

# A D D E N D U M 1

The items set forth herein, whether of omission, addition, substitution or clarification are to be included in and form a part of the construction documents for the project listed above.

This Addendum consists of the following information:

<b>Part 1</b>	<b>Division 00, Procurement and Contract Requirements</b>	
<b>Part 2</b>	<b>Technical Changes, Architectural, Structural and Civil</b>	
Part 3	Technical Changes, Mechanical, Electrical and Plumbing .....	NOT USED
Part 4	Drawing Changes, Architectural and Civil .....	NOT USED
Part 5	Drawing Changes, Structural .....	NOT USED
<b>Part 6</b>	<b>Drawing Changes, Mechanical, Electrical and Plumbing</b>	
<b>Part 7</b>	<b>Clarifications</b>	
<b>Part 8</b>	<b>New Issues – List of Included Documents</b>	

**Part 1 Division 00, Procurement and Contract Requirements**

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1. 004300 BID BOND – AIA DOCUMENT A310
  - a) Removed incorrect owner information. New form included with this addendum.
2. Project Budget:
 

Contract No. 1 – General Construction:	\$ 1,600,000.00
Contract No. 2 - HVAC:	\$ 3,840,000.00
Contract No. 3 - Electrical:	\$ 960,000.00

**Part 2 Technical Changes, Architectural, Structural and Civil**

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1. 015000 TEMPORARY FACILITIES AND CONTROLS
  - a) Part 2.1 A. 1. – REMOVE requirement of GC to provide a field trailer for all separate prime Contractors' use at the High School.
2. 095113 ACOUSTICAL PANEL CEILINGS
  - a) Part 2.2 B. 15. - CHANGE basis of design product to Armstrong model #1772 square lay-in.

**Part 6 Drawing Changes, Mechanical, Electrical and Plumbing**

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1. DRAWING H203-HG HORACE GREELEY PART BUILDING "H" FLOOR PLAN
  - a) ADD F&T steam trap serving DOAS-1 in ceiling of cafeteria in lieu of inside unit to prevent freezing.
2. DRAWING E101-BE ROBERT E. BELL FIRST FLOOR PART REMOVAL PLAN
  - a) Refer to revised drawing included in this addendum.
3. DRAWING E301-BE ROBERT E. BELL FIRST FLOOR PART POWER PLAN
  - a) Refer to revised drawing included in this addendum.
4. DRAWING E501-SB SEVEN BRIDGES RISER & SCHEDULE
  - a) Refer to revised drawing included in this addendum.
5. DRAWING E101-HG HORACE GREELEY BUILDING "A" REMOVAL PLAN
  - a) Refer to revised drawing included in this addendum.

- 6. DRAWING E301-HG HORACE GREELEY BUILDING “A” POWER PLAN
  - a) Refer to revised drawing included in this addendum.
- 7. DRAWING E303-HG HORACE GREELEY BUILDING “H” POWER PLAN
  - a) ADD power for condensate pumps.
- 8. DRAWING E501-HG HORACE GREELEY POWER RISER
  - a) Refer to revised drawing included in this addendum.
- 9. DRAWING E601-HG HORACE GREELEY SCHEDULE
  - a) Refer to revised drawing included in this addendum.

**Part 7 Clarifications**

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- 1. Existing 20 year roof warranties issued by Tremco shall be maintained when performing work.
- 2. DRAWING A101-HG HORACE GREELEY HIGH SCHOOL PLANS & DETAILS
  - a) L1&L2/A101-HG: Notes that contractors shall “verify-in-field existing ceiling systems where access is required.” Some existing ceiling information is made available below, verify-in-field:
    - i. Lower Level “L” building
      - 1. 2x2 ACT – Armstrong Optima Tegular
    - ii. Main Level “L” building
      - 1. 2x2 ACT – Armstrong Optima Vector
      - 2. 2x4 ACT (perforated metal) – Armstong Metalworks Tegular w/ custom perforations & acoustical fleece.
      - 3. Linear Planks (wood-look) – Armstrong Metalworks Linear w/ fiberglass infill bag.
- 3. **Question:** *General Construction contractor shall provide a field trailer for all separate Prime Contractors use at the High School. Please confirm that this is a requirement and will be enforced and is not just part of a "boiler plate" spec.*  
**Response:** Spec revised in this addendum. CM confirmed that General Contractor is not required to provide a field trailer for all separate Prime Contractor’s use at the High School.
- 4. **Question:** *Is supplemental steel required at " new curb supported HP-1 Unit Wt = 670 LBS"? The following note appears at RTU/DOAS units: "Supplemental steel for RTU support. Refer to DWG. S200." These HP units weigh as much as 3-4 people standing together on the roof. They are not heavy.*  
**Response:** Supplemental framing is not anticipated to be required at the HP units.
- 5. **Question:** *Please confirm equipment curbs, pipe portals & rails for mechanical equipment are to be furnished by MC and cutting of deck/installation/blocking/leveling/flashing/roofing is by GC.*  
**Response:** Correct, as noted on the drawings & specs. See Multiple Prime Contractor Coordination Chart in the spec.
- 6. **Question:** *Please confirm any support steel required for the Roof Top Equipment is by the GC.*  
**Response:** Correct, as noted on the drawings & specs. See Multiple Prime Contractor Coordination Chart in the spec.
- 7. **Question:** *Please confirm any power wiring for BMS is to be provided by EC.*

**Response:** See spec 230460 1.2F. All temporary control wiring regardless of voltage shall be done by this Contractor (MC).

8. **Question:** *Please refer to H203-BE, please confirm refrigerant piping is to be routed overtop existing parapet wall and not penetrate existing parapet wall. If penetrations are required, please confirm this will be provided and flashed by GC.*

**Response:** Refrigerant piping shall be routed through the existing parapet wall. GC shall core drill individual holes 12” above roof surface with appropriate spacing to allow adequate sealant to make water tight. Holes shall be drilled on angle such that groups of piping from each HP converge on the exterior in a tight grouping. Location to be coordinated in field with architect. Top of metal piping enclosures shall be enclosed & reglet flashed to existing masonry wall above piping penetrations.

9. **Question:** *Existing demo & new install work will require asbestos abatement based on walkthrough and analysis reports please provide expected schedule for abatement and advise if any abatement will be taking place on school breaks prior to Summer 2025.*

**Response:** Please bid based on the milestone schedule in the spec – abatement is anticipated to begin at the start of summer break. Allowing abatement during school breaks may be discussed with the District after award of contract, but cannot be determined at this time.

10. **Question:** *Please confirm GC is to provide flooring protection for all Gymnasium & Fitness Room Floors.*

**Response:** Each prime contractor is responsible for protection (provide, maintain & remove) where they are specifically assigned work. Since no flooring work is scheduled, each prime contractor is responsible for protection of existing flooring while they are performing adjacent work of their contract. GC shall be assigned the protection when there is overlap in the schedule. See Multiple Prime Contractor Coordination Chart in the spec.

11. **Question:** *Please refer to H103-HG, existing steam piping penetrating roof serving ERU is routed exposed on roof with connection to ERU. Upon reviewing H203-HG, new piping appears to be routed through new equipment curb for DOAS-1,2 & 3, please confirm no new piping is to be heat traced.*

**Response:** No. F&T trap shall be installed in ceiling. See revised sheet in this addendum.

12. **Question:** *Please refer to H202-BE Detail Part Plan 2, please confirm GC is to provide plaster ceiling patching in Gymnasium A for both existing removals and new installation work & access to space above plaster ceiling.*

**Response:** Confirmed. GC shall provide plaster ceiling restoration in spaces called out on the architectural drawings which shall include new installation.

13. **Question:** *Please refer to H204-HG please confirm electrician is to furnish power wiring to various condensate pumps as required for routing condensate through existing complex architectural ceiling assemblies and existing ductwork.*

**Response:** Condensate pump is integral to the FC unit for ceiling units. Separate power required for wall mounted by EC included within this addendum.

14. **Question:** *Please refer to H204-HG, please confirm portion of complex architectural ceiling assemblies not scheduled to be removed by GC on A101-HG Part Plan L2 are to be removed and replaced by Mechanical Contractor to allow installation of new work, this work is to be performed over Summer Break 2025 or after school hours with ceiling restoration each night.*

**Response:** Allocation of work is as described. Work may be performed over Summer Break 2025 in accordance with the Milestone Schedule. Allowing ceiling work after hours and during school breaks may be discussed with the District after award of contract, but cannot be determined at this time.

15. **Question:** *Please refer to H104-HG, “support existing sprinkler heads during ceiling replacement & reinstall (typ for 20) hire sprinkler sub as required.” Please advise who the preferred site sprinkler contractor is.*

**Response:** Any reputable sprinkler sub-contractor.

16. **Question:** *Please refer to H104-HG, “repipe existing plumbing vent to ten feet from new fresh air intake” please confirm repipe is to occur on roof and not within building.*

**Response:** Re-pipe inside building with new roof penetration.

17. **Question:** *Please confirm all defunct equipment associated with demolished equipment is to be safed off and demoed.*

**Response:** See removal notes on H001.

18. **Question:** *Please confirm exposed ductwork installed in a conditioned space is not to receive insulation.*

**Response:** Correct.

**Part 8            New Issues – List of Included Documents**

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004300	AIA DOCUMENT A310 BID BOND	2pg (8.5x11)
E101-BE	ROBERT E. BELL FIRST FLOOR PART REMOVAL PLAN	1pg (42x30)
E301-BE	ROBERT E. BELL FIRST FLOOR PART POWER PLAN	1pg (42x30)
E501-SB	SEVEN BRIDGES RISER & SCHEDULE	1pg (42x30)
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E501-HG	HORACE GREELY POWER RISER	1pg (42x30)
E601-HG	HORACE GREELY SCHEDULE	1pg (42x30)

\*End of Addendum\*

 **AIA<sup>®</sup> Document A310™ – 2010****Bid Bond****CONTRACTOR:***(Name, legal status and address)***SURETY:***(Name, legal status and principal place of business)***OWNER:***(Name, legal status and address)***BOND AMOUNT: \$****PROJECT:***(Name, location or address, and Project number, if any)*

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

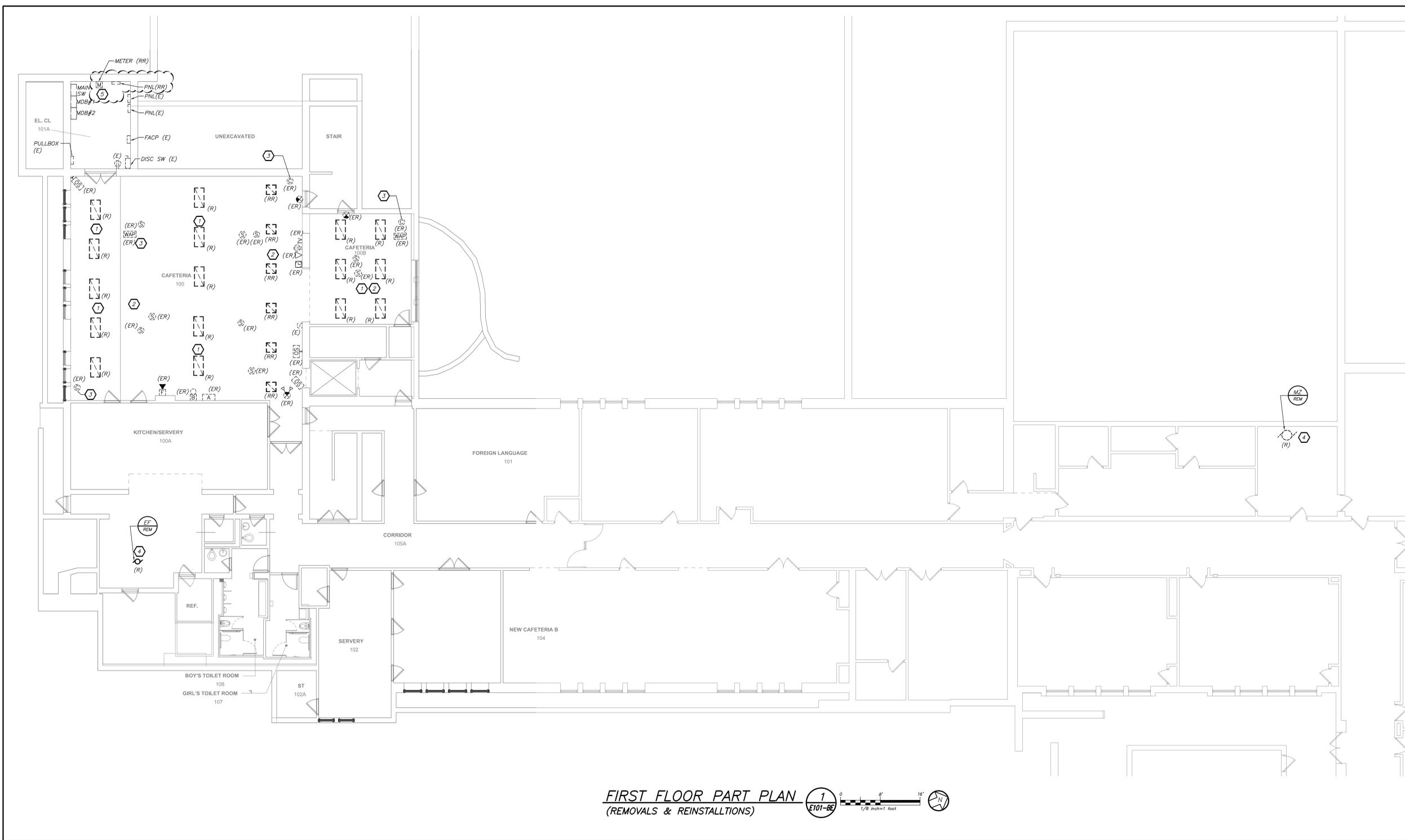
**ADDITIONS AND DELETIONS:**

The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added necessary information and where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

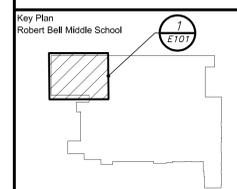
Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.





**FIRST FLOOR PART PLAN**  
(REMOVALS & REINSTALLATIONS)  
1  
E101-BE

- REMOVAL NOTES:**
- 1 IN THIS AREA OF WORK, EXISTING 2'x4' LED LIGHT FIXTURES ARE TO BE REMOVED. COIL UP AND SECURE EXISTING POWER AND CONTROL WIRE WHILE NEW CEILING IS INSTALLED.
  - 2 IN THIS AREA OF WORK, EXISTING LIGHT FIXTURES, OCCUPANCY SENSORS, SMOKE DETECTORS, PA SPEAKERS SHALL BE REMOVED, BUBBLE WRAPPED FOR PROTECTION, STORED, CLEANED AND REINSTALLED BY ELECTRICAL CONTRACTOR AFTER THE NEW HVAC DUCT WORK IS INSTALLED. ANY DAMAGE TO ANY DEVICES SHALL BE REPAIRED OR REPLACED BY THIS CONTRACTOR. ALL ASSOCIATED ALL WALL MOUNTED DEVICES LOCATED WITHIN 1'-0" OF THE CEILING SUCH AS AMBER ALERT, SCHOOL BELL, EMERGENCY BATTERY PACK LIGHTS, ETC. SHALL BE REMOVED AND REINSTALLED AFTER NEW HVAC DUCT WORK IS INSTALLED. EXTEND EXISTING WIRING/BRANCH CIRCUITRY AND PROVIDE ALL REQUIRED AND NECESSARY JUNCTION BOXES.
  - 3 EXISTING CEILING MOUNTED CAMERA AND WAP'S SHALL BE REMOVED, BUBBLE WRAPPED AND HANDED OVER TO OWNER TO STORE AND REINSTALL AFTER NEW CEILING IS INSTALLED.
  - 4 EXISTING BRANCH CIRCUIT (CONDUIT AND WIRE), THERMAL SWITCHES, DISCONNECT SWITCHES SHALL BE REMOVED IN ITS ENTIRETY BACK TO SOURCE.
  - 5 EXISTING METER AND PANELBOARD SHALL BE RELOCATED TO ACCOMMODATE NEW DISC SWITCHES. PANELBOARD SHALL BE MOVED 5FT AWAY AND ASSOCIATED CONDUITS AND BRANCH WIRING SHALL BE EXTENDED TO NEW LOCATION. METER SHALL BE RELOCATED ON THE ADJACENT WALL NEXT TO EXISTING FIRE ALARM PANEL.



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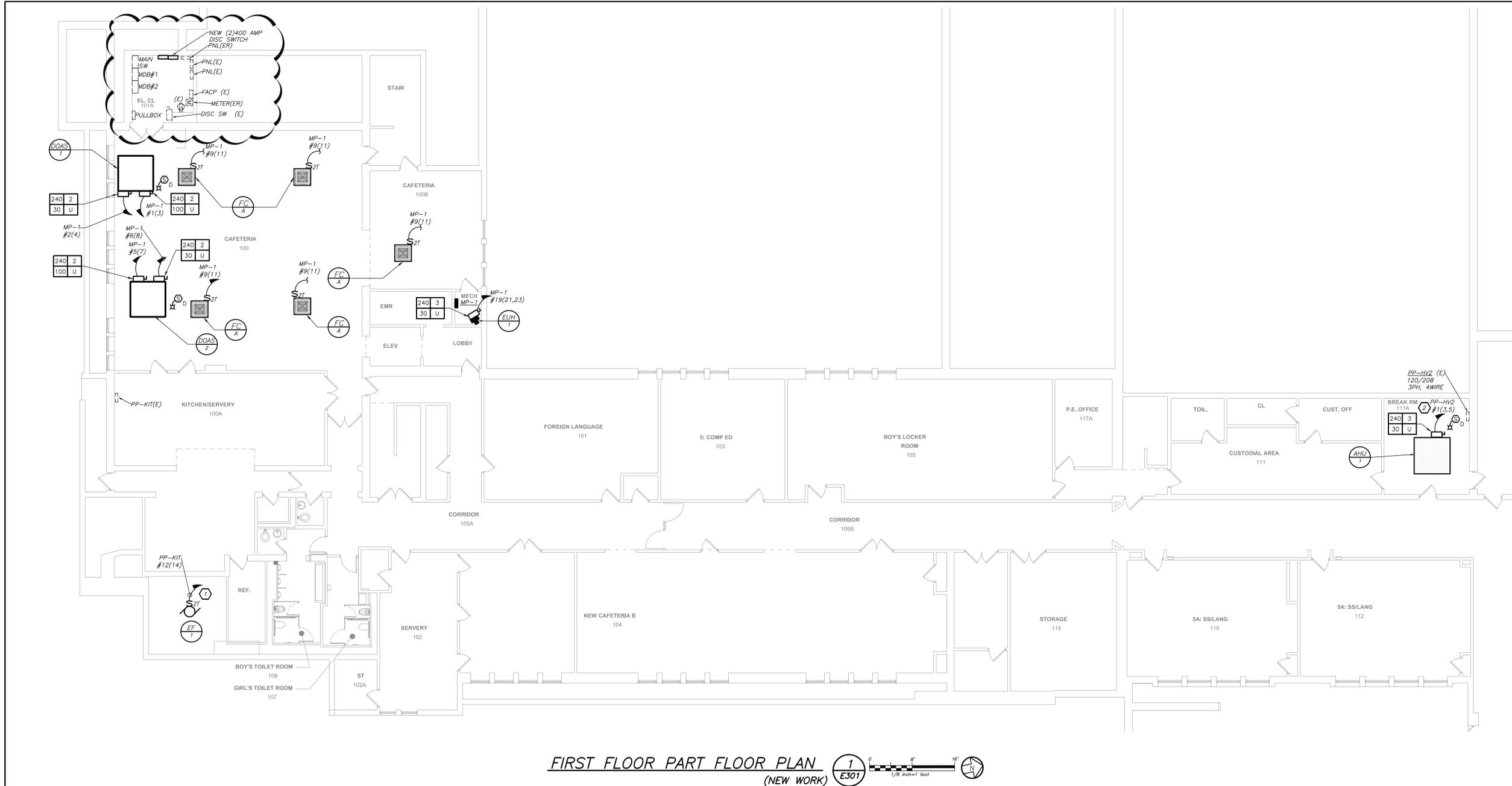
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Professional Seal

5	10/30/2024	BID ADDENDUM 1
4	10/07/2024	ISSUE FOR BID
3	10/02/2023	SED ISSUE
2	08/31/2023	ISSUE FOR PRICING - 80% CD
1	08/10/2023	SCHEMATIC DESIGN
No.	Date	Issue

Sheet Title  
**ROBERT E. BELL  
FIRST FLOOR  
PART REMOVAL  
PLAN**

Job No. 2023-1028	Sheet Number <b>E101-BE</b>
Date 10/01/2024	
Scale AS NOTED	
Drawn / Checked BGA/BGA	



**FIRST FLOOR PART FLOOR PLAN**  
(NEW WORK) **E301**

- WORK NOTES:**
- 1 PROVIDE 2P-20 AMP BREAKER IN AVAILABLE SPACE IN KITCHEN PANEL. PROVIDE 2#12+1#12G - 3/4" TO INDICATED PANELBOARD.
  - 2 PROVIDE 3P-30 AMP BREAKER IN AVAILABLE SPACE IN PANELBOARD PP-HV2. PROVIDE 3#10+1#10G - 3/4" TO INDICATED PANELBOARD.

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

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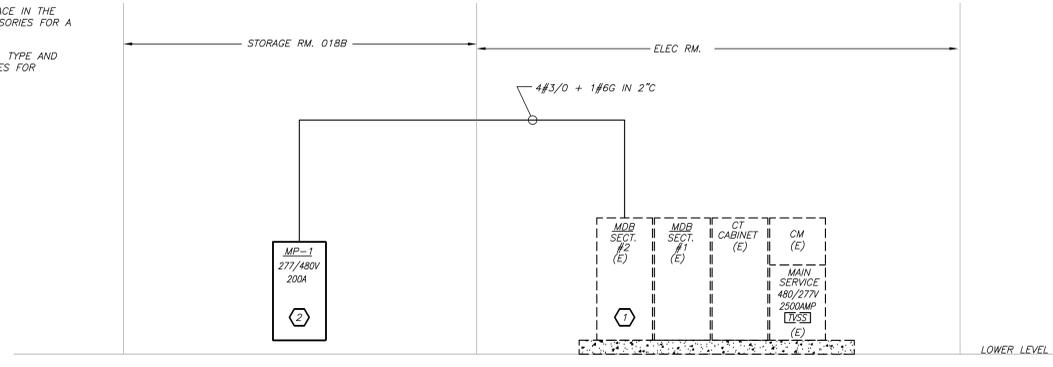
No.	Date	Issue
5	10/30/2024	BID ADDENDUM 1
4	10/07/2024	ISSUE FOR BID
3	10/02/2023	SED ISSUE
2	08/31/2023	ISSUE FOR PRICING - 90% CD
1	08/10/2023	SCHEMATIC DESIGN

Sheet Title  
**ROBERT E. BELL  
FIRST FLOOR  
PART POWER  
PLAN**

Job No.	Sheet Number
2023-1028	
Date	
10/01/2024	
Scale	<b>E301-BE</b>
AS NOTED	
Drawn / Checked	
BGA/BGA	

**WORK NOTES:**

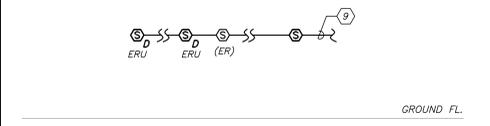
- ① PROVIDE NEW 480/277V, 200 AMP 3PH, 4W CIRCUIT BREAKER IN THE AVAILABLE SPACE IN THE MAIN SWITCHBOARD, MATCH EXISTING. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES FOR A COMPLETE INSTALLATION.
- ② NEW 480/277V 3PH, 4W PANELBOARD, REFER TO PANEL SCHEDULE FOR PANEL SIZE, TYPE AND CIRCUIT BREAKER ARRANGEMENT. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES FOR COMPLETE INSTALLATION.



**PARTIAL POWER RISER DIAGRAM 1 N.T.S.**

**NEW (SB) ELECTRICAL PANEL SCHEDULE**

CKT No.	TRIP (AMP)	LOAD	WIRE (IN.)	KVA / PHASE			WIRE (IN.)	LOAD	TRIP (AMP)	CKT No.		
				A	B	C						
1	3			2.30			2.30		3	2		
3		AHU-1	3#12-1#12G	3/4	2.30		2.30	3/4	2#12-#12G	AHU-2	3	
5	20				2.30		2.30				6	
7	3			11.5			11.5				8	
9		HP-1	3#8-1#10G	3/4	11.5		11.5	3/4	3#8-1#10G	HP-2	10	
11	50				11.5		11.5				12	
13	3			3.50			3.50				14	
15		HP-3	3#12-1#12G	3/4	3.50		3.50	3/4	2#12-#12G	HP-4	16	
17	20				3.50		3.50				18	
19	20	SPARE	-	-	-	-	-	-	SPARE		20	
21	20	SPARE	-	-	-	-	-	-	SPARE		22	
23	20	SPARE	-	-	-	-	-	-	SPARE		24	
25	20	SPARE	-	-	-	-	-	-	SPARE		26	
27	20	SPARE	-	-	-	-	-	-	SPARE		28	
29	20	SPARE	-	-	-	-	-	-	SPARE		30	
31	20	SPARE	-	-	-	-	-	-	SPARE		32	
33	20	SPARE	-	-	-	-	-	-	SPARE		34	
35	20	SPARE	-	-	-	-	-	-	SPARE		36	
37	20	SPARE	-	-	-	-	-	-	SPARE		38	
39	20	SPARE	-	-	-	-	-	-	SPARE		40	
41	20	SPARE	-	-	-	-	-	-	SPARE		42	
SUBTOTALS				17.3	17.3	17.3	17.3	17.3	SUBTOTALS			
TOTAL LOADS				34.6 KVA PHASE A			LIGHTING: 0.00 KVA					
				34.6 KVA PHASE B			RECEPTACLE: 0.00 KVA					
				34.6 KVA PHASE C			KITCHEN: 0.00 KVA					
TOTAL CONN. LOAD				104 KVA	125 A	MOTOR: 103.80 KVA						
TOTAL DEMAND LOAD				104 KVA	125 A	POWER: 0.00 KVA						
							TOTAL: 103.80 KVA					



- FIRE ALARM RISER NOTES:**
- FIRE ALARM WIRING DIAGRAMS SHOWN ARE FOR GENERAL ARRANGEMENT ONLY. ELECTRICAL CONTRACTOR SHALL VERIFY AND OBTAIN POINT TO POINT WIRING DIAGRAM PRIOR TO INSTALLATION FROM MANUFACTURER.
  - PERMITS AND APPROVALS NECESSARY FOR INSTALLATION OF THE WORK SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF THE WORK. ALL PERMIT COSTS AND INSPECTION FEES SHALL BE INCLUDED AS PART OF THIS CONTRACT.
  - IN AREAS WHERE DUST AND DIRT WILL BE AIRBORNE DURING DEMOLITION AND CONSTRUCTION THE CONTRACTOR SHALL PROVIDE PLASTIC WRAP OVER SMOKE DETECTORS AND THEN REMOVE ONCE SPACE IS CLEAN.
  - UNLESS DIRECTED OTHERWISE BY FIRE ALARM SYSTEM MANUFACTURER FIRE ALARM DEVICE WIRING SHALL BE AS FOLLOWS (FOR BIDDING PURPOSES ONLY):  
 SIGNAL WIRING - #14 AWG TWISTED/SHIELDED APPROVED TEFLON CABLE  
 THE WIRING SHALL HAVE THE FOLLOWING CHARACTERISTICS:  
 A. A MINIMUM TEMPERATURE RATING OF 150 C  
 B. A MINIMUM AVERAGE INSULATION THICKNESS OF 15 MILS  
 C. A MINIMUM AVERAGE JACKET THICKNESS OF 25 MILS  
 D. THE COLOR OF THE CABLE SHALL BE RED  
 E. THE CABLE SHALL BE A TYPE FPLP (PLENUM TYPE)  
 F. THE CABLE SHALL BE VISIBLY MARKED EXTERNALLY THAT IT MEETS THE ABOVE REQUIREMENTS AND IS LISTED BY UL.  
 CONFIRM WIRING TYPE AND QUANTITY WITH FIRE ALARM SYSTEM MANUFACTURER PRIOR TO PURCHASING.
  - ALL FIRE ALARM CABLE SHALL BE PLENUM RATED AND RUN IN EMT CONDUIT.
  - AFTER THE SYSTEM IS COMPLETE, TEST ALL COMPONENTS IN ACCORDANCE WITH SEQUENCE OF OPERATION PRIOR TO FIRE DEPARTMENT INSPECTION.
  - SHUTDOWN OF HVAC SYSTEM EQUIPMENT (NOT LIMITED TO, ROOF TOP EXHAUST FANS, ETC.) OF 1000 CFM OR GREATER, SHALL BE PERFORMED VIA A RELAY INTERFACE SYSTEM. SEND SIGNAL TO BUILDING AUTOMATED TEMPERATURE CONTROL (ATC) SYSTEM INDICATING SHUTDOWN HAS OCCURRED. EQUIPMENT RESTART SHALL BE BY BUILDING ATC SYSTEM UPON FIRE ALARM RESET TO NORMAL MODE. RESTART OF EQUIPMENT SHALL BE SEQUENTIAL.
  - PROVIDE DEVICE ADDRESS WITH A PERMANENT TYPE LABEL FOR ALL INITIATING DEVICES.
- ② CONNECT NEW FIRE ALARM DEVICES TO NEAREST EXISTING FIRE ALARM DEVICE CIRCUIT. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION FOR REQUIRED INSTALLATION METHOD.

**PART F.A. RISER DIAGRAM 2 N.T.S.**

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 CAPITAL IMPROVEMENTS  
**HIGH SCHOOL & MIDDLE SCHOOL HVAC UPGRADES**  
 CHAPPAQUA CENTRAL SCHOOL DISTRICT  
 66 Roaring Brook Road  
 Chappaqua, NY 10514

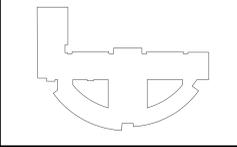
**KG+D** listen imagine build  
 ARCHITECTS, PC  
 285 MAIN STREET • MOUNT KISCO, NEW YORK 10549  
 P: 914.666.6900 KGDARCHITECTS.COM

CONSTRUCTION DOCUMENTS

SED Control No.  
 HG: 66-10-04-06-0-015-023  
 BE: 66-10-04-06-0-009-025  
 SB: 66-10-04-06-0-036-007

**bga**  
 BARILE GALLAGHER & ASSOCIATES  
 CONSULTING ENGINEERS  
 39 MARBLE AVE. PLEASANTVILLE, NY 10570  
 914.328.0600 GENERAL@BGA-ENG.COM www.BGA-ENG.COM

Key Plan  
 Seven Bridges Middle School



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ALTERATIONS BY ANY PERSON IN ANY WAY OF ANY ITEM CONTAINED ON THIS DOCUMENT SHALL BE AT THE RISK OF THE ALTERING PARTY. THE ORIGINAL ARCHITECT'S PROFESSIONAL SEAL IS AFFIXED HERETO, AS A VIOLATION OF TITLE 16, SECTION 16-01 OF THE OFFICIAL CODE OF REGULATIONS OF THE STATE OF NEW YORK.

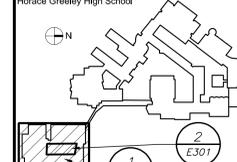
Professional Seal

5	10/30/2024	BID ADDENDUM 1
4	10/07/2024	ISSUE FOR BID
3	10/02/2023	SED ISSUE
2	08/31/2023	ISSUE FOR PRICING - 90% CD
1	06/10/2023	SCHEMATIC DESIGN
No.	Date	Issue

Sheet Title  
**SEVEN BRIDGES RISER & SCHEDULE**

Job No. 2023-1028  
 Date 10/01/2024  
 Scale AS NOTED  
 Drawn / Checked BGA/BGA  
 Sheet Number **E501-SB**





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ALTERATIONS BY ANY PERSON IN ANY WAY OF ANY ITEM CONTAINED ON THIS DOCUMENT SHALL BE NOTIFIED TO THE ARCHITECT IMMEDIATELY UPON DISCOVERY. THE ARCHITECT SHALL BE NOTIFIED HEREIN BY A VARIATION OF TITLE W/ SECT. 65 (b) OF NEW YORK STATE LAW. KG+D ARCHITECTS, PC ALL RIGHTS RESERVED.

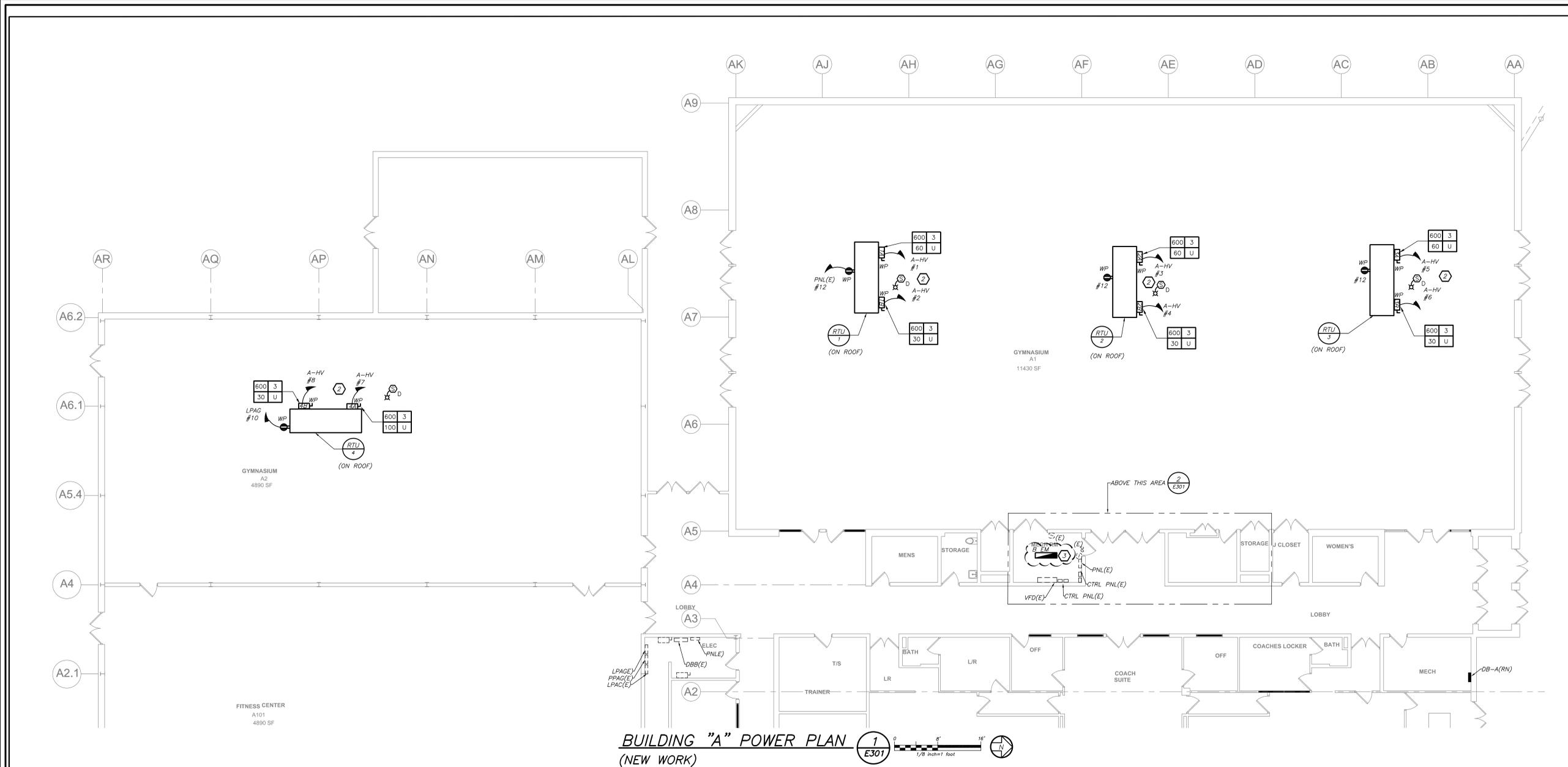
Professional Seal

5	10/30/2024	BID ADDENDUM 1
4	10/07/2024	ISSUE FOR BID
3	10/02/2023	SED ISSUE
2	08/31/2023	ISSUE FOR PRICING - 90% CD
1	08/10/2023	SCHEMATIC DESIGN
No.	Date	Issue

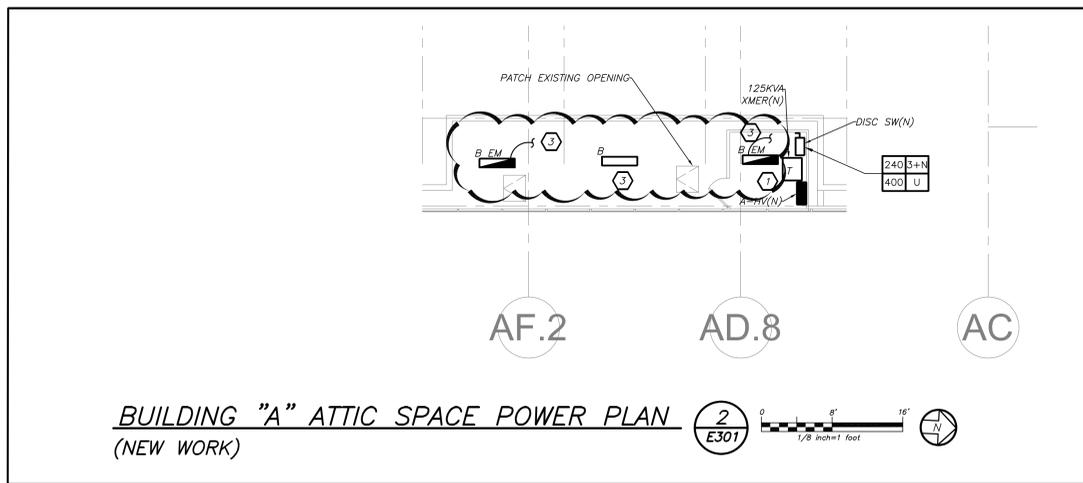
Sheet Title

**HORACE GREELEY  
BUILDING "A"  
POWER PLAN**

Job No.	2023-1028	Sheet Number
Date	10/01/2024	<b>E301-HG</b>
Scale	AS NOTED	
Drawn / Checked	BGA/BGA	



**BUILDING "A" POWER PLAN** (NEW WORK) **1** E301

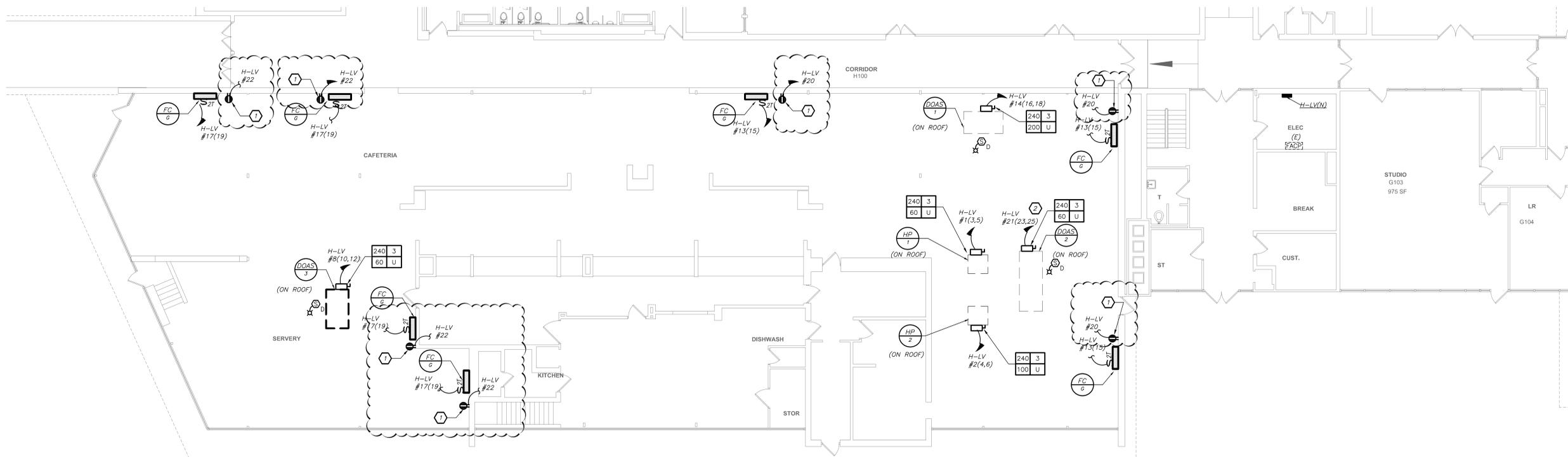


**BUILDING "A" ATTIC SPACE POWER PLAN** (NEW WORK) **2** E301

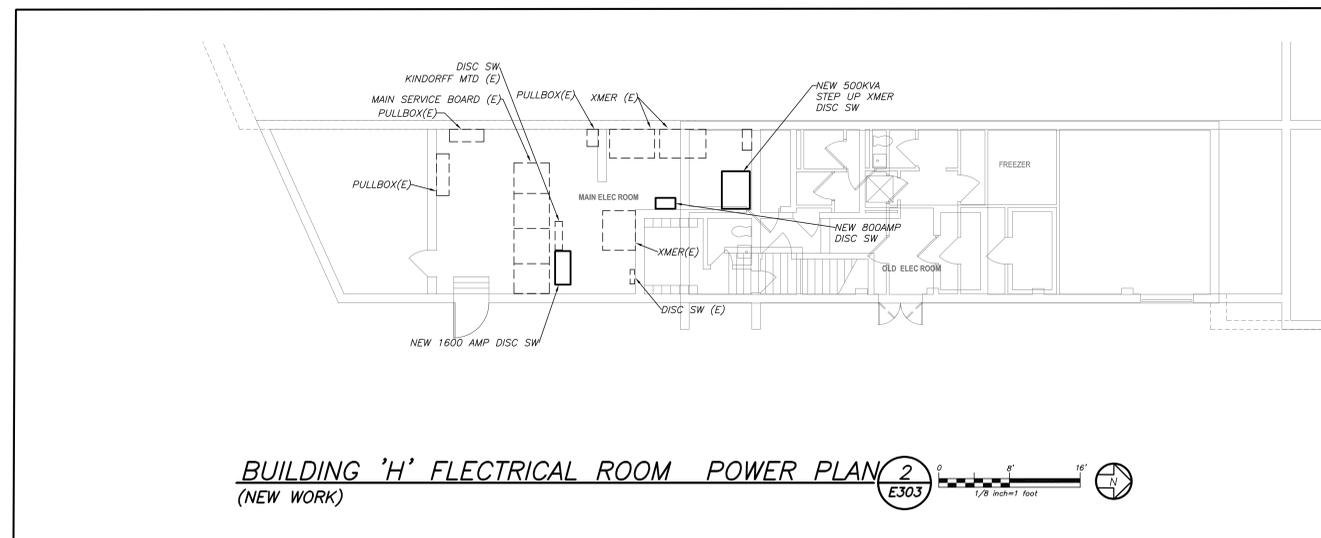
**WORK NOTES:**

- EC SHALL MAINTAIN EXISTING POWER AND DATA CONDUITS, EXPOSED DATA WIRING, PULLBOXES ETC AT THE TIME EQUIPMENT INSTALLATIONS.
- HVAC BRANCH FEEDERS ROUTED ON THE ROOF SHALL FOLLOW THE PATH OF PIPE PORTALS PROVIDED BY HVAC CONTRACTOR.
- PROVIDE NEW LIGHT FIXTURE IN THE MECHANICAL ROOM AND ATTIC SPACE ABOVE. EXTEND EXISTING BRANCH CIRCUIT AVAILABLE AFTER DEMO WORK. REUSE ALL EXISTING CONTROL SWITCHES AND EXTEND CONTROL WIRING AS REQUIRED. LOCATION OF THE LIGHTING FIXTURE SHALL BE COORDINATED WITH NEW DUCT WORK BEFORE START OF ANY WORK. FOR LIGHTING SCHEDULE REFER TO DRAWING ES01-BE

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



**BUILDING 'H' CAFETERIA POWER PLAN 1**  
(NEW WORK) E303



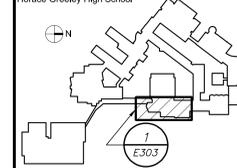
**BUILDING 'H' ELECTRICAL ROOM POWER PLAN 2**  
(NEW WORK) E303

**WORK NOTES**

- 1 PROVIDE GF RECEPTACLES FOR NEW CONDENSATE PUMPS. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR BEFORE THE 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

Key Plan  
Horace Greeley High School



NOTE: ALL DEVICES, DEVICES, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED IN THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KG+D ARCHITECTS, PC (KG+D) AND HAVE BEEN CREATED FOR USE ON THIS PROJECT. NONE OF KG+D DEVICES, DEVICES, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE 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 ON THIS PLAN. ANY SUCH NOTIFICATION MUST BE SUBMITTED TO THE OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

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PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 16, SECTION 16-01 OF THE OFFICIAL CODE OF REGULATIONS OF THE STATE OF NEW YORK.

ALL RIGHTS RESERVED.

Professional Seal

No.	Date	Issue
5	10/30/2024	BID ADDENDUM 1
4	10/07/2024	ISSUE FOR BID
3	10/02/2023	SED ISSUE
2	08/31/2023	ISSUE FOR PRICING - 80% CD
1	08/10/2023	SCHEMATIC DESIGN

Sheet Title  
**HORACE GREELEY  
BUILDING "H"  
POWER PLAN**

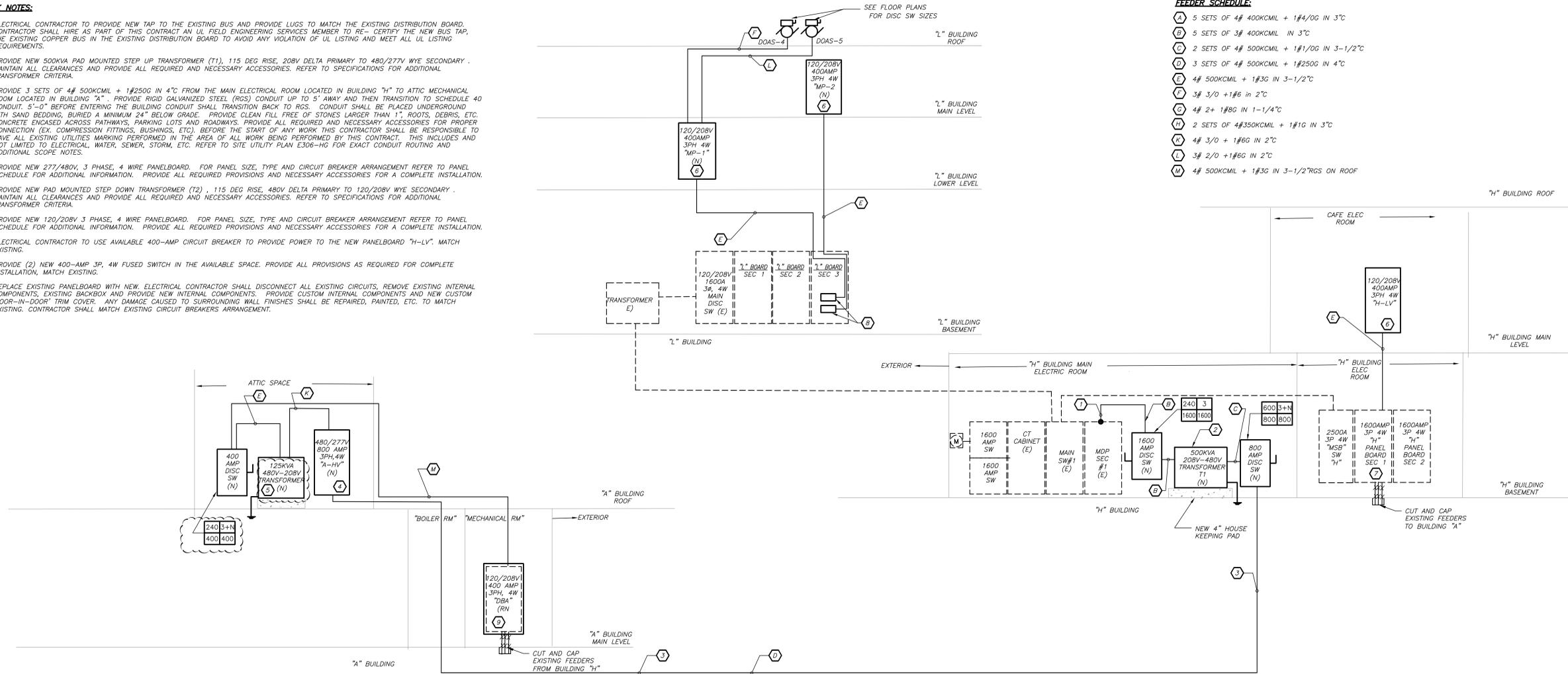
Job No.	2023-1028	Sheet Number	<b>E303-HG</b>
Date	10/01/2024	Scale	
Scale	AS NOTED	Drawn / Checked	
Drawn / Checked	BGA/BGA		

**WORK NOTES:**

- 1 ELECTRICAL CONTRACTOR TO PROVIDE NEW TAP TO THE EXISTING BUS AND PROVIDE LUGS TO MATCH THE EXISTING DISTRIBUTION BOARD. CONTRACTOR SHALL HIRE AS PART OF THIS CONTRACT AN UL FIELD ENGINEERING SERVICES MEMBER TO RE-CERTIFY THE NEW BUS TAP, THE EXISTING COPPER BUS IN THE EXISTING DISTRIBUTION BOARD TO AVOID ANY VIOLATION OF UL LISTING AND MEET ALL UL LISTING REQUIREMENTS.
- 2 PROVIDE NEW 500KVA PAD MOUNTED STEP UP TRANSFORMER (T1), 115 DEG RISE, 208V DELTA PRIMARY TO 480/277V WYE SECONDARY. MAINTAIN ALL CLEARANCES AND PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES. REFER TO SPECIFICATIONS FOR ADDITIONAL TRANSFORMER CRITERIA.
- 3 PROVIDE 3 SETS OF 4# 500KCMIL + 1#250G IN 4" C FROM THE MAIN ELECTRICAL ROOM LOCATED IN BUILDING "H" TO ATTIC MECHANICAL ROOM LOCATED IN BUILDING "A". PROVIDE RIGID GALVANIZED STEEL (RGS) CONDUIT UP TO 5' AWAY AND THEN TRANSITION TO SCHEDULE 40 CONDUIT, 5'-0" BEFORE ENTERING THE BUILDING CONDUIT SHALL TRANSITION BACK TO RGS. CONDUIT SHALL BE PLACED UNDERGROUND WITH SAND BEDDING, BURIED A MINIMUM 24" BELOW GRADE. PROVIDE CLEAN FILL FREE OF STONES LARGER THAN 1". ROOTS, DEBRIS, ETC. CONCRETE ENCASED ACROSS PATHWAYS, PARKING LOTS AND ROADWAYS. 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 SITE UTILITY PLAN E306-HG FOR EXACT CONDUIT ROUTING AND ADDITIONAL SCOPE NOTES.
- 4 PROVIDE NEW 277/480V, 3 PHASE, 4 WIRE PANELBOARD. FOR PANEL SIZE, TYPE AND CIRCUIT BREAKER ARRANGEMENT REFER TO PANEL SCHEDULE FOR ADDITIONAL INFORMATION. PROVIDE ALL REQUIRED PROVISIONS AND NECESSARY ACCESSORIES FOR A COMPLETE INSTALLATION.
- 5 PROVIDE NEW PAD MOUNTED STEP DOWN TRANSFORMER (T2), 115 DEG RISE, 480V DELTA PRIMARY TO 120/208V WYE SECONDARY. MAINTAIN ALL CLEARANCES AND PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES. REFER TO SPECIFICATIONS FOR ADDITIONAL TRANSFORMER CRITERIA.
- 6 PROVIDE NEW 120/208V 3 PHASE, 4 WIRE PANELBOARD. FOR PANEL SIZE, TYPE AND CIRCUIT BREAKER ARRANGEMENT REFER TO PANEL SCHEDULE FOR ADDITIONAL INFORMATION. PROVIDE ALL REQUIRED PROVISIONS AND NECESSARY ACCESSORIES FOR A COMPLETE INSTALLATION.
- 7 ELECTRICAL CONTRACTOR TO USE AVAILABLE 400-AMP CIRCUIT BREAKER TO PROVIDE POWER TO THE NEW PANELBOARD "H-LV". MATCH EXISTING.
- 8 PROVIDE (2) NEW 400-AMP 3P, 4W FUSED SWITCH IN THE AVAILABLE SPACE. PROVIDE ALL PROVISIONS AS REQUIRED FOR COMPLETE INSTALLATION, MATCH EXISTING.
- 9 REPLACE EXISTING PANELBOARD WITH NEW. ELECTRICAL CONTRACTOR SHALL DISCONNECT ALL EXISTING CIRCUITS, REMOVE EXISTING INTERNAL COMPONENTS, EXISTING BACKBOX AND PROVIDE NEW INTERNAL COMPONENTS. PROVIDE CUSTOM INTERNAL COMPONENTS AND NEW CUSTOM 'DOOR-IN-DOOR' TRIM COVER. ANY DAMAGE CAUSED TO SURROUNDING WALL FINISHES SHALL BE REPAIRED, PAINTED, ETC. TO MATCH EXISTING. CONTRACTOR SHALL MATCH EXISTING CIRCUIT BREAKERS ARRANGEMENT.

**FEEDER SCHEDULE:**

- A 5 SETS OF 4# 400KCMIL + 1#4/0G IN 3" C
- B 5 SETS OF 3# 400KCMIL IN 3" C
- C 2 SETS OF 4# 500KCMIL + 1#1/0G IN 3-1/2" C
- D 3 SETS OF 4# 500KCMIL + 1#250G IN 4" C
- E 4# 500KCMIL + 1#3G IN 3-1/2" C
- F 3# 3/0 + 1#6G IN 2" C
- G 4# 2 + 1#6G IN 1-1/4" C
- H 2 SETS OF 4#350KCMIL + 1#1G IN 3" C
- I 4# 3/0 + 1#6G IN 2" C
- J 3# 2/0 + 1#6G IN 2" C
- K 4# 500KCMIL + 1#3G IN 3-1/2" RGS ON ROOF



**HORACE GREELEY HIGH SCHOOL PARTIAL POWER RISER DIAGRAM** 1 E501

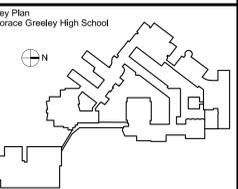
BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

DISTRICT-WIDE CAPITAL IMPROVEMENTS  
 HIGH SCHOOL & MIDDLE SCHOOL HVAC UPGRADES  
 CHAPPAQUA CENTRAL SCHOOL DISTRICT  
 66 Roaring Brook Road  
 Chappaqua, NY 10514



CONSTRUCTION DOCUMENTS

SED Control No.  
 HC: 66-10-04-06-0-015-023  
 BE: 66-10-04-06-0-009-025  
 SB: 66-10-04-06-0-036-007



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Professional Seal

No.	Date	Issue
1	06/10/2023	SCHEMATIC DESIGN
2	08/31/2023	ISSUE FOR PRICING - 90% CD
3	10/02/2023	SED ISSUE
4	10/07/2024	ISSUE FOR BID
5	10/30/2024	BID ADDENDUM 1

**HORACE GREELEY POWER RISER**

Job No.	2023-1028	Sheet Number	<b>E501-HG</b>
Date	10/01/2024	Scale	
Scale	AS NOTED	Drawn / Checked	
Drawn / Checked	BGA/BGA		

PANEL DESIGNATION: <u>A-HV (NEW)</u>		MOUNTING: <u>SURFACE</u>					
SUPPLY CHARACTERISTIC: <u>277/480</u> VOLTS, <u>3</u> PHASE, <u>4</u> WIRES							
MAIN BUS RATING: <u>800</u> AMPS NEUTRAL: <u>FULL SIZE</u> SCR: <u>65,000</u>							
USAGE: <u>DISTRIBUTION</u>							
CKT NO.	FUSED SWITCH			EQUIPMENT	WIRE	COND.	LOAD
	FRAME SIZE	POLES "N"-NEUT. BAR CONNECTION	SWITCH SIZE				
1	100	3	50	RTU-1A	3#8+1#10G	3/4	SEE PNL
2	100	3	15	RTU-1B	3#12+1#12G	3/4	SEE PNL
3	100	3	50	RTU-2A	3#8+1#10G	3/4	SEE PNL
4	100	3	15	RTU-2B	3#12+1#12G	3/4	SEE PNL
5	100	3	50	RTU-3A	3#8+1#10G	3/4	SEE PNL
6	100	3	15	RTU-3B	3#12+1#12G	3/4	SEE PNL
7	100	3	80	RTU-4A	3#4+1#8G	1-1/2"	SEE PNL
8	100	3	15	RTU-4B	3#12+1#12G	3/4	SEE PNL
9	400	3+N	400	25KVA XMER	4#500+1#3	3-1/2"	-
10	100	-	100	SPARE	-	-	-
11	100	-	100	SPARE	-	-	-

NEW ELECTRICAL PANEL SCHEDULE												
PNL: MP-1		MOUNTING: SURFACE <input checked="" type="checkbox"/>		MAIN LUGS ONLY		MAIN C BKR		GROUND BUS: <input checked="" type="checkbox"/>		ISOLATED GROUND BUS:		
208Y/120, 3 PHASE, 4 WIRE		(NEMA 1) FLUSH		DOUBLE LUGS		400A/3P		ISOLATED GROUND BUS:		TVSS:		
42,000MIN A.I.C. SYM		IN MCC		FEED THRU LUG		MAIN BUS -		MAIN BUS -		NUMBER OF POLES: 30		
NEUTRAL: 100%				SHUNT TRIP MAIN		400 A						
CKT TRIP No. (AMP)	LOAD	WIRE (IN.)	CND.	KVA / PHASE			WIRE (IN.)	LOAD (AMP)	TRIP CKT No.			
				A	B	C						
1	2	FC-A	2#12+1#12G	3/4	0.20		0.20	3/4	2#12+1#12G	2	2	
3	20	FC-A	2#12+1#12G	3/4	0.20		0.20	3/4	2#12+1#12G	2	4	
5	2	FC-A	2#12+1#12G	3/4	0.20		0.20	3/4	2#12+1#12G	2	6	
7	20	FC-A	2#12+1#12G	3/4	0.20		0.20	3/4	2#12+1#12G	2	8	
9	2	FC-A	2#12+1#12G	3/4	0.20		0.20	3/4	2#12+1#12G	2	10	
11	20	FC-A	2#12+1#12G	3/4	0.20		0.20	3/4	2#12+1#12G	2	12	
13	2	FC-A	2#12+1#12G	3/4	0.20		0.20	3/4	2#12+1#12G	2	14	
15	20	FC-A	2#12+1#12G	3/4	0.20		0.20	3/4	2#12+1#12G	2	16	
17	2	FC-A	2#12+1#12G	3/4	0.20		0.20	3/4	2#12+1#12G	2	18	
19	20	FC-A	2#12+1#12G	3/4	0.20		0.20	3/4	2#12+1#12G	2	20	
21	3	-	-	-	20.0		17.3	-	-	175	22	
23	3	-	-	-	20.0		17.3	-	-	175	24	
25	200	-	-	-	20.0		-	-	-	20	26	
27	20	SPARE	-	-	-		-	-	-	20	28	
29	20	SPARE	-	-	-		-	-	-	20	30	
SUBTOTALS				20.8	20.6	20.6	17.9	17.9	17.7	SUBTOTALS		
TOTAL LOADS				38.7 KVA PHASE A			LIGHTING: 0.00 KVA					
				38.5 KVA PHASE B			RECEPTACLE: 0.00 KVA					
				38.3 KVA PHASE C			KITCHEN: 0.00 KVA					
TOTAL CONN. LOAD				116 KVA 321 A			MOTOR: 115.50 KVA					
TOTAL DEMAND LOAD				116 KVA 321 A			POWER: 0.00 KVA			TOTAL: 115.50 KVA		

NEW ELECTRICAL PANEL SCHEDULE												
PNL: MP-2		MOUNTING: SURFACE <input checked="" type="checkbox"/>		MAIN LUGS ONLY		MAIN C BKR		GROUND BUS: <input checked="" type="checkbox"/>		ISOLATED GROUND BUS:		
208Y/120, 3 PHASE, 4 WIRE		(NEMA 1) FLUSH		DOUBLE LUGS		400A/3P		ISOLATED GROUND BUS:		TVSS:		
22,000MIN A.I.C. SYM		IN MCC		FEED THRU LUG		MAIN BUS -		MAIN BUS -		NUMBER OF POLES: 54		
NEUTRAL: 100%				SHUNT TRIP MAIN		400 A						
CKT TRIP No. (AMP)	LOAD	WIRE (IN.)	CND.	KVA / PHASE			WIRE (IN.)	LOAD (AMP)	TRIP CKT No.			
				A	B	C						
1	2	FC-A	2#12+1#12G	3/4	0.20		0.20	3/4	2#12+1#12G	2	2	
3	20	FC-A	2#12+1#12G	3/4	0.20		0.20	3/4	2#12+1#12G	2	4	
5	2	FC-A	2#12+1#12G	3/4	0.20		0.20	3/4	2#12+1#12G	2	6	
7	20	FC-A	2#12+1#12G	3/4	0.20		0.20	3/4	2#12+1#12G	2	8	
9	2	FC-A	2#12+1#12G	3/4	0.20		0.20	3/4	2#12+1#12G	2	10	
11	20	FC-A	2#12+1#12G	3/4	0.20		0.20	3/4	2#12+1#12G	2	12	
13	2	FC-A	2#12+1#12G	3/4	0.20		0.20	3/4	2#12+1#12G	2	14	
15	20	FC-A	2#12+1#12G	3/4	0.20		0.20	3/4	2#12+1#12G	2	16	
17	2	FC-A	2#12+1#12G	3/4	0.20		0.20	3/4	2#12+1#12G	2	18	
19	20	FC-A	2#12+1#12G	3/4	0.20		0.20	3/4	2#12+1#12G	2	20	
21	3	-	-	-	6.90		6.90	-	-	20	22	
23	3	HP-3	3#4+1#8G	11/4	6.90		6.90	3/4	3#8+1#10G	3	24	
25	80	-	-	-	6.90		6.90	3/4	3#8+1#10G	3	26	
27	3	-	-	-	6.80		6.80	3/4	3#8+1#10G	3	28	
29	3	HP-6	3#4+1#8G	11/4	6.80		6.80	6/10	6/10	3	30	
31	80	-	-	-	6.80		6.80	6/10	6/10	3	32	
33	20	SPARE	-	-	-		-	6/10	6/10	70	34	
35	20	SPARE	-	-	-		-	-	-	36	36	
37	3	-	-	-	6.80		6.80	-	-	20	38	
39	3	HP-7	3#4+1#8G	11/4	6.80		6.80	-	-	20	40	
41	80	-	-	-	6.80		6.80	-	-	20	42	
43	20	SPARE	-	-	-		-	-	-	20	44	
45	3	-	-	-	7.50		7.50	-	-	20	46	
47	3	HP-8	3#4+1#8G	11/4	7.50		7.50	-	-	20	48	
49	80	-	-	-	7.50		7.50	-	-	20	50	
51	20	SPARE	-	-	-		-	-	-	20	52	
53	20	SPARE	-	-	-		-	-	-	20	54	
SUBTOTALS				28.8	28.6	28.6	10.1	10.1	9.9	SUBTOTALS		
TOTAL LOADS				38.9 KVA PHASE A			LIGHTING: 0.00 KVA					
				38.7 KVA PHASE B			RECEPTACLE: 0.00 KVA					
				38.5 KVA PHASE C			KITCHEN: 0.00 KVA					
TOTAL CONN. LOAD				116 KVA 322 A			MOTOR: 116.10 KVA					
TOTAL DEMAND LOAD				116 KVA 322 A			POWER: 0.00 KVA			TOTAL: 116.10 KVA		

NEW ELECTRICAL PANEL SCHEDULE												
PNL: DBA		MOUNTING: SURFACE <input checked="" type="checkbox"/>		MAIN LUGS ONLY		MAIN C BKR		GROUND BUS: <input checked="" type="checkbox"/>		ISOLATED GROUND BUS:		
120/208V, 3 PHASE, 4 WIRE		(NEMA 1) FLUSH		DOUBLE LUGS		400A/3P		ISOLATED GROUND BUS:		TVSS:		
14,000MIN A.I.C. SYM		IN MCC		FEED THRU LUG		MAIN BUS -		MAIN BUS -		NUMBER OF POLES: 30		
NEUTRAL: 100%				SHUNT TRIP MAIN		400 A						
CKT TRIP No. (AMP)	LOAD	WIRE (IN.)	CND.	KVA / PHASE			WIRE (IN.)	LOAD (AMP)	TRIP CKT No.			
				A	B	C						
1	3	EXISTING LOAD	EXIST						3	2		
3	60	EXISTING LOAD	EXIST						60	6		
5	60	EXISTING LOAD	EXIST						60	10		
7	3	EXISTING LOAD	EXIST						3	8		
9	60	EXISTING LOAD	EXIST						60	12		
11	3	EXISTING LOAD	EXIST						3	14		
13	3	EXISTING LOAD	EXIST						3	16		
15	100	EXISTING LOAD	EXIST						100	18		
17	3	EXISTING LOAD	EXIST						3	20		
19	3	EXISTING LOAD	EXIST						3	22		
21	100	EXISTING LOAD	EXIST						100	24		
23	3	EXISTING LOAD	EXIST						3	26		
25	3	EXISTING LOAD	EXIST						3	28		
27	100	EXISTING LOAD	EXIST						100	30		
SUBTOTALS				0.0	0.00	0.0	0.00	0.00	0.00	SUBTOTALS		
TOTAL LOADS				0.0 KVA PHASE A			LIGHTING: 0.00 KVA					
				0.0 KVA PHASE B			RECEPTACLE: 0.00 KVA					
				0.0 KVA PHASE C			KITCHEN: 0.00 KVA					
TOTAL CONN. LOAD				0.0 KVA 0.0 A			MOTOR: 0.00 KVA					

NEW ELECTRICAL PANEL SCHEDULE												
PNL: H-LV		MOUNTING: SURFACE <input checked="" type="checkbox"/>		MAIN LUGS ONLY		MAIN C BKR		GROUND BUS: <input checked="" type="checkbox"/>		ISOLATED GROUND BUS:		
208Y/120, 3 PHASE, 4 WIRE		(NEMA 1) FLUSH		DOUBLE LUGS		350A/3P		ISOLATED GROUND BUS:		TVSS:		
42,000MIN A.I.C. SYM		IN MCC		FEED THRU LUG		MAIN BUS -		MAIN BUS -		NUMBER OF POLES: 42		
NEUTRAL: 100%				SHUNT TRIP MAIN		400 A						
CKT TRIP No. (AMP)	LOAD	WIRE (IN.)	CND.	KVA / PHASE			WIRE (IN.)	LOAD (AMP)	TRIP CKT No.			
				A	B	C						
1	3	HP-1	3#8+1#10G	3/4	4.00		6.20	11/4	3#8+1#10G	3	2	
3	40	SPARE	-	-	4.00		6.20	6.20	-	70	4	
5	40	SPARE	-	-	4.00		4.50	4.50	3/4	3#8+1#10G	3	8
7	20	SPARE	-	-	-		4.50	4.50	-	10	10	
9	20	SPARE	-	-	-		4.50	4.50	-	12	12	
11	20	SPARE	-	-	-		4.50	4.50	-	14	14	
13	2	FC-A	2#12+1#12G	3/4	0.20		15.20	15.20	2	3#20+1#8G	3	16
15	20	FC-A	2#12+1#12G	3/4	0.20		15.2	15.2	2	3#20+1#8G	3	18
17	2	FC-A	2#12+1#12G	3/4	0.20		0.72	0.72	3/4	2#12+1#12G	2	20
19	20	FC-A	2#12+1#12G	3/4	0.20		0.72	0.72	3/4	2#12+1#12G	2	22
21	3	DOAS-2	3#8+1#10G	3/4	4.50		4.50	4.50	3/4	3#8+1#10G	3	24
23	50	-	-	-	4.50		4.50	4.50	-	20	26	
25	20	SPARE	-	-	-		-	-	-	20	28	
27	20	SPARE	-	-	-		-	-	-	20	30	
29	20	SPARE	-	-	-		-	-	-	20	32	
SUBTOTALS				8.90	8.70	8.70	26.62	26.62	25.90	SUBTOTALS		
TOTAL LOADS				35.5 KVA PHASE A			LIGHTING: 0.00 KVA					
				35.3 KVA PHASE B			RECEPTACLE: 0.00 KVA					
				34.6 KVA PHASE C			KITCHEN: 0.00 KVA					
TOTAL CONN. LOAD				105 KVA 293 A			MOTOR: 105.44 KVA					
TOTAL DEMAND LOAD				105 KVA 293 A			POWER: 0.00 KVA					