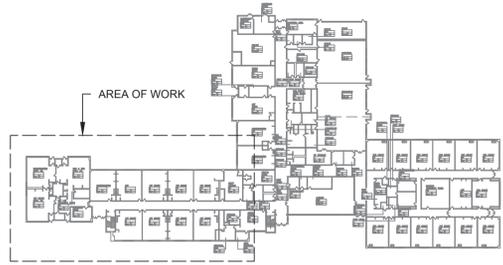


- REMOVAL NOTES:**
- FOR ELECTRICAL SYMBOLS & LEGENDS, GENERAL NOTES AND ABBREVIATIONS DRAWING LIST REFER TO DWG E001.00
 - MAINTAIN CIRCUIT CONTINUITY TO AREAS NOT AFFECTED BY DEMOLITION.
 - THE CONTRACTOR IS TO COORDINATE ALL SHUTDOWNS AND DISRUPTIONS TO NORMAL SERVICES WITH THE SCHOOLS FIELD REPRESENTATIVE AND THE FACILITY.
 - COORDINATE REMOVAL OF POWER TO MECHANICAL EQUIPMENT WITH THE RESPECTIVE CONTRACTOR.
 - 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.

- KEYED NOTES:**
- 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.
 - 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.



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



KEY PLAN



No.	Date	Revisions
1	03-04-25	BIDDING DOCUMENTS

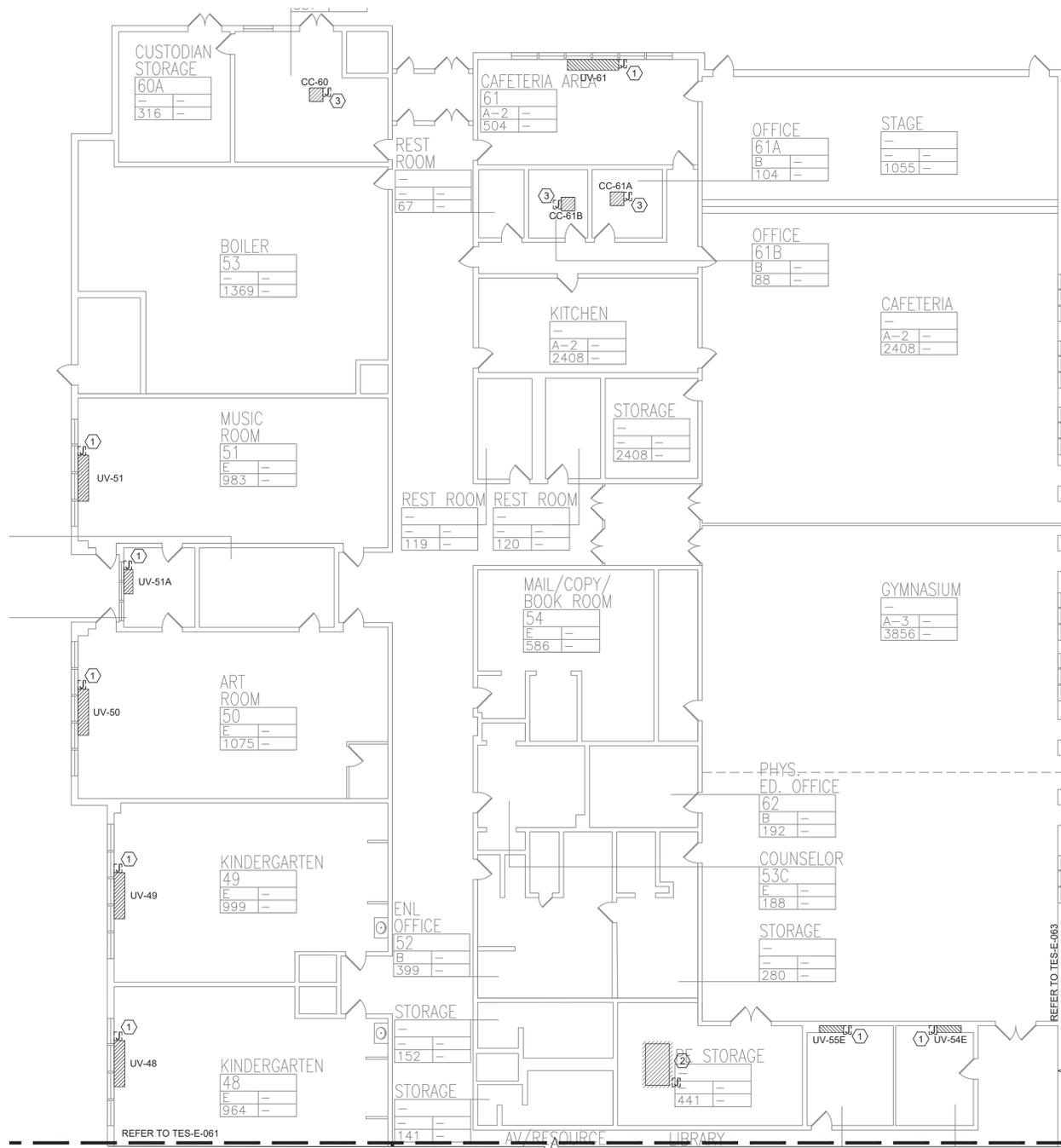
Drawn by	DK/KD
Checked by	SH
Project No.	43040
Scale	AS NOTED
Date	03-04-25

GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD SUFFERN, NY 10901 PROJ. NO. : MNY-500124.00	GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD SUFFERN, NY 10901
Mechanical Electrical Engineer:	Structural Engineer:

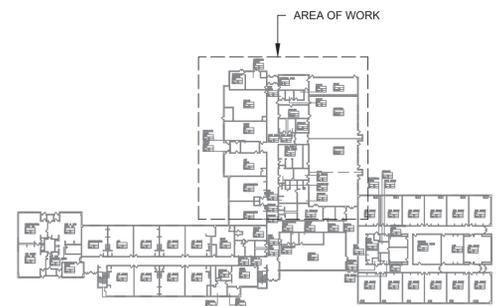
UNIVENT REPLACEMENT AT STONY POINT, THIELLS, WEST HAV ELEMENTARY SCHOOL
 SSD# 50-02-01-06-0-014-XXX
 SSD# 50-02-01-06-0-025-XXX
 SSD# 50-02-01-06-0-024-XXX
 BROOKLAND COUNTY, GEORGIA



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 Drawing Title: **FIRST FLOOR PARTIAL REMOVAL - ELECTRICAL - 1**
 Drawing No.: **TES-E-061**



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



KEY PLAN

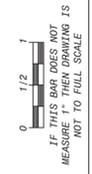


REMOVAL NOTES:

- FOR ELECTRICAL SYMBOLS & LEGENDS, GENERAL NOTES AND ABBREVIATIONS DRAWING LIST REFER TO DWG E001.00
- MAINTAIN CIRCUIT CONTINUITY TO AREAS NOT AFFECTED BY DEMOLITION.
- THE CONTRACTOR IS TO COORDINATE ALL SHUTDOWNS AND DISRUPTIONS TO NORMAL SERVICES WITH THE SCHOOLS FIELD REPRESENTATIVE AND THE FACILITY.
- COORDINATE REMOVAL OF POWER TO MECHANICAL EQUIPMENT WITH THE RESPECTIVE CONTRACTOR.
- 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.

KEYED NOTES:

- 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.
- 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.
- ELECTRICAL CONTRACTOR SHALL DISCONNECT POWER TO EXISTING CEILING CASSETTE AND REMOVE EXISTING WIRING. JUNCTION BOXES TO EXISTING CASSETTE BACK TO SOURCE. THE EXISTING CASSETTE SHALL BE REMOVED BY THE MECHANICAL CONTRACTOR.



No.	Date	Revisions
1	03-04-25	BIDDING DOCUMENTS

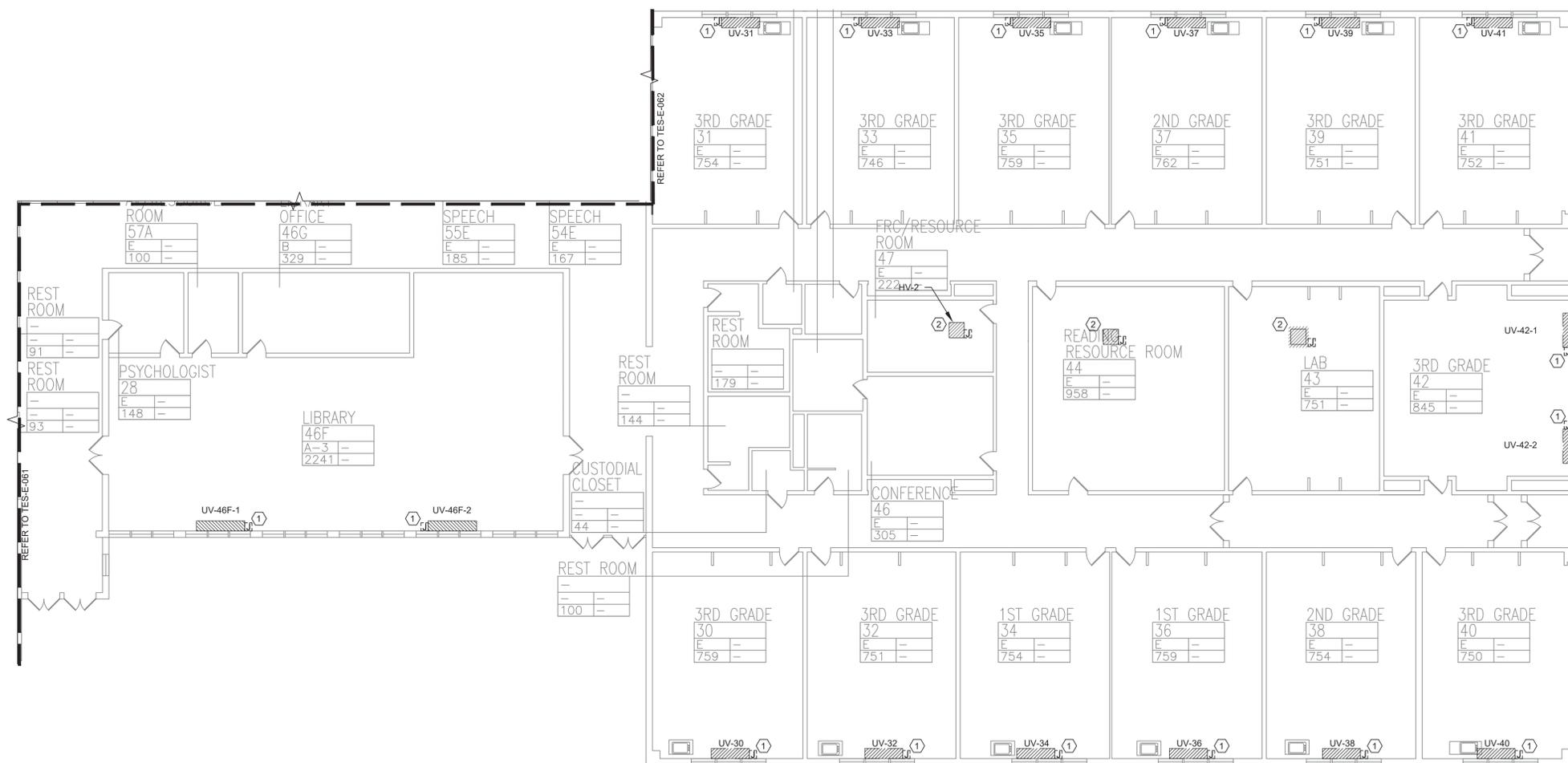
Drawn by	DK/KD
Checked by	SH
Project No.	43040
Scale	AS NOTED
Date	03-04-25

GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD SUFFERN, NY 10901 PROJ. NO. : MNY-000128.00	GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD SUFFERN, NY 10901
Mechanical Electrical Engineer:	Structural Engineer:

UNIVENT REPLACEMENT AT STONY POINT, THIELLS, WEST HAV ELEMENTARY SCHOOL
 SDD# 50-02-01-06-0-014-XXX
 SDD# 50-02-01-06-0-025-XXX
 SDD# 50-02-01-06-0-024-XXX
 BROOKLAND COUNTY
 THIBAUZ, NY 12084



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 Drawing Title
FIRST FLOOR PARTIAL REMOVAL - ELECTRICAL - 2
 Drawing No.
TES-E-062



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

REMOVAL NOTES:

- FOR ELECTRICAL SYMBOLS & LEGENDS, GENERAL NOTES AND ABBREVIATIONS DRAWING LIST REFER TO DWG E001.00
- MAINTAIN CIRCUIT CONTINUITY TO AREAS NOT AFFECTED BY DEMOLITION.
- THE CONTRACTOR IS TO COORDINATE ALL SHUTDOWNS AND DISRUPTIONS TO NORMAL SERVICES WITH THE SCHOOLS FIELD REPRESENTATIVE AND THE FACILITY.
- COORDINATE REMOVAL OF POWER TO MECHANICAL EQUIPMENT WITH THE RESPECTIVE CONTRACTOR.
- 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.

KEYED NOTES:

- 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.
- 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.



No.	Date	Revisions
1	03-04-25	BIDDING DOCUMENTS

Drawn by	DK/KD
Checked by	SH
Project No.	43040
Scale	AS NOTED
Date	03-04-25

Mechanical Electrical Engineer:	GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD SUFFERN, NY 10901 PROJ. NO. : MNY-000126.00
Structural Engineer:	GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD SUFFERN, NY 10901

UNIVENT REPLACEMENT AT STONY POINT, THIELLS, WEST HAV ELEMENTARY SCHOOL
 SSD# 50-02-01-06-0-014-XXX
 SSD# 50-02-01-06-0-025-XXX
 SSD# 50-02-01-06-0-024-XXX
 PROJECT LOCATION: BROOKLAND COUNTY, GEORGIA



KEY PLAN



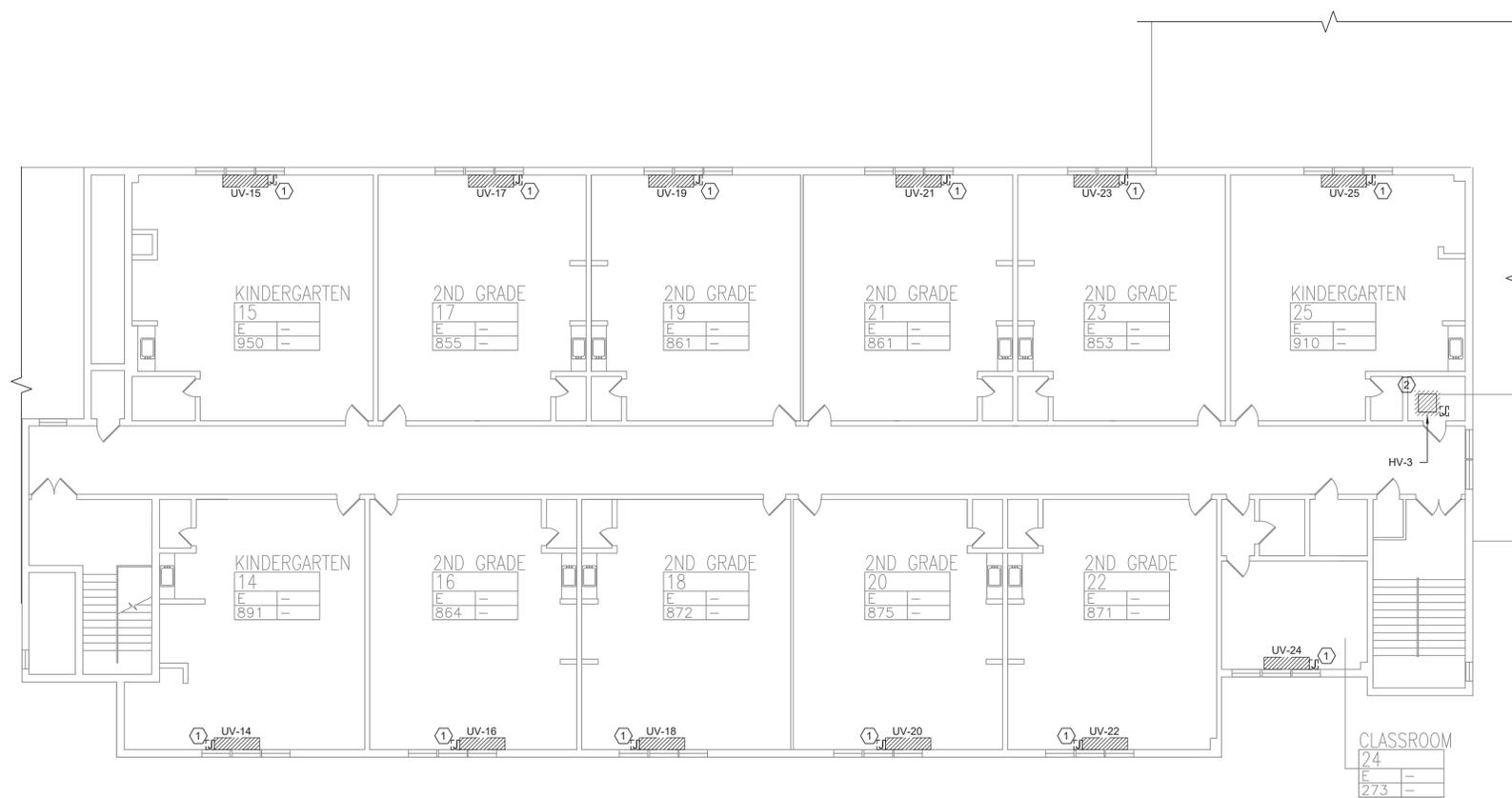
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Drawing Title
FIRST FLOOR PARTIAL REMOVAL - ELECTRICAL - 3

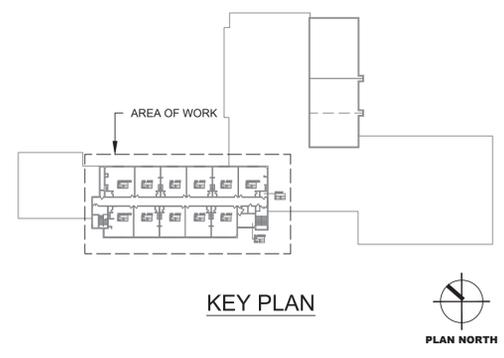
Drawing No.
TES-E-063



MICHAEL SHILALE ARCHITECTS, LLP
140 Park Avenue New York, NY 10050 Tel 845-708-9200
www.shilale.com



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



KEY PLAN

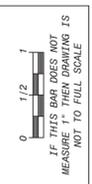


REMOVAL NOTES:

- FOR ELECTRICAL SYMBOLS & LEGENDS, GENERAL NOTES AND ABBREVIATIONS DRAWING LIST REFER TO DWG E001.00
- MAINTAIN CIRCUIT CONTINUITY TO AREAS NOT AFFECTED BY DEMOLITION.
- THE CONTRACTOR IS TO COORDINATE ALL SHUTDOWNS AND DISRUPTIONS TO NORMAL SERVICES WITH THE SCHOOLS FIELD REPRESENTATIVE AND THE FACILITY.
- COORDINATE REMOVAL OF POWER TO MECHANICAL EQUIPMENT WITH THE RESPECTIVE CONTRACTOR.
- 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.

KEYED NOTES:

- 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.
- 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.



No.	Date	Revisions
1	03-04-25	BIDDING DOCUMENTS

Drawn by	DK/KD
Checked by	SH
Project No.	43040
Scale	AS NOTED
Date	03-04-25

GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD SUITE 1001 BROOKLYN, NY 10001 PROJ. NO. : MNY-200012400	GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD SUITE 1001 BROOKLYN, NY 10001
Mechanical Electrical Engineer:	Structural Engineer:

UNIVENT REPLACEMENT AT STONY POINT, THIELLS, WEST HAVEN ELEMENTARY SCHOOL
 SDD# 50-02-01-06-0-014-XXX
 SDD# 50-02-01-06-0-024-XXX
 SDD# 50-02-01-06-0-024-XXX
 BROOKLYN, NY 10004



Drawing Title SECOND FLOOR REMOVAL - ELECTRICAL	Drawing No. TES-E-064
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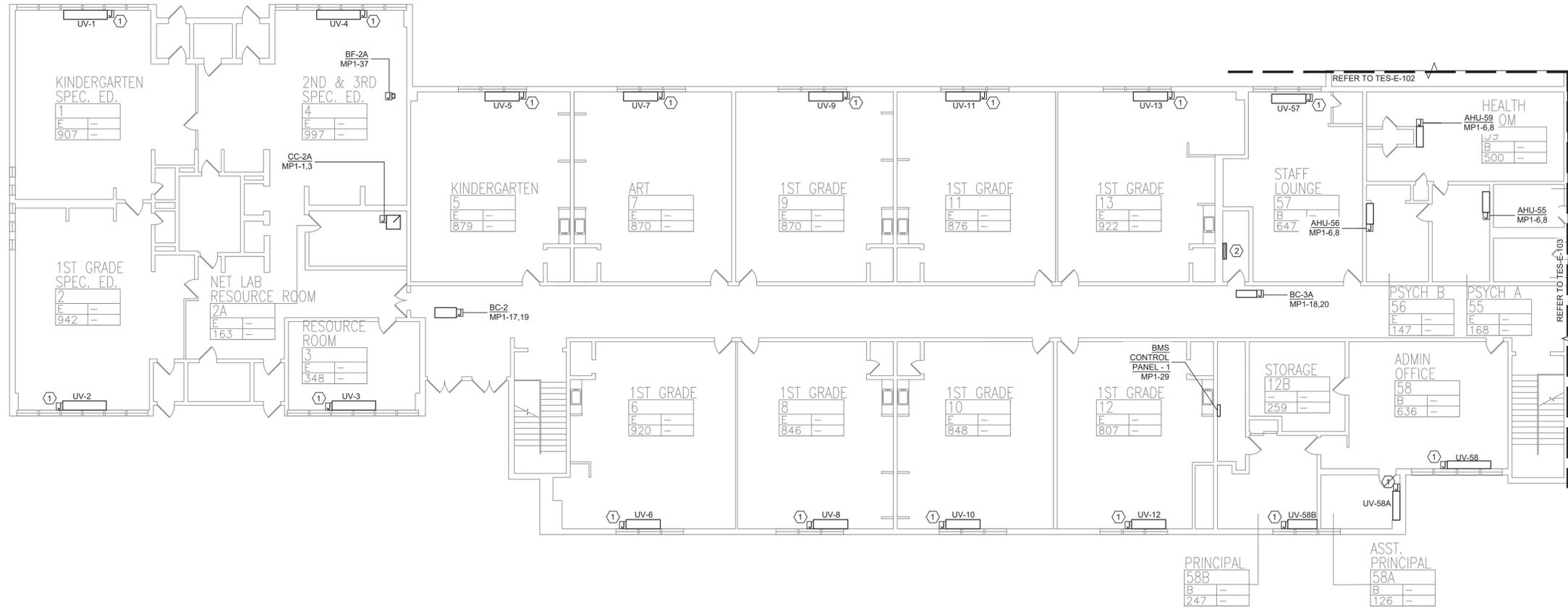
PLAN NOTES:

- REFER TO ADDITIONAL INSTALLATION NOTES ON DRAWING E-001.
- 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 TES-E-501 FOR ALL OTHER FEEDER AND BRANCH CIRCUIT SIZE INFORMATION.
- PROVIDE LABELS ON ALL ELECTRICAL EQUIPMENT INDICATING CIRCUIT ORIGINATION.
- UPDATE ALL EXISTING PANEL DIRECTORIES AFFECTED BY NEW WORK.
- CONTRACTOR SHALL PERFORM AMP PROBE READINGS ON EXISTING SERVICE EQUIPMENT BEFORE AND AFTER WORK TO ENSURE EQUIPMENT WILL NOT BE LOADED BEYOND ITS MAX AMPACITY.
- CONTRACTOR SHALL MAINTAIN CONTINUITY TO ALL EXISTING CIRCUITRY TO REMAIN WHICH ARE AFFECTED BY THE SCOPE OF WORK; CONTRACTOR SHALL FURNISH ALL NECESSARY JUNCTION BOXES, CONDUIT, AND WIRES AS REQUIRED TO KEEP CONTINUITY.
- REFER TO MECHANICAL PLANS FOR EQUIPMENT TO BE SUPPLIED BY OTHER TRADES AND INSTALLED/WIRED UNDER THIS SECTION. COORDINATE LOCATION OF DEVICES WITH OTHER CONTRACTORS.
- PROVIDE FIRESTOPPING FOR ALL PENETRATIONS TO MATCH EXISTING FIRE RATING WHERE APPLICABLE. ALL CORE DRILLS SHALL BE VERIFIED BY BUILDING REPRESENTATIVE PRIOR TO COMMENCING WORK. X-RAY ALL FLOOR SLABS PRIOR TO ROUGH-INS FOR CORE DRILL WORK.
- 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.
- DISCONNECT SWITCH FOR UNIT VENTILATORS IS PROVIDED BY HVAC CONTRACTOR. COORDINATE WITH HVAC CONTRACTOR FOR DISCONNECT SWITCHES FOR ALL OTHER UNIT THAT ARE BEING PROVIDED BY THE HVAC CONTRACTOR.

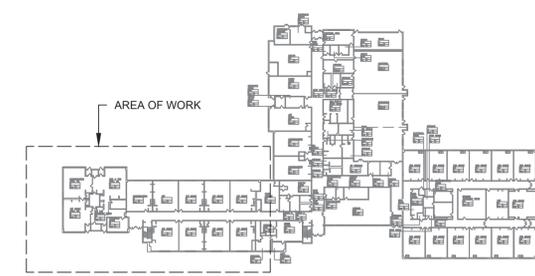
- ALL GROUNDING SHALL BE PROVIDED BY THE CONTRACTOR AS PER NEC 2017.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO ENLARGE AND FUR OUT EXISTING OPENING FOR EXISTING PANELS AND WHERE REQUIRED. ACCOMMODATE THE NEW BACK BOXES AND HOUSING OF THE NEW RECESSED MOUNTED PANELS TO BE INSTALLED. THE ELECTRICAL CONTRACTOR SHALL ALSO ENGAGE THE GC TO RESTORE AND FINISH THE WALLS TO MATCH THE SURROUNDING WALLS OF THE AREA.

KEYED NOTES:

- RECONNECT EXISTING WIRING TO THE NEW UNIT VENTILATORS. EXTEND WIRING & CONDUIT IF NECESSARY.
- PROVIDE AND INSTALL A NEW 100A, 120/208V, 3PH, 4W PANEL MP1. PROVIDE NEW WIRING AND CONDUIT. REFER TO TES-E-501 FOR PANEL SCHEDULE.



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



KEY PLAN



No.	Date	Revisions
1	03-04-25	BIDDING DOCUMENTS

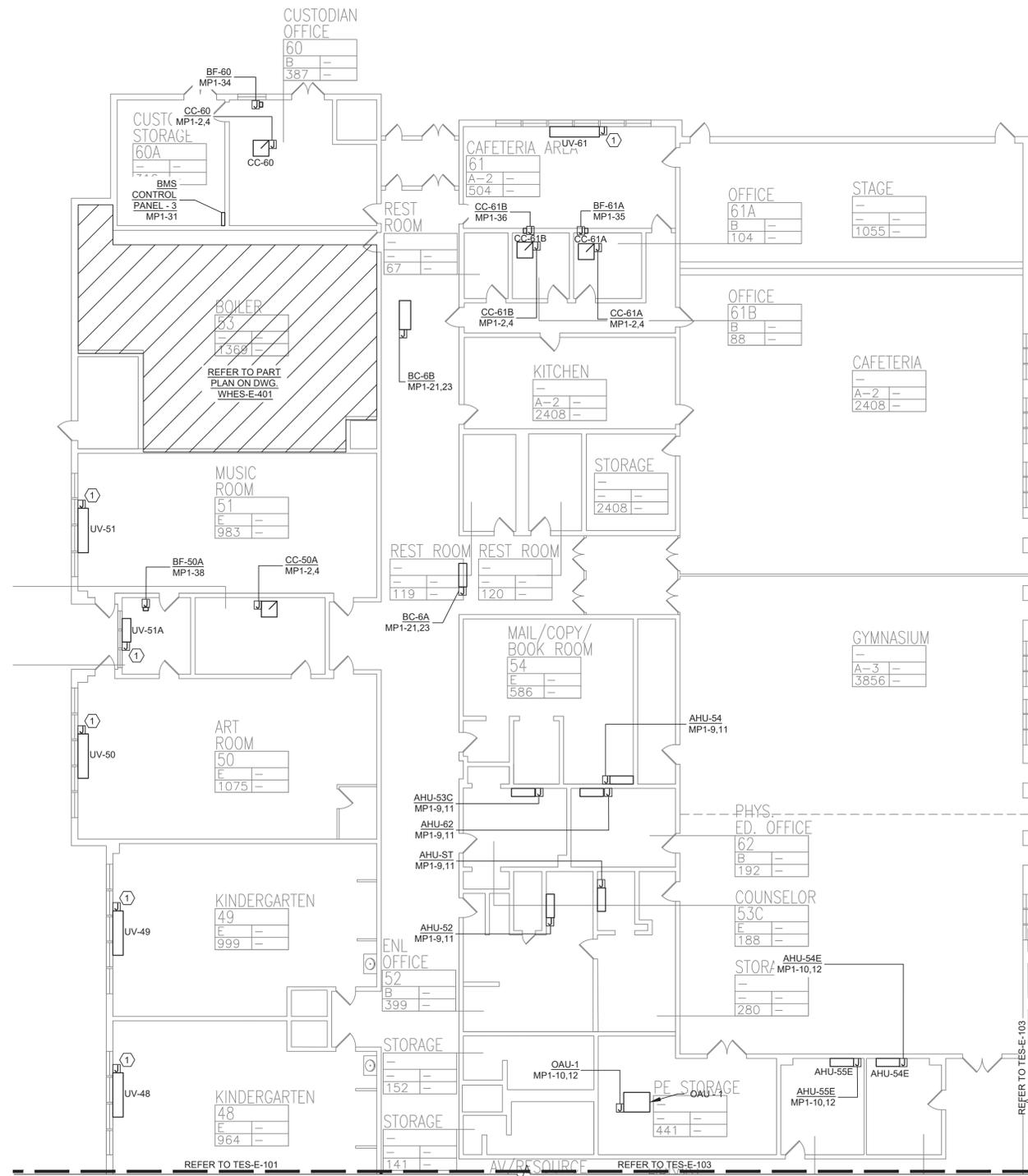
Drawn by	DK/KD
Checked by	SH
Project No.	43040
Scale	AS NOTED
Date	03-04-25

Mechanical Electrical Engineer:	GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD SUFFERN, NY 10901 PROJ. NO.: NY-500187.00
	GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD SUFFERN, NY 10901
Structural Engineer:	GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD SUFFERN, NY 10901

UNIVENT REPLACEMENT AT STONY POINT, THIELLS, WEST HAVEN ELEMENTARY SCHOOL
 SSD# 50-02-01-06-0-014-XXX
 SSD# 50-02-01-06-0-025-XXX
 SSD# 50-02-01-06-0-024-XXX
 PROJECT NO. 10294
 ROCKLAND COUNTY



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 Drawing Title: **FIRST FLOOR PARTIAL PLAN - ELECTRICAL - 1**
 Drawing No.: **TES-E-101**



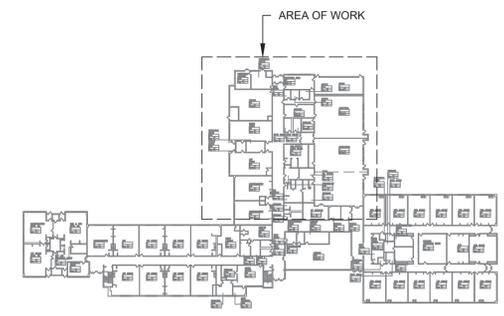
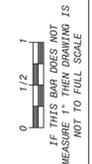
1 FIRST FLOOR PARTIAL PLAN - ELECTRICAL - 2
SCALE: 3/32"=1'-0"

PLAN NOTES:

- REFER TO ADDITIONAL INSTALLATION NOTES ON DRAWING E-001.
- 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 TES-E-501 FOR ALL OTHER FEEDER AND BRANCH CIRCUIT SIZE INFORMATION.
- PROVIDE LABELS ON ALL ELECTRICAL EQUIPMENT INDICATING CIRCUIT ORIGINATION.
- UPDATE ALL EXISTING PANEL DIRECTORIES AFFECTED BY NEW WORK.
- CONTRACTOR SHALL PERFORM AMP PROBE READINGS ON EXISTING SERVICE EQUIPMENT BEFORE AND AFTER WORK TO ENSURE EQUIPMENT WILL NOT BE LOADED BEYOND ITS MAX AMPACITY.
- CONTRACTOR SHALL MAINTAIN CONTINUITY TO ALL EXISTING CIRCUITRY TO REMAIN WHICH ARE AFFECTED BY THE SCOPE OF WORK. CONTRACTOR SHALL FURNISH ALL NECESSARY JUNCTION BOXES, CONDUIT, AND WIRES AS REQUIRED TO KEEP CONTINUITY.
- REFER TO MECHANICAL PLANS FOR EQUIPMENT TO BE SUPPLIED BY OTHER TRADES AND INSTALLED/WIRED UNDER THIS SECTION. COORDINATE LOCATION OF DEVICES WITH OTHER CONTRACTORS.
- PROVIDE FIRESTOPPING FOR ALL PENETRATIONS TO MATCH EXISTING FIRE RATING WHERE APPLICABLE. ALL CORE DRILLS SHALL BE VERIFIED BY BUILDING REPRESENTATIVE PRIOR TO COMMENCING WORK. X-RAY ALL FLOOR SLABS PRIOR TO ROUGH-INS FOR CORE DRILL WORK.
- 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.
- DISCONNECT SWITCH FOR UNIT VENTILATORS IS PROVIDED BY HVAC CONTRACTOR. COORDINATE WITH HVAC CONTRACTOR FOR DISCONNECT SWITCHES FOR ALL OTHER UNIT THAT ARE BEING PROVIDED BY THE HVAC CONTRACTOR.
- ALL GROUNDING SHALL BE PROVIDED BY THE CONTRACTOR AS PER NEC 2017.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO ENLARGE AND FUR OUT EXISTING OPENING FOR EXISTING PANELS AND WHERE REQUIRED. ACCOMMODATE THE NEW BACK BOXES AND HOUSING OF THE NEW RECESSED MOUNTED PANELS TO BE INSTALLED. THE ELECTRICAL CONTRACTOR SHALL ALSO ENGAGE THE GC TO RESTORE AND FINISH THE WALLS TO MATCH THE SURROUNDING WALLS OF THE AREA.

KEYED NOTES:

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



KEY PLAN

No.	Date	Revisions
1	03-04-25	BIDDING DOCUMENTS

Drawn by	DK/KD
Checked by	SH
Project No.	43040
Scale	AS NOTED
Date	03-04-25

GREENMAN PEDERSEN, INC MECHANICAL ELECTRICAL ENGINEER PROJ. NO.: NY-20012700	GREENMAN PEDERSEN, INC STRUCTURAL ENGINEER PROJ. NO.: NY-1001
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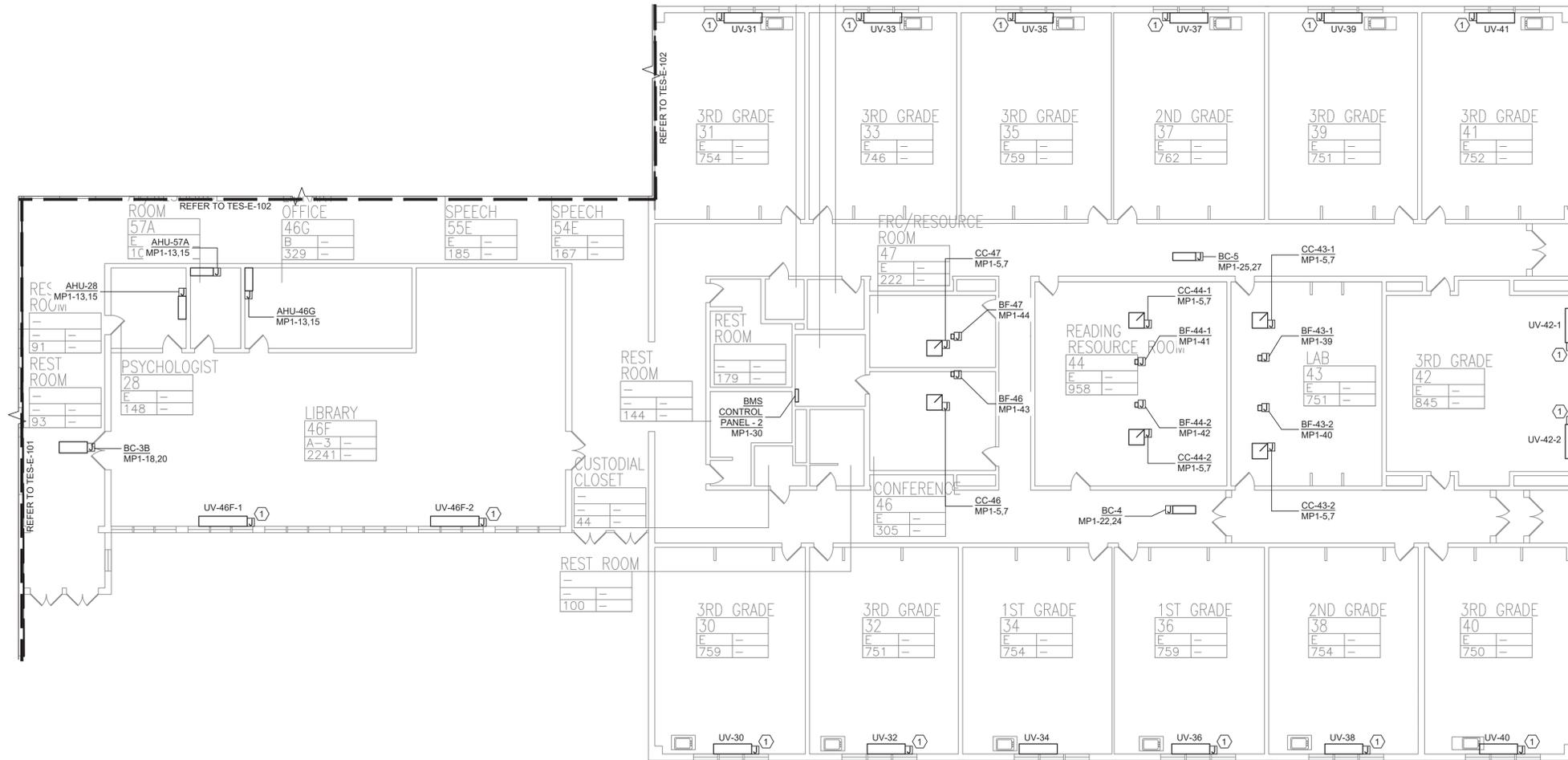
UNIVENT REPLACEMENT AT STONY POINT, THIELS, WEST HAVEN ELEMENTARY SCHOOL
 SED# 50-02-01-06-0-014-XXX
 SED# 50-02-01-06-0-025-XXX
 SED# 50-02-01-06-0-024-XXX
 BROOKLAND COUNTY
 THIBAUX, NY 12084



MICHAEL SHILALE ARCHITECTS, LLP
 140 Park Avenue New City, NY 10956 Tel 845-708-9200
 www.shilale.com

Drawing No. **TES-E-102**

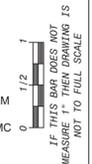
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1 FIRST FLOOR PARTIAL PLAN - ELECTRICAL - 3
SCALE: 3/32"=1'-0"

PLAN NOTES:

- REFER TO ADDITIONAL INSTALLATION NOTES ON DRAWING E-001.
- 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 TES-E-501 FOR ALL OTHER FEEDER AND BRANCH CIRCUIT SIZE INFORMATION.
- PROVIDE LABELS ON ALL ELECTRICAL EQUIPMENT INDICATING CIRCUIT ORIGINATION.
- UPDATE ALL EXISTING PANEL DIRECTORIES AFFECTED BY NEW WORK.
- CONTRACTOR SHALL PERFORM AMP PROBE READINGS ON EXISTING SERVICE EQUIPMENT BEFORE AND AFTER WORK TO ENSURE EQUIPMENT WILL NOT BE LOADED BEYOND ITS MAX AMPACITY.
- CONTRACTOR SHALL MAINTAIN CONTINUITY TO ALL EXISTING CIRCUITRY TO REMAIN WHICH ARE AFFECTED BY THE SCOPE OF WORK. CONTRACTOR SHALL FURNISH ALL NECESSARY JUNCTION BOXES, CONDUIT, AND WIRES AS REQUIRED TO KEEP CONTINUITY.
- REFER TO MECHANICAL PLANS FOR EQUIPMENT TO BE SUPPLIED BY OTHER TRADES AND INSTALLED/WIRED UNDER THIS SECTION. COORDINATE LOCATION OF DEVICES WITH OTHER CONTRACTORS.
- PROVIDE FIRESTOPPING FOR ALL PENETRATIONS TO MATCH EXISTING FIRE RATING WHERE APPLICABLE. ALL CORE DRILLS SHALL BE VERIFIED BY BUILDING REPRESENTATIVE PRIOR TO COMMENCING WORK. X-RAY ALL FLOOR SLABS PRIOR TO ROUGH-INS FOR CORE DRILL WORK.
- 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.
- 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.
- ALL GROUNDING SHALL BE PROVIDED BY THE CONTRACTOR AS PER NEC 2017.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO ENLARGE AND FUR OUT EXISTING OPENING FOR EXISTING PANELS AND WHERE REQUIRED. ACCOMMODATE THE NEW BACK BOXES AND HOUSING OF THE NEW RECESSED MOUNTED PANELS TO BE INSTALLED. THE ELECTRICAL CONTRACTOR SHALL ALSO ENGAGE THE GC TO RESTORE AND FINISH THE WALLS TO MATCH THE SURROUNDING WALLS OF THE AREA.



KEYED NOTES:

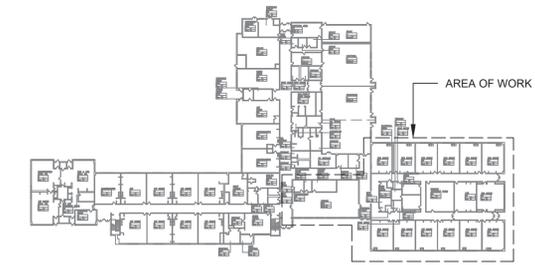
- ① RECONNECT EXISTING WIRING TO THE NEW UNIT VENTILATORS. EXTEND WIRING & CONDUIT IF NECESSARY.

No.	Date	Revisions
1	03-04-25	BIDDING DOCUMENTS

Drawn by	DK/KD
Checked by	SH
Project No.	43040
Scale	AS NOTED
Date	03-04-25

GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD SUFFERN, NY 10901 PROJ. NO. : MNY-000187-00	GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD SUFFERN, NY 10901
Mechanical Electrical Engineer:	Structural Engineer:

UNIVENT REPLACEMENT AT STONY POINT, THIELLS, WEST HAV ELEMENTARY SCHOOL
 SDD# 50-02-01-06-0-014-XXX
 SDD# 50-02-01-06-0-025-XXX
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 PROJECT NO. 10294

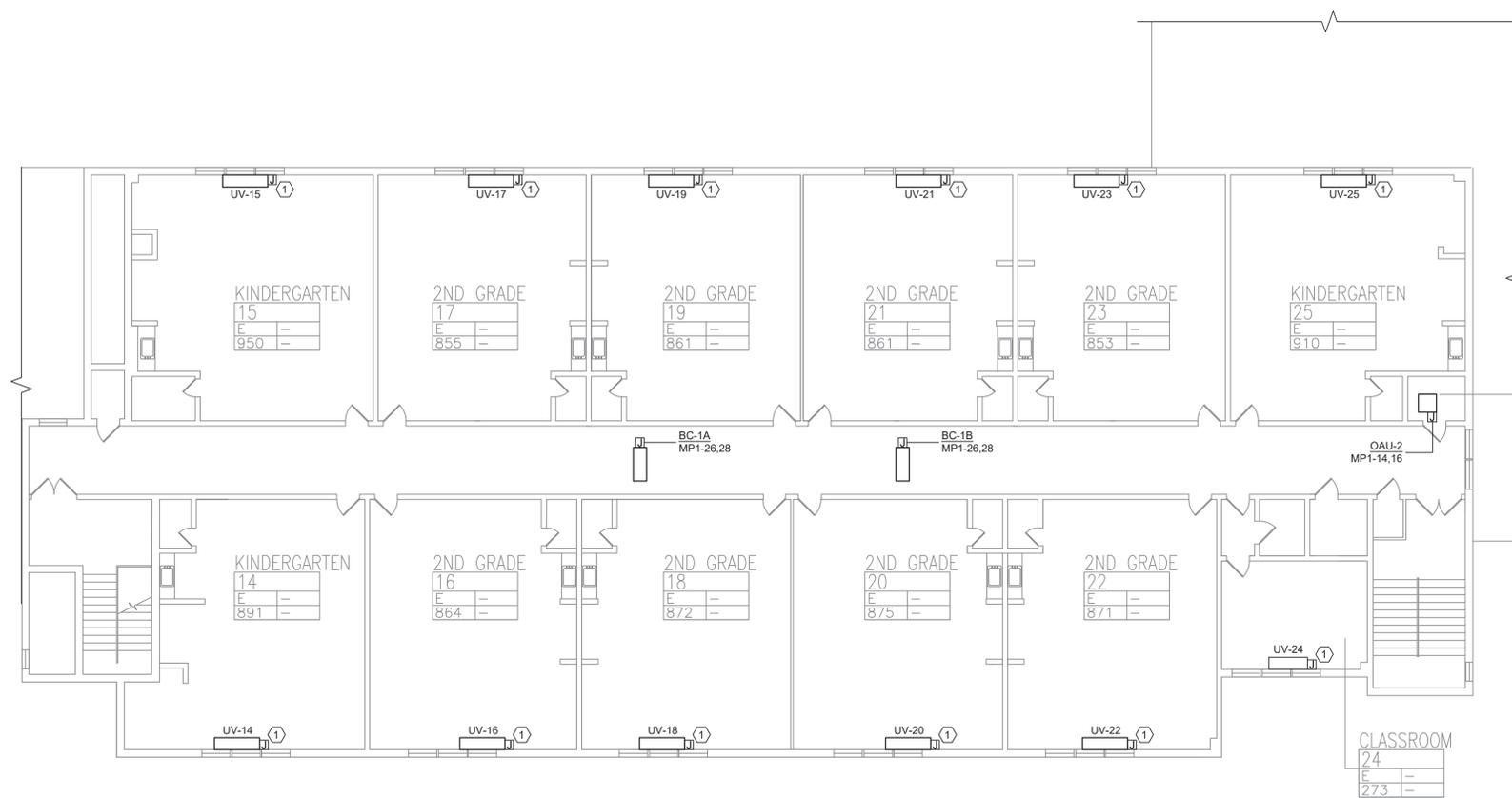


KEY PLAN



MSA
 MICHAEL SHILALE ARCHITECTS, LLP
 140 Park Avenue New City, NY 10956 Tel 845-708-9200
 www.shilale.com

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 Drawing Title
FIRST FLOOR PARTIAL PLAN - ELECTRICAL - 3
 Drawing No.
TES-E-103



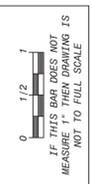
1 SECOND FLOOR PLAN - ELECTRICAL
SCALE: 3/32"=1'-0"

PLAN NOTES:

- REFER TO ADDITIONAL INSTALLATION NOTES ON DRAWING E-001.
- 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 TES-E-501 FOR ALL OTHER FEEDER AND BRANCH CIRCUIT SIZE INFORMATION.
- PROVIDE LABELS ON ALL ELECTRICAL EQUIPMENT INDICATING CIRCUIT ORIGINATION.
- UPDATE ALL EXISTING PANEL DIRECTORIES AFFECTED BY NEW WORK.
- CONTRACTOR SHALL PERFORM AMP PROBE READINGS ON EXISTING SERVICE EQUIPMENT BEFORE AND AFTER WORK TO ENSURE EQUIPMENT WILL NOT BE LOADED BEYOND ITS MAX AMPACITY.
- CONTRACTOR SHALL MAINTAIN CONTINUITY TO ALL EXISTING CIRCUITRY TO REMAIN WHICH ARE AFFECTED BY THE SCOPE OF WORK. CONTRACTOR SHALL FURNISH ALL NECESSARY JUNCTION BOXES, CONDUIT, AND WIRES AS REQUIRED TO KEEP CONTINUITY.
- REFER TO MECHANICAL PLANS FOR EQUIPMENT TO BE SUPPLIED BY OTHER TRADES AND INSTALLED/WIRED UNDER THIS SECTION. COORDINATE LOCATION OF DEVICES WITH OTHER CONTRACTORS.
- PROVIDE FIRESTOPPING FOR ALL PENETRATIONS TO MATCH EXISTING FIRE RATING WHERE APPLICABLE. ALL CORE DRILLS SHALL BE VERIFIED BY BUILDING REPRESENTATIVE PRIOR TO COMMENCING WORK. X-RAY ALL FLOOR SLABS PRIOR TO ROUGH-INS FOR CORE DRILL WORK.
- 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.
- 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.
- ALL GROUNDING SHALL BE PROVIDED BY THE CONTRACTOR AS PER NEC 2017.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO ENLARGE AND FUR OUT EXISTING OPENING FOR EXISTING PANELS AND WHERE REQUIRED. ACCOMMODATE THE NEW BACK BOXES AND HOUSING OF THE NEW RECESSED MOUNTED PANELS TO BE INSTALLED. THE ELECTRICAL CONTRACTOR SHALL ALSO ENGAGE THE GC TO RESTORE AND FINISH THE WALLS TO MATCH THE SURROUNDING WALLS OF THE AREA.

KEYED NOTES:

- RECONNECT EXISTING WIRING TO THE NEW UNIT VENTILATORS. EXTEND WIRING & CONDUIT IF NECESSARY.



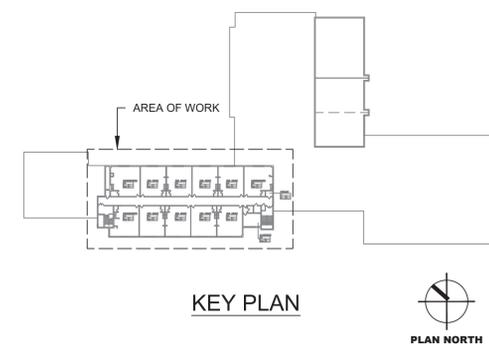
No.	Date	Revisions
1	03-04-25	BIDDING DOCUMENTS

Drawn by	DK/KD
Checked by	SH
Project No.	43040
Scale	AS NOTED
Date	03-04-25

GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD SYRACUSE, NY 13201 PROJ. NO. : 1001-000127-00	GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD SYRACUSE, NY 13201
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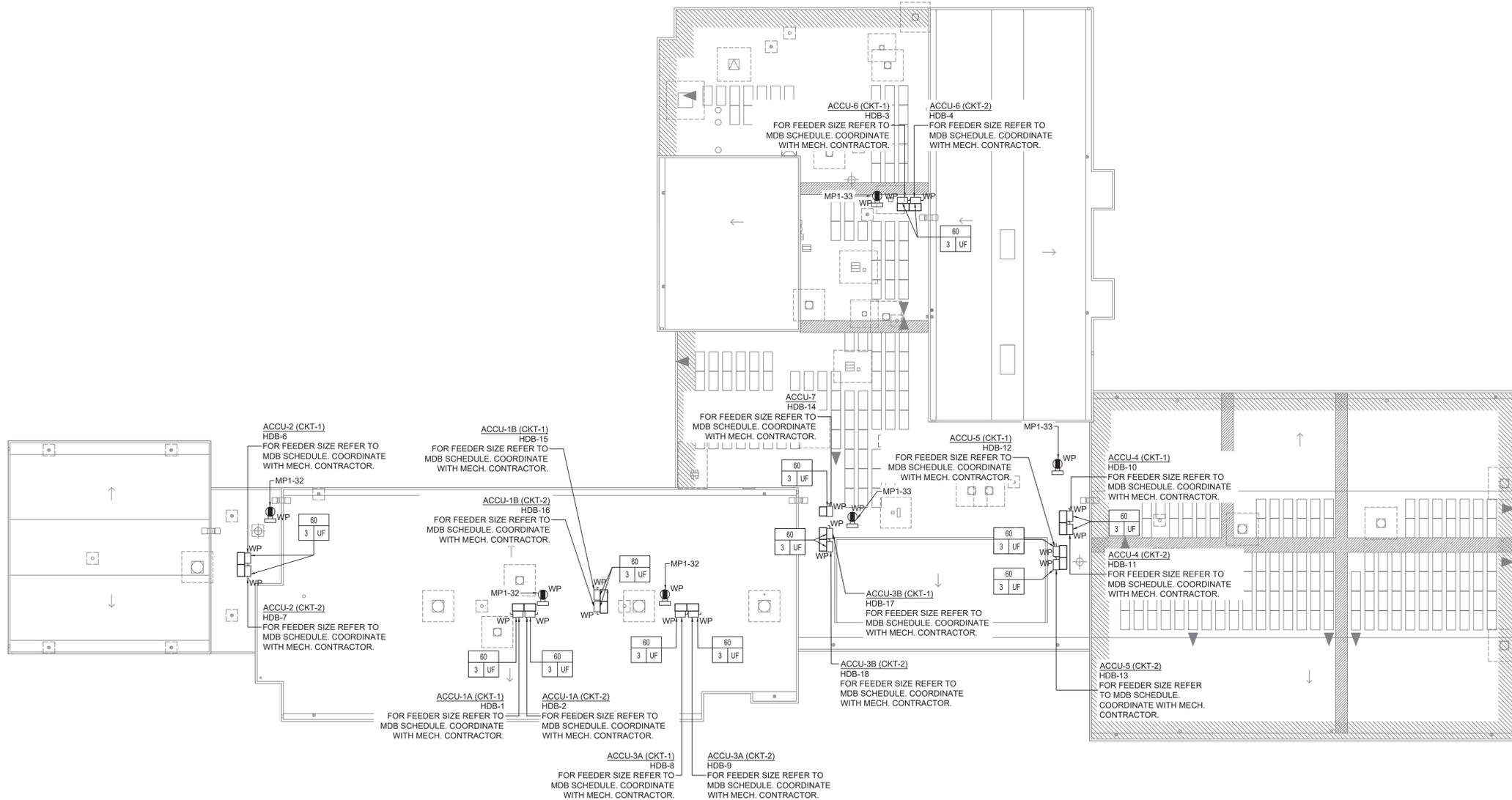
Mechanical Electrical Engineer:	Structural Engineer:
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UNIVENT REPLACEMENT AT STONY POINT, THIELLS, WEST HAVEN ELEMENTARY SCHOOL
 SDD# 50-02-01-06-0-014-XXX
 SDD# 50-02-01-06-0-025-XXX
 SDD# 50-02-01-06-0-024-XXX
 BROOKLAND COUNTY
 THIBAUZ, NY 12084



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 Drawing Title
SECOND FLOOR PLAN - ELECTRICAL

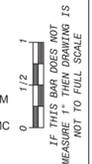
Drawing No.
TES-E-104



1 ROOF PLAN - ELECTRICAL
SCALE: 3/64"=1'-0"

PLAN NOTES:

- REFER TO ADDITIONAL INSTALLATION NOTES ON DRAWING E-001.
- 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 TES-E-501 FOR ALL OTHER FEEDER AND BRANCH CIRCUIT SIZE INFORMATION.
- PROVIDE LABELS ON ALL ELECTRICAL EQUIPMENT INDICATING CIRCUIT ORIGINATION.
- UPDATE ALL EXISTING PANEL DIRECTORIES AFFECTED BY NEW WORK.
- CONTRACTOR SHALL PERFORM AMP PROBE READINGS ON EXISTING SERVICE EQUIPMENT BEFORE AND AFTER WORK TO ENSURE EQUIPMENT WILL NOT BE LOADED BEYOND ITS MAX AMPACITY.
- CONTRACTOR SHALL MAINTAIN CONTINUITY TO ALL EXISTING CIRCUITRY TO REMAIN WHICH ARE AFFECTED BY THE SCOPE OF WORK. CONTRACTOR SHALL FURNISH ALL NECESSARY JUNCTION BOXES, CONDUIT, AND WIRES AS REQUIRED TO KEEP CONTINUITY.
- REFER TO MECHANICAL PLANS FOR EQUIPMENT TO BE SUPPLIED BY OTHER TRADES AND INSTALLED/WIRED UNDER THIS SECTION. COORDINATE LOCATION OF DEVICES WITH OTHER CONTRACTORS.
- PROVIDE FIRESTOPPING FOR ALL PENETRATIONS TO MATCH EXISTING FIRE RATING WHERE APPLICABLE. ALL CORE DRILLS SHALL BE VERIFIED BY BUILDING REPRESENTATIVE PRIOR TO COMMENCING WORK. X-RAY ALL FLOOR SLABS PRIOR TO ROUGH-INS FOR CORE DRILL WORK.
- 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.
- 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.
- ALL GROUNDING SHALL BE PROVIDED BY THE CONTRACTOR AS PER NEC 2017.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO ENLARGE AND FUR OUT EXISTING OPENING FOR EXISTING PANELS AND WHERE REQUIRED, ACCOMMODATE THE NEW BACK BOXES AND HOUSING OF THE NEW RECESSED MOUNTED PANELS TO BE INSTALLED. THE ELECTRICAL CONTRACTOR SHALL ALSO ENGAGE THE GC TO RESTORE AND FINISH THE WALLS TO MATCH THE SURROUNDING WALLS OF THE AREA.



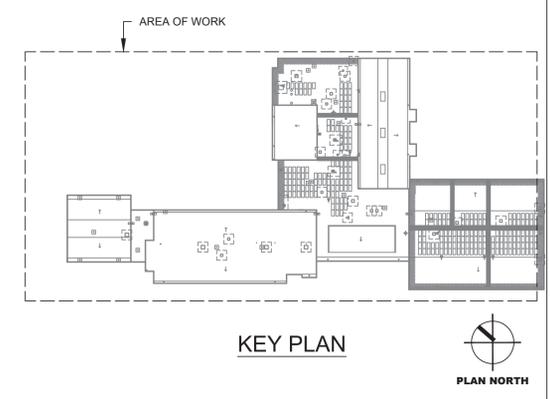
No.	Date	Revisions
1	03-04-25	BIDDING DOCUMENTS

Drawn by DK/KD
Checked by SH
Project No. 43040
Scale AS NOTED
Date 03-04-25

GREENMAN PEDERSEN, INC
MECHANICAL ELECTRICAL ENGINEER
PROJ. NO. 1: NY-00015700

GREENMAN PEDERSEN, INC
STRUCTURAL ENGINEER
PROJ. NO. 1: NY-00015700

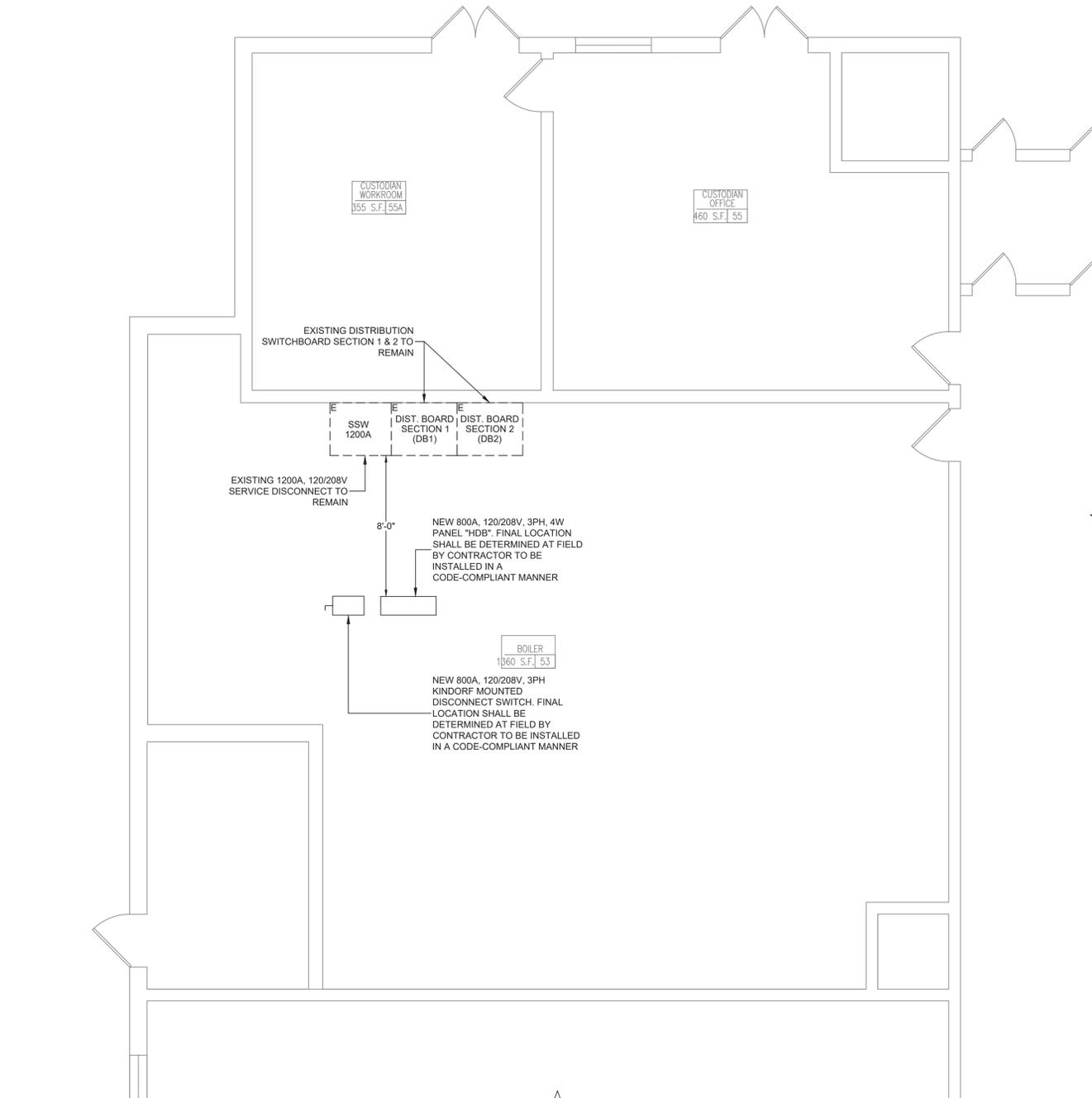
UNIVENT REPLACEMENT AT STONY POINT, HAV THEILLS, WEST HAV ELEMENTARY SCHOOL
SSD# 50-02-01-06-0-014-XXX
SSD# 50-02-01-06-0-025-XXX
SSD# 50-02-01-06-0-024-XXX
NEW YORK, NY 10984



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Drawing Title
ROOF PLAN - ELECTRICAL
Drawing No.
TES-E-105

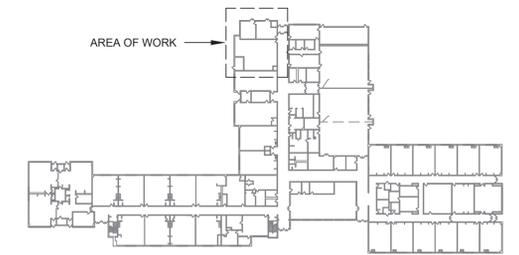
0 1/2 1
 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE



1 BOILER ROOM PART PLAN - ELECTRICAL
 SCALE: 1/4"=1'-0"

PLAN NOTES:

1. THE CONTRACTOR IS TO COORDINATE ALL SHUTDOWNS AND DISRUPTIONS TO NORMAL SERVICES WITH SBU, ALL OTHER TRADES AND THE FACILITY.
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.



No.	Date	Revisions
1	03-04-25	BIDDING DOCUMENTS



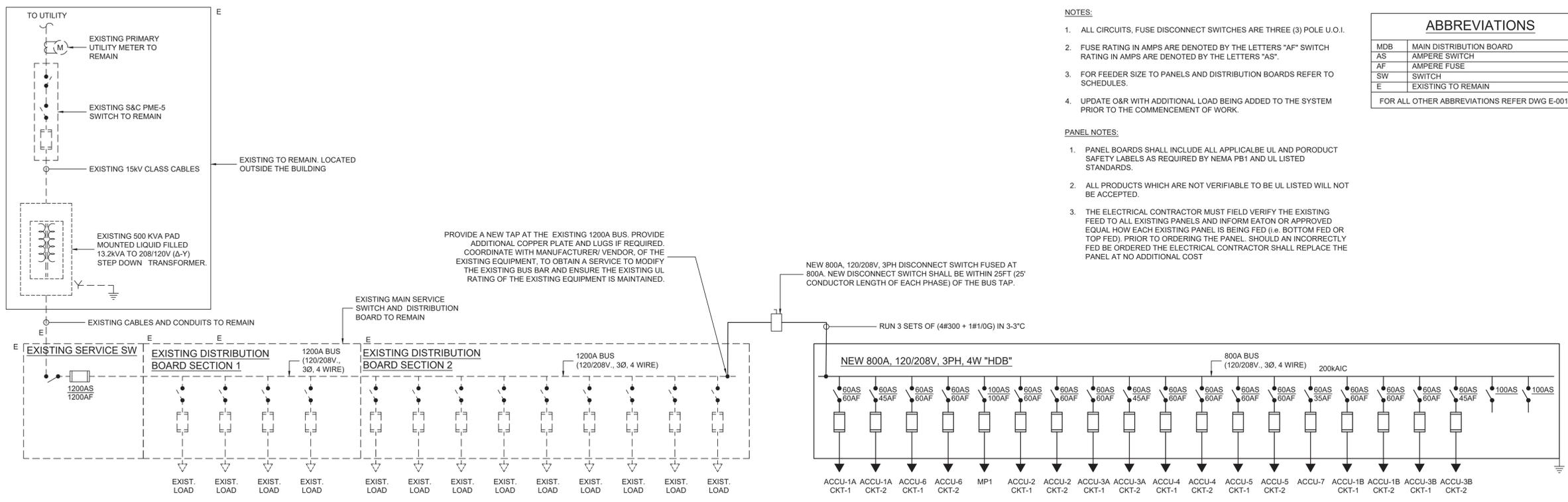
Drawn by	DK/KD
Checked by	SH
Project No.	43040
Scale	AS NOTED
Date	03-04-25

Mechanical Electrical Engineer:	GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD SUFFERN, NY 10901 PROJ. NO. : MNY-200126.00
Structural Engineer:	GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD SUFFERN, NY 10901

UNIVENT REPLACEMENT AT STONY POINT, THIELLS, WEST HAV ELEMENTARY SCHOOL
 SSD# 50-02-01-06-0-014-XXX
 SSD# 50-02-01-06-0-025-XXX
 SSD# 50-02-01-06-0-024-XXX
 BROOKLAND COUNTY
 FREDERICK, NY 13094

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 Drawing Title
BOILER ROOM PART PLAN - ELECTRICAL
 Drawing No.
TES-E-401

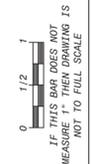


- NOTES:**
- ALL CIRCUITS, FUSE DISCONNECT SWITCHES ARE THREE (3) POLE U.O.I.
 - FUSE RATING IN AMPS ARE DENOTED BY THE LETTERS "AF" SWITCH RATING IN AMPS ARE DENOTED BY THE LETTERS "AS".
 - FOR FEEDER SIZE TO PANELS AND DISTRIBUTION BOARDS REFER TO SCHEDULES.
 - UPDATE O&R WITH ADDITIONAL LOAD BEING ADDED TO THE SYSTEM PRIOR TO THE COMMENCEMENT OF WORK.
- PANEL NOTES:**
- PANEL BOARDS SHALL INCLUDE ALL APPLICABLE UL AND PRODUCT SAFETY LABELS AS REQUIRED BY NEMA PB1 AND UL LISTED STANDARDS.
 - ALL PRODUCTS WHICH ARE NOT VERIFIABLE TO BE UL LISTED WILL NOT BE ACCEPTED.
 - 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

ABBREVIATIONS

MDB	MAIN DISTRIBUTION BOARD
AS	AMPERE SWITCH
AF	AMPERE FUSE
SW	SWITCH
E	EXISTING TO REMAIN

FOR ALL OTHER ABBREVIATIONS REFER DWG E-001



No.	Date	Revisions
1	03-04-28	BIDDING DOCUMENTS

1 ELECTRICAL ONE LINE DIAGRAM
SCALE: N.T.S.

DIST. BOARD: HDB VOLT: 120/208V, 3Ø, 4W. LOC. BOILER ROOM
MOUNTING: FLOOR AMP RATING 800A MAIN: 800A
DESIGN AMP: 708 AIC RATING 200KAIC TYPE: NEW

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	ACCU-1A CKT-2	3	60	45	31	3#2+1#6 IN 1 1/2"C
3	ACCU-6 CKT-1	3	60	60	49	3#4+1#8G IN 1 1/4"C
4	ACCU-6 CKT-2	3	60	60	41	3#4+1#8G IN 1 1/4"C
5	MP1	3	100	100	53	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	ACCU-2 CKT-2	3	60	60	41	3#2/0+1#6G IN 2"C
8	ACCU-3A CKT-1	3	60	60	41	3#1+1#6G IN 1 1/2"C
9	ACCU-3A CKT-2	3	60	45	31	3#1+1#6G IN 1 1/2"C
10	ACCU-4 CKT-1	3	60	60	41	3#1+1#6G IN 1 1/2"C
11	ACCU-4 CKT-2	3	60	60	41	3#1+1#6G IN 1 1/2"C
12	ACCU-5 CKT-1	3	60	60	41	3#1+1#6G IN 1 1/2"C
13	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	ACCU-1B CKT-2	3	60	45	31	3#1/0+1#6G IN 2"C
17	ACCU-3B CKT-1	3	60	60	41	3#2+1#8G IN 1 1/2"C
18	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			

PANEL SCHEDULE

PANEL NAME:	MP1	LOCATION:	CLOSET	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	FEEDING SOURCE:	HDB		
MAIN BREAKER TYPE:	MLO	MAIN BREAKER RATING (A):	100A	BRANCH C.B TYPE:	MCB		
Load Designation	Wiring	Phase Load in VA				Wiring	Load Designation
		C/B (A)	CT NO	AØ	CØ	CT NO	C/B (A)
CC-2A	2#12+1#12G-3/4"C	20	1	50		2	20
				200			
				50			
				200			
CC-43-1,43-2,44-1,44-2,46,47	2#12+1#12G-3/4"C	20	7	300		8	20
				310			
AHU-54,53C-62,52-ST	2#12+1#12G-3/4"C	20	9	310		10	20
				310			
				700			
				700			
AHU-28,57A,46G	2#12+1#12G-3/4"C	20	13	310		14	20
				400			
				310			
				400			
BC-2	2#12+1#12G-3/4"C	20	17	200		18	20
				400			
BC-6A,6B	2#12+1#12G-3/4"C	20	19	200		20	20
				400			
				200			
				200			
BC-5	2#12+1#12G-3/4"C	20	21	400		22	20
				200			
				400			
				200			
				200			
BMS CONTROL PANEL 1	2#12+1#12G-3/4"C	20	25	200		26	20
				400			
BMS CONTROL PANEL 3	2#12+1#12G-3/4"C	20	27	400		28	20
				200			
				400			
ROOF RECEPTACLES	2#12+1#12G-3/4"C	20	29	250		30	20
				540			
BF-61A	2#10+1#12G-3/4"C	20	31	250		32	20
				540			
BF-2A	2#10+1#12G-3/4"C	20	33	1080		34	20
				1080			
BF-43-1	2#10+1#12G-3/4"C	20	35	1080		36	20
				1080			
BF-4A	2#10+1#12G-3/4"C	20	37	1080		38	20
				1080			
BF-46	2#10+1#12G-3/4"C	20	39	1650		40	20
				1650			
BF-44-1	2#10+1#12G-3/4"C	20	41	1080		42	20
				1080			
SPARE		20	43	1080		44	20
				1080			
SPARE		20	45			46	20
SPARE		20	47			48	20
SPARE		20	49			50	20
SPARE		20	51			52	20
SPARE		20	53			54	20
CONNECTED LOAD PER PHASE IN VA		7880	8090	7640	PANEL TYPE: NEMA 1		
TOTAL CONNECTED LOAD IN KVA		23.61			COPPER BUS, EQUIP. GROUND BAR		
TOTAL LOAD IN AMPS		65.54			DOOR: INDOOR TYPE		
				MOUNTING: SURFACE			

2 ELECTRICAL PANEL SCHEDULES
SCALE: N.T.S.

Drawn by: DK/KD
Checked by: SH
Project No.: 43040
Scale: AS NOTED
Date: 03-04-25

GREENMAN PEDERSEN, INC
MECHANICAL ELECTRICAL ENGINEER
PROJ. NO.: 1001-000128-00

GREENMAN PEDERSEN, INC
STRUCTURAL ENGINEER
PROJ. NO.: 1001-000128-00

UNIVENT REPLACEMENT AT STONY POINT, THIELS, WEST HAV, ELEMENTARY SCHOOL
SSD# 50-02-01-06-0-014-XXX
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