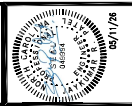






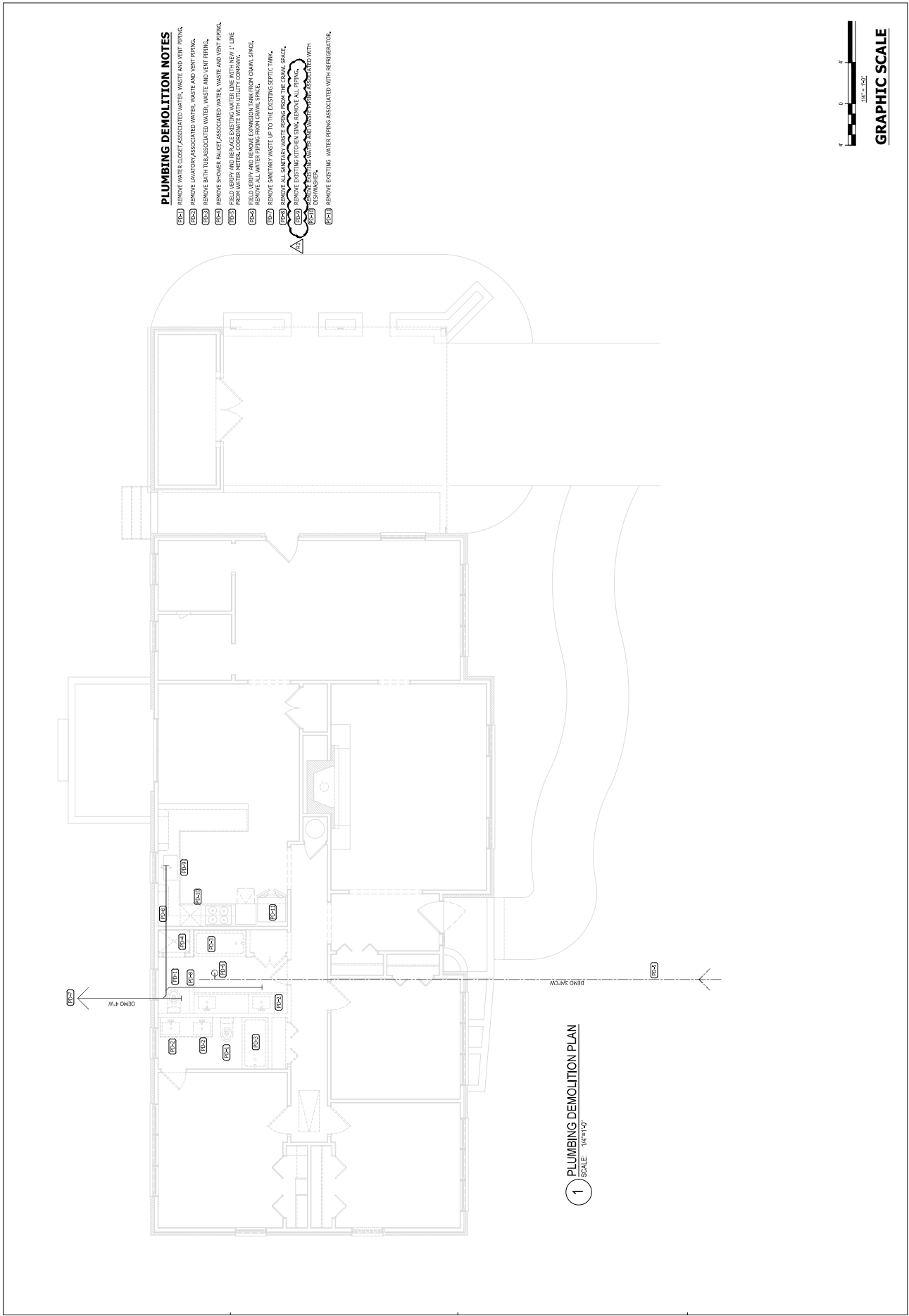
REVISIONS	BY	DATE
	MS	04-10-26

Green|ech Consulting, Inc.  
 GREENTECH LICENSE # C-2720  
 1100 S. W. 10TH AVENUE, SUITE 200  
 FORT LAUDERDALE, FL 33304  
 (954) 473-1100  
 GREEN|ech CONSULTING, INC.  
 REGISTERED PROFESSIONAL ENGINEER  
 LICENSE # 12082

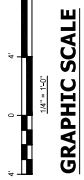


**AFREYA'S PLAYGROUND**  
 12082 NC HWY. 42, FLOUAY VARINA, NC 27526  
**PLUMBING DEMOLITION PLAN**

DATE:	04-10-26
SCALE:	AS SHOWN
DRAWN:	MS
JOB:	2026-011
SHEET:	P3
OF SHEETS	



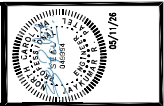
- PLUMBING DEMOLITION NOTES**
- (B-2) REMOVE WATER CLOSET ASSOCIATED WATER, WASTE AND VENT PIPING.
  - (B-3) REMOVE LAVATORY ASSOCIATED WATER, WASTE AND VENT PIPING.
  - (B-4) REMOVE BATH TUB ASSOCIATED WATER, WASTE AND VENT PIPING.
  - (B-5) REMOVE SHOWER INLET ASSOCIATED WATER, WASTE AND VENT PIPING.
  - (B-6) REMOVE SINK AND VENT PIPING FROM KITCHEN.
  - (B-7) REMOVE ALL WATER PIPING FROM CRAWL SPACE.
  - (B-8) REMOVE ALL SANITARY WASTE PIPING FROM THE CRAWL SPACE.
  - (B-9) REMOVE ALL SANITARY WASTE PIPING FROM THE CRAWL SPACE.
  - (B-10) REMOVE EXISTING WATER PIPING ASSOCIATED WITH DISHWASHERS.
  - (B-11) REMOVE EXISTING WATER PIPING ASSOCIATED WITH REFRIGERATOR.



**1 PLUMBING DEMOLITION PLAN**  
 SCALE: 1/4"=1'-0"

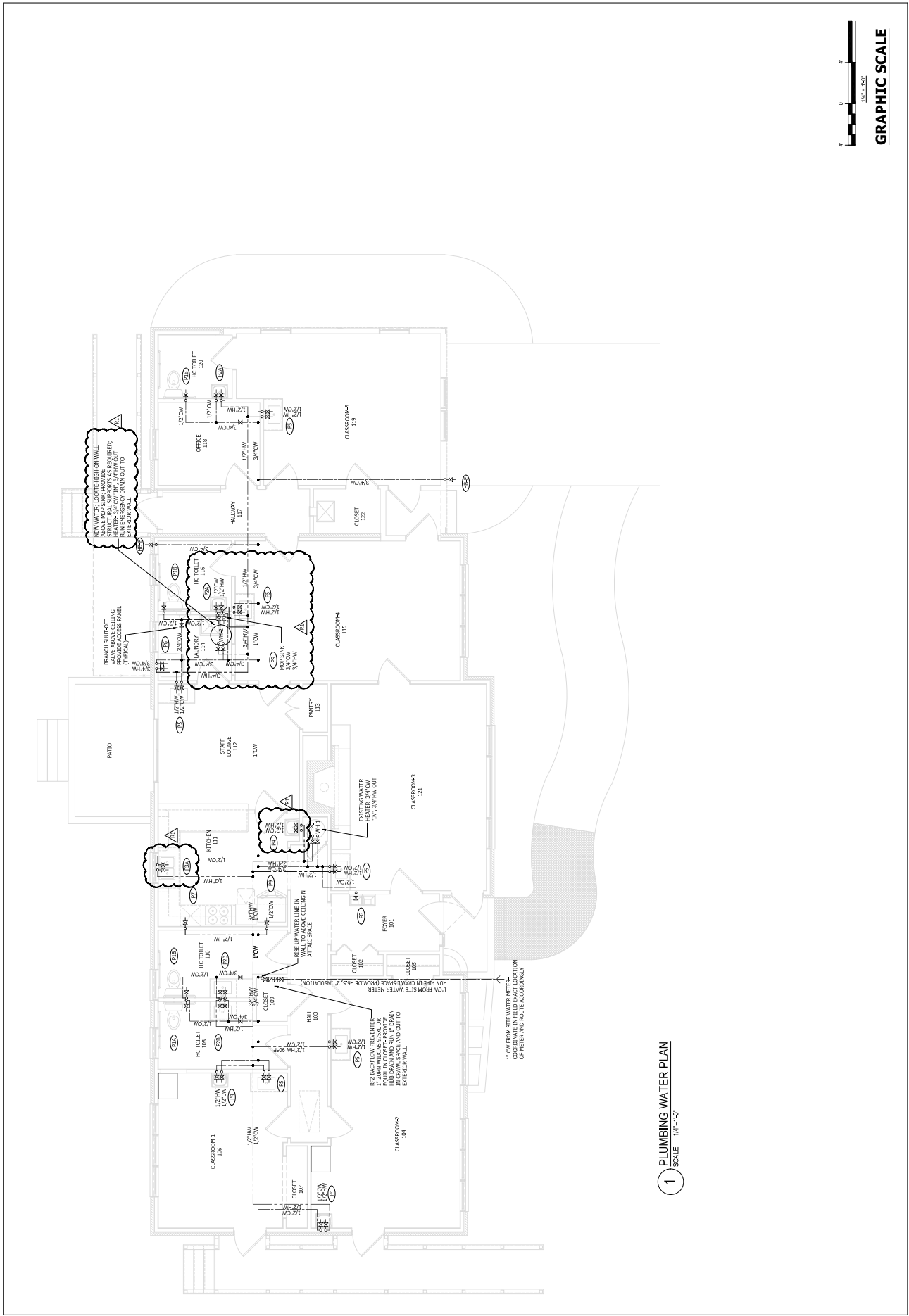
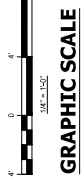
REVISIONS	BY	DATE

GREENTECH LICENSE # C-2720  
 GREENTECH CONSULTING, INC.  
 1100 S. W. 10TH AVENUE  
 SUITE 200  
 MIAMI, FL 33135  
 (305) 856-1100



**AFREY'S PLAYGROUND**  
 12082 NC HWY. 42, FLOUAY VARINA, NC 27526  
**PLUMBING WATER PLAN**

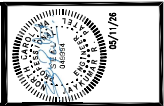
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 SCALE: AS SHOWN  
 DRAWN: MCS  
 JOB: 2026-011  
 SHEET: P4  
 OF SHEETS



**1 PLUMBING WATER PLAN**  
 SCALE: 1/4"=1'-0"

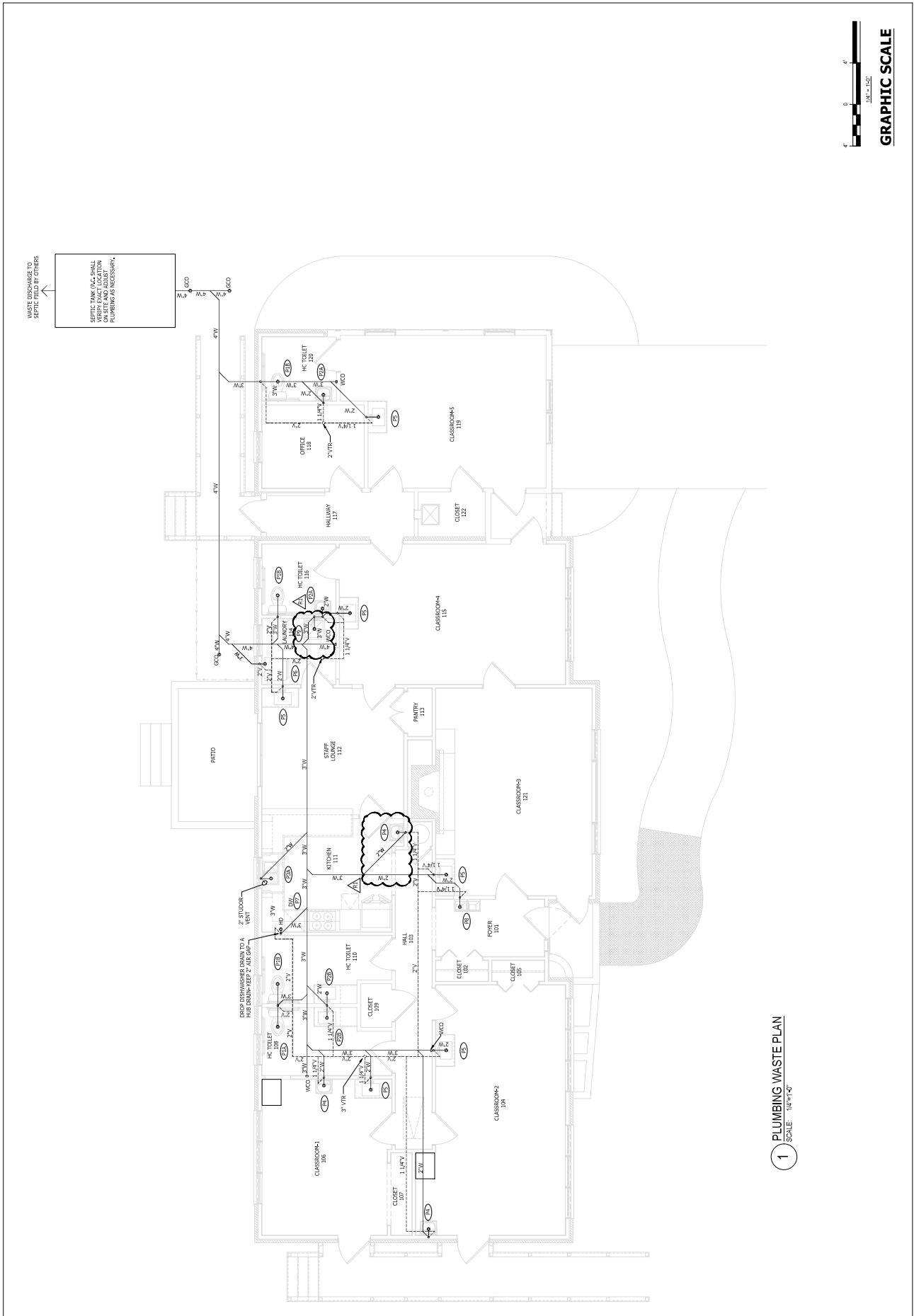
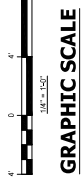
REVISIONS	BY	DATE
1	MS	04-10-26

GreenTech Consulting, Inc.  
 GREENTECH LICENSE # C-2720  
 1100 S. W. 10TH AVE.  
 SUITE 200  
 BOCA RATON, FL 33432  
 (561) 991-1100  
 GREENTECH CONSULTING, INC.



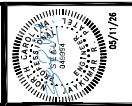
**AFREY'S PLAYGROUND**  
 12082 NC HWY. 42, FLOUAY VARINA, NC 27526  
**PLUMBING WASTE PLAN**

DATE: 04-10-26  
 SCALE: AS SHOWN  
 DRAWN: MCS  
 JOB: 2026-011  
 SHEET: P5  
 OF SHEETS



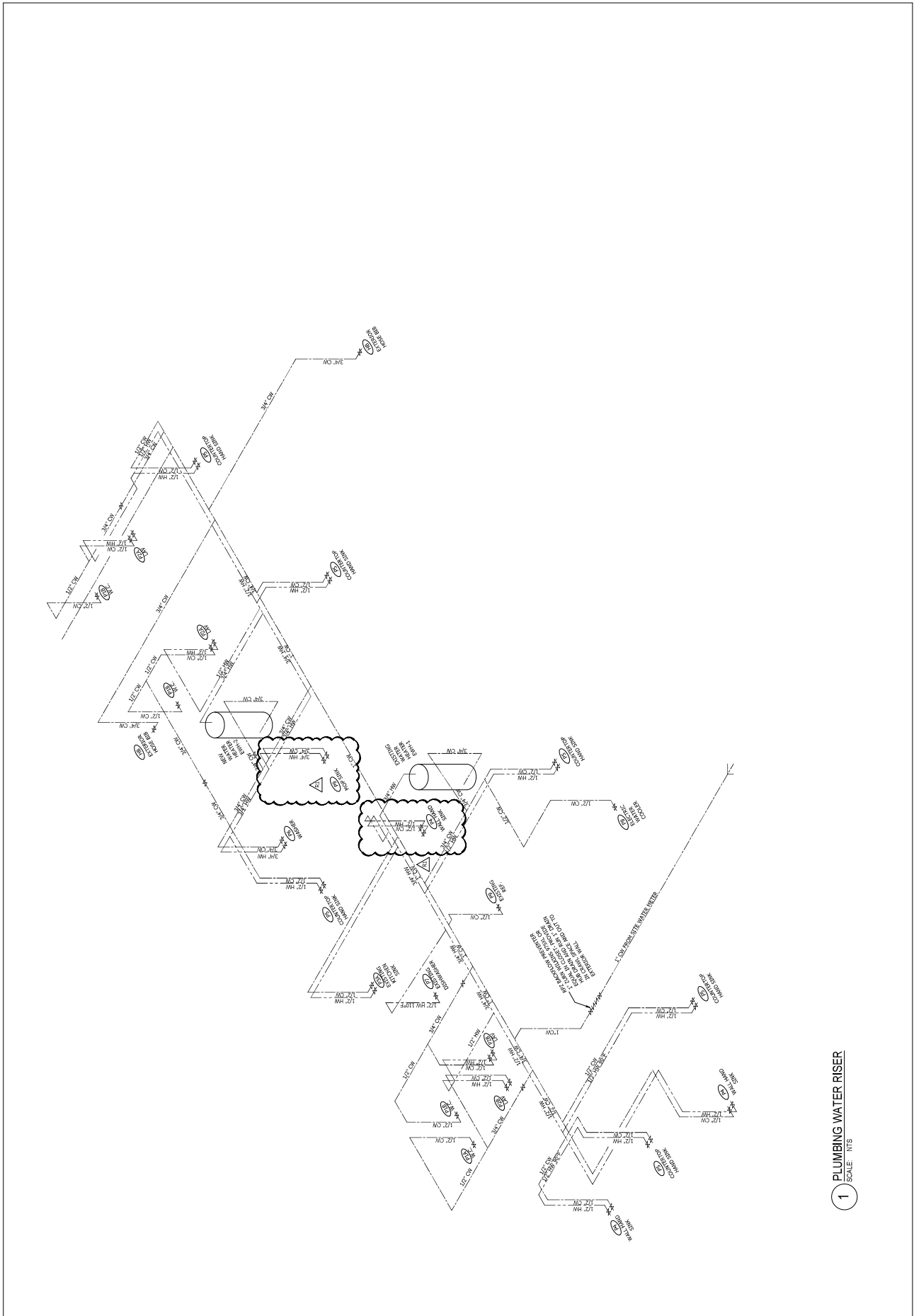
REVISIONS	BY	DATE

GreenTech Consulting, Inc.  
 ENGINEERING & STEAM ENGINEERING  
 1101 WEST WILSON ROAD  
 MORRISTOWN, NC 27560  
 PHONE: 703.889.9100  
 FAX: 703.889.9101  
 GREENTECH LICENSE # C-2720



**AFREY'S PLAYGROUND**  
 12082 NC HWY. 42, FLOUAY VARINA, NC 27526  
**PLUMBING WATER RISER**

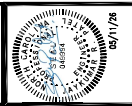
DATE: 04-10-26  
 SCALE: AS SHOWN  
 DRAWN: MCS  
 JOB: 2026-011  
 SHEET: **P6**  
 OF SHEETS



**1** PLUMBING WATER RISER  
 SCALE: NTS

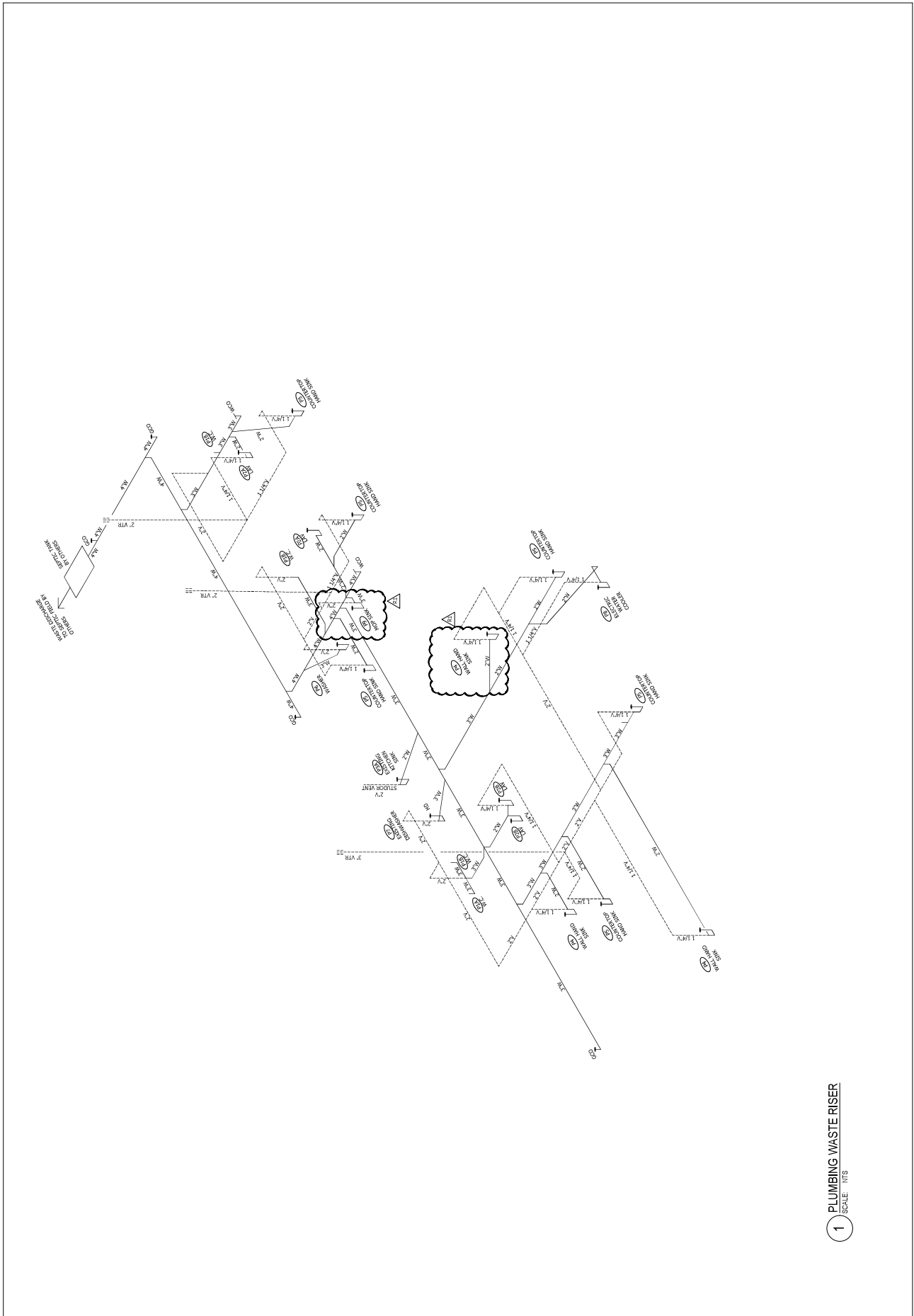
REVISIONS	BY	DATE

GreenTech Consulting, Inc.  
 ENGINEERING & DESIGN  
 1100 S. W. 10TH AVENUE  
 SUITE 200  
 BOCA RATON, FL 33432  
 GREENTECH LICENSE # C-2720



**AFREYA'S PLAYGROUND**  
 12082 NC HWY. 42, FLOUAY VARINA, NC 27526  
**PLUMBING WASTE RISER**

DATE: 04-10-26  
 SCALE: AS SHOWN  
 DRAWN: MCS  
 JOB: 2026-011  
 SHEET: **P7**  
 OF SHEETS



**1** PLUMBING WASTE RISER  
 SCALE: 1/8" = 1'-0"







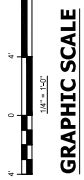






**ELECTRICAL LEGEND - EXISTING PLAN:**

	RECESSED CAN OR SURFACE MOUNT LIGHT WITH PULL STRING TYPE SWITCH
	4' RECESSED CAN
	WALL LIGHT
	FLOOD LIGHT
	CHANDELIER
	RECESSED SQUARE LIGHT
	LIGHT/EXHAUST FAN
	EXHAUST FAN
	CEILING FAN
	1 P TOGGLE SWITCH
	3 WY, 1 P TOGGLE SWITCH
	4 WY, 1 P TOGGLE SWITCH
	DIMMER SWITCH
	DUPLEX RECEPTACLE
	DUPLEX GFI RECEPTACLE AT 42' AFF
	DUPLEX GFI RECEPTACLE WEATHERPROOF
	QUADPLEX RECEPTACLE
	200' FREEZETAILE
	PANELBOARD
	CIRCUIT BREAKER BOX
	DISCONNECT
	SMOKE DETECTOR
	CO DETECTOR
	SPEAKER SYSTEM BOX
	DOOR BELL
	DEMOLITION HATCH - REMOVE ELECTRICAL LIGHT OR DEVICES AND DISCONNECT FROM MAIN DISTRIBUTION OR TO THE ELECTRICAL PANEL, VERIFY IN FIELD.



**1 ELECTRICAL PLAN - DEMOLITION**  
SCALE: 1/4"=1'-0"

**ELECTRICAL DEMOLITION NOTES**

- E-25 COORDINATE WITH ELECTRIC UTILITY FOR REMOVAL OF EXISTING ELECTRICAL METER AND SECONDARY.
- E-25 EXISTING ELECTRICAL PANEL IS TO REMAIN, REMOVE SERVICE GROUND AND BONDING TO GROUND AND REMOVE ALL WIRING FROM SERVICE DISCONNECT, INCLUDING ALL WIRING TO THE EXISTING ELECTRICAL PANEL.
- E-25 REMOVE EXISTING OVER OUTLET AND WIRING BACK TO THE EXISTING PANEL.
- E-25 REMOVE EXISTING WATER HEATER WIRING AT EXISTING PANEL, PROVIDE JUNCTION BOX AND EXTEND WIRING TO THE NEW PANEL.
- E-25 EXISTING RECEPTACLE TO BE REMOVED AND REPLACED WITH NEW TAMPER RESISTANCE RECEPTACLE, REFER NEW WORK PLAN FOR E-4.
- E-25 REMOVE EXISTING WIRING TO THE EXISTING WIRING CENTER (WIRING CENTER) PACKAGED UNIT, REMOVE THE SIDE WIRING BACK TO THE EXISTING ELECTRICAL PANEL.
- E-25 REMOVE INTERCOM SYSTEM AND ASSOCIATED WIRING, REMOVE ELECTRICAL CIRCUIT BACK TO THE PANELBOARD OR ITS ORIGIN POINT.
- E-25 REMOVE AND RELOCATE EXISTING FLOOD LIGHT AS SHOWN IN NEW WORK PLAN.
- E-25 REPLACE EXISTING GFI WITH NEW SWITCH WITH BULB-IN OCCUPANCY SENSOR, REFER NEW WORK PLAN.

REVISIONS BY DATE

11/08/21  
11/20/21  
11/20/21

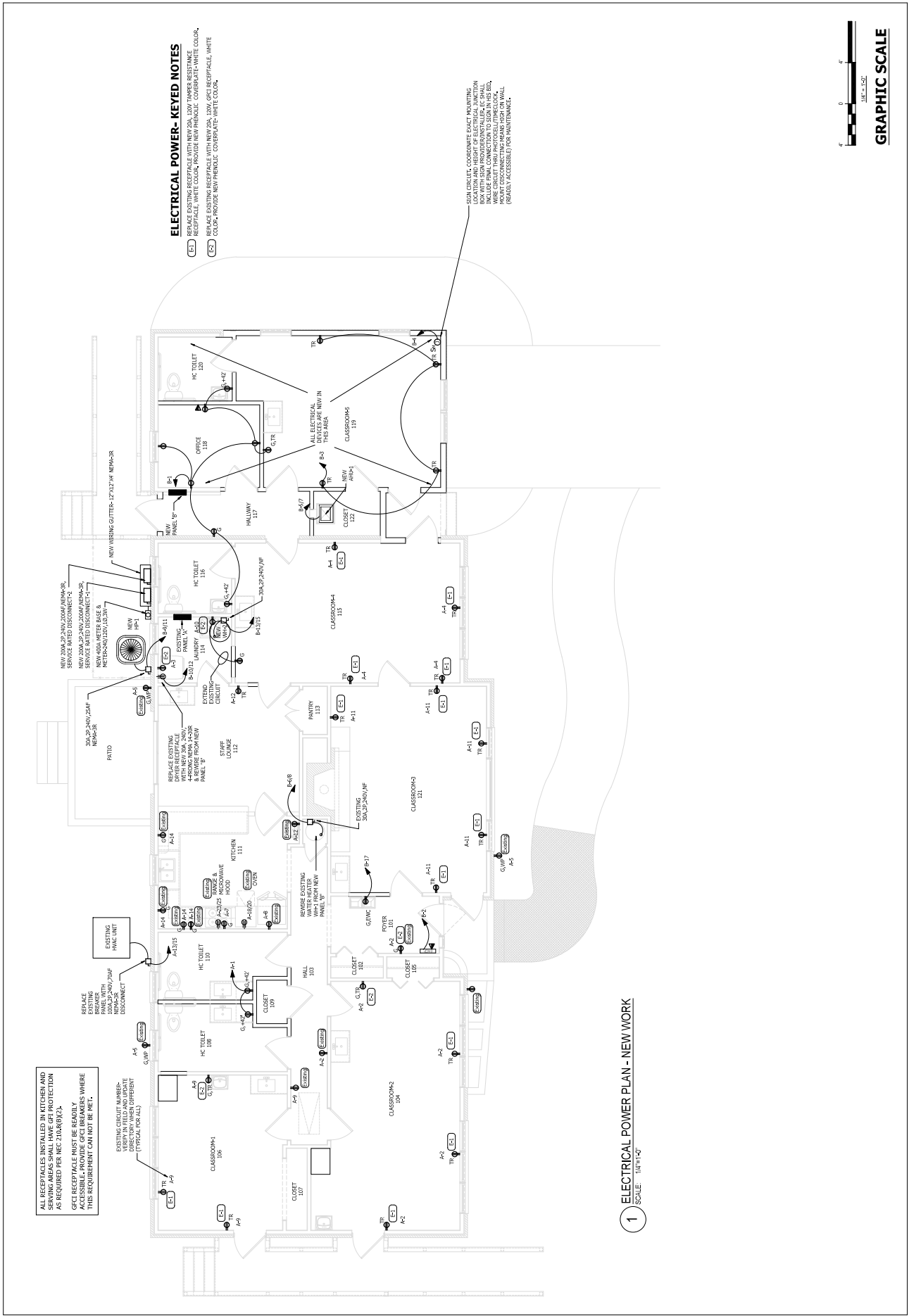
GREENTECH CONSULTING, INC.  
GREENTECH LICENSE # C-2720  
11111 GREENWOOD DRIVE  
MORRISTOWN, NC 27560  
919.881.9196  
WWW.GREENTECHCONSULTING.COM



05/17/26

**AFREY'S PLAYGROUND**  
**ELECTRICAL POWER PLAN**  
12082 NC HWY. 42, FLOUAY VARINA, NC 27526

DATE: 04-10-26  
SCALE: AS SHOWN  
DRAWN: MCS  
JOB: 2026-011  
SHEET: E4  
OF SHEETS



ALL RECEPTACLES INSTALLED IN KITCHEN AND DINING ROOM ARE TO BE INSTALLED WITH PROTECTION AS REQUIRED PER NEC 210.8(B)(2).  
GFCI RECEPTACLES MUST BE INSTALLED WHERE DISCONNECTS ARE NOT INSTALLED. THIS REQUIREMENT CAN NOT BE MET.

EXISTING GFI/IT W/AMPS DISCONNECTS TO BE REMOVED AND REPLACED WITH TAMPER RESISTANT DISCONNECTS. THIS REQUIREMENT CAN NOT BE MET.

REPLACE EXISTING DINING RECEPTACLE WITH NEW 20A, 250V, 2-POLE, 4-ROCKING DINING RECEPTACLE WITH TAMPER RESISTANT DISCONNECT.

REPLACE EXISTING KITCHEN RECEPTACLE WITH NEW 20A, 250V, 2-POLE, 4-ROCKING KITCHEN RECEPTACLE WITH TAMPER RESISTANT DISCONNECT.

REPLACE EXISTING HALLWAY RECEPTACLE WITH NEW 20A, 250V, 2-POLE, 4-ROCKING HALLWAY RECEPTACLE WITH TAMPER RESISTANT DISCONNECT.

REPLACE EXISTING RESTROOM RECEPTACLE WITH NEW 20A, 250V, 2-POLE, 4-ROCKING RESTROOM RECEPTACLE WITH TAMPER RESISTANT DISCONNECT.

REPLACE EXISTING CLASSROOM RECEPTACLE WITH NEW 20A, 250V, 2-POLE, 4-ROCKING CLASSROOM RECEPTACLE WITH TAMPER RESISTANT DISCONNECT.

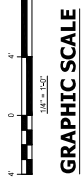
REPLACE EXISTING CLASSROOM RECEPTACLE WITH NEW 20A, 250V, 2-POLE, 4-ROCKING CLASSROOM RECEPTACLE WITH TAMPER RESISTANT DISCONNECT.

REPLACE EXISTING CLASSROOM RECEPTACLE WITH NEW 20A, 250V, 2-POLE, 4-ROCKING CLASSROOM RECEPTACLE WITH TAMPER RESISTANT DISCONNECT.

REPLACE EXISTING CLASSROOM RECEPTACLE WITH NEW 20A, 250V, 2-POLE, 4-ROCKING CLASSROOM RECEPTACLE WITH TAMPER RESISTANT DISCONNECT.

REPLACE EXISTING CLASSROOM RECEPTACLE WITH NEW 20A, 250V, 2-POLE, 4-ROCKING CLASSROOM RECEPTACLE WITH TAMPER RESISTANT DISCONNECT.

**1 ELECTRICAL POWER PLAN - NEW WORK**  
SCALE: 1/8"=1'-0"



SEE NOTES FOR INFORMATION ON THE LOCATION AND HEIGHT OF ELECTRICAL JUNCTION BOX WITH SIGN PROVIDED INSTALLER. SEE SHALL BE INSTALLED WITH TAMPER RESISTANT WALL WIRE CIRCUIT THEORY PHOTOCELL TIME CLOCK, PHOTOCELL TIME CLOCK, PHOTOCELL TIME WALL (EASILY ACCESSIBLE FOR MAINTENANCE).





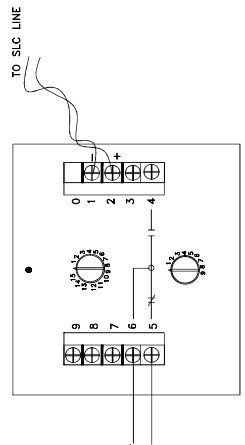
**FIRE SAFETY LEGEND**

□	FIRE ALARM CONTROL PANEL-ADDRESSABLE
□	WALL MOUNT FIRE ALARM HORN STROBE
□	END OF LINE RESISTOR
□	CEILING MOUNT SMOKE DETECTOR-DIMENSIONAL TYPE
□	CEILING MOUNT HEAT DETECTOR-WAITE OF PISE
□	FIRE ALARM PULL STATION W/COVER

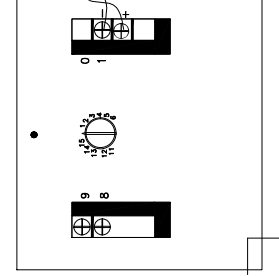
**FIRE ALARM NOTES:**

1. FIRE ALARM SYSTEM IS DESIGNED TO COMPLY WITH THE CURRENT IBC, 72.
2. ADDRESSABLE SOUND LEVEL SHALL BE AT LEAST 15DBA ABOVE THE AVERAGE BACKGROUND SOUND LEVEL IN THE OCCUPIED AREA, MEASURED 5 FEET ABOVE THE FLOOR IN THE OCCUPIED AREA.
3. THE TOTAL SOUND LEVEL PRODUCED BY COMBINING AMBIENT SOUND WITH ALL ALARM SIGNALS SHALL NOT EXCEED 110 DBA UNL.
4. TOP RATING IS CALCULATED PER NFPA AND IT IS MINIMUM, PROVIDE MINIMUM OR EXCEEDS MINIMUM.
5. PROVIDE BATTERY CALCULATIONS AND SHOP DRAWINGS FOR FIRE MARSHALLS FINAL APPROVAL.
6. PROVIDE BUILDING FIRE ALARM ZONE MAP IN A FRAME PRELOCAL FIRE MARSHALLS REQUIREMENT.
7. REFER TO PLAN SPECIFICATIONS FOR EQUIPMENT DEVICE MODEL NUMBERS.
8. REFER PLANS FOR EXACT QUANTITY OF FIRE ALARM DEVICES.
9. HORN STROBES SHALL BE WHITE IN COLOR.
10. PROVIDE RELAY AT EACH HORN UNIT FOR ITS SHUTDOWN.
11. FIRE ALARM SYSTEM SHALL BE FULLY COMPLIANT WITH NFPA 72 AND IBC. ALTERNATIVELY, PLENUM RATED PFL CABLES ALLOWED.
12. LOCATE LISTING MARKED FIRE ALARM HORN STROBE TO THE CENTER OF THE ROOM AS PRACTICAL AS CAN BE. COORDINATE OTHER LISTING MOUNTED DEVICES SUCH AS LIGHT, SPEAKER, DIFFUSER, ETC. PRIOR TO INSTALLATION (TYPICAL).
13. THE WIRING FOR THE END OF THE LINE NOTIFICATION CIRCUIT SHALL BE IN SHARED CONDUIT.
14. THE FIRE ALARM HORN STROBE WITHIN 15' OF THE END OF CORRIDOR OR EXIT.
15. ACTIVATION OF AN ALARM ZONE SHALL CAUSE ALL AIR HANDLING EQUIPMENT SERVING THAT ZONE TO SHUT DOWN (FALL DAMPERS, AIR HANDLERS AND EXHAUST FANS MUST STOP).

**CRF-300 CONTROL MODULE**

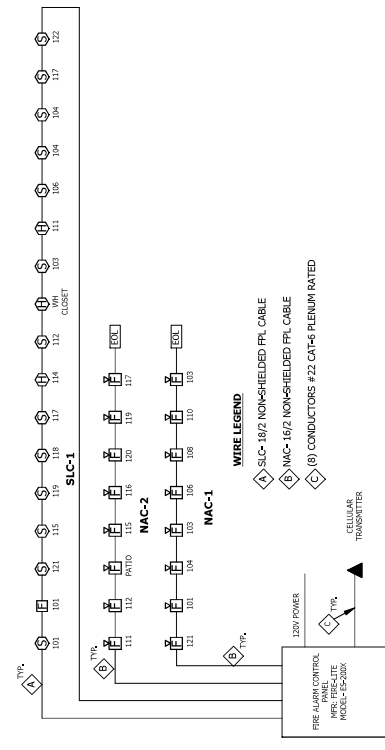
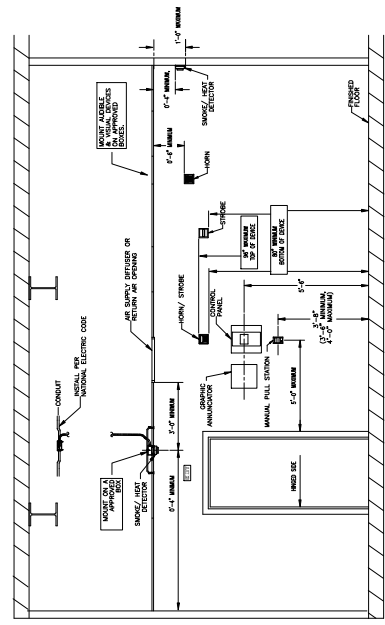


**FIRELITE #MMF-300 MONITOR MODULE**



SYSTEM INPUTS	CONTROL UNIT ANNUNCIATION	NOTIFICATION	SUPERLUM ENTRY
1	2	3	4
1) MANUAL FIRE ALARM BOX	X	X	X
2) HEAT DETECTOR	X	X	X
3) SMOKE/HEAT DETECTOR	X	X	X
4) FIRE ALARM SIGNAL (W/COVER)	X	X	X
5) OPEN CIRCUIT SIGNAL (W/COVER)	X	X	X
6) NOTIFICATION SUPPLANCE CIRCUIT SHORT	X	X	X
ACTIVATE COMMON ALARM SIGNAL INDICATOR	X	X	X
ACTIVATE ADDRESSABLE ALARM SIGNAL	X	X	X
ACTIVATE COMMON SUPERVISORY ALARM SIGNAL INDICATOR	X	X	X
ACTIVATE ADDRESSABLE COMMON TROUBLE SIGNAL	X	X	X
ACTIVATE FLOOR ALARM INDICATOR	X	X	X
ACTIVATE ADDRESSABLE COMMON TROUBLE SIGNAL	X	X	X
ACTIVATE FLOOR EVACUATION SIGNALS	X	X	X
DISPLAY/PRINT CHANGE OF STATUS	X	X	X
TRANSMIT FIRE ALARM SIGNAL TO CENTRAL STATION	X	X	X
TRANSMIT SUPERVISORY TO CENTRAL STATION	X	X	X
ACTIVATE TROUBLE SIGNAL TO CENTRAL STATION	X	X	X
ACTIVATE SUPPRESSION SYSTEM RELEASE SEQUENCE	X	X	X
INITIATE SUPPRESSION SYSTEM RELEASE SEQUENCE	X	X	X
EMERGENCY RELEASES SOLENOIDS	X	X	X
AIR HANDLING UNIT SHUT DOWN	X	X	X
SHOW CHANGE OF STATUS ON ANNUNCIATOR	X	X	X
ACTIVATE EXTERNAL HORN STROBE	X	X	X

**INSTALLATION REQUIREMENTS**



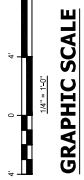
REVISIONS	BY	DATE
1	MS	04-10-26

GREENTECH CONSULTING, Inc.  
 308 HERRINGFIELD RD., SUITE 100  
 MORRISTOWN, NC 27560  
 919.487.8888  
 GREENTECH LICENSE # C-2720



**AFREYA'S PLAYGROUND**  
 12082 NC HWY. 42, FLOUAY VARINA, NC 27526  
**FIRE ALARM PLAN**

DATE:	04-10-26
SCALE:	AS SHOWN
DRAWN:	MS
JOB:	2026-011
SHEET:	FA2
OF SHEETS:	



1 FIRE ALARM PLAN  
 SCALE: 1/4"=1'-0"