

# NYACK USFD DISTRICT WIDE AIR CONDITIONING: CAFETERIAS & GLOBAL LEARNING COMMONS

13 A Dickinson Avenue,  
Nyack, New York 10960

## DISTRICT WIDE AIR CONDITIONING: CAFETERIAS & GLOBAL LEARNING COMMONS

NY SED Project. No  
MS: 50-03-04-03-0-004-020  
LIBERTY: 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK: 50-03-04-03-0-007-023

KG&D Project No.  
2021-1055

### ISSUE FOR BID

NOVEMBER 6, 2023

### DESIGN TEAM

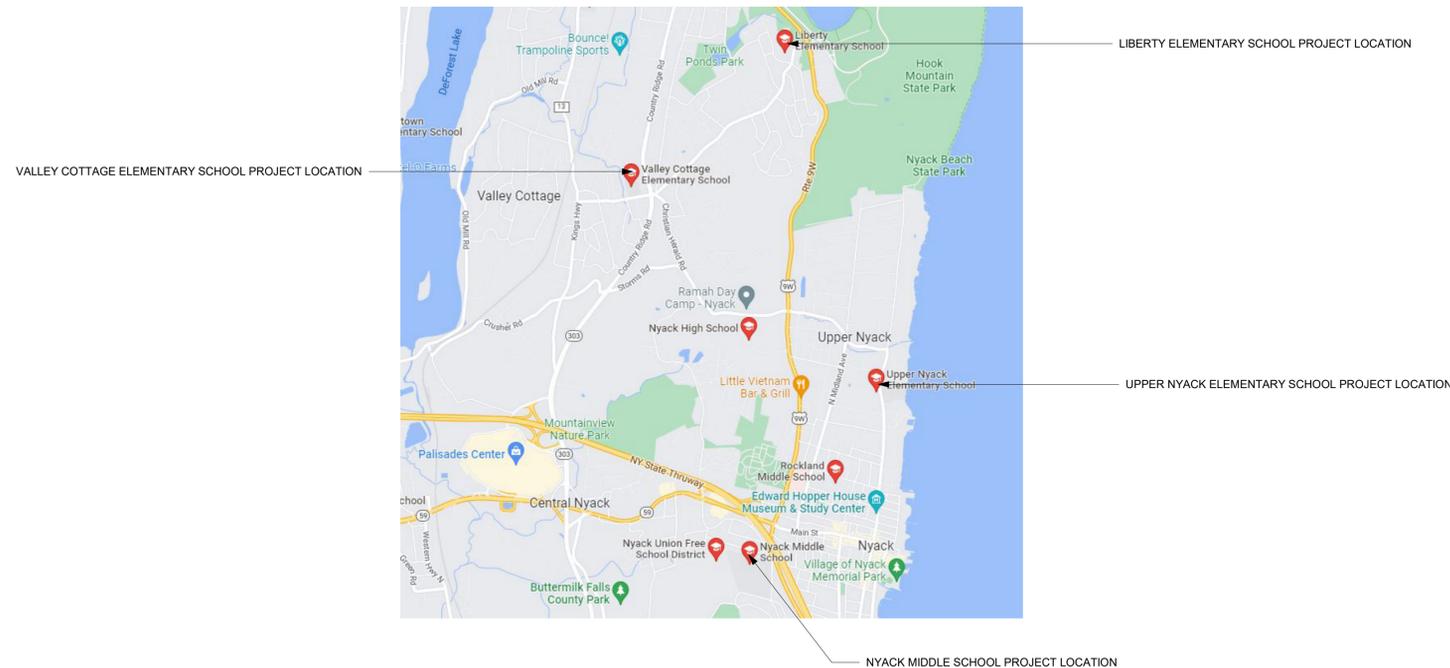
**ARCHITECT**  
**KG+D Architects**  
285 Main Street  
Mount Kisco, NY 10549  
phone: 914.666.5900

**MECHANICAL ENGINEER**  
**Barile Gallagher & Associates**  
**Consulting Engineers**  
39 Marble Avenue  
Pleasantville, NY 10570  
phone: 914.328.6060

**STRUCTURAL ENGINEER**  
**The Di Salvo Engineering Group**

Lee Farm Corporate Park - Suite 200  
83 Wooster Heights Road  
Danbury, CT 06810

phone: 203.490.4140



### LIST OF DRAWINGS

### SCOPE DESCRIPTION

GENERAL		H401	DETAILS
G000	COVER	H402	DETAILS
G001	ABBREV. ANNO. GENERAL NOTES		
STRUCTURAL		ELECTRICAL	
S001	GENERAL NOTES AND MATERIAL SPECIFICATIONS	E001	NOTES, ABBREVIATIONS, & LEGENDS
S101	MIDDLE SCHOOL PART. ROOF FRAMING & SITE PLANS	E100	SCOPE OF WORK PLAN
S102	LIBERTY ES PARTIAL ROOF FRAMING PLAN	E101	MIDDLE SCHOOL LL & FIRST FLOOR REMOVAL PLAN
S103	VALLEY COTTAGE ES PARTIAL ROOF FRAMING PLAN	E102	LIBERTY ES FIRST FLOOR REMOVAL PLANS
S104	UPPER NYACK ES PARTIAL ROOF FRAMING PLAN	E103	VALLEY COTTAGE ES FIRST FLOOR REMOVAL PLANS
S301	STEEL FRAMING SECTION AND TYPICAL DETAILS	E104	UPPER NYACK ES FIRST FLOOR REMOVAL PLANS
ARCHITECTURAL		E201A	MIDDLE SCHOOL PART LOWE LEVEL POWER PLAN
A200a	OVERALL PLANS	E201B	MIDDLE SCHOOL PART FIRST FLOOR POWER PLAN
A200b	OVERALL PLANS	E202	LIBERTY ES PART FIRST FLOOR POWER PLAN
A201	MIDDLE SCHOOL PART. PLAN, ROOF PLAN, & CEILING PLAN	E203	VALLEY COTTAGE ES FIRST FLOOR POWER PLAN
A202	LIBERTY ES PART. PLANS, ROOF PLANS, & CEILING PLAN	E204	UPPER NYACK ES FIRST FLOOR PLAN
A203	VC PART. PLANS, ROOF PLANS, & DETAILS	E301	MIDDLE SCHOOL SITE UTILITY PLAN
A204	UN PART. PLANS, ROOF PLANS, & DETAILS	E302	LIBERTY ES SITE UTILITY PLAN
A205	ROOF & EXTERIOR DETAILS	E303	VALLEY COTTAGE ES SITE UTILITY PLAN
MECHANICAL		E304	UPPER NYACK ES SITE UTILITY PLAN
H101	LEGEND, NOTES, & MIDDLE SCHOOL PART FIRST FLOOR PLAN (REMOVALS)	E501	MIDDLE SCHOOL RISER & SCHEDULES
H102	LIBERTY ES PART FIRST FLOOR PLAN (REMOVALS)	E502	LIBERTY ES RISER & SCHEDULES
H103	VALLEY COTTAGE ES PART FIRST FLOOR PLAN (REMOVALS)	E503	VALLEY COTTAGE ES RISER & SCHEDULES
H104	UPPER NYACK ES PART FIRST FLOOR PLANS (REMOVALS)	E504	UPPER NYACK ES RISER & SCHEDULES
H201	MIDDLE SCHOOL PART FIRST FLOOR PLAN (NEW WORK)	E701	DETAILS
H202	LIBERTY ES PART FIRST FLOOR PLANS (NEW WORK)	E702	DETAILS
H203	VALLEY COTTAGE ES PART FIRST FLOOR PLAN (NEW WORK)		
H204	UPPER NYACK ES PART FIRST FLOOR PLANS (NEW WORK)		
H205	ROOF PLANS (NEW WORK)		
H301	SCHEDULES		
H302	SCHEDULES		

Grand total: 49

INTERIOR RENOVATIONS, ROOF WORK, & ASSOCIATED SITE WORK NECESSARY TO ACCOMMODATE INSTALLATION OF NEW MECHANICAL & ELECTRICAL UPGRADES AT THE MIDDLE SCHOOL & ELEMENTARY SCHOOLS TO PROVIDE AIR CONDITIONING

# ABBREVIATIONS

<p> <b>AFF</b> ABOVE FINISH FLOOR  <b>ACM</b> ASBESTOS CONTAINING MATERIAL  <b>ACPL</b> ACOUSTIC PANEL  <b>ACT</b> ACOUSTIC CEILING TILE  <b>ADJ</b> ADJUSTABLE  <b>AC</b> AIR CONDITIONING  <b>AESS</b> ARCHITECTURAL EXPOSED STRUCTURAL STEEL  <b>AHAP</b> AS HIGH AS POSSIBLE  <b>ALUM</b> ALUMINUM  <b>AMP</b> ACRYLIC MODIFIED POLYESTER APPROXIMATE  <b>BEPO</b> BROADCAST EPOXY  <b>BTW</b> BETWEEN  <b>BLKG</b> BLOCKING  <b>BOT</b> BOTTOM  <b>BLDG</b> BUILDING  <b>BL</b> BUILDING LINE  <b>CAB</b> CABINET  <b>CB</b> CEMENT BOARD  <b>CI</b> CAST IRON  <b>CLG</b> CEILING  <b>CL</b> CENTER LINE  <b>CMU</b> CONCRETE MASONRY UNIT  <b>COL</b> COLUMN  <b>CONC</b> CONCRETE  <b>CONF</b> CONFERENCE  <b>CONST</b> CONSTRUCTION  <b>CONTR</b> CONTRACTOR  <b>CONT</b> CONTINUOUS  <b>CPT</b> CARPET  <b>CT</b> CERAMIC TILE  <b>CTB</b> CERAMIC TILE BASE  <b>DA</b> DEVICE ARRANGEMENT  <b>DET</b> DETAIL  <b>DF</b> DRINKING FOUNTAIN  <b>DIM</b> DIMENSION  <b>DR</b> DOOR  <b>DN</b> DOWN  <b>DWG</b> DRAWING  <b>EE</b> EACH END  <b>EIFS</b> EXTERIOR INSULATION FINISH SYSTEM  <b>EJ</b> EXPANSION JOINT  <b>ELEC</b> ELECTRIC/ELECTRICAL  <b>ELEV</b> ELEVATION  <b>ENCL</b> ENCLOSURE  <b>EOD</b> EDGE OF DECK  <b>EOS</b> EDGE OF SLAB  <b>EPO</b> EPOXY  <b>EPS</b> EDGE OF POUR STOP  <b>EQ</b> EQUAL  <b>ES</b> EACH SIDE  <b>EXST</b> EXISTING  <b>ETR</b> EXISTING TO BE RELOCATED  <b>ETRE</b> EXISTING TO BE RELOCATED  <b>EXP JT</b> EXPANSION JOINT  <b>EXT</b> EXTERIOR  <b>EW</b> EACH WAY                 </p>	<p> <b>FAB</b> FABRIC  <b>FTF</b> FACE TO FACE  <b>FIN</b> FINISHED  <b>FA</b> FIRE ALARM  <b>FD</b> FLOOR DRAIN  <b>FDMPR</b> FIRE DAMPER  <b>FE</b> FIRE EXTINGUISHER  <b>FEC</b> FIRE EXTINGUISHER CABINET  <b>FF</b> FACTORY FINISH  <b>FHC</b> FIRE HOSE CABINET  <b>FHVC</b> FIRE HOSE VALVE CABINET  <b>FR</b> FIRE RATED  <b>FRD</b> FRENCH DRAIN  <b>FFSC</b> FIRE RATED ASSEMBLY (DOORS)  <b>FRTD</b> FIRE RETARDANT  <b>FIX</b> FIXTURE  <b>FLFLR</b> FLOOR  <b>FLUOR</b> FLUORESCENT  <b>FL MTD</b> FLUSH MOUNTED  <b>FT</b> FOOT/FEET  <b>FDN</b> FOUNDATION  <b>FRITZ</b> FRITZ FLOOR (RTT) TILE  <b>GALV</b> GALVANIZED  <b>GFB</b> GROUND FACE BLOCK  <b>GFRG</b> GLASS FIBER REINFORCED GYPSUM  <b>GL</b> GLASS  <b>GOG</b> GOGGLE  <b>GWB</b> GYPSUM WALLBOARD  <b>H</b> HEIGHT AFF  <b>HDW</b> HARDWARE  <b>HDWD</b> HARDWOOD  <b>HD</b> HEAD  <b>HDR</b> HEADER  <b>HVAC</b> HEATING, VENTILATING, AIR CONDITIONING  <b>HR</b> HOUR  <b>HT</b> HEIGHT  <b>HM</b> HOLLOW METAL  <b>HMFR</b> HOLLOW METAL FRAME  <b>DN</b> DOWN  <b>HORIZ</b> HORIZONTAL  <b>HC</b> HANDICAP  <b>IF</b> INSIDE FACE  <b>IN</b> INCH/INCHES  <b>INCL</b> INCLUDE/INCLUSIVE  <b>INFO</b> INFORMATION  <b>INSUL</b> INSULATION  <b>INT</b> INTERIOR  <b>JC</b> JANITOR'S CLOSET  <b>JT</b> JOINT  <b>KPL</b> KICK PLATE  <b>KD</b> KNOCKDOWN  <b>KO</b> KNOCKOUT  <b>LAM</b> LAMINATED  <b>LAMGL</b> LAMINATED GLASS  <b>LT</b> LIGHT  <b>LTG</b> LIGHTING  <b>LWC</b> LIGHT WEIGHT CONCRETE  <b>LIN</b> LINOLEUM                 </p>	<p> <b>MAINT</b> MAINTAIN/MAINTENANCE  <b>MAX</b> MAXIMUM  <b>MFG</b> MANUFACTURER  <b>MSNRY</b> MASONRY  <b>MO</b> MASONRY OPENING  <b>MATL</b> MATERIAL  <b>MECH</b> MECHANICAL  <b>MTL</b> METAL  <b>MCP</b> METAL COMPOSITE PANEL  <b>MCB</b> METAL CORNER BEAD  <b>MS</b> METAL STUD  <b>MLWK</b> MILL WORK  <b>MIN</b> MINIMUM  <b>MISC</b> MISCELLANEOUS  <b>MLDG</b> MOLDING  <b>MTG</b> MOUNTING  <b>NIC</b> NOT IN CONTRACT  <b>NTS</b> NOT TO SCALE  <b>NO</b> NUMBER  <b>OC</b> ON CENTER  <b>OPNG</b> OPENING  <b>OPP</b> OPPOSITE  <b>OH</b> OPPOSITE HAND  <b>OTS</b> OPEN TO STRUCTURE  <b>OUT</b> OUTLET  <b>OD</b> OUTSIDE DIAMETER  <b>OF</b> OUTSIDE FACE  <b>P</b> PAINTED  <b>PT</b> PORCELAIN TILE  <b>PTB</b> PORCELAIN TILE BASE  <b>PR</b> PAIR  <b>PNL</b> PANEL  <b>PTN</b> PARTITION  <b>PL</b> PROPERTY LINE  <b>PLM</b> PLASTIC LAMINATE  <b>PLMB</b> PLUMBING  <b>PLYWD</b> PLYWOOD  <b>PTWD</b> PRESERVATIVE TREATED WOOD  <b>QTY</b> QUANTITY  <b>QT</b> QUARRY TILE  <b>QTB</b> QUARRY TILE BASE  <b>REFL</b> REFLECTED CEILING PLAN  <b>REFD</b> REFLECTED  <b>REQD</b> REQUIRED  <b>RB</b> RUBBER BASE  <b>RTN</b> RETURN  <b>RA</b> RETURN AIR  <b>REV</b> REVISED/REVISION  <b>RFI</b> REQUEST FOR INFORMATION  <b>RO</b> ROUGH OPENING  <b>RT</b> RUBBER TREATD/TILE  <b>RTB</b> RUBBER TREAD BASE  <b>RTT</b> RESILIENT TERRAZZO TILE  <b>RTW</b> RESCUE WINDOW  <b>RCP</b> REFLECTED CEILING PLAN  <b>REQD</b> REQUIRED  <b>RB</b> RUBBER BASE  <b>RTN</b> RETURN  <b>RA</b> RETURN AIR  <b>REV</b> REVISED/REVISION  <b>RFI</b> REQUEST FOR INFORMATION  <b>RO</b> ROUGH OPENING  <b>RT</b> RUBBER TREATD/TILE  <b>RTB</b> RUBBER TREAD BASE  <b>RTT</b> RESILIENT TERRAZZO TILE  <b>RTW</b> RESCUE WINDOW                 </p>	<p> <b>S</b> SAFETY GLZING/SEE SPEC  <b>SCHED</b> SCHEDULE/SCHEDULED  <b>SECT</b> SECTION  <b>SFB</b> SPLIT FACE BLOCK  <b>SH</b> SHELVING/SHELF/SHELVES  <b>SIM</b> SIMILAR  <b>SL</b> SLATE  <b>STC</b> SOUND TRANSMISSION CLASS  <b>SPEC</b> SPECIFICATION  <b>SQFT</b> SQUARE FOOT  <b>ST</b> SAND, STAIN &amp; SEAL  <b>STSTL</b> STAINLESS STEEL  <b>STL</b> STEEL  <b>STR</b> STRUCTURAL/STRUCTURE  <b>SUSP</b> SUSPENDED/SUSPENSION  <b>T</b> TOP  <b>TB</b> TACKBOARD  <b>TBD</b> TO BE DETERMINED  <b>TERR</b> TERRAZZO  <b>TFF</b> TOP FINISHED FLOOR  <b>TME</b> TO MATCH EXISTING  <b>TMP GL</b> TEMPERED GLASS  <b>THERMO</b> THERMOSTAT  <b>T&amp;B</b> TOP AND BOTTOM  <b>TO</b> TOP OF  <b>TOS</b> TOP OF STEEL  <b>TOSS</b> TOP OF STRUCTURAL SLAB  <b>TOES</b> TOP OF EXISTING SLAB  <b>TRT</b> TERRAZZO RESILIENT TILE  <b>TYP</b> TYPICAL  <b>UNFIN</b> UNFINISHED  <b>UNO</b> UNLESS NOTED OTHERWISE  <b>UR</b> UNRINAL  <b>UTIL</b> UTILITY  <b>VAT</b> VINYL ASBESTOS TILE  <b>VCT</b> VINYL COMPOSITE TILE  <b>VEN</b> VENEER  <b>VERT</b> VERTICAL  <b>VET</b> VINYL ENHANCED TILE  <b>VIF</b> VERIFY IN FIELD  <b>VRS</b> VINYL REDUCER STRIP  <b>VT</b> VINYL TILE  <b>VWC</b> VINYL WALL COVERING  <b>WB</b> WHITEBOARD  <b>WC</b> WATER CLOSET  <b>WF</b> WATER FOUNTAIN  <b>WGL</b> WIRE GLASS  <b>W</b> WITH  <b>WC</b> WHEEL CHAIR  <b>W/O</b> WITHOUT  <b>WOM</b> WALK OFF MAT  <b>WD</b> WOOD  <b>WD</b> WOOD BLOCKING  <b>WD</b> WOOD DOOR  <b>BLKG</b> WOOD DOOR  <b>WD DR</b> WATERPROOFING  <b>WP</b> WARDROBE  <b>WR</b> WINDOW WALL  <b>WW</b> WINDOW WALL  <b>YD</b> YARD  <b>YD</b> YARD CLEANOUT  <b>YCO</b> YARD CLEANOUT  <b>ZCC</b> ZINC COATED COPPER                 </p>
---	---	--	--

# DRAWING ANNOTATIONS

	ROOM TAG (NAME, NUMBER, & AREA)
	WALL TYPE & FIRE RATING TAG
	WINDOW TYPE TAG
	DOOR DESIGNATION TAG
	CONTROL JOINT
	COLUMN LINE
	EXTERIOR ELEVATION
	INTERIOR ELEVATION
	WALL OR BUILDING SECTION
	DENOTES EXISTING AREA OF THE BUILDING TO REMAIN (NO MAJOR GENERAL CONSTRUCTION).
	DENOTES EXISTING WALL TO REMAIN
	DENOTES EXISTING WALL TO BE DEMOLISHED
	DENOTES 1hr OR NON-RATED WALL
	DENOTES 2hr RATED WALL
	DENOTES WALL TYPE & FIRE RATING
	DENOTES HOLLOW METAL FRAME w/ SIDELITE OR TRANSOM
	DENOTES EXISTING DOOR TO REMAIN (U.N.O)
	DENOTES EXISTING DOOR AND OR FRAME TO BE DEMOLISHED. SEE DOOR SCHEDULE.
	DENOTES NEW DOOR AND OR FRAME. SEE DOOR SCHEDULE
	CONSTRUCTION NOTE
	DEMOLITION NOTE

# UNIFORM SAFETY STANDARDS FOR SCHOOL CONSTRUCTION & MAINTENANCE PROJECTS

THE OCCUPIED PORTION OF THE EXISTING SCHOOL BUILDING SHALL ALWAYS COMPLY WITH THE MINIMUM REQUIREMENTS NECESSARY TO MAINTAIN A CERTIFICATE OF OCCUPANCY.

ALL SCHOOL AREAS TO BE DISTURBED DURING RENOVATION OR DEMOLITION HAVE BEEN OR WILL BE TESTED FOR LEAD AND ASBESTOS.

GENERAL SAFETY AND SECURITY STANDARDS FOR SCHOOL CONSTRUCTION PROJECTS:

- (A) ALL CONSTRUCTION MATERIALS SHALL BE STORED IN A SAFE AND SECURE MANNER.
- (B) FENCES AROUND CONSTRUCTION SUPPLIES OR DEBRIS SHALL BE MAINTAINED.
- (C) GATES SHALL ALWAYS BE LOCKED UNLESS A WORKER IS IN ATTENDANCE TO PREVENT UNAUTHORIZED ENTRY.
- (D) DURING EXTERIOR RENOVATION WORK, OVERHEAD PROTECTION SHALL BE PROVIDED FOR ANY SIDEWALKS OR AREAS IMMEDIATELY BENEATH THE WORK SITE OR SUCH AREAS SHALL BE FENCED OFF AND PROVIDED WITH WARNING SIGNS TO PREVENT ENTRY.
- (E) WORKERS SHALL BE REQUIRED TO WEAR PHOTO-IDENTIFICATION BADGES AT ALL TIMES FOR IDENTIFICATION AND SECURITY PURPOSES WHILE WORKING AT OCCUPIED SITES.

SEPARATION OF CONSTRUCTION AREAS FROM OCCUPIED SPACES:

CONSTRUCTION AREAS WHICH ARE UNDER THE CONTROL OF A CONTRACTOR AND THEREFORE NOT OCCUPIED BY DISTRICT STAFF OR STUDENTS SHALL BE SEPARATED FROM OCCUPIED AREAS. PROVISIONS SHALL BE MADE TO PREVENT THE PASSAGE OF DUST AND CONTAMINANTS INTO OCCUPIED PARTS OF THE BUILDING. PERIODIC INSPECTION AND REPAIRS OF THE CONTAINMENT BARRIERS MUST BE MADE TO PREVENT EXPOSURE TO DUST OR CONTAMINANTS. GYPSUM BOARD MUST BE USED IN EXIT WAYS OR OTHER AREAS THAT REQUIRE FIRE RATED SEPARATION. HEAVY DUTY PLASTIC SHEETING MAY BE USED ONLY FOR A VAPOR, FINE DUST OR AIR INFILTRATION BARRIER, AND SHALL NOT BE USED TO SEPARATE OCCUPIED SPACES FROM CONSTRUCTION AREAS.

- (A) A SPECIFIC STAIRWELL AND/OR ELEVATOR SHOULD BE ASSIGNED FOR CONSTRUCTION WORKER USE DURING WORK HOURS. IN GENERAL, WORKERS MAY NOT USE CORRIDORS, STAIRS OR ELEVATORS DESIGNATED FOR STUDENTS OR SCHOOL STAFF.
- (B) LARGE AMOUNTS OF DEBRIS MUST BE REMOVED BY USING ENCLOSED CHUTES OR A SIMILAR SEALED SYSTEM. THERE SHALL BE NO MOVEMENT OF DEBRIS THROUGH HALLS OF OCCUPIED SPACES OF THE BUILDING. NO MATERIAL SHALL BE DROPPED OR THROWN OUTSIDE THE WALLS OF THE BUILDING.
- (C) ALL OCCUPIED PARTS OF THE BUILDING AFFECTED BY RENOVATION ACTIVITY SHALL BE CLEANED AT THE CLOSE OF EACH WORKDAY. SCHOOL BUILDINGS OCCUPIED DURING A CONSTRUCTION PROJECT SHALL MAINTAIN REQUIRED HEALTH, SAFETY AND EDUCATIONAL CAPABILITIES AT ALL TIMES THAT CLASSES ARE IN SESSION.

A PLAN DETAILING HOW EXITING REQUIRED BY THE APPLICABLE BUILDING CODE WILL BE MAINTAINED.

A PLAN DETAILING HOW ADEQUATE VENTILATION WILL BE MAINTAINED DURING CONSTRUCTION.

CONSTRUCTION AND MAINTENANCE OPERATIONS SHALL NOT PRODUCE NOISE IN EXCESS OF 60 DBA IN OCCUPIED SPACES OR SHALL BE SCHEDULED FOR TIMES WHEN THE BUILDING OR AFFECTED BUILDING SPACES ARE NOT OCCUPIED OR ACOUSTICAL ABATEMENT MEASURES SHALL BE TAKEN.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF CHEMICAL FUMES, GASES, AND OTHER CONTAMINANTS PRODUCED BY WELDING, GASOLINE OR DIESEL ENGINES, ROOFING, PAVING, PAINTING, ETC. TO ENSURE THEY DO NOT ENTER OCCUPIED PORTIONS OF THE BUILDING OR AIR INTAKES.

THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ACTIVITIES AND MATERIALS WHICH RESULT IN "OFF-GASSING" OF VOLATILE ORGANIC COMPOUNDS SUCH AS GLUES, PAINTS, FURNITURE, CARPETING, WALL COVERING, DRAPERY, ETC. ARE SCHEDULED, CURED OR VENTILATED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS BEFORE A SPACE CAN BE OCCUPIED.

LARGE AND SMALL ASBESTOS ABATEMENT PROJECTS AS DEFINED BY 12NYCRR56 SHALL NOT BE PERFORMED WHILE THE BUILDING IS OCCUPIED". NOTE, IT IS OUR INTERPRETATION THAT THE TERM "BUILDING", AS REFERENCED IN THIS SECTION, MEANS A WING OR MAJOR SECTION OF A BUILDING THAT CAN BE COMPLETELY ISOLATED FROM THE REST OF THE BUILDING WITH SEALED NON COMBUSTIBLE CONSTRUCTION. THE ISOLATED PORTION OF THE BUILDING MUST CONTAIN EXITS THAT DO NOT PASS THROUGH THE OCCUPIED PORTION AND VENTILATION SYSTEMS MUST BE PHYSICALLY SEPARATED AND SEALED AT THE ISOLATION BARRIER. EXTERIOR WORK SUCH AS ROOFING, FLASHING, SIDING, OR SOFFIT WORK MAY BE PERFORMED ON OCCUPIED BUILDINGS PROVIDED PROPER VARIANCES ARE IN PLACE AS REQUIRED, AND COMPLETE ISOLATION OF VENTILATION SYSTEMS AND AT WINDOWS IS PROVIDED. CARE MUST BE TAKEN TO SCHEDULE WORK SO THAT CLASSES ARE NOT DISRUPTED BY NOISE OR VISUAL DISTRACTION.

SURFACES THAT WILL BE DISTURBED BY RECONSTRUCTION MUST HAVE A DETERMINATION MADE AS TO THE PRESENCE OF LEAD. PROJECTS WHICH DISTURB SURFACES THAT CONTAIN LEAD SHALL HAVE IN THE SPECIFICATIONS A PLAN PREPARED BY A CERTIFIED LEAD RISK ASSESSOR OR SUPERVISOR WHICH DETAILS PROVISIONS FOR OCCUPANT PROTECTION, WORKSITE PREPARATION, WORK METHODS, CLEANING AND CLEARANCE TESTING WHICH ARE IN GENERAL ACCORDANCE WITH THE HUD GUIDELINES.

# DISTRICT WIDE AIR CONDITIONING: CAFETERIAS & GLOBAL LEARNING COMMONS

NYACK UNION FREE SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P: 914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

# CONSTRUCTION DOCUMENTS



CONSULTING ENGINEERS  
39 MARBLE LANE, PLAINSMITHVILLE, NY 10970  
PHONE: 914.336.6000 FAX: 914.336.5104

# BUILDING INFORMATION

<p> <b>BUILDING - MS</b> NYACK MIDDLE SCHOOL  <b>PROJECT LOCATION</b> 98 S HIGHLAND AVE NYACK, NEW YORK 10960  <b>NYSED CONTROL NO.</b> 50-03-04-03-0-004-020  <b>TYPE OF PROJECT</b> ALTERATION LEVEL 2  <b>YEAR OF CONSTRUCTION</b> 1989  <b>USES AND OCCUPANCY CLASSIFICATION</b> EDUCATION GROUP E  <b>BUILDING HEIGHT (STORIES)</b> 2 + BASEMENT  <b>TOTAL BUILDING AREA</b> 50,345 SF  <b>TYPE OF CONSTRUCTION</b> IIB                 </p>	<p> <b>BUILDING - ES</b> VALLEY COTTAGE ELEMNTARY SCHOOL  <b>PROJECT LOCATION</b> 26 LAKE ROAD VALLEY COTTAGE, NEW YORK 10989  <b>NYSED CONTROL NO.</b> 50-03-04-03-0-001-016  <b>TYPE OF PROJECT</b> ALTERATION LEVEL 2  <b>YEAR OF CONSTRUCTION</b> 1927  <b>USES AND OCCUPANCY CLASSIFICATION</b> EDUCATION GROUP E  <b>BUILDING HEIGHT (STORIES)</b> 2  <b>TOTAL BUILDING AREA</b> 46,850 SF  <b>TYPE OF CONSTRUCTION</b> IIB                 </p>
<p> <b>BUILDING - ES</b> LIBERTY ELEMENTARY SCHOOL  <b>PROJECT LOCATION</b> 142 LAKE ROAD VALLEY COTTAGE, NEW YORK 10989  <b>NYSED CONTROL NO.</b> 50-03-04-03-0-006-016  <b>TYPE OF PROJECT</b> ALTERATION LEVEL 2  <b>YEAR OF CONSTRUCTION</b> 1960, 1987 ADDITION  <b>USES AND OCCUPANCY CLASSIFICATION</b> EDUCATION GROUP E  <b>BUILDING HEIGHT (STORIES)</b> 2  <b>TOTAL BUILDING AREA</b> 44,222 SF  <b>TYPE OF CONSTRUCTION</b> IIB                 </p>	<p> <b>BUILDING - ES</b> UPPER NYACK ELEMENTARY SCHOOL  <b>PROJECT LOCATION</b> 336 N BROADWAY NYACK, NEW YORK 10960  <b>NYSED CONTROL NO.</b> 50-03-04-03-0-007-023  <b>TYPE OF PROJECT</b> ALTERATION LEVEL 2  <b>YEAR OF CONSTRUCTION</b> 1955  <b>USES AND OCCUPANCY CLASSIFICATION</b> EDUCATION GROUP E  <b>BUILDING HEIGHT (STORIES)</b> 2  <b>TOTAL BUILDING AREA</b> 36,610 SF  <b>TYPE OF CONSTRUCTION</b> IIB                 </p>

2	11/06/2023	ISSUE FOR BID
1	05/17/2022	CONSTRUCTION DOCUMENTS

No. Date Issue

# ABBREV, ANNO, GENERAL NOTES

Job No.	2021-1055	Date	01/27/2022
Scale	AS NOTED	Drawn / Checked	MA SD

Sheet Number

G001

**General Notes:**

- The purpose of these drawings is to show the structural work associated with Nyack Public Schools district wide ventilation upgrade.
- The work shown on these drawings has been designed in accordance with the structural requirements of the 2020 edition of the Building Code of New York State.
- The structural components have been designed for the following loads:
  - Roof loads:**
    - Snow:
 

Ground snow load, $p_g$	30 psf
Flat roof snow load, $p_f$	27.7 psf*
Exposure factor, $C_e$	1.2
Importance factor, $I_s$	1.1
Thermal factor, $C_t$	1.0
Drift surcharge load, $p_d$	36.5 psf
Width of snow drift, $W$	8 feet
    - Rain loads: in accordance with Section 1611
 

Roof live load:	20 psf min
Rainfall intensity (15-min. duration/100 year avg. interval)	6.00 in./hr.
  - Wind design data:
 

Wind loads have been determined based on Section 1609.1.1 in accordance with ASCE 7-16, Chapters 26, 27, 29 and 30, Directional Procedure				
Risk category	III			
Basic wind speed (3-second gust):				
Ultimate design wind speed, $V_{ult}$	123 mph			
Nominal design wind speed, $V_{asd}$	95.3 mph			
Exposure	C			
Internal pressure coefficient	0.18			
"a" dimension for use with components and cladding	6.5 ft			
Design wind pressure (Nominal design wind pressures) for components and cladding on building walls (use Zone 4 generally; use Zone 5 within "a" of building wall corners):				
Surface pressure (psf)				
Area	10 sq.ft.	20 sq.ft.	50 sq.ft.	100 sq.ft.
Negative Zone 4	-20.8	-20.0	-18.9	-18.0
Negative Zone 5	-25.7	-23.9	-21.7	-20.0
Positive Zones 4 & 5	19.2	18.4	17.3	16.4

- Wind design for existing buildings:  
Not required since the proposed alterations does not increase the demand-capacity ratio of any wind load carrying structural element by more than 10 percent cumulative since the original construction.
- Earthquake design data:
 

Risk category	III
Seismic importance factor, $I_e$ :	1.25
Mapped short period spectral response accelerations, $S_s$ :	0.299g
Mapped 1 second period spectral response accelerations, $S_1$ :	0.062g
Site class:	D
Design short period spectral response accelerations, $S_{ps}$ :	0.311g
Design 1 second period spectral response accelerations, $S_{p1}$ :	0.099g
Seismic design category:	B
Seismic force resisting system: intermediate reinforced masonry shear walls	
Design base shear:	0.10W KIPS
Seismic response coefficient, $C_d$ :	0.13
Response modification factor, $R$ :	3
Deflection amplification factor, $C_d$ :	3
Analysis procedure: Equivalent Lateral Force	
Earthquake design for existing buildings:	

Not required since the proposed alterations do not increase the demand-capacity ratio of any seismic load carrying structural element by more than 10 percent cumulative since the original construction.

- Existing buildings:
  - For existing structural elements carrying gravity loads, the proposed alterations do not increase the stress in any structural element by more than 5 percent nor does it decrease the strength of any structural element to less than required by the building code for new structures.
- This structure has been designed to be self-supporting and stable after the work shown on these drawings has been completed. The stability of the structure prior to completion is solely the responsibility of the contractor. This responsibility extends to all related aspects of the construction activity including, but not limited to, erection methods, erection sequence, temporary bracing, forms, shoring, use of equipment, and similar construction procedures. Review of the construction by the engineer is for conformance with design aspects only; not to review the contractor's construction procedures. Lack of comment on the part of the engineer with regard to construction procedures is not to be interpreted as approval of those procedures.
- Shoring note: The contractor is responsible for designing, providing and installing all temporary shoring that is required to support instabilities of existing structure during construction and due to the removal of existing supporting walls and existing framing members for installation of new framing and foundations. Shoring shall be fully installed and stable prior to removal of existing structural elements.
- Jobsite safety and construction procedures are solely the responsibility of the contractor. Review of the construction by the engineer is for conformance with design aspects only, not to review the contractor's provisions for job site safety. Lack of comment by the engineer is not to be interpreted as approval of those aspects of work.
- PDF digital files of all erection and detail shop drawings for structural steel, indicating the fabricator, manufacturer, finish, layout, and all accessories, must be submitted to and be checked by the contractor and subcontractor and bear the checker's initials before submission to the architect for review prior to fabrication. Fabrication and/or delivery to the site of components prior to receiving approved shop drawings shall be at the fabricator's own risk.
- If faulty construction procedures, or material, result in defective work that requires additional engineering time to devise corrective measures, professional fees may be charged to the contractor at the standard hourly rate of additional services. Such fees may be withheld from the general contractor's payment.
- Loads, openings and structure in any way related to requirements of other (non-structural) disciplines are shown for bidding purposes only. However, these plans do not show the full scope of openings, in roofs, floors and walls. For size and location of all openings, see architectural and mechanical drawings. Do not scale openings. The contractor shall obtain from the heating and ventilating, electrical, plumbing, and other trades the final approved size and location of all openings, equipment and work to be provided for their trade for roofs, floors and walls, whether shown or not shown on structural drawings. Excess cost related to variation in requirements or equipment are not to be borne by the owner.
- For any mechanical equipment weights used in design of supporting elements that are indicated on the drawings. Contractor shall notify the architect prior to installation of equipment if actual weight exceeds weight shown on drawings.
- The contractor shall verify all dimensions, elevations and angles with architectural drawings and existing conditions before proceeding with any work.
- The contractor shall field verify existing conditions before proceeding with any work.
- The contractor and subcontractors shall obtain the latest copies of approved plans and surveys and they shall familiarize themselves thoroughly with these plans before commencing any work.
- Work shown as "Typical Details" apply throughout the project as required. Work shown as "Sections" shall be considered to apply for the same and similar conditions in the building.
- Some details of the work are shown on the architectural drawings. A careful review and study of these details are necessary before the full scope of the work can be comprehended.
- Do not scale drawings.

**Codes and Standards References**

- Concrete masonry:
  - Concrete masonry work shall conform to the requirements of TMS 402-16, "Building Code Requirements for Masonry Structures" and TMS 602-16, "Specifications for Masonry Structures".
- Structural steel:
  - Design, fabrication and erection of structural steel shall conform to the "Specification for Structural Steel for Buildings" as adopted on July 7, 2016, by the American Institute of Steel Construction (AISC) and the 15th Edition of the AISC Steel Construction Manual.

**Connections to Existing Masonry or Hardened Concrete:**

- All proprietary anchoring systems (expansion, adhesive anchoring systems, etc.) to be installed into hardened concrete and masonry elements are to be installed in strict accordance with the manufacturer's instructions for drilling and preparation of holes, for spacing and edge distance requirements, and for the utilization of supplemental components for the anchoring systems such as screen tubes, doweling adhesives, etc.
- Connections to hardened concrete shall be made with anchors conforming to ACI 318, as specified in the code reference section of these general notes, for cracked concrete, and Chapter 19 of the state building code indicated at the beginning of these general notes.
  - Mechanical anchors shall be either
    - Dewalt "Screw-Bolt+" screw anchor, zinc-plated or galvanized

- Connections to grout filled concrete masonry shall be made with either 1) Hilti "HAS" ASTM F1554 Grade 36 anchor rods using Hilti "HIT HY270" masonry adhesive anchoring systems or 2) Simpson "RFB" ASTM F1554 Grade 36 anchor rods using Simpson "Set-XP" masonry adhesive anchoring system or 3) ASTM F1554 Grade 36 anchor rods using Dewalt AC100+ Gold masonry adhesive anchoring system.
- Connections to hollow concrete or clay brick masonry shall be made with either 1) Hilti "HAS" ASTM F1554 Grade 36 anchor rods using Hilti "HIT HY270" masonry adhesive anchoring system with "HIT-SC" composite screen tubes or 2) Simpson "RFB" ASTM F1554 Grade 36 anchor rods using Simpson "SET-XP" masonry adhesive anchoring system with Simpson "Opti-mesh" plastic screen tubes or 3) ASTM F1554 Grade 36 anchor rods using Dewalt AC100+ Gold masonry adhesive anchoring system with composite screen tubes.

**Structural Steel Notes:**

- Design fabrication and erection of structural steel shall conform to the American Institute of Steel Construction's "Specification for Structural Steel for Buildings", as specified in the code reference section of these general notes.
- Materials:
 

Wide flange shapes:	ASTM A 992 Grade 50
American standard shapes, angles,	
Plates and bars:	ASTM A 36
Bolts	ASTM F3125, Grade A 325 A490
Welding electrode	ASTM E 70xx, low hydrogen
- All welding shall conform to American Welding Society's AWS D1.1 "Structural Welding Code-Steel" code for arc and gas welding and be performed by a certified welder in accordance with A.W.S. standards
- Structural steel shall be cleaned in accordance with the Steel Structures Painting Council Specification SP 3 for Power Tool Cleaning (except for steel exposed to weather).
- All steel members and bolting exposed to weather shall be cleaned in accordance with the Steel Structures Painting Council Specification SP 6 for Commercial Blast Cleaned and hot-dipped galvanized in accordance with ASTM A 123 and ASTM A 153. Minimum acceptable zinc coating weight shall be 2 oz./sq. Ft. See architectural specifications for finished paint if required. Clean areas where galvanizing is damaged or missing and repair galvanizing to comply with ASTM A 780.
- For miscellaneous steel, see architectural drawings.
- Existing steel surfaces to receive field welds shall be thoroughly cleaned and free from paint, rust, grease, etc.
- Submittals to the engineer are required for certificates of compliance for structural steel, bolts, nuts, washers, and weld filler material prior to the fabrication of any steel

**Lintel Notes:**

- Unless otherwise noted, for lintels over doors, windows, ducts, and miscellaneous openings in non-bearing 4", 8" and 12" CMU walls and brick walls use for each 4" of masonry:
 

Angle size	Max. M.O.	Bearing each end
3 1/2" x 3/8" flat plate	2'-0"	6"
3 1/2" x 4" x 5/16" (LLV)	3'-6"	6"
3 1/2" x 5" x 5/16" (LLV)	5'-0"	6"
3 1/2" x 6" x 5/16" (LLV)	6'-0"	8"
3 1/2" x 6" x 3/8" (LLV)	8'-0"	8"
- See architectural and mechanical drawings for size and location of openings.
- Lintels supporting exterior masonry shall be hot-dipped galvanized. See structural steel notes.
- Lintels for openings in walls: These plans do not show the full scope of steel lintels required for wall openings for doors, windows, ducts, louvers, etc.. For masonry opening size and location of all wall openings, see architectural and mechanical drawings. Do not scale openings. For steel lintel size for corresponding masonry opening size, see notes, above, unless otherwise noted on plans.

**DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS**

NYACK UNION FREE  
SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



**KG+D ARCHITECTS, PC**

285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

**CONSTRUCTION DOCUMENTS**



**BARILE GALLAGHER & ASSOCIATES**

CONSULTING ENGINEERS  
30 MARBLE AVE. PLASANTVILLE, NY 10979  
PHONE: 914.666.5900 [www.tdeg.com](http://www.tdeg.com)



93 Lake Avenue, Suite 201  
Danbury, CT 06810  
[203] 490-4140 | [www.tdeg.com](http://www.tdeg.com)

**OWNERSHIP, USE AND ALTERATION OF DOCUMENTS**

The Client acknowledges that the documents, drawings, specifications including electronic media files are instruments of The DiSalvo Engineering Group's services and shall remain the property of The DiSalvo Engineering Group. The Client or any person or entity that acquires or obtains the drawings and specifications from or through The Client shall not use them on any other project, shall not modify, alter or change the drawings and specifications without written authorization from The DiSalvo Engineering Group. Furthermore, the Client agrees to the fullest extent permitted by law to indemnify and hold harmless The DiSalvo Engineering Group, its officers, directors and employees from any and all claims, suits, liability, demands or costs, including attorney fees arising out of or resulting therefrom.

Professional Seal

2	11/06/2023	ISSUE FOR BID
1	05/17/2022	CONSTRUCTION DOCUMENTS

No. Date Issue

**GENERAL NOTES  
AND MATERIAL  
SPECIFICATIONS**

Job No.	22130.00	Date	05/17/2022
Scale	AS NOTED	Drawn / Checked	GCF/ BDR

Sheet Number

**S001**

DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS

NYACK UNION FREE  
SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY: 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK: 50-03-04-03-0-007-023

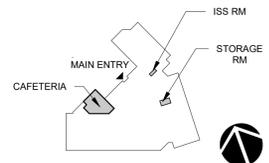
CONSTRUCTION DOCUMENTS



**BARILLE GALLAGHER & ASSOCIATES**  
CONSULTING ENGINEERS  
19 MORRIS AVE. PLASANTVILLE, NY 10979  
PHONE: 845.338.8800 FAX: 845.338.8801



**The Di Salvo Engineering Group**  
Structural Engineers  
93 Lake Avenue, Suite 201  
Danbury, CT 06810  
[203] 490-4140 | www.tdeg.com



OWNERSHIP, USE AND ALTERATION OF DOCUMENTS:

The Client acknowledges that the documents, drawings, specifications including electronic media files are instruments of The Di Salvo Engineering Group's services and shall remain the property of The Di Salvo Engineering Group. The Client or any person or entity that acquires or obtains the drawings and specifications from or through The Client shall not use them on any other project, shall not modify, alter or change the drawings and specifications without written authorization from The Di Salvo Engineering Group. Furthermore, The Client agrees to the fullest extent permitted by law to indemnify and hold harmless The Di Salvo Engineering Group, its officers, directors and employees from any and all claims, suits, liability, demands or costs, including attorney fees arising out of or resulting therefrom.

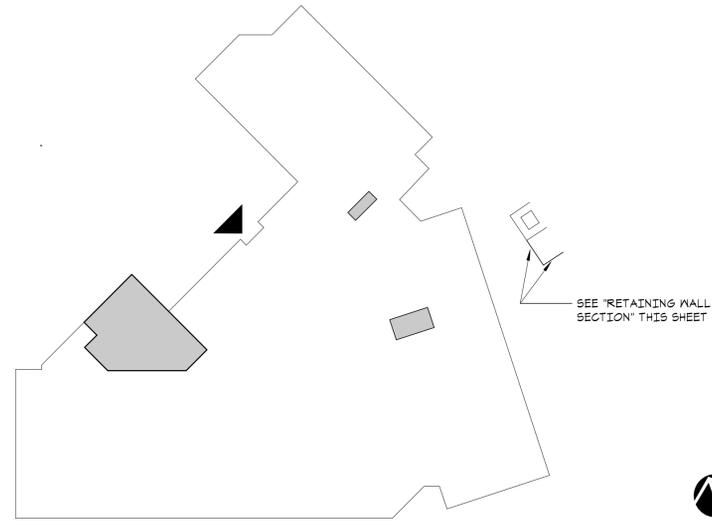
Professional Seal

No.	Date	Issue
2	11/06/2023	ISSUE FOR BID
1	05/17/2022	CONSTRUCTION DOCUMENTS

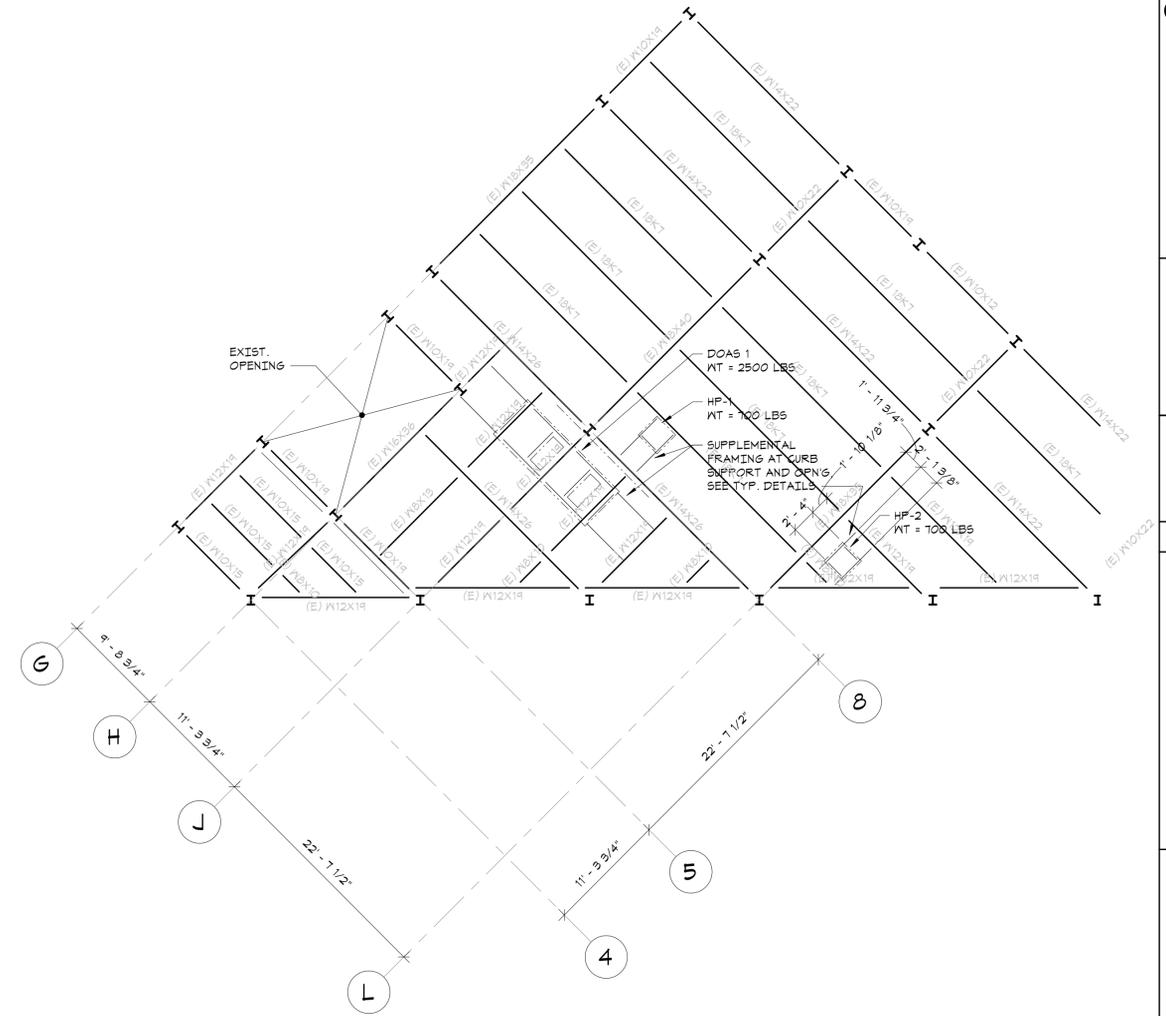
MIDDLE SCHOOL  
PART. ROOF  
FRAMING & SITE  
PLANS

Job No. 22130.00 Date 05/17/2022  
Scale AS NOTED Drawn / Checked GCF / BDR

Sheet Number  
**S101**

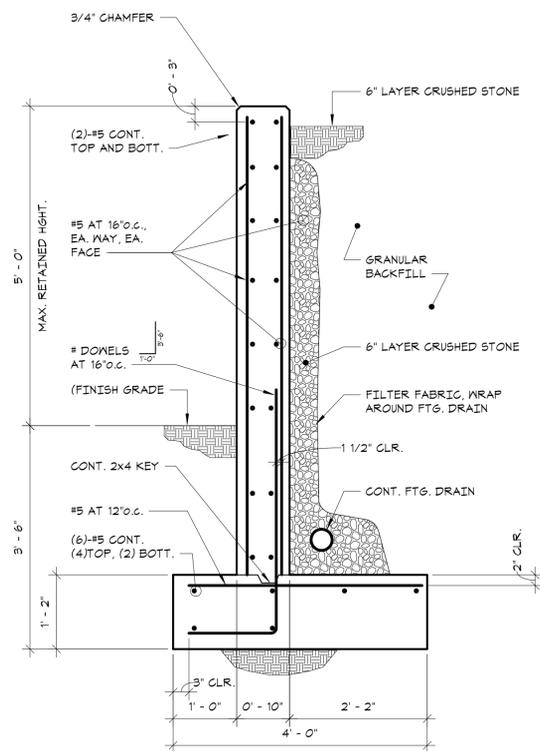


1 SITE RETAINING WALL KEY PLAN  
NO SCALE

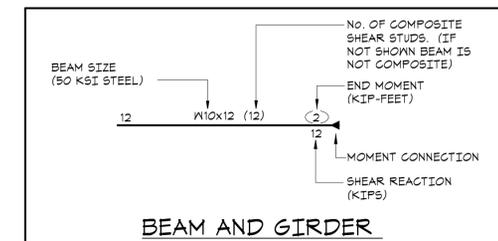


PARTIAL ROOF FRAMING PLAN  
1/8"=1'-0"

- EXISTING ROOF DECK CONSTRUCTION: ANTICIPATED TO BE METAL ROOF DECK, V.I.F.
- COORDINATE SIZE AND LOCATION OF ALL ROOF PENETRATIONS WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. ALL ROOF PENETRATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO FABRICATION AND INSTALLATION OF PENETRATION FRAMING ELEMENTS. PROVIDE FRAMING AS INDICATED IN "TYPICAL ROOF/FLOOR OPENING DETAIL". DO NOT SCALE OPENINGS.
- MAXIMUM WEIGHT OF MECHANICAL UNITS, (INCLUDING WEIGHT OF CURB) USED IN THE DESIGN OF SUPPORTING MEMBERS ARE INDICATED ON THE PLANS. SEE MECHANICAL DRAWINGS FOR LOCATION OF MECHANICAL UNITS. FOR FRAMING INFORMATION, SEE "TYPICAL ROOFTOP UNIT CURB DETAIL" AND GENERAL NOTES.
- SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.



2 RETAINING WALL SECTION  
NO SCALE



DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS

NYACK UNION FREE  
SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY: 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK: 50-03-04-03-0-007-023

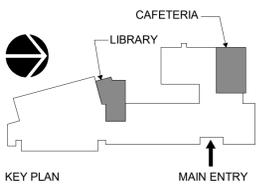
CONSTRUCTION DOCUMENTS



BARILLE GALLAGHER & ASSOCIATES  
CONSULTING ENGINEERS  
30 MARBLE AVE. PLASANTVILLE, NY 10579  
PHONE: 914.666.5900 Email: BGA@BGA.com



The Di Salvo Engineering Group  
Structural Engineers  
93 Lake Avenue, Suite 201  
Danbury, CT 06810  
[203]490-4140 | www.tdseg.com



**OWNERSHIP, USE AND ALTERATION OF DOCUMENTS:**  
The Client acknowledges that the documents, drawings, specifications including electronic media files are instruments of The Di Salvo Engineering Group's services and shall remain the property of The Di Salvo Engineering Group. The Client or any person or entity that acquires or obtains the drawings and specifications from or through The Client shall not use them on any other project, shall not modify, alter or change the drawings and specifications without written authorization from The Di Salvo Engineering Group. Furthermore, The Client agrees to the fullest extent permitted by law to indemnify and hold harmless The Di Salvo Engineering Group, its officers, directors and employees from any and all claims, suits, liability, demands or costs, including attorney fees arising out of or resulting therefrom.

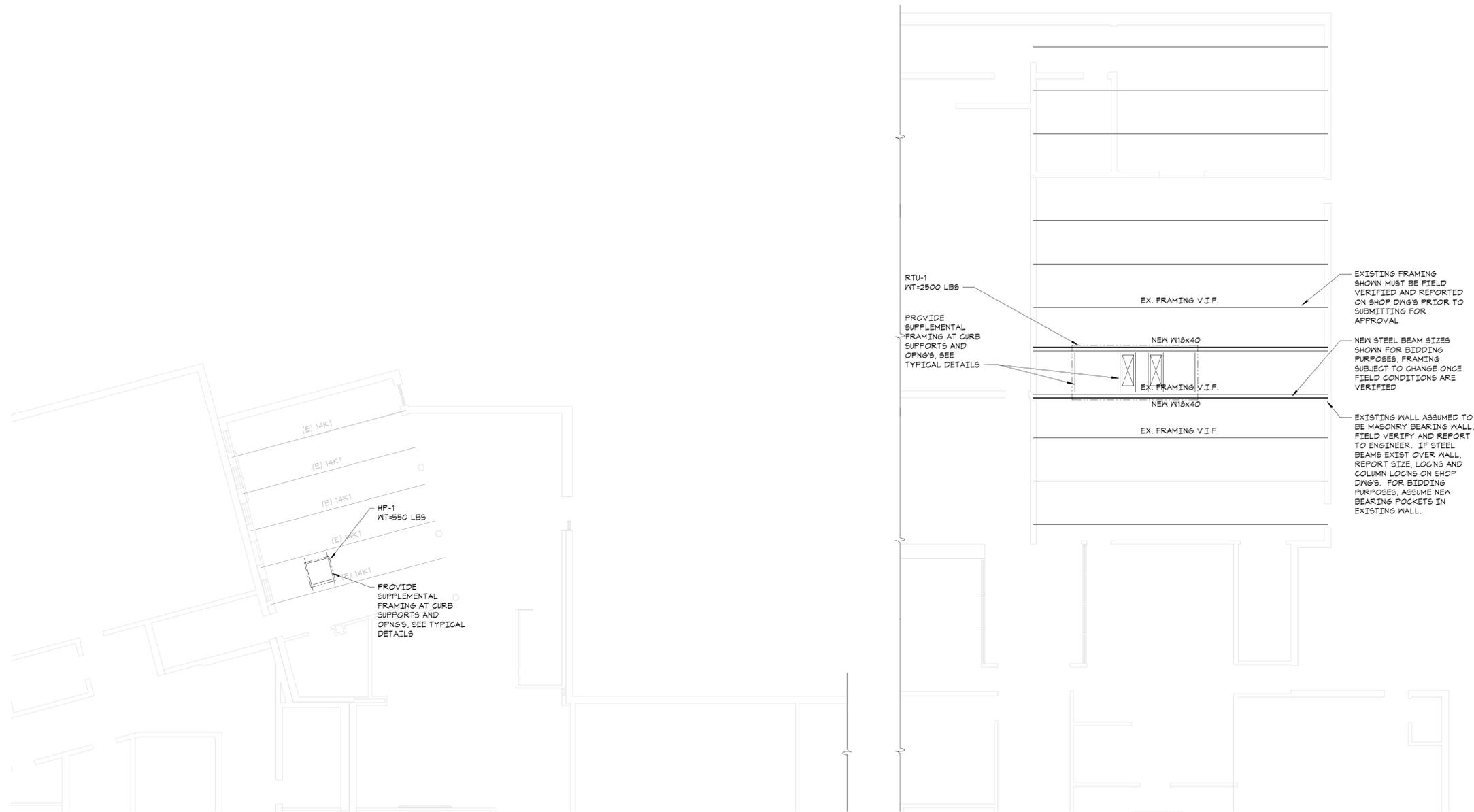
Professional Seal

No.	Date	Issue
2	11/06/2023	ISSUE FOR BID
1	05/17/2022	CONSTRUCTION DOCUMENTS

LIBERTY ES  
PARTIAL ROOF  
FRAMING PLAN

Job No.	22130.00	Date	05/17/2022
Scale	AS NOTED	Drawn / Checked	GCF/ BDR

Sheet Number  
**S102**



**PARTIAL ROOF FRAMING PLAN**

1/8"=1'-0"



- TOP OF STEEL ELEVATION (UNDERSIDE OF DECK): 43'-8" UNLESS OTHERWISE NOTED THUS [1/-X'-XX"] FROM ELEVATION 43'-8".
- EXISTING ROOF DECK CONSTRUCTION VARIES BETWEEN METAL ROOF DECK AND PANELS SUPPORTED ON BULD-TEES, VERIFY IN FIELD
- COORDINATE SIZE AND LOCATION OF ALL ROOF PENETRATIONS WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. ALL ROOF PENETRATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO FABRICATION AND INSTALLATION OF PENETRATION FRAMING ELEMENTS. PROVIDE FRAMING AS INDICATED IN "TYPICAL ROOF/FLOOR OPENING DETAIL". DO NOT SCALE OPENINGS.
- MAXIMUM WEIGHT OF MECHANICAL UNITS, (INCLUDING WEIGHT OF CURB) USED IN THE DESIGN OF SUPPORTING MEMBERS ARE INDICATED ON THE PLANS. SEE MECHANICAL DRAWINGS FOR LOCATION OF MECHANICAL UNITS. FOR FRAMING INFORMATION, SEE "TYPICAL ROOFTOP UNIT CURB DETAIL" AND GENERAL NOTES.
- SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.



DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS

NYACK UNION FREE  
SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



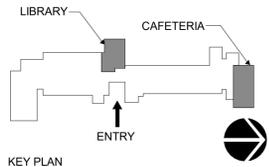
**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

CONSTRUCTION DOCUMENTS



**The Di Salvo Engineering Group**  
Structural Engineers  
93 Lake Avenue, Suite 201  
Danbury, CT 06810  
[203] 490-4140 | www.tdeg.com



**OWNERSHIP, USE AND ALTERATION OF DOCUMENTS.**  
The Client acknowledges that the documents, drawings, specifications including electronic media files are instruments of The Di Salvo Engineering Group's services and shall remain the property of The Di Salvo Engineering Group. The Client or any person or entity that acquires or obtains the drawings and specifications from or through the Client shall not use them on any other project, shall not modify, alter or change the drawings and specifications without written authorization from The Di Salvo Engineering Group. Furthermore, The Client agrees to the fullest extent permitted by law to indemnify and hold harmless The Di Salvo Engineering Group, its officers, directors and employees from any and all claims, suits, liability, demands or costs, including attorney fees arising out of or resulting therefrom.

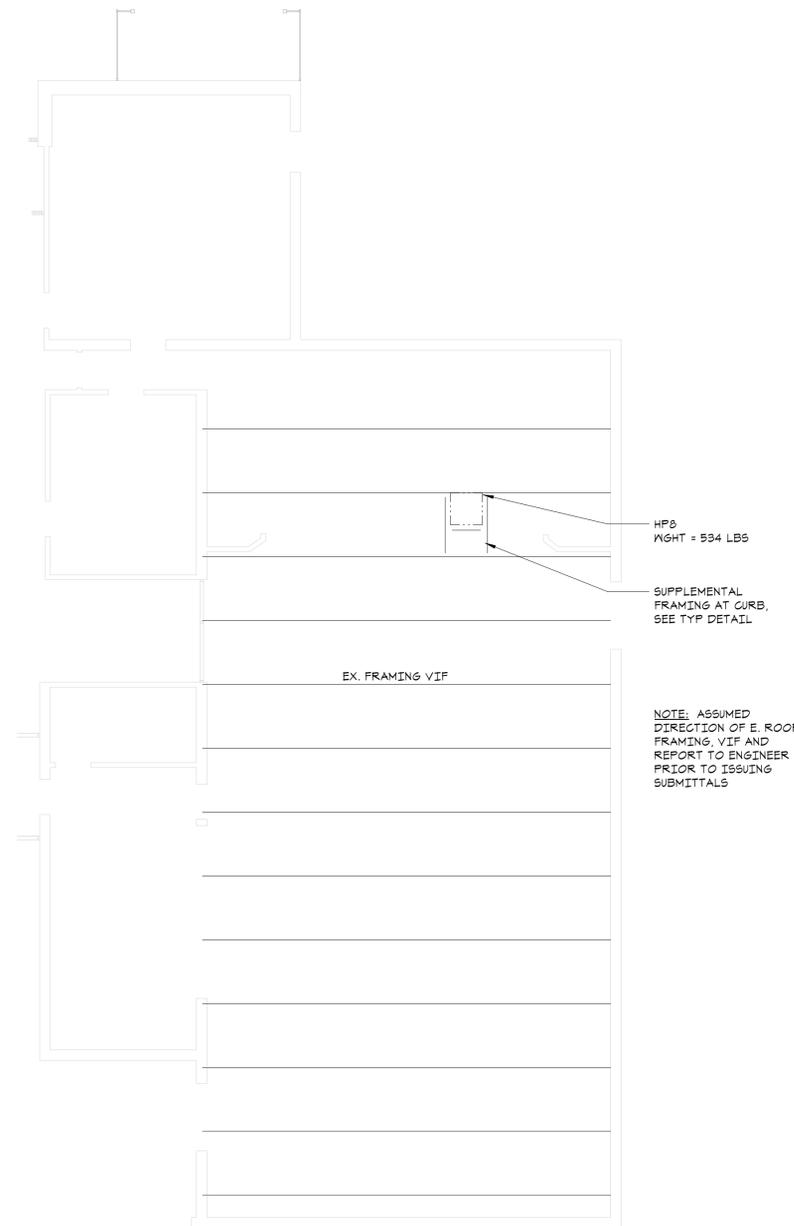
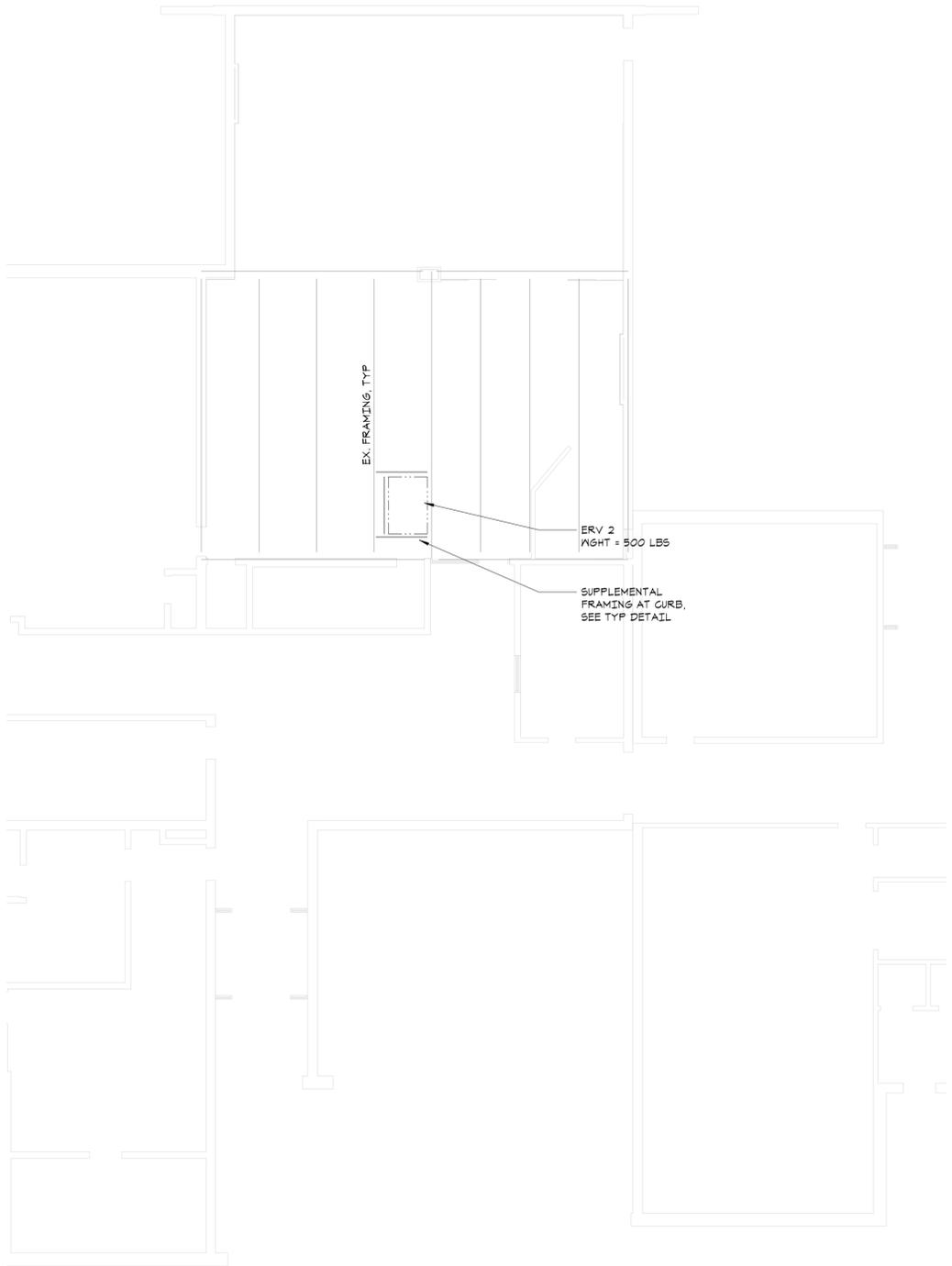
Professional Seal

No.	Date	Issue
2	11/06/2023	ISSUE FOR BID
1	05/17/2022	CONSTRUCTION DOCUMENTS

UPPER NYACK ES  
PARTIAL ROOF  
FRAMING PLAN

Job No.	22130.00	Date	05/17/2022
Scale	AS NOTED	Drawn / Checked	GCF/ BDR

Sheet Number  
**S104**



NOTE: ASSUMED  
DIRECTION OF E. ROOF  
FRAMING, VIF AND  
REPORT TO ENGINEER  
PRIOR TO ISSUING  
SUBMITTALS

**PARTIAL ROOF FRAMING PLAN** NORTH:

1/8"=1'-0"

- EXISTING ROOF DECK CONSTRUCTION UNKNOWN, VERIFY IN FIELD AND REPORT TO ENGINEER.
- COORDINATE SIZE AND LOCATION OF ALL ROOF PENETRATIONS WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. ALL ROOF PENETRATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO FABRICATION AND INSTALLATION OF PENETRATION FRAMING ELEMENTS. PROVIDE FRAMING AS INDICATED IN "TYPICAL ROOF/FLOOR OPENING DETAIL". DO NOT SCALE OPENINGS.
- MAXIMUM WEIGHT OF MECHANICAL UNITS, (INCLUDING WEIGHT OF CURB) USED IN THE DESIGN OF SUPPORTING MEMBERS ARE INDICATED ON THE PLANS. SEE MECHANICAL DRAWINGS FOR LOCATION OF MECHANICAL UNITS. FOR FRAMING INFORMATION, SEE "TYPICAL ROOFTOP UNIT CURB DETAIL" AND GENERAL NOTES.
- SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.

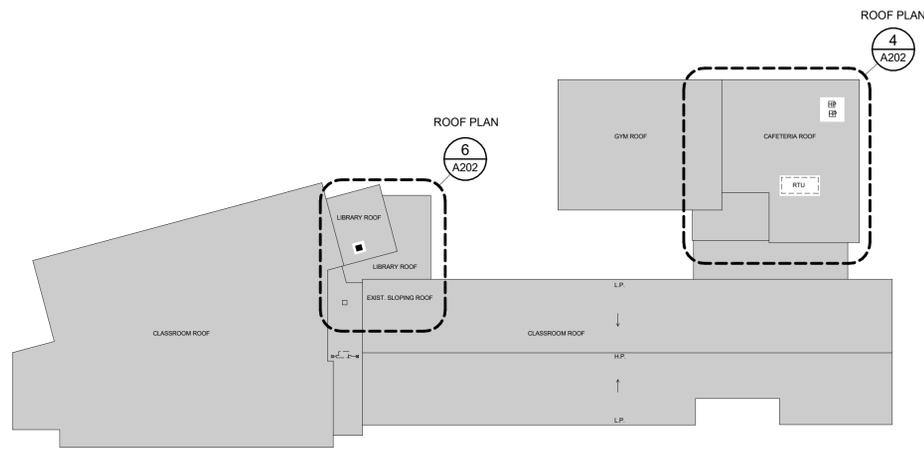


**GENERAL NOTES**

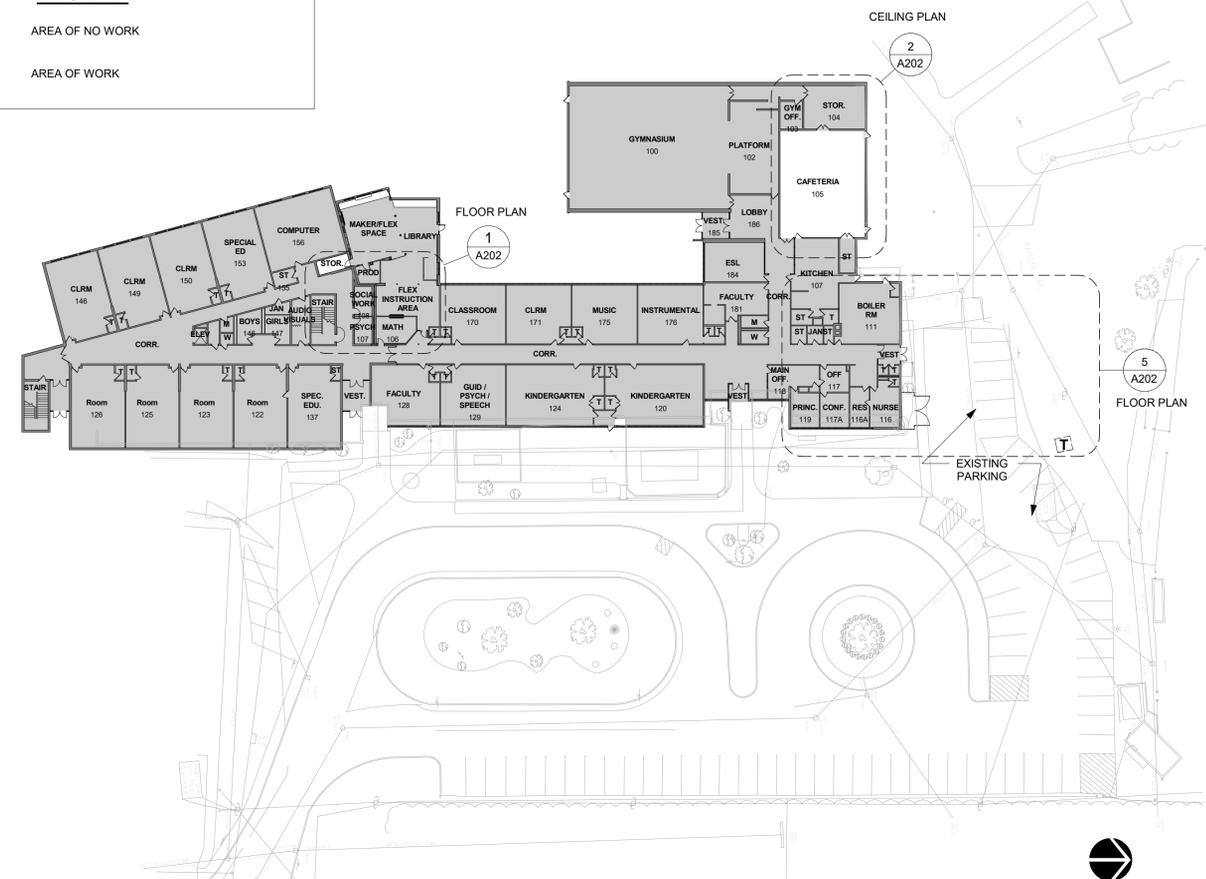
1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS
2. SEE ENLARGED AREA OF WORK PLANS AS INDICATED

**LEGEND**

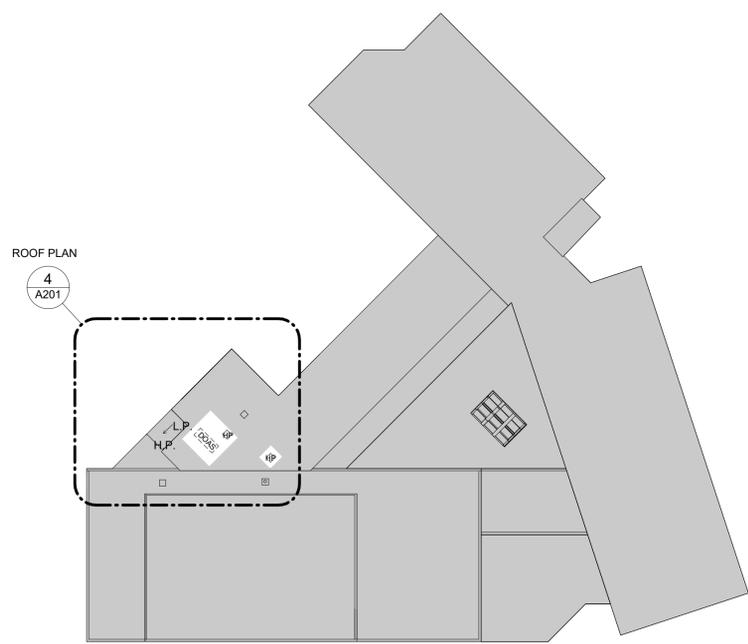
-  AREA OF NO WORK
-  AREA OF WORK



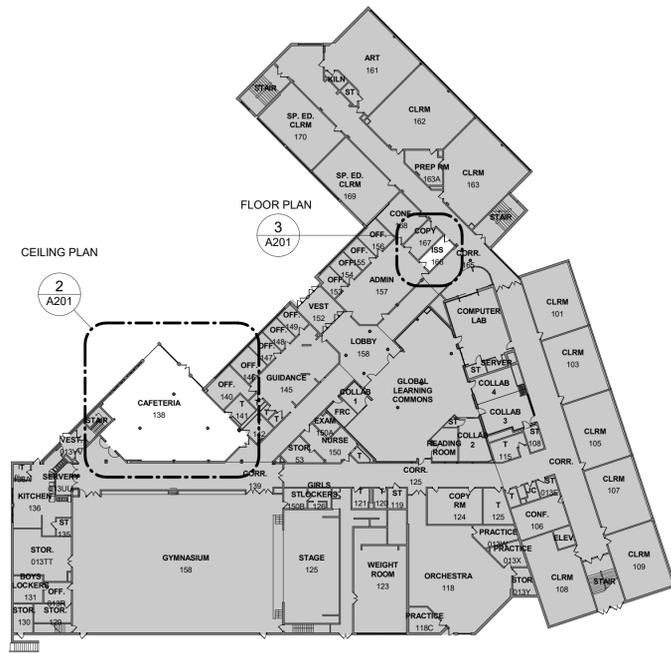
**LR** LIBERTY - OVERALL ROOF PLAN  
1" = 40'-0"



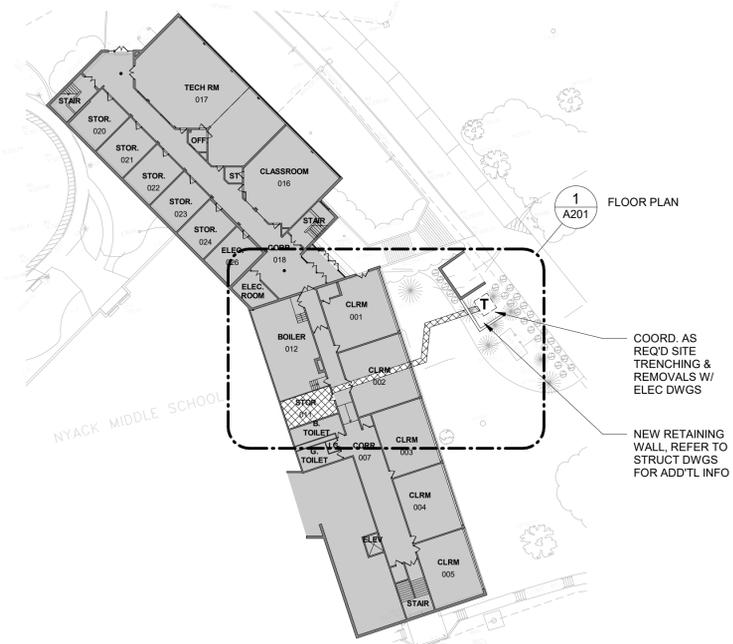
**L1** LIBERTY - OVERALL 1ST FLOOR PLAN  
1" = 40'-0"



**MR** OVERALL MS ROOF PLAN  
1" = 40'-0"



**M1** MS 1ST FLOOR PLAN  
1" = 40'-0"



**ML** MS LOWER LEVEL PLAN  
1" = 40'-0"

**DISTRICT WIDE AIR  
CONDITIONING:  
CAFETERIAS & GLOBAL  
LEARNING COMMONS**

NYACK UNION FREE  
SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

**CONSTRUCTION DOCUMENTS**



**BARILE GALLAGHER & ASSOCIATES**  
CONSULTING ENGINEERS  
39 BARILE AVENUE, PLAZA 200, NYACK, NY 10979  
PHONE: 914.338.6600 FAX: 914.338.3004 Genset@BGA.com

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEMER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF (KGAD).

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 89.5 (b) OF NEW YORK STATE LAW. COPYRIGHT KAEMER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

No.	Date	Issue
2	11/06/2023	ISSUE FOR BID
1	05/17/2022	CONSTRUCTION DOCUMENTS

No.	Date	Issue
2	11/06/2023	ISSUE FOR BID
1	05/17/2022	CONSTRUCTION DOCUMENTS

Sheet Title

**OVERALL PLANS**

COORD. AS REQD SITE TRENCHING & REMOVALS W/ ELEC DWGS  
NEW RETAINING WALL. REFER TO STRUCT DWGS FOR ADDTL INFO

Job No.	Date
2021-1055	01/27/2022

Scale	Drawn / Checked
AS NOTED	MA SD

Sheet Number

**A200a**

**GENERAL NOTES**

1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS
2. SEE ENLARGED AREA OF WORK PLANS AS INDICATED

**LEGEND**



**DISTRICT WIDE AIR CONDITIONING: CAFETERIAS & GLOBAL LEARNING COMMONS**

NYACK UNION FREE SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

**CONSTRUCTION DOCUMENTS**



**BARILE GALLAGHER & ASSOCIATES**  
CONSULTING ENGINEERS  
39 MARBLE AVENUE, PLAZA SOUTHVILLE, NY 10970  
PHONE: 914.326.6900 FAX: 914.326.3004 [www.BGCA.com](http://www.BGCA.com)

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAETZER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF (KGD).  
WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.  
ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 89.5 (b) OF NEW YORK STATE LAW.  
COPYRIGHT KAETZER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

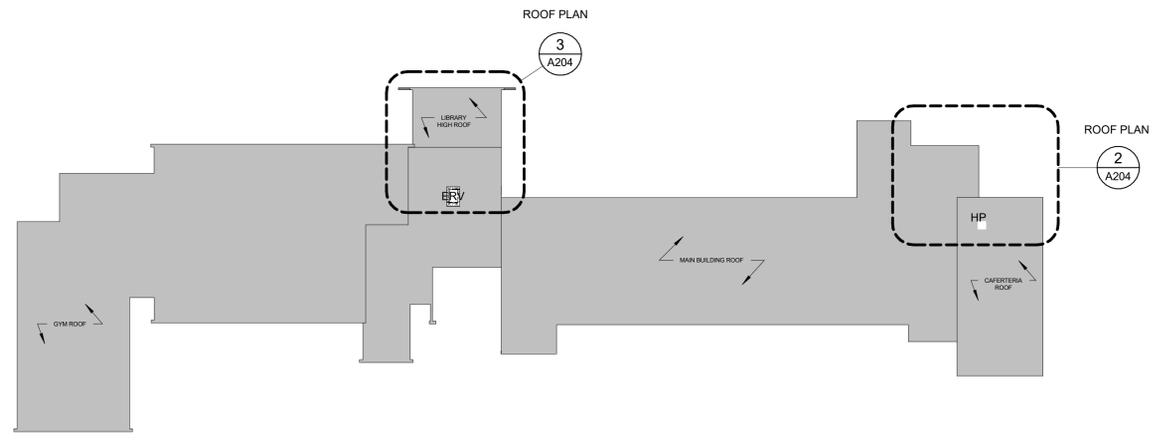
Professional Seal

2	11/06/2023	ISSUE FOR BID
1	05/17/2022	CONSTRUCTION DOCUMENTS
No.	Date	Issue

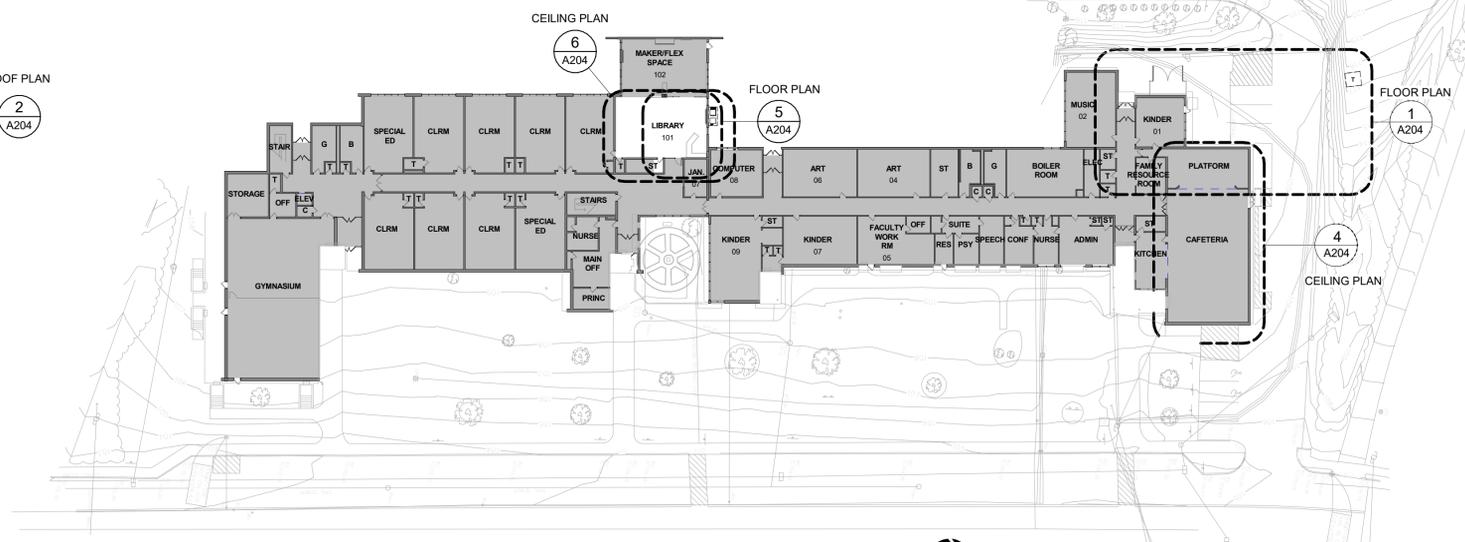
Sheet Title

**OVERALL PLANS**

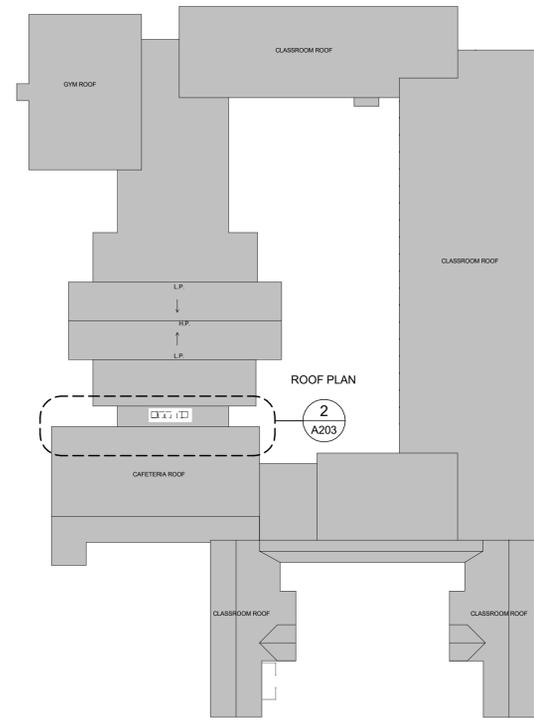
Job No.	2021-1055	Date	01/27/2022
Scale	AS NOTED	Drawn / Checked	MA SD
Sheet Number	A200b		



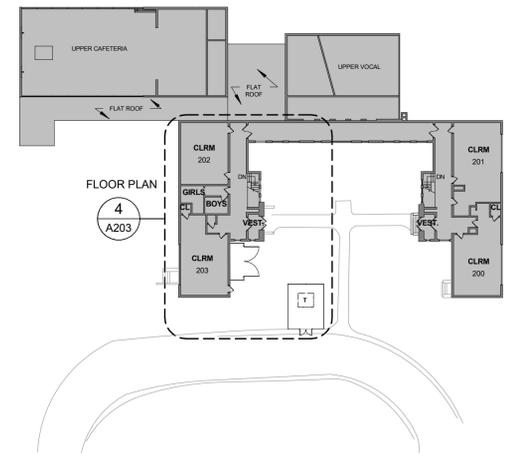
**UR** UPPER NYACK - OVERALL ROOF PLAN  
1" = 40'-0"



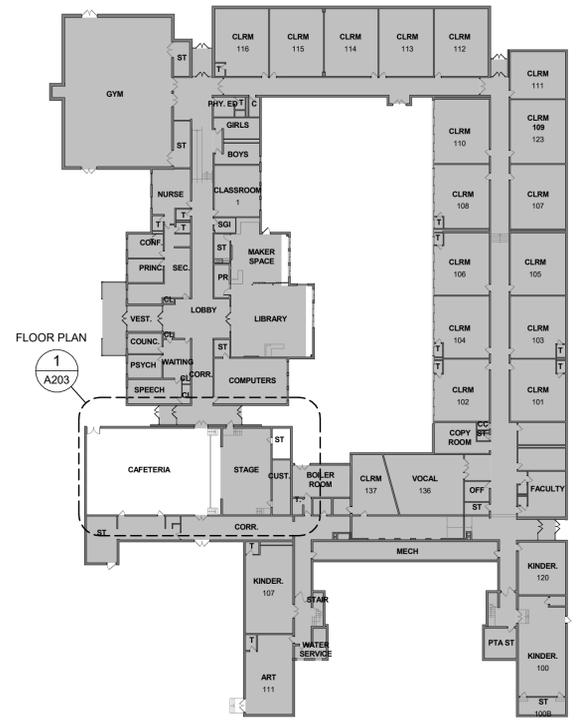
**U1** UPPER NYACK - OVERALL 1ST FLOOR PLAN  
1" = 40'-0"



**VR** VALLEY COTTAGE - OVERALL ROOF PLAN  
1" = 40'-0"



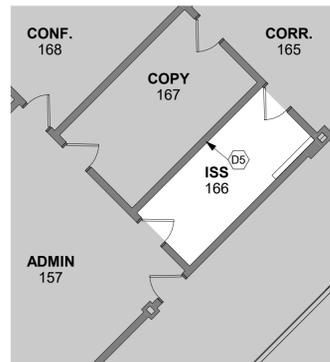
**V2** VALLEY COTTAGE - OVERALL 2ND FLOOR  
1" = 40'-0"



**V1** VALLEY COTTAGE - OVERALL 1ST FLOOR  
1" = 40'-0"



4 ROOF PLAN - MS CAFETERIA  
1/16" = 1'-0"



3 PARTIAL PLAN - MS 1ST FLOOR  
1/8" = 1'-0"

**CEILING LEGEND:**

	2'X2' ACT CEILING SYSTEM
	EXISTING 2'X4'
	CEILING DIFFUSER
	CEILING REGISTER



2 CEILING PLAN - MS CAFETERIA  
1/8" = 1'-0"



1 PARTIAL PLAN - MS LOWER LEVEL  
1/8" = 1'-0"

**CONSTRUCTION & DEMOLITION...**

- C1 SAW CUT EXISTING FLOOR SYSTEM TO ACCOMODATE NEW CONSTRUCTION. REFER TO ELEC DWGS FOR ADDTL INFO. GC TO COORD. W/ DISTRICT TO INSTALL ATTIC STOCK FLOORING TO EXTENT NECESSARY TO MAKE LIKE NEW CONDITION. SHOULD ATTIC STOCK NOT BE AVAILABLE, GC SHOULD MATCH ADJACENT FINISHES.
- C6 ROOFTOP MECHANICAL EQUIPMENT. COORDINATE UNIT & ASSOCIATED ROOF WORK W/ MECHANICAL DWGS. SEE A205 & SPEC FOR ADDTL ROOF DETAILS.
- C7 REMOVE EXISTING ACT CEILING & GRID & REPLACE IN KIND W/ NEW. SAVE & PROTECT EXISTING LIGHTING & REINSTALL IN NEW CONSTRUCTION.
- C10 PROVIDE NEW CONCRETE PAD, TYP.
- D4 REMOVE EXISTING WALL IN ITS ENTIRETY. PATCH & REPAIR ALL SCARS TO EXISTING ADJACENT MATERIALS & RESTORE TO PRIOR CONDITION.
- D5 COORDINATE REMOVAL OF FURNITURE AND/OR EQUIP W/ DISTRICT IN PREPARATION FOR NEW ELEC PANELBOARD, LOOSE FURNITURE AND/OR EQUIPMENT TO BE REMOVED BY OWNER.

**GENERAL NOTES**

1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS
2. WHERE WALLS AND OR CEILINGS ARE OPENED TO ACCESS PIPE CHASES, PATCH AND MATCH OPENINGS TO MATCH ADJACENT EXISTING CONSTRUCTION; REMOVE AND REINSTALL ALL ADJACENT BUILT-IN AND MOVABLE FURNITURE AS REQUIRED FOR COMPLETE ACCESS TO PIPE CHASE.
3. GC SHALL INSTALL LOUVERS PROVIDED BY HVAC CONTRACTOR.
4. PROVIDE TEMPORARY LIGHTING IN AREAS WHERE REQUIRED DURING CEILING REPLACEMENT WORK.
5. IN ALL AREAS OF WORK WHERE ADJACENT SURFACES ARE DAMAGED OR DISTURBED, PATCH ADJACENT SURFACES TO MATCH EXISTING.
6. AT ALL PATCHED WALLS AND SOFFITS, PAINT ENTIRE FACE OF WALLS/OFFIT, FULL WIDTH & HEIGHT OF ROOM. COLOR SHALL MATCH EXISTING.
7. WHERE CUTTING OR CORE DRILLING SHALL OCCUR TO CREATE OPENINGS IN EXTERIOR WALLS AND ROOFTOPS, ALL LOCATIONS MUST BE PROTECTED WITH TEMPORARY WATERTIGHT/WATERPROOFING CONSTRUCTION UNTIL INSTALLATION OF FINAL WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ALL DAMAGE TO BUILDINGS AND PROPERTY CAUSED BY UNPROTECTED OR INSUFFICIENTLY PROTECTED WORK.

**FLOOR PLAN LEGEND**

- 1 DENOTES AREA OF NO MAJOR ARCHITECTURAL RENOVATION WORK. SPECIFIC WORK MAY BE SHOWN ELSEWHERE INCLUDING WORK THAT MAY REQUIRE ACCESS, PATCHING, & RESTORATION, REFER TO M.E.P. DWGS.
- 2 DENOTES EXISTING WALL TO REMAIN (MOST EXISTING WALLS ARE MASONRY)
- 3 DENOTES EXISTING CONSTRUCTION TO BE DEMOLISHED (U.N.O.)
- 4 DENOTES EXISTING DOOR TO REMAIN (U.N.O.)
- 5 TRANSFORMER, REFER TO ELEC DWGS FOR ADDITIONAL INFO
- 6 LOUVER ELEVATION
- 7 CONSTRUCTION / DEMOLITION KEY NOTE

**ROOF LEGEND**

- 1 DOAS DEDICATED OUTDOOR AIR SYSTEM
- 2 HP HEAT PUMP
- 3 H.P. ← INSULATION HIGH POINT

**DISTRICT WIDE AIR CONDITIONING: CAFETERIAS & GLOBAL LEARNING COMMONS**

NYACK UNION FREE SCHOOL DISTRICT

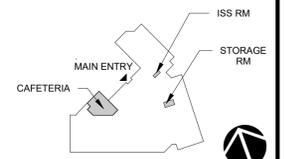
13 A Dickinson Avenue  
Nyack, NY 10960



**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

**CONSTRUCTION DOCUMENTS**



NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEBER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF (KGD).

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 89.5 (b) OF NEW YORK STATE LAW.  
COPYRIGHT KAEBER, GARMENT - DAVIDSON ARCHITECTS & ENGINEERS, PC ALL RIGHTS RESERVED.

Professional Seal

No.	Date	Issue
2	11/06/2023	ISSUE FOR BID
1	05/17/2022	CONSTRUCTION DOCUMENTS

**MIDDLE SCHOOL PART. PLAN, ROOF PLAN, & CEILING PLAN**

Job No.	2021-1055	Date	01/27/2022
Scale	AS NOTED	Drawn / Checked	MA SD
Sheet Number	A201		

**DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS**

NYACK UNION FREE  
SCHOOL DISTRICT

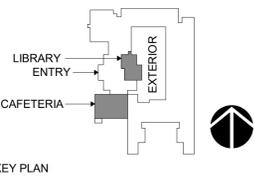
13 A Dickinson Avenue  
Nyack, NY 10960



**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

**CONSTRUCTION DOCUMENTS**



**Professional Seal**

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAETZ, GARMENT, & DAVIDSON ARCHITECTS, PC (KGD&D), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGD&D.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 89.5 (b) OF NEW YORK STATE LAW.  
COPYRIGHT KAETZ, GARMENT - DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

No.	Date	Issue
2	11/06/2023	ISSUE FOR BID
1	05/17/2022	CONSTRUCTION DOCUMENTS

**VALLEY COTTAGE  
ES PART. PLAN,  
ROOF PLAN, &  
CEILING PLAN**

Job No. 2021-1055 Date 01/27/2022  
Scale AS NOTED Drawn / Checked MA SD

Sheet Number  
**A203**

**GENERAL NOTES**

1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS
2. WHERE WALLS AND OR CEILINGS ARE OPENED TO ACCESS PIPE CHASES, PATCH AND MATCH OPENINGS TO MATCH ADJACENT EXISTING CONSTRUCTION; REMOVE AND REINSTALL ALL ADJACENT BUILT-IN AND MOVABLE FURNITURE AS REQUIRED FOR COMPLETE ACCESS TO PIPE CHASE.
3. GC SHALL INSTALL LOUVERS PROVIDED BY HVAC CONTRACTOR.
4. PROVIDE TEMPORARY LIGHTING IN AREAS WHERE REQUIRED DURING CEILING REPLACEMENT WORK.
5. IN ALL AREAS OF WORK WHERE ADJACENT SURFACES ARE DAMAGED OR DISTURBED, PATCH ADJACENT SURFACES TO MATCH EXISTING.
6. AT ALL PATCHED WALLS AND SOFFITS, PAINT ENTIRE FACE OF WALL/SOFFIT, FULL WIDTH & HEIGHT OF ROOM. COLOR SHALL MATCH EXISTING.
7. WHERE CUTTING OR CORE DRILLING SHALL OCCUR TO CREATE OPENINGS IN EXTERIOR WALLS AND ROOFTOPS, ALL LOCATIONS MUST BE PROTECTED WITH TEMPORARY WATER/TIGHT/WATERPROOFING CONSTRUCTION UNTIL INSTALLATION OF FINAL WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ALL DAMAGE TO BUILDINGS AND PROPERTY CAUSED BY UNPROTECTED OR INSUFFICIENTLY PROTECTED WORK.

**FLOOR PLAN LEGEND**

1. DENOTES AREA OF NO MAJOR ARCHITECTURAL RENOVATION WORK. SPECIFIC WORK MAY BE SHOWN ELSEWHERE INCLUDING WORK THAT MAY REQUIRE ACCESS, PATCHING, & RESTORATION, REFER TO M.E.P. DWGS.
2. DENOTES EXISTING WALL TO REMAIN (MOST EXISTING WALLS ARE MASONRY)
3. DENOTES EXISTING CONSTRUCTION TO BE DEMOLISHED (U.N.O.).
4. DENOTES EXISTING DOOR TO REMAIN (U.N.O.)
5. TRANSFORMER, REFER TO ELEC DWGS FOR ADDITIONAL INFO
6. LOUVER ELEVATION
7. CONSTRUCTION / DEMOLITION KEY NOTE

**ROOF LEGEND**

1. HP HEAT PUMP

**CONSTRUCTION & DEMOLITION NOTES**

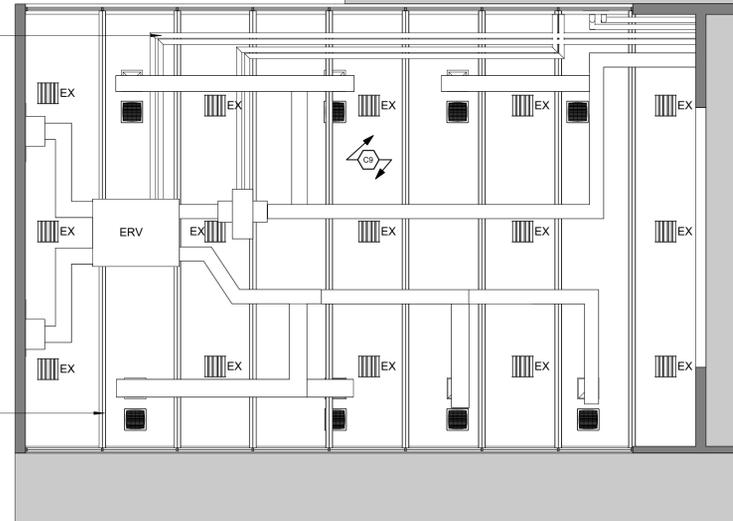
- C2 INFILL EXTERIOR WALL AT REMOVED LOUVER. MATCH EXISTING CAVITY WALL CONSTRUCTION. PAINT ENTIRE INTERIOR WALL OF ROOM, COLOR TO MATCH EXISTING SAW CUT & TOOTH IN.
- C4 NEW EXTERIOR MOUNTED MAIN SWITCHBOARD. SEE ELEC DWGS FOR ADDTL INFO.
- C5 PROVIDE NEW 9'-0" HT CHAINLINK FENCE W/ 14'-0" WIDE GATE W/ PRIVACY SLATS & GALVANIZED CHAINLINK, SUPPORTS & POSTS. SEE DETAIL 2/A205 FOR ADDTL INFO.
- C6 ROOFTOP MECHANICAL EQUIPMENT. COORDINATE UNIT & ASSOCIATED ROOF WORK W/ MECHANICAL DWGS. SEE A205 & SPEC FOR ADDTL ROOF DETAILS.
- C8 REMOVE & TRANSPLANT EXISTING TREE. COORDINATE NEW LOCATION W/ DISTRICT.
- C9 PAINT NEW DUCTS, NEW & EXIST PIPING, STRUCTURE & DECK ABOVE WHITE. REMOVE, SAVE & PROTECT EXISTING LIGHTING & REINSTALL IN NEW CONSTRUCTION.
- C10 PROVIDE NEW CONCRETE PAD, TYP.
- C11 INSTALL LOUVER, BOTTOM OF LOUVER MOUNTED AT +/- 14'-8" AFF. SEE DETAIL 7/A205.
- C14 PROVIDE 6" DIA 4'-6" HT CONC FILLED PIPE BOLLARDS. SEE DETAIL 6/A205. COORD LAYOUT & QUANTITY W/ ELEC DWGS.
- C15 PROVIDE NEW 6'-0" HT CHAINLINK FENCE W/ 6'-0" WIDE GATE W/ PRIVACY SLATS & GALVANIZED CHAINLINK, SUPPORTS & POSTS. SEE DETAIL 2/A205 FOR ADDTL INFO.
- D1 CUT OPENINGS THROUGH EXIST MASONRY & CMU BACK-UP WALL FOR NEW LOUVER.
- D2 REMOVE EXISTING LOUVER FROM EXTERIOR WALL.
- D5 COORDINATE REMOVAL OF FURNITURE AND/OR EQUIP W/ DISTRICT IN PREPARATION FOR NEW ELEC PANELBOARD. LOOSE FURNITURE AND/OR EQUIPMENT TO BE REMOVED BY OWNER.

**CEILING LEGEND:**

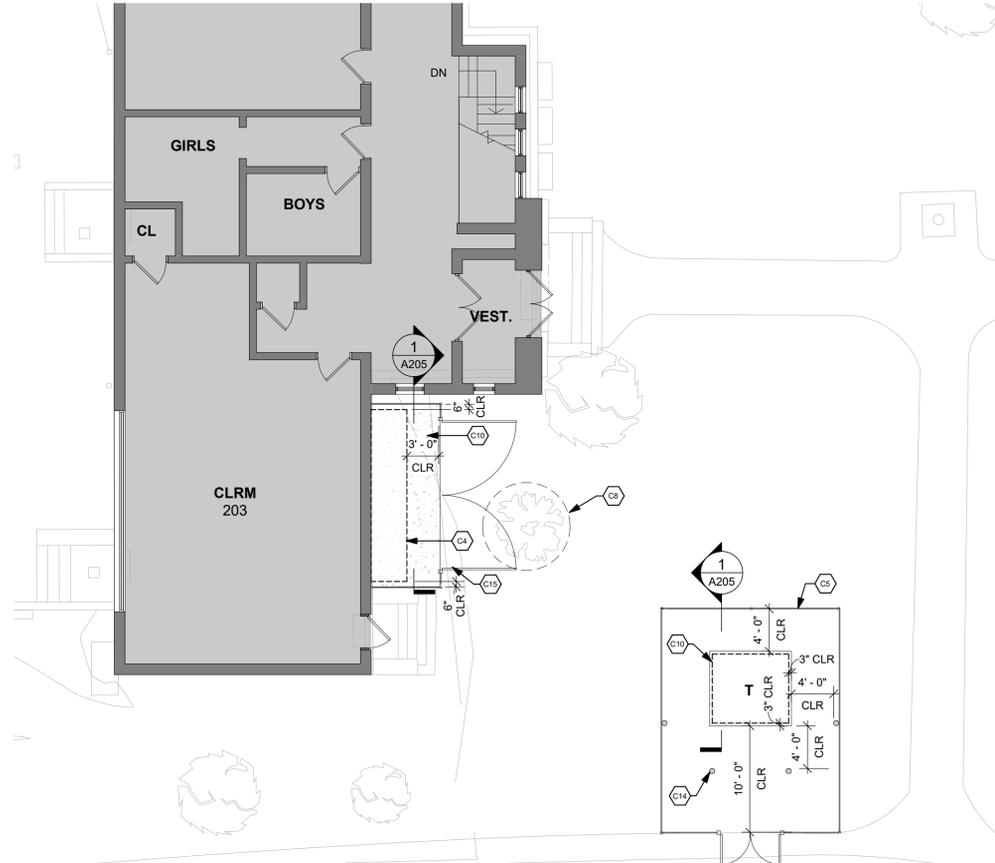
- EX EXISTING HIGHBAYS
- CEILING DIFFUSER
- CEILING REGISTER
- FAN COIL. REFER TO MECH DWGS FOR ADDTL INFO

SEE MECH PLANS FOR EXTENT OF EXIST & NEW PIPING

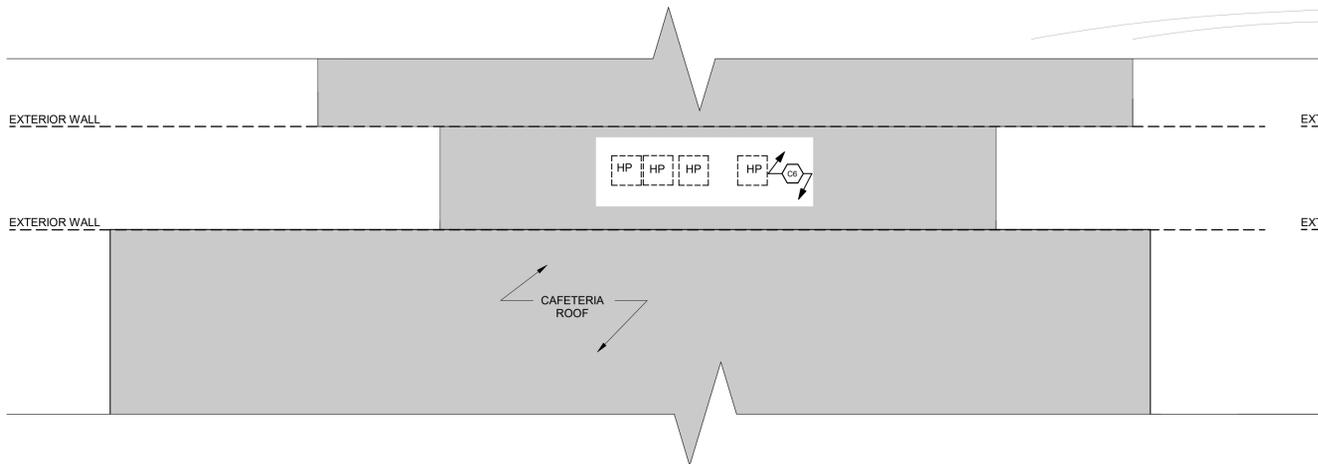
EXIST STRUCTURE TO BE PTD, TYP



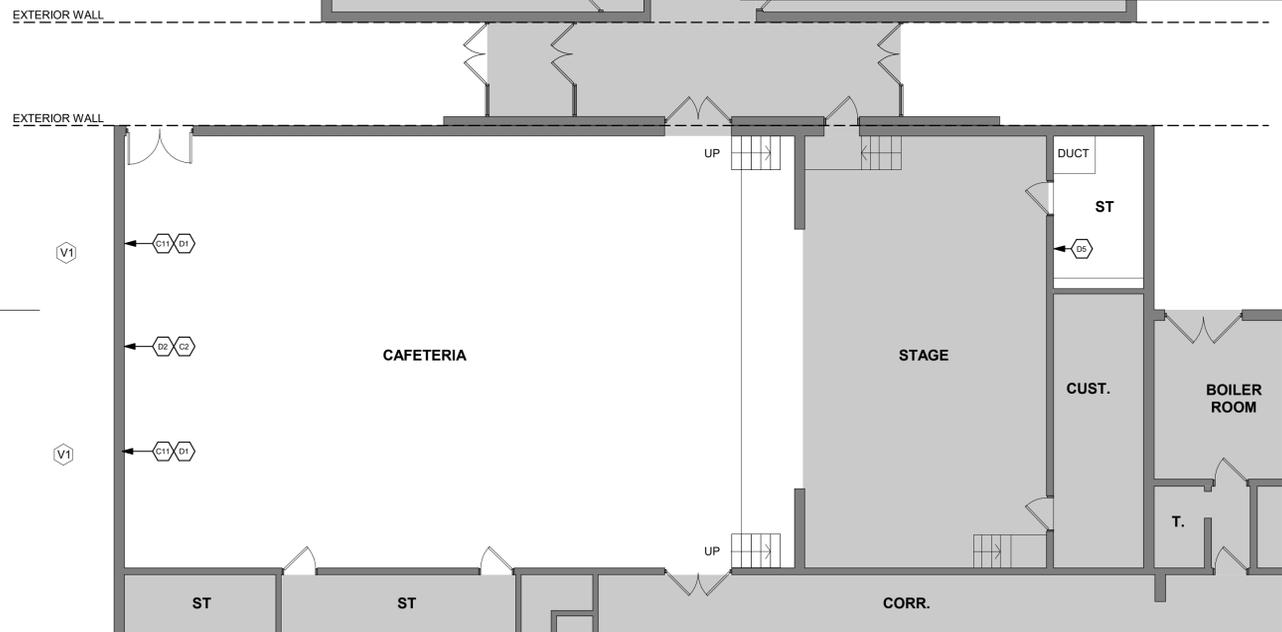
**3 CEILING PLAN - VALLEY COTTAGE CAFETERIA**  
1/8" = 1'-0"



**4 PARTIAL 2ND FLOOR PLAN - VALLEY COTTAGE**  
1/8" = 1'-0"



**2 ROOF PLAN - VALLEY COTTAGE CAFETERIA**  
1/8" = 1'-0"



**1 PARTIAL PLAN - VALLEY COTTAGE CAFETERIA**  
1/8" = 1'-0"

**DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS**

**NYACK UNION FREE  
SCHOOL DISTRICT**

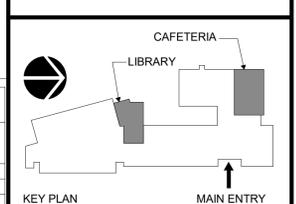
13 A Dickinson Avenue  
Nyack, NY 10960

**KG+D** listen  
imagine  
build  
**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P: 914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY: 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK: 50-03-04-03-0-007-023

**CONSTRUCTION DOCUMENTS**

**lgo**  
**BARILE GALLAGHER & ASSOCIATES**  
CONSULTING ENGINEERS  
30 MARBLE AVENUE, PLAZA SOUTH HALL, NY 10970  
PHONE: 914.323.0000 FAX: 914.323.0004



**Professional Seal**

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KG+D ARCHITECTS, PC AND WILL BE USED FOR THE PROJECT AND NOT BE REPRODUCED OR COPIED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF KG+D ARCHITECTS, PC.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECTION 805 (b) OF NEW YORK STATE LAW.  
COPYRIGHT 2022 KG+D ARCHITECTS, PC. ALL RIGHTS RESERVED.

No.	Date	Issue
2	11/06/2023	ISSUE FOR BID
1	05/17/2022	CONSTRUCTION DOCUMENTS

**LIBERTY ES  
PART. PLANS,  
ROOF PLANS, &  
CEILING PLAN**

Job No. 2021-1055 Date 01/27/2022  
Scale AS NOTED Drawn / Checked MA SD

Sheet Number **A202**

**GENERAL NOTES**

1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS
2. WHERE WALLS AND/OR CEILINGS ARE OPENED TO ACCESS PIPE CHASES, PATCH AND MATCH OPENINGS TO MATCH ADJACENT EXISTING CONSTRUCTION. REMOVE AND REINSTALL ALL ADJACENT BUILT-IN AND MOVABLE FURNITURE AS REQUIRED FOR COMPLETE ACCESS TO PIPE CHASE.
3. GC SHALL INSTALL LOUVERS PROVIDED BY HVAC CONTRACTOR.
4. PROVIDE TEMPORARY LIGHTING IN AREAS WHERE REQUIRED DURING CEILING REPLACEMENT WORK.
5. IN ALL AREAS OF WORK WHERE ADJACENT SURFACES ARE DAMAGED OR DISTURBED, PATCH ADJACENT SURFACES TO MATCH EXISTING.
6. AT ALL PATCHED WALLS AND SOFFITS, PAINT ENTIRE FACE OF WALL/SOFFIT, FULL WIDTH & HEIGHT OF ROOM. COLOR SHALL MATCH EXISTING.
7. WHERE CUTTING OR CORE DRILLING SHALL OCCUR TO CREATE OPENINGS IN EXTERIOR WALLS AND ROOFTOPS, ALL LOCATIONS MUST BE PROTECTED WITH TEMPORARY WATERTIGHT/WATERPROOFING CONSTRUCTION UNTIL INSTALLATION OF FINAL WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ALL DAMAGE TO BUILDINGS AND PROPERTY CAUSED BY UNPROTECTED OR INSUFFICIENTLY PROTECTED WORK.

**FLOOR PLAN LEGEND**

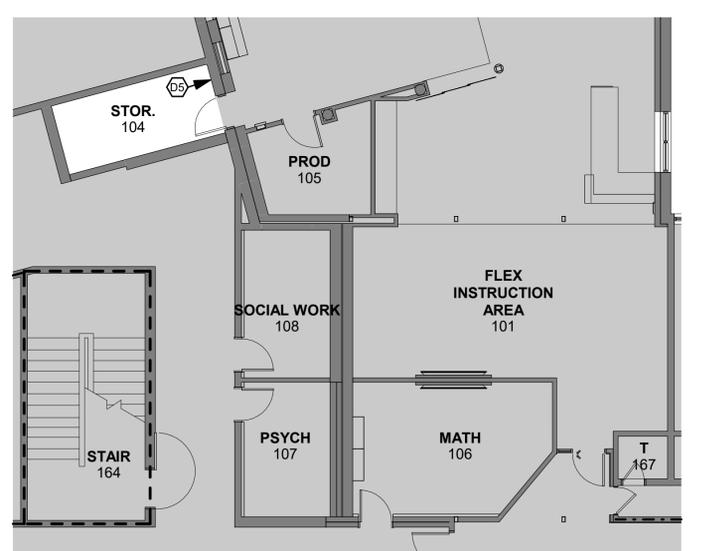
- 1 DENOTES AREA OF NO MAJOR ARCHITECTURAL RENOVATION WORK. SPECIFIC WORK MAY BE SHOWN ELSEWHERE INCLUDING WORK THAT MAY REQUIRE ACCESS, PATCHING, & RESTORATION, REFER TO M.E.P. DWGS.
- 2 DENOTES EXISTING WALL TO REMAIN (MOST EXISTING WALLS ARE MASONRY)
- 3 DENOTES EXISTING CONSTRUCTION TO BE DEMOLISHED (U.N.O.).
- 4 DENOTES EXISTING DOOR TO REMAIN (U.N.O.)
- 5 T TRANSFORMER, REFER TO ELEC DWGS FOR ADDITIONAL INFO
- 6 (X) LOUVER ELEVATION
- 7 (X) CONSTRUCTION / DEMOLITION KEY NOTE

**ROOF LEGEND**

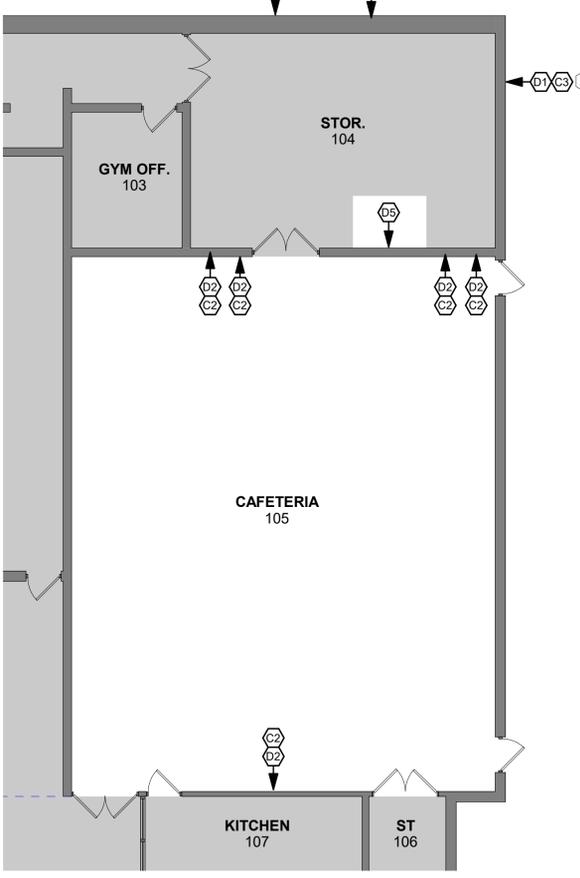
- 1 RTU ROOF TOP UNIT
- 2 HP HEAT PUMP

**CONSTRUCTION & DEMOLITION NOTES**

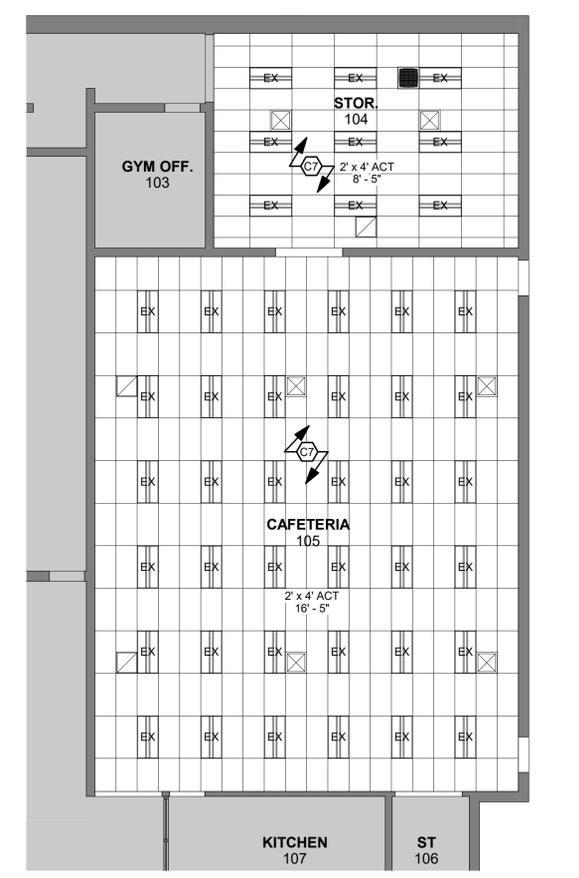
- C2 INFILL EXTERIOR WALL AT REMOVED LOUVER. MATCH EXISTING CAVITY WALL CONSTRUCTION. PAINT ENTIRE INTERIOR WALL OF ROOM, COLOR TO MATCH EXISTING SAW CUT & TOOTH IN.
- C3 INSTALL LOUVER, BOTTOM OF LOUVER MOUNTED AT +/- 8'-9" AFF. SEE DETAIL 7/A205.
- C4 NEW EXTERIOR MOUNTED MAIN SWITCHBOARD. SEE ELEC DWGS FOR ADDTL INFO.
- C6 ROOFTOP MECHANICAL EQUIPMENT. COORDINATE UNIT & ASSOCIATED ROOF WORK W/ MECHANICAL DWGS. SEE A205 & SPEC FOR ADDTL ROOF DETAILS.
- C7 REMOVE EXISTING ACT CEILING & GRID & REPLACE IN KIND W/ NEW. SAVE & PROTECT EXISTING LIGHTING & REINSTALL IN NEW CONSTRUCTION.
- C10 PROVIDE NEW CONCRETE PAD, TYP.
- C14 PROVIDE 6" DIA 4'-6" HT CONC FILLED PIPE BOLLARDS, SEE DETAIL 6/A205. COORD LAYOUT & QUANTITY W/ ELEC DWGS.
- C15 PROVIDE NEW 6'-0" HT CHAINLINK FENCE W/ 6'-0" WIDE GATE W/ PRIVACY SLATS & GALVANIZED CHAINLINK, SUPPORTS & POSTS. SEE DETAIL 2/A205 FOR ADDTL INFO.
- D1 CUT OPENING THROUGH EXIST MASONRY & CMU BACK-UP WALL FOR NEW LOUVER.
- D2 REMOVE EXISTING LOUVER FROM EXTERIOR WALL.
- D5 COORDINATE REMOVAL OF FURNITURE AND/OR EQUIP W/ DISTRICT IN PREPARATION FOR NEW ELEC PANELBOARD, LOOSE FURNITURE AND/OR EQUIPMENT TO BE REMOVED BY OWNER.



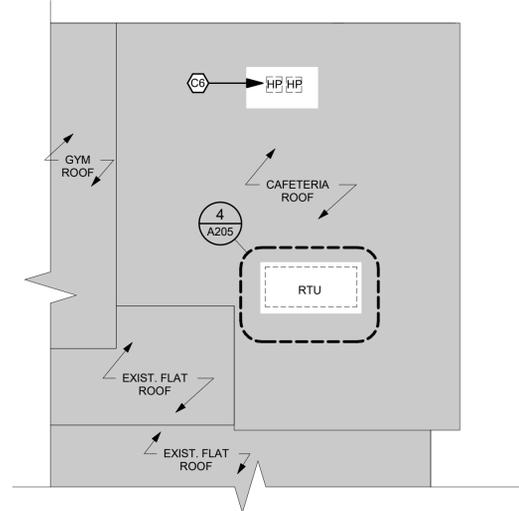
**1 PARTIAL PLAN - LIBERTY LIBRARY**  
1/8" = 1'-0"



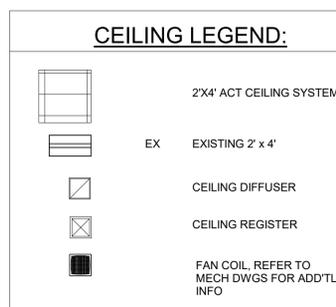
**2 PARTIAL PLAN - LIBERTY CAFETERIA**  
1/8" = 1'-0"



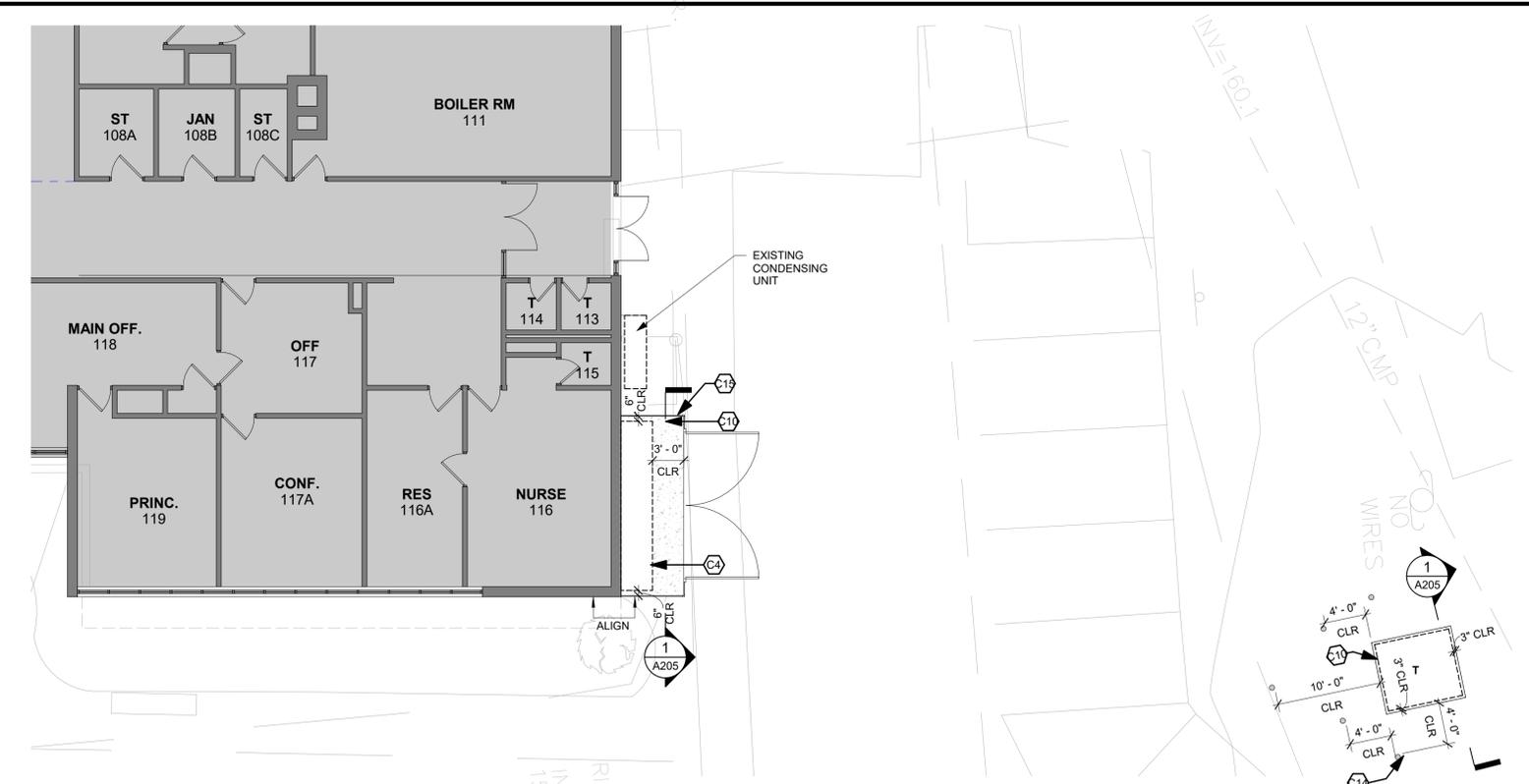
**3 CEILING PLAN - LIBERTY CAFETERIA**  
1/8" = 1'-0"



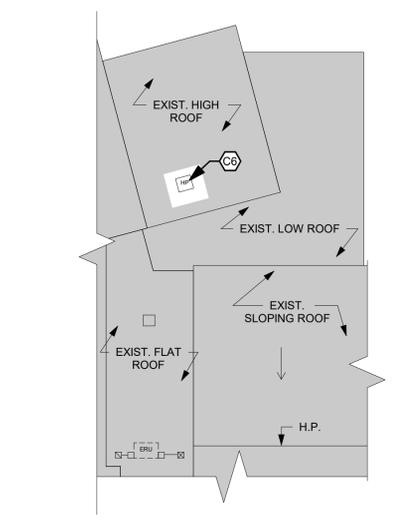
**4 ROOF PLAN - LIBERTY CAFETERIA**  
1/16" = 1'-0"



**5 PARTIAL SITE PLAN - LIBERTY**  
1/8" = 1'-0"

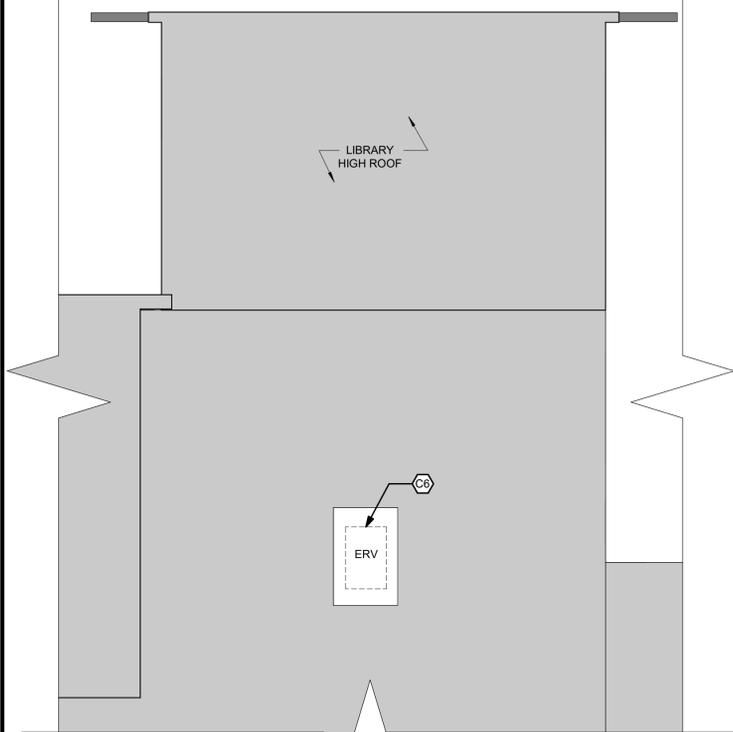


**6 ROOF PLAN - LIBERTY LIBRARY**  
1/16" = 1'-0"

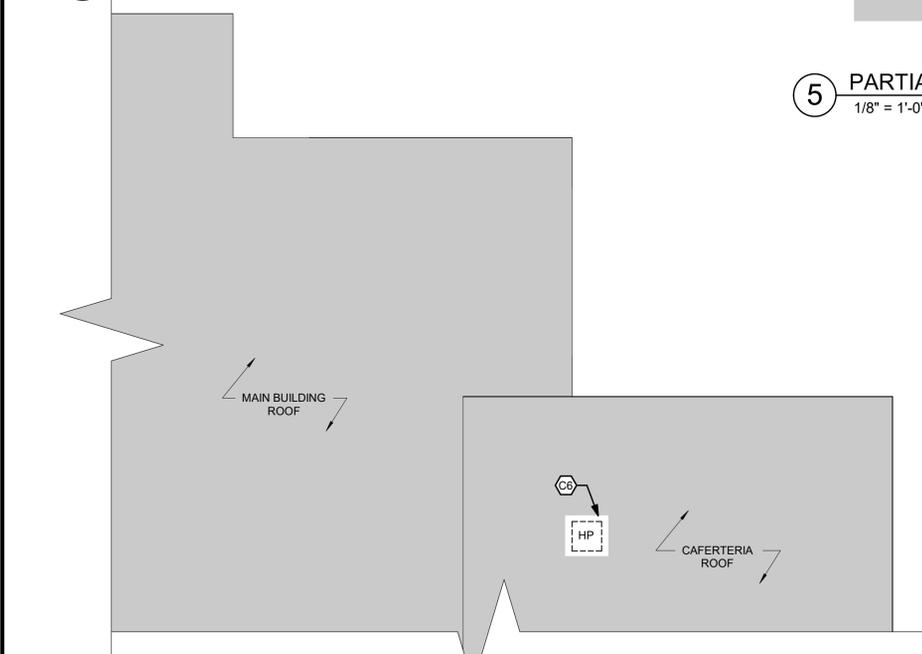


**CEILING LEGEND:**

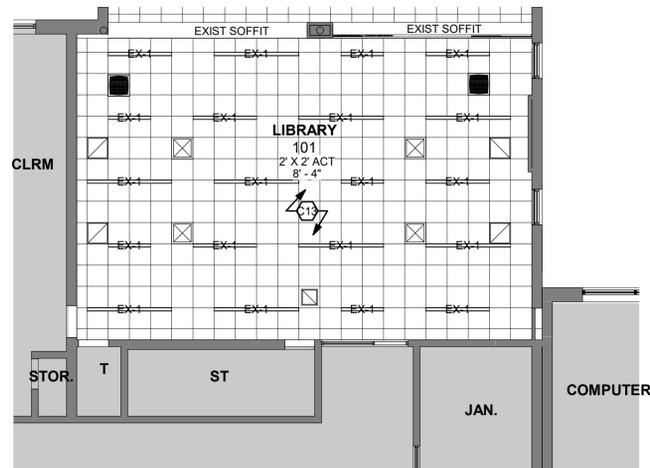
- 2'X2' ACT CEILING SYSTEM
- EX EXISTING RECESSED LINEARS
- EX EXISTING 2' x 4'
- CEILING DIFFUSER 18x18 GOOSENECK ON ROOF. REFER TO MECH DWGS FOR ADDTL INFO
- CEILING REGISTER FAN COIL. REFER TO MECH DWGS FOR ADDTL INFO



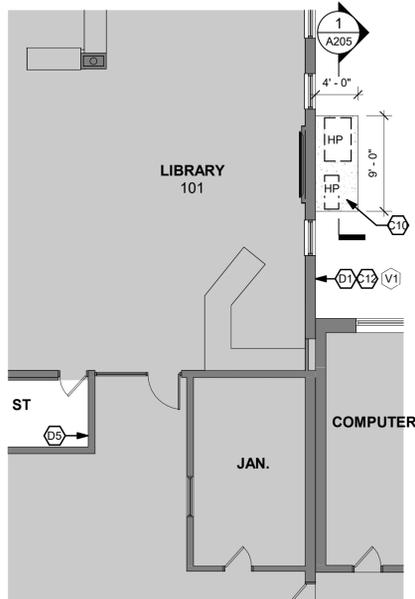
**3** ROOF PLAN - UPPER NYACK LIBRARY  
1/8" = 1'-0"



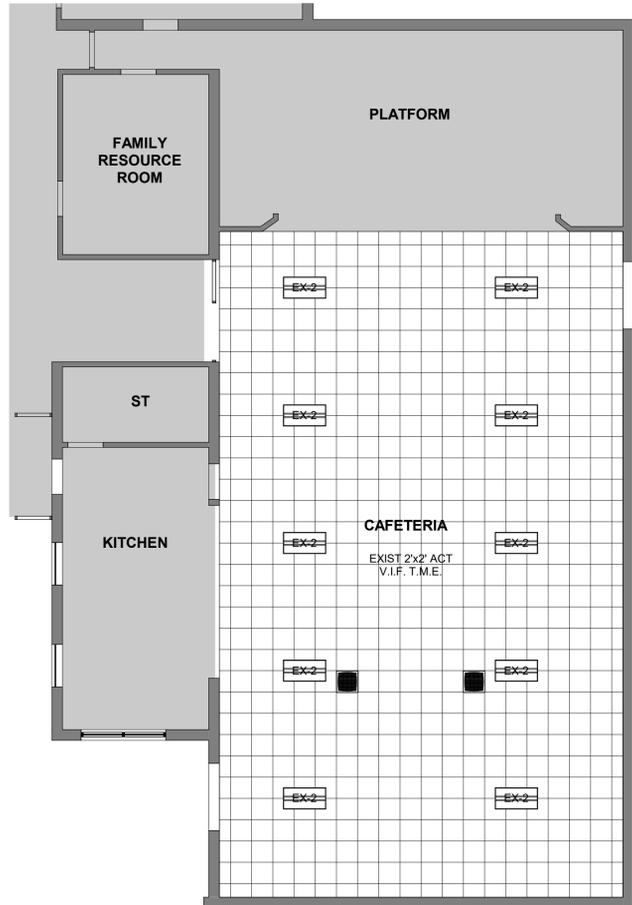
**2** ROOF PLAN - UPPER NYACK CAFETERIA  
1/8" = 1'-0"



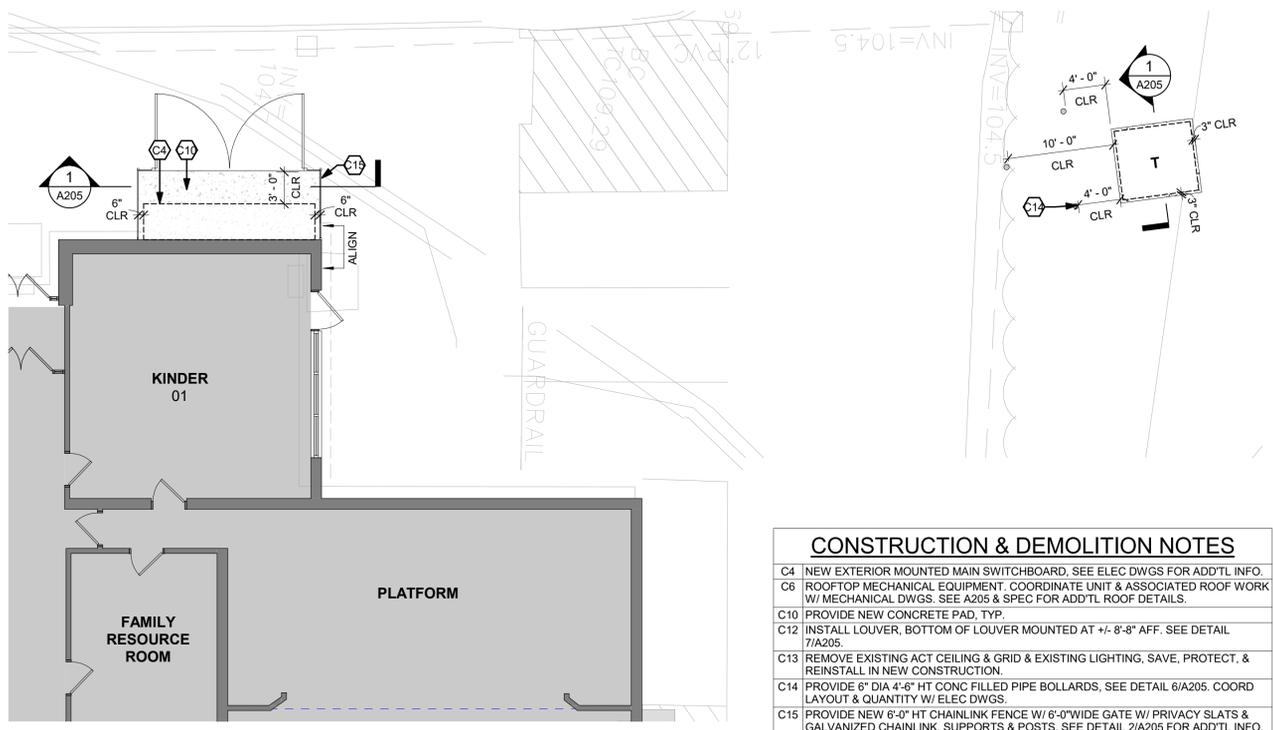
**6** CEILING PLAN - UPPER NYACK LIBRARY  
1/8" = 1'-0"



**5** PARTIAL PLAN - UPPER NYACK LIBRARY  
1/8" = 1'-0"



**4** CEILING PLAN - UPPER NYACK CAFETERIA  
1/8" = 1'-0"



**1** PARTIAL SITE PLAN - UPPER NYACK  
1/8" = 1'-0"

**GENERAL NOTES**

1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS
2. WHERE WALLS AND OR CEILINGS ARE OPENED TO ACCESS PIPE CHASES, PATCH AND MATCH OPENINGS TO MATCH ADJACENT EXISTING CONSTRUCTION; REMOVE AND REINSTALL ALL ADJACENT BUILT-IN AND MOVABLE FURNITURE AS REQUIRED FOR COMPLETE ACCESS TO PIPE CHASE.
3. GC SHALL INSTALL LOUVERS PROVIDED BY HVAC CONTRACTOR.
4. PROVIDE TEMPORARY LIGHTING IN AREAS WHERE REQUIRED DURING CEILING REPLACEMENT WORK.
5. IN ALL AREAS OF WORK WHERE ADJACENT SURFACES ARE DAMAGED OR DISTURBED, PATCH ADJACENT SURFACES TO MATCH EXISTING.
6. AT ALL PATCHED WALLS AND SOFFITS, PAINT ENTIRE FACE OF WALL/SOFFIT, FULL WIDTH & HEIGHT OF ROOM. COLOR SHALL MATCH EXISTING.
7. WHERE CUTTING OR CORE DRILLING SHALL OCCUR TO CREATE OPENINGS IN EXTERIOR WALLS AND ROOFTOPS, ALL LOCATIONS MUST BE PROTECTED WITH TEMPORARY WATER-TIGHT/WATER-PROOFING CONSTRUCTION UNTIL INSTALLATION OF FINAL WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ALL DAMAGE TO BUILDINGS AND PROPERTY CAUSED BY UNPROTECTED OR INSUFFICIENTLY PROTECTED WORK.

**FLOOR PLAN LEGEND**

- 1 DENOTES AREA OF NO MAJOR ARCHITECTURAL RENOVATION WORK. SPECIFIC WORK MAY BE SHOWN ELSEWHERE INCLUDING WORK THAT MAY REQUIRE ACCESS, PATCHING, & RESTORATION. REFER TO M.E.P. DWGS.
- 2 DENOTES EXISTING WALL TO REMAIN (MOST EXISTING WALLS ARE MASONRY)
- 3 DENOTES EXISTING CONSTRUCTION TO BE DEMOLISHED (U.N.O.).
- 4 DENOTES EXISTING DOOR TO REMAIN (U.N.O.)
- 5 TRANSFORMER. REFER TO ELEC DWGS FOR ADDITIONAL INFO
- 6 LOUVER ELEVATION
- 7 CONSTRUCTION / DEMOLITION KEY NOTE

**ROOF LEGEND**

- 1 HP HEAT PUMP
- 2 ERV ENERGY RECOVERY VENTILATOR

**CONSTRUCTION & DEMOLITION NOTES**

- C4 NEW EXTERIOR MOUNTED MAIN SWITCHBOARD, SEE ELEC DWGS FOR ADDTL INFO.
- C6 ROOFTOP MECHANICAL EQUIPMENT. COORDINATE UNIT & ASSOCIATED ROOF WORK W/ MECHANICAL DWGS. SEE A205 & SPEC FOR ADDTL ROOF DETAILS.
- C10 PROVIDE NEW CONCRETE PAD, TYP.
- C12 INSTALL LOUVER, BOTTOM OF LOUVER MOUNTED AT +/- 8'-8" AFF. SEE DETAIL 7/A205.
- C13 REMOVE EXISTING ACT CEILING & GRID & EXISTING LIGHTING. SAVE, PROTECT, & REINSTALL IN NEW CONSTRUCTION.
- C14 PROVIDE 6" DIA 4'-6" HT CONC FILLED PIPE BOLLARDS, SEE DETAIL 6/A205. COORD LAYOUT & QUANTITY W/ ELEC DWGS.
- C15 PROVIDE NEW 6'-0" HT CHAINLINK FENCE W/ 6'-0" WIDE GATE W/ PRIVACY SLATS & GALVANIZED CHAINLINK, SUPPORTS & POSTS. SEE DETAIL 2/A205 FOR ADDTL INFO.
- D1 CUT OPENING THROUGH EXIST MASONRY & CMU BACK-UP WALL FOR NEW LOUVER.
- D5 COORDINATE REMOVAL OF FURNITURE AND/OR EQUIP W/ DISTRICT IN PREPARATION FOR NEW ELEC PANELBOARD, LOOSE FURNITURE AND/OR EQUIPMENT TO BE REMOVED BY OWNER.

**DISTRICT WIDE AIR CONDITIONING CAFETERIAS & GLOBAL LEARNING COMMONS**

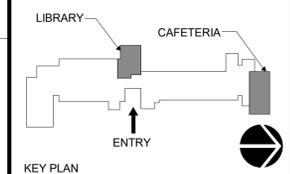
NYACK UNION FREE SCHOOL DISTRICT  
13 A Dickinson Avenue  
Nyack, NY 10960

**KG+D** listen imagine build  
KG+D ARCHITECTS, PC  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY: 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK: 50-03-04-03-0-007-023

**CONSTRUCTION DOCUMENTS**

**bga**  
BARILE GALLAGHER & ASSOCIATES  
CONSULTING ENGINEERS  
39 MARBLE AVENUE, PLAZA SOUTH, NY 10970  
PHONE: 914.328.6600 FAX: 914.328.9304 Genset@BGA.com



NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAETZER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF (KGD).

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

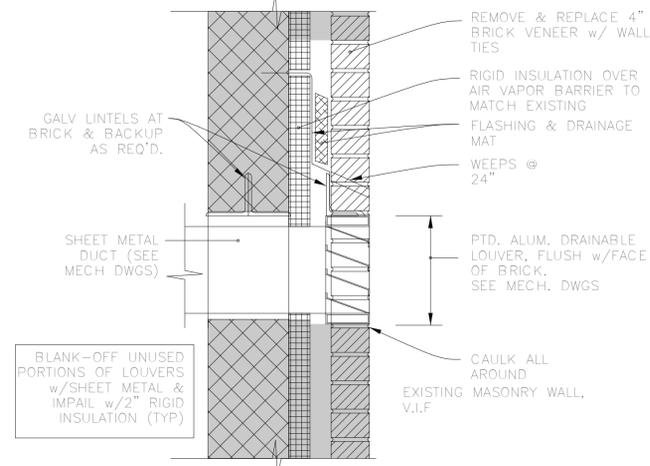
ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECTION 89(3)(b) OF NEW YORK STATE LAW. COPYRIGHT KAETZER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

No.	Date	Issue
2	11/06/2023	ISSUE FOR BID
1	05/17/2022	CONSTRUCTION DOCUMENTS

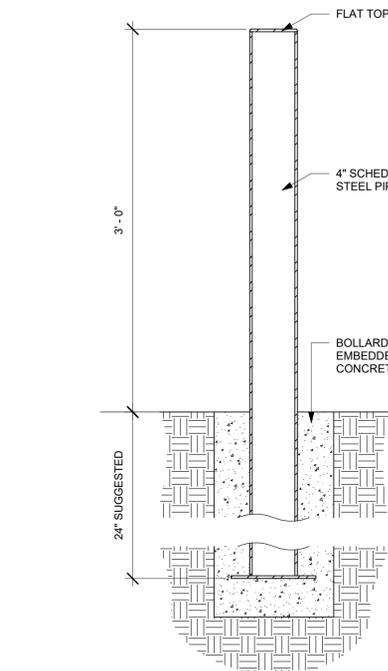
**UPPER NYACK ES PART. PLANS, ROOF PLAN, & CEILING PLAN**

Job No.	Date
AS NOTED	01/27/2022
Scale	Drawn / Checked
MA SD	

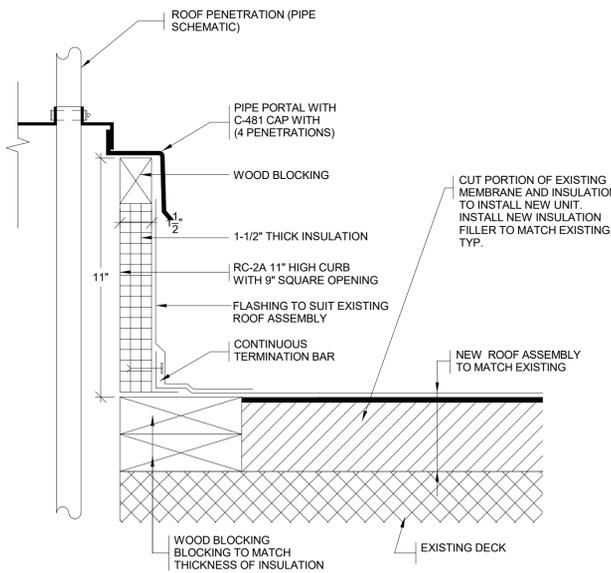
Sheet Number  
**A204**



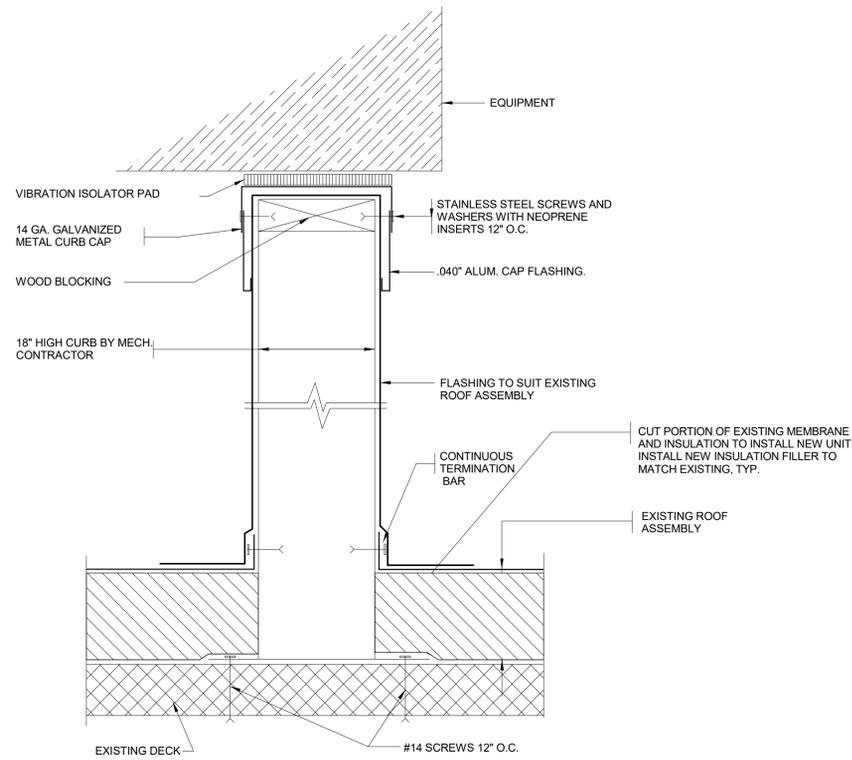
**7 WALL SECTION @ LOUVER**  
1 1/2" = 1'-0"



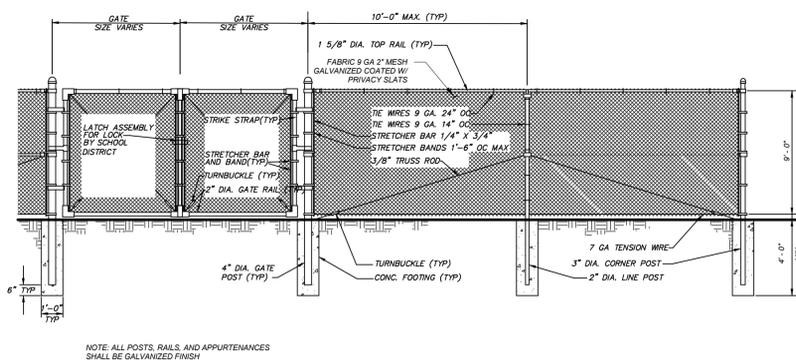
**6 FIXED BOLLARD DETAIL**  
N.T.S.



**3 ROOF PENETRATIONS DETAIL**  
3" = 1'-0"

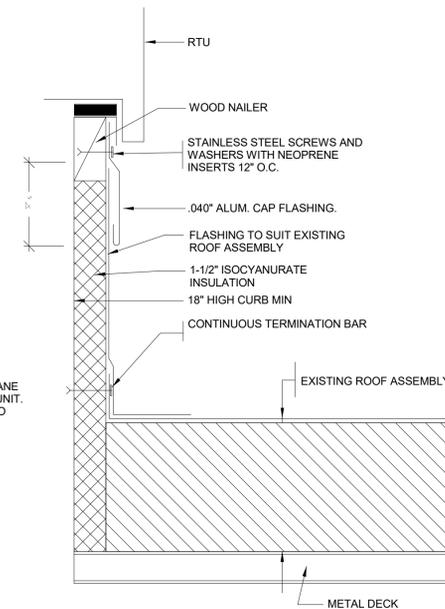
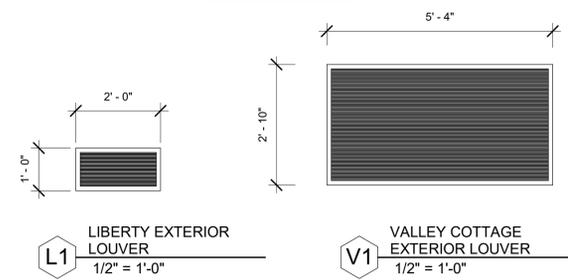


**5 TYPICAL RAIL SUPPORT CURB**  
3" = 1'-0"



**2 CHAINLINK FENCE DETAIL**  
N.T.S.

**LOUVERS:**



NOTE: REMOVE EXISTING FLASHING.

ON EXISTING ROOFS INSTALL NEW FLASHINGS AND INSULATION AS NEEDED TO MATCH THE EXISTING INSULATION.

**4 TYPICAL RTU CURB**  
3" = 1'-0"

**CODE COMPLIANCE REQUIREMENTS:**

- INSTALL NEW ROOFING TO MEET THE FOLLOWING MINIMUM REQUIREMENTS: NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, UNDERWRITERS LABORATORIES INC. CLASS A EXTERNAL FIRE RATING FOR ROOF COVERING MATERIALS.
  - INSTALL ROOFING TO COMPLY WITH THE WIND UPLIFT REQUIREMENTS OF THE BUILDING CODE OF NEW YORK STATE, AND ASCE 7-10:
- RISK CATEGORY III  
BASIC WIND SPEED 130 MPH  
EXPOSURE CATEGORY B  
BUILDING HEIGHT 30 FT.
- INSTALL ROOFING AS INDICATED TO RESIST THE FOLLOWING UPLIFT LOADS:
- FIELD ZONE: 60 PSF  
PERIMETER ZONE: 100 PSF  
CORNER ZONE: 150 PSF

**ROOF R-VALUE:**

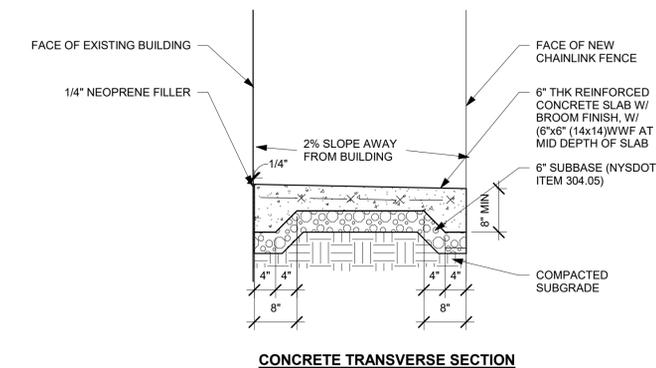
R - VALUE REQUIRED TO MEET THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE, CONTINUOUS INSULATION ENTIRELY ABOVE DECK, R=30.

**NOTES:**

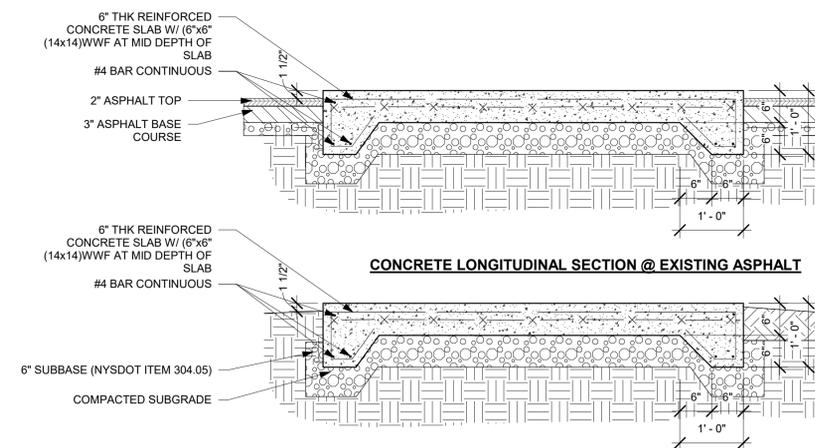
- DIMENSIONS AND CONDITIONS ON THE ROOF PLAN AND DETAILS ARE APPROXIMATE AND MUST BE CONFIRMED BY THE CONTRACTOR. ONLY CERTAIN FASTENERS ARE SHOWN ON THE DRAWINGS, REFER TO THE SPECIFICATIONS FOR ADDITIONAL FASTENER REQUIREMENTS.
  - TEST THE DRAIN LINES IN AREAS BEING REPLACED WITH A RUNNING HOSE FOR AT LEAST ONE HOUR PRIOR TO STARTING ANY OTHER WORK. PROVIDE A WRITTEN REPORT OF ANY CLOGGED LINES TO THE ARCHITECT & OWNER. CLOGGED DRAIN LINES WILL BE CLEANED BY THE OWNER.
- COVER & PROTECT ALL DRAIN OPENINGS AT THE BEGINNING OF EACH WORK DAY. REMOVE THE COVERS AT THE END OF EACH DAY AND BEFORE PRECIPITATION OCCURS.
- PERFORM WHATEVER WORK IS REQUIRED TO RESTORE THE DRAIN LINES TO CLEAN, CLEAR, FREE FLOWING CONDITION AT THE COMPLETION OF THE PROJECT.
- REMOVE AND RESTORE HUNG CEILINGS AND GYPSUM BOARD CEILINGS IN AREAS THAT REQUIRE ACCESS TO COMPLETE NEW WORK. TAPE, PRIME AND PAINT ENTIRE GYPSUM BOARD CEILING TO MATCH EXISTING.
  - WIRE BRUSH PRIME & PAINT ROOF TOP EQUIPMENT, AND VENT PIPES, INCLUDING ALUMINUM EQUIPMENT IN AREAS BEING REPLACED.
  - INSTALL NEW EQUIPMENT CURBS WITH BASE CENTERED ON EXISTING STRUCTURAL STEEL FRAMING. CURBS SHALL TRANSITION TO ACCOMMODATE NEW RTU & BE SIZED TO ALLOW CONNECTION FROM NEW UNIT TO NEW OR EXISTING DUCTWORK.

**ROOF PROTECTION NOTES:**

- DO NOT WALK ON OR TRAFFIC OVER ROOF AREAS NOT BEING REOFED.
- INSTALL 1" THICK EXTRUDED POLYSTYRENE INSULATION, 6 MIL FIRE RETARDANT POLYETHYLENE AND 2x10 WOOD PLANKS TO PROTECT EXISTING ROOFING WHERE CONSTRUCTION WORK AND TRAFFIC WILL OCCUR.
- NEATLY CUT AND POSITION ROOF PROTECTION COMPONENTS TO FIT WITHIN 1/2" OF ROOF PENETRATIONS, EAVES AND CHANGE IN ELEVATION WALLS.
- DO NOT COVER THE ROOF DRAINS. MAINTAIN THE ROOF DRAIN STRAINER VISIBLE AND CLEAR AT ALL TIMES.



**CONCRETE TRANSVERSE SECTION**



**CONCRETE LONGITUDINAL SECTION @ EXISTING ASPHALT**

**CONCRETE LONGITUDINAL SECTION @ SOIL**

**1 CONCRETE PAD**  
3/4" = 1'-0"

**DISTRICT WIDE AIR CONDITIONING: CAFETERIAS & GLOBAL LEARNING COMMONS**

NYACK UNION FREE SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960

**KG+D** listen imagine build

**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P: 914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

**CONSTRUCTION DOCUMENTS**

**bgd**

**BARILE GALLAGHER & ASSOCIATES**  
CONSULTING ENGINEERS  
39 MARBLE AVENUE, PLAINSMOUTH, NY 10970  
PHONE: 914.326.6000 FAX: 914.326.0104 GGDARCHITECTS.COM

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEPER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF (KGD).

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 89.3 (b) OF NEW YORK STATE LAW.  
COPYRIGHT KAEPER, GARMENT - DAVIDSON ARCHITECTS & ENGINEERS, PC ALL RIGHTS RESERVED.

Professional Seal

2	11/06/2023	ISSUE FOR BID
1	05/17/2022	CONSTRUCTION DOCUMENTS

No. Date Issue

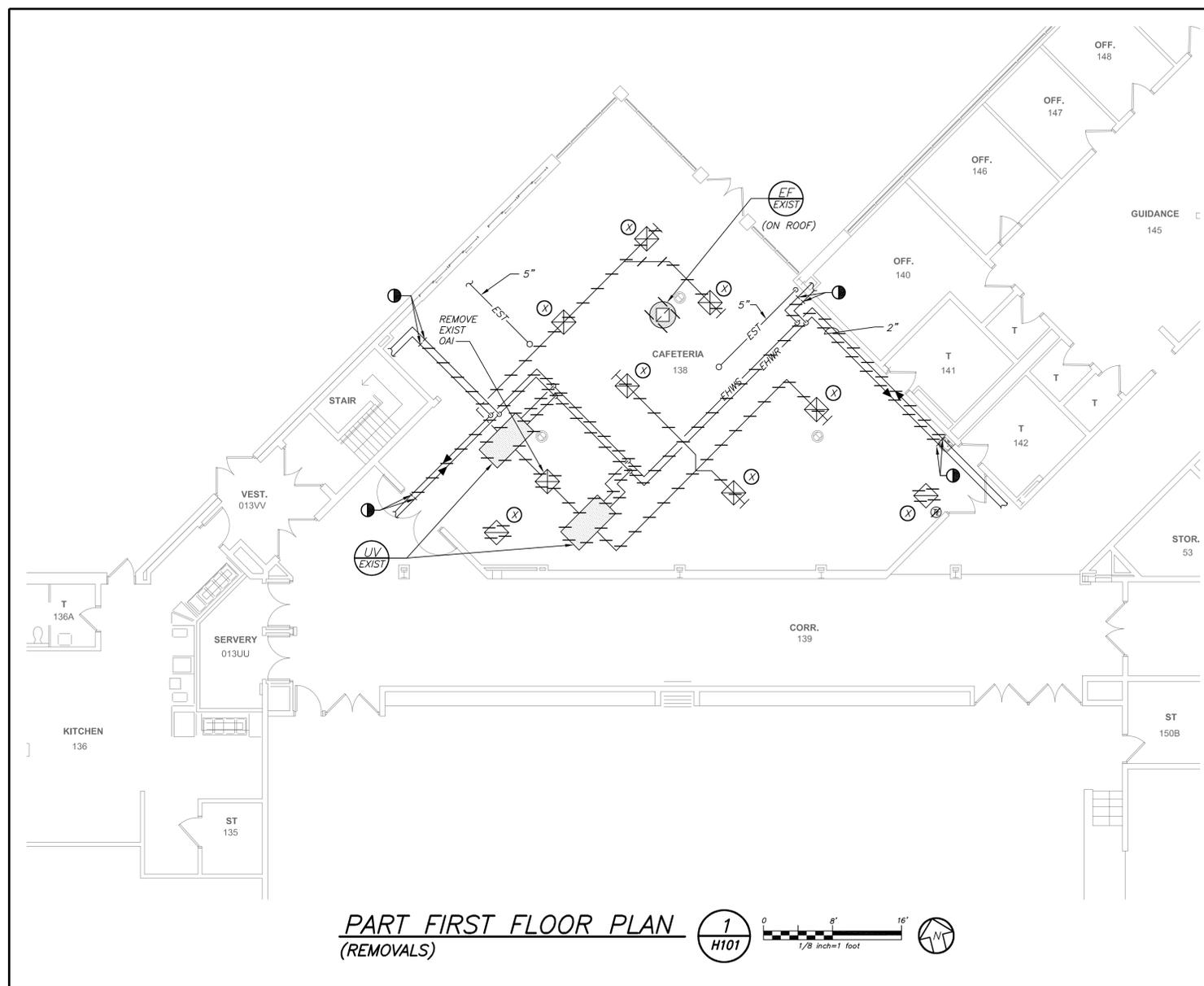
Sheet Title

**ROOF & EXTERIOR DETAILS**

Job No.	2021-1055	Date	01/27/2022
Scale	AS NOTED	Drawn / Checked	MA SD

Sheet Number

**A205**



**PART FIRST FLOOR PLAN  
(REMOVALS)**



LEGEND	
	EXISTING DUCTWORK, EQUIPMENT, ETC. TO REMAIN
	EXISTING DUCTWORK, EQUIPMENT, ETC. TO BE REMOVED
	NEW DUCTWORK
	FLEXIBLE CONNECTORS
	NEW DUCTWORK WITH TURNING VANES (WHERE APPLICABLE)
	FULL SIZE CONNECTION
	MOTORIZED DAMPER
	GENERAL CONTRACTOR
	OUTSIDE AIR INTAKE
	CUBIC FEET PER MINUTE
	WIRE MESH GRILLE
	SECTION/DETAIL/ELEVATION/PART PLAN NUMBER
	SECTION/ELEVATION IDENTIFICATION
	SQUARE DUCT TURN WITH TURNING VANES
	EXISTING 4-WAY CEILING DIFFUSER
	EXISTING CEILING REGISTER
	NEW 4-WAY CEILING DIFFUSER
	NEW CEILING EXHAUST/RETURN REGISTER
	DUCT MTD. MANUAL AIR VOLUME DAMPER (W/LOCKING DEVICE) OR CABLE OPERATED WHERE DAMPER IS INACCESSIBLE.
	MOTORIZED AIR VOLUME DAMPER (WITH ACCESS DOOR)
	SMOKE DAMPER (U.L. APPROVED) & ACCESS DOOR
	FIRE DAMPER (U.L. APPROVED) & ACCESS DOOR
	EXISTING HOT WATER HEATING SUPPLY PIPING
	EXISTING HOT WATER HEATING RETURN PIPING
	HOT WATER HEATING SUPPLY PIPING
	HOT WATER HEATING RETURN PIPING
	NEW LIQUID REFRIGERANT LINE
	NEW SUCTION REFRIGERANT LINE
	NEW HOT GAS REFRIGERANT LINE
	CONDENSATE DRAIN PIPING
	EXISTING STORM PIPING
	FLOW DIRECTION WITHIN PIPE
	SHUT OFF VALVE
	PIPE CONNS. (BOTTOM; TOP 45 OR 90; PIPE UP)
	EXISTING AIR HANDLING UNIT IDENTIFICATION
	EXISTING EXHAUST FAN IDENTIFICATION
	EXISTING UNIT VENTILATOR IDENTIFICATION
	EXISTING UNIT VENTILATOR INTAKE IDENTIFICATION
	EXISTING CABINET HEATER IDENTIFICATION
	NEW UNIT VENTILATOR IDENTIFICATION
	NEW UNIT VENTILATOR INTAKE IDENTIFICATION
	NEW HOT WATER COIL IDENTIFICATION
	NEW COOLING COIL IDENTIFICATION
	NEW ENERGY RECOVERY VENTILATOR IDENTIFICATION
	NEW ROOFTOP UNIT IDENTIFICATION
	NEW HEAT-PUMP UNIT IDENTIFICATION
	NEW VRF FAN COIL UNIT IDENTIFICATION
	NEW DEDICATED OUTDOOR AIR SYSTEM IDENTIFICATION
	EXISTING FIN TUBE RADIATION IDENTIFICATION
	WALL MTD. (5'-2"+/- A.F.F.) TEMPERATURE SENSOR
	EXISTING TEMPERATURE SENSOR
	POINT OF DISCONNECTION
	POINT OF CONNECTION, NEW TO EXISTING
	FULL SIZE CONNECTION
	MOTORIZED DAMPER
	GENERAL CONTRACTOR
	OUTSIDE AIR INTAKE
	CUBIC FEET PER MINUTE
	WIRE MESH GRILLE
	SECTION/DETAIL/ELEVATION/PART PLAN NUMBER
	SECTION/ELEVATION IDENTIFICATION

**REMOVAL NOTES**

- REMOVAL NOTES:**
- THE SCOPE OF REMOVAL SHOWN ON "REMOVALS" DRAWINGS IS DIAGRAMMATIC ONLY AND INDICATES THE INTENT OF THE WORK TO BE PERFORMED AND NOT THE COMPLETE SCOPE OF DEMOLITION AND/OR REMOVAL WORK. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO REMOVE ANY RELATED MECHANICAL DEVICES EVEN IF NOT SPECIFICALLY INDICATED TO BE REMOVED ON THESE DRAWINGS IN ORDER TO ACCOMMODATE NEW WORK.
  - DEVICES SHOWN CROSS HATCHED ON DRAWINGS ARE ITEMS TO BE REMOVED. ANY DEVICES REMOVED SHALL INCLUDE (BUT SHALL NOT BE LIMITED TO) THE REMOVAL OF ALL ASSOCIATED PIPING, CONTROLS, ETC. THAT ARE NOT INCORPORATED IN THE NEW LAYOUT, UNTIL SUCH REMOVAL IS COMPLETE. THIS CONTRACTOR SHALL PERFORM ALL WORK REQUIRED TO INSURE CONTINUITY OF SERVICE TO EXISTING REMAINING EQUIPMENT. NO EXTRAS RELATING TO THE SCOPE OF WORK DESCRIBED WILL BE ALLOWED.
  - EQUIPMENT, PIPING, ETC., REQUIRED TO RECONNECT SHALL BE INSTALLED CONCEALED WITHIN THE NEW SUSPENDED CEILINGS, PARTITIONS AND/OR WALLS, FLOORS, NO SURFACE MOUNTED OR EXPOSED EQUIPMENT, PIPING, ETC., SHALL BE PERMITTED, UNLESS SPECIFICALLY INDICATED.
  - ALL ITEMS TO BE REMOVED SHALL BE REVIEWED WITH THE OWNER PRIOR TO REMOVAL. OWNER SHALL HAVE FIRST SALVAGE RIGHTS. ITEMS THE OWNER WISHES TO KEEP SHALL BE REMOVED WITH CARE AND STORED AS DIRECTED BY OWNER. ITEMS THE OWNER DOES NOT WISH TO KEEP SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.
  - REMOVE EXISTING AIR HANDLERS, ASSOCIATED DISTRIBUTION DUCTWORK, CONNECTING PIPING, CONTROLS AND SUPPORTS. GC TO PATCH AND SEAL ASSOCIATED WALLS, FLOOR, CEILINGS AND ROOF OPENINGS TO MATCH EXISTING CONSTRUCTION. COORDINATE LOCATIONS WITH GC.

**DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS**

NYACK UNION FREE  
SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



**KG+D ARCHITECTS, PC**  
285 MAIN STREET - MOUNT KISCO, NEW YORK 10549  
P:914.668.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY: 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK: 50-03-04-03-0-007-023

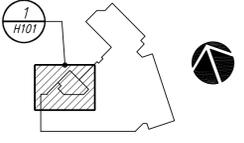
**CONSTRUCTION DOCUMENTS**



NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAETER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGDAD) AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGDAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT, WITHOUT THE PROFESSIONAL SEAL OF SAID ARCHITECT, IS A VIOLATION OF TITLE 18, SECT. 165 (b) OF NEW YORK STATE LAW.  
COPYRIGHT KAETER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.



Professional Seal

No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

Sheet Title	
<b>LEGEND, NOTES, &amp; MIDDLE SCHOOL PART FIRST FLOOR PLAN (REMOVALS)</b>	
Job No.	Date
2021-1055	11/06/2023
Scale	Drawn / Checked
AS NOTED	BGA / BGA
Sheet Number	
<b>H101</b>	

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS

NYACK UNION FREE  
SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



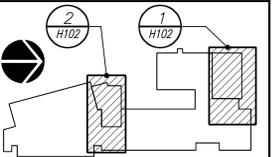
**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

CONSTRUCTION DOCUMENTS



**BARILE GALLAGHER & ASSOCIATES**  
CONSULTING ENGINEERS  
35 MARBLE AVE. PLASANTVILLE, NY 10576  
PHONE: 914.326.8950 FAX: 914.326.8704 Email:BGAA@Gmail.com



KEY PLAN

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEPER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR SUCCESSORS TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE V.B. SECT. 865 (b) OF NEW YORK STATE LAW. COPYRIGHT KAEPER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

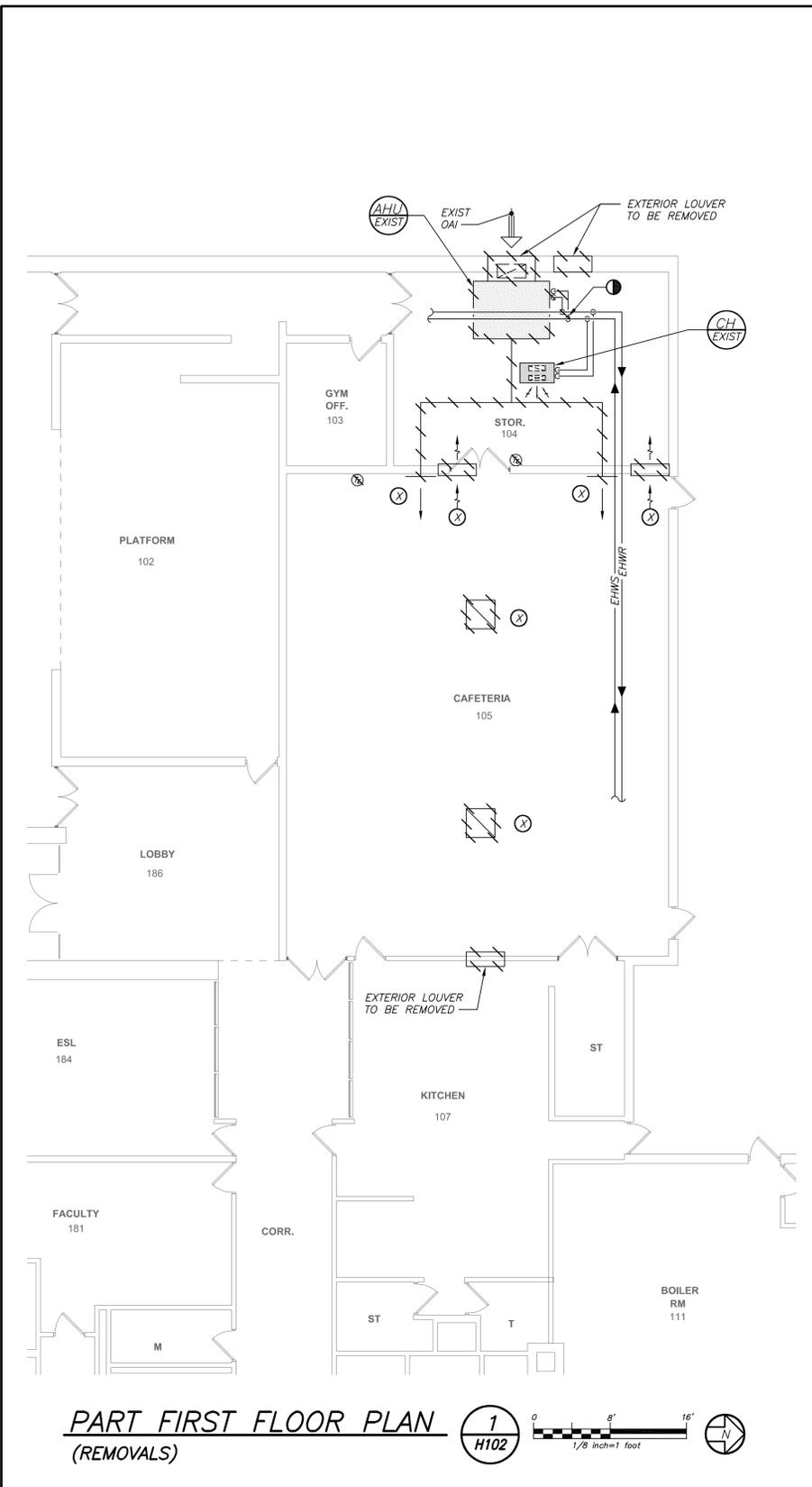
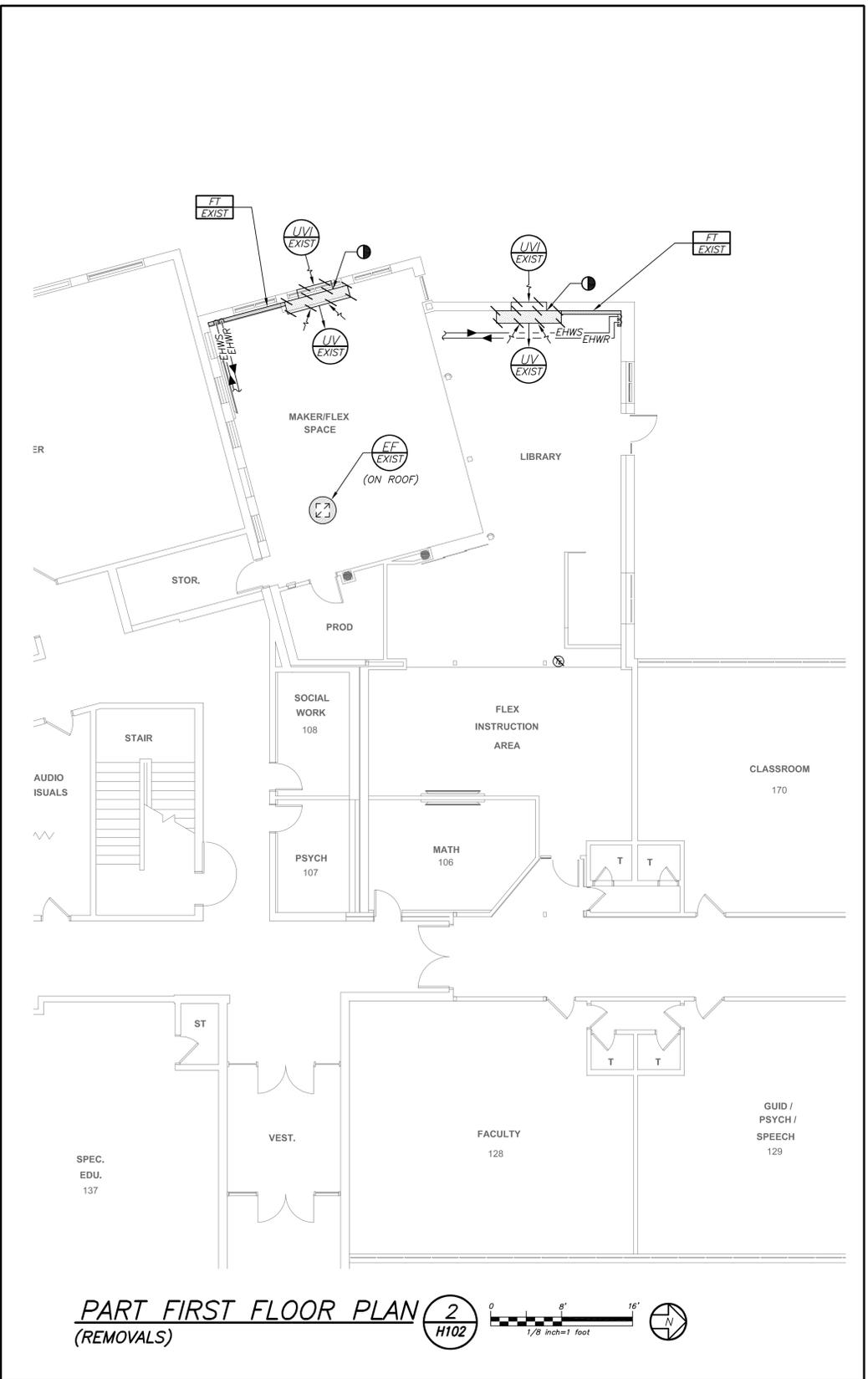
Professional Seal

No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

LIBERTY ES PART  
FIRST FLOOR PLANS  
(REMOVALS)

Job No.	2021-1055	Date	11/06/2023
Scale	AS NOTED	Drawn / Checked	BGA / BGA

Sheet Number  
**H102**



BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS

NYACK UNION FREE  
SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



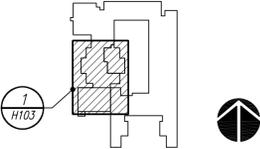
**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.666.5900 KGARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

CONSTRUCTION DOCUMENTS



**BARILE GALLAGHER & ASSOCIATES**  
CONSULTING ENGINEERS  
39 MARBLE AVE. PLASANTVILLE, NY 10576  
PHONE: 914.326.8999 FAX: 914.326.8004 Email:BGAA@comcast.net



KEY PLAN

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAETER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR SUCCESSORS TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 18, SECT. 185 (b) OF NEW YORK STATE LAW.  
COPYRIGHT KAETER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

Sheet Title

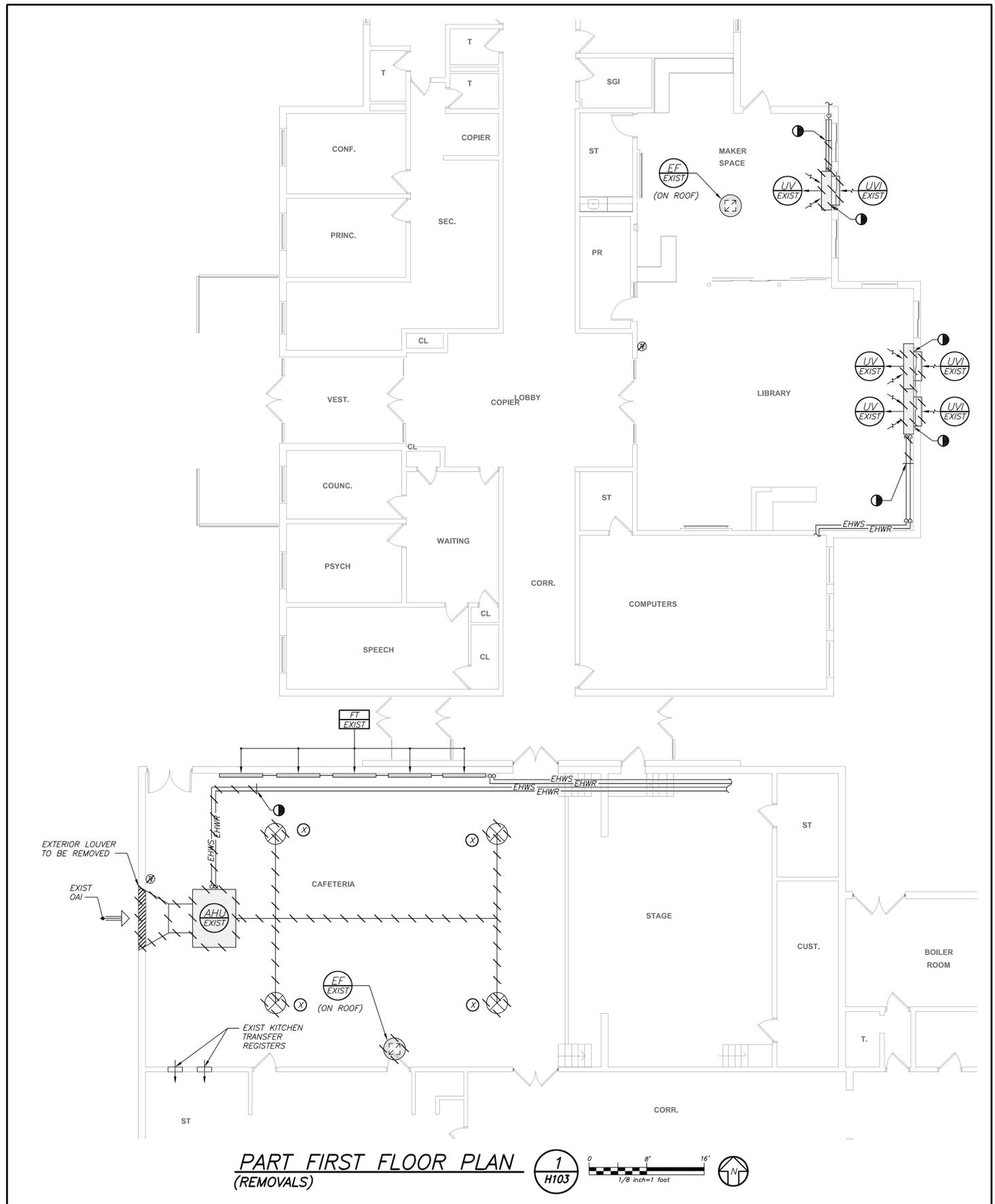
VALLEY COTTAGE ES  
PART FIRST FLOOR  
PLAN  
(REMOVALS)

Job No. 2021-1055 Date 11/06/2023

Scale AS NOTED Drawn / Checked BGA / BGA

Sheet Number

**H103**



**PART FIRST FLOOR PLAN  
(REMOVALS)**



BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS

NYACK UNION FREE  
SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



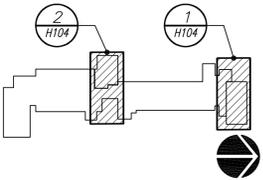
**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.666.5900 KGARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY: 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK: 50-03-04-03-0-007-023

CONSTRUCTION DOCUMENTS



**BARILE GALLAGHER & ASSOCIATES**  
CONSULTING ENGINEERS  
39 MARBLE AVENUE, PLAZASANTVILLE, NY 10519  
PHONE: 914.328.8990 FAX: 914.328.8204 GMAIL: BGA@GMAIL.COM



KEY PLAN

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAETEK, GARMENT, & DAVIDSON ARCHITECTS, PC (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 18, SECT. 185 (b) OF NEW YORK STATE LAW.  
COPYRIGHT KAETEK, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

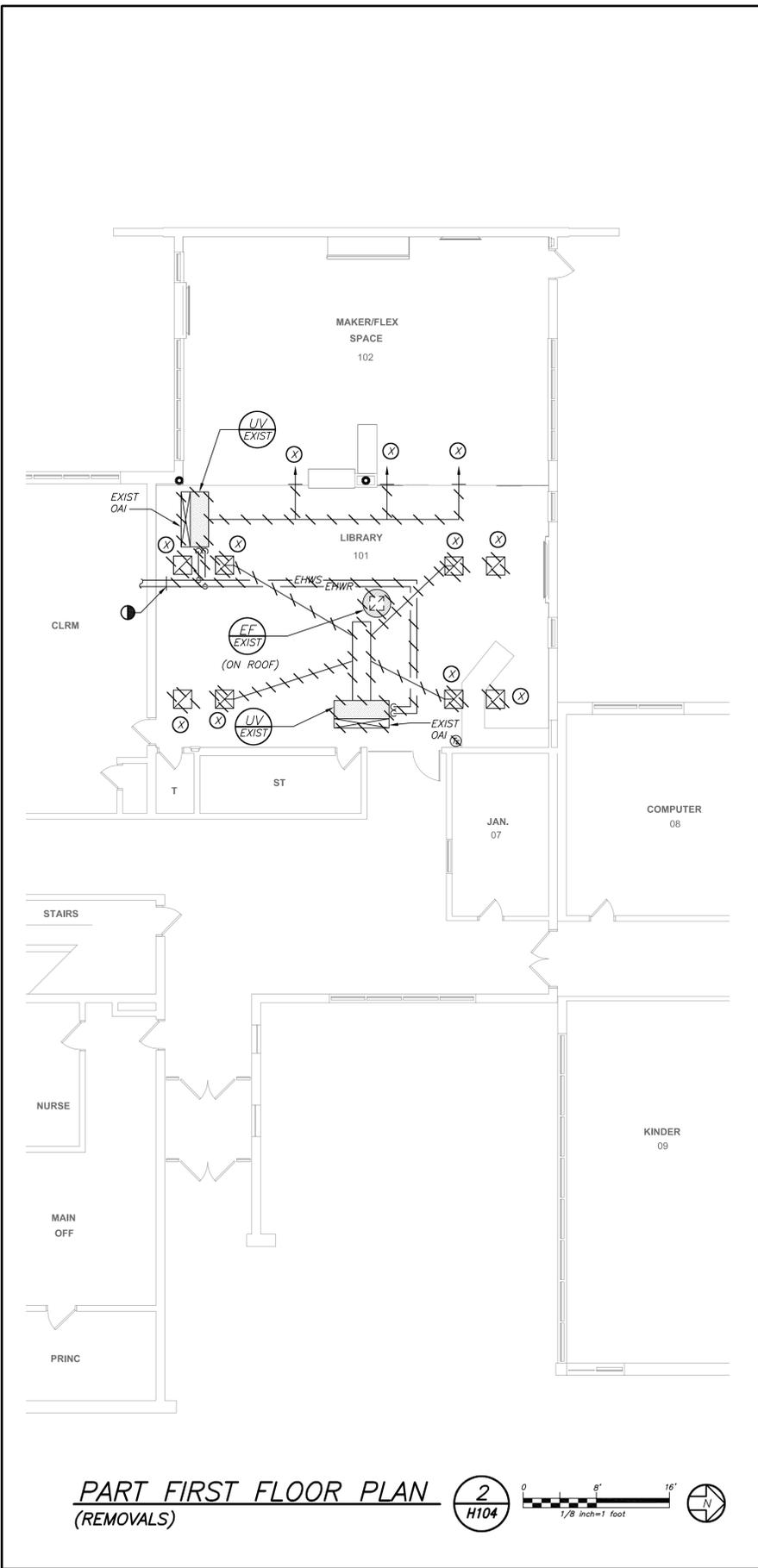
Professional Seal

4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN
No.	Date	Issue

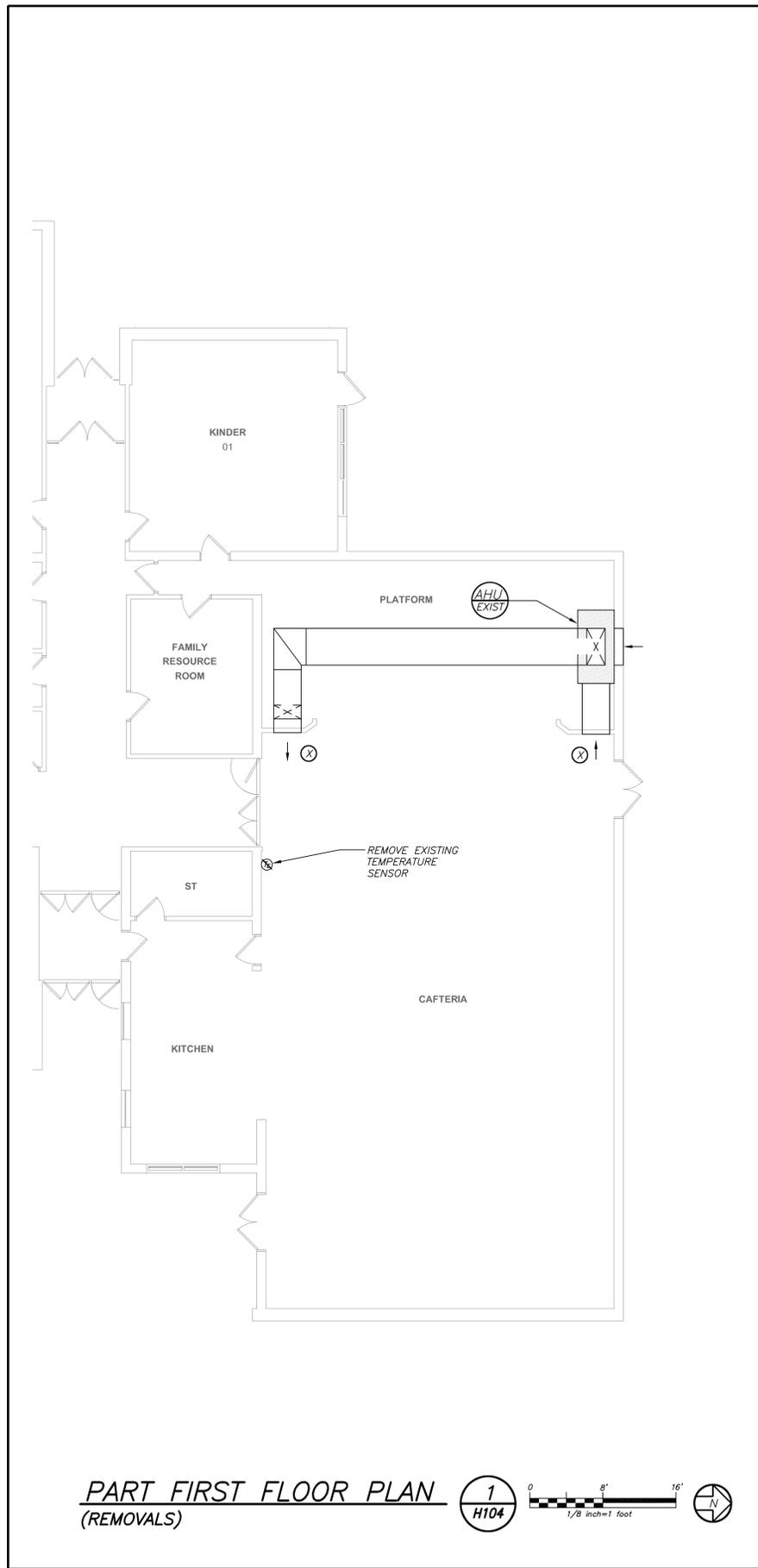
UPPER NYACK ES  
PART FIRST FLOOR  
PLANS  
(REMOVALS)

Job No.	2021-1055	Date	11/06/2023
Scale	AS NOTED	Drawn / Checked	BGA / BGA

Sheet Number  
**H104**



**PART FIRST FLOOR PLAN**  
(REMOVALS)



**PART FIRST FLOOR PLAN**  
(REMOVALS)



BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS

NYACK UNION FREE  
SCHOOL DISTRICT

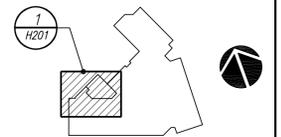
13 A Dickinson Avenue  
Nyack, NY 10960



**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.668.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY: 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK: 50-03-04-03-0-007-023

CONSTRUCTION DOCUMENTS



**KEY PLAN**

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAETEK GARMENT, & DAVIDSON ARCHITECTS, PC (KGDAD) AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR SUCCESSORS TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGDAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT, WITHOUT HIS PROFESSIONAL SEAL IS HEREBY PROHIBITED BY A VIOLATION OF TITLE 18, SECT. 865 (b) OF NEW YORK STATE LAW.  
COPYRIGHT KAETEK GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

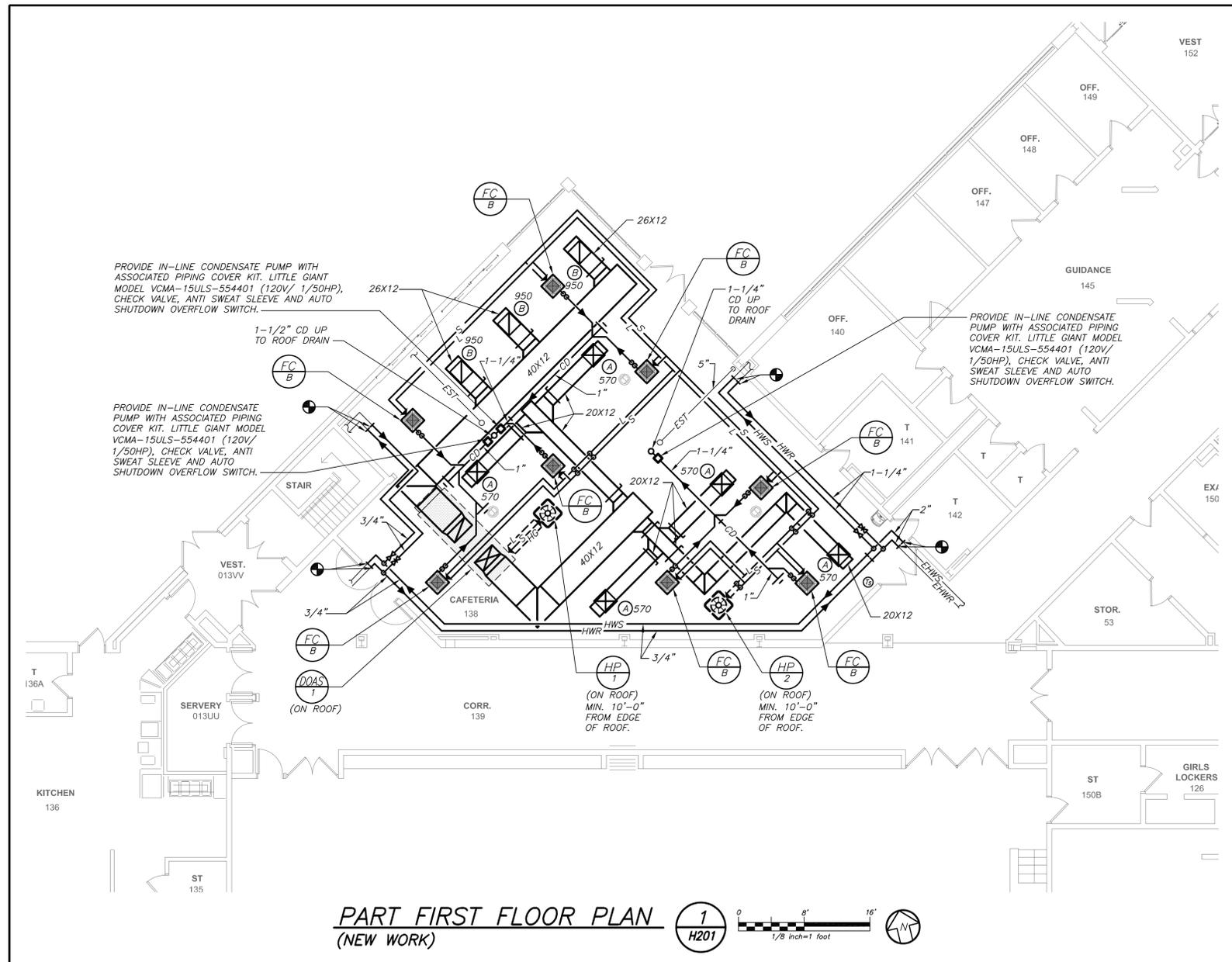
Professional Seal

No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

Sheet Title  
**MIDDLE  
SCHOOL PART  
FIRST FLOOR PLAN  
(NEW WORK)**

Job No. 2021-1055 Date 11/06/2023  
Scale AS NOTED Drawn / Checked BGA / BGA

Sheet Number  
**H201**



PROVIDE IN-LINE CONDENSATE PUMP WITH ASSOCIATED PIPING COVER KIT, LITTLE GIANT MODEL VCMA-15ULS-554401 (120V/ 1/50HP), CHECK VALVE, ANTI SWEAT SLEEVE AND AUTO SHUTDOWN OVERFLOW SWITCH.

PROVIDE IN-LINE CONDENSATE PUMP WITH ASSOCIATED PIPING COVER KIT, LITTLE GIANT MODEL VCMA-15ULS-554401 (120V/ 1/50HP), CHECK VALVE, ANTI SWEAT SLEEVE AND AUTO SHUTDOWN OVERFLOW SWITCH.

PROVIDE IN-LINE CONDENSATE PUMP WITH ASSOCIATED PIPING COVER KIT, LITTLE GIANT MODEL VCMA-15ULS-554401 (120V/ 1/50HP), CHECK VALVE, ANTI SWEAT SLEEVE AND AUTO SHUTDOWN OVERFLOW SWITCH.

**PART FIRST FLOOR PLAN**  
(NEW WORK)

1  
H201

0 8' 16'  
1/8" inch=1 foot

**VRF SYSTEM:**  
THE CONTRACTOR SHALL RETAIN THE SERVICES OF THE MANUFACTURER'S REPRESENTATIVE FOR PURPOSES OF PROVIDING REFRIGERANT PIPING SIZING. CONTRACTOR SHALL PROVIDE PIPING FROM RESPECTIVE OUTDOOR UNIT TO EACH NEW INDOOR UNIT, FOR A COMPLETE AND OPERABLE SYSTEM.

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS

NYACK UNION FREE  
SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



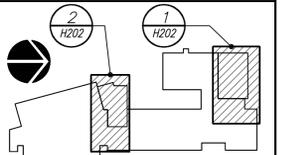
KG+D ARCHITECTS, PC  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

CONSTRUCTION DOCUMENTS



BARILE GALLAGHER & ASSOCIATES  
CONSULTING ENGINEERS  
39 MARBLE AVE. PLASANTVILLE, NY 10919  
PHONE: 914.326.8990 FAX: 914.326.8004 GGD@BGA-Eng.com



KEY PLAN

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAETER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGAD) AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED IN OR SUCCESS TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 18, SECT. 185 (b) OF NEW YORK STATE LAW.  
COPYRIGHT KAETER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

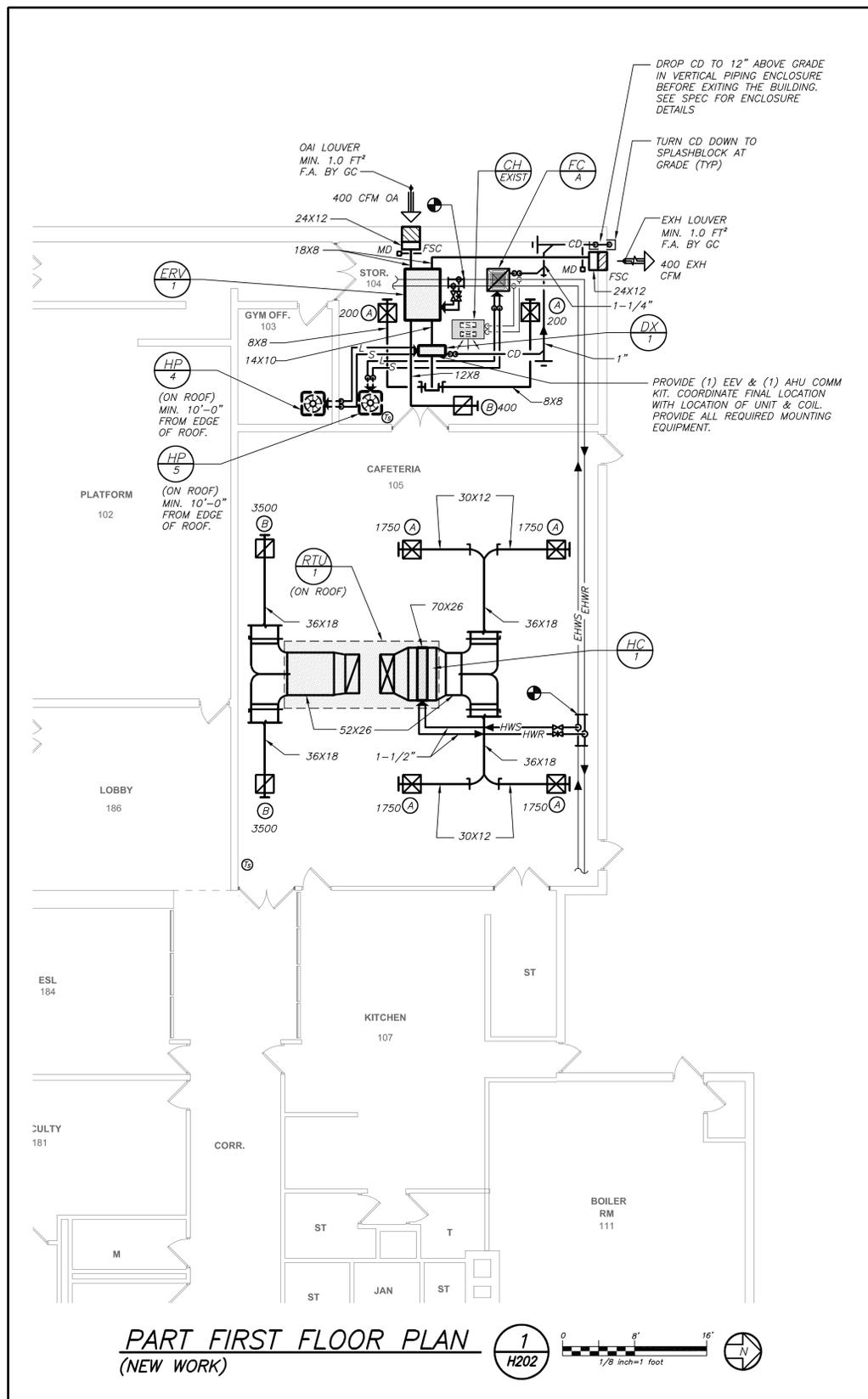
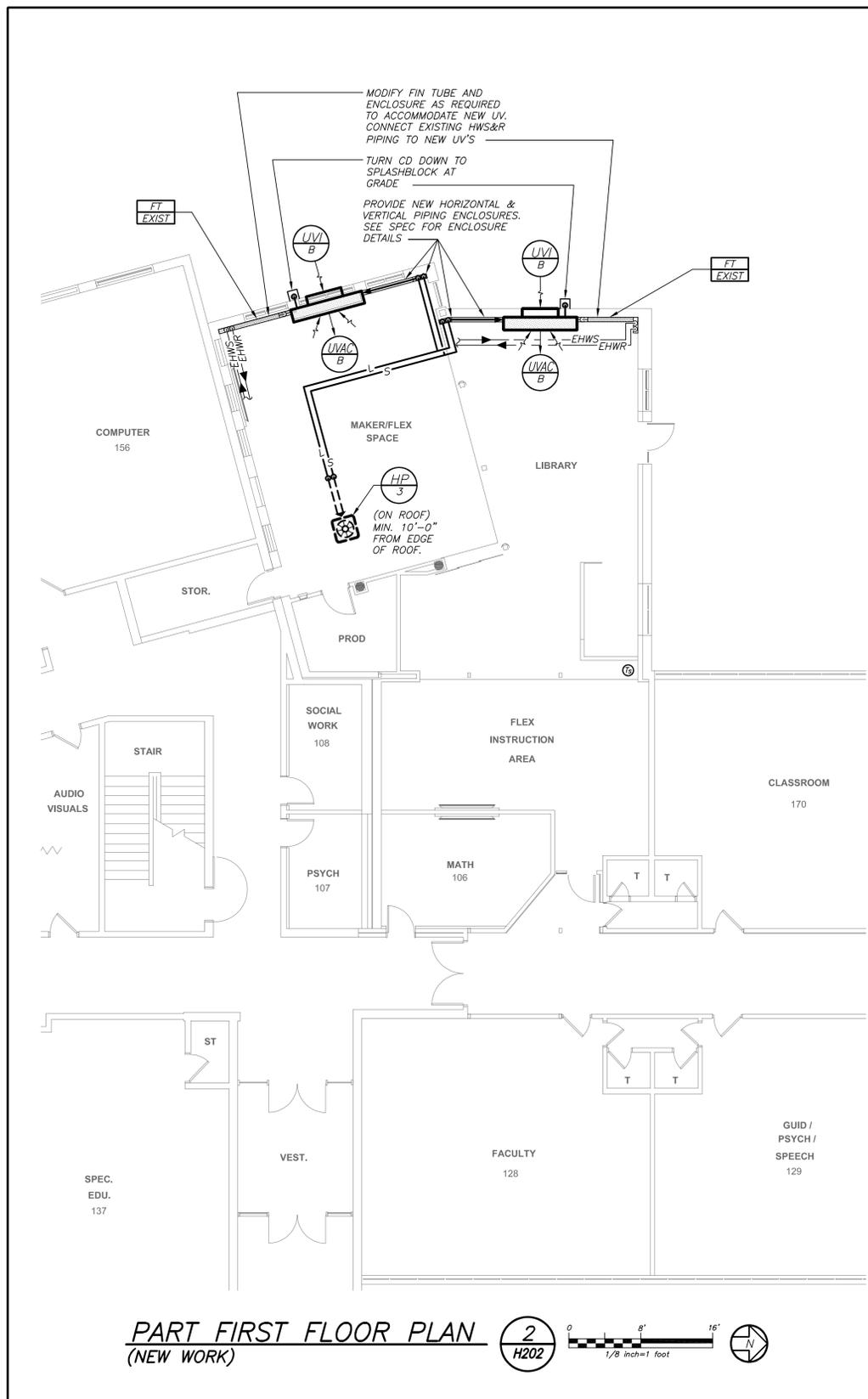
Professional Seal

No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

LIBERTY ES PART  
FIRST FLOOR PLANS  
(NEW WORK)

Job No.	2021-1055	Date	11/06/2023
Scale	AS NOTED	Drawn / Checked	BGA / BGA

Sheet Number  
**H202**



**VRF SYSTEM:**  
THE CONTRACTOR SHALL RETAIN THE SERVICES OF THE MANUFACTURER'S REPRESENTATIVE FOR PURPOSES OF PROVIDING REFRIGERANT PIPING SIZING. CONTRACTOR SHALL PROVIDE PIPING FROM RESPECTIVE OUTDOOR UNIT TO EACH NEW INDOOR UNIT, FOR A COMPLETE AND OPERABLE SYSTEM.

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS



**KEY PLAN**

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAETER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGAD) AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED IN OR SUCCESS TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF (KGAD).

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 18, SECT. 865 (b) OF NEW YORK STATE LAW. COPYRIGHT KAETER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

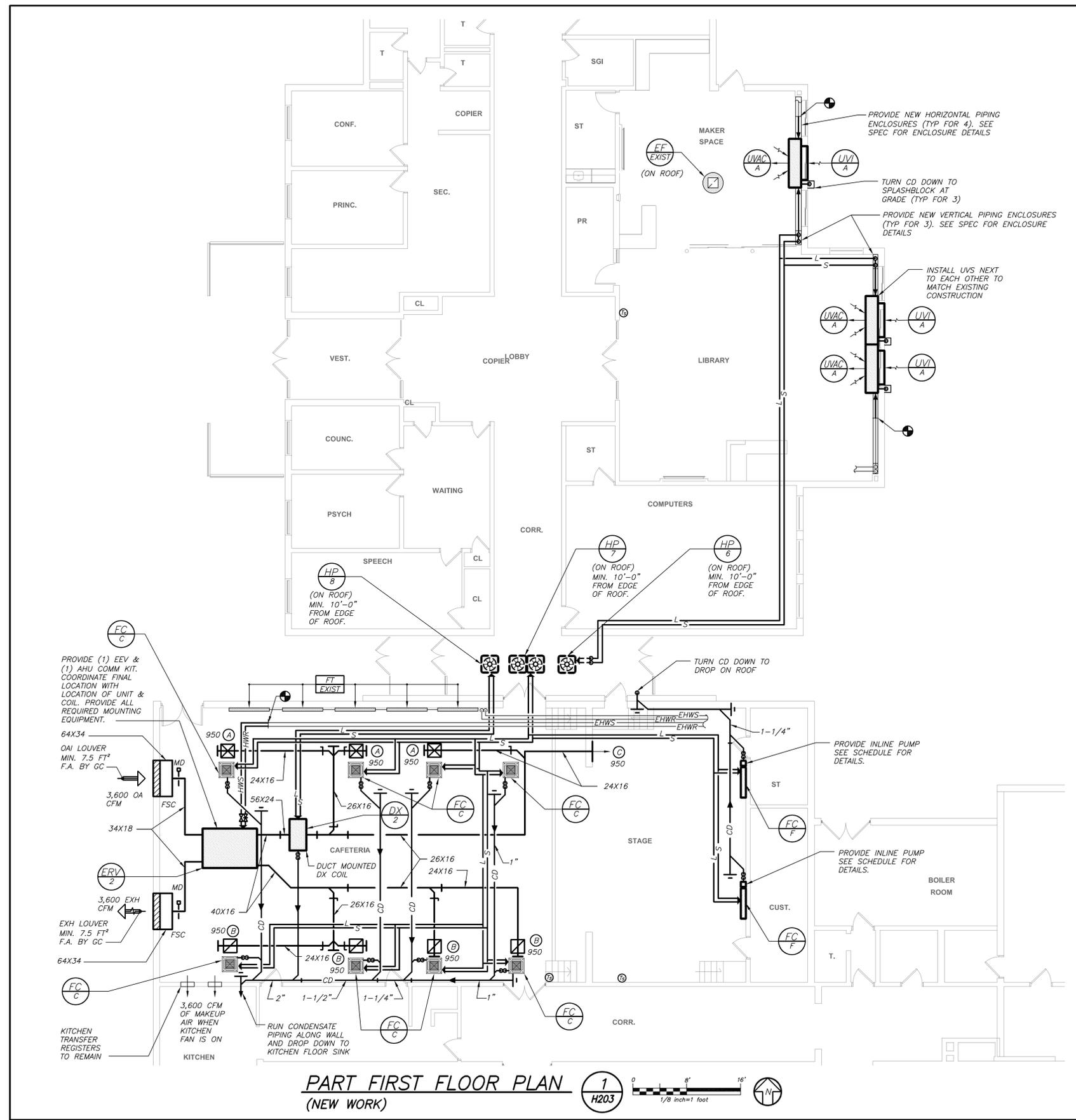
Professional Seal

No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

Sheet Title  
**VALLEY COTTAGE ES  
PART FIRST FLOOR  
PLAN  
(NEW WORK)**

Job No.	2021-1055	Date	11/06/2023
Scale	AS NOTED	Drawn / Checked	BGA / BGA

Sheet Number  
**H203**



**PART FIRST FLOOR PLAN  
(NEW WORK)**



**VRF SYSTEM:**  
THE CONTRACTOR SHALL RETAIN THE SERVICES OF THE MANUFACTURER'S REPRESENTATIVE FOR PURPOSES OF PROVIDING REFRIGERANT PIPING SIZING. CONTRACTOR SHALL PROVIDE PIPING FROM RESPECTIVE OUTDOOR UNIT TO EACH NEW INDOOR UNIT, FOR A COMPLETE AND OPERABLE SYSTEM.

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS

NYACK UNION FREE  
SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



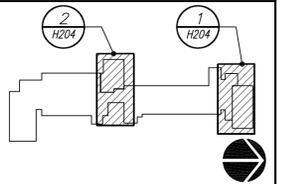
KG+D ARCHITECTS, PC  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P: 914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

CONSTRUCTION DOCUMENTS



BARILE GALLAGHER & ASSOCIATES  
CONSULTING ENGINEERS  
30 MARBLE AVE. PLASANTVILLE, NY 10579  
PHONE: 914.326.8990 FAX: 914.326.8704 GGD@BGA-Eng.com



KEY PLAN

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEBER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 18, SECT. 1805 (b) OF NEW YORK STATE LAW.  
COPYRIGHT KAEBER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

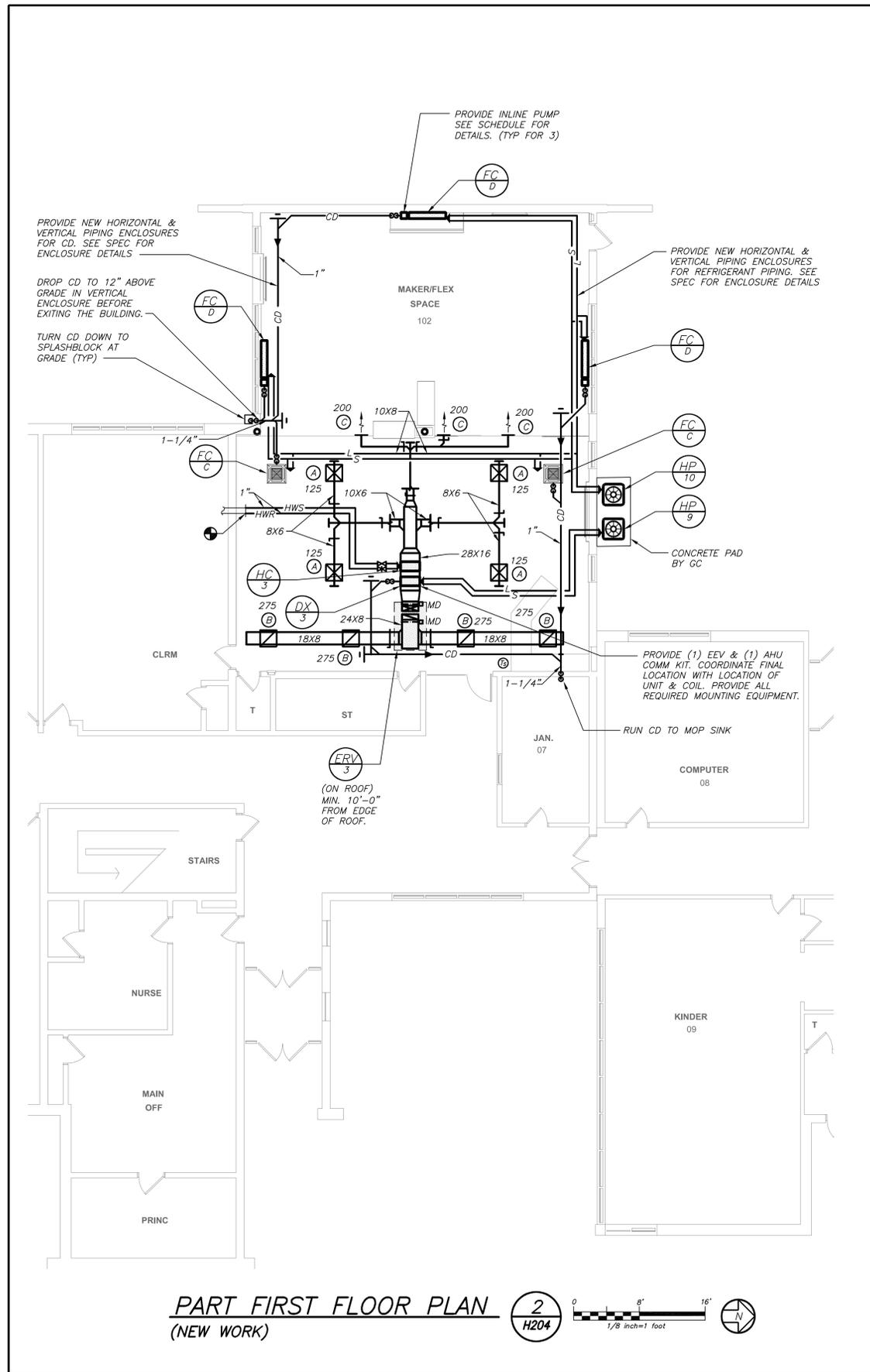
Professional Seal

No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

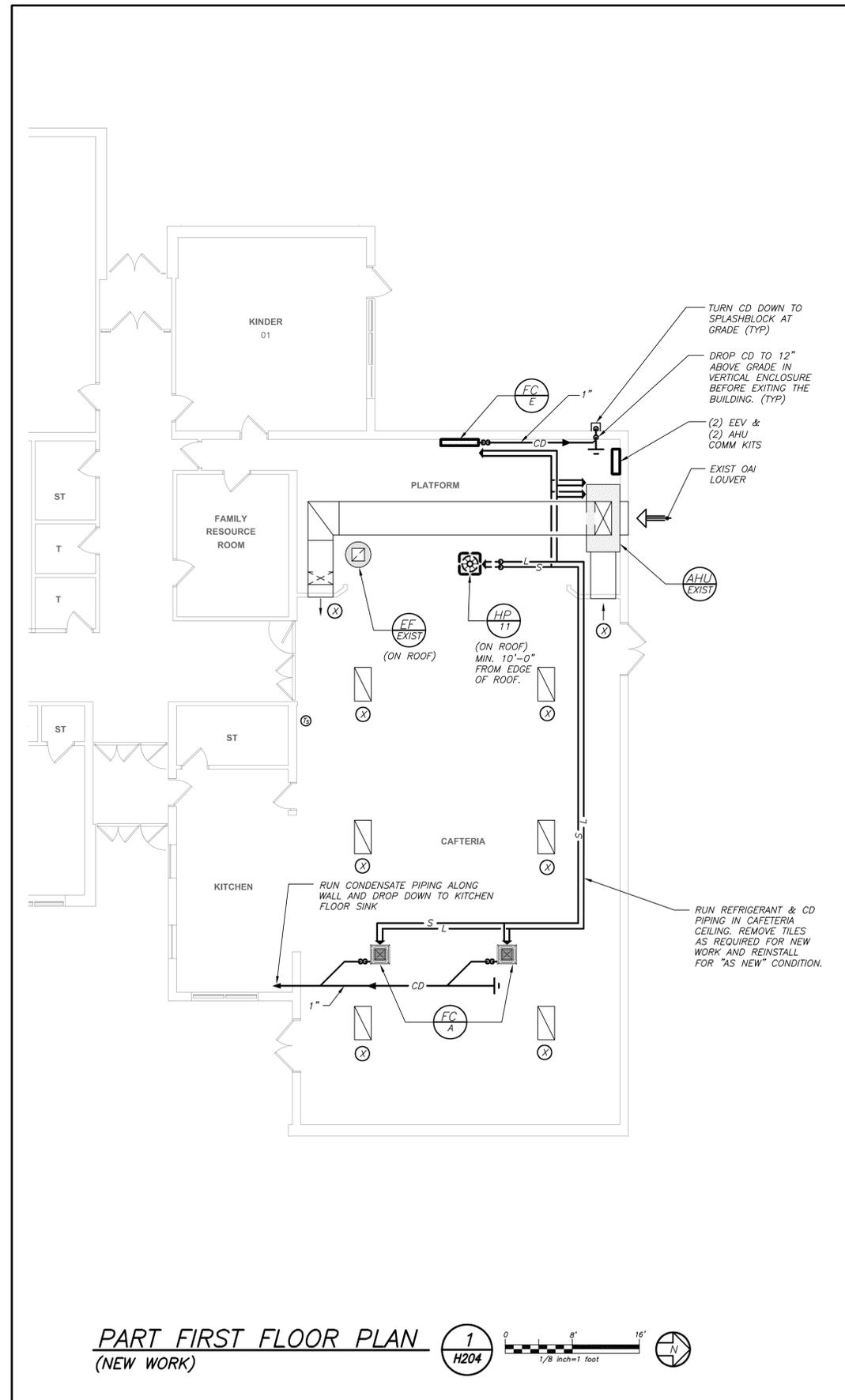
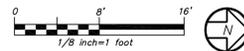
UPPER NYACK ES  
PART FIRST FLOOR  
PLANS  
(NEW WORK)

Job No.	2021-1055	Date	11/06/2023
Scale	AS NOTED	Drawn / Checked	BGA / BGA

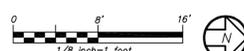
Sheet Number  
**H204**



**PART FIRST FLOOR PLAN** (NEW WORK) **2** H204



**PART FIRST FLOOR PLAN** (NEW WORK) **1** H204



**VRF SYSTEM:**  
THE CONTRACTOR SHALL RETAIN THE SERVICES OF THE MANUFACTURER'S REPRESENTATIVE FOR PURPOSES OF PROVIDING REFRIGERANT PIPING SIZING. CONTRACTOR SHALL PROVIDE PIPING FROM RESPECTIVE OUTDOOR UNIT TO EACH NEW INDOOR UNIT, FOR A COMPLETE AND OPERABLE SYSTEM.

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS

NYACK UNION FREE  
SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P: 914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY: 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK: 50-03-04-03-0-007-023

CONSTRUCTION DOCUMENTS



**BARILE GALLAGHER & ASSOCIATES**  
CONSULTING ENGINEERS  
39 MARBLE AVENUE, PLEASANTVILLE, NY 10576  
PHONE: 914.326.8990 FAX: 914.326.8004 GMAIL: BGA.Engineers

KEY PLAN

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEBER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED IN OR SUCCESSIVE TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 18, SECT. 185 (b) OF NEW YORK STATE LAW.  
COPYRIGHT KAEBER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

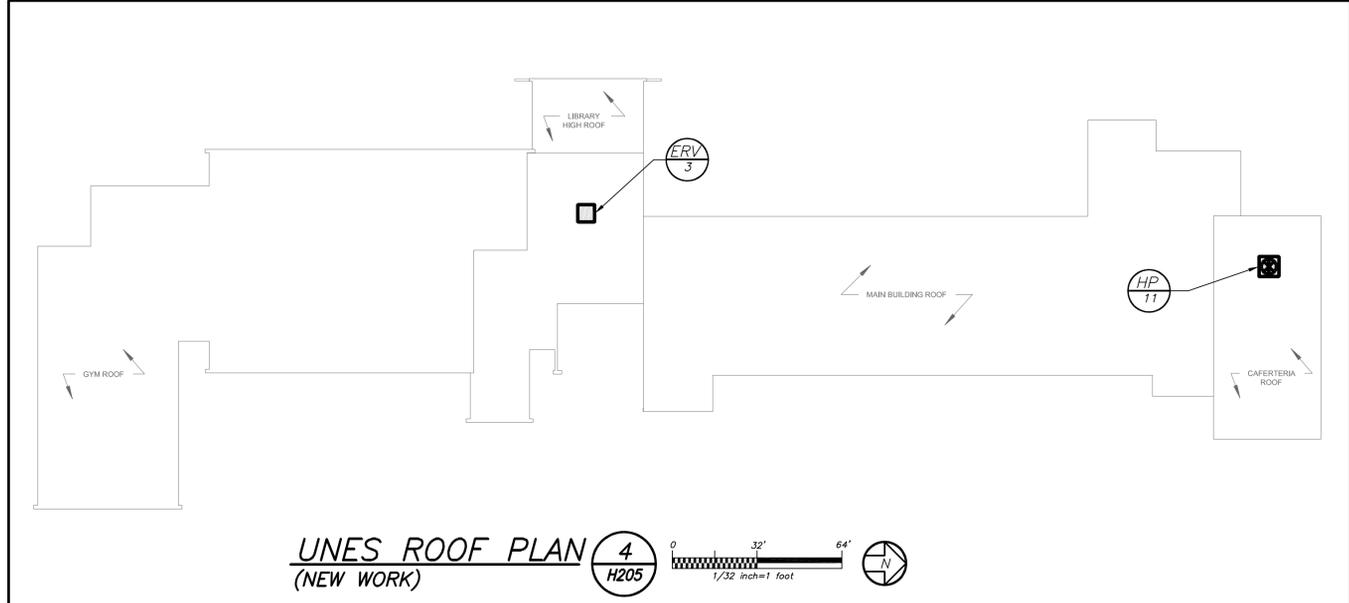
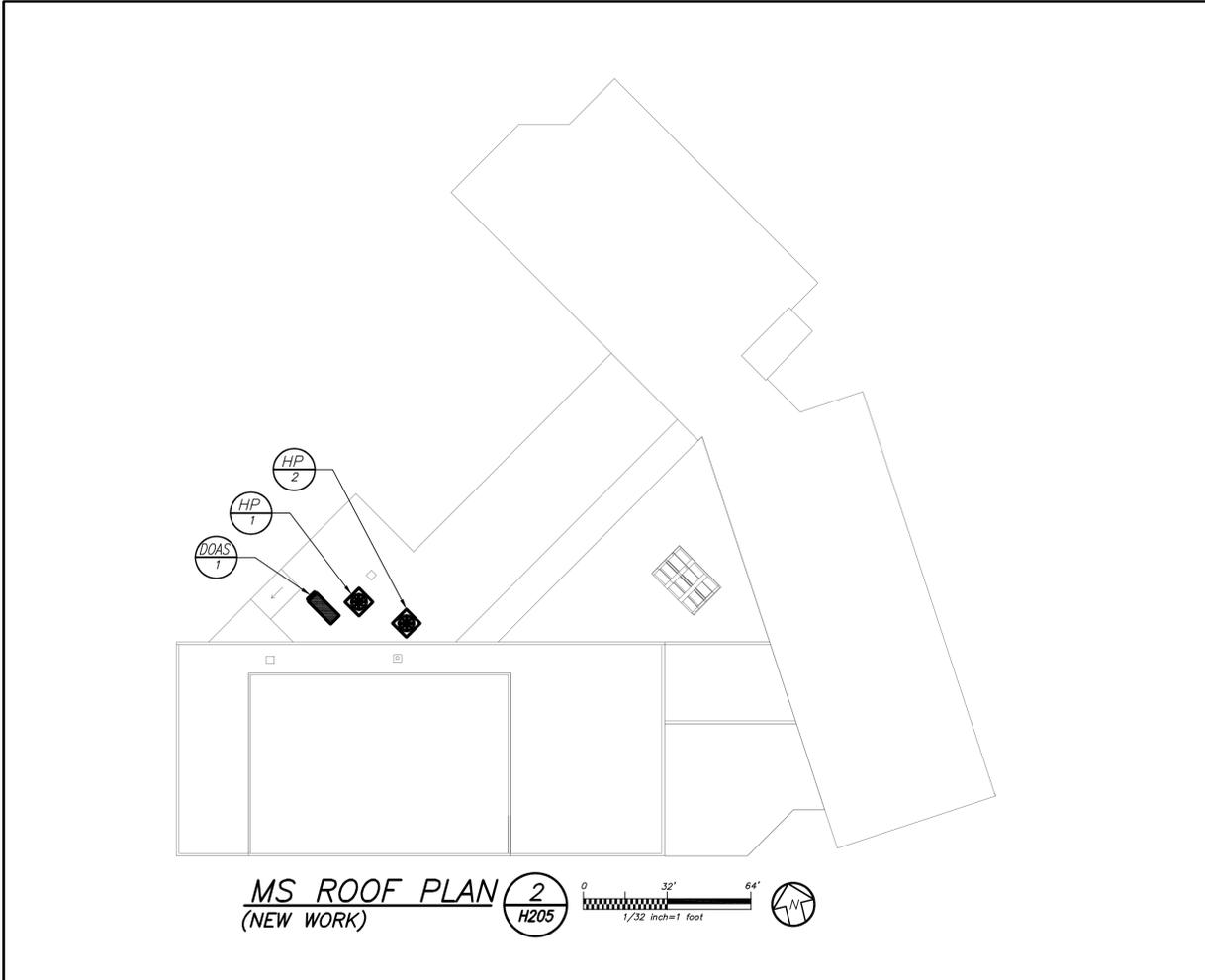
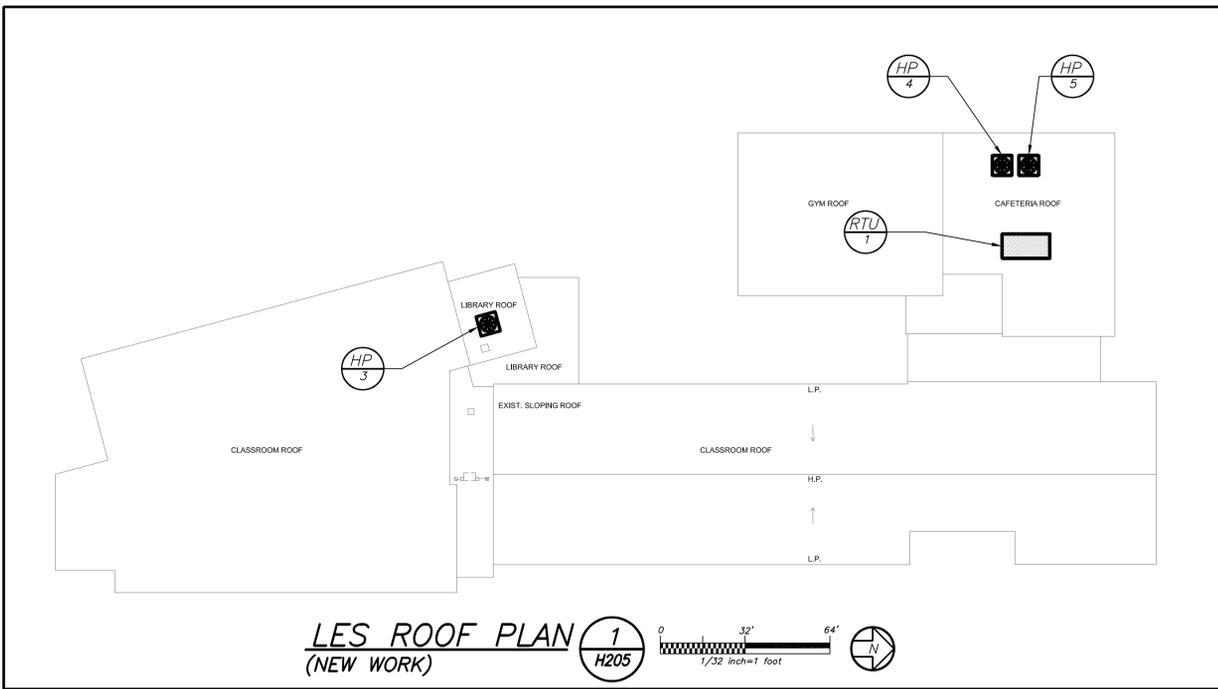
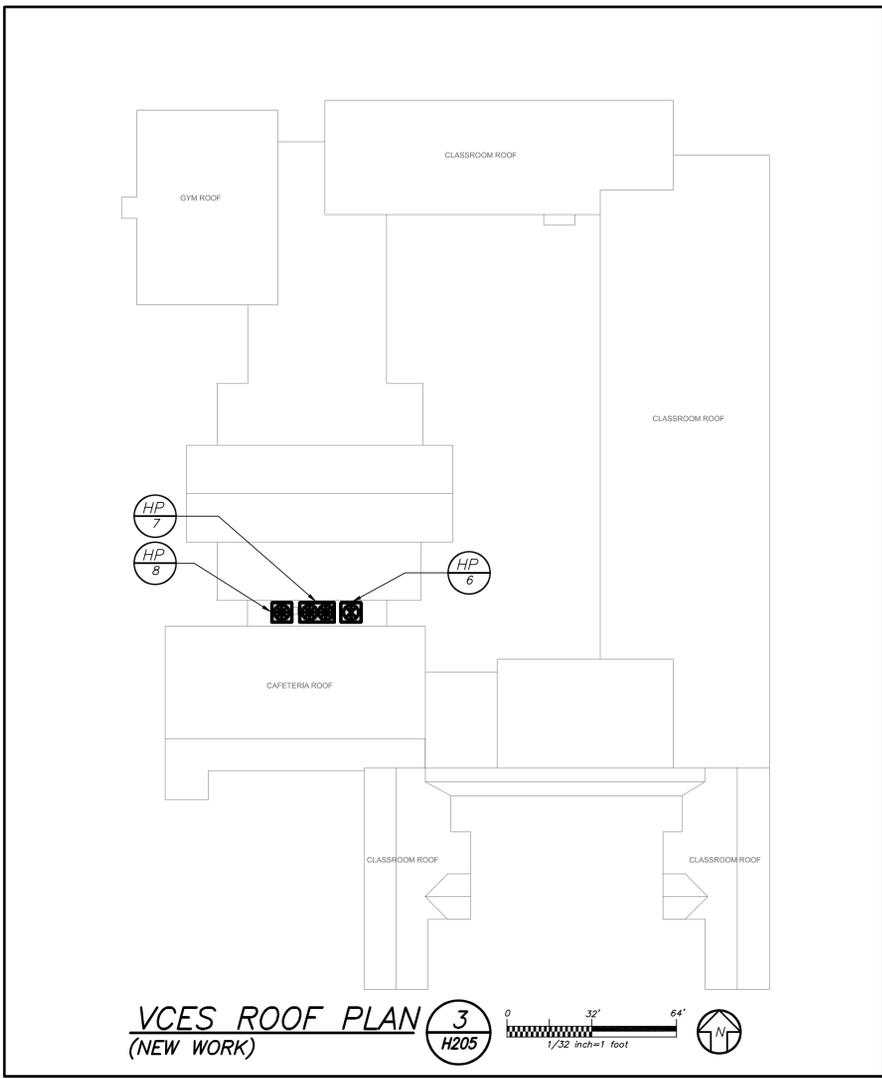
Professional Seal

No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

Sheet Title  
**ROOF PLANS  
(NEW WORK)**

Job No.	2021-1055	Date	11/06/2023
Scale	AS NOTED	Drawn / Checked	BGA / BGA

Sheet Number  
**H205**



**ROOF NOTES:**  
THE CONTRACTOR SHALL TAKE THE NECESSARY MEASURES TOWARDS ROOF WARRANTY (ROOF WARRANTY MUST NOT BE VOIDED). REFER TO THE ARCHITECTURAL DRAWINGS FOR FURTHER DETAILS.

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

## SCHEDULE OF PACKAGED ROOFTOP UNITS

																				ENERGY RECOVERY ACCESSORY														
GENERAL DATA					SUPPLY FAN DATA				RETURN DATA		HOT WATER HEATING COIL DATA				DX COOLING DATA			FILTER		ELECTRICAL DATA			GENERAL DATA		OUTSIDE AIR FAN DATA		EXHAUST AIR FAN DATA		ELECTRICAL DATA			PHYSICAL DATA	REMARKS	
MARK	SERVICE	LOCATION	MODEL No. ①		CFM	MOTOR HP	RPM	E.S.P. IN WG	CFM	E.S.P. IN WG	MARK	CAPACITY TOTAL MBH	VELOCITY F.P.M.	E.A.T. °F	L.A.T. °F	GPM	CAPACITY TOTAL MBH	EER/IEER	COMP FAN QTY	TYPE	MCA	MOP	ELECTRICAL SERVICE	MODEL No. ①	CFM	HP	CFM	HP	MCA	MOP	ELECTRICAL SERVICE	LxHxW(in.)/WGT (lbs)		
RTU 1	LIBERTY ES CAFETERIA	ROOF	CV18C0DV2S1CAT44E2		7000	8.63	1040	1.3	7000	0.6	HC 1	216	650	62	90	21.6	205	11	12.6	2	4" MERV 13	96.5	110	208/3/60	VPO2BA16L2AL81	2500	1.5	2500	3	18	25	208/3/60	206x50x89/2400	REFER TO ② ④ ⑤ ⑥ ⑦ ⑧

**NOTES:**  
 ① AS MANUFACTURED BY "TEMPMASTER".  
 ② INSTALL PER MANUFACTURER'S RECOMMENDATIONS.  
 ③ BASED ON ENTERING/LEAVING WATER TEMPERATURES HW 180/160'.  
 ④ DESIGN AIR CONDITIONS: SUMMER: OA (94°F/75°F) RA (75°F/65°F); WINTER: OA (5°F/3°F) RA (70°F/55°F).  
 ⑤ PROVIDE ROOFTOP UNIT WITH STAGED COOLING, MOTORIZED CONTROL DAMPERS, DAMPER END SWITCHES, 100% ENTHALPY ECONOMIZER CONTROLS, FROST PROTECTION, MODULATING HOT GAS REHEAT, DUCT MOUNTED HW COIL, DIRTY FILTER CONTACTS, HIGH STATIC BELT DRIVE BLOWER, DISCONNECT SWITCH, INTEGRAL VFD'S, POWERED CONVENIENCE OUTLET, PHASE PROTECTION, DRAIN PANS, HINGED ACCESS PANELS, AND BAGNET COMPATIBLE AUTOMATED CONTROLS.  
 ⑥ FURNISH 14" HIGH ROOF CURB FOR GC INSTALLATION.  
 ⑦ PROVIDE ENERGY RECOVERY VENTILATOR ACCESSORY WITH ENTHALPY WHEEL (AS NOTED), LOW AMBIENT KIT, MOTORIZED DAMPERS, AND PRESSURE SENSOR. ERV REQUIRES DUAL POINT POWER.  
 ⑧ INDICATED EQUIPMENT DESIGNATIONS ARE FOR USE IN CONSTRUCTION ONLY. CONTRACTOR SHALL COORDINATE WITH OWNER ON DESIRED FINAL TAG IDENTIFICATION/NUMBERING/LETTERING. OWNER APPROVED DESIGNATIONS SHALL BE USED IN BMS PROGRAMMING AND ON PERMANENT EQUIPMENT IDENTIFICATION TAGS. AS-BUILT DRAWINGS SHALL BE UPDATED WITH FINAL IDENTIFICATION TAG DESIGNATIONS.

## SCHEDULE OF ENERGY RECOVERY VENTILATORS

GENERAL DATA					SUPPLY FAN DATA			RETURN-EXH. FAN DATA			ELECTRICAL DATA			HEAT EXCHANGER		HOT WATER HEATING DATA				DX COIL DATA			FILTER	PHYSICAL DATA	REMARKS	
MARK	SERVICE	LOCATION	OAI	MODEL No. ①	CFM	MOTOR WATTS	E.S.P. IN WG	CFM	MOTOR WATTS	E.S.P. IN WG	MCA	MOP	ELECTRICAL SERVICE	MODEL	THERMAL EFFICIENCY (%)	MARK	CAPACITY (MBH)	E.A.T. °F	L.A.T. °F	GPM	MARK	TOTAL CAPACITY MBH	SENSIBLE CAPACITY MBH	TYPE	LxHxW(in.)/WEIGHT(lbs)	
ERV 1	LIBERTY ES MUSIC	CEILING	400	FR800HW	400	530	1.3	400	530	0.5	5.9	15	208/3/60	HEAT WHEEL	75	N/A	27	10	70	2.7	DX 1	9	-	2" MERV 13	68x47x22/424	REFER TO ② ④ ⑥
ERV 2	VALLEY COTTAGE CAFETERIA	CEILING	3600	FR3800HW	3600	6200	1.3	3600	6200	1.0	20.3	25	208/3/60	HEAT WHEEL	75	N/A	238	10	70	23.8	DX 2	80	-	2" MERV 13	97x70x34/948	REFER TO ② ④ ⑥
ERV 3	UPPER NYACK LIBRARY	ROOF	1100	1300RT-EC	1100	500	1.3	1100	500	0.8	6.5	15	208/1/60	HEAT WHEEL	69	HC 3	73	10	70	7.3	DX 3	24	-	2" MERV 13	70x48x41/500	REFER TO ② ⑤ ⑥

**NOTES:**  
 ① AS MANUFACTURED BY "SYSTEMAIR".  
 ② INSTALL PER MANUFACTURER'S RECOMMENDATIONS.  
 ③ BASED ON ENTERING/LEAVING WATER TEMPERATURES HW 180/160'.  
 ④ PROVIDE UNIT WITH MERV 13 FILTERS, INTEGRAL HIGH CAPACITY HW COIL, DUCT MOUNTED DX COIL WITH DRAIN PAN, SPRING VIBRATION ISOLATORS, ECM MOTORS, 100% ECONOMIZER, DRY CONTACTS FOR DIRTY FILTER INDICATOR, FROST CONTROL, PHASE PROTECTION, DISCONNECT SWITCH, BAGNET COMPATIBLE AUTOMATED CONTROLS, AND MOTORIZED DAMPERS FOR OA, EA & ECONOMIZER FUNCTION.  
 ⑤ PROVIDE UNIT WITH MERV 13 FILTERS, DUCT MOUNTED HW COIL & DX COIL WITH DRAIN PAN, NEOPRENE VIBRATION ISOLATOR PADS, ECM MOTORS, 100% ECONOMIZER, DRY CONTACTS FOR DIRTY FILTER INDICATOR, FROST CONTROL, DISCONNECT SWITCH, BAGNET COMPATIBLE AUTOMATED CONTROLS, AND MOTORIZED DAMPERS FOR OA, EA & ECONOMIZER FUNCTION. FURNISH 18" HIGH ROOF CURB FOR GC INSTALLATION.  
 ⑥ INDICATED EQUIPMENT DESIGNATIONS ARE FOR USE IN CONSTRUCTION ONLY. CONTRACTOR SHALL COORDINATE WITH OWNER ON DESIRED FINAL TAG IDENTIFICATION/NUMBERING/LETTERING. OWNER APPROVED DESIGNATIONS SHALL BE USED IN BMS PROGRAMMING AND ON PERMANENT EQUIPMENT IDENTIFICATION TAGS. AS-BUILT DRAWINGS SHALL BE UPDATED WITH FINAL IDENTIFICATION TAG DESIGNATIONS.

## SCHEDULE OF SPLIT DOAS UNITS

GENERAL DATA					SUPPLY FAN DATA			RETURN-EXH. FAN DATA			ELECTRICAL DATA			HEAT EXCHANGER		D/X HEATING DATA		DX COOLING DATA			PHYSICAL DATA	REMARKS	
MARK	SERVICE	LOCATION	OAI	MODEL No. ①	CFM	MOTOR WATTS	E.S.P. IN WG	CFM	MOTOR WATTS	E.S.P. IN WG	MCA	MOP	ELECTRICAL SERVICE	L.A.T. SUMMER DB°F / WB°F	L.A.T. WINTER DB°F / WB°F	CAPACITY (MBH)	E.A.T. °F	L.A.T. °F	CAPACITY (MBH)	E.A.T. °F	L.A.T. °F	LxHxW(in.)/WEIGHT(lbs)	
DOAS 1	MIDDLE SCHOOL CAFETERIA	ROOF	2850	ARND30UDBE4	2850	7500	2.0	2850	7500	2.0	24.8	35	208/3/60	79.3 / 66.8	56.3 / 44.7	135	42	85	127	95	75	148x55x64/2350	REFER TO ② ③ ④

**NOTES:**  
 ① AS MANUFACTURED BY "LG".  
 ② INSTALL PER MANUFACTURER'S RECOMMENDATIONS.  
 ③ PROVIDE UNIT WITH MERV 13 FILTERS, DUCT MOUNTED HW COIL, INTEGRAL DX AND REHEAT COIL, NEOPRENE PAD VIBRATION ISOLATOR PADS, ECM MOTORS, 100% ECONOMIZER, DRY CONTACTS FOR DIRTY FILTER INDICATOR, FROST CONTROL, PHASE PROTECTION, DISCONNECT SWITCH, BAGNET COMPATIBLE AUTOMATED CONTROLS, AND MOTORIZED DAMPERS FOR OA, EA & ECONOMIZER FUNCTION. PROVIDE 12" ROOF CURB FURNISHED TO GC FOR INSTALLATION.  
 ④ INDICATED EQUIPMENT DESIGNATIONS ARE FOR USE IN CONSTRUCTION ONLY. CONTRACTOR SHALL COORDINATE WITH OWNER ON DESIRED FINAL TAG IDENTIFICATION/NUMBERING/LETTERING. OWNER APPROVED DESIGNATIONS SHALL BE USED IN BMS PROGRAMMING AND ON PERMANENT EQUIPMENT IDENTIFICATION TAGS. AS-BUILT DRAWINGS SHALL BE UPDATED WITH FINAL IDENTIFICATION TAG DESIGNATIONS.

## NYACK PUBLIC SCHOOLS - LIBRARIES & CAFETERIAS SCHEDULE OF MINIMUM VENTILATION ROOM FLOW RATES

ROOM NAME/NUMBER	OCCUPANCY CATEGORY	A ROOM AREA (SQ.FT.)	B PEOPLE DENSITY (HP/1000 SQ.FT.) / # OF FIXTURES	C PEOPLE OUTDOOR AIR FLOW RATE (CFM/PERSON)	D AREA OUTDOOR AIR FLOW RATE IN BREATHING ZONE (CFM/SQ.FT.)	E EXHAUST AIR FLOW RATE (CFM/SQ.FT.)	F NUMBER OF PEOPLE (A*B)+1000*#P	G OUTDOOR AIR FLOW RATE WITHOUT ZONE EFFECTIVENESS FACTOR (F*C)+(A*D)=CFM	H ZONE AIR DISTRIBUTION EFFECTIVENESS FACTOR	I MINIMUM ROOM VENTILATION AIR FLOW RATE G+H=CFM	J MINIMUM EXHAUST AIR FLOW RATE A+E=CFM
<b>LIBERTY</b>											
Library/Maker/Flex 102	MEDIA CENTER	2072	25	10	0.12	0	52	769	0.8	961	0
Cafeteria 105	CAFETERIA/FAST-FOOD DINING	2119	100	7.5	0.18	0	212	1971	0.8	2464	0
Music	MUSIC/THEATRE/DANCE	627	35	10	0.06	0	22	258	0.8	322	0
<b>MIDDLE SCHOOL</b>											
Cafeteria 138	CAFETERIA/FAST-FOOD DINING	2304	100	7.5	0.18	0	231	2147	0.8	2684	0
<b>VALLEY COTTAGE</b>											
Library/Maker 101	MEDIA CENTER	2023	25	10	0.12	0	51	753	0.8	941	0
Cafeteria	CAFETERIA/FAST-FOOD DINING	2600	100	7.5	0.18	0	260	2418	0.8	3023	0
Stage	MUSIC/THEATRE/DANCE	950	35	10	0.06	0	34	397	0.8	496	0
<b>UPPER NYACK</b>											
Library 101	MEDIA CENTER	2311	25	10	0.12	0	58	857	0.8	1072	0

DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS

NYACK UNION FREE  
SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.668.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

CONSTRUCTION DOCUMENTS



**BARILE GALLAGHER & ASSOCIATES**  
CONSULTING ENGINEERS  
35 MARBLE AVE. PLASANTVILLE, NY 10579  
PHONE: 914.328.9990 FAX: 914.328.9704 GGD@BGA.COM

KEY PLAN

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEBER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR SUCCESSORS TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 18, SECT. 185 (b) OF NEW YORK STATE LAW. COPYRIGHT KAEBER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

Sheet Title

## SCHEDULES

Job No.	2021-1055	Date	11/06/2023
Scale	AS NOTED	Drawn / Checked	BGA / BGA

Sheet Number

# H301

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

### SCHEDULE OF OUTDOOR VRF HEAT PUMP UNITS

GENERAL DATA			CAPACITY	PHYSICAL DATA			ELECTRICAL SUPPLY			EFFICIENCY	REMARKS	
MARK	SERVICE	MODEL No. ①	COOL/HEAT (MBH)	UNIT WEIGHT (POUNDS)	D	W	H	SERVICE	MCA	MOP	EER/IEER	
HP-1	MIDDLE SCHOOL DOAS	ARUM144BTE5	144/162	666	30	49	67	208/3/60	51.1	70	12.1/23.0	REFER TO 2,3,4,5,6,7,8
HP-2	MIDDLE SCHOOL CAFETERIA VRF	ARUM168BTE5	168/189	666	30	49	67	208/3/60	53.6	70	11.7/25.4	REFER TO 2,3,4,5,6,7,8
HP-3	LIBERTY ES LIBRARY UV'S	ARUN096BTE5	96/108	534	30	49	67	208/3/60	28.5	40	14.4/33.00	REFER TO 2,3,4,5,6,7,8,9
HP-4	LIBERTY ES MUSIC ERU	ARUN024GSS4	24/27	176	16	38	33	208/1/60	19.6	30	12.2/15.8	REFER TO 2,3,4,5,6,7,8,9
HP-5	LIBERTY ES MUSIC VRF	ARUN024GSS4	24/27	176	16	38	33	208/1/60	19.6	30	12.2/15.8	REFER TO 2,3,4,5,6,7,8,9
HP-6	VALLEY COTTAGE LIBRARY UV'S	ARUM121BTE5	119/135	534	30	49	67	208/3/60	30.9	40	13.1/29.6	REFER TO 2,3,4,5,6,7,8,9
HP-7	VALLEY COTTAGE CAFETERIA VRF	ARUM288BTE5	288/324	1222	30	49	67	208/3/60	28.5/57.9	40/80	12.2/22.0	REFER TO 2,3,4,5,6,7,8,9
HP-8	VALLEY COTTAGE CAFETERIA ERU	ARUM121BTE5	119/135	534	30	49	67	208/3/60	30.9	40	12.5/24.6	REFER TO 2,3,4,5,6,7,8,9
HP-9	UPPER NYACK LIBRARY ERU	ARUN024GSS4	24/27	176	16	38	33	208/1/60	19.6	30	12.2/15.8	REFER TO 2,3,4,5,6,7,8,9
HP-10	UPPER NYACK LIBRARY VRF	ARUM121BTE5	119/135	534	30	49	67	208/3/60	30.9	40	13.1/29.6	REFER TO 2,3,4,5,6,7,8,9
HP-11	UPPER NYACK CAFETERIA	ARUM216BTE5	216/243	694	30	49	67	208/3/60	60.3	80	22.4/23.4	REFER TO 2,3,4,5,6,7,8,9

**NOTES:**

- AS MANUFACTURED BY "LG."
- BASED ON A.R.I. CERTIFIED COIL SELECTIONS; REFRIGERANT R-410A.
- INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE DC INVERTER COMPRESSOR SPEED CONTROL BASED ON SYSTEM LOAD.
- UNIT SHALL BE CONTROLLED VIA MANUFACTURER'S DDC NETWORK CONTROLLER TO INDOOR HARDWIRED CONTROLLER.
- PROVIDE PROGRAMMABLE THERMOSTAT, LOW AMBIENT CONTROL, HARD START, CRANKCASE HEATER, DISCONNECT SWITCH. THE VRF SYSTEM SHALL BE ABLE TO INTEGRATE WITH THE BUILDING MANAGEMENT SYSTEM VIA BACNET IP GATEWAY. THIS GATEWAY CONVERTS BETWEEN BACNET IP OR MODBUS TCP PROTOCOL, AND RS-485 LOOP (LG AIRCON PROTOCOL) ALLOWING THIRD PARTY CONTROL AND MONITORING OF THE LG A/C SYSTEM, OR LONWORKS GATEWAYS.
- PROVIDE NEOPRENE VIBRATION ISOLATION PADS. FURNISH RAILS FOR GC INSTALLATION.
- PROVIDE ELECTRONIC EXPANSION VALVE KIT AND AHU/ERU COMMUNICATION CONTROL KIT (ONE FOR EACH DX COIL PROVIDED). PROVIDE NEMA WEATHERPROOF ENCLOSURES FOR EEV KITS INSTALLED OUTDOORS. ALL UNITS MUST HAVE BACNET COMMUNICATIONS TIED INTO BMS SYSTEM CONTROLS. COMMUNICATION CONTROL KIT REQUIRES 208/1/60 POWER REQUIREMENTS. PROVIDE "PRVC2" OUTDOOR UNIT MULTI APPLICATION I/O MODULE. ATC CONTRACTOR TO CONTROL CONDENSING UNIT WITH 0-10 VDC SIGNAL.
- INDICATED EQUIPMENT DESIGNATIONS ARE FOR USE IN CONSTRUCTION ONLY. CONTRACTOR SHALL COORDINATE WITH OWNER ON DESIRED FINAL TAG IDENTIFICATION/NUMBERING/LETTERING. OWNER APPROVED DESIGNATIONS SHALL BE USED IN BMS PROGRAMMING AND ON PERMANENT EQUIPMENT IDENTIFICATION TAGS. AS-BUILT DRAWINGS SHALL BE UPDATED WITH FINAL IDENTIFICATION TAG DESIGNATIONS.

### DISTRICT WIDE AIR CONDITIONING CAFETERIAS & GLOBAL LEARNING COMMONS

NYACK UNION FREE SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

### CONSTRUCTION DOCUMENTS



**BARILE GALLAGHER & ASSOCIATES**  
CONSULTING ENGINEERS  
30 MARBLE AVE. PLASANTVILLE, NY 10576  
PHONE: 914.326.8900 FAX: 914.326.8004 Gcon@BGA-Eng.com

### KEY PLAN

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KEEFER GARMENT & DAVIDSON ARCHITECTS, PC (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR SUCCESSORS TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 16, SECT. 165 (b) OF NEW YORK STATE LAW. COPYRIGHT KEEFER GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

Sheet Title

### SCHEDULES

Job No.	2021-1055	Date	11/06/2023
Scale	AS NOTED	Drawn / Checked	BGA / BGA
Sheet Number	<b>H302</b>		

### SCHEDULE OF UNIT VENTILATORS

MARK	MODEL No. ①	CFM	MIN. O.A. CFM	HEATING DATA ②		COOLING DATA ③		FILTER TYPE	MOTOR H.P.	ELEC. SERV.	MOTOR FLA	MOTOR MCA	PHYSICAL DATA DIMENSION / WEIGHT	REMARKS
				CAPACITY MBH	ROWS	TOTAL CAPACITY MBH	SENSIBLE CAPACITY MBH							
VALV-A	MAUV1250	1250	350	59.7	2	35.6	23.5	THROWAWAY	1/2	208/1/60	3.3	4.1	86"Lx17"Dx30"H/605LBS	REFER TO 4,5,6
VALV-B	MAUV1500	1500	500	74.9	2	47.2	30.7	THROWAWAY	1/2	208/1/60	3.3	4.1	98"Lx17"Dx30"H/675LBS	REFER TO 4,5,6

**NOTES:**

- AS MANUFACTURED BY "MAGICAIRE".
- BASED ON ENTERING/LEAVING WATER TEMPERATURES HW 160/140°.
- BASED ON A.R.I. CERTIFIED COIL SELECTIONS; REFRIGERANT R-410A.
- INSTALL PER MANUFACTURER'S RECOMMENDATIONS
- UNIT SHALL INCLUDE HW HEATING COIL, DX COOLING COIL, INSULATED VALVE PACKAGE, WALL SLEEVE, EXTERIOR LOUVER (MODEL AEL-268-267-L, VERTICAL BLADES, FLANGED FRAME, LATTICE FACE) WITH BIRD SCREEN, DISCHARGE GRILLE WITH SCREEN, INSULATED OUTSIDE AIR DAMPER, FACE AND BYPASS DAMPER, ECM HIGH STATIC VARIABLE SPEED MOTOR, 2" MERV 13 FILTERS, DDC CONTROL PACKAGE, NIGHT SETBACK CONTROL RELAY, BACnet CONTROLLER. LH AND RH CONNECTIONS TO BE COORDINATED IN FIELD.
- LG EEV AND AHU COMMUNICATION KIT TO BE INSTALLED AND WIRED BY MANUFACTURER AT FACTORY.

### SCHEDULE OF REGISTERS AND DIFFUSERS

MARK	TYPE	SERVICE	MODEL No. ①	DIRECTION DISCHARGE	DAMPER TYPE	FINISH	TYPE	REMARKS
A	CEILING DIFFUSER	SUPPLY	ASCD	4-WAY	OPPOSED BLADE	PER ARCH.	SURFACE	REFER TO 2,3,4,5,6
B	CEILING REGISTER	RETURN	635	-	OPPOSED BLADE	PER ARCH.	SURFACE	REFER TO 2,3,4,5,7
C	SIDEWALL REGISTER	SUPPLY	620	2-WAY	OPPOSED BLADE	PER ARCH.	SURFACE	REFER TO 2,3,4,5,6

**NOTES:**

- AS MANUFACTURED BY "PRICE".
- INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- AIR OUTLETS TO BE OF ALUMINUM CONSTRUCTION
- PROVIDE MOUNTING FRAME COMPATIBLE W/ MOUNTING SURFACE. COORDINATE ALL BORDER TYPES, COLORS, FINISHES AND DIMENSIONS WITH ARCHITECT.
- PROVIDE CABLE OPERATED DAMPERS WHERE ACCESS IS OBSTRUCTED.

⑥ SUPPLY NECK SIZE PER CFM RANGE (NOT TO EXCEED 500 fpm)				⑦ RETURN NECK SIZE PER CFM RANGE (NOT TO EXCEED 675 fpm)			
50 TO 99	100 TO 299	300 TO 499	500 TO 799	800 TO 1199	1200 TO 1499	1500 TO 1999	2000 TO 2499
6x6	9x9	12x12	15x15	18x18	21x21	24x24	28x28

### SCHEDULE OF INDOOR VRF FAN COIL UNITS

INDOOR UNIT INFORMATION										
MARK	MODEL No. ①	SUPPLY FAN DATA			TOTAL CAPACITY COOLING/HEATING (MBH)	DIMENSION/WEIGHT			REMARKS	
		CFM HIGH	UNIT MCA	ELECTRIC SERVICE		W (IN.)	D (IN.)	H (IN.)		LBS
EC-4	ARNU073TRD4	265	0.25	208/1/60	12.3/13.6	25	25	10	49	REFER TO 2,3,4,5
EC-5	ARNU183TD4	396	0.25	208/1/60	19.1/21.5	25	25	10	51	REFER TO 2,3,4,5
EC-6	ARNU243TNA4	742	0.71	208/1/60	24.2/27.3	34	34	10	67	REFER TO 2,3,4,5
EC-7	ARNU243SKA4	537	0.65	208/1/60	24.2/25.6	37	9	14	36	REFER TO 2,3,4,5
EC-8	ARNU123SJA4	300	0.31	208/1/60	12.3/13.6	33	8	13	25	REFER TO 2,3,4,5
EC-9	ARNU303SVA4	812	0.64	208/1/60	30.0/32.0	47	11	14	48	REFER TO 2,3,4,5

**NOTES:**

- AS MANUFACTURED BY "LG".
- INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- BASED ON A.R.I. CERTIFIED COIL SELECTIONS; REFRIGERANT R-410A.
- PROVIDE FACTORY MOUNTED INTEGRAL CONDENSATE PUMP, CHECK VALVE, ANTI SWEAT SLEEVE AND AUTO SHUTDOWN OVERFLOW SWITCH.
- PROVIDE MOUNTING HARDWARE, VIBRATION ISOLATORS, DISCONNECT AND HARDWIRED REMOTE WALL MOUNTED CONTROLLER/THERMOSTAT. THE VRF SYSTEM SHALL BE ABLE TO INTEGRATE WITH THE BUILDING MANAGEMENT SYSTEM VIA BACNET IP GATEWAY. THIS GATEWAY CONVERTS BETWEEN BACNET IP OR MODBUS TCP PROTOCOL, AND RS-485 LOOP (LG AIRCON PROTOCOL) ALLOWING THIRD PARTY CONTROL AND MONITORING OF THE LG A/C SYSTEM, OR LONWORKS GATEWAYS.
- PROVIDE UNIT WITH INLINE CONDENSATE PUMP WITH ASSOCIATED PIPING COVER KIT, LITTLE GIANT MODEL EC-1K-DV (120V/18WATTS) AND REMOTE HARDWIRED THERMOSTAT WITH RELAY TIED INTO BMS CONTROLS

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

Sheet Title

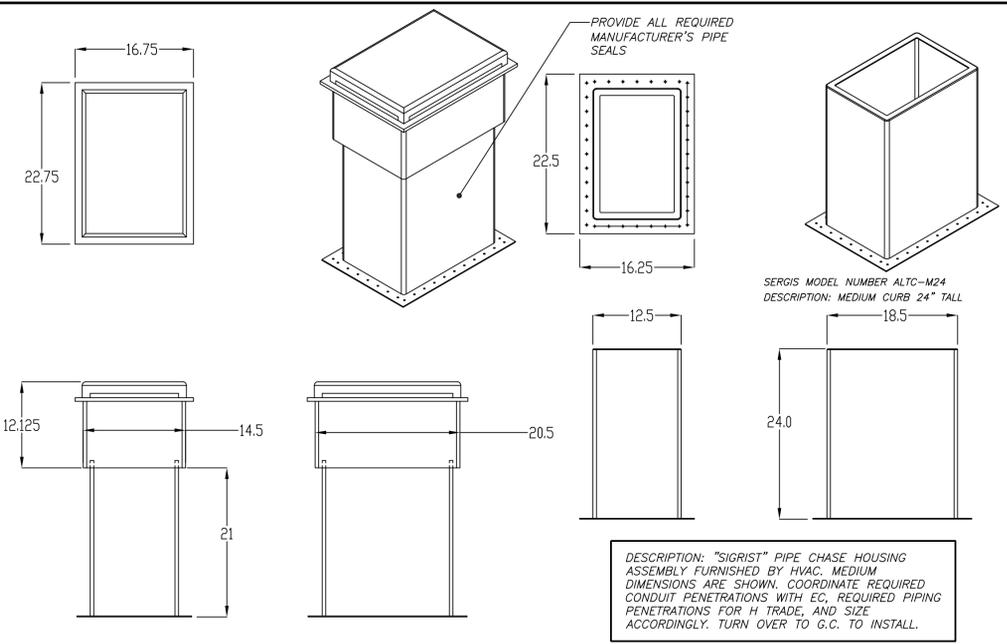
**DETAILS**

Job No. 2021-1055 Date 11/06/2023

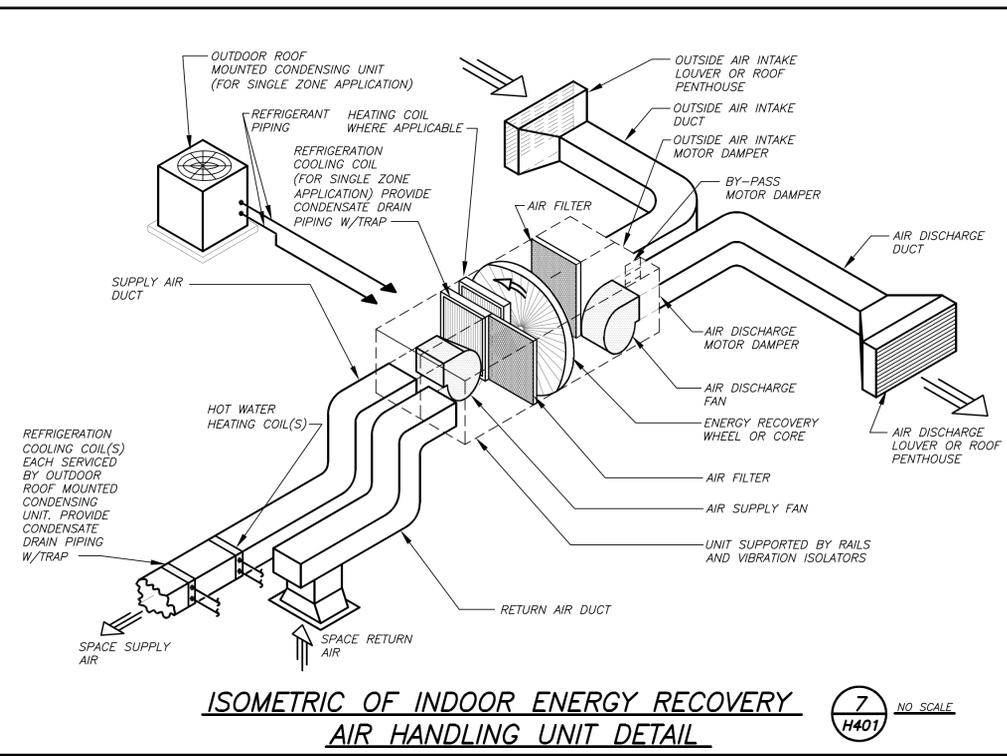
Scale AS NOTED Drawn / Checked BGA / BGA

Sheet Number

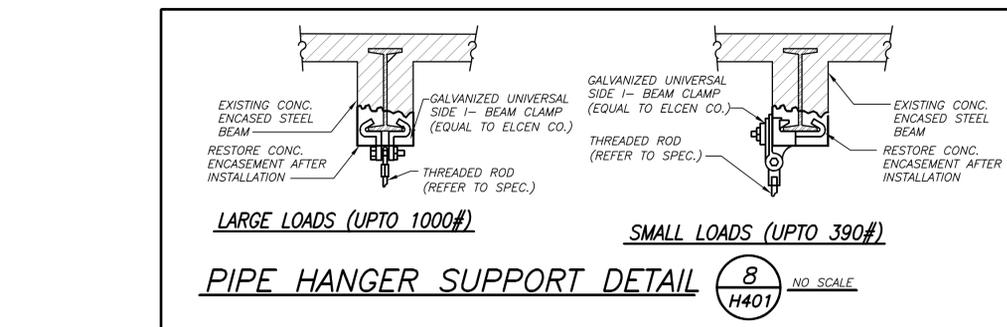
**H401**



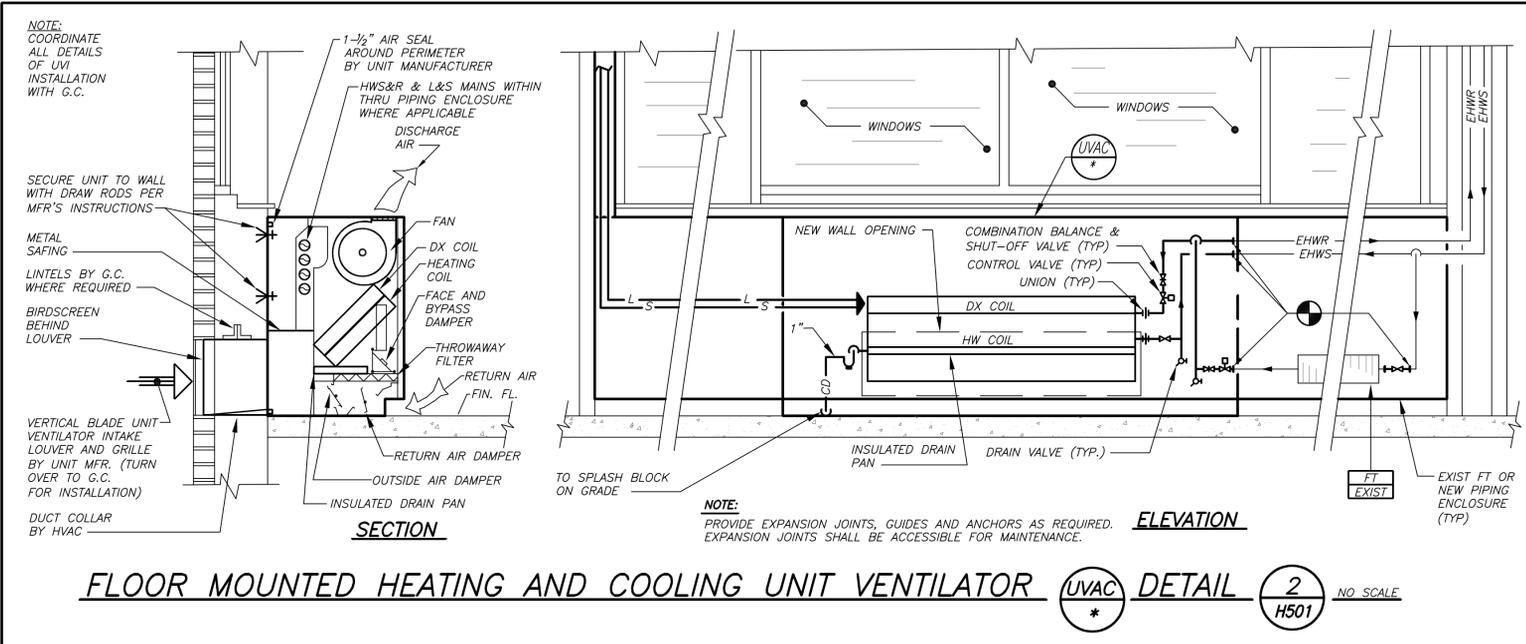
**PIPING ROOF PORTAL DETAIL (6) H401**



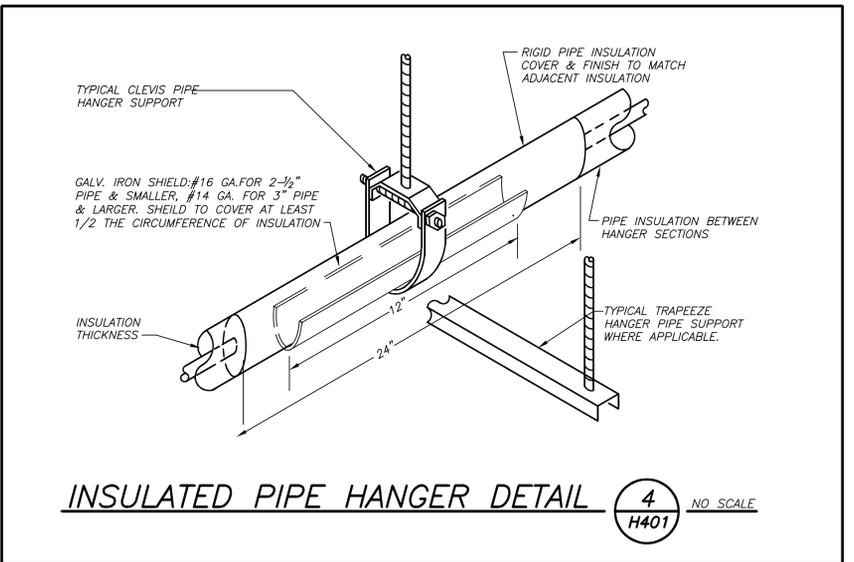
**ISOMETRIC OF INDOOR ENERGY RECOVERY AIR HANDLING UNIT DETAIL (7) H401**



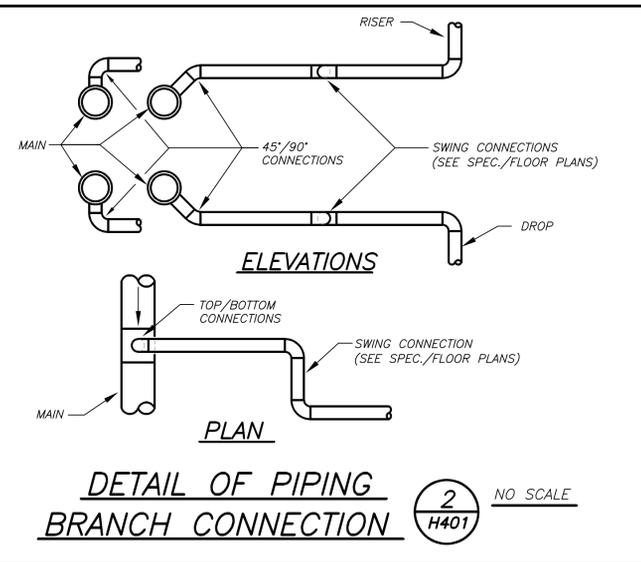
**PIPE HANGER SUPPORT DETAIL (8) H401**



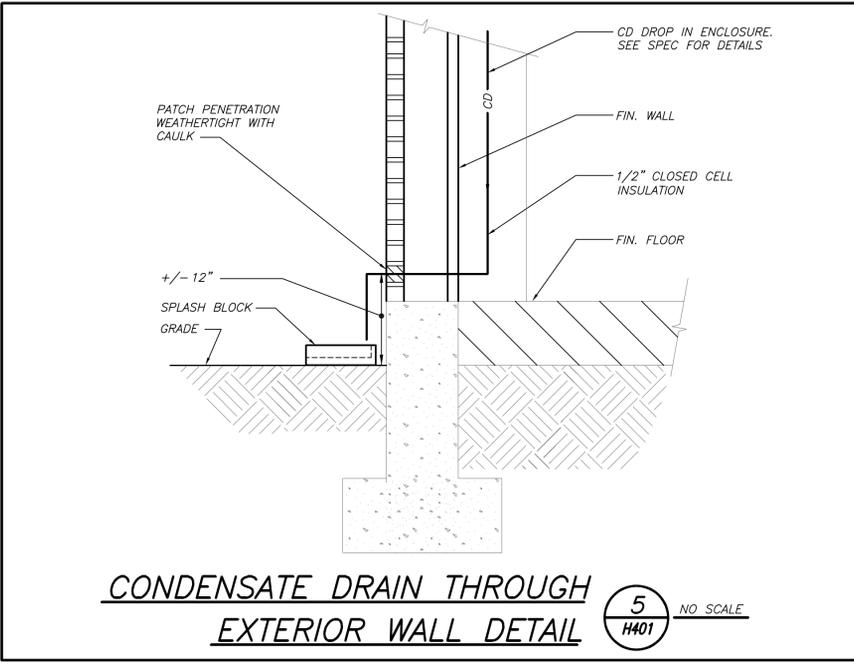
**FLOOR MOUNTED HEATING AND COOLING UNIT VENTILATOR (UVC) DETAIL (2) H501**



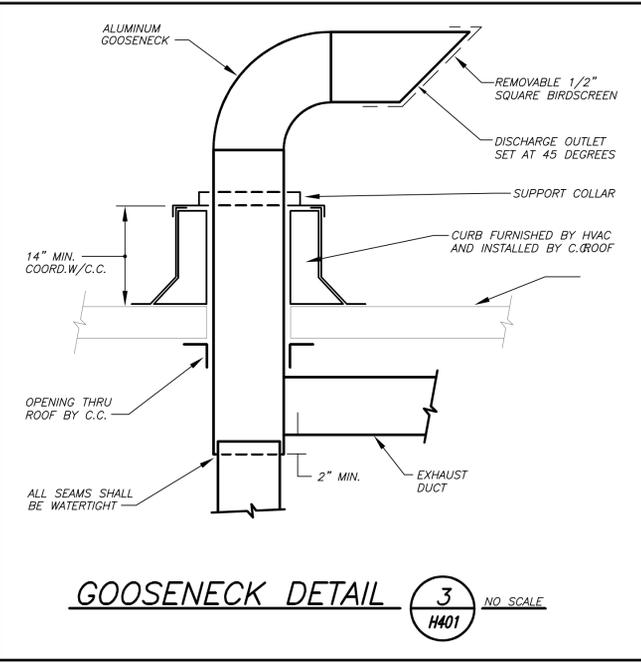
**INSULATED PIPE HANGER DETAIL (4) H401**



**DETAIL OF PIPING BRANCH CONNECTION (2) H401**



**CONDENSATE DRAIN THROUGH EXTERIOR WALL DETAIL (5) H401**



**GOOSENECK DETAIL (3) H401**

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

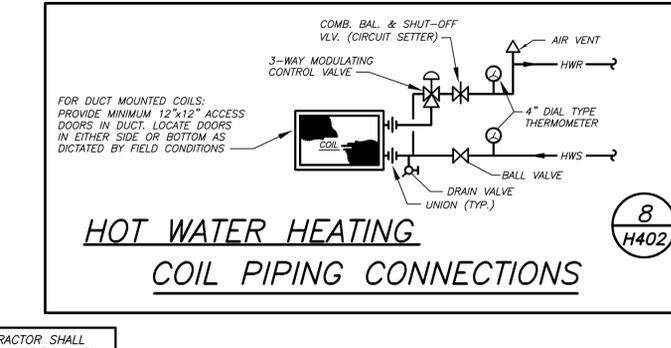
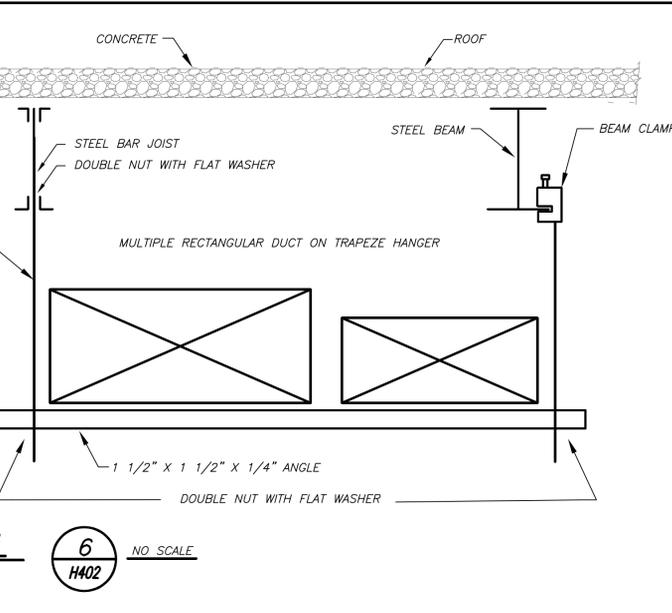
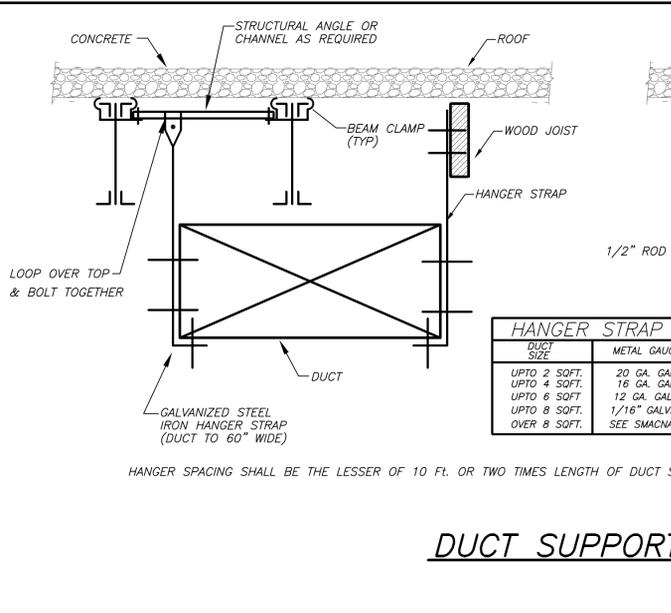
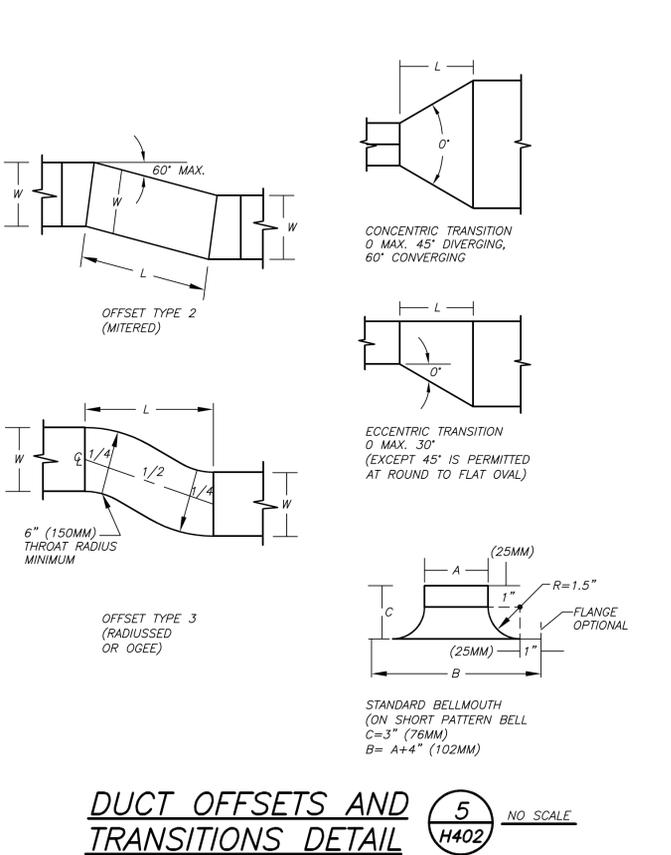
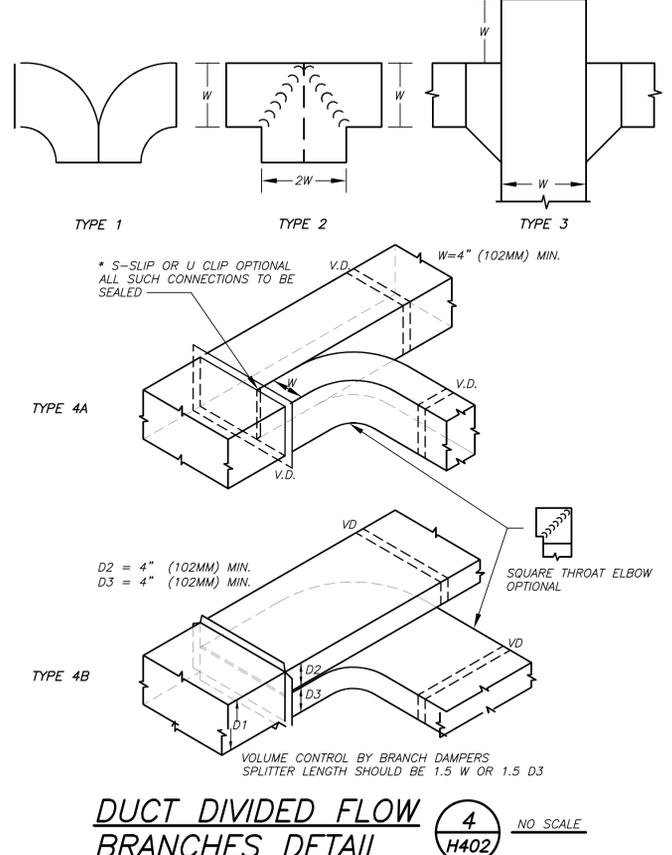
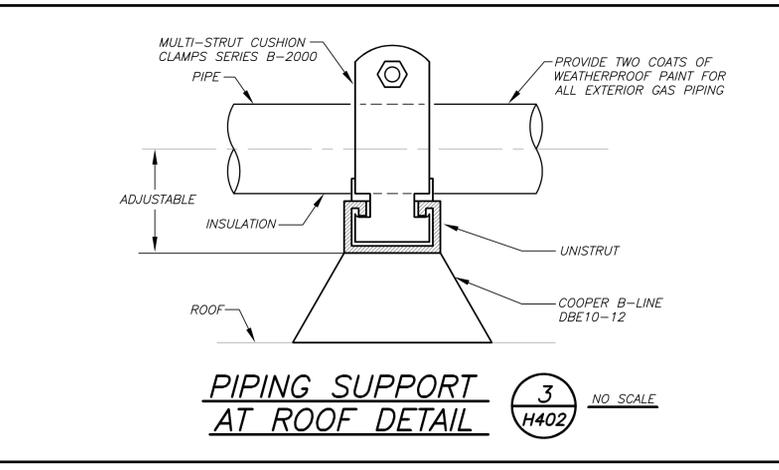
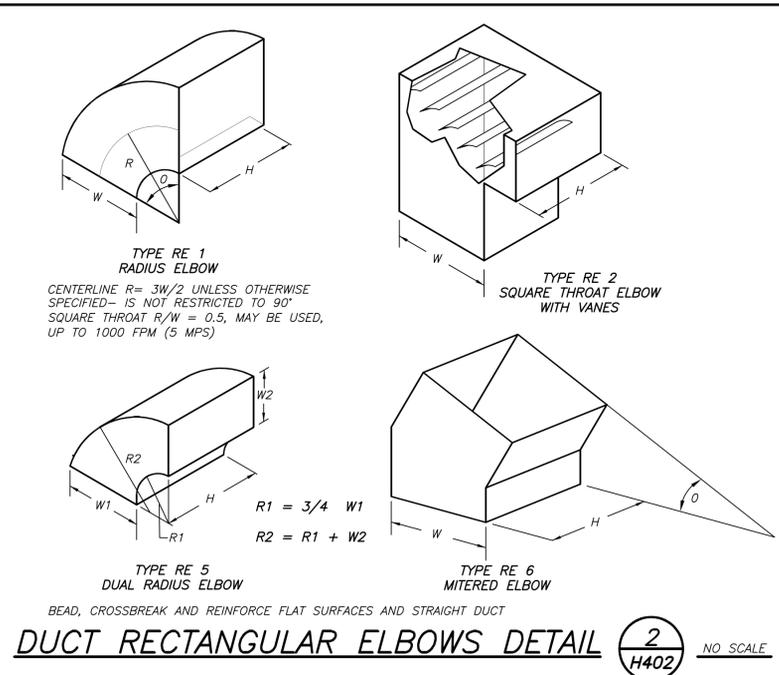
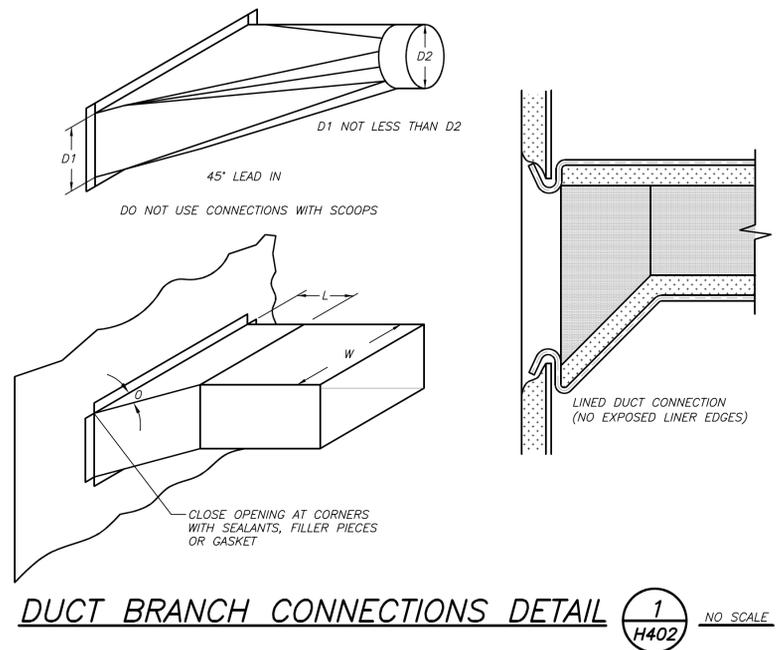
DETAILS

Job No.	Date
2021-1055	11/06/2023

Scale	Drawn / Checked
AS NOTED	BGA / BGA

Sheet Number

**H402**



## GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. CONTRACTOR SHALL FURNISH ALL NECESSARY OUTLETS, SUPPORTS, FITTINGS AND ACCESSORIES TO FULFILL APPLICABLE CODES, REGULATIONS, BUILDING STANDARDS AND THE BEST PRACTICES OF THE TRADE FOR FIRST CLASS ELECTRICAL INSTALLATION.
2. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALED DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND ELEVATION OF ALL ELECTRICAL EQUIPMENT SHALL BE COORDINATED IN FIELD WITH RESPECTIVE CONTRACTOR/OWNER.
3. WHERE PANELBOARDS, SWITCHES, CIRCUIT BREAKERS, ETC. ARE EXISTING AND TO BE REUSED THE CONTRACTOR SHALL CLEAN AND REFURBISH THE EQUIPMENT. THIS SHALL INCLUDE TIGHTENING ALL CONNECTIONS, REPLACING DEFECTIVE MECHANISMS AND PROVIDING ALL REQUIRED AND NECESSARY MISCELLANEOUS COMPONENTS SO THAT THE EQUIPMENT SHALL BE IN PERFECT WORKING ORDER.
4. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO SUBMISSION OF BID TO DETERMINE WHAT WORK MUST BE PERFORMED AFTER NORMAL BUSINESS HOURS. UNLESS OTHERWISE DIRECTED ANY NOISY WORK (CHOPPING, CORE DRILLING, HAMMERING, ETC.) AND BUILDING POWER INTERRUPTIONS SHALL BE PERFORMED OUTSIDE OF NORMAL BUSINESS HOURS. CONFIRM NORMAL BUSINESS HOURS WITH BUILDING OWNER. NO ADDITIONAL COST WILL BE CHARGED TO OWNER FOR WORK PERFORMED OUTSIDE NORMAL BUSINESS HOURS.
5. ALL WORK WHERE SHOWN WITH DARK/SOLID LINES ON THE DRAWINGS IS NEW UNLESS OTHERWISE NOTED. WHERE SHOWN WITH DASHED LINES WITH LETTER (E) IS EXISTING TO REMAIN, WITH LETTER (R) IS EXISTING TO BE REMOVED, WITH LETTER (ER) IS EXISTING RELOCATED, WITH LETTER (RN) IS EXISTING TO BE REPLACED WITH NEW AND WITH LETTER (RR) IS EXISTING TO BE REMOVED AND RELOCATED.
6. CIRCUIT NUMBERS TO EXISTING PANELS ARE SHOWN FOR INTENT ONLY. ACTUAL CIRCUIT NUMBERS TO BE USED SHALL BE AS PER FIELD CONDITIONS BY UTILIZING SPARE CIRCUITS, BREAKERS OR SPACES IN EXISTING PANEL, SIZE AS INDICATED ON THE PLANS. THE ELECTRICAL CONTRACTOR SHALL BALANCE LOAD OF CIRCUITS EVENLY ON ALL PHASES.
7. FEEDERS AND BRANCH CIRCUITRY SHALL BE RUN IN MINIMUM 3/4" CONDUIT UNLESS OTHERWISE NOTED. FINAL CONNECTIONS TO MOTORS MAY BE MADE WITH FLEXIBLE METALLIC CONDUIT (NO LONGER THAN 18"), IN UNFINISHED AREAS CONDUIT SHALL BE RUN EXPOSED AND IN FINISHED AREAS CONDUIT SHALL BE RUN CONCEALED.
8. PROVIDE PANEL NAME PLATE MADE OF BLACK LAMINATED PLASTIC WITH WHITE ENGRAVED LETTERING AND TYPE WRITTEN DIRECTORY FOR ALL NEW AND EXISTING PANELS BEING USED FOR THIS PROJECT.
9. ALL CONDUCTORS SHALL BE COPPER, TYPE THHN/THWN INSULATED. ALL CONDUCTORS SHALL HAVE 600 VOLT RATED INSULATION UNLESS OTHERWISE NOTED.
10. PROVIDE LOCK-ON CIRCUIT BREAKERS FOR CIRCUITS SERVING EXIT SIGN FIXTURES AND EMERGENCY BATTERY PACK FIXTURES.
11. REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHTING FIXTURES AND OTHER CEILING INSTALLED ITEMS.
12. EXACT LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO THE INSTALLATION.
13. WALL MOUNTED EQUIPMENT (SWITCHES, RECEPTACLES, ETC.) SHALL BE SURFACE MOUNTED IN UNFINISHED AREAS AND ON EXISTING CONCRETE BLOCK WALLS AND FLUSH MOUNTED IN NEW WALLS/PARTITIONS.
14. CONDUIT RUNS SHALL BE PARALLEL WITH OR AT RIGHT ANGLES TO WALLS AND CEILINGS. CONDUIT SHALL BE SUPPORTED BY APPROVED MEANS. SUPPORTS FOR HORIZONTAL RUNS OF CONDUIT SHALL NOT EXCEED SEVEN FEET ON CENTERS.
15. PROVIDE PULL BOXES, JUNCTION BOXES, CONDUIT ELBOWS AND OFFSETS TO SUIT FIELD CONDITIONS AND THE NATIONAL ELECTRICAL CODE.
16. CONTRACTOR SHALL COORDINATE WITH THE FIRE DEPARTMENT AND F.A. VENDOR BEFORE PROCEEDING WITH WORK INVOLVING FIRE ALARM SYSTEM.
17. ALL EMPTY CONDUIT SHALL BE PROVIDED WITH A DRAGWIRE.
18. THE MINIMUM WIRE SIZE FOR 120 VOLT BRANCH CIRCUITS SHALL BE NO. 12 AWG, EXCEPT OVER 100' IN LENGTH SHALL BE NO. 10 AWG.
19. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES (EX. CONNECTORS, ADAPTERS, BUSHINGS, CLAMPS, ETC.) TO FACILITATE COMPLETE INSTALLATION.
20. COORDINATE LOCATION OF ALL MECHANICAL EQUIPMENT WITH HVAC CONTRACTOR IN FIELD. FUSES FOR ALL MOTOR LOADS SHALL BE DUAL ELEMENT TIME DELAY TYPE.
21. ALL JUNCTION OR OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO COVER. PROVIDE ARCHITECT APPROVED ACCESS DOORS OR PLATES AS REQUIRED IN AREAS WHERE UNOBSTRUCTED ACCESS TO BOX OR OUTLET IS NOT POSSIBLE.
22. PRIOR TO ANY CHASING, CHOPPING OR CORE DRILLING BEING PERFORMED, THE CONTRACTOR SHALL FIELD INVESTIGATE CONDITIONS AND COORDINATE ALL WORK TO ENSURE THAT IT WILL BE IN HARMONY AND NOT AFFECT ANY EXISTING BUILDING SYSTEMS. THIS WORK MUST BE APPROVED BY BUILDING OWNER PRIOR TO PROCEEDING.
23. OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE RESISTANCE RATED WALLS, PARTITIONS, FLOORS OR CEILINGS SHALL BE FIRE STOPPED USING APPROVED METHODS. ALL SLEEVES MUST HAVE BUSHINGS. SEALANT SHALL BE 3 HOUR FIRE BARRIER #CP-25 (NO LESS THAN 3" THICK BACKED UP WITH MINERAL WOOL).
24. ALL PANELBOARD COVERS SHALL BE INSTALLED IN PLACE AT THE COMPLETION OF EACH DAYS WORK.
25. PREPARE 'AS-BUILT' DRAWINGS THAT REFLECT ACTUAL CONSTRUCTION AND SHOW DEVIATIONS FROM DESIGN DRAWING.

## GENERAL REMOVAL NOTES

1. BEFORE COMMENCING WORK, EXAMINE ALL ADJOINING AREAS THAT MAY BE AFFECTED BY REMOVAL. REPORT TO THE GENERAL CONTRACTOR ANY CONDITION THAT PREVENTS PERFORMANCE OF THE WORK.
2. BECOME THOROUGHLY FAMILIAR WITH EXISTING CONDITIONS WHERE CONNECTIONS MUST BE MADE, CHANGED OR ALTERED. THE INTENT OF THE WORK IS SHOWN ON THE DRAWINGS AND DESCRIBED HEREINAFTER AND NO CONSIDERATION WILL BE GRANTED BY REASON OF LACK OF FAMILIARITY ON THE PART OF THE CONTRACTOR WITH ACTUAL PHYSICAL CONDITIONS AT THE SITE. INSPECT EACH AND EVERY AREA AFFECTED BY THE ALTERATION OF THE SPACE BEFORE SUBMITTAL OF BID.
3. ALL CONDUCTORS AND CONDUIT ASSOCIATED WITH REMOVED ELECTRICAL EQUIPMENT SHALL BE REMOVED COMPLETELY BACK TO ITS SOURCE OF POWER AND DISCONNECTED.
4. ALL POWER CONDUCTORS, CONTROL WIRING AND CONDUIT ASSOCIATED WITH MECHANICAL EQUIPMENT SUCH AS FANS, AIR CONDITIONING UNITS, PUMPS, ETC. DESIGNATED FOR REMOVAL ON THE HVAC AND PLUMBING REMOVAL DRAWINGS SHALL BE REMOVED CLEAR BACK TO THE SOURCE OF POWER AND DISCONNECTED. ALL MOTOR STARTERS, DISCONNECT SWITCHES, CONTROL DEVICES, ETC. SHALL BE REMOVED. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
5. CIRCUIT BREAKERS AND/OR SWITCHES IN PANELBOARD(S) OR DISTRIBUTION BOARD(S) MADE SPARE DUE TO REMOVAL SHALL BE DESIGNATED AS SUCH ON THE PANEL SCHEDULE.
6. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO TRACE AND RELOCATE ALL EXISTING FEEDERS AND BRANCH CIRCUIT WIRING WHICH PASSES THROUGH THE REMOVAL AREA THAT SERVE EXISTING OCCUPIED SPACES TO REMAIN. COORDINATE WITH BUILDING MANAGER PRIOR TO ANY SHUTDOWNS OR DISRUPTIONS THAT MAY BE REQUIRED TO ACCOMPLISH THIS WORK.
7. DISPOSE OF ALL REMOVED EQUIPMENT, WHICH IS NOT INTENDED TO BE REUSED. PRIOR TO DISPOSAL, CONTACT BUILDING MANAGER TO DETERMINE IF ANY REMOVED EQUIPMENT IS DESIRED FOR STOCK.
8. EXISTING CIRCUIT BREAKERS IN PANEL(S) ARE TO BE RE-USED. ELECTRICAL CONTRACTOR TO DISCONNECT PANEL AND CIRCUIT BREAKERS WITH GREAT CARE TO ENSURE AGAINST DAMAGE. THIS CONTRACTOR SHALL PROVIDE NEW CIRCUIT BREAKERS AS REQUIRED. ALL NEW CIRCUIT BREAKERS INSTALLED INTO EXISTING PANELBOARDS SHALL BE UL LISTED FOR USE IN THE PANEL.
9. ALL FIRE ALARM DEVICES IN THE AREA OF WORK ARE EXISTING TO BE REMOVED UNLESS OTHERWISE NOTED.

## ABBREVIATIONS

ABBV.	DESCRIPTION
A	AMP/AMPERE
C	CONDUIT
C.B.	CIRCUIT BREAKER
CKT	CIRCUIT
(E)	EXISTING TO REMAIN
E.C.	ELECTRICAL CONTRACTOR
EXIST.	EXISTING
F.A.C.P.	FIRE ALARM CONTROL PANEL
GFI	GROUND FAULT INTERRUPTER
KV	KILOVOLT
KW	KILOWATT
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUGS ONLY
MTD	MOUNTED
NTS	NOT TO SCALE
PNL	PANEL
(R)	REMOVE EXISTING
RECPT	RECEPTACLE
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
W	WATT
WP	WEATHERPROOF

## LEGEND

	HOMERUN TO DESIGNATED PANEL, ARROWHEAD INDICATES SINGLE POLE CIRCUIT. HOMERUN SHALL CONSIST OF 2#12-3/4" U.O.N.
	HOMERUN TO DESIGNATED PANEL, NUMBERS IN PARENTHESIS INDICATE MULTIPLE CIRCUIT, I.E. 3-HOTS AND 1-GROUND U.O.N.
	EXISTING TO REMAIN
	NEW
	125V-2P-3W-20A GROUNDED TYPE, SPECIFICATION GRADE WALL MOUNTED COMBINATION USB CHARGER DUPLEX RECEPTACLE HUBBELL #USB20A5W.
	20A FLUSH WALL MOUNTED GROUND FAULT INTERRUPTING TYPE DUPLEX RECEPTACLE HUBBELL #GF5362.
	SURFACE MOUNTED EXISTING ELECTRICAL PANELBOARD.
	SURFACE MOUNTED NEW ELECTRICAL PANELBOARD.
	HEAVY DUTY TYPE DISCONNECT SWITCH WITH FINAL FLEXIBLE EQUIPMENT CONNECTION. 240 INDICATES VOLTAGE, 3 INDICATES NO. OF POLES, 60 INDICATES AMPERE RATING, NF INDICATES NON-FUSED(OR FUSE SIZE) U.O.N. REFER TO SPECIFICATION AND DRAWINGS FOR ENCLOSURE. 'WP' WHERE USED INDICATES WEATHERPROOF ENCLOSURE (NEMA 3R).
	THERMAL SWITCH, CUTLER-HAMMER MS SERIES MANUAL STARTERS SINGLE-PHASE 20AMP, 120V U.O.N. WHERE INDICATED WITH 'WP' PROVIDE WATERTIGHT ENCLOSURE TYPE 3.
	208 VOLT, SINGLE PHASE 2 POLE, THERMAL OVERLOAD PROTECTED TOGGLE TYPE SWITCH. SIMILAR TO EATON #AH4361 + #AH27940G NEMA 1 ENCLOSURE.
	MOTOR (F.B.O. WIRED BY ELEC.) - REFER TO PANEL SCHEDULES FOR WIRING AND OVER CURRENT PROTECTION.
	CEILING MOUNTED IONIZATION TYPE SMOKE DETECTOR
	DUCT MOUNTED PHOTOELECTRIC TYPE SMOKE DETECTOR WITH REMOTE MOUNTED L.E.D. AND TEST BUTTON. MOUNT L.E.D. & TEST BUTTON UNDER SINGLE COVER PLATE ON CEILING. (TYP. U.O.N.). PROVIDE (REMOTE) CONTROL RELAY MODULE FOR FAN SHUT DOWN. RELAY MODULE TO BE MOUNTED ADJACENT TO MECHANICAL EQUIPMENT. ALSO PROVIDE LOAD RELAY AS REQUIRED IF EXISTING DISCONNECT /STARTER DO NOT HAVE A SET OF DRY CONTACTS TO TIE-IN FOR FAN SHUTDOWN.
	FIRE ALARM CONTROL PANEL.
	INTERFACE MODULE CONSISTING OF CONTROL RELAY AND MONITOR MODULES. IN NEMA 1 ENCLOSURE. ALSO PROVIDE LOAD RELAY AS REQUIRED IF EXISTING DISCONNECT/STARTERS DO NOT HAVE A SET OF DRY CONTACTS TO TIE-IN FOR FAN SHUTDOWN.
	WALL MOUNTED COMBINATION FIRE ALARM HORN/STROBE DEVICE.
	TAG SYMBOL. NUMERAL DENOTES REFERENCE TO A WORK NOTE.
MECHANICAL EQUIPMENT IDENTIFICATION:	
	EQUIPMENT ABBREVIATION (FE, SF, HV, ETC. SEE ABBREVIATIONS ON THIS DWG.)
	EQUIPMENT NUMBER
DETAIL/PART PLAN NUMBER IDENTIFICATION:	
	DETAIL/PART PLAN NUMBER
	DRAWING NUMBER

## DISTRICT WIDE AIR CONDITIONING CAFETERIAS & GLOBAL LEARNING COMMONS

NYACK UNION FREE  
SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960

**listen  
imagine  
build**

**KG+D ARCHITECTS, PC**

285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.668.5900      KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

### CONSTRUCTION DOCUMENTS

**BARILE GALLAGHER & ASSOCIATES**  
CONSULTING ENGINEERS  
39 MARBLE AVE. PLASANTVILLE, NY 10576  
PHONE: 914.326.4999 FAX: 914.326.0304      [Gerald@BGA-Eng.com](mailto:Gerald@BGA-Eng.com)

### KEY PLAN

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAETZ, GARMENT, & DAVIDSON ARCHITECTS, PC AND ARE HEREBY CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR SUCCESSORS TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF (KG+D).

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 18, SECT. 865 (b) OF NEW YORK STATE LAW.  
COPYRIGHT KAETZ, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

Sheet Title

## ELECTRICAL LEGEND, NOTES ABBREVIATIONS

Job No. 2021-1055	Date 11/06/2023
Scale AS NOTED	Drawn / Checked BGA / BGA

Sheet Number

# E001

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS

NYACK UNION FREE  
SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

CONSTRUCTION DOCUMENTS



**BARILE GALLAGHER & ASSOCIATES**  
CONSULTING ENGINEERS  
39 MARBLE AVENUE, PLEASANTVILLE, NY 10576  
PHONE: 914.326.8990 FAX: 914.326.8004 Email:BGAA@optonline.net

KEY PLAN

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAETER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED IN OR SUCCESS TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF (KGAD).

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE V.B. SECT. 865 (b) OF NEW YORK STATE LAW. COPYRIGHT KAETER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

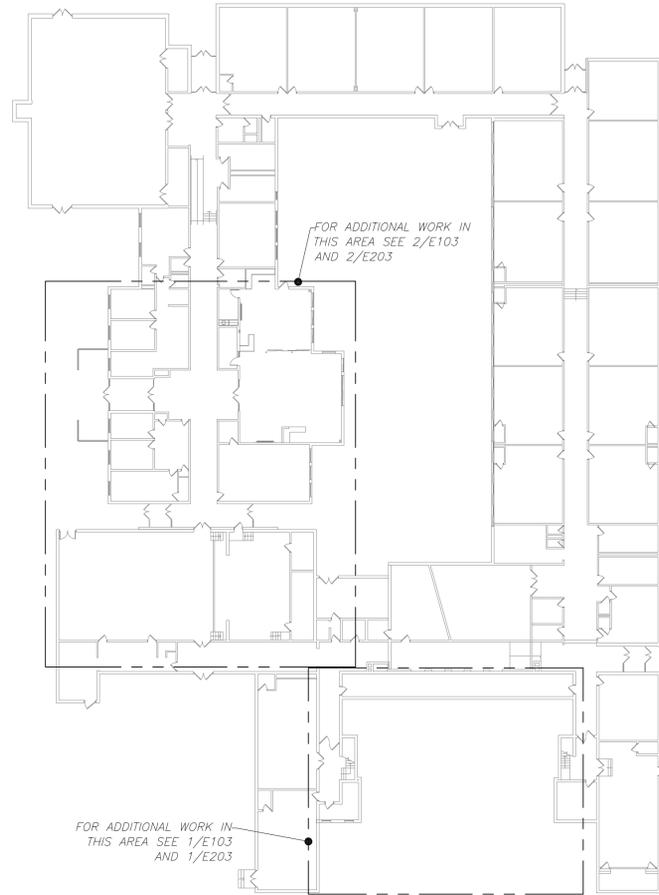
No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

SCOPE OF  
WORK PLAN

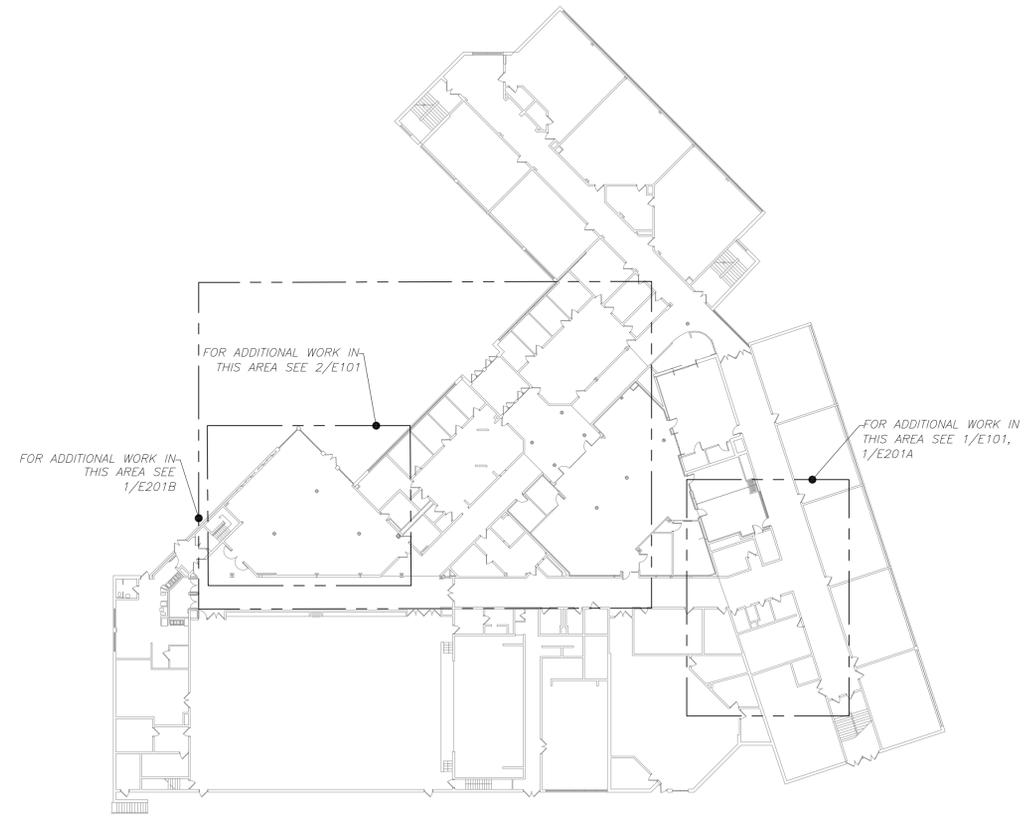
Job No.	2021-1055	Date	11/06/2023
Scale	AS NOTED	Drawn / Checked	BGA / BGA

Sheet Number

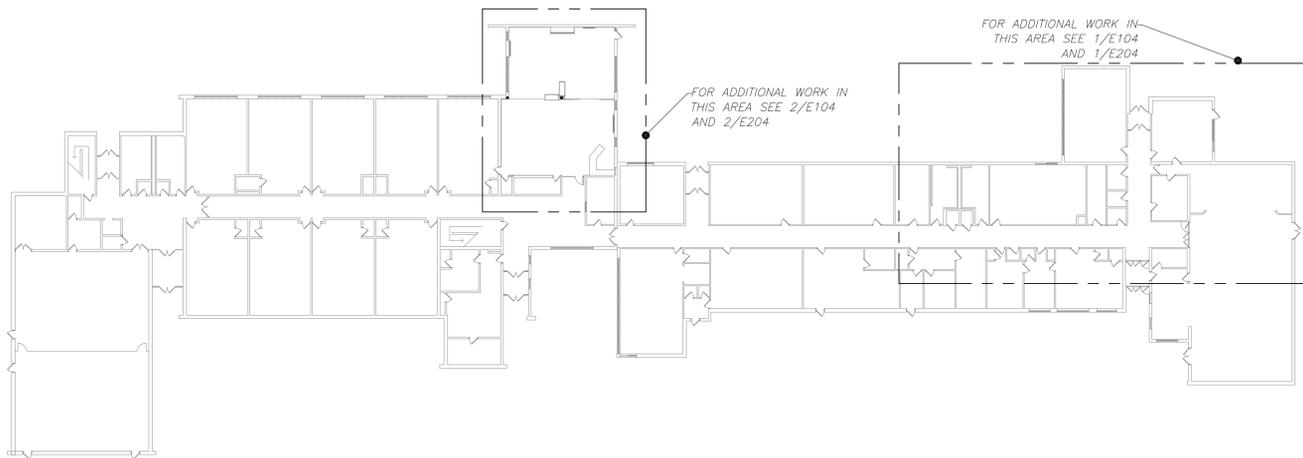
**E100**



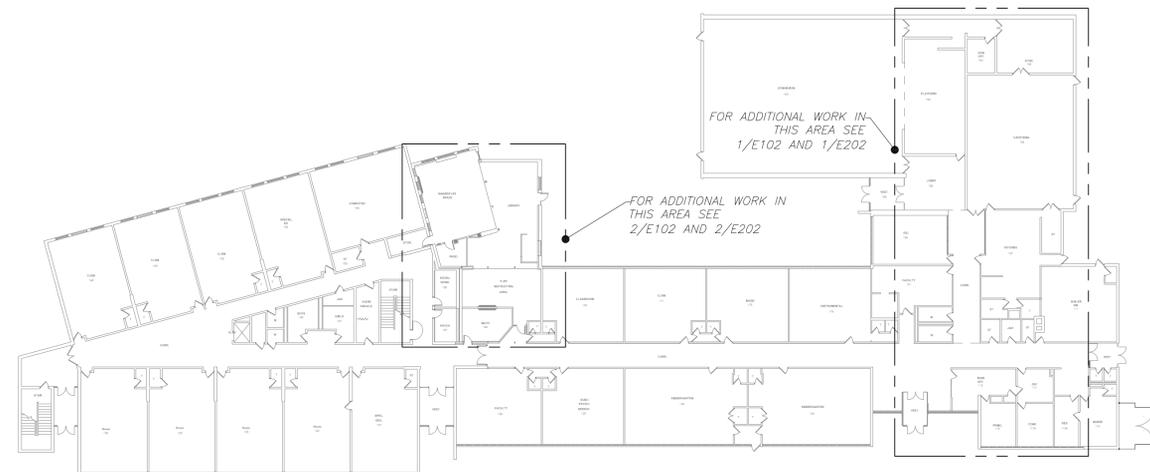
VALLEY COTTAGE ELEMANTARY SCHOOL **3**  
E100 0 32' 64' 1/32 inch=1 foot



MIDDLE SCHOOL **1**  
E100 0 32' 64' 1/32 inch=1 foot



UPPER NYACK ELEMANTARY SCHOOL **4**  
E100 0 32' 64' 1/32 inch=1 foot



LIBERTY ELEMANTARY SCHOOL **2**  
E100 0 32' 64' 1/32 inch=1 foot

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS

NYACK UNION FREE  
SCHOOL DISTRICT

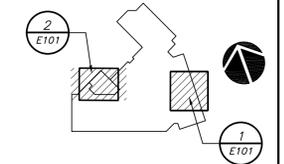
13 A Dickinson Avenue  
Nyack, NY 10960



**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-008-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

CONSTRUCTION DOCUMENTS



**KEY PLAN**

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEPER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGAD) AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 18, SECT. 865 (b) OF NEW YORK STATE LAW.  
COPYRIGHT KAEPER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

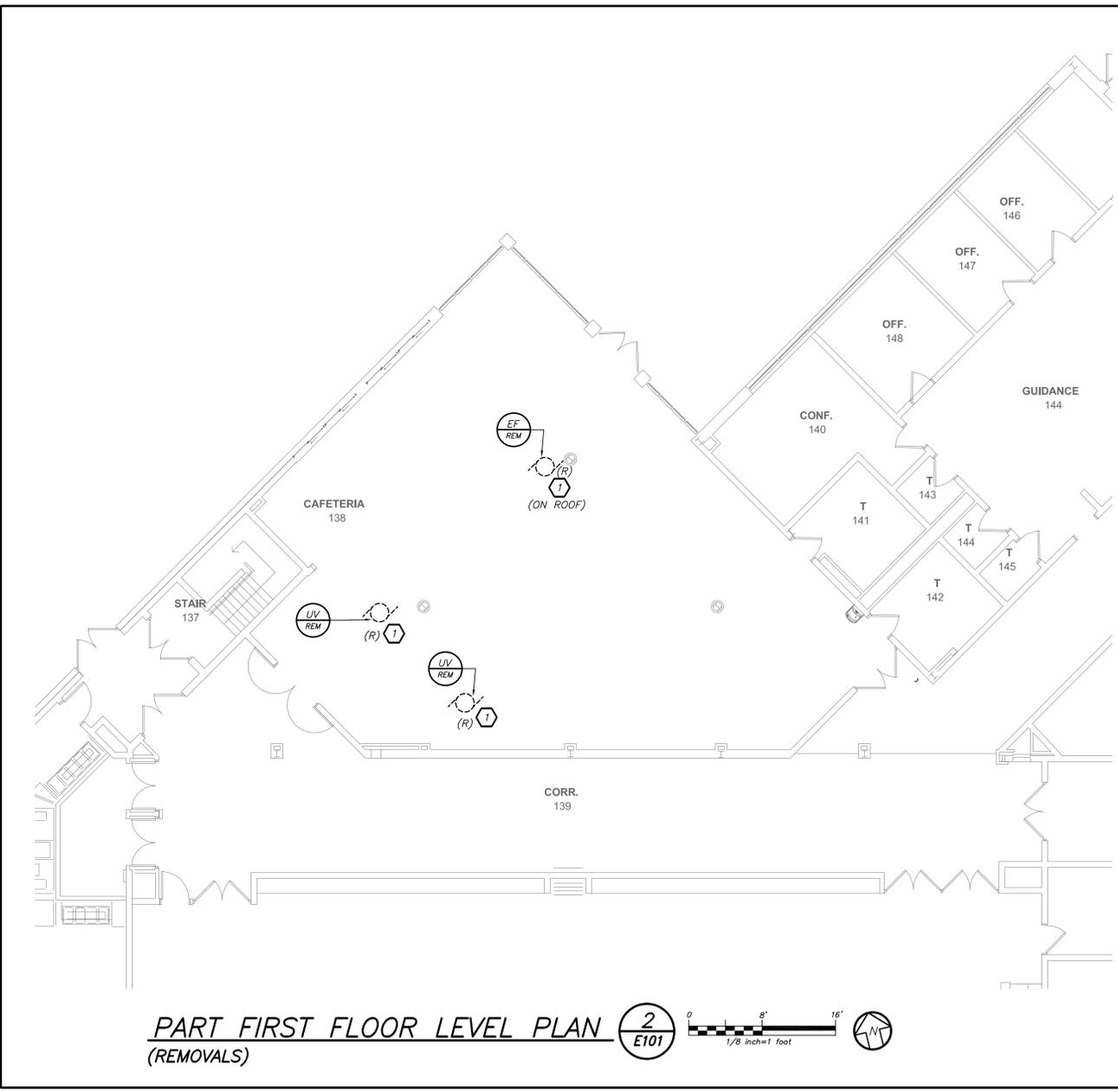
Professional Seal

No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

MIDDLE SCHOOL  
LL & FIRST FLOOR  
REMOVAL PLANS

Job No.	2021-1055	Date	11/06/2023
Scale	AS NOTED	Drawn / Checked	BGA / BGA

Sheet Number  
**E101**



**PART FIRST FLOOR LEVEL PLAN** (2) **E101**  
(REMOVALS)

Scale: 1/8" = 1' - 0"

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS



- REMOVAL NOTES:**
- EXISTING BRANCH CIRCUIT (WIRING AND CONDUIT), THERMAL SWITCHES AND OR DISCONNECT SWITCHES, CONNECTION BOXES ETC SHALL BE REMOVED IN ITS ENTIRETY BACK TO SOURCE.
  - EXISTING CT CABINET SHALL BE REMOVED. UNDERGROUND CONDUIT/FEEDER SHALL HAVE FEEDERS REMOVED, CONDUIT CAPPED/WATERPROOF AND PATCHED. REMOVE EXISTING FEEDERS AND CONDUIT FEEDING MDP. REFER TO RISER ON E501 FOR ADDITIONAL INFORMATION.
  - REMOVE EXISTING KILN AND ALL WIRING AND CONDUIT BACK TO ITS SOURCE. SCHOOL TO REMOVE ALL FURNITURE AND STORAGE ITEM FROM THIS ROOM TO ACCOMMODATE NEW 4000AMP 120/208V ELECTRICAL SWITCHBOARD.

**PART LOWER LEVEL PLAN** (1) **E101**  
(REMOVALS)

Scale: 1/8" = 1' - 0"

DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS

NYACK UNION FREE  
SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



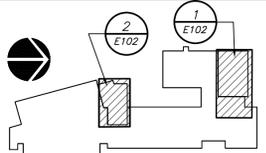
**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

CONSTRUCTION DOCUMENTS



**BARILE GALLAGHER & ASSOCIATES**  
CONSULTING ENGINEERS  
39 MARBLE AVE. PLEASANTVILLE, NY 10576  
PHONE: 914.326.8990 FAX: 914.326.8004 Email:BGAA@Gmail.com



KEY PLAN

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEPER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 18, SECT. 865 (b) OF NEW YORK STATE LAW.  
COPYRIGHT KAEPER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

Sheet Title

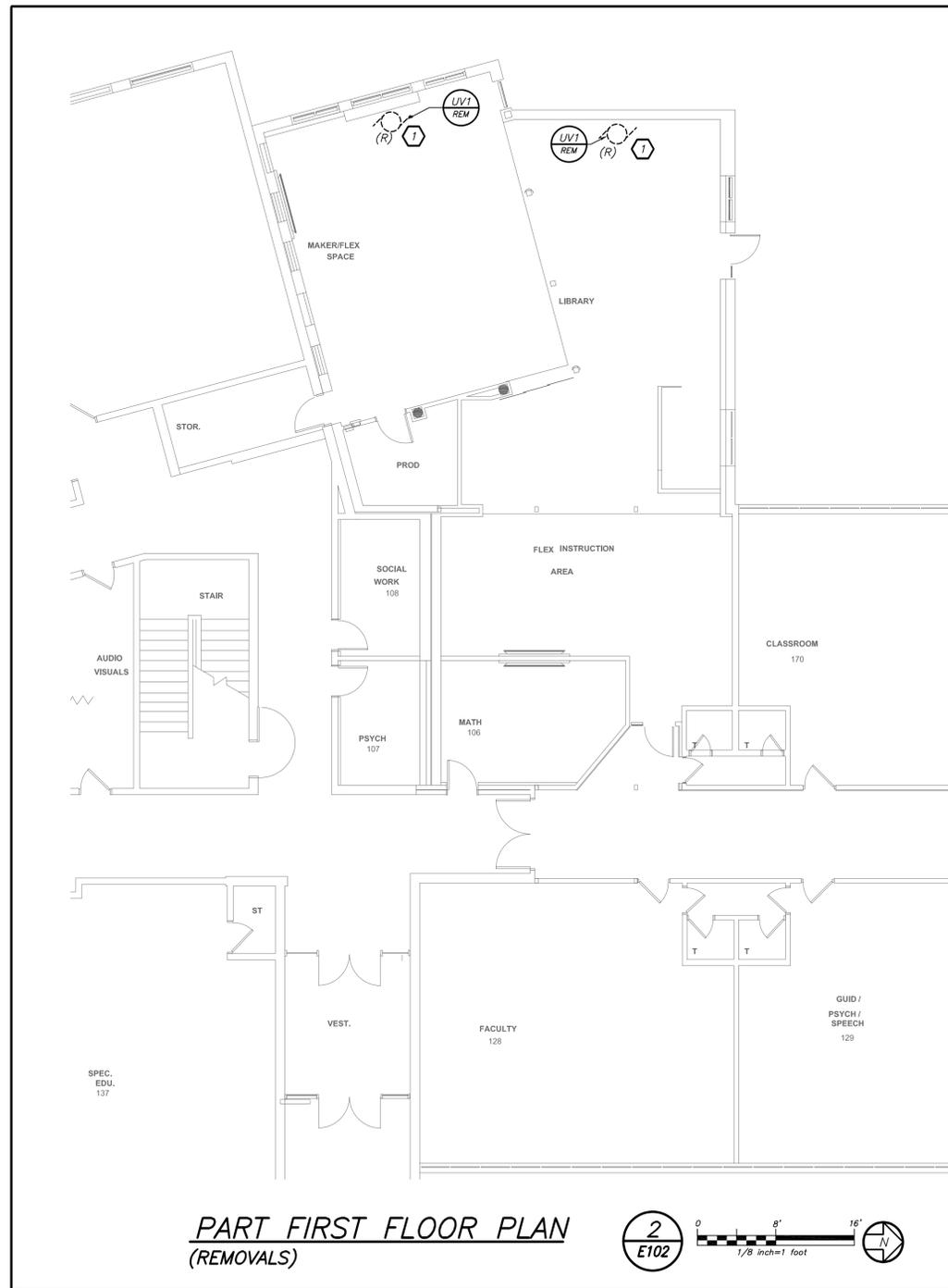
LIBERTY ES  
FIRST FLOOR  
REMOVAL PLANS

Job No. 2021-1055 Date 11/06/2023

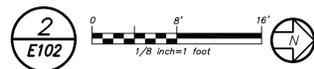
Scale AS NOTED Drawn / Checked BGA / BGA

Sheet Number

**E102**



**PART FIRST FLOOR PLAN**  
(REMOVALS)



**PART FIRST FLOOR PLAN**  
(REMOVALS)



**REMOVAL NOTES:**

- 1 EXISTING BRANCH CIRCUIT (WIRING AND CONDUIT), THERMAL SWITCHES AND OR DISCONNECT SWITCHES, CONNECTION BOXES ETC SHALL BE REMOVED IN ITS ENTIRETY BACK TO SOURCE.
- 2 EXISTING SERVICE PULLBOX SHALL BE REMOVED. UNDERGROUND CONDUIT/FEEDER SHALL HAVE FEEDERS REMOVED, CONDUIT CAPPED/WATERPROOF AND PATCHED. REMOVE EXISTING FEEDERS AND CONDUIT FEEDING MDP. REFER TO RISER ON E502 FOR ADDITIONAL INFORMATION.

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS

NYACK UNION FREE  
SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



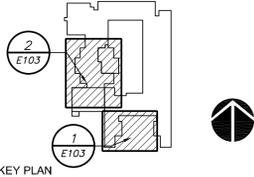
KG+D ARCHITECTS, PC  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

CONSTRUCTION DOCUMENTS



BARILE GALLAGHER & ASSOCIATES  
CONSULTING ENGINEERS  
39 MARBLE AVE. PLASANTVILLE, NY 10576  
PHONE: 914.326.8999 FAX: 914.326.0004 Gcon@BGA-Eng.com

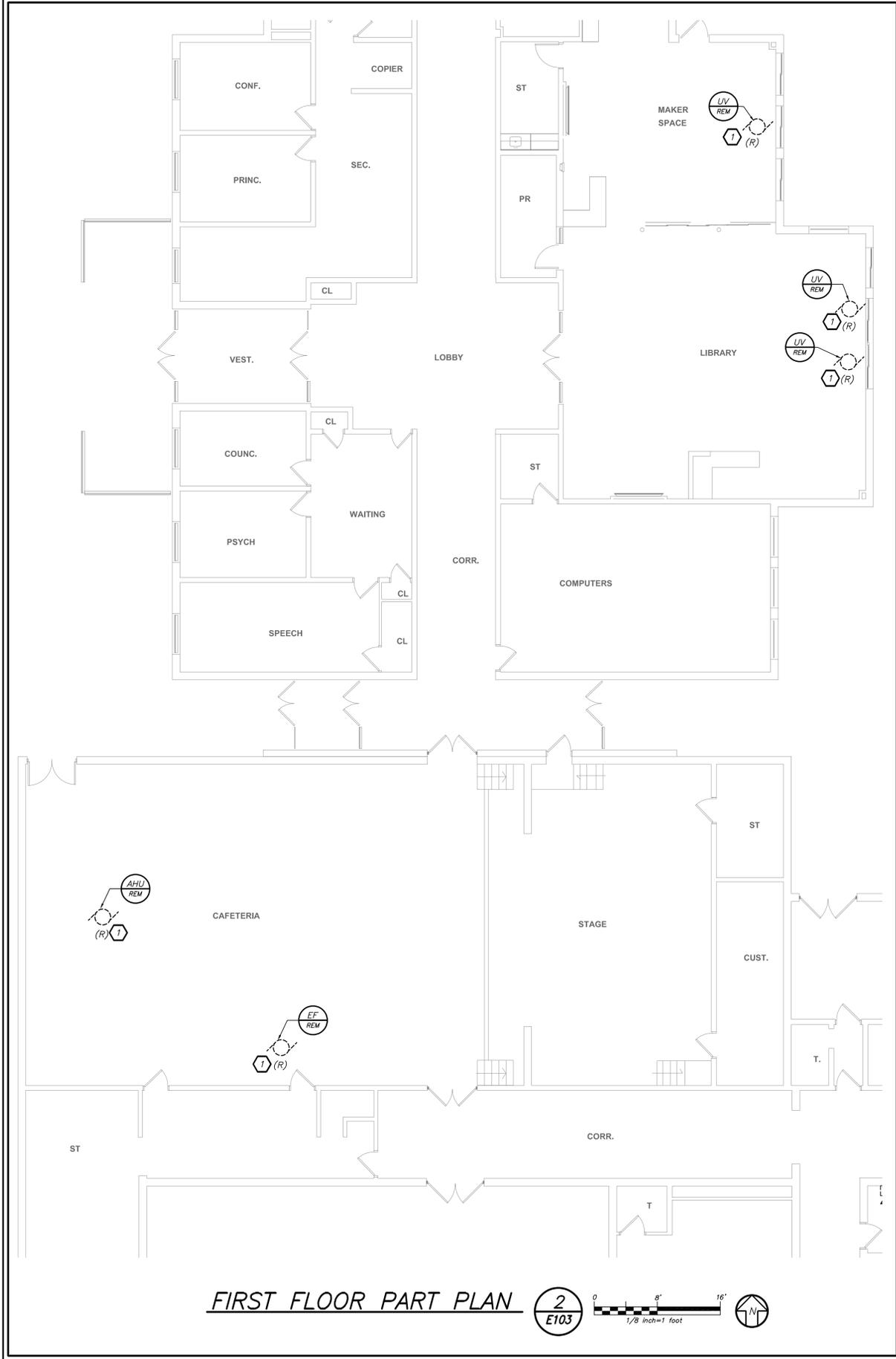


NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAETZER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

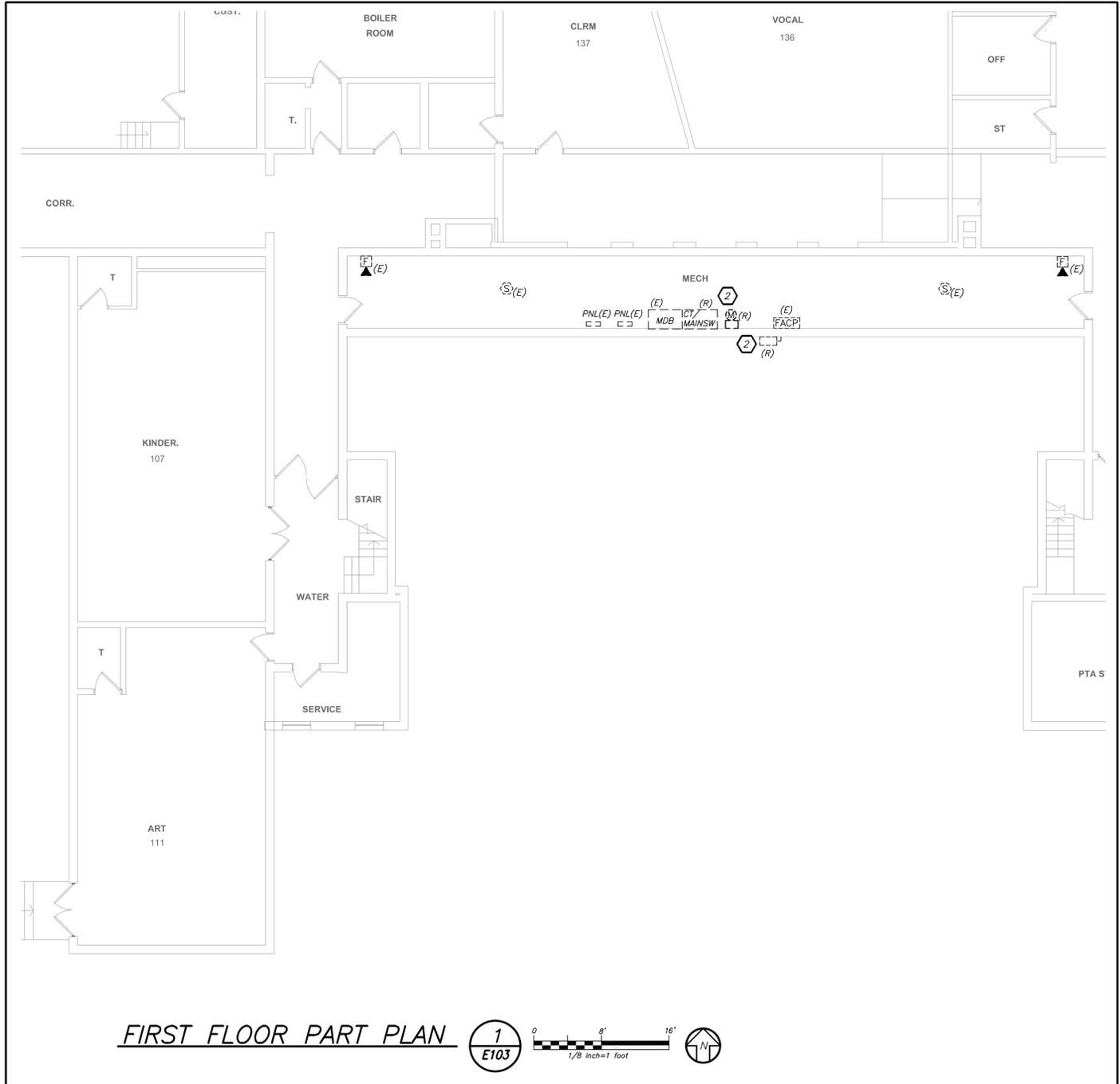
WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 18, SECT. 185 (b) OF NEW YORK STATE LAW.  
COPYRIGHT KAETZER, GARMENT + DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal



FIRST FLOOR PART PLAN 2  
E103 1/8 inch=1 foot



FIRST FLOOR PART PLAN 1  
E103 1/8 inch=1 foot

- REMOVAL NOTES:**
- 1 EXISTING BRANCH CIRCUIT (WIRING AND CONDUIT), THERMAL SWITCHES AND OR DISCONNECT SWITCHES, CONNECTION BOXES ETC SHALL BE REMOVED IN ITS ENTIRETY BACK TO SOURCE.
  - 2 EXISTING EXTERIOR DISCONNECT SWITCH, INTERIOR CT CABINET AND METER SHALL BE REMOVED. UNDERGROUND CONDUIT/FEEDER SHALL HAVE FEEDERS REMOVED, CONDUIT CAPPED/WATERPROOF AND PATCHED. REMOVE EXISTING FEEDERS AND CONDUIT FEEDING MDP. REFER TO RISER ON E503 FOR ADDITIONAL INFORMATION.

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN
No.	Date	Issue

VALLEY COTTAGE ES  
FIRST FLOOR  
REMOVAL PLANS

Job No.	2021-1055	Date	11/06/2023
Scale	AS NOTED	Drawn / Checked	BGA / BGA

Sheet Number  
**E103**

DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS

NYACK UNION FREE  
SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



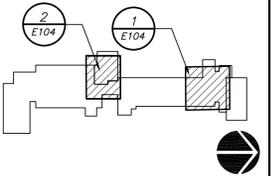
**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.666.5900 KGARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

CONSTRUCTION DOCUMENTS



**BARILE GALLAGHER & ASSOCIATES**  
CONSULTING ENGINEERS  
39 MARBLE AVE. PLASANTVILLE, NY 10576  
PHONE: 914.326.8999 FAX: 914.326.8204 [Gcon@BGA-Eng.com](mailto:Gcon@BGA-Eng.com)



**KEY PLAN**

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAETZER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGAD). AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED IN OR SUCCESSIVE TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 18, SECT. 865 (b) OF NEW YORK STATE LAW.  
COPYRIGHT KAETZER, GARMENT - DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

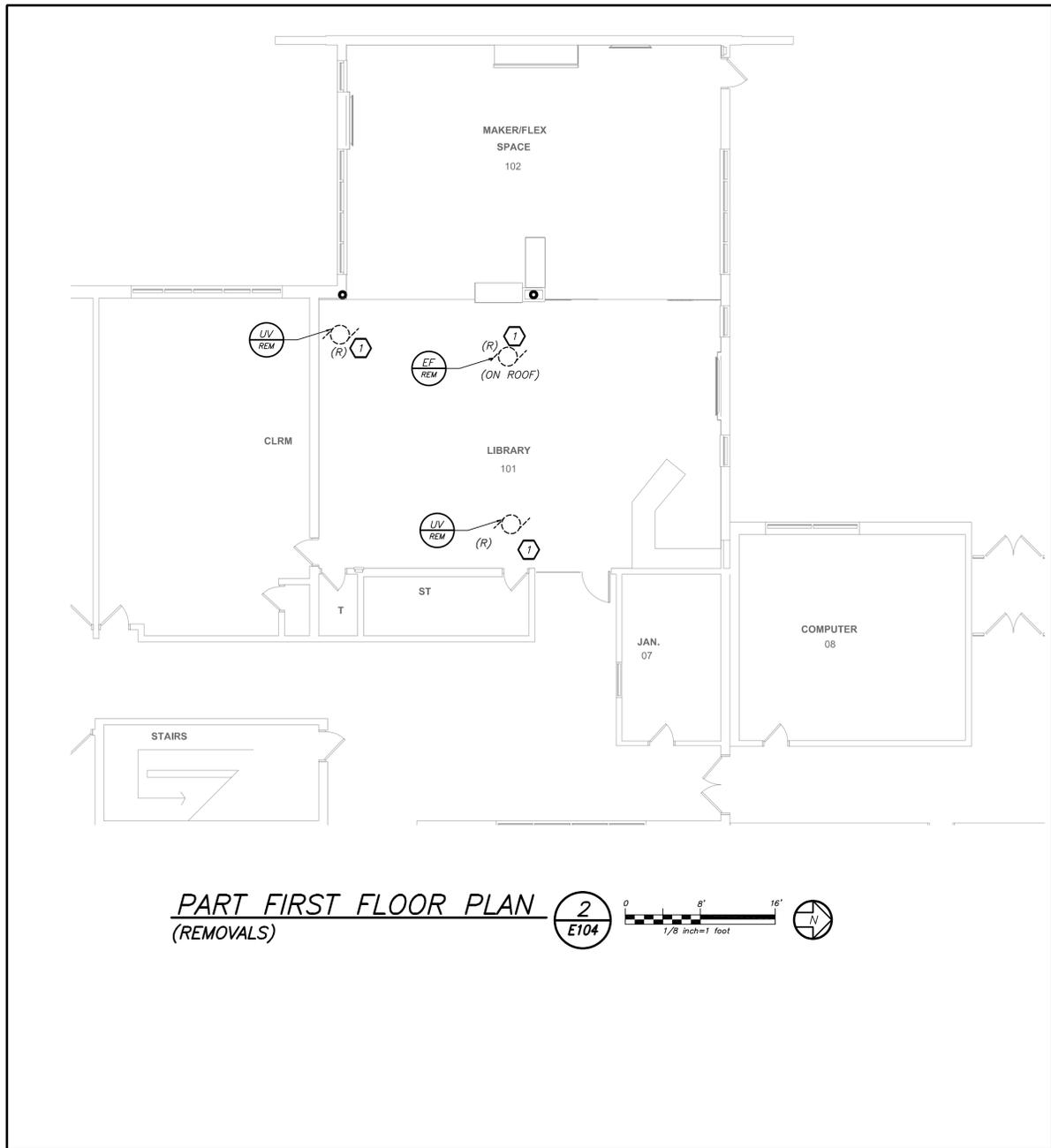
No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

UPPER NYACK ES  
FIRST FLOOR  
REMOVAL PLANS

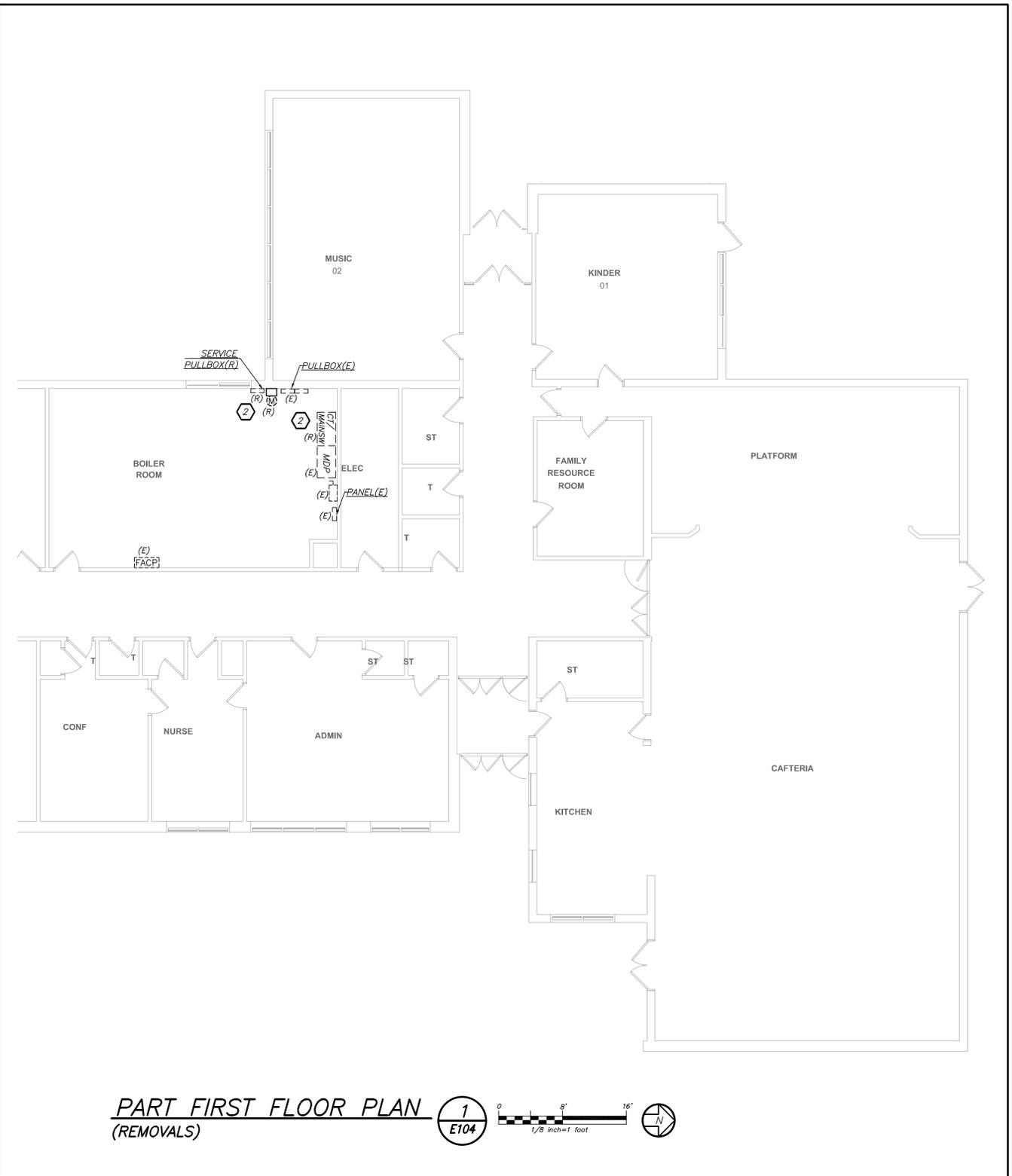
Job No.	2021-1055	Date	11/06/2023
Scale	AS NOTED	Drawn / Checked	BGA / BGA

Sheet Number

**E104**



**PART FIRST FLOOR PLAN**  
(REMOVALS) **2**  
E104



**PART FIRST FLOOR PLAN**  
(REMOVALS) **1**  
E104

**REMOVAL NOTES:**

**1** EXISTING BRANCH CIRCUIT (WIRING AND CONDUIT), THERMAL SWITCHES AND OR DISCONNECT SWITCHES, CONNECTION BOXES ETC SHALL BE REMOVED IN ITS ENTIRETY BACK TO SOURCE.

**2** EXISTING SERVICE PULLBOX, CT CABINET, METERING EQUIPMENT SHALL BE REMOVED. UNDERGROUND CONDUIT/FEEDER SHALL HAVE FEEDERS REMOVED, CONDUIT CAPPED/WATERPROOF AND PATCHED. REMOVE EXISTING FEEDERS AND CONDUIT FEEDING MDP. REFER TO RISER ON E504 FOR ADDITIONAL INFORMATION.

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS

NYACK UNION FREE  
SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



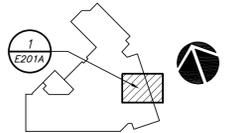
**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

CONSTRUCTION DOCUMENTS



**BARILE GALLAGHER & ASSOCIATES**  
CONSULTING ENGINEERS  
35 MARBLE AVE. PLASANTVILLE, NY 10576  
PHONE: 914.326.8990 FAX: 914.326.8204 Email:BGAA@Gmail.com



**KEY PLAN**

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEPER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED IN OR SUCCESSORS TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE ADVISED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

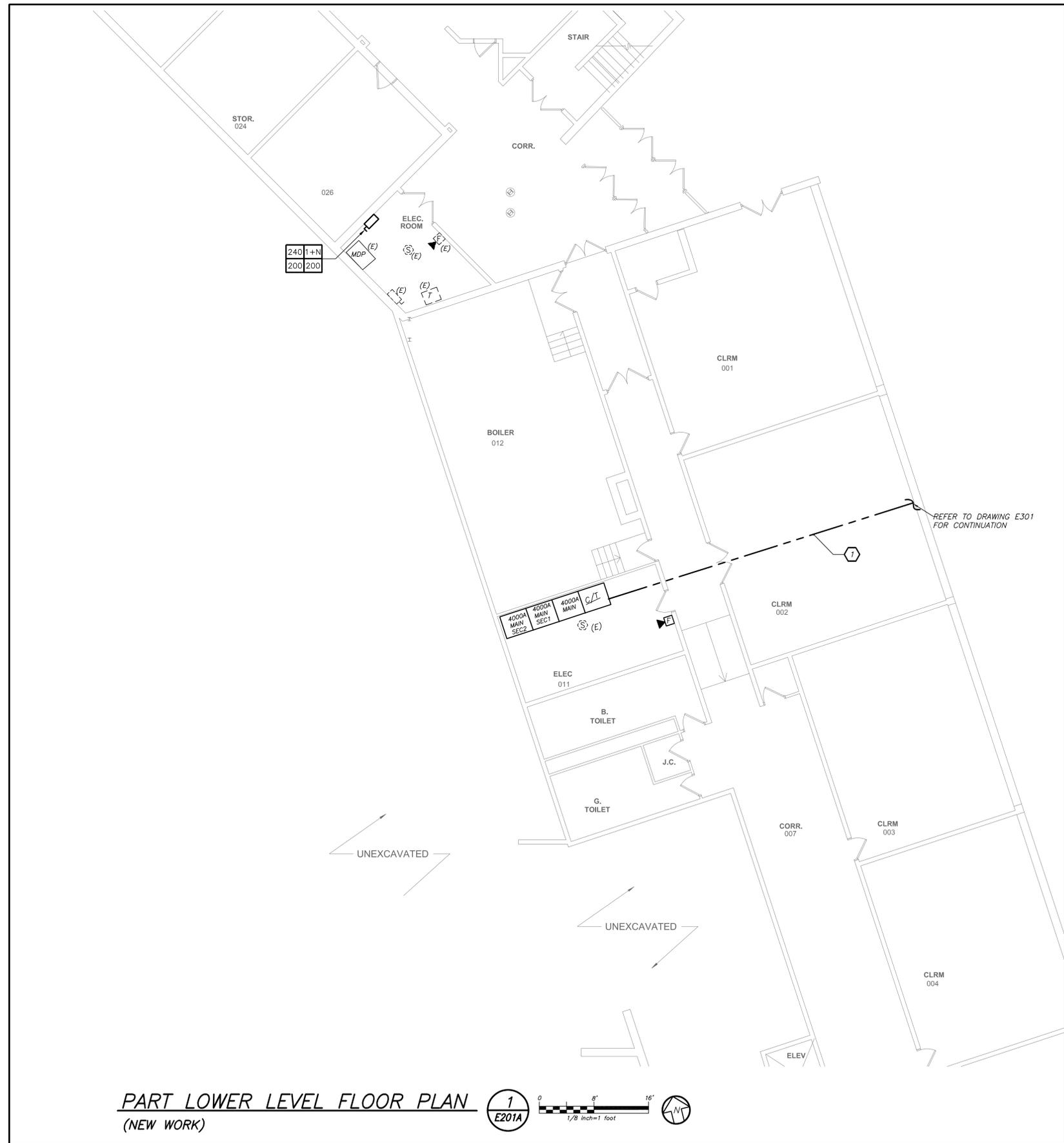
ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 18, SECT. 185 (b) OF NEW YORK STATE LAW.  
COPYRIGHT KAEPER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

Sheet Title  
**MIDDLE SCHOOL PART  
LOWER LEVEL  
POWER PLAN**

Job No.	2021-1055	Date	11/06/2023
Scale	AS NOTED	Drawn / Checked	BGA / BGA
Sheet Number	<b>E201A</b>		



**PART LOWER LEVEL FLOOR PLAN**  
(NEW WORK)

**WORK NOTES:**

1 GC TO CHOP FLOOR FOR ELECTRICAL CONTRACTOR TO RUN SECONDARY FEEDERS TO THE MAIN SERVICE SWITCHBOARD. EC TO COORDINATE WITH GC AND ARCHITECT BEFORE START OF ANY WORK.

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS

NYACK UNION FREE  
SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



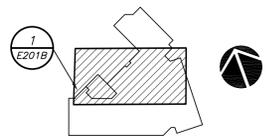
**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.668.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

CONSTRUCTION DOCUMENTS



**BARILE GALLAGHER & ASSOCIATES**  
CONSULTING ENGINEERS  
35 MARBLE AVE. PLASANTVILLE, NY 10576  
PHONE: 914.326.8990 FAX: 914.326.8004 Email:BGAA@optonline.net



KEY PLAN

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAETER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGAD) AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT, WITHOUT THE PROFESSIONAL SEAL OF SAID ARCHITECT, IS A VIOLATION OF TITLE 18, SECTION 185 (b) OF THE NEW YORK STATE LAW. COPYRIGHT KAETER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

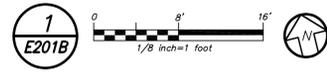
Sheet Title  
**MIDDE SCHOOL PART  
FIRST FLOOR  
POWER PLAN**

Job No.	2021-1055	Date	11/06/2023
Scale	AS NOTED	Drawn / Checked	BGA / BGA

Sheet Number  
**E201B**



**PART FIRST FLOOR PLAN**  
(NEW WORK)



**WORK NOTES:**  
1 JUNCTION BOX FOR CONDENSATE PUMP MOUNTED ABOVE HUNG CEILING. EC TO CUT PLUG AND PROVIDE HARD WIRE CONNECTION. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR BEFORE START OF ANY WORK.

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS



DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS

NYACK UNION FREE  
SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



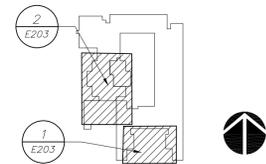
**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.666.5900 KGARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY: 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK: 50-03-04-03-0-007-023

CONSTRUCTION DOCUMENTS



**BARILE GALLAGHER & ASSOCIATES**  
CONSULTING ENGINEERS  
39 MARBLE AVE. PLEASANTVILLE, NY 10576  
PHONE: 914.326.8990 FAX: 914.326.8204 Gcon@BGA-Eng.com



**KEY PLAN**  
NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAETZ, GARMENT, & DAVIDSON ARCHITECTS, PC (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED IN OR SUCCESS TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.  
ALTERATIONS BY ANY PERSON IN ANY WAY OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 18, SECT. 185 (b) OF NEW YORK STATE LAW.  
COPYRIGHT KAETZ, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

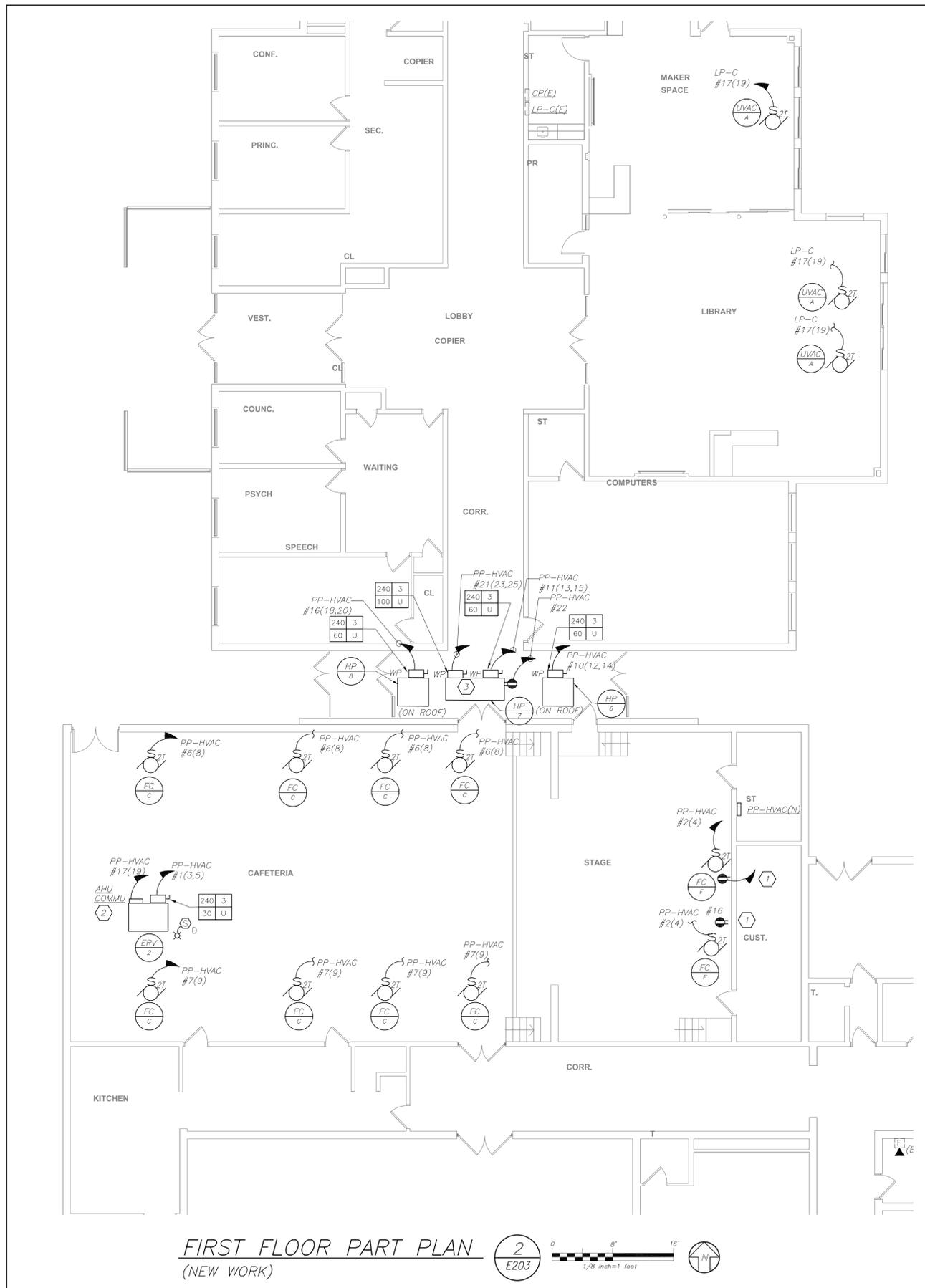
Professional Seal

No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

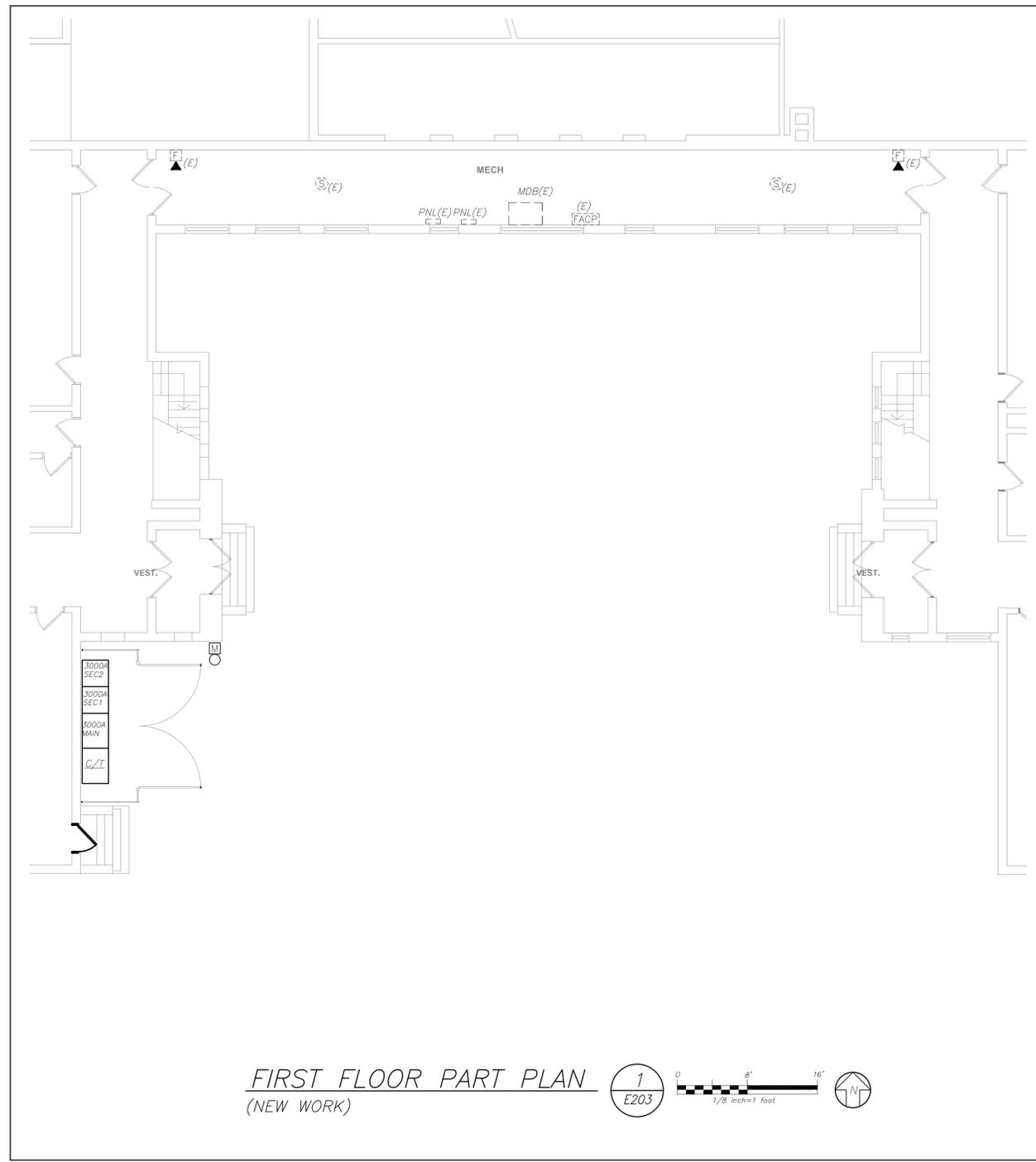
VALLEY COTTAGE ES  
FIRST FLOOR  
POWER PLAN

Job No.	2021-1055	Date	11/06/2023
Scale	AS NOTED	Drawn / Checked	BGA / BGA

Sheet Number  
**E203**



**FIRST FLOOR PART PLAN**  
(NEW WORK) **2**  
E203



**FIRST FLOOR PART PLAN**  
(NEW WORK) **1**  
E203

- WORK NOTES:**
- 1 PROVIDE WALL MOUNTED GFI RECEPTACLE FOR CONDENSATE PUMP. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR BEFORE START OF ANY WORK.
  - 2 EC TO COORDINATE EXACT LOCATION OF AHU COMMUNICATION KIT BEFORE START OF ANY WORK.
  - 3 ELECTRICAL CONTRACTOR TO COORDINATE EXACT LOCATION OF DISCONNECT SWITCHES, WIRE AND CONDUIT FOR THE MULTI SECTION HVAC UNITS ON SITE WITH HVAC CONTRACTOR BEFORE START OF ANY WORK.

DISTRICT WIDE AIR  
CONDITIONING  
CAFETERIAS & GLOBAL  
LEARNING COMMONS

NYACK UNION FREE  
SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960



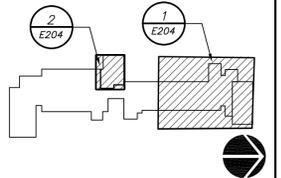
**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.668.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

CONSTRUCTION DOCUMENTS



**BARILE GALLAGHER & ASSOCIATES**  
CONSULTING ENGINEERS  
39 MARBLE AVE. PLEASANTVILLE, NY 10576  
PHONE: 914.326.8999 FAX: 914.326.8004 GMAIL: BGA.Engineers



NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAETER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGD&D) AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED IN OR SUCCESSIVE TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF (KGD&D).

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 18, SECT. 185 (b) OF NEW YORK STATE LAW.  
COPYRIGHT KAETER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

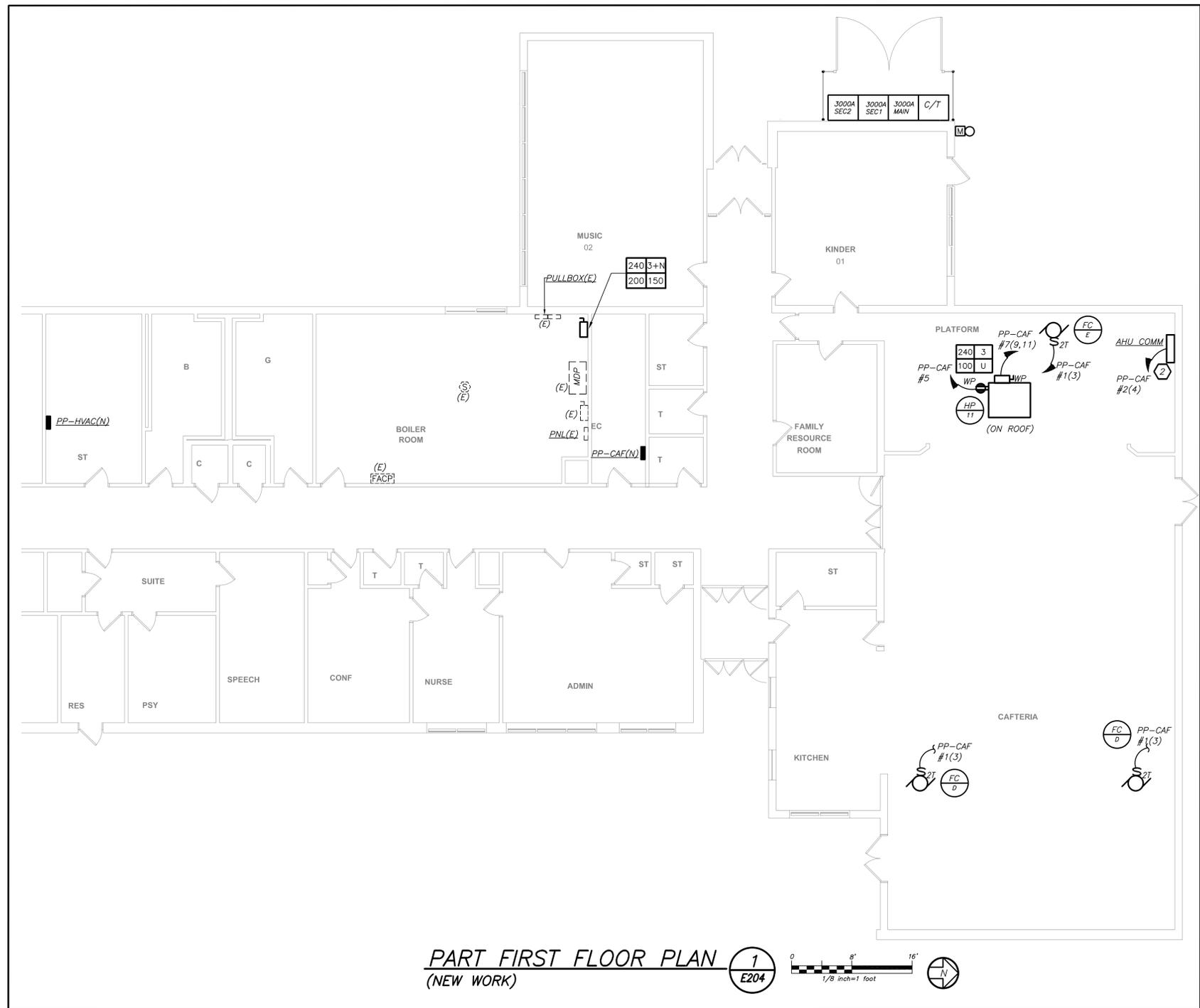
Professional Seal

4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN
No.	Date	Issue

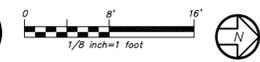
UPPER NYACK ES  
FIRST FLOOR  
PLAN

Job No.	2021-1055	Date	11/06/2023
Scale	AS NOTED	Drawn / Checked	BGA / BGA

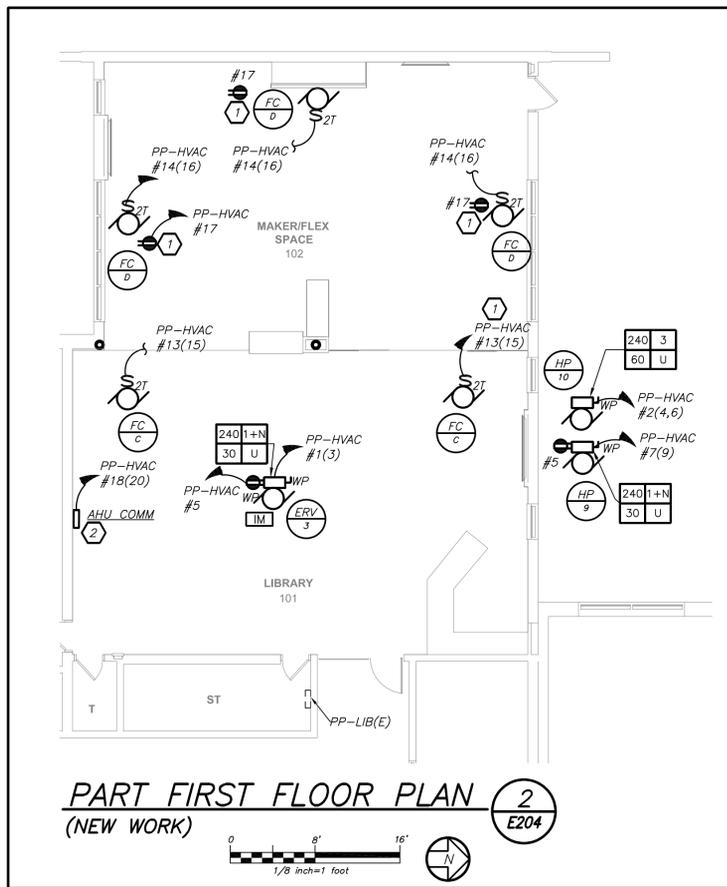
Sheet Number  
**E204**



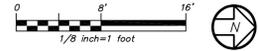
**PART FIRST FLOOR PLAN** 1  
(NEW WORK) E204



- WORK NOTES:**
- 1 PROVIDE WALL MOUNTED GFI RECEPTACLE FOR CONDENSATE PUMP. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR BEFORE START OF ANY WORK.
  - 2 EC TO COORDINATE EXACT LOCATION OF AHU COMMUNICATION KIT BEFORE START OF ANY WORK.



**PART FIRST FLOOR PLAN** 2  
(NEW WORK) E204

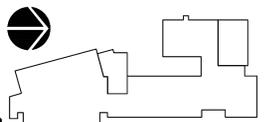


BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS





CONSTRUCTION DOCUMENTS



KEY PLAN

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEPER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGAD) AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED IN OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 18, SECT. 185.5 (b) OF NEW YORK STATE LAW.  
COPYRIGHT KAEPER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

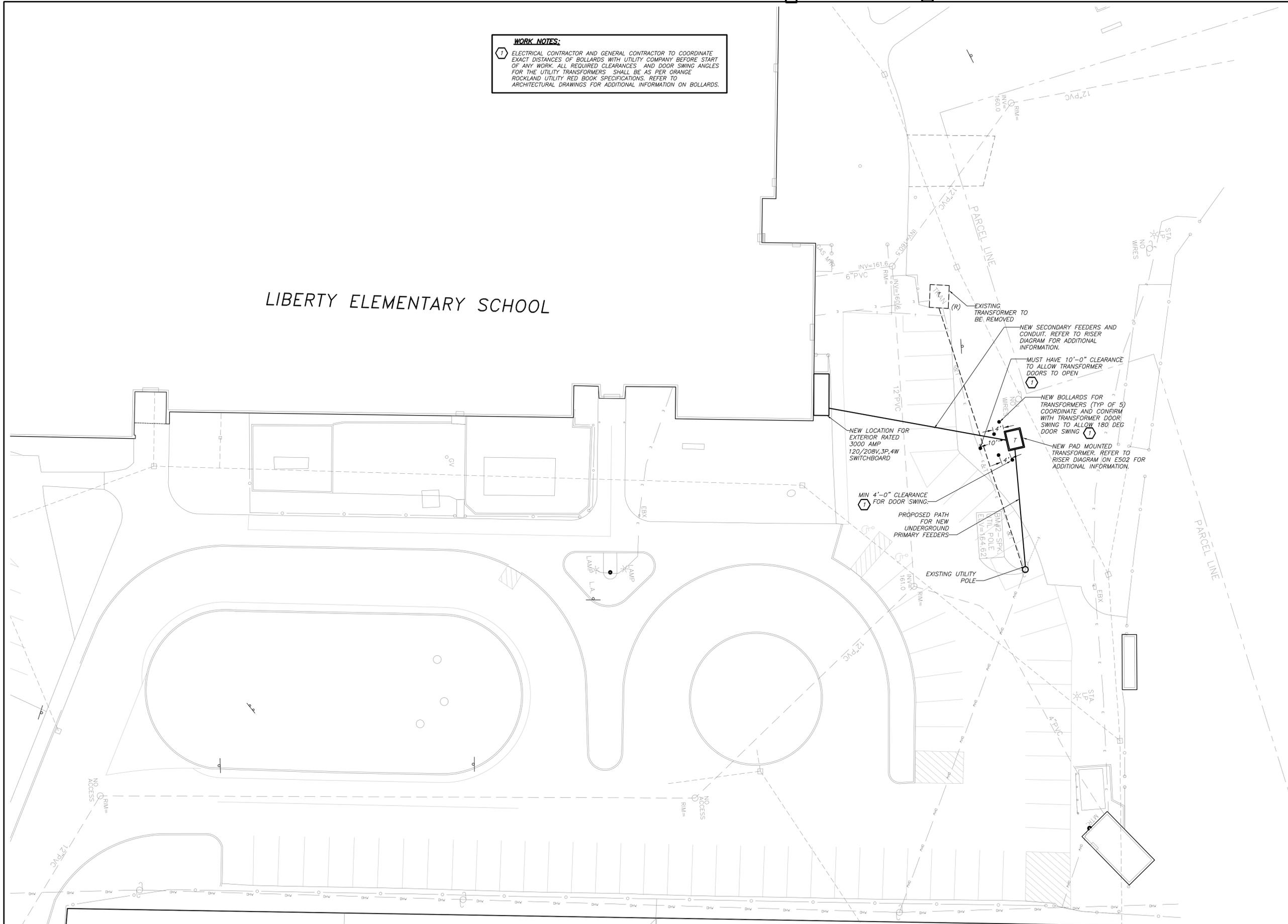
Sheet Title  
**LIBERTY ES  
SITE UTILITY  
PLAN**

Job No.	2021-1055	Date	11/06/2023
Scale	AS NOTED	Drawn / Checked	BGA / BGA

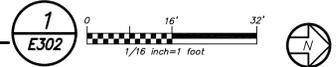
Sheet Number  
**E302**

**WORK NOTES:**  
1 ELECTRICAL CONTRACTOR AND GENERAL CONTRACTOR TO COORDINATE EXACT DISTANCES OF BOLLARDS WITH UTILITY COMPANY BEFORE START OF ANY WORK. ALL REQUIRED CLEARANCES AND DOOR SWING ANGLES FOR THE UTILITY TRANSFORMERS SHALL BE AS PER ORANGE ROCKLAND UTILITY RED BOOK SPECIFICATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION ON BOLLARDS.

LIBERTY ELEMENTARY SCHOOL



**LIBERTY ELEMANTARY SITE UTILITY PLAN  
(NEW WORK)**



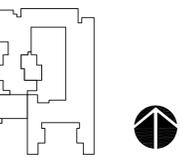
BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS



**KG+D ARCHITECTS, PC**  
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
P:914.668.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

CONSTRUCTION DOCUMENTS



**KEY PLAN**  
NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEBER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGD+A) AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED IN OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGD+A.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 18, SECT. 185 (b) OF NEW YORK STATE LAW.  
COPYRIGHT KAEBER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

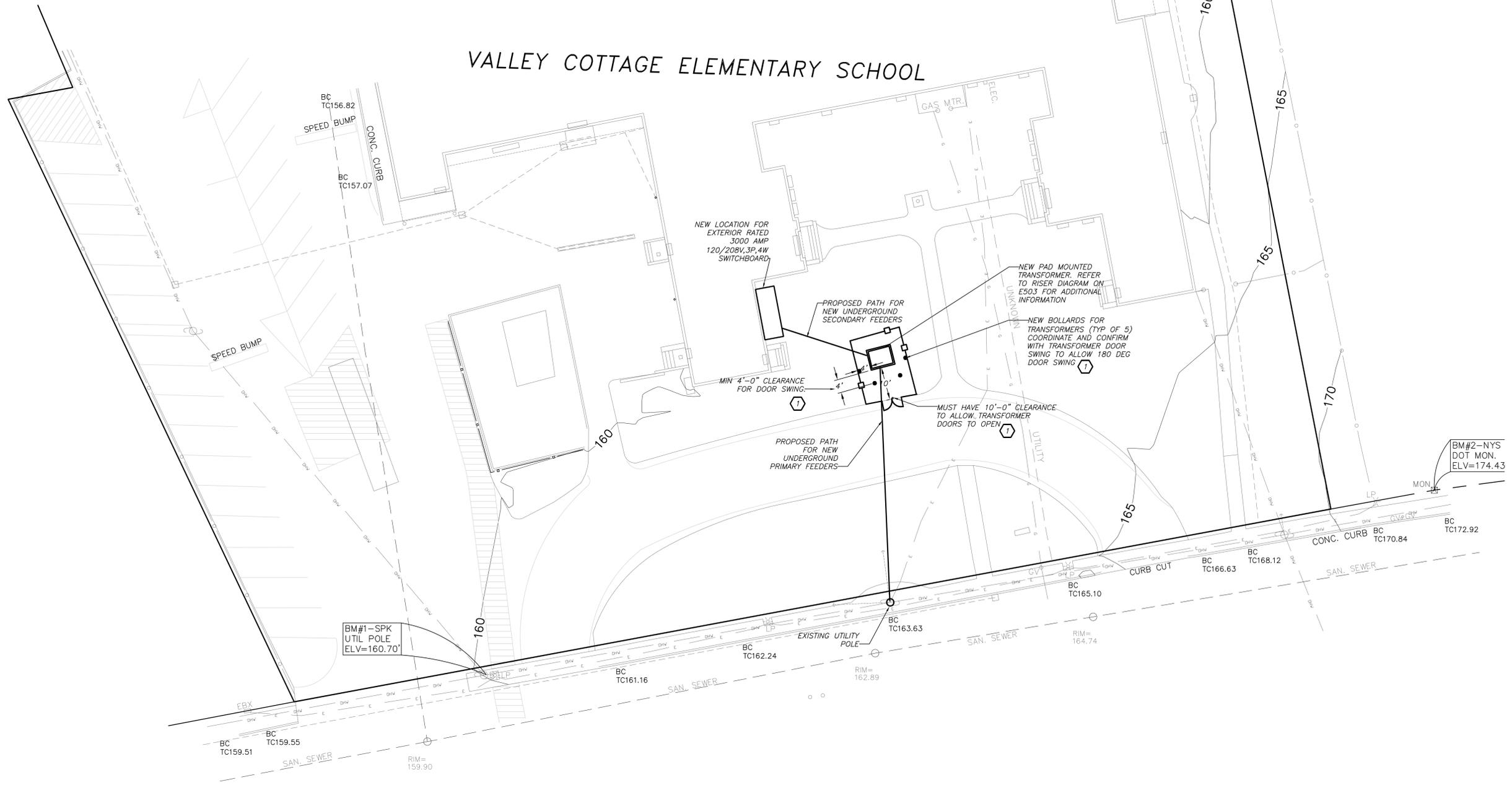
**VALLEY COTTAGE ES  
SITE UTILITY  
PLAN**

Job No.	2021-1055	Date	11/06/2023
Scale	AS NOTED	Drawn / Checked	BGA / BGA

Sheet Number  
**E303**

**VALLEY COTTAGE ELEMENTARY SCHOOL**

**WORK NOTES:**  
ELECTRICAL CONTRACTOR AND GENERAL CONTRACTOR TO COORDINATE EXACT DISTANCES OF BOLLARDS, FENCE AND FENCE GATES WITH UTILITY COMPANY BEFORE START OF ANY WORK. ALL REQUIRED CLEARANCES AND DOOR SWING ANGLES FOR THE UTILITY TRANSFORMERS SHALL BE AS PER ORANGE ROCKLAND UTILITY RED BOOK SPECIFICATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION ON BOLLARDS.



**VALLEY COTTAGE SITE UTILITY PLAN** 1  
(NEW WORK) E303

Scale: 1/16" inch=1' foot

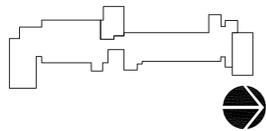
BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS



CONSTRUCTION DOCUMENTS



**BARILE GALLAGHER & ASSOCIATES**  
CONSULTING ENGINEERS  
35 MARBLE AVENUE, PLASANTVILLE, NY 10579  
PHONE: 914.326.8999 FAX: 914.326.8004 GMAIL: BGA@GMAIL.COM



KEY PLAN

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEFER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 18, SECT. 185 (b) OF NEW YORK STATE LAW.  
COPYRIGHT KAEFER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

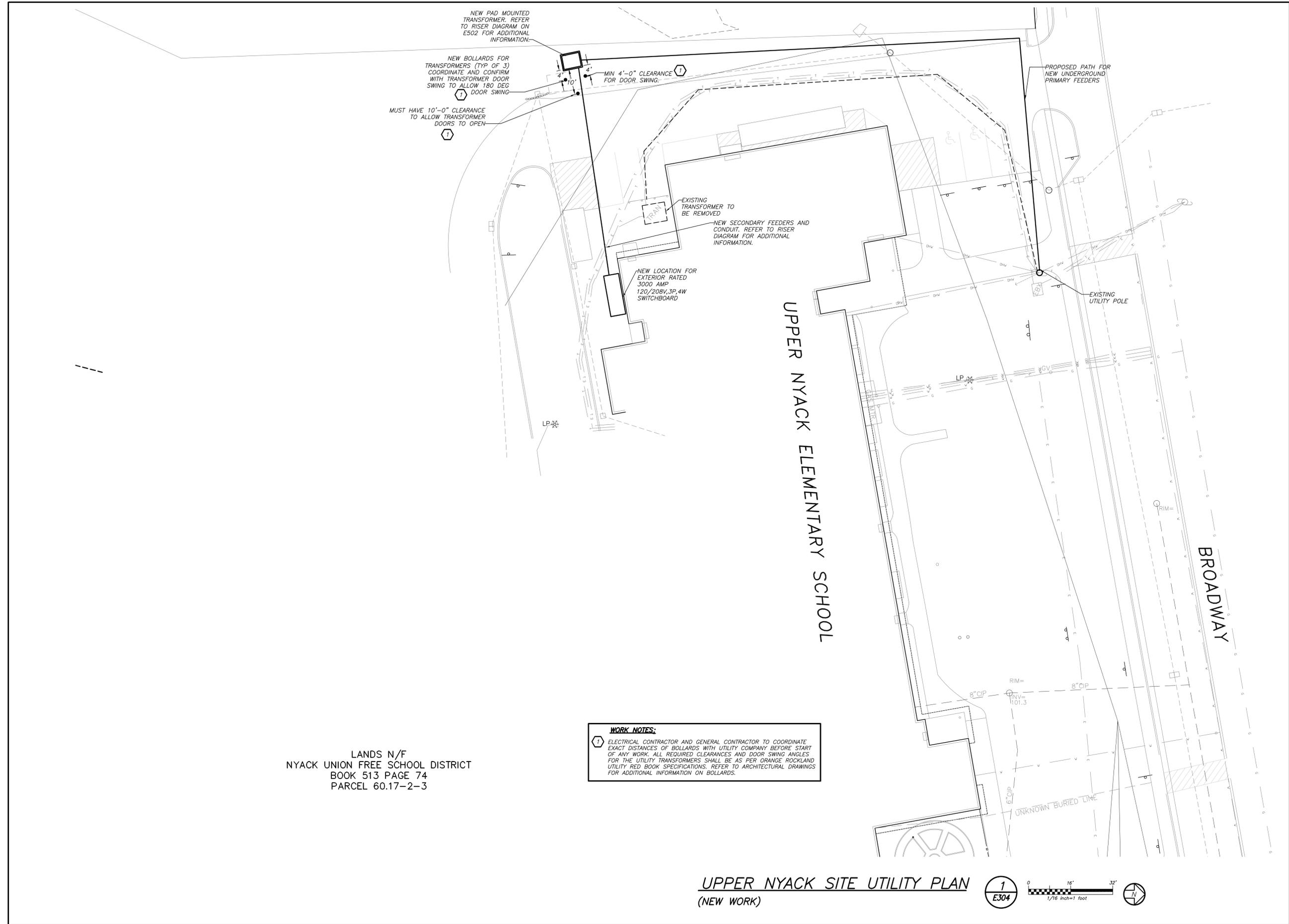
Professional Seal

No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

UPPER NYACK ES  
SITE UTILITY  
PLAN

Job No.	2021-1055	Date	11/06/2023
Scale	AS NOTED	Drawn / Checked	BGA / BGA

Sheet Number  
**E304**

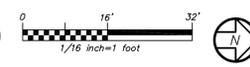


LANDS N/F  
NYACK UNION FREE SCHOOL DISTRICT  
BOOK 513 PAGE 74  
PARCEL 60.17-2-3

**WORK NOTES:**  
1 ELECTRICAL CONTRACTOR AND GENERAL CONTRACTOR TO COORDINATE EXACT DISTANCES OF BOLLARDS WITH UTILITY COMPANY BEFORE START OF ANY WORK. ALL REQUIRED CLEARANCES AND DOOR SWING ANGLES FOR THE UTILITY TRANSFORMERS SHALL BE AS PER ORANGE ROCKLAND UTILITY RED BOOK SPECIFICATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION ON BOLLARDS.

UPPER NYACK SITE UTILITY PLAN  
(NEW WORK)

1  
E304



BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS



**KG+D ARCHITECTS, PC**  
285 MAIN STREET - MOUNT KISCO, NEW YORK 10549  
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
MS: 50-03-04-03-0-004-020  
LIBERTY : 50-03-04-03-0-006-016  
VALLEY COTTAGE: 50-03-04-03-0-001-016  
UPPER NYACK : 50-03-04-03-0-007-023

CONSTRUCTION DOCUMENTS



**BARILE GALLAGHER & ASSOCIATES**  
CONSULTING ENGINEERS  
30 MARBLE AVE. PLASANTVILLE, NY 10576  
PHONE: 914.326.8990 FAX: 914.326.8004 Email: BGA@BGA.com



KEY PLAN

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KASER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGD), AND THESE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 16, SECT. 165 (b) OF NEW YORK STATE LAW. COPYRIGHT GARMENT, KASER & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN
No.	Date	Issue

MIDDLE SCHOOL  
RISER AND  
SCHEDULES

Job No. 2021-1055 Date 11/06/2023

Scale AS NOTED Drawn / Checked BGA / BGA

Sheet Number

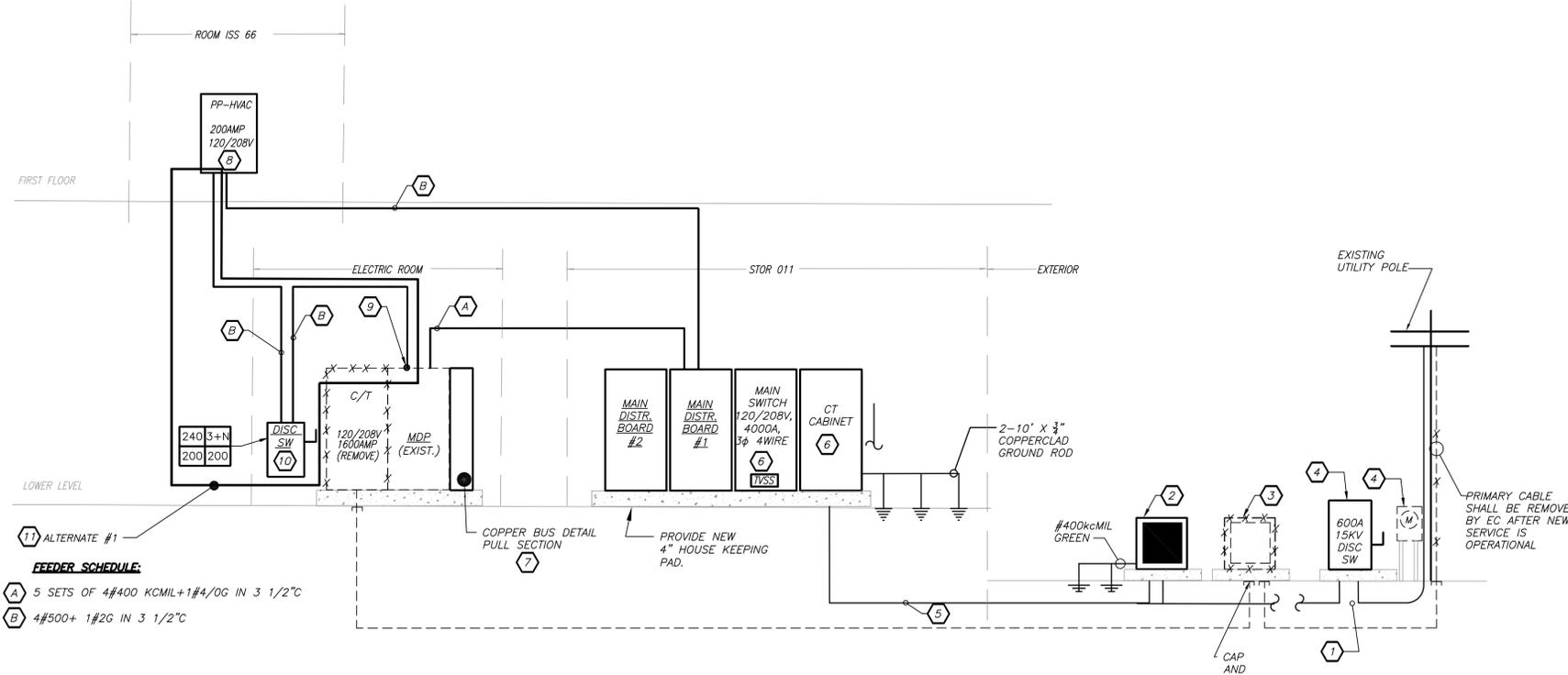
**E501**

**POWER RISER DIAGRAM NOTES:**

- ELECTRICAL CONTRACTOR SHALL PROVIDE A NEW RISER WITH 3-15KV #1/0 ALUMINUM CABLE 3M CO. CAT# 7642-S-2-2 OR UTILITY COMPANY APPROVED IN 4" RIGID GALVANIZED STEEL CONDUIT FROM 10'-0" AFF ON POLE. CONTINUE WITH 4" RIGID GALVANIZED STEEL CONDUIT AND A 2/0 BARE COPPER NEUTRAL TO BE INSTALLED IN SAME TRENCH WITH PRIMARY CABLE FROM EXISTING UTILITY POLE TO NEW TRANSFORMER AS PER UTILITY COMPANY REQUIREMENTS. PROVIDE COUPLINGS THAT WILL CONNECT TO UTILITY COMPANY'S SCHED 40 RIGID NON METALLIC PVC CONDUIT. UNDERGROUND CONDUIT SHALL BE PLACED UNDERGROUND WITH SAND BEDDING, BURIED A MIN 24" BELOW GRADE. PROVIDE CLEAN FILL FREE OF STONES LARGER THAN 1", ROOTS, DEBRIS, ETC. COORDINATE WITH UTILITY COMPANY BEFORE THE START OF ANY WORK. MARKER TAPE SHALL BE PLACED BY OTHERS 12" BELOW GRADE LABELED "HIGH VOLTAGE". CONCRETE ENCASE ACROSS ROADWAY. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES FOR PROPER CONNECTION (EX. COMPRESSION FITTINGS, BUSHINGS, ETC). BEFORE THE START OF ANY WORK THIS CONTRACTOR SHALL BE RESPONSIBLE TO HAVE ALL EXISTING UTILITIES MARKING PERFORMED IN THE AREA OF ALL WORK BEING PERFORMED BY THIS CONTRACT. THIS INCLUDES AND NOT LIMITED TO ELECTRICAL, WATER, SEWER, STORM, ETC. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.
- ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL NEW 1000 KVA THREE PHASE COMPARTMENTAL PAD-MOUNT LIQUID FILLED TRANSFORMER: HV 13200 GRD Y/7620 - STANDARD BIL. TO LV: 208Y/120 STANDARD BIL. PROVIDE STANDARD SPLIT TAPS(2 AN & 2 BN + AT 2-1/2%) EAD FRONT - LOOP FEED. WITH 200A WELLS & INSERTS. WITH QTY 1- 2 POSITION ON /OFF LOAD BREAK SWITCH. BAY-0-NET FUSES WITH CURRENT LIMITING FUSE. PROVIDE M.Q.V.E. ELBOW ARRESTERS, FR-3 FLUID SWITCH, 65 DEG C RISE, COPPER WINDING ON BOTH HV & LV SIDES, STANDARD IMPEDANCE, STANDARD IEEE RATED 12 HOLE LV SPADE TERMINALS. STANDARD ACCESSORIES INCLUDE: LIQUID LEVEL GAUG, PRESSURE/VACUUM GAUGE, DIAL TYPE THERMOMETER, DRAIN VALVE WITH SAMPLER, COVER MOUNTED PRESSURE RELIEF DEVICE. UL COMBINATION CLASSIFIED / LISTING, CONTACT HOWARD INDUSTRIES: HOWARD@IGS-INC.COM. ALL FINAL CONNECTIONS OF PRIMARY AND SECONDARY CABLES TO UTILITY TRANSFORMER SHALL BE DONE BY THIS CONTRACTOR DURING THE TIME FRAME OF ELECTRIC SERVICE SHUTDOWN THIS CONTRACTOR SHALL PROVIDE A 60KW TEMPORARY GENERATOR TO KEEP THE BUILDING OPERATIONAL AS DIRECTED BY SCHOOL DISTRICT. COORDINATE ALL SHUTDOWNS WITH ORANGE AND ROCKLAND UTILITIES, SCHOOL DISTRICT AND ARCHITECT. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.
- EXISTING UTILITY TRANSFORMERS, EXISTING SECONDARY FEEDERS, AND CONDUIT SHALL BE REMOVED ONCE NEW DISTRIBUTION BOARD IS INSTALLED AND 100% OPERATIONAL. UNDERGROUND CONDUIT SHALL HAVE FEEDER REMOVED, CAPPED, PATCHED AND PROVIDED WITH WATERPROOF CONDUIT ENDS. REMOVE EXISTING MAIN SERVICE SWITCH, METER AND C/T'S IN CABINET. C/T CABINET SHALL BE REMOVED INCLUDING EXISTING GROUNDING CONNECTIONS. NEW GROUNDING SHALL BE ESTABLISHED AT NEW MAIN DISTRIBUTION BOARD. PATCH AND WATERPROOF ALL BUILDING PENETRATIONS.
- EXISTING METER TO REMAIN. PROVIDE NEW PAD MOUNTED 15KV FUSED LINE DISCONNECT SWITCH AS PER ORANGE ROCKLAND UTILITY REQUIREMENTS.
- PROVIDE ELEVEN (11) SETS OF 4#500KCMIL IN 4" RGS CONDUIT ENCASED IN CONCRETE AND ONE (1) SPARE 4" RGS CONDUIT ENCASED IN CONCRETE. PROVIDE 4" RIGID GALVANIZED STEEL CONDUIT FROM TRANSFORMER UP TO 5' AWAY AND THEN TRANSITION TO SCHEDULE 40 CONDUIT. 5'-0" BEFORE ENTERING THE BUILDING CONDUIT SHALL TRANSITION BACK TO RIGID STEEL CONDUIT. CONDUIT SHALL BE BURIED A MINIMUM 24" BELOW GRADE. EXCAVATION, BACKFILL AND CONCRETE ENCASEMENT SHALL BE DONE BY ELECTRICAL CONTRACTOR. PROVIDE CLEAN FILL FREE OF STONES LARGER THAN 1" ROOTS, DEBRIS ETC. COORDINATE WITH UTILITY COMPANY BEFORE THE START OF ANY WORK. PROVIDE MARKER TAPE LABELED "HIGH VOLTAGE" 12" BELOW GRADE. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES FOR PROPER CONNECTION (EX. COMPRESSION FITTINGS, BUSHING, CRABS, ETC)
- PROVIDE NEW 120/208V, 4000 AMP, 3 PHASE, 4 WIRE C/T CABINET AND NEW 120/208V, 4000 AMP, 3 PHASE, 4 WIRE WITH A 4000 AMP MAIN CIRCUIT BREAKER RATED FOR 100,000 AIC. PROVIDE 2"X 1/4" GROUND COPPER BUS THE FULL LENGTH OF THE DISTRIBUTION BOARD. PROVIDE ONE 250KCMIL GROUND IN 1 1/4" CONDUIT TO STREET SIDE OF MAIN COLD WATER VALVE. REFER TO DETAILS FOR ADDITIONAL INFORMATION. PROVIDE TVSS MODEL#TK-ST300-3Y208-L BY TOTAL PROTECTION SOLUTION OR APPROVED EQUAL
- PROVIDE NEW 5 SETS 4#500KCMIL IN 4" CONDUIT FROM NEW 4000AMP SERVICE SWITCH TO NEW PULL BOX WITH COPPER BUS DETAIL IN OLD ELECTRIC ROOM. COPPER BUS DETAIL IN PULL BOX SHALL BE RATED 1600AMP TO INTERFACE WITH EXISTING DISTRIBUTION BOARD. COORDINATE SHUTDOWN WITH SCHOOL PRIOR TO START OF ANY WORK.
- PROVIDE NEW 120/208V PANELBOARD. FOR PANEL SIZE, TYPE AND CIRCUIT BREAKER ARRANGEMENT REFER TO PANEL SCHEDULE FOR ADDITIONAL INFORMATION. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES.

**POWER RISER DIAGRAM NOTES ALTERNATE #1:**

- TAP EXISTING BUS AND PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES TO MATCH THE EXISTING DISTRIBUTION BOARD. CONTRACTOR SHALL HIRE AS PART OF THIS CONTRACT A UL FIELD ENGINEERING SERVICE MEMBER TO RE-CERTIFY THE NEW BUS TAPPING THE EXISTING COPPER BUS IN THE EXISTING DISTRIBUTION BOARD TO AVOID ANY VIOLATION OF THE UL LISTING AND MEET UL LISTING REQUIREMENTS.
- CONTRACTOR SHALL MOUNT NEW DISCONNECT SWITCH PARALLEL TO EXISTING MAIN DISTRIBUTION BOARD. PROVIDE ALL SUPPORTS AND ACCESSORIES AS REQUIRED.
- ONCE NEW SWITCHGEAR IS INSTALLED EC SHALL REMOVE ALL WORK ASSOCIATED WITH ALTERNATE #2



- 11) ALTERNATE #1
- FEEDER SCHEDULE:**
- A 5 SETS OF 4#400 KCMIL+1#4/0G IN 3 1/2" C
  - B 4#500+ 1#2G IN 3 1/2" C

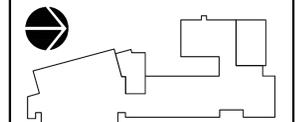
**PARTIAL ELECTRICAL POWER RISER 1**  
**E501**

PANEL DESIGNATION: <b>MDB</b>	MOUNTING: <b>SURFACE</b>
SUPPLY CHARACTERISTIC: 120/208 VOLTS, 3 PHASE, 4 WIRES	
MAIN BUS RATING: 4000 AMPS	NEUTRAL: FULL SIZE
MAIN BUS DEVICE: 4000 AMPS	USAGE: DISTRIBUTION

CKT NO.	CIRCUIT BREAKER BRANCH DEVICE			PANELBOARD	WIRE	COND.	LOAD
	DEVICE SIZE	POLES "N"-NEUT. BAR CONNECTION	OVER-CURRENT SIZE				
1	2000	3+N	1600	MDP	SEE RISER	SEE RISER	-
2	200	3+N	200	PP-HVAC	SEE RISER	SEE RISER	-
3	400	3+N	400	SPARE	SEE RISER	SEE RISER	-
4	200	3+N	200	SPARE	-	-	-
5	400	3+N	400	SPARE	-	-	-
6	400	3+N	400	SPARE	-	-	-
7	800	3+N	800	SPARE	-	-	-
8	600	3+N	600	SPARE	-	-	-
9	200	3+N	200	SPARE	-	-	-
10	200	3+N	200	SPACE	-	-	-
11	200	3+N	200	SPACE	-	-	-
12	400	3+N	400	SPACE	-	-	-
13	100	3+N	100	SPACE	-	-	-
14	100	3+N	100	SPACE	-	-	-
15	100	3+N	100	SPACE	-	-	-
16	100	3+N	100	SPACE	-	-	-
17	100	3+N	60	TVSS	3#6+1#10G	1" C	-

**NEW ELECTRICAL PANEL SCHEDULE**

CKT No.	TRIP (AMP)	LOAD	WIRE	CND. (IN.)	KVA / PHASE			KVA / PHASE CND.			WIRE	LOAD	TRIP (AMP)	CKT No.	
					A	B	C	A	B	C					
1	3							0.30			2#12+1#12G	FC-B	2	2	
3		DOAS-1	3#8+1#10G	3/4			2.4						20	4	
5	35						2.4			0.30	3/4	2#12+1#12G	FC-B	2	6
7	3						5.40						20	8	
9		HP-1	3#4+1#8G	11/4			6.40			5.40	11/4	3#4+1#8G	HP-2	3	10
11	70						6.40			5.40	11/4	3#4+1#8G		70	14
13	20	GFI ROOF	2#12+1#12G	3/4	0.20					5.40				70	14
15	20	COND PUMP	2#12+1#12G	3/4	0.20							SPARE		20	16
17	20	SPARE	-	-	-	-	-	-	-	-	-	SPARE		20	18
19	20	SPARE	-	-	-	-	-	-	-	-	-	SPARE		20	20
21	20	SPARE	-	-	-	-	-	-	-	-	-	SPARE		20	22
23	20	SPARE	-	-	-	-	-	-	-	-	-	SPARE		20	24
25	20	SPARE	-	-	-	-	-	-	-	-	-	SPARE		20	26
27	20	SPARE	-	-	-	-	-	-	-	-	-	SPARE		20	28
29	20	SPARE	-	-	-	-	-	-	-	-	-	SPARE		20	30
31	20	SPARE	-	-	-	-	-	-	-	-	-	SPARE		20	32
33	20	SPARE	-	-	-	-	-	-	-	-	-	SPARE		20	34
35	20	SPARE	-	-	-	-	-	-	-	-	-	SPARE		20	36
37	20	SPARE	-	-	-	-	-	-	-	-	-	SPARE		20	38
39	20	SPARE	-	-	-	-	-	-	-	-	-	SPARE		20	40
41	20	SPARE	-	-	-	-	-	-	-	-	-	SPARE		20	42
43	20	SPARE	-	-	-	-	-	-	-	-	-	SPARE		20	44
45	20	SPARE	-	-	-	-	-	-	-	-	-	SPARE		20	46
47	20	SPARE	-	-	-	-	-	-	-	-	-	SPARE		20	48
49	20	SPARE	-	-	-	-	-	-	-	-	-	SPARE		20	50
51	20	SPARE	-	-	-	-	-	-	-	-	-	SPARE		20	52
53	20	SPARE	-	-	-	-	-	-	-	-	-	SPARE		20	54
<b>SUBTOTALS</b>					8.0	9.0	8.8	6.00	5.70	5.70	<b>SUBTOTALS</b>				
<b>TOTAL LOADS</b>					14.0	<b>PHASE A</b>			<b>LIGHTING:</b>			0.00	<b>KVA</b>		
					14.7	<b>PHASE B</b>			<b>RECEPTACLE:</b>			0.00	<b>KVA</b>		
					14.5	<b>PHASE C</b>			<b>KITCHEN:</b>			0.00	<b>KVA</b>		
<b>TOTAL CONN. LOAD</b>					43.2	<b>KVA 120 A</b>			<b>MOTOR:</b>			42.80	<b>KVA</b>		
<b>TOTAL DEMAND LOAD</b>					43.2	<b>KVA 120 A</b>			<b>POWER:</b>			0.40	<b>KVA</b>		
								<b>TOTAL:</b>			43.20	<b>KVA</b>			



KEY PLAN

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAETER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGA&D) AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGA&D.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 18, SECT. 185 (b) OF NEW YORK STATE LAW.  
COPYRIGHT KAETER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

No. Date Issue

Sheet Title

**LIBERTY ES  
RISER AND  
SCHEDULES**

Job No. 2021-1055 Date 11/06/2023

Scale AS NOTED Drawn / Checked BGA / BGA

Sheet Number

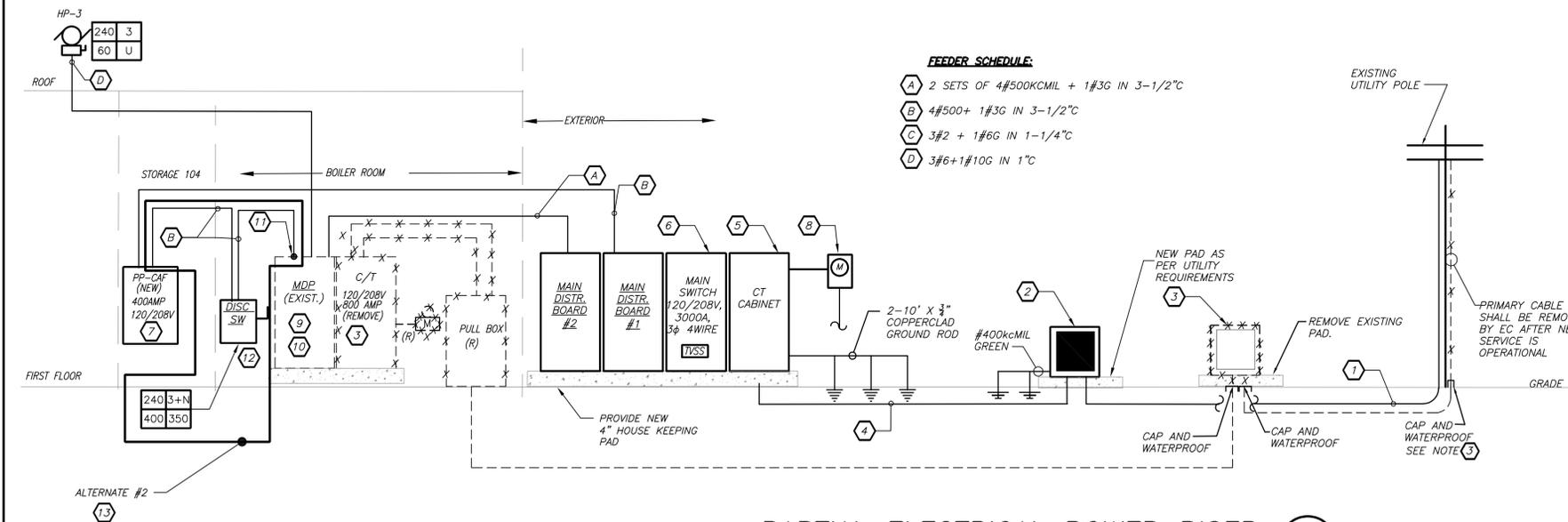
**E502**

**POWER RISER DIAGRAM NOTES:**

- 1 ELECTRICAL CONTRACTOR SHALL PROVIDE A NEW RISER WITH 3-15KV #1/0 ALUMINUM CABLE 3M CO. CAT# 7642-S-2-2 OR UTILITY COMPANY APPROVED IN 4" RIGID GALVANIZED STEEL CONDUIT FROM 10'-0" AFF ON POLE. CONTINUE WITH 4" RIGID GALVANIZED STEEL CONDUIT AND A 2/0 BARE COPPER NEUTRAL TO BE INSTALLED IN SAME TRENCH WITH PRIMARY CABLE FROM EXISTING UTILITY POLE TO NEW TRANSFORMER AS PER UTILITY COMPANY REQUIREMENTS. PROVIDE COUPLINGS THAT WILL CONNECT TO UTILITY COMPANY'S SCHED 40 RIGID NON METALLIC PVC CONDUIT. UNDERGROUND CONDUIT SHALL BE PLACED UNDERGROUND WITH SAND BEDDING, BURIED A MIN 24" BELOW GRADE. PROVIDE CLEAN FILL FREE OF STONES LARGER THAN 1", ROOTS, DEBRIS, ETC. COORDINATE WITH UTILITY COMPANY BEFORE THE START OF ANY WORK. MARKER TAPE SHALL BE PLACED BY OTHERS 12" BELOW GRADE LABELED "HIGH VOLTAGE". CONCRETE ENCASE ACROSS ROADWAY. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES FOR PROPER CONNECTION (EX. COMPRESSION FITTINGS, BUSHINGS, ETC). BEFORE THE START OF ANY WORK THIS CONTRACTOR SHALL BE RESPONSIBLE TO HAVE ALL EXISTING UTILITIES MARKING PERFORMED IN THE AREA OF ALL WORK BEING PERFORMED BY THIS CONTRACT. THIS INCLUDES AND NOT LIMITED TO ELECTRICAL, WATER, SEWER, STORM, ETC. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.
- 2 NEW 3Ø, 4W 13.2KV PRIMARY/120/208V SECONDARY PAD MOUNTED UTILITY TRANSFORMER, FURNISHED BY UTILITY COMPANY AND INSTALLED BY THIS CONTRACTOR. ALL FINAL CONNECTIONS OF PRIMARY AND SECONDARY CABLES TO UTILITY TRANSFORMER SHALL BE DONE BY THIS CONTRACTOR. DURING THE TIME FRAME OF ELECTRIC SERVICE SHUTDOWN THIS CONTRACTOR SHALL PROVIDE A 60KW TEMPORARY GENERATOR TO KEEP THE BUILDING OPERATIONAL AS DIRECTED BY SCHOOL DISTRICT. COORDINATE ALL SHUTDOWNS WITH ORANGE AND ROCKLAND UTILITIES, SCHOOL DISTRICT AND ARCHITECT. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.
- 3 EXISTING UTILITY TRANSFORMERS, EXISTING SECONDARY FEEDERS, AND CONDUIT SHALL BE REMOVED ONCE NEW DISTRIBUTION BOARD IS INSTALLED AND 100% OPERATIONAL. UNDERGROUND CONDUIT SHALL HAVE FEEDER REMOVED, CAPPED, PATCHED AND PROVIDED WITH WATERPROOF CONDUIT ENDS. REMOVE EXISTING MAIN SERVICE SWITCH, METER (INCLUDING CONDUIT AND WIRE) AND C/T'S IN CABINET AND RETURN TO UTILITY COMPANY. C/T CABINET SHALL BE REMOVED INCLUDING EXISTING GROUNDING CONNECTIONS. NEW GROUNDING SHALL BE ESTABLISHED AT NEW MAIN DISTRIBUTION BOARD. PATCH AND WATERPROOF ALL BUILDING PENETRATIONS TO MATCH SURROUNDING WALL TYPE AND COLOR. TRANSFORMERS SHALL BE PLACED AT PROPERTY LINE FOR UTILITY COMPANY TO PICKUP.
- 4 PROVIDE EIGHT (8) SETS OF 4#500KCMIL IN 4" RGS CONDUIT ENCASED IN CONCRETE AND ONE (1) SPARE 4" RGS CONDUIT ENCASED IN CONCRETE. CONDUIT SHALL BE BURIED A MINIMUM 24" BELOW GRADE. EXCAVATION, BACKFILL AND CONCRETE ENCASUREMENT SHALL BE DONE BY ELECTRICAL CONTRACTOR. PROVIDE CLEAN FILL FREE OF STONES LARGER THAN 1" ROOTS, DEBRIS ETC. COORDINATE WITH UTILITY COMPANY BEFORE THE START OF ANY WORK. PROVIDE MARKER TAPE LABELED "HIGH VOLTAGE" 12" BELOW GRADE. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES FOR PROPER CONNECTION (EX. COMPRESSION FITTINGS, BUSHING, CRABS, ETC)
- 5 PROVIDE NEW NEMA 3R RATED 120/208V, 3000 AMP, 3 PHASE, 4 WIRE C/T CABINET. COORDINATE WITH UTILITY COMPANY BEFORE THE START OF ANY WORK ALL REQUIREMENTS ASSOCIATED WITH C/T'S AND METERING EQUIPMENT.
- 6 PROVIDE NEW NEMA 3R RATED 120/208V, 3000 AMP, 3 PHASE, 4 WIRE WITH A 3000 AMP MAIN CIRCUIT BREAKER RATED FOR 100,000 AIC. PROVIDE 2" 1/4" GROUND COPPER BUS THE FULL LENGTH OF THE DISTRIBUTION BOARD. PROVIDE ONE 250KCMIL GROUND IN 1 1/4" CONDUIT TO STREET SIDE OF MAIN COLD WATER VALVE. REFER TO DETAILS FOR ADDITIONAL INFORMATION. PROVIDE TVSS MODEL #TK-ST300-3Y208-L BY TOTAL PROTECTION SOLUTION OR APPROVED EQUAL.
- 7 PROVIDE NEW 120/208V PANELBOARD AS SHOWN. REFER TO PANEL SCHEDULE FOR PANEL SIZE, TYPE AND CIRCUIT BREAKER ARRANGEMENT.
- 8 PROVIDE NEW EXTERIOR GRADE UTILITY METER. METER SHALL BE INSTALLED ON THE EXTERIOR WALL NOT FURTHER THEN 50FT OF THE CT CABINET. COORDINATE WITH UTILITY COMPANY AND ARCHITECT BEFORE START OF ANY WORK.
- 9 EXISTING MAIN DISTRIBUTION PANEL SHALL BE BACK FEED FROM NEW MAIN DISTRIBUTION BOARD.
- 10 PROVIDE 3P-40AMP CIRCUIT BREAKER IN THE SPACE AVAILABLE IN THE EXISTING MAIN SWITCHBOARD. PROVIDE ALL ACCESSORIES.

**POWER RISER DIAGRAM NOTES ALTERNATE #2:**

- 11 TAP EXISTING BUS AND PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES TO MATCH THE EXISTING DISTRIBUTION BOARD. CONTRACTOR SHALL HIRE AS PART OF THIS CONTRACT A UL FIELD ENGINEERING SERVICE MEMBER TO RE-CERTIFY THE NEW BUS TAPPING THE EXISTING COPPER BUS IN THE EXISTING DISTRIBUTION BOARD TO AVOID ANY VIOLATION OF THE UL LISTING AND MEET UL LISTING REQUIREMENTS.
- 12 CONTRACTOR SHALL MOUNT NEW DISCONNECT SWITCH PARALLEL TO EXISTING MAIN DISTRIBUTION BOARD. PROVIDE ALL SUPPORTS AND ACCESSORIES AS REQUIRED.
- 13 ONCE NEW SWITCHGEAR IS INSTALLED EC SHALL REMOVE ALL WORK ASSOCIATED WITH ALTERNATE #2.

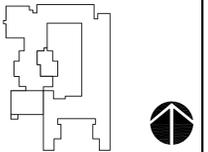


**PARTIAL ELECTRICAL POWER RISER** 1  
E502

PANEL DESIGNATION: <b>MDB</b>	MOUNTING: <b>SURFACE</b>
SUPPLY CHARACTERISTIC 120/208 VOLTS, 3 PHASE, 4 WIRES	
MAIN BUS RATING: 3000 AMPS	NEUTRAL: FULL SIZE
MAIN BUS DEVICE: M.L.O. AMPS	USAGE: DISTRIBUTION

CKT NO.	CIRCUIT BREAKER BRANCH DEVICE		PANELBOARD	WIRE	COND.	LOAD
	DEVICE SIZE	POLES "N"-NEUT. BAR CONNECTION				
1	1000	3+N	800	MDP	SEE RISER	SEE RISER
2	200	3+N	110	SPARE	SEE RISER	SEE RISER
3	400	3+N	400	PP-CAF	SEE RISER	SEE RISER
4	200	3+N	200	SPARE	-	-
5	400	3+N	400	SPARE	-	-
6	400	3+N	400	SPARE	-	-
7	800	3+N	800	SPARE	-	-
8	600	3+N	600	SPARE	-	-
9	200	3+N	200	SPARE	-	-
10	200	3+N	200	SPARE	-	-
11	200	3+N	200	SPACE	-	-
12	400	3+N	400	SPACE	-	-
13	100	3+N	100	SPACE	-	-
14	100	3+N	100	SPACE	-	-
15	100	3+N	100	SPACE	-	-
16	100	3+N	100	SPACE	-	-
17	100	3+N	60	TVSS	3#6+1#10G	1°C

NEW ELECTRICAL PANEL SCHEDULE											
PANEL	PANEL	MOUNTING	SURFACE	X	MAIN LUGS ONLY			MAIN C BKR-	GROUND BUS:	X	
					FLUSH	DOUBLE LUGS	350A/3P				ISOLATED GROUND BUS:
208Y/120, 3 PHASE, 4 WIRE	22,000MIN A.I.C. SYM	(NEMA 1)	FLUSH	IN MCC	FEED THRU LUG	MAIN BUS -	400A	TVSS:	NUMBER OF POLES:	54	
NEUTRAL: 100%					SHUNT TRIP MAIN						
CKT TRIP	LOAD	WIRE	CND.	KVA / PHASE		KVA / PHASE	CND.	WIRE	LOAD	TRIP	CKT
No. (AMP)		(IN.)	A B C			A B C (IN.)			(AMP)	No.	
1 2	HP-4	3#10+1#10RG	3/4	1.6		0.75		3/4	3#10+1#10G	RTU ACCESSORY	3 2
3 30				1.6		0.75					4
5 20	SPARE					0.75					25 6
7 20	ROOF GFI	2#12+1#12G		0.50		1.60		3/4	3#10+1#10G	HP-5	2 8
9 3				0.40		1.60					30 10
11 3	ERV-1	3#12+1#12G	3/4		0.40					SPARE	20 12
13 20				0.40		0.10		3/4	3#12+1#12G	FC-A	2 14
15 2	AHU COMMS	3#12+1#12G	3/4		0.10					SPARE	20 16
17 20				0.10						SPARE	20 18
19 3				11.5						SPARE	20 20
21	RTU-1	3#2+1#8G	1 1/4	11.5						SPARE	20 22
23 110				11.5						SPARE	20 24
25 20	SPARE									SPARE	20 26
27 20	SPARE									SPARE	20 28
29 20	SPARE									SPARE	20 30
31 20	SPARE									SPARE	20 32
33 20	SPARE									SPARE	20 34
35 20	SPARE									SPARE	20 36
37 20	SPARE									SPARE	20 38
39 20	SPARE									SPARE	20 40
41 20	SPARE									SPARE	20 42
43 20	SPARE									SPARE	20 44
45 20	SPARE									SPARE	20 46
47 20	SPARE									SPARE	20 48
49 20	SPARE									SPARE	20 50
51 20	SPARE									SPARE	20 52
53 20	SPARE									SPARE	20 54
SUBTOTALS			14.0	13.6	12.0	2.45	2.45	0.75	SUBTOTALS		
TOTAL LOADS			16.5 KVA	PHASE A					LIGHTING:	0.00 KVA	
			16.1 KVA	PHASE B					RECEPTACLE:	0.00 KVA	
			12.8 KVA	PHASE C					KITCHEN:	0.00 KVA	
TOTAL CONN. LOAD			45.3 KVA	126	A				MOTOR:	45.25 KVA	
TOTAL DEMAND LOAD			45.3 KVA	126	A				POWER:	0.00 KVA	
									TOTAL:	45.25 KVA	



KEY PLAN

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAETER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGD) AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 18, SECT. 185 (b) OF NEW YORK STATE LAW. COPYRIGHT KAETER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

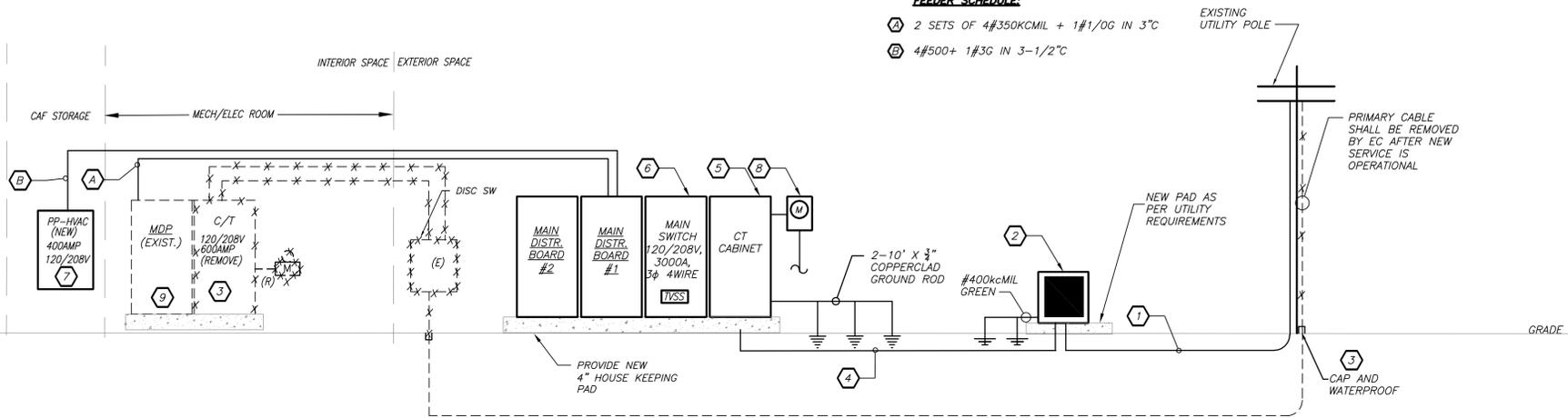
Sheet Title  
**VALLEY COTTAGE ES  
RISER AND  
SCHEDULE**

Job No.	2021-1055	Date	11/06/2023
Scale	AS NOTED	Drawn / Checked	BGA / BGA

Sheet Number  
**E503**

**FEEDER SCHEDULE:**

- Ⓐ 2 SETS OF 4#350KCMIL + 1#1/0G IN 3" C
- Ⓑ 4#500+ 1#3G IN 3-1/2" C



**PARTIAL ELECTRICAL POWER RISER** 1 E503

**POWER RISER DIAGRAM NOTES:**

- 1 ELECTRICAL CONTRACTOR SHALL PROVIDE A NEW RISER WITH 3-15KV #1/0 ALUMINUM CABLE 3M CO. CAT# 7642-S-2-2 OR UTILITY COMPANY APPROVED IN 4" RIGID GALVANIZED STEEL CONDUIT FROM 10'-0" AFF ON POLE. CONTINUE WITH 4" RIGID GALVANIZED STEEL CONDUIT AND A 2/0 BARE COPPER NEUTRAL TO BE INSTALLED IN SAME TRENCH WITH PRIMARY CABLE FROM EXISTING UTILITY POLE TO NEW TRANSFORMER AS PER UTILITY COMPANY REQUIREMENTS. PROVIDE COUPLINGS THAT WILL CONNECT TO UTILITY COMPANY'S SCHED 40 RIGID NON METALLIC PVC CONDUIT. UNDERGROUND CONDUIT SHALL BE PLACED UNDERGROUND WITH SAND BEDDING, BURIED A MIN 24" BELOW GRADE. PROVIDE CLEAN FILL FREE OF STONES LARGER THAN 1", ROOTS, DEBRIS, ETC. COORDINATE WITH UTILITY COMPANY BEFORE THE START OF ANY WORK. MARKER TAPE SHALL BE PLACED BY OTHERS 12" BELOW GRADE LABELED "HIGH VOLTAGE". CONCRETE ENCASE ACROSS ROADWAY. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES FOR PROPER CONNECTION (EX. COMPRESSION FITTINGS, BUSHINGS, ETC). BEFORE THE START OF ANY WORK THIS CONTRACTOR SHALL BE RESPONSIBLE TO HAVE ALL EXISTING UTILITIES MARKING PERFORMED IN THE AREA OF ALL WORK BEING PERFORMED BY THIS CONTRACT. THIS INCLUDES AND NOT LIMITED TO ELECTRICAL, WATER, SEWER, STORM, ETC. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.
- 2 NEW 3Ø, 4W 13.2KV PRIMARY/120/208V SECONDARY PAD MOUNTED UTILITY TRANSFORMER, FURNISHED BY UTILITY COMPANY AND INSTALLED BY THIS CONTRACTOR. ALL FINAL CONNECTIONS OF PRIMARY AND SECONDARY CABLES TO UTILITY TRANSFORMER SHALL BE DONE BY THIS CONTRACTOR. DURING THE TIME FRAME OF ELECTRIC SERVICE SHUTDOWN THIS CONTRACTOR SHALL PROVIDE A 60KW TEMPORARY GENERATOR TO KEEP THE BUILDING OPERATIONAL AS DIRECTED BY SCHOOL DISTRICT. COORDINATE ALL SHUTDOWNS WITH ORANGE AND ROCKLAND UTILITIES, SCHOOL DISTRICT AND ARCHITECT. REFER TO SPECIFICATION FOR ADDITIONAL INFORM.
- 3 EXISTING UTILITY TRANSFORMERS, EXISTING SECONDARY FEEDERS, AND CONDUIT SHALL BE REMOVED ONCE NEW DISTRIBUTION BOARD IS INSTALLED AND 100% OPERATIONAL. UNDERGROUND CONDUIT SHALL HAVE FEEDER REMOVED, CAPED, PATCHED AND PROVIDED WITH WATERPROOF CONDUIT ENDS. REMOVE EXISTING MAIN SERVICE SWITCH, METER (INCLUDING CONDUIT AND WIRE) AND C/T'S IN CABINET AND RETURN TO UTILITY COMPANY. C/T CABINET SHALL BE REMOVED INCLUDING EXISTING GROUNDING CONNECTIONS. NEW GROUNDING SHALL BE ESTABLISHED AT NEW MAIN DISTRIBUTION BOARD, PATCH AND WATERPROOF ALL BUILDING PENETRATIONS TO MATCH SURROUNDING WALL TYPE AND COLOR. TRANSFORMERS SHALL BE PLACED AT PROPERTY LINE FOR UTILITY COMPANY TO PICKUP.
- 4 PROVIDE EIGHT (8) SETS OF 4#500KCMIL IN 4" RGS CONDUIT ENCASED IN CONCRETE AND ONE (1) SPARE 4" RGS CONDUIT ENCASED IN CONCRETE. CONDUIT SHALL BE BURIED A MINIMUM 24" BELOW GRADE. EXCAVATION, BACKFILL AND CONCRETE ENCASEMENT SHALL BE DONE BY ELECTRICAL CONTRACTOR. PROVIDE CLEAN FILL FREE OF STONES LARGER THAN 1" ROOTS, DEBRIS ETC. COORDINATE WITH UTILITY COMPANY BEFORE THE START OF ANY WORK. PROVIDE MARKER TAPE LABELED "HIGH VOLTAGE" 12" BELOW GRADE. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES FOR PROPER CONNECTION (EX. COMPRESSION FITTINGS, BUSHING, CRABS, ETC).
- 5 PROVIDE NEW NEMA 3R RATED 120/208V, 3000 AMP, 3 PHASE, 4 WIRE C/T CABINET. COORDINATE WITH UTILITY COMPANY BEFORE THE START OF ANY WORK ALL REQUIREMENTS ASSOCIATED WITH C/T'S AND METERING EQUIPMENT.
- 6 PROVIDE NEW NEMA 3R RATED 120/208V, 3000 AMP, 3 PHASE, 4 WIRE WITH A 3000 AMP MAIN CIRCUIT BREAKER RATED FOR 100,000 AIC. PROVIDE 2"x4" GROUND COPPER BUS THE FULL LENGTH OF THE DISTRIBUTION BOARD. PROVIDE ONE 250KCMIL GROUND IN 1 1/4" CONDUIT TO STREET SIDE OF MAIN COLD WATER VALVE. REFER TO DETAILS FOR ADDITIONAL INFORMATION. PROVIDE TVSS MODEL #TK-ST300-3Y208-L BY TOTAL PROTECTION SOLUTION OR APPROVED EQUAL.
- 7 PROVIDE NEW 120/208V PANELBOARD AS SHOWN. REFER TO PANEL SCHEDULE FOR PANEL SIZE, TYPE AND CIRCUIT BREAKER ARRANGEMENT.
- 8 PROVIDE NEW EXTERIOR GRADE UTILITY METER. METER SHALL BE INSTALLED ON THE EXTERIOR WALL NOT FURTHER THEN 50FT OF THE CT CABINET. COORDINATE WITH UTILITY COMPANY AND ARCHITECT BEFORE START OF ANY WORK.
- 9 EXISTING MAIN DISTRIBUTION PANEL SHALL BE BACK FEED FROM NEW MAIN DISTRIBUTION BOARD.

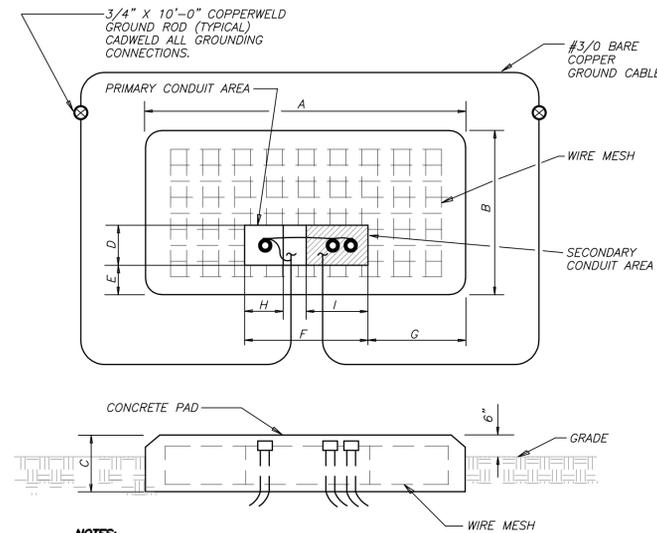
PANEL DESIGNATION: <b>MDB</b>		MOUNTING: <b>SURFACE</b>					
SUPPLY CHARACTERISTIC 120/208 VOLTS, 3 PHASE, 4 WIRES							
MAIN BUS RATING: 3000 AMPS		NEUTRAL: FULL SIZE					
MAIN BUS DEVICE: M.L.O. AMPS		USAGE: DISTRIBUTION					
CKT NO.	CIRCUIT BREAKER BRANCH DEVICE			PANELBOARD	WIRE	COND.	LOAD
	DEVICE SIZE	POLES "N"-NEUT. BAR CONNECTION	OVER-CURRENT SIZE				
1	1000	3+N	800	MDP	SEE RISER	SEE RISER	-
2	400	3+N	350	PP-HVAC	SEE RISER	SEE RISER	-
3	400	3+N	400	SPARE	SEE RISER	SEE RISER	-
4	200	3+N	200	SPARE	-	-	-
5	400	3+N	400	SPARE	-	-	-
6	400	3+N	400	SPARE	-	-	-
7	800	3+N	800	SPARE	-	-	-
8	600	3+N	600	SPARE	-	-	-
9	200	3+N	200	SPARE	-	-	-
10	200	3+N	200	SPARE	-	-	-
11	200	3+N	200	SPACE	-	-	-
12	400	3+N	400	SPACE	-	-	-
13	100	3+N	100	SPACE	-	-	-
14	100	3+N	100	SPACE	-	-	-
15	100	3+N	100	SPACE	-	-	-
16	100	3+N	100	SPACE	-	-	-
17	100	3+N	60	TVSS	3#6+1#10G	1" C	-

CKT No.	TRIP (AMP)	LOAD	WIRE (IN.)	KVA / PHASE	MAIN LUGS ONLY			MAIN C BKR- 350A/3P	GROUND BUS: ISOLATED GROUND BUS: TVSS: NUMBER OF POLES: 54	
					A	B	C			
1	3	ERV-2	3#10+1#10G 3/4	2.5				0.10	2	
3	25			2.5				0.10	4	
5	25			2.5				0.30	6	
7	2	FC-B	2#12+1#12G 3/4	0.30				0.30	8	
9	20			0.30				3.10	10	
11	3			3.40				3.10	12	
13	3	HP-7A	3#8+1#10G 3/4	3.40				3.10	14	
15	40			3.40				3.10	16	
17	2	AHU COMMU	2#12+1#12G 3/4	0.20				3.10	18	
19	20			0.20				3.10	20	
21	3			6.00				0.20	22	
23	80	HP-7B	3#4+1#8G 11/4	6.00				-	24	
25	80			6.00				-	26	
27		SPARE	-	-				-	28	
29	20	SPARE	-	-				-	30	
31	20	SPARE	-	-				-	32	
33	20	SPARE	-	-				-	34	
35	20	SPARE	-	-				-	36	
37	20	SPARE	-	-				-	38	
39	20	SPARE	-	-				-	40	
41	20	SPARE	-	-				-	42	
43	20	SPARE	-	-				-	44	
45	20	SPARE	-	-				-	46	
47	20	SPARE	-	-				-	48	
49	20	SPARE	-	-				-	50	
51	20	SPARE	-	-				-	52	
53	20	SPARE	-	-				-	54	
SUBTOTALS				12.4	12.2	12.1	6.60	6.50	6.50	
TOTAL LOADS				19.0 KVA PHASE A	LIGHTING: 0.00 KVA					
				18.7 KVA PHASE B	RECEPTACLE: 0.00 KVA					
				18.6 KVA PHASE C	KITCHEN: 0.00 KVA					
TOTAL CONN. LOAD				56.3 KVA 156 A	MOTOR: 56.10 KVA					
TOTAL DEMAND LOAD				56.3 KVA 156 A	POWER: 0.20 KVA					
					TOTAL: 56.30 KVA					

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

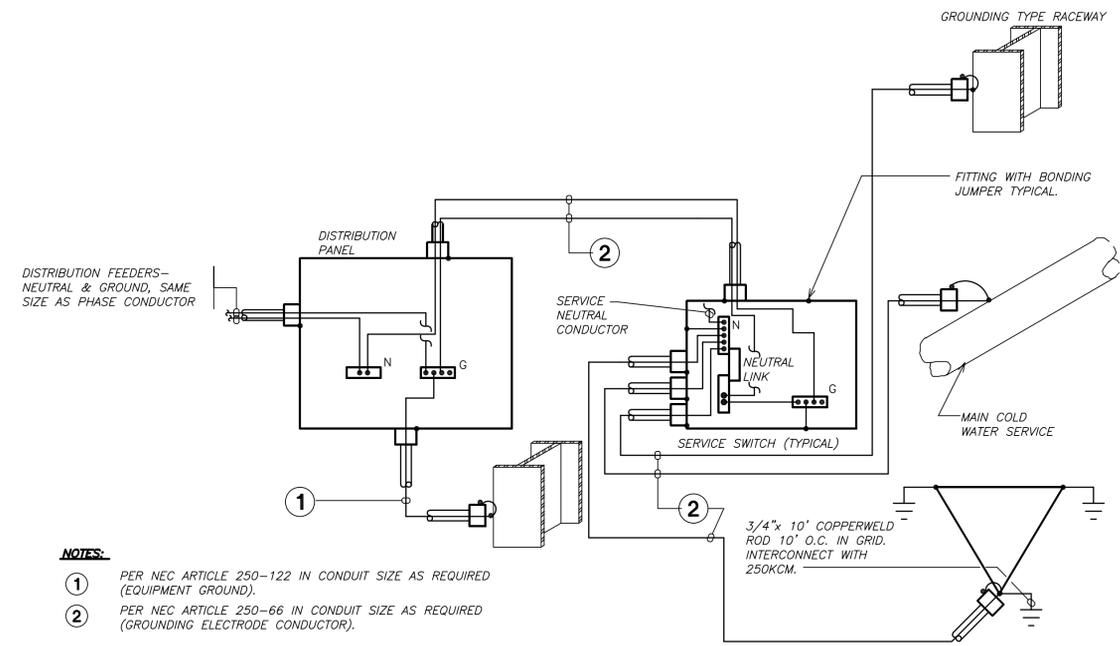


TRANSFORMER SIZE-KVA	A	B	C	D	E	F	G	H	I
75-225	8'-0"	6'-6"	1'-0"	1'-1"	1'-4"	3'-0"	2'-6"	1'-0"	1'-4"
300-500	8'-6"	7'-3"	1'-0"	1'-1"	1'-4"	3'-6"	2'-0"	1'-0"	1'-6"



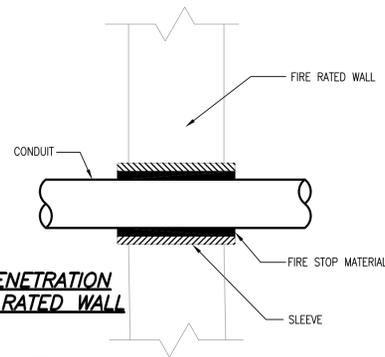
- NOTES:**
- PAD SHALL HAVE 3'-0" OF CRUSHED STONE BENEATH.
  - CONCRETE PAD SHALL CONTAIN 6"x6"x6" WIRE MESH.
  - SECONDARY TO TRANSFORMER SHALL SUIT LOAD AND SITE CONDITIONS.
  - CONDUITS NOT TO EXTEND ABOVE PAD.
  - CHAMFER ALL EXPOSED EDGES.
  - IF REQUIRED, TWO (2) CONDUITS MAY BE USED IN PRIMARY CONDUIT AREA.

**THREE PHASE TRANSFORMER CONCRETE PAD DETAIL** (2) E701 N.T.S.



- NOTES:**
- PER NEC ARTICLE 250-122 IN CONDUIT SIZE AS REQUIRED (EQUIPMENT GROUND).
  - PER NEC ARTICLE 250-66 IN CONDUIT SIZE AS REQUIRED (GROUNDING ELECTRODE CONDUCTOR).

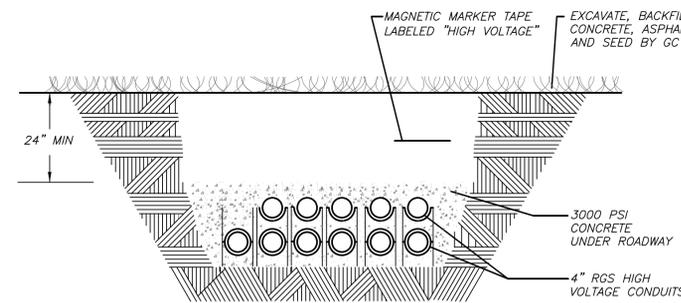
**SCHEMATIC SERVICE GROUNDING SYSTEM** (1) E701 N.T.S.



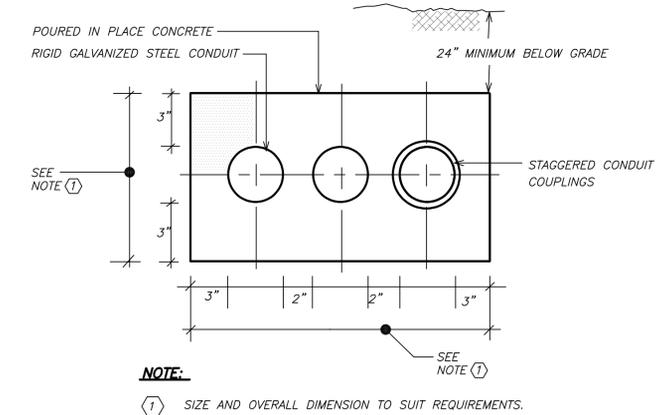
**CONDUIT PENETRATION THRU FIRE RATED WALL**

- NOTES:**
- USE WHERE CONDUITS PASS THRU FIRE RATED WALL.
  - WHERE CONDUITS PASS THRU CONCRETE BEAM, BRICK WALL, OR WATER PROOF FLOORS, USE PIPE SLEEVES.

**CONDUIT PENETRATION DETAILS** (5) E701 N.T.S.



**HIGH VOLTAGE TRENCH DETAIL** (4) E701 N.T.S.



- NOTE:**
- SIZE AND OVERALL DIMENSION TO SUIT REQUIREMENTS.

**CONCRETE ENCASED CONDUIT BANK DETAIL** (3) E701 N.T.S.

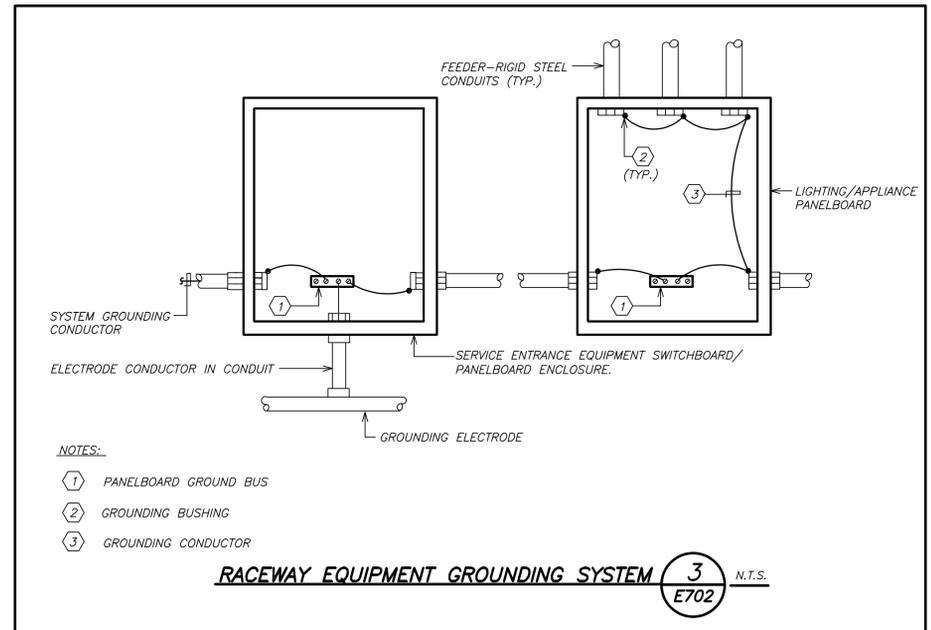
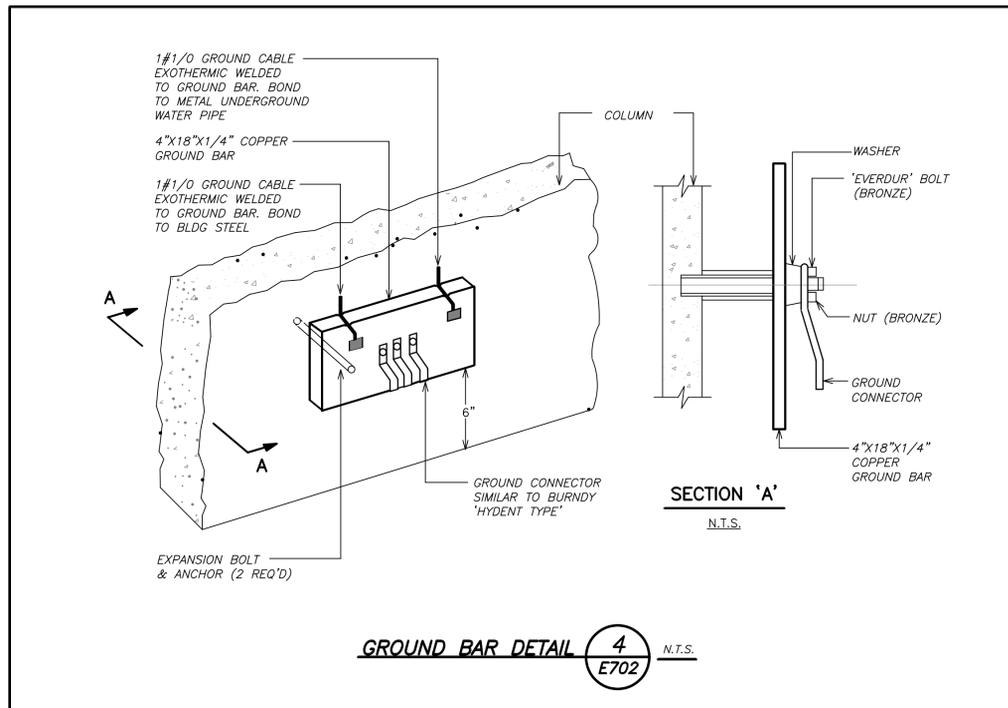
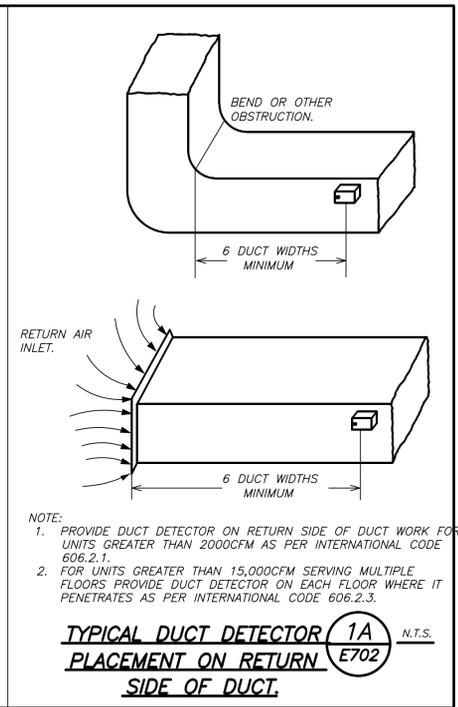
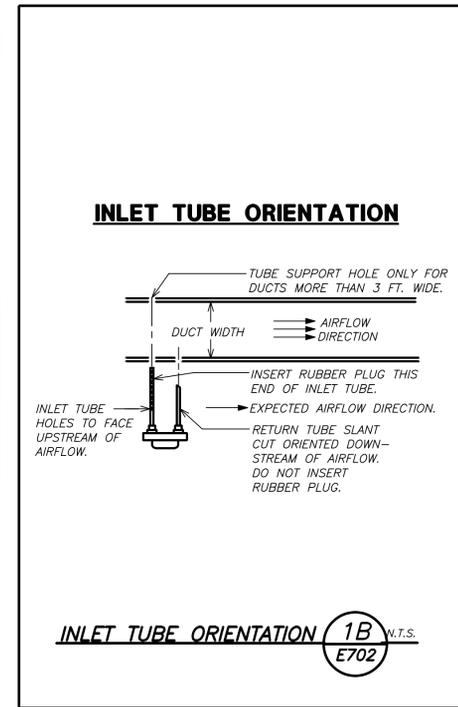
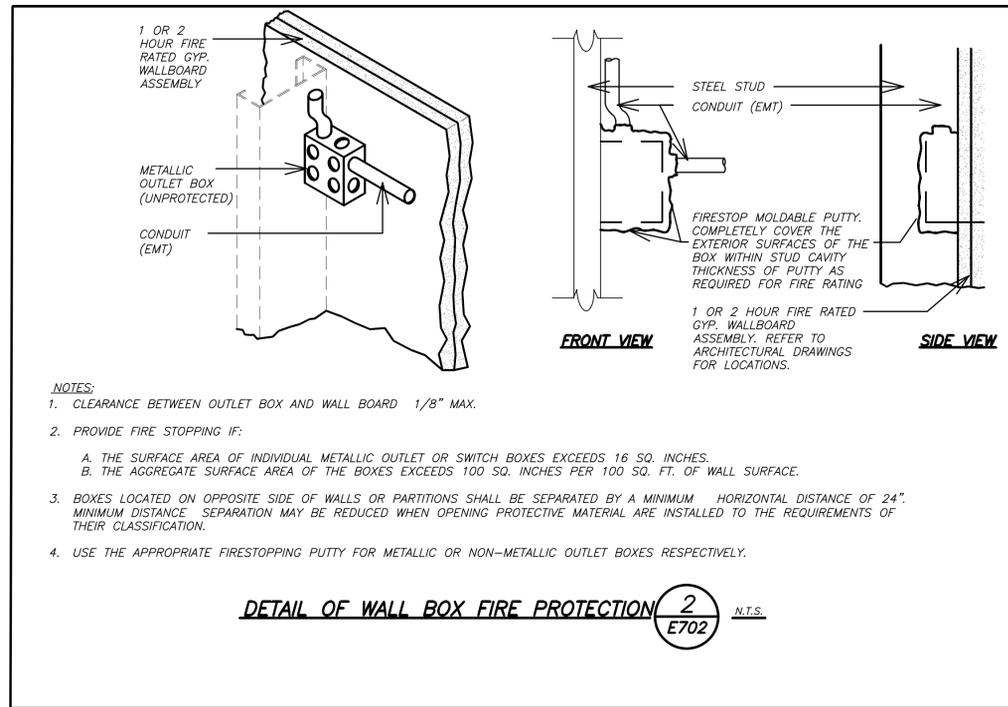
No.	Date	Issue
4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN

Sheet Title

**DETAILS**

Job No.	2021-1055	Date	11/06/2023
Scale	AS NOTED	Drawn / Checked	BGA / BGA

Sheet Number **E701**



BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

DISTRICT WIDE AIR CONDITIONING CAFETERIAS & GLOBAL LEARNING COMMONS

NYACK UNION FREE SCHOOL DISTRICT

13 A Dickinson Avenue  
Nyack, NY 10960

**KG+D** listen imagine build  
**KG+D ARCHITECTS, PC**  
 285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
 P: 914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
 MS: 50-03-04-03-0-004-020  
 LIBERTY: 50-03-04-03-0-006-016  
 VALLEY COTTAGE: 50-03-04-03-0-001-016  
 UPPER NYACK: 50-03-04-03-0-023

CONSTRUCTION DOCUMENTS

**bga**  
 BARILE GALLAGHER & ASSOCIATES  
 CONSULTING ENGINEERS  
 30 MARBLE AVE. PLASANTVILLE, NY 10576  
 PHONE: 914.326.8990 FAX: 914.326.8004 Gcon@BGA-Eng.com

KEY PLAN

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAETZ, GARMENT, & DAVIDSON ARCHITECTS, PC (KGAD) AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED IN OR SUCCESSOR TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 18, SECT. 185 (b) OF NEW YORK STATE LAW. COPYRIGHT KAETZ, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

4	11/06/2023	ISSUE FOR BID
3	05/17/2022	CONSTRUCTION DOCUMENTS
2	05/03/2022	DESIGN DEVELOPMENT
1	04/08/2022	SCHEMATIC DESIGN
No.	Date	Issue

Sheet Title

DETAILS

Job No.	2021-1055	Date	11/06/2023
Scale	AS NOTED	Drawn / Checked	BGA / BGA

Sheet Number **E702**