINGLE – CARD ACCESS
	105	LOBBY : COMMUNITY RM	5'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	C		LOBBY	SET: 7.0	PAIR W/ PANICS
	106	COMMUNITY RM : VESTIBULE	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	F		COMMUNITY RM	SET: 6.0	SINGLE W/ PANIC
	107	BROWSING : LEARNING LAB	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M		BROWSING CORRIDOR	SET: 12.0	SINGLE – CARD ACCESS
	108	BROWSING : LEARNING LAB	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M		BROWSING CORRIDOR	SET: 12.0	SINGLE – CARD ACCESS
	109	LEARNING LAB : STORAGE	5'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G			SET: 15.0	
	110	LEARNING LAB : STORAGE	5'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G			SET: 15.0	
	111	GALLERY HALL : STAFF	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A		CIRC/REF	SET: 12.0	SINGLE – CARD ACCESS
	112	CHILDRENS GARDEN:SIDEWALK	3'–0" x 7'–0"	FENCING	–	–	MFR.	MFR.	–		–	SET: 21.0	ADDITIONAL HARDWARE SUPPLIED BY GATE MANUFACTURER.
	114	STAFF MEETING RM: STAFF OFFICE	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A		STAFF	SET: 12.0	SINGLE – CARD ACCESS
	115	COMMUNITY ROOM 1 : CHILDRENS PROGRAM CORR	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A			SET: 6.0	SINGLE W/ PANIC, ALARMED W/ SCREAMER
	116	CHILDRENS LIBRARY : CHILDRENS PROGRAM CORR.	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A			SET: 6.0	SINGLE W/ PANIC
	117	CHILDRENS LIBRARY : RESTROOM	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		RESTROOM	SET: 19.0	UNDERCUT DOOR
	118	CHILDRENS LIBRARY : RESTROOM LACTATION	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		LACTATION	SET: 19.0	UNDERCUT DOOR
	119	CHILDRENS PROGRAM CORRIDOR : EXTERIOR EXIT	3'–8" x 6'–8"	ASSA ABLOY	HM	HM	MFR.	MFR.	E1.2			SET: 3.0	EXTERIOR DOUBLE HM – CARD ACCESS
	119A	CHILDRENS PROGRAM RM : CLOSET	6'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G			SET: 15.0	
	119B	CHILDRENS PROGRAM RM : CLOSET	6'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G			SET: 15.0	
	120	STACKS : DIRECTORS OFFICE	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		STACKS	SET: 12.0	SINGLE – CARD ACCESS
	121	STAFF OFFICE : SECURE STORAGE	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		STACKS	SET: 12.0	SINGLE – CARD ACCESS
	122	DIRECTORS OFFICE : STAFF	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A		STAFF	SET: 12.0	SINGLE – CARD ACCESS
	123	ASSISTANTS OFFICE : STAFF	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A		STAFF	SET: 12.0	SINGLE – CARD ACCESS
	124	CIRCDESK : STAFF	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A		STAFF	SET: 12.0	SINGLE – CARD ACCESS
⚠	124A	OMIT											
⚠	124B	OMIT											
	133	COMMUNITY RM : EXTERIOR EAST	3'–0" x 7'–0"**	ASSA ABLOY	HM	HM	MFR.	MFR.	G		EXTERIOR	SET: 4.0	EXTERIOR HM SINGLE
	134	NONFICTION : STAFF AREA	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A		NONFICTION	SET: 12.0	SINGLE – CARD ACCESS
	135	STAFF OFFICE : CUSTODIAL	6'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G			SET: 20.0	BYPASS PAIR – LOCKABLE
	136	STAFF : RESTROOM WOMENS	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		STAFF	SET: 19.0	UNDERCUT DOOR
	137	STAFF : RESTROOM MENS	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		STAFF	SET: 19.0	UNDERCUT DOOR
	138	MER	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G	*45 MINUTE FIRE RATED*	STAFF	SET: 18.0	MECH/ELEC; EQUIP ROOM – PANIC; CARD ACCESS,
	139	STAFF OFFICE : CIRC. SUPERVISOR	3'–0" x 7'–0"	*PARTITION*	HM	HM	MFR.	MFR.	G		CIRC SUPERVISOR	SET: 10.0	PROVIDE COAT HOOK FOR OFFICE DOORS.
	140	STAFF WORK RM: STAFF LUNCH RM	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M		STAFF	SET: 10.0	PROVIDE COAT HOOK FOR OFFICE DOORS.
	141	STAFF VESTIBULE: STAFF AREA	4'–4"x 7'–0"	ASSA ABLOY	HM.	HM.	MFR.	MFR.	E1.2		VESTIBULE	SET: 8.0	OFFICE AREA PAIR *45 MINUTE FIRE RATED*
	142	STAFF VESTIBULE: EXTERIOR EXIT	5'–5" x 6'–8"	ASSA ABLOY	AL.	AL.	MFR.	MFR.	E1		EXTERIOR	SET: 2.0	EXTERIOR ALUM PAIR – CARD ACCESS
	143	PEARL RIVER ROOM: TEEN READING	6'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	B		TEEN READING	SET: 9.0	CONFERENCE PAIR
	144	NONFICTION: EXTERIOR EXIT	3'–0" x 6'–8"	ASSA ABLOY	AL.	AL.	MFR.	MFR.	E3		EXTERIOR	SET: 4.0	EXTERIOR HM SINGLE, SIDELIGHTS EQUAL EACH SIDE
	145	GALLERY HALL 1 : BROWSING	4'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	M		GALLERY HALL 2	SET: 1.0	AUTOMATIC SLIDING BREAKAWAY DOOR
	158	CIRCULATION : CHILDREN GALLERY HALL	8'–0" x 7'–6"	ASSA ABLOY	HM	HM	MFR.	MFR.	D		GALLERY HALL 2	SET: 1.0	AUTOMATIC SLIDING BREAKAWAY DOOR
	201	GALLERY HALL 2 : EQUIPMENT ROOM	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		GALLERY HALL 3	SET: 13.0	DOUBLE – CARD ACCESS *45 MINUTE FIRE RATED*
⚠	202	OMIT											
	203B	OMIT											
	203E	OMIT											
	204	EQUIPMENT ROOM : SECURE STORAGE	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		RESTROOM	SET: 16.0	
⚠	205	OMIT			HM	HM	MFR.	MFR.	G				
	206	OMIT											
	207	OMIT											
	208	OMIT											
	209	OMIT											
	210	EQUIPMENT ROOM : RATED ENCLOSURE	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		EQUIPMENT ROOM	SET: 15.0	
	211	EQUIPMENT ROOM : NETWORK CLOSET	6'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G			SET: 17.0	
	212	EQUIPMENT ROOM : STAIRWELL UP	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A			SET: 14.0	STAIR; CORRIDOR
	213	EQUIPMENT ROOM : STAFF CORR	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	A	*45 MINUTE FIRE RATED*		SET: 18.0	MECH/ELEC; EQUIP ROOM – PANIC; CARD ACCESS
⚠	214	OMIT											
RESTROOM PROJECT	126	RESTROOM LOBBY : FAMILY RESTROOM	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		LOBBY	SET: 19.0	UNDERCUT DOOR
RESTROOM PROJECT	127	RESTROOM LOBBY : BROWSING	6'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	C		BROWSING		
RESTROOM PROJECT	128	RESTROOM LOBBY : JANITORS CLOSET	6'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		RESTROOM LOBBY		
RESTROOM PROJECT	129	RESTROOM LOBBY : FAMILY RESTROOM	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		RESTROOM	SET: 19.0	
RESTROOM PROJECT	130	RESTROOM LOBBY : WOMANS RESTROOM	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		RESTROOM	SET: 19.0	
RESTROOM PROJECT	131	RESTROOM LOBBY : MENS RESTROOM	3'–0" x 7'–0"	ASSA ABLOY	HM	HM	MFR.	MFR.	G		RESTROOM	SET: 19.0	UNDERCUT DOOR
ALTERNATE AREA SCHEDULE	A01	MEETING ROOM : STACKS	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M			SET: 16.0	
ALTERNATE AREA SCHEDULE	A02	MEETING ROOM : STACKS	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M			SET: 16.0	
ALTERNATE AREA SCHEDULE	A03	MEETING ROOM : STACKS	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M			SET: 16.0	
ALTERNATE AREA SCHEDULE	A70	MEETING ROOM : STACKS	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M			SET: 16.0	
ALTERNATE AREA SCHEDULE	A71	MEETING ROOM : STACKS	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M			SET: 16.0	
ALTERNATE AREA SCHEDULE	A72	MEETING ROOM : STACKS	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M			SET: 16.0	
ALTERNATE AREA SCHEDULE	A73	MEETING ROOM : STACKS	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M			SET: 16.0	
ALTERNATE AREA SCHEDULE	A74	MEETING ROOM : STACKS	3'–0" x 7'–0"	METROWALL	AL.	AL.	MFR.	MFR.	M			SET: 16.0	

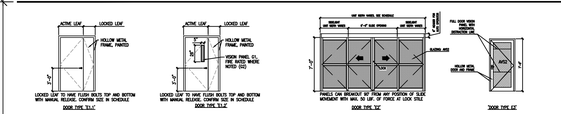
CONTRACTOR TO VERIFY ALL EXTERIOR DOOR DIMENSIONS IN FIELD PRIOR TO ORDERING.

DOOR TYPE LEGEND

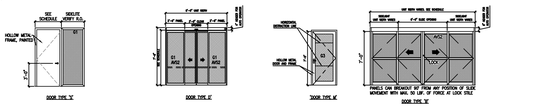
HOLLOW METAL



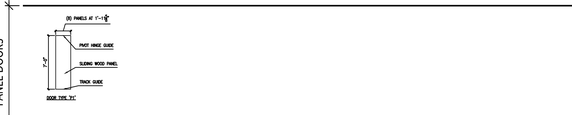
EXTERIOR ALUMINUM



INTERIOR ALUMINUM



INTERIOR WOOD CORE PANEL DOORS



GLAZING SCHEDULE

IGU1	INSULATED GLASS UNIT: VISION GLASS, DOUBLE GLAZES, TEMPERED SAFETY GLAZING
IGU2	INSULATED GLASS UNIT: VISION GLASS, DOUBLE GLAZES, LAMINATED SAFETY GLAZING
G1	MONOLITHIC INTERIOR VISION SAFETY GLAZING, TEMPERED
G2	WIRED GLASS: FLAT GLASS WITH EMBEDDED WIRE MESH
G3	INTERIOR VISION GLASS, DOUBLE GLAZES FOR METROWALL PARTITIONS (TEMPERED)
G4	INTERIOR VISION GLASS, DOUBLE GLAZES FOR METROWALL PARTITIONS (LAMINATED)

APPLIED VISION SCREEN SCHEDULE

AVS1	TRANSLUCENT FILM APPLIED TO GLASS 18–A702
AVS2	DISTRACTION MARKER FILM APPLIED TO GLASS 1–A703

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
⚠	02-28-2025	ALTERNATE 3
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

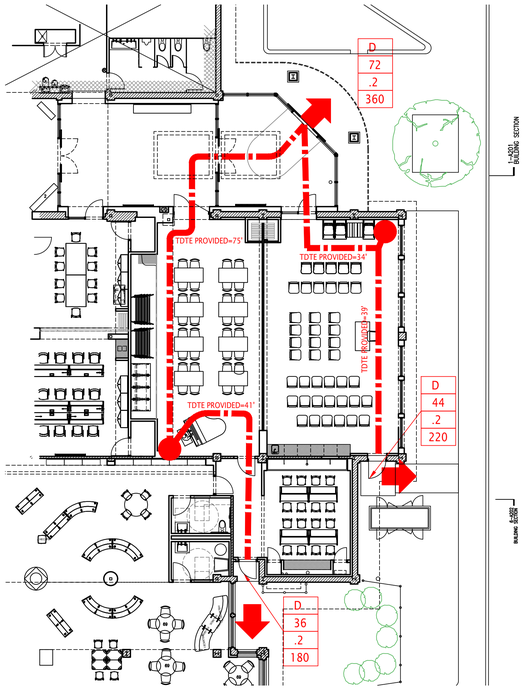
ALTERNATE 3

NOTES AND LEGENDS

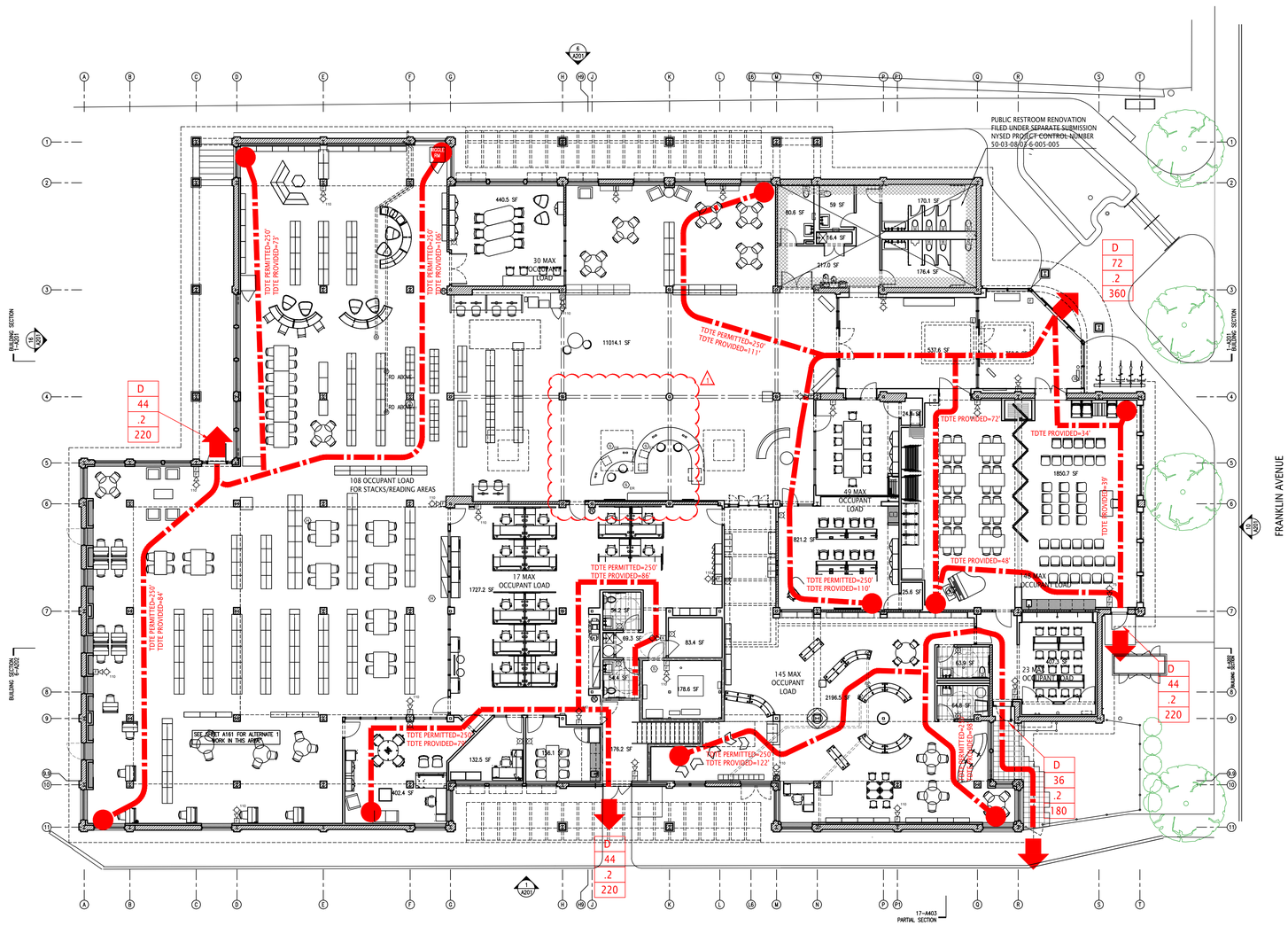
PROJECT NO.: 2578-02

DRAWING NO.: ALTERNATE 3
A003

one eighth inch = one foot
0 1 2 4 8 16



6 ALTERNATE EGRESS ROUTE WITH MOVEABLE PARTITION CLOSED
3/16" = 1'-0"



CHAPTER 6 - TYPES OF CONSTUCTION

CONSTRUCTION CLASSIFICATION	Type IIB
	NON-COMBUSTIBLE, UNPROTECTED
MINIMUM WIDTH OF PUBLIC WAY OR OPEN SPACE.	Feet 30
TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)	
Primary Structural Frame	0 HOURS
Bearing walls - Exterior	0 HOURS
Bearing walls - Interior	0 HOURS
Nonbearing walls and partitions - Exterior	0 HOURS
Nonbearing walls and partitions - Interior	0 HOURS
Floor construction and associated secondary members	0 HOURS
Roof construction and associated secondary members	0 HOURS

CHAPTER 7 - FIRE AND SMOKE PROTECTION FEATURES

EXTERIOR WALLS AND OPENINGS	
FIRE SEPARATION DISTANCE (feet) (TABLE 704.8)	No Limit
Unprotected Opening	30
Protected	20

CHAPTER 8 - INTERIOR FINISHES

	Required	Provided
INTERIOR WALL AND CEILING FINISH REQUIREMENTS (Table 803.13)		SPRINKLERED
	Required	**Proposed**
Interior exit stairways and ramps and exit passageways	Class 'B'	Class 'A"
Corridors and enclosure for exit access stairways and ramps	Class 'B'	Class 'A"
Rooms and enclosed spaces	Class 'C'	Class 'A"

CHAPTER 9 - FIRE PROTECTION AND LIFE SAFETY SYSTEMS

	Required	Provided
AUTOMATIC SPRINKLER SYSTEMS		
Group A-3. An automatic sprinkler system shall be provided throughout stories containing Group A-3 occupancies and throughout all stories from the Group A-3 occupancy to and including the levels of exit discharge serving that occupancy where one of the following conditions exists:		
1. The fire area exceeds 12,000 square feet		
2. The fire area has an occupant load of 300 or more.		
3. The fire are is located on a floor other than a level of exit discharge serving such occupancies.		

Code Analysis - 2020 Building Code of New York State

THESE PLANS ARE IN CONFORMANCE WITH THE FOLLOWING CODES:

2020 Building Code of New York State
2020 Fire Code of New York State
2020 Energy Conservation Construction Code of New York State
2020 Existing Building Code of New York State
2020 Mechanical Code of New York State
2020 Plumbing Code of New York State
2020 Property Maintenance Code of New York State

CHAPTER 3 - USE AND OCCUPANCY CLASSIFICATION

OCCUPANCY CLASSIFICATION	
EXISTING OCCUPANCY (PRIMARY CLASSIFICATION)	A3 LIBRARY
PROPOSED OCCUPANCY (PRIMARY CLASSIFICATION)	A3 LIBRARY

CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS

BUILDING HEIGHT AND NUMBER OF STORIES		
BUILDING IS (100%):		**SPRINKLERED**
ALLOWABLE HEIGHT (Table 504.3)	**Feet**	**75**
ALLOWABLE HEIGHT (Table 504.4)	**Stories**	**3**
BUILDING AREA		
ALLOWABLE AREA FACTOR - TABLE 506.2	SF	28500
AREA PROPOSED - Floor 01	SF	23058
AREA PROPOSED - Floor 02	SF	4950
AREA PROPOSED - Total	SF	28008

CHAPTER 10 - MEANS OF EGRESS - FLOOR 01

OCCUPANT LOAD			SPRINKLERED
MAXIMUM FLOOR AREA PER OCCUPANT (TABLE 1004.5)	**OCCUPANCY TYPE**		**FLOOR AREA IN SQUARE FEET PER PERSON**
OCCUPANCY TYPE	Floor Area Allowances per occupant	Floor Area Per Use	Total Occupant Per Use Area
Business	150	3,222	21.5
Assembly without fixed seats - Concentrated (chairs only, not fixed)	7	1,919	274.1
Assembly without fixed seats - Unconcentrated (tables and chairs)	15	4,291	286.1
Accessory Storage and Mechanical Rooms	300	381	1.3
Reading Room	50	2,425	48.5
Stacks	100	7,728	77.3
Other	50	2,020	40.4
Restrooms	50	722	14.4
TOTAL FLOOR AREA		**22,708**	**763.6**
MEANS OF EGRESS SIZING			

Stairways	FACTOR (1005.3.1)	PERSONS	EXIT INCHES
	0.03		
	0.03		
	0.03		
	0.03		
	0.03		
	0.03		
	0.03		
	0.03		
Total Required			**0.0**
Total Provided			**0.0**

Other egress components	FACTOR (1005.3.1)	PERSONS	EXIT INCHES
Business	0.20	21.5	4.3
Assembly without fixed seats - Concentrated (chairs only, not fixed)	0.20	274.1	54.8
Assembly without fixed seats - Unconcentrated (tables and chairs)	0.20	286.1	57.2
Accessory Storage and Mechanical Rooms	0.20	1.3	0.3
Reading Room	0.20	48.5	9.7
Stacks	0.20	77.3	15.5
Other	0.20	40.4	8.1
Restrooms	0.20	14.4	2.9
Total Required			**152.7**
Total Provided			**240.0**
NUMBER OF EXITS AND EXIT ACCESS DOORWAYS			
1006 NUMBER OF EXITS			SPRINKLERED

MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS PER STORY	**OCCUPANT LOAD**	**NUMBER OF EXITS**
Occupant load: 1-500		2
Occupant load 501-1,000		3
ACTUAL OCCUPANT LOAD	764	
NUMBER OF EXITS REQUIRED		3
EXITS PROVIDED		5

EXIT ACCESS TRAVEL DISTANCE (TABLE 1017.2)	**MAX TRAVEL DISTANCE**
'A' Occupancy (most stringent)	250 Feet
'B' Occupancy	300 Feet

LIFE SAFETY PLAN LEGEND

D/W - EGRESS DOOR (D) OR WINDOW (W)
36 - EGRESS WIDTH
.2 - EGRESS WIDTH PER PERSON
240 - EXIT CAPACITY

- EGRESS PATH
- EXIT
TDTE - TRAVEL DISTANCE TO EXIT
- EGRESS PATH START POINT
CPTO - COMMON PATH OF TRAVEL START

one eighth inch = one foot 1/8" = 1'-0"

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	02-28-2025	ALTERNATE 3
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

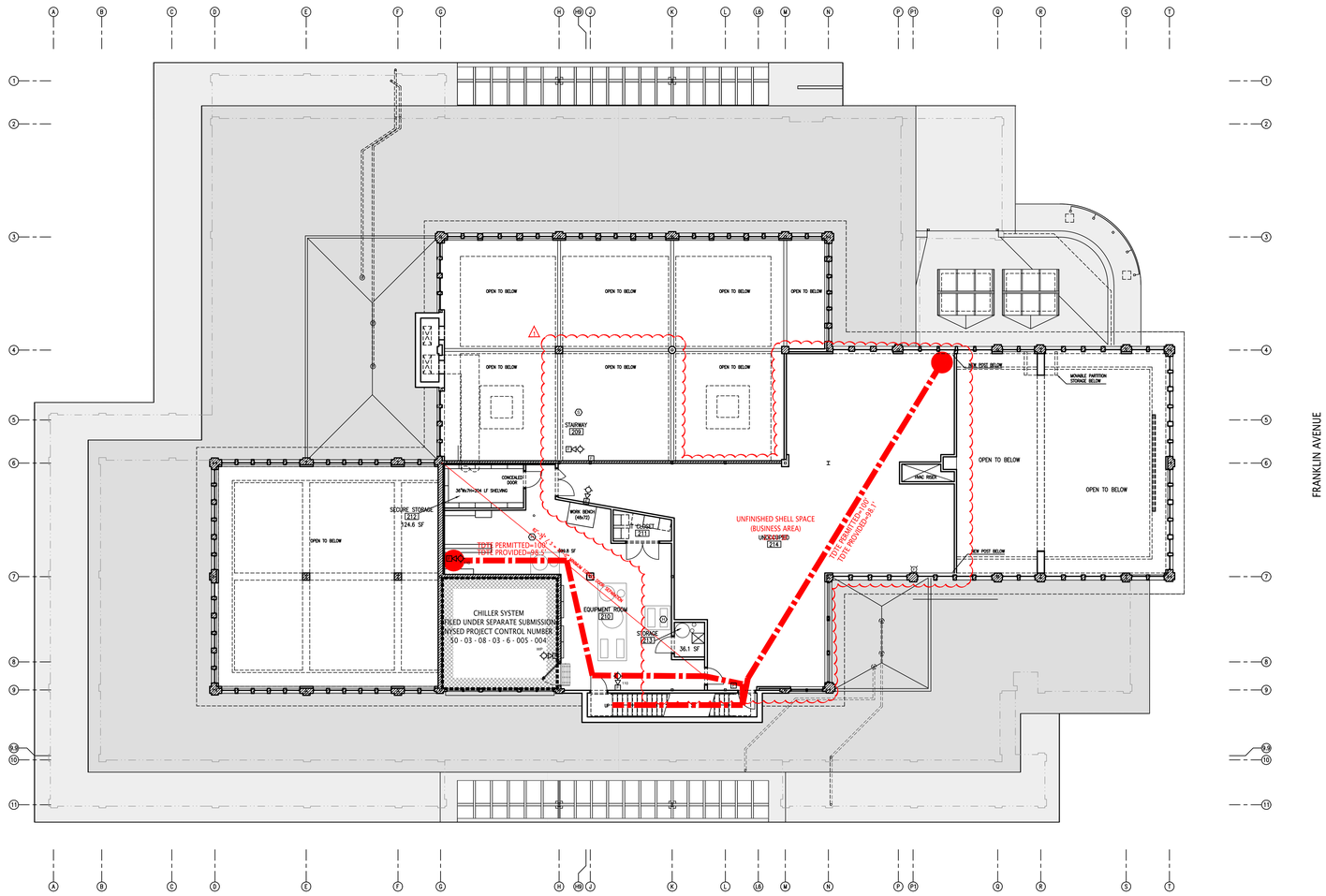
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3

FIRST FLOOR EGRESS PLAN

PROJECT NO.: 2578-02
3/32" = 1'-0"

DRAWING NO.: ALTERNATE 3
A051



CHAPTER 6 - TYPES OF CONSTUCTION		
CONSTRUCTION CLASSIFICATION		Type IIB
		NON-COMBUSTIBLE, UNPROTECTED
MINIMUM WIDTH OF PUBLIC WAY OR OPEN SPACE.	Feet	30
TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)		
Primary Structural Frame		0 HOURS
Bearing walls - Exterior		0 HOURS
Bearing walls - Interior		0 HOURS
Nonbearing walls and partitions - Exterior		0 HOURS
Nonbearing walls and partitions - Interior		0 HOURS
Floor construction and associated secondary members		0 HOURS
Roof construction and associated secondary members		0 HOURS

CHAPTER 7 - FIRE AND SMOKE PROTECTION FEATURES		
EXTERIOR WALLS AND OPENINGS		
FIRE SEPARATION DISTANCE (Feet) (TABLE 704.8)		No Limit
	Unprotected Opening	30
	Protected	20

CHAPTER 8 - INTERIOR FINISHES	Required	Provided
INTERIOR WALL AND CEILING FINISH REQUIREMENTS (Table 803.13)		SPRINKLERED
	Required	**Proposed**
Interior exit stairways and ramps and exit passageways	Class 'B'	Class 'A"
Corridors and enclosure for exit access stairways and ramps	Class 'B'	Class 'A"
Rooms and enclosed spaces	Class 'C'	Class 'A"

CHAPTER 9 - FIRE PROTECTION AND LIFE SAFETY SYSTEMS	Required	Provided
AUTOMATIC SPRINKLER SYSTEMS		
Group A-3. An automatic sprinkler system shall be provided throughout stories containing Group A-3 occupancies and throughout all stories from the Group A-3 occupancy to and including the levels of exit discharge serving that occupancy where one of the following conditions exists:		
1. The fire area exceeds 12,000 square feet		
2. The fire area has an occupant load of 300 or more.		
3. The fire are is located on a floor other than a level of exit discharge serving such occupancies.		

Code Analysis - 2020 Building Code of New York State		
THESE PLANS ARE IN CONFORMANCE WITH THE FOLLOWING CODES:		
2020 Building Code of New York State		
2020 Fire Code of New York State		
2020 Energy Conservation Construction Code of New York State		
2020 Existing Building Code of New York State		
2020 Mechanical Code of New York State		
2020 Plumbing Code of New York State		
2020 Property Maintenance Code of New York State		
CHAPTER 3 - USE AND OCCUPANCY CLASSIFICATION		
OCCUPANCY CLASSIFICATION		
EXISTING OCCUPANCY (PRIMARY CLASSIFICATION)		A3 LIBRARY
PROPOSED OCCUPANCY (PRIMARY CLASSIFICATION)		A3 LIBRARY
CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS		
BUILDING HEIGHT AND NUMBER OF STORIES		
BUILDING IS (100%):		**SPRINKLERED**
ALLOWABLE HEIGHT (Table 504.3)	**Feet**	**75**
ALLOWABLE HEIGHT (Table 504.4)	**Stories**	**3**
BUILDING AREA		
ALLOWABLE AREA FACTOR - TABLE 506.2	SF	28500
AREA PROPOSED - Floor 01	SF	23058
AREA PROPOSED - Floor 02	SF	4950
AREA PROPOSED - Total	SF	28008

CHAPTER 10 - MEANS OF EGRESS - FLOOR 02			
OCCUPANT LOAD			SPRINKLERED
MAXIMUM FLOOR AREA PER OCCUPANT (TABLE 1004.5)	**OCCUPANCY TYPE**		**FLOOR AREA IN SQUARE FEET PER PERSON**
OCCUPANCY TYPE	Floor Area Allowances per occupant	Floor Area Per Use	Total Occupant Per Use Area
Business	150	354	2.4
Assembly without fixed seats - Concentrated (chairs only, not fixed)	7	1,128	161.1
Assembly without fixed seats - Unconcentrated (tables and chairs)	15	354	23.6
Accessory Storage and Mechanical Rooms	300	1,000	3.3
Reading Room	50	0	0.0
Stacks	100	0	0.0
Other	50	0	0.0
Restrooms	50	152	3.0
TOTAL FLOOR AREA		**2,988**	**193.5**
MEANS OF EGRESS SIZING			
Stairways	FACTOR (1005.3.1)	PERSONS	EXIT INCHES
Business	0.03	2.4	0.1
Assembly without fixed seats - Concentrated (chairs only, not fixed)	0.03	161.1	4.8
Assembly without fixed seats - Unconcentrated (tables and chairs)	0.03	23.6	0.7
Accessory Storage and Mechanical Rooms	0.03	3.3	0.1
Reading Room	0.03	0.0	0.0
Stacks	0.03	0.0	0.0
Other	0.03	0.0	0.0
Restrooms	0.03	3.0	0.1
Total Required			**5.8**
Total Provided			**88.0**

Other egress components	FACTOR (1005.3.1)	PERSONS	EXIT INCHES
Business	0.20	2.4	0.5
Assembly without fixed seats - Concentrated (chairs only, not fixed)	0.20	161.1	32.2
Assembly without fixed seats - Unconcentrated (tables and chairs)	0.20	23.6	4.7
Accessory Storage and Mechanical Rooms	0.20	3.3	0.7
Reading Room	0.20	0.0	0.0
Stacks	0.20	0.0	0.0
Other	0.20	0.0	0.0
Restrooms	0.20	3.0	0.6
Total Required			**38.7**
Total Provided			**72.0**
NUMBER OF EXITS AND EXIT ACCESS DOORWAYS			
TABLE 1006.3.2			0.0
MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS PER STORY		**OCCUPANT LOAD**	**NUMBER OF EXITS**
Occupant load: 1-500			2
Occupant load 501-1,000			3
ACTUAL OCCUPANT LOAD		193	
NUMBER OF EXITS REQUIRED			2
EXITS PROVIDED			2
EXIT ACCESS TRAVEL DISTANCE (TABLE 1017.2)			**MAX TRAVEL DISTANCE**
'A' Occupancy (most stringent)			250 Feet
'B' Occupancy			300 Feet

LIFE SAFETY PLAN LEGEND

D/W
36
.2
240

- EGRESS DOOR (D) OR WINDOW (W)
- EGRESS WIDTH
- EGRESS WIDTH PER PERSON
- EXIT CAPACITY

- EGRESS PATH
- EXIT

TDTE - TRAVEL DISTANCE TO EXIT

- EGRESS PATH START POINT

CPT - COMMON PATH OF TRAVEL START

one eighth inch = one foot 16 8 4 0

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
1	02-28-2025	ALTERNATE 3

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

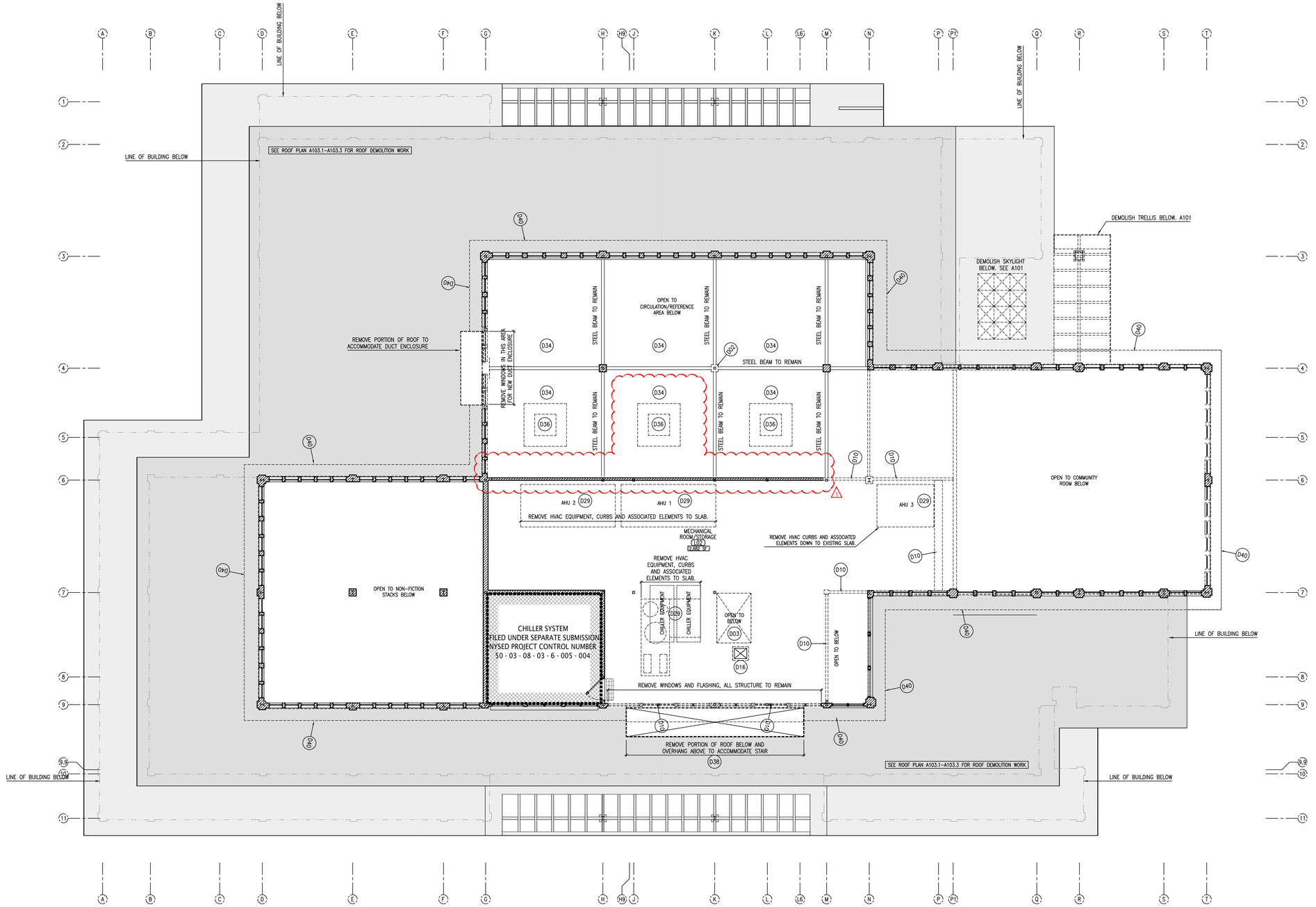
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3

SECOND FLOOR EGRESS PLAN

PROJECT NO.: 2578-02
3/32" = 1'-0"

DRAWING NO.: ALTERNATE 3
A052



DEMOLITION LEGEND

– INTERIOR PARTITION TO BE REMOVED

– INTERIOR PARTITION TO REMAIN

REMOVE ALL ACOUSTICAL CEILING TILE, GRID AND ASSOCIATED ELEMENTS UNLESS OTHERWISE NOTED.

ALL FLOORING TO BE REMOVED, SCRAP AND CLEAN EXCESS GLUE OR OTHER ADHESIVE FROM SLAB.

REMOVE ALL DOORS, FRAMES AND ASSOCIATED ELEMENTS UNLESS OTHERWISE NOTED

SEE ENGINEERING DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION

ON ALL EXTERIOR WALLS: REMOVE EXISTING INTERIOR GYPSUM WALL BOARD AND OTHER ELEMENTS TO EXPOSE STUDS AND ACCOMMODATE NEW PERIMETER WALL INTERIOR CONSTRUCTION. (D05)

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot

Lothrop Associates Architects D.P.C.

333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
1	02-28-2025	ALTERNATE 3

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

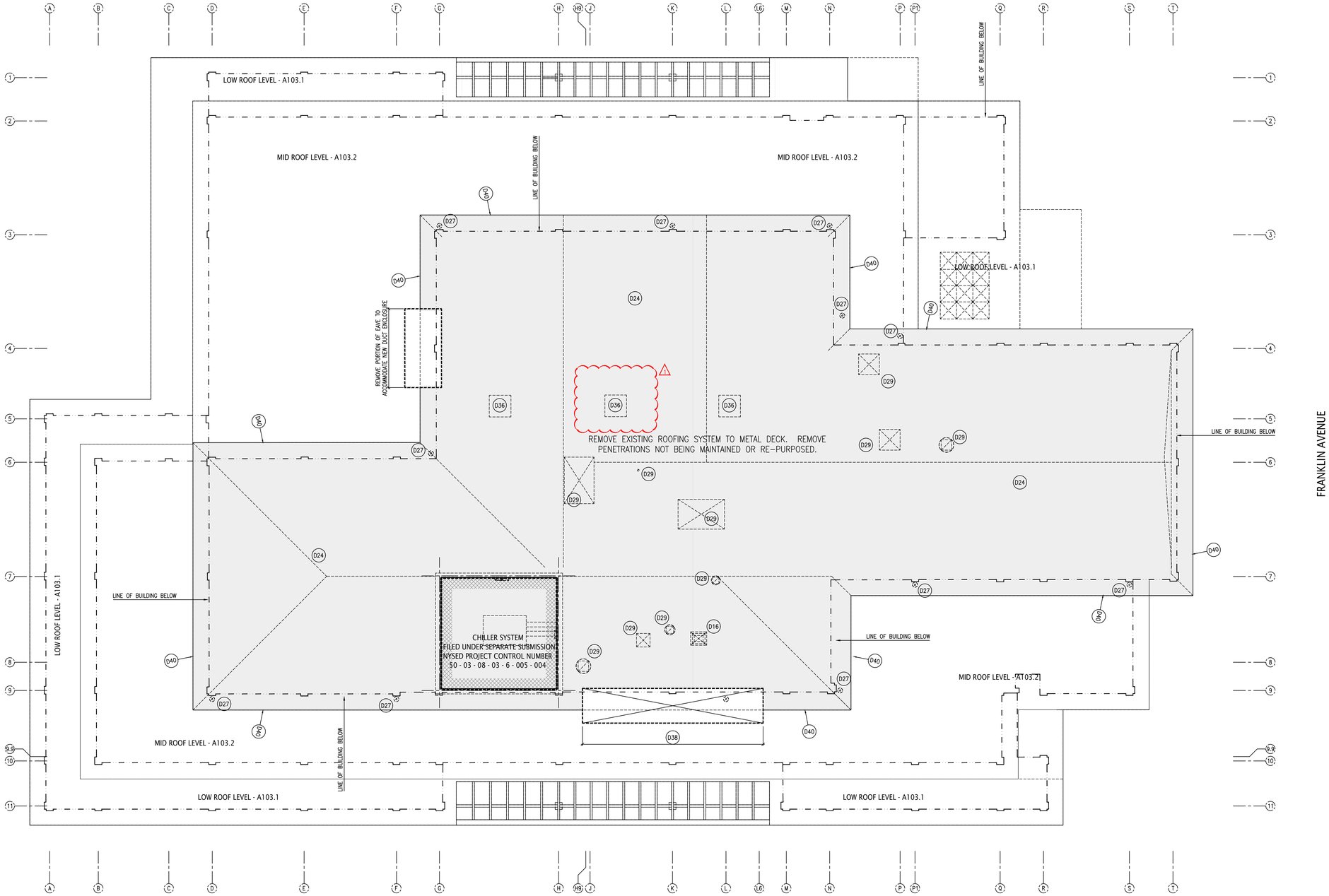
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3

SECOND FLOOR DEMOLITION PLAN

PROJECT NO.: 2578-02 | 1/8"=1'-0"

DRAWING NO.: ALTERNATE 3
A102



SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.

333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
4	02-28-2025	ALTERNATE 3
3	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
2	06-05-2024	ISSUED TO SED FOR PERMIT
1	05-15-2024	95% PROGRESS PRINT
	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

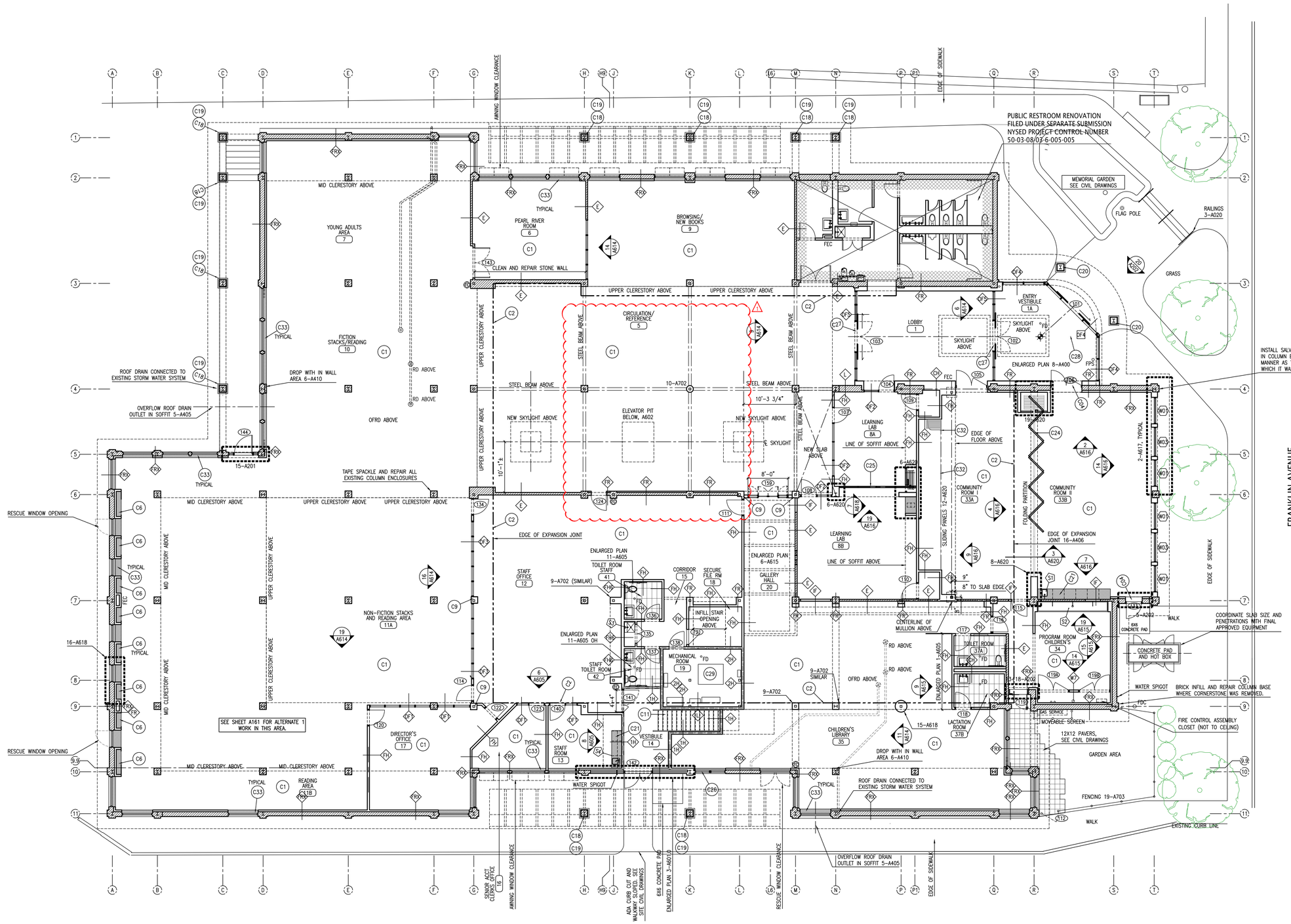
ALTERNATE 3

HIGH ROOF DEMOLITION PLAN

PROJECT NO.: 2578-02

1/8"=1'-0"

DRAWING NO.: ALTERNATE 3
A103.3



PROVIDE 150 SQUARE FEET OF ADDITIONAL BRICK REPAIR AND RESTORATION USED AT THE DISCRETION OF THE ARCHITECT

PROVIDE 150 SQUARE FEET OF ADDITIONAL FLOOR SLAB DEMOLITION AND REPLACEMENT FOR ADDITIONAL AREAS DESIGNATED BY THE ARCHITECT IN THE FIELD.

OUTLETS AND OTHER DEVICES REQUIRING JUNCTION BOXES ON THE INSIDE FACE OF PERIMETER WALLS, SHALL HAVE JUNCTION BOXES THAT FIT INTO A 2–1/2" METAL STUD PARTITION

IN BASE BID, PROVIDE 30 LINEAL FEET OF ADDITIONAL FASCIA REPLACEMENT TO MATCH THE EXISTING FASCIA FOR REPAIR AREAS DESIGNATED BY THE ARCHITECT IN THE FIELD.

PROVIDE INTERIOR AIR BARRIER AROUND ENTIRE BUILDING INTERIOR TO MEET THE DESIGNATED AIR LEAKAGE REQUIREMENTS. SEAL AND INTEGRATE AIR BARRIER SYSTEM WITH WINDOW INSTALLATION, HVAC INSTALLATION, PENETRATIONS AND OTHER JOINTS. PROVIDE BLOWER DOOR TESTING AND REPORT TO CONFIRM AIR LEAKAGE COMPLIANCE.

WINDOW REPLACEMENT FILED UNDER NYSED PROJECT CONTROL NUMBER 50–03–08–03–6–005–007

SUPPLEMENT AND PROVIDE SHEET AIR BARRIERS IN AREAS WITHOUT THE INTEGRATED INSULATED AIR BARRIER PANELS. LAP AND INTEGRATE SHEET AIR BARRIERS INTO THE INSULATED AIR BARRIER PANEL AND WEATHER BARRIER SYSTEM TO ACHIEVE AIR TIGHTNESS REQUIREMENTS.

PROVIDE AND COORDINATE BLOCKING REQUIREMENTS WITH EQUIPMENT, MILLWORK AND OTHER WALL MOUNTED ELEMENTS. BLOCKING CAN BE METAL STUD FRAMING MOUNTED BETWEEN STUDS; 3/4 INCH THICK FIRE TREATED PLYWOOD MOUNTED BEHIND THE GYPSUM WALL BOARD; OR 18 GAUGE SHEET METAL MOUNTED BEHIND THE GYPSUM WALL BOARD AND SPANNING ACROSS AT LEAST THREE STUDS.

OVER THE ENTIRE INTERIOR FIRST FLOOR SLAB: PROVIDE (BASIS OF DESIGN) STONEHARD LIQUID ELEMENTS SYSTEM OVER OP2 GROUT. SYSTEM CONSISTS OF OP2 PRIMER, OP2 GROUT AND LIQUID ELEMENTS COATING. SEE SPECIFICATION FOR COMPLETE INFORMATION.

SEE SLAB MOISTURE AND CHLORIDE REPORT AND COORDINATE FLOOR MANUFACTURER'S INSTALLATION REQUIREMENTS.

PERIMETER (EXTERIOR) WALLS SHALL RECEIVE NEW FURRING, AIR BARRIER AND INSULATION. 10–A631

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST.
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	02-28-2025	ALTERNATE 3
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

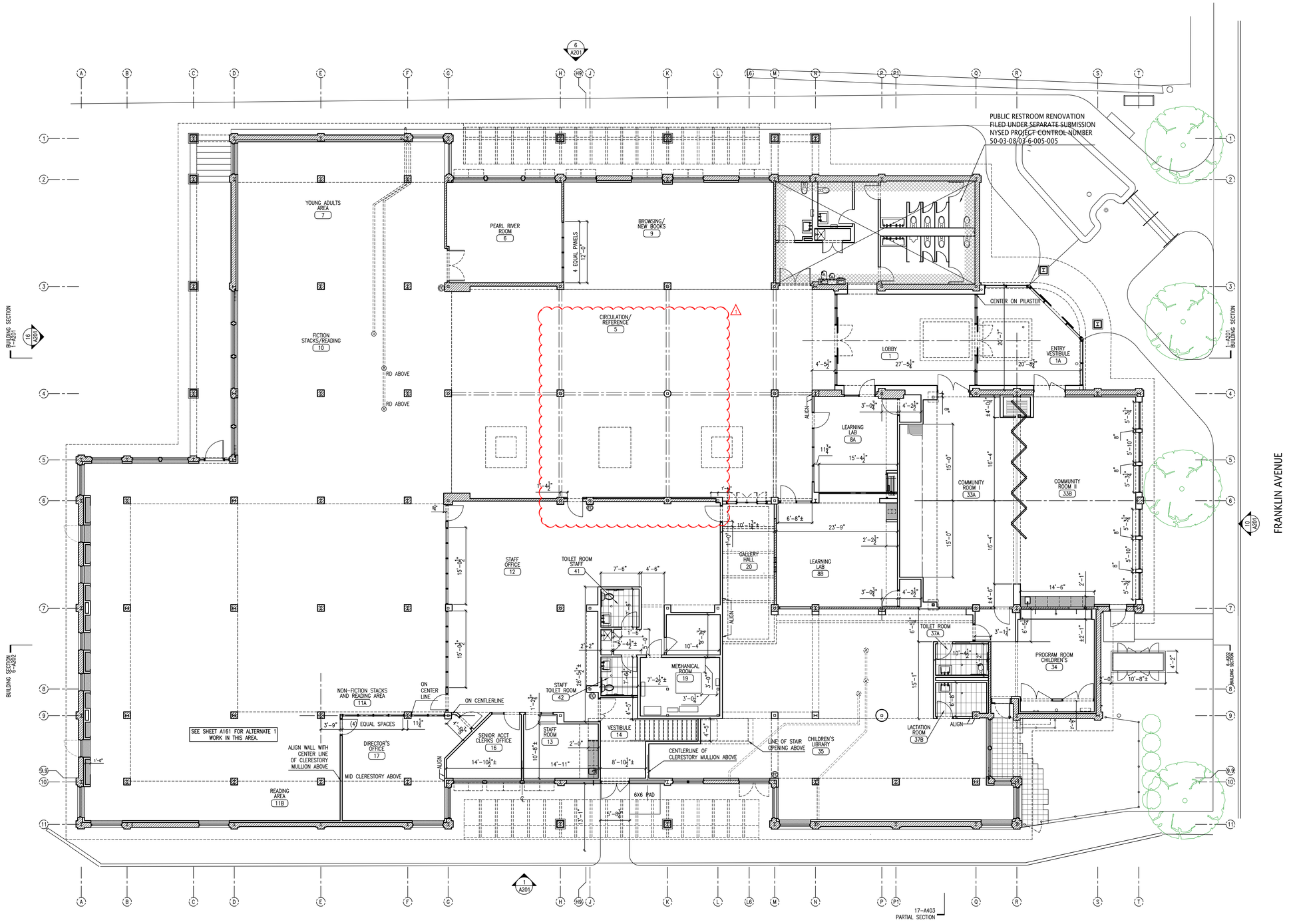
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3
FIRST FLOOR CONSTRUCTION PLAN

PROJECT NO.: 2578-02
1/8"=1'-0"

DRAWING NO.: ALTERNATE 3
A111.1



SEE A001 – A003 FOR NOTES AND LEGENDS

Lothrop
Associates Architects D.P.C.

333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	02-28-2025	ALTERNATE 3
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

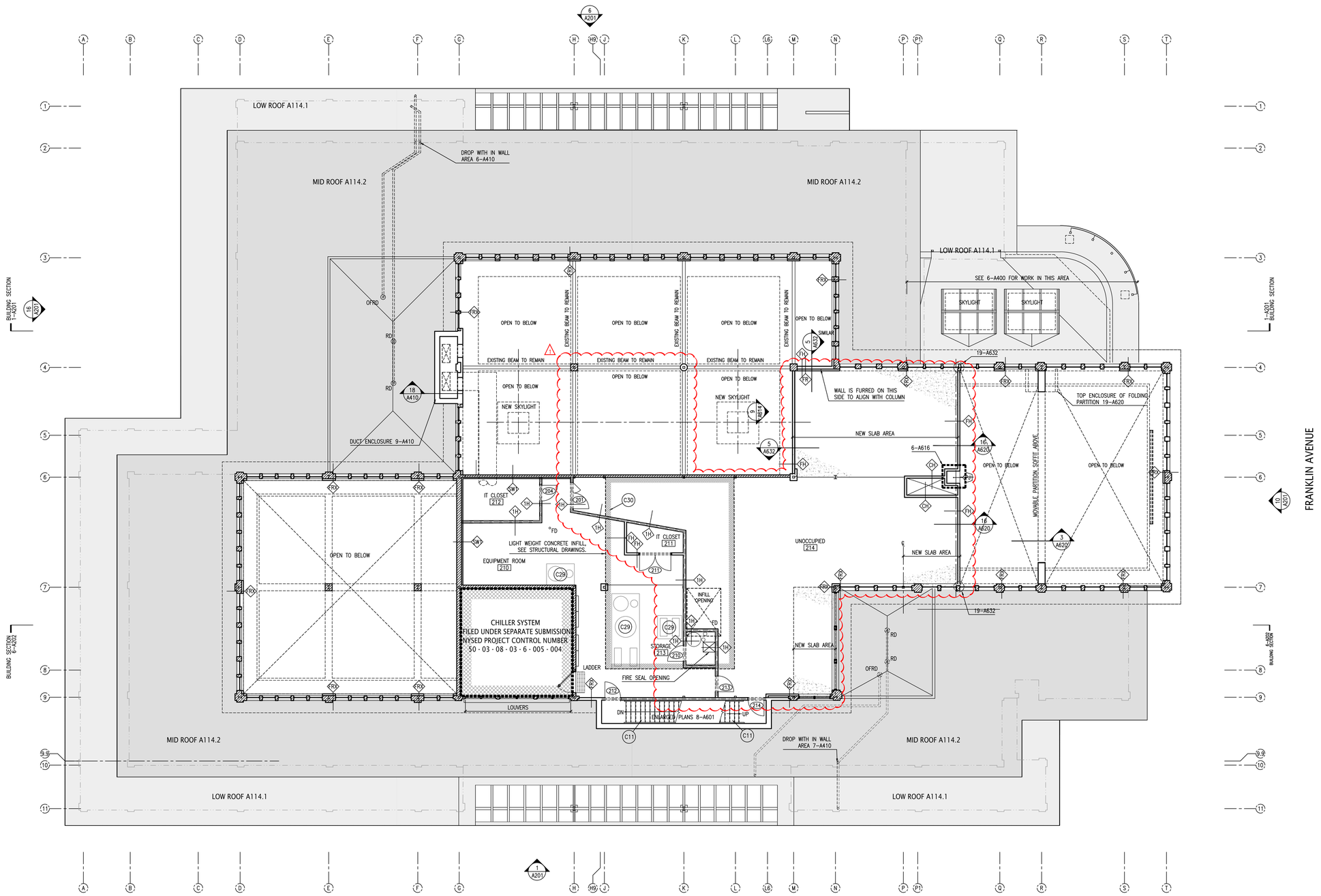
ALTERNATE 3

FIRST FLOOR DIMENSION PLAN

PROJECT NO.: 2578-02 | 1/8"=1'-0"

DRAWING NO.: ALTERNATE 3
A111.2

one eighth inch = one foot
0 4 8 16



OUTLETS AND OTHER DEVICES REQUIRING JUNCTION BOXES ON THE INSIDE FACE OF PERIMETER WALLS, SHALL HAVE JUNCTION BOXES THAT FIT INTO A 2–1/2" METAL STUD PARTITION.

PROVIDE INTERIOR AIR BARRIER AROUND ENTIRE BUILDING INTERIOR TO MEET THE DESIGNATED AIR LEAKAGE REQUIREMENTS. SEAL AND INTEGRATE AIR BARRIER SYSTEM WITH WINDOW INSTALLATION, HVAC INSTALLATION, PENETRATIONS AND OTHER JOINTS. PROVIDE BLOWER DOOR TESTING AND REPORT TO CONFIRM AIR LEAKAGE COMPLIANCE.

WINDOW REPLACEMENT FILED UNDER NYSED PROJECT CONTROL NUMBER 50–03–08–03–6–005–007

SUPPLEMENT AND PROVIDE SHEET AIR BARRIERS IN AREAS WITHOUT THE INTEGRATED INSULATED AIR BARRIER PANELS. LAP AND INTEGRATE SHEET AIR BARRIERS INTO THE INSULATED AIR BARRIER PANEL AND WEATHER BARRIER SYSTEM TO ACHIEVE AIR TIGHTNESS REQUIREMENTS.

PROVIDE AND COORDINATE BLOCKING WITH EQUIPMENT, MILLWORK AND OTHER WALL MOUNTED ELEMENTS. BLOCKING CAN BE METAL STUD FRAMING MOUNTED BETWEEN STUDS; 3/4 INCH THICK FIRE TREATED PLYWOOD MOUNTED BEHIND THE GYPSUM WALL BOARD; OR 18 GAUGE SHEET METAL MOUNTED BEHIND THE GYPSUM WALL BOARD AND SPANNING ACROSS AT LEAST THREE STUDS.

SEE ROOF PLAN A114.1 – A114.3 FOR ROOF WORK

PERIMETER (EXTERIOR) WALLS SHALL RECEIVE NEW FURRING, AIR BARRIER AND INSULATION. 10–A631

SEE A001 – A003 FOR NOTES AND LEGENDS

IN BASE BID, PROVIDE 30 LINEAL FEET OF ADDITIONAL FASCIA REPLACEMENT TO MATCH THE EXISTING FASCIA FOR REPAIR AREAS DESIGNATED BY THE ARCHITECT IN THE FIELD.

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	02-28-2025	ALTERNATE 3
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

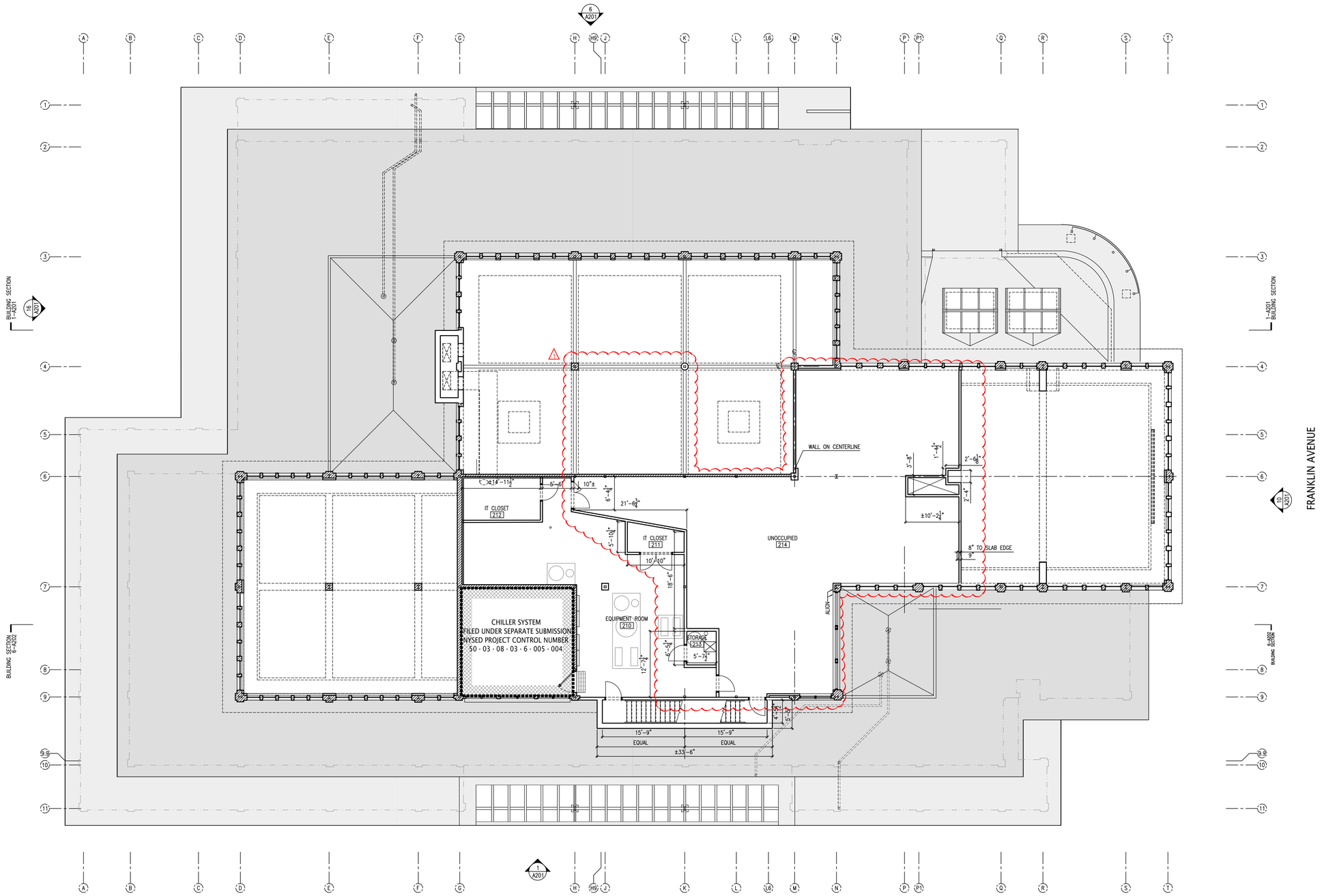
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3

SECOND FLOOR CONSTRUCTION PLAN

PROJECT NO.: 2578-02 | 1/8"=1'-0"

DRAWING NO.: ALTERNATE 3
A113.1



SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot

Lothrop Associates Architects D.P.C.

333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	02-28-2025	ALTERNATE 3
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

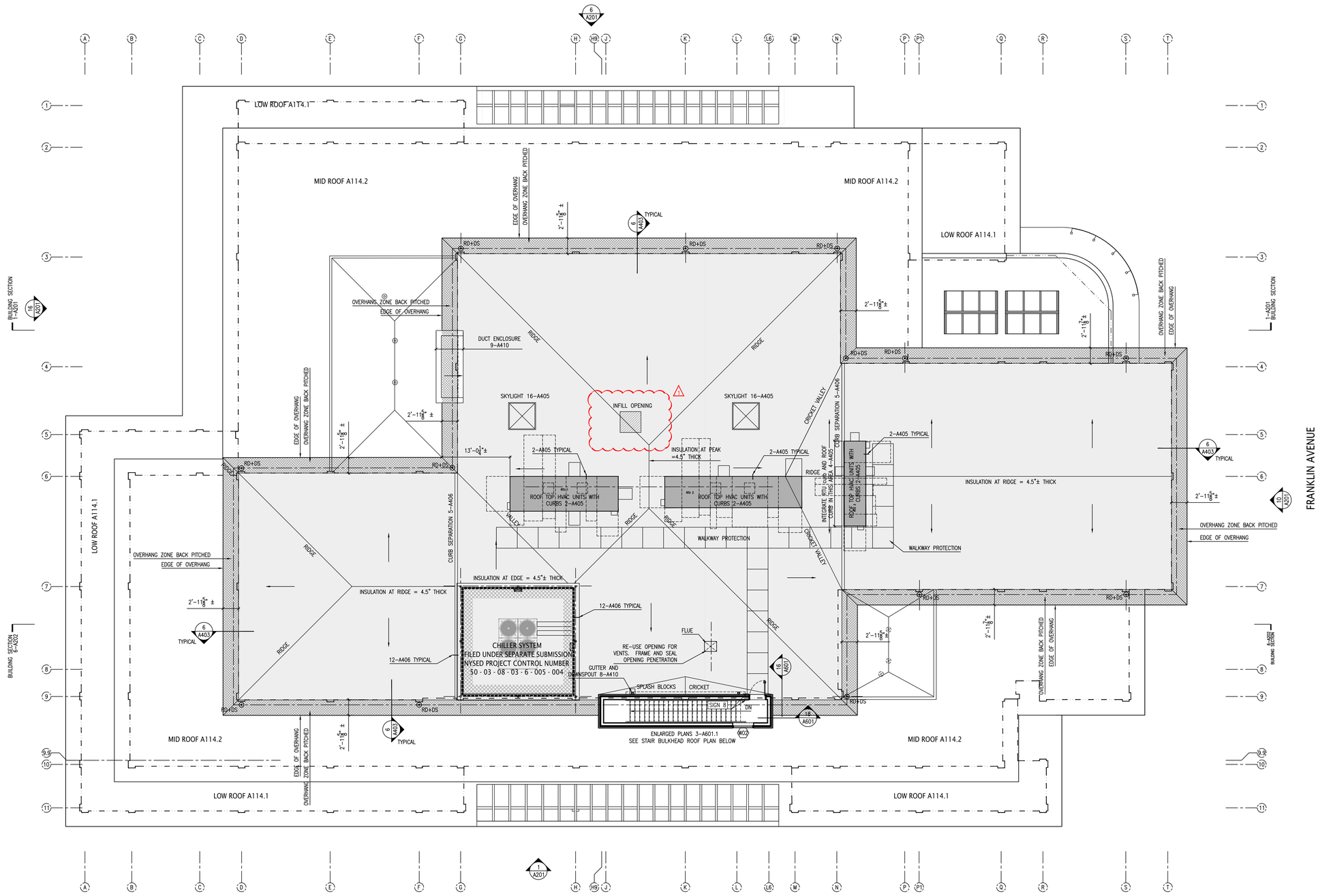
ALTERNATE 3

SECOND FLOOR DIMENSION PLAN

PROJECT NO.: 2578-02

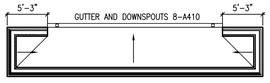
1/8"=1'-0"

DRAWING NO.: ALTERNATE 3 A113.2



INSULATE THE ENTIRE "UNDERSIDE OF ROOF DECK" AREAS WITH CLOSED CELL SPRAY INSULATION. SEAL AND INSULATE ROOF/WALL INTERSECTIONS TO FORM A CONTINUOUS AIR BARRIER FROM THE SLAB ON GRADE THROUGHOUT THE BUILDING.

ROOFTOP UNIT (RTU) LEGEND	
RTU 1	5'-5" HIGH PLUS CURB
RTU 2	5'-2 1/2" HIGH PLUS CURB
RTU 3	3'-5 1/4" HIGH PLUS CURB



A STAIR BULKHEAD ROOF PLAN
1/8" = 1'-0"

ALL ROOF DRAINS CONCEALED DRAIN PIPE LEADERS ARE PROVIDED BY THE PLUMBING CONTRACTOR. ROOF DRAIN LEADERS EXPOSED BELOW THE EAVE DRAIN ON THE BUILDING EXTERIOR ARE PROVIDED BY THE GENERAL CONTRACTOR.

ROOF SYSTEM SHALL RESIST 115 MPH WIND ZONE REQUIREMENTS. PROVIDE SHOP DRAWINGS AND MANUFACTURER DOCUMENTATION DEMONSTRATING COMPLIANCE.

SUPPLEMENT AND PROVIDE SHEET AIR BARRIERS IN AREAS WITHOUT THE INTEGRATED INSULATED AIR BARRIER PANELS. LAP AND INTEGRATE INTO THE INSULATED AIR BARRIER PANELS AND WEATHER BARRIER.

REPLACE EXISTING ROOF DRAINS, LEADERS, DOWNSPOUTS WITH NEW COPPER LEADERS AND DOWNSPOUTS TO MATCH EXISTING.

PROVIDE INTERIOR AIR BARRIER AROUND ENTIRE BUILDING INTERIOR TO MEET THE DESIGNATED AIR LEAKAGE REQUIREMENTS. SEAL AND INTEGRATE AIR BARRIER SYSTEM WITH WINDOW INSTALLATION, HVAC INSTALLATION, PENETRATIONS AND OTHER JOINTS. PROVIDE BLOWER DOOR TESTING AND REPORT TO CONFIRM AIR LEAKAGE COMPLIANCE.

PROVIDE NEW TAPERED INSULATION, COVER BOARD AND EPDM ROOF MEMBRANE. AT UNDERSIDE OF DECK PROVIDE SPRAY INSULATION > R30.

OVER ENTIRE ROOF: INFILL ABANDONED OPENINGS NOT RE-PURPOSED. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

EXISTING ROOF STEEL IS SLOPED FOR DRAINAGE. EXISTING INSULATION IS NOT TAPERED. NEW ROOF INSULATION SHALL BE TAPERED TO INCREASE THE DRAINAGE PITCH.

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	02-28-2025	ALTERNATE 3
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

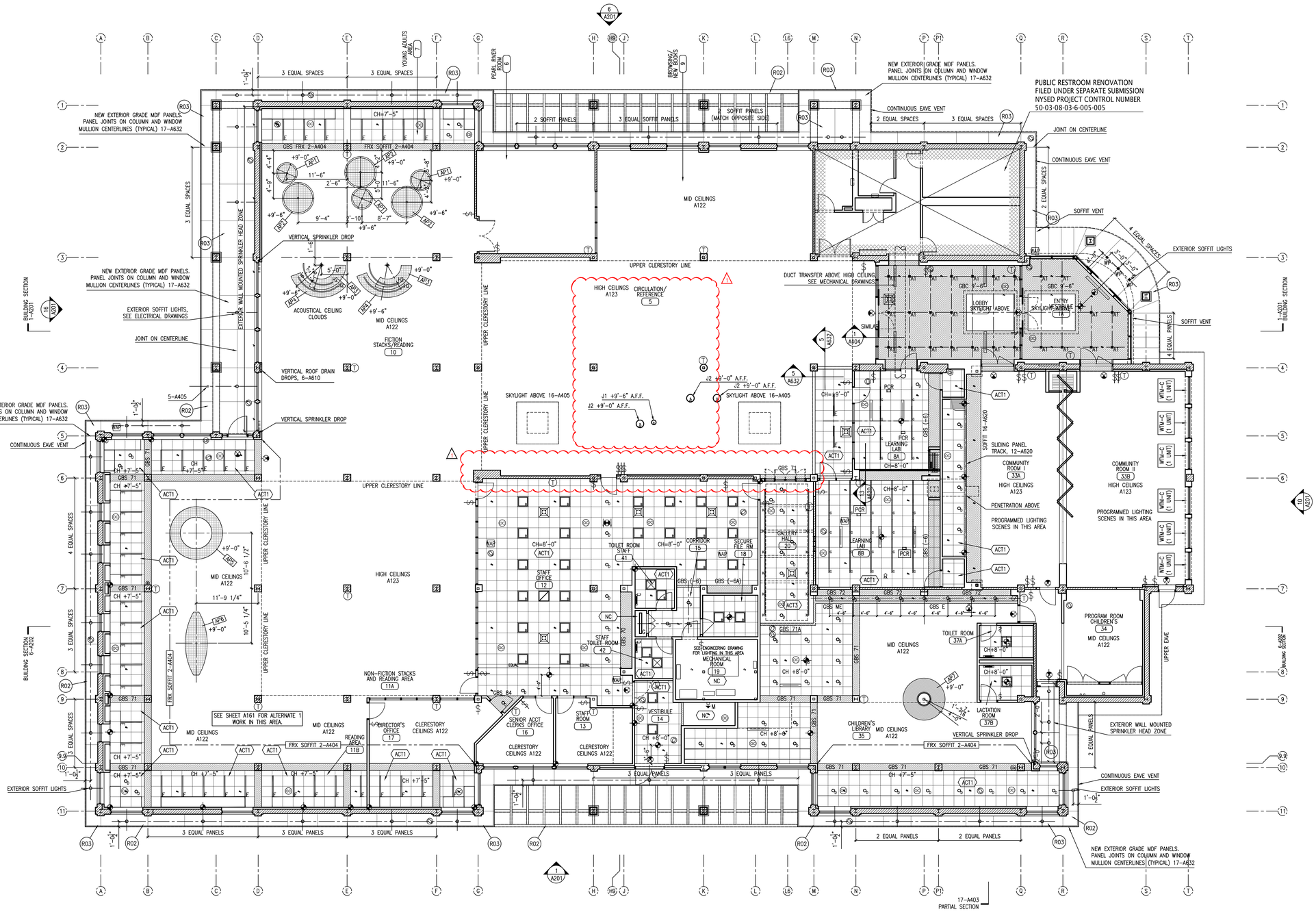
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3
HIGH ROOF CONSTRUCTION PLAN

PROJECT NO.: 2578-02
1/8"=1'-0"

DRAWING NO.: ALTERNATE 3
A114.3



ALL CEILING HUNG FIXTURES, ACOUSTICAL GRID AND PANELS SHALL BE SUSPENDED FROM STRUCTURE ABOVE. CONNECTIONS TO THE METAL DECK IS NOT PERMITTED. PROVIDE UNISTRUT OR OTHER ACCEPTABLE BRIDGING BETWEEN JOISTS AND BEAMS FOR SUSPENDED ELEMENTS.

PAINT UNDERSIDE OF SOFFITS BRIGHT WHITE WITH FLAT FINISH. SOFFIT FASCIAS SHALL MATCH THE ADJACENT WALL COLOR.

PAINT EXPOSED SPRINKLER PIPES SERVING THE CEILING CLOUDS SPRINKLER HEADS

AFTER REMOVAL OF THE EXISTING EXTERIOR SOFFITS AND BEFORE INSTALLATION OF THE NEW SOFFITS: COMPLETE PERIMETER WALL AIR AND WEATHER BARRIER INSTALLATION AND SPRAY INSULATION OF THE UNDERSIDE OF THE METAL DECK THROUGHOUT THE EAVE AREAS.

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	02-28-2025	ALTERNATE 3
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

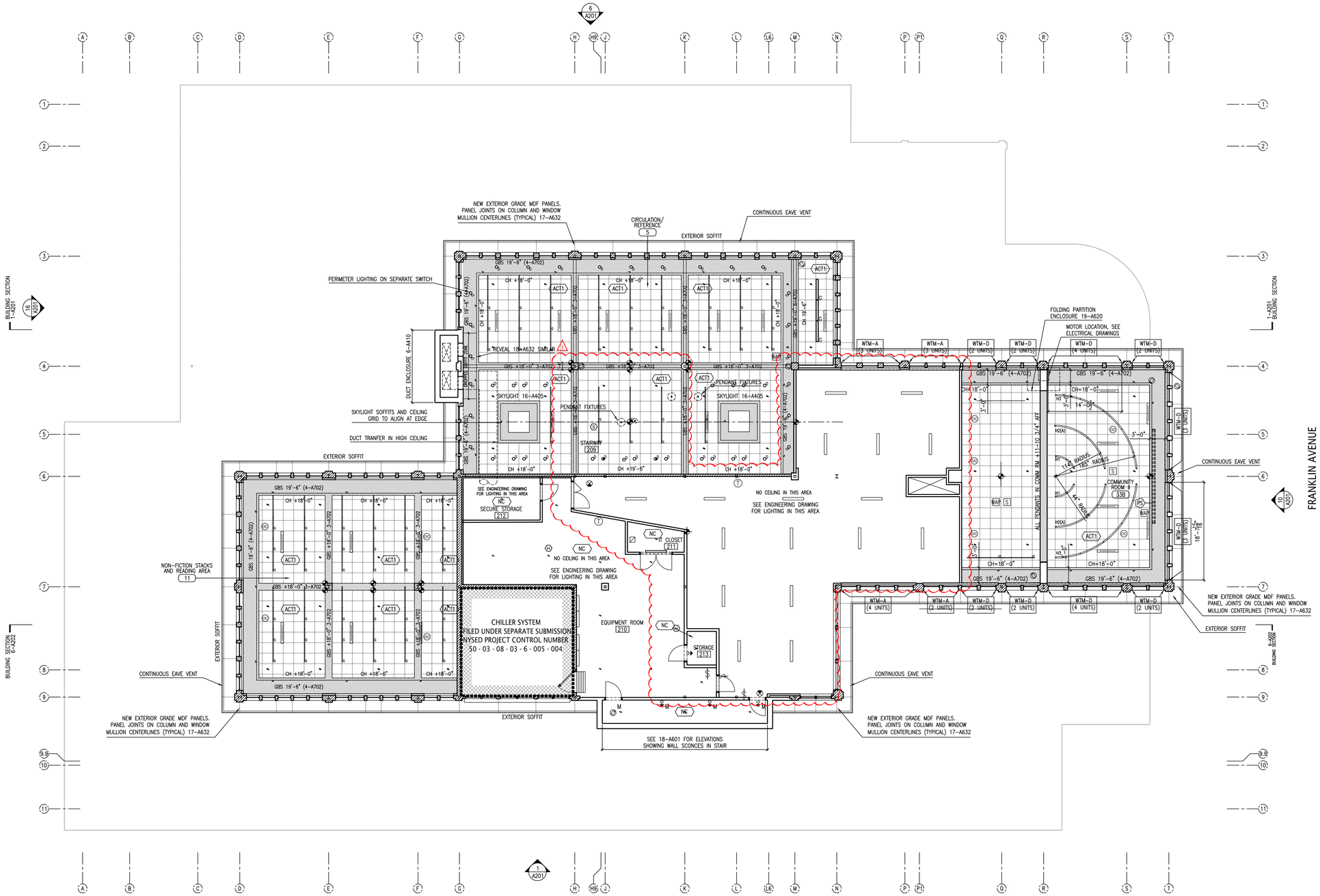
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3
FIRST FLOOR REFLECTED CEILING PLAN

PROJECT NO.: 2578-02 | 1/8"=1'-0"

DRAWING NO.: ALTERNATE 3
A121



ALL CEILING HUNG FIXTURES, ACOUSTICAL GRID AND PANELS SHALL BE SUSPENDED FROM STRUCTURE ABOVE. CONNECTIONS TO THE METAL DECK IS NOT PERMITTED. PROVIDE UNISTRUT OR OTHER ACCEPTABLE BRIDGING BETWEEN JOISTS AND BEAMS FOR SUSPENDED ELEMENTS.

PAINT UNDERSIDE OF SOFFITS BRIGHT WHITE WITH FLAT FINISH. SOFFIT FASCIAS SHALL MATCH THE ADJACENT WALL COLOR.

PAINT EXPOSED SPRINKLER PIPES SERVING THE CEILING CLOUDS SPRINKLER HEADS

AFTER REMOVAL OF THE EXISTING EXTERIOR SOFFITS AND BEFORE INSTALLATION OF THE NEW SOFFITS: COMPLETE PERIMETER WALL AIR AND WEATHER BARRIER INSTALLATION AND SPRAY INSULATION OF THE UNDERSIDE OF THE METAL DECK THROUGHOUT THE EAVE AREAS.

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.

333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

1	02-28-2025	ALTERNATE 3
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
ISSUE NO.		DESCRIPTION

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

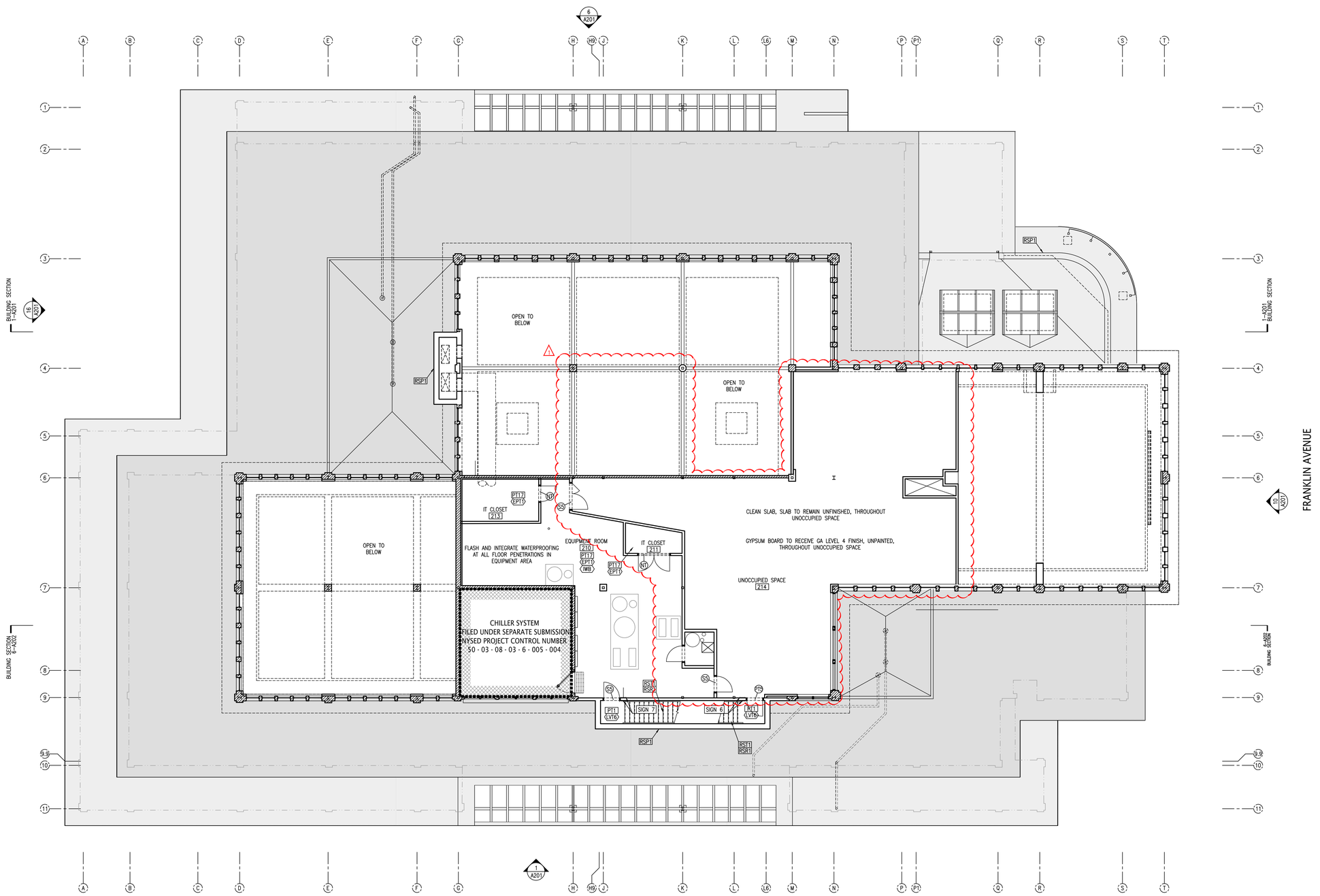
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3

SECOND FLOOR
HIGH REFLECTED
CEILING PLAN

PROJECT NO.: 2578-02 | 1/8"=1'-0"

DRAWING NO.: ALTERNATE 3
A123



PAINT HOLLOW METAL DOORS AND FRAMES PT8 UNLESS OTHERWISE NOTED.

WALLS SHALL BE PAINTED UNLESS OTHERWISE NOTED

ALL EXPOSED STEEL TO BE PAINTED UNLESS OTHERWISE NOTED

CLOSETS SHALL HAVE THE SAME FINISHES AS THE ROOMS THEY SERVE UNLESS OTHERWISE NOTED

SEE A133 FOR RENDERED FLOOR PATTERN DIMENSIONING

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 1 2 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	02-28-2025	ALTERNATE 3
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

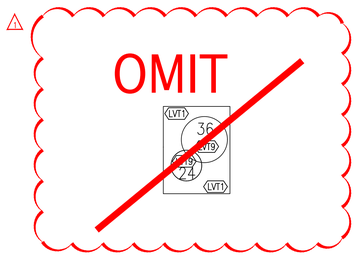
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3

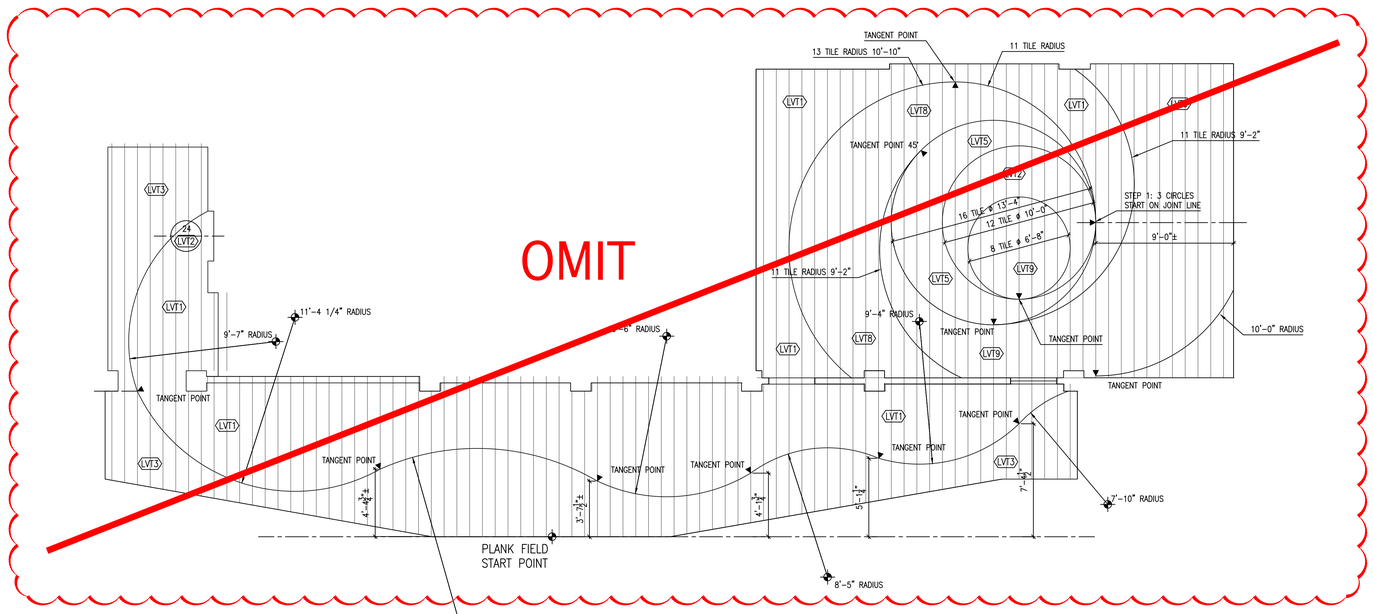
SECOND FLOOR FINISH PLAN

PROJECT NO.: 2578-02 | 1/8"=1'-0"

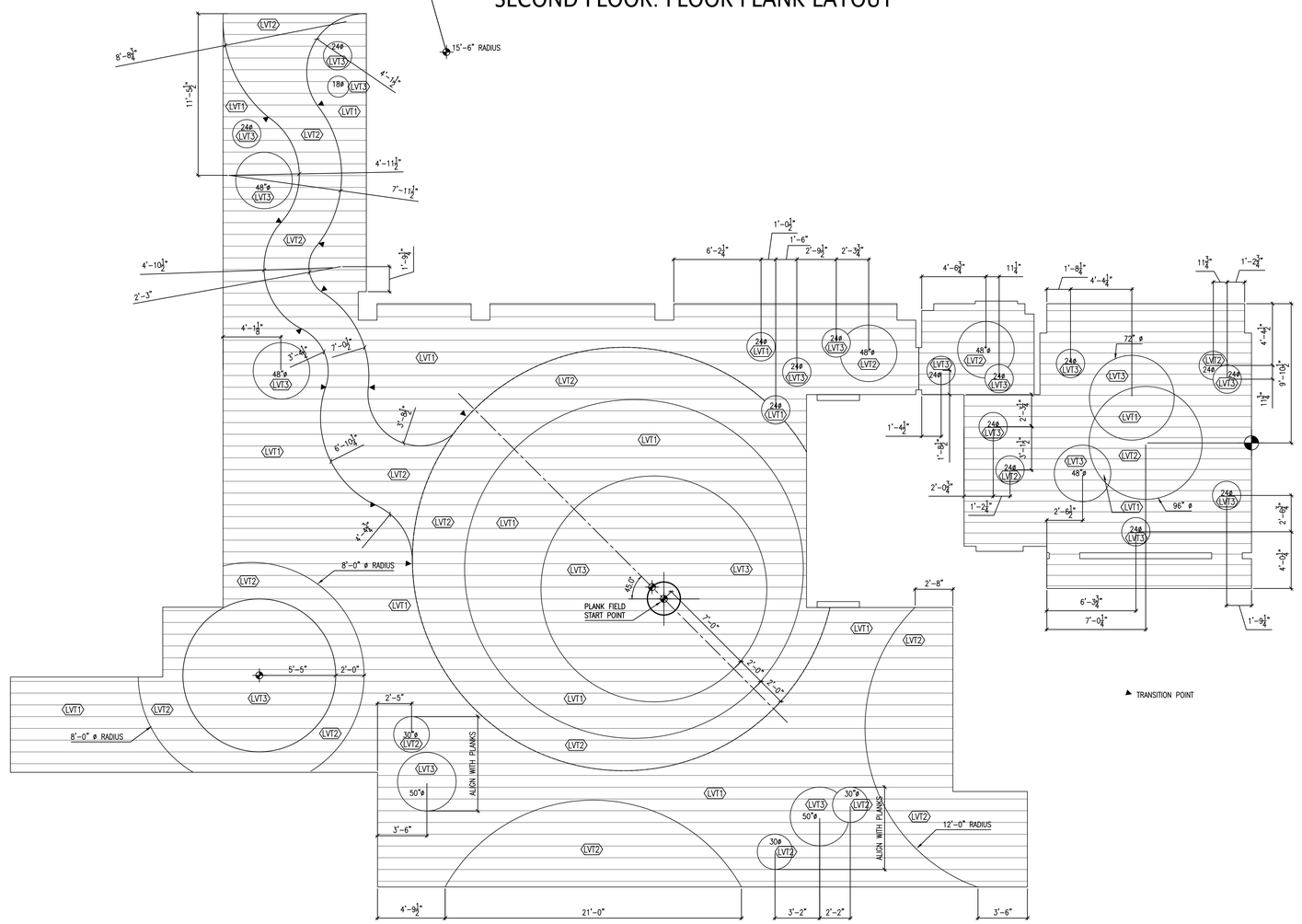
DRAWING NO.: ALTERNATE 3 A132



ELEVATOR CAB PLANK LAYOUT



SECOND FLOOR: FLOOR PLANK LAYOUT



CHILDREN LIBRARY: FLOOR PLANK LAYOUT

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT|AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
⚠1	02-28-2025	ALTERNATE 3

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

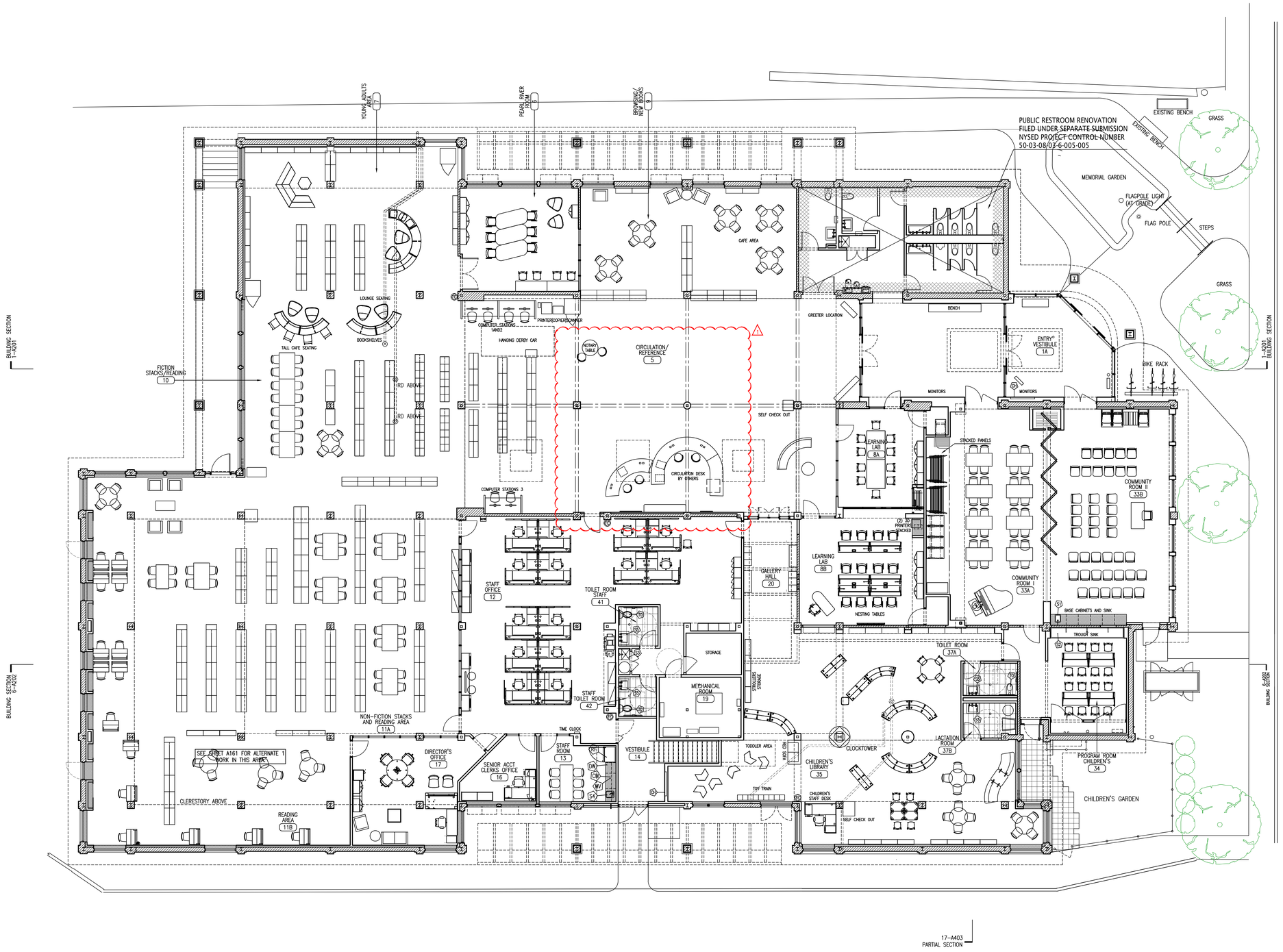
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3

FINISH PLAN LAYOUT DIMENSIONS

PROJECT NO.: 2578-02

DRAWING NO.: ALTERNATE 3
A135



FURNITURE AND OFFICE EQUIPMENT ARE PROVIDED BY OWNER. COORDINATE INSTALLATION REQUIREMENTS WITH OWNERS CONSULTANTS. CONTRACTOR SHALL MAKE FINAL ELECTRICAL CONNECTIONS.

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.

333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
1	02-28-2025	ALTERNATE 3

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

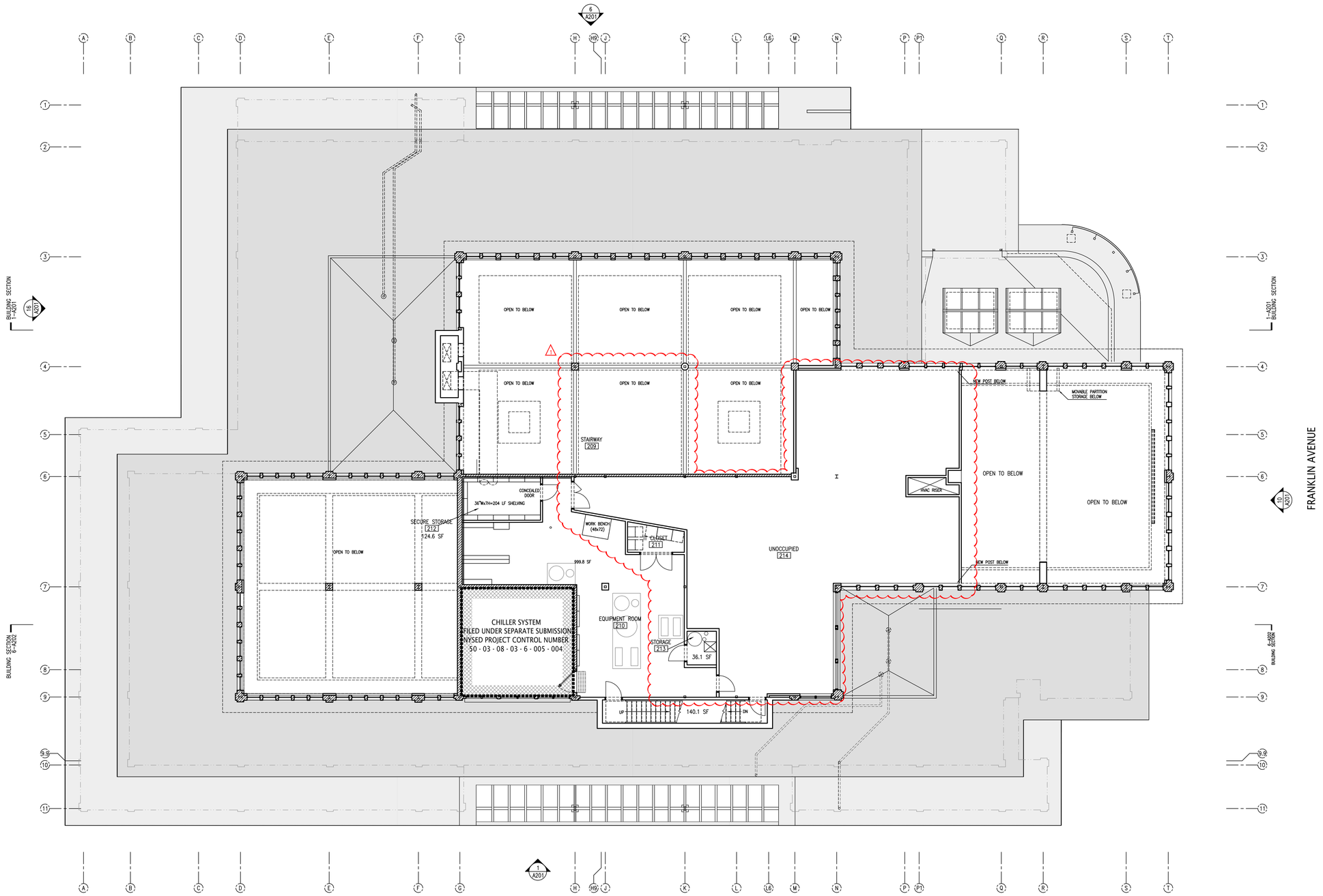
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3

FIRST FLOOR FURNITURE AND EQUIPMENT PLAN

PROJECT NO.: 2578-02 | 1/8"=1'-0"

DRAWING NO.: ALTERNATE 3
A141



FURNITURE AND OFFICE EQUIPMENT ARE PROVIDED BY OWNER. COORDINATE INSTALLATION REQUIREMENTS WITH OWNERS CONSULTANTS. CONTRACTOR SHALL MAKE FINAL ELECTRICAL CONNECTIONS.

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
1	02-28-2025	ALTERNATE 3

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

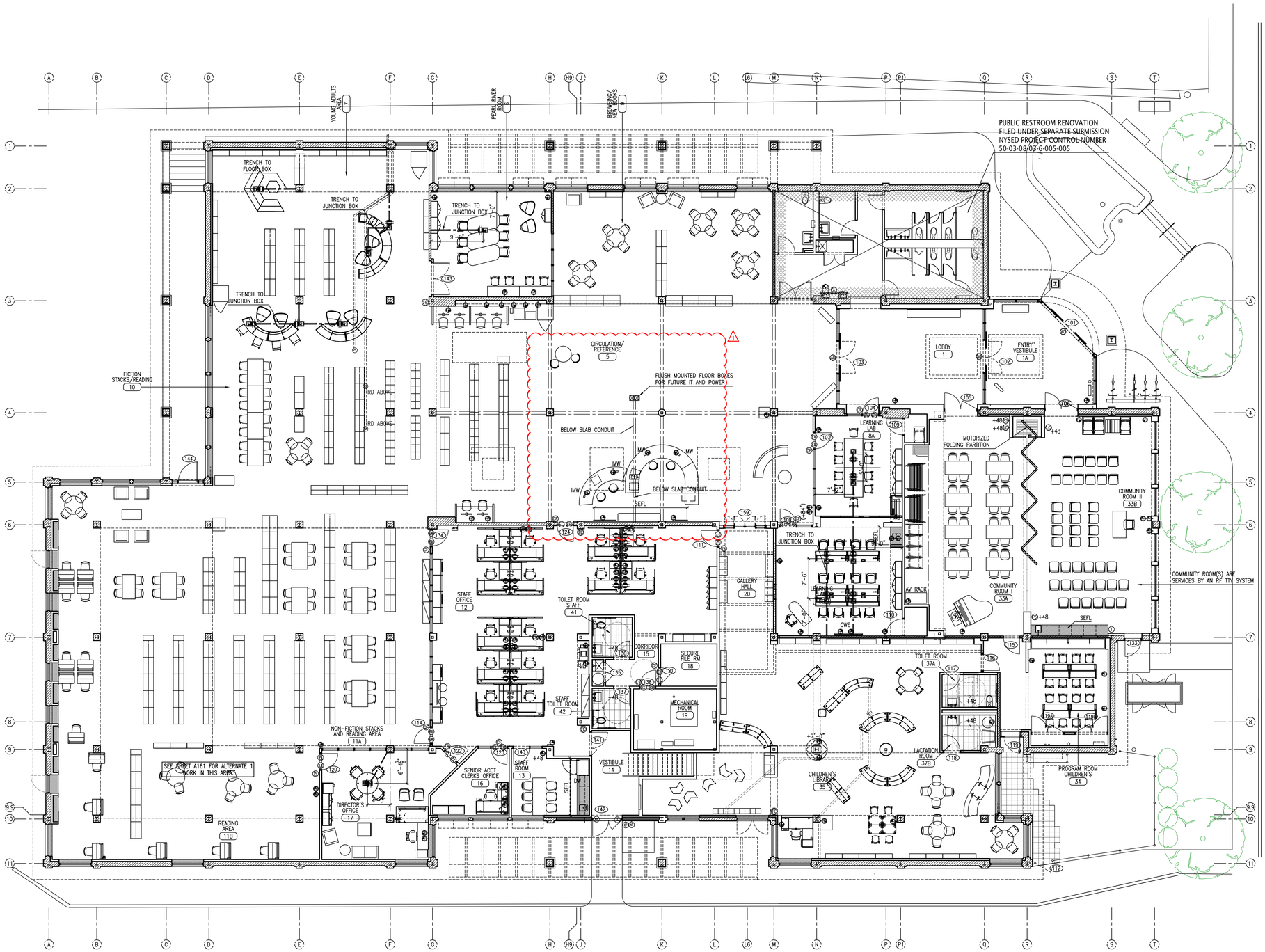
ALTERNATE 3

SECOND FLOOR FURNITURE AND EQUIPMENT PLAN

PROJECT NO.: 2578-02

1/8"=1'-0"

DRAWING NO.: ALTERNATE 3 A142



OUTLETS AND OTHER DEVICES REQUIRING JUNCTION BOXES ON THE INSIDE FACE OF PERMETER WALLS, SHALL HAVE JUNCTION BOXES THAT FIT INTO A 2-1/2" METAL STUD PARTITION

COORDINATE PLUMBING FIXTURE POWER LOCATIONS WITH FINAL SELECTED FIXTURES.

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.

333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
5	02-28-2025	ALTERNATE 3
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

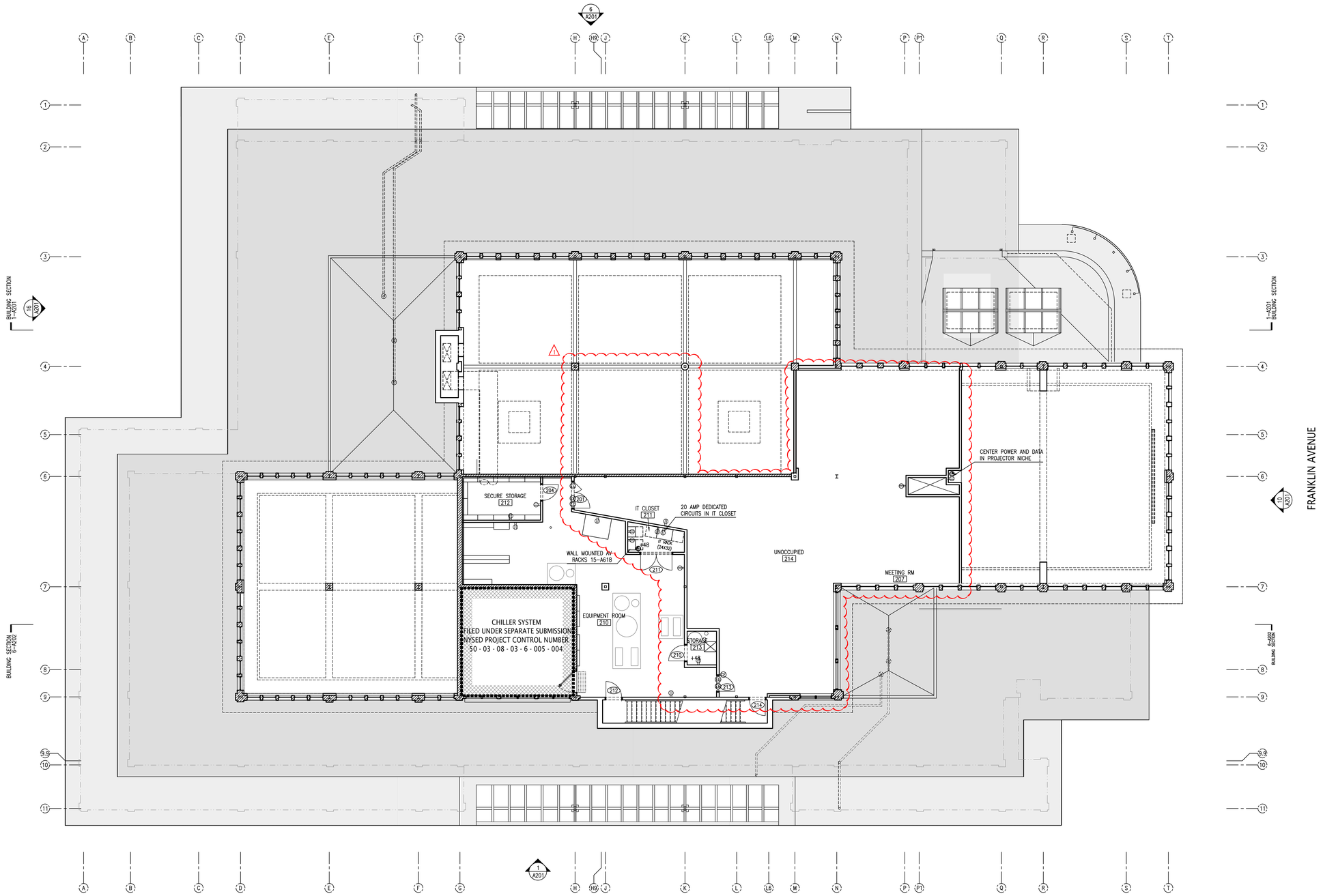
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3

FIRST FLOOR
POWER AND TELEPHONE
LOCATION PLAN

PROJECT NO.: 2578-02 | 1/8"=1'-0"

DRAWING NO.: ALTERNATE 3
A151



OUTLETS AND OTHER DEVICES REQUIRING JUNCTION BOXES ON THE INSIDE FACE OF PERMETER WALLS, SHALL HAVE JUNCTION BOXES THAT FIT INTO A 2-1/2" METAL STUD PARTITION

COORDINATE PLUMBING FIXTURE POWER LOCATIONS WITH FINAL SELECTED FIXTURES.

SEE A001 – A003 FOR NOTES AND LEGENDS

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	02-28-2025	ALTERNATE 3
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

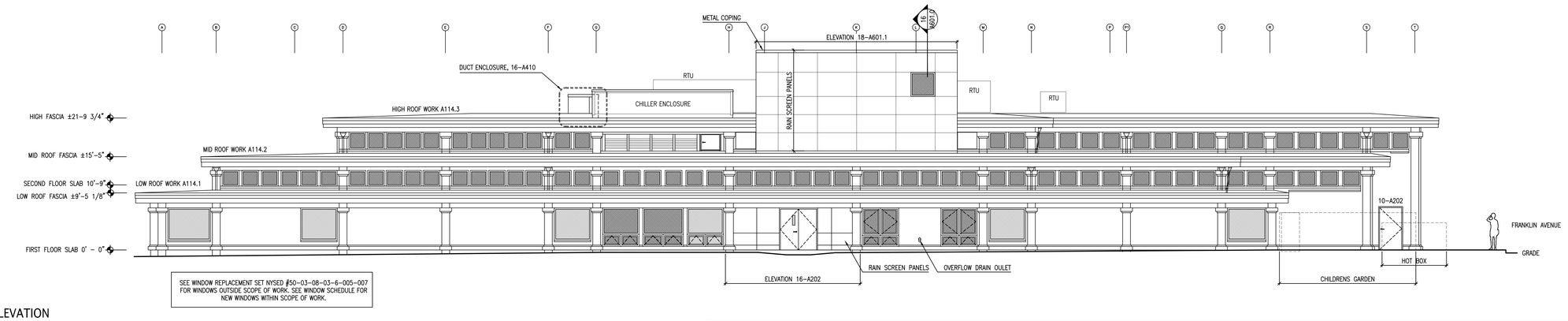
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3

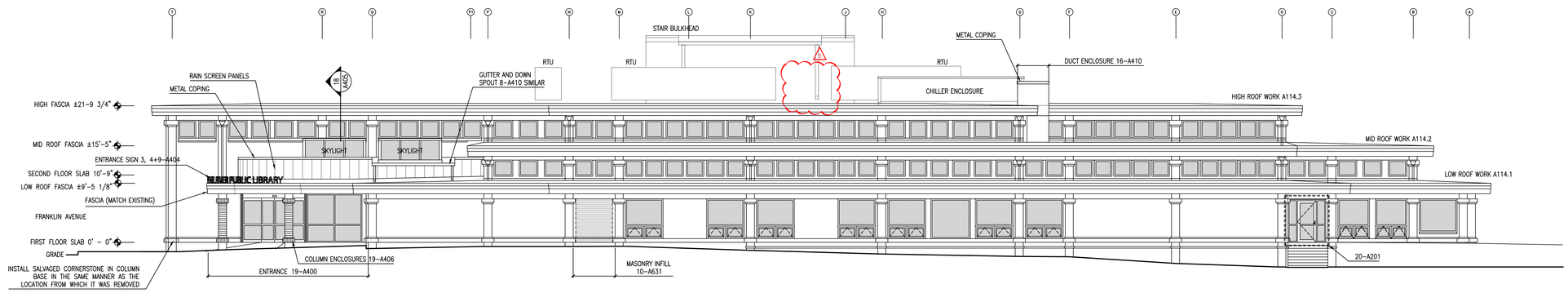
SECOND FLOOR
POWER AND LOCATION
TELEPHONE PLAN

PROJECT NO.: 2578-02 | 1/8"=1'-0"

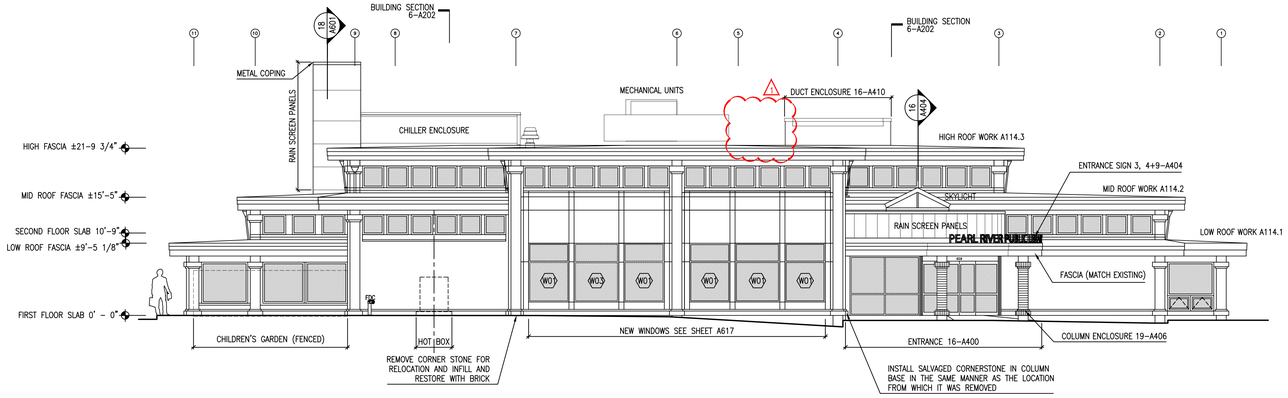
DRAWING NO.: ALTERNATE 3
A152



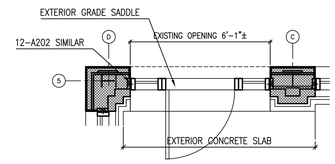
1 EAST ELEVATION
1/8"=1'-0"



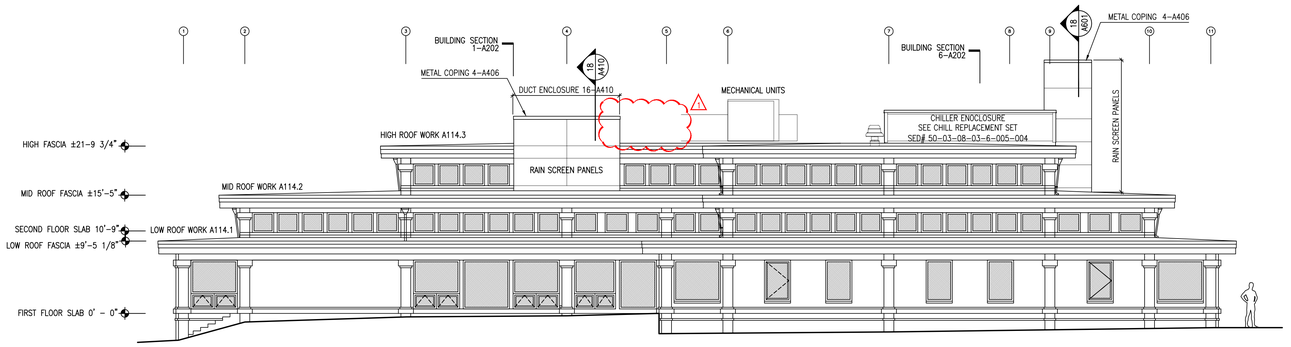
6 WEST ELEVATION
1/8"=1'-0"



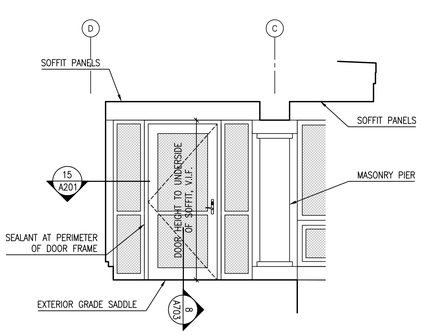
10 NORTH ELEVATION
1/8"=1'-0"



15 ENLARGED ELEVATION (DOOR 114)
3/8"=1'-0"



16 SOUTH ELEVATION
1/8"=1'-0"



20 DOOR ELEVATION (DOOR 114)
3/8"=1'-0"

one eighth inch = one foot 0 4' 8' 16'

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	02-28-2025	ALTERNATE 3
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY
80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

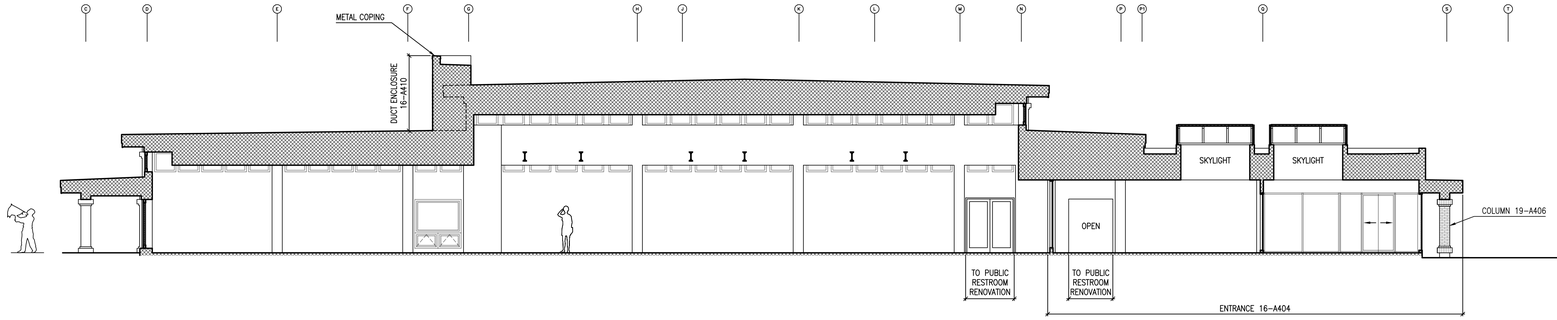
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3

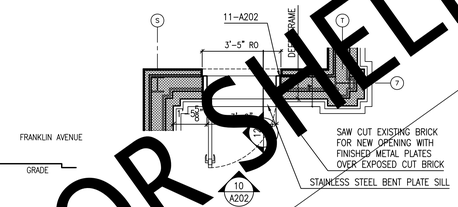
EXTERIOR ELEVATIONS

PROJECT NO.: 2578-02

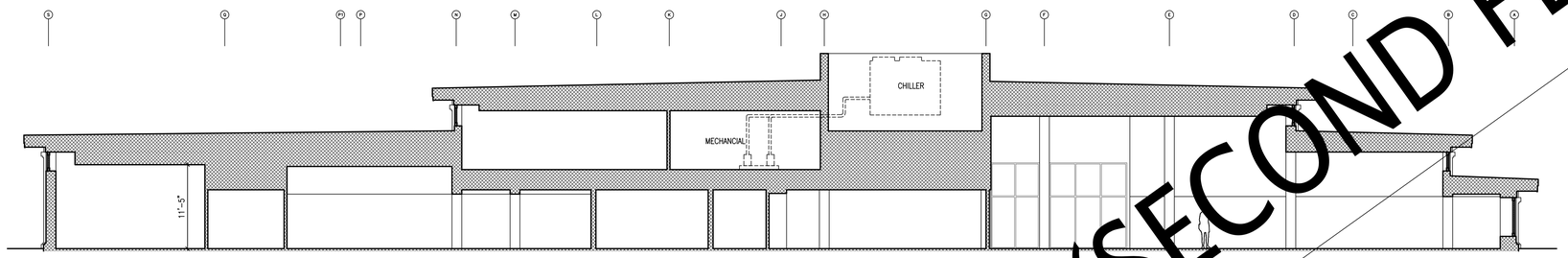
DRAWING NO.: ALTERNATE 3
A201



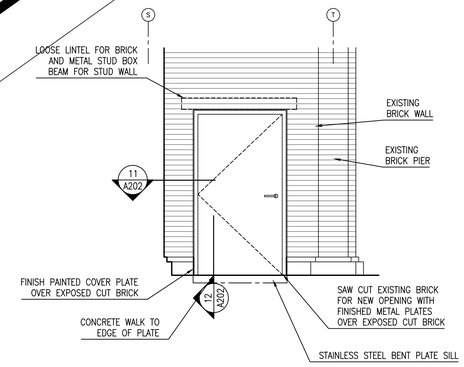
1 BUILDING SECTION BETWEEN COLUMNS 3 & 4 FACING WEST
1/8"=1'-0"



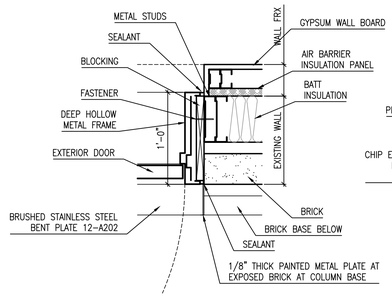
ENLARGED PLAN (DOOR 119)
3/8" = 1'-0"



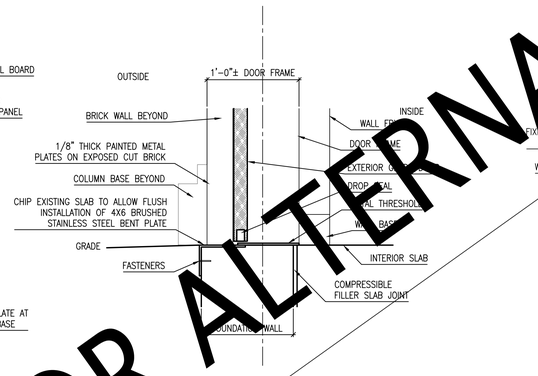
6 REFERENCE SECTION: BETWEEN COLUMNS 7 AND 8 FACING EAST
1/8"=1'-0"



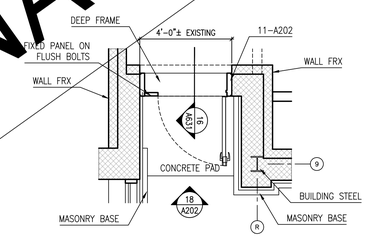
PARTIAL EAST ELEVATION (DOOR 119)
3/8" = 1'-0"



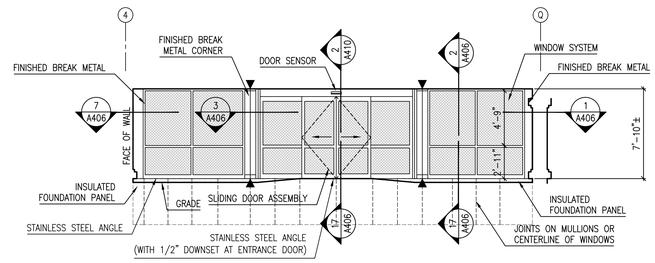
11 DOOR JAMB SECTION
1-1/2" = 1'-0"



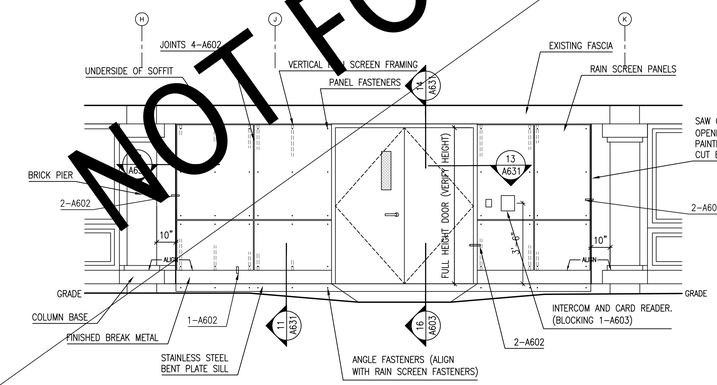
12 DOOR SILL SECTION
1-1/2" = 1'-0"



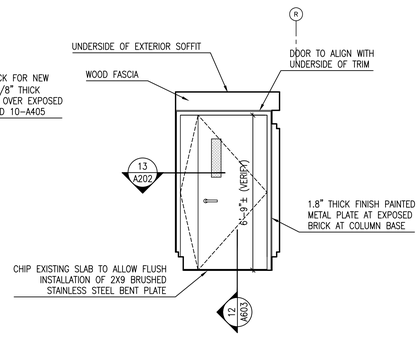
13 ENLARGED PLAN (DOOR 119)
3/8" = 1'-0"



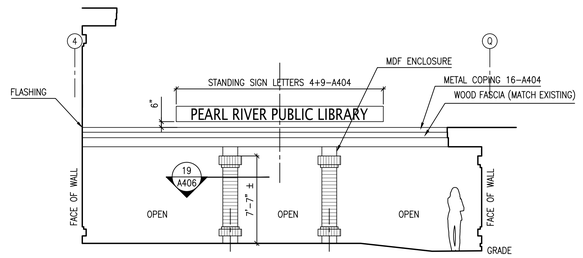
14 ENTRANCE (UNFOLDED) ELEVATION
3/16"=1'-0"



16 PARTIAL EAST ELEVATION
3/8" = 1'-0"



18 PARTIAL EAST ELEVATION (DOOR 119)
3/8" = 1'-0"



20 ENTRANCE (UNFOLDED) ELEVATION - CURTAIN WALL
3/16"=1'-0"

NOT FOR ALTERNATE 3 (SECOND FLOOR SHELL)

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT|AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
⚠	02-28-2025	ALTERNATE 3
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY
80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

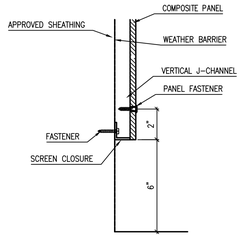
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3
BUILDING SECTIONS AND DETAILS

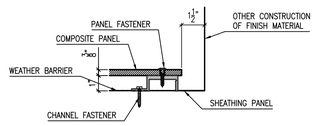
PROJECT NO.: 2578-02

DRAWING NO.: ALTERNATE 3
A202

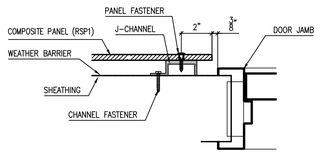
one eighth inch = one foot
0 1/8 1/4 1/2 1 2 4 8 16



1 BOTTOM PANEL SCREEN TRIM
3" = 1'-0"



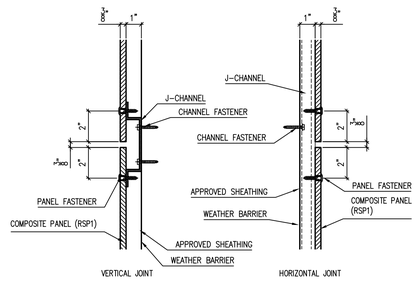
RAIN SCREEN TO WALL



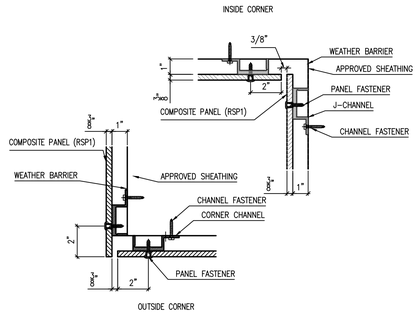
RAIN SCREEN TO JAMB

2 PANEL TRANSITION (TO OTHER MATERIALS)
3" = 1'-0"

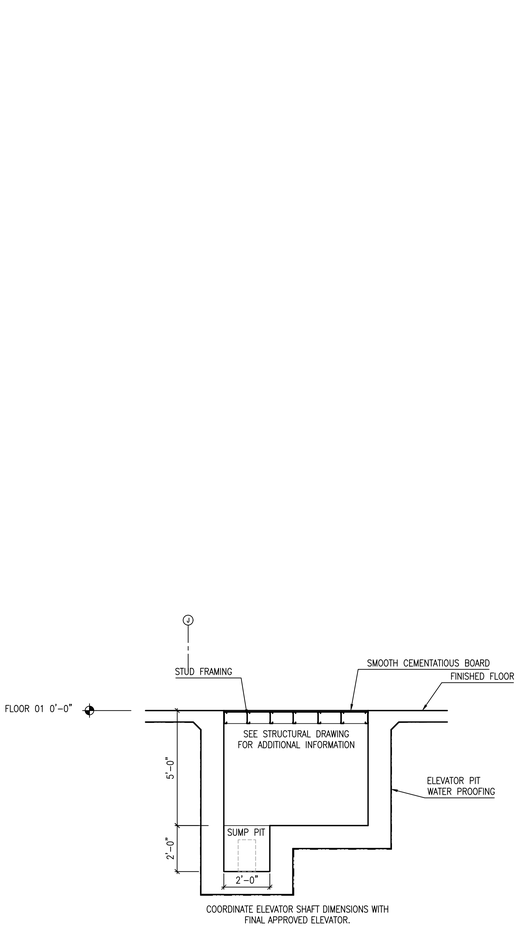
3

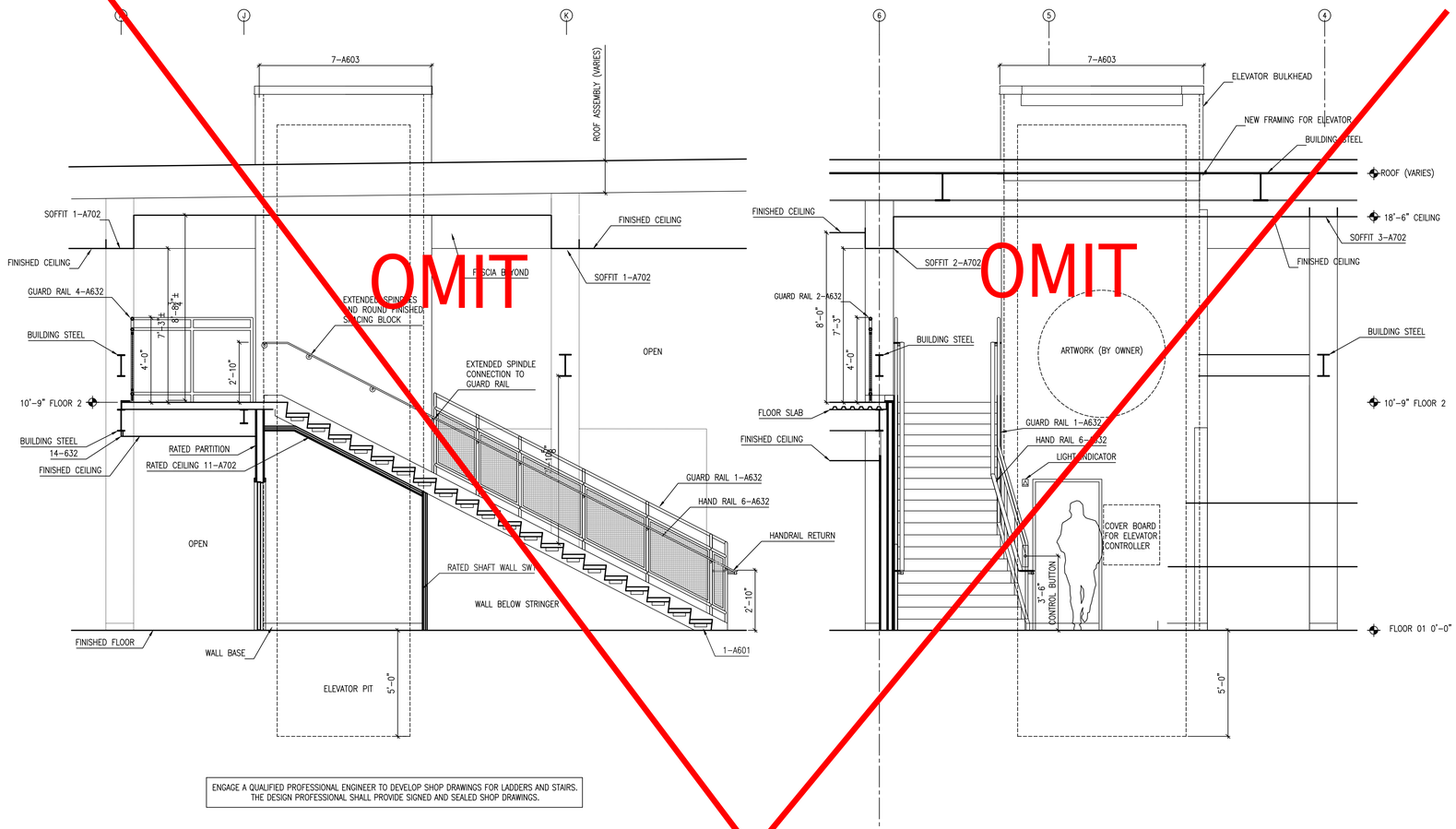


4 PANEL JOINT DETAILS
3" = 1'-0"



5 PANEL CORNER DETAILS
3" = 1'-0"





ENGAGE A QUALIFIED PROFESSIONAL ENGINEER TO DEVELOP SHOP DRAWINGS FOR LADDERS AND STAIRS. THE DESIGN PROFESSIONAL SHALL PROVIDE SIGNED AND SEALED SHOP DRAWINGS.

16 STAIR|ELEVATOR SECTIONS
3/8" = 1'-0"

one eighth inch = one foot 0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

ITJAV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2025	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
⚠1	02-28-2025	ALTERNATE 3

PEARL RIVER PUBLIC LIBRARY
80 Franklin Ave.
Pearl River, NY 10965

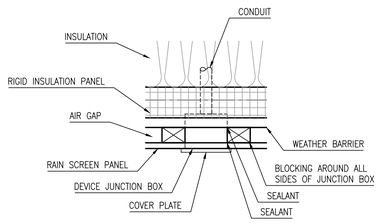
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

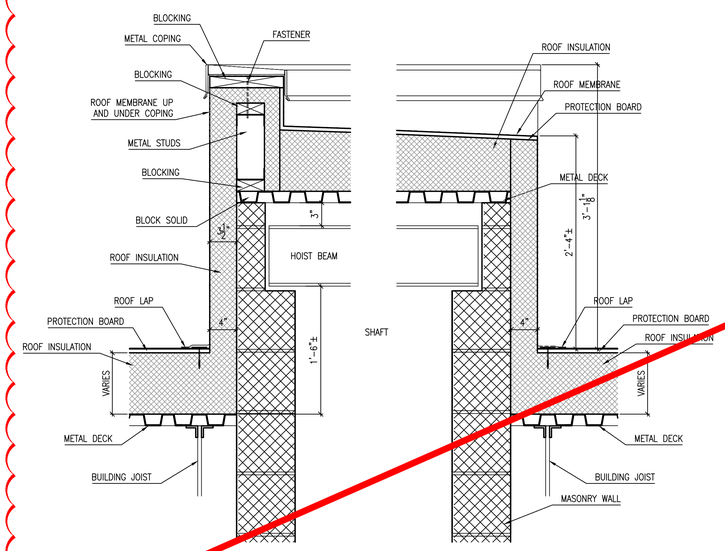
ALTERNATE 3
ELEVATIONS AND DETAILS

PROJECT NO.: 2578-02

DRAWING NO.: ALTERNATE 3
A602

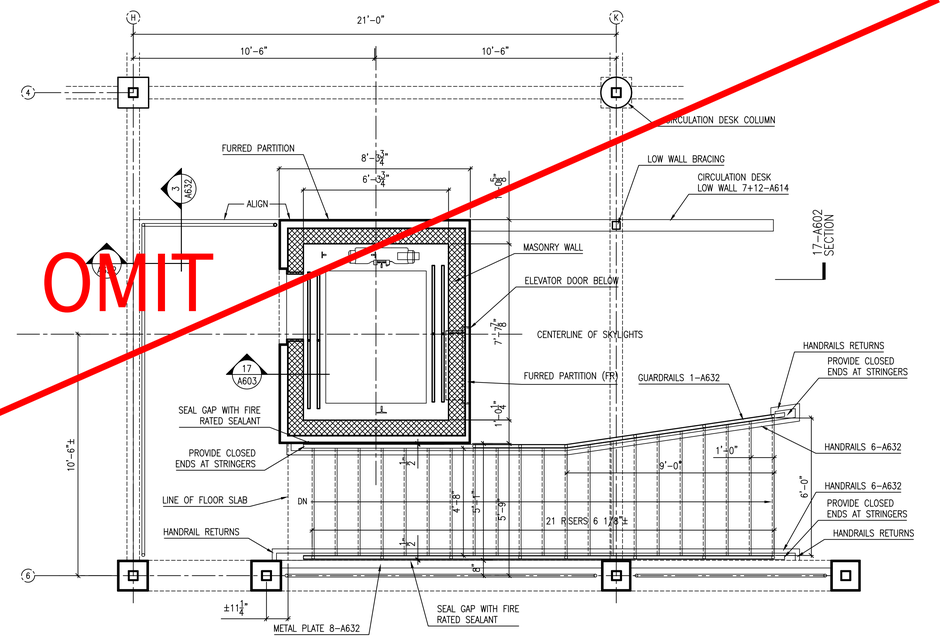


1 RAIN SCREEN BLOCKING
3" = 1'-0"



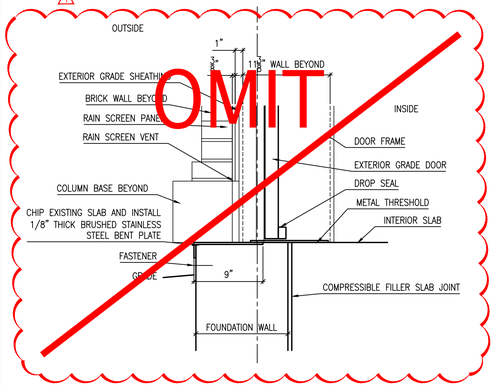
6

7 ELEVATOR RUN-BY SECTION
1-1/2" = 1'-0"



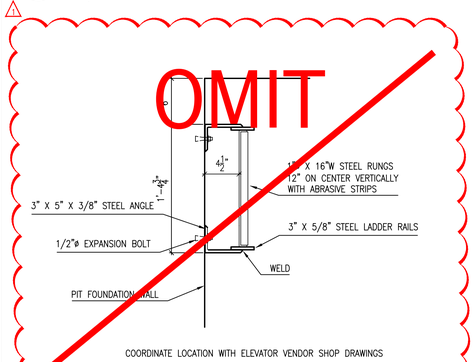
OMIT

8 ELEVATOR AND STAIR AT SECOND FLOOR
3/8" = 1'-0"



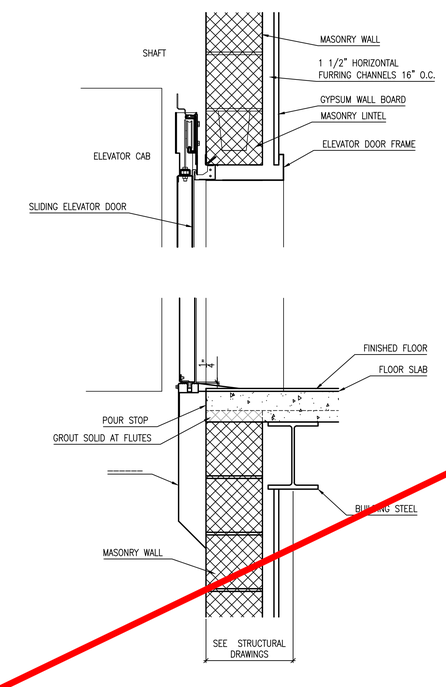
OMIT

11 EXTERIOR WALL BASE DETAIL (STAFF ENTRY)
1-1/2" = 1'-0"

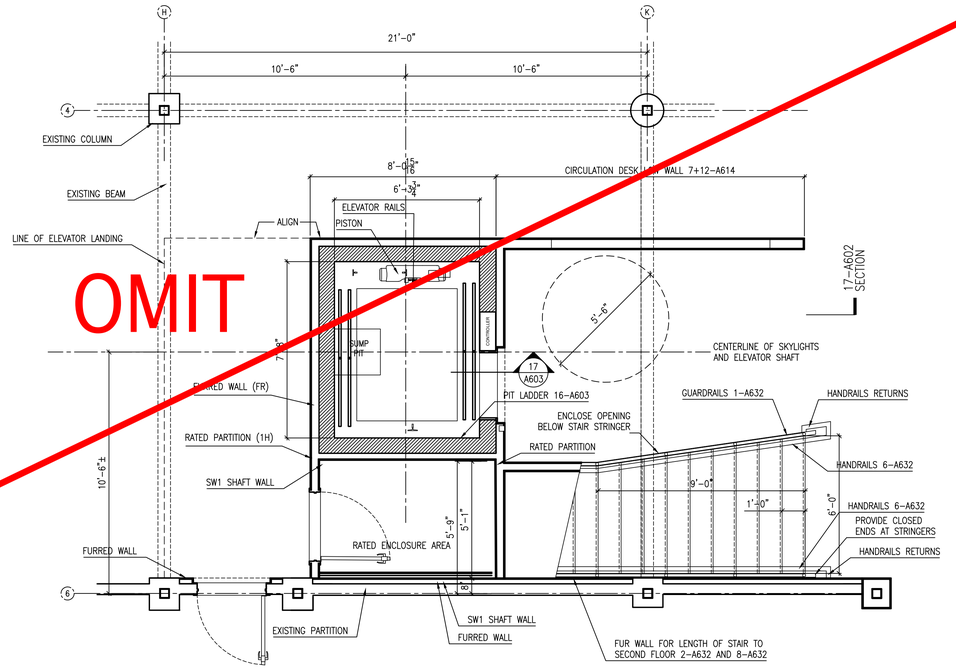


OMIT

16 ELEVATOR PIT LADDER PLAN
1-1/2" = 1'-0"



17 ELEVATOR DOOR SECTION
1-1/2" = 1'-0"



OMIT

SEE ELEVATOR VENDOR DRAWINGS FOR ADDITIONAL INFORMATION. BASIS OF DESIGN:
KONE MACHINE ROOM-LESS ELEVATOR SYSTEM

COORDINATE ELEVATOR SHAFT DIMENSIONS WITH FINAL APPROVED ELEVATOR.

18 ELEVATOR AND STAIR AT FIRST FLOOR
3/8" = 1'-0"

one eighth inch = one foot 0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
1	02-28-2025	ALTERNATE 3

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

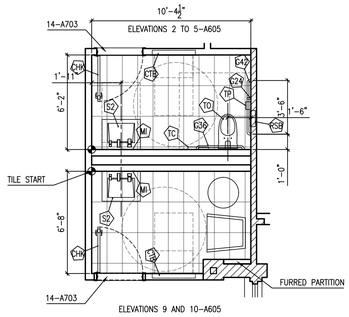
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

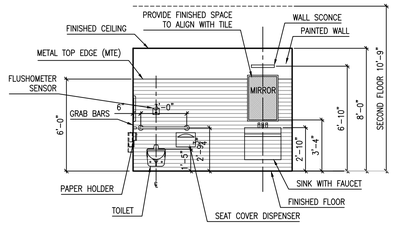
ALTERNATE 3
ELEVATIONS AND DETAILS

PROJECT NO.: 2578-02

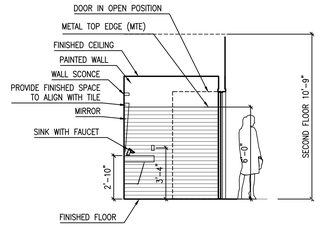
DRAWING NO.: ALTERNATE 3
A603



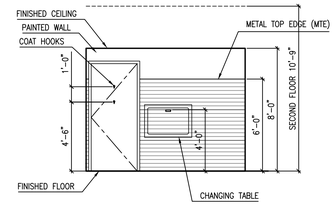
1 TOILET + LACTATION ROOM ENLARGED PLAN
1/4" = 1' - 0"



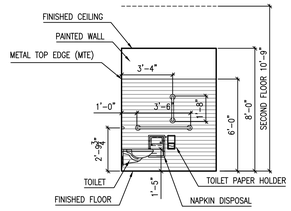
2 TOILET ROOM #37A ELEVATION
1/4" = 1' - 0"



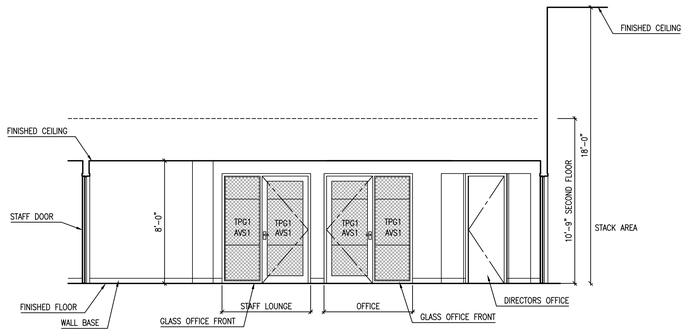
3 TOILET ROOM #37A ELEVATION
1/4" = 1' - 0"



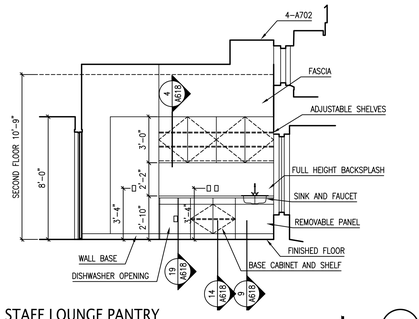
4 TOILET ROOM #37A ELEVATION
1/4" = 1' - 0"



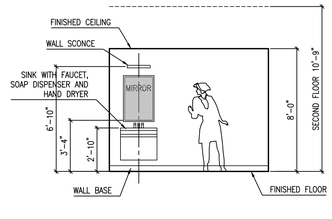
5 TOILET ROOM #37A ELEVATION
1/4" = 1' - 0"



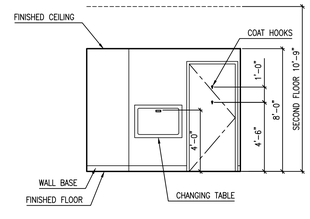
6 STAFF AREA ELEVATION
1/4" = 1' - 0"



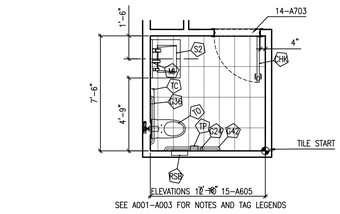
8 STAFF LOUNGE PANTRY
1/4" = 1'- 0"



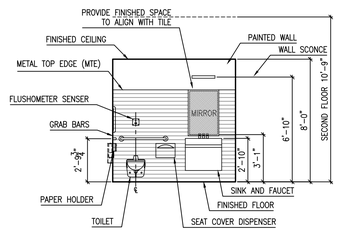
9 LACTATION ROOM #37 ELEVATION
1/4" = 1'- 0"



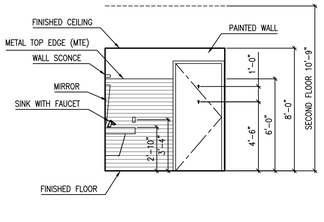
10 LACTATION ROOM #37 ELEVATION
1/4" = 1'- 0"



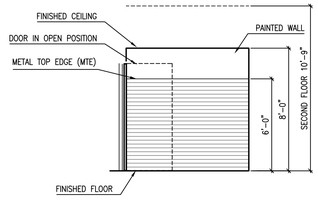
11 TOILET ROOM ENLARGED PLAN
1/4" = 1' - 0"



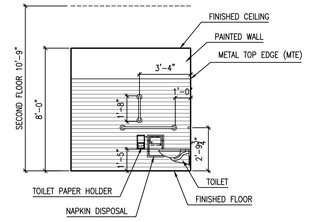
12 TOILET ROOM ELEVATION
1/4" = 1' - 0"



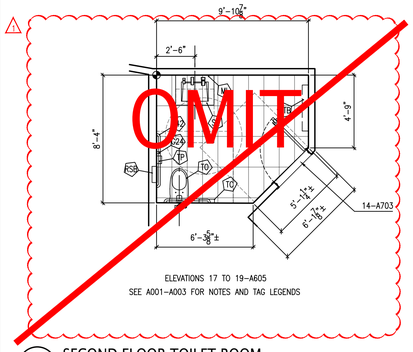
13 TOILET ROOM ELEVATION
1/4" = 1' - 0"



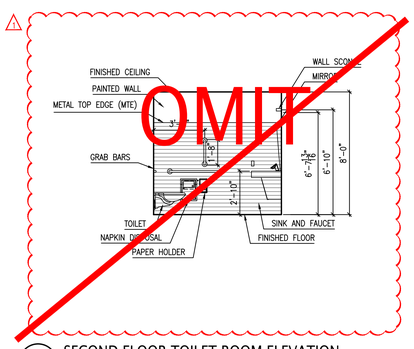
14 TOILET ROOM ELEVATION
1/4" = 1' - 0"



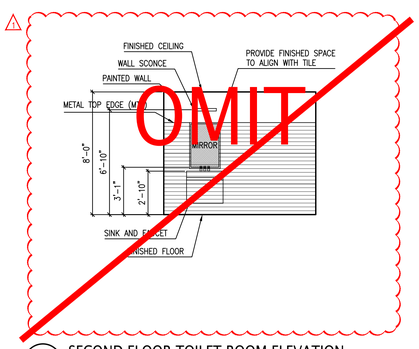
15 TOILET ROOM ELEVATION
1/4" = 1' - 0"



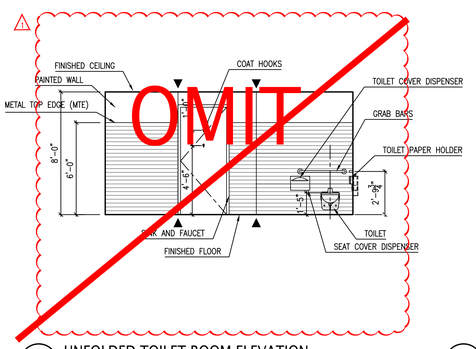
16 SECOND FLOOR TOILET ROOM
1/4" = 1' - 0"



17 SECOND FLOOR TOILET ROOM ELEVATION
1/4" = 1' - 0"



18 SECOND FLOOR TOILET ROOM ELEVATION
1/4" = 1' - 0"



19 UNFOLDED TOILET ROOM ELEVATION
1/4" = 1' - 0"

20

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	02-28-2025	ALTERNATE 3
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

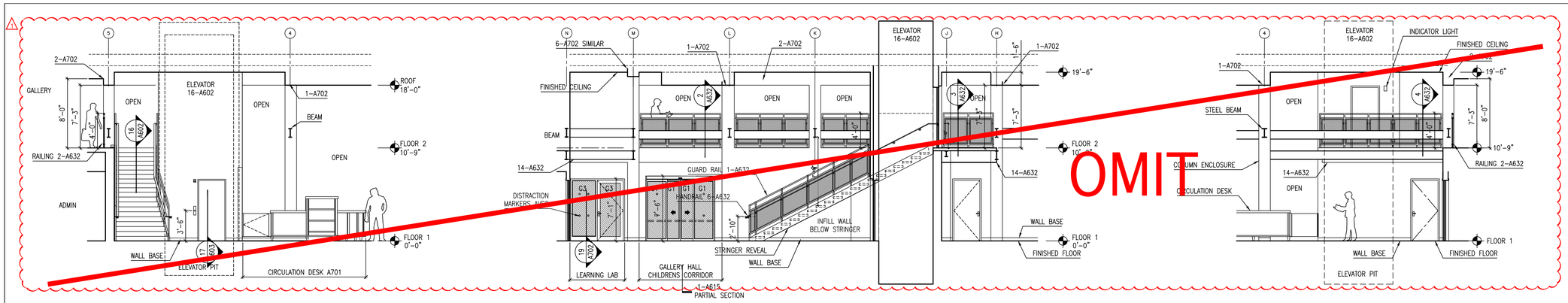
ALTERNATE 3

ELEVATIONS AND DETAILS

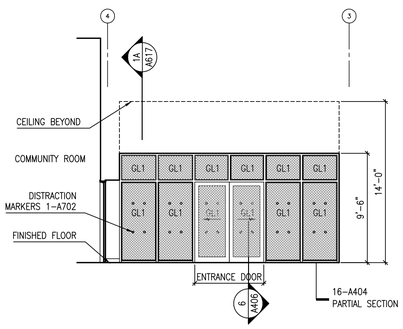
PROJECT NO.: 2578-02

DRAWING NO.: ALTERNATE 3
A605

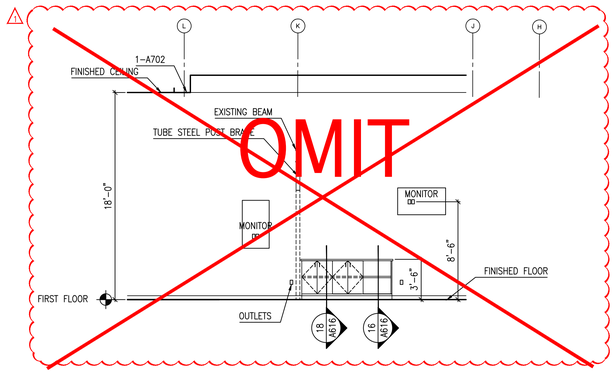
one eighth inch = one foot 1/8" = 1'-0" 16



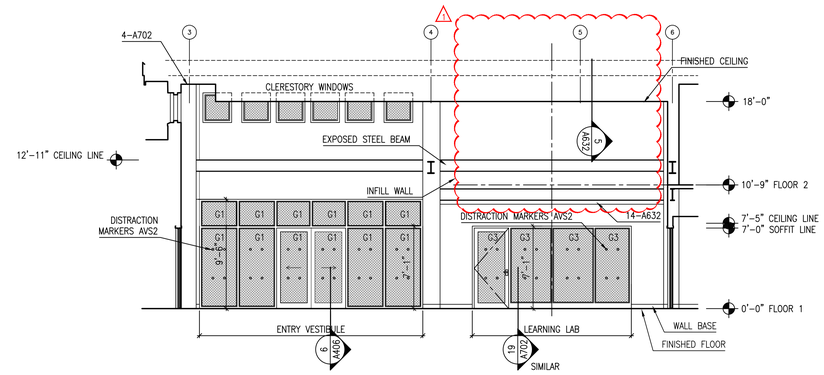
1 ELEVATION ELEVATOR AND STAIR AREA
3/16" = 1'-0"



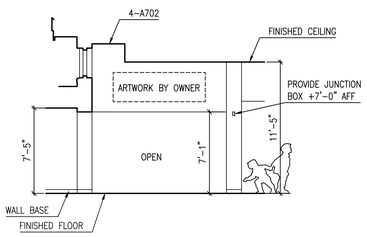
6 ENTRANCE VESTIBULE INTERIOR DOOR
3/16" = 1'-0"



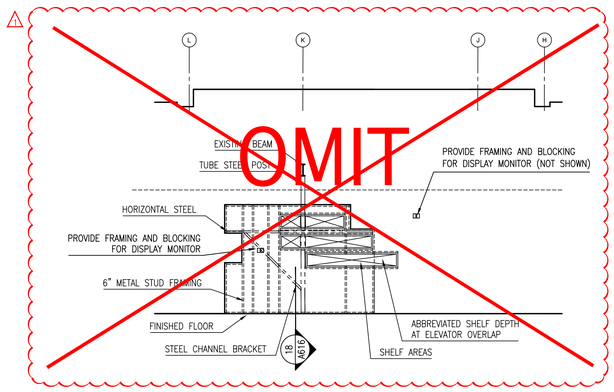
7 CIRCULATION DESK WALL ELEVATION
3/16" = 1'-0"



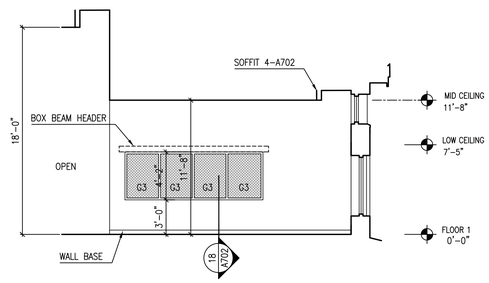
9 ELEVATION ENTRANCE AND LEARNING LAB
3/16" = 1'-0"



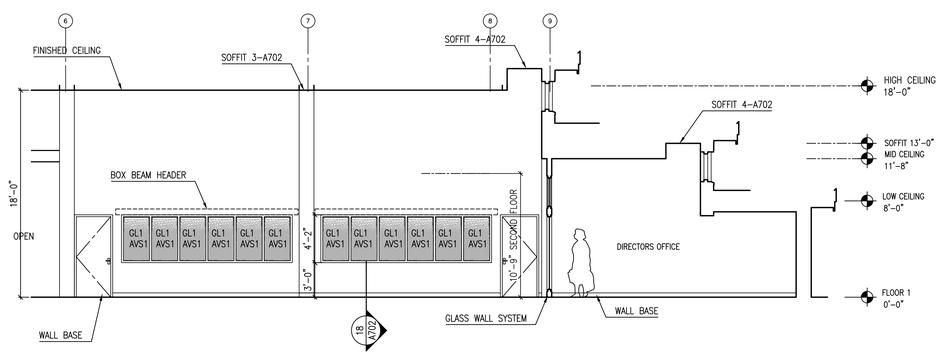
11 ELEVATION AT CHILDREN'S LIBRARY
3/16" = 1'-0"



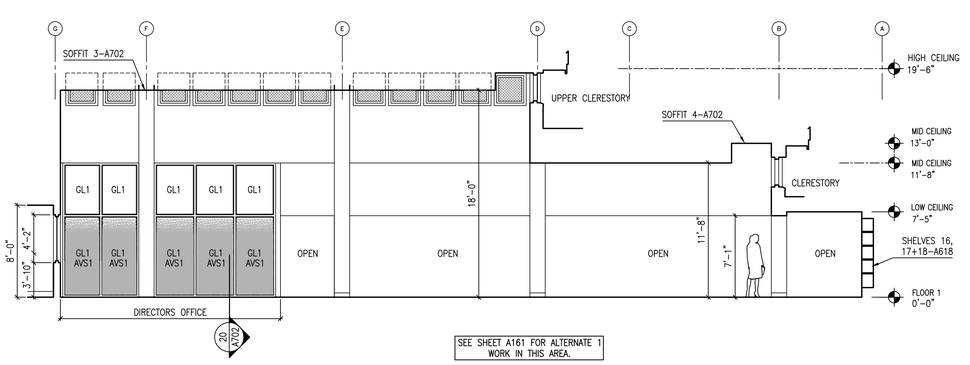
12 CIRCULATION DESK WALL FRAMING
3/16" = 1'-0"



14 TEEN ROOM ELEVATION
3/16" = 1'-0"



16 ELEVATION
3/16" = 1'-0"



19 NON-FICTION STACKS & READING AREA INTERIOR ELEVATION
3/16" = 1'-0"

one eighth inch = one foot 1/8" = 1'-0"

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	02-28-2025	ALTERNATE 3
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
3	06-05-2024	ISSUED TO SED FOR PERMIT
2	05-15-2024	95% PROGRESS PRINT
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

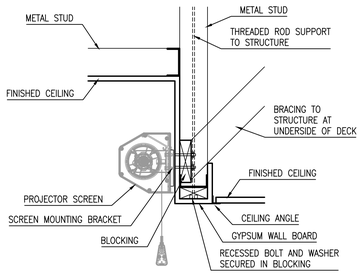
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

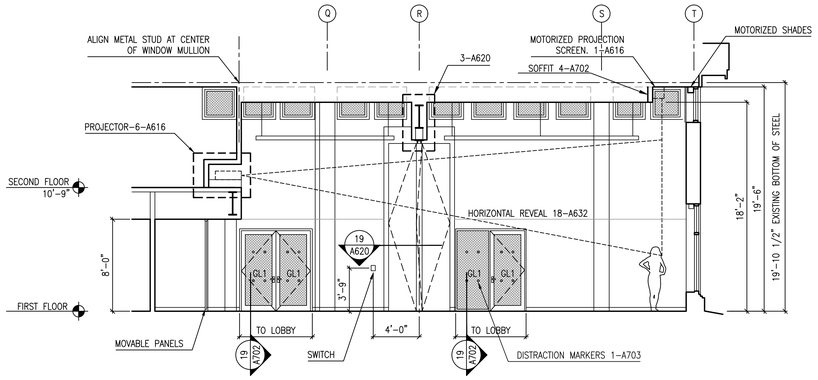
ALTERNATE 3
INTERIOR ELEVATIONS

PROJECT NO.: 2578-02

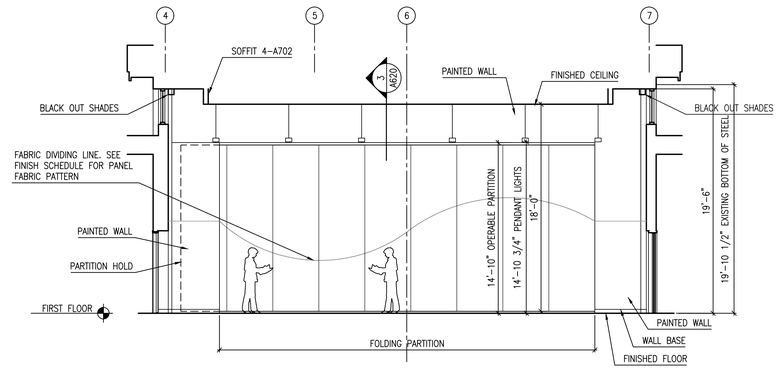
DRAWING NO.: ALTERNATE 3
A614



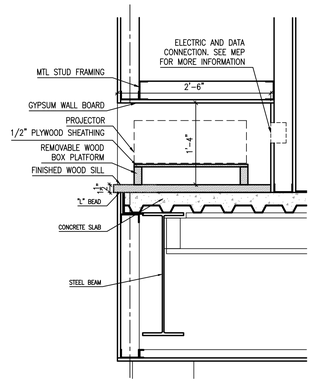
1 SCREEN MOUNTING DETAIL
1-1/2" = 1'-0"



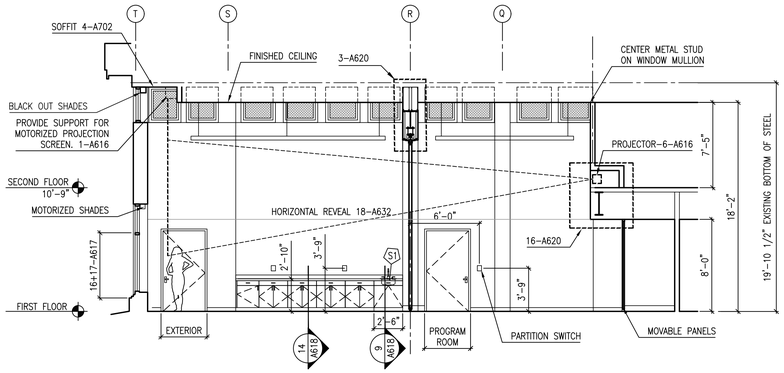
2 COMMUNITY ROOM INTERIOR ELEVATION
3/16" = 1'-0"



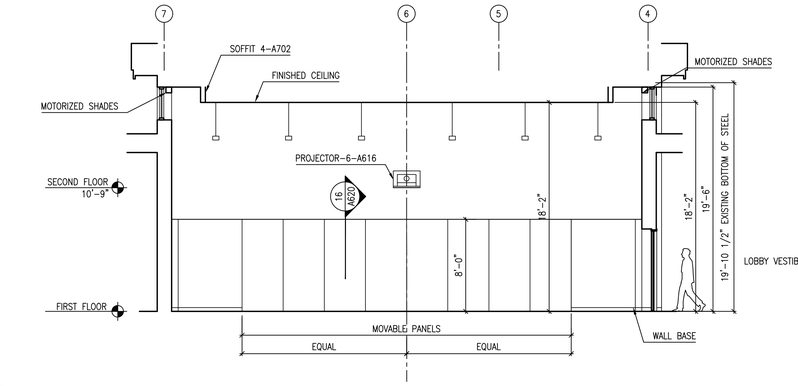
4 COMMUNITY ROOM INTERIOR ELEVATION
3/16" = 1'-0"



6 PROJECTOR NICHE DETAIL
1" = 1'-0"



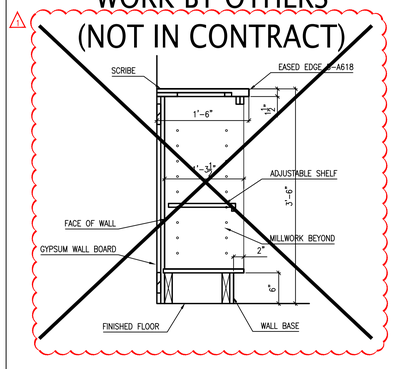
7 COMMUNITY ROOM INTERIOR ELEVATION
3/16" = 1'-0"



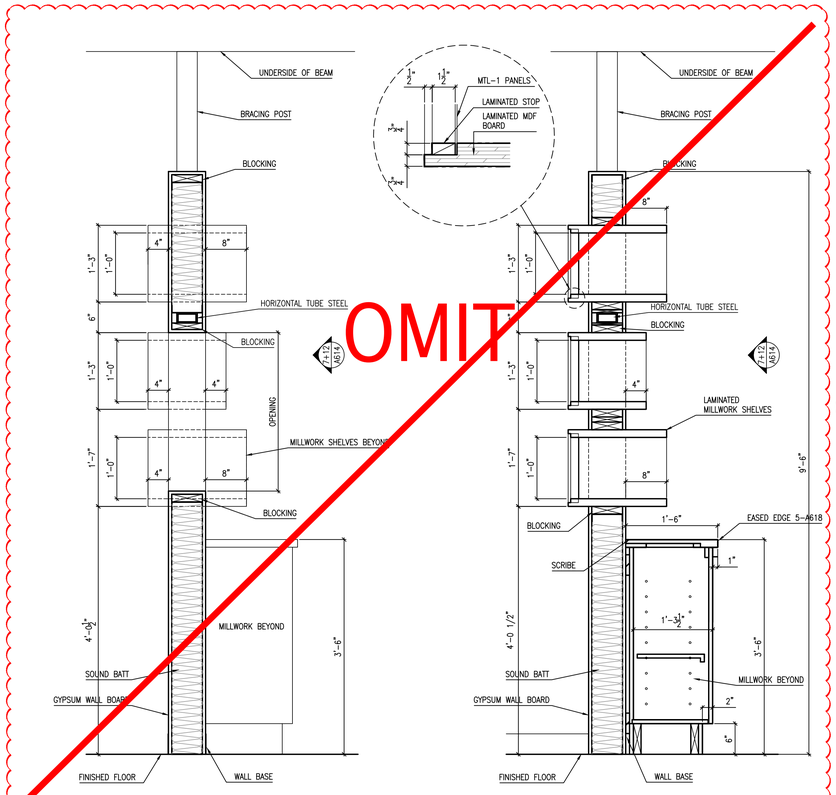
9 COMMUNITY ROOM INTERIOR ELEVATION
3/16" = 1'-0"

11 .

.

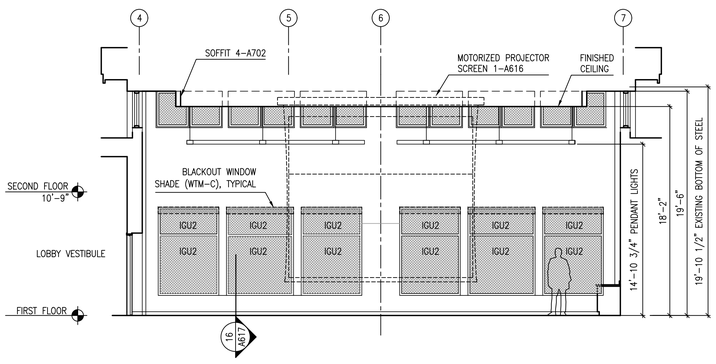


16 CIRCULATION DESK OPEN SHELVES
1" = 1'-0"

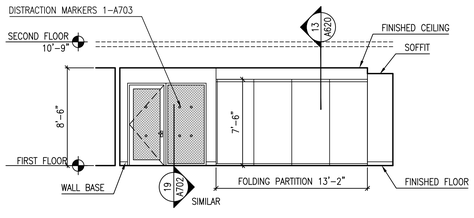


17 WALL MILLWORK SECTION (W6)
1" = 1'-0"

18 WALL MILLWORK SECTION (W6)
1" = 1'-0"



14 COMMUNITY ROOM INTERIOR ELEVATION
3/16" = 1'-0"



19 LEARNING LAB ELEVATION
3/16" = 1'-0"

one eighth inch = one foot 16
0 1 2 3 4 5 6 7 8

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
1	02-28-2025	ALTERNATE 3

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

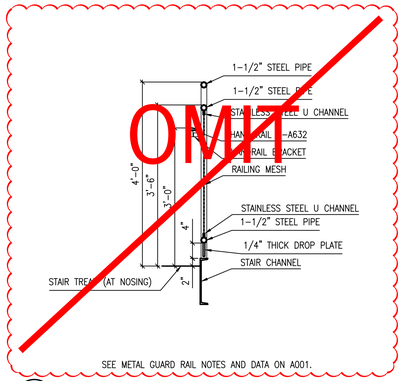
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3

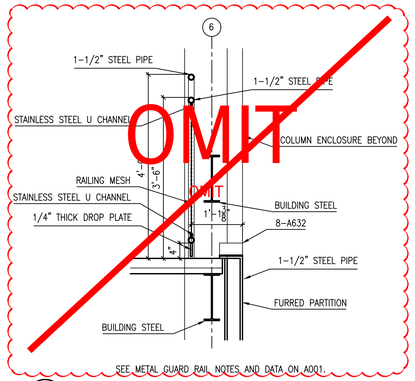
INTERIOR ELEVATIONS

PROJECT NO.: 2578-02

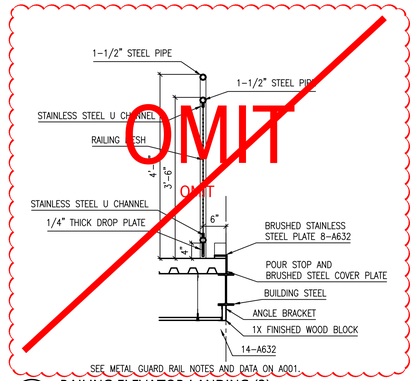
DRAWING NO.: ALTERNATE 3
A616



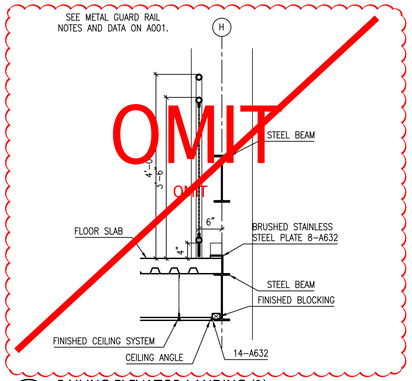
1 GUARD RAIL AND HAND RAIL AT STAIR
3/4" = 1'-0"



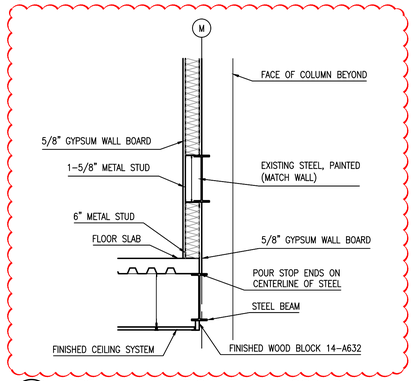
2 RAILING AT 2ND FLOOR GALLERY
3/4" = 1'-0"



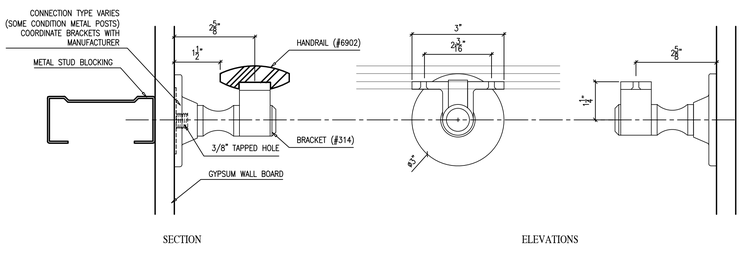
3 RAILING ELEVATOR LANDING (2)
3/4" = 1'-0"



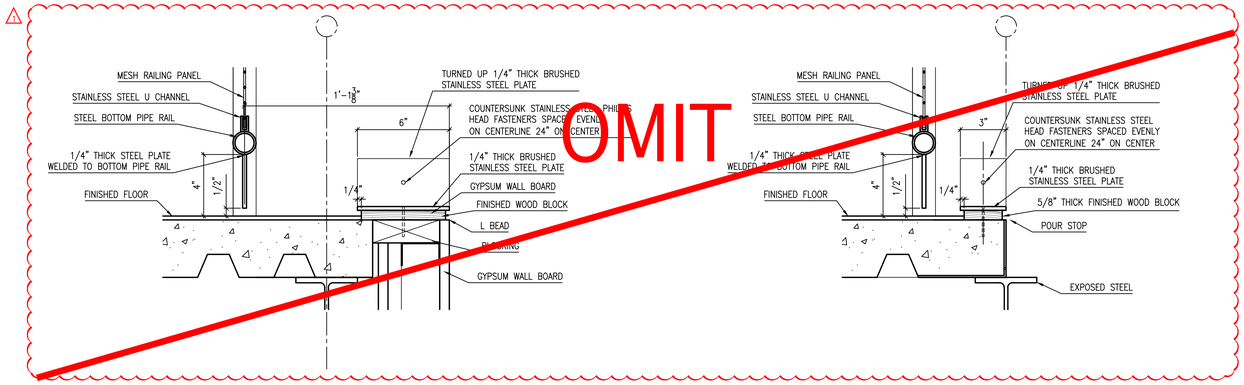
4 RAILING ELEVATOR LANDING (1)
3/4" = 1'-0"



5 TYPCIAL WALL SECTION AT NEW FLOOR AREAS.
3/4" = 1'-0"

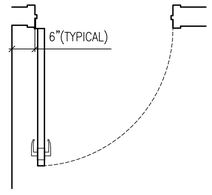


6 HANDRAIL DETAIL
HALF FULL SCALE

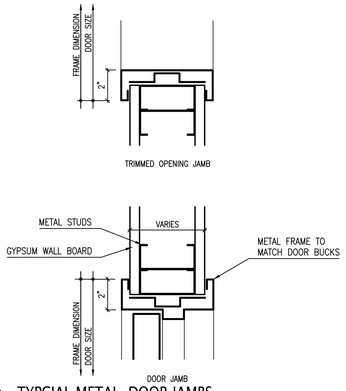


8 RAILING BASE | SLAB EDGE SECTION
3" = 1'-0"

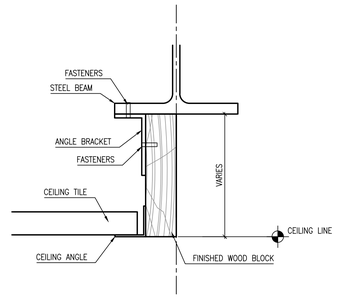
11



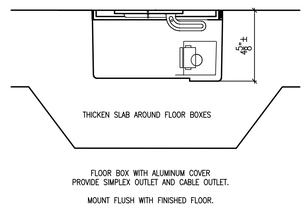
12 TYPCIAL DOOR WALL CONDITION
1-1/2" = 1'-0"



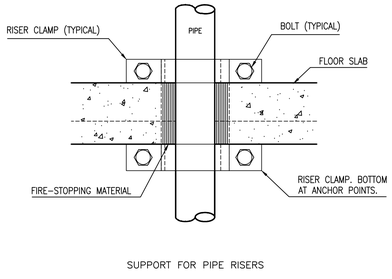
13 TYPCIAL METAL DOOR JAMBS
3" = 1'-0"



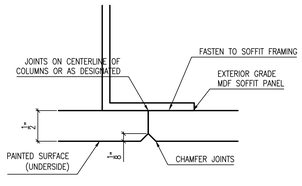
14 CEILING-BEAM DETAIL
HALF FULL SCALE



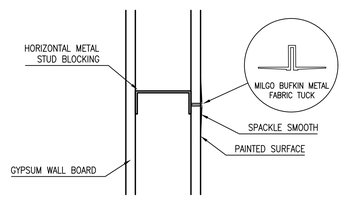
15 RECESSED ELECTRICAL|DATA FLOOR BOX
3" = 1'-0"



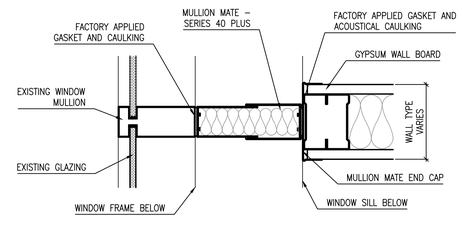
16 PIPEL CLAMP AND FIRE RATED PENETRATION
3" = 1'-0"



17 SOFFIT PANEL JOINTS
FULL SCALE



18 GYPSUM REVEAL DETAIL
3" = 1'-0"



19 MULLION WALL INTERSECTION
2" = 1'-0"

one eighth inch = one foot 1/8" = 1'-0"

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT|AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
1	04-25-2024	OWNER PAGE TURN REVIEW (75%)
2	05-15-2024	95% PROGRESS PRINT
3	06-05-2024	ISSUED TO SED FOR PERMIT
4	06-11-2024	REVISION 1 ISSUED FOR SED PERMIT
1	02-28-2025	ALTERNATE 3

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3

SECTION DETAILS

PROJECT NO.: 2578-02

DRAWING NO.: ALTERNATE 3
A632

GENERAL NOTES

1. ALL STRUCTURAL WORK SHALL BE COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND SHALL CONFORM TO THE PROJECT SPECIFICATIONS, INCLUDING THE NEW YORK STATE BUILDING CODE. ALL GOVERNING STANDARDS LISTED IN THESE NOTES SHALL BE THE EDITION REFERENCED IN THIS GOVERNING CODE.

2. CONTRACTOR SHALL PROVIDE TEMPORARY SHORING, BRACING, SHEETING AND MAKE SAFE ALL FLOORS, ROOFS, WALLS AND ADJACENT PROPERTY AS PROJECT CONDITIONS REQUIRE. SHORING AND SHEETING SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE PROJECT JURISDICTION HIRED BY THE CONTRACTOR WHO SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS FOR THE OWNER'S REVIEW.

3. DIMENSIONS AND ELEVATIONS OF EXISTING CONSTRUCTION GIVEN IN STRUCTURAL DRAWINGS ARE BASED ON INFORMATION CONTAINED IN VARIOUS ORIGINAL DESIGN AND CONSTRUCTION DOCUMENTS PROVIDED BY THE OWNER, AND LIMITED FIELD OBSERVATIONS AND MEASUREMENTS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION PERTAINING TO EXISTING CONDITIONS BY ACTUAL MEASUREMENT AND OBSERVATION AT THE SITE. ALL DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THOSE SHOWN IN THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ENGINEER OF RECORD FOR EVALUATION BEFORE THE AFFECTED CONSTRUCTION IS PUT IN PLACE.

4. THE CONTRACT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY. THESE NOTES HIGHLIGHT RATHER THAN REPLACE THE SPECIFICATIONS CONTAINED IN THE PROJECT MANUAL. CONTRACTOR SHALL NOTIFY THE ARCHITECT AND ENGINEER OF ANY CONFLICTS FOR GUIDANCE.

FOUNDATIONS

1. BUILDING FOUNDATIONS SHALL BEAR ON UNDISTURBED SOIL HAVING MINIMUM BEARING CAPACITY OF 4000 PSF BASED ON INFORMATION IN THE CARLIN-SIMPSON GEOTECH REPORT DATED APRIL 18TH 2024. ADEQUACY OF BEARING STRATUM SHALL BE VERIFIED IN FIELD PRIOR TO PLACING CONCRETE. ALL NECESSARY ADJUSTMENTS TO THE BOTTOM OF FOOTINGS TO BE REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.

2. DO NOT PLACE BACKFILL AGAINST BASEMENT WALLS UNTIL ALL FLOORS BRACING THESE WALLS ARE IN PLACE AND HAVE ATTAINED THEIR 28 DAY STRENGTH.

3. ALL EXTERIOR FOOTINGS SHALL BE PLACED A MINIMUM OF 3'-6" BELOW FINAL GRADE.

4. CONCRETE SHALL BE POURED IN DRY EXCAVATIONS.

CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE FOLLOWING GOVERNING STANDARDS.
   A. AMERICAN CONCRETE INSTITUTE (ACI) "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (ACI 318).
   B. ACI "MANUAL OF CONCRETE PRACTICE" LATEST EDITION
   C. CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE".

2. ALL CONCRETE COMPOSITE ON METAL DECK SHALL BE LIGHT WEIGHT CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED.

3. ALL OTHER CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED.

4. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60 OR A775 EPOXY COATED WHEN CALLED OUT ON PLAN. REINFORCING STEEL SHALL BE DETAILED ACCORDING TO THE ACI "DETAILS AND DETAILING OF REINFORCEMENT", (ACI 315), LATEST EDITION.

5. WELDED WIRE REINFORCEMENT SHALL CONFORM TO ASTM A1064, WITH A MINIMUM YIELD STRENGTH OF 65,000 PSI.

6. REINFORCING STEEL TO BE WELDED TO CONFORM TO ASTM A706 GRADE 60.

7. COORDINATE SIZE AND LOCATION OF ALL OPENINGS AND PIPE SLEEVES WITH ALL OTHER DISCIPLINES. MINIMUM CONCRETE BETWEEN SLEEVES SHALL BE 6".

8. ALL GROUT SHALL BE NONSHRINK WITH A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI.

9. MINIMUM CONCRETE COVER FOR REINFORCING STEEL IN CAST-IN-PLACE NON-PRESTRESSED MEMBERS SHALL BE AS FOLLOWS:
   A. ALL CONCRETE CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND: 3"
   B. ALL CONCRETE EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
      a. 2" (#6 THROUGH #18 BARS)
      b. 1½" (#5 BAR, W31 OR D31 WIRE, AND SMALLER)
   C. NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
      a. SLABS, JOISTS, AND WALLS:
         • 1½" (#14 THROUGH #18 BARS)
         • ¾" (#11 BAR AND SMALLER)
      b. BEAMS, COLUMNS, PEDESTALS, AND TENSION TIES (STIRRUPS, TIES, SPIRALS, HOOPS, AND PRIMARY REINFORCEMENT): 1½"

10. SHOP DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL. NO CONCRETE WORK SHALL COMMENCE WITHOUT APPROVED SHOP DRAWINGS.

11. CLEAN AND ROUGHEN TO ¼" AMPLITUDE ALL EXISTING CONCRETE SURFACES TO RECEIVE NEW CONCRETE PRIOR TO PLACEMENT.

12. SEE OTHER DRAWINGS IN THIS PROJECT FOR SIZE AND LOCATIONS OF EQUIPMENT PADS, INSERT AND EMBED ITEMS.

13. REINFORCING DOWELS, WATERSTOPS AND OTHER EMBED ITEMS SHALL BE INSTALLED AND SECURED PRIOR TO CONCRETE PLACEMENT. "WET-SETTING" OF EMBEDDED ITEMS IS NOT PERMITTED.

14. WELDED WIRE REINFORCEMENT IN COMPOSITE CONSTRUCTION SHALL HAVE TENSION SPLICES AND BE ANCHORED AT DISCONTINUOUS EDGES.

CONCRETE BLOCK

1. ALL CONCRETE BLOCK WORK SHALL CONFORM TO THE "NATIONAL CONCRETE MASONRY ASSOCIATION TEK MANUAL FOR DESIGN AND CONSTRUCTION OF CONCRETE MASONRY," LATEST EDITION AND "ACI 530-BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES".

2. CONCRETE BLOCK SHALL BE OF LIGHTWEIGHT AGGREGATE AND CONFORM TO THE FOLLOWING STANDARDS: SOLID/HOLLOW BLOCK: ASTM C90.

NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY UNIT, PSI	NET AREA COMPRESSIVE STRENGTH OF MASONRY ASSEMBLY, f'm, PSI USING TYPE S MORTAR
1900	1500
2800	2000
3750	2500
4800	3000

UNLESS OTHERWISE NOTED ON PLANS AND/ OR ELEVATIONS, CONCRETE BLOCK UNIT STRENGTH SHALL BE 1900 PSI MIN. NOTE: CONCRETE BLOCK WITH UNIT STRENGTH HIGHER THAN 1900 PSI GENERALLY REQUIRE LONGER DELIVERY LEAD TIMES.

3. ALL MORTAR SHALL BE ASTM C270, TYPE S.

4. ALL GROUT FOR FILLING CELLS SHALL BE ASTM C 476 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI BUT NOT LESS THAN THE COMPRESSIVE STRENGTH OF THE MASONRY ASSEMBLY, f'M". WHERE GROUT CELLS DO NOT EXCEED 4" IN DIAMETER FINE GROUT SHALL BE USED.

5. ALL BLOCK DIMENSIONS INDICATED ON STRUCTURAL PLANS ARE NOMINAL DIMENSIONS.

6. ALL CONCRETE BLOCK BELOW GRADE SHALL BE FILLED SOLID WITH GROUT.

7. CONCRETE BLOCK BELOW BEAM OR TRUSS BEARING POINTS SHALL BE FILLED SOLID FOR A MINIMUM OF TWO COURSES IN DEPTH AND A MINIMUM OF 32" IN WIDTH, U.O.N.

8. INSTALL STANDARD WEIGHT LADDER JOINT REINFORCEMENT AT 16" O.C. (SPACED VERTICALLY).

9. UNLESS NOTED OTHERWISE ALL MASONRY WALLS SHALL BE REINFORCED WITH #4@48" O.C. VERTICAL. GROUT ALL REINFORCED CELLS SOLID. PROVIDE DOWELS TO MATCH VERTICAL REINFORCING AT FOUNDATION.

10. WHERE CMU IS SUPPORTED ON STRUCTURAL STEEL MEMBERS, PROVIDE WELDED REBAR DOWELS BETWEEN STEEL AND CMU. DOWELS TO MATCH SIZE AND SPACING OF CMU REINFORCEMENT, AND MUST PROVIDE FULL TENSION LAP SPLICE WITH CMU REINFORCEMENT. DOWELS MUST BE WELDABLE AND CONFORM TO ASTM A706, GRADE 60.

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE FOLLOWING GOVERNING STANDARDS:
   A. AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
   B. AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".
   C. AMERICAN WELDING SOCIETY (AWS D1.1) "STRUCTURAL WELDING CODE – STEEL."
   D. RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (RCSC) "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS".

2. ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:
   A. WIDE FLANGE BEAMS, COLUMNS AND STRUCTURAL TEES: ASTM A992.
   B. HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE C.
   C. STRUCTURAL PIPE SECTIONS: ASTM A53, GRADE B.
   D. CHANNELS, ANGLES AND PLATES: ASTM A36 UNLESS OTHERWISE NOTED.
   E. BOLTED CONNECTIONS SHALL BE PER ASTM F3125. GRADES ARE TO BE SELECTED AS FOLLOWS:
      a. STANDARD BEAM TO BEAM/GIRDER: ASTM F3125, GRADES A325, F1852, A490 OR F2280 BOLTS IN SNUG-TIGHTENED JOINTS (¾" DIAMETER MINIMUM WITH HARDENED WASHERS).
      b. BEAM/GIRDER TO COLUMN CONNECTIONS, COLUMN SPLICES AND BOLTS EXPERIENCING TENSION LOADS (UNLESS OVERSIZED OR SLOTTED HOLES ARE USED, IN WHICH CASE SLIP-CRITICAL JOINTS SHALL BE USED): ASTM F3125, GRADES A325, F1852, A490 OR F2280 BOLTS IN PRETENSIONED JOINTS (¾" DIAMETER MINIMUM WITH HARDENED WASHERS).
      c. MOMENT CONNECTIONS AND BRACED FRAME CONNECTIONS: ASTM F3125, GRADES A325, F1852, A490 OR F2280 BOLTS IN SLIP CRITICAL JOINTS (¾" DIAMETER MINIMUM WITH HARDENED WASHERS). FAYING SURFACES SHALL BE CLASS A UNLESS OTHERWISE NOTED.
      d. PER AISC 341, ALL BOLTS SHALL BE INSTALLED AS PRETENSIONED HIGH STRENGTH BOLTS AND MEET THE REQUIREMENTS FOR SURFACE PREPARATION FOR SLIP CRITICAL CONNECTIONS WITH CLASS A SLIP COEFFICIENT OR HIGHER. THE AVAILABLE SHEAR STRENGTH OF BOLTED JOINTS USING STANDARD HOLES SHALL BE CALCULATED AS THAT FOR BEARING TYPE JOINTS.
   F. ANCHOR RODS: ASTM F1554, GRADE 36.

3. STEEL CONNECTION SHALL BE STANDARD AISC FRAMED BEAM CONNECTIONS, AND SHALL BE SELECTED OR COMPLETED BY AN EXPERIENCED STEEL DETAILER, UTILIZING ASD LOADS AND PROCEDURES.
   A. UNLESS OTHERWISE NOTED ON PLAN, PROVIDE CONNECTIONS BASED ON MINIMUM SHEAR CAPACITY REQUIREMENTS IN THE FOLLOWING TABLE.
   B. REINFORCING IS TO BE PROVIDED AT CONNECTIONS WHERE CUTS REDUCE THE SHEAR OR MOMENT CAPACITY BELOW THAT REQUIRED TO SUSTAIN THE REACTION. FLANGES AND WEB ARE TO BE REINFORCED WHERE THE LOCAL CAPACITY TO SUSTAIN CONNECTION LOAD IS INADEQUATE.
   C. CONNECTIONS SHALL BE DESIGNED FOR SHEAR AND ECCENTRICITY, CONSIDERING THAT THE CONNECTION IS AN EXTENSION OF THE BEAMS AND GIRDERS.

4. MINIMUM WELD SIZE IS ¼" FILLET UNLESS NOTED OTHERWISE.

5. ALL BEAMS EXCEPT CANTILEVER BEAMS SHALL BE FABRICATED AND INSTALLED WITH NATURAL CAMBER UP. CANTILEVER BEAMS SHALL BE FABRICATED AND INSTALLED SO THAT NATURAL CAMBER RAISES CANTILEVER END.

6. FIELD CUTTING OR BURNING OF STEEL IS PROHIBITED EXCEPT WITH THE EXPRESSED WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD (IN WHICH CASE ALL BURNING OF STEEL MUST CONFORM TO THE THERMAL CUTTING REQUIREMENTS OF AISC AND AWS).

7. WELDING SHALL BE PERFORMED BY CERTIFIED LICENSED, AWS-QUAUIFIED WELDERS. WELDING ELECTRODES FOR CARBON STEEL SHALL BE AWS 5.1, CLASS E70XX. FOR ASTM A572 GRADE 50 KSI PLATE USE ELECTRODE E7018 OR APPROVED EQUAL. WELDING ELECTRODES FOR ASTM A276 STAINLESS STEEL, TYPE 304, SHALL CONFORM TO AWS A5.4 FOR SHIELDED METAL ARC WELDING, ELECTRODE CLASS E308; OR AWS A5.9 FOR GAS METAL ARC WELDING, ELECTRODE CLASS ER308. WELDING ELECTRODES FOR ASTM A276 TYPE 316L STAINLESS STEEL SHALL CONFORM TO AWS A5.4 FOR SHIELDED METAL ARC WELDING, ELECTRODE CLASS E316; OR AWS A5.9 FOR GAS METAL ARC WELDING, ELECTRODE CLASS ER316. WELDING ELECTRODES FOR JOINING STAINLESS STEEL TO CARBON STEEL SHALL CONFORM TO ELECTRODE CLASS E309/ER309.

8. SHOP PAINT EXTERIOR EXPOSED STEEL MEMBERS, STEEL MEMBERS NOT ENCASED IN CONCRETE OR SPRAY FIREPROOFED, AND ALL STEEL MEMBERS AT THE EXTERIOR WALL WITH TNEMEC #10-99 OR APPROVED EQUAL (EXCEPT FOR MEMBERS TO BE HOT-DIP GALVANIZED).

9. HOT-DIP GALVANIZING SHALL CONFORM TO ASTM A123, REPAIR SCRATCHES OR ABRADED GALVANIZED SURFACE WITH ZINC RICH PAINT. ALL EXTERIOR EXPOSED STEEL AND STEEL SUPPORTING EXTERIOR SHALL BE HOT-DIP GALVANIZED.

10. LINTELS SHALL BE INSTALLED OVER ALL OPENINGS IN MASONRY WALLS AS FOLLOWS:

MASONRY OPENING	LINTEL
4'-0" OR LESS	L4x3½x5/16 LLV
4'-1" TO 7'-0"	L6x3½x5/16 LLV

   A. 3½" LEGS ARE HORIZONTAL.
   B. PROVIDE ONE ANGLE FOR EACH 4" OF WALL THICKNESS.
   C. PROVIDE L5x5x5/16 ANGLES FOR 6" THICK WALLS AND PARTITIONS WITH OPENINGS UP TO 6'-0".
   D. PROVIDE MINIMUM 6" BEARING AT EACH END.
   E. LINTELS OVER 6'-4" SHALL BE FIREPROOFED.

11. SHOP AND ERECTION DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL. NO FABRICATION OF STEEL SHALL COMMENCE WITHOUT APPROVED SHOP DRAWINGS.

12. PROVIDE MECHANICALLY GALVANIZED BOLTS FOR EXTERIOR APPLICATIONS.

COLD FORMED METAL FRAMING

1. ALL COLD FORMED METAL FRAMING WORK SHALL COMPLY WITH THE AISI "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS," AS WELL AS ANSI A42.4 "SPECIFICATIONS FOR INTERIOR LATHING AND FURRING".

2. ALL SHEATHING APPLIED TO METAL JOISTS SHALL BE GLUED AND SCREWED TO THE JOISTS. THE ADHESIVE SHALL BE AN APA APPROVED ELASTOMERIC ADHESIVE. PROVIDE HILTI S-WW 12-24X2½ PFH #4 WINGS @ 12" O.C. CONNECT TO PERIMETER SUPPORTS PARALEL TO DECK WITH HILTI S-WW 12-24X2½ PFH #4 WINGS @ 12" O.C.

3. INSTALL METAL FRAMING IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS, UNLESS OTHERWISE INDICATED. ALL MATERIALS SHALL BE GALVANIZED.

4. ALL LOAD BEARING STUDS, JOISTS, AND ACCESSORIES SHALL BE MADE OF THE MINIMUM TYPE, SIZE, GAUGE, AND SPACING SHOWN ON DRAWINGS AND PROVEN IN THE CALCULATIONS.

5. SUBMIT SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS FOR ALL LOAD BEARING COLD FORMED METAL FRAMING (JOISTS, STUDS, ETC.) PRIOR TO FABRICATION. SHOP DRAWINGS SHALL INDICATE PLACING OF ALL FRAMING MEMBERS SHOWING TYPE, SIZE, GAUGE, NUMBER, LOCATION AND SPACING. SHOP DRAWINGS SHALL ALSO INDICATE SUPPLEMENTAL STRAPPING, BRACING, SPLICES, BRIDGING, ACCESSORIES AND DETAILS REQUIRED FOR PROPER INSTALLATION. SEE SPECIFICATIONS, LOADING DIAGRAMS AND SCHEDULE FOR STRUCTURAL PERFORMANCE CRITERIA.

6. SHOP DRAWINGS SHALL SHOW SIZE AND LENGTH OF WELDS FOR ALL WELDED CONNECTIONS AND TYPE, SIZE AND NUMBER OF SCREWS FOR ALL SCREWED CONNECTIONS. SUBMIT MANUFACTURER DATA GIVING STRENGTH VALUES FOR ALL FASTENERS USED. WELDED CONNECTIONS SHALL BE WIRE BRUSHED AND COATED WITH A ZINC RICH PAINT.

7. ALL GALVANIZED STUDS AND/OR JOISTS, 10, 12, 14 AND 16 GAUGE, SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE REQUIREMENTS OF ASTM A446, GRADE D, WITH A MINIMUM YIELD OF 50,000 PSI.

8. ALL GALVANIZED 18 AND 20 GAUGE STUDS AND/OR JOISTS, AND ALL GALVANIZED TRACK, BRIDGING AND ACCESSORIES SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE REQUIREMENTS OF ASTM A446, GRADE A, WITH A MINIMUM YIELD OF 33,000 PSI.

9. ALL STUDS, JOIST AND ACCESSORIES SHALL BE PRIMED WITH RUST-INHIBITIVE PAINT MEETING THE PERFORMANCE REQUIREMENTS OF TT-P-636C, OR SHALL BE FORMED FROM STEEL HAVING A G-60 GALVANIZED COATING.

10. FRAMING COMPONENTS MAY BE PRE-ASSEMBLED INTO PANELS PRIOR TO ERECTING. PREFABRICATED PANELS SHALL BE SQUARE WITH COMPONENTS ATTACHED IN A MANNER AS TO PREVENT RACKING.

11. AXIALLY LOADED STUDS SHALL BE INSTALLED IN A MANNER WHICH WILL ASSURE THE ENDS OF THE STUDS ARE POSITIONED AGAINST THE INSIDE TRACK WEB, PRIOR TO STUD AND TRACK ATTACHMENT.

12. STUDS SHALL BE PLUMBED, ALIGNED AND SECURELY ATTACHED TO THE FLANGES OR WEBS OF BOTH UPPER AND LOWER TRACKS.

13. WALL STUD BRIDGING SHALL BE ATTACHED IN A MANNER TO PREVENT STUD ROTATION. BRIDGING ROWS SHALL BE SPACED ACCORDING TO THE FOLLOWING SCHEDULE. WALLS UP TO 10'-0" HEIGHT: ONE ROW AT MID-HEIGHT. WALLS EXCEEDING 10'-0" HEIGHT; BRIDGING ROWS SPACED NOT TO EXCEED 5'-0" ON-CENTER.

14. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL TEMPORARY BRACING AND SHORING AS REQUIRED UNTIL ERECTION IS COMPLETED AND ALL ATTACHED ADJACENT FRAMING IS COMPLETE.

15. SPLICES IN AXIALLY LOADED STUDS ARE NOT PERMITTED.

16. JOISTS SHALL BE LOCATED DIRECTLY OVER BEARING STUDS OR LOAD DISTRIBUTION MEMBER TO BE PROVIDED AT THE TOP TRACK.

WOOD STRUCTURAL PANEL SHEATHING

1. PROVIDE STRUCTURAL 1 PLYWOOD SHEATHING WITH BOND CLASSIFICATIONS APPROPRIATE TO THE END USE: "EXTERIOR" (PERMANENT EXPOSURE), OR "EXPOSURE 1" (CONSTRUCTION EXPOSURE ONLY)

2. FLOOR SHEATHING: NOM. ¾" THICK T&G PLYWOOD (48/24 SPAN RATING), APA STURD-I-FLOOR, OR ADVANTECH SUBFLOOR.

3. ROOF SHEATHING (STANDARD): NOM. ⅝" THICK T&G PLYWOOD (48/24 SPAN RATING).

4. ROOF SHEATHING (UNDER SLATE OR CLAY TILE): NOM. ¾" THICK T&G PLYWOOD (48/24 SPAN RATING).

5. WALL SHEATHING (STANDARD: NOM. ½- THICK PLYWOOD (32/16 SPAN RATING).

6. WALL SHEATHING (BEHIND SLATE, CLAY TILE, OR MASONRY VENEER): NOM. ¾" THICK PLYWOOD (48/24 SPAN RATING).

7. USE PLY CLIPS OR OTHER EDGE SUPPORT AS REQUIRED FOR PLYWOOD SHEATHING.

8. LEAVE 1/8" SPACE AT ALL PLYWOOD PANEL END JOINTS AND ⅛" SPACE AT ALL PANEL EDGE JOINTS.

9. UNLESS NOTED OTHERWISE, WALL SHEATHING SHALL BE FASTENED TO FRAMING WITH 8d COMMON NAILS @ 4" O.C. AT EACH SHEET PERIMETER AND 12" O.C. ELSEWHERE. PROVIDE 2x6 BLOCKING AT ALL FREE EDGES.

10. UNLESS NOTED OTHERWISE, ROOF SHEATHING SHALL BE FASTENED TO FRAMING WITH 8d COMMON NAILS @ 6" O.C. AT EACH SHEET PERIMETER AND 12" O.C. ELSEWHERE.

11. ALL FLOOR SHEATHING SHALL BE GLUED AND SCREWED TO FLOOR JOISTS USING AN APA APPROVED ADHESIVE AND #8 SCREWS @ 6" O.C. AT EACH SHEET PERIMETER AND 12" O.C. ELSEWHERE, UNLESS NOTED OTHERWISE.

STEEL DECKING

1. STEEL DECKING WORK SHALL CONFORM TO THE AISI "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".

2. STEEL DECKING UNITS AND ACCESSORY ITEMS SHALL BE FORMED FROM STEEL SHEETS CONFORMING TO ASTM A1008 OR A653 WITH A MINIMUM YIELD STRENGTH OF 33,000 PSI. BEFORE FORMING, THE STEEL SHEET SHALL RECEIVE A HOT DIP GALVANIZED COATING CONFORMING TO ASTM A653, GRADE 90.

3. STEEL DECKING SHALL BE SHORED AS REQUIRED BY PLANS OR BY SPAN AND LOAD CONDITIONS TO SUPPORT WET WEIGHT OF CONCRETE AND ALL CONSTRUCTION LOADS.

4. THE SIDE LAPS OF ADJACENT UNITS SHALL BE FASTENED BY APPROVED METHOD (TO BE SHOWN ON SHOP DRAWINGS) BETWEEN SUPPORTS, AT INTERVALS TO PROVIDE SUFFICIENT DIAPHRAGM STRENGTH TO MAINTAIN BUILDING ALIGNMENT AND TO SUSTAIN LOCAL CONSTRUCTION LOADS WITHOUT DISTORTION OR SEPARATION, MAXIMUM SPACING SHALL BE 3'-0" BETWEEN SUPPORT BEAMS. END LAPS OF SHEETS SHALL BE A MINIMUM OF 2 INCHES.

5. EXCEPT AS OTHERWISE NOTED, DECK SHALL BE ATTACHED TO STRUCTURAL STEEL BY 3/4¶ FUSION WELDS @12"O.C.. AT END AND INTERIOR SUPPORTS PERPENDICULAR TO THE DECK SPAN AND AT EDGE AND INTERIOR SUPPORTS PARALLEL TO THE DECK SPAN. WELDS MAY BE OMITTED IN RIBS IN WHICH SHEAR CONNECTORS ARE TO BE APPLIED, EXCEPT THAT EACH DECK SECTION SHALL HAVE SUFFICIENT WELDS TO ADEQUATELY SECURE THE DECK, BRING THE DECK INTO DIRECT CONTACT WITH THE SUPPORTING STEEL AND TO PROVIDE SUFFICIENT DIAPHRAGM STRENGTH TO MAINTAIN BUILDING ALIGNMENT.

6. AS AN ALTERNATE TO PUDDLE WELDS FOR STEEL DECK ATTACHMENT TO STRUCTURAL STEEL, HILTI X-HSN-24 OR X-ENP-19 POWDER ACTUATED FASTENERS, OR AN APPROVED EQUAL, WITH EQUIVALENT OR GREATER CAPACITY TO THE SPECIFIED ATTACHMENT MAY BE USED. THE CONTRACTOR SHALL SUBMIT, ALTERNATIVE FASTENING PATTERN AND CALCULATIONS OR SUPPORTING MANUFACTURER DATA PROVING THAT GREATER OR EQUAL CAPACITY IS ACHIEVED, TO THE ENGINEER OF RECORD PRIOR TO INSTALLATION FOR REVIEW AND APPROVAL.

7. POWDER ACTUATED FASTENERS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL BE CERTIFIED AND TRAINED BY THE MANUFACTURER'S REPRESENTATIVE ON PROPER USE PRIOR TO INSTALLATION.

8. PRIOR TO FABRICATION, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE STEEL DECKING, SHOWING DECK GAUGE, SIZE AND LAYOUT AS WELL AS CLOSURE CONDITIONS, WELDS TO SUPPORTS AND SIDE LAP DETAILS.

9. ALL REINFORCED OPENINGS IN STEEL DECK SHALL BE INSTALLED BY STEEL DECK SUBCONTRACTOR. STEEL DECK SUBCONTRACTOR TO PROVIDE REINFORCING AS PER TYPICAL DETAILS.

10. AT STEEL DECK WITHOUT CONCRETE FILL THE FOLLOWING MAY BE ATTACHED WITHOUT SPECIFIC APPROVAL OF THE STRUCTURAL ENGINEER: ACOUSTICAL TILE AND GYPSUM BOARD CEILING ONLY; NO PIPING, DUCTING OR CONDUIT. MAXIMUM CEILING WEIGHT – 3.5 PSF. MAXIMUM WIRE HANGER LOAD = 60#.

11. WHERE SUSPENSION OF HANGER WIRES ARE REQUIRED BY OTHERS, VERIFY AND COORDINATE LOCATIONS, PATTERNS, SPACING, ETC. WITH THE APPROPRIATE TRADE. DRILL OR PUNCH HOLES AT BOTTOM OF DECK FLUTES OF SUFFICIENT SIZE TO PASS SUPPORT WIRES. WIRE SUPPORTS SHALL BE LOOPED AND SECURED WITH A MINIMUM OF THREE (3) TIGHT TURNS AROUND A MINIMUM 1½"x12" LONG FURRING CHANNEL OR NO. 3x12" LONG REINFORCING BAR CENTERED ABOVE THE HOLE AND LAID IN THE DECK FLUTES.

SPECIAL INSPECTIONS

1. INSPECTIONS REQUIRED BY THE LOCAL JURISDICTION SHALL BE PERFORMED BY A TESTING AGENCY PROVIDED BY THE OWNER FOR THE FOLLOWING ITEMS:
   A. INSPECTION OF FABRICATORS (IBC 1704.2.5)
   B. STEEL CONSTRUCTION (IBC 1705.2)
      i. STRUCTURAL STEEL (IBC 1705.2.1)
         1. STRUCTURAL STEEL WELDING (AISC 360, AWD D1.1)
         2. HIGH STRENGTH BOLTS (AISC 360)
      ii. STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL
         1. COLD FORMED STEEL DECK (IBC 1705.2.2)
   C. CONCRETE CONSTRUCTION (IBC 1705.3, TABLE 1705.3)
      i. MATERIALS TESTS (IBC 1705.3.2, TABLE 1705.3)
      ii. POST-INSTALLED ANCHORS (IBC TABLE 1705.3, ACI 318 CHAPTER 17)
   D. MASONRY CONSTRUCTION (IBC 1705.4, ACI 530 AND ACI 530.1 LEVEL B QUALITY ASSURANCE)
   E. SOILS (IBC 1705.6 TABLE 1705.6)

2. STRUCTURAL OBSERVATIONS REQUIRED BY THE LOCAL JURISDICTION AND IBC 1704.5 SHALL BE PERFORMED BY A REGISTERED DESIGN PROFESSIONAL PROVIDED BY THE OWNER. STRUCTURAL OBSERVATIONS SHALL BE THE VISUAL OBSERVATION OF THE STRUCTURAL SYSTEM FOR GENERAL CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS.

3. TESTING AGENCY FOR THE INSPECTIONS SHALL FILE ALL APPROPRIATE FORMS WITH THE BUILDING DEPARTMENT.

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

ITJAV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
4	03-07-2025	NYSED RESUBMISSION FOR PERMIT AMENDMENT
3	3/07/2025	SED PERMIT AMENDMENT 02
2	1/28/2025	SED PERMIT AMENDMENT 01
1	6/5/2024	ISSUED TO SED FOR PERMIT

STATE OF NEW YORK · NATHANIEL ERIK OPPENHEIMER · LICENSED PROFESSIONAL ENGINEER · 093888

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

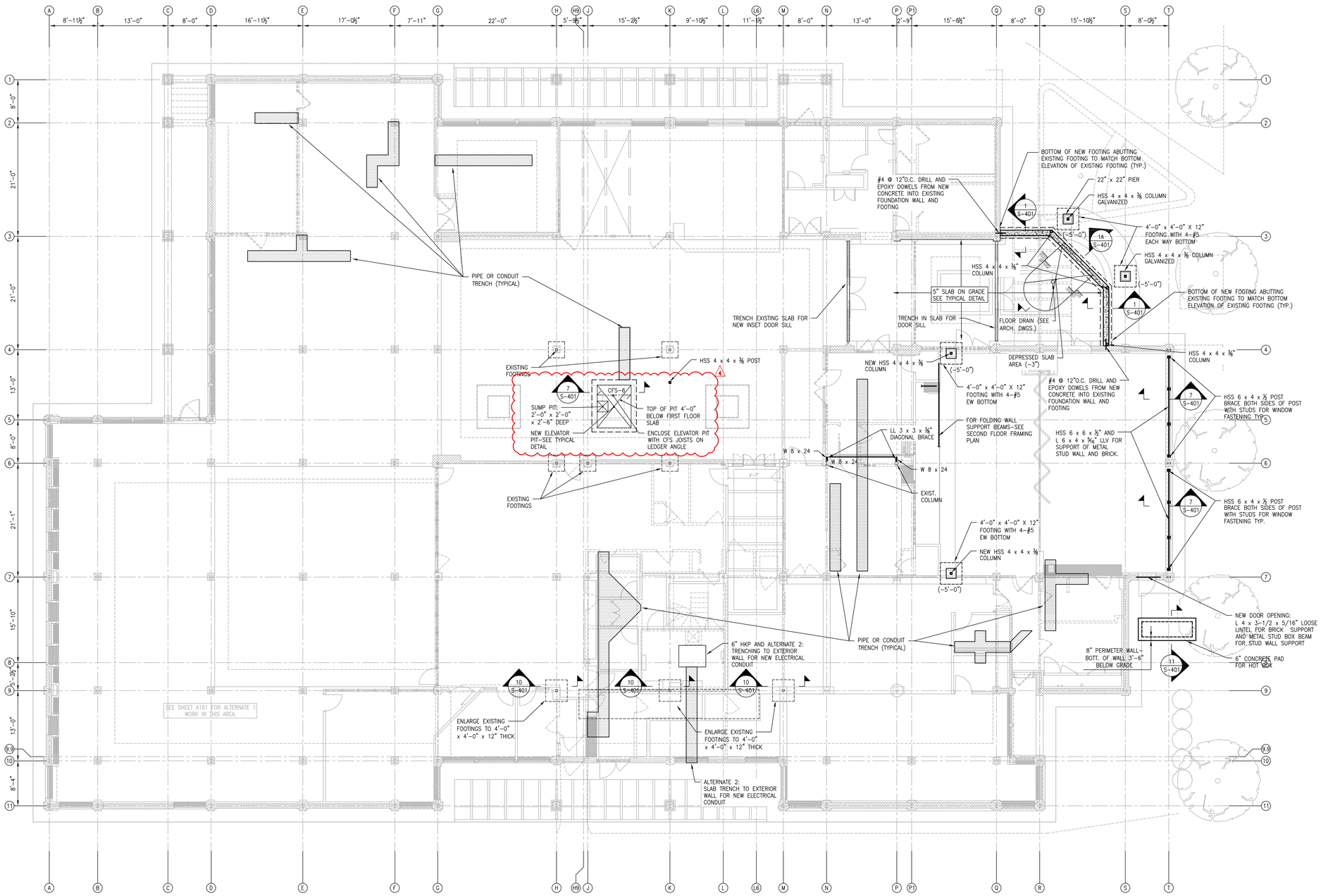
ALTERNATE 3
GENERAL NOTES

PROJECT NO.: 2578-02

DRAWING NO.: ALTERNATE 3
S-001.00

SILMAN # 30107

one eighth inch = one foot 16 0 4 8



LEGEND:

- SAWCUT EXISTING SLAB FOR PIPING OR CONDUIT TRENCH, SEE TYPICAL DETAIL
- NEW STEEL MEMBER
- (-5'-0") APPROXIMATE BOTTOM OF FOOTING ELEVATION FROM GRADE (ACTUAL ELEVATION TO BE DETERMINED IN THE FIELD FOR SOIL CAPACITY)
- CFS-6 6" CFS JOISTS. MARINOWARE 600S162-54 @16"O.C. OR SUBSTITUTE APPROVED BY EOR. (4)

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

ITJAV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
4	03-07-2025	NYSED RESUBMISSION FOR PERMIT AMENDMENT
3	3/07/2025	SED PERMIT AMENDMENT 02
2	1/28/2025	SED PERMIT AMENDMENT 01
1	6/5/2024	ISSUED TO SED FOR PERMIT

STATE OF NEW YORK · NATIONAL EMBLEM (OPPOSITE) · LICENSED PROFESSIONAL ENGINEER · 89888

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

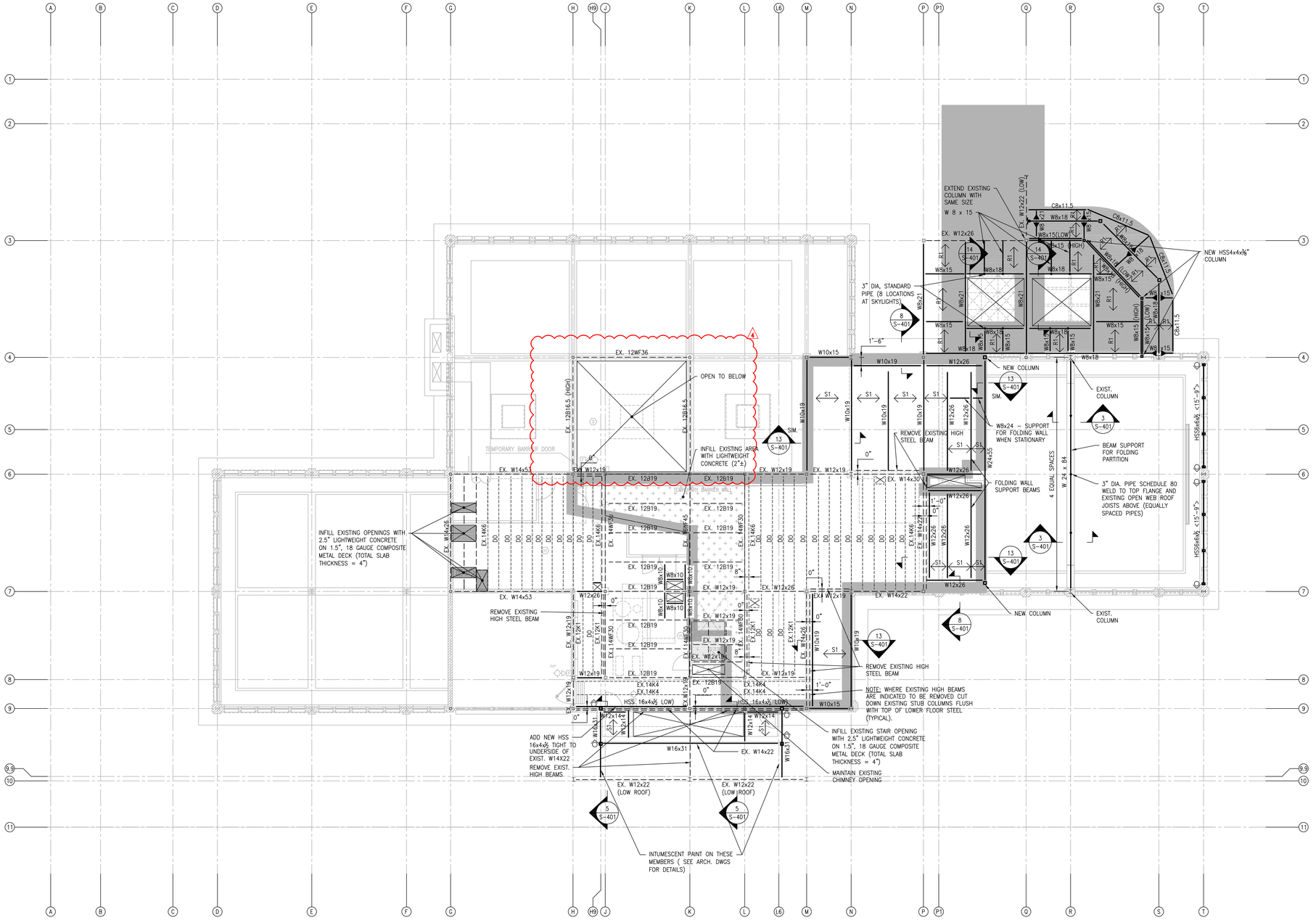
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3 FOUNDATION/FIRST FLOOR FRAMING PLAN

PROJECT NO.: 2578-02 | 1/8=1'-0"

DRAWING NO.: ALTERNATE 3
S-101.00

SILMAN # 30107



LEGEND:

S1	2.5" LIGHTWEIGHT CONCRETE ON 1.5", 18 GAUGE, COMPOSITE METAL DECK (TOTAL SLAB THICKNESS = 4")
	POST DOWN
	POST UP
EX. 12B19	EXISTING STEEL BEAMS OR STEEL OPEN WEB JOISTS
	NEW STEEL MEMBER
R1	1.5" TYPE B 18 GUAGE ROOF DECK

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

ITJAV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
4	03-07-2025	NYSED RESUBMISSION FOR PERMIT AMENDMENT
3	3/07/2025	SED PERMIT AMENDMENT 02
2	1/28/2025	SED PERMIT AMENDMENT 01
1	6/5/2024	ISSUED TO SED FOR PERMIT

STATE OF NEW YORK
ANTHONY ERA OPPENHEIMER
LICENSED PROFESSIONAL ENGINEER
69688

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

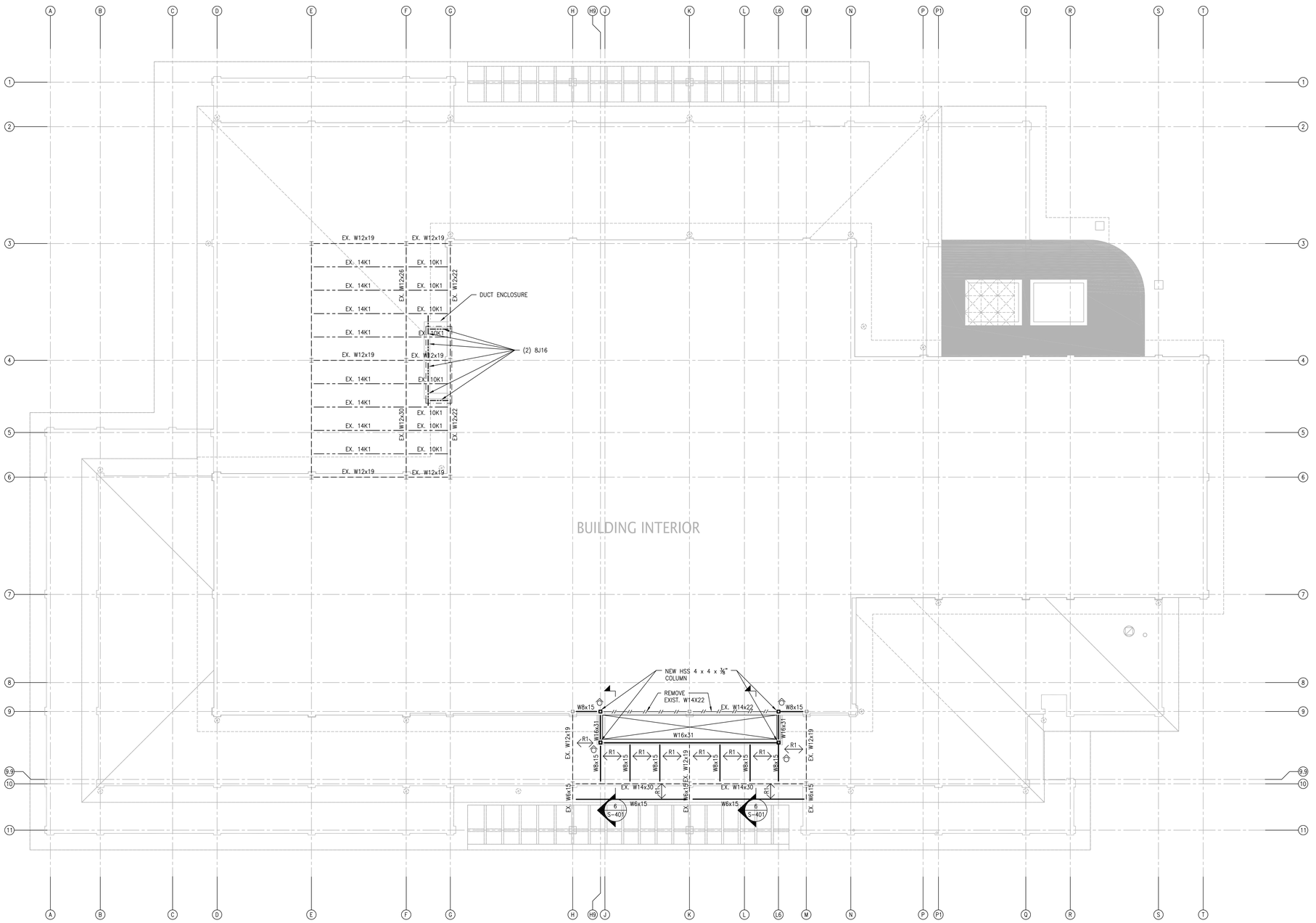
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3
SECOND FLOOR FRAMING PLAN

PROJECT NO.: 2578-02 | 1/8=1'-0"

DRAWING NO.: ALTERNATE 3
S-102.00

SILMAN # 30107



LEGEND:

R1 — 1.5" TYPE B 18 GUAGE ROOF DECK

EX. W12x19 — EXISTING STEEL BEAMS OR STEEL OPEN WEB JOISTS

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.

333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

ITJAV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
4	03-07-2025	NYSED RESUBMISSION FOR PERMIT AMENDMENT
3	3/07/2025	SED PERMIT AMENDMENT 02
2	1/28/2025	SED PERMIT AMENDMENT 01
1	6/5/2024	ISSUED TO SED FOR PERMIT

STATE OF NEW YORK
NATHANIEL EZRA OPPENHEIMER
LICENSED PROFESSIONAL ENGINEER
69688

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

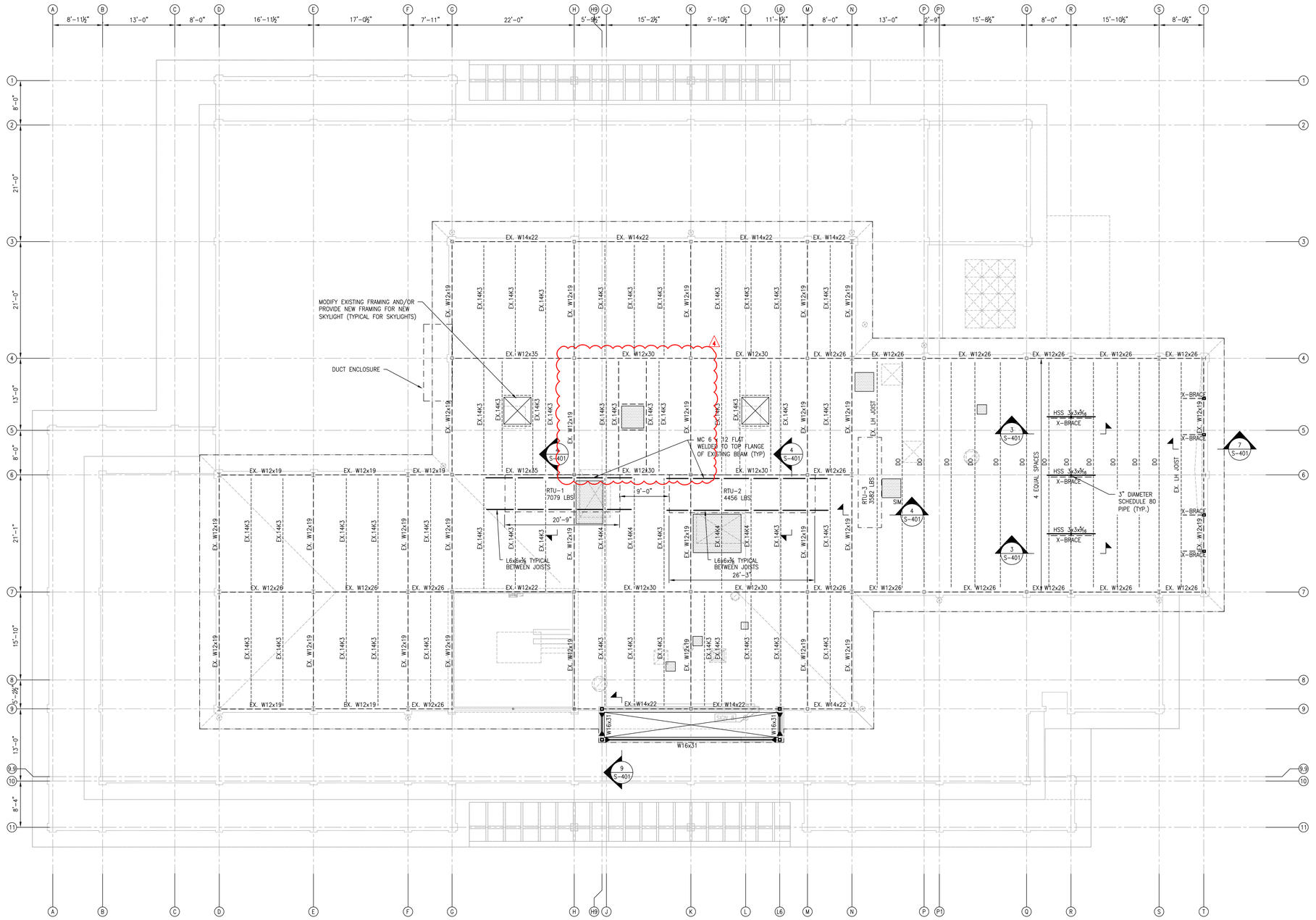
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3 MID ROOF FRAMING PLAN

PROJECT NO.: 2578-02 | 1/8=1'-0"

DRAWING NO.: ALTERNATE 3
S-103.00

SILMAN # 30107



STAIR ROOF FRAMING PLAN

LEGEND:

R1	1.5" TYPE B 18 GUAGE ROOF DECK
EX. W12x19	EXISTING STEEL BEAMS OR STEEL OPEN WEB JOISTS
	MOMENT CONNECTION
	INFILL EXISTING OPENING WITH 1.5" TYPE B, 18 GUAGE ROOF DECK

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
4	03-07-2025	NYSED RESUBMISSION FOR PERMIT AMENDMENT
3	3/07/2025	SED PERMIT AMENDMENT 02
2	1/28/2025	SED PERMIT AMENDMENT 01
1	6/5/2024	ISSUED TO SED FOR PERMIT

STATE OF NEW YORK · MATTHEW ERIK OPPENHEIMER · LICENSED PROFESSIONAL ENGINEER · 085888

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

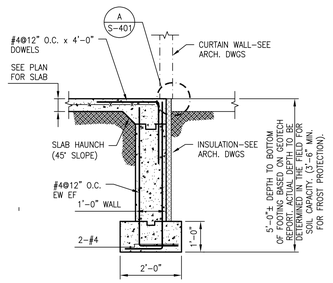
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3 HIGH ROOF FRAMING PLAN

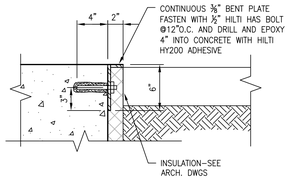
PROJECT NO.: 2578-02 | 1/8=1'-0"

DRAWING NO.: ALTERNATE 3
S-104.00

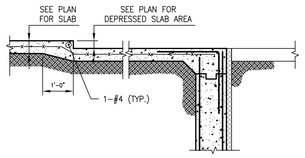
SILMAN # 30107



1 S-401 SECTION
SCALE: 1/2"=1'-0"

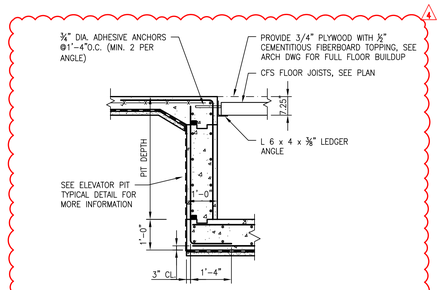


A S-401 DETAIL
SCALE: 1 1/2"=1'-0"

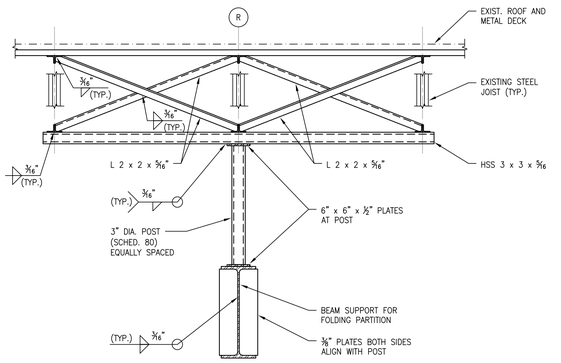


1A S-401 SECTION
SCALE: 1/2"=1'-0"

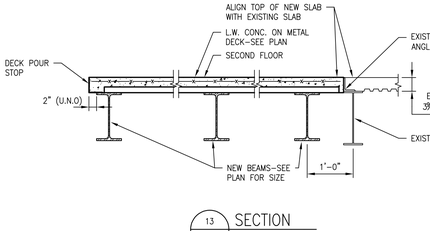
(FOR INFO. NOT SHOWN SEE SECTION 1/S-401)



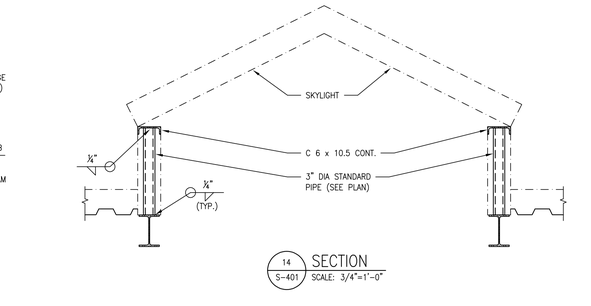
2 S-401 SECTION
SCALE: 1/2"=1'-0"



3 S-401 SECTION ON GRID "R"
SCALE: 3/4"=1'-0"

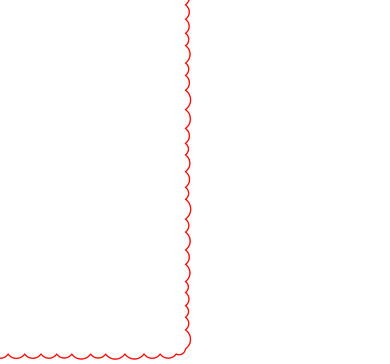


4 S-401 SECTION
SCALE: 3/4"=1'-0"

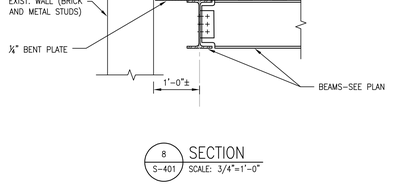


5 S-401 SECTION
SCALE: 3/4"=1'-0"

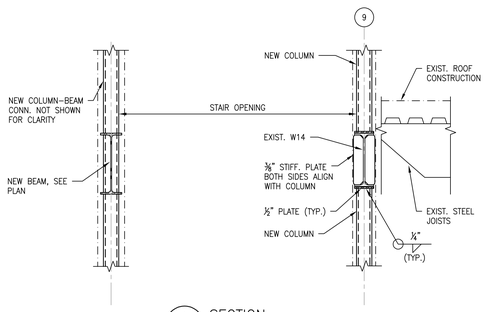
6 S-401 SECTION
SCALE: 3/4"=1'-0"



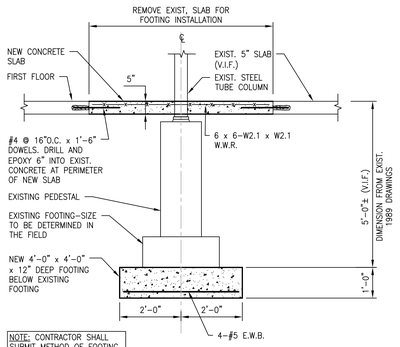
7 S-401 SECTION
SCALE: 3/4"=1'-0"



8 S-401 SECTION
SCALE: 3/4"=1'-0"

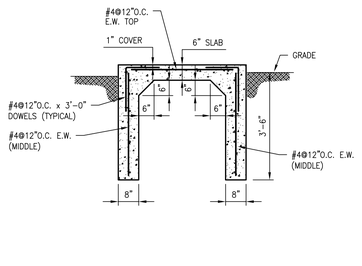


9 S-401 SECTION
SCALE: 3/4"=1'-0"



NOTE: CONTRACTOR SHALL SUBMIT METHOD OF FOOTING INSTALLATION PREPARED BY A LICENSED NEW YORK STATE ENGINEER

10 S-401 SECTION
SCALE: 1/2"=1'-0"



11 S-401 SECTION
SCALE: 1/2"=1'-0"

13 S-401 SECTION
SCALE: 3/4"=1'-0"

14 S-401 SECTION
SCALE: 3/4"=1'-0"

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

ITJAV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

4	03-07-2025	NYSED RESUBMISSION FOR PERMIT AMENDMENT
3	3/07/2025	SED PERMIT AMENDMENT 02
2	1/28/2025	SED PERMIT AMENDMENT 01
1	6/5/2024	ISSUED TO SED FOR PERMIT
ISSUE NO.		DESCRIPTION

STATE OF NEW YORK · NATIONAL ERA OF PROGRESS · 85988 · LICENSED PROFESSIONAL ENGINEER

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

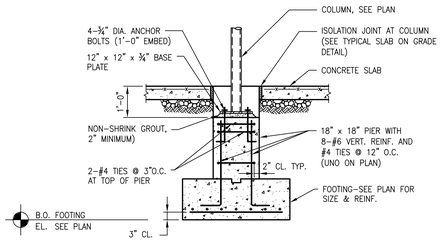
ALTERNATE 3
SECTIONS

PROJECT NO.: 2578-02

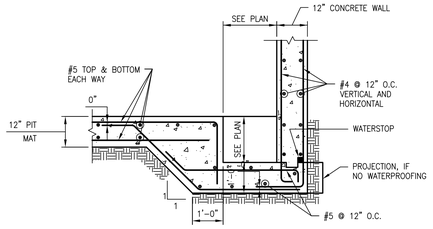
DRAWING NO.: ALTERNATE 3
S-401.00

one eighth inch = one foot 16 8 4 2 1

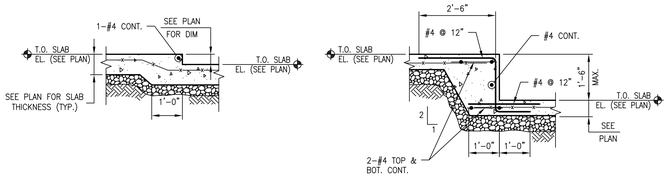
SILMAN # 30107



TYPICAL DETAIL
STEEL COLUMN/PIER AND FOOTING
N.T.S.



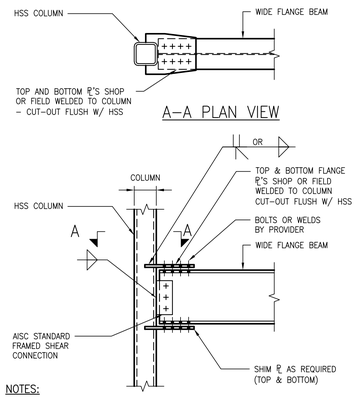
TYPICAL DETAIL
ELEVATOR SUMP PIT
N.T.S.



STEP LESS THAN OR EQUAL TO SLAB THICKNESS

STEP GREATER THAN SLAB THICKNESS

TYPICAL DETAIL STEP IN SLAB ON GRADE
N.T.S.

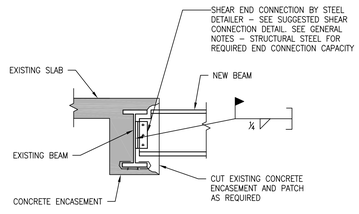


NOTES:

1. CONNECTION DETAILS SHOWN ABOVE ARE SCHEMATIC DETAILS ONLY. CONTRACTOR SHALL DETAIL MOMENT CONNECTIONS BASED ON NOTE 4, IN ACCORDANCE WITH CODES AND SHALL PROVIDE SIGNED AND SEALED CALCULATIONS FOR FULL CONNECTIONS PRIOR TO SUBMITTAL OF SHOP DRAWINGS.
2. REFER TO GENERAL NOTES FOR BOLTED CONNECTION STANDARDS.
3. PROVIDE BOLTED CONNECTION IN WEB FOR BEAM REACTION PER GENERAL NOTES.
4. PROVIDE PRETENSIONED BOLTS FOR STRUCTURES OVER 125' IN HEIGHT.
5. DESIGN MOMENT CONNECTION FOR FULL PLASTIC CAPACITY OF COLUMN.

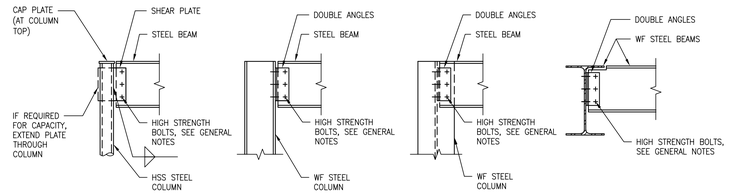
Engineer verify that HSS does not require reinforcement for moment connection limit states

TYPICAL DETAIL HSS COLUMN MOMENT CONNECTION (CUT–OUT PLATE)
N.T.S.



NOTE:
IF EXISTING CONNECTIONS INTERFERE WITH THIS DETAIL, CONTRACTOR SHALL SUBMIT ALTERNATE DETAIL FOR REVIEW.

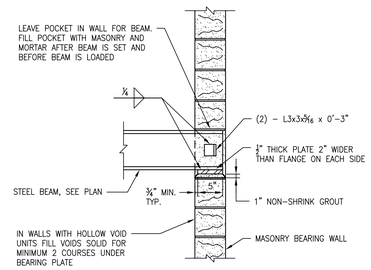
TYPICAL DETAIL
CONNECTION OF NEW STEEL BEAM TO EXISTING STEEL BEAM
N.T.S.



BEAM TO HSS COLUMN | BEAM TO WF COLUMN FLANGE | BEAM TO WF COLUMN WEB | WF BEAM TO WF BEAM

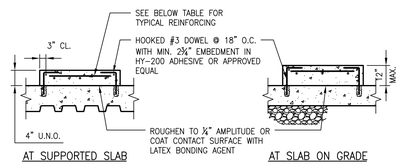
NOTES:
1. CONNECTION DETAILS SHOWN ABOVE ARE SCHEMATIC ONLY. THE CONTRACTOR MAY SUBMIT ALTERNATE DETAILS FROM THOSE SHOWN ABOVE, BUT IN ANY CASE THE CONTRACTOR IS RESPONSIBLE FOR PRODUCING STEEL SHOP DRAWINGS IN ACCORDANCE WITH THE PROJECT GENERAL NOTES AND AISC GUIDELINES. CALCULATIONS SHALL BE SUBMITTED AS REQUIRED IN THE GENERAL NOTES AND ELSEWHERE IN THE CONTRACT DOCUMENTS.
2. THE CONTRACTOR SHALL DETAIL THE PROJECT CONNECTIONS FOR THE LOADS AS INDICATED IN THE CONTRACT DOCUMENTS, PER AISC GUIDELINES. THE SCHEMATIC DETAILS ABOVE ARE NOT SUGGESTIVE OF SPECIFIC CAPACITIES. THE NUMBER AND SIZE OF BOLTS, SIZE AND LENGTH OF WELDS, AND SIZE OF STEEL PIECES MUST BE DETERMINED PER AISC GUIDELINES AND THE CONTRACT DOCUMENTS.
3. PROVIDE FULL DEPTH CONNECTIONS AT ALL PERIMETER BEAM CONNECTIONS AND AT BEAM CONNECTIONS TO PERIMETER BEAMS, UNLESS OTHERWISE NOTED.

TYPICAL DETAIL SUGGESTED SHEAR CONNECTIONS AT GRAVITY LOADS ONLY
N.T.S



MARK	LENGTH (⊥ TO BM.)	WIDTH (∥ TO BM.)	THICKNESS
BP–1			
BP–2			
BP–3			

TYPICAL DETAIL
BEAM BEARING ON NEW MASONRY WALL
N.T.S

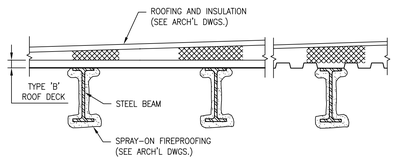


AT SUPPORTED SLAB | AT SLAB ON GRADE

EQUIPMENT PAD TEMPERATURE AND SHRINKAGE REINFORCING	
PAD THICKNESS	REINFORCING
4"–5"	#3 @ 12" O.C. EACH WAY
6"–9"	#4 @ 12" O.C. EACH WAY
10"–12"	#5 @ 12" O.C. EACH WAY

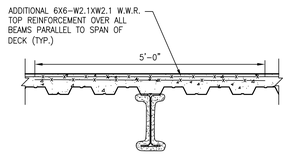
NOTES:
1. FOR SIZE AND LOCATION SEE ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. CONCRETE FOR PADS SHALL BE NORMAL WEIGHT WITH f'c = 4,000 PSI.

TYPICAL DETAIL EQUIPMENT PAD
SCALE: N.T.S.

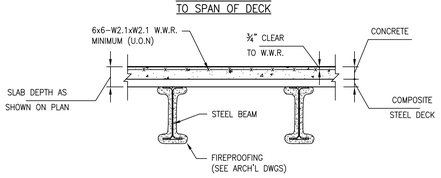


AT BEAM PERPENDICULAR TO SPAN OF DECK | AT BEAM PARALLEL TO SPAN OF DECK

TYPICAL DETAIL STEEL ROOF DECK CONSTRUCTION
N.T.S.

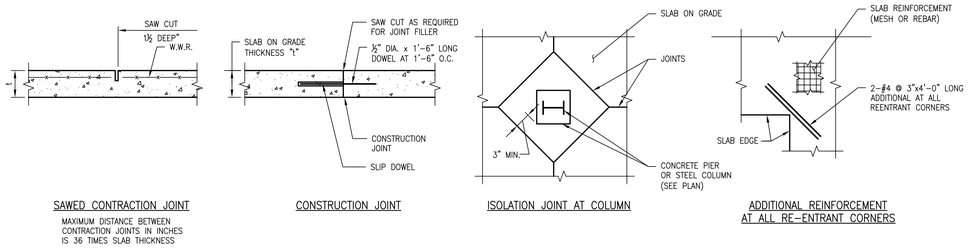


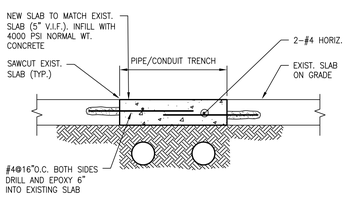
AT BEAM PARALLEL TO SPAN OF DECK



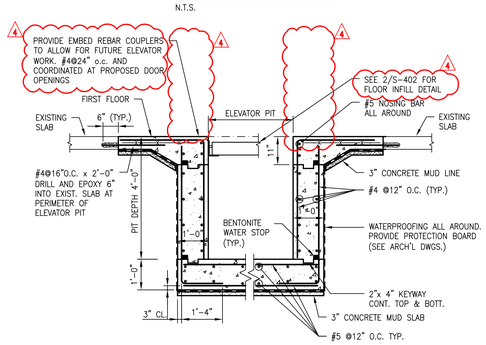
AT BEAM PERPENDICULAR TO SPAN OF DECK

TYPICAL CONCRETE SLAB ON METAL DECK CONSTRUCTION
N.T.S.

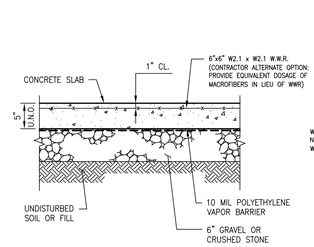




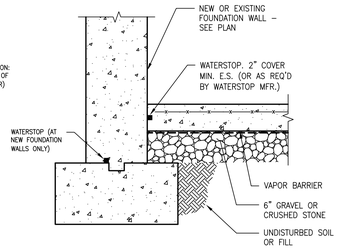
TYPICAL TRENCH DETAIL
N.T.S.



TYPICAL DETAIL ELEVATOR PIT (EXTERIOR WATERPROOFING)
N.T.S.



SLAB ON GRADE



SLAB–ON–GRADE & WALL INTERFACE

TYPICAL SLAB ON GRADE
N.T.S.

NOTES:

1. SLAB ON GRADE SHALL BE PLACED IN ALTERNATING STRIPS WHERE EACH SINGLE STRIP DOES NOT EXCEED 36 TIMES SLAB THICKNESS WIDTH IN INCHES. ALTERNATIVELY, LARGE BLOCK PLACEMENTS WITH INTERIOR CONTRACTION JOINTS ARE ACCEPTABLE IF THE CONTRACTION JOINTS ARE MADE IN BOTH DIRECTIONS AT SPECIFIED INTERVALS IN A TIMELY MANNER.
2. SAWED CONTRACTION JOINTS SHALL BE LOCATED AT A MAXIMUM SPACING IN INCHES OF 36 TIMES THE SLAB THICKNESS. JOINTS SHALL BE SAWED NO LATER THAN 24 HOURS AFTER CONCRETE IS PLACED.
3. GRAVEL OR CRUSHED STONE BASE SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT.

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

OWNER'S CONSULTANTS

CONSTRUCTION MANAGER
CALGI CONSTRUCTION MANAGEMENT
56 LAFAYETTE AVENUE, SUITE 350
WHITE PLAINS, NY 10603
914-682-9423

HAZMAT CONSULTANT
OMEGA ENVIRONMENTAL SERVICES
280 HUYLER ST
SOUTH HACKENSACK, NJ 07606
201-489-8700

IT/AV CONSULTANT
SHARP ELECTRONICS CORPORATION
MONTVALE, NEW JERSEY

FURNITURE SYSTEMS CONSULTANT
MACOOFFICESOURCE
MACOOFFICE.COM
845 915-0070

ISSUE NO.		DESCRIPTION
4	03-07-2025	NYSED RESUBMISSION FOR PERMIT AMENDMENT
3	3/07/2025	SED PERMIT AMENDMENT 02
2	1/28/2025	SED PERMIT AMENDMENT 01
1	6/5/2024	ISSUED TO SED FOR PERMIT

STATE OF NEW YORK · INTERNAL EXAMINER · LICENSED PROFESSIONAL ENGINEER · 69868

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3

TYPICAL DETAILS

PROJECT NO.: 2578-02

DRAWING NO.: ALTERNATE 3
S-501.00

SILMAN # 30107

PLUMBING PIPE MATERIAL SCHEDULE

PIPE SYSTEM	SIZE	PIPE			FITTINGS		
		MATERIAL	TYPE / WEIGHT	STANDARD	MATERIALS	TYPE / WEIGHT	STANDARD
DOMESTIC WATER PIPING (CW, HW, HWC)	ALL	COPPER	HARD / TYPE L	ASTM B88	COPPER	95 / 5 SOLDER LEAD FREE	ASTM B828 ASME B16.22
WATER SERVICE PIPING	¾" - 4"	COPPER	HARD / TYPE K	ASTM B75 ASTM B88	COPPER	95 / 5 SOLDER LEAD FREE	ASTM B828 ASME B16.22
	ALL	DUCTILE IRON	SCHEDULE 40	AWWA C151/A21.51	DUCTILE IRON	GROOVED END	AWWA C606
SANITARY, WASTE, VENT (ABOVE GROUND)	< 4"	COPPER	DWV HARD / TYPE L	ASTM B88	DWV COPPER	95 / 5 SOLDER LEAD FREE	ASTM B828 ASME B16.22
	ALL	CAST IRON	HUBLESS / HUB AND SPIGOT	ASTM A74 ASTM A888 CISPI 301 / 310	CAST IRON	LEAD / OAKUM	ASTM B29
			SCHEDULE 40 / SERVICE		CAST IRON	COUPLING	ASTM C564
SANITARY, WASTE, VENT (BELOW GROUND)	ALL	CAST IRON	HUB AND SPIGOT EXTRA-HEAVY	ASTM A74 ASTM A888 CISPI 301 / 310	CAST IRON	LEAD / OAKUM	ASTM B29
STORM (ABOVE GROUND)	ALL	CAST IRON	HUBLESS / HUB AND SPIGOT	ASTM A74 ASTM A888 CISPI 301 / 310	CAST IRON	LEAD / OAKUM	ASTM B29
			SCHEDULE 40 / SERVICE		CAST IRON	COUPLING	ASTM C564
NATURAL GAS	≤ 4"	STEEL	SCHEDULE 40	ASTM A53 ASTM A106	MALLEABLE IRON	THREADED	ASME B16.3
	> 4"	STEEL	SCHEDULE 40	ASTM A53 ASTM A106	MALLEABLE IRON	WELDED	ASME B16.3

NOTES:
1. INSTALL DUCTILE IRON PIPING UNDER BUILDING SLAB WITH RESTRAINED JOINSTS ACCORDING TO AWWA C600 AND AWWA M41.
2. INSTALL UNDERGROUND COPPER AND DUCTILE IRON PIPE IN PE ENCASEMENT ACCORDING TO ASTM A 674 OR AWWA C105/A21.5
3. DUCTILE IRON WATER SERVICE PIPING SHALL BE CEMENT MORTAR LINED IN ACCORDANCE WITH AWWA C104.
4. WATER SERVICE PIPE SHALL CONFORM TO NSF 61 AND SHALL HAVE A WORKING PRESSURE RATING OF NOT LESS THAN 160 PSI AT 73.4 °F
5. ALL MEDICAL GAS PIPE SHALL BE MANUFACTURER CLEANED, PURGED, AND SEALED FOR MEDICAL GAS SERVICE, OR ACCORDING TO CGA G-4.1 FOR OXYGEN SERVICE. INCLUDE STANDARD COLOR MARKING "OXY", "MED", "OXY/MED", OR "ACR/MED" IN BLUE FOR TYPE L TUBE.

PLUMBING FIXTURE SCHEDULE

TAG	SYMBOLS		FIXTURES	PLUMBING CONNECTIONS				DESCRIPTION
	PLAN	ELEVATION		WASTE	VENT	COLD WATER	HOT WATER	
P-1			WATER CLOSET WALL-MOUNT	4"	2"	1¼"	-	MANUFACTURER: SLOAN MODEL: 2102469 1.1-1.6 GDF FLUSH VOLUME, WALL MOUNTED TOILET, WITH ELONGATED BOWL, VITREOUS CHINA, 1⅞ I.P.S REAR SPUD INLET, 2⅛" TRAPWAY, 10⅛" x 16¾" WATER SPOT AREA. 25 PSI (FLOWING), 80 PSI (STATIC) OPERATING PRESSURE FLUSHOMETER; MAKE: SLOAN MODEL; 152 ES-S CONCEALED CLOSET, 1.6GPF, HARD-WIRED POWER TYPE
P-2			LAVATORY WALL HUNG	2"	2"	¾"	¾"	MANUFACTURER: SLOAN MODEL: AER-DEC 1-STATION WALL-MOUNTED SINK, CORIAN. FAUCET; MAKE: SLOAN MODEL: 3324004 COLOR: AS SELECTED BY ARCHITECT. 4" TRIM PLATE, MULTI-LAMINAR SPRAY TYPE, BELOW DECK THERMOSTATIC MIXING VALVE, INFRARED SENSOR, BATTERY POWERED DECK-MOUNTED LOW BODY FAUCET. 1.5 GPM FLOW RATE, POLISHED CHROME FINISH. SINGLE HOLE MOUNTING TYPE. SOAP DISPENSER; MAKE: SLOAN MODEL: 3346087 2" MAXIMUM DECK THICKNESS, BATTERY POWER TYPE, INFRARED SENSOR, ELECTRONIC, CHROME PLATED DIE CAST BODY, POLISHED CHROME FINISH
P-3			PANTRY SINK	2"	2"	¾"	¾"	MANUFACTURER: REGENCY MODEL: 600DI14416R 14"x16"x10" 20 GAUGE STAINLESS STEEL ONE COMPARTMENT DROP IN SINK FAUCET; MAKE: REGENCY MODEL: 600DI14416R 3½" GOOSENECK FAUCET WITH 4" CENTERS AND 2 GPM FLOW RATE
P-4			JANITOR'S SINK	3"	2"	¾"	¾"	MANUFACTURER: ELKAY MODEL: EFS3321C 16 GAUGE, TYPE 304, STAINLESS STEEL FLOOR MODEL SERVICE SINK WITH 1⅓" RADIUS CORNERS. FURNISHED WITH WALL HANGER & LK43 DRAIN WITH STRAINER. 3" DRAIN OUTLET. FAUCET; MAKE: ELKAY MODEL: LKB940C SERVICE/UTILITY WALL MOUNT FAUCET. 4.0 GPM FLOW RATE, CHROME PLATED BRASS WITH QUARTER TURN CERAMIC DISC VALVE. REQUIRES (2) FAUCET HOLES. SOLID BRASS CONSTRUCTION & CHROME FINISH. ½" NPT FEMALE INLET.
P-5			CHILDREN'S PROGRAM ROOM SINK	2"	2"	¾"	¾"	MANUFACTURER: SOHPSTONE MODEL: SOPH-SC-94 SCOOP WALL MOUNTED SINK WITH 3 ADA COMPLAINT WALL MOUNTED FAUCETS FAUCET; MAKE: KHOLER MODEL: PURIST COLOR: AS SELECTED BY ARCHITECT. SERVICE/UTILITY WALL MOUNT FAUCET 1.2 GPM FLOW RATE, CHROME PLATED BRASS WITH QUARTER TURN CERAMIC DISC VALVE. REQUIRES (3) FAUCET HOLES. SOLID BRASS CONSTRUCTION & CHROME FINISH.⅝" NPT FEMALE INLET.
P-6			COMMUNITY ROOM SINK	2"	2"	¾"	¾"	MANUFACTURER: VOLRATH MODEL: 101-1-2 13"x17" SINGLE BOWL HEAVYWEIGHT 20 GAUGE TYPE 304 STAINLESS STEEL, SELF RIMMING WITH SATIN FINISH FAUCET; MAKE: KHOLER MODEL: PURIST SERVICE/UTILITY WALL MOUNT FAUCET 1.2 GPM FLOW RATE, CHROME PLATED BRASS WITH QUARTER TURN CERAMIC DISC VALVE. REQUIRES (3) FAUCET HOLES. SOLID BRASS CONSTRUCTION & CHROME FINISH.⅝" NPT FEMALE INLET.
NFHB			NON-FREEZE HOSE-BIB	-	-	¾"	-	ZURN MODEL Z1300 ECOLOTROL WALL HYDRANT, ENCASED, NON-FREEZE, ANTI-SIPHON, AUTOMATIC DRAINING, ALL BRONZE. HINGED COVER WITH OPERATING KEY LOCK AND "WATER" CAST ON COVER
RD-1			ROOF DRAIN	ROOF DRAIN	-	-	-	JOSAM 21500-21 4" SERIES COATED CAST IRON ROOF DRAIN, CAST IRON LOCKING DOME, WELJOC® NON-PUNCTURING CLAMP RING WITH INTEGRAL GRAVEL STOP, LARGE SUMP WITH WIDE ROOF FLANGE AND BOTTOM OUTLET.
FD-1			FLOOR DRAIN	FLOOR DRAIN	3"	2"	-	FLOOR DRAIN MECHANICAL ROOMS: MANUFACTURER: SMITH, WADE, ZURN MODEL: 2120, 1320, Z-508 PROVIDE ALL POURED IN PLACE DRAINS WITH 24"X24" VINYL FLASHING, HEAVY DUTY FLOOR DRAIN WITH, CAST IRON BODY, BOTTOM OUTLET, 9" DIAMETER CAST IRON TOP, TRAP PRIMER CONNECTION, SEEPAGE PAN WITH COMBINATION MEMBRANE FLASHING CLAMP
CO			WALL CLEANOUT	WALL CLEANOUT	-	-	-	WALL CLEANOUT WITH CLEANOUT TEE AND CHROME PLATED BRONZE SQUARE ACCESS COVER AND FRAME. WADE #W-8480 OR APPROVED EQUAL.

NOTES:
1.) REFER TO ARCHITECTURAL DRAWINGS FOR FINAL FIXTURE LOCATIONS, & MOUNTING HEIGHTS.S:
2.) PROVIDE MIXING VALVE FOR ALL LAVATORY FIXTURES & SINKS.

SYMBOLS AND ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION
-	AFF	ABOVE FINISHED FLOOR
-	AHC	ABOVE HUNG CEILING
-	BFP	BACKFLOW PREVENTER
	-	BALL VALVE
	-	BASKET STRAINER
	-	BUTTERFLY VALVE
	-	CHECK VALVE
	-	CIRCUIT SETTER
	CODP	CLEAN OUT DECK PLATE
	-	CONCENTRIC REDUCER
-	DCV	DOUBLE CHECK VALVE - BFP
	-	ECCENTRIC REDUCER
	-	ELBOW DOWN
	-	ELBOW UP
	-	FLEXIBLE CONNECTION
-	FCO	FLOOR CLEAN OUT
-	FS	FLOOR SINK
	-	FLOW ARROW
-	FAI	FRESH AIR INTAKE
	-	GATE VALVE
	-	GLOBE VALVE
-	HW HTR	HOT WATER HEATER
-	LDR	LEADER
	-	MANUAL AIR VENT
	-	OS&Y GATE VALVE
	-	PLUG VALVE
	-	PIPE CAP
	-	PRESSURE GAGE
	-	PRESSURE REDUCING VALVE
	-	PUMP
-	PD	PUMP DISCHARGE
-	RPZ	REDUCED PRESSURE ZONE - BFP
-	REL.	REMOVE AND RELOCATE
-	S	SANITARY
	-	SOLENOID VALVE
	-	STRAINER
-	SD	STORM DRAINAGE
	-	TEE DOWN
	-	TEE UP
	-	THERMOMETER
-	TYP.	TYPICAL
	-	T&P RELIEF VALVE
	-	UNION
-	V	VENT
-	VTR	VENT THROUGH ROOF
-	WCO	WALL CLEAN OUT
-	W	WASTE LINE
	-	2-WAY VALVE
	-	3-WAY VALVE
	EX.	EXISTING TO REMAIN
	NEW	NEW WORK
	DEM.	EXISTING TO BE REMOVED
	CW	COLD WATER
	HW	HOT WATER
	HWC	HOT WATER RECIRCULATION

NOTE: FOR REFERENCE ONLY. NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED IN THIS PROJECT.

GENERAL NOTES

1. THE CONTRACT DRAWINGS INDICATE THE EXTENT AND GENERAL ARRANGEMENTS OF THE PLUMBING SYSTEMS. IF ANY DEPARTURES FROM THE DRAWINGS ARE DEEMED NECESSARY BY THE PLUMBING CONTRACTOR, DETAILS OF SUCH DEPARTURES AND THE REASONS THEREFORE SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL. NO SUCH DEPARTURES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT. EQUIPMENT AND PIPING ARRANGEMENTS SHALL PROVIDE ADEQUATE AND ACCEPTABLE CLEARANCES FOR ENTRY, SERVICING, AND MAINTENANCE. ANY CHANGES TO PIPING AND EQUIPMENT LOCATIONS NECESSARY TO AVOID INTERFERENCE WITH OTHER TRADES SHALL BE MADE AT NO EXTRA COST.
2. THE PLUMBING WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE PREVAILING NEW YORK STATE PLUMBING AND BUILDING CODES. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.
3. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR PAYING RELATED FEES.
4. CONNECTIONS TO EXISTING UTILITIES AND SERVICES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, INVERT ELEVATIONS, AND SIZES OF EXISTING PLUMBING SERVICES IN FIELD, AND SHALL CONNECT NEW PLUMBING SERVICES AS INDICATED ON DRAWINGS.
5. PRIOR TO FABRICATION, THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB SITE, AND COORDINATE THIS WORK WITH THE WORK OF ALL OTHER TRADES.
6. ALL ACCESS PANELS SHALL BE FURNISHED BY PLUMBING CONTRACTOR & INSTALLED BY GENERAL CONTRACTOR. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR LOCATION. COORDINATE LOCATIONS WITH ARCHITECT FOR APPROVAL.
7. PROVIDE ALL PLUMBING FIXTURES, PIPING, VALVES AND ACCESSORY ITEMS AS SPECIFIED AND AS REQUIRED FOR A COMPLETE INSTALLATION. ROUGHING DIMENSIONS OF FIXTURES MUST BE COORDINATED WITH THE GENERAL CONTRACTOR.
8. PITCH ALL WASTE, SANITARY, AND STORM DRAIN PIPING AT MAXIMUM SLOPE POSSIBLE, BUT NOT LESS THAN 1/8" PER FOOT FOR PIPING ≥ 3" AND 1/4" PER FOOT FOR PIPING ≤ 2½".
9. NO PIPING SHALL RUN EXPOSED IN FINISHED AREAS.
10. PROVIDE DIELECTRIC FITTINGS OR COUPLINGS WHEREVER DISSIMILAR METALS ARE JOINED.
11. PROVIDE SHUTOFF VALVES AT ALL FIXTURES AND EQUIPMENT ON COLD WATER, AND HOT WATER PIPES.
12. ALL WORK SHALL BE PROPERLY TESTED, BALANCED, AND CLEANED AND DISINFECTED.
13. PROVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR PIPES PENETRATING FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE AND THE SLEEVE SHALL BE SEALED WITH FIRE STOPPING MATERIAL. PENETRATIONS FOR PIPING SHALL BE MADE BY CORE DRILLING WHENEVER POSSIBLE.
14. ALL FLOOR DRAINS SHALL BE PROVIDED WITH TRAP SEALS/GUARDS.
15. THE GENERAL CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, CORE DRILLING, AND FINAL RESTORATION REQUIRED TO FACILITATE THE INSTALLATION OF PLUMBING PIPING, INCLUDING ABOVE CEILINGS AND IN SHAFTS THAT WILL NOT BE REPLACED OR OPENED UNDER ANY OTHER SCOPE OF WORK RELATED TO THIS PROJECT. CONTRACTOR TO REMOVE AND REPLACE CEILINGS, AND OPEN AND PATCH SHAFTS AND WALLS, AS REQUIRED TO EXECUTE THE PLUMBING WORK.
16. NEW PIPING LAYOUT IS PREDICATED ON RECORD DRAWING DATA OF EXISTING RISERS AND DRAWINGS. MODIFICATIONS TO THE LAYOUT MAY BE REQUIRED DUE TO DIFFERENT ACTUAL CONDITIONS, OBSTRUCTIONS, INTERFERENCES, ETC.
17. ALL MOTOR STARTERS AND DISCONNECT SWITCHES FOR PLUMBING EQUIPMENT SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED. DISCONNECT SWITCHES FURNISHED BY THE PLUMBING CONTRACTOR FOR PLUMBING EQUIPMENT SHALL BE HEAVY DUTY TYPE.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY VENTILATION AND EXHAUST AIR WHEN WELDING OR SOLDERING OPERATIONS ARE PERFORMED, AS REQUIRED BY OSHA.

EQUIPMENT NOTES

1. DOMESTIC HOT WATER RE-CIRCULATION PUMP (HWC-1): SHALL BE BASED ON BELL & GOSSETT MODEL PL-55 OR EQUAL RATED FOR 10 GPM AT 45' TDH, ⅔ HP, 115V-1 PHASE-60 HERTZ. MOTOR STARTERS AND DISCONNECT SWITCHES SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
2. WATER HAMMER ARRESTOR (WHA): SHALL BE TYPE 650 SERIES: SIOUX CHIEF "HYDRARESTER" PISTON-TYPE OR EQUAL, WITH TYPE L COPPER TUBE CONSTRUCTION, PRESSURIZED AIR CUSHION. REFER TO MANUFACTURER'S RECOMMENDED SIZING.
3. 2" DOMESTIC WATER BACKFLOW PREVENTER ASSEMBLY: SHALL BE WATTS MODEL LF009 LEAD FREE REDUCED PRESSURE ZONE BACKFLOW PREVENTER OR EQUAL. ASSEMBLY SHALL BE SUITABLE FOR PRESSURES UP TO 175 PSI AND TEMPERATURES UP TO 110°F.
4. WATER METER: SHALL BE BASED ON ELSTER EVOQ4 METER OR EQUAL, 2" SIZE, WITH INTEGRAL STRAINER. FINAL WATER METER AND SIZE, MODEL, AND DIMENSIONS SHALL BE DETERMINED & APPROVED BY THE WATER UTILITY. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND INSTALLATION, AND ALL RELATED WATER DEPARTMENT FEES.
5. 4" FIRE SERVICE BACKFLOW PREVENTER ASSEMBLY: SHALL BE ZURN WILKINS DOUBLE CHECK DETECTOR ASSEMBLY BACKFLOW PREVENTER MODEL 350 ADA OR EQUAL. ASSEMBLY SHALL BE SUITABLE FOR PRESSURES UP TO 175 PSI AND TEMPERATURES UP TO 110°F. THE ASSEMBLY SHALL INCLUDE TWO RESILIENT OS&Y SEATED SHUTOFF VALVES & FOUR BALL TYPE TEST COCKS.
6. HEATED / INSULATED ENCLOSURE: SHALL BE HOT BOX MODEL HB8N CATALOG ID HA040118068500 OR EQUAL. SINGLE ALUMINUM, 43"W x 121"L x 67.5"H, 493 LBS. 52" x 130" MOUNTING PAD BY GENERAL CONTRACTOR. ENCLOSURE SHALL BE EQUIPPED WITH (1) 1,900W, & (1) 1500W, 120V THERMOSTATICALLY CONTROLLED HEATING ELEMENTS AND LOW TEMPERATURE / POWER LOSS ALARMS TO BUILDING. ENCLOSURE SHALL INCLUDE (4) LIGHTWEIGHT REMOVABLE DOORS TO PROVIDE ACCESS CLEARANCE TO DEVICES WITHIN. PANELS / ENCLOSURE SHALL BE LOCKABLE TO DETER VANDALISM AND UNAUTHORIZED ENTRY. ENCLOSURE SHALL BE PROVIDED WITH (4) 10"x6.5" HINGED DRAIN PORTS FOR CATASTROPHIC DISCHARGE. COLOR / FINISH SELECTION SHALL BE SELECTED BY ARCHITECT.

2

7. WATER FILTER (WF): PROVIDE WATER FILTER ON COLD WATER SUPPLY FOR PANTRY. WATER FILTER TO BE AQUA-PURE MODEL AP101S OR EQUAL, ¾" INLET, 1 PSI CLEAN PRESSURE DROP @ 8GPM, 8GPM MAXIMUM FLOW RATE.
8. SOLENOID VALVES: GAS EMERGENCY SHUT-OFF SOLENOID VALVE SHALL BE BASED ON THE ASCO REDHAT SERIES GAS SHUTOFF VALVE WITH EXPLOSION-PROOF CONSTRUCTION AND 2-WAY NORMALLY CLOSED OPERATION FOR ON/OFF CONTROL OF FUEL GAS. SIZE AS PER FLOOR PLANS. VOLTAGE: 24V DC. PROVIDE WALL MOUNTED EMERGENCY SHUT-OFF SWITCH.

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
9	03/07/25	NYSED RESUBMISSION FOR PERMIT AMENDMENT
8	01/28/25	SED PERMIT AMENDMENT 01
7	12/20/24	ISSUED FOR NYSED PERMIT
6	11/22/24	CD PROGRESS REVIEW
5	09/26/24	CD PROGRESS REVIEW
4	06/05/24	ISSUED FOR NYSED SUBMISSION
3	05/30/24	PROGRESS REVIEW
2	05/15/24	95% REVIEW SET
1	04/30/24	PROGRESS REVIEW
	04/23/24	PROGRESS REVIEW

N

STATE OF NEW YORK JAMES E. LOTHROP LICENSED PROFESSIONAL ENGINEER No. 080391

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3 PLUMBING SYMBOLS, ABBREVIATIONS, NOTES, & SCHEDULES

PROJECT NO.:	2578-02	SCALE:	AS NOTED

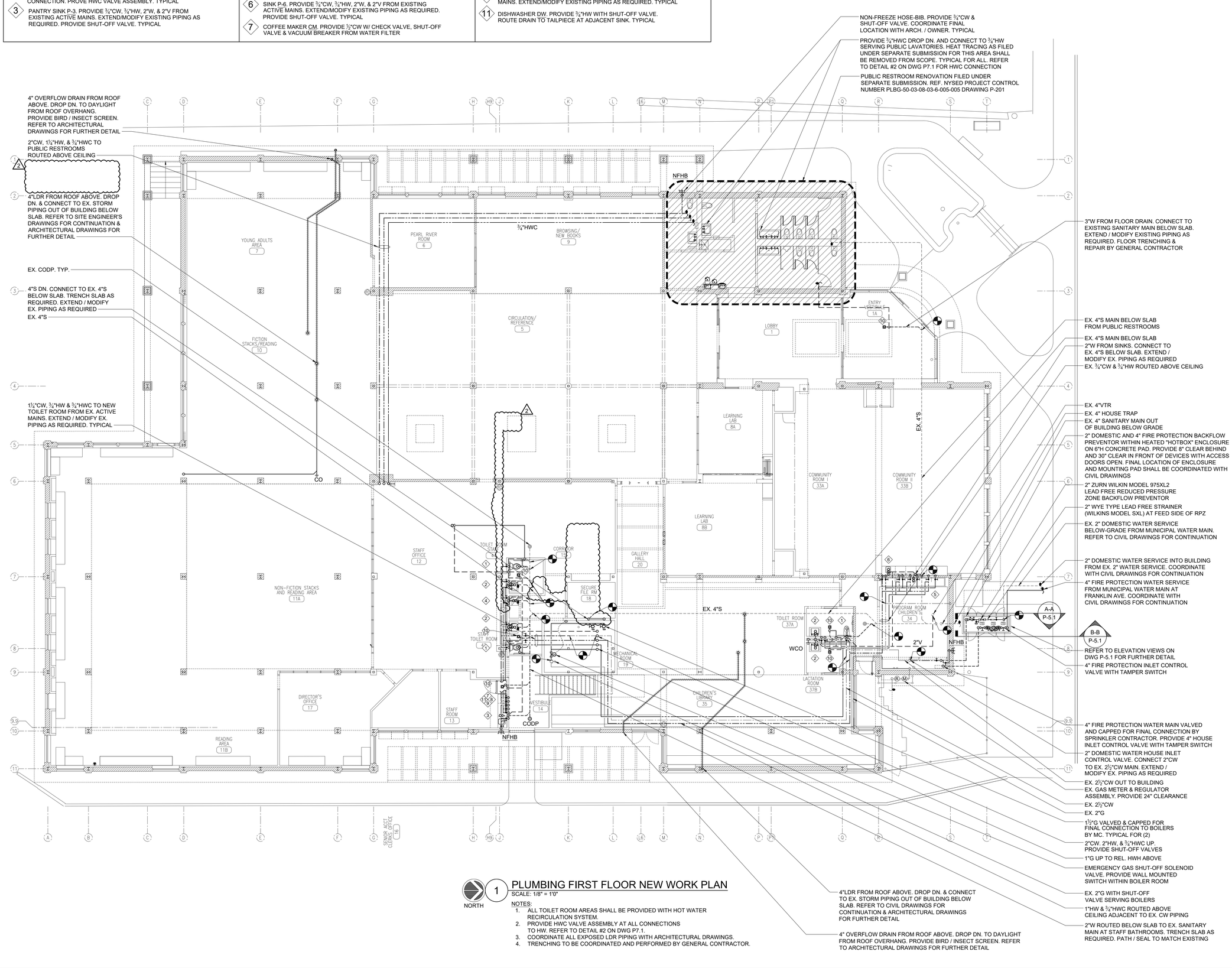
DRAWING NO.:

ALTERNATE 3 P-0.1

one eighth inch = one foot
0 4 8 16

PLUMBING KEY NOTES

1. WATER CLOSET P-1. PROVIDE 1½"CW, 4"S, & 2"V FROM EXISTING ACTIVE MAINS. EXTEND/MODIFY EXISTING PIPING AS REQUIRED. PROVIDE SHUT-OFF VALVE. TYPICAL
2. LAV P-2. PROVIDE ¾"CW, ¾"HW, 2"W, & 2"V FROM EXISTING ACTIVE MAINS. EXTEND/MODIFY EXISTING PIPING AS REQUIRED. PROVIDE SHUT-OFF VALVE. ROUTE ¾" HWC PIPING DOWN TO LAV HW CONNECTION. PROVE HWC VALVE ASSEMBLY. TYPICAL
3. PANTRY SINK P-3. PROVIDE ¾"CW, ¾"HW, 2"W, & 2"V FROM EXISTING ACTIVE MAINS. EXTEND/MODIFY EXISTING PIPING AS REQUIRED. PROVIDE SHUT-OFF VALVE. TYPICAL
4. JANITOR SINK P-4. PROVIDE ¾"CW, ¾"HW, 2"W, & 2"V FROM EXISTING ACTIVE MAINS. EXTEND/MODIFY EXISTING PIPING AS REQUIRED. PROVIDE SHUT-OFF VALVE. TYPICAL
5. TROUGH SINK P-5. PROVIDE ¾"CW, ¾"HW, 2"W, & 2"V FROM EXISTING ACTIVE MAINS. EXTEND/MODIFY EXISTING PIPING AS REQUIRED. PROVIDE SHUT-OFF VALVE. TYPICAL
6. SINK P-6. PROVIDE ¾"CW, ¾"HW, 2"W, & 2"V FROM EXISTING ACTIVE MAINS. EXTEND/MODIFY EXISTING PIPING AS REQUIRED. PROVIDE SHUT-OFF VALVE. TYPICAL
7. COFFEE MAKER CM. PROVIDE ½"CW W/ CHECK VALVE, SHUT-OFF VALVE & VACUUM BREAKER FROM WATER FILTER
8. REFRIGERATOR REF. PROVIDE ½"CW W/ CHECK VALVE & VACUUM BREAKER FROM WATER FILTER
9. WATER DISPENSER WD. PROVIDE ½"CW W/ CHECK VALVE & VACUUM BREAKER FROM WATER FILTER
10. FLOOR DRAIN FD. PROVIDE 3"W, & 2"V FROM EXISTING ACTIVE MAINS. EXTEND/MODIFY EXISTING PIPING AS REQUIRED. TYPICAL
11. DISHWASHER DW. PROVIDE ¾"HW WITH SHUT-OFF VALVE. ROUTE DRAIN TO TAILPIECE AT ADJACENT SINK. TYPICAL



PLUMBING FIRST FLOOR NEW WORK PLAN

SCALE: 1/8" = 1'0"

NORTH

NOTES:
1. ALL TOILET ROOM AREAS SHALL BE PROVIDED WITH HOT WATER RECIRCULATION SYSTEM.
2. PROVIDE HWC VALVE ASSEMBLY AT ALL CONNECTIONS TO HW. REFER TO DETAIL #2 ON DWG P7.1.
3. COORDINATE ALL EXPOSED LDR PIPING WITH ARCHITECTURAL DRAWINGS.
4. TRENCHING TO BE COORDINATED AND PERFORMED BY GENERAL CONTRACTOR.

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
1	04/23/24	PROGRESS REVIEW
2	04/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
4	05/30/24	PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
6	09/26/24	CD PROGRESS REVIEW
7	11/22/24	CD PROGRESS REVIEW
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
2	03/07/25	NYSED RESUBMISSION FOR PERMIT AMENDMENT

N

STATE OF NEW YORK · JAMES E. OLA · LICENSED PROFESSIONAL ENGINEER · No. 080391

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3 PLUMBING FIRST FLOOR NEW WORK PLAN

PROJECT NO.:	2578-02	SCALE:	AS NOTED

DRAWING NO.:

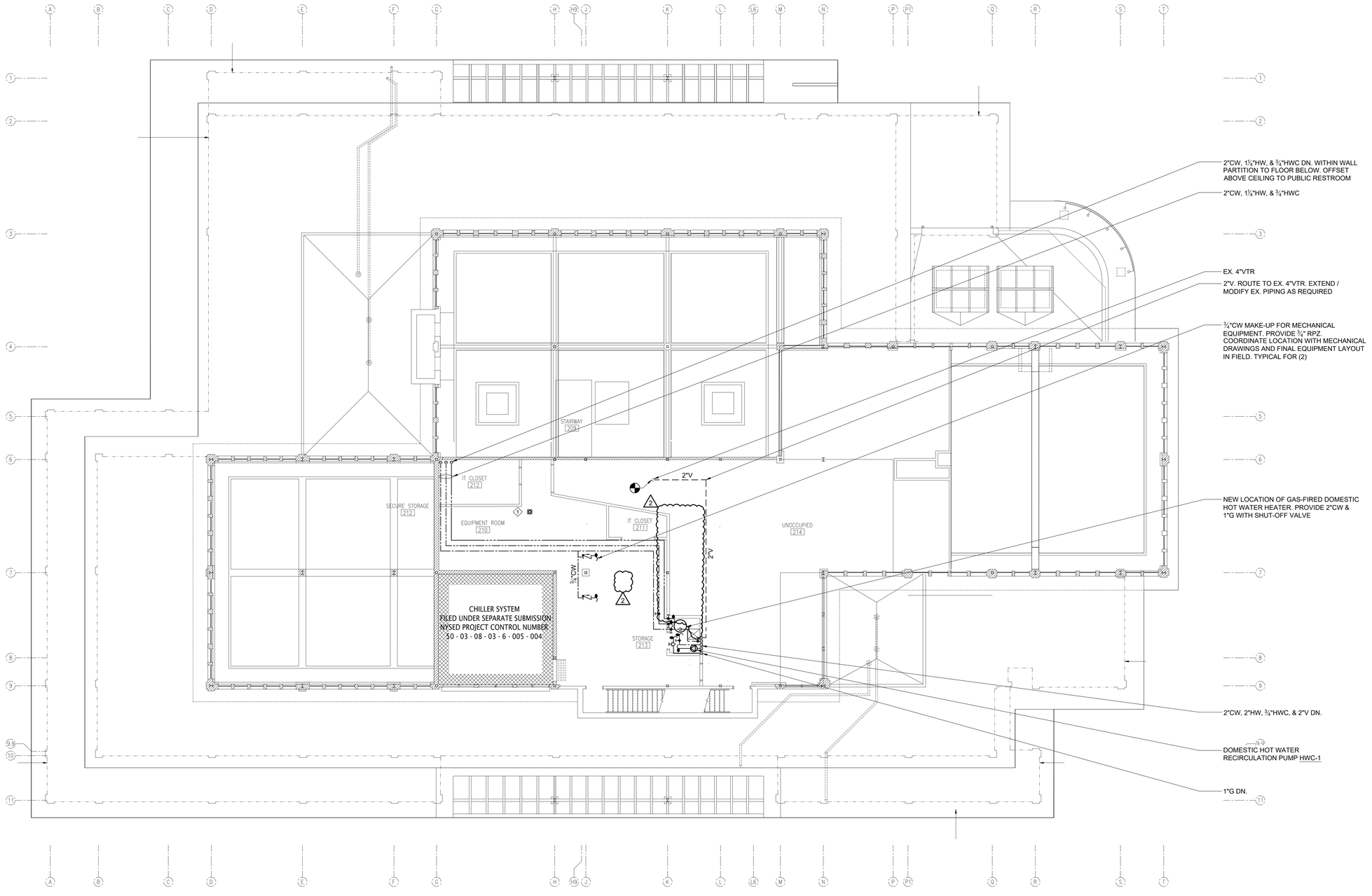
ALTERNATE 3 P-2.1

PLUMBING SCOPE OF WORK NOTES

1. PRIOR TO REMOVAL, ALL DRAINS, EXISTING TO REMAIN AND EXISTING TO BE REPLACED, SHALL BE INSPECTED AND VIDEO SCOPED TO DETERMINE CONDITION AND DRAIN FUNCTIONALITY.
2. THE DRAIN PIPES FROM ALL ROOF DRAINS TO BE REPLACED UP TO THE FIRST ELBOW. PROVIDE ACCESS OPENINGS TO INSTALL DRAIN PIPES AND ELBOW. FOR LOCATIONS COORDINATE WITH ARCHITECTURAL DRAWINGS. DO NOT REMOVE ANY CEILING HANGERS. ANY DAMAGED HANGERS SHALL BE REPLACED IN-KIND BEFORE APPLICATION OF FINISHES.
3. CLEAN AND CLEAR ALL LEADERS OF ANY OBSTRUCTIONS UP TO THE HOUSE TRAPS AND TEST BEFORE AND AFTER INSTALLATION OF ROOF DRAINS.
4. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL PERFORM A ROOF FLOOD TEST.

PLUMBING KEY NOTES

1. FLOOR DRAIN FD. PROVIDE 3"W, & 2"V FROM EXISTING ACTIVE MAINS. EXTEND/MODIFY EXISTING PIPING AS REQUIRED. TYPICAL



PLUMBING SECOND FLOOR NEW WORK PLAN

SCALE: 1/8" = 1'0"

NORTH

NOTES:
1. ALL NEW AND EXISTING TOILET ROOM AREAS SHALL BE PROVIDED WITH HOT WATER RECIRCULATION SYSTEM.
2. PROVIDE HWC VALVE ASSEMBLY AT ALL CONNECTIONS TO HW. REFER TO DETAIL #2 ON DWG P7.1.

one eighth inch = one foot

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
2	03/07/25	NYSED RESUBMISSION FOR PERMIT AMENDMENT
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

STATE OF NEW YORK · JAMES [illegible] · LIC. NO. 080991-1 · PROFESSIONAL ENGINEER

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

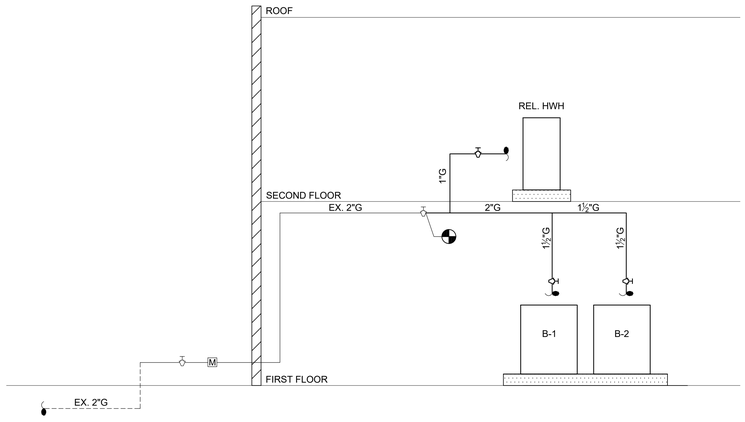
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3 PLUMBING SECOND FLOOR NEW WORK PLAN

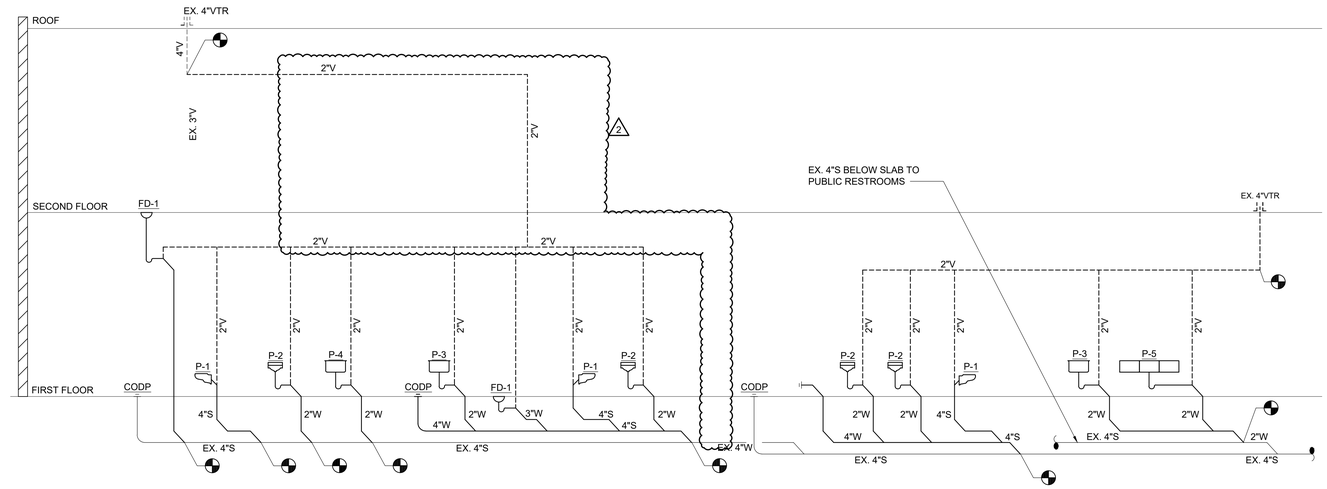
PROJECT NO.: 2578-02 | SCALE: AS NOTED

DRAWING NO.:

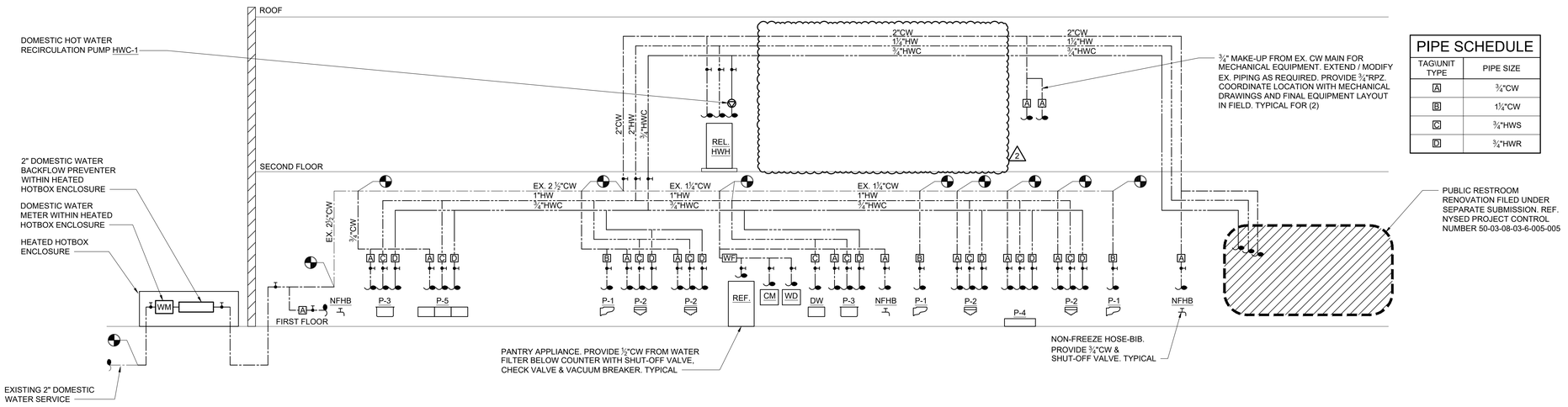
ALTERNATE 3 P-2.2



5 PLUMBING GAS RISER DIAGRAM
SCALE: NONE



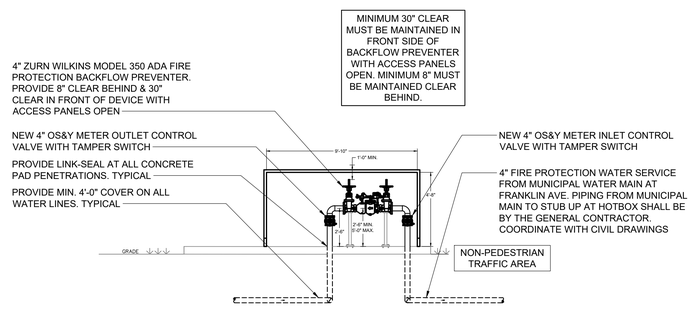
4 PLUMBING SANITARY RISER DIAGRAM
SCALE: NONE



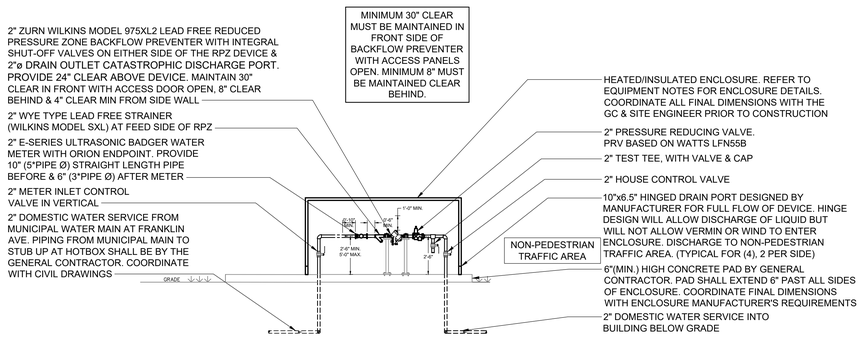
PIPE SCHEDULE	
TAG\UNIT TYPE	PIPE SIZE
A	¾"CW
B	1¼"CW
C	¾"HWS
D	¾"HWR

3 PLUMBING DOMESTIC WATER RISER DIAGRAM
SCALE: NONE

NOTES:
1. ALL NEW AND EXISTING TOILET ROOM AREAS SHALL BE PROVIDED WITH HOT WATER RECIRCULATION SYSTEM.
2. PROVIDE HWC VALVE ASSEMBLY AT ALL CONNECTIONS TO HW. REFER TO DETAIL #2 ON DWG P-7.1



2 ELEVATION B-B
SCALE: NONE



1 ELEVATION A-A
SCALE: NONE

NOTES:
1. ALL EXCAVATION WORK & TRENCHING SHALL BE PERFORMED BY THE GENERAL CONTRACTOR

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
2	03/07/25	NYSED RESUBMISSION FOR PERMIT AMENDMENT
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

STATE OF NEW YORK — JAMES [illegible] — LICENSED PROFESSIONAL ENGINEER — No. 080391-1

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

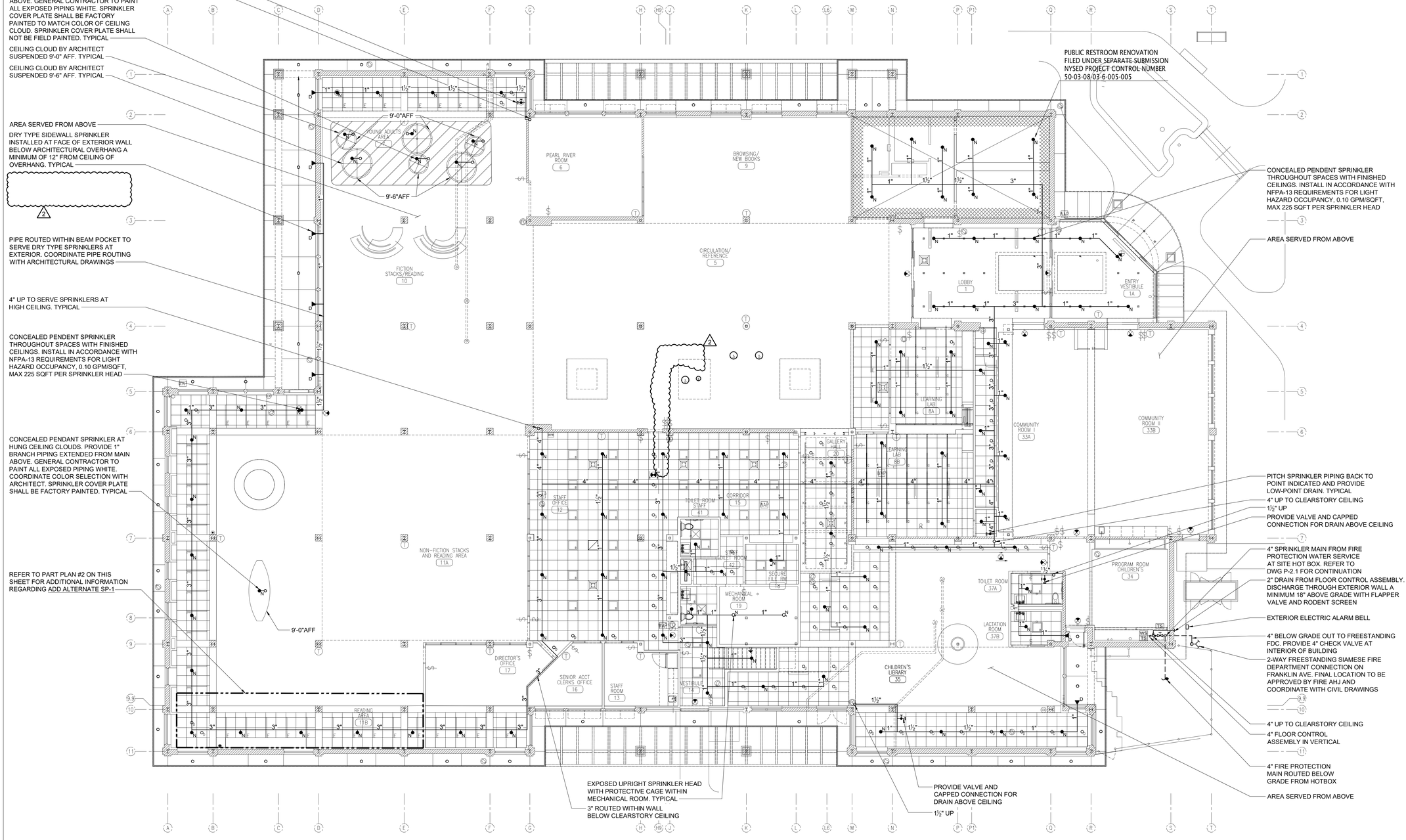
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3 PLUMBING RISER DIAGRAM

PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:

ALTERNATE 3 P-5.1



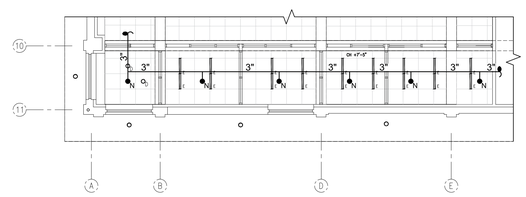
1 SPRINKLER FIRST FLOOR NEW WORK PLAN

SCALE: 1/8" = 1'0"

NORTH

NOTES:

1. ALL EXPOSED SPRINKLER PIPING SHALL BE PAINTED WHITE BY GENERAL CONTRACTOR COMPLETE. COORDINATE COLOR SELECTION WITH ARCHITECT. SPRINKLER COVER PLATES SHALL NOT BE FIELD PAINTED
2. ALL SPRINKLER HEADS SHALL BE CENTERED IN ASSOCIATED CEILING TILE UNLESS OTHERWISE NOTED.



2 SPRINKLER FIRST FLOOR NEW WORK ADD ALTERNATE SP-1 PART PLAN

SCALE: 1/8" = 1'0"

NORTH

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
2	03/07/25	NYSED RESUBMISSION FOR PERMIT AMENDMENT
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

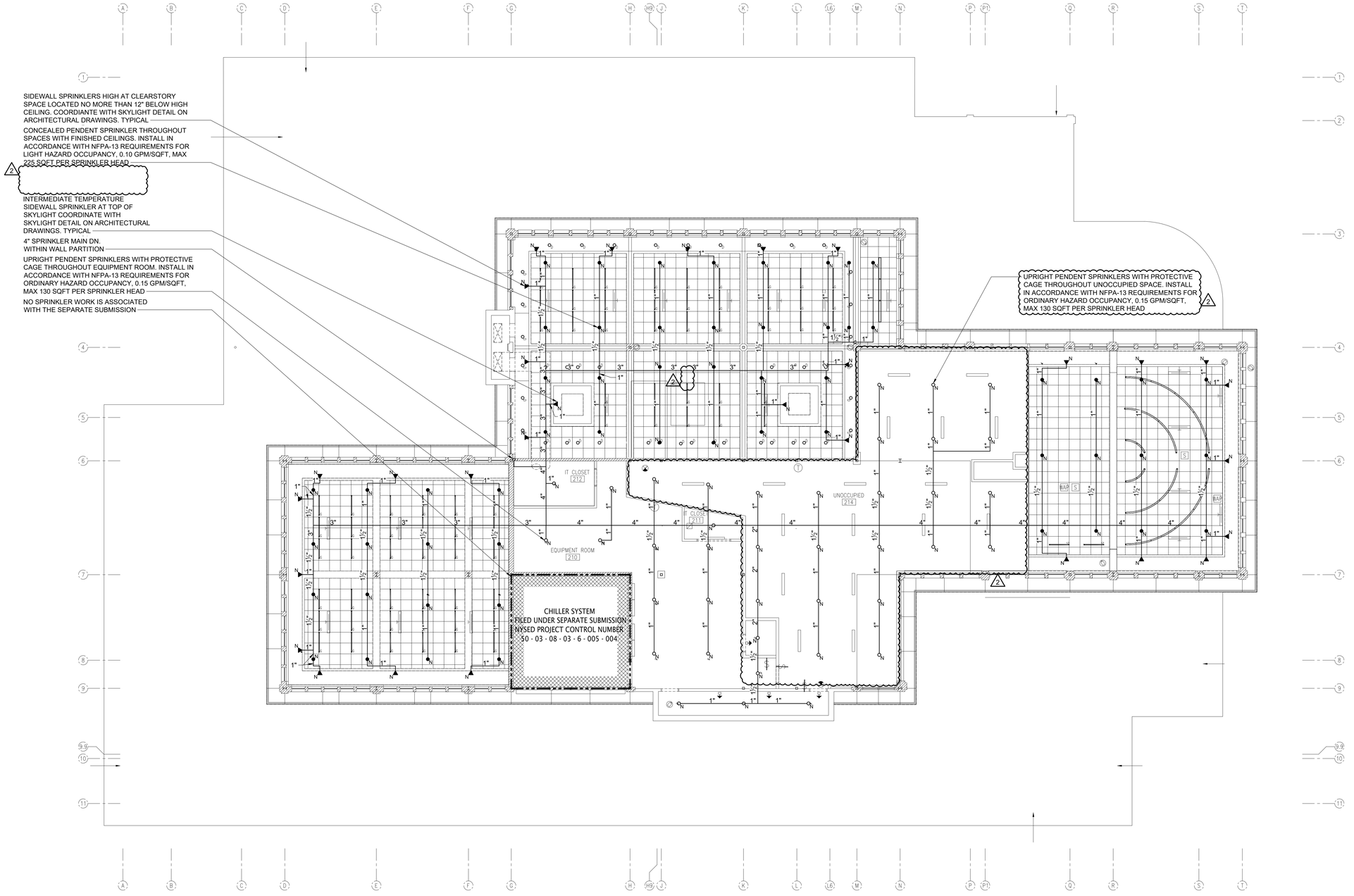
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3 SPRINKLER SECOND FLOOR NEW WORK PLAN

PROJECT NO.:	2578-02	SCALE:	AS NOTED

DRAWING NO.:

ALTERNATE 3 SP-2.1



1 SPRINKLER 2ND FLOOR NEW WORK PLAN

SCALE: 1/8" = 1'0"

NORTH

NOTES:

1. ALL EXPOSED SPRINKLER PIPING SHALL BE PAINTED WHITE BY GENERAL CONTRACTOR COMPLETE. COORDINATE COLOR SELECTION WITH ARCHITECT. SPRINKLER COVER PLATES SHALL NOT BE FIELD PAINTED.
2. ALL SPRINKLER HEADS SHALL BE CENTERED IN ASSOCIATED CEILING TILES UNLESS OTHERWISE NOTED

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
2	03/07/25	NYSED RESUBMISSION FOR PERMIT AMENDMENT
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3 SPRINKLER SECOND FLOOR NEW WORK PLAN

PROJECT NO.: 2578-02 SCALE: AS NOTED

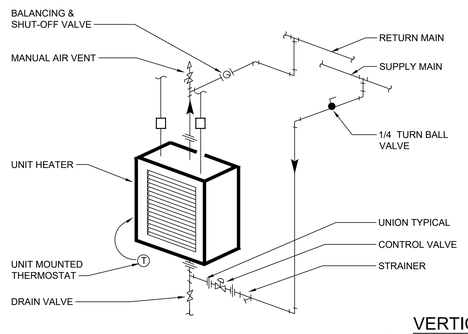
DRAWING NO.:

ALTERNATE 3 SP-2.3

HOT WATER UNIT HEATER SCHEDULE

DESIGNATION	UH-A
MODEL	HSB/HC 63
FAN:	
CFM	1,120
RPM	1,550
MOTOR HP	1/12
VOLTS/Ø/Hz	115/1/60
HOT WATER COIL:	
CAPACITY (MBH)	32
E.A.T./L.A.T. (°F)	60°/97°
E.W.T./L.W.T. (°F)	160°/120°
GPM	4.7

NOTES:
1. UNITS BASED ON MODINE.

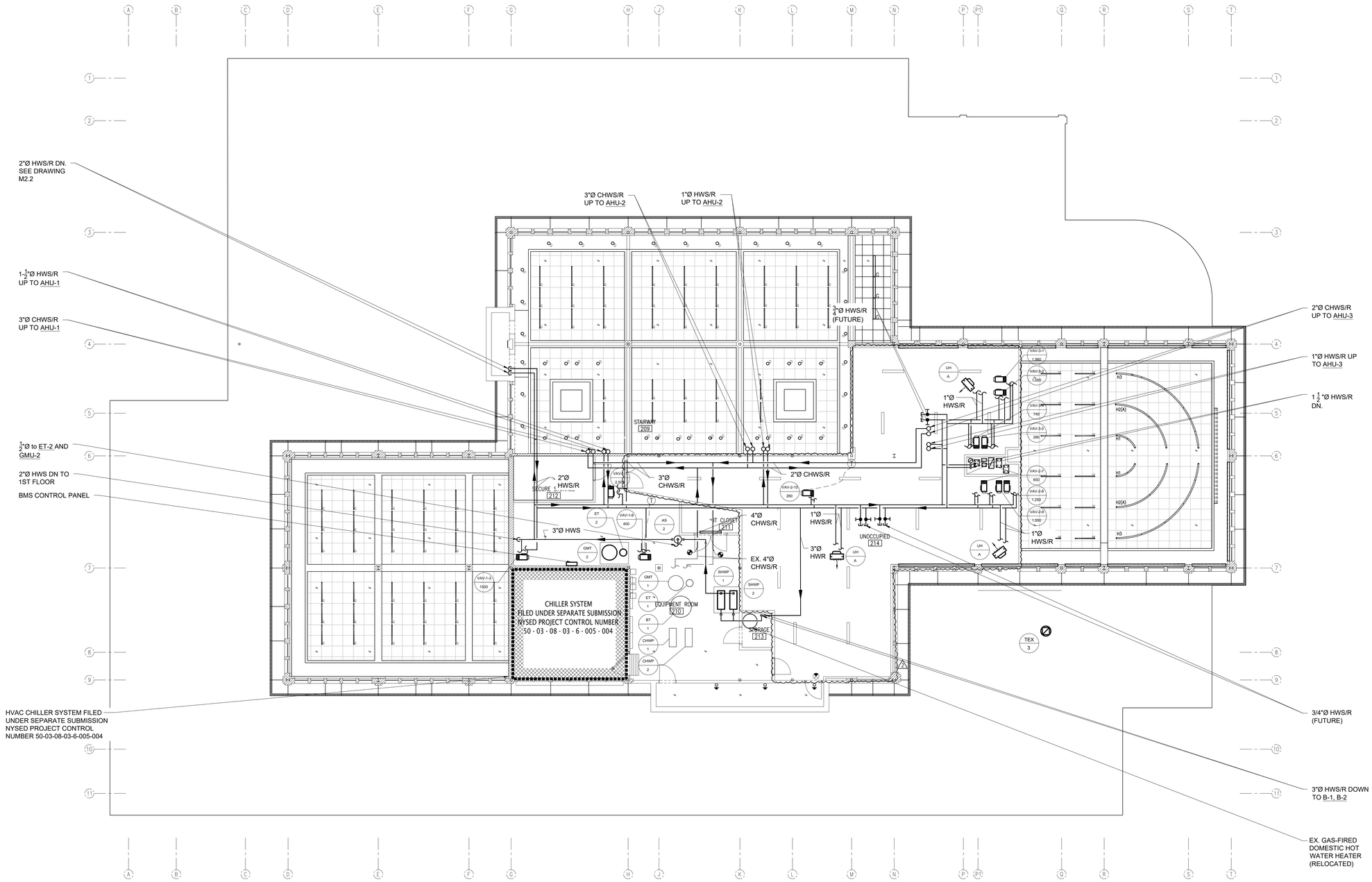


NOTES:
1.) HANG UNIT WITH THREADED RODS CONTAINING SPRING TYPE VIBRATION ISOLATORS FROM BUILDING STRUCTURAL MEMBERS.
2.) SUSPEND UNIT HEATERS SECURELY WITH PROVISIONS FOR EASY REMOVAL AND REPAIR. COORDINATE EXACT LOCATIONS IN FIELD.
3.) INSTALL UNITS SO THAT THEY HANG LEVEL PLUM.
4.) PROVIDE FOR EXPANSION IN SUPPLY PIPING, SWING JOINT IS SUGGESTED PIPING ARRANGEMENT.
5.) PROVIDE UNIONS AND ISOLATION VALVES ADJACENT TO UNIT HEATER IN BOTH THE SUPPLY AND RETURN LATERALS.
6.) USE 45 DEGREE ANGLE RUN OUTS FROM ALL SUPPLY AND RETURN MAINS.
7.) PROVIDE UNIT MOUNTED THERMOSTAT ARRANGED TO OPEN CONTROL VALVE AND CYCLE THE FAN ON A CALL FOR HEAT, FURNISH AN AQUASTAT ARRANGED TO PREVENT FAN START UP IF HWS IS NOT ENABLED AND RUNNING.

1 VERTICAL HOT WATER UNIT HEATER PIPING DETAIL
SCALE: NONE

LEGEND:
(T) = COMBINATION TEMPERATURE/CO_2 SENSOR
(CO2) = REDUNDANT CO_2 SENSOR

SCOPE OF WORK NOTES:
1.) ALL NEW THERMOSTATS LOCATED ON EXISTING COLUMNS SHALL BE INSTALLED WITH CONCEALED WIRING.



1 MECHANICAL SECOND FLOOR PIPING NEW WORK PARTIAL PLAN
SCALE: 1/8" = 1'0"
NORTH

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
2	03/07/25	NYSED RESUBMISSION FOR PERMIT AMENDMENT
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

STATE OF NEW YORK JAMES E. DOLAN LIC. NO. 080391-1 PROFESSIONAL ENGINEER

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY
80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

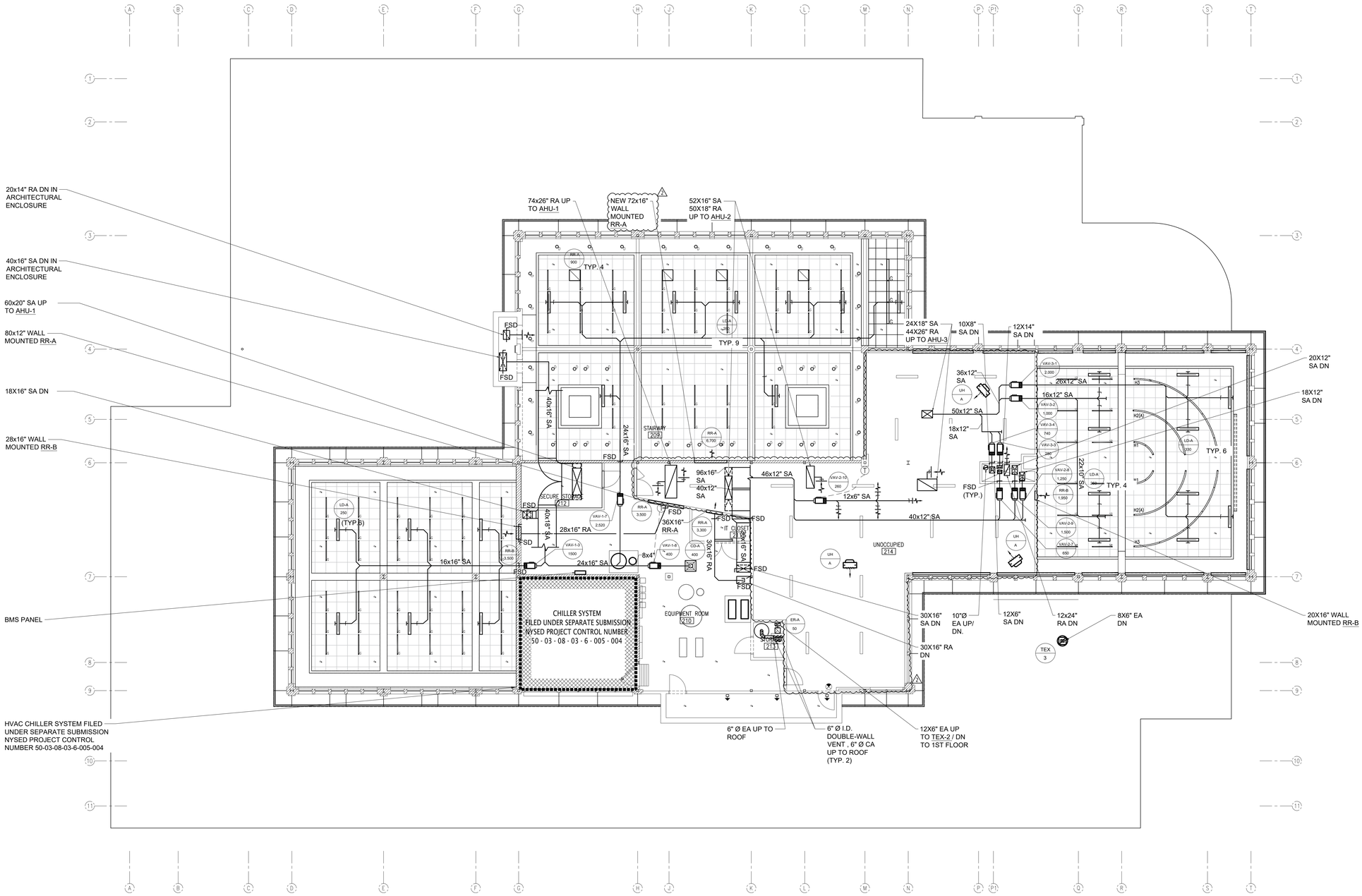
ALTERNATE 3 MECHANICAL SECOND FLOOR PIPING NEW WORK PARTIAL PLAN

PROJECT NO.: 2578-02 | SCALE: AS NOTED

DRAWING NO.:
ALTERNATE 3 M-2.3

LEGEND:
(T) = COMBINATION TEMPERATURE/CO_2 SENSOR
(CA) = REDUNDANT CO_2 SENSOR

SCOPE OF WORK NOTES:
1.) CONTRACTOR TO PROVIDE 1" INTERNAL ACOUSTICAL LINING ON ALL DUCTWORK WITHIN 20' OF AHU.
2.) CONTRACTOR TO PROVIDE FIRE SMOKE DAMPERS WHERE INDICATED.
3.) ALL NEW THERMOSTATS LOCATED ON EXISTING COLUMNS SHALL BE INSTALLED WITH CONCEALED WIRING.



NORTH

1 MECHANICAL SECOND FLOOR DUCTWORK NEW WORK PARTIAL PLAN
SCALE: 1/8" = 1'0"

one eighth inch = one foot 0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
2	03/07/25	NYSED RESUBMISSION FOR PERMIT AMENDMENT
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

STATE OF NEW YORK JAMES J. DUDA 080391 LICENSED PROFESSIONAL ENGINEER

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

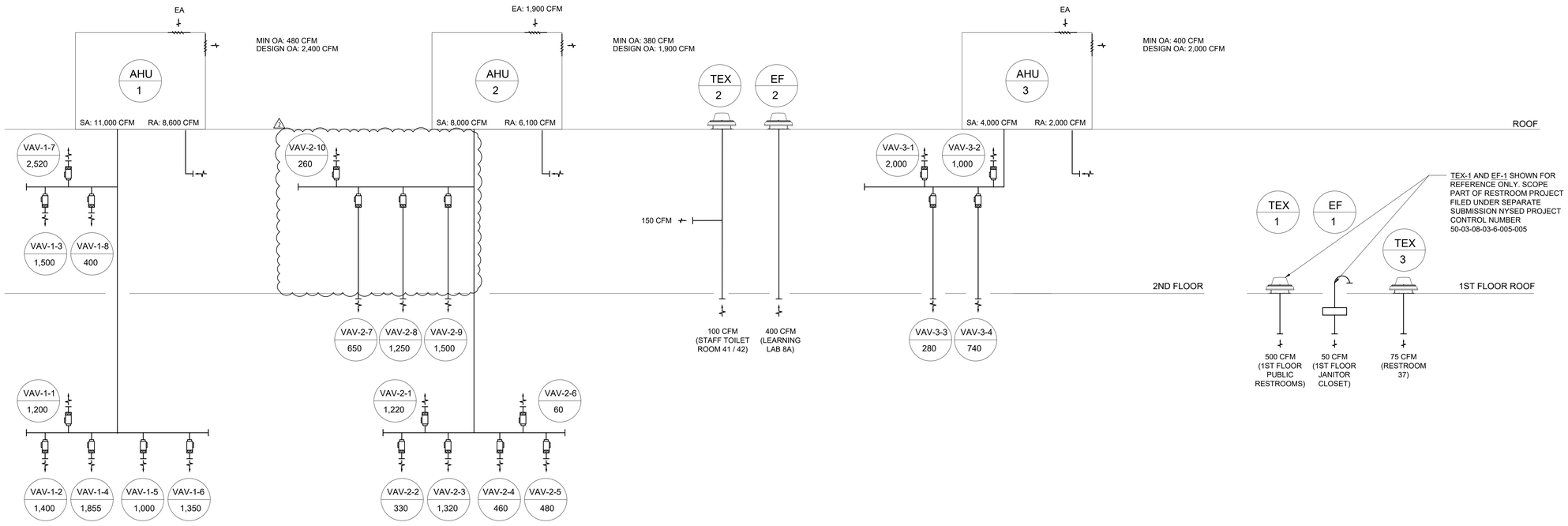
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3 MECHANICAL SECOND FLOOR DUCTWORK NEW WORK PARTIAL PLAN

PROJECT NO.: 2578-02 | SCALE: AS NOTED

DRAWING NO.:
ALTERNATE 3
M-2.6



AIR BALANCE:

TOTAL SA = 23,000 CFM
TOTAL OA = 6,300 CFM
TOTAL EA = 3,350 CFM

1 PARTIAL AIRFLOW RISER DIAGRAM
SCALE: NTS

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
2	03/07/25	NYSED RESUBMISSION FOR PERMIT AMENDMENT
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

STATE OF NEW YORK JAMES G. DOBRY 0809911 LICENSED PROFESSIONAL ENGINEER

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

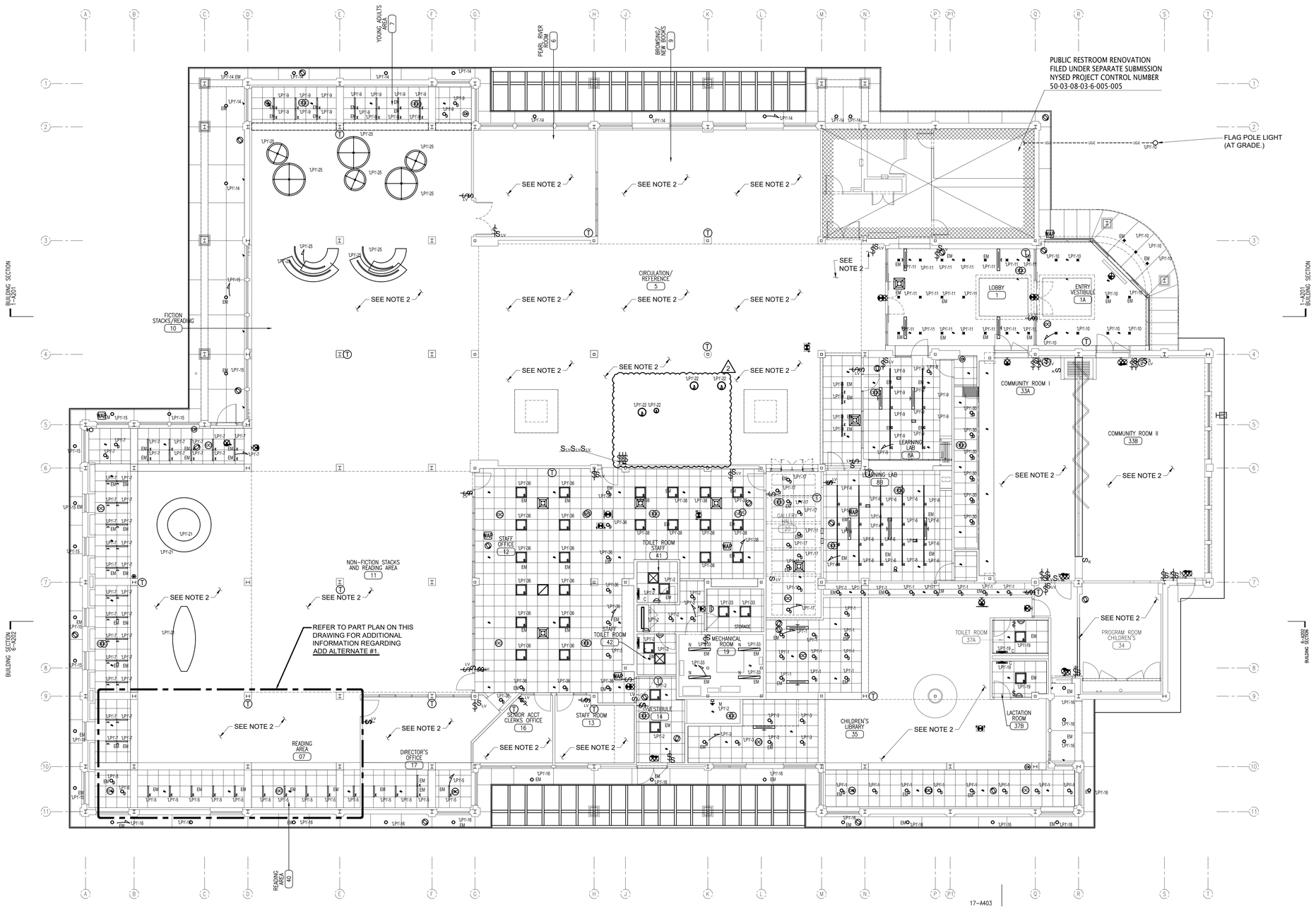
RENOVATION AND ADDITIONS

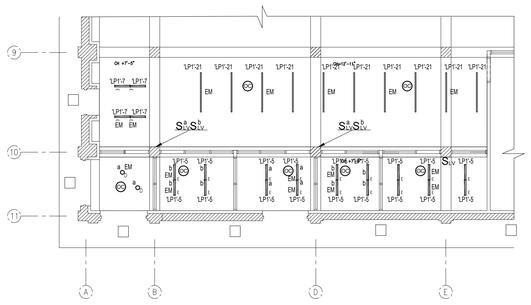
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3
PARTIAL AIR FLOW RISER DIAGRAM

PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:
ALTERNATE 3
M-5.4





2 ELECTRICAL FIRST FLOOR ADD ALTERNATE E-01 PART LIGHTING PLAN
SCALE: 1/8" = 1'-0"
NORTH

1 ELECTRICAL FIRST FLOOR LIGHTING PLAN
SCALE: 1/8" = 1'-0"
NORTH

NOTES:

1. REFER TO DRAWINGS E5.0, E6.0 AND E7.1 FOR ELECTRICAL EQUIPMENT PART PLANS, LIGHT FIXTURE SCHEDULE, PANEL SCHEDULES AND TYPICAL LIGHTING CONTROL DIAGRAMS.
2. REFER TO E2.1 AND E2.2 FOR CLERESTORY & HIGH FIRST FLOOR LIGHTING PLANS FOR LIGHTING AND CONTROLS LAYOUT.

DESIGN INTENT - LIGHTING CONTROL SYSTEM

1. LIGHTING CONTROL SYSTEM IS BASED ON N-LIGHT BY SENSOR SWITCH (FINN O'BRIEN 610.325.2216) OR APPROVED EQUAL.
2. LIGHTING CONTROL COMPONENTS SHOWN ARE FOR GENERAL DESIGN INTENT. ALL COMPONENTS AND WIRING ARE NOT SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY COMPONENTS, WIRING (LINE AND LOW VOLTAGE) AND PROGRAMMING FOR A FULLY OPERATIONAL SYSTEM. PROVIDE ALL POWER SUPPLIES AND ASSOCIATED 120V CIRCUITS REQUIRED TO SUPPORT SYSTEM. CONTRACTOR IS ALSO RESPONSIBLE FOR FULL DELEGATED DESIGN OF SYSTEM BASED ON THE DESIGN INTENT INCLUDED ON THESE DRAWINGS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE LIGHTING CONTROLS WITH LIGHT FIXTURES. ALL LIGHT FIXTURE AND LIGHTING CONTROL SUBMITTALS SHALL BE SUBMITTED AT THE SAME TIME FOR APPROVAL.
4. LIGHT FIXTURES TAGGED WITH "EM" ARE EMERGENCY LIGHT FIXTURES AND SHALL CONTAIN INTEGRAL BATTERY BACKUP. THESE FIXTURES SHALL BE CONTROLLED AS INDICATED ALONG WITH GENERAL LIGHTING. UPON LOSS OF NORMAL POWER, EMERGENCY LIGHT FIXTURES SHALL BE AUTOMATICALLY SHUNTED TO FULL BRIGHT REGARDLESS OF STATE OF CONTROLLING SWITCH. SEE DETAIL FOR ADDITIONAL INFORMATION. PROVIDE EM POWER PACKS AS NEEDED.
5. COMMON AREAS INCLUDING ENTRY VESTIBULE, LOBBY, CORRIDORS, STAIRS: LIGHTING SHALL BE CONTROLLED VIA SENSORS AND POWER-PACKS AND SHALL BE TIME-BASED WITH OCCUPANCY OVERRIDE. DURING NORMAL BUSINESS HOURS, LIGHTING SHALL BE PROGRAMMED TO TURN ON TO A PRESET STANDBY LEVEL OF 50%. WHEN OCCUPANCY IS DETECTED, LIGHTING SHALL INCREASE TO 100% OUTPUT. AFTER NORMAL BUSINESS HOURS, LIGHTING SHALL BE PROGRAMMED TO TURN OFF WHEN THE AREA IS VACANT AND TURN ON TO 100% WHEN OCCUPANCY IS DETECTED. CONTROLS SHALL INCLUDE nLIGHT NETWORKED SYSTEM CONTROLLER (ECLYPSE). ZONES SHALL BE BROKEN OUT PER AREA, PER FLOOR, AND PER FIXTURE TYPE TO ALLOW FOR INDEPENDENT CONTROL AND SCHEDULING OF RESPECTIVE AREAS.
6. STAFF OFFICES, MEETING ROOMS, COMMUNITY ROOMS: LIGHTING SHALL BE CONTROLLED VIA LOW VOLTAGE WALL SWITCHES, SENSORS AND POWER-PACKS AND SHALL OPERATE IN VACANCY MODE (MANUAL ON, AUTO-OFF AFTER 20 MINUTES OF VACANCY WITH MANUAL OVERRIDE AND DIMMING). LIGHTING SHALL BE ZONED BY FIXTURE TYPE. FIXTURES IN DAYLIGHT ZONES TO BE CONTROLLED WITH ADJACENT NON-DAYLIGHT FIXTURES AS APPLICABLE.
7. PRIVATE OFFICES AND OTHER SMALL, ENCLOSED ROOMS: LIGHTING SHALL BE CONTROLLED VIA WALL MOUNTED LINE VOLTAGE VACANCY SENSOR SWITCHES WITH DIMMING.
8. EXTERIOR LIGHTS: EXTERIOR LIGHTS SHALL BE CONTROLLED VIA PHOTOCELL AND nLIGHT NETWORKED SYSTEM CONTROLLER (ECLYPSE). LIGHTING SHALL BE PROGRAMMED TO TURN ON AT DUSK AND TURN OFF AT MIDNIGHT.

one eighth inch = one foot
0 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	03/07/25	NYSED RESUBMISSION FOR PERMIT AMENDMENT
7	01/28/25	SED PERMIT AMENDMENT 01
6	12/20/24	ISSUED FOR NYSED PERMIT
5	11/22/24	CD PROGRESS REVIEW
4	09/26/24	CD PROGRESS REVIEW
3	06/05/24	ISSUED FOR NYSED SUBMISSION
2	05/30/24	PROGRESS REVIEW
1	05/15/24	95% REVIEW SET
	04/30/24	PROGRESS REVIEW
	04/23/24	PROGRESS REVIEW

N

STATE OF NEW YORK — JAMES E. LOTHROP — LICENSED PROFESSIONAL ENGINEER — No. 080391

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

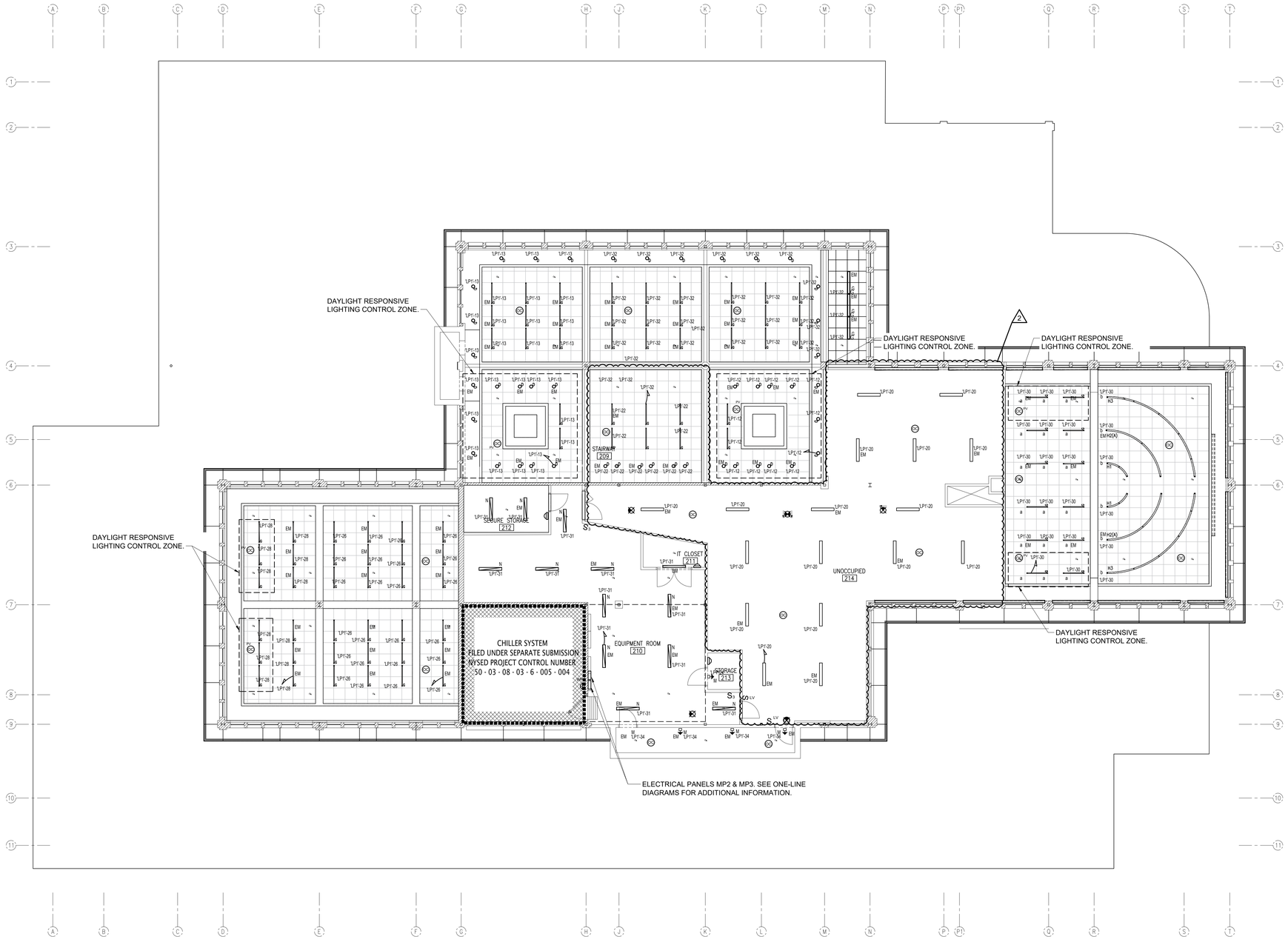
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3 ELECTRICAL FIRST FLOOR PLAN - LIGHTING

PROJECT NO.:	2578-02	SCALE:	AS NOTED

DRAWING NO.:

ALTERNATE 3 E2.0



1 ELECTRICAL SECOND FLOOR LIGHTING PLAN

SCALE: 1/8" = 1'-0"

NORTH

NOTES:
1. SEE E2.0 FOR LIGHTING CONTROL NOTES.

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
2	03/07/25	NYSED RESUBMISSION FOR PERMIT AMENDMENT
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

STATE OF NEW YORK JAMES E. LOTHROP No. 080391-1 LICENSED PROFESSIONAL ENGINEER

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

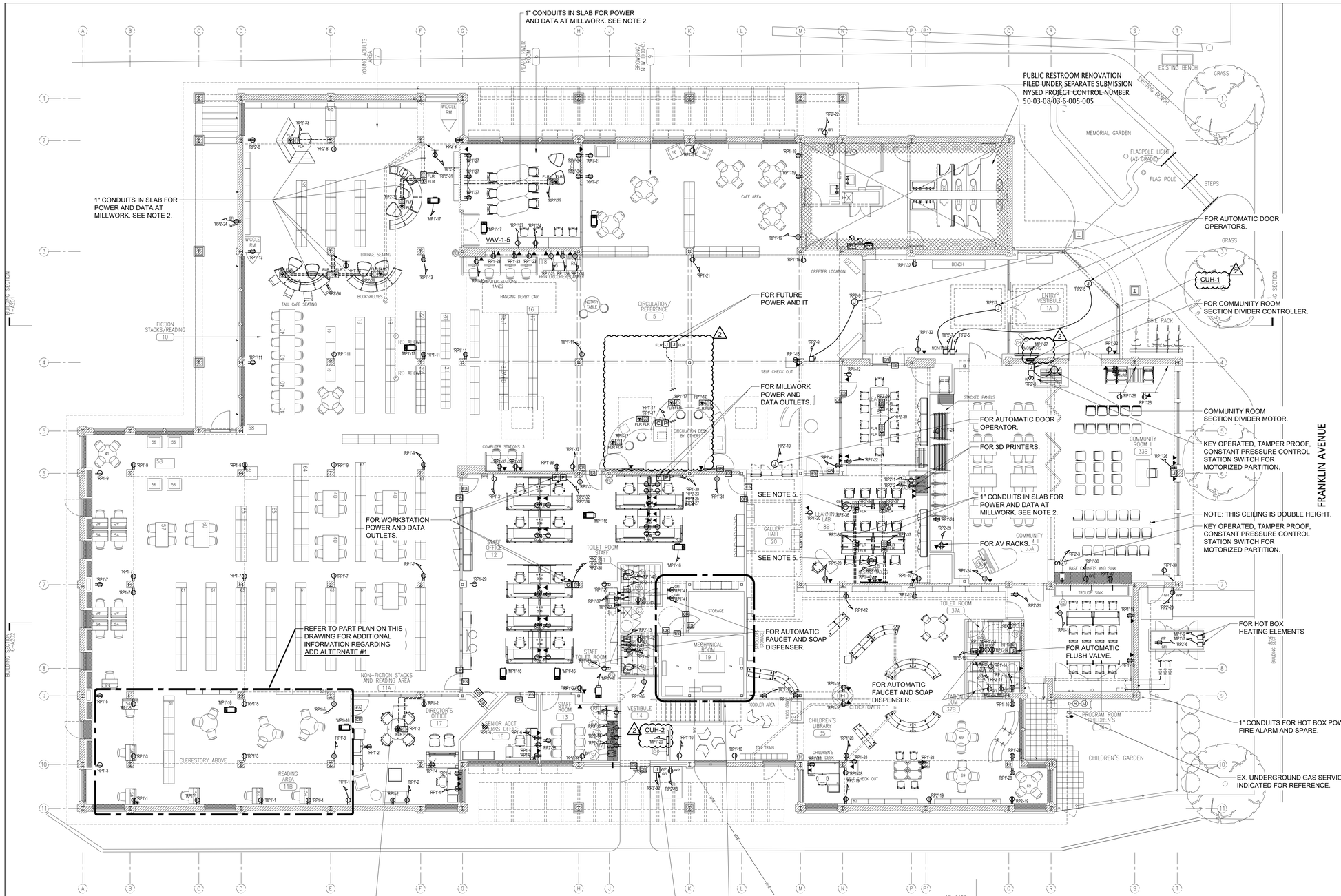
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3 ELECTRICAL SECOND FLOOR PLAN - LIGHTING

PROJECT NO.: 2578-02 | SCALE: AS NOTED

DRAWING NO.:

ALTERNATE 3 E2.2



1 ELECTRICAL FIRST FLOOR POWER PLAN

SCALE: 1/8" = 1'-0"

NORTH

2 ELECTRICAL FIRST FLOOR ADD ALTERNATE E-01 POWER PART PLAN

SCALE: 1/8" = 1'-0"

NORTH

one eighth inch = one foot
0 4 8 16

NOTES:

1. ALL RECEPTACLES SHALL BE TAMPER-RESISTANT.
2. GENERAL CONTRACTOR SHALL PROVIDE SAW CUTTING, CHIPPING AND TRENCHING AS NEEDED FOR CONDUITS IN SLAB, AT LOCATIONS INDICATED ON PLAN. GENERAL CONTRACTOR SHALL PATCH, REPAIR AND RESTORE AREAS AFTER COMPLETION OF WORK.
3. WORK ASSOCIATED WITH VAV-2-1A AND VAV-2-1B INCLUDED IN ADD ALTERNATE E-1. VAV-1-4 AND VAV-2-1 SHOWN FOR REFERENCE ON ADD ALTERNATE PLAN AND ARE PART OF BASE BID.
4. COORDINATE ALL ELECTRICAL REQUIREMENTS FOR ELEVATOR WITH GENERAL CONTRACTOR AND FINAL APPROVED ELECTRICAL SHOP DRAWINGS.
5. PROVIDE THREADED RODS AND/OR UNISTRUT FOR MOUNTING AND SECURING RECEPTACLE CORD REAL RECEPTACLES TO SLAB ABOVE. PROVIDE CEILING MOUNTED DUPLEX RECEPTACLE FOR CORD REEL POWER.

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
2	03/07/25	NYSED RESUBMISSION FOR PERMIT AMENDMENT
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

STATE OF NEW YORK JAMES P. DOYLE 080391 LICENSED PROFESSIONAL ENGINEER

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

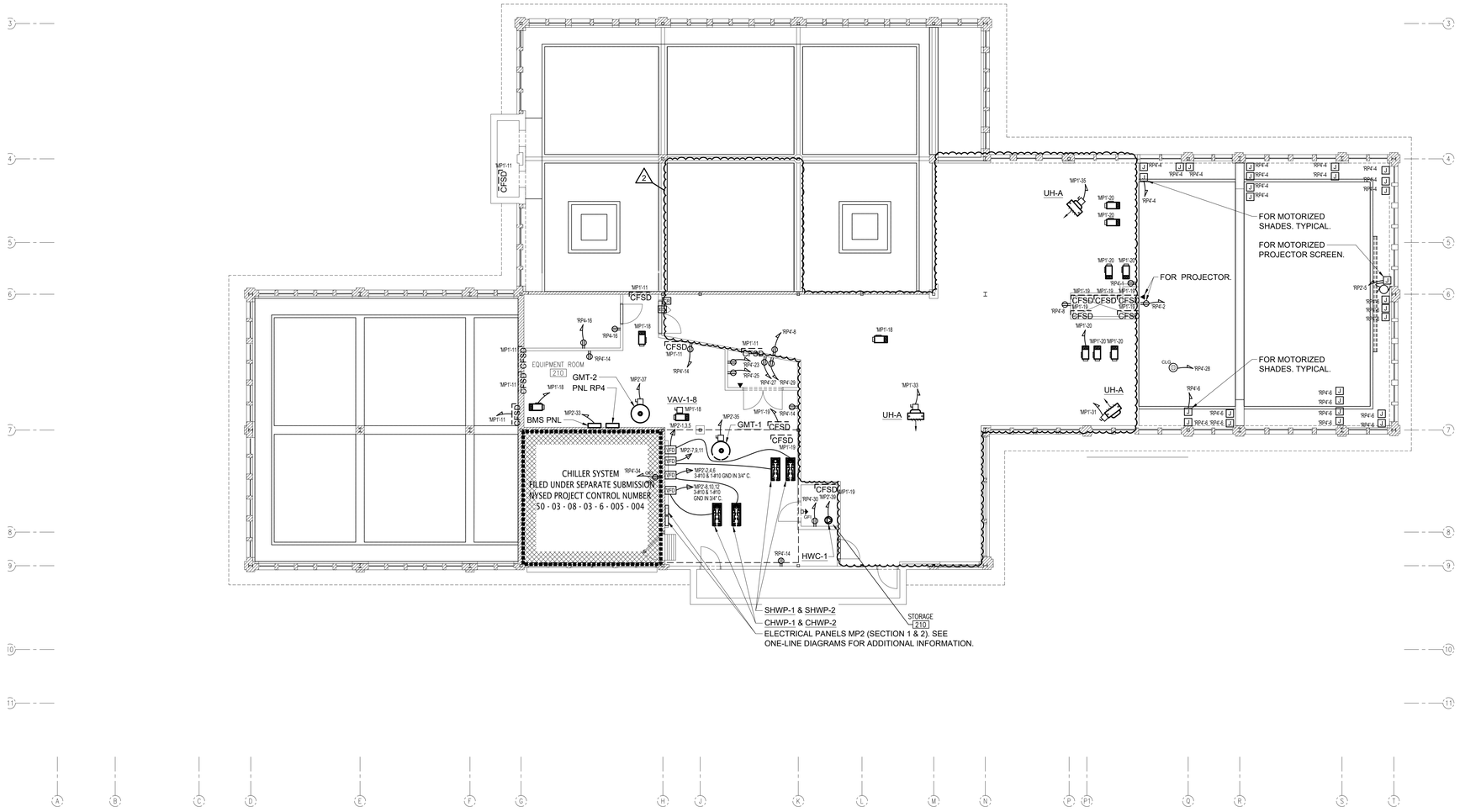
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3 ELECTRICAL FIRST FLOOR PLAN - POWER

PROJECT NO.: 2578-02 | SCALE: AS NOTED

DRAWING NO.:

ALTERNATE 3 E3.0



1 ELECTRICAL SECOND FLOOR POWER PLAN

SCALE: 1/8" = 1'-0"

NORTH

NOTES:

1. MP2 SECTION 1 AND SECTION 2 ARE ABBREVIATED AS MP2 AND MP3 RESPECTIVELY FOR CIRCUITING CLARITY.
2. ALL RECEPTACLES SHALL BE TAMPER-RESISTANT.

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
2	03/07/25	NYSED RESUBMISSION FOR PERMIT AMENDMENT
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

STATE OF NEW YORK JAMES E. HUGHES LICENSED PROFESSIONAL ENGINEER No. 080391

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

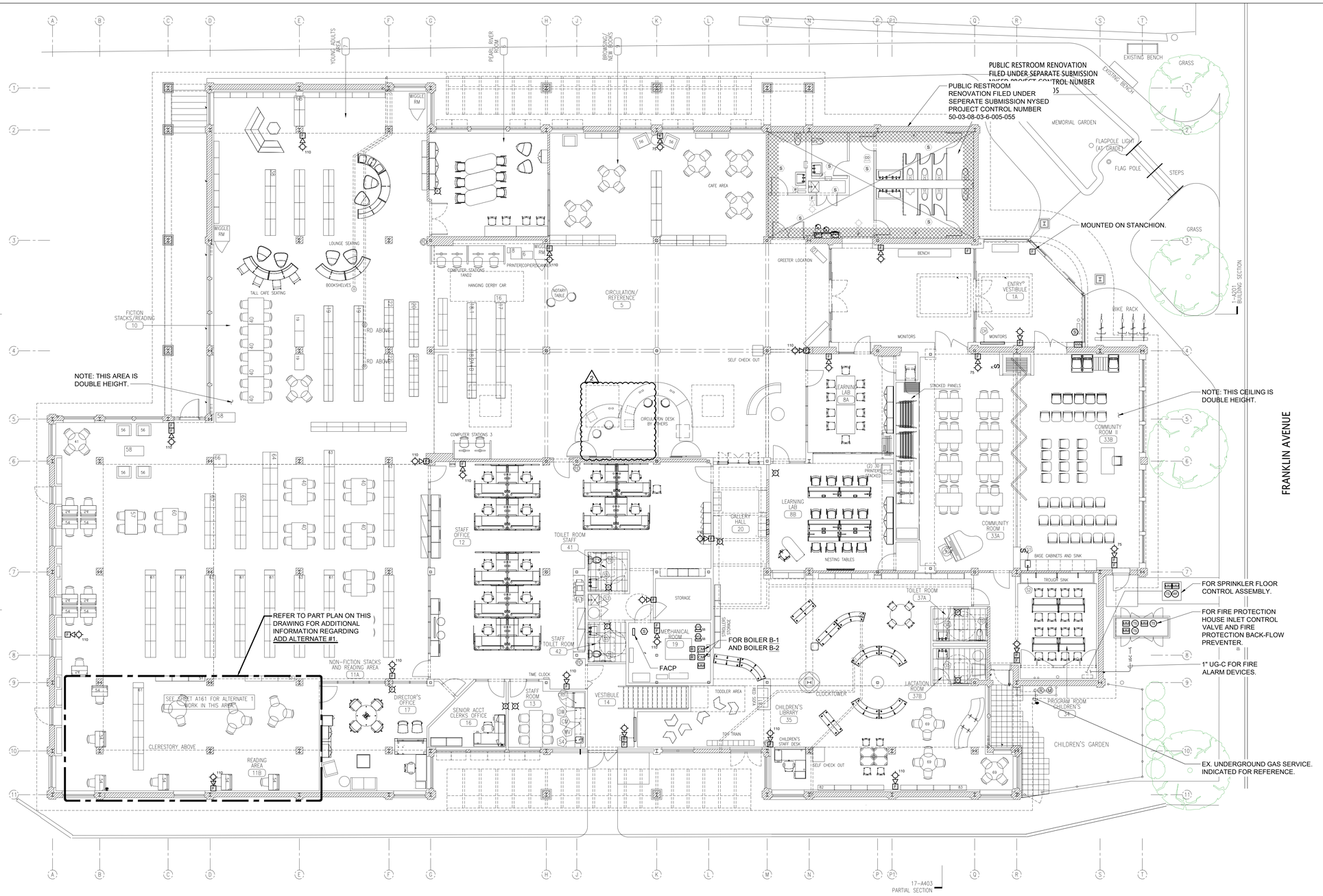
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

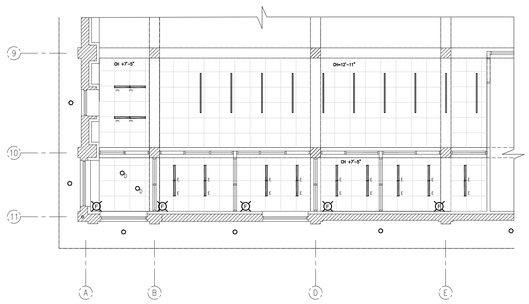
ALTERNATE 3 ELECTRICAL SECOND FLOOR PLAN - POWER

PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:

ALTERNATE 3 E3.1





2 ELECTRICAL FIRST FLOOR ADD ALTERNATE E-01 PART FIRE ALARM PLAN
NORTH
SCALE: 1/8" = 1'-0"

1 ELECTRICAL FIRST FLOOR FIRE ALARM PLAN
NORTH
SCALE: 1/8" = 1'-0"

NOTES:

1. THE FIRST FLOOR, FIRST FLOOR CLERESTORY, AND SECOND FLOOR CEILING ELEVATIONS ARE SHOWN ON THIS REFLECTED CEILING PLAN. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING CEILING ELEVATIONS.
2. REFER TO SYMBOLS LIST ON E0.1, AND RISER DIAGRAM AND NOTES ON DRAWING E7.1 FOR ADDITIONAL INFORMATION.

one eighth inch = one foot 1/8" = 1'-0"

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
2	03/07/25	NYSED RESUBMISSION FOR PERMIT AMENDMENT
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

STATE OF NEW YORK JAMES E. PORTER LICENSED PROFESSIONAL ENGINEER NO. 080391

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

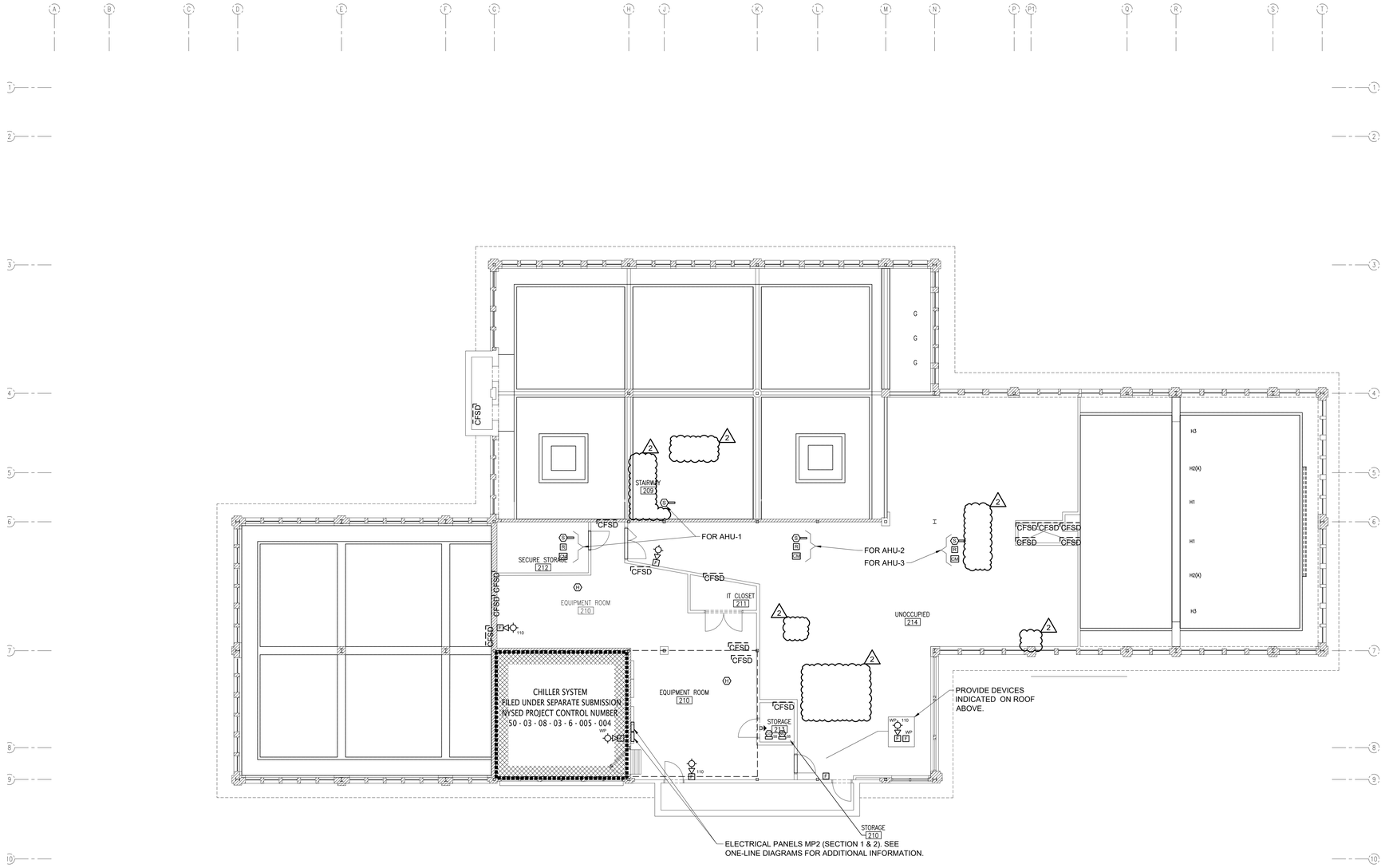
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3 ELECTRICAL FIRST FLOOR PLAN - FIRE ALARM

PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:

ALTERNATE 3 E4.0



1 ELECTRICAL SECOND FLOOR FIRE ALARM PLAN

NORTH

SCALE: 1/8" = 1'-0"

NOTES:

1. REFER TO SYMBOLS LIST ON E0.1, AND RISER DIAGRAM AND NOTES ON E7.1 FOR ADDITIONAL INFORMATION.

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
2	03/07/25	NYSED RESUBMISSION FOR PERMIT AMENDMENT
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

STATE OF NEW YORK JAMES LEGAL PROFESSIONAL ENGINEER NO. 080391-1

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

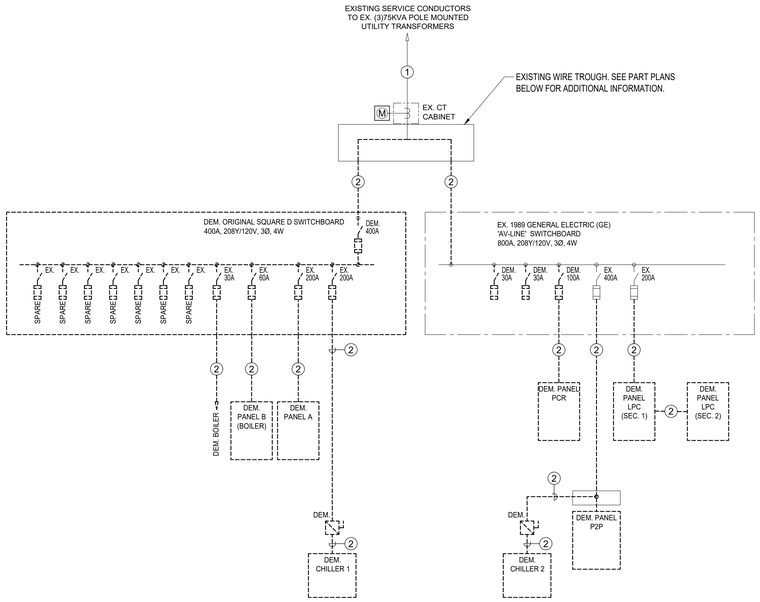
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3 ELECTRICAL SECOND FLOOR PLAN - FIRE ALARM

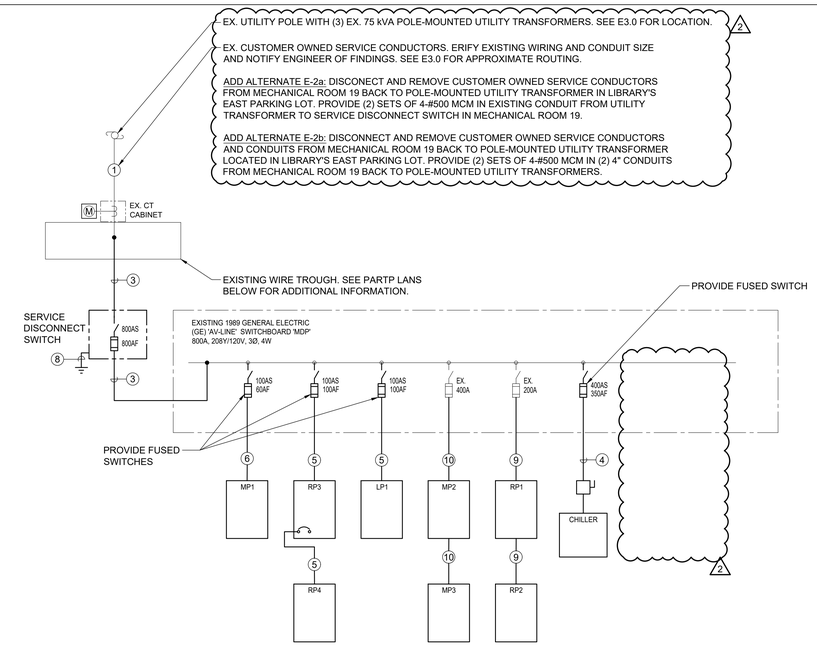
PROJECT NO.: 2578-02 | SCALE: AS NOTED

DRAWING NO.:

ALTERNATE 3 E4.1



1 ELECTRICAL ONE-LINE DIAGRAM - DEMOLITION
NOT TO SCALE



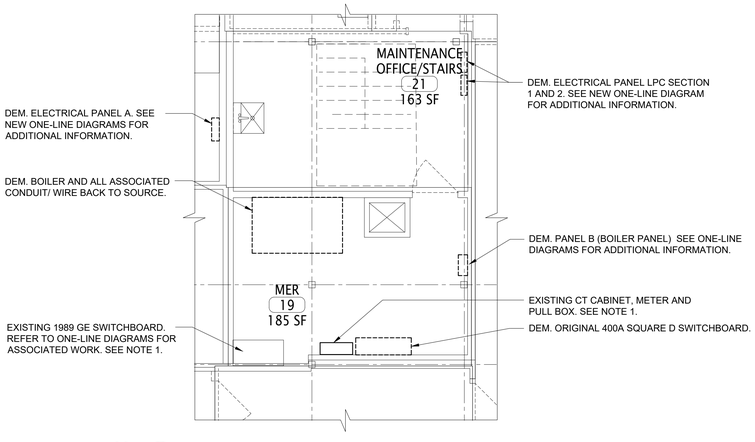
3 ELECTRICAL ONE-LINE DIAGRAM - NEW WORK
NOT TO SCALE

NOTES:

1. ALL SWITCHES AND CIRCUIT BREAKERS ARE 3 POLE U.O.N.

WIRING/CONDUIT LEGEND:

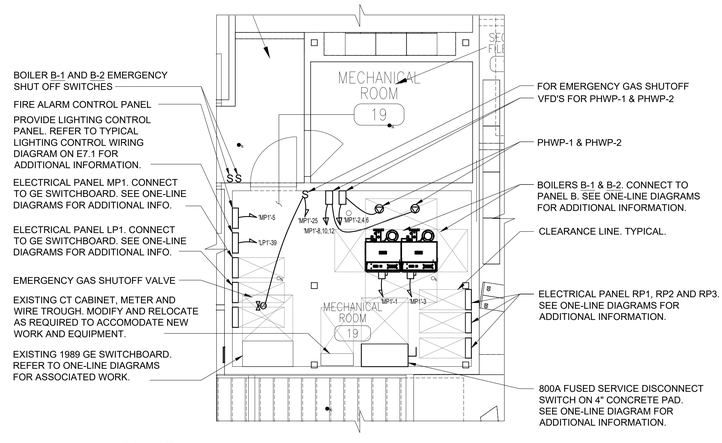
1. EX. CONDUIT AND CONDUCTORS.
2. DEM. CONDUIT AND CONDUCTORS.
3. (2) SETS OF 4-#500MCM & 1-#1/0 GND IN (2) 3-1/2"C
4. 3-#500MCM & 1-#3 GND IN 3-1/2"C
5. 4-#2 & 1-#8 GND IN 1-1/4"C
6. 4-#4 & 1-#10 GND IN 1-1/4"C
7. 2-#12 & 1-#12 GND IN 3/4"C
8. #2/0 GND
9. 4-#3/0 & 1-#6 GND IN 2"C
10. 4-#500MCM & 1-#3 GND IN 3-1/2"C
11. 4-#4 & 1-#8 GND IN 1-1/4"C



2 ELECTRICAL FIRST FLOOR PART PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"
NORTH

NOTES:

1. PROVIDE TEMPORARY SUPPORT FOR ALL EXISTING TO REMAIN EQUIPMENT, DEVICES AND APPURTENANCES INCLUDING CT CABINET, METER, WIRE TROUGH, GE SWITCHBOARD ETC. IN ORDER TO ACCOMMODATE THE REPLACEMENT OF ELECTRICAL ROOM WALLS. RELOCATE, MODIFY AND/OR ADJUST EQUIPMENT AS NEEDED TO ACCOMMODATE WALL REPLACEMENT. SECURE, SUPPORT AND PERMANENTLY MOUNT ALL EQUIPMENT UPON COMPLETION OF WORK.



4 ELECTRICAL FIRST FLOOR PART PLAN - NEW WORK
SCALE: 1/4" = 1'-0"
NORTH

one eighth inch = one foot 1/8" = 1'-0" 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
2	03/07/25	NYSED RESUBMISSION FOR PERMIT AMENDMENT
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

STATE OF NEW YORK JAMES J. OLA LICENSED PROFESSIONAL ENGINEER NO. 080391-1

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3 ELECTRICAL ONE-LINE DIAGRAM AND PART PLANS

PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:

ALTERNATE 3 E5.0

RP4 PANEL SCHEDULE

MAIN RATING: 100A | MAIN C.B.: 100A | KAIC RATING: 42KAIC
VOLTAGE: 208Y/120V | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	SPARE	20	1	1	20	COMMUNITY RM PROJECTOR	2
3	SPARE	20	1	1	20	COMMUNITY RM SHADES	4
5	PROJECTOR MOTOR	20	1	1	20	COMMUNITY RM SHADES	6
7	SPARE	20	1	1	20	(2) UNOCCUPIED SPACE RECEPTS	8
9	SPARE	20	1	1	20	SPARE	10
11	SPARE	20	1	1	20	SPARE	12
13	SPARE	20	1	1	20	(4) EQUIPMENT RM RECEPTS	14
15	SPARE	20	1	1	20	(2) IT CLOSET 212 RECEPTS	16
17	SPARE	20	1	1	20	(1) COMMUNITY RM CLG RECEPT	18
19	SPARE	20	1	1	20	(4) ROOFTOP RECEPTACLES	20
21	SPARE	20	1	1	20	SPARE	22
23	(1) 2ND FL IT CLOSET RECEPTACLE	20	1	1	20	SPARE	24
25	(1) 2ND FL IT CLOSET RECEPTACLE	20	1	1	20	SPARE	26
27	(1) 2ND FL IT CLOSET RECEPTACLE	20	1	1	20	SPARE	28
29	(1) 2ND FL IT CLOSET RECEPTACLE	20	1	1	20	SPARE	30
31	SPARE	20	1	1	20	SPARE	32
33	SPARE	20	1	1	20	(1) CHILLER RECEPTACLE	34
35	SPARE	20	1	1	20	SPARE	36
37	SPARE	20	1	1	20	SPARE	38
39	SPARE	20	1	1	20	SPARE	40
41	SPARE	20	1	1	20	SPARE	42

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; GP - GFP TYPE C.B.;
AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

LOCATION: EQUIPMENT ROOM 210

RP3 PANEL SCHEDULE

MAIN RATING: 100A | MAIN C.B.: 100A | KAIC RATING: 42KAIC
VOLTAGE: 208Y/120V | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	SPARE	20	1	1	20	SPARE	2
3	SPARE	20	1	1	20	SPARE	4
5	SPARE	20	1	1	20	SPARE	6
7	SPARE	20	1	1	20	SPARE	8
9	SPARE	20	1	1	20	SPARE	10
11	SPARE	20	1	1	20	SPARE	12
13	SPARE	20	1	1	20	SPARE	14
15	SPARE	20	1	1	20	SPARE	16
17	SPARE	20	1	1	20	SPARE	18
19	SPARE	20	1	1	20	SPARE	20
21	MEN'S RESTROOM 4 HAND DRYER	20	1	1	20	SPARE	22
23	MEN'S RESTROOM 4 HAND DRYER	20	1	1	20	SPARE	24
25	WOMEN'S RESTRM 3 HAND DRYER	20	1	1	20	SPARE	26
27	WOMEN'S RESTRM 3 HAND DRYER	20	1	1	20	SPARE	28
29	FAMILY RESTRM 2A HAND DRYER	20	1	1	20	SPARE	30
31	FAMILY RESTRM 2C HAND DRYER	20	1	1	20	VESTIBULE INTERCOM	32
33	RESTROOM RENOVATION RECEPTS	20	1	1	20	LEARNING LAB 8B FLOOR RECEPTS	34
35	RESTROOM FLUSH VALVES	20	1	1	20	LEARNING LAB 8B CLG RECEPTS	36
37	SPARE	20	1	1	20	SPARE	38
39	SPARE	20	1	1	20	SPARE	40
41	SPARE	20	1	1	20	SPARE	42

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; GP - GFP TYPE C.B.;
AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

LOCATION: MECHANICAL ROOM 19

MP3 PANEL SCHEDULE

MAIN RATING: 225A | MAIN C.B.: 200A | KAIC RATING: 42KAIC
VOLTAGE: 208Y/120V | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	-	-	-	-	-	-	2
3	-	-	-	-	-	-	4
5	-	-	-	-	-	-	6
7	-	-	-	-	-	-	8
9	-	-	-	-	-	-	10
11	-	-	-	-	-	-	12
13	-	-	-	-	-	-	14
15	-	-	-	-	-	-	16
17	-	-	-	-	-	-	18
19	-	-	-	-	-	-	20
21	-	-	-	-	-	-	22
23	-	-	-	-	-	-	24
25	-	-	-	-	-	-	26
27	-	-	-	-	-	-	28
29	-	-	-	-	-	-	30
31	-	-	-	-	-	-	32
33	-	-	-	-	-	-	34
35	SPARE	20	1	1	20	SPARE	36
37	SPARE	20	1	1	20	SPARE	38
39	SPARE	20	1	1	20	SPARE	40
41	SPARE	20	1	1	20	SPARE	42

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; GP - GFP TYPE C.B.;
AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

LOCATION: EQUIPMENT ROOM 210

RP2 PANEL SCHEDULE

MAIN RATING: 225A | MAIN C.B.: 200A | KAIC RATING: 42KAIC
VOLTAGE: 208Y/120V | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	3D PRINTER	20	1	1	20	3D PRINTER	2
3	COMMUNITY RM SECTION DIVIDER	20	1	1	15	REMOTE ELEVATOR MONITORING	4
5	(1) ENTRY DOOR OPERATOR	20	1	1	20	HOTBOX ENCLOSURE RECEPTACLE	6
7	(1) LOBBY DOOR OPERATOR	20	1	1	20	(4) YOUNG ADULT AREA RECEPTS	8
9	(1) LOBBY DOOR OPERATOR	20	1	1	20	GALLERY HALL AUTOMATIC DOOR	10
11	STAFF RM TOILET 41 HAND DRYER	20	1	1	20	(1) STAFF MICROWAVE RECEPT	12
13	STAFF RM TOILET 42 HAND DRYER	20	1	1	20	(1) STAFF COFFEE MAKER RECEPT	14
15	TOILET RM 37A HAND DRYER	20	1	1	20	(1) STAFF DISHWASHER RECEPT	16
17	LACTATION RM 37B HAND DRYER	20	1	1	20	(1) EAST OUTDOOR RECEPT	18
19	(3) CHILDREN'S LIBRARY RECEPTS	20	1	1	20	(1) NORTH OUTDOOR RECEPT	20
21	(1) PROGRAM RM CORR RECEPT	20	1	1	20	(1) WEST OUTDOOR RECEPT	22
23	STAFF ROOM WORKSTATION	20	1	1	20	(1) SOUTH OUTDOOR RECEPT	24
25	STAFF ROOM WORKSTATION	20	1	1	20	STAFF ROOM WORKSTATION	26
27	STAFF ROOM WORKSTATION	20	1	1	20	STAFF ROOM WORKSTATION	28
29	COMMUNITY ROOM AV RACK	20	1	1	20	STAFF ROOM WORKSTATION	30
31	(2) YOUNG ADULT FLR RECEPTS	20	1	1	20	STAFF ROOM WORKSTATION	32
33	(1) YOUNG ADULT FLR RECEPT	20	1	1	20	STAFF ROOM WORKSTATION	34
35	(1) PEARL RIVER RM FLR RECEPTS	20	1	1	20	(3) YOUNG ADULT FLR RECEPTS	36
37	(4) LEARNING LAB 8B FLR RECEPTS	20	1	1	20	(2) STAFF ROOM 13 RECEPTACLES	38
39	(4) LEARNING LAB 8A FLR RECEPTS	20	1	1	20	ELEVATOR SHUNT TRIP	40
41	(1) CIRCULATION RECEPT	20	1	1	20	(5) ADD ALTERNATE #1 RECEPTS	42

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; GP - GFP TYPE C.B.;
AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

LOCATION: MECHANICAL ROOM 19

LIGHTING FIXTURE SCHEDULE

FIXTURE DESIGNATION	MANUFACTURER	CATALOG NUMBER	LAMPS	VOLTS	MOUNTING	INPUT POWER	REMARKS
A	LUX ILLUMINAIRE	LFXQ-FT-CP-SMB-1000-UNV-S1-NN /FDQ2-QQF-55-WH-WH-FG-830-WET (NORMAL) LFXQ-FT-CP-SMB-1000-UNV-S1-EB /FDR4-STF-55-WH-WH--835-CL (EMERGENCY\)	LED	UNV	RECESSED	10W	SQUARE HOUSING, FLANGE TRIM, CHICAGO PLENUM, STANDARD MOUNTING BARS, 1000 LUMENS, 0-10V DIMMING.
B	SIGNIFY	36-22-D1-ST-L-935-30-Q-1-UNV-S-N (NORMAL) 36-22-D1-ST-L-935-30-Q-B-UNV-S-N (EMERGENCY)	LED	UNV	RECESSED	28.7W	RECESSED 2X2 LIGHT FIXTURE.
C	BLACKJACK LIGHTING	NAN-36V-PC-12T-30K-S4	LED	120V	SURFACE MOUNTED	28W	NANO FAMILY, POLISHED CHROME, 3000K COLOR TEMPERATURE, SHALLOW BACKPLATE, 36" VANITY SIZE.
D	LUX ILLUMINAIRE	LFXR4-FTCP-SMB-1000-UNV-S1 /FDR4-STF-55-WH-WH-835-CL-WET (NORMAL) LFXR4-FTCP-SMB-1000-UNV-S1-EB /FDR4-STF-55-WH-WH-835-CL (EMERGENCY)	LED	UNV	RECESSED	10W	ROUND HOUSING, FLANGE TRIM, CHICAGO PLENUM, STANDARD MOUNTING BARS, 1000 LUMENS, 0-10V DIMMING.
E	LUX	EOS 7.0	TBD	TBD	TBD	TBD	-
G	INTRA LIGHTING	MINUS C/S-S-0-10V UNV-M-840-44-WH-S10C-59-WH	LED	UNV	CEILING SUSPENDED	19W	0-10V DIMMABLE DRIVER. MEDIUM OUTPUT, 80 CRI 4000K COLOR TEMPERATURE, 2150 LUMENS, 44", WHITE STRUCTURAL, 59" WIRE LENGTH, WHITE CANOPY.
H1	INTRA LIGHTING	WAVE C/S 45"- SOP-R44-940-M-0-10V UNV-WH	LED	UNV	CEILING SUSPENDED	14.30W	SATIN OPAL DIFFUSER, 44 5/16" RADIUS, 90 CRI, 4000K COLOR TEMPERATURE, 1550 LUMENS, MEDIUM LIGHT OUTPUT, 0-10V DIMMABLE.
H2	INTRA LIGHTING	WAVE C/S 45"- SOP-R118-940-M-0-10V UNV-WH	LED	UNV	CEILING SUSPENDED	37.10W	SATIN OPAL DIFFUSER, 118 1/8" RADIUS, 90 CRI, 4000K COLOR TEMPERATURE, 4200 LUMENS, MEDIUM LIGHT OUTPUT, 0-10V DIMMABLE.
H3	INTRA LIGHTING	WAVE C/S 45"- SOP-R157-940-M-0-10V UNV-WH	LED	UNV	CEILING SUSPENDED	48.80W	SATIN OPAL DIFFUSER, 157 1/2" RADIUS, 90 CRI, 4000K COLOR TEMPERATURE, 5500 LUMENS, MEDIUM LIGHT OUTPUT, 0-10V DIMMABLE.
J1	LUX ILLUMINAIRE	HLCN 2.0 RD2-18-D-LG-SV-1000-DMF-26-WH-FG-930-UNV-S1-FRC-PRS-WF-150	LED	UNV	CEILING SUSPENDED	10W	2" CYLINDER - 18" X 18", DIRECT, LT GRAY, SILVER, 1000 LUMEN, DEEP MILL GROOVE, NARROW FLOOD 26°, 90 CRI, 3000K COLOR TEMPERATURE.
J2	LUX ILLUMINAIRE	HLCN 2.0 RD2-18-D-LG-SV-1000-DMF-26-WH-FG-930-UNV-S1-FRC-PRS-WF-150	LED	UNV	CEILING SUSPENDED	10W	2" CYLINDER - 18" X 18", DIRECT, LT GRAY, SILVER, 1000 LUMEN, DEEP MILL GROOVE, NARROW FLOOD 26°, 90 CRI, 3000K COLOR TEMPERATURE.
K1	THE SMART LIGHTING COMPANY	HB3014I-4-30K-120-AC-D-7	LED	UNV	CEILING SUSPENDED	7W/FT	7W/FT, 4' FIXTURE LENGTH, 3000K COLOR TEMPERATURE, 0-10V DIMMING.
K2	LUX ILLUMINAIRE	EOS 2.0-R-PER-G1-ASY-750-8-35-9-UNV-S1-W-1R	LED	UNV	CEILING SUSPENDED	56.64W	750 LUMENS/FT, 7.08 W/FT, 8' LENGTH, 15/16" GRID, ASYMMETRIC, 3500K COLOR TEMPERATURE, 90 CRI, 0-10V DIMMABLE FIXTURE.
L	G LIGHTING	GL-2795-24LED40-WH-ALG-1-A	LED	120V	CEILING SUSPENDED	56W	80 CRI, 5141 LUMENS, 4000K COLOR TEMPERATUR.
M1	G LIGHTING	GL-2797-48LED40-WH-ALG-1-A	LED	120V	CEILING SUSPENDED	108W	80 CRI, 10197 LUMENS, 4000K COLOR TEMPERATURE.
M2	G LIGHTING	GL-2799-72LED40-WH-ALG-1-A	LED	120V	CEILING SUSPENDED	154W	80 CRI, 15345 LUMENS, 4000K COLOR TEMPERATURE.
M	BLACKJACK LIGHTING	NAN-14S-PC-12T-30K-DB	LED	120V	SURFACE MOUNT	14W	NANO FAMILY, 14" SCONCE, POLISHED CHROME, 120V AC TRIAC DIMMING ONLY, 3000K COLOR TEMPERATURE, DEEP BACKPLATE.
N	ACUITY BRANDS HOLOPHANE	EMS-L48-8000LM-LPAFL-MD-MVOLT-40K-90CRI	LED	120-277V	SUSPENDED	50.5W	4' LOW PROFILE FIXTURE.
X	THE EXIT LIGHT CO.	NYCELRT-RM-R-X-BB-X	LED	120-277V	RECESS MOUNTED	LESS THAN 4W	EDGE LIT EXIT SIGN. PROVIDE BATTERY BACKUP OPERATION TYPE.

NOTES:

1.) VERIFY ALL FIXTURE CATALOG NUMBERS FOR INTENDED APPLICATIONS WITH REQUIRED ACCESSORIES.
2.) ALL BALLASTS AND DRIVERS IN FIXTURES LOCATED OUTDOORS SHALL BE ZERO DEGREE RATED STARTING TEMPERATURE. REFER TO DRAWINGS FOR LOCATION OF FIXTURES.
3.) LIGHT FIXTURES INDICATED AS EMERGENCY (EM) ON DRAWINGS SHALL CONTAIN AN EMERGENCY BACK-UP BATTERY WHERE POSSIBLE THE SHALL BE INTERNAL TO FIXTURE WITH A VISUAL INDICATING CHARGE LAMP AND TEST SWITCH. IF IT IS NOT POSSIBLE TO INSTALL THE EMERGENCY BATTERY IN THE FIXTURE, THE CONTRACTOR SHALL FURNISH & INSTALL A REMOTE EMERGENCY BATTERY. EACH BATTERY PACK SHALL BE CONNECTED SO THAT THE FIXTURE CAN BE SWITCHED UNDER NORMAL CONDITIONS AND IN THE EVENT OF A POWER OUTAGE, THE FIXTURE SHALL AUTOMATICALLY ILLUMINATE FOR 90 MINUTES WITH A 1200 LUMEN OUTPUT (TOTAL FROM FIXTURE), MINIMUM.
4.) ALL EXIT AND EMERGENCY FIXTURES SHALL BE FED FROM UNSWITCHED LEG OF ASSOCIATED LOCAL LIGHTING CIRCUITS.
5.) IN THE EVENT THE CONTRACTOR CHOOSES TO SUBSTITUTE LIGHT FIXTURES FOR THOSE THAT ARE SPECIFIED ON THE LIGHT FIXTURE SCHEDULE, THE CONTRACTOR SHALL SUBMIT POINT-TO-POINT PHOTOMETRIC CALCULATIONS FOR ALL AREAS WHERE THE SUBSTITUTED FIXTURES ARE INDICATED TO BE INSTALLED ON THE DRAWINGS. THESE CALCULATIONS SHALL BE SUBMITTED ALONG WITH THE LIGHT FIXTURE SHOP DRAWINGS.
6.) REFER TO ARCHITECTURAL DRAWINGS FOR PENDANT HOUSING HEIGHTS.

MP2 PANEL SCHEDULE

MAIN RATING: 400A | MAIN C.B.: 400A | KAIC RATING: 42KAIC
VOLTAGE: 208Y/120V | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1							2
3	SHWP-1	20	3	3	45	CHWP-1	4
5							6
7							8
9	SHWP-2	20	3	3	45	CHWP-2	10
11							12
13							14
15	AHU-1 RETURN/BOOSTER FAN	35	3	3	50	AHU-1 SUPPLY FAN	16
17							18
19							20
21	AHU-2 RETURN/BOOSTER FAN	35	3	3	35	AHU-2 SUPPLY FAN	22
23							24
25							26
27	AHU-3 RETURN/BOOSTER FAN	25	3	3	25	AHU-3 SUPPLY FAN	28
29							30
31	TEX-2	20	1	-	-	-	32
33	BMS CONTROL PANEL	20	1	-	-	-	34
35	GLYCOL MAKEUP TANK GMT-1	20	1	1	20	SPARE	36
37	GLYCOL MAKEUP TANK GMT-2	20	1				38
39	HWC-1	20	1	3	15	AHU-2 ENERGY WHEEL	40
41	SPARE	20	1				42

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; GP - GFP TYPE C.B.;
AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

LOCATION: EQUIPMENT ROOM 210

RP1 PANEL SCHEDULE

MAIN RATING: 225A | MAIN C.B.: 200A | KAIC RATING: 42KAIC
VOLTAGE: 208Y/120V | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	(5) NON FICTION READING RECEPT	20	1	1	20	(5) DIRECTOR'S OFFICE RECEPTS	2
3	(4) NON FICTION READING RECEPT	20	1	1	20	(4) DIRECTOR'S OFFICE RECEPTS	4
5	(5) NON FICTION READING RECEPT	20	1	1	20	(5) SENIOR ACCT OFFICE RECEPTS	6
7	(6) NON FICTION READING RECEPT	20	1	1	20	(1) STAFF ROOM FRIDGE RECEPT	8
9	(5) NON FICTION READING RECEPT	20	1	1	20	(3) CHILDREN'S LIBRARY RECEPTS	10
11	(5) FICTION READING RECEPT	20	1	1	20	(2) CHILDREN'S PROGRAM RECEPT	12
13	(3) FICTION READING RECEPT	20	1	1	20	(8) TOILET & LACTATION RECEPTS	14
15	(5) CIRCULATION RECEPTS	20	1	1	20	(5) CHILDREN'S LIBRARY RECEPT	16
17	(5) CIRCULATION RECEPTACLES	20	1	1	20	(3) CHILDREN'S PROGRAM RECEPT	18
19	(4) BROWSING / NEW BOOK RECEPT	20	1	1	20	(2) LEARNING LAB 8B RECEPT	20
21	(4) BROWSING / NEW BOOK RECEPT	20	1	1	20	(2) LEARNING LAB 8A RECEPT	22
23	(4) CIRCULATION RECEPTACLES	20	1	1	20	(3) COMMUNITY ROOM I RECEPTS	24
25	(1) CIRCULATION RECEPT	20	1	1	20	(4) COMMUNITY ROOM II RECEPTS	26
27	(4) PEARL RIVER RM RECEPTS	20	1	1	20	(6) CHILDRENS LIBRARY RECEPT	28
29	(4) STAFF OFFICE RECEPTACLES	20	1	1	20	(3) COMMUNITY ROOM II RECEPTS	30
31	(3) STAFF OFFICE RECEPTACLES	20	1	1	20	(3) LOBBY RECEPTACLES	32
33	(4) CIRCULATION RECEPTACLES	20	1	1	20	(3) PEARL RIVER RM RECEPT	34
35	(1) VESTIBULE RECEPT	20	1	1	20	(1) CIRCULATION RECEPT	36
37	(2) STAFF OFFICE RECEPTACLES	20	1	1	20	(1) CIRCULATION RECEPT	38
39	(4) STAFF TOILET RM 41 RECEPTS	20	1	1	20	(4) STAFF TOILET RM 42 RECEPTS	42
41	SPARE	20	1	1	20	SPARE	42

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; GP - GFP TYPE C.B.;
AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

LOCATION: MECHANICAL ROOM 19

MP1 PANEL SCHEDULE

MAIN RATING: 100A | MAIN C.B.: 60A | KAIC RATING: 42KAIC
VOLTAGE: 208Y/120V | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	BOILER 1	20	1				2
3	BOILER 2	20	1	3	20	PHWP-1	4
5	FIRE ALARM CONTROL PANEL	20LK	1				6
7	HOT BOX HEATING ELEMENT	20	1				8
9	HOT BOX HEATING ELEMENT	20	1	3	20	PHWP-2	10
11	SECOND FL CFSDS	20	1				12
13	ELEVATOR PIT RECEPTACLE	20	1	1	20	TX-3	14
15	ELEVATOR SUMP PUMP	20	1	1	20	FIRST FLOOR VAV'S	16
17	FIRST FLOOR VAV'S	20	1	1	20	SECOND FLOOR VAV'S	18
19	SECOND FL CFSDS	20	1	1	20	SECOND FLOOR VAV'S	20
21	EF-2	-	-	1	20	SPARE	22
23	EF-1 AND TEX-1	20	1	-	-	-	24
25	EMERGENCY GAS SHUTOFF VALVE	20	1	-	-	-	26
27	CUH-1	20	1	-	-	-	28
29	CUH-2	20	1	-	-	-	30
31	UH-A	20	1	-	-	-	32
33	UH-A	20	1	-	-	-	34
35	UH-A	20	1	1	20	SPARE	36
37	-	-	-	1	20	SPARE	38
39	-	-	-	1	20	SPARE	40
41	SPARE	20	1	1	20	SPARE	42

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; GP - GFP TYPE C.B.;
AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

LOCATION: MECHANICAL ROOM 19

LP1 PANEL SCHEDULE

MAIN RATING: 125A | MAIN C.B.: 100A | KAIC RATING: 42KAIC
VOLTAGE: 208Y/120V | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	CHILDREN'S LIBRARY LIGHTING	20	1	1	20	EAST VESTIBULE LIGHTING	2
3	CHILDREN'S LIBRARY LIGHTING	20	1	1	20	DIRECTOR'S OFFICE LIGHTING	4
5	NON FICTION READING LIGHTING	20	1	1	20	LEARNING LAB 8B LIGHTING	6
7	FICTION READING LIGHTING	20	1	1	20	FICTION READING LIGHTING	8
9	LEARNING LAB 8A LIGHTING	20	1	1	20	ENTRY VESTIBULE LIGHTING	10
11	LOBBY LIGHTING	20	1	1	20	CIRCULATION / REFERENCE	12
13	FICTION READING LIGHTING	20	1	1	20	WEST EXTERIOR LIGHTING	14
15	SOUTH EXTERIOR LIGHTING	20	1	1	20	EAST EXTERIOR LIGHTING	16
17	GALLERY HALL LIGHTING	20	1	1	20	2ND FL MEETING ROOM LIGHTING	18
19	CHILDREN'S PROGRAM LIGHTING	20	1	1	20	2ND FL STAFF ROOM LIGHTING	20
21	NON FICTION CLERESTORY LTING	20	1	1	20	GALLERY HALL 2 LIGHTING	22
23	SENIOR ACCT OFFICE LIGHTING	20	1	1	20	2ND FL BATHROOM LIGHTING	24
25	YOUNG ADULT LIGHTING	20	1	1	20	READING AREA LIGHTING	26
27	PEARL RIVER PROGRAM RM LIGHT	20	1	1	20	READING AREA LIGHTING	28
29	ELEVATOR CAB LIGHTING	15	1	1	20	COMMUNITY ROOM LIGHTING	30
31	2ND FLOOR EQUIPMENT RM LIGHT	20	1	1	20	CIRCULATION LIGHTING	32
33	MECHANICAL ROOM LIGHTING	20	1	1	20	2ND FL HIGH CLG LIGHTING	34
35	BATHROOM RENOVATION LIGHTING	20	1	1	20	1ST FL STAFF OFFICE LIGHTING	36
37	BATHROOM RENOVATION LIGHTING	20	1	1	20	1ST FL STAFF OFFICE LIGHTING	38
39	LIGHTING CONTROL PANEL	20	1	1	20	BROWSING / NEW BOOK LIGHTING	40
41	SPARE	20	1	1	20	PEARL RIVER PROGRAM RM LIGHT	42

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; GP - GFP TYPE C.B.;
AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

LOCATION: MECHANICAL ROOM 19

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
2	03/07/25	NYSED RESUBMISSION FOR PERMIT AMENDMENT
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

STATE OF NEW YORK — LICENSED PROFESSIONAL ENGINEER — No. 0809911

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3 - ELECTRICAL PANEL SCHEDULES AND LIGHTING FIXTURE SCHEDULE

PROJECT NO.: 2578-02 | SCALE: AS NOTED

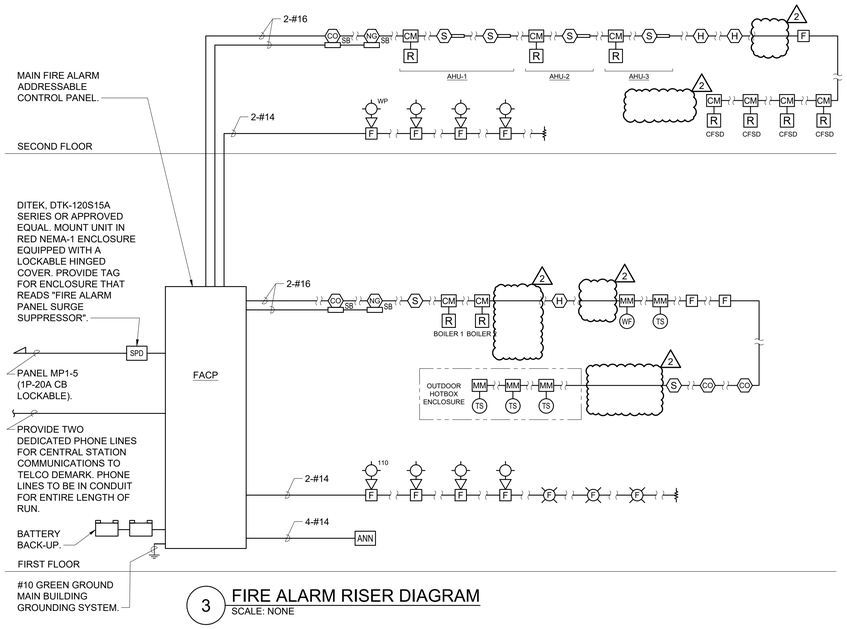
DRAWING NO.:

ALTERNATE 3 - E6.0

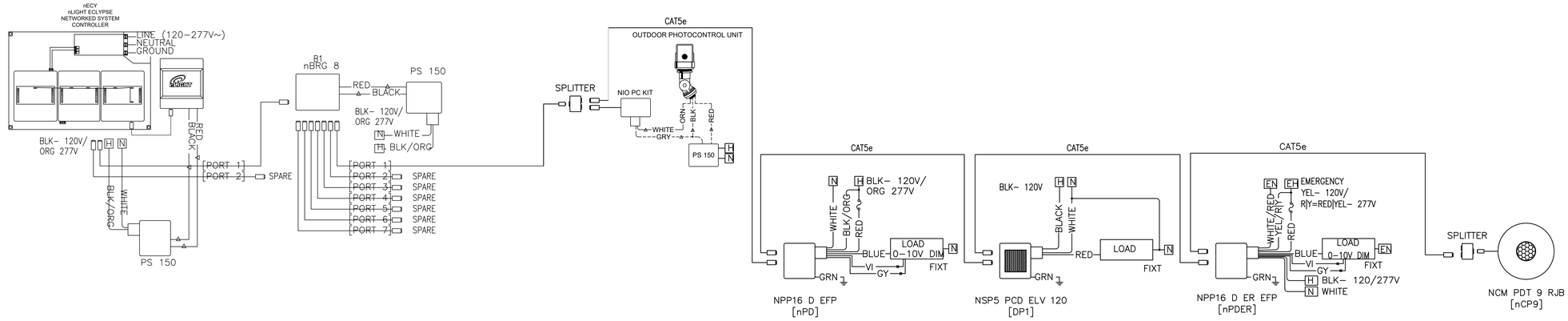
one eighth inch = one foot 16

RISER NOTES:

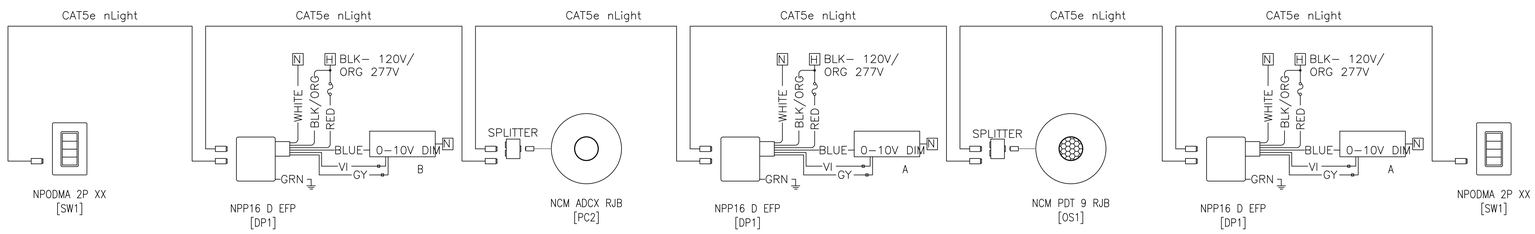
1. THIS IS NOT A POINT-TO-POINT WIRING DIAGRAM. PRIOR TO STARTING ANY WORK, A WORKING POINT-TO-POINT WIRING DIAGRAM SHALL BE OBTAINED FROM FIRE ALARM SYSTEM VENDOR AND PERFORM ALL WORK IN ACCORDANCE WITH THAT DIAGRAM.
2. ELECTRICAL CONTRACTOR SHALL INCLUDE IN THE BASE BID ALL 120V CIRCUITS THAT ARE REQUIRED TO SUPPORT THE OPERATION OF THE FIRE ALARM SYSTEM. COORDINATE REQUIREMENTS WITH THE FIRE ALARM VENDOR.
3. QUANTITY OF STROBE BOOSTER POWER SUPPLY PANELS AND ASSOCIATED 120V CIRCUITS SHALL BE COORDINATED WITH SELECTED FIRE ALARM SYSTEM MANUFACTURER AND/OR FIRE ALARM VENDOR.
4. PROVIDE ALL NECESSARY WIRING, MODULES, COMPONENTS, EXTENDER CABINET, AND PROGRAMMING REQUIRED TO CONNECT NEW DEVICES TO EXISTING SYSTEM.
5. PROVIDE ALL NECESSARY HARDWARE AND PROGRAMMING TO PROVIDE THE CLIENT WITH 20% SPARE CAPACITY ON ALL INITIATING AND INDICATING CIRCUITS.
6. PROVIDE AS PART OF THE BASE CONTRACT ALL LABOR AND MATERIALS TO INSTALL FIFTEEN (15) ADDITIONAL FIRE ALARM DEVICES DURING CONSTRUCTION. THE ADDITIONAL FIRE ALARM DEVICES CAN BE BUT NOT LIMITED TO SMOKE DETECTOR, HEAT DETECTOR, DOOR HOLDER, DUCT DETECTOR, FAN SHUTDOWN, TAMPER SWITCHES, FLOW SWITCHES, ETC. INCLUDE ALL LABOR AND MATERIALS INCLUDING WIRE, BOXES, CONDUIT, TERMINATIONS, HARDWARE, SOFTWARE, PROGRAMMING AND TESTING.
7. DUCT SMOKE DETECTORS SHALL BE FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR AND INSTALLED IN DUCT WORK BY MECHANICAL CONTRACTOR.
8. CARBON MONOXIDE DETECTORS SHALL BE SUPERVISED BY FIRE ALARM SYSTEM AND SHALL NOT SEND AN ALARM SIGNAL TO THE SYSTEM. THESE DETECTORS SHALL BE MOUNTED ON SOUNDER BASES AND STROBES WHICH PROVIDE LOCAL ALARM ONLY IN A TEMPORAL 4 PATTERN OR CONSTANT TONE. (2)
9. NATURAL GAS DETECTORS SHALL BE SUPERVISED BY FIRE ALARM SYSTEM AND SHALL NOT SEND AN ALARM SIGNAL TO THE SYSTEM. THESE ALARMS SHALL CONTAIN INTERNAL HORNS AND STROBES TO PROVIDE LOCAL ALARM ONLY.
10. ALL VISUAL ALARM DEVICES SHALL BE ADA COMPLIANT.
11. ELECTRICAL CONTRACTOR TO PROVIDE A RELAY FOR EACH SMOKE DAMPER/COMBINATION FIRE SMOKE DAMPER. RELAYS ARE NOT SHOWN ON PLANS FOR CLARITY.
12. DOOR HOLDERS SHALL BE FURNISHED AND WIRED BY THE ELECTRICAL CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR.
13. MAINTAIN A 19" TO 24" CLEARANCE AROUND THE CENTERLINE OF THE BEAM OF BEAM TYPE SMOKE DETECTORS.
14. PROVIDE REMOTE LED INDICATORS FOR ALL CONCEALED FIRE ALARM DEVICES SUCH AS DUCT SMOKE DETECTORS, ABOVE CEILING SMOKE DETECTORS, ELEVATOR SHAFT DETECTORS, MONITORING AND CONTROL MODULES, ETC. LED INDICATORS FOR DEVICES MOUNTED ABOVE DROP CEILINGS SHALL BE MOUNTED BELOW ASSOCIATED DEVICES. LABEL INDICATORS TO INDICATE DEVICE SERVED.
15. CONTRACTOR TO PROVIDE SMOKE DETECTOR(S) IN ALL LOCATIONS CONTAINING FIRE ALARM CONTROL PANELS, DATA GATHERING PANELS, BOOSTER POWER SUPPLIES, OR ANY OTHER FIRE ALARM SYSTEM PANEL, WHETHER SHOWN ON PLANS OR NOT.
16. CONTROL MODULES USED TO INITIATE EMERGENCY CONTROL FUNCTIONS THAT DO NOT FAIL IN A SAFE POSITION SHALL BE LOCATED WITHIN 3 FEET OF THE COMPONENT CONTROLLING THE EMERGENCY CONTROL FUNCTION PER NFPA 72. THIS INCLUDES, BUT IS NOT LIMITED TO, CONTROL MODULES CONNECTED TO FAN MOTOR CONTROLLERS, ELEVATOR CONTROLLERS, ETC.
17. BATTERY BACKUP FOR FACP SHALL PROVIDE A MINIMUM OF 24 HOURS OF STAND BY POWER FOLLOWED BY 45 MINUTES OF ALARM.
18. ALL FIRE ALARM PANELS, JUNCTION BOX COVERS, ETC SHALL BE PAINTED "FIRE DEPARTMENT RED".
19. MAKE CONNECTIONS TO SIDES OR BOTTOM OF FACP ONLY.



3 FIRE ALARM RISER DIAGRAM
SCALE: NONE



2 TYPICAL NLIGHT CONTROL SYSTEM WIRING DIAGRAM
SCALE: NONE



1 TYPICAL LIGHTING CONTROL WIRING DIAGRAM
SCALE: NONE

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
9	03/07/25	NYSED RESUBMISSION FOR PERMIT AMENDMENT
8	01/28/25	SED PERMIT AMENDMENT 01
7	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

STATE OF NEW YORK JAMES P. [illegible] LICENSED PROFESSIONAL ENGINEER No. 0803911

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

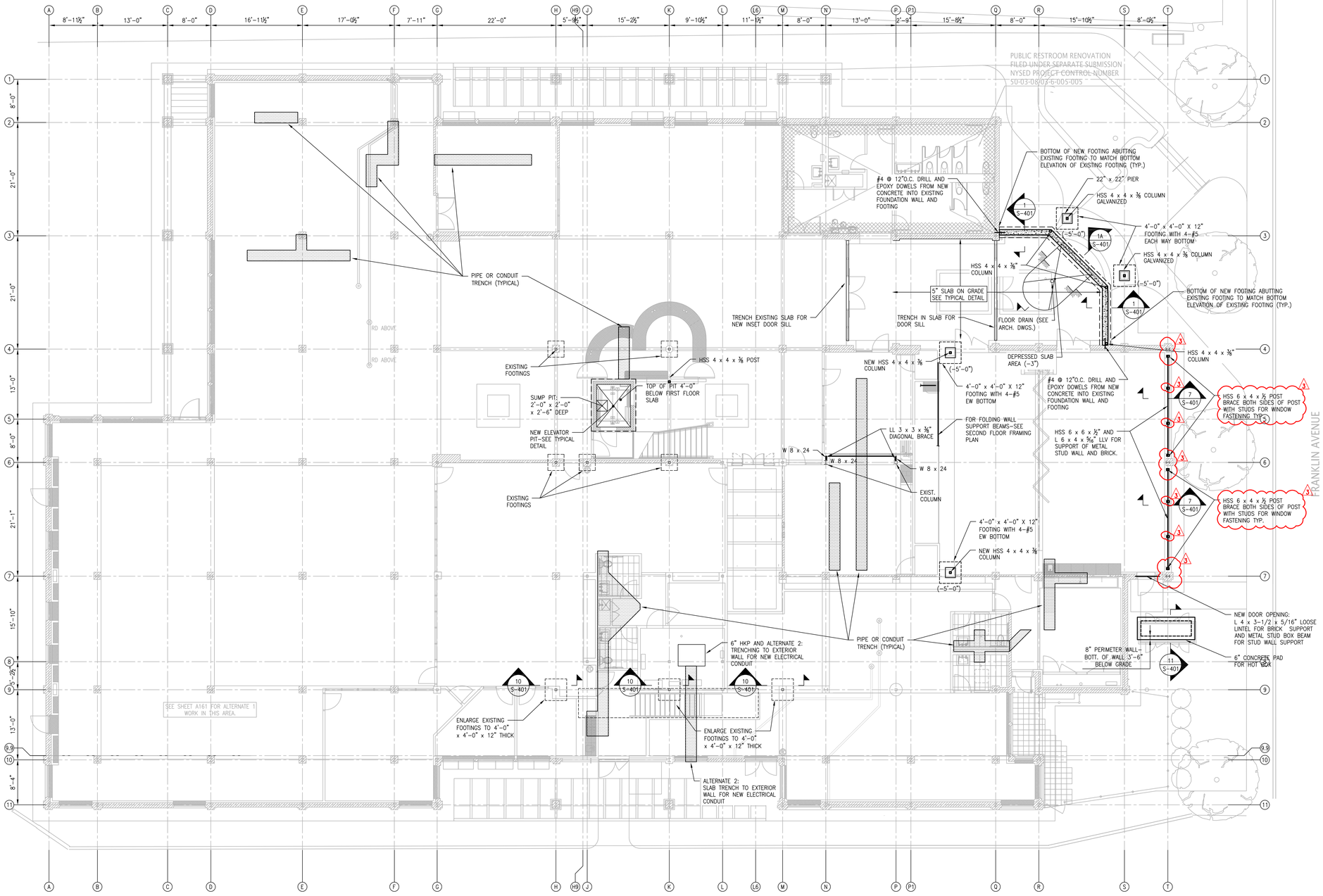
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ALTERNATE 3 ELECTRICAL DETAILS AND FIRE ALARM RISER DIAGRAM

PROJECT NO.: 2578-02 | SCALE: AS NOTED

DRAWING NO.:

ALTERNATE 3 E7.1



LEGEND:

- SAWCUT EXISTING SLAB FOR PIPING OR CONDUIT TRENCH, SEE TYPICAL DETAIL
- NEW STEEL MEMBER
- (-5'-0") APPROXIMATE BOTTOM OF FOOTING ELEVATION FROM GRADE (ACTUAL ELEVATION TO BE DETERMINED IN THE FIELD FOR SOIL CAPACITY)

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEEROLA
CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
3	3/07/2025	SED PERMIT AMENDMENT 02
2	1/28/2025	SED PERMIT AMENDMENT 01
1	6/5/2024	ISSUED TO SED FOR PERMIT

N

STATE OF NEW YORK
NATHANIEL CRAIG OPPENHEIM
03688
LICENSED PROFESSIONAL ENGINEER

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

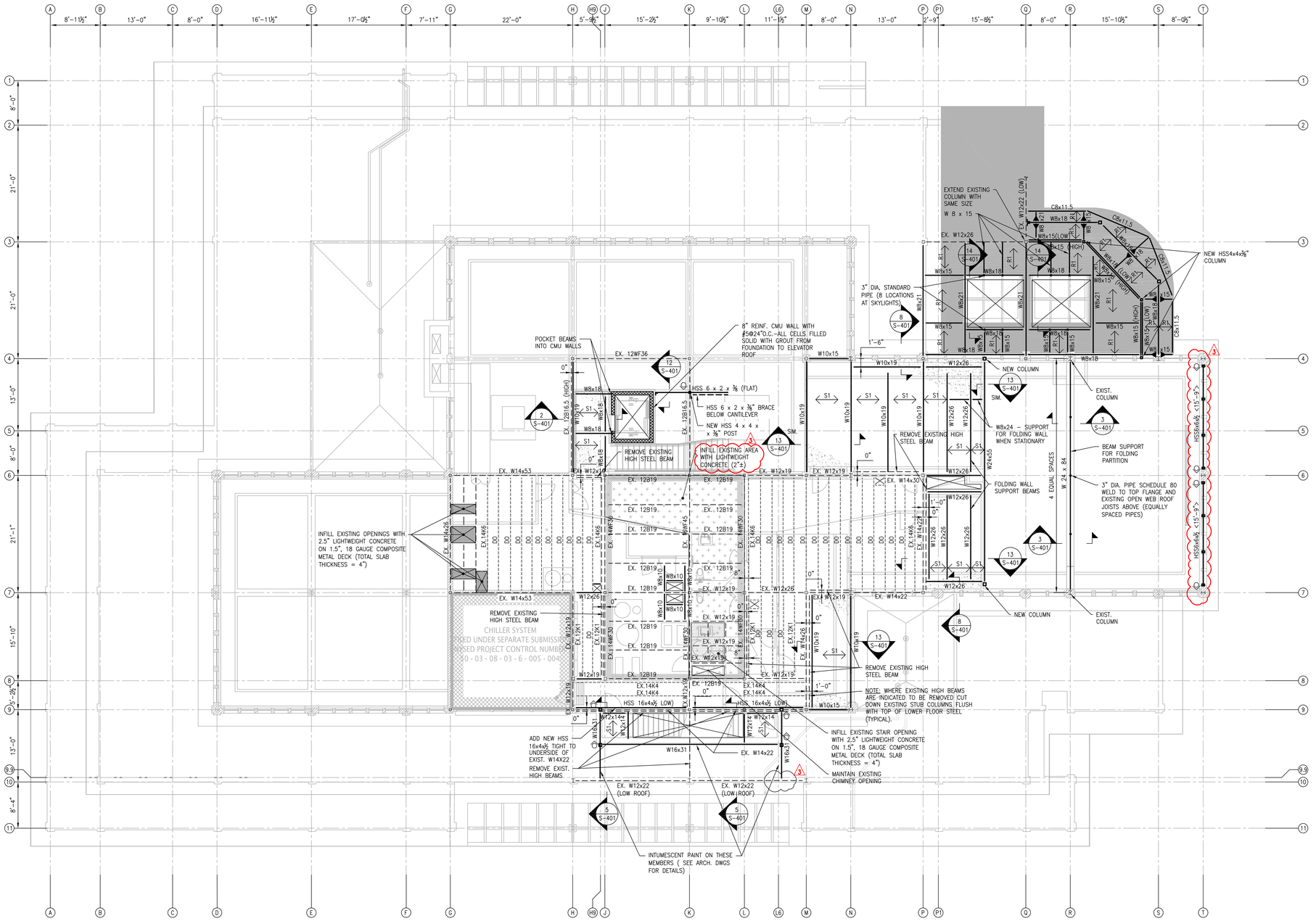
FOUNDATION/FIRST FLOOR FRAMING PLAN

PROJECT NO.: 2578-02
SCALE: 1/8=1'-0"

DRAWING NO.:

S-101.00

SILMAN NO.: 30107



LEGEND:

S1	2.5" LIGHTWEIGHT CONCRETE ON 1.5", 18 GAUGE, COMPOSITE METAL DECK (TOTAL SLAB THICKNESS = 4")
	POST DOWN
	POST UP
EX. 12B19	EXISTING STEEL BEAMS OR STEEL OPEN WEB JOISTS
	NEW STEEL MEMBER
R1	1.5" TYPE B 18 GUAGE ROOF DECK

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEEROLA
CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
3	3/07/2025	SED PERMIT AMENDMENT 02
2	1/28/2025	SED PERMIT AMENDMENT 01
1	6/5/2024	ISSUED TO SED FOR PERMIT

N

STATE OF NEW YORK
MOHAMMED EJAZ UPPAL
LICENSED PROFESSIONAL ENGINEER
69668

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

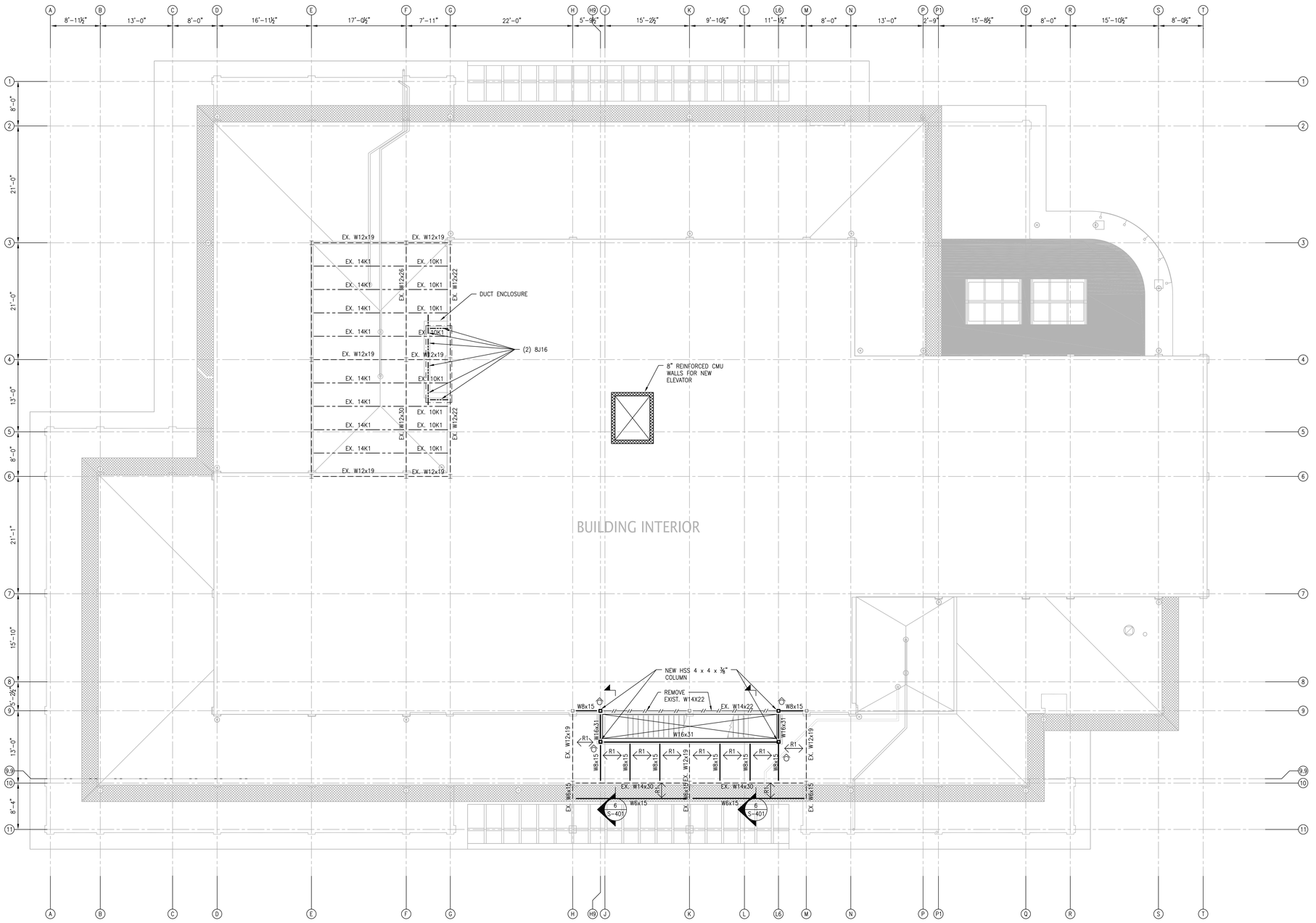
SECOND FLOOR FRAMING PLAN

PROJECT NO.: 2578-02 | SCALE: 1/8=1'-0"

DRAWING NO.:

S-102.00

SILMAN NO.: 30107



LEGEND:

R1 — 1.5" TYPE B 18 GUAGE ROOF DECK

EX. W12x19 — EXISTING STEEL BEAMS OR STEEL OPEN WEB JOISTS

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEEROLA
CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
3	3/07/2025	SED PERMIT AMENDMENT 02
2	1/28/2025	SED PERMIT AMENDMENT 01
1	6/5/2024	ISSUED TO SED FOR PERMIT

N

STATE OF NEW YORK
NATHANIEL EZRA DIPRESSI
LICENSED PROFESSIONAL ENGINEER
93888

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

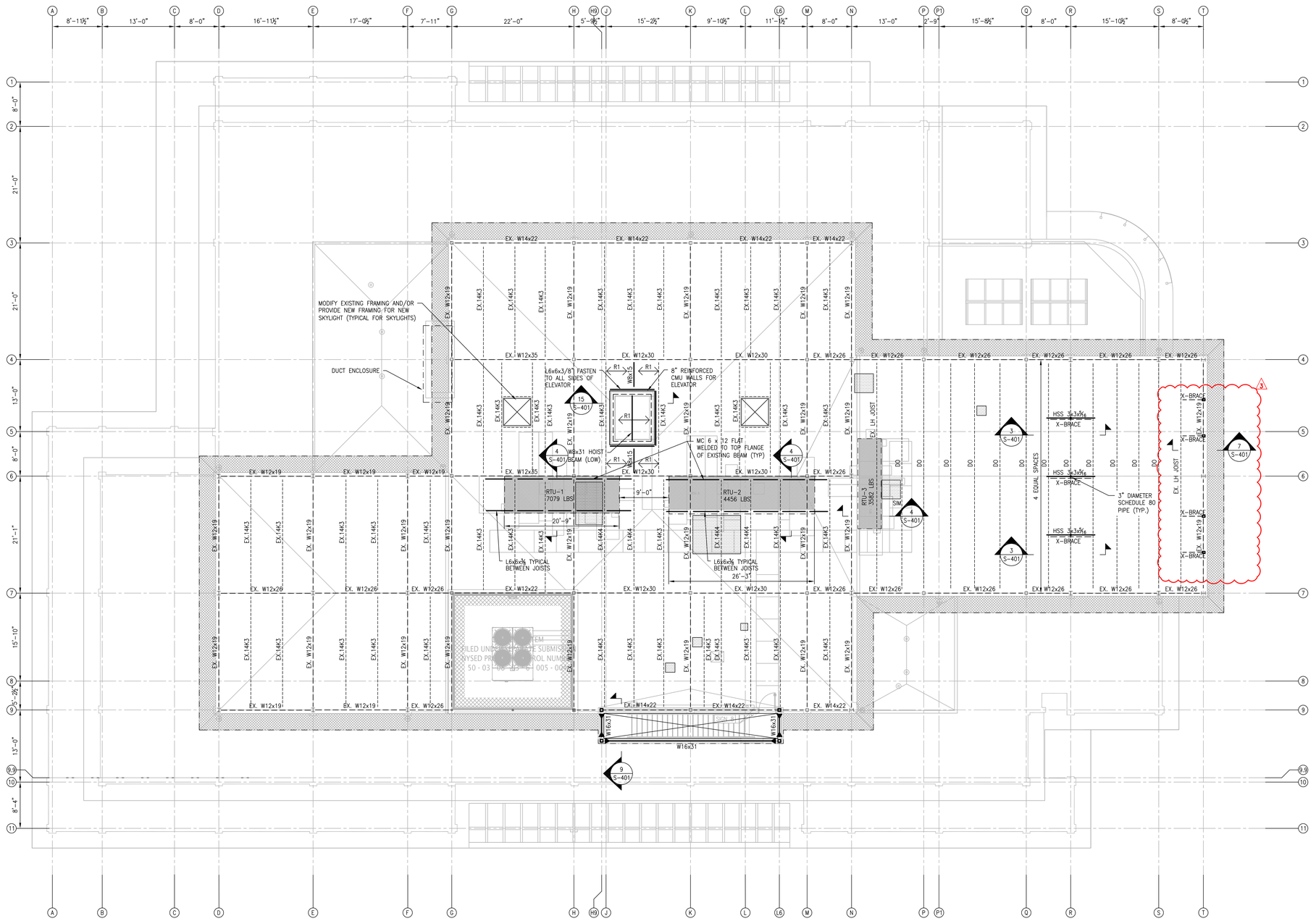
MID ROOF FRAMING PLAN

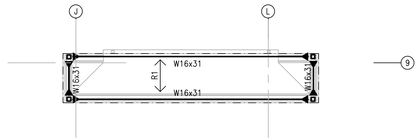
PROJECT NO.:	2578-02	SCALE:	1/8=1'-0"

DRAWING NO.:

S-103.00

SILMAN NO.: 30107





STAIR ROOF FRAMING PLAN

LEGEND:

- R1 — 1.5" TYPE B 18 GUAGE ROOF DECK
- EX. W12x19 — EXISTING STEEL BEAMS OR STEEL OPEN WEB JOISTS
- MOMENT CONNECTION
- INFILL EXISTING OPENING WITH 1.5" TYPE B, 18 GUAGE ROOF DECK

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEEROLA
CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
3	3/07/2025	SED PERMIT AMENDMENT 02
2	1/28/2025	SED PERMIT AMENDMENT 01
1	6/5/2024	ISSUED TO SED FOR PERMIT

N

STATE OF NEW YORK
RAYMOND ERA DIPERSIO JR.
LICENSED PROFESSIONAL ENGINEER
93888

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

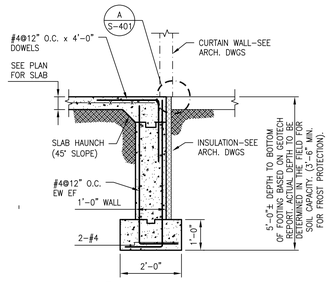
HIGH ROOF FRAMING PLAN

PROJECT NO.: 2578-02
SCALE: 1/8=1'-0"

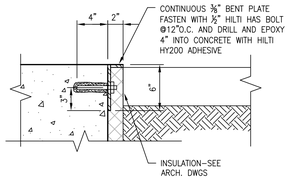
DRAWING NO.:

S-104.00

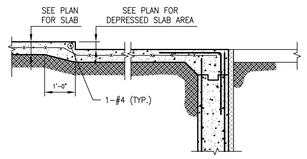
SILMAN NO.: 30107



1 S-401 SECTION
SCALE: 1/2"=1'-0"

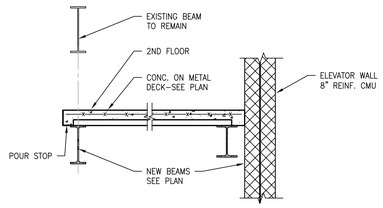


A S-401 DETAIL
SCALE: 1 1/2"=1'-0"

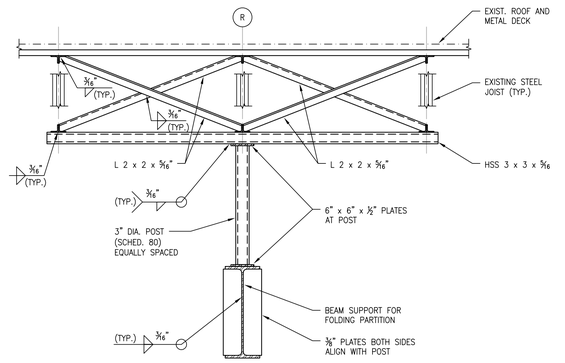


1A S-401 SECTION
SCALE: 1/2"=1'-0"

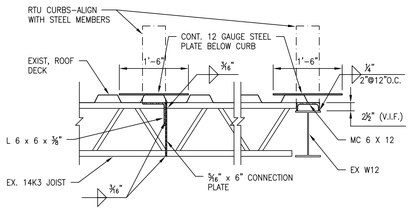
(FOR INFO. NOT SHOWN SEE SECTION 1/S-401)



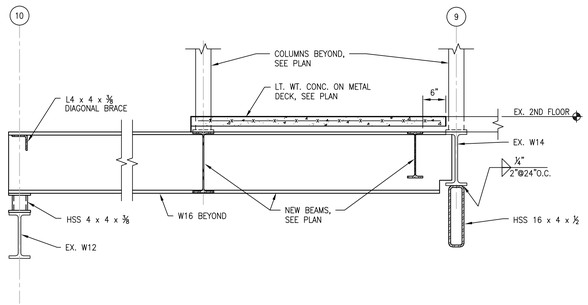
2 S-401 SECTION
SCALE: 3/4"=1'-0"



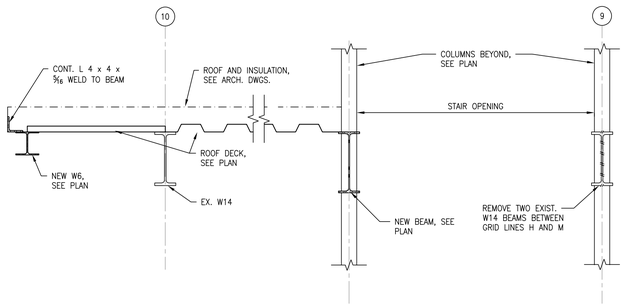
3 S-401 SECTION ON GRID "R"
SCALE: 3/4"=1'-0"



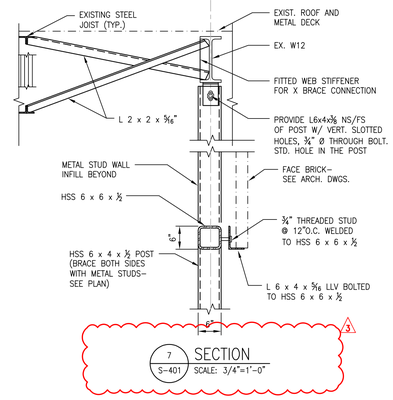
4 S-401 SECTION
SCALE: 3/4"=1'-0"



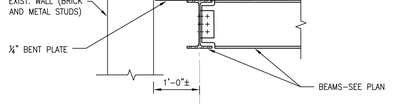
5 S-401 SECTION
SCALE: 3/4"=1'-0"



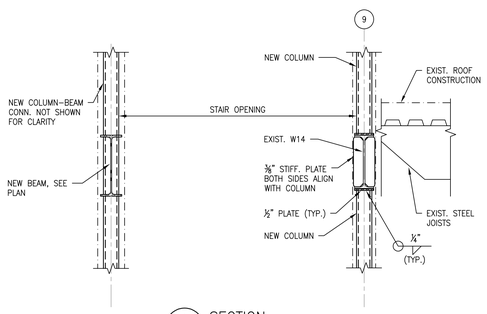
6 S-401 SECTION
SCALE: 3/4"=1'-0"



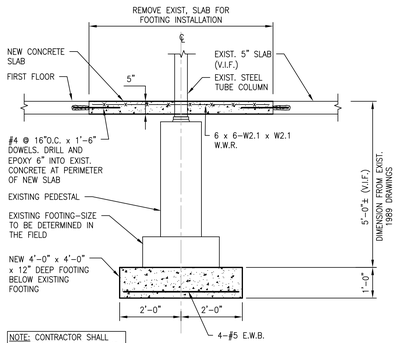
7 S-401 SECTION
SCALE: 3/4"=1'-0"



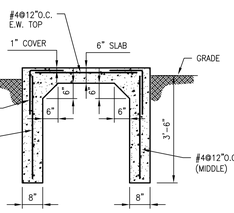
8 S-401 SECTION
SCALE: 3/4"=1'-0"



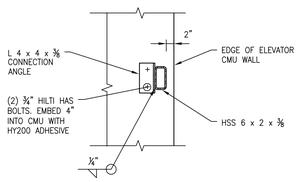
9 S-401 SECTION
SCALE: 3/4"=1'-0"



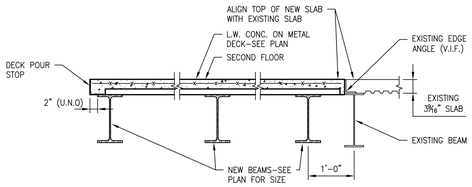
10 S-401 SECTION
SCALE: 1/2"=1'-0"



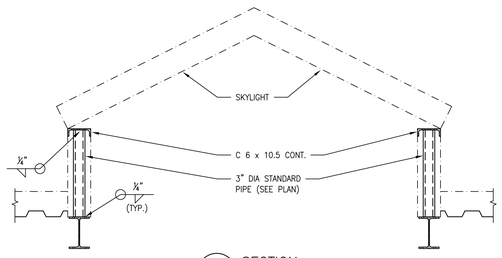
11 S-401 SECTION
SCALE: 1/2"=1'-0"



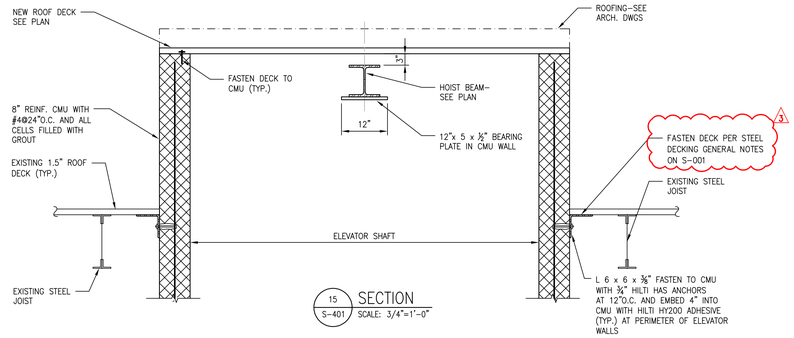
12 S-401 SECTION
SCALE: 3/4"=1'-0"



13 S-401 SECTION
SCALE: 3/4"=1'-0"



14 S-401 SECTION
SCALE: 3/4"=1'-0"



15 S-401 SECTION
SCALE: 3/4"=1'-0"

one eighth inch = one foot 1/8" = 1'-0"

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
3	3/07/2025	SED PERMIT AMENDMENT 02
2	1/28/2025	SED PERMIT AMENDMENT 01
1	6/5/2024	ISSUED TO SED FOR PERMIT

N

STATE OF NEW YORK · RETIRED ERA OPPENHEIM · 83688 · LICENSED PROFESSIONAL ENGINEER

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

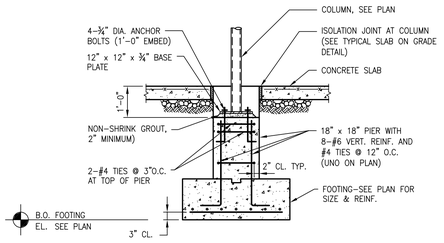
SECTIONS

PROJECT NO.:	2578-02	SCALE:

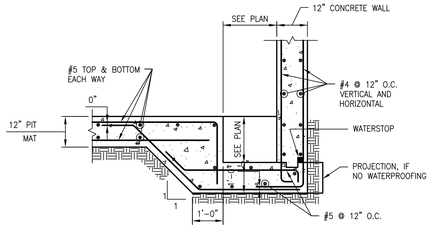
DRAWING NO.:

S-401.00

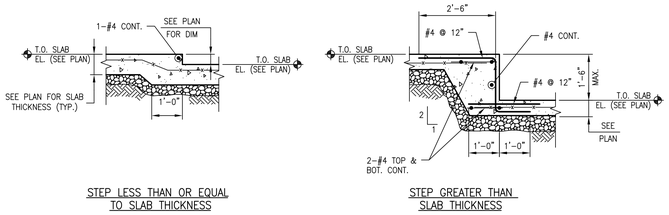
SILMAN NO.: 30107



TYPICAL DETAIL
STEEL COLUMN/PIER AND FOOTING
N.T.S.



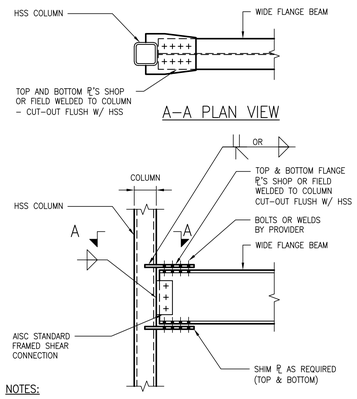
TYPICAL DETAIL
ELEVATOR SUMP PIT
N.T.S.



STEP LESS THAN OR EQUAL TO SLAB THICKNESS

STEP GREATER THAN SLAB THICKNESS

TYPICAL DETAIL STEP IN SLAB ON GRADE
N.T.S.

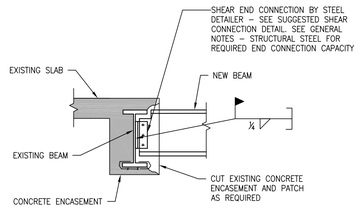


NOTES:

1. CONNECTION DETAILS SHOWN ABOVE ARE SCHEMATIC DETAILS ONLY. CONTRACTOR SHALL DETAIL MOMENT CONNECTIONS BASED ON NOTE 4, IN ACCORDANCE WITH CODES AND SHALL PROVIDE SIGNED AND SEALED CALCULATIONS FOR FULL CONNECTIONS PRIOR TO SUBMITTAL OF SHOP DRAWINGS.
2. REFER TO GENERAL NOTES FOR BOLTED CONNECTION STANDARDS.
3. PROVIDE BOLTED CONNECTION IN WEB FOR BEAM REACTION PER GENERAL NOTES.
4. PROVIDE PRETENSIONED BOLTS FOR STRUCTURES OVER 125' IN HEIGHT.
5. DESIGN MOMENT CONNECTION FOR FULL PLASTIC CAPACITY OF COLUMN.

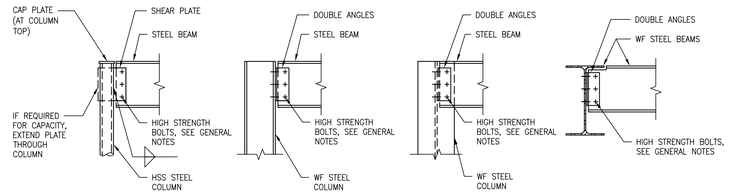
Engineer verify that HSS does not require reinforcement for moment connection limit states

TYPICAL DETAIL HSS COLUMN MOMENT CONNECTION (CUT–OUT PLATE)
N.T.S.



NOTE:
IF EXISTING CONNECTIONS INTERFERE WITH THIS DETAIL, CONTRACTOR SHALL SUBMIT ALTERNATE DETAIL FOR REVIEW.

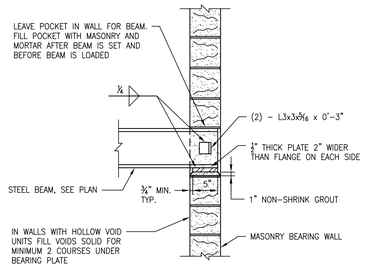
TYPICAL DETAIL
CONNECTION OF NEW STEEL BEAM TO EXISTING STEEL BEAM
N.T.S.



BEAM TO HSS COLUMN | BEAM TO WF COLUMN FLANGE | BEAM TO WF COLUMN WEB | WF BEAM TO WF BEAM

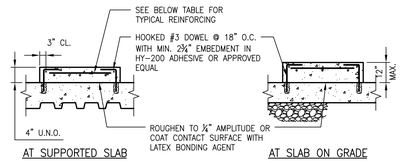
NOTES:
1. CONNECTION DETAILS SHOWN ABOVE ARE SCHEMATIC ONLY. THE CONTRACTOR MAY SUBMIT ALTERNATE DETAILS FROM THOSE SHOWN ABOVE, BUT IN ANY CASE THE CONTRACTOR IS RESPONSIBLE FOR PRODUCING STEEL SHOP DRAWINGS IN ACCORDANCE WITH THE PROJECT GENERAL NOTES AND AISC GUIDELINES. CALCULATIONS SHALL BE SUBMITTED AS REQUIRED IN THE GENERAL NOTES AND ELSEWHERE IN THE CONTRACT DOCUMENTS.
2. THE CONTRACTOR SHALL DETAIL THE PROJECT CONNECTIONS FOR THE LOADS AS INDICATED IN THE CONTRACT DOCUMENTS, PER AISC GUIDELINES. THE SCHEMATIC DETAILS ABOVE ARE NOT SUGGESTIVE OF SPECIFIC CAPACITIES. THE NUMBER AND SIZE OF BOLTS, SIZE AND LENGTH OF WELDS, AND SIZE OF STEEL PIECES MUST BE DETERMINED PER AISC GUIDELINES AND THE CONTRACT DOCUMENTS.
3. PROVIDE FULL DEPTH CONNECTIONS AT ALL PERIMETER BEAM CONNECTIONS AND AT BEAM CONNECTIONS TO PERIMETER BEAMS, UNLESS OTHERWISE NOTED.

TYPICAL DETAIL SUGGESTED SHEAR CONNECTIONS AT GRAVITY LOADS ONLY
N.T.S



MARK	LENGTH (⊥ TO BM.)	WIDTH (∥ TO BM.)	THICKNESS
BP–1			
BP–2			
BP–3			

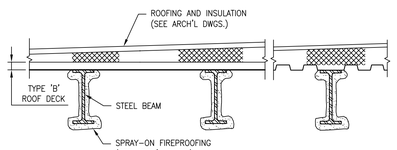
TYPICAL DETAIL
BEAM BEARING ON NEW MASONRY WALL
N.T.S



EQUIPMENT PAD TEMPERATURE AND SHRINKAGE REINFORCING	
PAD THICKNESS	REINFORCING
4"–5"	#3 @ 12" O.C. EACH WAY
6"–9"	#4 @ 12" O.C. EACH WAY
10"–12"	#5 @ 12" O.C. EACH WAY

NOTES:
1. FOR SIZE AND LOCATION SEE ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. CONCRETE FOR PADS SHALL BE NORMAL WEIGHT WITH f'c = 4,000 PSI.

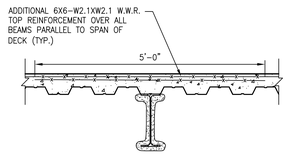
TYPICAL DETAIL EQUIPMENT PAD
SCALE: N.T.S.



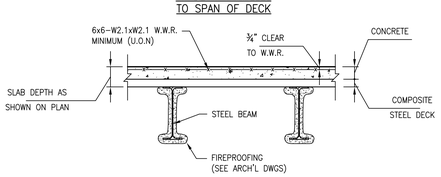
AT BEAM PERPENDICULAR TO SPAN OF DECK

AT BEAM PARALLEL TO SPAN OF DECK

TYPICAL DETAIL STEEL ROOF DECK CONSTRUCTION
N.T.S.

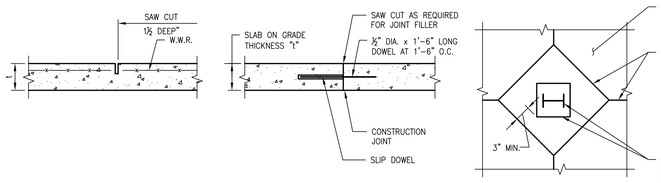


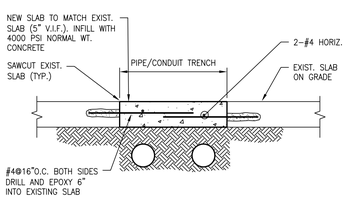
AT BEAM PARALLEL TO SPAN OF DECK



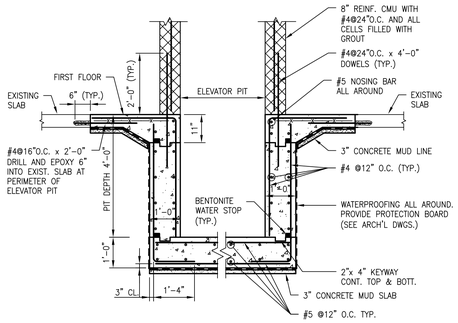
AT BEAM PERPENDICULAR TO SPAN OF DECK

TYPICAL CONCRETE SLAB ON METAL DECK CONSTRUCTION
N.T.S.

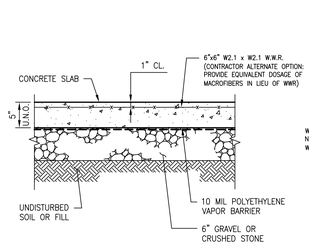


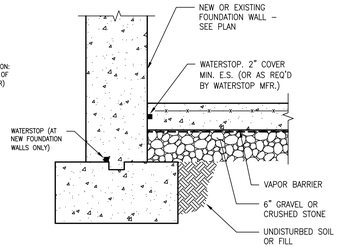


TYPICAL TRENCH DETAIL
N.T.S.



TYPICAL DETAIL ELEVATOR PIT (EXTERIOR WATERPROOFING)
N.T.S.





TYPICAL SLAB ON GRADE
N.T.S.

NOTES:

1. SLAB ON GRADE SHALL BE PLACED IN ALTERNATING STRIPS WHERE EACH SINGLE STRIP DOES NOT EXCEED 36 TIMES SLAB THICKNESS WIDTH IN INCHES. ALTERNATIVELY, LARGE BLOCK PLACEMENTS WITH INTERIOR CONTRACTION JOINTS ARE ACCEPTABLE IF THE CONTRACTION JOINTS ARE MADE IN BOTH DIRECTIONS AT SPECIFIED INTERVALS IN A TIMELY MANNER.
2. SAWED CONTRACTION JOINTS SHALL BE LOCATED AT A MAXIMUM SPACING IN INCHES OF 36 TIMES THE SLAB THICKNESS. JOINTS SHALL BE SAWED NO LATER THAN 24 HOURS AFTER CONCRETE IS PLACED.
3. GRAVEL OR CRUSHED STONE BASE SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT.

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEEROLA
CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, NY 10532
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
3	3/07/2025	SED PERMIT AMENDMENT 02
2	1/28/2025	SED PERMIT AMENDMENT 01
1	6/5/2024	ISSUED TO SED FOR PERMIT

N

STATE OF NEW YORK
NATHANIEL CIRA (JOHN) MINT
69668
LICENSED PROFESSIONAL ENGINEER

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

TYPICAL DETAILS

PROJECT NO.: 2578-02 | SCALE:

DRAWING NO.:

S-501.00

SILMAN NO.: 30107

SYMBOLS AND ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION
	EX.	EXISTING TO REMAIN
	NEW	NEW WORK
	DEM.	EXISTING TO BE REMOVED
	—	ELBOW UP
	—	ELBOW DOWN
	—	TEE DOWN
	—	TEE UP
	—	PIPE CAP OR FLUSHING CONNECTION
	—	GATE VALVE
	—	OS&Y GATE VALVE
	—	BUTTERFLY VALVE
	—	CHECK VALVE
	—	UNION
	—	TEMPERATURE GAUGE
	—	PRESSURE GAUGE
FS	—	WATER FLOW SWITCH
TS	—	TAMPER SWITCH
	—	INSPECTORS TEST CONNECTION
	—	FLOW ARROW
	—	SPRINKLER GUARD
E OR E	—	EXISTING SPRINKLER TO REMAIN
OR	—	EXISTING SPRINKLER TO BE REMOVED
N	—	NEW PENDENT SPRINKLER, CONCEALED OR EXPOSED AS NOTED.
N	—	NEW UPRIGHT SPRINKLER
N	—	SIDEWALL SPRINKLER
D	—	DRY SIDEWALL SPRINKLER
	—	POINT OF CONNECTION
N1	—	HYDRAULIC REFERENCE NODE
S2	—	HYDRAULIC REFERENCE SPRINKLER
	FDC	FIRE DEPARTMENT CONNECTION
	FP	FIRE PUMP
	AFF	ABOVE FINISHED FLOOR
	AHC	ABOVE HUNG CEILING
	ATC	AT CEILING
	BFP	BACKFLOW PREVENTOR
	DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
	DCV	DOUBLE CHECK VALVE BFP
	DN.	DOWN
	FCA	FLOOR CONTROL ASSEMBLY
	FD	FLOOR DRAIN
	FLFD	FUNNEL FLOOR DRAIN
	GPM	GALLONS PER MINUTE
	JP	JOCKEY PUMP
	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
	(NO)	NORMALLY OPEN
	(NC)	NORMALLY CLOSED
	NTS	NOT TO SCALE
	PRV	PRESSURE REDUCING VALVE
	PSI	POUNDS PER SQUARE INCH
	RPZ	REDUCED PRESSURE ZONE BFP
	SF	SQUARE FOOT
	TS	TAMPER SWITCH
	TYP	TYPICAL
	U.O.N.	UNLESS OTHERWISE NOTED

NOTE: FOR REFERENCE ONLY. NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED IN THIS PROJECT.

GENERAL NOTES

1. THE SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED BY AN EXPERIENCED FIRE PROTECTION CONTRACTOR IN STRICT ACCORDANCE WITH NFPA-13, THE REQUIREMENTS OF ALL GOVERNMENTAL AGENCIES AND AUTHORITIES HAVING JURISDICTION OVER THE PREMESIS.
2. COORDINATE ALL WORK WITH OTHER TRADES TO MINIMIZE INTERFERENCES WITH NEW AND EXISTING FACILITIES, TO FACILITATE TIMELY COMPLETION AND AVOID NECESSITY FOR CUTTING AND PATCHING. FURNISH TO OTHER AFFECTED TRADES ALL NECESSARY INFORMATION, WORKING DRAWINGS OR MATERIALS REQUIRED FOR INSTALLATION AND COMPLETION OF ALL WORK. ALL CONFLICTS, OBSTRUCTIONS AND/OR MODIFICATIONS TO THE SPRINKLER DESIGN LAYOUT DUE TO FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO FABRICATION AND INSTALLATION.
3. CONTRACTOR SHALL CONDUCT A HYDRANT FLOW TEST ON THE MUNICIPAL WATER MAIN SERVICING THE BUILDING TO ESTABLISH EXACT FLOW AND PRESSURE AVAILABLE ON THE SITE FOR PREPARATION OF HYDRAULIC CALCULATIONS.
4. ARRANGE PIPING AS REQUIRED TO SUIT CEILING HEIGHTS, DUCTWORK, AND LIGHTS. PROVIDE AT NO EXTRA COST ALL ADDITIONAL PIPING AND FITTINGS REQUIRED TO OFFSET SYSTEM TO AVOID STRUCTURAL, ARCHITECTURAL, MECHANICAL, AND ELECTRICAL INTERFERENCES, WHETHER INDICATED OR NOT, BEFORE INSTALLING WORK.
5. WHEN INSTALLING SPRINKLER HEADS, THE CONTRACTOR SHALL PROVIDE THE SHORTEST HYDRAULIC PIPE LENGTH BETWEEN THE FINAL SPRINKLER HEAD LOCATION AND THE BRANCH LINE CONNECTION. MINIMUM 1" FOR TWO HEADS, 1-1/4" FOR THREE HEADS AND 1-1/2" FOR FIVE HEADS.
6. EXACT LOCATION OF SPRINKLER HEADS IN FINISHED AREAS SHALL BE COORDINATED WITH ARCHITECTURAL REFLECTED CEILING PLANS. SPRINKLER HEADS INSTALLED IN HUNG CEILING WILL BE POSITIONED AS FOLLOWS: ON CENTER OF THE TILES.
7. SPRINKLER SHOP DRAWINGS SHALL BE SUBMITTED FULLY COORDINATED AND RECONCILED WITH SUBMITTED HYDRAULIC CALCULATIONS FOR REVIEW AND APPROVAL BY THE ENGINEER.
8. INSTALL SPRINKLER HEAD COVERS TIGHT TO BOTTOM OF HUNG CEILING WITH CARE THAT THE FINISH IS NOT DAMAGED.
9. WHEN CONCEALED TYPE SPRINKLER HEADS ARE USED, THE COVER PLATES WILL BE FLUSH WITH THE CEILING PLANE TO LIMIT SHADOW EFFECT. TOLERANCE GREATER THAN ± 1/8" IS UNACCEPTABLE.
10. PROVIDE TWO 2-1/2 GALLON PRESSURIZED WATER AND ONE 10 LB ABC DRY CHEMICAL EXTINGUISHERS FOR EMERGENCY USE DURING CONSTRUCTION.
11. PROVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR PIPES PENETRATING FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE AND THE SLEEVE SHALL BE SEALED WITH A LISTED FIRE STOPPING ASSEMBLY OR MATERIAL.
12. ALL HOSE CONNECTION AND FIRE DEPARTMENT CONNECTION THREADS SHALL BE TESTED TO VERIFY COMPATIBILITY WITH THREADS USED BY LOCAL FIRE DEPARTMENT, IN ACCORDANCE WITH NFPA-14 (2022) SECTION 11.3.
13. THE CONTRACTOR SHALL PROVIDE (10) EXTRA SPRINKLERS INCLUDING IMMEDIATE BRANCH PIPING, FITTINGS AND ARM-OVERS TO BE INSTALLED IF NEEDED & AS DIRECTION BY ARCHITECT. THE CONTRACTOR SHALL COORDINATE WITH FINAL CONFIGURATION OF OPEN AND HUNG CEILINGS, ALL HVAC DUCTWORK AND PIPING AND STRUCTURAL ELEMENTS THROUGHOUT THE AREA OF WORK.

EQUIPMENT NOTES

1. TAMPER SWITCHES: SHALL BE AS MANUFACTURED BY POTTER ELECTRIC SIGNAL CO. OR EQUAL FOR EACH POSSIBLE SHUT-OFF VALVE TYPE:
   - MODEL OSYSU-2 OR EQUAL - FOR OS&Y VALVES.
   - MODEL PCVS-2 OR EQUAL - FOR BUTTERFLY VALVES.
   - MODEL RBVS OR EQUAL - FOR BALL VALVES.
2. SPRINKLER PIPING MATERIAL: SHALL BE STANDARD WEIGHT SCHEDULE 40 BLACK STEEL PIPE, SEAMLESS OR WELDED MILD STEEL, CONFORMING TO ASTM A-795/A-53. SCHEDULE 10 PIPING IS NOT PERMITTED FOR PIPING LESS THAN 2".
3. FIRE DEPARTMENT CONNECTION: SHALL BE SIMILAR TO CROKER MODEL 6510 DOUBLE CLAPPER TWO WAY FIRE DEPT. INLET CONNECTION OR EQUAL. FREESTANDING, EXPOSED TYPE, CORROSION-RESISTANT BODY SUITABLE FOR THE OUTDOORS. THREADS SHALL BE IN ACCORDANCE WITH LOCAL FIRE DEPARTMENT REQUIREMENTS. CAST BOTTOM OUTLET BODY WITH DOUBLE CLAPPERS. OUTLET AND INLET SIZES AS SELECTED BY FIGURE NO. 6510. 18" HIGH SEAMLESS TUBING, BRASS BRANDED PLATE, CAST BRASS PLUGS AND CHAINS.
4. SPRINKLERS: REFER TO DRAWING SP-7.1 FOR SPRINKLER HEAD SCHEDULE.
5. FLOOR CONTROL VALVE ASSEMBLY: SHALL BE BASED ON VICTAULIC UMC UNIVERSAL MANIFOLD CHECK ASSEMBLY OR APPROVED EQUAL. WHERE UNIVERSAL MANIFOLD CHECK VALVES ARE SPECIFIED FOR USE IN WET-PIPE SPRINKLER SYSTEMS, AS FLOOR CONTROL MANIFOLDS THEY SHALL BE SPECIFICALLY LISTED FOR SUCH USE. UNIVERSAL MANIFOLD CHECK VALVES SHALL BE DUCTILE IRON CONSTRUCTION, INCORPORATING A CONTROL VALVE, CHECK VALVE, FLOW SWITCH, TEST & DRAIN ASSEMBLY, ADJUSTABLE RELIEF VALVE, AND SYSTEM GAUGES IN ONE COMPACT BODY / FOOTPRINT, AND SHALL BE MANUFACTURED FOR "RIGHT" AND "LEFT"-HAND ORIENTATIONS. THE TEST & DRAIN ASSEMBLE SHALL CONTAIN AN ADJUSTABLE RELIEF VALVE, WITH A RANGE OF 175 TO 310 PSI.
6. WATERFLOW ALARM SWITCH: SHALL BE BASED ON POTTER ELECTRIC SIGNAL CO. VSR SERIES OR EQUAL. PROVIDE WATERFLOW ALARM SWITCHES WHERE INDICATED ON THE DRAWINGS.
6. ELECTRIC ALARM BELL: SHALL BE SIMILAR TO POTTER ELECTRIC SIGNAL COMPANY, VIBRATING TYPE BELL, MODEL PBA-2410 OR EQUAL, 24VAC, 10-INCH DIAMETER, STEEL COVER WITH RED POWDER COAT FINISH, UL LISTED/FM APPROVED, SUITABLE FOR OUTDOOR USE, ALL PARTS TO HAVE CORROSION RESISTANT FINISHES. PROVIDE WEATHERPROOF BACKBOX. BELL SHALL MAINTAIN 15dB ABOVE AVERAGE AMBIENT SOUND. WIRING SHALL BE 24V FROM FIRE ALARM CONTROL PANEL.
7. AIR VENT: SHALL BE BASED ON POTTER AUTOMATIC AIR VENT MODEL AAV POTTER AIR VENT A OR EQUAL. FURNISH AND INSTALL BALL VALVE AND STRAINER. AIR VENT SHALL BE LOCATED AT THE HIGHEST POINT OR TOP OF THE RISER.

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

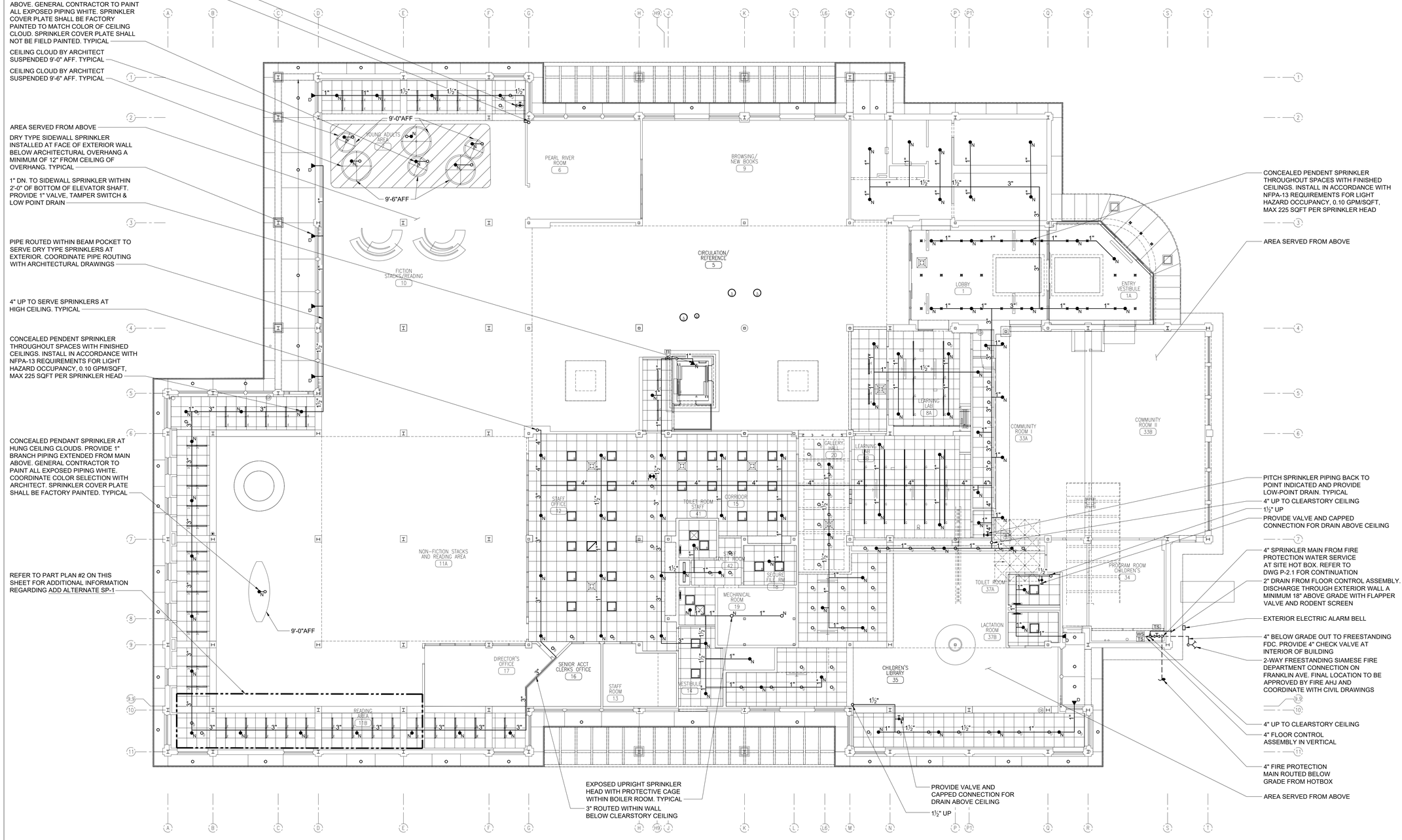
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

SPRINKLER SYMBOLS, ABBREVIATIONS, & NOTES

PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:
SP-0.1

one eighth inch = one foot
0 1 2 4 8 16



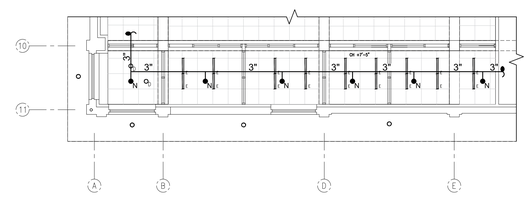
1 SPRINKLER FIRST FLOOR NEW WORK PLAN

SCALE: 1/8" = 1'0"

NORTH

NOTES:

1. ALL EXPOSED SPRINKLER PIPING SHALL BE PAINTED WHITE BY GENERAL CONTRACTOR COMPLETE. COORDINATE COLOR SELECTION WITH ARCHITECT. SPRINKLER COVER PLATES SHALL NOT BE FIELD PAINTED
2. ALL SPRINKLER HEADS SHALL BE CENTERED IN ASSOCIATED CEILING TILE UNLESS OTHERWISE NOTED.



2 SPRINKLER FIRST FLOOR NEW WORK ADD ALTERNATE SP-1 PART PLAN

SCALE: 1/8" = 1'0"

NORTH

one eighth inch = one foot 16 8 4 0

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

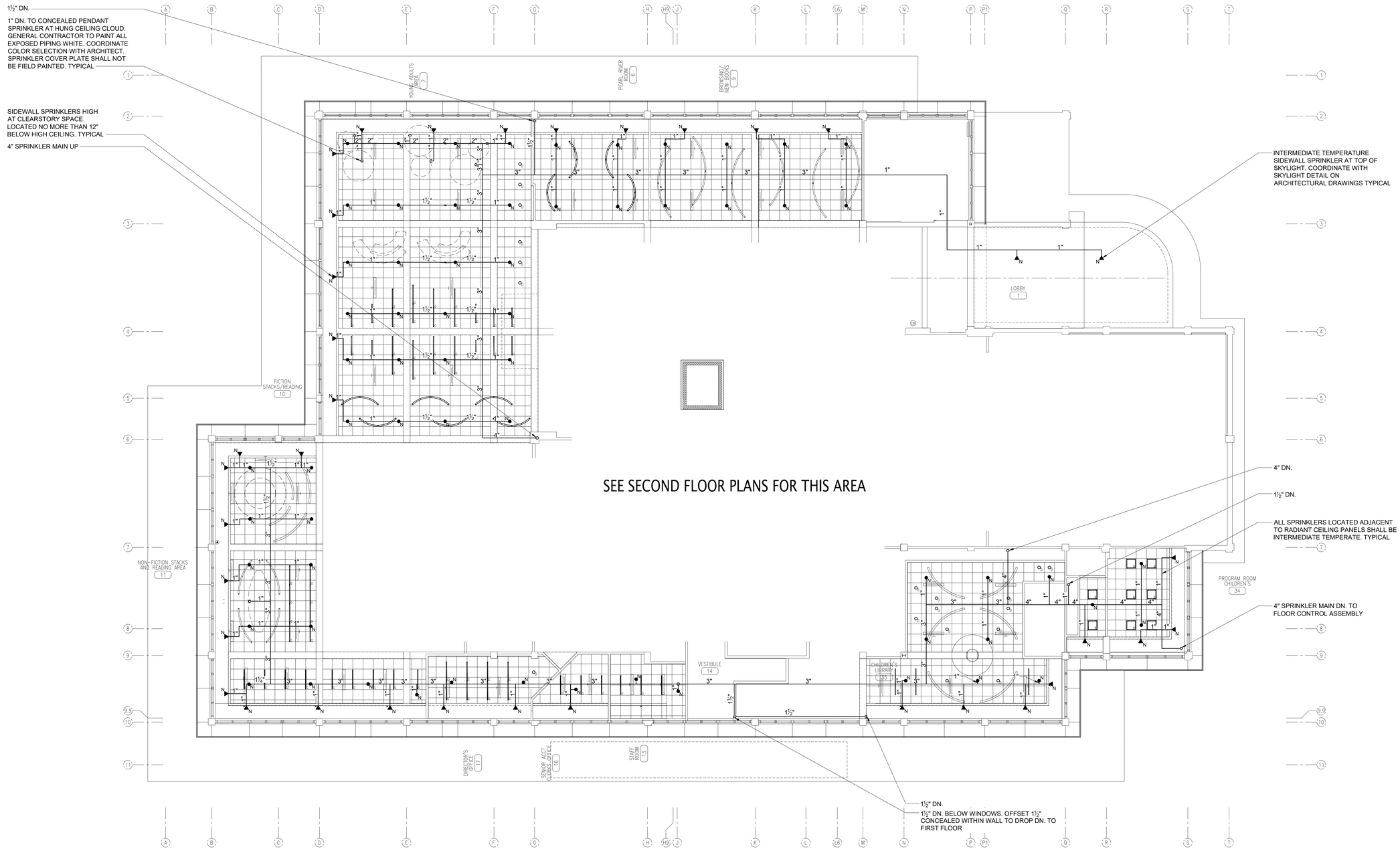
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

SPRINKLER FIRST FLOOR NEW WORK PLAN

PROJECT NO.:	2578-02	SCALE:	AS NOTED

DRAWING NO.:

SP-2.1



1 SPRINKLER CLEARSTORY NEW WORK PLAN

SCALE: 1/8" = 1'0"

NORTH

NOTES:

1. ALL EXPOSED SPRINKLER PIPING SHALL BE PAINTED WHITE BY GENERAL CONTRACTOR COMPLETE. COORDINATE COLOR SELECTION WITH ARCHITECT. SPRINKLER COVER PLATES SHALL NOT BE FIELD PAINTED.
2. ALL SPRINKLER HEADS SHALL BE CENTERED IN ASSOCIATED CEILING TILES UNLESS OTHERWISE NOTED

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

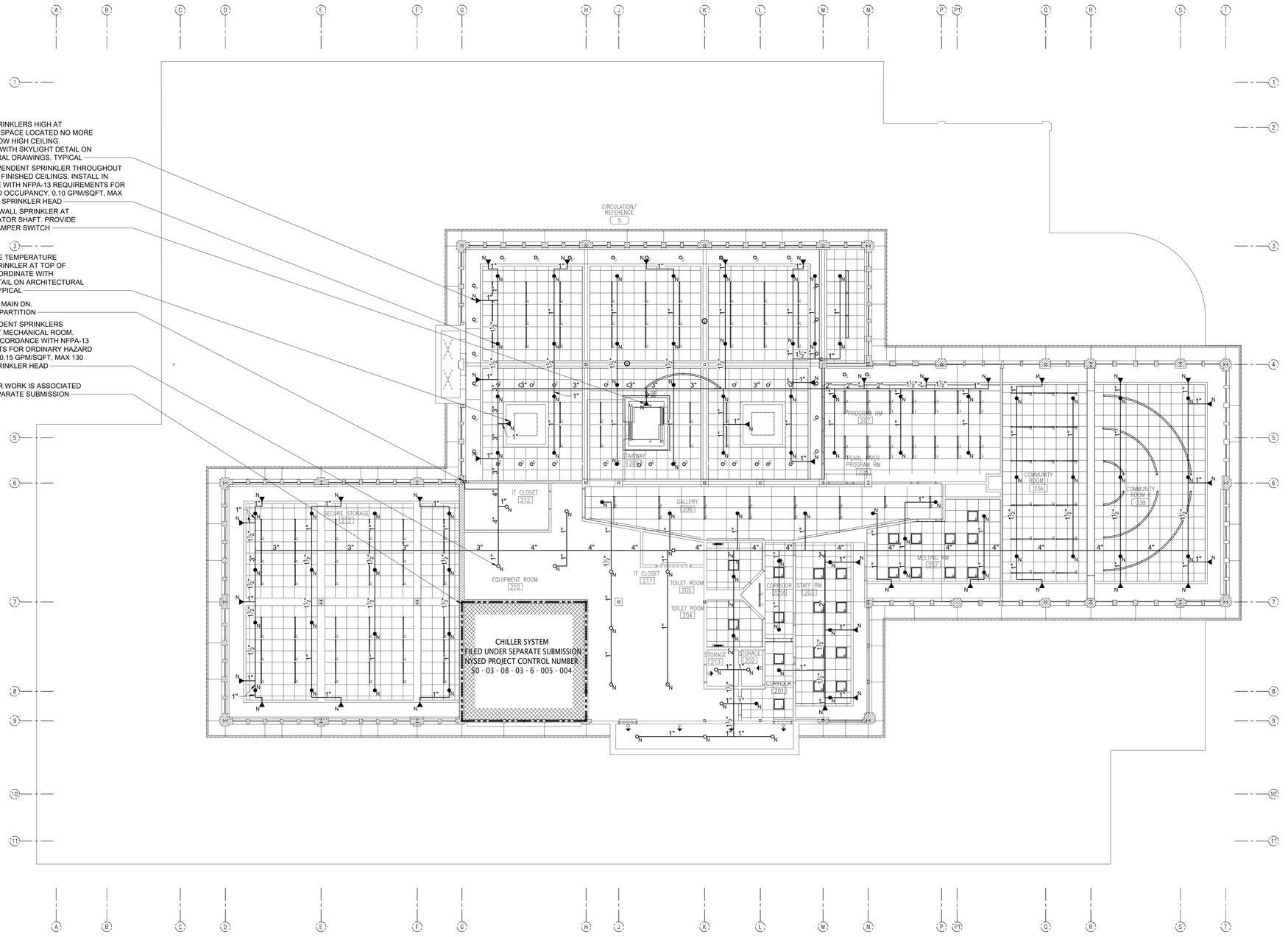
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

SPRINKLER CLEARSTORY NEW WORK PLAN

PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:

SP-2.2



1 SPRINKLER 2ND FLOOR NEW WORK PLAN

SCALE: 1/8" = 1'0"

NORTH

NOTES:

1. ALL EXPOSED SPRINKLER PIPING SHALL BE PAINTED WHITE BY GENERAL CONTRACTOR COMPLETE. COORDINATE COLOR SELECTION WITH ARCHITECT. SPRINKLER COVER PLATES SHALL NOT BE FIELD PAINTED.
2. ALL SPRINKLER HEADS SHALL BE CENTERED IN ASSOCIATED CEILING TILES UNLESS OTHERWISE NOTED

one eighth inch = one foot 1/8" = 1'0"

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

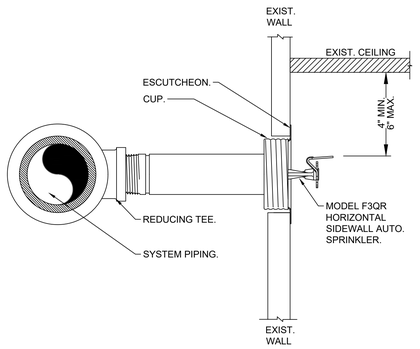
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

SPRINKLER SECOND FLOOR NEW WORK PLAN

PROJECT NO.: 2578-02
SCALE: AS NOTED

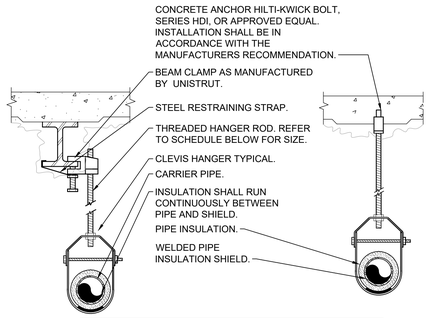
DRAWING NO.:

SP-2.3



11 TYPICAL RECESSED QUICK RESPONSE DRY HORIZONTAL SIDEWALL AUTO. SPRINKLER

SCALE: NONE

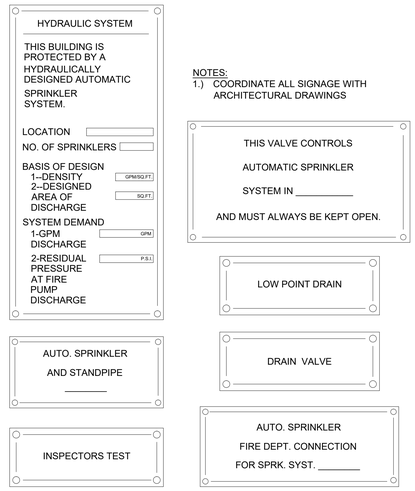


PIPE HANGER SCHEDULE						
PIPE DIA.	3/4"-2"	2 1/2"-3"	4"-5"	6"	8"-12"	
HANGER DIA.	3/8"	1/2"	5/8"	3/4"	7/8"	

NOTES:
1.) CLEVIS HANGERS WITH WELDED INSULATION SHIELDS SIMILAR TO ON ALL PIPES LARGER THAN 1".
2.) FOR PIPES 1" OR SMALLER, A BAND HANGER WITH INSULATION SHIELD MAY BE USED.
3.) FOR NON-INSULATED PIPE, INSULATION SHIELDS MAY BE OMITTED.
4.) ALL PIPE HANGERS SHALL BE GALVANIZED STEEL OR FACTORY PAINTED BLACK WITH ENAMEL.
5.) FOR NON FERROUS PIPING WITHOUT INSULATION, ALL HANGERS SHALL BE COPPER PLATED OR FURNISHED WITH A DI-ELECTRIC BETWEEN PIPE AND HANGERS.
6.) WHERE EXISTING BUILDING STRUCTURAL COMPONENTS HAVE FIREPROOF MATERIAL, ANY AREA THAT IS DISTURBED OR DAMAGED AS A RESULT OF HANGER INSTALLATION SHALL BE PATCHED WITH UL AND FM APPROVED FIREPROOFING TO MATCH EXISTING.

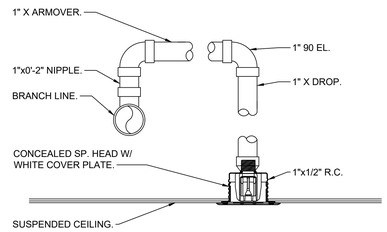
9 PIPE HANGER DETAIL

SCALE: NONE



6 TYPICAL SIGNS

SCALE: NONE



3 TYPICAL CONCEALED PENDENT SPRINKLER

SCALE: NONE

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

SPRINKLER HEAD SCHEDULE										
SYM.	TYPE	LOCATION	FINISH	MANUF.	MODEL	HEAD TEMP.	MAX CEILING TEMP.	ORIFICE	K-FACTOR	MEA#
⊕	CONCEALED	FINISHED AREAS PER PLANS	COVER PLATE COLOR PER ARCHITECT	RELIABLE	G5-56	165°F	100°F	½"	5.6	258-93-E
○	UPRIGHT	EXPOSED AREAS PER PLANS	CHROME PLATED	RELIABLE	F1FR	165°F	100°F	½"	5.6	258-93-E
◀N	SIDEWALL	FINISHED AREAS PER PLANS	COVER PLATE COLOR PER ARCHITECT	RELIABLE	G6-56	165°F	100°F	½"	5.6	258-93-E
◀P	DRY HORIZONTAL SIDEWALL	EXTERIOR OVERHANGS	CHROME PLATED	RELIABLE	F3QR	200°F	150°F	1/2"	5.6	258-93-E

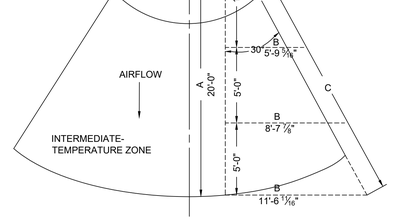
NOTES:
1. SPRINKLER HEADS SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS
2. PROVIDE METAL WIRE GUARDS WHERE SPRINKLERS ARE SUBJECT TO DAMAGE, SUCH AS SPRINKLER HEADS LOCATED UNDER MECHANICAL DUCTS IN MECHANICAL EQUIPMENT ROOMS WHEN LOCATED LOWER THAN 7'-0" AFF AND HEADS IN TRASH CHUTE.
3. ALL SPRINKLER HEADS THROUGHOUT THE PROJECT AREA SHALL BE OF THE ORDINARY TEMPERATURE RATING EXCEPT AS FOLLOWS:
3.1. SPRINKLER HEADS LOCATED CLOSE TO HEATERS, HOT WATER PIPING OR LOW-PRESSURE BLOW-OFF VALVE SHALL BE OF THE TEMPERATURE RATING AS REQUIRED BY NFPA-13.
3.2. ALL HEAT GENERATING EQUIPMENT WHICH CAN AFFECT THE TEMPERATURE RATING OF THE SPRINKLER HEADS SHALL BE CLEARLY IDENTIFIED ON THE SHOP DRAWINGS PRIOR TO SUBMISSION FOR APPROVAL.

10 SPRINKLER HEAD SCHEDULE

SCALE: NONE

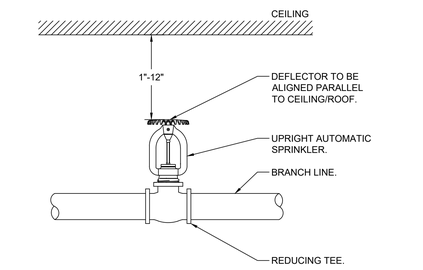
8 RECESSED HORIZONTAL SIDEWALL - FLAT CONCEALED

SCALE: NONE



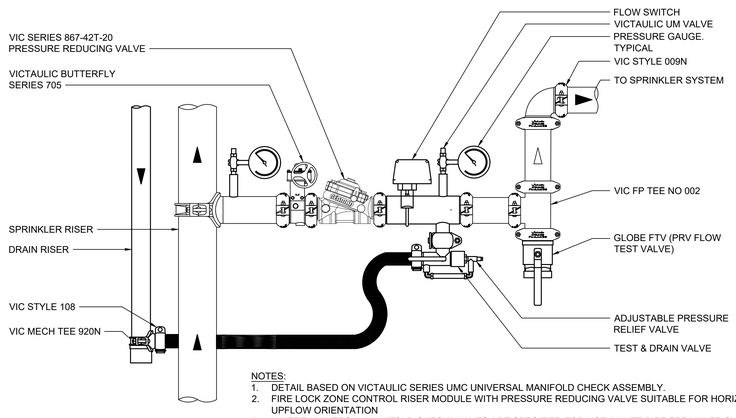
5 SPRINKLER TEMPERATURE ZONES AT UNIT HEATERS

SCALE: NONE



2 TYPICAL UPRIGHT SPRINKLER

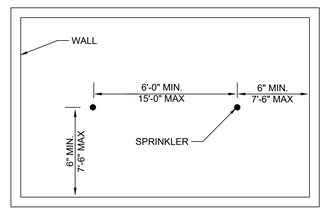
SCALE: NONE



NOTES:
1. DETAIL BASED ON VICTAULIC SERIES UMC UNIVERSAL MANIFOLD CHECK ASSEMBLY.
2. FIRE LOCK ZONE CONTROL RISER MODULE WITH PRESSURE REDUCING VALVE SUITABLE FOR HORIZONTAL OR VERTICAL UPFLOW ORIENTATION
3. WHERE UNIVERSAL MANIFOLD CHECK VALVES ARE SPECIFIED FOR USE IN WET-PIPE SPRINKLER SYSTEMS, AS FLOOR CONTROL MANIFOLDS THEY SHALL BE SPECIFICALLY LISTED FOR SUCH USE. UNIVERSAL MANIFOLD CHECK VALVES SHALL BE DUCTILE IRON CONSTRUCTION, INCORPORATING A CONTROL VALVE, CHECK VALVE, FLOW SWITCH, TEST & DRAIN ASSEMBLY, ADJUSTABLE RELIEF VALVE, AND SYSTEM GAUGES IN ONE COMPACT BODY/FOOTPRINT, AND SHALL BE MANUFACTURED FOR "RIGHT" AND "LEFT"-HAND ORIENTATIONS. THE TEST & DRAIN ASSEMBLE SHALL CONTAIN AN ADJUSTABLE RELIEF VALVE, WITH A RANGE OF 175 TO 310 PSI.

7 SPRINKLER ZONE CONTROL RISER MODULE WITH PRV & PSI RELIEF

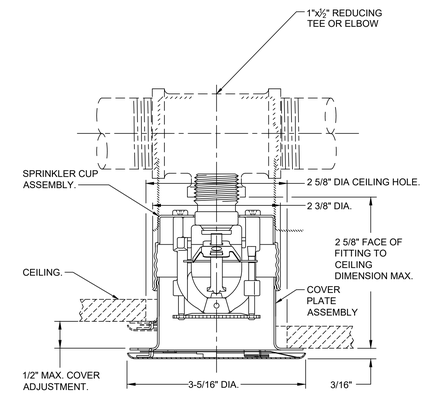
SCALE: NONE



	MAX AREA PER HEAD	DENSITY PER 1500 SQ. FT
LIGHT HAZARD	225 SQ. FT.	0.10 GPM/SQ. FT.
ORDINARY HAZARD	130 SQ. FT.	0.16 GPM/SQ. FT.

4 SPRINKLER HEAD SPACING CRITERIA

SCALE: NONE



NOTE: SPRINKLER COVER PLATE SHALL NOT BE INSTALLED UNTIL DEFLECTOR POSITION (DEPLOYED) IS CONFIRMED TO BE BELOW THE CEILING TILE.

1 CONCEALED PENDENT SPRINKLER HEAD

SCALE: NONE

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
⚠1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

SPRINKLER DETAILS

PROJECT NO.:	2578-02	SCALE:	AS NOTED

DRAWING NO.:

SP-7.1

one eighth inch = one foot 16 12 8 4 0

PLUMBING PIPE MATERIAL SCHEDULE

PIPE SYSTEM	SIZE	PIPE			FITTINGS		
		MATERIAL	TYPE / WEIGHT	STANDARD	MATERIALS	TYPE / WEIGHT	STANDARD
DOMESTIC WATER PIPING (CW, HW, HWC)	ALL	COPPER	HARD / TYPE L	ASTM B88	COPPER	95 / 5 SOLDER LEAD FREE	ASTM B828 ASME B16.22
WATER SERVICE PIPING	¾" - 4"	COPPER	HARD / TYPE K	ASTM B75 ASTM B88	COPPER	95 / 5 SOLDER LEAD FREE	ASTM B828 ASME B16.22
	ALL	DUCTILE IRON	SCHEDULE 40	AWWA C151/A21.51	DUCTILE IRON	GROOVED END	AWWA C606
SANITARY, WASTE, VENT (ABOVE GROUND)	< 4"	COPPER	DWV HARD / TYPE L	ASTM B88	DWV COPPER	95 / 5 SOLDER LEAD FREE	ASTM B828 ASME B16.22
	ALL	CAST IRON	HUBLESS / HUB AND SPIGOT	ASTM A74 ASTM A888 CISPI 301 / 310	CAST IRON	LEAD / OAKUM	ASTM B29
			SCHEDULE 40 / SERVICE		CAST IRON	COUPLING	ASTM C564
SANITARY, WASTE, VENT (BELOW GROUND)	ALL	CAST IRON	HUB AND SPIGOT EXTRA-HEAVY	ASTM A74 ASTM A888 CISPI 301 / 310	CAST IRON	LEAD / OAKUM	ASTM B29
STORM (ABOVE GROUND)	ALL	CAST IRON	HUBLESS / HUB AND SPIGOT	ASTM A74 ASTM A888 CISPI 301 / 310	CAST IRON	LEAD / OAKUM	ASTM B29
			SCHEDULE 40 / SERVICE		CAST IRON	COUPLING	ASTM C564
NATURAL GAS	≤ 4"	STEEL	SCHEDULE 40	ASTM A53 ASTM A106	MALLEABLE IRON	THREADED	ASME B16.3
	> 4"	STEEL	SCHEDULE 40	ASTM A53 ASTM A106	MALLEABLE IRON	WELDED	ASME B16.3

NOTES:
1. INSTALL DUCTILE IRON PIPING UNDER BUILDING SLAB WITH RESTRAINED JOINSTS ACCORDING TO AWWA C600 AND AWWA M41.
2. INSTALL UNDERGROUND COPPER AND DUCTILE IRON PIPE IN PE ENCASEMENT ACCORDING TO ASTM A 674 OR AWWA C105/A21.5
3. DUCTILE IRON WATER SERVICE PIPING SHALL BE CEMENT MORTAR LINED IN ACCORDANCE WITH AWWA C104.
4. WATER SERVICE PIPE SHALL CONFORM TO NSF 61 AND SHALL HAVE A WORKING PRESSURE RATING OF NOT LESS THAN 160 PSI AT 73.4 °F
5. ALL MEDICAL GAS PIPE SHALL BE MANUFACTURER CLEANED, PURGED, AND SEALED FOR MEDICAL GAS SERVICE, OR ACCORDING TO CGA G-4.1 FOR OXYGEN SERVICE. INCLUDE STANDARD COLOR MARKING "OXY", "MED", "OXY/MED", OR "ACR/MED" IN BLUE FOR TYPE L TUBE.

PLUMBING FIXTURE SCHEDULE

TAG	SYMBOLS		FIXTURES	PLUMBING CONNECTIONS				DESCRIPTION
	PLAN	ELEVATION		WASTE	VENT	COLD WATER	HOT WATER	
P-1			WATER CLOSET WALL-MOUNT	4"	2"	1¼"	-	MANUFACTURER: SLOAN MODEL: 2102469 1.1-1.6 GDF FLUSH VOLUME, WALL MOUNTED TOILET, WITH ELONGATED BOWL, VITREOUS CHINA, 1½ I.P.S REAR SPUD INLET, 2⅛" TRAPWAY, 10⅛" x 16¾" WATER SPOT AREA. 25 PSI (FLOWING), 80 PSI (STATIC) OPERATING PRESSURE FLUSHOMETER; MAKE: SLOAN MODEL; 152 ES-S CONCEALED CLOSET, 1.6GPF, HARD-WIRED POWER TYPE
P-2			LAVATORY WALL HUNG	2"	2"	¾"	¾"	MANUFACTURER: SLOAN MODEL: AER-DEC 1-STATION WALL-MOUNTED SINK, CORIAN. FAUCET; MAKE: SLOAN MODEL: 3324004 COLOR: AS SELECTED BY ARCHITECT. 4" TRIM PLATE, MULTI-LAMINAR SPRAY TYPE, BELOW DECK THERMOSTATIC MIXING VALVE, INFRARED SENSOR, BATTERY POWERED DECK-MOUNTED LOW BODY FAUCET. 1.5 GPM FLOW RATE, POLISHED CHROME FINISH. SINGLE HOLE MOUNTING TYPE. SOAP DISPENSER; MAKE: SLOAN MODEL. 3346087 2" MAXIMUM DECK THICKNESS, BATTERY POWER TYPE, INFRARED SENSOR, ELECTRONIC, CHROME PLATED DIE CAST BODY, POLISHED CHROME FINISH
P-3			PANTRY SINK	2"	2"	¾"	¾"	MANUFACTURER: REGENCY MODEL: 600DI14416R 14"x16"x10" 20 GAUGE STAINLESS STEEL ONE COMPARTMENT DROP IN SINK FAUCET; MAKE: REGENCY MODEL: 600DI14416R 3½" GOOSENECK FAUCET WITH 4" CENTERS AND 2 GPM FLOW RATE
P-4			JANITOR'S SINK	3"	2"	¾"	¾"	MANUFACTURER: ELKAY MODEL: EFS3321C 16 GAUGE, TYPE 304, STAINLESS STEEL FLOOR MODEL SERVICE SINK WITH 13⅜" RADIUS CORNERS. FURNISHED WITH WALL HANGER & LK43 DRAIN WITH STRAINER. 3" DRAIN OUTLET. FAUCET; MAKE: ELKAY MODEL: LKB940C SERVICE/UTILITY WALL MOUNT FAUCET. 4.0 GPM FLOW RATE, CHROME PLATED BRASS WITH QUARTER TURN CERAMIC DISC VALVE. REQUIRES (2) FAUCET HOLES. SOLID BRASS CONSTRUCTION & CHROME FINISH. ½" NPT FEMALE INLET.
P-5			CHILDREN'S PROGRAM ROOM SINK	2"	2"	¾"	¾"	MANUFACTURER: SOHPSTONE MODEL: SOPH-SC-94 SCOOP WALL MOUNTED SINK WITH 3 ADA COMPLAINT WALL MOUNTED FAUCETS FAUCET; MAKE: KHOLER MODEL: PURIST COLOR: AS SELECTED BY ARCHITECT. SERVICE/UTILITY WALL MOUNT FAUCET 1.2 GPM FLOW RATE, CHROME PLATED BRASS WITH QUARTER TURN CERAMIC DISC VALVE. REQUIRES (3) FAUCET HOLES. SOLID BRASS CONSTRUCTION & CHROME FINISH.⅝" NPT FEMALE INLET.
P-6			COMMUNITY ROOM SINK	2"	2"	¾"	¾"	MANUFACTURER: VOLRATH MODEL: 101-1-2 13"x17" SINGLE BOWL HEAVYWEIGHT 20 GAUGE TYPE 304 STAINLESS STEEL, SELF RIMMING WITH SATIN FINISH FAUCET; MAKE: KHOLER MODEL: PURIST SERVICE/UTILITY WALL MOUNT FAUCET 1.2 GPM FLOW RATE, CHROME PLATED BRASS WITH QUARTER TURN CERAMIC DISC VALVE. REQUIRES (3) FAUCET HOLES. SOLID BRASS CONSTRUCTION & CHROME FINISH.⅝" NPT FEMALE INLET.
NFHB			NON-FREEZE HOSE-BIB	-	-	¾"	-	ZURN MODEL Z1300 ECOLOTROL WALL HYDRANT. ENCASED, NON-FREEZE, ANTI-SIPHON, AUTOMATIC DRAINING, ALL BRONZE. HINGED COVER WITH OPERATING KEY LOCK AND "WATER" CAST ON COVER
RD-1			ROOF DRAIN	ROOF DRAIN	-	-	-	JOSAM 21500-21 4" SERIES COATED CAST IRON ROOF DRAIN, CAST IRON LOCKING DOME, WELJOC® NON-PUNCTURING CLAMP RING WITH INTEGRAL GRAVEL STOP, LARGE SUMP WITH WIDE ROOF FLANGE AND BOTTOM OUTLET.
FD-1			FLOOR DRAIN	FLOOR DRAIN	3"	2"	-	FLOOR DRAIN MECHANICAL ROOMS: MANUFACTURER: SMITH, WADE, ZURN MODEL: 2120, 1320, Z-508 PROVIDE ALL POURED IN PLACE DRAINS WITH 24"X24" VINYL FLASHING, HEAVY DUTY FLOOR DRAIN WITH, CAST IRON BODY, BOTTOM OUTLET, 9" DIAMETER CAST IRON TOP, TRAP PRIMER CONNECTION, SEEPAGE PAN WITH COMBINATION MEMBRANE FLASHING CLAMP
CO			WALL CLEANOUT	WALL CLEANOUT	-	-	-	WALL CLEANOUT WITH CLEANOUT TEE AND CHROME PLATED BRONZE SQUARE ACCESS COVER AND FRAME. WADE #W-8480 OR APPROVED EQUAL.

NOTES:
1.) REFER TO ARCHITECTURAL DRAWINGS FOR FINAL FIXTURE LOCATIONS, & MOUNTING HEIGHTS.S:
2.) PROVIDE MIXING VALVE FOR ALL LAVATORY FIXTURES & SINKS.

one eighth inch = one foot 1/8" = 1'-0" 0 4 8 16

SYMBOLS AND ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION
-	AFF	ABOVE FINISHED FLOOR
-	AHC	ABOVE HUNG CEILING
-	BFP	BACKFLOW PREVENTER
	-	BALL VALVE
	-	BASKET STRAINER
	-	BUTTERFLY VALVE
	-	CHECK VALVE
	-	CIRCUIT SETTER
	CODP	CLEAN OUT DECK PLATE
	-	CONCENTRIC REDUCER
-	DCV	DOUBLE CHECK VALVE - BFP
	-	ECCENTRIC REDUCER
	-	ELBOW DOWN
	-	ELBOW UP
	-	FLEXIBLE CONNECTION
-	FCO	FLOOR CLEAN OUT
-	FS	FLOOR SINK
	-	FLOW ARROW
-	FAI	FRESH AIR INTAKE
	-	GATE VALVE
	-	GLOBE VALVE
-	HW HTR	HOT WATER HEATER
-	LDR	LEADER
	-	MANUAL AIR VENT
	-	OS&Y GATE VALVE
	-	PLUG VALVE
	-	PIPE CAP
	-	PRESSURE GAGE
	-	PRESSURE REDUCING VALVE
	-	PUMP
-	PD	PUMP DISCHARGE
-	RPZ	REDUCED PRESSURE ZONE - BFP
-	REL.	REMOVE AND RELOCATE
-	S	SANITARY
	-	SOLENOID VALVE
	-	STRAINER
-	SD	STORM DRAINAGE
	-	TEE DOWN
	-	TEE UP
	-	THERMOMETER
-	TYP.	TYPICAL
	-	T&P RELIEF VALVE
	-	UNION
-	V	VENT
-	VTR	VENT THROUGH ROOF
-	WCO	WALL CLEAN OUT
-	W	WASTE LINE
	-	2-WAY VALVE
	-	3-WAY VALVE
	EX.	EXISTING TO REMAIN
	NEW	NEW WORK
	DEM.	EXISTING TO BE REMOVED
	CW	COLD WATER
	HW	HOT WATER
	HWC	HOT WATER RECIRCULATION

NOTE: FOR REFERENCE ONLY. NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED IN THIS PROJECT.

GENERAL NOTES

1. THE CONTRACT DRAWINGS INDICATE THE EXTENT AND GENERAL ARRANGEMENTS OF THE PLUMBING SYSTEMS. IF ANY DEPARTURES FROM THE DRAWINGS ARE DEEMED NECESSARY BY THE PLUMBING CONTRACTOR, DETAILS OF SUCH DEPARTURES AND THE REASONS THEREFORE SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL. NO SUCH DEPARTURES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT. EQUIPMENT AND PIPING ARRANGEMENTS SHALL PROVIDE ADEQUATE AND ACCEPTABLE CLEARANCES FOR ENTRY, SERVICING, AND MAINTENANCE. ANY CHANGES TO PIPING AND EQUIPMENT LOCATIONS NECESSARY TO AVOID INTERFERENCE WITH OTHER TRADES SHALL BE MADE AT NO EXTRA COST.
2. THE PLUMBING WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE PREVAILING NEW YORK STATE PLUMBING AND BUILDING CODES. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.
3. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR PAYING RELATED FEES.
4. CONNECTIONS TO EXISTING UTILITIES AND SERVICES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, INVERT ELEVATIONS, AND SIZES OF EXISTING PLUMBING SERVICES IN FIELD, AND SHALL CONNECT NEW PLUMBING SERVICES AS INDICATED ON DRAWINGS.
5. PRIOR TO FABRICATION, THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB SITE, AND COORDINATE THIS WORK WITH THE WORK OF ALL OTHER TRADES.
6. ALL ACCESS PANELS SHALL BE FURNISHED BY PLUMBING CONTRACTOR & INSTALLED BY GENERAL CONTRACTOR. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR LOCATION. COORDINATE LOCATIONS WITH ARCHITECT FOR APPROVAL.
7. PROVIDE ALL PLUMBING FIXTURES, PIPING, VALVES AND ACCESSORY ITEMS AS SPECIFIED AND AS REQUIRED FOR A COMPLETE INSTALLATION. ROUGHING DIMENSIONS OF FIXTURES MUST BE COORDINATED WITH THE GENERAL CONTRACTOR.
8. PITCH ALL WASTE, SANITARY, AND STORM DRAIN PIPING AT MAXIMUM SLOPE POSSIBLE, BUT NOT LESS THAN 1/8" PER FOOT FOR PIPING ≥ 3" AND 1/4" PER FOOT FOR PIPING ≤ 2½".
9. NO PIPING SHALL RUN EXPOSED IN FINISHED AREAS.
10. PROVIDE DIELECTRIC FITTINGS OR COUPLINGS WHEREVER DISSIMILAR METALS ARE JOINED.
11. PROVIDE SHUTOFF VALVES AT ALL FIXTURES AND EQUIPMENT ON COLD WATER, AND HOT WATER PIPES.
12. ALL WORK SHALL BE PROPERLY TESTED, BALANCED, AND CLEANED AND DISINFECTED.
13. PROVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR PIPES PENETRATING FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE AND THE SLEEVE SHALL BE SEALED WITH FIRE STOPPING MATERIAL. PENETRATIONS FOR PIPING SHALL BE MADE BY CORE DRILLING WHENEVER POSSIBLE.
14. ALL FLOOR DRAINS SHALL BE PROVIDED WITH TRAP SEALS/GUARDS.
15. THE GENERAL CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, CORE DRILLING, AND FINAL RESTORATION REQUIRED TO FACILITATE THE INSTALLATION OF PLUMBING PIPING, INCLUDING ABOVE CEILINGS AND IN SHAFTS THAT WILL NOT BE REPLACED OR OPENED UNDER ANY OTHER SCOPE OF WORK RELATED TO THIS PROJECT. CONTRACTOR TO REMOVE AND REPLACE CEILINGS, AND OPEN AND PATCH SHAFTS AND WALLS, AS REQUIRED TO EXECUTE THE PLUMBING WORK.
16. NEW PIPING LAYOUT IS PREDICATED ON RECORD DRAWING DATA OF EXISTING RISERS AND DRAWINGS. MODIFICATIONS TO THE LAYOUT MAY BE REQUIRED DUE TO DIFFERENT ACTUAL CONDITIONS, OBSTRUCTIONS, INTERFERENCES, ETC.
17. ALL MOTOR STARTERS AND DISCONNECT SWITCHES FOR PLUMBING EQUIPMENT SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED. DISCONNECT SWITCHES FURNISHED BY THE PLUMBING CONTRACTOR FOR PLUMBING EQUIPMENT SHALL BE HEAVY DUTY TYPE.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY VENTILATION AND EXHAUST AIR WHEN WELDING OR SOLDERING OPERATIONS ARE PERFORMED, AS REQUIRED BY OSHA.

EQUIPMENT NOTES

1. DOMESTIC HOT WATER RE-CIRCULATION PUMP (HWC-1): SHALL BE BASED ON BELL & GOSSETT MODEL PL-55 OR EQUAL RATED FOR 10 GPM AT 45' TDH, ⅔ HP, 115V-1 PHASE-60 HERTZ. MOTOR STARTERS AND DISCONNECT SWITCHES SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
2. WATER HAMMER ARRESTOR (WHA): SHALL BE TYPE 650 SERIES: SIOUX CHIEF "HYDRARESTER" PISTON-TYPE OR EQUAL, WITH TYPE L COPPER TUBE CONSTRUCTION, PRESSURIZED AIR CUSHION. REFER TO MANUFACTURER'S RECOMMENDED SIZING.
3. 2" DOMESTIC WATER BACKFLOW PREVENTER ASSEMBLY: SHALL BE WATTS MODEL LF009 LEAD FREE REDUCED PRESSURE ZONE BACKFLOW PREVENTER OR EQUAL. ASSEMBLY SHALL BE SUITABLE FOR PRESSURES UP TO 175 PSI AND TEMPERATURES UP TO 110°F.
4. WATER METER: SHALL BE BASED ON ELSTER EVOQ4 METER OR EQUAL, 2" SIZE, WITH INTEGRAL STRAINER. FINAL WATER METER AND SIZE, MODEL, AND DIMENSIONS SHALL BE DETERMINED & APPROVED BY THE WATER UTILITY. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND INSTALLATION, AND ALL RELATED WATER DEPARTMENT FEES.
5. 4" FIRE SERVICE BACKFLOW PREVENTER ASSEMBLY: SHALL BE ZURN WILKINS DOUBLE CHECK DETECTOR ASSEMBLY BACKFLOW PREVENTER MODEL 350 ADA OR EQUAL. ASSEMBLY SHALL BE SUITABLE FOR PRESSURES UP TO 175 PSI AND TEMPERATURES UP TO 110°F. THE ASSEMBLY SHALL INCLUDE TWO RESILIENT OS&Y SEATED SHUTOFF VALVES & FOUR BALL TYPE TEST COCKS.
6. HEATED / INSULATED ENCLOSURE: SHALL BE HOT BOX MODEL HB8N CATALOG ID HA040118066500 OR EQUAL, SINGLE ALUMINUM, 43"W x 121"L x 67.5"H, 493 LBS. 52" x 130" MOUNTING PAD BY GENERAL CONTRACTOR. ENCLOSURE SHALL BE EQUIPPED WITH (1) 1,900W, & (1) 1500W, 120V THERMOSTATICALLY CONTROLLED HEATING ELEMENTS AND LOW TEMPERATURE / POWER LOSS ALARMS TO BUILDING. ENCLOSURE SHALL INCLUDE (4) LIGHTWEIGHT REMOVABLE DOORS TO PROVIDE ACCESS CLEARANCE TO DEVICES WITHIN. PANELS / ENCLOSURE SHALL BE LOCKABLE TO DETER VANDALISM AND UNAUTHORIZED ENTRY. ENCLOSURE SHALL BE PROVIDED WITH (4) 10"x6.5" HINGED DRAIN PORTS FOR CATASTROPHIC DISCHARGE. COLOR / FINISH SELECTION SHALL BE SELECTED BY ARCHITECT.
7. ELEVATOR SUMP PUMP (ESP-1): TO BE BASED ON STANCOR MODEL SE-50 PUMP OR EQUAL, 0.5 HP, 115V-1 PHASE-60 HERTZ, 8 FLA, 20 GPM @ 29 FEET HEAD AND 3600 RPM. PROVIDE STANCOR CHECK VALVE WITH EACH PUMP. PROVIDE CONTROL SYSTEM FOR EACH PUMP WITH BUILT IN AUDIBLE AND VISUAL ALARM WHEN PUMP DOES NOT RUN DUE TO HIGH LIQUID ALARM. PROVIDE SILENCING BUTTON FOR AUDIBLE ALARM BUILT INTO PANEL. PANEL SHALL HAVE ADDITIONAL CONTACT FOR A REMOTE ALARM LOCATION. PROVIDE JUNCTION BOX WITH MULTI PIN CONNECTOR AND CORD LENGTHS AS REQUIRED. PANEL TO HAVE INDICATOR LIGHTS FOR HIGH LIQUID LEVEL, OVERLOAD AND PUMP RUN. CONTROL PANEL ENCLOSURE TO BE NEMA-4X WATERTIGHT CORROSION RESISTANT FIBERGLASS.
8. WATER FILTER (WF): PROVIDE WATER FILTER ON COLD WATER SUPPLY FOR PANTRY. WATER FILTER TO BE AQUA-PURE MODEL AP101S OR EQUAL, ¾" INLET, 1 PSI CLEAN PRESSURE DROP @ 8GPM, 8GPM MAXIMUM FLOW RATE.
9. SOLENOID VALVES: GAS EMERGENCY SHUT-OFF SOLENOID VALVE SHALL BE BASED ON THE ASCO REDHAT SERIES GAS SHUTOFF VALVE WITH EXPLOSION-PROOF CONSTRUCTION AND 2-WAY NORMALLY CLOSED OPERATION FOR ON/OFF CONTROL OF FUEL GAS. SIZE AS PER FLOOR PLANS. VOLTAGE: 24V DC. PROVIDE WALL MOUNTED EMERGENCY SHUT-OFF SWITCH.

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

PLUMBING SYMBOLS, ABBREVIATIONS, NOTES, & SCHEDULES

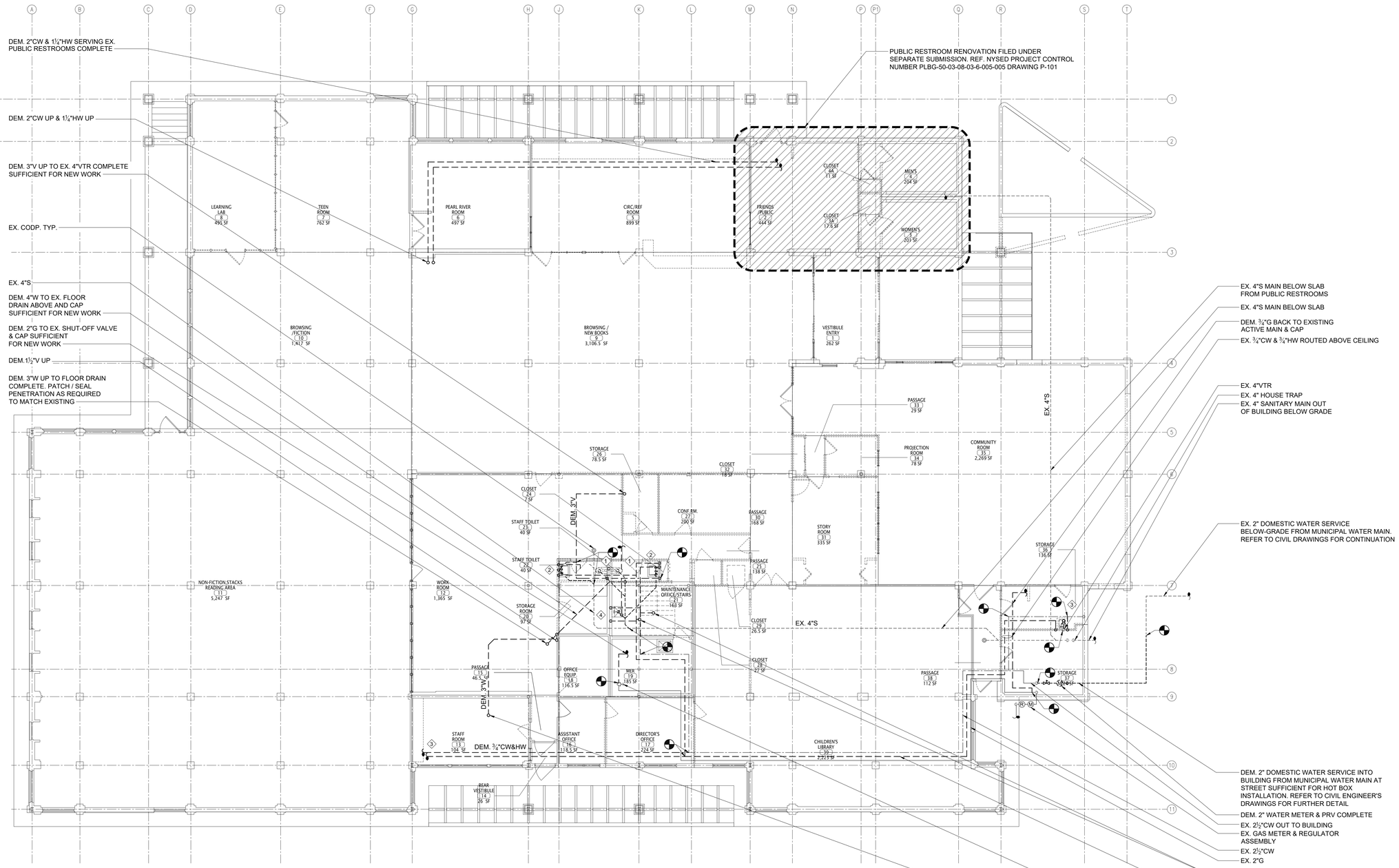
PROJECT NO.: 2578-02 | SCALE: AS NOTED

DRAWING NO.:

P-0.1

DEMOLITION KEY NOTES

1. DEM. EX. WATER CLOSET. DEM ASSOCIATED CW, SANITARY & VENT PIPING BACK TO ACTIVE MAINS & CAP FOR NEW WORK. TYPICAL
2. DEM. EX. LAV COMPLETE. DEM ASSOCIATED CW, HW, WASTE & VENT PIPING BACK TO ACTIVE MAINS & CAP FOR NEW WORK. TYPICAL
3. DEM. SINK COMPLETE. DEM ASSOCIATED CW, HW, WASTE & VENT PIPING BACK TO ACTIVE MAINS & CAP FOR NEW WORK. TYPICAL
4. DEM. EX. JANITOR SINK COMPLETE. DEM ASSOCIATED CW, HW, WASTE & VENT PIPING BACK TO ACTIVE MAINS & CAP FOR NEW WORK. TYPICAL



1 PLUMBING FIRST FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'0"
NORTH

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

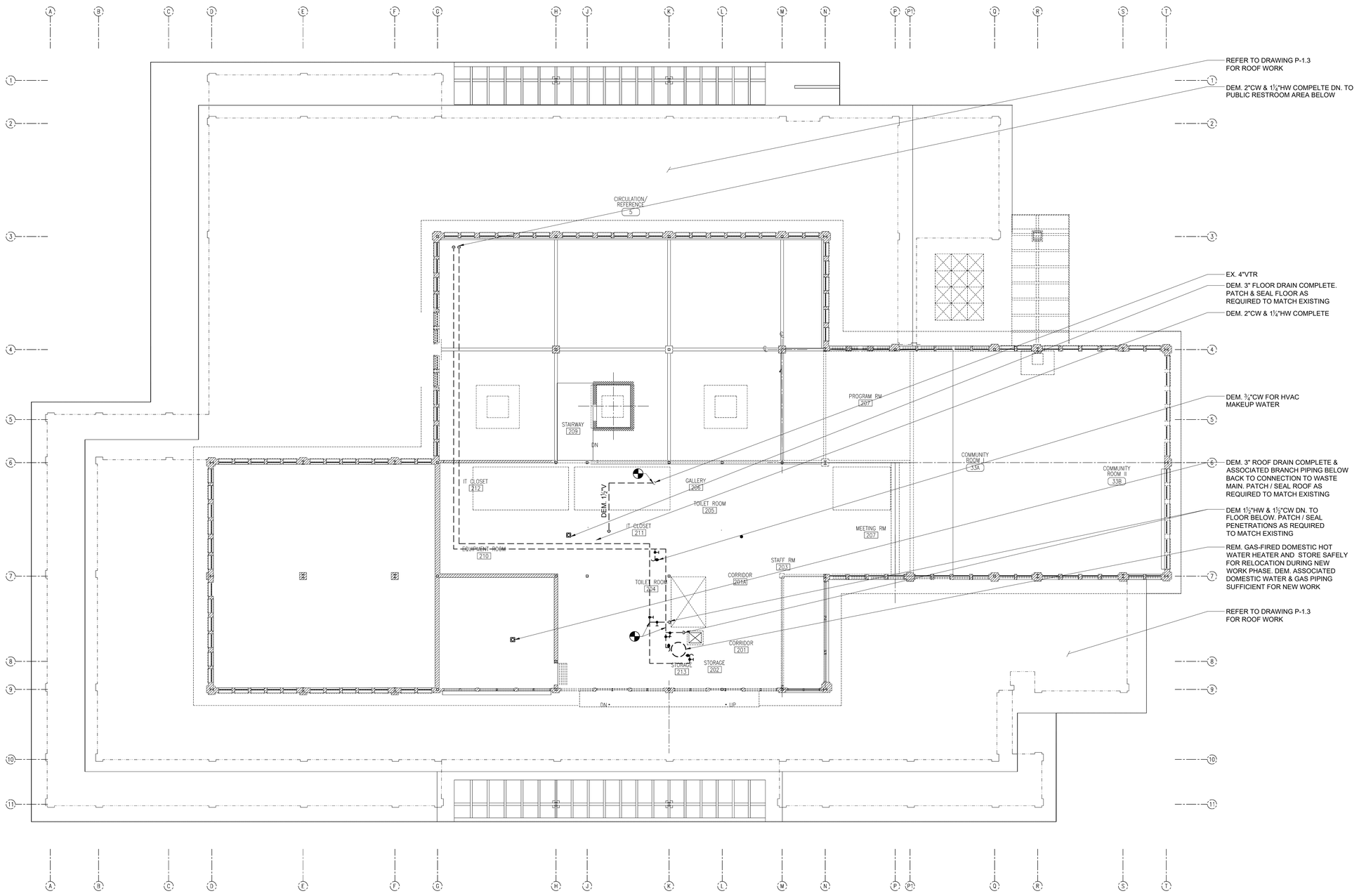
PLUMBING FIRST FLOOR DEMOLITION PLAN

PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:
P-1.1

PLUMBING SCOPE OF WORK NOTES

1. PRIOR TO REMOVAL, ALL DRAINS, EXISTING TO REMAIN AND EXISTING TO BE REPLACED, SHALL BE INSPECTED AND VIDEO SCOPED TO DETERMINE CONDITION AND DRAIN FUNCTIONALITY.
2. THE DRAIN PIPES FROM ALL ROOF DRAINS TO BE REPLACED UP TO THE FIRST ELBOW. PROVIDE ACCESS OPENINGS TO INSTALL DRAIN PIPES AND ELBOW. FOR LOCATIONS COORDINATE WITH ARCHITECTURAL DRAWINGS. DO NOT REMOVE ANY CEILING HANGERS. ANY DAMAGED HANGERS SHALL BE REPLACED IN-KIND BEFORE APPLICATION OF FINISHES.
3. CLEAN AND CLEAR ALL LEADERS OF ANY OBSTRUCTIONS UP TO THE HOUSE TRAPS AND TEST BEFORE AND AFTER INSTALLATION OF ROOF DRAINS.
4. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL PERFORM A ROOF FLOOD TEST.



1 PLUMBING SECOND FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'0"
NORTH

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

PLUMBING SECOND FLOOR DEMOLITION PLAN

PROJECT NO.: 2578-02 | SCALE: AS NOTED

DRAWING NO.:

P-1.2

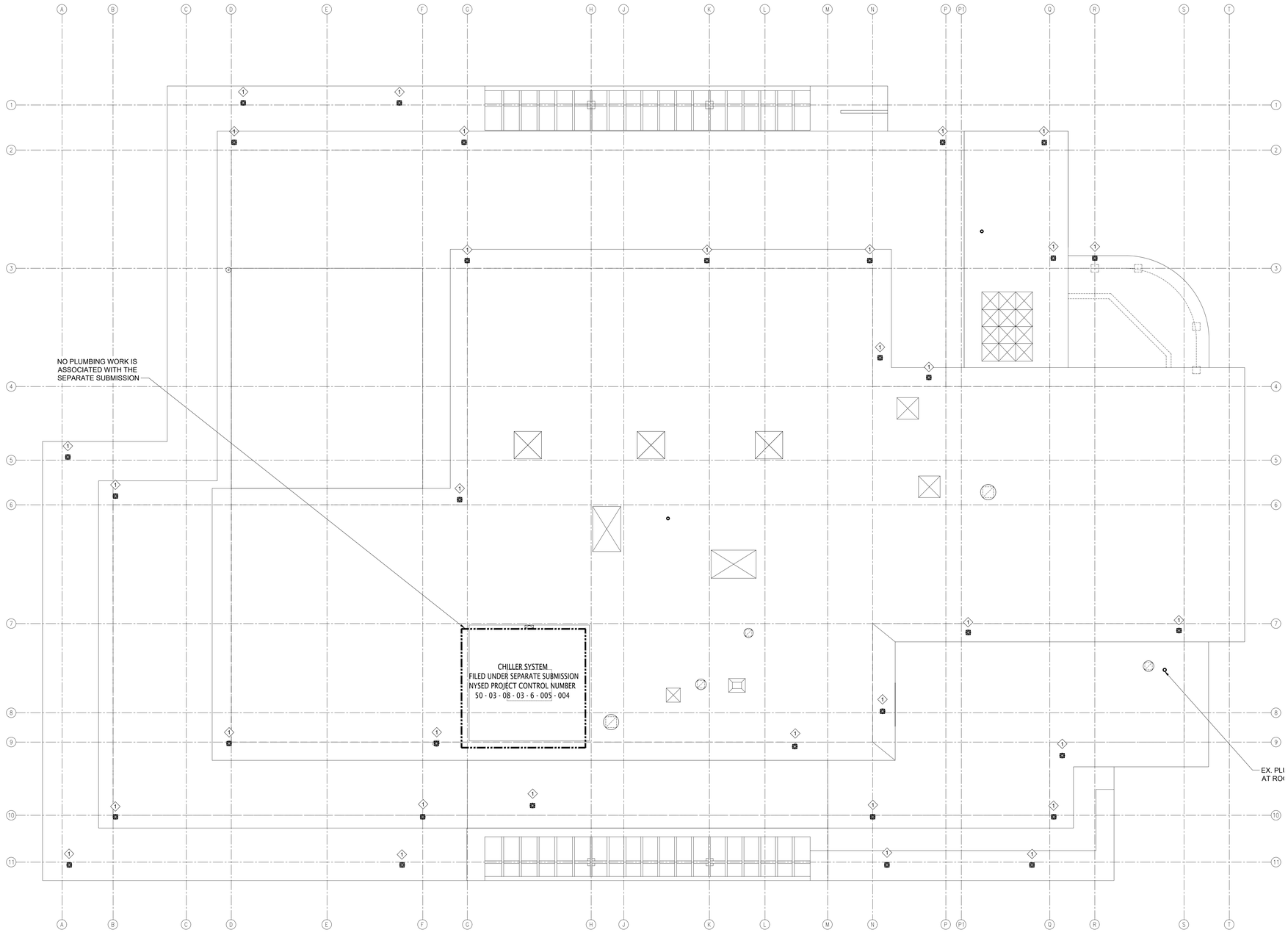
PLUMBING SCOPE OF WORK NOTES

1. PRIOR TO REMOVAL, ALL DRAINS, EXISTING TO REMAIN AND EXISTING TO BE REPLACED, SHALL BE INSPECTED AND VIDEO SCOPED TO DETERMINE CONDITION AND DRAIN FUNCTIONALITY.
2. THE DRAIN PIPES FROM ALL ROOF DRAINS TO BE REPLACED UP TO THE FIRST ELBOW. PROVIDE ACCESS OPENINGS TO INSTALL DRAIN PIPES AND ELBOW. FOR LOCATIONS COORDINATE WITH ARCHITECTURAL DRAWINGS. DO NOT REMOVE ANY CEILING HANGERS. ANY DAMAGED HANGERS SHALL BE REPLACED IN-KIND BEFORE APPLICATION OF FINISHES.
3. CLEAN AND CLEAR ALL LEADERS OF ANY OBSTRUCTIONS UP TO THE HOUSE TRAPS AND TEST BEFORE AND AFTER INSTALLATION OF ROOF DRAINS.
4. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL PERFORM A ROOF FLOOD TEST.

DEMOLITION KEY NOTES

1 DEM. EX. ROOF DRAIN & ASSOCIATED STORM DRAIN PIPING COMPLETE TO FIRST ELBOW SUFFICIENT FOR NEW WORK. TYPICAL

EX. PLUMBING VENT TERMINATIONS AT ROOF TO REMAIN. TYPICAL



1 PLUMBING ROOF DEMOLITION PLAN
SCALE: 1/8" = 1'0"

NORTH

NOTES:
1. ALL DEMOLITION WORK SHALL BE PERFORMED BY THE GENERAL CONTRACTOR. ALL PIPING DISCONNECTIONS SUFFICIENT FOR NEW WORK SHALL BE COMPLETED BY THE PLUMBER

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

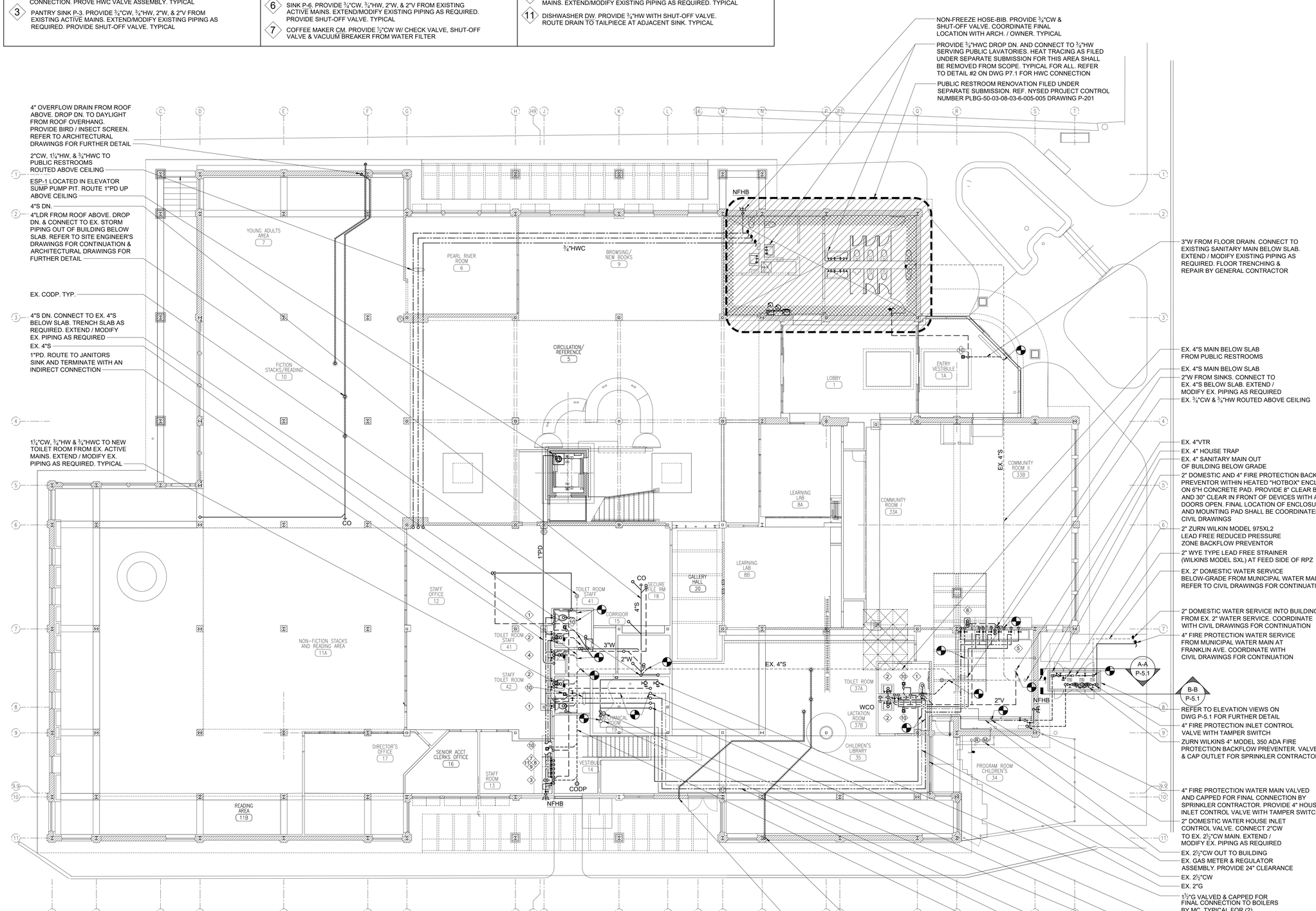
PLUMBING ROOF DEMOLITION PLAN

PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:
P-1.3

PLUMBING KEY NOTES

1. WATER CLOSET P-1. PROVIDE 1½"CW, 4"S, & 2"V FROM EXISTING ACTIVE MAINS. EXTEND/MODIFY EXISTING PIPING AS REQUIRED. PROVIDE SHUT-OFF VALVE. TYPICAL
2. LAV P-2. PROVIDE ¾"CW, ¾"HW, 2"W, & 2"V FROM EXISTING ACTIVE MAINS. EXTEND/MODIFY EXISTING PIPING AS REQUIRED. PROVIDE SHUT-OFF VALVE. ROUTE ¾" HWC PIPING DOWN TO LAV HW CONNECTION. PROVE HWC VALVE ASSEMBLY. TYPICAL
3. PANTRY SINK P-3. PROVIDE ¾"CW, ¾"HW, 2"W, & 2"V FROM EXISTING ACTIVE MAINS. EXTEND/MODIFY EXISTING PIPING AS REQUIRED. PROVIDE SHUT-OFF VALVE. TYPICAL
4. JANITOR SINK P-4. PROVIDE ¾"CW, ¾"HW, 2"W, & 2"V FROM EXISTING ACTIVE MAINS. EXTEND/MODIFY EXISTING PIPING AS REQUIRED. PROVIDE SHUT-OFF VALVE. TYPICAL
5. TROUGH SINK P-5. PROVIDE ¾"CW, ¾"HW, 2"W, & 2"V FROM EXISTING ACTIVE MAINS. EXTEND/MODIFY EXISTING PIPING AS REQUIRED. PROVIDE SHUT-OFF VALVE. TYPICAL
6. SINK P-6. PROVIDE ¾"CW, ¾"HW, 2"W, & 2"V FROM EXISTING ACTIVE MAINS. EXTEND/MODIFY EXISTING PIPING AS REQUIRED. PROVIDE SHUT-OFF VALVE. TYPICAL
7. COFFEE MAKER CM. PROVIDE ½"CW W/ CHECK VALVE, SHUT-OFF VALVE & VACUUM BREAKER FROM WATER FILTER
8. REFRIGERATOR REF. PROVIDE ½"CW W/ CHECK VALVE & VACUUM BREAKER FROM WATER FILTER
9. WATER DISPENSER WD. PROVIDE ½"CW W/ CHECK VALVE & VACUUM BREAKER FROM WATER FILTER
10. FLOOR DRAIN FD. PROVIDE 3"W, & 2"V FROM EXISTING ACTIVE MAINS. EXTEND/MODIFY EXISTING PIPING AS REQUIRED. TYPICAL
11. DISHWASHER DW. PROVIDE ¾"HW WITH SHUT-OFF VALVE. ROUTE DRAIN TO TAILPIECE AT ADJACENT SINK. TYPICAL



1 PLUMBING FIRST FLOOR NEW WORK PLAN
SCALE: 1/8" = 1'0"

NORTH

NOTES:
1. ALL TOILET ROOM AREAS SHALL BE PROVIDED WITH HOT WATER RECIRCULATION SYSTEM.
2. PROVIDE HWC VALVE ASSEMBLY AT ALL CONNECTIONS TO HW. REFER TO DETAIL #2 ON DWG P7.1.
3. COORDINATE ALL EXPOSED LDR PIPING WITH ARCHITECTURAL DRAWINGS.
4. TRENCHING TO BE COORDINATED AND PERFORMED BY GENERAL CONTRACTOR.

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

PLUMBING FIRST FLOOR NEW WORK PLAN

PROJECT NO.:	2578-02	SCALE:	AS NOTED

DRAWING NO.:

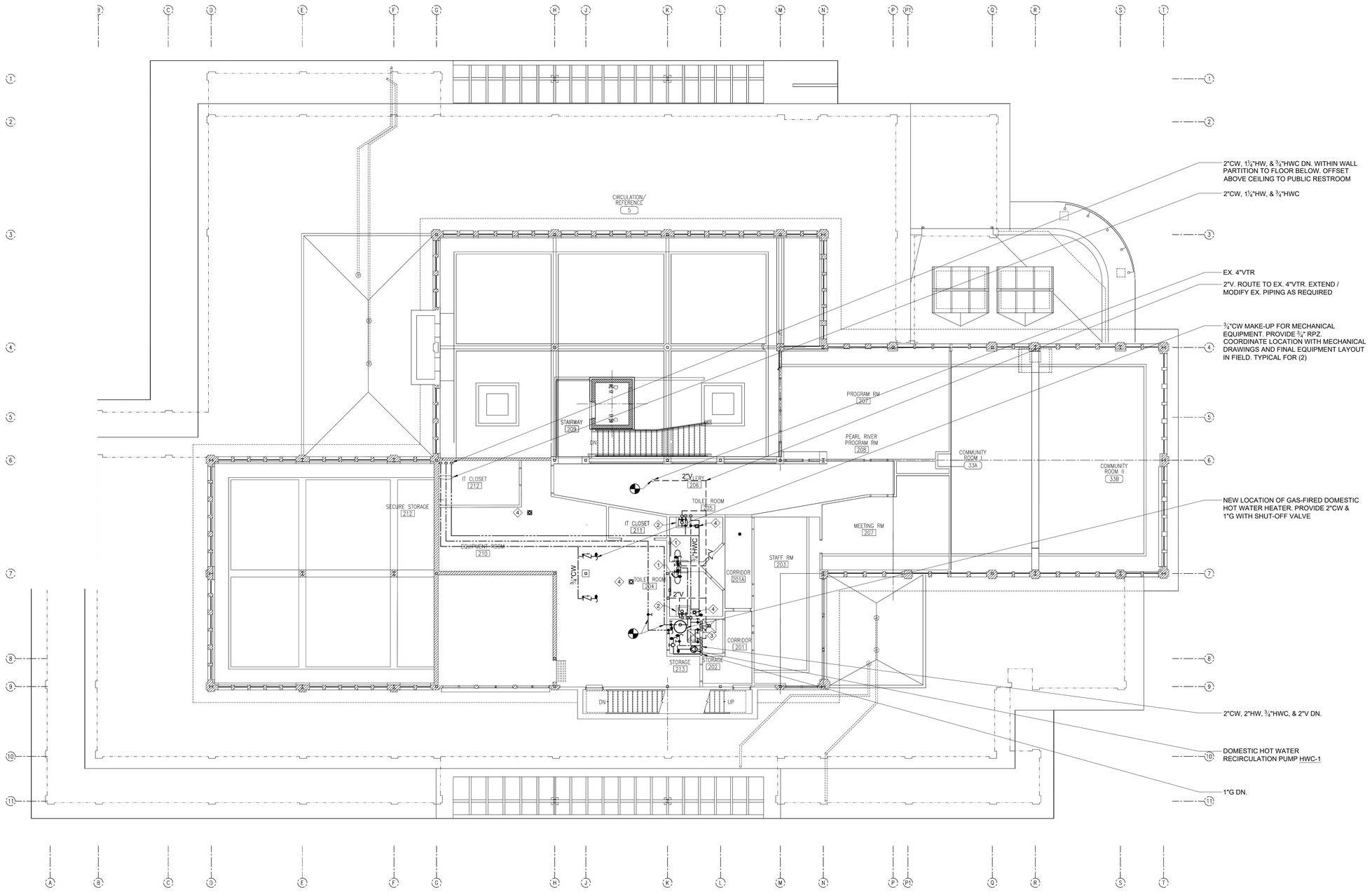
P-2.1

PLUMBING SCOPE OF WORK NOTES

1. PRIOR TO REMOVAL, ALL DRAINS, EXISTING TO REMAIN AND EXISTING TO BE REPLACED, SHALL BE INSPECTED AND VIDEO SCOPED TO DETERMINE CONDITION AND DRAIN FUNCTIONALITY.
2. THE DRAIN PIPES FROM ALL ROOF DRAINS TO BE REPLACED UP TO THE FIRST ELBOW. PROVIDE ACCESS OPENINGS TO INSTALL DRAIN PIPES AND ELBOW. FOR LOCATIONS COORDINATE WITH ARCHITECTURAL DRAWINGS. DO NOT REMOVE ANY CEILING HANGERS. ANY DAMAGED HANGERS SHALL BE REPLACED IN-KIND BEFORE APPLICATION OF FINISHES.
3. CLEAN AND CLEAR ALL LEADERS OF ANY OBSTRUCTIONS UP TO THE HOUSE TRAPS AND TEST BEFORE AND AFTER INSTALLATION OF ROOF DRAINS.
4. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL PERFORM A ROOF FLOOD TEST.

PLUMBING KEY NOTES

1. TOILET P-1. PROVIDE 1½"CW, 4"S, & 2"V FROM EXISTING ACTIVE MAINS. EXTEND/MODIFY EXISTING PIPING AS REQUIRED. PROVIDE SHUT-OFF VALVE. TYPICAL
2. LAV P-2. PROVIDE ¾"CW, ¾"HW, 2"W, & 2"V FROM EXISTING ACTIVE MAINS. EXTEND/MODIFY EXISTING PIPING AS REQUIRED. PROVIDE SHUT-OFF VALVE. ROUTE ¾" HWC PIPING DOWN TO LAV HW
3. JANITOR SINK P-4. PROVIDE ¾"CW, ¾"HW, 2"W, & 2"V FROM EXISTING ACTIVE MAINS. EXTEND/MODIFY EXISTING PIPING AS REQUIRED. PROVIDE SHUT-OFF VALVE. TYPICAL
4. FLOOR DRAIN FD. PROVIDE 3"W, & 2"V FROM EXISTING ACTIVE MAINS. EXTEND/MODIFY EXISTING PIPING AS REQUIRED. TYPICAL



1 PLUMBING SECOND FLOOR NEW WORK PLAN
SCALE: 1/8" = 1'0"

NORTH

NOTES:
1. ALL NEW AND EXISTING TOILET ROOM AREAS SHALL BE PROVIDED WITH HOT WATER RECIRCULATION SYSTEM.
2. PROVIDE HWC VALVE ASSEMBLY AT ALL CONNECTIONS TO HW. REFER TO DETAIL #2 ON DWG P7.1.

one eighth inch = one foot 1/8" = 1'0"

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

PLUMBING SECOND FLOOR NEW WORK PLAN

PROJECT NO.: 2578-02 SCALE: AS NOTED

DRAWING NO.:

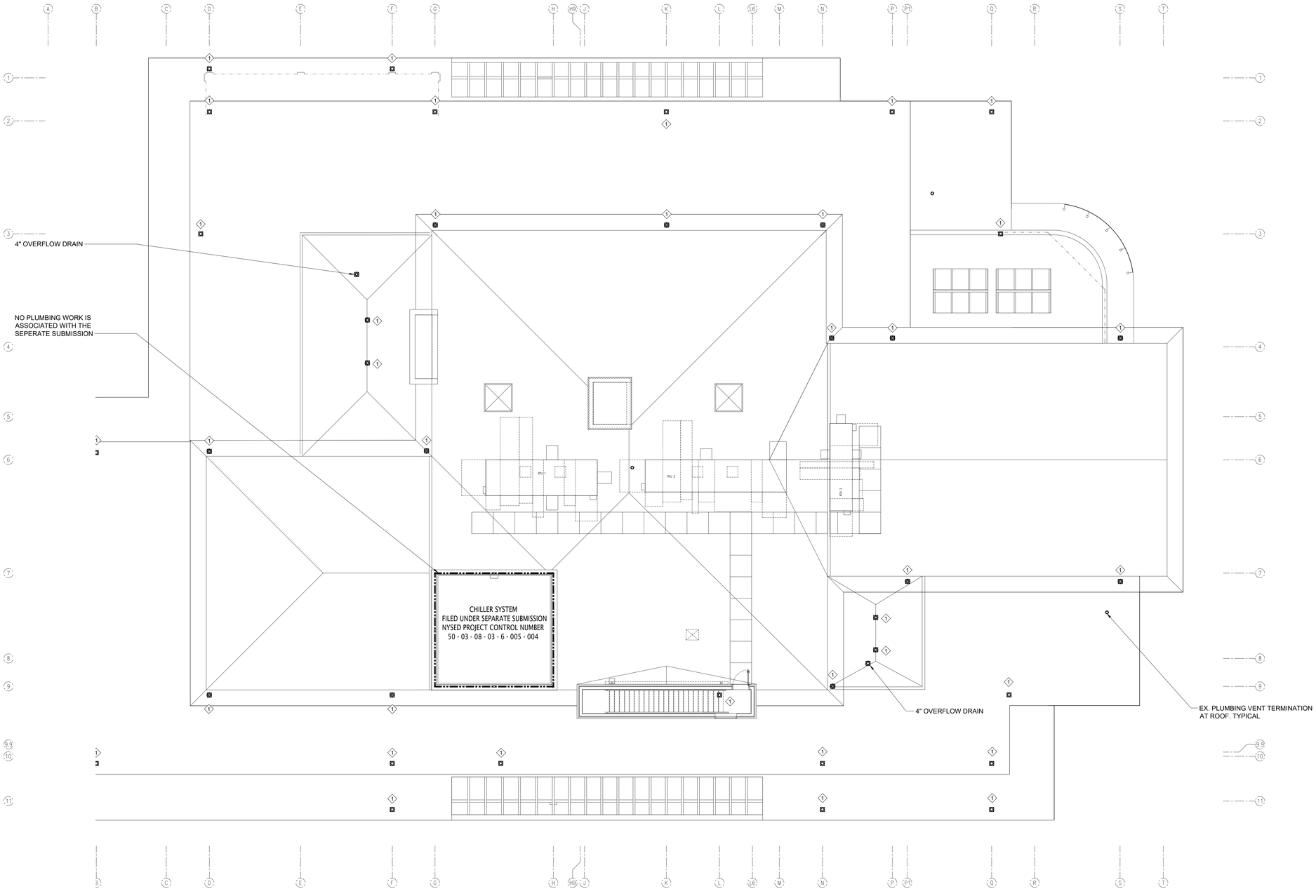
P-2.2

PLUMBING SCOPE OF WORK NOTES

1. PRIOR TO REMOVAL, ALL DRAINS, EXISTING TO REMAIN AND EXISTING TO BE REPLACED, SHALL BE INSPECTED AND VIDEO SCOPED TO DETERMINE CONDITION AND DRAIN FUNCTIONALITY.
2. THE DRAIN PIPES FROM ALL ROOF DRAINS TO BE REPLACED UP TO THE FIRST ELBOW. PROVIDE ACCESS OPENINGS TO INSTALL DRAIN PIPES AND ELBOW. FOR LOCATIONS COORDINATE WITH ARCHITECTURAL DRAWINGS. DO NOT REMOVE ANY CEILING HANGERS. ANY DAMAGED HANGERS SHALL BE REPLACED IN-KIND BEFORE APPLICATION OF FINISHES.
3. CLEAN AND CLEAR ALL LEADERS OF ANY OBSTRUCTIONS UP TO THE HOUSE TRAPS AND TEST BEFORE AND AFTER INSTALLATION OF ROOF DRAINS.
4. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL PERFORM A ROOF FLOOD TEST.

NEW WORK KEY NOTES

1. NEW ROOF DRAIN & ASSOCIATED STORM DRAIN PIPING. ROUTE NEW 4" STORM DRAIN & CONNECT TO EXISTING STORM DRAIN PIPING BELOW ROOF DECK. SEE ARCH DRAWINGS FOR TIE IN WITH ROOF SYSTEM. EXTEND/MODIFY AS REQUIRED. TYPICAL



NORTH

1 PLUMBING ROOF NEW WORK PLAN

SCALE: 1/8" = 1'0"

NOTES:
1. OVERFLOW DRAINAGE IS ACHIEVED THROUGH ARCHITECTURAL SCUPPERS AND OVER THE SIDES OF THE ROOF WITHOUT A PARAPET. TYPICAL UNLESS OTHERWISE NOTED.

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

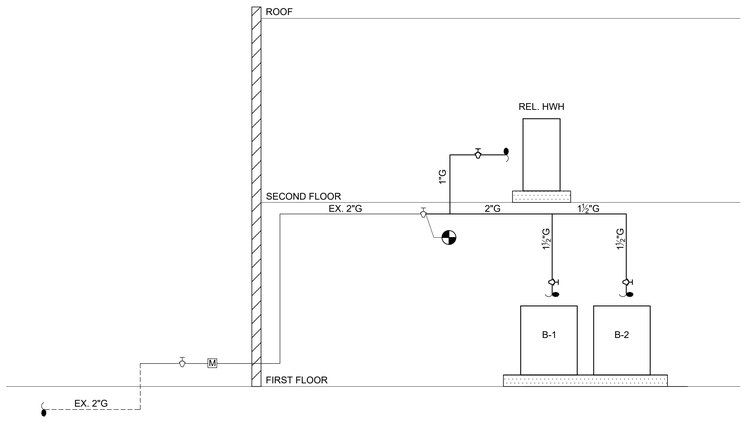
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

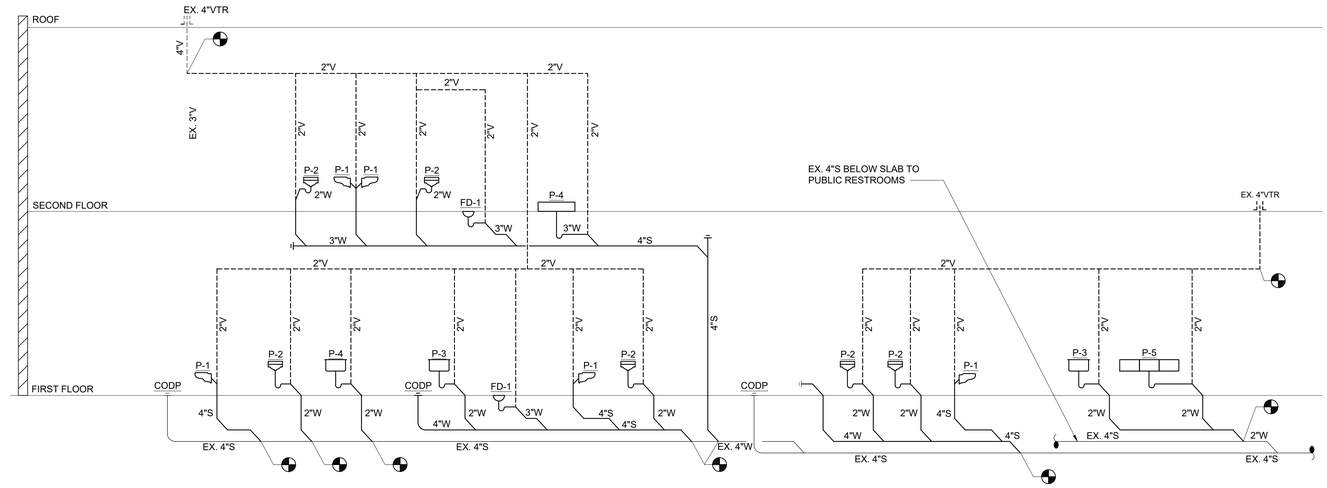
PLUMBING ROOF NEW WORK PLAN

PROJECT NO.: 2578-02
SCALE: AS NOTED

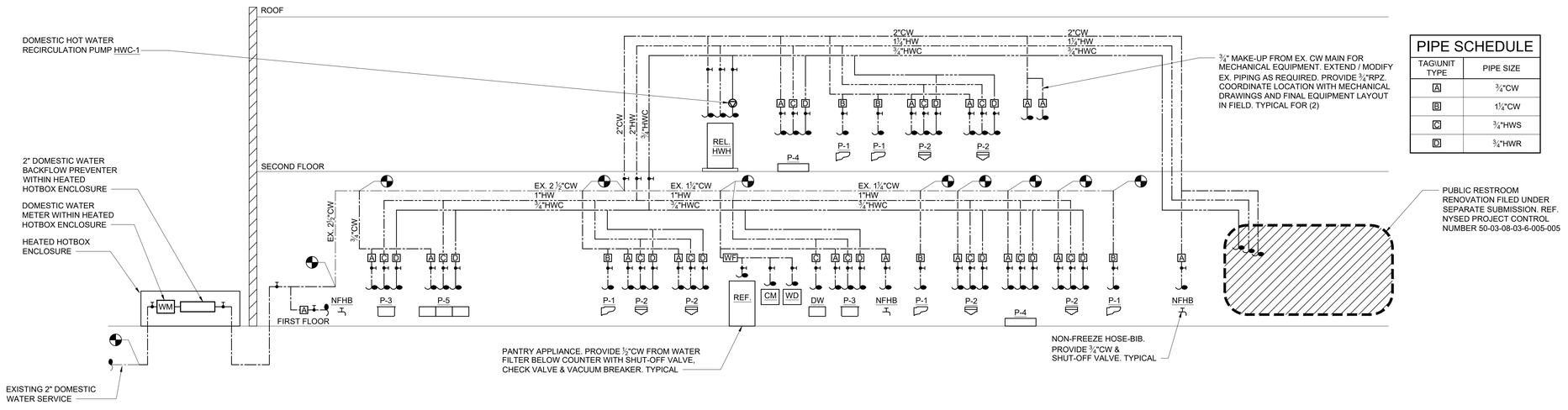
DRAWING NO.:
P-2.3



5 PLUMBING GAS RISER DIAGRAM
SCALE: NONE



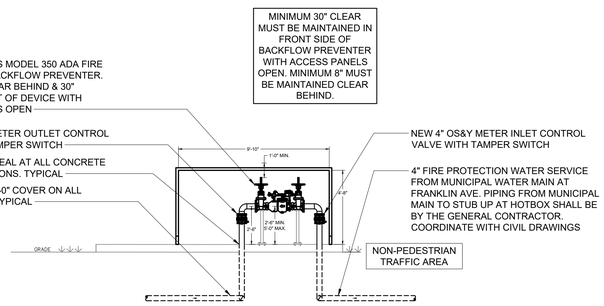
4 PLUMBING SANITARY RISER DIAGRAM
SCALE: NONE



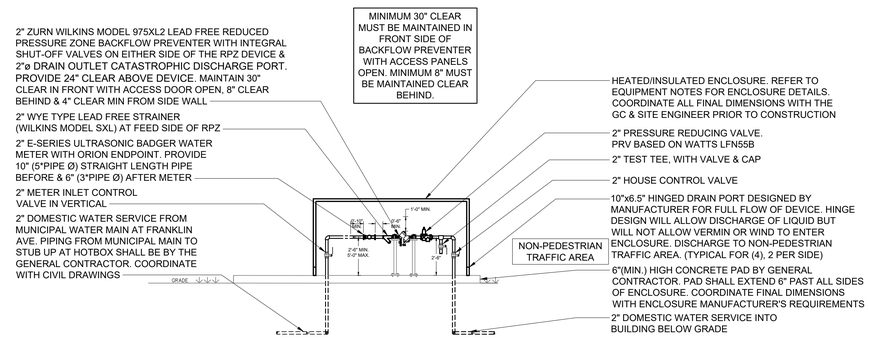
PIPE SCHEDULE	
TAG\UNIT TYPE	PIPE SIZE
A	¾"CW
B	1¼"CW
C	¾"HWS
D	¾"HWR

3 PLUMBING DOMESTIC WATER RISER DIAGRAM
SCALE: NONE

NOTES:
1. ALL NEW AND EXISTING TOILET ROOM AREAS SHALL BE PROVIDED WITH HOT WATER RECIRCULATION SYSTEM.
2. PROVIDE HWC VALVE ASSEMBLY AT ALL CONNECTIONS TO HW. REFER TO DETAIL #2 ON DWG P-7.1



2 ELEVATION B-B
SCALE: NONE



1 ELEVATION A-A
SCALE: NONE

NOTES:
1. ALL EXCAVATION WORK & TRENCHING SHALL BE PERFORMED BY THE GENERAL CONTRACTOR

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
7	12/20/24	ISSUED FOR NYSED PERMIT
6	11/22/24	CD PROGRESS REVIEW
5	09/26/24	CD PROGRESS REVIEW
4	06/05/24	ISSUED FOR NYSED SUBMISSION
3	05/30/24	PROGRESS REVIEW
2	05/15/24	95% REVIEW SET
1	04/30/24	PROGRESS REVIEW
	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY
80 Franklin Ave.
Pearl River, NY 10965

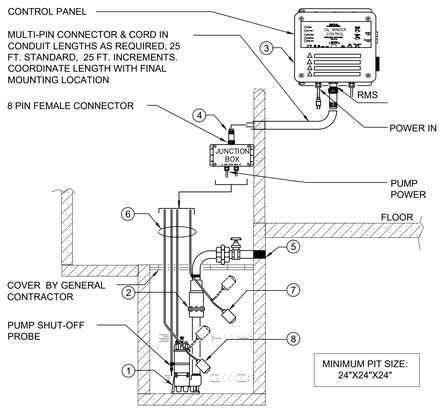
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

PLUMBING RISER DIAGRAM

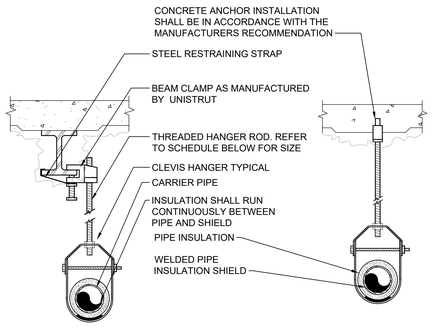
PROJECT NO.: 2578-02 | SCALE: AS NOTED

DRAWING NO.:
P-5.1



1. STANCOR SUBMERSIBLE EFFLUENT PUMP OR EQUAL, 2" DISCHARGE CONNECTION.
2. STANCOR CHECK VALVE OR EQUAL.
3. STANCOR OIL MINDER OR EQUAL, 115V, 1Ø CONTROL SYSTEM WITH OPTIONAL BUILT IN AUDIBLE AND VISUAL ALARM WHEN PUMP DOES NOT RUN DUE TO OIL IN PIT OR HIGH LIQUID ALARM. PROVIDE SILENCING BUTTON FOR AUDIBLE ALARM BUILT INTO PANEL. PANEL SHALL HAVE ADDITIONAL CONTACT FOR A REMOTE ALARM LOCATION. A JUNCTION BOX WILL BE PROVIDED WITH MULTI-PIN CONNECTOR & CORD IN LENGTHS AS REQUIRED, 25 FT. IS STANDARD, OPTIONAL 25 FT. INCREMENTS. LIGHTS FOR OIL SPILL, POWER,HIGH LIQUID LEVEL, OVERLOAD & PUMP RUN.
4. JUNCTION BOX WILL BE PROVIDED WITH MULTI-PIN CONNECTOR AND CORD IN LENGTHS AS REQUIRED; 25 FT. IS STANDARD, OPTIONAL 25 FT. INCREMENTS AVAILABLE.
5. ALL BURIED PUMP PRESSURE DISCHARGE PIPING SHALL BE PROTECTED WITH TAPECOAT CT CORROSION PROTECTION TAPE.
6. OIL MINDER CABLE, POWER CABLE, PROBE CABLE, HIGH LIQUID ALARM CABLE & PUMP ON FLOAT CABLE.
7. HIGH LIQUID ALARM FLOAT WITH CLAMP DEVICE TO MOUNT TO PUMP DISCHARGE PIPING.
8. PUMP ON FLOAT.
9. PROVIDE (2) 25 FT LENGTH MULTI-PIN CONNECTOR AND CORD FOR CONNECTION BETWEEN PUMP AND CONTROL PANEL.

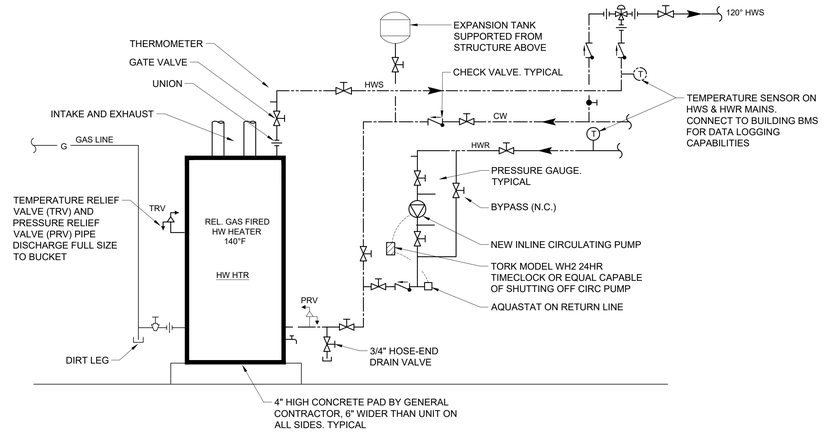
11 ELEVATOR SUMP PUMP DETAIL
SCALE: NONE



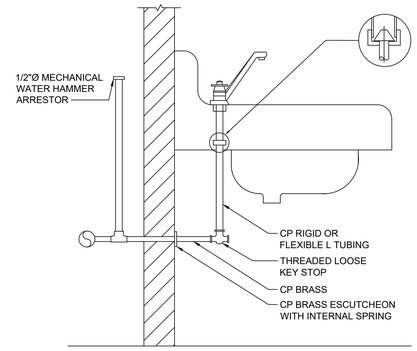
PIPE HANGER SCHEDULE					
PIPE DIA.	3/4"-2"	2 1/2"-3"	4"-5"	6"	8"-12"
HANGER DIA.	3/8"	1/2"	5/8"	3/4"	7/8"

NOTES:
1. CLEVIS HANGERS WITH WELDED INSULATION SHIELDS SIMILAR TO RAUCH FIG. 100SH ON ALL PIPES LARGER THAN 1".
2. FOR PIPES 1" OR SMALLER, A BAND HANGER WITH INSULATION SHIELD MAY BE USED SIMILAR TO RAUCH FIG. NO. 1ASH.
3. FOR NON-INSULATED PIPE, INSULATION SHIELDS MAY BE OMITTED.
4. ALL PIPE HANGERS SHALL BE GALVANIZED STEEL OR FACTORY PAINTED BLACK WITH ENAMEL.
5. FOR NON FERROUS PIPING WITHOUT INSULATION, ALL HANGERS SHALL BE COPPER PLATED OR FURNISHED WITH A DI-ELECTRIC BETWEEN PIPE AND HANGERS.
6. WHERE EXISTING BUILDING STRUCTURAL COMPONENTS HAVE FIREPROOF MATERIAL, ANY AREA THAT IS DISTURBED OR DAMAGED AS A RESULT OF HANGER INSTALLATION SHALL BE PATCHED WITH UL AND FM APPROVED FIREPROOFING TO MATCH EXISTING.
7. ALL ANCHORS AND INSERTS SHALL HAVE NEW YORK CITY BOARD OF STANDARD AND APPEALS, (BSA) APPROVAL.

10 PIPE HANGER DETAIL
SCALE: NONE

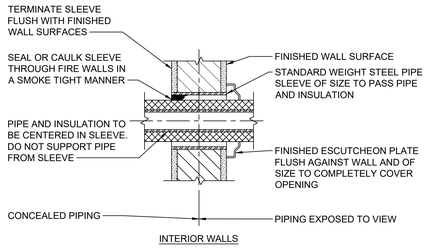


9 HOT WATER HEATER SCHEMATIC
SCALE: NONE

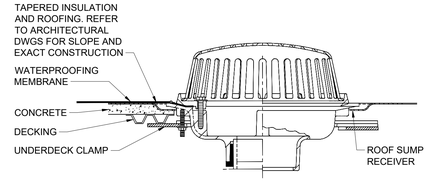


NOTE:
1. SIMILAR SUPPLY ARRANGEMENT TO OTHER FIXTURES.

4 SUPPLY LAVATORY SUPPLY CONNECTION
SCALE: NONE



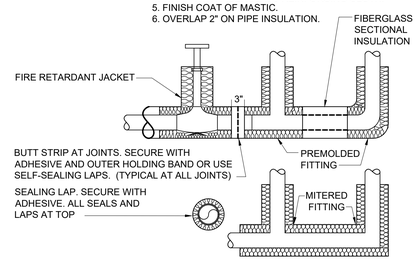
8 PIPE WALL SLEEVE DETAIL FOR INTERIOR WALLS
SCALE: NONE



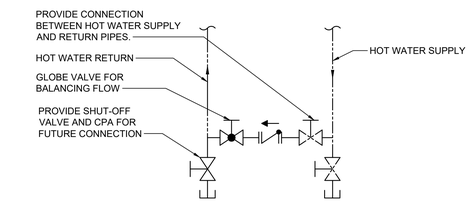
6 ROOF DRAIN DETAIL
SCALE: NONE

CONCEALED VALVES AND FITTINGS
1. WRAP WITH I" THICK, I LB. DENSITY TO REQUIRED PIPE INSULATION THICKNESS.
2. SECURE WITH WIRE OR TAPE.
3. VAPOR SEAL COLD WATER AND STORM WATER PIPING.

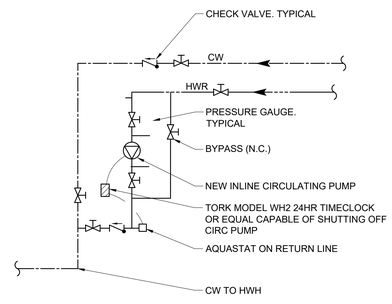
EXPOSED VALVES AND FITTINGS
1. PREMOLDED FIBERGLASS OR RADIAL MITERED PIPE INSULATION.
2. SKIM COAT OF INSULATING CEMENT.
3. COAT OF MASTIC
4. WRAP WITH FIBERGLASS REINFORCING CLOTH.
5. FINISH COAT OF MASTIC.
6. OVERLAP 2" ON PIPE INSULATION.



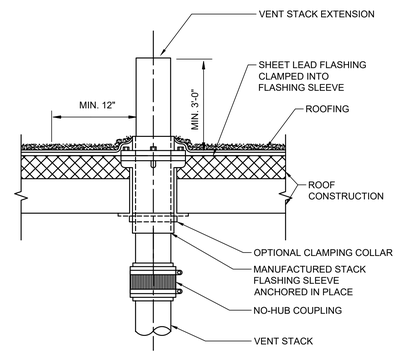
3 PIPE INSULATION DETAIL
SCALE: NONE



2 HOT WATER RECIRC CONNECTION DETAIL
SCALE: NONE

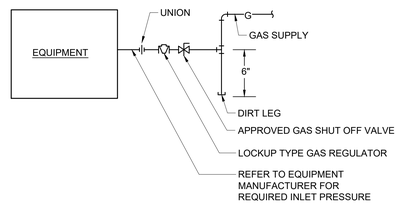


7 HOT WATER RECURCULATION SCHEMATIC
SCALE: NONE



NOTE:
1. VENT STACK OUTLET TO BE 10 FT.(MIN) FROM ANY WALL OR STRUCTURE OR 3 FT.ABOVE STRUCTURE

5 VENT THRU ROOF
SCALE: NONE



1 EQUIPTMENT GAS CONNECTION SCHEMATIC
SCALE: NONE

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
7	12/20/24	ISSUED FOR NYSED PERMIT
6	11/22/24	CD PROGRESS REVIEW
5	09/26/24	CD PROGRESS REVIEW
4	06/05/24	ISSUED FOR NYSED SUBMISSION
3	05/30/24	PROGRESS REVIEW
2	05/15/24	95% REVIEW SET
1	04/30/24	PROGRESS REVIEW
ISSUE NO.		DESCRIPTION

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY
80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

PLUMBING DETAILS

PROJECT NO.:	2578-02	SCALE:	AS NOTED

DRAWING NO.:
P-7.1

one eighth inch = one foot
0 4 8 16

SYMBOL & ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION
-	AC-	AIR CONDITIONING UNIT
-	ACC-	AIR COOLED CONDENSING UNIT
-	AD	ACCESS DOOR
-	AFF	ABOVE FINISHED FLOOR
-	AHC	ABOVE HUNG CEILING
-	AHU-	AIR HANDLING UNIT
-	AP	ACCESS PANEL
-	BDD	BACKDRAFT DAMPER
-	BHP	BRAKE HORSEPOWER
-	BTU	BRITISH THERMAL UNIT
-	CFM	CUBIC FEET PER MINUTE
-	CH-	CABINET HEATER
-		CENTERLINE
-	CP-	CONDENSATE PUMP
-	DEM	DEMOLISH
-	DB	DRY BULB TEMPERATURE
-	DIA. OR Ø	DIAMETER
-	DX	DIRECT EXPANSION
-	EA	EXHAUST AIR
-	EAT	ENTERING AIR TEMPERATURE
-	EF-	EXHAUST FAN
-	EL	ELEVATION
-	ER	EXHAUST REGISTER
-	ERW	ENERGY RECOVERY WHEEL
-	ESP	EXTERNAL STATIC PRESSURE
-	EWT	ENTERING WATER TEMPERATURE
-	FCU-	FAN COIL UNIT
-	FPM	FEET PER MINUTE
-	FPS	FEET PER SECOND
-	FTR	FINNED TUBE RADIATION
-	GPM	GALLONS PER MINUTE
-	HP	HORSE POWER
-	HV-	HEATING AND VENTILATING UNIT
-	HVAC-	HEATING, VENTILATING AND AIR CONDITIONING UNIT
-	KX-	KITCHEN EXHAUST
-	LAT	LEAVING AIR TEMPERATURE
-	LF	LINEAR FEET
-	LWT	LEAVING WATER TEMPERATURE
-	MBH	1000 BRITISH THERMAL UNITS PER HOUR
-	MER	MECHANICAL EQUIPMENT ROOM
-	NC	NORMALLY CLOSED
-	NIC	NOT IN CONTRACT
-	NO	NORMALLY OPEN
-	OAI	OUTSIDE AIR INTAKE
-	PSI	POUNDS PER SQUARE INCH
-	RA	RETURN AIR
-	RF-	RETURN FAN
-	RPM	REVOLUTIONS PER MINUTE
-	RTU-	ROOFTOP UNIT
-	SA	SUPPLY AIR
-	SP	STATIC PRESSURE
-	TD	TRANSFER DUCT
-	TDH	TOTAL DYNAMIC HEAD
-	TF-	TRANSFER FAN
-	TSP	TOTAL STATIC PRESSURE
-	TYP.	TYPICAL
-	U.O.N.	UNLESS OTHERWISE NOTED
-	UV-	UNIT VENTILATOR
-	WB	WET BULB TEMPERATURE
-	WG	INCHES OF WATER GAUGE
-	WMS	WIRE MESH SCREEN
-	WB	WET BULB TEMPERATURE
-	WG	INCHES OF WATER GAUGE
	-	3-WAY VALVE
	-	FLEXIBLE CONNECTION
	-	2-WAY VALVE
	-	PLUG VALVE
	-	LOCK SHIELD VALVE
	-	GATE VALVE
	-	GLOBE VALVE
	-	TEE DOWN
	-	ELBOW DOWN

SYMBOL	ABBREVIATION	DESCRIPTION
	-	TEE UP
	-	ELBOW UP
	-	CONCENTRIC REDUCER
	-	ECCENTRIC REDUCER
	-	OS&Y GATE VALVE
	-	PIPE GUIDE
	-	PIPE ANCHOR
	-	STRAINER
	-	BASKET STRAINER
	-	PRESSURE REDUCING
	-	BUTTERFLY
	-	BALANCING VALVE
	-	MANUAL AIR VENT
	-	AUTO AIR VENT
	-	SOLENOID VALVE
	-	MOTORIZED VALVE
	-	ANGLE GLOBE VALVE
	-	ANGLE GATE VALVE
	-	T&P RELIEF VALVE
	-	FILTER DRYER
	-	FILTER
	-	FLOAT AND THERMOSTATIC TRAP
	-	FLOAT TRAP
	-	BALL VALVE
	-	PRESSURE GAGE
	-	TERMOMETER
	-	CHECK VALVE
	-	UNION
	EX.	EXISTING TO REMAIN
	REL.	REMOVE AND RELOCATE
	NEW	NEW WORK
	DEM.	EXISTING TO BE REMOVED
CA	-	COMPRESSED AIR
CHWS	-	CHILLED WATER SUPPLY
CHWR	-	CHILLED WATER RETURN
CWS	-	CONDENSER WATER SUPPLY
CWR	-	CONDENSER WATER RETURN
D	-	DRAIN
V	-	VACUUM LINE
FOS	-	FUEL OIL SUPPLY
FOR	-	FUEL OIL RETURN
FOV	-	FUEL OIL VENT
DS	-	DIESEL SUPPLY
DR	-	DIESEL RETURN
GLS	-	GLYCOL SUPPLY
GLR	-	GLYCOL RETURN
HPS	-	HIGH PRESSURE STEAM SUPPLY
HPR	-	HIGH PRESSURE STEAM RETURN
MPS	-	MEDIUM PRESSURE STEAM SUPPLY
MPR	-	MEDIUM PRESSURE STEAM RETURN
LPS	-	LOW PRESSURE STEAM SUPPLY
LPR	-	LOW PRESSURE STEAM RETURN
HWS	-	HOT WATER SUPPLY
HWR	-	HOT WATER RETURN
PD	-	PUMP DISCHARGE, CONDENSATE
RL	-	REFRIGERANT LIQUID
RS	-	REFRIGERANT SUCTION
HG	-	REFRIGERANT HOT GAS
	-	CO_2 SENSOR
	-	COMBINATION THERMOSTAT / CO_2 SENSOR
	-	HUMIDISTAT
M	-	MOTORIZED DAMPER
S	-	SMOKE DETECTOR
	-	DOOR UNDER CUT
	-	DOOR LOUVER
	-	AIR INTO REGISTER
S	-	SPEED CONTROLLER
	-	POINT OF CONNECTION DISCONNECTION
	-	FLOW DIRECTION

SYMBOL	ABBREVIATION	DESCRIPTION
	TR	TOP REGISTER SUPPLY
	TR	TOP REGISTER RETURN
	UH	UNIT HEATER
	CUH	CABINET UNIT HEATER
	P-1	PUMP
	SR	SUPPLY REGISTER
	CD	1-WAY
	CD	2-WAY
	CD	2-WAY
	CD	3-WAY
	CD	4-WAY
	CD	1-WAY
	CD	2-WAY
	CD	2-WAY
	CD	3-WAY
	CD	4-WAY
	CD	ROUND CEILING DIFFUSER
	LD	LINEAR DIFFUSER
	RR/RG	RETURN REGISTER/GRILLE
	VAV	VAV BOX
	VAV	VAV BOX WITH REHEAT
	CV	CONSTANT VOLUME BOX
	-	SUPPLY DUCT UP
	-	SUPPLY DUCT DOWN
	-	RETURN DUCT UP
	-	RETURN DUCT DOWN
	-	TRANSITION FROM SQUARE TO ROUND DUCT
	-	TRANSITION
D	-	DUCT DROP
R	-	DUCT RISE
	-	SQUARE VANED ELBOW
	-	DUCT RISE
	-	DUCT DROP
	–	DUCT TRANSITION
	–	ALUMINUM DUCT
	AL	ACOUSTIC LINING
	FD/AD	FIRE DAMPER W/ ACCESS DOOR
	SD/AD	SMOKE DAMPER W/ ACCESS DOOR
	CFSD	COMBINATION FIRE/SMOKE DAMPER W/ ACCESS DOOR
	VD	VOLUME DAMPER
	AL	ACOUSTIC LINING
6x8	–	DUCT SIZE - 1ST FIGURE IS SIDE SHOWN
	FC	FLEXIBLE CONNECTION
	–	ALUMINUM DUCT
SECT# / DWG#		SECTION CALLOUT
-	-	-
CONV.	-	HOT WATER CONVECTOR
CP 1	-	CONDENSATE PUMP
CV-A CFM	-	CONSTANT VOLUME BOX
EF 1	-	EXHAUST FAN
ER-A CFM	-	EXHAUST REGISTER
FCU 1	-	FAN COIL UNIT
FTR 1	-	FIN TUBE RADIATION
GX 1	-	GENERAL EXHAUST FAN
HV 1	-	HEATING & VENTILATING UNIT
HVAC 1	-	HEATING VENTILATING & AIR CONDITIONING UNIT
HX 1	-	HEAT EXCHANGER
KX 1	-	KITCHEN EXHAUST FAN
L 1	-	LOUVER
PTAC 1	-	PACKAGED TERMINAL AIR CONDITIONING UNIT
P 1	-	PUMP
PriHP 1	-	PRIMARY HOT WATER PUMP
RF 1	-	RETURN FAN
RH 1	-	REHEAT COIL
RHP A	-	RADIANT HEAT PANEL
RR-A CFM	-	RETURN REGISTER
SR-A CFM	-	SUPPLY REGISTER
TX 1	-	TOILET EXHAUST FAN
TR-A CFM	-	TOP REGISTER
UH A	-	UNIT HEATER
UV A	-	UNIT VENTILATOR
VAV-A CFM	-	VARIABLE AIR VOLUME BOX
-	-	-
-	-	-

one eighth inch = one foot

0 4 8 16

GENERAL NOTES

1. CONTRACT DRAWINGS, AS FAR AS THEY RELATE TO THE GENERAL ARRANGEMENT AND LOCATION OF EQUIPMENT, AND PIPING, SHALL BE UNDERSTOOD AS DIAGRAMMATIC. ANY CHANGES TO EQUIPMENT, AND PIPING LOCATIONS NECESSARY TO AVOID INTERFERENCE WITH OTHER TRADES SHALL BE MADE AT NO EXTRA COST, AND MUST BE APPROVED BY THE ENGINEER.
2. THE HVAC CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO THE BEGINNING OF WORK, AND SHALL COORDINATE ALL WORK WITH OTHER TRADES.
3. LOCATE THERMOSTATS AND TEMPERATURE SENSORS 5'-6" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. COORDINATE LOCATION WITH FURNITURE, CABINETS, ETC. & WITH ARCHITECTURAL DRAWINGS.
4. THE HVAC CONTRACTOR SHALL NOTE THAT, IN ADDITION TO THE SPECIFICATIONS AND DETAILS GIVEN IN THESE PLANS FOR PIPE HANGERS AND SUPPORTS, ALL HANGERS AND SUPPORTS SHALL BE DESIGNED AND INSTALLED IN COMPLIANCE WITH APPLICABLE SEISMIC CODES.
5. THE HVAC CONTRACTOR SHALL SUBMIT FOR REVIEW A COMPOSITE SHOP DRAWING, FULLY COORDINATED WITH ALL OTHER TRADES, PLUMBING AND SPRINKLER PIPING, SMOKE DETECTORS, LIGHTS, CONDUITS, SMOKE DETECTORS, ETC.
6. ALL HVAC WORK SHALL COMPLY WITH STATE BUILDING CODE, LOCAL BUILDING CODE, AND ENERGY CODE REQUIREMENTS. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.
7. WHEN GENERAL CONSTRUCTION IS COMPLETE OR WHEN DIRECTED BY OWNER'S REP, VACUUM CLEAN ALL HVAC EQUIPMENT. REMOVE ANY CONSTRUCTION DEBRIS. REPLACE ALL AIR FILTERS WITH NEW.
8. THE OWNER'S PERMANENT HVAC EQUIPMENT (EXISTING / NEW) SHALL NOT BE USED BY ANY CONTRACTOR DURING CONSTRUCTION FOR TEMPORARY HEATING, COOLING, VENTILATION, OR ANY OTHER PURPOSE. IF TEMPORARY HEATING, COOLING, VENTILATION, OR AIRFLOW IS REQUIRED AT ANY POINT DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE TEMPORARY HEATING, COOLING, OR VENTILATION EQUIPMENT, DUCTWORK, CONTROLS, AND POWER AT THEIR OWN EXPENSE.
9. WHERE EXISTING BUILDING STRUCTURAL COMPONENTS HAVE FIREPROOF MATERIAL, ANY AREA THAT IS DISTURBED OR DAMAGED AS A RESULT OF MECHANICAL WORK, INCLUDING THE INSTALLATION OF HANGERS FOR PIPING, DUCTWORK, OR EQUIPMENT, SHALL BE PATCHED WITH UL AND FM APPROVED FIREPROOFING TO MATCH EXISTING.
10. THE HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR PAYING RELATED FEES.
11. THE HVAC CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, CORE DRILLING, ACCESS PANELS, AND FINAL RESTORATION REQUIRED TO FACILITATE THE INSTALLATION CONTROL CONDUITS, AND PIPING, INCLUDING ABOVE CEILINGS AND IN SHAFTS THAT WILL NOT BE REPLACED OR OPENED UNDER ANY OTHER SCOPE OF WORK RELATED TO THIS PROJECT. THIS CONTRACTOR SHALL REMOVE AND REPLACE CEILINGS, AND OPEN AND PATCH SHAFTS AND WALLS, AS REQUIRED TO EXECUTE THE HVAC WORK.
12. ALL EQUIPMENT, MATERIALS, PRODUCTS, ETC., USED/INSTALLED ABOVE THE CEILING SHALL BE PLENUM RATED.
13. ALL EXCAVATION AND BACKFILL BY GENERAL CONTRACTOR ONLY.
14. ALL NEW THERMOSTATS LOCATED ON EXISTING COLUMNS SHALL BE INSTALLED WITH CONCEALED WIRING.

DEFINITION OF TERMS

1.) WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "OWNER" IS USED, IT MUST BE UNDERSTOOD THAT PEARL RIVER LIBRARY IS INTENDED.

2.) WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "ENGINEER" IS USED, IT MUST BE UNDERSTOOD THAT "OLA CONSULTING ENGINEERS" IS INTENDED.

3.) "WORK" MUST BE DEEMED TO CONSIST OF ALL LABOR AND OPERATIONS, TRANSPORTATION, HOISTING, MATERIALS, TOOLS, EQUIPMENT, SERVICES, INSPECTIONS, INVESTIGATIONS, COORDINATION AND SUPERVISION REQUIRED AND / OR REASONABLY NECESSARY TO PRODUCE THE CONSTRUCTION REQUIRED BY THE CONTRACT DOCUMENTS.

4.) "FURNISH" MEANS THE DESIGN, FABRICATION, PURCHASE AND DELIVERY TO THE JOB SITE.

5.) "INSTALL OR INSTALLATION" MEANS THE ACT OF PHYSICALLY PLACING, APPLYING, SETTING, ERECTING, ANCHORING, SECURING, ETC., CONSTRUCTION MATERIALS, EQUIPMENT, FURNISHINGS, APPLIANCES, AND SIMILAR ITEMS SPECIFIED AND FURNISHED AT THE JOB SITE. INSTALLATION OF SPECIFIED ITEMS MUST BE COMPLETE IN ALL RESPECTS.

6.) "PROVIDE" MEANS TO FURNISH AND INSTALL CONSTRUCTION MATERIAL, EQUIPMENT, ETC. AS DEFINED ABOVE.

7.) THE FOLLOWING ARE DEFINITIONS OF SHOP DRAWING STAMP ACTIONS:

A.) "NO EXCEPTIONS TAKEN" MEANS THAT THE SHOP DRAWING IS CORRECT AS TO PERFORMANCE, CAPACITY, ETC. AND SUBSTANTIAL CONFORMANCE TO THE CONTRACT DRAWINGS AND SPECIFICATIONS. FABRICATION AND/OR PURCHASE MAY COMMENCE.

B.) "MAKE CORRECTIONS NOTED" MEANS THAT THE SHOP DRAWING IS CORRECT AS TO PERFORMANCE, CAPACITY, ETC. AND SUBSTANTIAL CONFORMANCE TO THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS, SUBJECT TO AND IN COMPLIANCE WITH THE ANNOTATIONS AND/OR CORRECTIONS INDICATED ON THE SHOP DRAWING. FABRICATION AND/OR PURCHASE MAY COMMENCE.

C.) "AMEND AND RESUBMIT" MEANS THAT THE COMMENTS AND/OR CORRECTION ARE SO EXTENSIVE AND IMPORTANT THAT THE REVIEWER WANTS TO SEE HOW THE COMMENTS AND/OR CORRECTIONS ARE RESOLVED PRIOR TO RELEASE FOR FABRICATION AND/OR PURCHASE. FABRICATIONS AND/OR PURCHASE MAY NOT COMMENCE.

D.) "REJECTED" MEANS THAT THE SHOP DRAWING DOES NOT COMPLY OR CONFORM TO THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS. FABRICATION AND/OR PURCHASE MAY NOT COMMENCE.

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

MECHANICAL SYMBOLS & ABBREVIATIONS

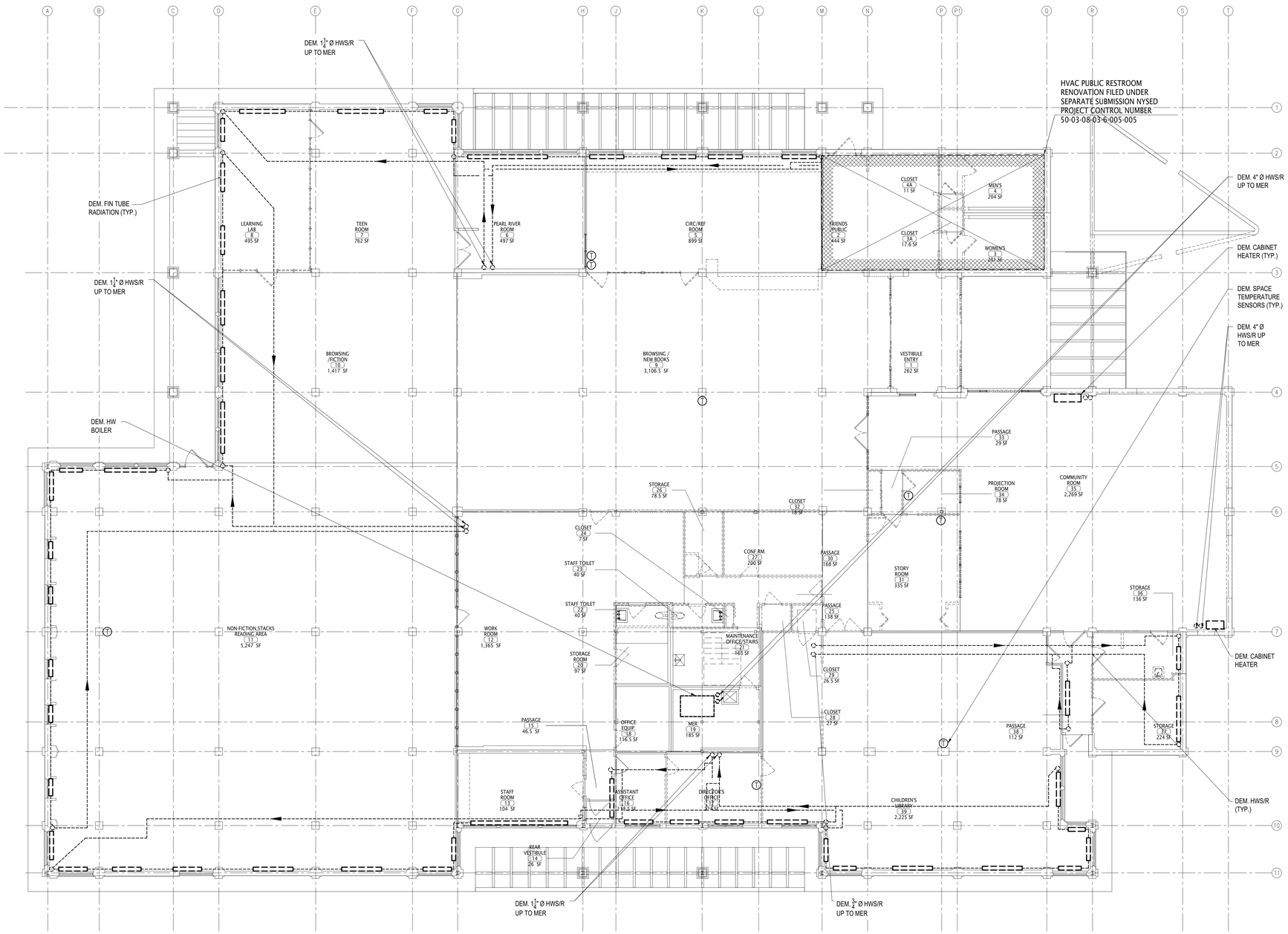
PROJECT NO.: 2578-02 | SCALE: AS NOTED

DRAWING NO.:

M-0.1

HVAC DEMOLITION SCOPE OF WORK NOTES

1. HVAC CONTRACTOR TO DISCONNECT ALL EQUIPMENT. GENERAL CONTRACTOR TO DEMOLISH/ REMOVE ALL EXISTING EQUIPMENT, DUCTWORK, INSULATION, AND DIFFUSERS UNLESS OTHERWISE NOTED.
2. GENERAL CONTRACTOR TO DEMOLISH ALL EXISTING SOFFITS UNLESS OTHERWISE NOTED.



1 MECHANICAL FIRST FLOOR PIPING DEMOLITION PLAN
SCALE: 1/8" = 1'0"

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

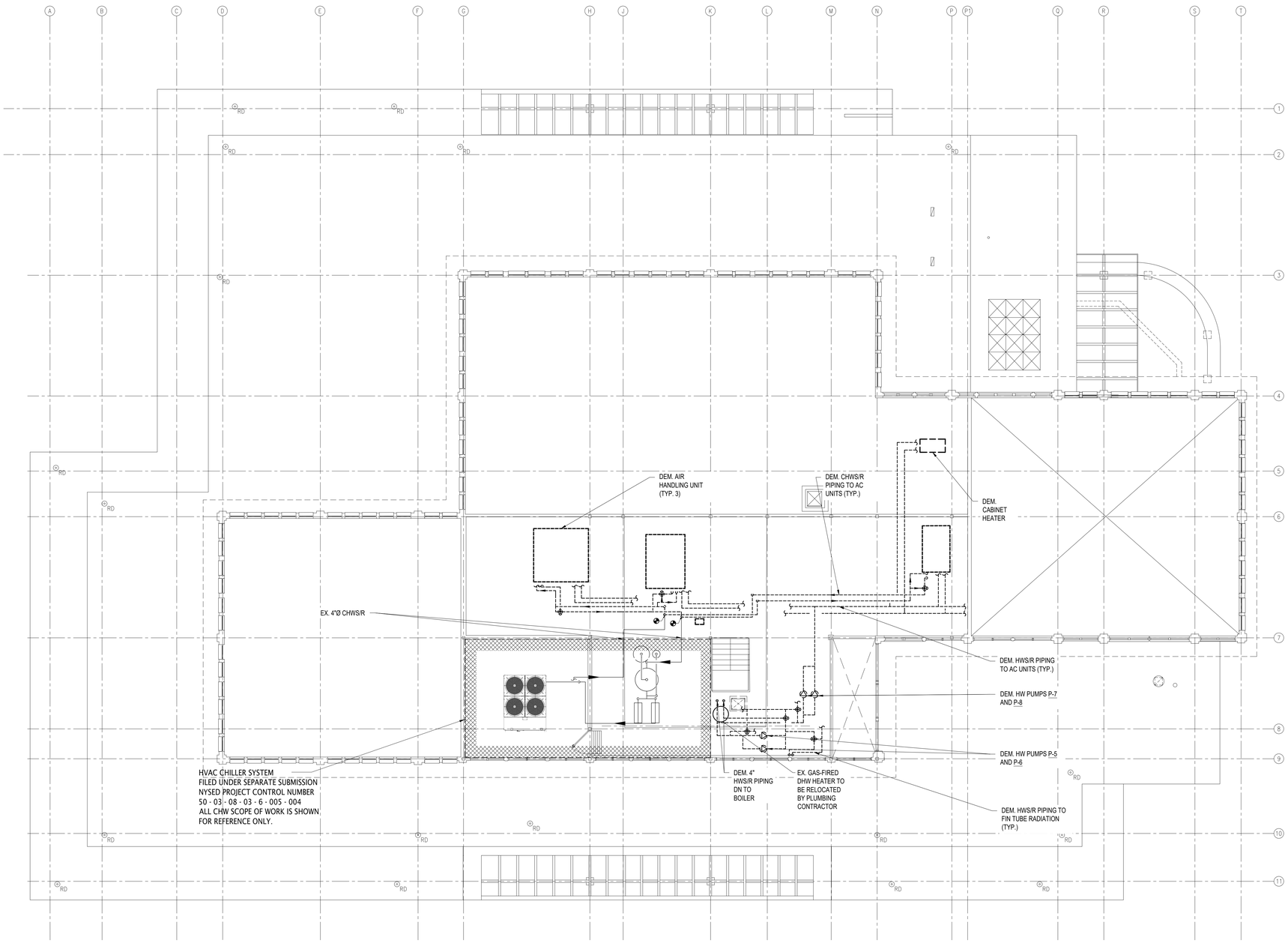
MECHANICAL FIRST FLOOR PIPING DEMOLITION PLAN

PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:
M-1.1

HVAC DEMOLITION SCOPE OF WORK NOTES

1. HVAC CONTRACTOR TO DISCONNECT ALL EQUIPMENT. GENERAL CONTRACTOR TO DEMOLISH/ REMOVE ALL EXISTING EQUIPMENT, DUCTWORK, INSULATION, AND DIFFUSERS UNLESS OTHERWISE NOTED.



1 MECHANICAL SECOND FLOOR PIPING DEMOLITION PLAN
SCALE: 1/8" = 1'0"

NORTH

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
7	12/20/24	ISSUED FOR NYSED PERMIT
6	11/22/24	CD PROGRESS REVIEW
5	09/26/24	CD PROGRESS REVIEW
4	06/05/24	ISSUED FOR NYSED SUBMISSION
3	05/30/24	PROGRESS REVIEW
2	05/15/24	95% REVIEW SET
1	04/30/24	PROGRESS REVIEW
	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

MECHANICAL SECOND FLOOR PIPING DEMOLITION PLAN

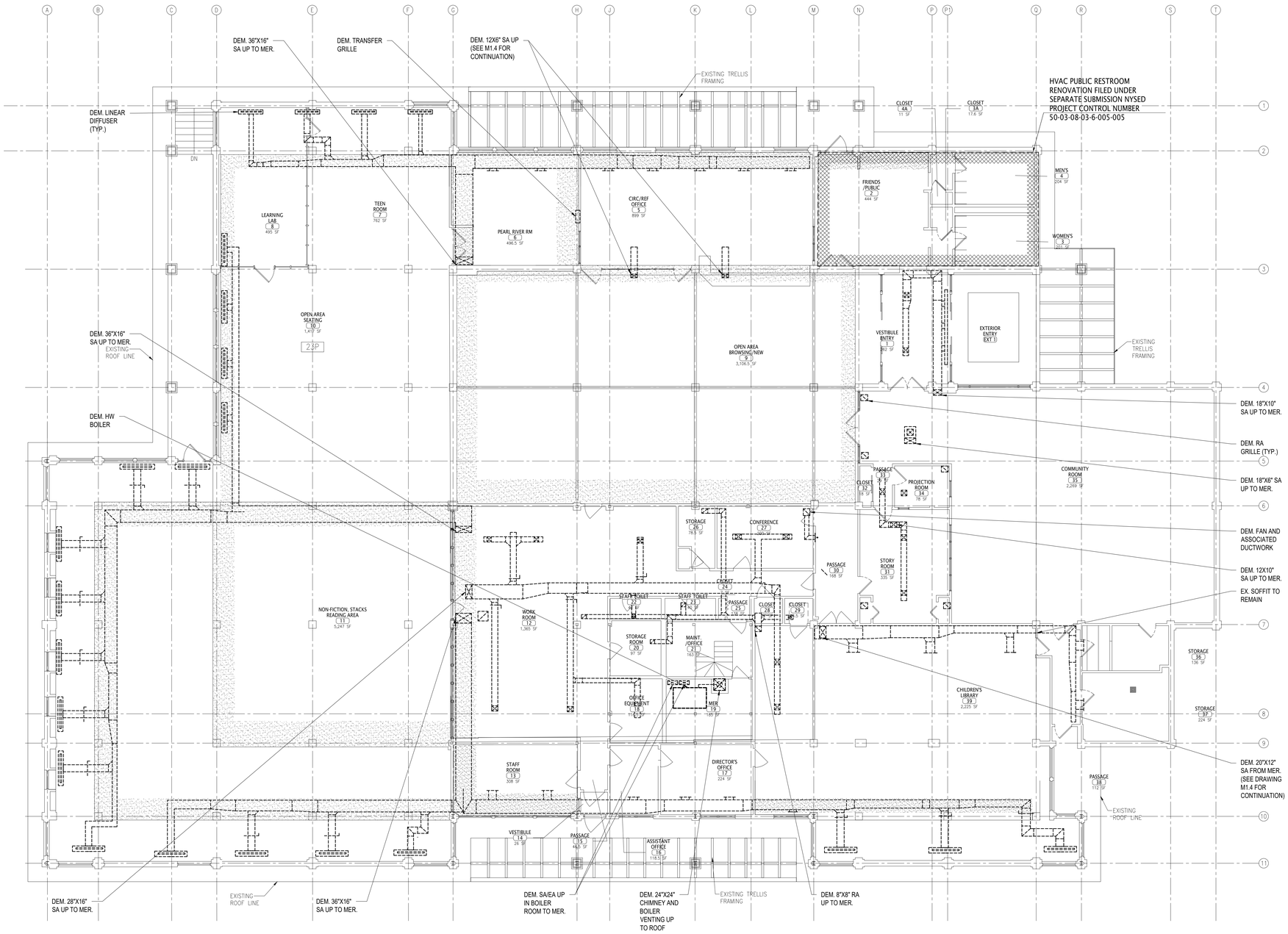
PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:

M-1.2

HVAC DEMOLITION SCOPE OF WORK NOTES

1. HVAC CONTRACTOR TO DISCONNECT ALL EQUIPMENT. GENERAL CONTRACTOR TO DEMOLISH/ REMOVE ALL EXISTING EQUIPMENT, DUCTWORK, INSULATION, AND DIFFUSERS UNLESS OTHERWISE NOTED.
2. GENERAL CONTRACTOR TO DEMOLISH ALL EXISTING SOFFITS UNLESS OTHERWISE NOTED



1 MECHANICAL FIRST FLOOR DUCTWORK DEMOLITION PLAN
SCALE: 1/8" = 1'0"
NORTH

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

MECHANICAL FIRST FLOOR DUCTWORK DEMOLITION PLAN

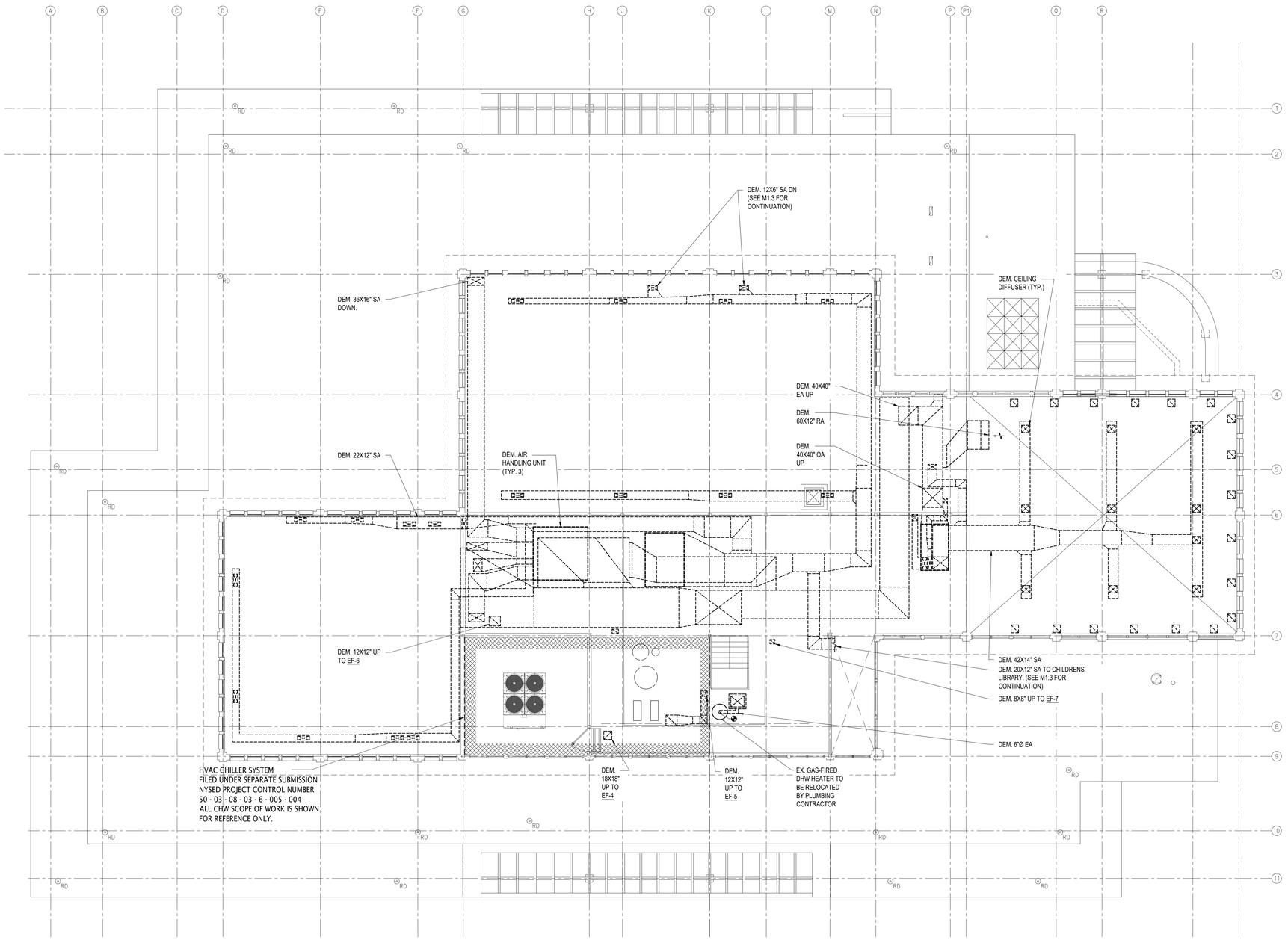
PROJECT NO.: 2578-02 | SCALE: AS NOTED

DRAWING NO.:

M-1.3

HVAC DEMOLITION SCOPE OF WORK NOTES

1. HVAC CONTRACTOR TO DISCONNECT ALL EQUIPMENT. GENERAL CONTRACTOR TO DEMOLISH/ REMOVE ALL EXISTING EQUIPMENT, DUCTWORK, INSULATION, AND DIFFUSERS UNLESS OTHERWISE NOTED.



1 MECHANICAL SECOND FLOOR DUCTWORK DEMOLITION PLAN
SCALE: 1/8" = 1'0"
NORTH

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

MECHANICAL SECOND FLOOR DUCTWORK DEMOLITION PLAN

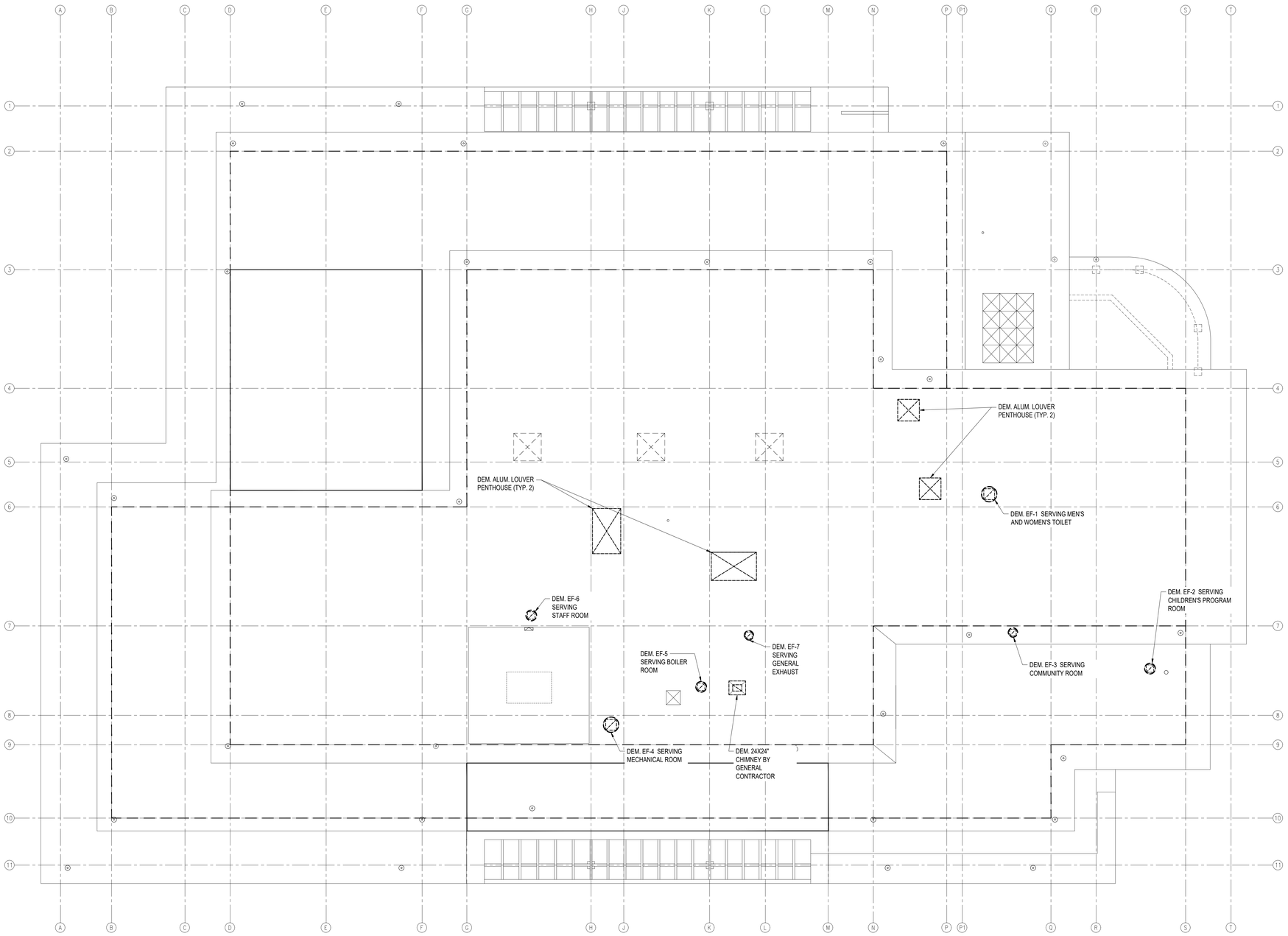
PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:

M-1.4

HVAC DEMOLITION SCOPE OF WORK NOTES

1. HVAC CONTRACTOR TO DISCONNECT ALL EQUIPMENT. GENERAL CONTRACTOR TO DEMOLISH/ REMOVE ALL EXISTING EQUIPMENT, DUCTWORK, INSULATION, AND DIFFUSERS UNLESS OTHERWISE NOTED.
2. GENERAL CONTRACTOR TO PATCH ROOF DECK WHERE EQUIPMENT IS REMOVED.



1 MECHANICAL ROOF DEMOLITION PLAN
SCALE: 1/8" = 1'0"

NORTH

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

MECHANICAL ROOF DEMOLTION PLAN

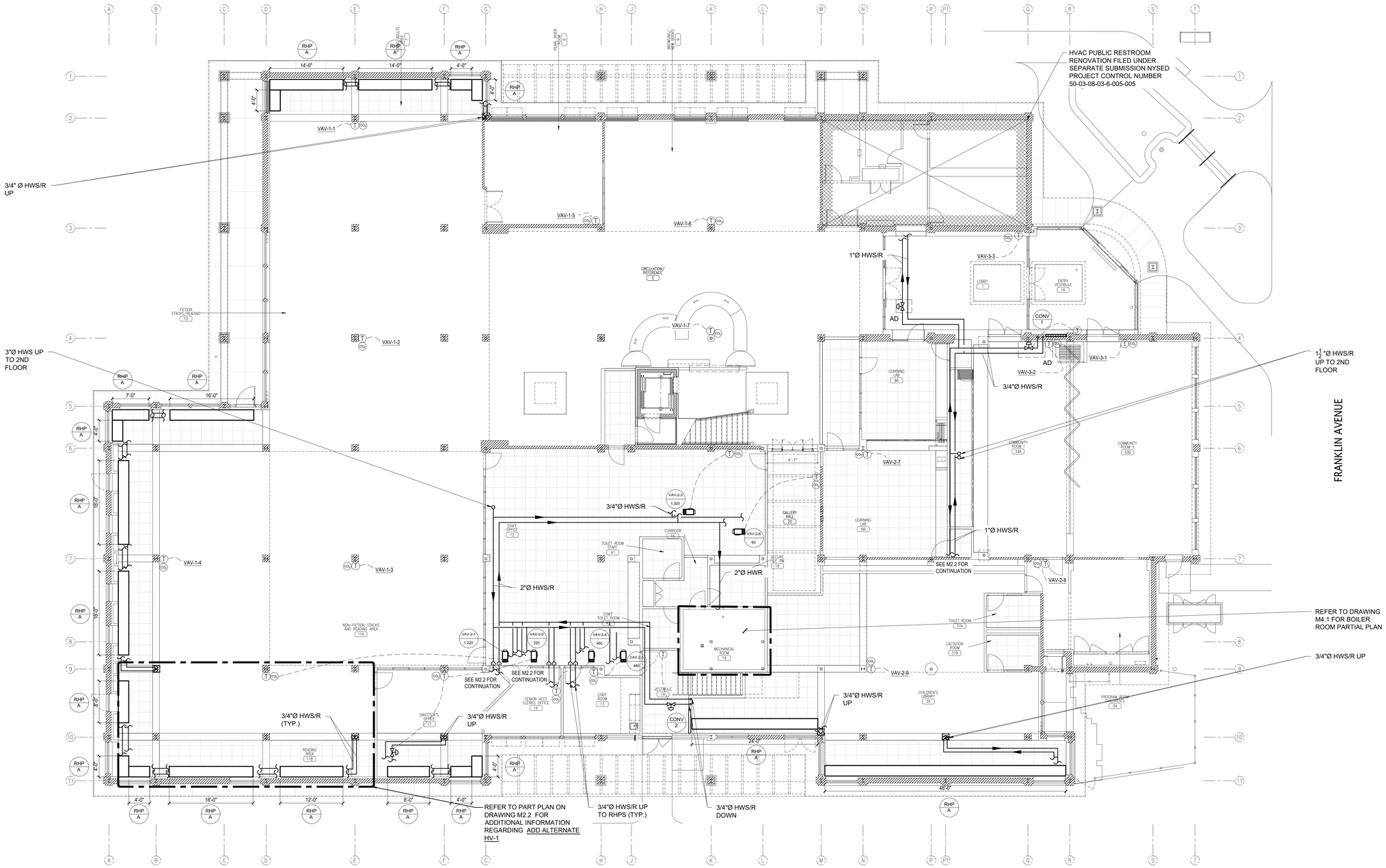
PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:

M-1.5

LEGEND:
(T) = COMBINATION TEMPERATURE/CO_2 SENSOR
(DA) = REDUNDANT CO_2 SENSOR

SCOPE OF WORK NOTES:
1.) ALL NEW THERMOSTATS LOCATED ON EXISTING COLUMNS SHALL BE INSTALLED WITH CONCEALED WIRING.



1 MECHANICAL FIRST FLOOR PIPING NEW WORK PARTIAL PLAN
SCALE: 1/8" = 1'0"
NORTH

one eighth inch = one foot 1/8" = 1'0"

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

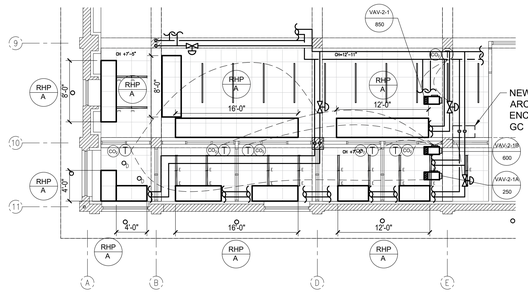
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

MECHANICAL FIRST FLOOR NEW WORK PIPING PARTIAL PLAN

PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:

M-2.1



ADD-ALTERNATE HV-1 SCOPE OF WORK:
1.) PROVIDE NEW VAV'S 2-2A AND 2-2B. BALANCE VAV-2-1 TO 850 CFM.
2.) PROVIDE NEW HW PIPING TO VAV-2-1A AND VAV-2-1B.
3.) PROVIDE NEW ARCHITECTURAL ENCLOSURE FOR HW PIPING AND DUCTWORK TO VAV-2-1A AND VAV-2-1B AS NEEDED.
4.) PROVIDE NEW SPACE TEMPERATURE SENSORS FOR VAV-2-2A AND VAV-2-2B.

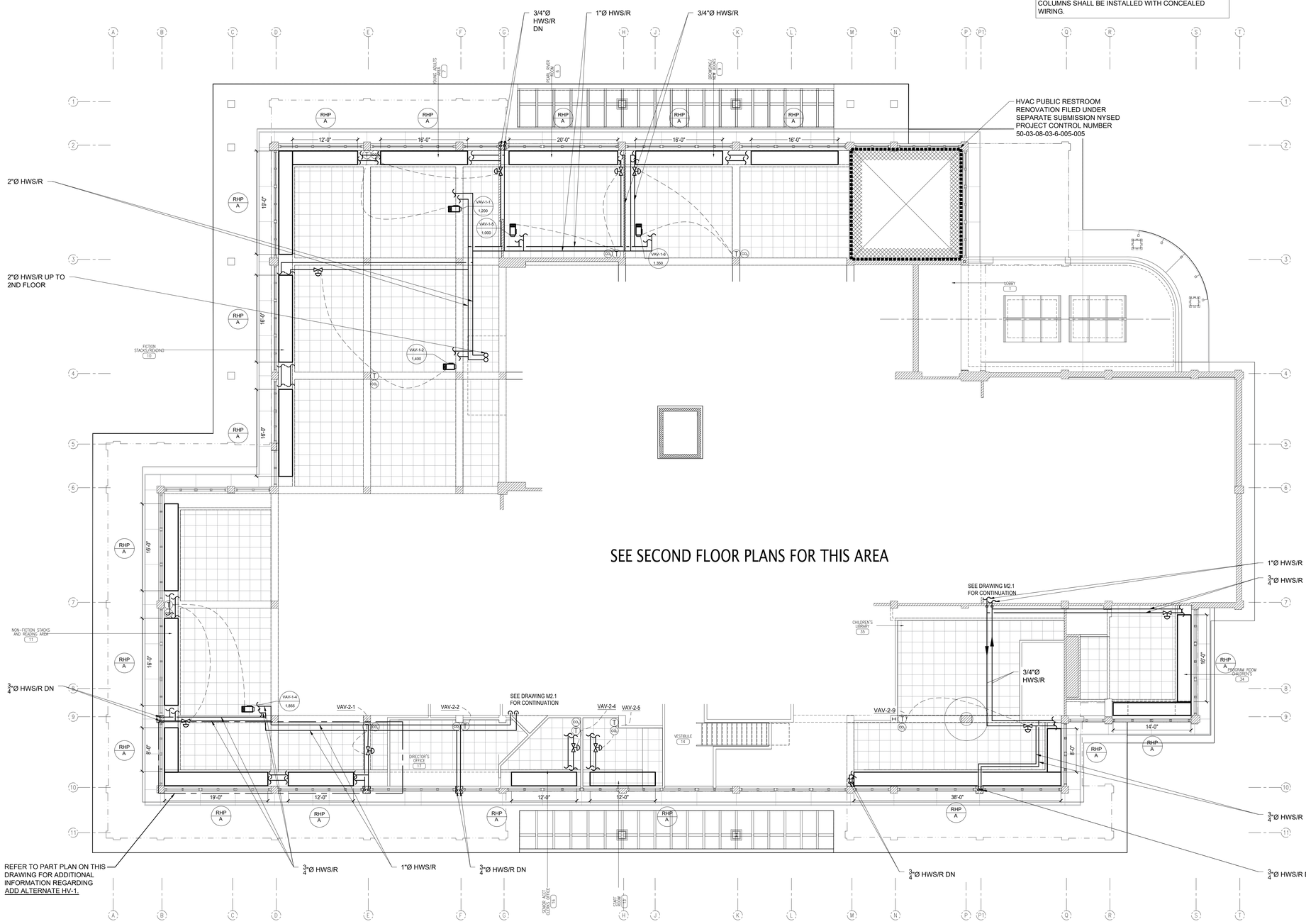
2 MECHANICAL FIRST FLOOR PIPING NEW WORK ADD ALTERNATE HV-1 PART PLAN

SCALE: 1/8" = 1'0"

NORTH

LEGEND:
(T) = COMBINATION TEMPERATURE/CO_2 SENSOR
(CO$_2$) = REDUNDANT CO_2 SENSOR

SCOPE OF WORK NOTES:
1.) ALL NEW THERMOSTATS LOCATED ON EXISTING COLUMNS SHALL BE INSTALLED WITH CONCEALED WIRING.



1 MECHANICAL FIRST FLOOR CLERESTORY PIPING NEW WORK PARTIAL PLAN

SCALE: 1/8" = 1'0"

NORTH

one eighth inch = one foot 0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

MECHANICAL FIRST FLOOR CLERESTORY PIPING NEW WORK PARTIAL PLAN

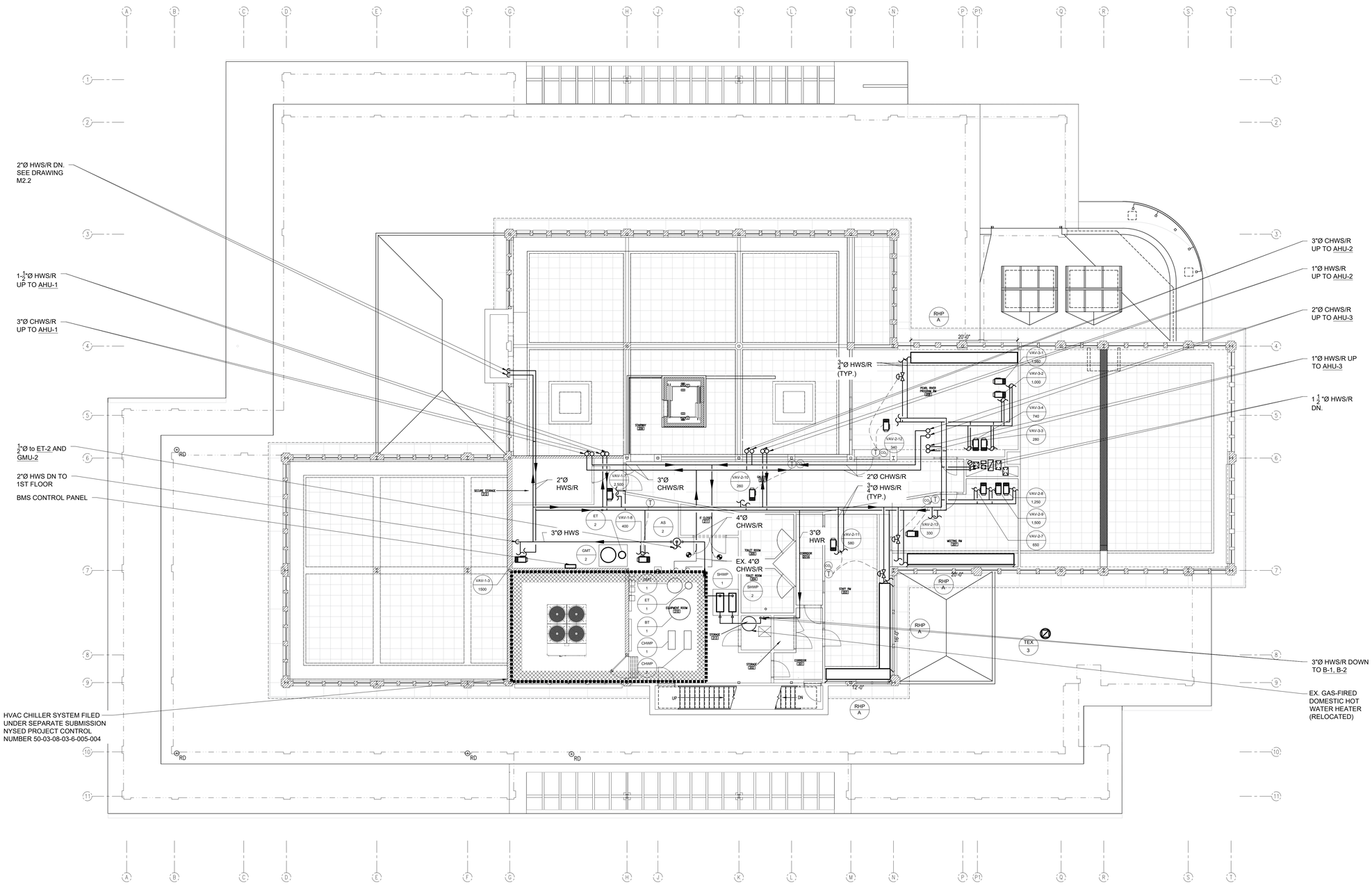
PROJECT NO.: 2578-02 | SCALE: AS NOTED

DRAWING NO.:

M-2.2

LEGEND:
(T) = COMBINATION TEMPERATURE/CO_2 SENSOR
(CO2) = REDUNDANT CO_2 SENSOR

SCOPE OF WORK NOTES:
1.) ALL NEW THERMOSTATS LOCATED ON EXISTING COLUMNS SHALL BE INSTALLED WITH CONCEALED WIRING.



1 MECHANICAL SECOND FLOOR PIPING NEW WORK PARTIAL PLAN
SCALE: 1/8" = 1'0"
NORTH

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
7	12/20/24	ISSUED FOR NYSED PERMIT
6	11/22/24	CD PROGRESS REVIEW
5	09/26/24	CD PROGRESS REVIEW
4	05/30/24	ISSUED FOR NYSED SUBMISSION
3	05/15/24	PROGRESS REVIEW
2	04/30/24	95% REVIEW SET
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

MECHANICAL SECOND FLOOR PIPING NEW WORK PARTIAL PLAN

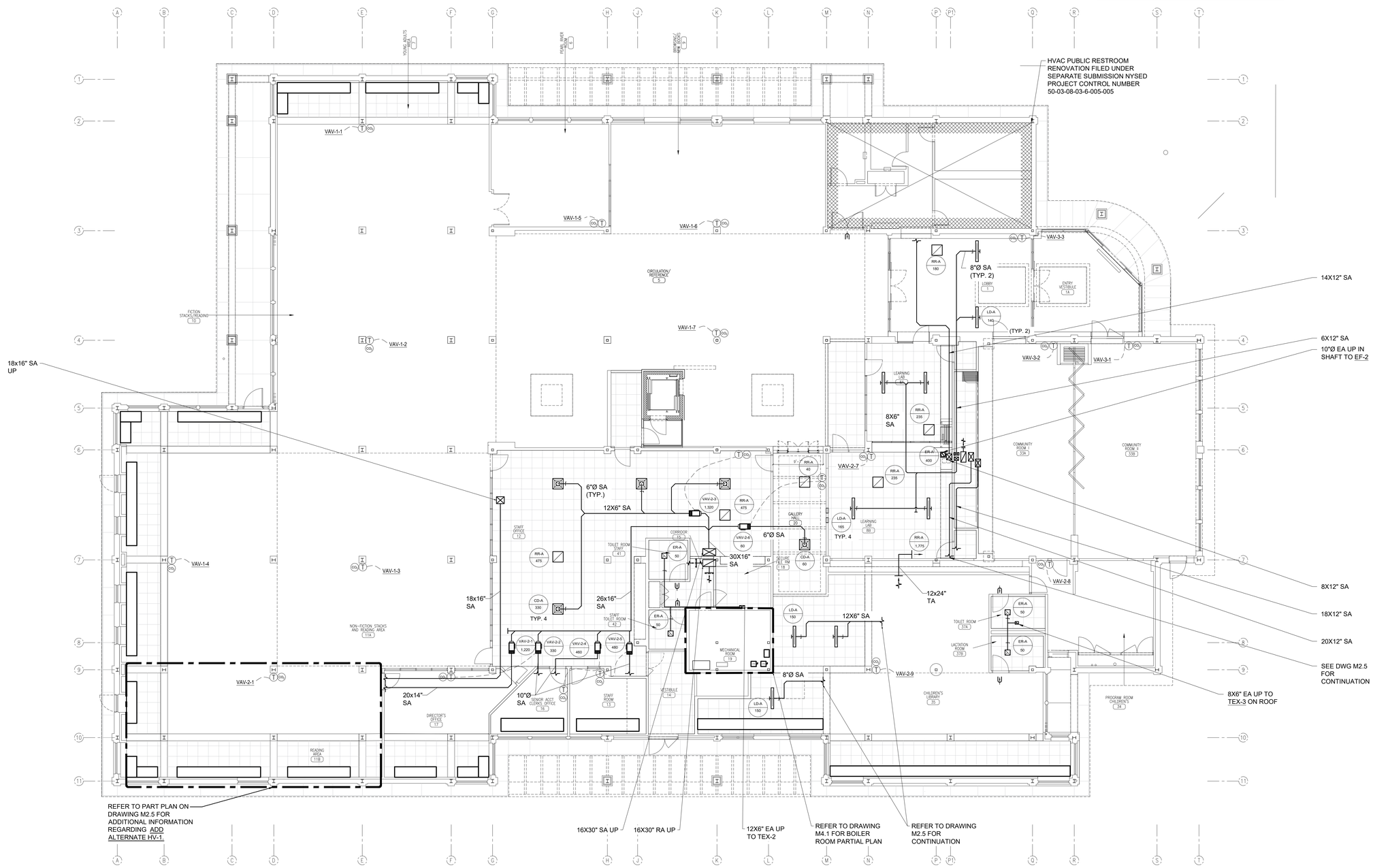
PROJECT NO.:	2578-02	SCALE:	AS NOTED

DRAWING NO.:

M-2.3

LEGEND:
(T) = COMBINATION TEMPERATURE/CO_2 SENSOR
(COL) = REDUNDANT CO_2 SENSOR

SCOPE OF WORK NOTES:
1.) ALL NEW THERMOSTATS LOCATED ON EXISTING COLUMNS SHALL BE INSTALLED WITH CONCEALED WIRING.



1 MECHANICAL FIRST FLOOR DUCTWORK NEW WORK PARTIAL PLAN
SCALE: 1/8" = 1'0"

one eighth inch = one foot
0 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

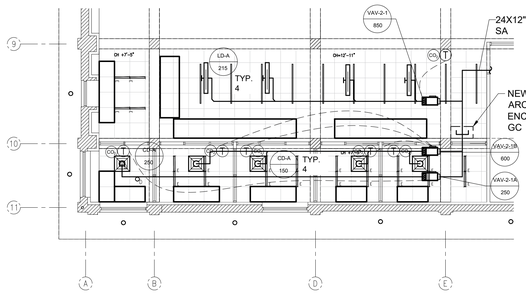
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

MECHANICAL FIRST FLOOR DUCTWORK NEW WORK PARTIAL PLAN

PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:

M-2.4



ADD-ALTERNATE HV-1 SCOPE OF WORK:
1.) PROVIDE NEW VAV'S 2-2A AND 2-2B. BALANCE VAV-2-1 TO 850 CFM.
2.) PROVIDE NEW HW PIPING TO VAV-2-1A AND VAV-2-1B.
3.) PROVIDE NEW ARCHITECTURAL ENCLOSURE FOR HW PIPING AND DUCTWORK TO VAV-2-1A AND VAV-2-1B AS NEEDED.
4.) PROVIDE NEW SPACE TEMPERATURE SENSORS FOR VAV-2-2A AND VAV-2-2B.

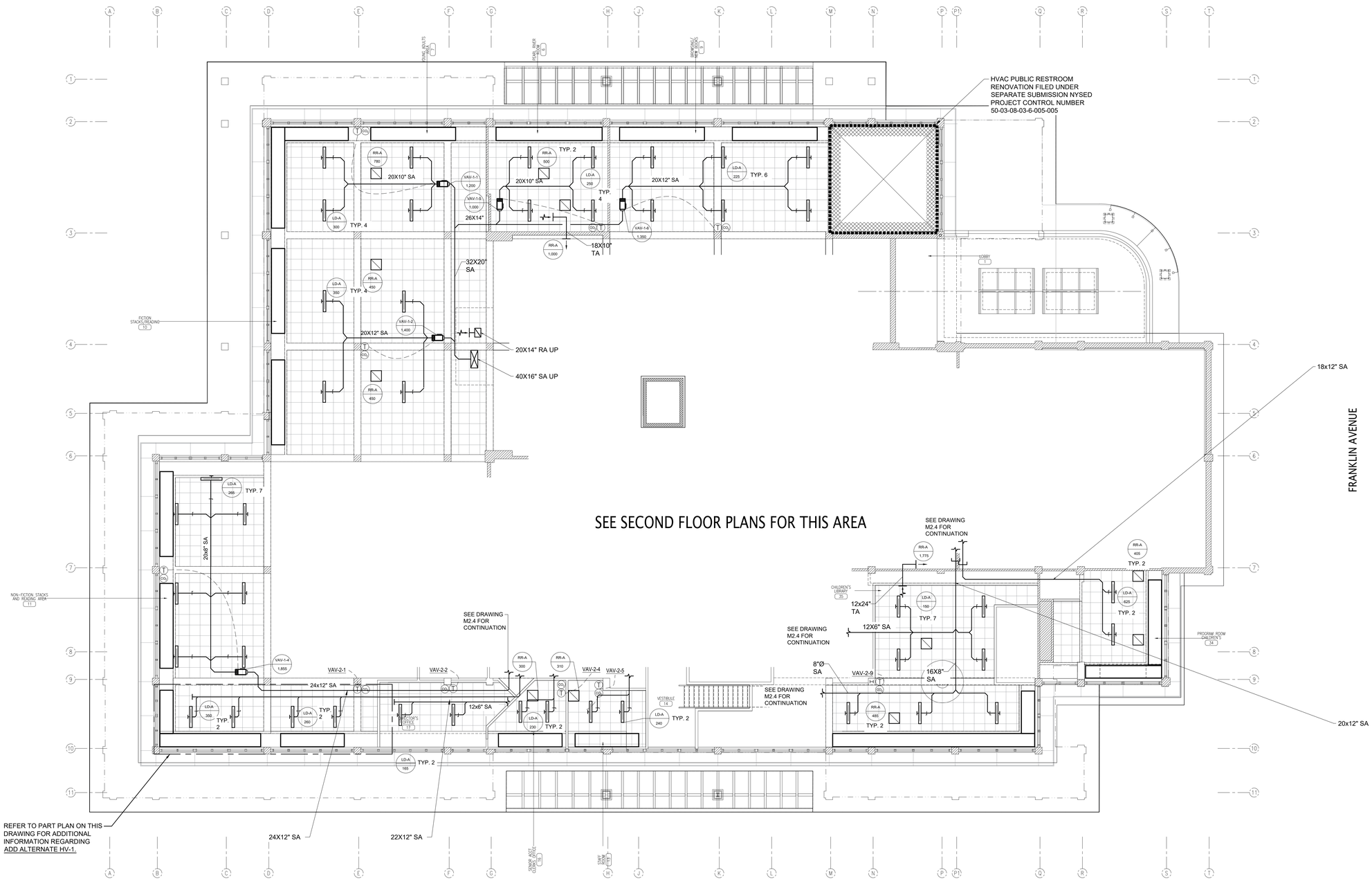
2 MECHANICAL FIRST FLOOR DUCTWORK NEW WORK ADD ALTERNATE HV-1 PART PLAN

SCALE: 1/8" = 1'0"

NORTH

LEGEND:
(T) = COMBINATION TEMPERATURE/CO_2 SENSOR
(CO_2) = REDUNDANT CO_2 SENSOR

SCOPE OF WORK NOTES:
1.) ALL NEW THERMOSTATS LOCATED ON EXISTING COLUMNS SHALL BE INSTALLED WITH CONCEALED WIRING.



1 MECHANICAL FIRST FLOOR CLERESTORY DUCTWORK NEW WORK PARTIAL PLAN

SCALE: 1/8" = 1'0"

NORTH

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

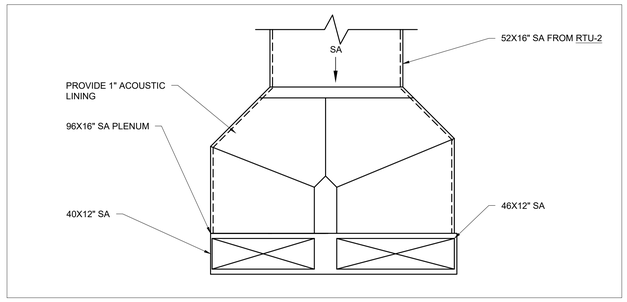
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

MECHANICAL FIRST FLOOR CLERESTORY DUCTWORK NEW WORK PARTIAL PLAN

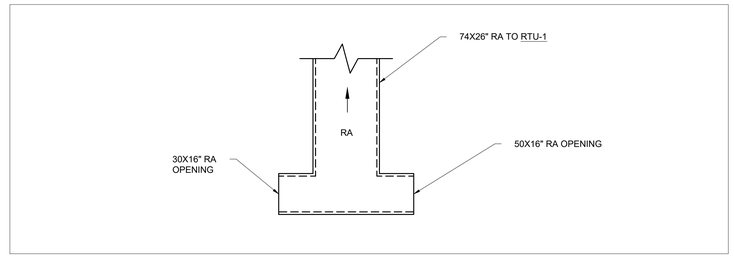
PROJECT NO.: 2578-02 | SCALE: AS NOTED

DRAWING NO.:

M-2.5



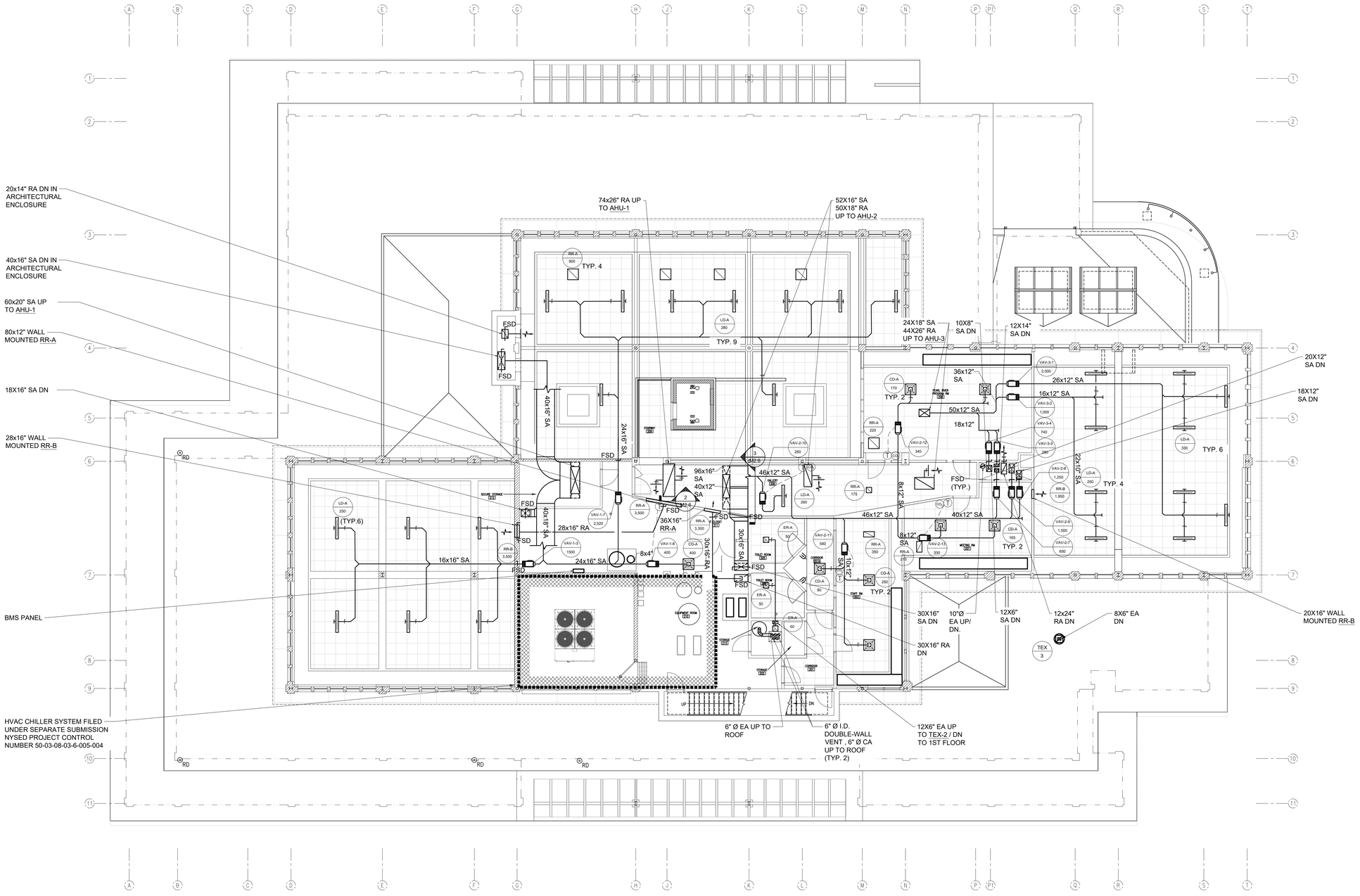
3 AHU-2 SECTION VIEW
SCALE: 1/2" = 1'0"



2 MECHANICAL SECTION VIEW (AHU-1 RA)
SCALE: 1/2" = 1'0"

LEGEND:
(T) = COMBINATION TEMPERATURE/CO_2 SENSOR
(CO$_2$) = REDUNDANT CO_2 SENSOR

SCOPE OF WORK NOTES:
1.) CONTRACTOR TO PROVIDE 1" INTERNAL ACOUSTICAL LINING ON ALL DUCTWORK WITHIN 20' OF AHU.
2.) CONTRACTOR TO PROVIDE FIRE SMOKE DAMPERS WHERE INDICATED.
3.) ALL NEW THERMOSTATS LOCATED ON EXISTING COLUMNS SHALL BE INSTALLED WITH CONCEALED WIRING.



1 MECHANICAL SECOND FLOOR DUCTWORK NEW WORK PARTIAL PLAN
SCALE: 1/8" = 1'0"
NORTH

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

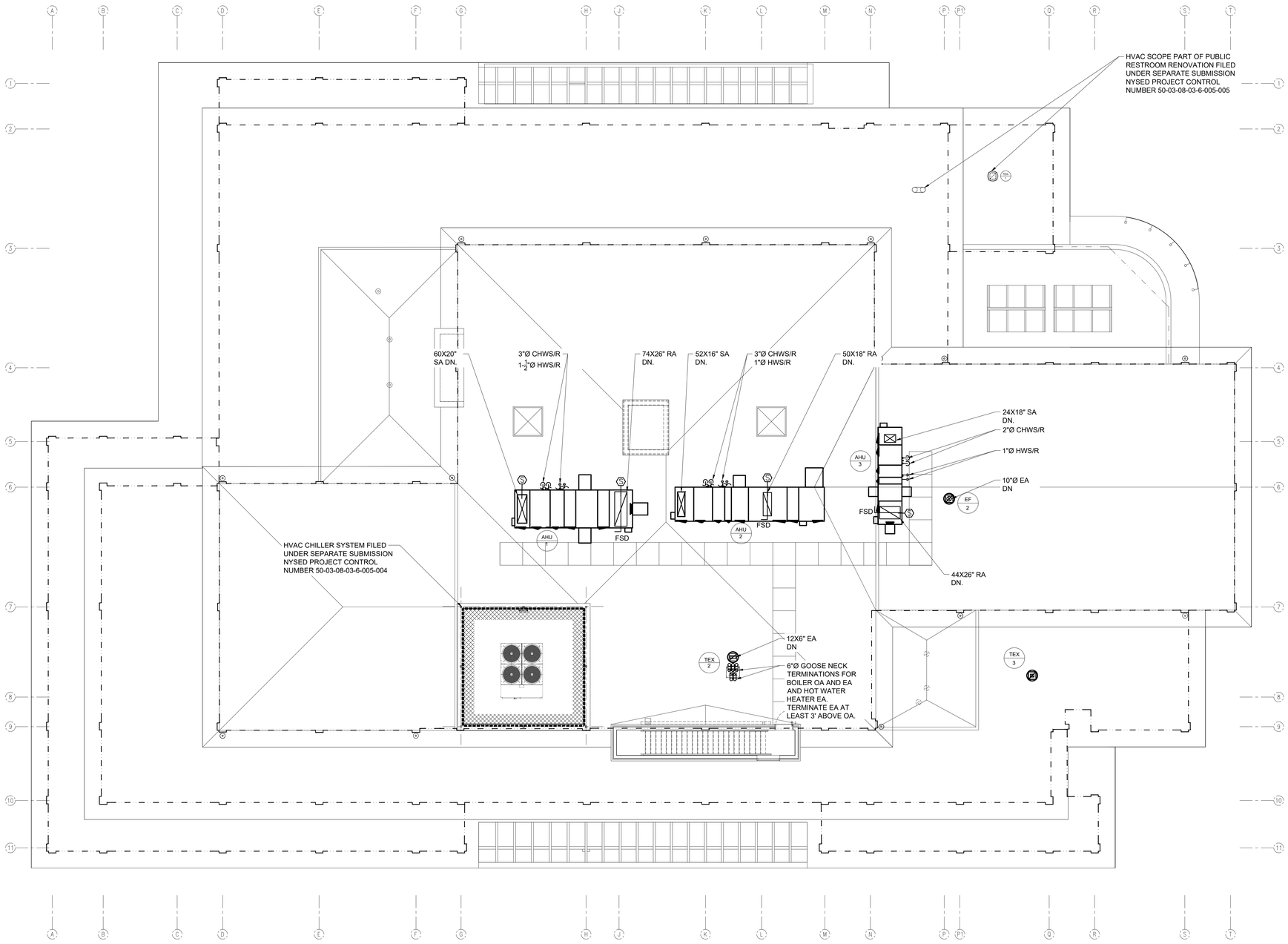
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

MECHANICAL SECOND FLOOR DUCTWORK NEW WORK PARTIAL PLAN

PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:
M-2.6



1 MECHANICAL ROOF NEW WORK PARTIAL PLAN
SCALE: 1/8" = 1'0"

NORTH

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

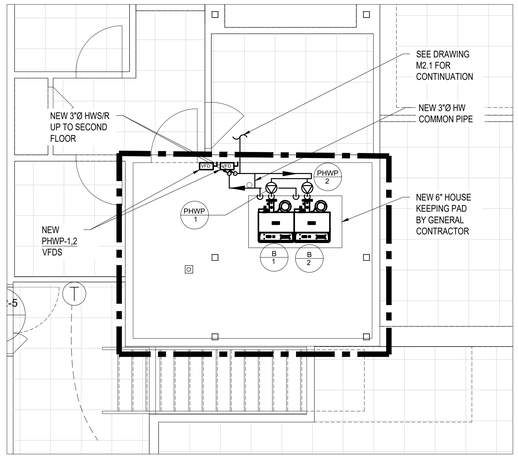
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

MECHANICAL ROOF NEW WORK PARTIAL PLAN

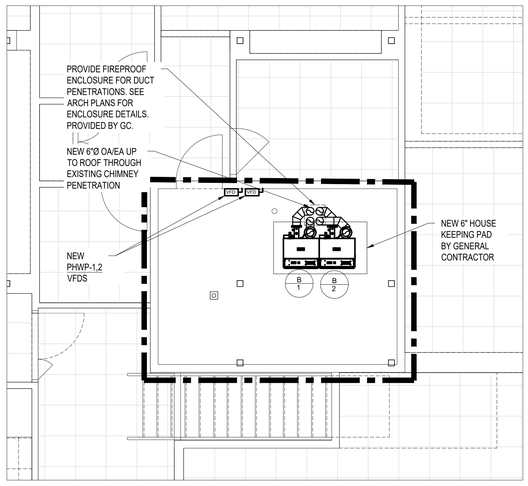
PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:

M-2.7



1 MECHANICAL BOILER ROOM PIPING PARTIAL PLAN
SCALE: 1/4" = 1'0"



2 MECHANICAL BOILER ROOM DUCTWORK PARTIAL PLAN
SCALE: 1/4" = 1'0"

one eighth inch = one foot
0 4 8 16

Lothrop
Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE
102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

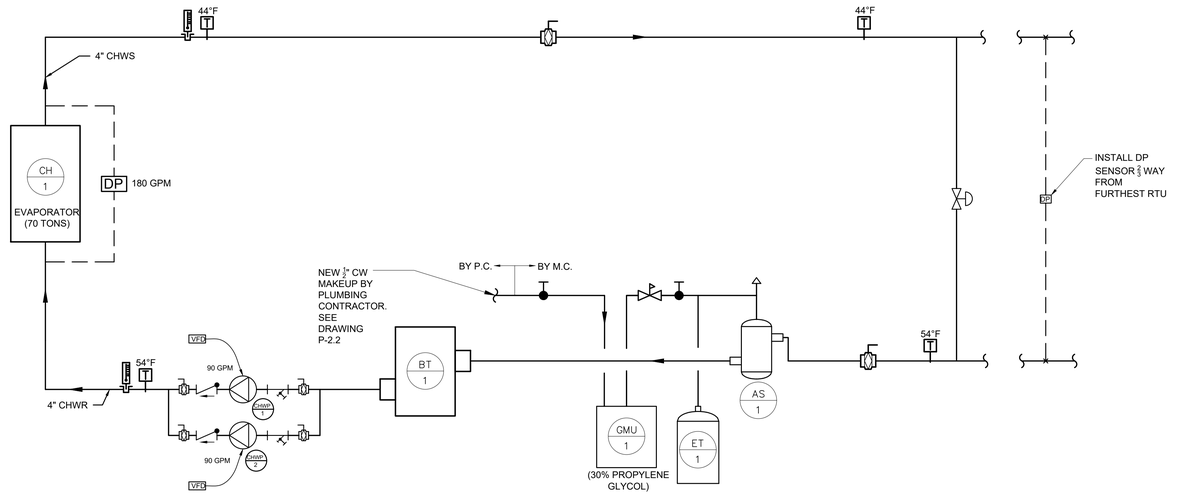
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

MECHANICAL BOILER ROOM PARTIAL PLAN

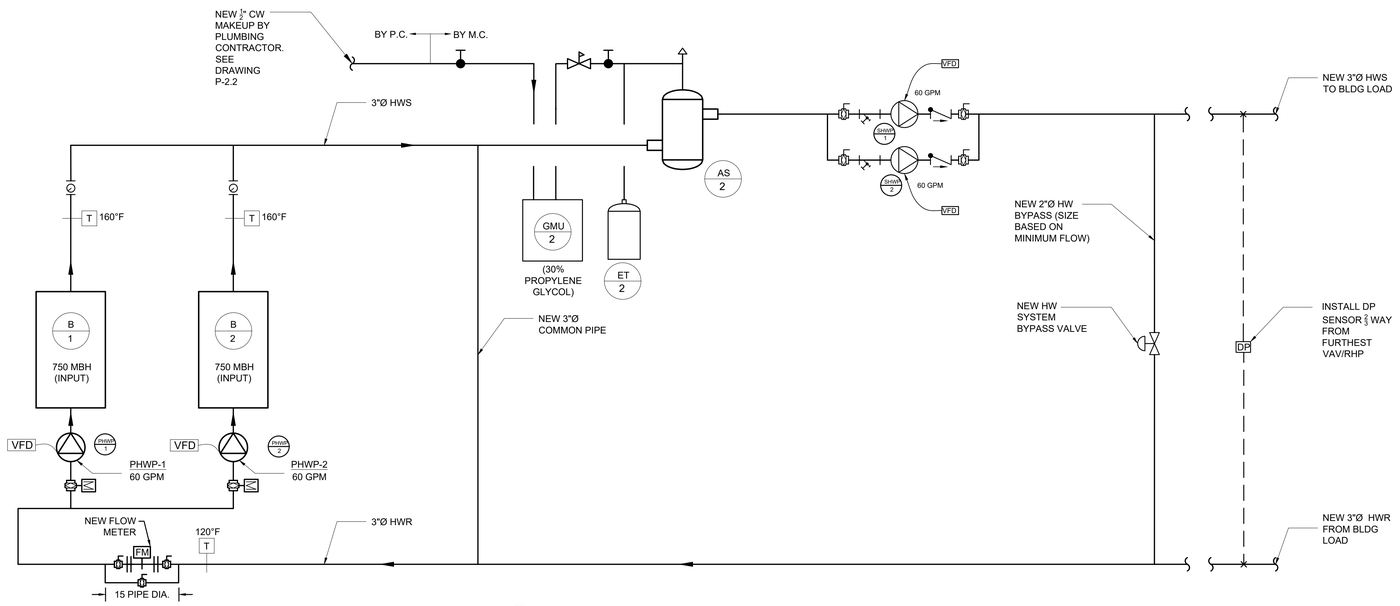
PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:
M-4.1

CHILLER SYSTEM
FILED UNDER SEPARATE SUBMISSION
NYSED PROJECT CONTROL NUMBER
50 - 03 - 08 - 03 - 6 - 005 - 004
ALL CHW SCOPE OF WORK IS SHOWN FOR REFERENCE ONLY.



1 CHILLED WATER SYSTEM PARTIAL SCHEMATIC
SCALE: NTS



2 HOT WATER SYSTEM PARTIAL SCHEMATIC
SCALE: NTS

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
7	12/20/24	ISSUED FOR NYSED PERMIT
6	11/22/24	CD PROGRESS REVIEW
5	09/26/24	CD PROGRESS REVIEW
4	06/05/24	ISSUED FOR NYSED SUBMISSION
3	05/30/24	PROGRESS REVIEW
2	05/15/24	95% REVIEW SET
1	04/30/24	PROGRESS REVIEW
	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

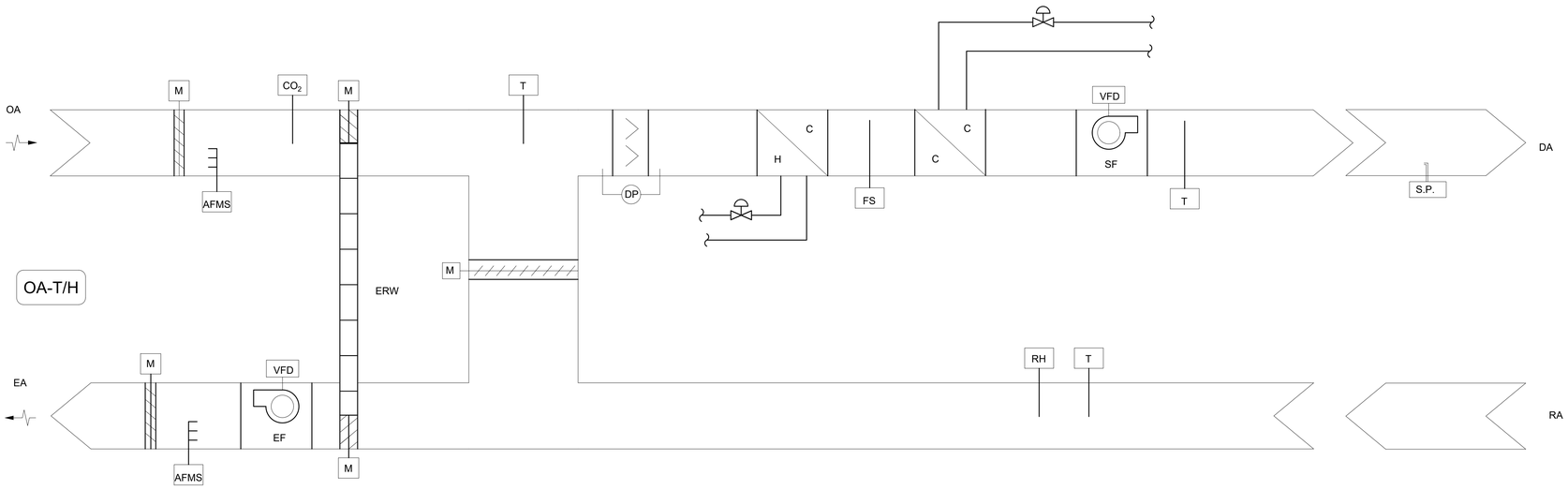
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

MECHANICAL CHW AND HW SYSTEM FLOW DIAGRAMS

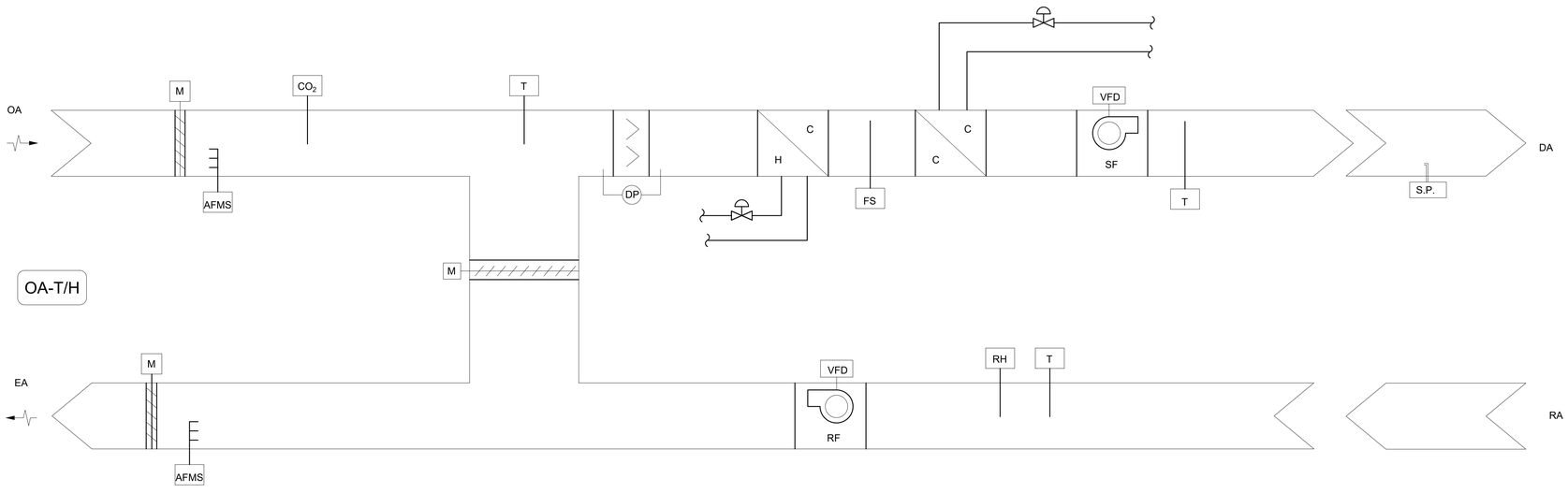
PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:

M-5.1



1 MULTIZONE ROOFTOP UNIT W/ERW SYSTEM SCHEMATIC (AHU-2)
SCALE: NTS



2 MULTIZONE ROOFTOP UNIT SYSTEM SCHEMATIC (AHU-1 AND AHU-3)
SCALE: NTS

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
7	12/20/24	ISSUED FOR NYSED PERMIT
6	11/22/24	CD PROGRESS REVIEW
5	09/26/24	CD PROGRESS REVIEW
4	06/05/24	ISSUED FOR NYSED SUBMISSION
3	05/15/24	PROGRESS REVIEW
2	95% REVIEW SET	
1	04/30/24	PROGRESS REVIEW
	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

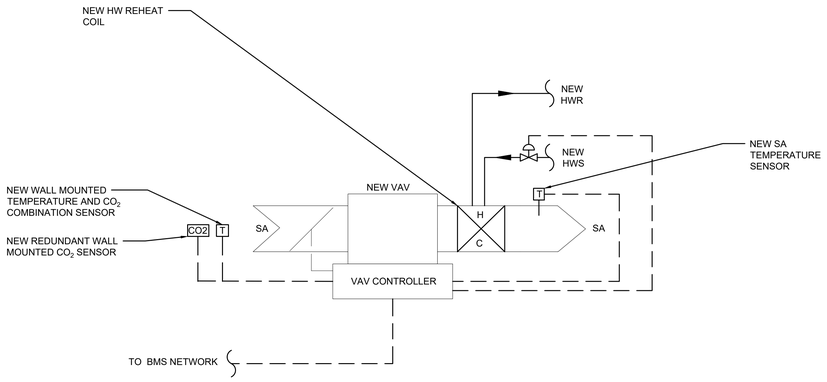
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

MULTIZONE ROOFTOP UNIT W/ ERW SYSTEM SCHEMATIC

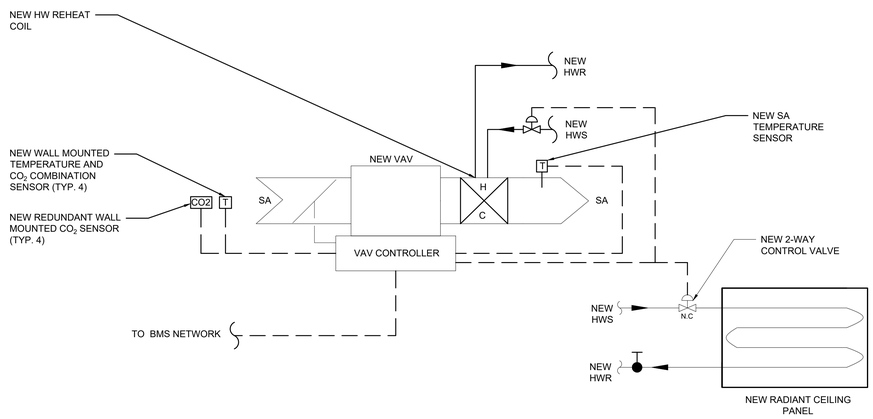
PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:

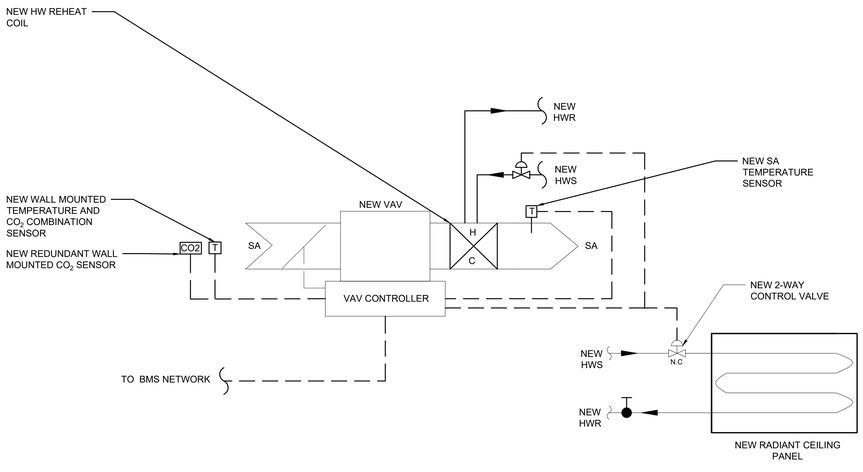
M-5.2



1 VAV WITH REHEAT CONTROL DIAGRAM
SCALE: NTS



2 VAV WITH REHEAT AND RADIANT PANEL CONTROL DIAGRAM (VAV-1-1B)
SCALE: NTS



3 VAV WITH REHEAT AND RADIANT PANEL CONTROL DIAGRAM
SCALE: NTS

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
7	12/20/24	ISSUED FOR NYSED PERMIT
6	11/22/24	CD PROGRESS REVIEW
5	09/26/24	CD PROGRESS REVIEW
4	05/30/24	ISSUED FOR NYSED SUBMISSION
3	05/15/24	PROGRESS REVIEW
2	04/30/24	95% REVIEW SET
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

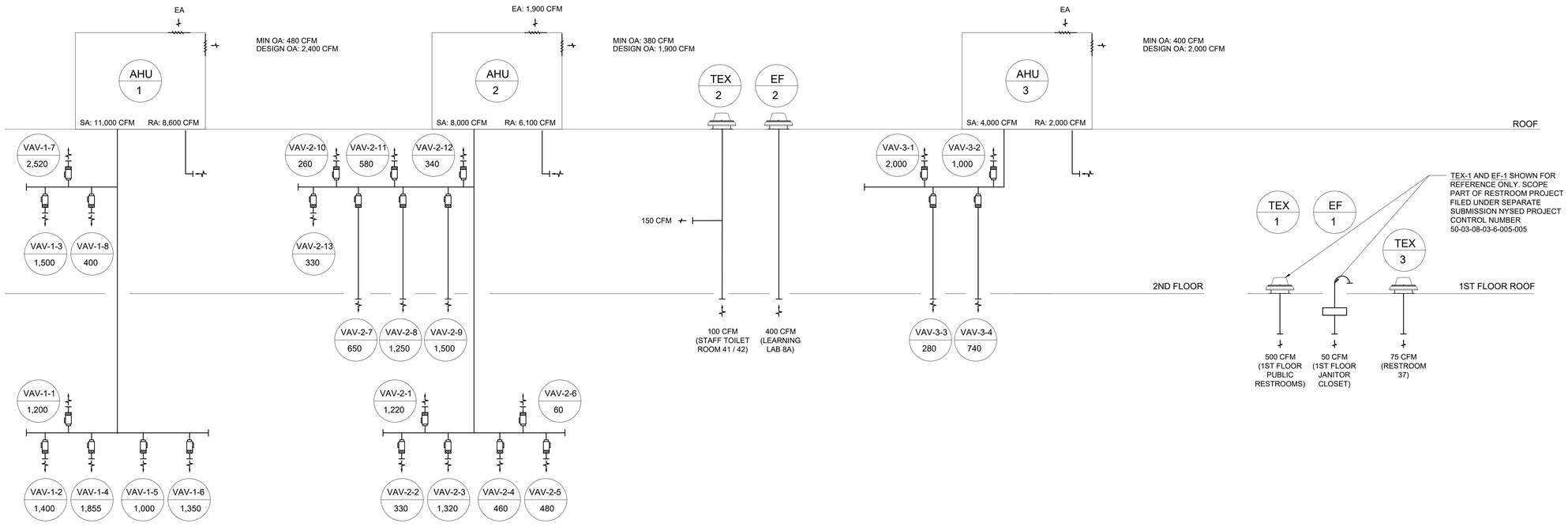
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

VAV SYSTEM CONTROL DIAGRAMS

PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:
M-5.3



AIR BALANCE:

TOTAL SA = 23,000 CFM
TOTAL OA = 6,300 CFM
TOTAL EA = 3,350 CFM

1 PARTIAL AIRFLOW RISER DIAGRAM
SCALE: NTS

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

PARTIAL AIR FLOW RISER DIAGRAM

PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:

M-5.4

AIR-COOLED PACKAGED CHILLER SCHEDULE

DESIGNATION	CH-1
LOCATION	ROOF
MANUFACTURER	YORK
MODEL	YLAA0070SE17XFBSDTX
OPERATING WEIGHT (LBS.)	4213
TYPE	SCROLL
EER / COP	10.25
EER NPLV / COP NPLV	17.95
EVAPORATOR:	
DESIGN CAPACITY (TONS)	70
DESIGN FLOWRATE (GPM)	174
MIN./MAX. FLOWRATE (GPM)	324.9 / 60.23
MIN CHW FLOW (GPM)	<60.1
CHILLER FLOW SWITCH (AS VERIFIED BY BALANCER) (GPM)	66
E.W.T./L.W.T. (°F)	54 / 44
W.P.D. (FT H_2O)	19.5
REFRIGERATION SYSTEM:	
No. OF REFRIGERANT CIRCUITS	2
REFRIGERANT TYPE	R410A
COMPRESSOR TYPE	SCROLL - HERMETIC
No. OF COMPRESSORS ON CIRCUIT 1	3
No. OF COMPRESSORS ON CIRCUIT 2	3
REFRIGERANT CHARGE (LBS.)	75.8
CONDENSER:	
No. OF ROWS/F.P.I.	1 / 20
AMBIENT TEMP. (°F)	95
FANS:	
QUANTITY	4
H.P. (EA.)	2
TOTAL AIRFLOW CFM	60000
ELECTRICAL DATA:	
VOLTS/Ø/Hz	208/3/60
INPUT POWER (kW)	81.87
FLA (AMPS)	318.4
MCA (AMPS)	334
MOCP (AMPS)	350

NOTES:

1. PROVIDE THE FOLLOWING OPTIONS:
   - THE CHILLED WATER SYSTEM SHALL UTILIZE 30% PROPYLENE GLYCOL SOLUTION.
   - ULTRA QUIET FANS.
   - LOW SOUND ACOUSTICALLY LINED COMPRESSOR ENCLOSURE.
   - WIRE MESH SECURITY GRILLES.
   - 1-1/2" INSULATION ON EVAPORATOR.
   - FLOW SWITCH.
   - BUILDING AUTOMATION SYSTEM INTERFACE.
   - SERVICE SUCTION ISOLATION VALVE FOR EACH REFRIGERANT CIRCUIT.
   - PRESSURE RELIEF SERVICE VALVE KIT.
   - YORK RESTRAINED SPRING ISOLATORS WITH A MINIMUM STATIC DEFLECTION OF 2" BASED UPON LOAD.
   - CONTROL TRANSFORMER.
   - MICROPROCESSOR CONTROLS.
2. PROVIDE THE FOLLOWING MOTOR CONTROL OPTIONS:
   - SINGLE POINT EXTERNAL POWER CONNECTION AT UNIT, WITH FACTORY INSTALLED, UNIT-MOUNTED, NON-FUSED DISCONNECT SWITCH.
   - ALL MOTOR STARTERS AND VARIABLE FREQUENCY DRIVES SHALL BE FACTORY INSTALLED.
   - ALL MOTORS 1 HP OR GREATER SHALL BE PREMIUM EFFICIENCY.
   - ALL MOTORS FURNISHED WITH VARIABLE FREQUENCY DRIVES SHALL BE INVERTER DUTY RATED & APPROVED FOR VARIABLE SPEED AND TORQUE APPLICATIONS.
   - UNITARY CONTROLLER BY AUTOMATIC TEMPERATURE CONTROLS MANUFACTURER, COMPATIBLE WITH THE BUILDING AUTOMATION SYSTEM.
   - PROVIDE WITH BACNET CONTROL INTERFACE CARD.

CHILLER SYSTEM
FILED UNDER SEPARATE SUBMISSION
NYSED PROJECT CONTROL NUMBER
50 - 03 - 08 - 03 - 6 - 005 - 004
ALL CHW SCOPE OF WORK IS SHOWN FOR REFERENCE ONLY.

PUMP SCHEDULE

DESIGNATION	CHWP-1,2	PHWP-1,2	SHWP-1,2
LOCATION	SECOND FLOOR MER	BOILER ROOM	SECOND FLOOR MER
SYSTEM SERVED	CHW	HW	HW
ARRANGEMENT	BASE MOUNTED	INLINE	BASE MOUNTED
MANUFACTURER	TACO	BELL AND GOSSETT	BELL AND GOSSETT
MODEL	FI1509D	E-90	E-1532
IMPELLER DIA. (IN.)	8.40	5.25	8.5
GPM	90	60	60
TOTAL DYNAMIC HEAD (FT H_2O)	70	25	33
RPM	1760	1800	1200
NPSH (FT. H_2O)	3	5.8	3.1
MOTOR HP / BHP	5 / 2.65	.75 / .53	1.5 / .8
VOLTAGE/Ø/Hz	208/3/60	208/3/60	208/3/60
FT OF HEAD AT 0 GPM	80	28	34
STARTER TYPE	VFD	VFD	VFD
STARTER LOCATION	MECHANICAL ROOM 20	MER 19	MECHANICAL ROOM 20
DISCONNECT SWITCH AT PUMP (Y/N)	Y	Y	Y

NOTES:

1. FLUID SHALL BE 30% PROPYLENE GLYCOL SOLUTION.
2. ALL MOTORS 1 HP OR GREATER SHALL BE PREMIUM EFFICIENCY.
3. VFD'S SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
4. ALL VFD'S SHALL BE PROVIDED WITH A DISCONNECT SWITCH OR CIRCUIT BREAKER AND DRIVE/BYPASS CONFIGURATION.
5. PROVIDE INERTIA PADS FOR PUMPS WITH 2" SPRING VIBRATION ISOLATORS.
6. CHILLED WATER PUMPS BASED ON TACO. HOT WATER PUMPS BASED ON BELL & GOSSETT.

GLYCOL MAKE UP TANK SCHEDULE

DESIGNATION	GMT-1	GMT-2
LOCATION	SECOND FLOOR MER	SECOND FLOOR MER
SERVICE	CHW	HW
MANUFACTURER	WESSELS COMPANY	WESSELS COMPANY
MODEL	GMP-13050	GMP-13050
VOLUME (GAL)	50	50
DIAMETER (IN)	34	34
HEIGHT (IN)	45	45
HP	1 / 3	1 / 3
VOLTAGE/Ø/Hz	120/1/60	120/1/60
MAKE-UP CAPACITY (GPM @ PSI)	1.8 @ 70	1.8 @ 70
OPERATING WEIGHT (LB)	551.27	551.27
WEIGHT (LB)	134	134

NOTES:

1. TANKS BASED ON WESSEL COMPANY

EXPANSION TANK SCHEDULE

DESIGNATION	ET-1	ET-2
LOCATION	SECOND FLOOR MER	SECOND FLOOR MER
SERVICE	CHW	HW
MANUFACTURER	TACO	B&G
MODEL	PAX130-150	D-40V
CAPACITY (GAL)	34	22
DIAMETER (IN)	16	16
HEIGHT (IN)	52.5	30
OPERATING WEIGHT (LB)	483.74	271
WEIGHT (LB)	200	90
CONNECTION TYPE (IN)	$\frac{3}{4}$"	$\frac{1}{2}$"

NOTES:

1. TANK SHALL BE ASME RATED AND STAMPED FOR 125 PSIG.
2. CHW TANK BASED ON TACO. HW TANK BASED ON BELL AND GOSSETT

AIR SEPARATOR SCHEDULE

DESIGNATION	AS-1	AS-2
LOCATION	SECOND FLOOR MER	SECOND FLOOR MER
SYSTEM SERVED	CHW	HW
ARRANGEMENT	IN-LINE	IN-LINE
SIZE (IN)	4"	3"
MODEL	RL-4F	RL-3F
VOLUME (GAL.)	13	7
WEIGHT (LBS)	263	173
DIMENSIONS (L x D)	31.5" x 12.75"	27" x 10.75"

NOTES:

1. AIR SEPARATOR BASED ON BELL AND GOSSETT.

CHILLED WATER BUFFER TANK SCHEDULE

DESIGNATION	BT-1
LOCATION	SECOND FLOOR MER
SERVICE	CHW
MANUFACTURER	TACO
MODEL	BTH0400F02-125N
CAPACITY (GAL)	400
DIAMETER (IN)	48
HEIGHT (IN)	74
OPERATING WEIGHT (LB)	4350
WEIGHT (LB)	1,010
CONNECTION TYPE (IN)	4" FLANGED

NOTES:

1. TANK SHALL BE ASME RATED AND STAMPED FOR 125 PSIG.
2. BUFFER TANK BASED ON TACO

HOT WATER CONDENSING BOILER SCHEDULE

DESIGNATION	B-1, 2
LOCATION	BOILER ROOM
SYSTEMS SERVED	HOT WATER
MODEL	BMK-750
INPUT (MBH)	750
OUTPUT (MBH)	675
MAX. OPERATING PRESSURE (PSIG)	160
MIN. FLOW RATE (GPM)	12
WATER CONNECTIONS (IN)	3"
EWT/LWT (°F)	120 / 160
DIMENSIONS (W"xD"xH")	28"x24.5"x78"
DRY WEIGHT (LBS)	669
MINIMUM GAS PRESSURE (IN W.C.)	4
MAX GAS PRESSURE (IN W.C.)	14
BURNER:	
FUEL	NATURAL GAS
GAS INPUT (MBH)	750
TURNDOWN/MODULATING FIRING RANGE	15:1
MIN THERMAL EFFICIENCY (%)	87
ELECTRICAL DATA:	
VOLTS/Ø/Hz	120/1/60
FLA	13

NOTES:

1. BOILERS BASED ON AERCO.
2. PROVIDE ASME CSD-1 COMPLIANT CONTROLS.
3. PROVIDE BOILERS WITH 80 PSI ASME RELIEF VALVES, 3-1/4" PRESSURE AND TEMPERATURE GAUGES, MANUAL RESET HIGH LIMIT AQUASTAT, LOW WATER CUT OFF.
4. PROVIDE MANUFACTURER'S CONDENSATE NEUTRALZING KIT.
5. PROVIDE WITH FM COMPLIANT OR FACTORY INSTALLED DBB (IRI), VALVE PROVING SYSTEM GAS TRAIN OPERATION.

RADIANT HEATING PANEL SCHEDULE

DESIGNATION	RHP-A	RHP-B
PERFORMANCE DATA:		
ROOM AIR (°F) DB	70	70
OUTPUT (BTU/HR/LF)	301	362
LENGTH (FT-IN)	SEE PLANS	SEE PLANS
MEAN TEMP (°F)	155	155
FLUID TYPE	30% PG	30% PG
FLUID GPM	SEE PLANS	SEE PLANS
CONSTRUCTION DATA:		
TUBE MATERIAL	COPPER	COPPER
TUBE DIAM (IN.)	$\frac{5}{8}$"OD	$\frac{5}{8}$"OD
PANEL MATERIAL	ALUMINUM	ALUMINUM
PANEL WIDTH (IN.)	24"	30"
NUMBER OF PASSES	4	5
No. OF CIRCUITS	1	1
PANEL MOUNT TYPE	CEILING GRID	RECESSED

NOTES:

1. RADIANT CEILING PANEL BASED ON STERLING.
2. FURNISH ALL REQUIRED PANEL JOINT CLIPS, SUSPENSION CLIPS, SUPPORT CHANNELS AND INTERCONNECTION PIPING.
3. FINISH AND COLOR SHALL BE APPROVED BY ARCHITECT.
4. COORDINATE ALL MOUNTING HEIGHTS WITH FIELD CONDITIONS.
5. CONTRACTOR TO PROVIDE 1" FOIL BACKED BATT INSULATION OVER RADIANT PANEL.
6. LOCATION AND LAYOUT AS SHOWN ON PIPING DRAWINGS.

HOT WATER CONVECTOR SCHEDULE

DESIGNATION	CONV-1	CONV-2
LOCATION	1A ENTRY VESTIBULE	14 VESTIBULE
MANUFACTURER	JAGA	JAGA
MODEL	BUILD-IN WALL	BUILD-IN WALL
TYPE	10	10
CABINET SIZE LxHxD (IN)	47"x8"4.5"	55"x16"x4.5"
EWT/LWT (°F)	160 / 120	160 / 120
CAPACITY (MBH)	2.0	3.4
GPM	0.2	0.2
WPD (FT. H_2O)	.03	.03

NOTES:

1. CONFIGURATION SHALL BE AS FOLLOWS:
   - WALL-MOUNTED, FULLY RECESSED, WITH WALL SEAL KIT ACCESSORY.
   - FRONT (HIGH) LOUVERED SUPPLY AIR OUTLET.
   - FRONT (LOW) LOUVERED RETURN AIR INLET.
2. PROVIDE THE FOLLOWING OPTIONS FOR ALL UNITS:
   - KEY LOCK FACTORY ACCESS DOORS. COORDINATE LOCATION IN FIELD.
   - 18-GUAGE FRONT PANEL.
   - 1/2" INSULATION ON BACK PANEL.
   - KNOB OPERATED DAMPER.
   - WALL-MOUNTED THERMOSTAT.
   - AQUASTAT.
   - COIL AIR VENT.
   - 2-WAY MODULATING CONTROL VALVE FOR EACH COIL, WITH PIPING PACKAGE AS PER DETAIL ON DRAWING M7.1.
   - FLUID SHALL BE 30% PROPYLENE GLYCOL SOLUTION.
   - CABINET FINISH AND COLOR TO BE SELECTED BY ARCHITECT.
   - COORDINATE RIGHT-HAND/LEFT-HAND COIL CONNECTIONS IN THE FIELD WITH WALL CONSTRUCTION.
3. CONVECTORS BASED ON JAGA.

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

MECHANICAL EQUIPMENT SCHEDULES

PROJECT NO.: 2578-02 | SCALE: AS NOTED

DRAWING NO.:

M-6.1

one eighth inch = one foot
0 4 8 16

VARIABLE AIR VOLUME BOX SCHEDULE

TAG	AREA SERVED	ASSOCIATED AHU	INLET SIZE (IN)	MAX CFM	MIN CFM	HOT WATER REHEAT COIL							MANUFACTURER	MODEL
						ENT AIR TEMP °F	LEAVING AIR TEMP °F	HEATING MAX. CFM	REHEAT COIL CAPACITY MBH	ENT WATER TEMP °F	GPM	# OF ROWS		
VAV-1-1	YOUNG ADULTS AREA 7	AHU-1	10	1,200	360	55	91	1,200	47.3	160	4.1	2	PRICE	SDV
VAV-1-2	FICTION STACKS/ READING 10	AHU-1	10	1,400	300	55	90	650	24.8	160	2.4	2	PRICE	SDV
VAV-1-3	NON-FICTION STACKS AND READING AREA 11	AHU-1	12	1,500	450	55	90	1,000	37.9	160	2.8	2	PRICE	SDV
VAV-1-4	NON-FICTION STACKS AND READING AREA 11	AHU-1	12	1,855	540	55	90	1,350	51.6	160	3.6	2	PRICE	SDV
VAV-1-5	PEARL RIVER ROOM 6	AHU-1	8	1,000	190	55	90	400	15.5	160	1.8	2	PRICE	SDV
VAV-1-6	BROWSING/ NEW BOOKS 9	AHU-1	10	1,350	380	55	90	725	28.1	160	3.1	2	PRICE	SDV
VAV-1-7	CIRCULATION/ REFERENCE 5	AHU-1	14	2,520	755	55	90	1,300	49.9	160	3.4	2	PRICE	SDV
VAV-1-8	EQUIPMENT ROOM 210	AHU-1	4	400	120	55	92	90	4.9	160	1.0	1	PRICE	SDV
VAV-2-1	READING AREA 7	AHU-2	12	1,220	510	55	90	1,100	41.8	160	3.2	2	PRICE	SDV
VAV-2-2	DIRECTORS OFFICE 17	AHU-2	6	330	100	55	94	325	13.9	160	1.9	2	PRICE	SDV
VAV-2-3	STAFF OFFICE 12	AHU-2	12	1,320	150	55	90	225	8.7	160	0.8	2	PRICE	SDV
VAV-2-4	SENIOR ACCT CLERKS OFFICE 16	AHU-2	8	460	135	55	90	250	9.5	160	0.7	2	PRICE	SDV
VAV-2-5	STAFF ROOM 13	AHU-2	8	480	120	55	90	260	9.8	160	0.7	2	PRICE	SDV
VAV-2-6	GALLERY HALL 20	AHU-2	4	60	25	55	90	45	1.8	160	0.2	1	PRICE	SDV
VAV-2-7	LEARNING LAB 8A & B	AHU-2	8	650	315	55	94	400	16.9	160	2.3	2	PRICE	SDV
VAV-2-8	PROGRAM ROOM CHILDRENS 34	AHU-2	10	1,250	375	55	90	1,250	47.5	160	3.9	2	PRICE	SDV
VAV-2-9	CHILDRENS LIBRARY 35	AHU-2	12	1,500	450	55	91	1,500	59.3	160	4.5	2	PRICE	SDV
VAV-2-10	GALLERY 206	AHU-2	6	260	25	55	90	45	1.9	160	0.1	2	PRICE	SDV
VAV-2-11	STAFF ROOM 203	AHU-2	8	580	175	55	90	350	13.3	160	1.2	2	PRICE	SDV
VAV-2-12	PEARL RIVER PROGRAM ROOM 207	AHU-2	6	340	100	55	90	210	8.1	160	0.7	2	PRICE	SDV
VAV-2-13	MEETING ROOM 207	AHU-2	8	330	175	55	90	350	13.3	160	1.2	2	PRICE	SDV
VAV-3-1	COMMUNINTY ROOM II 33B	AHU-3	12	2,000	1,400	55	95	1,400	60.6	160	5.1	2	PRICE	SDV
VAV-3-2	COMMUNITY ROOM I 33A	AHU-3	8	1,000	300	55	95	630	27.2	160	4.3	2	PRICE	SDV
VAV-3-3	LOBBY 1	AHU-3	6	280	85	55	90	225	8.5	160	0.7	2	PRICE	SDV
VAV-3-4	COMMUNAL BATHROOM	AHU-3	8	740	220	55	94	740	31.9	160	4.7	2	PRICE	SDV

NOTES:
1. VARIABLE AIR VOLUME BOXES BASED ON PRICE.

ADD ALTERNATE HV-1: VARIABLE AIR VOLUME BOX SCHEDULE

TAG	AREA SERVED	ASSOCIATED RTU	INLET SIZE (IN)	MAX CFM	MIN CFM	HOT WATER REHEAT COIL							MANUFACTURER	MODEL
						ENT AIR TEMP °F	LEAVING AIR TEMP °F	HEATING MAX. CFM	REHEAT COIL CAPACITY MBH	ENT WATER TEMP °F	GPM	# OF ROWS		
VAV-2-1	READING AREA 7	AHU-2	8	850	250	55	90	700	27.3	160	2.9	2	PRICE	SDV
VAV-2-2A	MEETING ROOMS 001	AHU-2	6	250	75	55	90	75	3.0	160	0.4	1	PRICE	SDV
VAV-2-2B	MEETING ROOMS 002 - 005	AHU-2	8	600	180	55	90	300	11.6	160	0.7	2	PRICE	SDV

NOTES:
1. VARIABLE AIR VOLUME BOXES BASED ON PRICE.

ROOF TOP AIR HANDLING UNIT SCHEDULE

DESIGNATION	AHU-1	AHU-2	AHU-3
LOCATION	ROOF	ROOF	ROOF
AREA SERVED	SEE FLOOR PLANS	SEE FLOOR PLANS	SEE FLOOR PLANS
MANUFACTURER	TRANE	TRANE	TRANE
UNIT MODEL NUMBER	CSAA025	CSA0017	CSA0008
WEIGHT OF UNIT (LBS)	4,921	4,449	2,248
FAN DESIGN DATA:			
SUPPLY FAN QTY	4	2	1
SUPPLY FAN POWER (kW)	8.00	7.04	3.14
FAN ESP / TSP (IN H_2O)	1.0" / 3.3"	1.0" / 4.74"	1.0" / 4.2"
SUPPLY AIR (CFM)	11,000	8,000	4,000
OUTDOOR AIR (CFM)	2,400	1,900	2,000
RETURN / EXHAUST FAN QTY	2	2	1
RETURN / EXHAUST FAN POWER (kW)	3.63	5.04	1.23
FAN ESP / TSP (IN H_2O)	1.0" / 1.5"	1.0" / 3.5"	1.0" / 1.5"
RETURN AIR (CFM)	8,600	6,100	2,000
FILTERS:			
MAIN FILTER	MERV-13	MERV-13	MERV-13
SIZE (LxW)	16"x25"	20"x20" 20"x24"	20"x24" 24"x24"
COOLING COIL:			
TOTAL COOLING CAPACITY (MBH)	408	334	205.5
SENSIBLE COOLING CAPACITY (MBH)	306	226	139.5
FLUID TYPE	30% PG	30% PG	30% PG
COOLING EWT / LWT (°F)	44 / 54	44 / 54	44 / 54
COOLING FLOW RATE (GPM)	88	72	44.5
PRESSURE DROP (FT H_2O)	7.13	16.6	8.73
COOLING E.A.T. (°F) DB/WB	81 / 67	76 / 65	85 / 69
COOLING L.A.T. (°F) DB	55	50	53
HEATING COIL:			
HEATING TOTAL CAPACITY (MBH)	307	109	146.8
FLUID TYPE	30% PG	30% PG	30% PG
HEATING EWT / LWT (°F)	160 / 120	160 / 120	160 / 120
HEATING FLOW RATE (GPM)	16	5.8	7.75
HEATING EAT / LAT (°F) DB	65 / 91	67 / 80	38 / 72
PRESSURE DROP (FT H_2O)	0.5	0.5	2.3
ENERGY RECOVERY WHEEL:			
OUTDOOR AIR (CFM)	-	1,900	-
EXHAUST AIR (CFM)	-	1,900	-
TOTAL COOLING ENERGY RECOVERED (MBH)	-	69.4	-
TOTAL HEATING ENERGY RECOVERED (MBH)	-	172.8	-
TOTAL WHEEL EFFECTIVENESS (%)	-	71	-
ELECTRICAL DATA:			
VOLTS/ Ø/HZ	208/3/60	208/3/60	208/3/60
FLA / MCA / MOCP (RETURN FAN)	23.3 / 26.0 / 35	23.3 / 26.0 / 35	12.3 / 15.0 / 25
FLA / MCA / MOCP (SUPPLY FAN)	38.5 / 40.8 / 50	23.3 / 26.0 / 35	12.3 / 15.0 / 25
FLA / MCA / MOCP (ENERGY WHEEL)	-	3.1 / 3.75 / 15	-

NOTES:
1. UNITS SHALL BE HIGH EFFICIENCY.
2. FURNISH EXTRA DRIVE BELT AND EXTRA FILTER SET FOR EACH UNIT.
3. ALL MOTORS 1 HP OR GREATER SHALL BE PREMIUM EFFICIENCY. ALL MOTORS FURNISHED WITH VARIABLE FREQUENCY DRIVES SHALL BE INVERTER DUTY RATED & APPROVED FOR VARIABLE SPEED AND TORQUE APPLICATIONS.
4. SINGLE POINT EXTERNAL POWER CONNECTION AT UNIT, UNIT-MOUNTED DISCONNECT SWITCH, AND FACTORY INSTALLED MOTOR STARTERS. VAV UNITS SHALL HAVE FACTORY MOUNTED VFD'S WITH H-O-A.
5. PROVIDE CLOSED ROOF CURB
6. ROOF TOP UNITS ARE BASED ON TRANE

ARCH ROOM NUMBER	ROOM NAME	AREA (ft^2)	# OF OCCU. PER P.O.R.	NYS MCC TABLE 403.3					OA CALC PER NYS MC 403.3	EXH. CALC. PER NYC MC 403.5	DESIGN VALUES		
		(Az)	(Pz)	OCCUPANCY CLASS	# OF OCCU.	BREATHING ZONE OA/PERSON (Rp)	BREATHING ZONE OA/FT^2 (Ra)	EXHAUST RATE CFM/FT^2	BREATHING ZONE OA FLOW CFM (Vbz = RpPz + RaAz)	ZONE EXHAUST CFM	ZONE SUPPLY AIR CFM	ZONE OUTSIDE AIR CFM (Voz)	EXHAUST AIR CFM
7	YOUNG ADULTS AREA	1,258	10	LIBRARIES	13	5	0.12	0	216	-	1,200	270	-
10	FICTION STACKS / READING	1,418	10	LIBRARIES	14	5	0.12	0	240	-	1,400	300	-
11	NON-FICTION STACKS AND READING AREA (INTERIOR)	2,063	10	LIBRARIES	21	5	0.12	0	353	-	1,500	441	-
11	NON-FICTION STACKS AND READING AREA (PERIMETER)	1,510	10	LIBRARIES	15	5	0.12	0	256	-	1,855	320	-
7	READING AREA	1,093	10	LIBRARIES	12	5	0.12	0	191	-	1,220	239	-
17	DIRECTORS OFFICE	403	5	OFFICE	2	5	0.06	0	34	-	330	43	-
6	PEARL RIVER ROOM	489	50	CONFERENCE	24	5	0.12	0	179	-	1,000	223	-
9	BROWSING/ NEW BOOKS	900	10	LIBRARIES	9	5	0.12	0	153	-	1,350	191	-
12	STAFF OFFICE	1,760	5	OFFICE	9	5	0.06	0	151	-	1,320	188	-
5	CIRCULATION/ REFERENCE	3,004	10	LIBRARIES	30	5	0.12	0	510	-	2,520	638	-
16	SENIOR ACCT CLERKS OFFICE	122	5	OFFICE	1	5	0.06	0	12	-	460	15	-
13	STAFF ROOM	205	5	OFFICE	1	5	0.06	0	17	-	480	22	-
20	GALLERY HALL	395	0	CORRIDOR	-	0	0.06	0	24	-	60	30	-
1	LOBBY	570	10	MAIN ENTRY LOBBY	6	5	0.06	0	64	-	280	80	-
33B	COMMUNITY ROOM II	1,008	100	MULTIUSE ASSEMBLY	101	7.5	0.06	0	818	-	2,000	1,022	-
33A	COMMUNITY ROOM I	899	100	MULTIUSE ASSEMBLY	90	7.5	0.06	0	729	-	1,000	911	-
8A & B	LEARNING LAB	855	25	COMPUTER LAB	21	10	0.12	0	313	-	650	391	400
34	PROGRAM ROOM CHILDREN'S	460	10	LIBRARIES	5	5	0.12	0	80	-	1,250	100	-
35	CHILDREN'S LIBRARY	2,080	10	LIBRARIES	21	5	0.12	0	355	-	1,500	443	-
14	VESTIBULE	100	0		-	0	0	0	-	-			-
206	GALLERY	520	0	CORRIDOR	-	0	0.06	0	31	-	260	39	-
203	STAFF ROOM	593	50	CONFERENCE	30	5	0.06	0	186	-	580	232	-
207	PEARL RIVER PROGRAM RM	633	5	OFFICE	3	5	0.06	0	53	-	340	66	-
207	MEETING RM	360	5	OFFICE	2	5	0.06	0	32	-	330	40	-
1A	ENTRY VESTIBULE	290			-	-	0	0	-	-	-	-	-
210	EQUIPMENT ROOM	980			-	-	0	0	-	-	400	-	-
37A	TOILET ROOM	64	1 FIXTURE	TOILET	-	-	0	0	-	50	-	-	50
37B	LACATION ROOM	65		TOILET	-	-	0	0	-	50	-	-	50
41	TOILET ROOM STAFF	55	1 FIXTURE	TOILET	-	-	0	0	-	50	-	-	50
42	STAFF TOILET ROOM	55	1 FIXTURE	TOILET	-	-	0	0	-	50	-	-	50
204	TOILET ROOM	76	1 FIXTURE	TOILET	-	-	0	0	-	50	-	-	50
205	TOILET ROOM	76	1 FIXTURE	TOILET	-	-	0	0	-	50	-	-	50

RETURN REGISTER / TRANSFER GRILLE SCHEDULE

DESIGNATION	RR-A	
MODEL	3 FS	
MAX NK VEL (FT/MIN)	500	
MAX NC	25	
CONSTRUCTION	ALUMINUM	
BORDER/FRAME	SURFACE MOUNTED	
DEFLECTION	45° FIXED	
SPACING	¾"	
	CFM RANGE	NOMINAL NECK SIZE
	0-150	8x8
	151-250	10x10
	251-350	12x12
	351-725	18x18
	726-950	22x22
	951-1100	24x24
	1101-1400	24x30

NOTES:
1. RETURN REGISTERS ARE BASED ON TITUS.
2. THE ABOVE SCHEDULE INDICATES NOMINAL REGISTER NECK SIZES. THE CONTRACTOR SHALL COORDINATE THE REGISTER SIZE IN THE FIELD ACCORDING TO THE ACTUAL DUCT DIMENSIONS AND MAINTAIN AN EQUIVALENT CORE AREA. REFER TO THE PLANS FOR SPECIFIC REGISTER SIZES.
3. ALL REGISTERS SHALL BE EQUIPPED WITH AN OPPOSED BLADE VOLUME DAMPER.
4. SUBMIT COLOR CHART FOR REVIEW AND APPROVAL BY ARCHITECT.
5. RETURN REGISTERS SHALL HAVE FRAMES AND BORDERS SUITABLE FOR THE CONSTRUCTION IN WHICH THEY WILL BE INSTALLED. CONTRACTOR TO COORDINATE.

CEILING DIFFUSER SCHEDULE

DESIGNATION	CD-A		LD-A	
MODEL	OMNI		FL-20	
MAX CORE VEL (FT/MIN)	550		550	
MAX NC	25		25	
CONSTRUCTION	STEEL		ALUMINUM	
FRAME	LAY-IN		LAY-IN	
DEFLECTION	4 WAY		30°	
# SLOTS	-		2	
SPACING	-		2.5"	
SIZE	24x24 / 12x12		4'-0"	
	CFM RANGE	NECK SIZE Ø	CFM RANGE	NECK SIZE Ø
	0-100	6"	0-200	6"
	101-200	8"	201-200	8"
	201-350	10"	201-350	10"
	351-450	12"	351-450	12"
	451-600	14"	451-600	14"
	601-700	15"	601-700	15"

NOTES:
1. CEILING SUPPLY DIFFUSERS ARE BASED ON TITUS.
2. ALL DIFFUSERS SHALL BE EQUIPPED WITH AN OPPOSED BLADE VOLUME DAMPER.
3. COORDINATE COLOR SELECTION WITH ARCH PLANS.
4. SUPPLY DIFFUSERS SHALL HAVE FRAMES AND BORDERS SUITABLE FOR THE CONSTRUCTION IN WHICH THEY WILL BE INSTALLED, CONTRACTOR TO COORDINATE.
5. ALL LAY-IN DIFFUSERS SHALL HAVE A MODULE SIZE OF 24x24. FACE SIZES SHOWN IN SCHEDULE ARE FOR SURFACE MOUNT DIFFUSERS. NECK SIZES VARY ACCORDING TO THE SCHEDULE.
6. DIFFUSER BLOW PATTERN IS AS SHOWN ON DRAWINGS.

EXHAUST FAN SCHEDULE

DESIGNATION	EF-2	TEX-2	TEX-3
LOCATION	ROOF	ROOF	ROOF
AREA SERVED	LEARNING LAB	1ST / 2ND FLOOR RESTROOMS	TOILET RM 37A/ LACATATION RM 37B
MODEL	G-080-D-1	G-080-D-1	G-060-D-1
CFM	400	250	100
BHP	.05	.06	.02
HP	.05	.06	.02
RPM	1550	1550	1550
SP (IN H_2O)	0.2"	0.5"	0.375"
VOLTS/Ø/Hz	115/1/60	115/1/60	115/1/60
INTERLOCK	-	-	-

NOTES:
1. FANS BASED ON GREENHECK.
2. ALL MOTORS SHALL BE PREMIUM EFFICIENCY
3. FURNISH MOTOR STARTERS AND DISCONNECT SWITCHES FOR EACH FAN
4. FURNISH MOTOR AND BELT GUARD FOR ALL EXTERNAL MOTOR DRIVES
5. FURNISH 12" HIGH ROOF CURB WITH BACK DRAFT DAMPER FOR ALL ROOF MOUNTED FANS
6. ALL OUTDOOR FANS SHALL BE FURNISHED WITH UNIT MOUNTED WEATHER PROOF DISCONNECT SWITCH

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

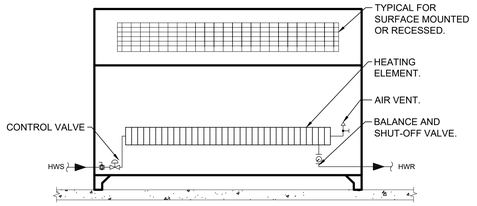
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

MECHANICAL EQUIPMENT SCHEDULES

PROJECT NO.: 2578-02
SCALE: AS NOTED

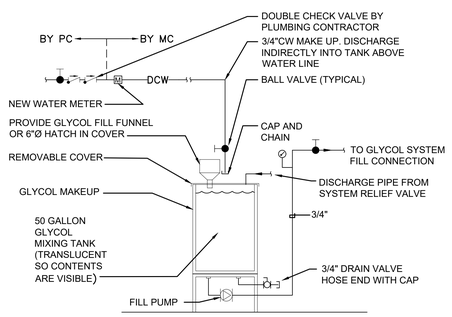
DRAWING NO.:
M-6.2



PIPE SIZE SCHEDULE										
PIPE SIZE	½	¾	1	1¼	1½	2	2½	3	4	5	6
MAX GPM	2	3.5	7	13	22	45	70	130	260	480	750

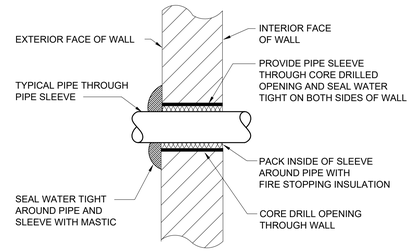
NOTES:
1. CABINET FINISH AND COLOR TO BE SELECTED BY ARCHITECT.
2. COORDINATE COIL CONNECTION WITH WALL CONSTRUCTION IN THE FIELD.

1 HOT WATER CABINET CONVECTOR PIPING SCHEMATIC
SCALE: NONE



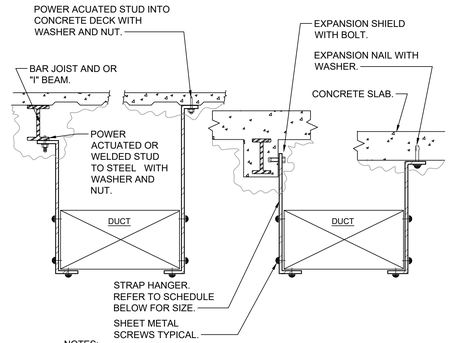
NOTES:
1.) SYSTEM SHALL CONTAIN PRESSURE MAINTAINING CONTROLS TO START PUMP.

2 GLYCOL FILL SYSTEM DETAIL
SCALE: NONE



NOTES:
1.) FOR PIPE SIZES THROUGH 1 ¼", PROVIDE SEPARATE SLEEVE FOR EACH PIPE. FOR PIPE SIZES UNDER 1 ¼", MULTIPLE PIPES MAY PENETRATE WALL THROUGH A COMMON SLEEVE - SEAL SPACE BETWEEN MULTIPLE PIPES WATER TIGHT WITH MASTIC AND PACK SPACE BETWEEN PIPES WITH FIRE STOPPING INSULATION.
2.) PIPE INSULATION AND VAPOR BARRIER TO BE CONTINUOUS THROUGH ENTIRE PENETRATION.
3.) SLEEVE AROUND PIPE INSULATION MUST BE SEAELED WATER TIGHT TO EXTERIOR WALL SURFACE

3 PIPE PENETRATION DETAIL
SCALE: NONE



NOTES:
1. FOR DUCTS OVER 49" WIDE, THE STRAP HANGER SHALL BE TURNED UNDER THE BOTTOM OF THE DUCT.
2. WHERE EXISTING BUILDING STRUCTURAL COMPONENTS HAVE FIREPROOF MATERIAL, ANY AREA THAT IS DISTURBED OR DAMAGED AS A RESULT OF HANGER INSTALLATION SHALL BE PATCHED WITH UL AND FM APPROVED FIREPROOFING TO MATCH EXISTING.
3. ALL ANCHORS AND INSERTS SHALL HAVE NEW YORK CITY BOARD OF STANDARD AND APPEALS, (BSA) APPROVAL.

HANGER STRAP SCHEDULE		
DUCT SIZE	HANGER SIZE	MAXIMUM SPACING
UP TO 2 SQ. FT.	1" x 1/16"	8'-0"
2 SQ. FT. TO 4 SQ. FT.	1" x 1/8"	8'-0"
4 SQ. FT. TO 10 SQ. FT.	1" x 1/8"	6'-0"
OVER 10 SQ. FT.	1" x 1/8"	4'-0"

4 DUCT HANGER DETAIL
SCALE: NONE

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

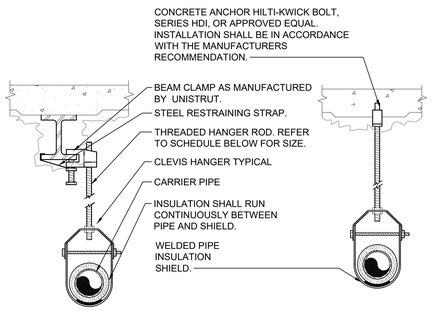
MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

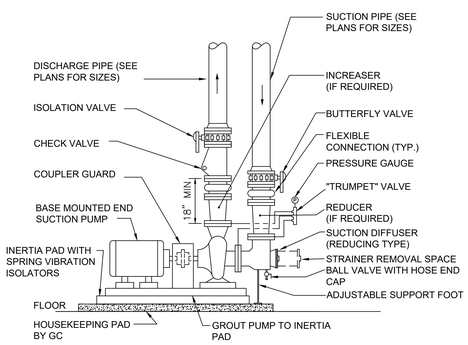
CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100



PIPE HANGER SCHEDULE					
PIPE DIA.	3/4"-2"	2 1/2"-3"	4"-5"	6"	8"-12"
HANGER DIA.	3/8"	1/2"	5/8"	3/4"	7/8"

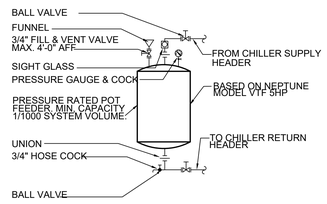
NOTES:
1.) CLEVIS HANGERS WITH WELDED INSULATION SHIELDS SIMILAR TO RAUCH FIG. 100SH ON ALL PIPES LARGER THAN 1".
2.) FOR PIPES 1" OR SMALLER, A BAND HANGER WITH INSULATION SHIELD MAY BE USED SIMILAR TO RAUCH FIG. NO. 1ASH.
3.) FOR NON-INSULATED PIPE, INSULATION SHIELDS MAY BE OMITTED.
4.) ALL PIPE HANGERS SHALL BE GALVANIZED STEEL OR FACTORY PAINTED BLACK WITH ENAMEL.
5.) FOR NON FERROUS PIPING WITHOUT INSULATION, ALL HANGERS SHALL BE COPPER PLATED OR FURNISHED WITH A DI-ELECTRIC BETWEEN PIPE AND HANGERS.
6.) WHERE EXISTING BUILDING STRUCTURAL COMPONENTS HAVE FIREPROOF MATERIAL, ANY AREA THAT IS DISTURBED OR DAMAGED AS A RESULT OF HANGER INSTALLATION SHALL BE PATCHED WITH UL AND FM APPROVED FIREPROOFING TO MATCH EXISTING.
7.) ALL ANCHORS AND INSERTS SHALL HAVE NEW YORK CITY BOARD OF STANDARD AND APPEALS, (BSA) APPROVAL.

5 PIPE HANGER DETAIL
SCALE: NONE

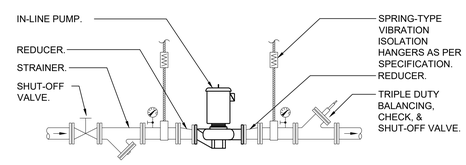


NOTE:
SUPPORT SUCTION AND DISCHARGE PIPES SO THAT NO LOAD IS IMPOSED ON PUMP CASING.

6 END SUCTION PUMP PIPING DETAIL SOLID BASE
SCALE: NONE



7 CHEMICAL SHOT FEEDER DETAIL
SCALE: NONE



NOTES:
1.) HANG IN-LINE PUMP FROM BUILDING STRUCTURE WITH VIBRATION ISOLATORS.
2.) REFER TO PLANS FOR PIPE SIZES.

8 IN-LINE PUMP DETAIL
SCALE: NONE

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY
80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

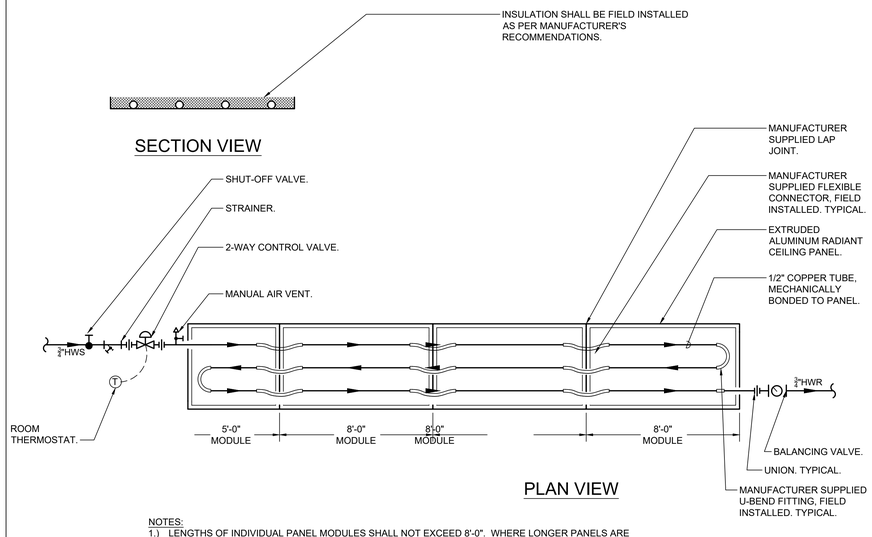
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

MECHANICAL DETAILS

PROJECT NO.: 2578-02
SCALE: AS NOTED

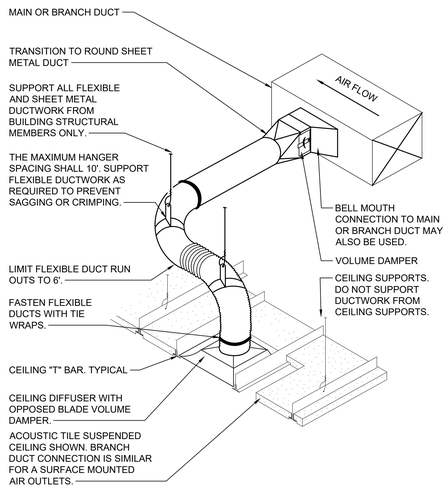
DRAWING NO.:
M-7.1

one eighth inch = one foot
0 1 2 4 8 16



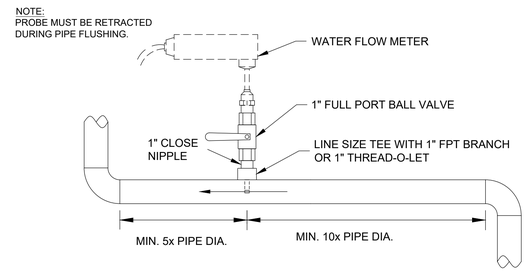
NOTES:
1.) LENGTHS OF INDIVIDUAL PANEL MODULES SHALL NOT EXCEED 8'-0". WHERE LONGER PANELS ARE INDICATED ON THE PLANS, USE MULTIPLE MODULES CONNECTED TOGETHER IN SERIES WITH MANUFACTURER SUPPLIED INTERCONNECT FITTINGS, U-BENDS, AND LAP JOINTS AT THE SEAMS.
2.) TYPICAL 29'-0" LONG ASSEMBLY IS SHOWN ABOVE.
3.) BALANCE EACH ASSEMBLY FOR 1.0 GPM.
4.) HANG FROM BUILDING STRUCTURE.

1 RADIANT CEILING PANEL SCHEMATIC
SCALE: NONE



NOTES:
1. THIS BRANCH DUCT ARRANGEMENT IS SIMILAR FOR PLENUM SLOT DIFFUSERS.

2 FLEXIBLE DUCT CONNECTION DETAIL
SCALE: NONE



WATER METER PROBE MUST BE INSTALLED IN UPPER 180° OF PIPE, FOR HORIZONTAL PIPE. ANY CIRCUMFERENTIAL LOCATION IS ACCEPTABLE, FOR VERTICAL PIPE.

3 WATER FLOW METER HOOK-UP DETAIL
SCALE: NONE

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

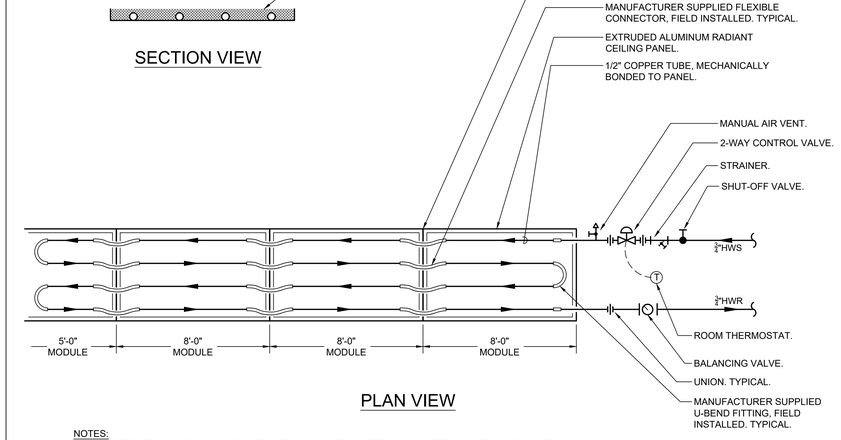
MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

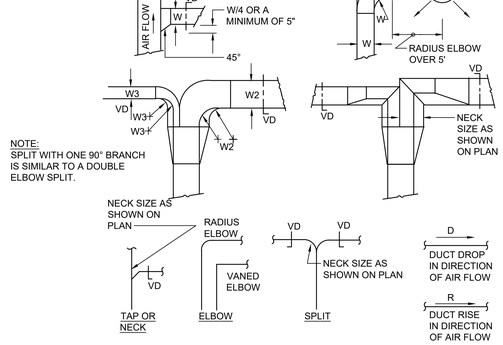
GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100



NOTES:
1.) LENGTHS OF INDIVIDUAL PANEL MODULES SHALL NOT EXCEED 8'-0". WHERE LONGER PANELS ARE INDICATED ON THE PLANS, USE MULTIPLE MODULES CONNECTED TOGETHER IN SERIES WITH MANUFACTURER SUPPLIED INTERCONNECT FITTINGS, U-BENDS, AND LAP JOINTS AT THE SEAMS.
2.) TYPICAL 29'-0" LONG ASSEMBLY IS SHOWN ABOVE.
3.) BALANCE EACH ASSEMBLY FOR 1.0 GPM.
4.) HANG FROM BUILDING STRUCTURE.

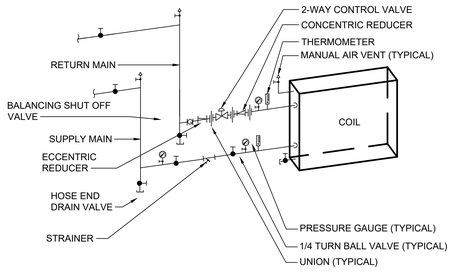
4 RADIANT CEILING PANEL SCHEMATIC
SCALE: NONE



NOTE:
SPLIT WITH ONE 90° BRANCH IS SIMILAR TO A DOUBLE ELBOW SPLIT.

NOTES:
1. SINGLE LINE REPRESENTATIONS REFER TO DOUBLE LINE DETAILS.
2. USE RADIUS OR SQUARE VANED BENDS FOR BOTH ELBOWS AND SPLITS AS DETERMINED BY SPACE LIMITATIONS, AND THE DISTANCE FROM AIR OUTLETS.
3. ALL SQUARE ELBOWS SHALL HAVE FACTORY TURNING VANES, AND MAINTAIN A CONSTANT WIDTH.
4. WHERE DUCTS SPLIT, THE SOLID LINE REPRESENTATION IS PREFERRED, UNLESS PRECLUDED BY SPACE, OR OTHERWISE INDICATED.
5. USE ELBOW SPLIT FOR BRANCH CONNECTIONS ONLY WHERE NECK SIZE IS GIVEN.

5 DUCT BRANCH TAKE-OFF DETAIL
SCALE: NONE



NOTES:
1.) LOCATE ALL COIL UNIONS CLOSE TO, AND CLEAR OF, COIL. ARRANGE PIPING SO AS NOT TO NOT INTERFERE WITH COIL REMOVAL.
2.) DETAIL IS TYPICAL FOR UNIT VENTILATORS, CABINET UNIT HEATERS, FAN COIL UNITS, AND AIR HANDLING UNITS.
3.) PROVIDE FLEXIBLE CONNECTION FOR THOSE COILS MOUNTED IN UNITS ON VIBRATION ISOLATORS.

HYDRONIC COIL WITH 2-WAY VALVE PIPING DETAIL
6 SCALE: NONE

PIPE SIZE SCHEDULE

PIPE SIZE	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
MAX. GPM	2	3.5	7	13	22	45	70	130	260

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

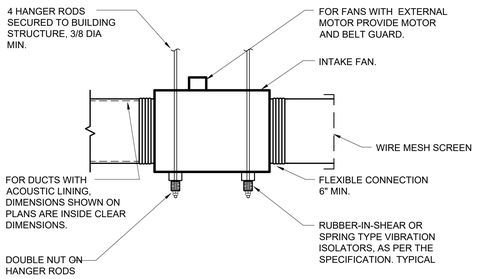
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

MECHANICAL DETAILS

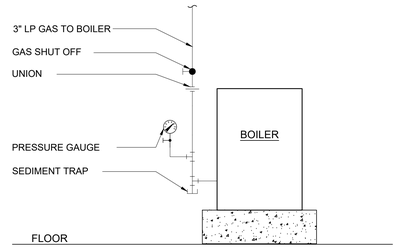
PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:
M-7.2

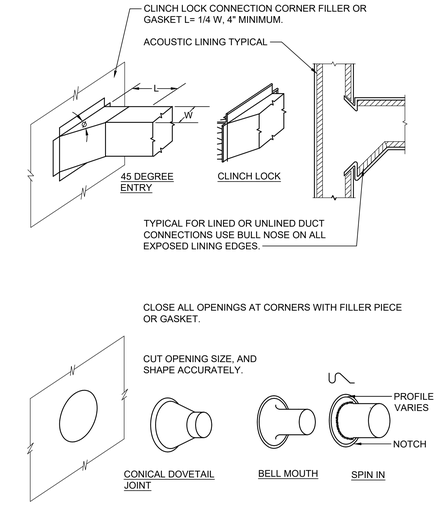
one eighth inch = one foot
0 4 8 16



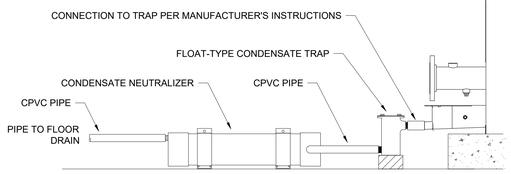
1 INLINE FAN DETAIL
SCALE: NONE



2 BOILER GAS PIPING DETAIL
SCALE: NONE

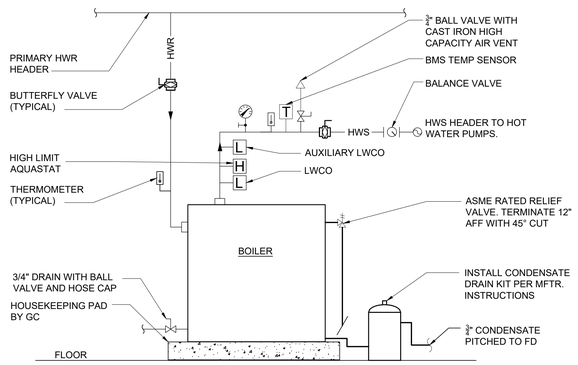


3 DUCT BRANCH CONNECTION DETAIL
SCALE: NONE

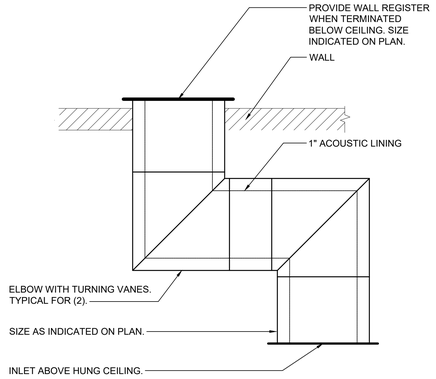


NOTES:
1. UTILIZE CPVC FOR ALL FIELD PIPING BETWEEN THE CONDENSATE TRAP AND NEUTRALIZER, OR TUBING AS PROVIDED BY THE BOILER MANUFACTURER.
2. BOILER TO BE INSTALLED ON A MINIMUM 4" HOUSEKEEPING PAD. CONDENSATE TRAP TO BE SUPPORTED AND ACID NEUTRALIZER INSTALLED ON MER FLOOR TO ALLOW CONDENSATE TO DRAIN FREELY, BY GRAVITY, TO A CONVENIENT FLOOR DRAIN.
3. CONDENSATE NEUTRALIZER TO BE SIZED BY BOILER MANUFACTURER BASED ON MAXIMUM CONDENSATE FLOW OVER A 1 YEAR PERIOD.
4. A DEDICATED CONDENSATE NEUTRALIZER SHALL BE SUPPLIED FOR ALL COMMON VENTING DRAINS.

4 CONDENSATE NEUTRALIZER DETAIL
SCALE: NONE



5 HOT WATER BOILER PIPING DETAIL
SCALE: NONE



6 TRANSFER DUCT DETAIL
SCALE: NONE

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

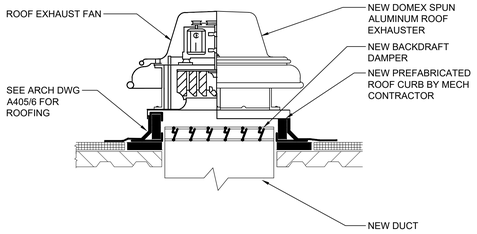
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

MECHANICAL DETAILS

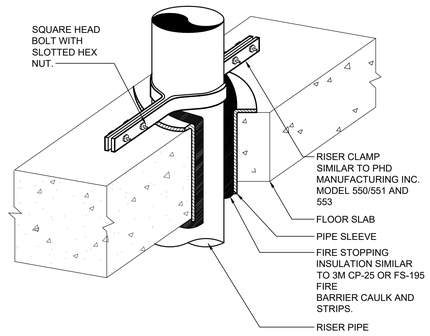
PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:
M-7.3



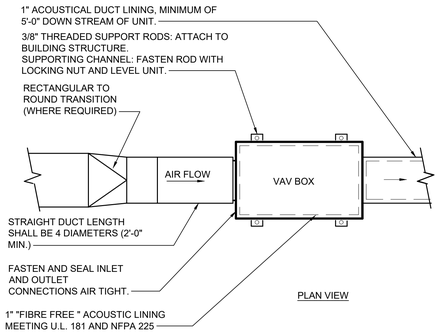
NOTES:
1. SEE ARCH. DRAWINGS FOR FLASHING AND COUNTER FLASHING DETAILS

1 ROOF TOP EXHAUST FAN DETAIL
SCALE: NONE



NOTES:
1. SQUARE HEAD BOLT WITH SLOTTED HEX NOT TO NOT BE USED IN FINISHED AREAS OR TO BE CONCEALED IN PARTITION

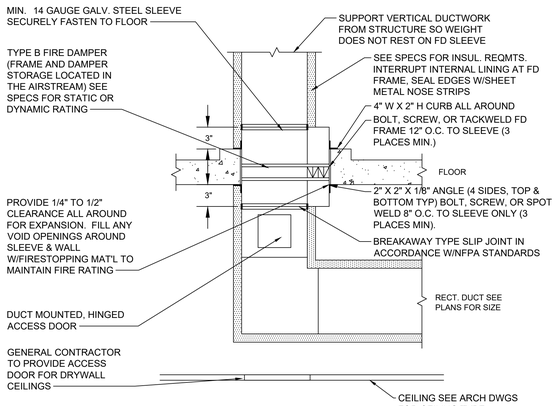
2 VERTICAL PIPE SUPPORT DETAIL
SCALE: NONE



PLAN VIEW

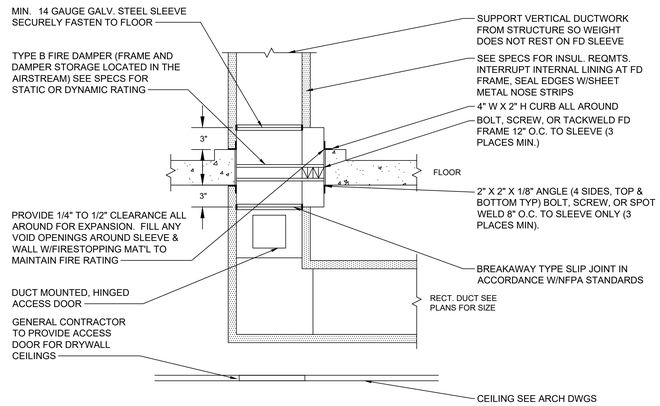
NOTES:
1.) THE OPERATION OF VARIABLE VOLUME TERMINAL UNITS ARE AFFECTED BY EXCESSIVE TURBULENCE ON THE ENTERING SIDE OF EACH TERMINAL UNIT. THEREFORE, TERMINAL UNITS MUST NOT BE INSTALLED TO CLOSE TO MAIN DUCTS, ELBOWS AND FITTINGS.
2.) WHEN MINIMUM UPSTREAM STRAIGHT DUCT CONNECTION TO TERMINALS AS INDICATED ABOVE CANNOT BE MAINTAINED, PROVIDE ORIFICE PLATE, STRAIGHTENING VANES OR OTHER DEVICE AS RECOMMENDED BY TERMINAL UNIT MANUFACTURER AND SUBMIT TO ENGINEER FOR REVIEW PRIOR TO INSTALLATION.
3.) TERMINAL UNITS SHALL BE PROVIDED WITH CONTROLS ON LEFT OR RIGHT SIDE AS REQUIRED BY FIELD CONDITIONS. FOR UNITS WITH ELECTRONIC CONTROLS FURNISH NEMA 1 RATED ENCLOSURE AND U.L. II TRANSFORMER AND DISCONNECT SWITCH.
4.) ARRANGE ACCESS TO PERMIT EASY FIELD BALANCING AND MAINTENANCE.
5.) COORDINATE THE LOCATION, SIZE, AND QUANTITY OF REQUIRED ACCESS DOORS. INDICATE REQUIREMENT IN SHEET-METAL SHOP DRAWING SUBMITTAL FOR COORDINATION WITH G.C.

3 VARIABLE AIR VOLUME (VAV) BOX INSTALLATION DETAIL
SCALE: NONE



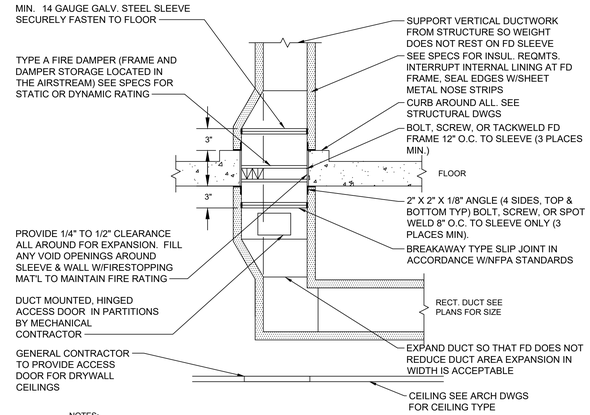
NOTES:
1. INSTALL FIRE DAMPER WHERE SHOWN ON THE PLANS IN ACCORDANCE WITH NFPA, UL, LOCAL BULDING/FIRE CODES, AUTHORITY HAVING JURISDICTION, AND MANUFACTURER'S PRINTED INSTRUCTIONS. FIRE DAMPER SHALL BE INTERLOCKING BLADE OR EXPANDING CURTAIN TYPE FIRE DAMPER WITH UL RATING AND STAMP.
2. FIRE DAMPER RATING SHALL MATCH WALL RATING. ACCESS DOORS SHALL BE INSTALLED ON THE SIDE OR BOTTOM OF DUCT IN ACCESSIBLE LOCATION. PROPERLY LABEL ACCESS DOOR. LOCATE AND SIZE ACCESS DOOR TO PROPERLY MAINTAIN AND INSPECT FIRE DAMPER. PROVIDE
3. DOUBLE WALL INSULATED ACCESS DOORS IN INSULATED DUCTWORK. FOR DYNAMIC RATED FIRE DAMPERS, PROVIDE BLOWOUT PANEL OR BLOWOUT TYPE ACCESS DOOR UPSTREAM OF FIRE DAMPER.

4 FLOOR MOUNTED, TYPE B, FIRE DAMPER
SCALE: NONE



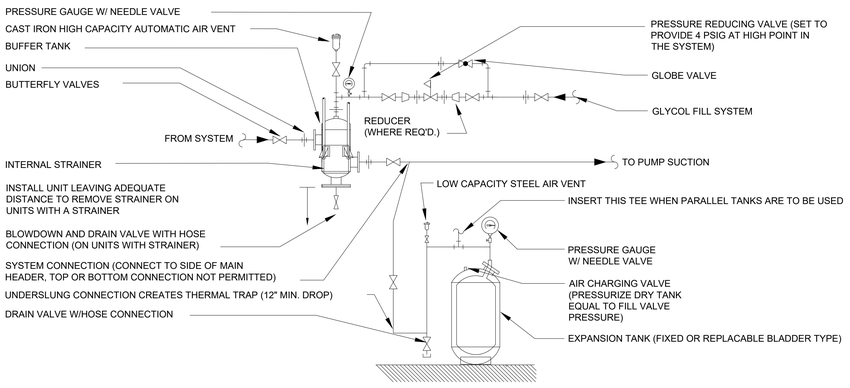
NOTES:
1. INSTALL FIRE DAMPER WHERE SHOWN ON THE PLANS IN ACCORDANCE WITH NFPA, UL, LOCAL BULDING/FIRE CODES, AUTHORITY HAVING JURISDICTION, AND MANUFACTURER'S PRINTED INSTRUCTIONS. FIRE DAMPER SHALL BE INTERLOCKING BLADE OR EXPANDING CURTAIN TYPE FIRE DAMPER WITH UL RATING AND
2. STAMP. FIRE DAMPER RATING SHALL MATCH WALL RATING. ACCESS DOORS SHALL BE INSTALLED ON THE SIDE OR BOTTOM OF DUCT IN ACCESSIBLE LOCATION. PROPERLY LABEL ACCESS DOOR. LOCATE AND SIZE ACCESS DOOR TO PROPERLY MAINTAIN AND INSPECT FIRE DAMPER.
3. PROVIDE DOUBLE WALL INSULATED ACCESS DOORS IN INSULATED DUCTWORK.
4. FOR DYNAMIC RATED FIRE DAMPERS, PROVIDE BLOWOUT PANEL OR BLOWOUT TYPE ACCESS DOOR UPSTREAM OF FIRE DAMPER.

5 FLOOR MOUNTED, TYPE C, FIRE DAMPER
SCALE: NONE



NOTES:
1. INSTALL FIRE DAMPER WHERE SHOWN ON THE PLANS IN ACCORDANCE WITH NFPA, UL, LOCAL BULDING/FIRE CODES, AUTHORITY HAVING JURISDICTION, AND MANUFACTURER'S PRINTED INSTRUCTIONS. FIRE DAMPER SHALL BE INTERLOCKING BLADE OR EXPANDING CURTAIN TYPE FIRE DAMPER WITH UL RATING AND STAMP.
2. FIRE DAMPER RATING SHALL MATCH WALL RATING. ACCESS DOORS SHALL BE INSTALLED ON THE SIDE OR BOTTOM OF DUCT IN ACCESSIBLE LOCATION. PROPERLY LABEL ACCESS DOOR. LOCATE AND SIZE ACCESS DOOR TO PROPERLY MAINTAIN AND INSPECT FIRE DAMPER. PROVIDE DOUBLE
3. WALL INSULATED ACCESS DOORS IN INSULATED DUCTWORK.
4. FOR DYNAMIC RATED FIRE DAMPERS, PROVIDE BLOWOUT PANEL OR BLOWOUT TYPE ACCESS DOOR UPSTREAM OF FIRE DAMPER.

6 FLOOR MOUNTED, TYPE A, FIRE DAMPER
SCALE: NONE



7 BUFFER TANK AND EXPANSION TANK DETAIL (VERTICAL FLOOR MOUNTED - REPLACEABLE BLADDER)
SCALE: NONE

one eighth inch = one foot 1/8" = 1'-0"

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY
80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

MECHANICAL DETAILS

PROJECT NO.: 2578-02 | SCALE: AS NOTED

DRAWING NO.:
M-7.4

SYMBOLS AND ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION
	-	CONDUIT AND WIRING
	-	CONDUIT & WIRING TO BE REMOVED UON
UG	-	BURIED CONDUIT
OH	-	OVERHEAD CONDUCTORS
	-	HOMERUN TO PANEL, ARROWS INDICATE # 1P
	-	MULTI-POLE HOMERUN
	-	ELECTRICAL EQUIPMENT AS INDICATED
	-	ELECTRICAL EQUIPMENT TO BE REMOVED UON
M	-	ELECTRIC METER
J	-	JUNCTION BOX
	-	FUSED DISCONNECT SWITCH
	-	UNFUSED DISCONNECT SWITCH
	-	COMBINATION MOTOR STARTER/FUSED DISC.
VFD	-	VARIABLE FREQUENCY DRIVE
	-	MOTOR
	-	TV OUTLET
	-	EXIT LIGHT, FACES-SHADED, CHEVRON-ARROW
PV	-	OUTDOOR PHOTOCONTROL
S_x	-	SINGLE POLE SWITCH (x - INDICATES FIXTURE BEING CONTROLLED)
S_M	-	MOTOR RATED TOGGLE SWITCH
	-	WALL MOUNTED OCCUPANCY
S_K	-	KEY OPERATED SINGLE POLE SWITCH
S_{LV}	-	WALL MOUNTED LOW VOLTAGE SWITCH
OC	-	CEILING MOUNTED OCCUPANCY SENSOR,
U	-	DUPLEX RECEPTACLE. U = USB
	-	DOUBLE DUPLEX RECEPTACLE
	-	SPECIAL RECEPTACLE
	-	TELEPHONE OUTLET
x	-	DATA OUTLET (x - INDICATES # OF JACKS, 1 JACK UON)
P	-	FURNITURE SYSTEM POWER FEED
C	-	FURNITURE SYSTEM COMMUNICATION FEED
	CB	CIRCUIT BREAKER
	-	ENCLOSED CIRCUIT BREAKER
20/60 15/40	-	FUSED SWITCH
NG	-	NATURAL GAS DETECTOR
OR	GND	GROUND AS PER LOCAL CODE
OR	-	GROUND ROD
	-	TRANSFER SWITCH
OR T	XFMR	TRANSFORMER
	CT	CURRENT TRANSFORMER
B	-	BOILER BREAK GLASS STATION
	NC	NORMALLY CLOSED CONTACTS
	NO	NORMALLY OPEN CONTACTS
	CV	CONTROL VALVE
F	-	FIRE ALARM MANUAL PULL STATION
F	-	FIRE ALARM STROBE 15/75 CD
F	-	FIRE ALARM COMBINATION AUDIO/VISUAL DEVICE (15/75 CD - STROBE)
S EL; SH; SC	-	SMOKE DETECTOR. EL - ELEVATOR LOBBY; SH - SMOKE HATCH; SC - PLENUM RATED ABOVE CEILING
H	-	HEAT DETECTOR
TS	-	FIRE ALARM TAMPER SWITCH
WF	-	FIRE ALARM WATER FLOW SWITCH
ANN	-	FIRE ALARM ANNUNCIATOR PANEL
	EOL	END OF LINE RESISTOR
FACP	FACP	FIRE ALARM CONTROL PANEL
CFSD	-	COMBINATION FIRE/SMOKE DAMPER.
S AC	-	DUCT MOUNTED SMOKE DETECTOR
R	-	FIRE ALARM RELAY
CM	CM	FIRE ALARM CONTROL MODULE
UH	UH	UNIT HEATER
	A	AMPERE(S)
	AC	AIR CONDITIONER
	ACC	AIR CONDITIONER CONDENSER
	AF	AMPERAGE OF FUSE
	AHU	AIR HANDLING UNIT
	AL	ALUMINIUM
	AS	AMPERAGE OF SWITCH
	AWG	AMERICAN WIRE GAUGE

SYMBOL	ABBREVIATION	DESCRIPTION
	BLDG	BUILDING
	C	CONDUIT
	CB	CIRCUIT BREAKER
	CU	COPPER
	DEM.	DEMOLISH AND REMOVE
	DISC	DISCONNECT
	DIM	DIMMER
	DWG	DRAWING
	EMT	ELECTRICAL METALLIC TUBING
	EM	EMERGENCY
	EX.	EXISTING TO REMAIN
	FLR	FLOOR
	FBO	FURNISHED BY OTHERS
	GFI	GROUND FAULT INTERRUPTER
	HP	HORSEPOWER
	IMC	INTERMEDIATE METAL CONDUIT
	KVA	KILO-VOLT-AMPERE
	KW	KILO-WATT
	MCB	MAIN CIRCUIT BREAKER
	MIN	MINIMUM
	MLO	MAIN LUG ONLY
	P	POLE
	REL.	REMOVE AND RELOCATE
	RGS	RIGID GALVANIZED STEEL
	RTU	ROOF TOP UNIT
	SPD	SURGE PROTECTION DEVICE
	SW	SWITCH(ES)
	TYP	TYPICAL
	UG	UNDERGROUND
	UON	UNLESS OTHERWISE NOTED
	VIF	VERIFY IN FIELD
	V	VOLT(S)
	WH	WATER HEATER
	WP	WEATHERPROOF

NOTES:
1.) ALL SYMBOLS AND ABBREVIATIONS MAY NOT BE APPLICABLE FOR THIS PROJECT.
2.) SEE LIGHTING FIXTURE SCHEDULE FOR LIGHT FIXTURE SYMBOLS.

TRENCHING NOTES

1. CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES THAT ARE NOT PART OF N.Y. STATE "CODE 753" PRIOR TO DIGGING.
2. ALL EXCAVATING IN THE AREA OF THE EXISTING UNDERGROUND EQUIPMENT, PIPES AND CONDUITS SHALL BE PERFORMED BY HAND.
3. ANY AREA/PLANTS OR LANDSCAPING OR PAVEMENTS DISTURBED DURING THE EXCAVATION SHALL BE RESTORED OR REPLACED TO MATCH EXISTING CONDITIONS BY THE CONTRACTOR AT NO COST TO THE OWNER.
4. ANY EXISTING BURIED CONDUITS, DRAINAGE, SPRINKLER PIPING, ETC. THAT IS DISTURBED AND/OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
5. THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURES, ABOVE GROUND STRUCTURES AND/OR UTILITIES BELIEVED TO EXIST IN THE WORKING AREA, EXACT LOCATION OF WHICH MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY OR MAY NOT BE SHOWN; AND IT SHALL BE HIS RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. 48 HOURS BEFORE YOU DIG, DRILL OR BLAST, CALL 1-800-962-7962 (NY STATE).

DEMOLITION NOTES:

1. ALL EQUIPMENT SHALL BE DISCONNECTED BY ELECTRICAL CONTRACTOR, AND WIRING SHALL BE REMOVED BACK TO POWER SOURCE ORIGINATION BY GENERAL CONTRACTOR UNLESS OTHERWISE NOTED (UON) EXISTING TO REMAIN (EX.).
2. CONTRACTOR SHALL VERIFY EXTENT OF DEMOLITION WORK IN THE FIELD PRIOR TO BID AND SHALL INCLUDE ALL LABOR AND MATERIALS IN BASE BID INCLUDING ALL TEMPORARY CONNECTIONS, CONDUIT AND WIRE IN ORDER TO ACCOMMODATE CONSTRUCTION AND PROVIDE CONTINUOUS SERVICE TO DEVICES AND SYSTEMS TO REMAIN, TEMPORARY AND PERMANENTLY. WORK REQUIRING THE SHUT-DOWN OF THE BUILDING POWER SHALL BE PERFORMED DURING OVERTIME AND SHALL BE INCLUDED IN BASE BID.
3. CIRCUIT BREAKER, CONDUIT AND CONDUCTOR SIZES INDICATED SHALL BE FIELD VERIFIED PRIOR TO BID.
4. ALL EXISTING ELECTRICAL EQUIPMENT NO LONGER IN USE, SUCH AS DISCONNECT SWITCHES, MOTOR CONTROLLERS, MOTOR STARTER PANELS, ETC. SHALL BE REMOVED UON.

GENERAL NOTES

1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED (UON) EXISTING TO REMAIN (EX.).
2. THE DRAWINGS ARE TO BE CONSIDERED SCHEMATIC ONLY AND DO NOT NECESSARILY SHOW THE EXACT LOCATIONS AND DETAILS OF THE WORK TO BE INSTALLED.
3. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND PAYING ALL FEES ASSOCIATED WITH THIS WORK INCLUDING FILING WITH THE UTILITY COMPANY (AS REQUIRED), AND WITH LOCAL AUTHORITY HAVING JURISDICTION.
4. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO HIRE A THIRD PARTY ELECTRICAL INSPECTION AGENCY TO PROVIDE UL INSPECTIONS AND SUBMIT A CERTIFICATE OF INSPECTION PRIOR TO FINAL REQUEST FOR PAYMENT.
5. ALL WORK INVOLVING THE ELECTRIC SERVICE SHALL BE COORDINATED AND APPROVED BY THE UTILITY COMPANY.
6. ALL CONDUCTORS SHALL BE COPPER UON ON DRAWINGS.
7. ELECTRONIC FILES OF THE MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DRAWINGS ARE AVAILABLE TO THE CONTRACTOR. THE ENGINEER MAY GRANT THE CONTRACTOR A LIMITED LICENSE TO MAKE A DERIVATIVE WORK OF THE DATABASE FOR THE PURPOSE OF SHOP DRAWINGS, SUBMITTALS AND AS-BUILT DRAWINGS. UPON REQUEST, THE ENGINEER SHALL PROVIDE A RELEASE FORM THAT MUST BE SIGNED AND RETURNED BY THE CONTRACTOR PRIOR TO RELEASE OF THE ELECTRONIC FILES.
8. CIRCUIT NUMBERS ARE FOR INFORMATION PURPOSES ONLY. ACTUAL CIRCUIT NUMBERS SHALL BE DETERMINED IN FIELD.
9. CORE DRILLING OR TRENCHING THROUGH AN EXISTING FLOOR SLAB, WHEN REQUIRED, SHALL BE COORDINATED WITH THE OWNER. FLOOR SLABS SHALL BE RADAR SCANNED PRIOR TO CORE DRILLING OR TRENCHING. ALL WORK, INCLUDING CORE DRILLING, RADAR SCAN, INSTALLATION OF FIRE STOPPING, & CONDUIT/CABLE INSTALLATION SHALL BE PERFORMED DURING NON-BUSINESS HOURS AND INCLUDED IN BASE BID. USE EXTREME CAUTION DURING ANY CUTTING OPERATION TO AVOID DAMAGE TO EXISTING EQUIPMENT/SYSTEMS. ANY ITEMS DAMAGED AS A RESULT OF CORE DRILLING SHALL BE REPAIRED AT NO COST TO THE CLIENT. ALL CORES SHALL BE FIRE SEALED.
10. FOR EACH WALL MOUNTED COMMUNICATION OUTLET, PROVIDE A 1900 JUNCTION BOX WITH AN EXTENDER COLLAR AND 1 INCH CONDUIT WITH DRAGLINE 6 INCHES ABOVE ACCESSIBLE CEILING FOR INSTALLATION OF CABLE BY OTHERS
11. COMMUNICATION WIRING BY OTHERS. COORDINATE COMMUNICATION JACKS WITH REPRESENTATIVE, TYPICAL.
12. WHERE GFI RECEPTACLES ARE CIRCUITED WITH GENERAL CONVENIENCE RECEPTACLES, THE GFI RECEPTACLE SHALL BE THE LAST DEVICE ON THE CIRCUIT.
13. INSTALL CONDUIT EXPANSION FITTINGS AT ALL LOCATIONS WHERE CONDUITS CROSS BUILDING OR STRUCTURE EXPANSION JOINTS.
14. UNLESS OTHERWISE NOTED, DISCONNECT SWITCHES, STARTERS, HOAS AND MOTOR RATED TOGGLE SWITCHES FOR MECHANICAL PUMPS, CABINET AND UNIT HEATERS, RETURN FANS, ROOF FANS, VAV BOXES, COMPRESSORS, FAN COIL UNITS, AIR HANDLERS AND CONDENSERS SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. COORDINATE ALL WORK WITH THE MECHANICAL CONTRACTOR.
15. DISCONNECT SWITCHES FOR MOTORIZED DAMPERS, CFSD/SD AND VAV BOXES SUPPLIED BY MECHANICAL CONTRACTOR AND INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR. SWITCHES NOT SHOWN ON PLANS.
16. ALL CONDUCTORS INSTALLED BETWEEN VFDs AND ASSOCIATED MOTORS SHALL BE XHHW-2, 1000V IN RGS, IMC, EMT, FMC, OR LFMC.
17. INCLUDE IN BASE BID (4) 1P-20A CIRCUITS ON EACH LEVEL (150' LENGTH EACH) FOR HVAC SYSTEM CONTROL PANELS. EXACT LOCATION OF CONTROL PANELS SHALL BE COORDINATED WITH DIVISION 23 IN THE FIELD.
18. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, PAINTING, AND FINAL RESTORATION REQUIRED TO FACILITATE THE DEMOLITION AND INSTALLATION OF ALL ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO PANELBOARDS, CONDUITS, WIRING, DEVICES, FIXTURES, ETC. INCLUDING ABOVE CEILINGS. CONTRACTOR TO REMOVE AND REPLACE CEILINGS, AND OPEN AND PATCH WALLS, AS REQUIRED TO EXECUTE THE ELECTRICAL WORK.

DEFINITION OF TERMS

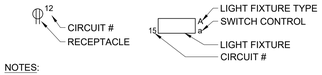
1. WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "CLIENT" IS USED, IT MUST BE UNDERSTOOD THAT "PEARL RIVER PUBLIC LIBRARY" IS INTENDED.
2. WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "ARCHITECT" IS USED, IT MUST BE UNDERSTOOD THAT "LOTHROP ASSOCIATES LLP ARCHITECTS" IS INTENDED.
3. WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "ENGINEER" IS USED, IT MUST BE UNDERSTOOD THAT "OLA CONSULTING ENGINEERS" IS INTENDED.
4. WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "ELECTRICAL UTILTY" OR "POWER COMPANY" ARE USED, IT MUST BE UNDERSTOOD THAT "ORANGE AND ROCKLAND UTILITIES, INC." IS INTENDED.
5. WHEREVER IN THE CONTRACT DOCUMENTS THE WORDS "TELEPHONE UTILITY" OR "TELCO" ARE USED, IT MUST BE UNDERSTOOD THAT "??????????????????" IS INTENDED.
6. WHEREVER IN THE CONTRACT DOCUMENTS THE WORDS "FIRE ALARM SYSTEM" OR "FIRE ALARM VENDOR" ARE USED, IT MUST BE UNDERSTOOD THAT "SAFENET SECURITY" IS INTENDED.
7. "WORK" MUST BE DEEMED TO CONSIST OF ALL LABOR AND OPERATIONS, TRANSPORTATION, HOISTING, MATERIALS, TOOLS, EQUIPMENT, SERVICES, INSPECTIONS, INVESTIGATIONS, COORDINATION AND SUPERVISION REQUIRED AND / OR REASONABLY NECESSARY TO PRODUCE THE CONSTRUCTION REQUIRED BY THE CONTRACT DOCUMENTS.
8. "FURNISH" MEANS THE DESIGN, FABRICATION, PURCHASE AND DELIVERY TO THE JOB SITE.
9. "INSTALL OR INSTALLATION" MEANS THE ACT OF PHYSICALLY PLACING, APPLYING, SETTING, ERECTING, ANCHORING, SECURING, ETC., CONSTRUCTION MATERIALS, EQUIPMENT, FURNISHINGS, APPLIANCES, AND SIMILAR ITEMS SPECIFIED AND FURNISHED AT THE JOB SITE. INSTALLATION OF SPECIFIED ITEMS MUST BE COMPLETE IN ALL RESPECTS.
10. "PROVIDE" MEANS TO FURNISH AND INSTALL CONSTRUCTION MATERIAL, EQUIPMENT, ETC. AS DEFINED ABOVE.

TYPICAL BRANCH CIRCUIT WIRING LEGEND

2-#12 & 1-#12 GND (1-1P-20A OR 1-1P-15A CB)

3-#12 & 1-#12 GND (3P-20A OR 3P-15A CB)

2-#12 & 1-#12 GND (2P-20A OR 2P-15A CB)



NOTES:
1. EACH 120V AND 277V CIRCUIT SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR. SHARED NEUTRAL HOMERUNS ARE NOT PERMITTED.
2. CONDUCTORS SHALL BE INCREASED FOR VOLTAGE DROP AND DERATING AS PER APPLICABLE ELECTRICAL CODE. FOR CIRCUITS THAT ARE BETWEEN 100' AND 150' IN LENGTH, PHASE AND NEUTRAL CONDUCTORS SHALL BE #10 AWG. FOR CIRCUITS THAT ARE BETWEEN 150' AND 225' IN LENGTH, PHASE AND NEUTRAL CONDUCTORS SHALL BE #8 AWG. FOR LENGTHS GREATER THAN 225' IN LENGTH, VERIFY CONDUCTOR SIZES WITH ENGINEER.

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY
80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

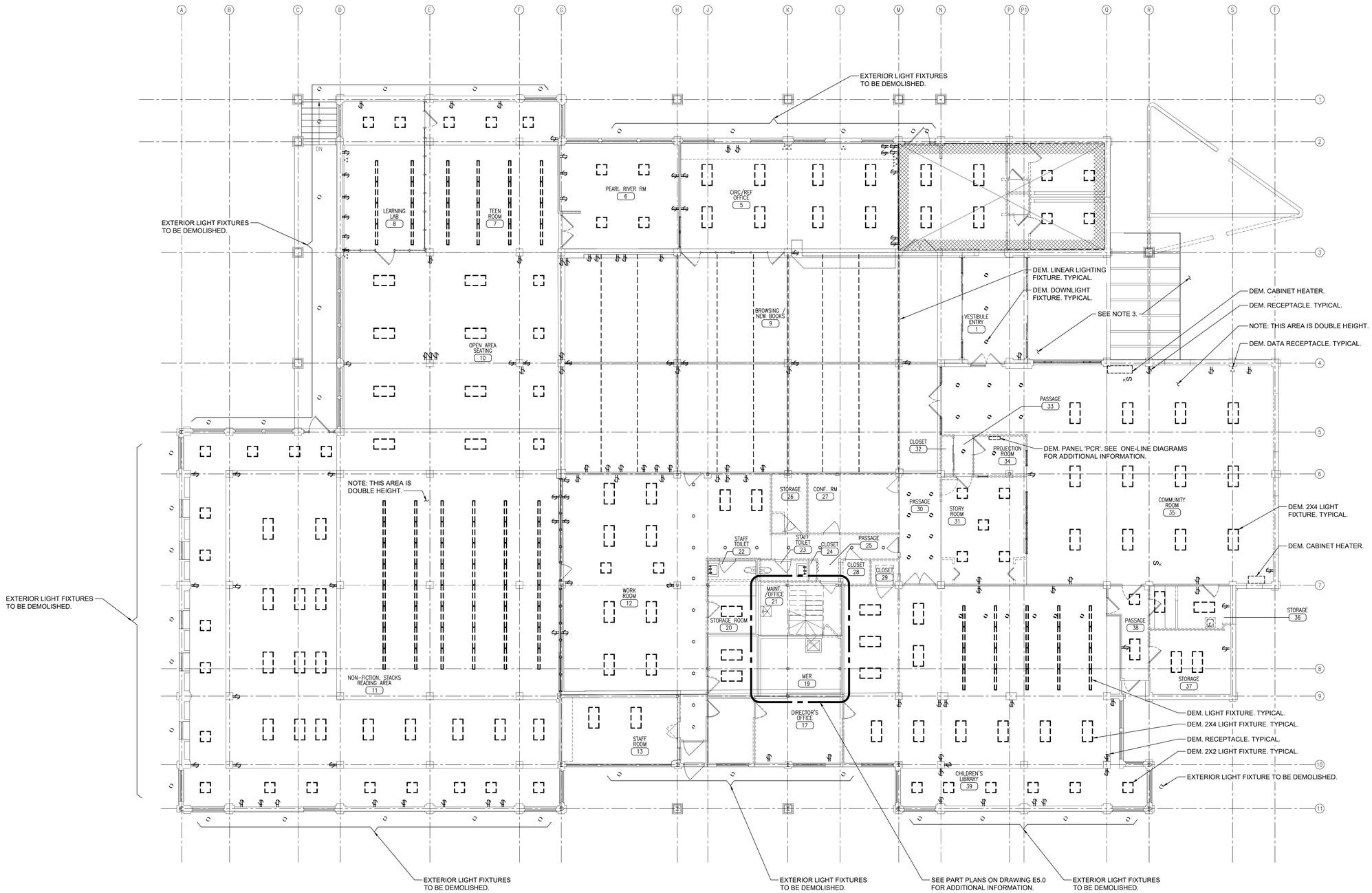
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ELECTRICAL SYMBOLS, ABBREVIATIONS AND NOTES

PROJECT NO.: 2578-02 SCALE: AS NOTED

DRAWING NO.:
E0.1

one eighth inch = one foot
0 4 8 16



1 ELECTRICAL FIRST FLOOR DEMOLITION PLAN

SCALE: 1/8" = 1'-0"

NORTH

NOTES:

1. SEE DEMOLITION NOTES ON DRAWING E0.1.
2. NOT ALL DEVICES, FIXTURES AND EQUIPMENT TO BE DEMOLISHED ARE INDICATED ON THESE DRAWINGS. CONTRACTOR SHALL INCLUDE ALL NECESSARY WORK REQUIRED TO DEMOLISH ALL ELECTRICAL, LIGHTING AND FIRE-ALARM DEVICES, FIXTURES, EQUIPMENT, WIRING AND ALL ASSOCIATED COMPONENTS THROUGHOUT, WHETHER INDICATED ON THESE PLANS OR NOT, UNLESS OTHERWISE NOTED.
3. DEMOLISH ELECTRICAL DEVICES, FIXTURES AND ASSOCIATED COMPONENTS AT ENTRYWAY TO ACCOMMODATE ENTRYWAY RECONFIGURATION.
4. CEILING HEIGHTS THROUGHOUT THE LIBRARY VARY, REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION INCLUDING EXACT HEIGHTS, DIMENSIONS AND ELEVATIONS.

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
7	12/20/24	ISSUED FOR NYSED PERMIT
6	11/22/24	CD PROGRESS REVIEW
5	09/26/24	CD PROGRESS REVIEW
4	06/05/24	ISSUED FOR NYSED SUBMISSION
3	05/30/24	PROGRESS REVIEW
2	05/15/24	95% REVIEW SET
1	04/30/24	PROGRESS REVIEW
	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

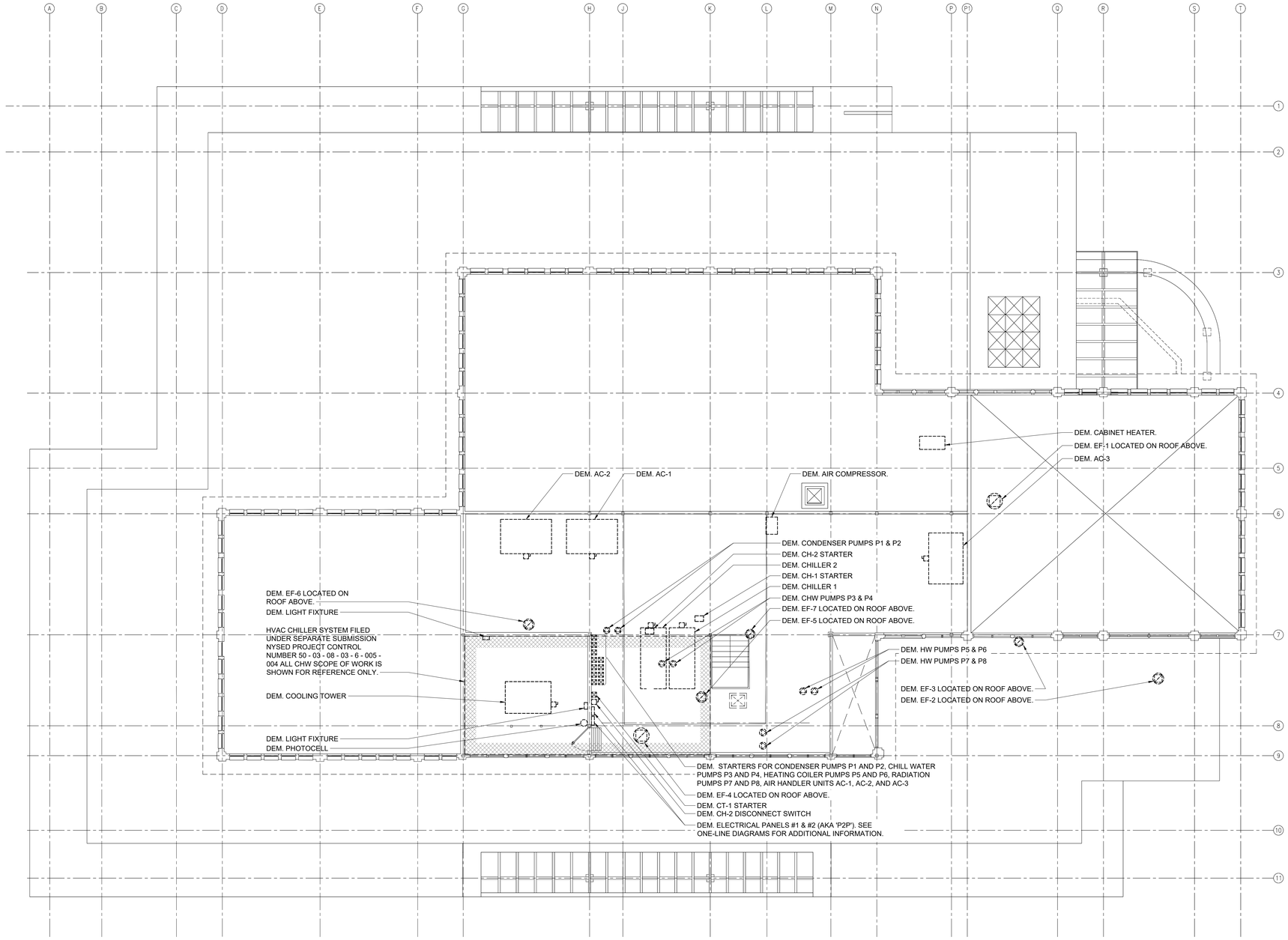
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ELECTRICAL FIRST FLOOR DEMOLITION PLAN

PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:

E1.0



1 ELECTRICAL SECOND FLOOR DEMOLITION PLAN

SCALE: 1/8" = 1'-0"

NORTH

NOTES:

1. SEE DEMOLITION NOTES ON DRAWING E0.1
2. NOT ALL DEVICES, FIXTURES AND EQUIPMENT TO BE DEMOLISHED ARE INDICATED ON THESE DRAWINGS. CONTRACTOR SHALL INCLUDE ALL NECESSARY WORK REQUIRED TO DEMOLISH ALL ELECTRICAL, LIGHTING AND FIRE-ALARM, DEVICES, FIXTURES, EQUIPMENT, WIRING AND ALL ASSOCIATED COMPONENTS THROUGHOUT, WHETHER INDICATED ON THESE PLANS OR NOT, UNLESS OTHERWISE NOTED.

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

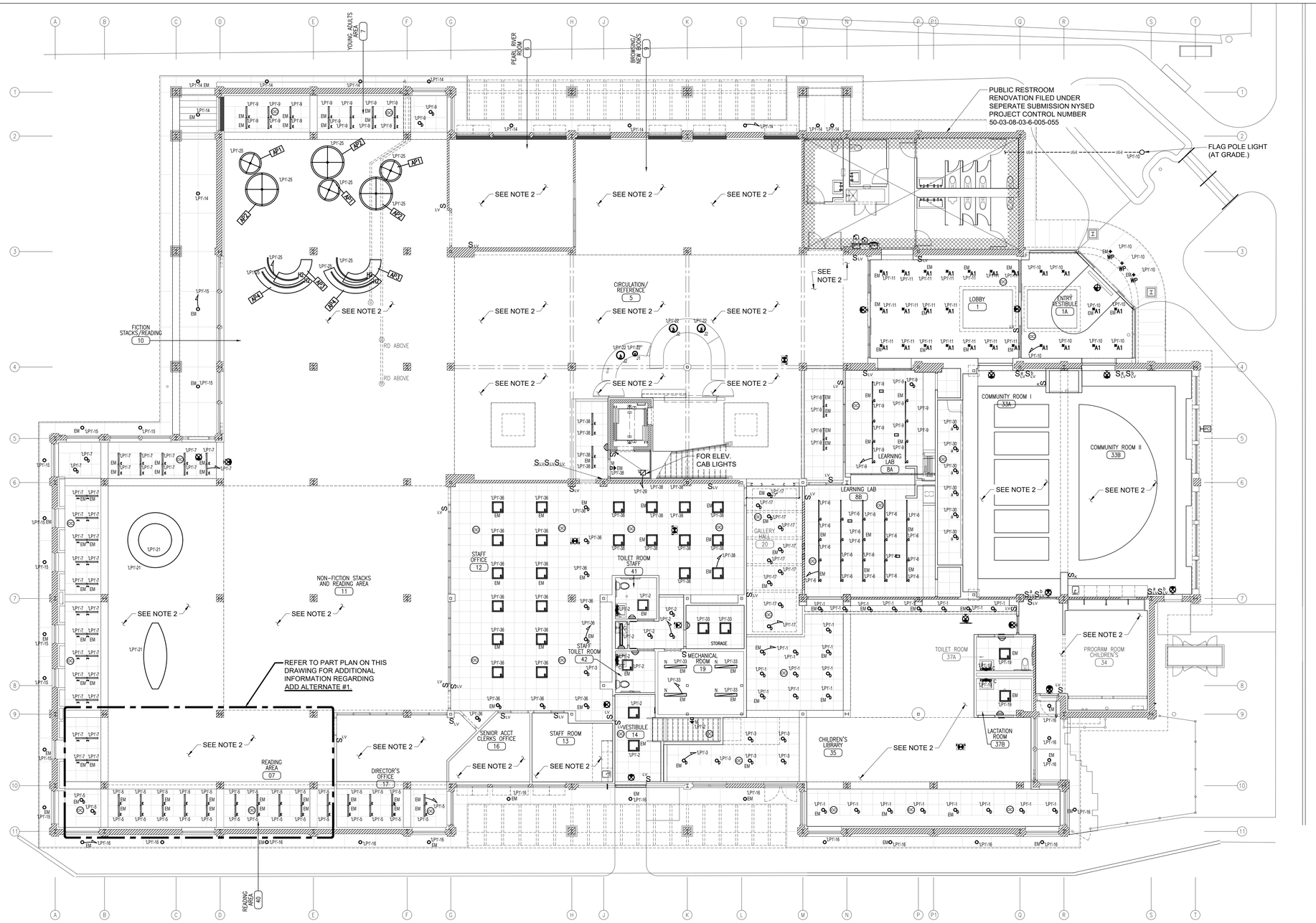
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ELECTRICAL SECOND FLOOR DEMOLITION PLAN

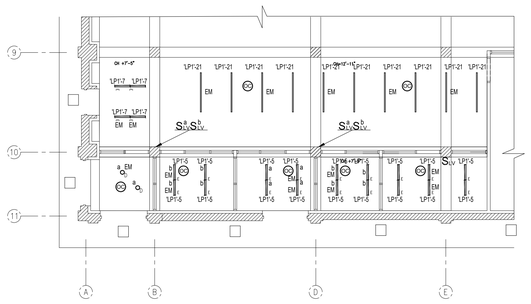
PROJECT NO.: 2578-02 | SCALE: AS NOTED

DRAWING NO.:

E1.1



1 ELECTRICAL FIRST FLOOR LIGHTING PLAN
NORTH
SCALE: 1/8" = 1'-0"



2 ELECTRICAL FIRST FLOOR ADD ALTERNATE E-01 PART LIGHTING PLAN
NORTH
SCALE: 1/8" = 1'-0"

NOTES:

1. REFER TO DRAWINGS E5.0, E6.0 AND E7.1 FOR ELECTRICAL EQUIPMENT PART PLANS, LIGHT FIXTURE SCHEDULE, PANEL SCHEDULES AND TYPICAL LIGHTING CONTROL DIAGRAMS.
2. REFER TO E2.1 AND E2.2 FOR CLERESTORY & HIGH FIRST FLOOR LIGHTING PLANS FOR LIGHTING AND CONTROLS LAYOUT.

DESIGN INTENT - LIGHTING CONTROL SYSTEM

1. LIGHTING CONTROL SYSTEM IS BASED ON N-LIGHT BY SENSOR SWITCH (FINN O'BRIEN 610.325.2216) OR APPROVED EQUAL.
2. LIGHTING CONTROL COMPONENTS SHOWN ARE FOR GENERAL DESIGN INTENT. ALL COMPONENTS AND WIRING ARE NOT SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY COMPONENTS, WIRING (LINE AND LOW VOLTAGE) AND PROGRAMMING FOR A FULLY OPERATIONAL SYSTEM. PROVIDE ALL POWER SUPPLIES AND ASSOCIATED 120V CIRCUITS REQUIRED TO SUPPORT SYSTEM. CONTRACTOR IS ALSO RESPONSIBLE FOR FULL DELEGATED DESIGN OF SYSTEM BASED ON THE DESIGN INTENT INCLUDED ON THESE DRAWINGS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE LIGHTING CONTROLS WITH LIGHT FIXTURES. ALL LIGHT FIXTURE AND LIGHTING CONTROL SUBMITTALS SHALL BE SUBMITTED AT THE SAME TIME FOR APPROVAL.
4. LIGHT FIXTURES TAGGED WITH "EM" ARE EMERGENCY LIGHT FIXTURES AND SHALL CONTAIN INTEGRAL BATTERY BACKUP. THESE FIXTURES SHALL BE CONTROLLED AS INDICATED ALONG WITH GENERAL LIGHTING. UPON LOSS OF NORMAL POWER, EMERGENCY LIGHT FIXTURES SHALL BE AUTOMATICALLY SHUNTED TO FULL BRIGHT REGARDLESS OF STATE OF CONTROLLING SWITCH. SEE DETAIL FOR ADDITIONAL INFORMATION. PROVIDE EM POWER PACKS AS NEEDED.
5. COMMON AREAS INCLUDING ENTRY VESTIBULE, LOBBY, CORRIDORS, STAIRS: LIGHTING SHALL BE CONTROLLED VIA SENSORS AND POWER-PACKS AND SHALL BE TIME-BASED WITH OCCUPANCY OVERRIDE. DURING NORMAL BUSINESS HOURS, LIGHTING SHALL BE PROGRAMMED TO TURN ON TO A PRESET STANDBY LEVEL OF 50%. WHEN OCCUPANCY IS DETECTED, LIGHTING SHALL INCREASE TO 100% OUTPUT. AFTER NORMAL BUSINESS HOURS, LIGHTING SHALL BE PROGRAMMED TO TURN OFF WHEN THE AREA IS VACANT AND TURN ON TO 100% WHEN OCCUPANCY IS DETECTED. CONTROLS SHALL INCLUDE nLIGHT NETWORKED SYSTEM CONTROLLER (ECLYPSE). ZONES SHALL BE BROKEN OUT PER AREA, PER FLOOR, AND PER FIXTURE TYPE TO ALLOW FOR INDEPENDENT CONTROL AND SCHEDULING OF RESPECTIVE AREAS.
6. STAFF OFFICES, MEETING ROOMS, COMMUNITY ROOMS: LIGHTING SHALL BE CONTROLLED VIA LOW VOLTAGE WALL SWITCHES, SENSORS AND POWER-PACKS AND SHALL OPERATE IN VACANCY MODE (MANUAL ON, AUTO-OFF AFTER 20 MINUTES OF VACANCY WITH MANUAL OVERRIDE AND DIMMING). LIGHTING SHALL BE ZONED BY FIXTURE TYPE. FIXTURES IN DAYLIGHT ZONES TO BE CONTROLLED WITH ADJACENT NON-DAYLIGHT FIXTURES AS APPLICABLE.
7. PRIVATE OFFICES AND OTHER SMALL, ENCLOSED ROOMS: LIGHTING SHALL BE CONTROLLED VIA WALL MOUNTED LINE VOLTAGE VACANCY SENSOR SWITCHES WITH DIMMING.
8. EXTERIOR LIGHTS: EXTERIOR LIGHTS SHALL BE CONTROLLED VIA PHOTOCELL AND nLIGHT NETWORKED SYSTEM CONTROLLER (ECLYPSE). LIGHTING SHALL BE PROGRAMMED TO TURN ON AT DUSK AND TURN OFF AT MIDNIGHT.

one eighth inch = one foot
0 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

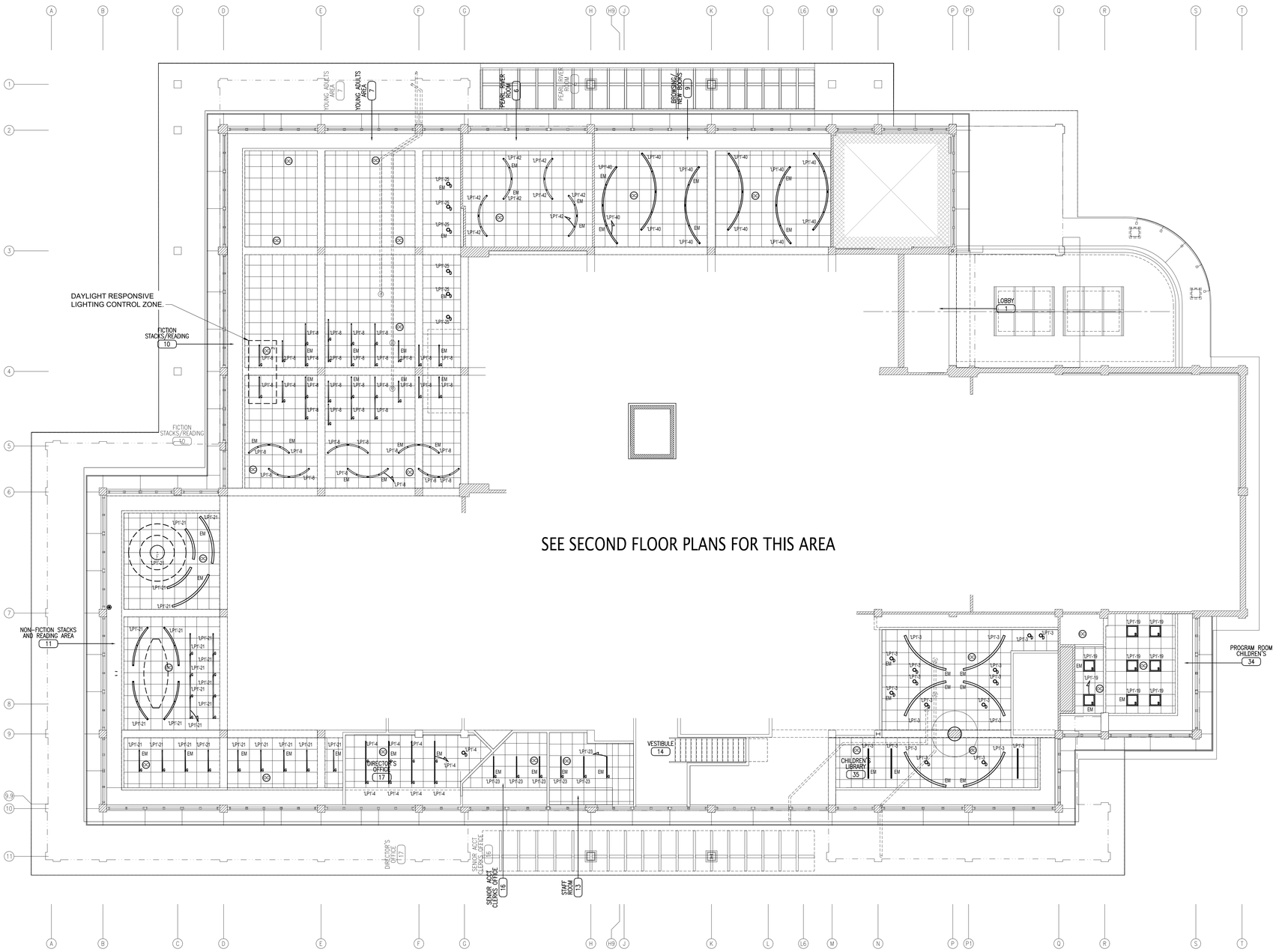
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ELECTRICAL FIRST FLOOR PLAN - LIGHTING

PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:
E2.0



1 ELECTRICAL FIRST FLOOR CLERESTORY LIGHTING PLAN
SCALE: 1/8" = 1'-0"

NORTH

NOTES:

1. SEE E2.0 FOR LIGHTING CONTROL NOTES.

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
7	12/20/24	ISSUED FOR NYSED PERMIT
6	11/22/24	CD PROGRESS REVIEW
5	09/26/24	CD PROGRESS REVIEW
4	06/05/24	ISSUED FOR NYSED SUBMISSION
3	05/30/24	PROGRESS REVIEW
2	05/15/24	95% REVIEW SET
1	04/30/24	PROGRESS REVIEW
	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

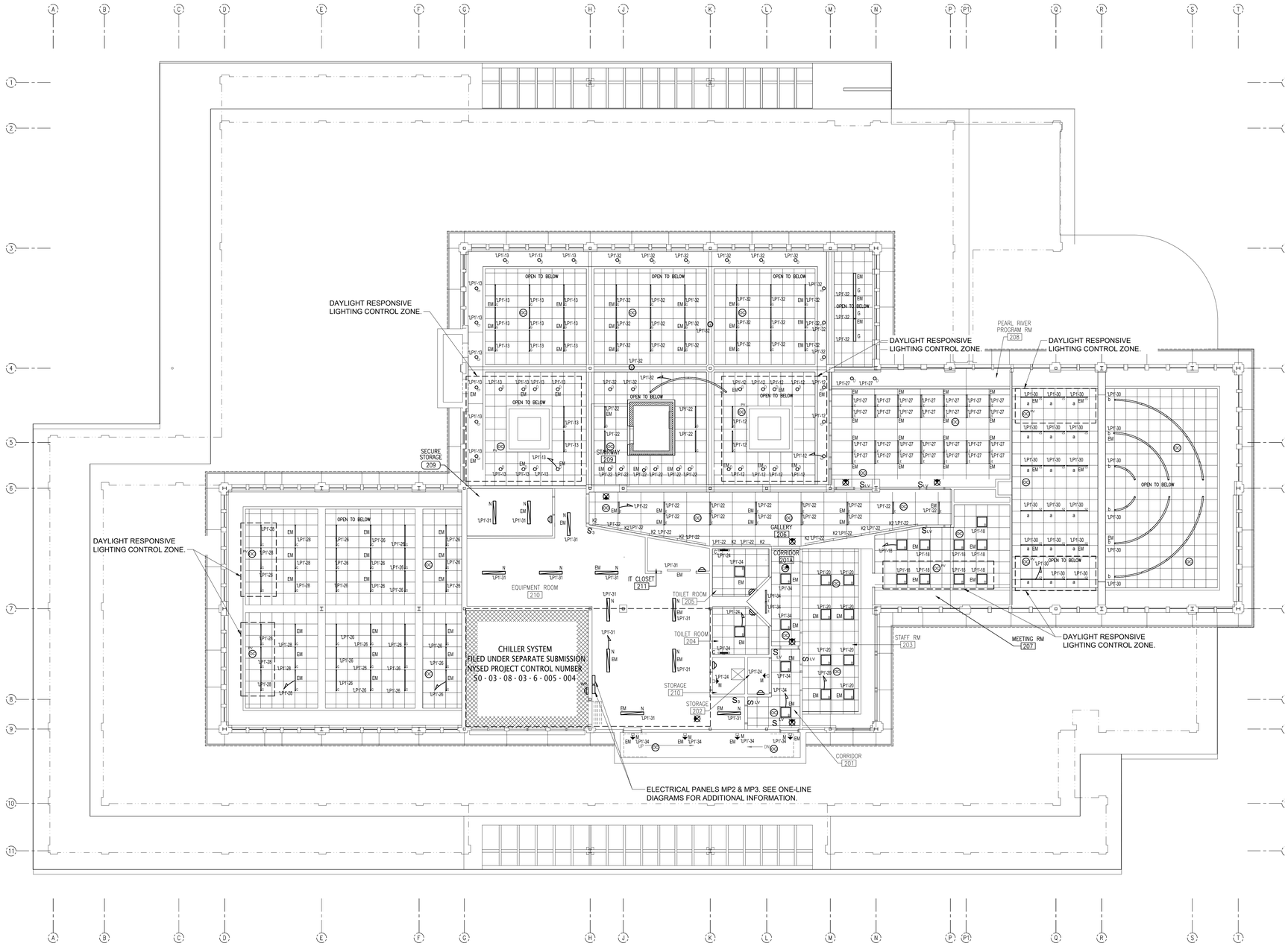
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ELECTRICAL FIRST FLOOR CLERESTORY PLAN - LIGHTING

PROJECT NO.: 2578-02 | SCALE: AS NOTED

DRAWING NO.:

E2.1



1 ELECTRICAL SECOND FLOOR LIGHTING PLAN
SCALE: 1/8" = 1'-0"

NORTH

NOTES:
1. SEE E2.0 FOR LIGHTING CONTROL NOTES.

one eighth inch = one foot
0 4" 8" 16"

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
7	12/20/24	ISSUED FOR NYSED PERMIT
6	11/22/24	CD PROGRESS REVIEW
5	09/26/24	CD PROGRESS REVIEW
4	06/05/24	ISSUED FOR NYSED SUBMISSION
3	05/30/24	PROGRESS REVIEW
2	05/15/24	95% REVIEW SET
1	04/30/24	PROGRESS REVIEW
0	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

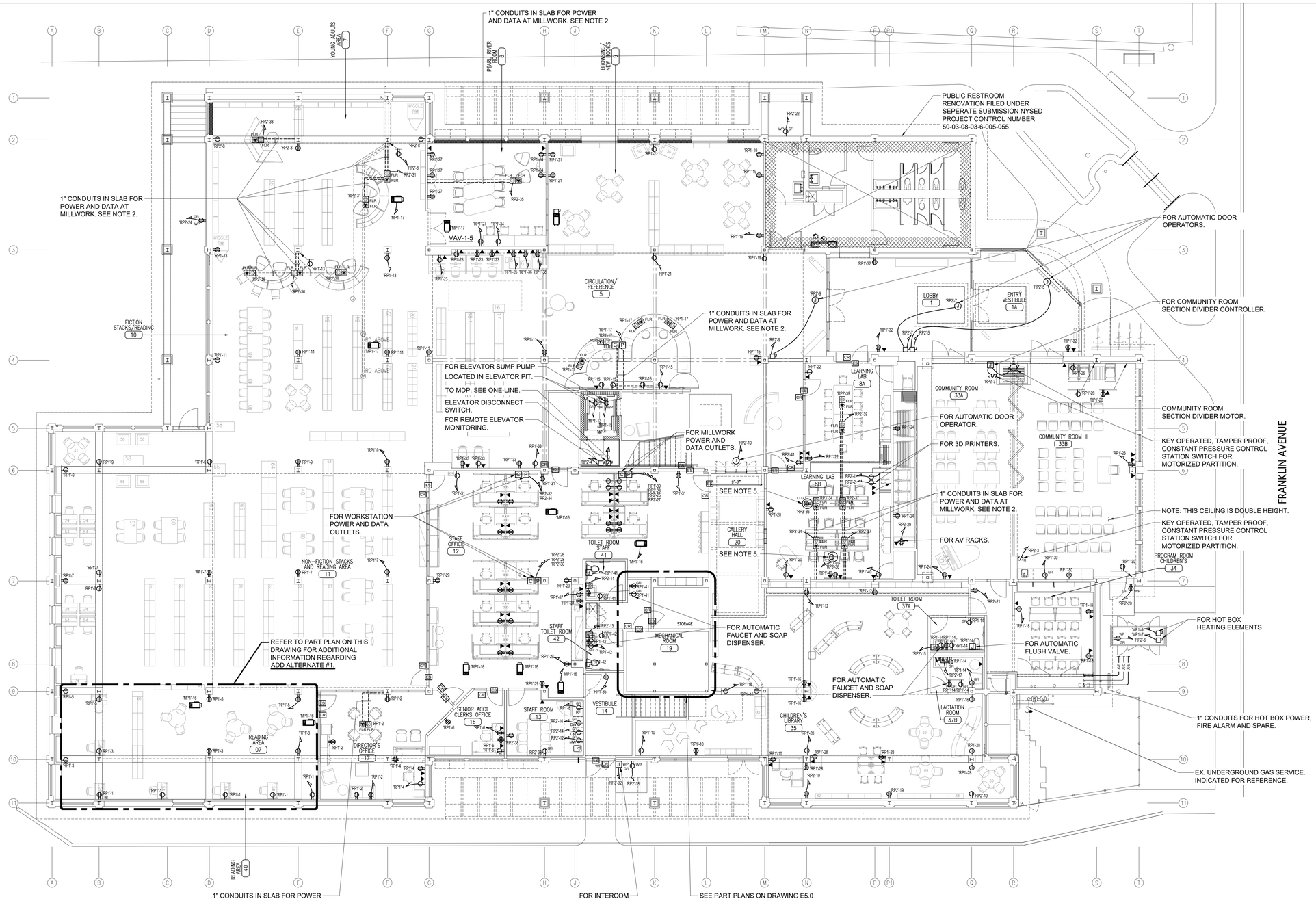
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

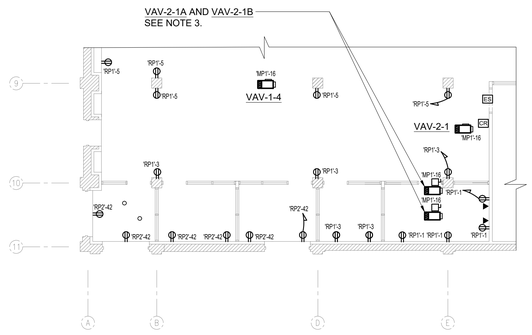
ELECTRICAL SECOND FLOOR LIGHTING PLAN

PROJECT NO.:	2578-02	SCALE:	AS NOTED

DRAWING NO.:

E2.2





NORTH

1 ELECTRICAL FIRST FLOOR POWER PLAN

SCALE: 1/8" = 1'-0"

NORTH

2 ELECTRICAL FIRST FLOOR ADD ALTERNATE E-01 POWER PART PLAN

SCALE: 1/8" = 1'-0"

NOTES:

1. ALL RECEPTACLES SHALL BE TAMPER-RESISTANT.
2. GENERAL CONTRACTOR SHALL PROVIDE SAW CUTTING, CHIPPING AND TRENCHING AS NEEDED FOR CONDUITS IN SLAB, AT LOCATIONS INDICATED ON PLAN. GENERAL CONTRACTOR SHALL PATCH, REPAIR AND RESTORE AREAS AFTER COMPLETION OF WORK.
3. WORK ASSOCIATED WITH VAV-2-1A AND VAV-2-1B INCLUDED IN ADD ALTERNATE E-1. VAV-1-4 AND VAV-2-1 SHOWN FOR REFERENCE ON ADD ALTERNATE PLAN AND ARE PART OF BASE BID.
4. COORDINATE ALL ELECTRICAL REQUIREMENTS FOR ELEVATOR WITH GENERAL CONTRACTOR AND FINAL APPROVED ELECTRICAL SHOP DRAWINGS.
5. PROVIDE THREADED RODS AND/OR UNISTRUT FOR MOUNTING AND SECURING RECEPTACLE CORD REAL RECEPTACLES TO SLAB ABOVE. PROVIDE CEILING MOUNTED DUPLEX RECEPTACLE FOR CORD REEL POWER.

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
7	12/20/24	ISSUED FOR NYSED PERMIT
6	11/22/24	CD PROGRESS REVIEW
5	09/26/24	CD PROGRESS REVIEW
4	06/05/24	ISSUED FOR NYSED SUBMISSION
3	05/30/24	PROGRESS REVIEW
2	05/15/24	95% REVIEW SET
1	04/30/24	PROGRESS REVIEW
⚠	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

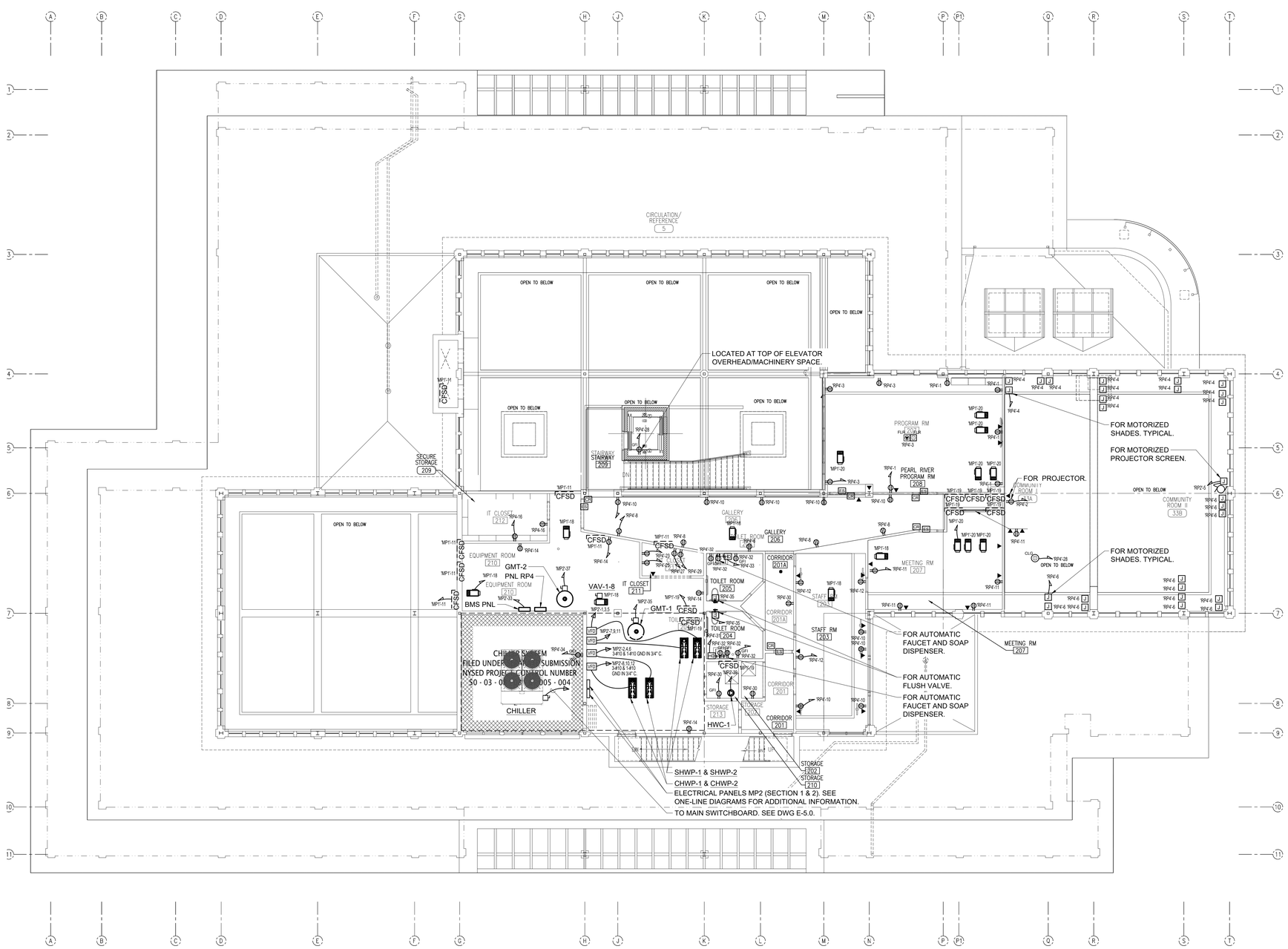
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ELECTRICAL FIRST FLOOR PLAN - POWER

PROJECT NO.: 2578-02 SCALE: AS NOTED

DRAWING NO.:

E3.0



1 ELECTRICAL SECOND FLOOR POWER PLAN

SCALE: 1/8" = 1'-0"

NORTH

NOTES:

1. MP2 SECTION 1 AND SECTION 2 ARE ABBREVIATED AS MP2 AND MP3 RESPECTIVELY FOR CIRCUITING CLARITY.
2. ALL RECEPTACLES SHALL BE TAMPER-RESISTANT.

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

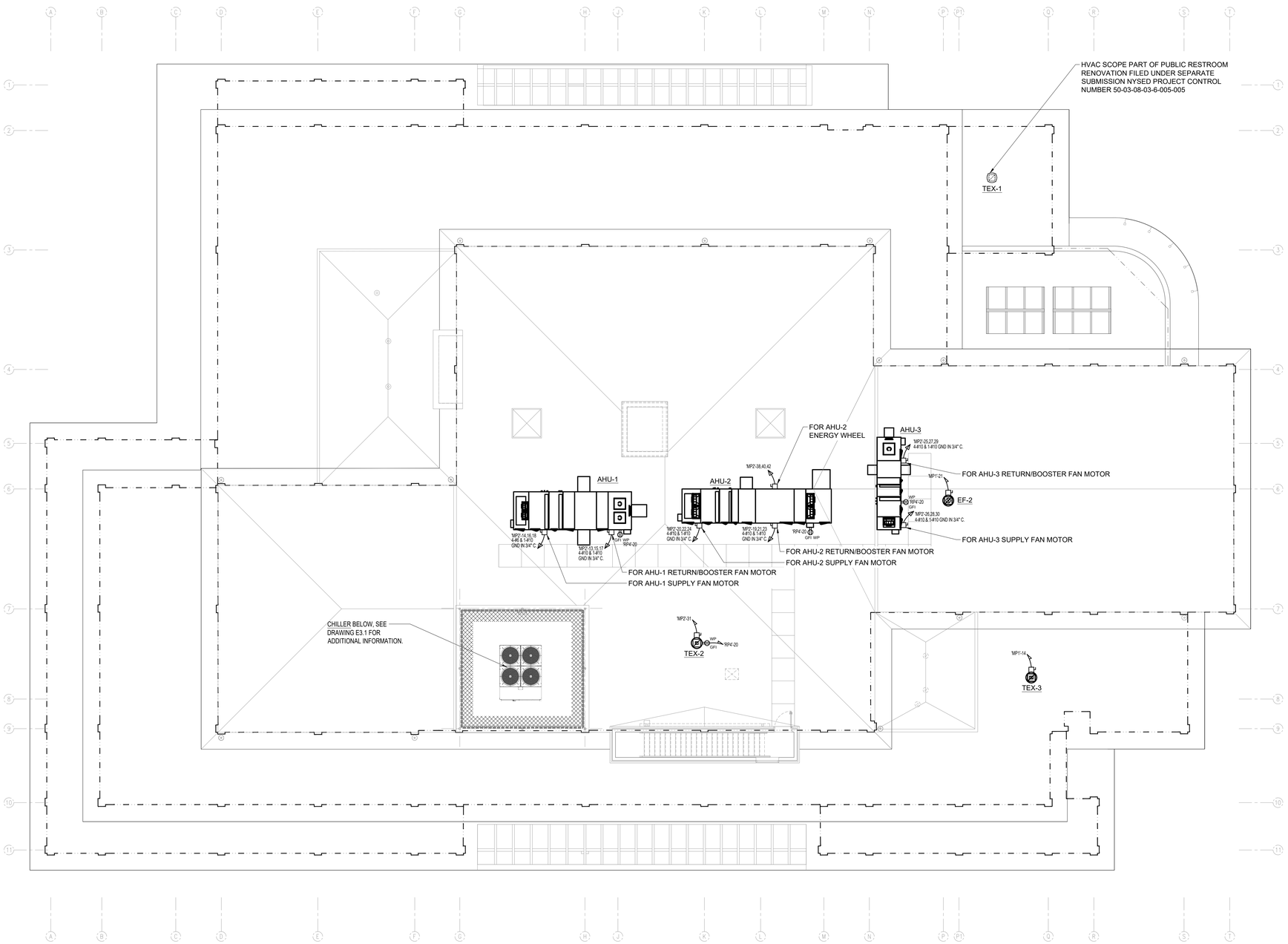
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ELECTRICAL SECOND FLOOR PLAN - POWER

PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:

E3.1



1 ELECTRICAL ROOF PLAN - POWER
SCALE: 1/8" = 1'-0"

NORTH

NOTES:

1. MP2 SECTION 1 AND SECTION 2 ARE ABBREVIATED AS MP2 AND MP3 RESPECTIVELY FOR CIRCUITING CLARITY.

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

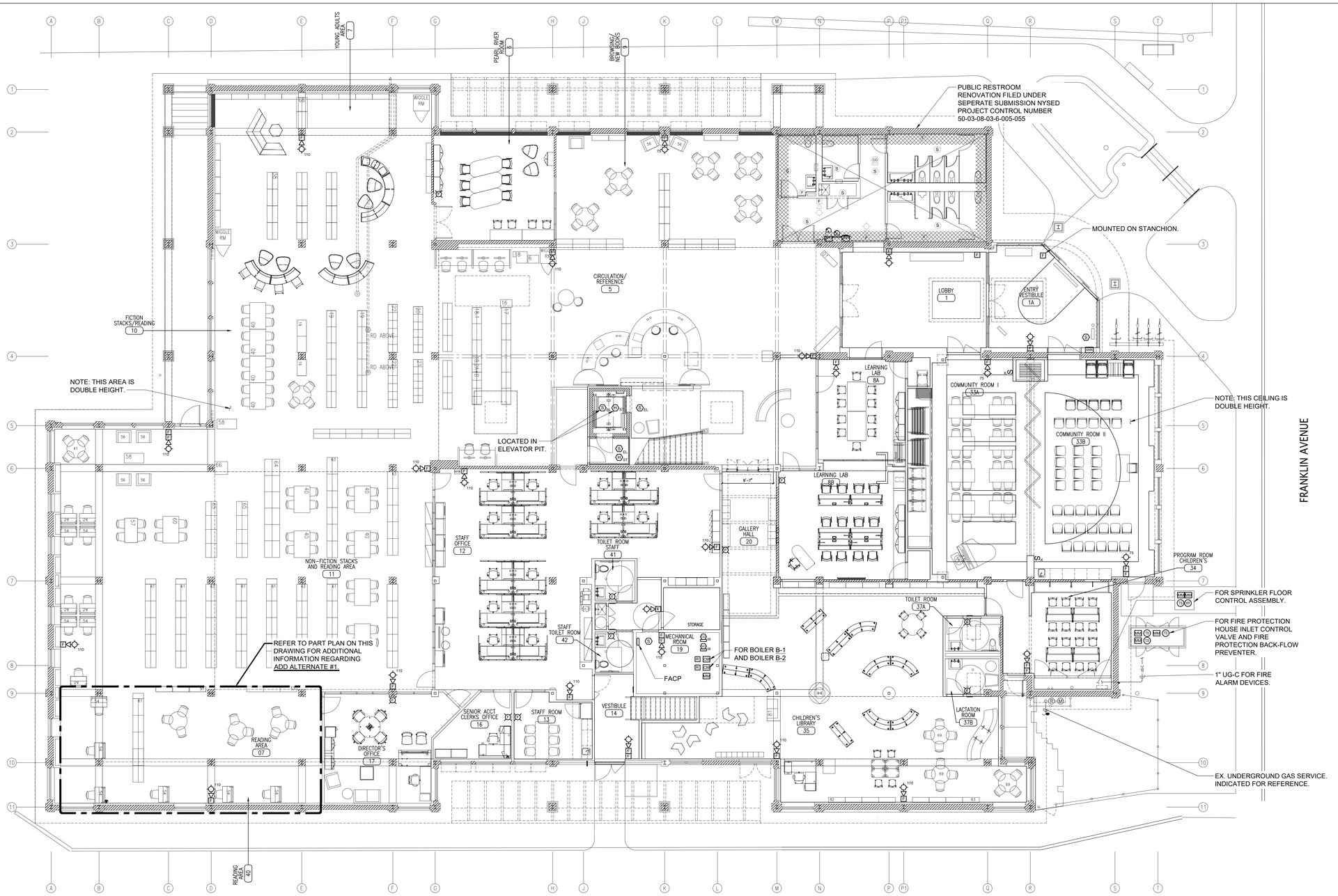
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

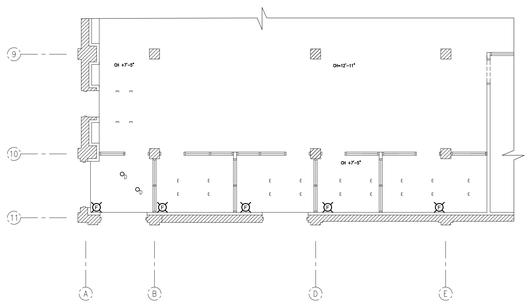
ELECTRICAL ROOF PLAN - POWER

PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:

E3.2





2 ELECTRICAL FIRST FLOOR ADD ALTERNATE E-01 PART FIRE ALARM PLAN
NORTH
SCALE: 1/8" = 1'-0"

1 ELECTRICAL FIRST FLOOR FIRE ALARM PLAN
NORTH
SCALE: 1/8" = 1'-0"

NOTES:

1. THE FIRST FLOOR, FIRST FLOOR CLERESTORY, AND SECOND FLOOR CEILING ELEVATIONS ARE SHOWN ON THIS REFLECTED CEILING PLAN. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING CEILING ELEVATIONS.
2. REFER TO SYMBOLS LIST ON E0.1, AND RISER DIAGRAM AND NOTES ON DRAWING E7.1 FOR ADDITIONAL INFORMATION.

one eighth inch = one foot 1/8" = 1'-0"

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

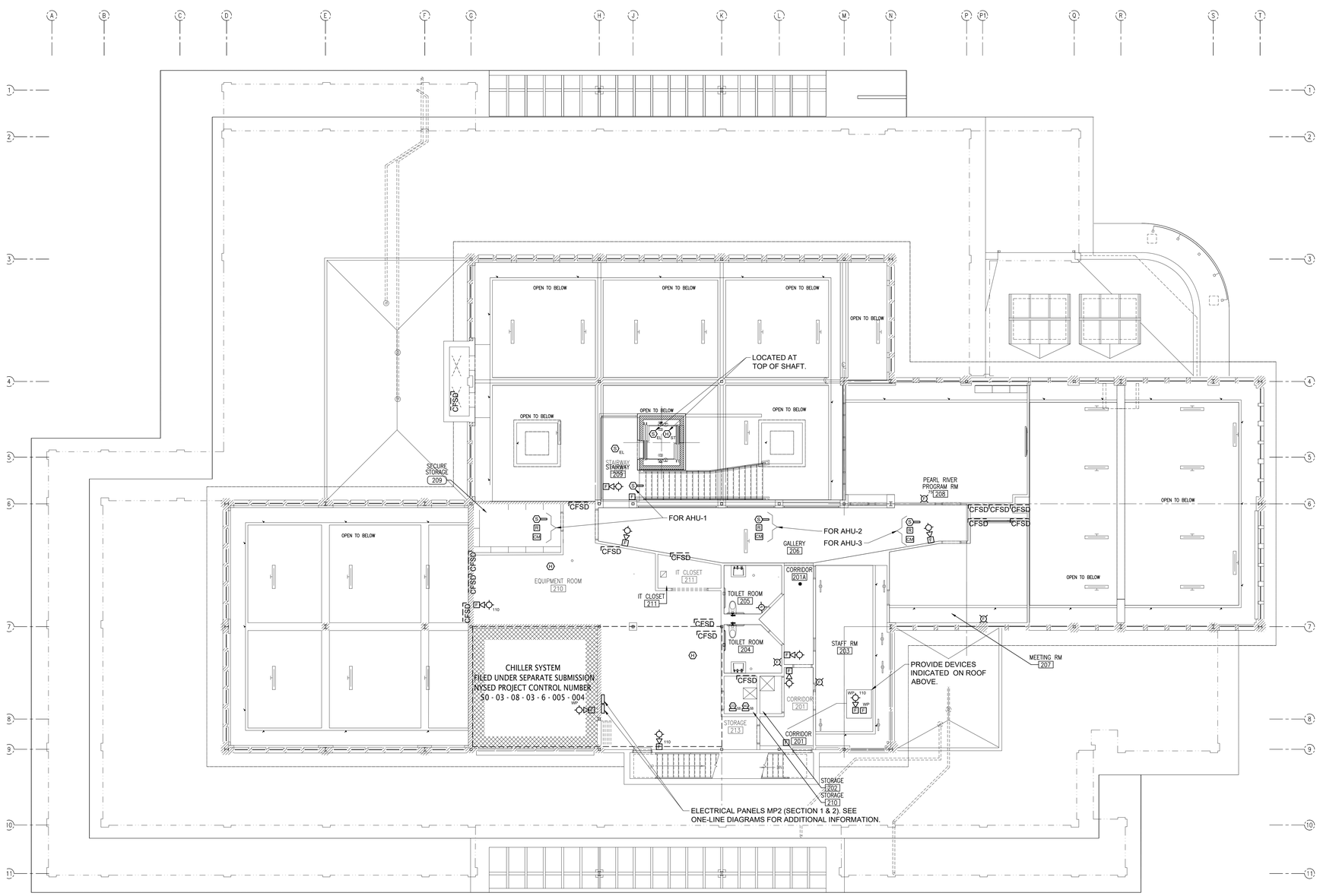
RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ELECTRICAL FIRST FLOOR PLAN - FIRE ALARM

PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:
E4.0



1 ELECTRICAL SECOND FLOOR FIRE ALARM PLAN

SCALE: 1/8" = 1'-0"

NORTH

NOTES:

1. REFER TO SYMBOLS LIST ON E0.1, AND RISER DIAGRAM AND NOTES ON E7.1 FOR ADDITIONAL INFORMATION.

one eighth inch = one foot
0 4 8 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
1	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

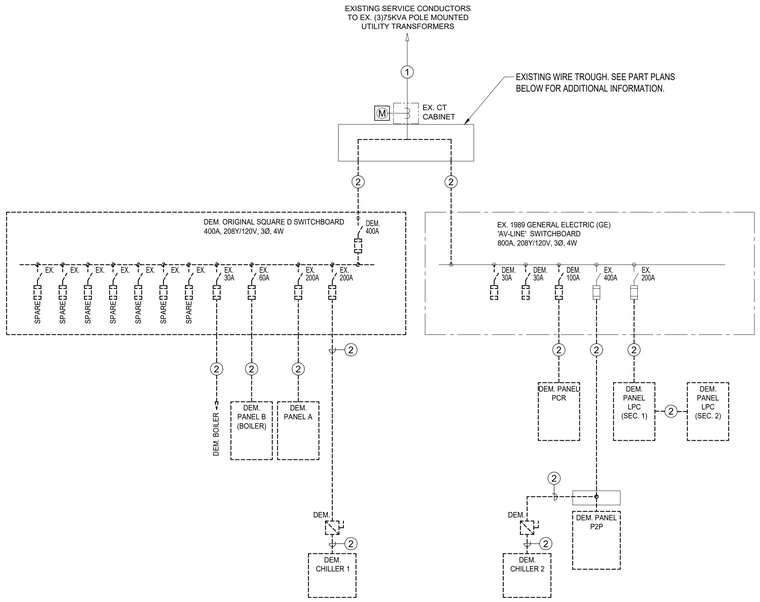
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ELECTRICAL SECOND FLOOR PLAN - FIRE ALARM

PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:

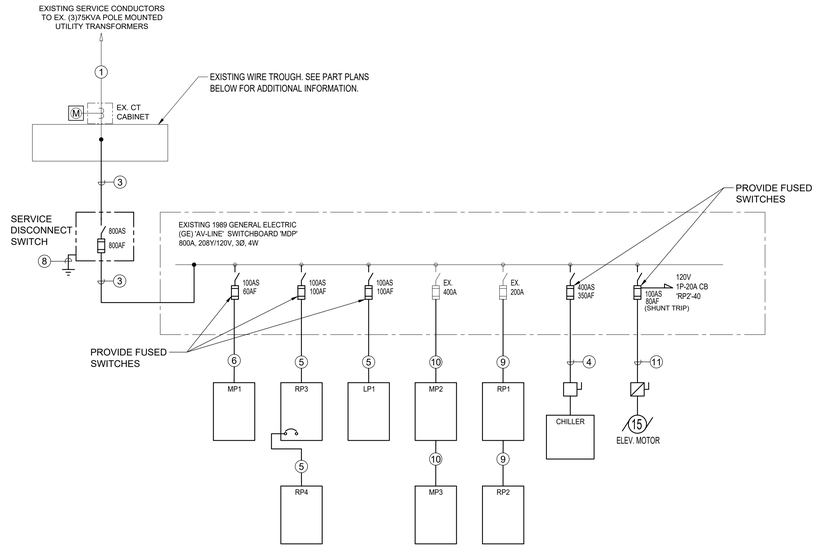
E4.1



1 ELECTRICAL ONE-LINE DIAGRAM - DEMOLITION
NOT TO SCALE

WIRING/CONDUIT LEGEND:

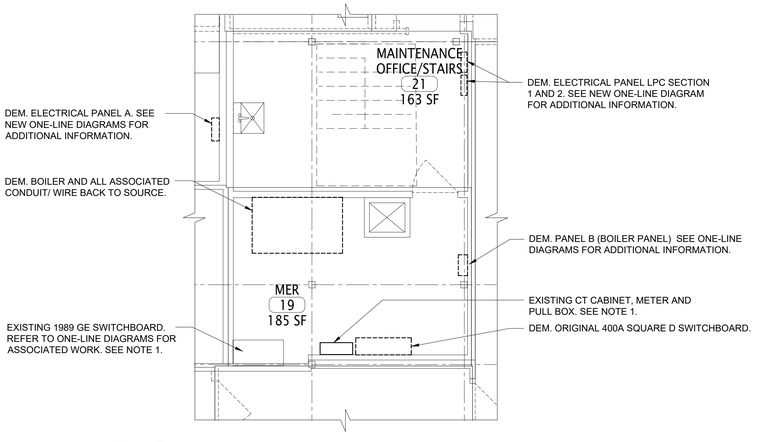
1. EX. CONDUIT AND CONDUCTORS.
2. DEM. CONDUIT AND CONDUCTORS.
3. (2) SETS OF 4-#500MCM & 1-#1/0 GND IN (2) 3-1/2"C
4. 3-#500MCM & 1-#3 GND IN 3-1/2"C
5. 4-#2 & 1-#8 GND IN 1-1/4"C
6. 4-#4 & 1-#10 GND IN 1-1/4"C
7. 2-#12 & 1-#12 GND IN 3/4"C
8. #2/0 GND
9. 4-#3/0 & 1-#6 GND IN 2"C
10. 4-#500MCM & 1-#3 GND IN 3-1/2"C
11. 4-#4 & 1-#8 GND IN 1-1/4"C



3 ELECTRICAL ONE-LINE DIAGRAM - NEW WORK
NOT TO SCALE

NOTES:

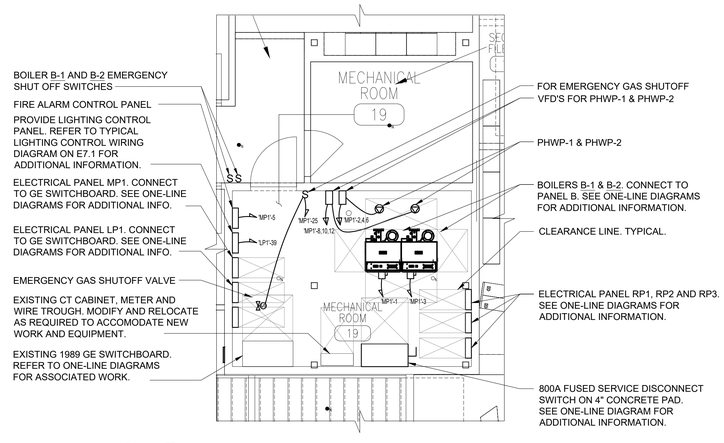
1. ALL SWITCHES AND CIRCUIT BREAKERS ARE 3 POLE U.O.N.



2 ELECTRICAL FIRST FLOOR PART PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"
NORTH

NOTES:

1. PROVIDE TEMPORARY SUPPORT FOR ALL EXISTING TO REMAIN EQUIPMENT, DEVICES AND APPURTENANCES INCLUDING CT CABINET, METER, WIRE TROUGH, GE SWITCHBOARD ETC. IN ORDER TO ACCOMMODATE THE REPLACEMENT OF ELECTRICAL ROOM WALLS. RELOCATE, MODIFY AND/OR ADJUST EQUIPMENT AS NEEDED TO ACCOMMODATE WALL REPLACEMENT. SECURE, SUPPORT AND PERMANENTLY MOUNT ALL EQUIPMENT UPON COMPLETION OF WORK.



4 ELECTRICAL FIRST FLOOR PART PLAN - NEW WORK
SCALE: 1/4" = 1'-0"
NORTH

one eighth inch = one foot 1/8" = 1'-0" 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
7	12/20/24	ISSUED FOR NYSED PERMIT
7	11/22/24	CD PROGRESS REVIEW
6	09/26/24	CD PROGRESS REVIEW
5	06/05/24	ISSUED FOR NYSED SUBMISSION
4	05/30/24	PROGRESS REVIEW
3	05/15/24	95% REVIEW SET
2	04/30/24	PROGRESS REVIEW
1	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY
80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ELECTRICAL ONE-LINE DIAGRAM AND PART PLANS

PROJECT NO.: 2578-02
SCALE: AS NOTED

DRAWING NO.:
E5.0

RP4 PANEL SCHEDULE

MAIN RATING: 100A | MAIN C.B.: 100A | KAIC RATING: 42KAIC
VOLTAGE: 208Y/120V | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	(4) 2ND FL PROGRAM RM RECEPTS	20	1	1	20	COMMUNITY RM PROJECTOR	2
3	(4) 2ND FL PROGRAM RM RECEPTS	20	1	1	20	(COMMUNITY RM SHADES	4
5	PROJECTOR MOTOR	20	1	1	20	(COMMUNITY RM SHADES	6
7	SPARE	20	1	1	20	(5) GALLERY 206 RECEPTS	8
9	(5) GALLERY 206 RECEPTS	20	1	1	20	(3) STAFF RM 203 RECEPTS	10
11	(5) 2ND FL MEETING RM RECEPTS	20	1	1	20	(4) STAFF RM 203 RECEPTS	12
13	SPARE	20	1	1	20	(4) EQUIPMENT RM RECEPTS	14
15	SPARE	20	1	1	20	(2) IT CLOSET 212 RECEPTS	16
17	SPARE	20	1	1	20	(1) COMMUNITY RM CLG RECEPT	18
19	SPARE	20	1	1	20	(4) ROOFTOP RECEPTACLES	20
21	SPARE	20	1	1	20	SPARE	22
23	(1) 2ND FL IT CLOSET RECEPTACLE	20	1	1	20	SPARE	24
25	(1) 2ND FL IT CLOSET RECEPTACLE	20	1	1	20	SPARE	26
27	(1) 2ND FL IT CLOSET RECEPTACLE	20	1	1	20	(1) ELEVATOR SHAFT RECEPTACLE	28
29	(1) 2ND FL IT CLOSET RECEPTACLE	20	1	1	20	(3) 2ND FL CORRIDOR RECEPTS	30
31	TOILET ROOM 204 HAND DRYER	20	1	1	20	(6) TOILET RM RECEPTS	32
33	TOILET ROOM 205 HAND DRYER	20	1	1	20	(1) CHILLER RECEPTACLE	34
35	2ND FLOOR TOILET FLUSH VALVES	20	1	1	20	SPARE	36
37	SPARE	20	1	1	20	SPARE	38
39	SPARE	20	1	1	20	SPARE	40
41	SPARE	20	1	1	20	SPARE	42

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; GP - GFP TYPE C.B.;
AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

LOCATION: EQUIPMENT ROOM 210

RP3 PANEL SCHEDULE

MAIN RATING: 100A | MAIN C.B.: 100A | KAIC RATING: 42KAIC
VOLTAGE: 208Y/120V | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	SPARE	20	1	1	20	SPARE	2
3	SPARE	20	1	1	20	SPARE	4
5	SPARE	20	1	1	20	SPARE	6
7	SPARE	20	1	1	20	SPARE	8
9	SPARE	20	1	1	20	SPARE	10
11	SPARE	20	1	1	20	SPARE	12
13	SPARE	20	1	1	20	SPARE	14
15	SPARE	20	1	1	20	SPARE	16
17	SPARE	20	1	1	20	SPARE	18
19	SPARE	20	1	1	20	SPARE	20
21	MEN'S RESTROOM 4 HAND DRYER	20	1	1	20	SPARE	22
23	MEN'S RESTROOM 4 HAND DRYER	20	1	1	20	SPARE	24
25	WOMEN'S RESTRM 3 HAND DRYER	20	1	1	20	SPARE	26
27	WOMEN'S RESTRM 3 HAND DRYER	20	1	1	20	SPARE	28
29	FAMILY RESTRM 2A HAND DRYER	20	1	1	20	SPARE	30
31	FAMILY RESTRM 2C HAND DRYER	20	1	1	20	VESTIBULE INTERCOM	32
33	RESTROOM RENOVATION RECEPTS	20	1	1	20	LEARNING LAB 8B FLOOR RECEPTS	34
35	RESTROOM FLUSH VALVES	20	1	1	20	LEARNING LAB 8B CLG RECEPTS	36
37	SPARE	20	1	1	20	SPARE	38
39	SPARE	20	1	1	20	SPARE	40
41	SPARE	20	1	1	20	SPARE	42

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; GP - GFP TYPE C.B.;
AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

LOCATION: MECHANICAL ROOM 19

MP3 PANEL SCHEDULE

MAIN RATING: 225A | MAIN C.B.: 200A | KAIC RATING: 42KAIC
VOLTAGE: 208Y/120V | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	-	-	-	-	-	-	2
3	-	-	-	-	-	-	4
5	-	-	-	-	-	-	6
7	-	-	-	-	-	-	8
9	-	-	-	-	-	-	10
11	-	-	-	-	-	-	12
13	-	-	-	-	-	-	14
15	-	-	-	-	-	-	16
17	-	-	-	-	-	-	18
19	-	-	-	-	-	-	20
21	-	-	-	-	-	-	22
23	-	-	-	-	-	-	24
25	-	-	-	-	-	-	26
27	-	-	-	-	-	-	28
29	-	-	-	-	-	-	30
31	-	-	-	-	-	-	32
33	-	-	-	-	-	-	34
35	SPARE	20	1	1	20	SPARE	36
37	SPARE	20	1	1	20	SPARE	38
39	SPARE	20	1	1	20	SPARE	40
41	SPARE	20	1	1	20	SPARE	42

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; GP - GFP TYPE C.B.;
AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

LOCATION: EQUIPMENT ROOM 210

RP2 PANEL SCHEDULE

MAIN RATING: 225A | MAIN C.B.: 200A | KAIC RATING: 42KAIC
VOLTAGE: 208Y/120V | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	3D PRINTER	20	1	1	20	3D PRINTER	2
3	COMMUNITY RM SECTION DIVIDER	20	1	1	15	REMOTE ELEVATOR MONITORING	4
5	(1) ENTRY DOOR OPERATOR	20	1	1	20	HOTBOX ENCLOSURE RECEPTACLE	6
7	(1) LOBBY DOOR OPERATOR	20	1	1	20	(4) YOUNG ADULT AREA RECEPTS	8
9	(1) LOBBY DOOR OPERATOR	20	1	1	20	GALLERY HALL AUTOMATIC DOOR	10
11	STAFF RM TOILET 41 HAND DRYER	20	1	1	20	(1) STAFF MICROWAVE RECEPT	12
13	STAFF RM TOILET 42 HAND DRYER	20	1	1	20	(1) STAFF COFFEE MAKER RECEPT	14
15	TOILET RM 37A HAND DRYER	20	1	1	20	(1) STAFF DISHWASHER RECEPT	16
17	LACTATION RM 37B HAND DRYER	20	1	1	20	(1) EAST OUTDOOR RECEPT	18
19	(3) CHILDREN'S LIBRARY RECEPTS	20	1	1	20	(1) NORTH OUTDOOR RECEPT	20
21	(1) PROGRAM RM CORR RECEPT	20	1	1	20	(1) WEST OUTDOOR RECEPT	22
23	STAFF ROOM WORKSTATION	20	1	1	20	(1) SOUTH OUTDOOR RECEPT	24
25	STAFF ROOM WORKSTATION	20	1	1	20	STAFF ROOM WORKSTATION	26
27	STAFF ROOM WORKSTATION	20	1	1	20	STAFF ROOM WORKSTATION	28
29	COMMUNITY ROOM AV RACK	20	1	1	20	STAFF ROOM WORKSTATION	30
31	(2) YOUNG ADULT FLR RECEPTS	20	1	1	20	STAFF ROOM WORKSTATION	32
33	(1) YOUNG ADULT FLR RECEPT	20	1	1	20	STAFF ROOM WORKSTATION	34
35	(1) PEARL RIVER RM FLR RECEPTS	20	1	1	20	(3) YOUNG ADULT FLR RECEPTS	36
37	(4) LEARNING LAB 8B FLR RECEPTS	20	1	1	20	(2) STAFF ROOM 13 RECEPTACLES	38
39	(4) LEARNING LAB 8A FLR RECEPTS	20	1	1	20	ELEVATOR SHUNT TRIP	40
41	(1) CIRCULATION RECEPT	20	1	1	20	(5) ADD ALTERNATE #1 RECEPTS	42

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; GP - GFP TYPE C.B.;
AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

LOCATION: MECHANICAL ROOM 19

LIGHTING FIXTURE SCHEDULE

FIXTURE DESIGNATION	MANUFACTURER	CATALOG NUMBER	LAMPS	VOLTS	MOUNTING	INPUT POWER	REMARKS
A	LUX ILLUMINAIRE	LFXQ-FT-CP-SMB-1000-UNV-S1-NN /FDQ2-QQF-55-WH-WH-FG-830-WET (NORMAL) LFXQ-FT-CP-SMB-1000-UNV-S1-EB /FDR4-STF-55-WH-WH--835-CL (EMERGENCY\)	LED	UNV	RECESSED	10W	SQUARE HOUSING, FLANGE TRIM, CHICAGO PLENUM, STANDARD MOUNTING BARS, 1000 LUMENS, 0-10V DIMMING.
B	SIGNIFY	36-22-D1-ST-L-935-30-Q-1-UNV-S-N (NORMAL) 36-22-D1-ST-L-935-30-Q-B-UNV-S-N (EMERGENCY)	LED	UNV	RECESSED	28.7W	RECESSED 2X2 LIGHT FIXTURE.
C	BLACKJACK LIGHTING	NAN-36V-PC-12T-30K-S4	LED	120V	SURFACE MOUNTED	28W	NANO FAMILY, POLISHED CHROME, 3000K COLOR TEMPERATURE, SHALLOW BACKPLATE, 36" VANITY SIZE.
D	LUX ILLUMINAIRE	LFXR4-FTCP-SMB-1000-UNV-S1 /FDR4-STF-55-WH-WH-835-CL-WET (NORMAL) LFXR4-FTCP-SMB-1000-UNV-S1-EB /FDR4-STF-55-WH-WH-835-CL (EMERGENCY)	LED	UNV	RECESSED	10W	ROUND HOUSING, FLANGE TRIM, CHICAGO PLENUM, STANDARD MOUNTING BARS, 1000 LUMENS, 0-10V DIMMING.
E	LUX	EOS 7.0	TBD	TBD	TBD	TBD	-
G	INTRA LIGHTING	MINUS C/S-S-0-10V UNV-M-840-44-WH-S10C-59-WH	LED	UNV	CEILING SUSPENDED	19W	0-10V DIMMABLE DRIVER. MEDIUM OUTPUT, 80 CRI 4000K COLOR TEMPERATURE, 2150 LUMENS, 44", WHITE STRUCTURAL, 59" WIRE LENGTH, WHITE CANOPY.
H1	INTRA LIGHTING	WAVE C/S 45°- SOP-R44-940-M-0-10V UNV-WH	LED	UNV	CEILING SUSPENDED	14.30W	SATIN OPAL DIFFUSER, 44 5/16" RADIUS, 90 CRI, 4000K COLOR TEMPERATURE, 1550 LUMENS, MEDIUM LIGHT OUTPUT, 0-10V DIMMABLE.
H2	INTRA LIGHTING	WAVE C/S 45°- SOP-R118-940-M-0-10V UNV-WH	LED	UNV	CEILING SUSPENDED	37.10W	SATIN OPAL DIFFUSER, 118 1/8" RADIUS, 90 CRI, 4000K COLOR TEMPERATURE, 4200 LUMENS, MEDIUM LIGHT OUTPUT, 0-10V DIMMABLE.
H3	INTRA LIGHTING	WAVE C/S 45°- SOP-R157-940-M-0-10V UNV-WH	LED	UNV	CEILING SUSPENDED	48.80W	SATIN OPAL DIFFUSER, 157 1/2" RADIUS, 90 CRI, 4000K COLOR TEMPERATURE, 5500 LUMENS, MEDIUM LIGHT OUTPUT, 0-10V DIMMABLE.
J1	LUX ILLUMINAIRE	HLCN 2.0 RD2-18-D-LG-SV-1000-DMF-26-WH-FG-930-UNV-S1-FRC-PRS-WF-150	LED	UNV	CEILING SUSPENDED	10W	2" CYLINDER - 18" X 18", DIRECT, LT GRAY, SILVER, 1000 LUMEN, DEEP MILL GROOVE, NARROW FLOOD 26°, 90 CRI, 3000K COLOR TEMPERATURE.
J2	LUX ILLUMINAIRE	HLCN 2.0 RD2-18-D-LG-SV-1000-DMF-26-WH-FG-930-UNV-S1-FRC-PRS-WF-150	LED	UNV	CEILING SUSPENDED	10W	2" CYLINDER - 18" X 18", DIRECT, LT GRAY, SILVER, 1000 LUMEN, DEEP MILL GROOVE, NARROW FLOOD 26°, 90 CRI, 3000K COLOR TEMPERATURE.
K1	THE SMART LIGHTING COMPANY	HB3014I-4-30K-120-AC-D-7	LED	UNV	CEILING SUSPENDED	7W/FT	7W/FT, 4' FIXTURE LENGTH, 3000K COLOR TEMPERATURE, 0-10V DIMMING.
K2	LUX ILLUMINAIRE	EOS 2.0-R-PER-G1-ASY-750-8-35-9-UNV-S1-W-1R	LED	UNV	CEILING SUSPENDED	56.64W	750 LUMENS/FT, 7.08 W/FT, 8' LENGTH, 15/16" GRID, ASYMMETRIC, 3500K COLOR TEMPERATURE, 90 CRI, 0-10V DIMMABLE FIXTURE.
L	G LIGHTING	GL-2795-24LED40-WH-ALG-1-A	LED	120V	CEILING SUSPENDED	56W	80 CRI, 5141 LUMENS, 4000K COLOR TEMPERATUR.
M1	G LIGHTING	GL-2797-48LED40-WH-ALG-1-A	LED	120V	CEILING SUSPENDED	108W	80 CRI, 10197 LUMENS, 4000K COLOR TEMPERATURE.
M2	G LIGHTING	GL-2799-72LED40-WH-ALG-1-A	LED	120V	CEILING SUSPENDED	154W	80 CRI, 15345 LUMENS, 4000K COLOR TEMPERATURE.
M	BLACKJACK LIGHTING	NAN-14S-PC-12T-30K-DB	LED	120V	SURFACE MOUNT	14W	NANO FAMILY, 14" SCONCE, POLISHED CHROME, 120V AC TRIAC DIMMING ONLY, 3000K COLOR TEMPERATURE, DEEP BACKPLATE.
N	ACUITY BRANDS HOLOPHANE	EMS-L48-8000LM-LPAFL-MD-MVOLT-40K-90CRI	LED	120-277V	SUSPENDED	50.5W	4' LOW PROFILE FIXTURE.
	THE EXIT LIGHT CO.	NYCELRT-RM-R-X-BB-X	LED	120-277V	RECESS MOUNTED	LESS THAN 4W	EDGE LIT EXIT SIGN. PROVIDE BATTERY BACKUP OPERATION TYPE.

NOTES:

1.) VERIFY ALL FIXTURE CATALOG NUMBERS FOR INTENDED APPLICATIONS WITH REQUIRED ACCESSORIES.
2.) ALL BALLASTS AND DRIVERS IN FIXTURES LOCATED OUTDOORS SHALL BE ZERO DEGREE RATED STARTING TEMPERATURE. REFER TO DRAWINGS FOR LOCATION OF FIXTURES.
3.) LIGHT FIXTURES INDICATED AS EMERGENCY (EM) ON DRAWINGS SHALL CONTAIN AN EMERGENCY BACK-UP BATTERY WHERE POSSIBLE THE SHALL BE INTERNAL TO FIXTURE WITH A VISUAL INDICATING CHARGE LAMP AND TEST SWITCH. IF IT IS NOT POSSIBLE TO INSTALL THE EMERGENCY BATTERY IN THE FIXTURE, THE CONTRACTOR SHALL FURNISH & INSTALL A REMOTE EMERGENCY BATTERY. EACH BATTERY PACK SHALL BE CONNECTED SO THAT THE FIXTURE CAN BE SWITCHED UNDER NORMAL CONDITIONS AND IN THE EVENT OF A POWER OUTAGE, THE FIXTURE SHALL AUTOMATICALLY ILLUMINATE FOR 90 MINUTES WITH A 1200 LUMEN OUTPUT (TOTAL FROM FIXTURE), MINIMUM.
4.) ALL EXIT AND EMERGENCY FIXTURES SHALL BE FED FROM UNSWITCHED LEG OF ASSOCIATED LOCAL LIGHTING CIRCUITS.
5.) IN THE EVENT THE CONTRACTOR CHOOSES TO SUBSTITUTE LIGHT FIXTURES FOR THOSE THAT ARE SPECIFIED ON THE LIGHT FIXTURE SCHEDULE, THE CONTRACTOR SHALL SUBMIT POINT-TO-POINT PHOTOMETRIC CALCULATIONS FOR ALL AREAS WHERE THE SUBSTITUTED FIXTURES ARE INDICATED TO BE INSTALLED ON THE DRAWINGS. THESE CALCULATIONS SHALL BE SUBMITTED ALONG WITH THE LIGHT FIXTURE SHOP DRAWINGS.
6.) REFER TO ARCHITECTURAL DRAWINGS FOR PENDANT HOUSING HEIGHTS.

MP2 PANEL SCHEDULE

MAIN RATING: 400A | MAIN C.B.: 400A | KAIC RATING: 42KAIC
VOLTAGE: 208Y/120V | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1							2
3	SHWP-1	20	3	3	45	CHWP-1	4
5							6
7							8
9	SHWP-2	20	3	3	45	CHWP-2	10
11							12
13							14
15	AHU-1 RETURN/BOOSTER FAN	35	3	3	50	AHU-1 SUPPLY FAN	16
17							18
19							20
21	AHU-2 RETURN/BOOSTER FAN	35	3	3	35	AHU-2 SUPPLY FAN	22
23							24
25							26
27	AHU-3 RETURN/BOOSTER FAN	25	3	3	25	AHU-3 SUPPLY FAN	28
29							30
31	TEX-2	20	1	-	-	-	32
33	BMS CONTROL PANEL	20	1	-	-	-	34
35	GLYCOL MAKEUP TANK GMT-1	20	1	1	20	SPARE	36
37	GLYCOL MAKEUP TANK GMT-2	20	1				38
39	HWC-1	20	1	3	15	AHU-2 ENERGY WHEEL	40
41	SPARE	20	1				42

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; GP - GFP TYPE C.B.;
AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

LOCATION: EQUIPMENT ROOM 210

RP1 PANEL SCHEDULE

MAIN RATING: 225A | MAIN C.B.: 200A | KAIC RATING: 42KAIC
VOLTAGE: 208Y/120V | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	(5) NON FICTION READING RECEPT	20	1	1	20	(5) DIRECTOR'S OFFICE RECEPTS	2
3	(4) NON FICTION READING RECEPT	20	1	1	20	(4) DIRECTOR'S OFFICE RECEPTS	4
5	(5) NON FICTION READING RECEPT	20	1	1	20	(5) SENIOR ACCT OFFICE RECEPTS	6
7	(6) NON FICTION READING RECEPT	20	1	1	20	(1) STAFF ROOM FRIDGE RECEPT	8
9	(5) NON FICTION READING RECEPT	20	1	1	20	(3) CHILDREN'S LIBRARY RECEPTS	10
11	(5) FICTION READING RECEPT	20	1	1	20	(2) CHILDREN'S PROGRAM RECEPT	12
13	(3) FICTION READING RECEPT	20	1	1	20	(8) TOILET & LACTATION RECEPTS	14
15	(5) CIRCULATION RECEPTS	20	1	1	20	(5) CHILDREN'S LIBRARY RECEPT	16
17	(5) CIRCULATION RECEPTACLES	20	1	1	20	(3) CHILDREN'S PROGRAM RECEPT	18
19	(4) BROWSING / NEW BOOK RECEPT	20	1	1	20	(2) LEARNING LAB 8B RECEPT	20
21	(4) BROWSING / NEW BOOK RECEPT	20	1	1	20	(2) LEARNING LAB 8A RECEPT	22
23	(4) CIRCULATION RECEPTACLES	20	1	1	20	(3) COMMUNITY ROOM I RECEPTS	24
25	(1) CIRCULATION RECEPT	20	1	1	20	(4) COMMUNITY ROOM II RECEPTS	26
27	(4) PEARL RIVER RM RECEPTS	20	1	1	20	(6) CHILDRENS LIBRARY RECEPT	28
29	(4) STAFF OFFICE RECEPTACLES	20	1	1	20	(3) COMMUNITY ROOM II RECEPTS	30
31	(3) STAFF OFFICE RECEPTACLES	20	1	1	20	(3) LOBBY RECEPTACLES	32
33	(4) CIRCULATION RECEPTACLES	20	1	1	20	(3) PEARL RIVER RM RECEPT	34
35	(1) VESTIBULE RECEPT	20	1	1	20	(1) CIRCULATION RECEPT	36
37	(2) STAFF OFFICE RECEPTACLES	20	1	1	20	(1) CIRCULATION RECEPT	38
39	STAFF OFFICE WORK STATIONS	20	1	1	20	(2) LEARNING LAB 8B RECEPT	40
41	(4) STAFF TOILET RM 41 RECEPTS	20	1	1	20	(4) STAFF TOILET RM 42 RECEPTS	42

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; GP - GFP TYPE C.B.;
AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

LOCATION: MECHANICAL ROOM 19

MP1 PANEL SCHEDULE

MAIN RATING: 100A | MAIN C.B.: 60A | KAIC RATING: 42KAIC
VOLTAGE: 208Y/120V | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	BOILER 1	20	1				2
3	BOILER 2	20	1	3	20	PHWP-1	4
5	FIRE ALARM CONTROL PANEL	20LK	1				6
7	HOT BOX HEATING ELEMENT	20	1				8
9	HOT BOX HEATING ELEMENT	20	1	3	20	PHWP-2	10
11	SECOND FL CFSDS	20	1				12
13	ELEVATOR PIT RECEPTACLE	20	1	1	20	TX-3	14
15	ELEVATOR SUMP PUMP	20	1	1	20	FIRST FLOOR VAV'S	16
17	FIRST FLOOR VAV'S	20	1	1	20	SECOND FLOOR VAV'S	18
19	SECOND FL CFSDS	20	1	1	20	SECOND FLOOR VAV'S	20
21	EF-2	-	-	1	20	SPARE	22
23	EF-1 AND TEX-1	20	1	-	-	-	24
25	EMERGENCY GAS SHUTOFF VALVE	20	1	-	-	-	26
27	-	-	-	-	-	-	28
29	-	-	-	-	-	-	30
31	-	-	-	-	-	-	32
33	-	-	-	-	-	-	34
35	-	-	-	1	20	SPARE	36
37	-	-	-	1	20	SPARE	38
39	-	-	-	1	20	SPARE	40
41	SPARE	20	1	1	20	SPARE	42

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; GP - GFP TYPE C.B.;
AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

LOCATION: MECHANICAL ROOM 19

LP1 PANEL SCHEDULE

MAIN RATING: 125A | MAIN C.B.: 100A | KAIC RATING: 42KAIC
VOLTAGE: 208Y/120V | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	CHILDREN'S LIBRARY LIGHTING	20	1	1	20	EAST VESTIBULE LIGHTING	2
3	CHILDREN'S LIBRARY LIGHTING	20	1	1	20	DIRECTOR'S OFFICE LIGHTING	4
5	NON FICTION READING LIGHTING	20	1	1	20	LEARNING LAB 8B LIGHTING	6
7	FICTION READING LIGHTING	20	1	1	20	FICTION READING LIGHTING	8
9	LEARNING LAB 8A LIGHTING	20	1	1	20	ENTRY VESTIBULE LIGHTING	10
11	LOBBY LIGHTING	20	1	1	20	CIRCULATION / REFERENCE	12
13	FICTION READING LIGHTING	20	1	1	20	WEST EXTERIOR LIGHTING	14
15	SOUTH EXTERIOR LIGHTING	20	1	1	20	EAST EXTERIOR LIGHTING	16
17	GALLERY HALL LIGHTING	20	1	1	20	2ND FL MEETING ROOM LIGHTING	18
19	CHILDREN'S PROGRAM LIGHTING	20	1	1	20	2ND FL STAFF ROOM LIGHTING	20
21	NON FICTION CLERESTORY LTING	20	1	1	20	GALLERY HALL 2 LIGHTING	22
23	SENIOR ACCT OFFICE LIGHTING	20	1	1	20	2ND FL BATHROOM LIGHTING	24
25	YOUNG ADULT LIGHTING	20	1	1	20	READING AREA LIGHTING	26
27	PEARL RIVER PROGRAM RM LIGHT	20	1	1	20	READING AREA LIGHTING	28
29	ELEVATOR CAB LIGHTING	15	1	1	20	COMMUNITY ROOM LIGHTING	30
31	2ND FLOOR EQUIPMENT RM LIGHT	20	1	1	20	CIRCULATION LIGHTING	32
33	MECHANICAL ROOM LIGHTING	20	1	1	20	2ND FL HIGH CLG LIGHTING	34
35	BATHROOM RENOVATION LIGHTING	20	1	1	20	1ST FL STAFF OFFICE LIGHTING	36
37	BATHROOM RENOVATION LIGHTING	20	1	1	20	1ST FL STAFF OFFICE LIGHTING	38
39	LIGHTING CONTROL PANEL	20	1	1	20	BROWSING / NEW BOOK LIGHTING	40
41	SPARE	20	1	1	20	PEARL RIVER PROGRAM RM LIGHT	42

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; GP - GFP TYPE C.B.;
AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

LOCATION: MECHANICAL ROOM 19

one eighth inch = one foot 16

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
7	12/20/24	ISSUED FOR NYSED PERMIT
6	11/22/24	CD PROGRESS REVIEW
5	09/26/24	CD PROGRESS REVIEW
4	06/05/24	ISSUED FOR NYSED SUBMISSION
3	05/30/24	PROGRESS REVIEW
2	05/15/24	95% REVIEW SET
1	04/30/24	PROGRESS REVIEW
	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

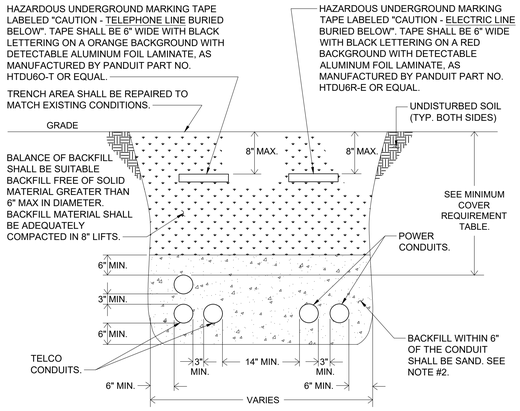
NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ELECTRICAL PANEL SCHEDULES AND LIGHTING FIXTURE SCHEDULE

PROJECT NO.: 2578-02 | SCALE: AS NOTED

DRAWING NO.:

E6.0

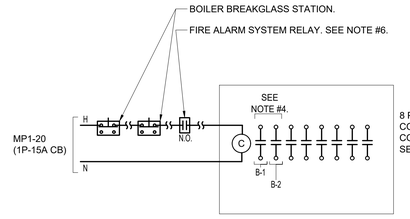


10 TRENCHING DETAIL FOR CONDUIT
SCALE: NONE

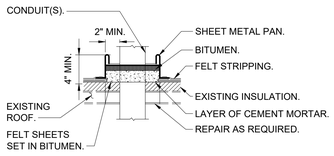
MINIMUM COVER REQUIREMENT TABLE	
LOCATION	NONMETALLIC RACEWAYS LISTED FOR DIRECT BURIAL WITHOUT CONCRETE ENCASEMENT OR OTHER APPROVED RACEWAYS
ALL LOCATION NOT SPECIFIED BELOW.	18"
IN TRENCH BELOW 2-IN. THICK CONCRETE OR EQUIVALENT.	12"
UNDER MINIMUM OF 4-IN. THICK CONCRETE EXTERIOR SLAB WITH NO VEHICULAR TRAFFIC AND THE SLAB EXTENDING NOT LESS THAN 6 IN. BEYOND THE UNDERGROUND INSTALLATION.	4" SEE NOTE #2.
UNDER STREETS, HIGHWAYS, ROADS, ALLEYS, DRIVEWAYS, AND PARKING LOTS.	24"

NOTES:
1. DETAIL SHOWN FOR INFORMATION PURPOSES. SAME CONCEPT SHALL ALSO APPLY FOR SINGLE CONDUITS.
2. SAND MAY BE OMITTED FOR INSTALLATIONS WHERE COVER REQUIREMENTS ARE 6" OR LESS.

NOTES:
1. ALL EQUIPMENT AND WIRING ASSOCIATED WITH THIS DIAGRAM SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR UON.
2. CONTACTOR SHALL BE INSTALLED IN A NEMA-1 ENCLOSURE EQUIPPED WITH A LOCKABLE HINGED COVER.
3. BOILER BREAKGLASS STATIONS SHALL BE AS MANUFACTURED BY SQUARE-D, TYPE 9001KYK117 OR APPROVED EQUAL.
4. SEE ELECTRICAL PLANS FOR BRANCH CIRCUITRY INFORMATION.
5. INTERCEPT SOURCE OF POWER TO EACH MOTOR CONTROL CIRCUIT AND ROUTE CIRCUIT THRU CONTACTOR. ALL WIRING TO BE 2-#12 UON. COORDINATE WITH MECHANICAL CONTRACTOR.
6. FIRE ALARM PANEL SHALL BE PROGRAMMED SO THAT ACTIVATION OF ANY BOILER ROOM HEAT DETECTOR OR PULL STATION SHALL OPERATE THE CONTROL RELAY CONTACTS TO SHUTDOWN THE BOILERS AND FUEL OIL TRANSFER PUMP.
7. ALL RELAYS TO BE INSTALLED IN NEMA-1 ENCLOSURES.

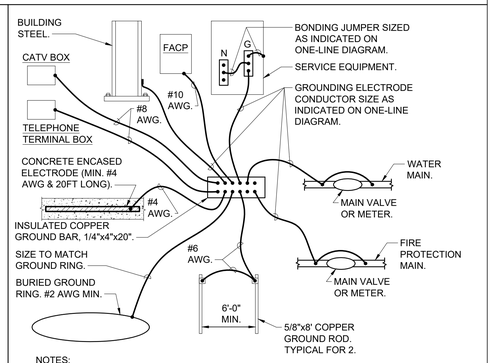


4 BOILER EMERGENCY SHUTDOWN WIRING DIAGRAM
SCALE: NONE



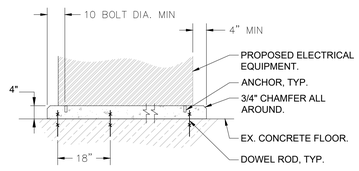
NOTE:
1. PRIOR TO UTILIZING ANY ROOFING MATERIALS, VERIFY WITH BUILDING REPRESENTATIVE FOR COMPATIBILITY WITH ROOFING SYSTEM.

7 TYPICAL PITCH POCKET AROUND ROOF PENETRATIONS DETAIL
SCALE: NONE



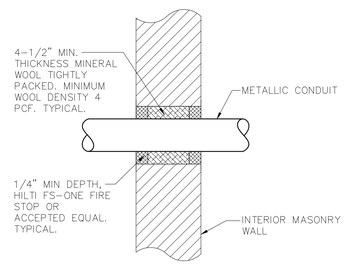
NOTES:
1. CONNECTION TO WATER MAIN AND FIRE PROTECTION MAIN SHALL BE A MAXIMUM OF 5'-0" FROM WHERE THE PIPE ENTERS THE BUILDING AND BE PRIOR TO ANY METER, VALVE JOINT, ETC.
2. ALL CONNECTIONS TO THE GROUND BAR SHALL BE MADE USING COMPRESSION LUGS SIZED TO ACCOMODATE THE CONDUCTORS.

3 SERVICE GROUNDING DETAIL
SCALE: NONE

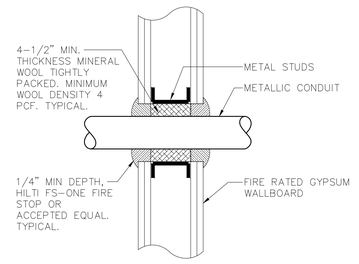


NOTES:
1. CONSTRUCT CONCRETE BASES OF DIMENSIONS INDICATED BUT NOT LESS THAN 4 INCHES LARGER IN BOTH DIRECTIONS THAN SUPPORTED UNIT, AND SO ANCHORS WILL BE A MINIMUM OF 10 BOLT DIAMETERS FROM EDGE OF THE BASE.
2. USE 3000PSI, 28-DAY COMPRESSIVE-STRENGTH CONCRETE.
3. ANCHOR EQUIPMENT TO CONCRETE BASE AS FOLLOWS:
   a. INSTALL DOWEL RODS TO CONNECT CONCRETE BASE TO CONCRETE FLOOR. UNLESS OTHERWISE INDICATED, INSTALL DOWEL RODS ON 18-INCH CENTERS AROUND THE FULL PERIMETER OF CONCRETE BASE
   b. PLACE AND SECURE ANCHORAGE DEVICES. USE SUPPORTED EQUIPMENT MANUFACTURER'S SETTING DRAWINGS, TEMPLATES, DIAGRAMS, INSTRUCTIONS, AND DIRECTIONS FURNISHED WITH ITEMS TO BE EMBEDDED.
   c. INSTALL ANCHOR BOLTS TO ELEVATIONS REQUIRED FOR PROPER ATTACHMENT TO SUPPORTED EQUIPMENT AND ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.

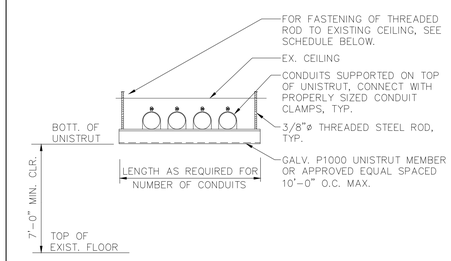
12 INTERIOR CONCRETE EQUIPMENT PAD DETAIL
SCALE: NONE



9 TYPICAL INTERIOR MASONRY WALL CONDUIT PENETRATION DETAIL
SCALE: NONE



6 TYPICAL FIRE RATED GYPSUM WALL CONDUIT PENETRATION DETAIL
SCALE: NONE



CEILING CONSTRUCTION	ANCHOR TYPE	EMBEDMENT
NORMAL WT. CONC	HILTI HDI DROP–IN ANCHOR	1" MIN.
CINDER CONCRETE	HILTI KWIK BOLT II	3" MIN.
HOLLOW CONSTRUCTION	TOGGLE BOLTS	NA

2 TRAPEZE SUPPORT DETAIL
SCALE: NONE

NOTE:
1. DISTANCES SHOWN ARE MINIMUM PER NFPA.

11 CEILING MOUNTED SMOKE DETECTOR LOCATION WITH RESPECT TO AIR DIFFUSER
SCALE: NONE

8 TYPICAL VERTICAL CONDUIT PENETRATION DETAIL
SCALE: NONE

5 TYPICAL CONDUIT SUPPORT ON MASONRY
SCALE: 1" = 1'-0"

CEILING CONSTRUCTION	ANCHOR TYPE	EMBEDMENT
NORMAL WT. CONC	HILTI HDI DROP–IN ANCHOR	1" MIN.
CINDER CONCRETE	HILTI KWIK BOLT II	3" MIN.
HOLLOW CONSTRUCTION	TOGGLE BOLTS	NA

NOTE: CLEVIS HANGERS REQUIRED ON PIPING LARGER THAN 1". GENERAL PURPOSE HANGERS MAY BE USED ON PIPING 1" OR SMALLER.

1 SINGLE CONDUIT HANGER DETAIL
SCALE: NONE

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
7	12/20/24	ISSUED FOR NYSED PERMIT
6	11/22/24	CD PROGRESS REVIEW
5	09/26/24	CD PROGRESS REVIEW
4	06/05/24	ISSUED FOR NYSED SUBMISSION
3	05/30/24	PROGRESS REVIEW
2	05/15/24	95% REVIEW SET
1	04/30/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY
80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ELECTRICAL DETAILS

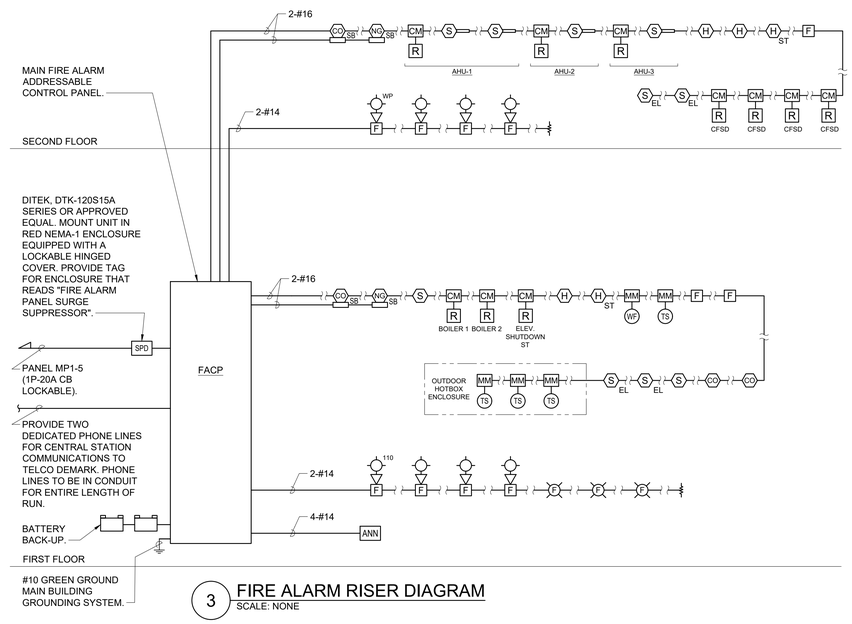
PROJECT NO.: 2578-02 SCALE: AS NOTED

DRAWING NO.:
E7.0

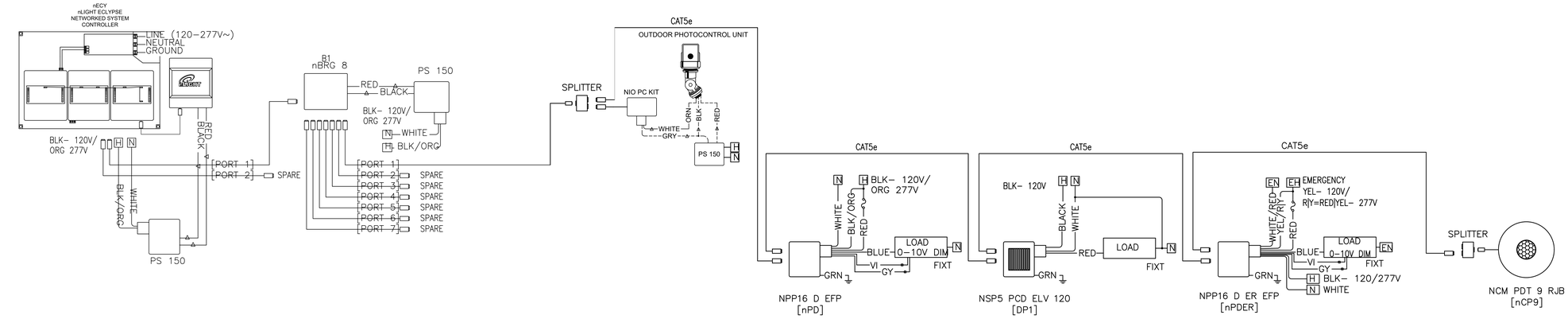
one eighth inch = one foot
0 1/8 1/4 1/2 1 2 4 8 16

RISER NOTES:

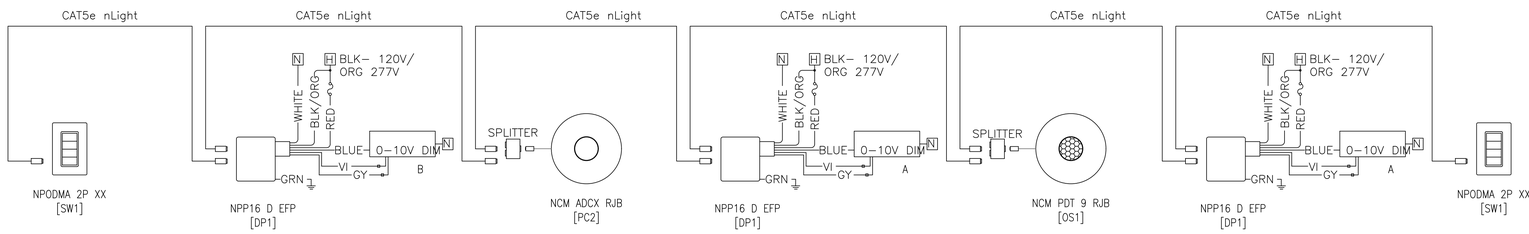
1. THIS IS NOT A POINT-TO-POINT WIRING DIAGRAM. PRIOR TO STARTING ANY WORK, A WORKING POINT-TO-POINT WIRING DIAGRAM SHALL BE OBTAINED FROM FIRE ALARM SYSTEM VENDOR AND PERFORM ALL WORK IN ACCORDANCE WITH THAT DIAGRAM.
2. ELECTRICAL CONTRACTOR SHALL INCLUDE IN THE BASE BID ALL 120V CIRCUITS THAT ARE REQUIRED TO SUPPORT THE OPERATION OF THE FIRE ALARM SYSTEM. COORDINATE REQUIREMENTS WITH THE FIRE ALARM VENDOR.
3. QUANTITY OF STROBE BOOSTER POWER SUPPLY PANELS AND ASSOCIATED 120V CIRCUITS SHALL BE COORDINATED WITH SELECTED FIRE ALARM SYSTEM MANUFACTURER AND/OR FIRE ALARM VENDOR.
4. PROVIDE ALL NECESSARY WIRING, MODULES, COMPONENTS, EXTENDER CABINET, AND PROGRAMMING REQUIRED TO CONNECT NEW DEVICES TO EXISTING SYSTEM.
5. PROVIDE ALL NECESSARY HARDWARE AND PROGRAMMING TO PROVIDE THE CLIENT WITH 20% SPARE CAPACITY ON ALL INITIATING AND INDICATING CIRCUITS.
6. PROVIDE AS PART OF THE BASE CONTRACT ALL LABOR AND MATERIALS TO INSTALL FIFTEEN (15) ADDITIONAL FIRE ALARM DEVICES DURING CONSTRUCTION. THE ADDITIONAL FIRE ALARM DEVICES CAN BE BUT NOT LIMITED TO SMOKE DETECTOR, HEAT DETECTOR, DOOR HOLDER, DUCT DETECTOR, FAN SHUTDOWN, TAMPER SWITCHES, FLOW SWITCHES, ETC. INCLUDE ALL LABOR AND MATERIALS INCLUDING WIRE, BOXES, CONDUIT, TERMINATIONS, HARDWARE, SOFTWARE, PROGRAMMING AND TESTING.
7. HEAT DETECTORS IN ELEVATOR MACHINE ROOM AND/OR SHAFT SHALL HAVE A LOWER TEMPERATURE RATING THAN THE NEARBY SPRINKLER HEAD(S). HEAT DETECTORS SHALL BE INSTALLED 2'-0" MAXIMUM AWAY FROM EACH SPRINKLER HEAD IN THE ELEVATOR MACHINE ROOM AND EACH HEAD LOCATED GREATER THAN 2'-0" ABOVE THE FLOOR OF THE ELEVATOR SHAFT. UPON ACTIVATION OF A HEAT DETECTOR USED FOR ELEVATOR POWER SHUTDOWN, THERE SHALL BE A DELAY IN THE ACTIVATION OF THE POWER SHUNT TRIP. THIS DELAY SHALL BE THE TIME THAT IT TAKES THE ELEVATOR CAB TO TRAVEL FROM THE TOP OF THE HOISTWAY TO THE LOWEST RECALL LEVEL. COORDINATE WITH ELEVATOR CONTRACTOR.
8. DUCT SMOKE DETECTORS SHALL BE FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR AND INSTALLED IN DUCT WORK BY MECHANICAL CONTRACTOR.
9. CARBON MONOXIDE DETECTORS SHALL BE SUPERVISED BY FIRE ALARM SYSTEM AND SHALL NOT SEND AN ALARM SIGNAL TO THE SYSTEM. THESE DETECTORS SHALL BE MOUNTED ON SOUNDER BASES AND STROBES WHICH PROVIDE LOCAL ALARM ONLY IN A TEMPORAL 4 PATTERN OR CONSTANT TONE.
10. NATURAL GAS DETECTORS SHALL BE SUPERVISED BY FIRE ALARM SYSTEM AND SHALL NOT SEND AN ALARM SIGNAL TO THE SYSTEM. THESE ALARMS SHALL CONTAIN INTERNAL HORNS AND STROBES TO PROVIDE LOCAL ALARM ONLY.
11. ALL VISUAL ALARM DEVICES SHALL BE ADA COMPLIANT.
12. ELECTRICAL CONTRACTOR TO PROVIDE A RELAY FOR EACH SMOKE DAMPER/COMBINATION FIRE SMOKE DAMPER. RELAYS ARE NOT SHOWN ON PLANS FOR CLARITY.
13. DOOR HOLDERS SHALL BE FURNISHED AND WIRED BY THE ELECTRICAL CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR.
14. MAINTAIN A 19" TO 24" CLEARANCE AROUND THE CENTERLINE OF THE BEAM OF BEAM TYPE SMOKE DETECTORS.
15. PROVIDE REMOTE LED INDICATORS FOR ALL CONCEALED FIRE ALARM DEVICES SUCH AS DUCT SMOKE DETECTORS, ABOVE CEILING SMOKE DETECTORS, ELEVATOR SHAFT DETECTORS, MONITORING AND CONTROL MODULES, ETC. LED INDICATORS FOR DEVICES MOUNTED ABOVE DROP CEILINGS SHALL BE MOUNTED BELOW ASSOCIATED DEVICES. LABEL INDICATORS TO INDICATE DEVICE SERVED.
16. CONTRACTOR TO PROVIDE SMOKE DETECTOR(S) IN ALL LOCATIONS CONTAINING FIRE ALARM CONTROL PANELS, DATA GATHERING PANELS, BOOSTER POWER SUPPLIES, OR ANY OTHER FIRE ALARM SYSTEM PANEL, WHETHER SHOWN ON PLANS OR NOT.
17. CONTROL MODULES USED TO INITIATE EMERGENCY CONTROL FUNCTIONS THAT DO NOT FAIL IN A SAFE POSITION SHALL BE LOCATED WITHIN 3 FEET OF THE COMPONENT CONTROLLING THE EMERGENCY CONTROL FUNCTION PER NFPA 72. THIS INCLUDES, BUT IS NOT LIMITED TO, CONTROL MODULES CONNECTED TO FAN MOTOR CONTROLLERS, ELEVATOR CONTROLLERS, ETC.
18. BATTERY BACKUP FOR FACP SHALL PROVIDE A MINIMUM OF 24 HOURS OF STAND BY POWER FOLLOWED BY 45 MINUTES OF ALARM.
19. ALL FIRE ALARM PANELS, JUNCTION BOX COVERS, ETC SHALL BE PAINTED "FIRE DEPARTMENT RED".
20. MAKE CONNECTIONS TO SIDES OR BOTTOM OF FACP ONLY.



3 FIRE ALARM RISER DIAGRAM
SCALE: NONE



2 TYPICAL NLIGHT CONTROL SYSTEM WIRING DIAGRAM
SCALE: NONE



1 TYPICAL LIGHTING CONTROL WIRING DIAGRAM
SCALE: NONE

one eighth inch = one foot

Lothrop Associates Architects D.P.C.
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP+FP ENGINEER
OLA CONSULTING ENGINEERS
100 SUMMIT LAKE DRIVE, SUITE 102, VALHALLA, NY 10595
914.747.2800

STRUCTURAL ENGINEER
SILMAN STRUCTURAL SOLUTIONS
32 OLD SLIP 10th FLOOR
NEW YORK, NY 10005
212.620.7970

SURVEYOR
ROBERT E. SORACE PLS
11 THIRD STREET
NEW CITY, NY 10956
845.638.1498

GEO-TECHNICAL
CARLIN-SIMPSON ASSOCIATES
61 MAIN STREET
SAYREVILLE, NJ 08872
732.432.5757

CIVIL ENGINEER
INSITE ENGINEERING LLC
1955 RTE 34 STE 1A
WALL, NJ 07719-
732.531.7100

ISSUE NO.		DESCRIPTION
8	01/28/25	SED PERMIT AMENDMENT 01
7	12/20/24	ISSUED FOR NYSED PERMIT
6	11/22/24	CD PROGRESS REVIEW
5	09/26/24	CD PROGRESS REVIEW
4	06/05/24	ISSUED FOR NYSED SUBMISSION
3	05/30/24	PROGRESS REVIEW
2	05/15/24	95% REVIEW SET
1	04/30/24	PROGRESS REVIEW
	04/23/24	PROGRESS REVIEW

N

EXP DATE: AUGUST 31, 2026

PEARL RIVER PUBLIC LIBRARY

80 Franklin Ave.
Pearl River, NY 10965

RENOVATION AND ADDITIONS

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 006

ELECTRICAL DETAILS AND FIRE ALARM RISER DIAGRAM

PROJECT NO.: 2578-02 | SCALE: AS NOTED

DRAWING NO.:

E7.1