

November 2, 2023

**WHITE PLAINS CITY SCHOOL DISTRICT
AC AND VENTILATION UPGRADES AT
MAMARONECK AVENUE ELEMENTARY SCHOOL
SED Control Number: 66-22-00-01-0-010-017**

**CONTRACT H- HVAC WORK
CONTRACT E - ELECTRICAL WORK**

WESTCHESTER COUNTY, NEW YORK

NOTE: *This clarification forms a part of the contract documents for the above project and must be acknowledged in the plans and specifications. Attach it to the inside front cover of each of the specifications.*

GENERAL CLARIFICATION TO PROJECT:

1. As part of DRAWING E101.00, Contract 'E' shall include in Base Bid the removal and reinstallation of existing the stair railing as necessary to accommodate delivery and installation of new switchgear and associated equipment. Contractor shall provide all material and labor to restore railing and stair to match existing.

CLARIFICATION TO SPECIFICATIONS:

1. Remove SPECIFICATION SECTION – SUBCONTRACTORS LIST and replace with revised SPECIFICATION SECTION - LIST OF SUBCONTRACTORS, attached herewith.

CLARIFICATION TO DRAWINGS:

1. REMOVE DRAWING E100.00 ELECTRICAL PARTIAL BASEMENT HVAC POWER PLAN A AND REPLACE WITH REVISED DRAWING E100.00 ELECTRICAL PARTIAL BASEMENT HVAC POWER PLAN A attached herewith.
2. REMOVE DRAWING E110.00 ELECTRICAL PARTIAL FIRST FLOOR HVAC POWER PLAN A AND REPLACE WITH REVISED DRAWING E110.00 ELECTRICAL PARTIAL FIRST FLOOR HVAC POWER PLAN A attached herewith.
3. REMOVE DRAWING E400.00 ELECTRICAL PANEL SCHEDULES AND REPLACE WITH REVISED DRAWING E400.00 ELECTRICAL PANEL SCHEDULES attached herewith.

REQUEST FOR INFORMATION FROM BERTUSSI CONTRACTING INC.:

1. The subcontractor form for the WP Mam ES bid requires information for an electrical contractor. The electrical work is a separate contract. Please advise if this is the correct form.

RFI response: Please see the attached "LIST OF SUBCONTRACTORS". This document is to list all subcontractors that will be needed to preform contract work. Refer to instruction to bidders for additional information.

End of Addendum No. 2

LIST OF SUBCONTRACTORS

List of Subcontractors

The Bidder shall list the subcontractors, if any, to be used for this project. Provide the required information for each proposed subcontractor. Make appropriate copies of this form should the Bidder propose more than five (5) subcontractors. List at least five projects for each subcontractor that demonstrates the subcontractor's qualifications to perform the work of the project. The projects shall be similar size and complexity and have been completed within the last five (5) years by the subcontractor.

(NOTE THIS FORM MUST BE COMPLETED BY BIDDER AND INCLUDED IN ENVELOPE MARKED QUALIFICATIONS)

Subcontractor Name:

Type of Work:

<u>Owner</u>	<u>Contact Name</u>	<u>Phone Number</u>	<u>Location</u>	<u>Contract Amount</u>

LIST OF SUBCONTRACTORS

Subcontractor Name: _____

Type of Work: _____

<u>Owner</u>	<u>Contact Name</u>	<u>Phone Number</u>	<u>Location</u>	<u>Contract Amount</u>

Subcontractor Name: _____

Type of Work: _____

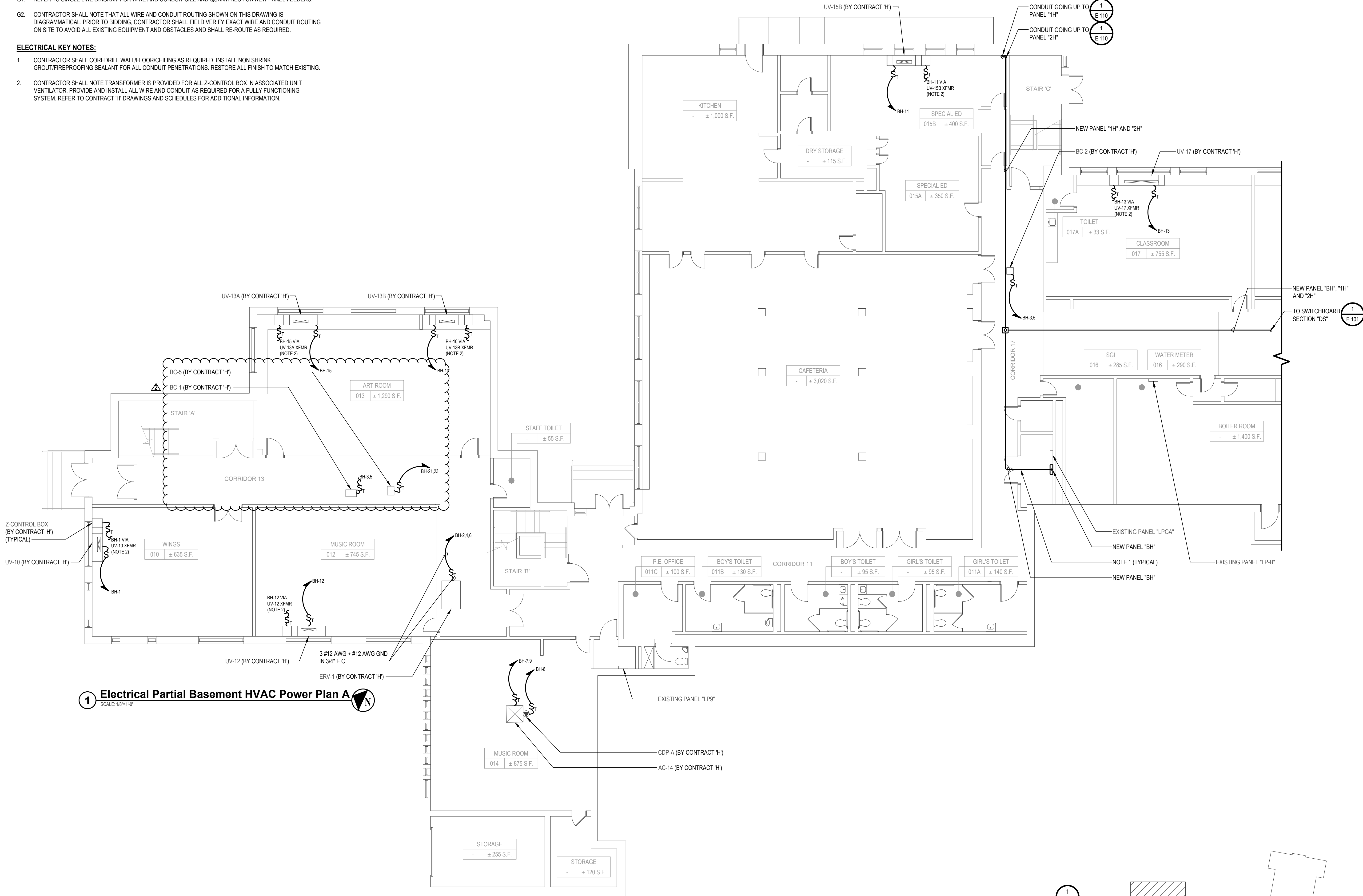
<u>Owner</u>	<u>Contact Name</u>	<u>Phone Number</u>	<u>Location</u>	<u>Contract Amount</u>

ELECTRICAL GENERAL NOTES:

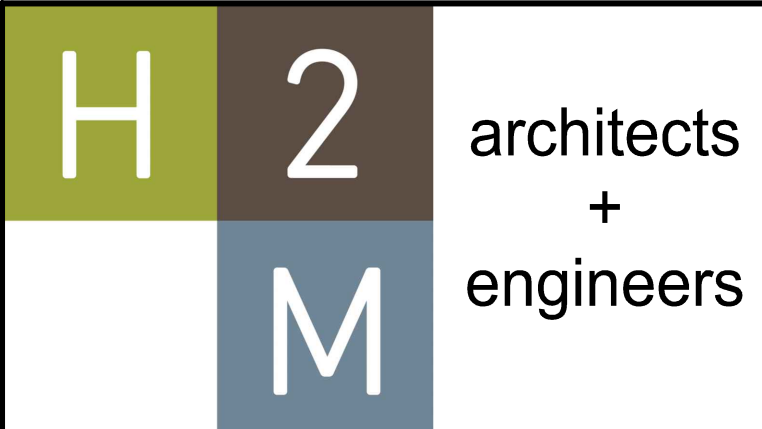
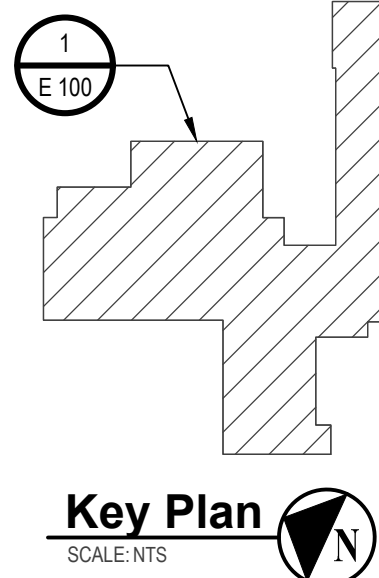
- G1. REFER TO SINGLE LINE DIAGRAM FOR WIRE AND CONDUIT SIZE AND QUANTITIES FOR NEW PANEL FEEDERS.
- G2. CONTRACTOR SHALL NOTE THAT ALL WIRE AND CONDUIT ROUTING SHOWN ON THIS DRAWING IS DIAGRAMMATICAL. PRIOR TO BIDDING, CONTRACTOR SHALL FIELD VERIFY EXACT WIRE AND CONDUIT ROUTING ON SITE TO AVOID ALL EXISTING EQUIPMENT AND OBSTACLES AND SHALL RE-ROUTE AS REQUIRED.

ELECTRICAL KEY NOTES:

1. CONTRACTOR SHALL COREDRILL WALL/FLOOR/CEILING AS REQUIRED. INSTALL NON SHRINK GROUT/FIREPROOFING SEALANT FOR ALL CONDUIT PENETRATIONS. RESTORE ALL FINISH TO MATCH EXISTING.
2. CONTRACTOR SHALL NOTE TRANSFORMER IS PROVIDED FOR ALL Z-CONTROL BOX IN ASSOCIATED UNIT VENTILATOR. PROVIDE AND INSTALL ALL WIRE AND CONDUIT AS REQUIRED FOR A FULLY FUNCTIONING SYSTEM. REFER TO CONTRACT 'H' DRAWINGS AND SCHEDULES FOR ADDITIONAL INFORMATION.



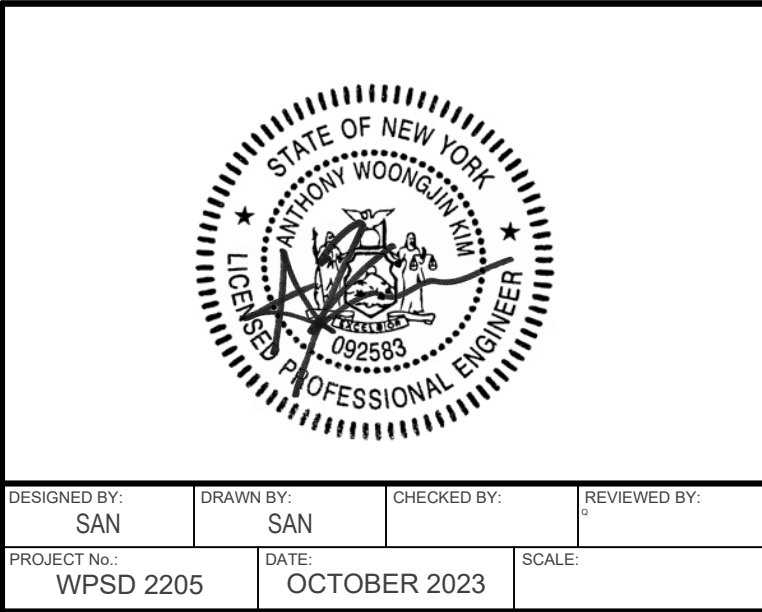
1 Electrical Partial Basement HVAC Power Plan A
SCALE: 1/8"=1'-0"



2700 Westchester Ave., Suite 415
Purchase, NY 10577
914.358.5623 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION
	10-16-23	FINAL BID DOCUMENT
1	11-01-23	ADDENDUM #1
2	11-02-23	ADDENDUM #2



CLIENT
White Plains City School District

**AC and Ventilation Upgrades
at Mamaroneck
Elementary School**



**7 Nosband Ave.
White Plains, NY 10605**

**SED PROJECT CONTROL
NO. 66-22-00-01-0-010-017**

CONTRACT
**CONTRACT E
ELECTRICAL CONSTRUCTION**

STATUS
FINAL BID DOCUMENT

SHEET TITLE
**ELECTRICAL PARTIAL
BASEMENT HVAC POWER PLAN A**

DRAWING No.
E 100.00

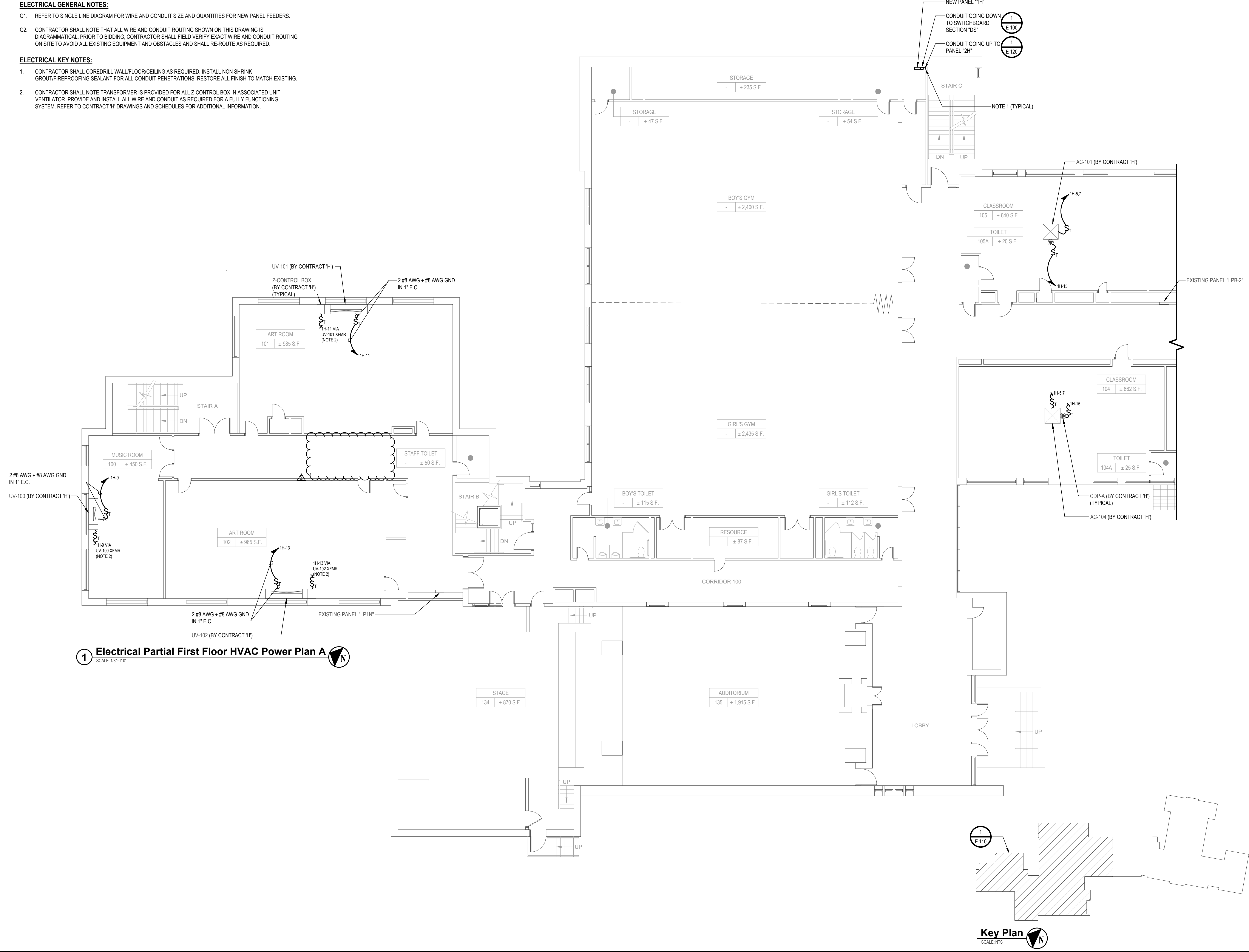
X:\WPSP\White Plains Central School District - 10851\WPSP 2205 - AC & Ventilation at Mamaroneck Elem School\02-BM-CADD\Construction\02-E - 10 Electrical Partial Basement HVAC Power Plan A.dwg Plot Date: Nov 01, 2023 - 4:33pm By: jwh

ELECTRICAL GENERAL NOTES:

- G1. REFER TO SINGLE LINE DIAGRAM FOR WIRE AND CONDUIT SIZE AND QUANTITIES FOR NEW PANEL FEEDERS.
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1 Electrical Partial First Floor HVAC Power Plan A
SCALE: 1/8"=1'-0"

Key Plan
SCALE: NTS

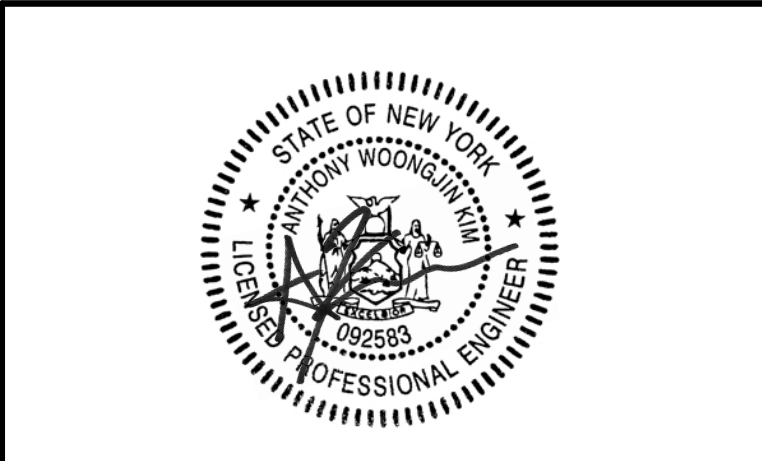
1
E 110

H 2 M architects + engineers

2700 Westchester Ave., Suite 415
Purchase, NY 10577
914.358.5623 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION
	10-16-23	FINAL BID DOCUMENT
1	11-01-23	ADDENDUM #1
2	11-02-23	ADDENDUM #2



DESIGNED BY: SAN	DRAWN BY: SAN	CHECKED BY:	REVIEWED BY:
PROJECT NO: WPSD 2205	DATE: OCTOBER 2023	SCALE:	

CLIENT

White Plains City School District

AC and Ventilation Upgrades at Mamaroneck Elementary School



**7 Nosband Ave.
White Plains, NY 10605**

**SED PROJECT CONTROL
NO. 66-22-00-01-0-010-017**

CONTRACT

**CONTRACT E
ELECTRICAL CONSTRUCTION**

STATUS

FINAL BID DOCUMENT

SHEET TITLE

ELECTRICAL PARTIAL FIRST FLOOR HVAC POWER PLAN A

DRAWING No.

E 110.00

X:\WPSD\White Plains Central School District - 10851\WPSD 2205 - AC & Ventilation at Mamaroneck Elem School\02-BIM\CADD\Construction\11 E 110 Electrical Partial First Floor HVAC Power Plan A.dwg Plot on Nov 01, 2023 - 4:36pm By lwh

X:\WPSP\White Plains Central School District - 1081\WPSP 2205 - AC & Ventilation at Mamaroneck Elem School\102-BM-CADD\Conductors\10-E-400 Electrical Panel Schedule.dwg Jan Modified: Oct 12 2023 - 4:32pm Printed on Nov 01, 2023 - 4:32pm By: jwh

Panel Wiring Schedule (3-Phase)																				
Panelboard			BH		Voltage		120/208		Phase		3		Wire		4		AIC Rating		22,000	
Manufacturer			EATON		Mains		100A MCB		Mains Rating		100A		Options				Note		-	
Panel Type			PRL2A		Mounting		SURFACE		Options											
NEMA Type Enclosure			1																	
LOAD DESCRIPTION	BREAKER OPTION	TRIP AMPS & POLES	CONNECTED LOAD			NO. OF CIRCUITS	A	B	C	CONNECTED LOAD			TRIP AMPS & POLES	BREAKER OPTION	LOAD DESCRIPTION					
			VOLT AMPERES							VOLT AMPERES										
			Ø A	Ø B	Ø C					Ø A	Ø B	Ø C								
UV-10	HACR	15A/1P	756			1				2										
BC-1, BC-2	HACR	15A/2P		21		3				4	635	635	15A/3P	HACR	ERV-1					
					21	5			6			635								
AC-14	HACR	15A/2P	58			7				8	180		15A/1P	HACR	CDP-A					
UV-15B	HACR	15A/1P		58		9				10		756	15A/1P	HACR	UV-13B					
UV-17	HACR	15A/1P			756	11				12			15A/1P	HACR	UV-12					
UV-13A	HACR	15A/1P			756	13				14	-	-	20A/1P		SPARE					
UV-19	HACR	15A/1P			756	15				16	-	-	20A/1P		SPARE					
UV-15A	HACR	15A/1P			756	17				18	-	-	20A/1P		SPARE					
BC-5	HACR	15A/2P		11		19				20	-	-	20A/1P		SPARE					
SPARE		20A/1P				21				22	-	-	20A/1P		SPARE					
					11	23			24	-	-	20A/1P		SPARE						
SPARE		20A/1P				25				26	-	-	20A/1P		SPARE					
SPARE		20A/1P				27				28	-	-	20A/1P		SPARE					
SPARE		20A/1P				29				30	-	-	20A/1P		SPARE					
Connected Totals:			ØA 3.15 KVA			ØB 2.23 KVA			ØC 2.93 KVA			Total 8.31 KVA			23 Amperes					
(All Phases to be balanced to within 7% using Actual Load Totals.)																				
Breaker Options: AS - Powerlink AS Breaker LO - Handle lock-off device ST - Shunt Trip Type AUX - Auxiliary Contacts PA - Handle Padlock Attachment GFCI - Ground Fault Circuit Interrupter SF - Subfeed TC - Time Clock Control																				

Panel Wiring Schedule (3-Phase)																				
Panelboard			BH1		Voltage		120/208		Phase		3		Wire		4		AIC Rating		22,000	
Manufacturer			EATON		Mains		MLO		Mains Rating		100A		Options				Note		-	
Panel Type			PRL2A		Mounting		SURFACE													
NEMA Type Enclosure			1																	
LOAD DESCRIPTION	BREAKER OPTION	TRIP AMPS & POLES	CONNECTED LOAD			Ø A	Ø B	Ø C	NO	A	B	C	CONNECTED LOAD			TRIP AMPS & POLES	BREAKER OPTION	LOAD DESCRIPTION		
			VOLT AMPERES										VOLT AMPERES							
			Ø A	Ø B	Ø C								Ø A	Ø B	Ø C					
AC-20,23,25,27	HACR	15A/2P	167			1			2							20A/1P		SPARE		
				167		3			4	-	-	-	-	-	-	20A/1P		SPARE		
AC-21,22,24,30,31	HACR	15A/2P			208	5			6	-	-	-	-	-	-	20A/1P		SPARE		
			208			7			8	-	-	-	-	-	-	20A/1P		SPARE		
BC-3,BC-4	HACR	15A/2P		21		9			10	-	-	-	-	-	-	20A/1P		SPARE		
					21	11			12	-	-	-	-	-	-	20A/1P		SPARE		
CDP-A	HACR	15A/1P			720	13			14	-	-	-	-	-	-	20A/1P		SPARE		
CDP-A	HACR	15A/1P			900	15			16	-	-	-	-	-	-	20A/1P		SPARE		
SPARE		20A/1P				17			18	-	-	-	-	-	-	20A/1P		SPARE		
Connected Totals:						ØA	1.10	KVA												
						ØB	1.09	KVA												
						ØC	0.23	KVA												
(All Phases to be balanced to within 7% using Actual Load Totals.)						Total	2.42	KVA				7			Amperes					
Breaker Options: AS - Powerlink AS Breaker LO - Handle lock-off device ST - Shunt Trip Type AUX - Auxiliary Contacts PA - Handle Padlock Attachment GFCI - Ground Fault Circuit Interrupter HACR - Heating, A/C & Refrigeration SF - Subfeed TC - Time Clock Control																				

Panel Wiring Schedule (3-Phase)																				
Panelboard			1H		Voltage		120/208		Phase		3		Wire		4		AIC Rating		22,000	
Manufacturer			EATON		Mains		200A MCB		Mains Rating		225A									
Panel Type			PRL2A		Mounting		SURFACE		Options								Note		-	
NEMA Type Enclosure			1																	
LOAD DESCRIPTION	BREAKER OPTION	TRIP AMPS & POLES	CONNECTED LOAD			NO	A	B	C	NO	CONNECTED LOAD			TRIP AMPS & POLES	BREAKER OPTION	LOAD DESCRIPTION				
			VOLT AMPERES								VOLT AMPERES									
			Ø A	Ø B	Ø C						Ø A	Ø B	Ø C							
SPARE						1				2	6612			60A/3P	HACR	CU UV-1 (MODULE 1)				
SPARE						3				4		6612								
AC-101,104,106	HACR	15A/2P				5				6			6612							
						7				8	6612									
UV-100	HACR	15A/1P			756	9				10		6612		60A/3P	HACR	CU UV-1 (MODULE 2)				
UV-101	HACR	15A/1P				11				12			6612							
UV-102	HACR	15A/1P			756	13				14	180			20A/1P		CONVENIENCE RECEPTACLE				
CDP-A	HACR	15A/1P			540	15				16		-		20A/1P		SPARE				
SPARE		20A/1P				17				18		-		20A/1P		SPARE				
SPARE		20A/1P				19				20		-		20A/1P		SPARE				
SPARE		20A/1P				21				22		-		20A/1P		SPARE				
SPARE		20A/1P				23				24		-		20A/1P		SPARE				
SPARE		20A/1P				25				26		-		20A/1P		SPARE				
SPARE		20A/1P				27				28		-		20A/1P		SPARE				
SPARE		20A/1P				29				30		-		20A/1P		SPARE				
Connected Totals:						ØA	14.36		KVA											
						ØB	14.54		KVA											
						ØC	14.17		KVA											
(All Phases to be balanced to within 7% using Actual Load Totals.)						Total	43.07		KVA		120			Amperes						
Breaker Options: AS - Powerlink AS Breaker LO - Handle lock-off device ST - Shunt Trip Type AUX - Auxiliary Contacts PA - Handle Padlock Attachment GFCI - Ground Fault Circuit Interrupter HACR - Heating, A/C & Refrigeration SF - Subfeed TC - Time Clock Control																				

Panel Wiring Schedule (3-Phase)																										
Panelboard		PP-1 (EXISTING)		Voltage		120/208		Phase		3		Wire		4		AIC Rating		EXISTING								
Manufacturer		SQUARE D		Mains		MLO		Mains Rating		225A		Options				Note										
Panel Type		NQ		Mounting		SURFACE		Options								Note										
NEMA Type Enclosure		1																								
LOAD DESCRIPTION	BREAKER OPTION	TRIP AMPS & POLES	CONNECTED LOAD			Ø A	Ø B	Ø C	Ø C	A	B	C	CONNECTED LOAD			TRIP AMPS & POLES	BREAKER OPTION	LOAD DESCRIPTION								
			VOLT AMPERES										VOLT AMPERES													
			Ø A	Ø B	Ø C								Ø A	Ø B	Ø C											
EXISTING		60A/3P	-	-	-	1			2				-	-	20A/1P		EXISTING									
EXISTING		20A/1P	-	-	-	3			4				-	-	20A/1P		EXISTING									
EXISTING		20A/1P	-	-	-	5			6				-	-	20A/1P		EXISTING									
EXISTING		20A/1P	-	-	-	7			8				-	-	20A/1P		EXISTING									
EXISTING		20A/1P	-	-	-	9			10				-	-	20A/1P		EXISTING									
EXISTING		20A/1P	-	-	-	11			12				-	-	20A/1P		EXISTING									
EXISTING		20A/1P	-	-	-	13			14				-	-	20A/1P		EXISTING									
EXISTING		20A/1P	-	-	-	15			16				-	-	20A/1P		EXISTING									
EXISTING		20A/1P	-	-	-	17			18				-	-	20A/1P		EXISTING									
EXISTING		20A/1P	-	-	-	19			20				-	-	20A/1P		EXISTING									
EXISTING		20A/1P	-	-	-	21			22				-	-	20A/1P		EXISTING									
EXISTING		20A/1P	-	-	-	23			24				-	-	20A/1P		EXISTING									
EXISTING		20A/1P	-	-	-	25			26				-	-	20A/1P		EXISTING									
EXISTING		20A/1P	-	-	-	27			28				-	-	20A/1P		EXISTING									
CDP-A	HACR	15A/1P	-	-	720	29			30				-	-	15A/2P	HACR	EXISTING									
AC-119,121,122,123	HACR	15A/2P	167	-	-	31			32	720	-	-	-	-	15A/1P	HACR	CDP-A									
			-	167	-	33			34	-	21	-	-													
			-	-	167	35			36	-	21	-	-													
AC-116,117,118,120	HACR	15A/2P	167	-	-	37			38	-	-	-	-	20A/1P	HACR	BC-6.7										
			-	-	-	39			40	-	-	-	-													
EXISTING		20A/2P	-	-	-	41			42				-	-	20A/1P		EXISTING									
Connected Totals:															Ø A			EXISTING			KVA					
															Ø B			EXISTING			KVA					
															Ø C			EXISTING			KVA					
(All Phases to be balanced to within 7% using Actual Load Totals.)															Total			EXISTING			KVA			EXISTING Amperes		
Breaker Options: AS - Powerlink AS Breaker LO - Handle Lock-off device ST - Shunt Trip Type AUX - Auxiliary Contacts PA - Handle Padlock Attachment GFCI - Ground Fault Circuit Interrupter HACR - Heating, A/C & Refrigeration SF - Subfeed TC - Time Clock Control																										