

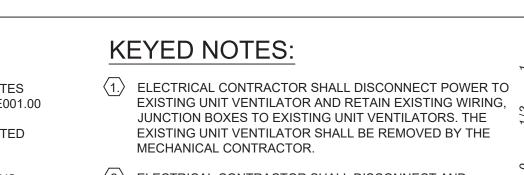
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REMOVAL NOTES:

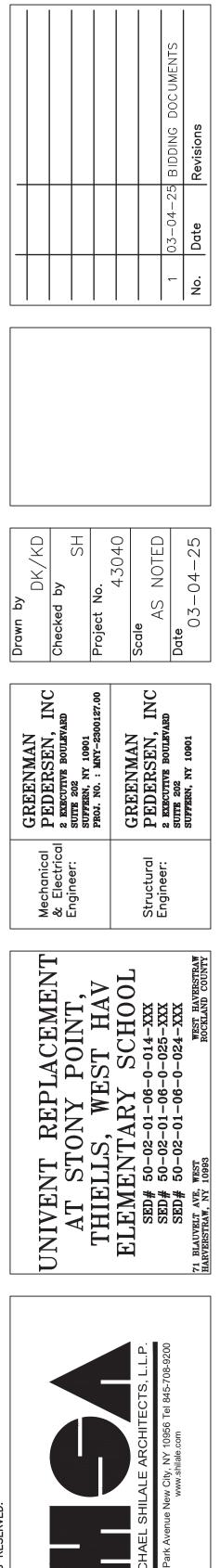
- 1. FOR ELECTRICAL SYMBOLS & LEGENDS, GENERAL NOTES AND ABBREVIATIONS DRAWING LIST REFER TO DWG E001.00
- 2. MAINTAIN CIRCUIT CONTINUITY TO AREAS NOT AFFECTED
- BY DEMOLITION. 3. THE CONTRACTOR IS TO COORDINATE ALL SHUTDOWNS AND DISRUPTIONS TO NORMAL SERVICES WITH THE SCHOOLS FIELD REPRESENTATIVE AND THE FACILITY.
- 4. COORDINATE REMOVAL OF POWER TO MECHANICAL EQUIPMENT WITH THE RESPECTIVE CONTRACTOR.
- 5. CONTRACTOR MUST FIELD VERIFY ALL CONNECTIONS PRIOR TO REMOVAL. PROTECT ALL FEEDER AND BRANCH CIRCUITS SERVING OTHER AREAS. CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY OUTAGES.

FIRST FLOOR PARTIAL REMOVAL - ELECTRICAL - 1

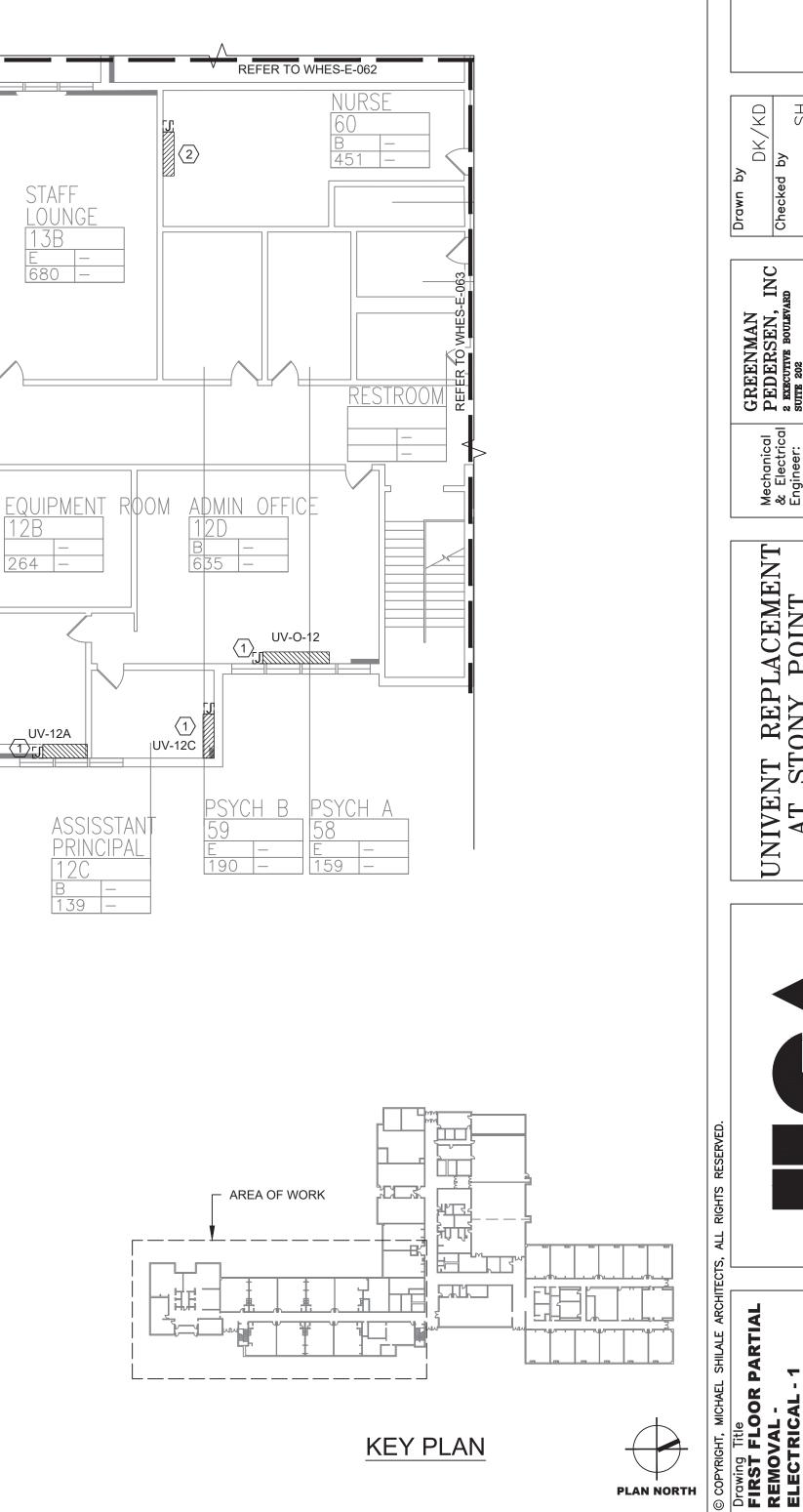
SCALE: 3/32"=1'-0"



2. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE POWER TO EXISTING WALL HUNG UNIT ALONG WITH ALL ASSOCIATED WIRING, CONDUIT AND JUNCTION BOXES BACK TO SOURCE. THE EXISTING WALL HUNG UNIT SHALL BE REMOVED BY THE MECHANICAL CONTRACTOR.



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FIRST FLOOR PARTIAL REMOVAL - ELECTRICAL - 2 SCALE: 3/32"=1'-0"

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REMOVAL NOTES:

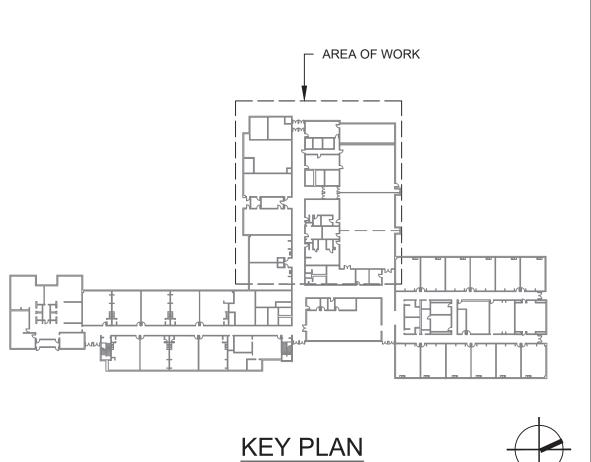
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- 2. MAINTAIN CIRCUIT CONTINUITY TO AREAS NOT AFFECTED BY DEMOLITION.
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KEYED NOTES:

- $\langle 1. \rangle$ ELECTRICAL CONTRACTOR SHALL DISCONNECT POWER TO EXISTING UNIT VENTILATOR AND RETAIN EXISTING WIRING, JUNCTION BOXES TO EXISTING UNIT VENTILATORS. THE EXISTING UNIT VENTILATOR SHALL BE REMOVED BY THE MECHANICAL CONTRACTOR.
- $\langle \overline{2} \rangle$ ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE POWER TO EXISTING UNIT VENTILATOR ALONG WITH ALL ASSOCIATED WIRING, CONDUIT AND JUNCTION BOXES BACK TO SOURCE. THE EXISTING UNIT VENTILATOR SHALL BE REMOVED BY THE MECHANICAL CONTRACTOR.
- (3) ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE POWER TO EXISTING H.V. BLOWER ALONG WITH ALL ASSOCIATED WIRING, CONDUIT AND JUNCTION BOXES BACK TO SOURCE. THE EXISTING H.V. BLOWER SHALL BE REMOVED BY THE MECHANICAL CONTRACTOR.
- $\langle \overline{4} \rangle$ ELECTRICAL CONTRACTOR SHALL DISCONNECT POWER TO EXISTING CEILING CASSETTE AND REMOVE EXISTING WIRING, JUNCTION BOXES TO EXISTING CESSETTE BACK TO SOURCE. THE EXISTING CASSETTE SHALL BE REMOVED BY THE MECHANICAL CONTRACTOR.



C C Ν, GREENMAN PEDERSEN, 2 executive bouleva suite 202 suffern, ny 10901 proj. no. : mny-230 GREENMAN PEDERSEN, 2 executive bouleva suite 202 suiteern, ny 10901 Mechanic & Electr Engineer Struc Engir NT UNTY Γ VINU ____ -062 2 Ш VAL RIC WHES

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FIRST FLOOR PARTIAL REMOVAL - ELECTRICAL - 3 SCALE: 3/32"=1'-0"

REMOVAL NOTES:

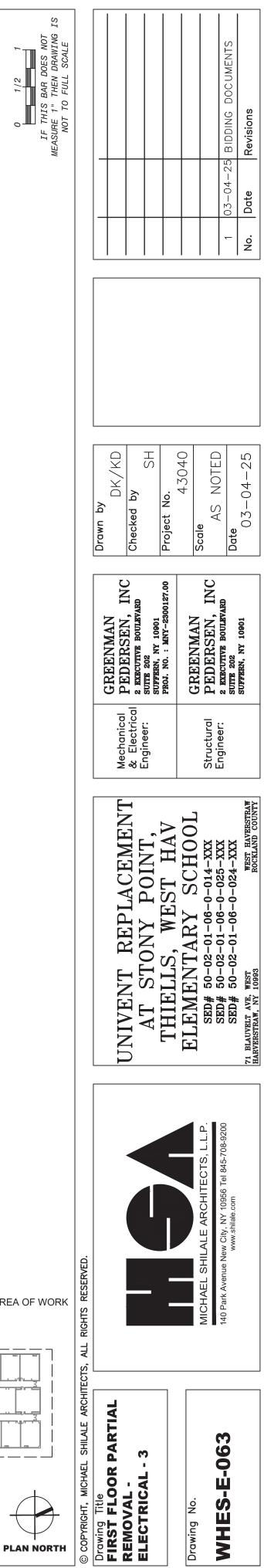
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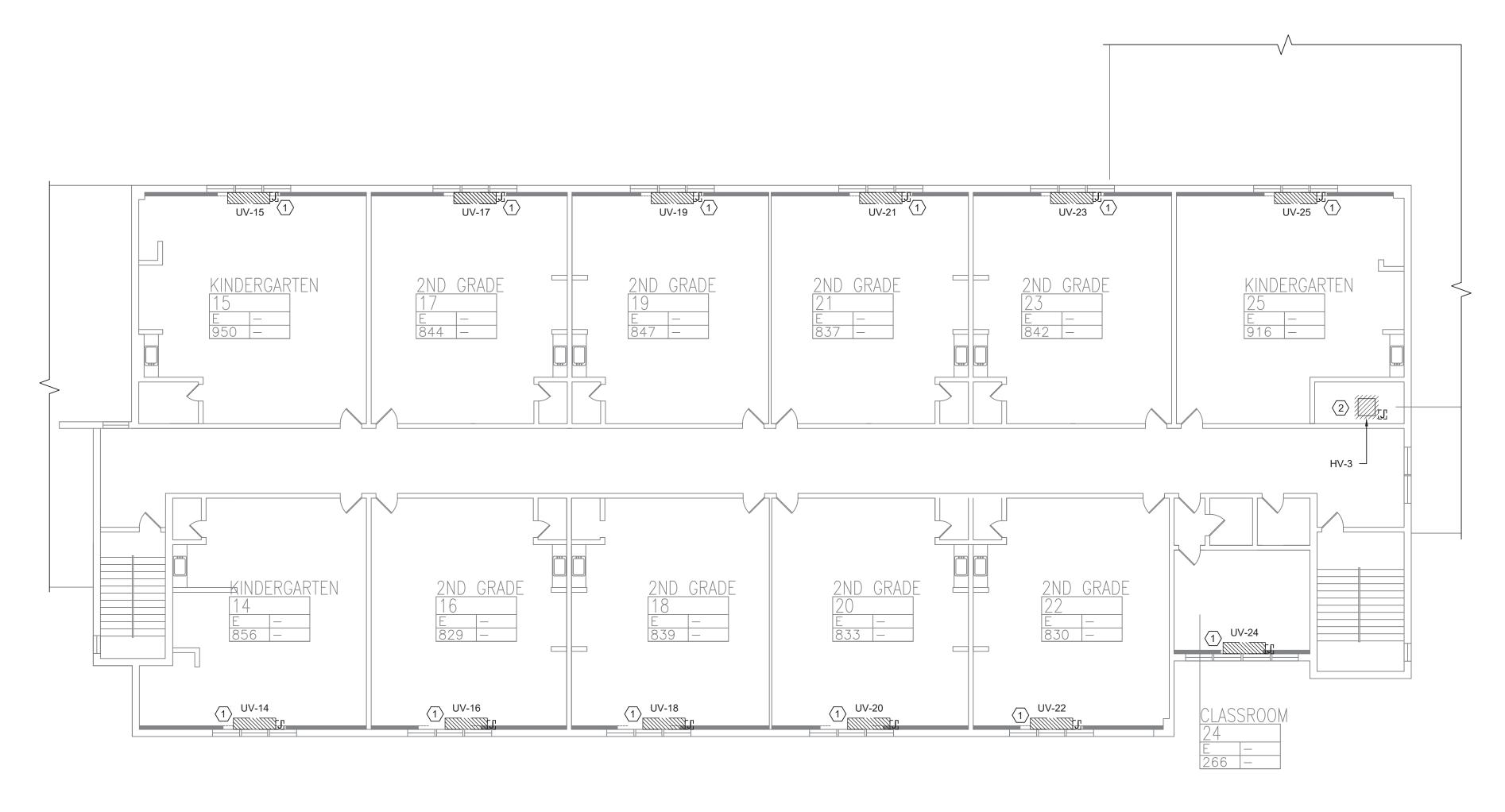
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- 2.> ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE POWER TO H.V. BLOWER ALONG WITH ALL ASSOCIATED WIRING, CONDUIT AND JUNCTION BOXES BACK TO SOURCE. THE EXISTING H.V. BLOWER SHALL BE REMOVED BY THE MECHANICAL CONTRACTOR.





KEY PLAN





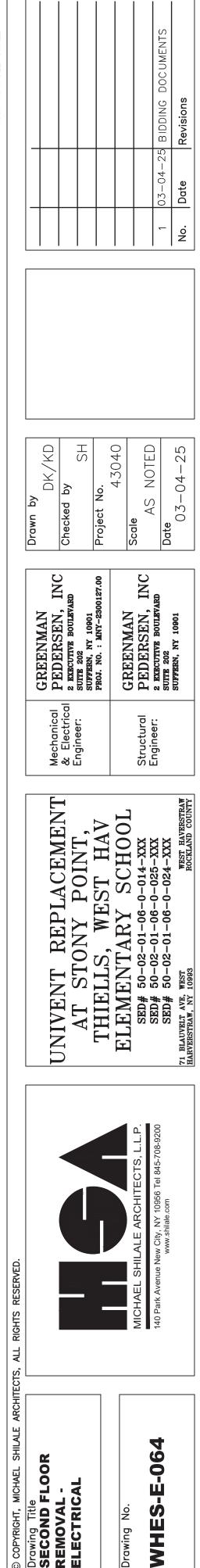
SECOND FLOOR REMOVAL - ELECTRICAL SCALE: 3/32"=1'-0"

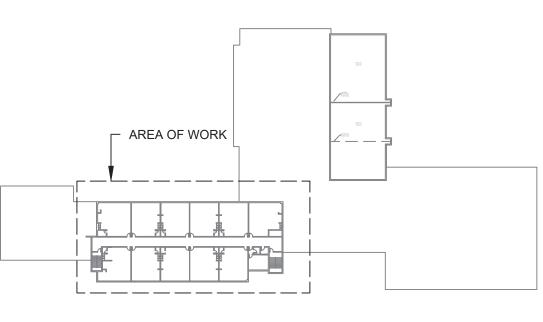
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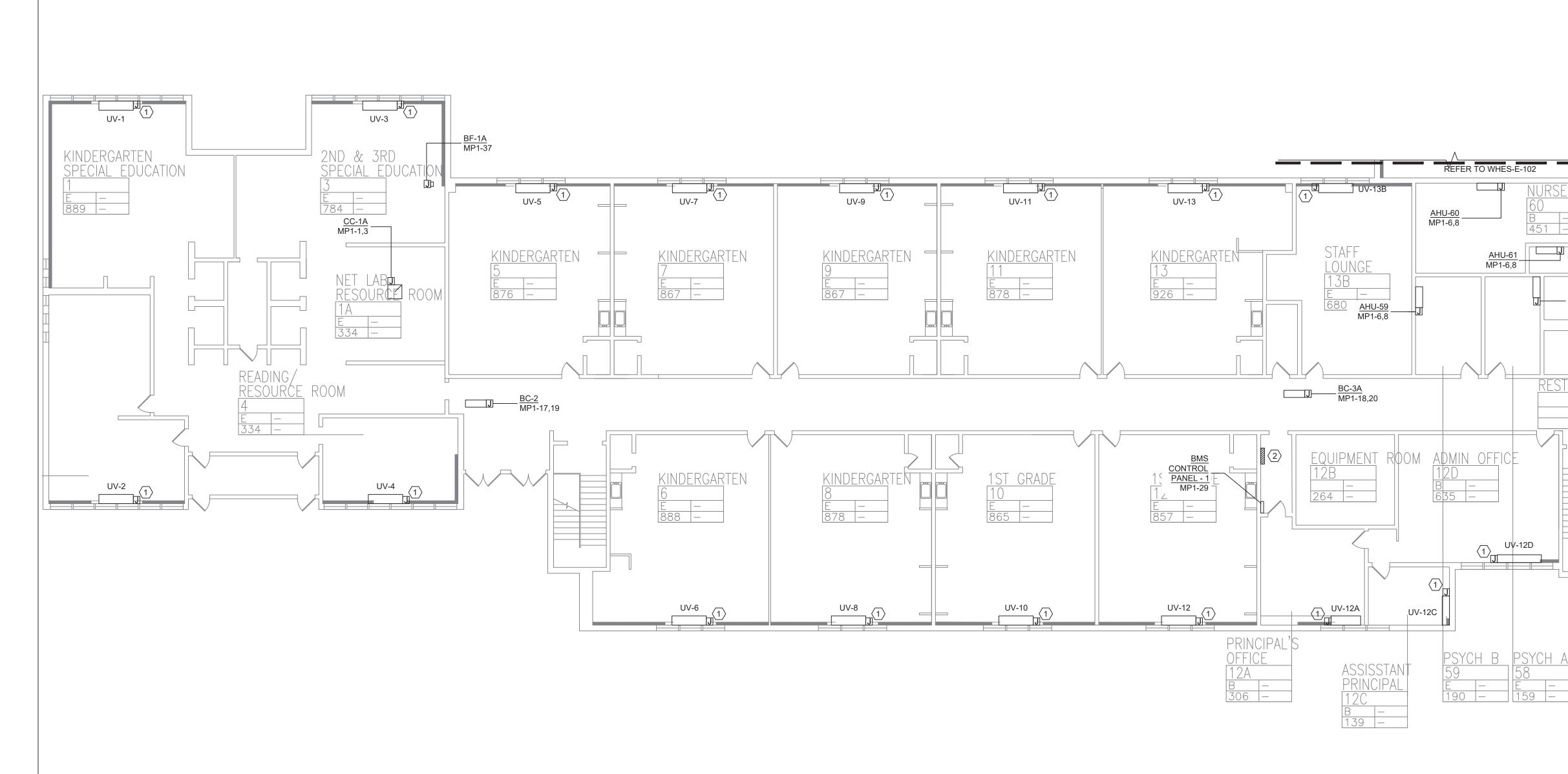
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KEY PLAN







FIRST FLOOR PARTIAL PLAN - ELECTRICAL - 1 SCALE: 3/32"=1'-0"



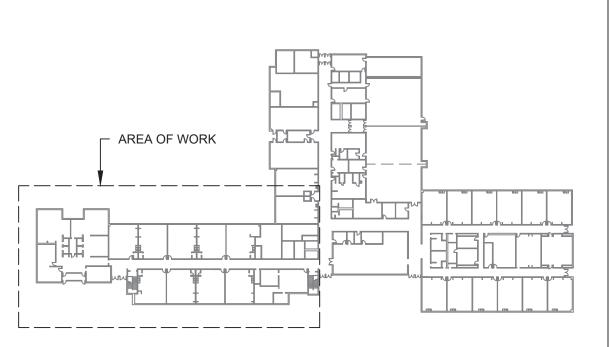
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__<u>AHU-58</u> MP1-6,8

- 1. REFER TO ADDITIONAL INSTALLATION NOTES ON DRAWING E-001.
- 2. ALL NEW BRANCH CIRCUIT SHALL BE RUN WITH MINIMUM OF 2#12+1#12G IN 3/4" CONDUIT, UNLESS OTHERWISE NOTED. FOR LIGHTING AND POWER BRANCH CIRCUIT, MC CABLE SHALL BE INSTALLED FOR RECESSED INSTALLATION ONLY, EITHER IN NEW WALLS OR ABOVE HUNG CEILING WHERE POSSIBLE. REFER TO PANEL SCHEDULES IN DRAWING WHES-E-501 FOR ALL OTHER FEEDER AND BRANCH CIRCUIT SIZE INFORMATION.
- 3. PROVIDE LABELS ON ALL ELECTRICAL EQUIPMENT INDICATING CIRCUIT ORIGINATION.
- 4. UPDATE ALL EXISTING PANEL DIRECTORIES AFFECTED BY NEW WORK.
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- 9. THE CONTRACTOR SHALL FIELD ROUTE FEEDER FOR NEW POWER PANELS. COORDINATE EXACT ROUTING PATH WITH OWNER. SUBMIT A PROPOSED ROUTING PATH TO ENGINEER OF RECORD FOR APPROVAL PRIOR TO RUNNING ANY CONDUIT OR WIRE ASSOCIATED WITH THIS FEEDER.
- 10. DISCONNECT SWITCH FOR UNIT VENTILATORS IS PROVIDED BY HVAC CONTRACTOR. COORDINATE WITH HVAC CONTRACTOR. COORDINATE WITH HVAC CONTRACTOR FOR DISCONNECT SWITCHES FOR ALL OTHER UNIT THAT ARE BEING PROVIDED BY THE HVAC CONTRACTOR.
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KEYED NOTES:

- $\langle \underline{1} \rangle$ RECONNECT EXISTING WIRING TO THE NEW UNIT VENTILATORS. EXTEND WIRING & CONDUIT IF NECESSARY.
- 2. PROVIDE AND INSTALL A NEW 100A, 120/208V, 3PH, 4W PANEL MP1. PROVIDE NEW WIRING AND CONDUIT. REFER TO WHES-E-500 FOR PANEL SCHEDULE.



KEY PLAN



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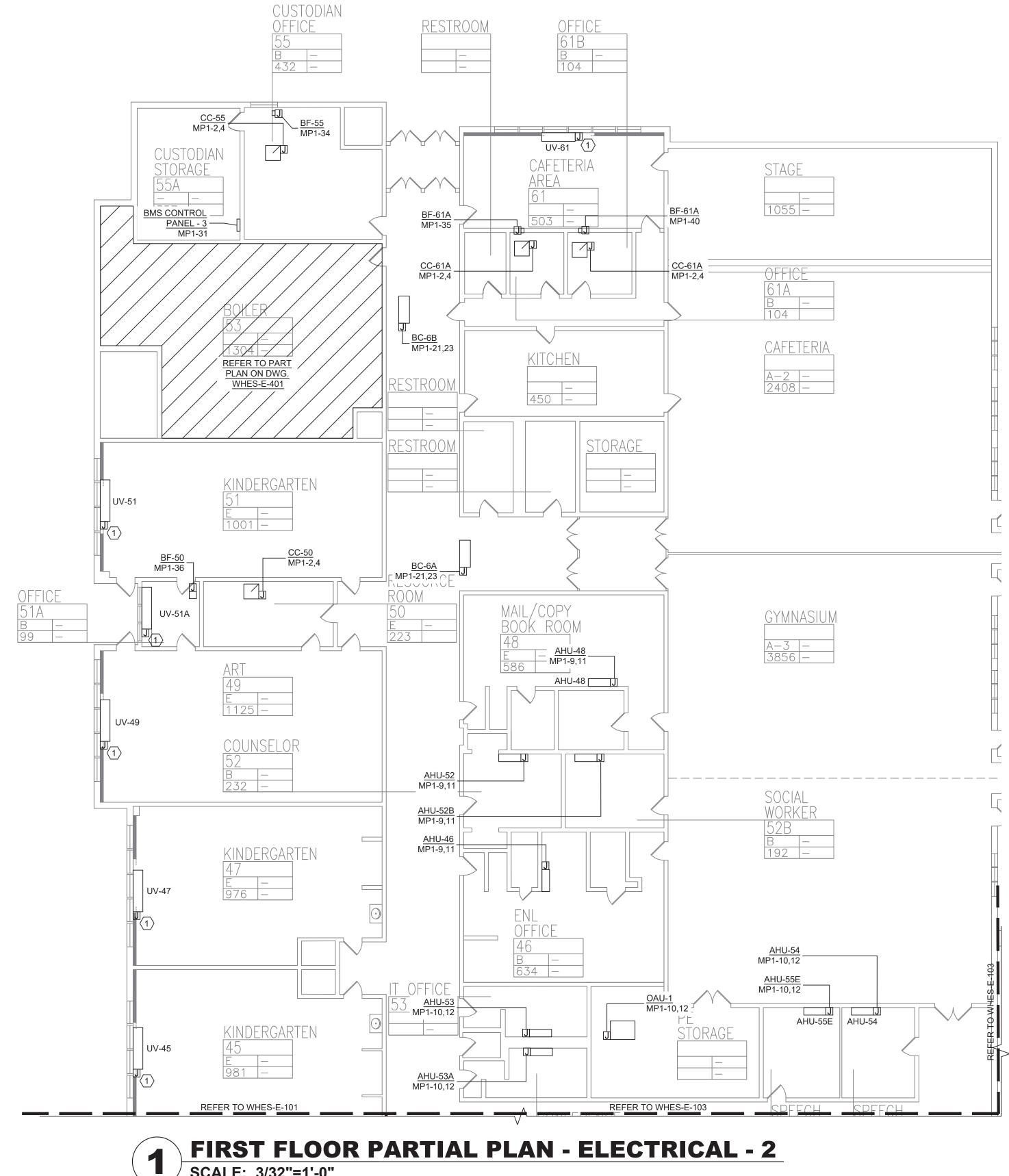
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SCALE: 3/32"=1'-0"

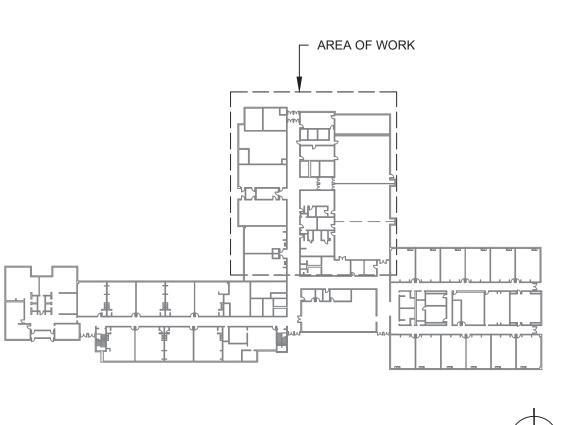


PLAN NOTES:

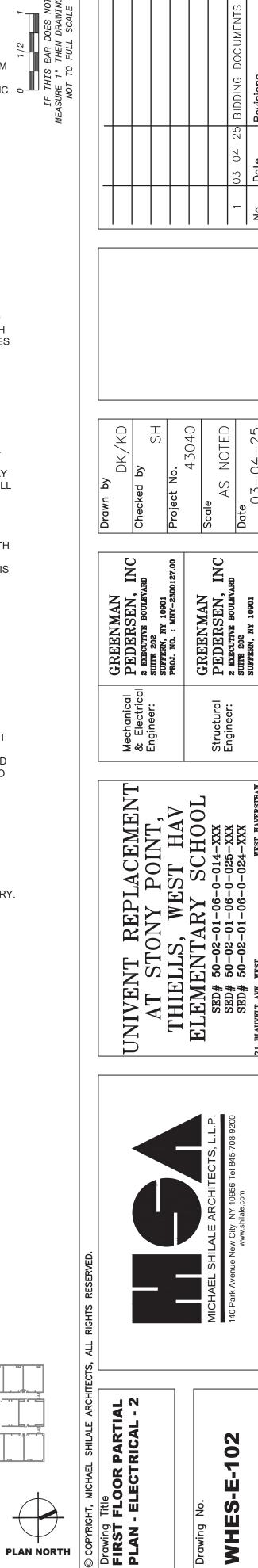
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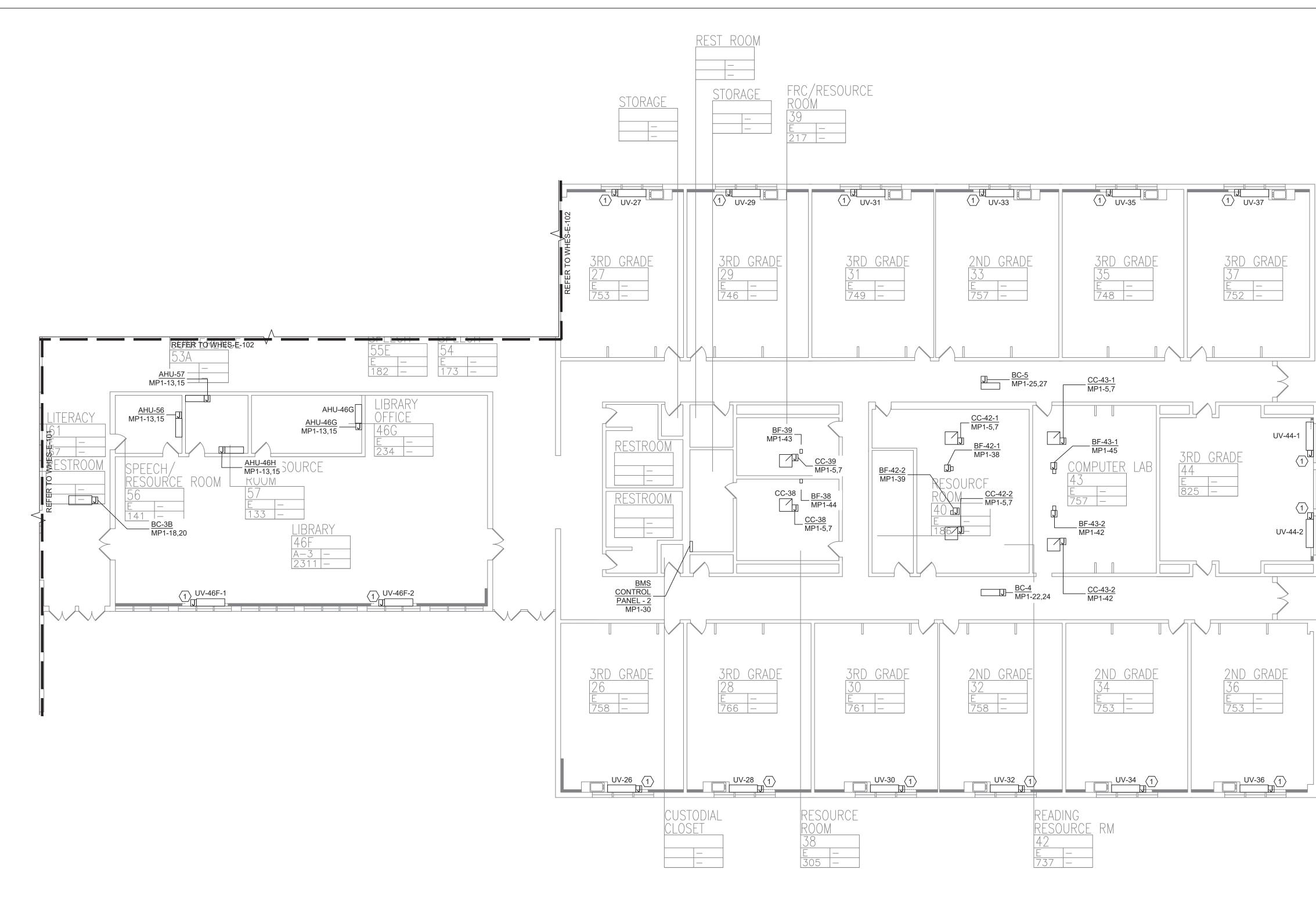
KEYED NOTES:

(1.) RECONNECT EXISTING WIRING TO THE NEW UNIT VENTILATORS. EXTEND WIRING & CONDUIT IF NECESSARY.



KEY PLAN







FIRST FLOOR PARTIAL PLAN - ELECTRICAL - 3

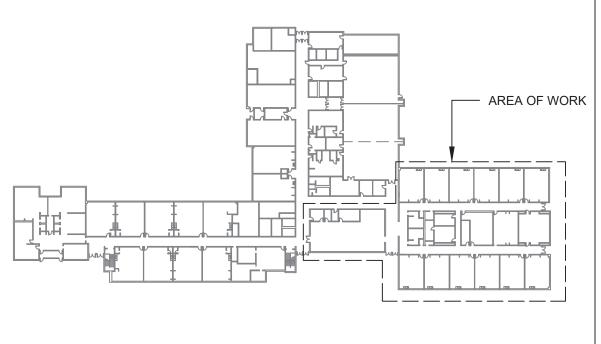


- REFER TO ADDITIONAL INSTALLATION NOTES ON DRAWING E-001.
- 2. ALL NEW BRANCH CIRCUIT SHALL BE RUN WITH MINIMUM OF 2#12+1#12G IN 3/4" CONDUIT, UNLESS OTHERWISE NOTED. FOR LIGHTING AND POWER BRANCH CIRCUIT, MC CABLE SHALL BE INSTALLED FOR RECESSED INSTALLATION ONLY, EITHER IN NEW WALLS OR ABOVE HUNG CEILING WHERE POSSIBLE. REFER TO PANEL SCHEDULES IN DRAWING WHES-E-501 FOR ALL OTHER FEEDER AND BRANCH CIRCUIT SIZE INFORMATION.
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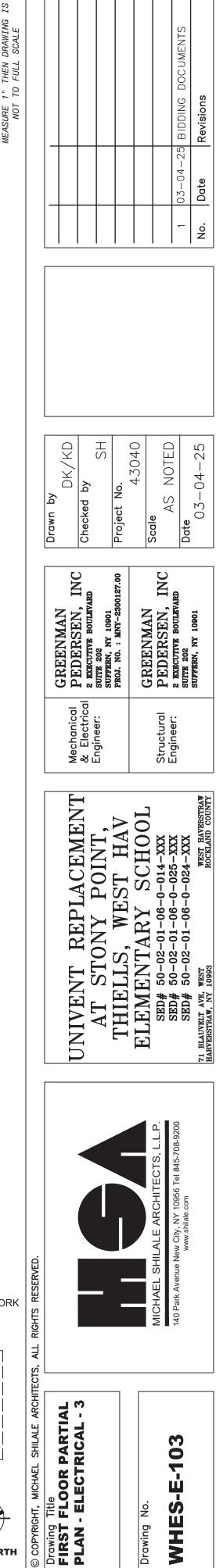
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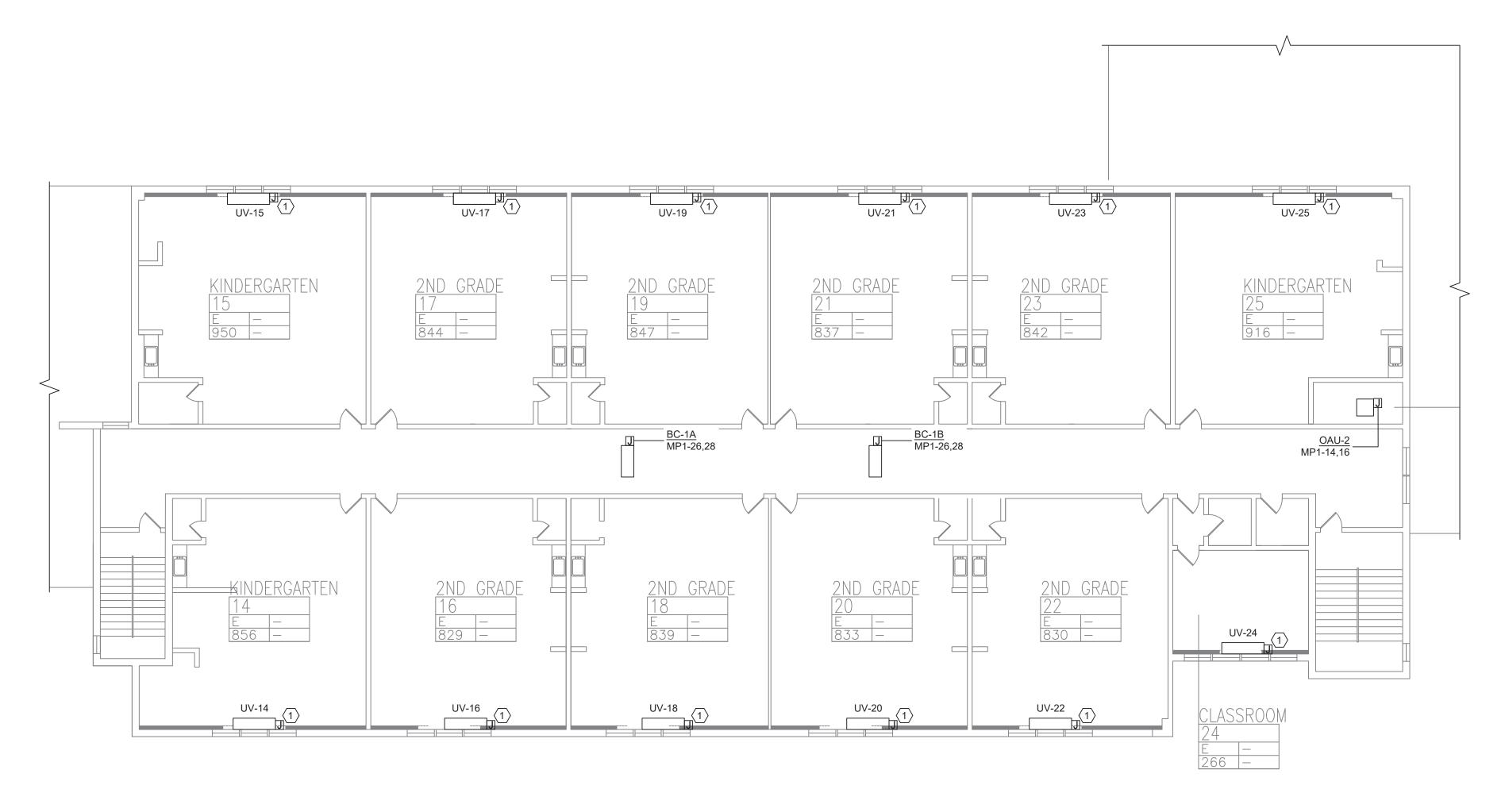
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KEY PLAN







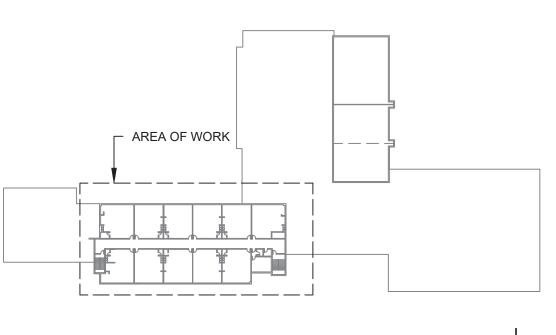
SECOND FLOOR PLAN - ELECTRICAL SCALE: 3/32"=1'-0"

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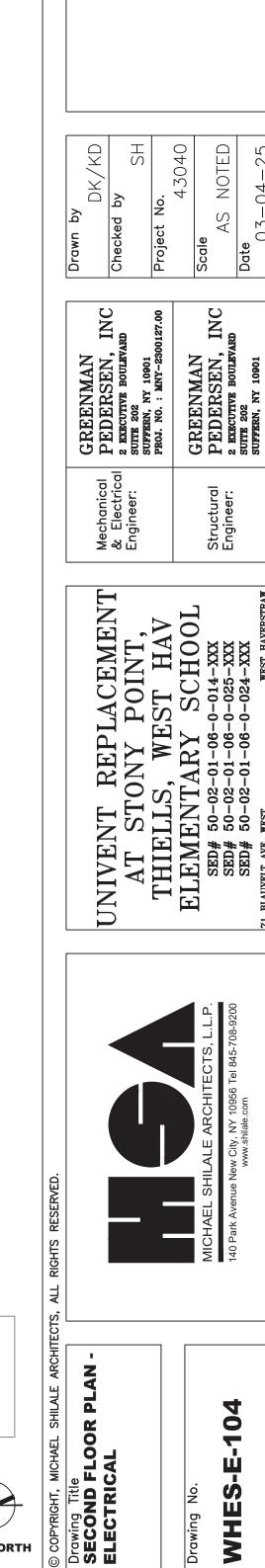
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KEY PLAN

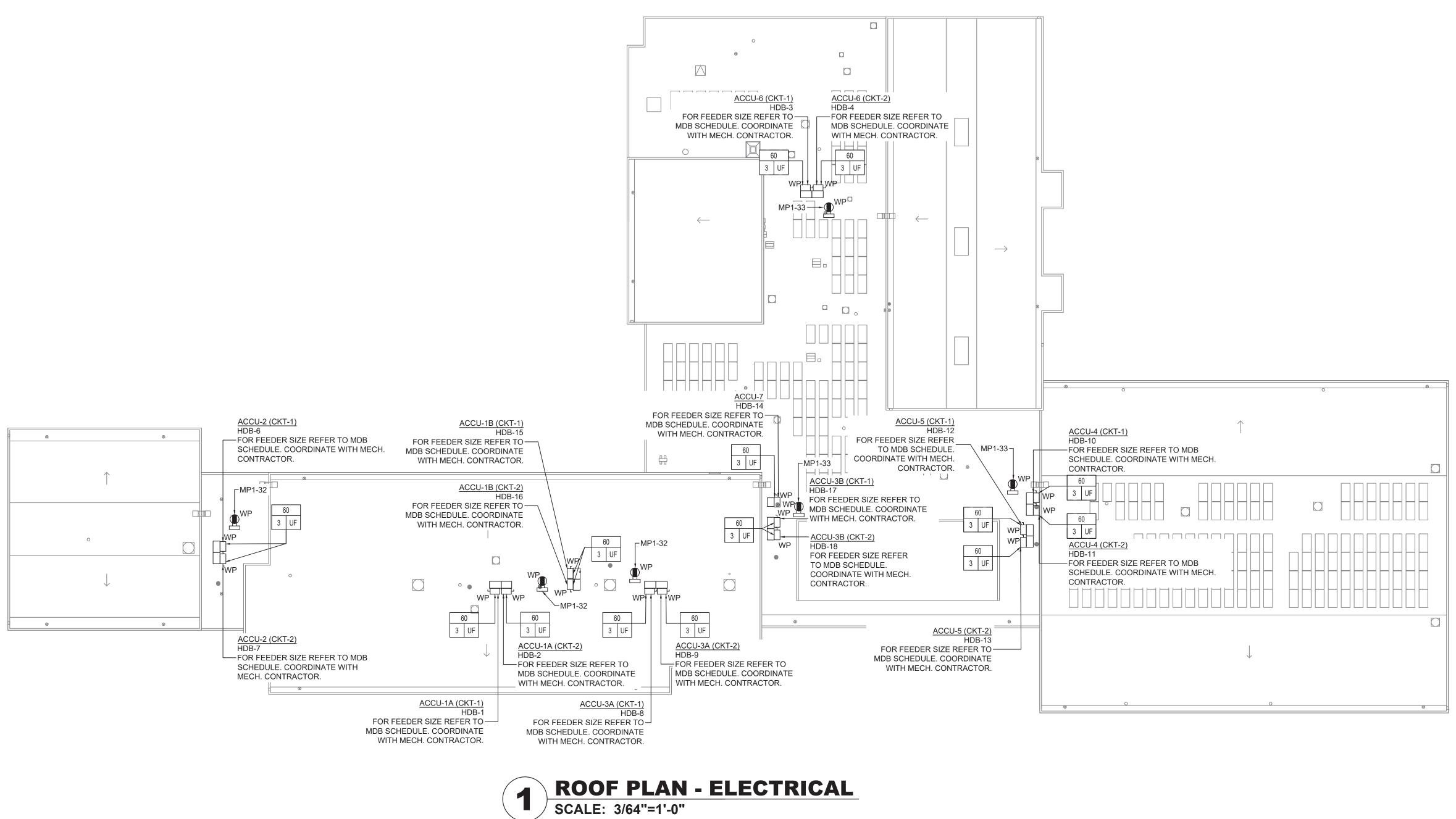
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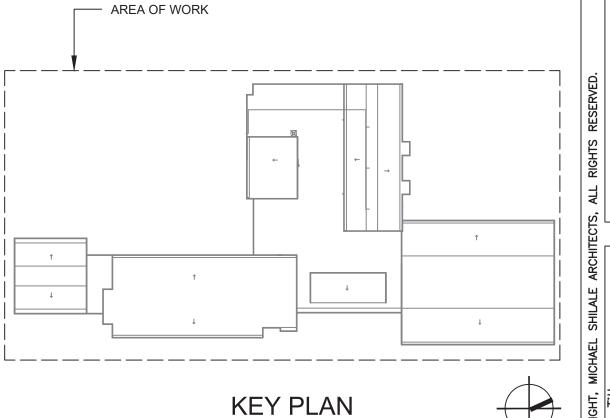


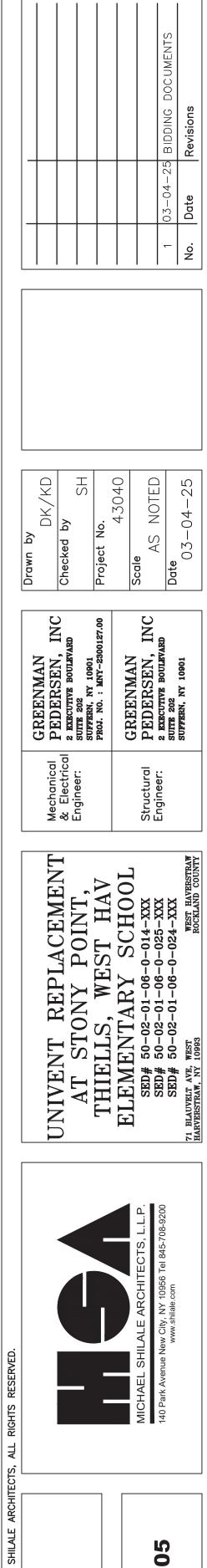


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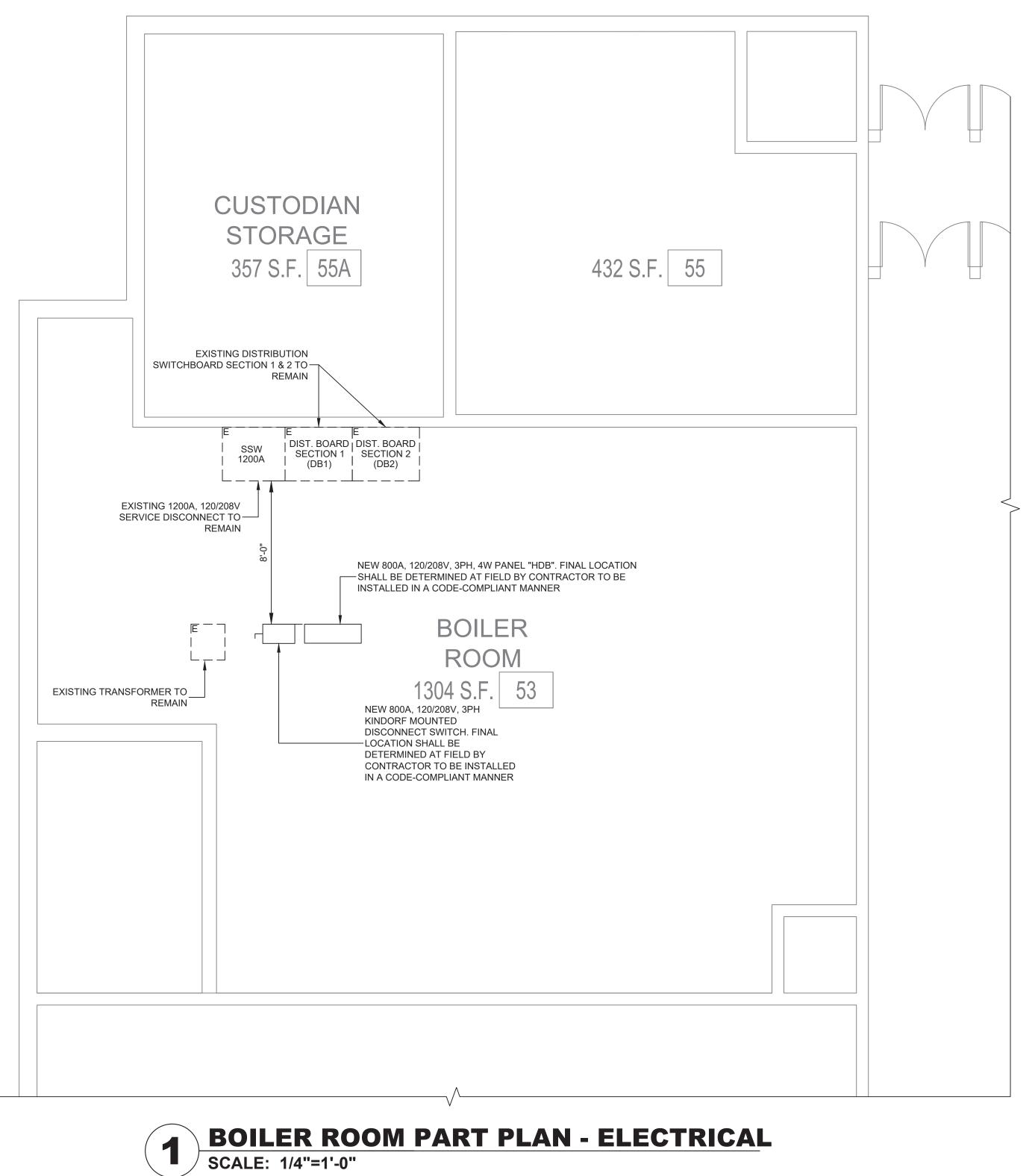




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PLAN NOTES:

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- 2. CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY UNAUTHORIZED DISRUPTION AND POWER OUTAGES.
- 3. MAINTAIN CIRCUIT CONTINUITY TO AREAS NOT AFFECTED BY CONSTRUCTION WORK.
- 4. CONTRACTOR IS TO TRACE AND PROTECT ALL FEEDER & BRANCH CIRCUITS FOR ALL AREAS OF THE SITE AND ALL OTHER ELECTRICAL EQUIPMENT DURING DEMOLITION/CONSTRUCTION. ELECTRICAL CONTRACTOR IS REQUIRED TO COORDINATE THIS REQUIREMENT WITH THE GENERAL CONTRACTOR AND ALL OTHER TRADES.
- 5. ROUTING OF ELECTRICAL CONDUITS IF SHOWN IN THE DRAWINGS ARE TENTATIVE. THE CONTRACTOR IS RESPONSIBLE TO FINALIZE THE ROUTING OF ALL ELECTRICAL CONDUITS AT FIELD IN COORDINATION WITH ALL OTHER TRADES, EXISTING AND NEW BUILDING ELEMENTS, STRUCTURES, PIPES, EQUIPMENT, LANDSCAPING ETC., FOR CODE COMPLIANT INSTALLATION.
- 6. ALL ELECTRIC SERVICES AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS & THE NATIONAL ELECTRIC CODE (NEC).
- 7. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE CODE COMPLIANT GROUNDING OF THE CIRCUITS, EQUIPMENT AND CONDUITS AS PER NEC AND SPECIFICATION.
- 8. ALL SPARE CONDUITS SHALL BE INSTALLED WITH DRAG LINES.



C с С Ä, GREENMAN PEDERSEN, 2 EXECUTIVE BOULEVA, 2 EXECUTIVE BOULEVA SULFFERN, NY 10901 PROJ. NO. : MNY-2300 GREENMAN PEDERSEN, 2 executive bouleva suite 202 suiteern, ny 10901 Mechanic & Electr Engineer Struc Engir NT Γ



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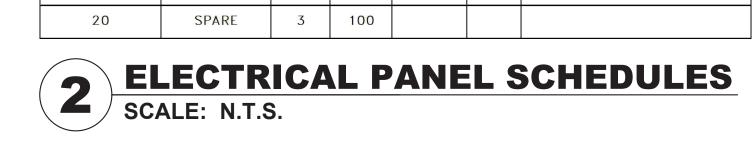


KEY PLAN



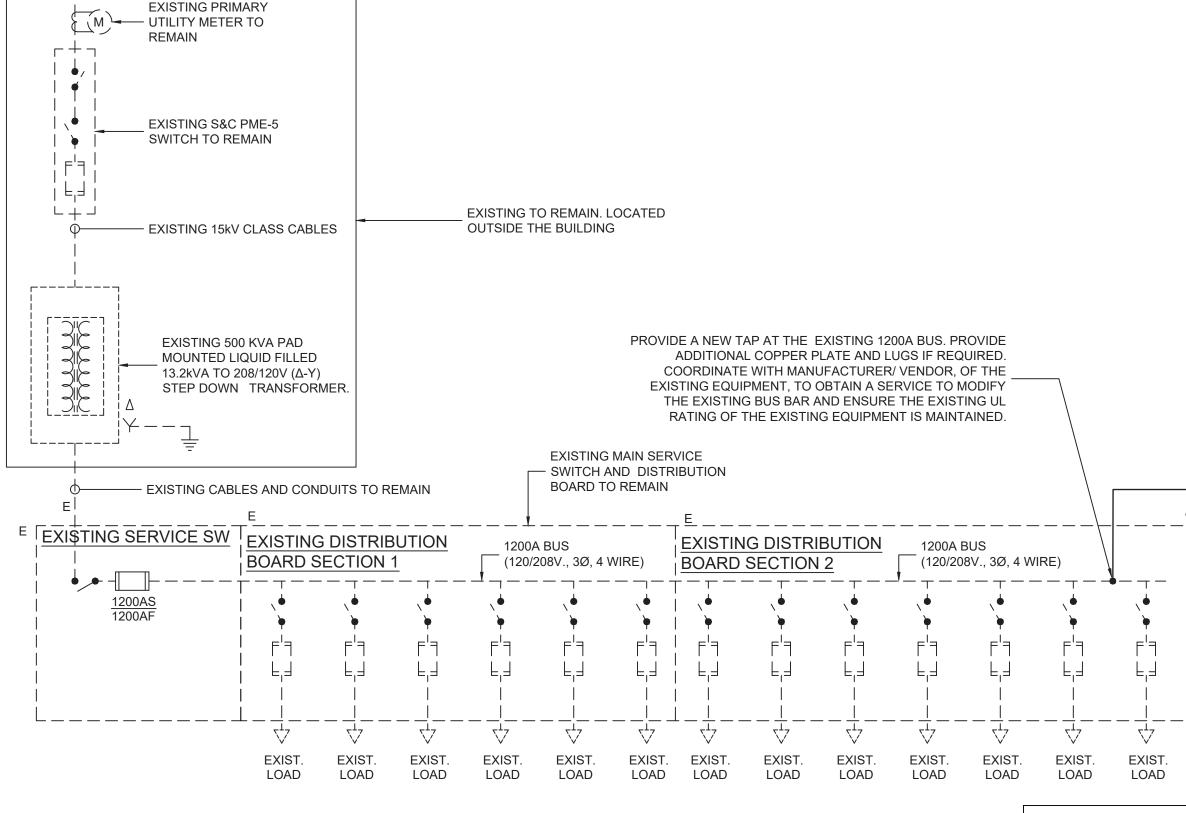
BOILE PLAN

401 N N Drawing



DIST. BOARD:	<u>HDB</u>	VOLT:	<u>120/20</u>)8v,3Ø,4W	<u>/.</u>	LOC. <u>BOILER ROOM</u>
MOUNTING:	FLOOR	AMP	RATING	<u>800A</u>		MAIN: <u>MLO</u>
DESIGN AMP:	<u>727</u>	AIC	RATING	<u>200kAIC</u>		TYPE: <u>NEW</u>
CIRCUIT No.	LOAD SVD	POLES	SWITCH	FUSE	LOAD	FEEDERS
1	ACCU-1A CKT-1	3	60	60	41	3#1+1#6 IN 1 1/2"C
2	CKT-1 ACCU-1A CKT-2 ACCU-6	3	60	45	31	3#2+1#6 IN 1 1/2"C
3	ACCU-6 <u>CKT-1</u> ACCU-6	3	60	60	49	3#4+1#8G IN 1 1/4"C
4	ACCU-6 CKT-2	3	60	60	49	3#4+1#8G IN 1 1/4"C
5	MP1	3	100	100	56	4#2/0+1#6G IN 2"C
6	ACCU-2 CKT-1	3	60	60	49	3#2/0+1#6G IN 2"C
7	CKT-1 ACCU-2 CKT-2	3	60	60	49	3#2/0+1#6G IN 2"C
8	CKT-2 ACCU-3A CKT-1	3	60	60	41	3#1+1#6G IN 1 1/2"C
9	CKT-1 ACCU-3A CKT-2	3	60	45	31	3#1+1#6G IN 1 1/2"C
10	CKT-2 ACCU-4 CKT-1	3	60	60	41	3#1+1#6G IN 1 1/2"C
11	CKT-1 ACCU-4 CKT-2	3	60	60	41	3#1+1#6G IN 1 1/2"C
12	CKT-2 ACCU-5 CKT-1	3	60	60	41	3#1+1#6G IN 1 1/2"C
13	CKT-1 ACCU-5 CKT-2	3	60	60	41	3#1+1#6G IN 1 1/2"C
14	ACCU-7	3	60	35	23	3#4+1#8G IN 1 1/4"C
15	ACCU-1B CKT-1	3	60	60	41	3#2/0+1#6G IN 2"C
16	CKT-1 ACCU-1B CKT-2 ACCU-3B	3	60	45	31	3#1/0+1#6G IN 2"C
17		3	60	60	41	3#2+1#8G IN 1 1/2"C
18	CKT-1 ACCU-3B CKT-2	3	60	45	31	3#4+1#8G IN 1 1/4"C
19	SPARE	3	100			
20	SPARE	3	100			





TO UTILITY \mathbf{r}

NOTES:

- 1. ALL CIRCUITS, FUSE DISCONNECT SWITCHES ARE THREE (3) POLE U.O.I.
- 2. FUSE RATING IN AMPS ARE DENOTED BY THE LETTERS "AF" SWITCH RATING IN AMPS ARE DENOTED BY THE LETTERS "AS".
- 3. FOR FEEDER SIZE TO PANELS AND DISTRIBUTION BOARDS REFER TO SCHEDULES.

4. UPDATE O&R WITH ADDITIONAL LOAD BEING ADDED TO THE SYSTEM PRIOR TO THE COMMENCEMENT OF WORK.

PANEL NOTES:

- 1. PANEL BOARDS SHALL INCLUDE ALL APPLICALBE UL AND PORODUCT SAFETY LABELS AS REQUIRED BY NEMA PB1 AND UL LISTED STANDARDS.
- 2. ALL PRODUCTS WHICH ARE NOT VERIFIABLE TO BE UL LISTED WILL NOT BE ACCEPTED.

3. THE ELECTRICAL CONTRACTOR MUST FIELD VERIFY THE EXISTING FEED TO ALL EXISTING PANELS AND INFORM EATON OR APPROVED EQUAL HOW EACH EXISTING PANEL IS BEING FED (i.e. BOTTOM FED OR TOP FED). PRIOR TO ORDERING THE PANEL. SHOULD AN INCORRECTLY FED BE ORDERED THE ELECTRICAL CONTRACTOR SHALL REPLACE THE PANEL AT NO ADDITIONAL COST

NEW 800A, 120/208V, 3PH DISCONNECT SWITCH FUSED AT - 800A. NEW DISCONNECT SWITCH SHALL BE WITHIN 25FT (25' CONDUCTOR LENGTH OF EACH PHASE) OF THE BUS TAP.

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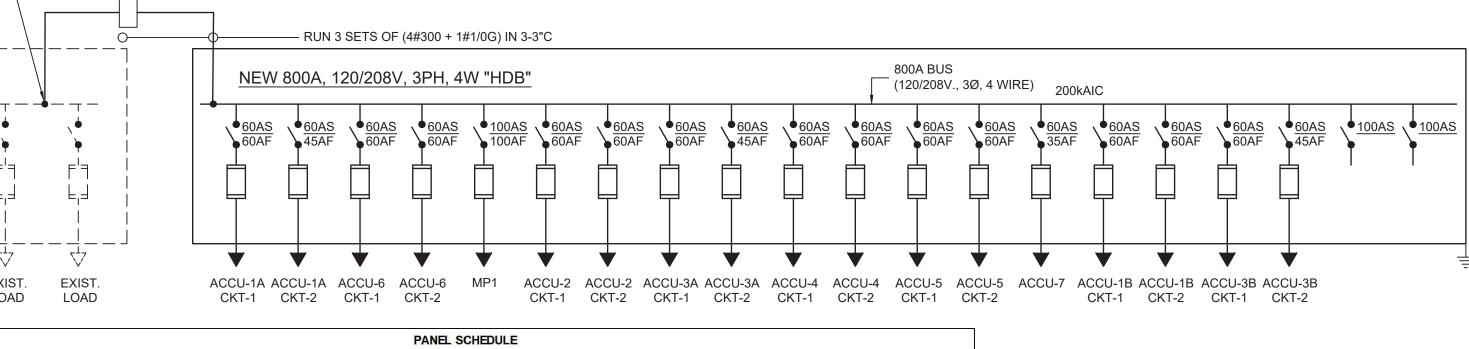
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EXIST.

LOAD



				PAN	EL SCHED	ULE				
PANEL NAME:	MP1	L	DCAT	ION:		CLOSE	Г		MOUNTING:	SURFACE
VOLTAGE/PHASE:	120/208V, 3 Phase, 4W & G	PANEL (AMP)		100A				FREQUENCY:	60 Hz	
PANEL SHORT CIRCUIT RATING(KA):	22 KA	FEEDER SIZE		4#2/0+1#6G IN 2"C			С	FEEDING SOURCE:	HDB	
MAIN BREAKER TYPE	MLO	MAIN BREAKER RATING (A):		100A				BRANCH C.B TYPE	МСВ	
					Phase Load in VA					
Load Designation	Wiring	C/B (A)	CT NO	AØ	BØ		CT NO	C/B (A)	Wiring	Load Designation
CC-1A	2#12+1#12G-3/4"C	20	1	50 200	50 200		2	20	2#12+1#12G-3/4"C	CC-55,61A,61B,50
CC-38,39,42-1,42-2, 43-1,43-2	2#12+1#12G-3/4"C	20	5	300 310	-	300 310	6	20	2#12+1#12G-3/4"C	AHU-58,59,60,61
AHU-46,48,52,52B	2#12+1#12G-3/4"C	20	9		310 700	310 700	10 12	20	2#12+1#12G-3/4"C	AHU-53,53A,54,55E & OUA-1
AHU-46G,46H,56,57	2#12+1#12G-3/4"C	20	13 15	310 400	310 400		14 16	20	2#12+1#12G-3/4"C	OAU-2
BC – 2	2#12+1#12G-3/4"C	20	17 19	200 400	ŀ	200 400	18 20	20	2#12+1#12G-3/4"C	BC-3A,3B
BC-6A,6B	2#12+1#12G-3/4"C	20	21		400 200	400 200	22 24	20	2#12+1#12G-3/4"C	BC-4
BC-5	2#12+1#12G-3/4"C	20	25 27	200 400	200		26 28	20	2#12+1#12G-3/4"C	BC – 1A, 1B
BMS CONTROL PANEL-1	2#12+1#12G-3/4"C	20	29			250 250	30	20	2#12+1#12G-3/4"C	BMS CONTROL PANEL-2
BMS CONTROL PANEL-3	2#12+1#12G-3/4"C	20	31	250 540			32	20	2#12+1#12G-3/4"C	ROOF RECEPTACLES
ROOF RECEPTACLES	2#12+1#12G-3/4"C	20	33	-	540 1080		34	20	2#8+1#10G-3/4"C	BF – 55
BF-61A	2#10+1#12G-3/4"C	20	35		-	1080 1080	36	20	2#10+1#12G-3/4"C	BF – 50
BF-1A	2#10+1#12G-3/4"C	20	37	1080 1080			38	20	2#10+1#12G-3/4"C	BF-42-1
BF-42-2	2#10+1#12G-3/4"C	35	39	-	1080 1080		40	20	2#10+1#12G-3/4"C	BF-61B
SPARE		20	41	1000		1656	42	20	2#10+1#12G-3/4"C	BF-43-2
BF – 39	2#10+1#12G-3/4"C	20	43	1080 1080	1050		44	20	2#10+1#12G-3/4"C	BF – 38
BF-43-1	2#10+1#12G-3/4"C	20	45	-	1656		46	20		SPARE
SPARE		20	47				48	20		SPARE
SPARE		20	49				50	20		SPARE
SPARE		20	51				52	20		SPARE
SPARE		20	53				54	20		SPARE
	TAL CONNECTED LOAD TAL CONNECTED LOAD TOTAL LOAD	D IN I	KVA	7880	8606 23.622 65.57	7136	COF	iel type Per Bus Dr: Indoo	, EQUIP. GROUND BAR	DUNTING: SURFACE



ABBREVIATION	S

MAIN DISTRIBUTION BOARD
AMPERE SWITCH
AMPERE FUSE
SWITCH
EXISTING TO REMAIN
OTHER ABBREVIATIONS REFER DWG E-00



UNIVENT REPLACEMENT Mechanical AT STONY POINT, THIELLS, WEST HAV	INTARY SCHOOL 50-02-01-06-0-014-XXX 50-02-01-06-0-025-XXX 50-02-01-06-0-024-XXX mest HAVERSTRAW REST HAVERSTRAW Rest RAVERSTRAW
	TARY SC 02-01-06-0-01 02-01-06-0-02 02-01-06-0-02
GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD SUITE 202 SUFFERN, NY 10901 FROJ. NO. : MNY-2300127.00	GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD SUFFERN, NY 10901
Drawn by DK/KD Checked by SH Project No.	43040 Scale AS NOTED Date 05-03-24
	No.
	Revisions

Drawing Title ELECTRICAL DIAGRAM AN SCHEDULES

Drawing No.