




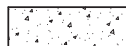





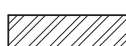


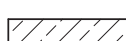

# UNIVENT REPLACEMENT AT HAVERSTRAW ELEMENTARY

**HAVERSTRAW ELEMENTARY SCHOOL**  
**16 Grant Street**  
**Haverstraw, NY 10927**  
**SED# 50-02-01-06-0-009-018**

**OWNER:**  
**NORTH ROCKLAND**  
**CENTRAL SCHOOL DISTRICT**  
**65 Chapel Street**  
**Garnerville, NY 10923**

**ARCHITECT:**  
**MICHAEL SHILALE ARCHITECTS, LLP**  
**140 Park Avenue**  
**New City, NY 10956**

**PME ENGINEER:  
GREENMAN-PEDERSON, INC.  
400 Rella Boulevard, Suite 207  
Montabello, NY 10901**

	CONCRETE MASONRY UNIT
	BRICK
	RIGID INSULATION
	CONCRETE
	GRAVEL OR STONE
	EARTH
	EIFS
	ASPHALT PAVING
	SAND/MORTAR/GYPSUM BOARD
	STEEL
	ACT
	ROUGH WOOD
	BRONZE
	

Legend for architectural symbols and room numbering:

- DOOR NUMBER
- KEY NOTE
- PARTITION TYPE
- REVISION NUMBER
- WINDOW TYPE
- MECHANICAL EQUIPMENT
- EXISTING PARTITION
- EXISTING PARTITION TO BE REMOVED
- NEW PARTITION (SEE PARTITION LEGEND A-101)
- NEW DOOR
- EXISTING DOOR
- EXISTING DOOR TO BE REMOVED
- EXISTING WINDOW
- NEW WINDOW
- ROOM NAME
  - ROOM NAME/NUMBER IDENTIFICATION
  - ROOM NUMBER
  - DRAWING AREA
- DRAWING NUMBER
  - WALL SECTION/ELEVATION REFERENCE
  - SHEET NUMBER
- DETAIL NUMBER
  - DETAIL REFERENCE
  - SHEET NUMBER
- COLUMN LINE DESIGNATION

## SYMBOLS LEGEND

1. ALL PLAN DIMENSIONS ARE NOMINAL U.O.N. DIMENSIONS. TO THE FINISHED FACE OF AN ELEMENT OR WALL WILL BE DESIGNATED WITH AN "F" AS SHOWN.

2. G.C. TO VERIFY ALL DIMENSIONS IN THE FIELD AND IS TO NOTIFY ARCHITECT IF THERE ARE ANY DISCREPANCIES.

## GENERAL NOTES

NO ALTERNATES AT THIS TIME.

## ALTERNATES

DRAWING No.	TITLE	DATE
A-000	COVER SHEET	01-14-22
B-100	CODE ANALYSIS	12-17-21
S-101	ROOF PLAN & GENERAL NOTES	12-17-21
S-102	ROOF PARTIAL PLANS	12-17-21
S-103	SECTIONS & TYPICAL DETAILS	12-17-21
S-104	SECTIONS & TYPICAL DETAILS S-2	12-17-21
D-101	FIRST FLOOR DEMO PLAN	12-17-21
D-102	SECOND FLOOR DEMO PLAN	12-17-21
D-103	THIRD FLOOR DEMO PLAN	12-17-21
D-104	ROOF DEMO PLAN	12-17-21
A-101	PROPOSED FIRST FLOOR PLAN	01-14-22
A-102	PROPOSED SECOND FLOOR PLAN	01-14-22
A-103	PROPOSED THIRD FLOOR PLAN	01-14-22
A-104	PROPOSED ROOF PLAN	12-17-21
A-400	REFLECTED CEILING PLAN	12-17-21
A-500	DETAILS	12-17-21
A-501	UNIT ELEVATIONS	12-17-21
A-501.1	UNIT ELEVATIONS	12-17-21
A-502	DETAILS	12-17-21
A-503	DETAILS	12-17-21
M-001	MECHANICAL NOTES	12-17-21
M-002	MECHANICAL SCHEDULES	12-17-21
M-003	MECHANICAL SCHEDULES 2	12-17-21
M-004	CONTROLS	12-17-21
M-005	VENTILATION SCHEDULE	12-17-21
M-006	UV SCHEDULE	12-17-21
M-061	HVAC DEMO FIRST FLOOR PLAN	12-17-21
M-062	HVAC DEMO SECOND FLOOR PLAN	12-17-21
M-063	HVAC DEMO THIRD FLOOR PLAN	12-17-21
M-101	FIRST FLOOR PLAN MECHANICAL	12-17-21
M-102	SECOND FLOOR PLAN MECHANICAL	12-17-21
M-103	THIRD FLOOR PLAN MECHANICAL	12-17-21
M-104	ROOF PLAN MECHANICAL	12-17-21
M-301	HVAC PIPING - 1ST FLOOR PLAN	12-17-21
M-302	HVAC PIPING - 2ND FLOOR PLAN	12-17-21
M-303	HVAC PIPING - 3RD FLOOR PLAN	12-17-21
M-401	VRF PIPING RISERS	12-17-21
M-501	MECHANICAL DETAILS	12-17-21
M-502	MECHANICAL DETAILS 2	12-17-21
FA-001	FIRE ALARM SYSTEM COVER SHEET	12-17-21
FA-101	THIRD FLOOR PLAN FIRE ALARM	12-17-21
FA-102	ROOF PLAN FIRE ALARM	12-17-21
E-001	ELECTRICAL COVER SHEET	12-17-21
E-060	BASEMENT DEMO PLAN ELECTRICAL	12-17-21
E-061	FIRST FLOOR ELECTRICAL DEMO PLAN	12-17-21
E-062	SECOND FLOOR ELECTRICAL DEMO PLAN	12-17-21
E-063	THIRD FLOOR ELECTRICAL DEMO PLAN	12-17-21
E-100	BASEMENT PLAN ELECTRICAL	12-17-21
E-101	FIRST FLOOR PLAN ELECTRICAL	12-17-21
E-102	SECOND FLOOR PLAN ELECTRICAL	12-17-21
E-103	THIRD FLOOR PLAN ELECTRICAL	12-17-21
E-104	ROOF PLAN ELECTRICAL	12-17-21
E-201	ELECTRICAL SCHEDULES & RISER	12-17-21
E-301	ELECTRICAL DETAILS	12-17-21

DATE

0 1/2 1 2 3 4 5  
FEET

DOES NOT  
NEED TO BE  
TO FULL SCALE

# LIST OF DRAWINGS

ACT	ACoustical CEILING TILE	ALLOWANCE NO. 1:	PROVIDE ALLOWANCE TO CLEAN EXISTING MAIN DUCTWORK FOR 20 LINEAR FEET PER UNIT.
A.F.F.	ABOVE FINISH FLOOR	ALLOWANCE NO. 2:	PROVIDE ALLOWANCE TO REPLACE EXISTING SUPPLY AND RETURN PIPING AND INSULATION FOR 20 LINEAR FEET PER UNIT.
ASPH	ASPHALT	ALLOWANCE NO. 3:	PROVIDE A PROPOSAL FROM A THIRD PARTY HVAC COMMISSIONING AGENT CONTRACTOR IS TO INCLUDE THIS AMOUNT IN THEIR BASE BID. CONTRACTOR WILL ISSUE A CREDIT CHANGE ORDER TO THE OWNER FOR THE COMMISSIONING PROPOSAL AMOUNT. OWNER WILL CONTRACT DIRECTLY WITH THE COMMISSIONING AGENT.
BLK	BLOCK	ALLOWANCE NO. 4:	PROVIDE ALLOWANCE FOR THE RELOCATION OF 40 ELECTRICAL DEVICES THAT REQUIRE RELOCATION DUE TO THE INCREASED SIZE OF THE NEW UNIT VENTILATORS.
BLK'G	BLOCKING	ALLOWANCE NO. 5:	CONTRACTOR TO INCLUDE ALLOWANCE FOR LF OF LINE SET ENCLOSURE NOTED ON DRAWINGS.
BUR	BUILT UP ROOFING	ALLOWANCE NO. 6:	CONTRACTOR SHALL INCLUDE IN THEIR BID AN ALLOWANCE FOR 10' OF PIPING/ INSULATION FOR EACH UV AND 20' AT EACH RTU. SEE DRAWINGS 3/M-501 AND 4/M-501.
CLG	CEILING	ALLOWANCE NO. 7:	CONTRACTOR TO INCLUDE ALLOWANCE FOR LF OF WIRE MOLD NOTED ON DRAWINGS.
CONC	CONCRETE		
CONT	CONTINUOUS		
C.J.	CONTROL JOINT		
DN	DOWN		
DIA	DIAMETER		
DWG	DRAWING		
E.F.	EACH FACE		
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM		
E.W.	EACH WAY		
E.W.C.	ELECTRICAL WATER COOLER		
ELC	ELEVATION		
EXIST	ELECTRICAL CONTRACTOR		
EXP	EXISTING		
EXT'G	EXPANSION		
EXTR	EXISTING		
FF	EXTERIOR		
FIN.	FIREPROOF FINISH(ED)		
GA	GAUGE		
GC	GENERAL CONTRACTOR		
GALV	GALVANIZED		
GL	GLASS		
OWB	GYPSPUM WALL BOARD		
HM	HOLLOW METAL		
H.P.	HIGH POINT		
HAC	HEATING & A/C CONTRACTOR		
ITR	INDIVIDUAL TREATMENT ROOM		
JT	JOINT		
LAM	LAMINATE		
LAV	LAVATORY		
LP	LOW POINT		
MAX	MAXIMUM		
MFR	MANUFACTURER		
MTL	METAL		
MIN	MINIMUM		
MO	MASONRY OPENING		
N.I.C.	NOT IN CONTRACT		
NO.	NUMBER		
ON	ON CENTER		
OPN'G	OPENING		
PBC	PLUMBING CONTRACTOR		
PLAS.LAM.	PLASTIC LAMINATE		
PL	PLATE		
PLY'D	PLYWOOD		
RAD	RADIUS		
REF.CLG.	REFLECTED CEILING		
REQ'D	REQUIRED		
RO	ROUGH OPENING		
RO	ROUGH OPENING		
SIM	SIMILAR		
STL	STEEL		
SUSP.CLG.	SUSPENDED CEILING		
T.O.M.	TOP OF MASONRY		
T.O.S.	TOP OF STEEL		
TYP	TYPICAL		
U.O.N.	UNLESS OTHERWISE NOTED		
V.I.F.	VERTICAL FIELD		
VCT	VINYL COMPOSITE TILE		
W/	WITH		
WD	WOOD		

[illegible]

Drawn by	MAL
Checked by	MS/JC
Project No.	41048
Scale	AS NOTED
Date	08-30-21

Mechanical & Electrical Engineer:	<b>GREENMAN PEDERSEN, INC</b> 400 BELLA BOULEVARD MONTEBELLO, NY 10901
Structural Engineer:	— — — —

UNIVENT REPLACEMENT  
AT  
HAVERSTRAW  
ELEMENTARY  
SED# 50-02-01-06-0-009-018  
16 Court Street  
Haverstraw, NY 10827  
COUNTY OF ROCKLAND



**MICHAEL SHILALE ARCHITECTS, L.L.P.**

140 Park Avenue New City, NY 10956 Tel 914-708-9200  
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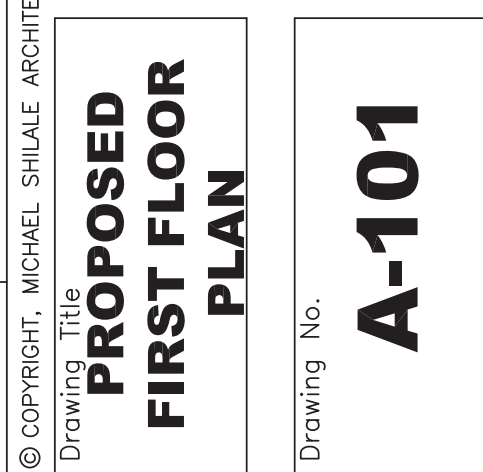
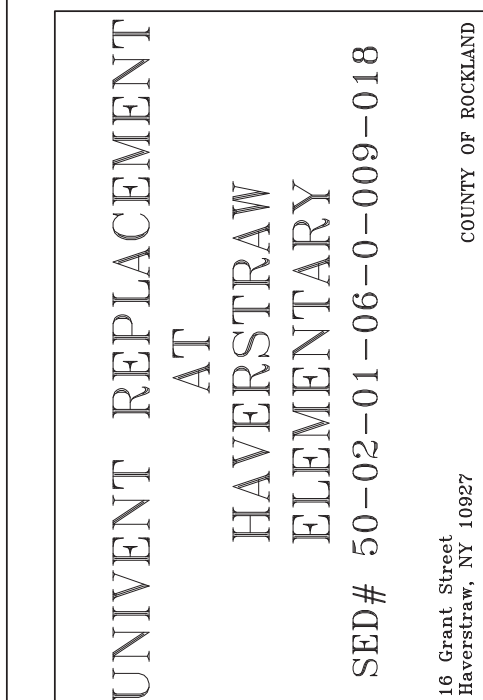
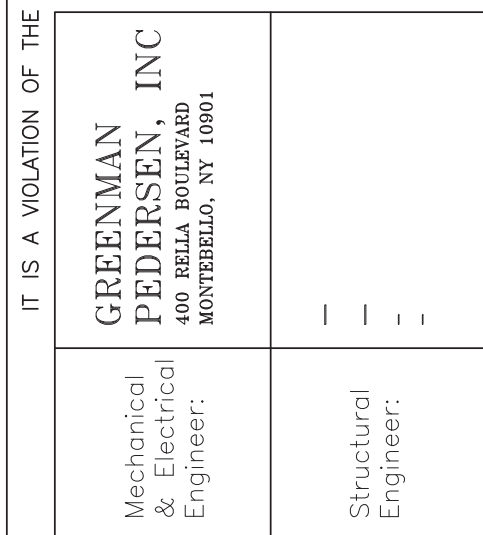
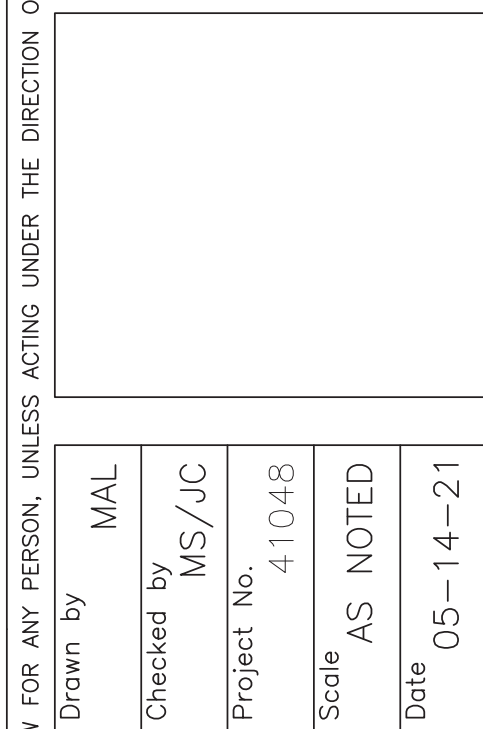
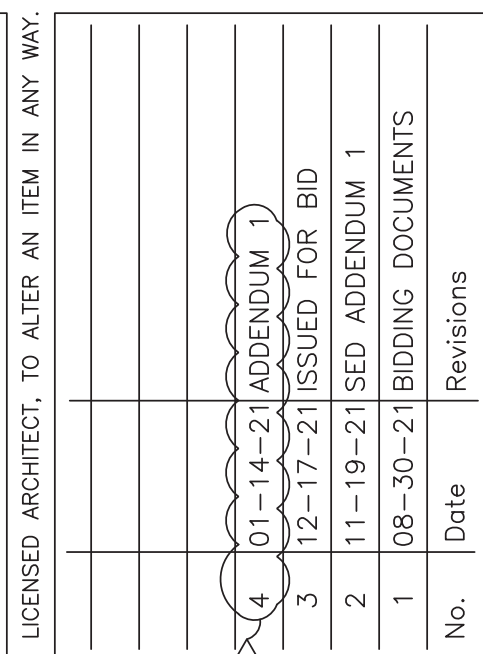
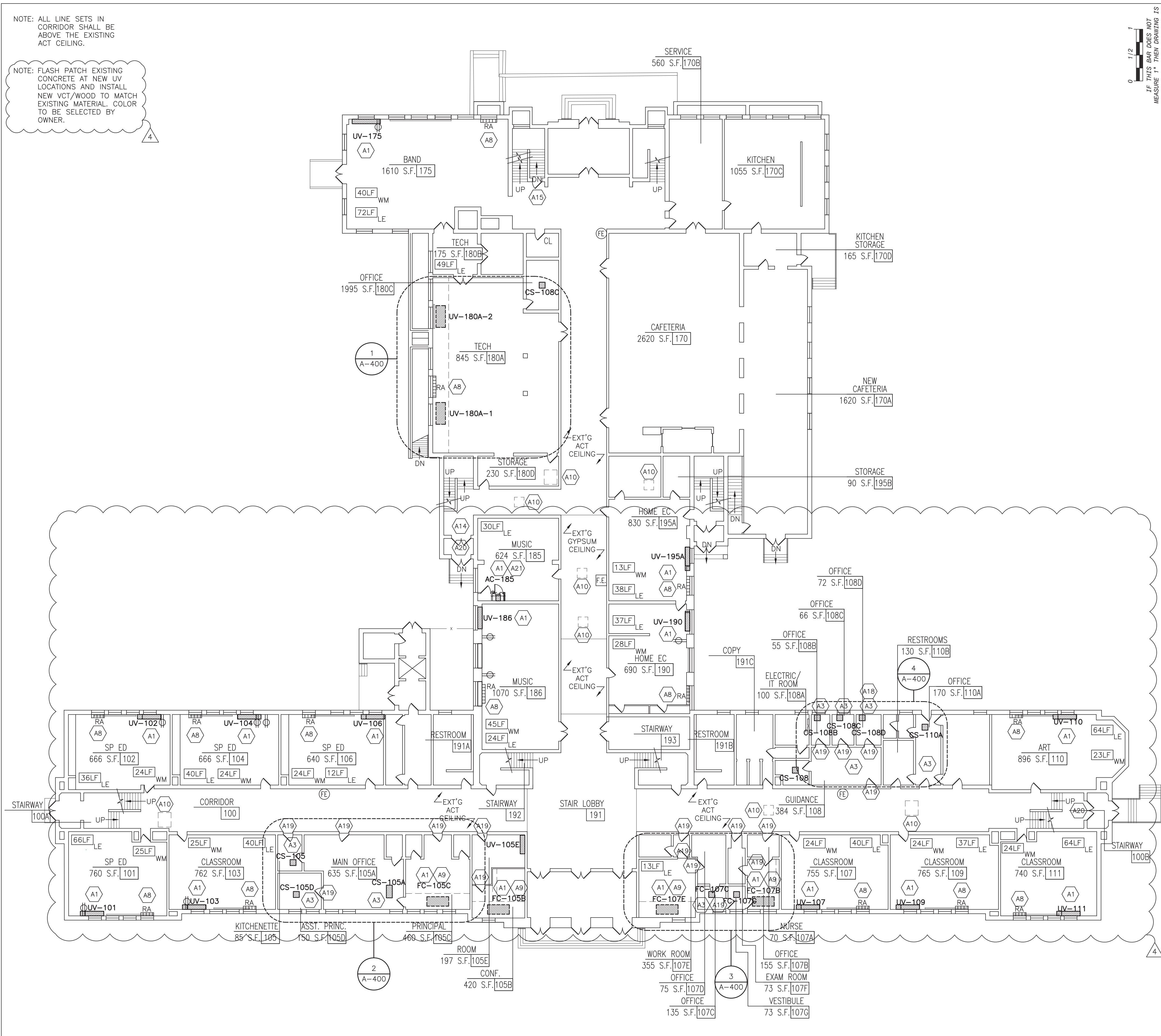
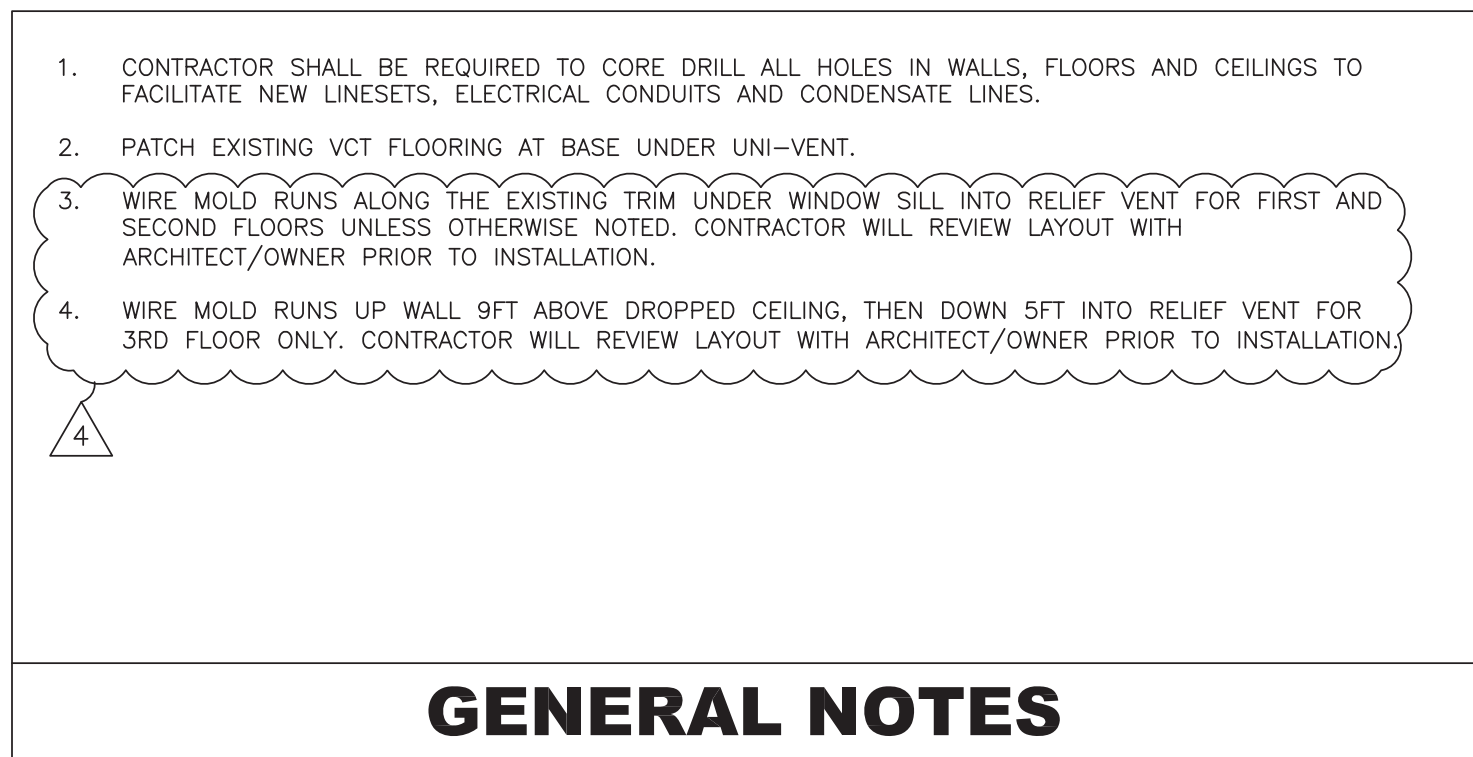
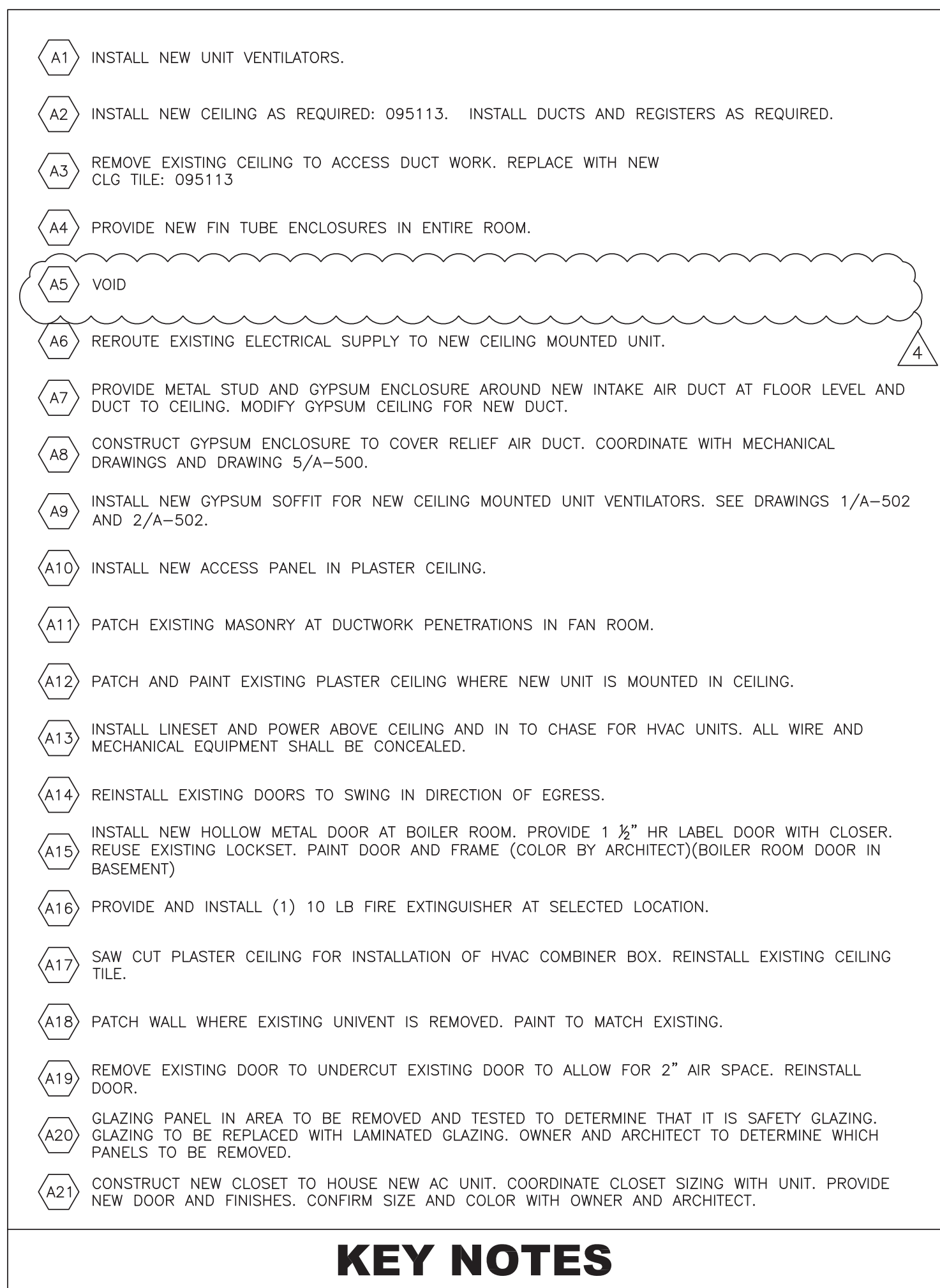
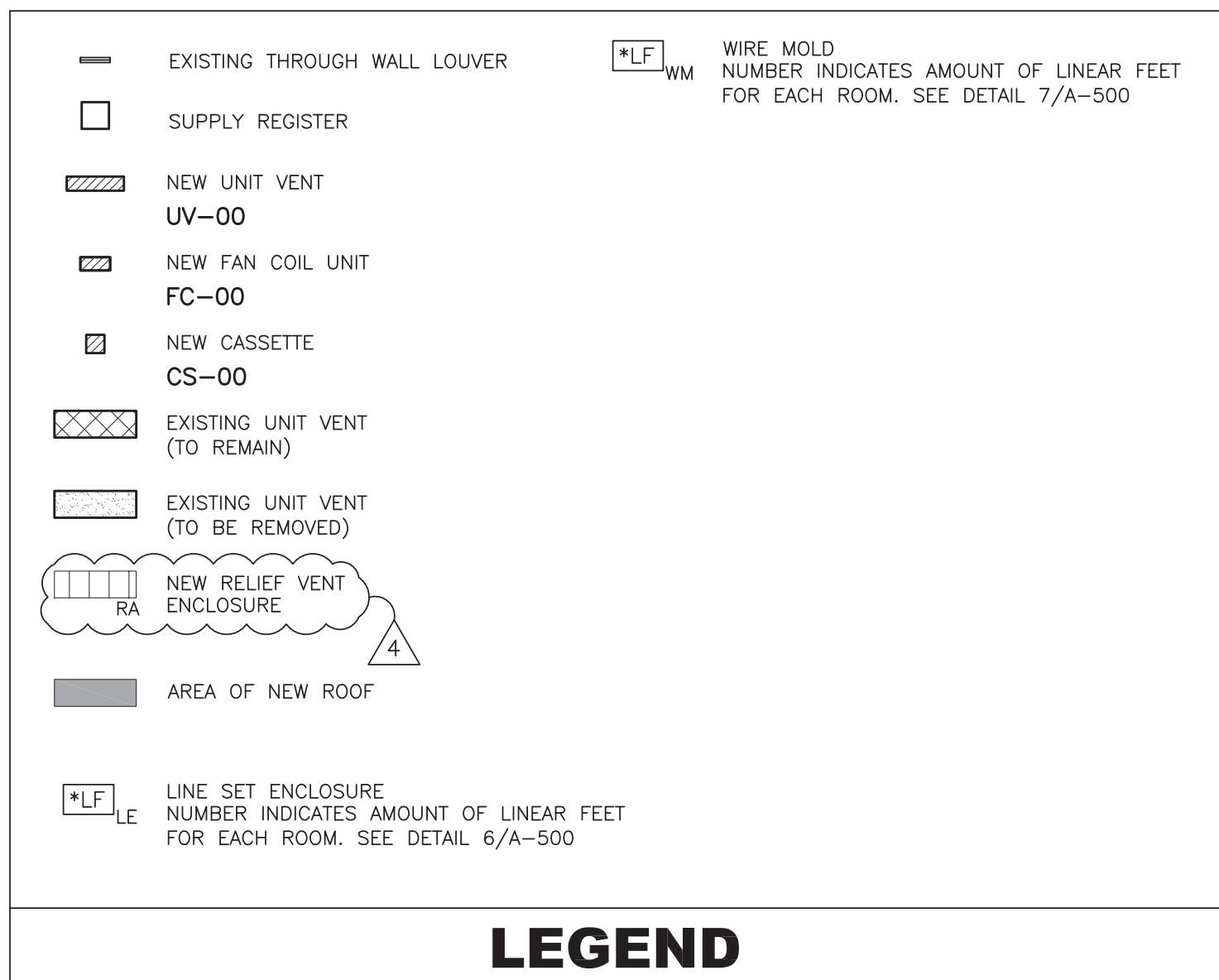
Drawing Title  
**COVER SHEET**

Drawing No.  
**A-000**

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EXISTING THROUGH WALL LOUVER

SUPPLY REGISTER

NEW UNIT VENT

UV-00

NEW FAN COIL UNIT

FC-00

NEW CASSETTE

CS-00

EXISTING UNIT VENT (TO REMAIN)

EXISTING UNIT VENT (TO BE REMOVED)

NEW RELIEF VENT ENCLOSURE

RA

AREA OF NEW ROOF

\*LF

WM

WIRE MOLD NUMBER INDICATES AMOUNT OF LINEAR FEET FOR EACH ROOM. SEE DETAIL 7/A-500

\*LF

LE

LINE SET ENCLOSURE NUMBER INDICATES AMOUNT OF LINEAR FEET FOR EACH ROOM. SEE DETAIL 6/A-500

LEGEND

A1

INSTALL NEW UNIT VENTILATORS.

A2

INSTALL NEW CEILING AS REQUIRED: 095113. INSTALL DUCTS AND REGISTERS AS REQUIRED.

A3

REMOVE EXISTING CEILING TO ACCESS DUCT WORK. REPLACE WITH NEW CLG TILE: 095113

A4

PROVIDE NEW FIN TUBE ENCLOSURES IN ENTIRE ROOM.

A5

VOID

A6

REROUTE EXISTING ELECTRICAL SUPPLY TO NEW CEILING MOUNTED UNIT.

A7

PROVIDE METAL STUD AND GYPSUM ENCLOSURE AROUND NEW INTAKE AIR DUCT AT FLOOR LEVEL AND DUCT TO CEILING. MODIFY GYPSUM CEILING FOR NEW DUCT.

A8

CONSTRUCT GYPSUM ENCLOSURE TO COVER RELIEF AIR DUCT. COORDINATE WITH MECHANICAL DRAWINGS AND DRAWING 5/A-500.

A9

INSTALL NEW GYPSUM SOFFIT FOR NEW CEILING MOUNTED UNIT VENTILATORS. SEE DRAWINGS 1/A-502 AND 2/A-502.

A10

INSTALL NEW ACCESS PANEL IN PLASTER CEILING.

A11

PATCH EXISTING MASONRY AT DUCTWORK PENETRATIONS IN FAN ROOM.

A12

PATCH AND PAINT EXISTING PLASTER CEILING WHERE NEW UNIT IS MOUNTED IN CEILING.

A13

INSTALL LINESET AND POWER ABOVE CEILING AND IN TO CHASE FOR HVAC UNITS. ALL WIRE AND MECHANICAL EQUIPMENT SHALL BE CONCEALED.

A14

REINSTALL EXISTING DOORS TO SWING IN DIRECTION OF EGRESS.

A15

INSTALL NEW HOLLOW METAL DOOR AT BOILER ROOM. PROVIDE 1 1/2" HR LABEL DOOR WITH CLOSER. REUSE EXISTING LOCKSET. PAINT DOOR AND FRAME (COLOR BY ARCHITECT)(BOILER ROOM DOOR IN BASEMENT)

A16

PROVIDE AND INSTALL (1) 10 LB FIRE EXTINGUISHER AT SELECTED LOCATION.

A17

SAW CUT PLASTER CEILING FOR INSTALLATION OF HVAC COMBINER BOX. REINSTALL EXISTING CEILING TILE.

A18

PATCH WALL WHERE EXISTING UNIVENT IS REMOVED. PAINT TO MATCH EXISTING.

A19

REMOVE EXISTING DOOR TO UNDERCUT EXISTING DOOR TO ALLOW FOR 2" AIR SPACE. REINSTALL DOOR.

A20

GLAZING PANEL IN AREA TO BE REMOVED AND TESTED TO DETERMINE THAT IT IS SAFETY GLAZING. GLAZING TO BE REPLACED WITH LAMINATED GLAZING. OWNER AND ARCHITECT TO DETERMINE WHICH PANELS TO BE REMOVED.

A21

CONSTRUCT NEW CLOSET TO HOUSE NEW AC UNIT. COORDINATE CLOSET SIZING WITH UNIT. PROVIDE NEW DOOR AND FINISHES. CONFIRM SIZE AND COLOR WITH OWNER AND ARCHITECT.

KEY NOTES

1.

CONTRACTOR SHALL BE REQUIRED TO CORE DRILL ALL HOLES IN WALLS, FLOORS AND CEILINGS TO FACILITATE NEW LINESETS, ELECTRICAL CONDUITS AND CONDENSATE LINES.

2.

PATCH EXISTING VCT FLOORING AT BASE UNDER UNI-VENT.

3.

WIRE MOLD RUNS ALONG THE EXISTING TRIM UNDER WINDOW SILL INTO RELIEF VENT FOR FIRST AND SECOND FLOORS UNLESS OTHERWISE NOTED. CONTRACTOR WILL REVIEW LAYOUT WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.

4.

WIRE MOLD RUNS UP WALL 9FT ABOVE DROPPED CEILING, THEN DOWN 5FT INTO RELIEF VENT FOR 3RD FLOOR ONLY. CONTRACTOR WILL REVIEW LAYOUT WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.

GENERAL NOTES

NOTE: FLASH PATCH EXISTING CONCRETE AT NEW UV LOCATIONS AND INSTALL NEW VCT/WOOD TO MATCH EXISTING MATERIAL. COLOR TO BE SELECTED BY OWNER.

NOTE: ALL LINE SETS AND COMBINER BOXES ON THIS FLOOR ARE RUN IN THE ATTIC AND DROP VERTICAL TO THE UV UNITS.

1

PROPOSED THIRD FLOOR PLAN

SCALE: 1/16"=1'-0"

Drawn by

Checked by

Project No.

Scale

Date

MAL

MS/JC

41048

AS NOTED

05-14-21

GREENMAN PEDERSEN, INC

400 BELLA BOULEVARD

MONTEBELLO, NY 10601

Mechanical & Electrical Engineer.

Structural Engineer.

UNIVENT REPLACEMENT AT HAVERSTRAW ELEMENTARY

SED # 50-02-01-06-0-009-018

18 Grant Street

Haverstraw, NY 10627

COUNTY OF ROCKLAND

PROPOSED THIRD FLOOR PLAN

Drawing Title

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