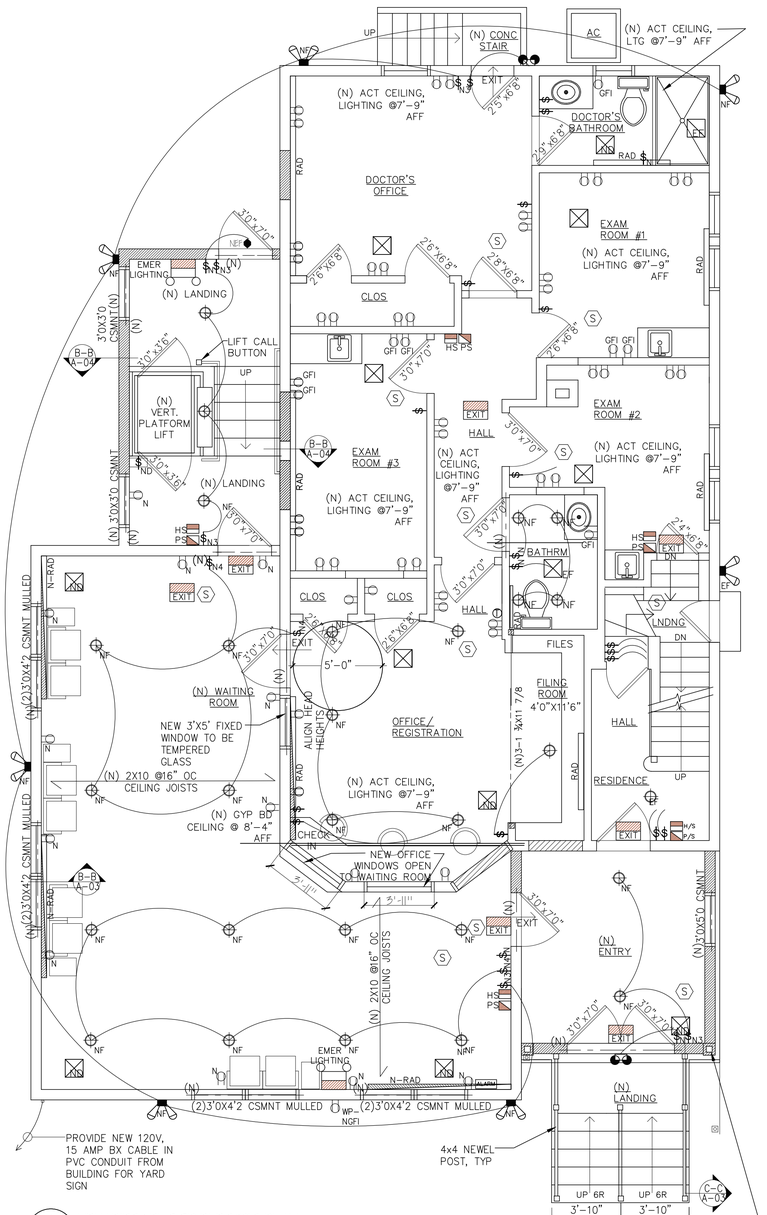
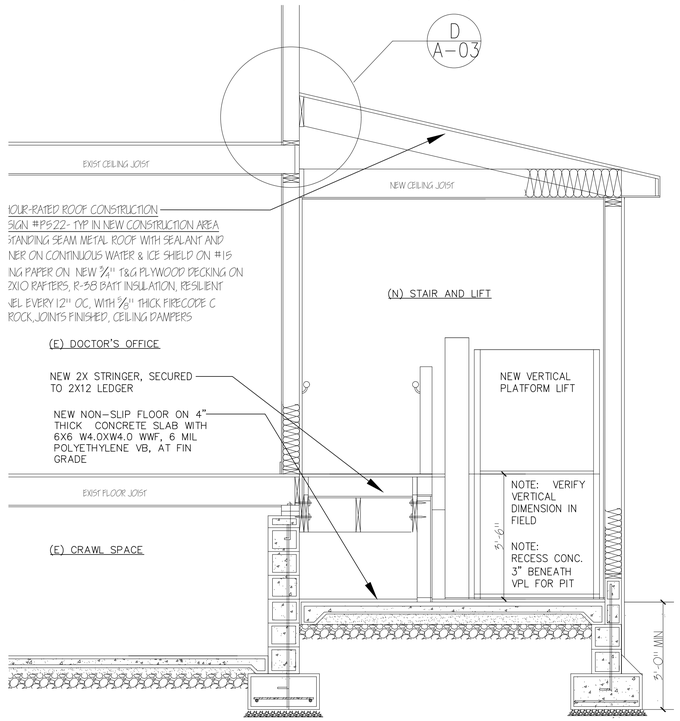


A A-04 NEW FIRST FLOOR ELECTRIC PLAN
SCALE: 1/4"= 1'-0"

ELECTRIC KEY:	
SYMBOL	DESCRIPTION
NF	NEW PHILIPS LIGHTOLIER "S5R SLIMSURFACE" SURFACE MOUNT 5" LED FIXTURE, WHITE
EF	EXIST SURFACE MOUNTED FIXTURE
WS	NEW INTERIOR WALL SCONCE FIXTURE
NEF	NEW EXTERIOR LED EMERGENCY WALL SCONCE FIXTURE- MIN 2 FOOTCANDLES
NEF	NEW EXTERIOR LED WALL SCONCE FIXTURE
GFI	GROUND FAULT CURRENT INTERRUPTER DUPLEX RECEPTACLE
N	NEW DUPLEX RECEPTACLE
WP-NGFI	NEW WEATHER-PROTECTED GROUND FAULT CURRENT INTERRUPTER DUPLEX RECEPTACLE
$N	NEW SWITCH
$N3	NEW THREE-WAY SWITCH
	EXIST RECEPTACLE TO REMAIN
ER	EXIST RECEPTACLE- TO BE REMOVED
$	EXIST SWITCH
$ER	EXIST SWITCH- TO BE REMOVED
S	INTERCONNECTED SMOKE DETECTOR- SEE NOTE BELOW
TN	NEW THERMOSTAT
NS	NEW DIFFUSER
	EXIST DIFFUSER
RAR-N	NEW RETURN AIR REGISTER
$ND	NEW 120A DISCONNECT SWITCH- DEDICATED CIRCUIT

NOTE: INSTALL ELECTRONICALLY SUPERVISED SMOKE DETECTION SYSTEM THROUGHOUT THE ALARM CONTROL AREA AS WELL AS OUTSIDE THE OFFICE SPACE IN THE HALLWAYS, BASEMENT, AND TWO FLOORS OF RESIDENCE (ONE ON EVERY FLOOR AND IN EVERY SLEEPING AREA).



B-B A-04 NEW PARTIAL SECTION
SCALE: ½"= 1'-0"

THERMAL AND MOISTURE CONTROL NOTES:

1. INSULATE AROUND ALL EXTERIOR WALL AND FLOOR OPENINGS. INSULATE BETWEEN FRAMING FOR WINDOW AND EXTERIOR DOOR OPENINGS. INSULATE AT WALLS, FLOOR AND CEILING OF NEW WAITING ROOM.

2. SILICONE SEAL AROUND ALL WINDOW AND EXTERIOR DOOR FRAMES, AND AROUND ALL WALL AND ROOF PENETRATIONS.

3. INSTALL FLASHING AT ALL NEW WINDOWS AND EXTERIOR DOORS. INSTALL NEW WHITE ALUMINUM FLASHING AT ALL NEW HORIZONTAL SURFACES OF EXTERIOR TRIM. CHECK FLASHING AND PROVIDE AS NECESSARY WHERE PORCH ROOF MEETS SECOND FLOOR WALL.

4. PROVIDE NEW STUCCO SIDING AND PAINTED WOOD OR AZEK TRIM. NEW TRIM INCLUDES FASCIAS, EAVES, CASINGS AT DOORS AND WINDOWS.

5. PROVIDE NEW ALUMINUM GUTTERS AND LEADERS.

ELECTRICAL NOTES:

1. ALL ELECTRIC WORK TO COMPLY WITH NATIONAL ELECTRIC CODE, 2017.

2. REMOVE EXIST 100 AMP ELECTRIC PANEL AND PROVIDE NEW 200 AMP PANEL. TIE ALL EXIST CIRCUITS INTO NEW PANEL. RUN ANY NEW CIRCUITS FORM NEW PANEL.

3. PROVIDE ALL NEW ELECTRIC FIXTURES AS INDICATED: LIGHTING FIXTURES, ELECTRIC PANEL, SWITCHES, RECEPTACLES (120/208V, STANDARD AND GFCI) ETHERNET CONNECTION, ETC.

4. PROVIDE ELECTRIC TO NEW HVAC SYSTEM.

5. PROVIDE MEDICAL-GRADE ELECTRICAL WIRING AND EQUIPMENT IN EXAMINING ROOMS THAT COMPLY WITH THE REQUIREMENTS FOR PATIENT-CARE AREAS AS PER THE NEC 517.13(A) AND (B). THE MEDICAL-GRADE WIRING INCLUDES TYPE AC CABLE (ARMORED CABLE) OR EMT WIRING AND BRANCH CIRCUITS WITH A GROUND PATH FOR FAULT CURRENT. NEW WIRING IN OTHER AREAS MAY BE ROMEX. RUN CONCEALED.

6. ALL NEW FIXTURES TO BE UL LISTED.

7. TERMINATE ALL WIRING BACK TO ELECTRIC PANEL.

STRUCTURAL NOTES:

GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN FIELD, SHALL CHECK ALL MEASUREMENTS ON JOB, AND SHALL BE RESPONSIBLE FOR SAME.

STEEL:
1. ALL STRUCTURAL STEEL SHALL CONFORM TO AISC SPECIFICATIONS FOR DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS, LATEST EDITION, ALL LOCAL ORDINANCES AND ASTM A36 (Fy=36 ksi).

2. ALL REINFORCING BARS SHALL BILLET STEEL DEFORMED TYPE, ASTM A-615 GRADE 60 AND SHALL COMPLY WITH ACI CODE REQUIREMENTS.

3. ALL WELDS SHALL CONFORM TO LATEST AMERICAN WELDING SOCIETY (AWS) CODE.

4. ALL LINTELS SHALL BE PAINTED WITH A RUST INHIBITIVE PRIMER AND PAINT. MAXIMUM DEFLECTION FOR LINTELS SHALL BE 1/700. ALL LINTELS TO BEAR ON SOLID MASONRY, 8" MINIMUM BEARING LENGTH ON EACH SIDE OF OPENING.

CONCRETE:
1. ALL NEW FOOTINGS TO BEAR ON UNDISTURBED OR COMPACTED SOIL WITH 1.5 TON CAPACITY MINIMUM.

2. ALL CONCRETE SHALL COMPLY WITH LATEST ACI CODE.

3. THE ULTIMATE 28 DAY COMPRESSIVE STRENGTH OF THE CONCRETE SHALL BE 2400 psi. AGGREGATE FOR THE CONCRETE SHALL BE PRODUCED BY THE ROTARY KILN PROCESS, SOLITE PROCESS OR APPROVED EQUAL.

4. ALL CONCRETE MASONRY UNITS SHALL CONFORM TO THE LATEST EDITION ASTM C-90 SPECIFICATIONS.

5. USE TYPE "N" MORTAR CONFORMING TO ASTM C-270 SPECIFICATIONS, EXCEPT WHERE NOTED OTHERWISE.

WOOD:
1. ALL NEW LUMBER TO BE DOUGLAS FIR LARCH #1 OR BETTER, Fb=1150 psi, E=1.8X10(6).

2. ALL WOOD IN DIRECT CONTACT WITH CONCRETE OR AT GROUND SHALL BE PRESSURE TREATED.

3. ALL NEW BEAMS TO BEAR DIRECTLY ON NEW NEW POSTS. ALL POSTS SHALL BE EXTENDED TO TOP OF EXISTING FOUNDATION WALL BELOW. PROVIDE SOLID BLOCKING BENEATH POSTS AS REQUIRED.

4. WHEN FLUSH FRAMING IS REQUIRED, USE GALVANIZED STEEL FRAMING ANCHORS.

5. DOUBLE FRAME AROUND ALL WALL AND FLOOR OPENINGS. PROVIDE BLOCKING AT JOIST MID-SPAN. DOUBLE JOIST PARALLEL TO PARTITIONS.

6. PROVIDE HURRICANE STRAPS TIED TO WALL AT ALL NEW RAFTERS.

7. ALL NEW HEADERS TO BE 3-2x10, UNLESS NOTED OTHERWISE.

8. PROVIDE FIRE-BLOCKING EVERY 10' OC AT ALL CONCEALED SPACES (VERTICAL AND HORIZONTAL) AND AT ATTIC.

MECHANICAL NOTES:

1. REUSE EXIST HVAC EQUIPMENT- EXIST BOILER IN BASEMENT. PROVIDE NEW RADIATORS IN NEW WAITING ROOM AND RELOCATE EXIST RADIATORS AS INDICATED. TIE NEW RADIATORS INTO EXISTING PIPING. PROVIDE NEW PIPING AND ALL EQUIPMENT AS NECESSARY FOR A COMPLETE INSTALLATION.

2. REUSE EXIST AIR HANDLING UNIT IN BASEMENT AND CONDENSING UNIT RELOCATED AT EXTERIOR. PROVIDE NEW DIFFUSERS IN NEW WAITING ROOM AND RELOCATE EXISTING DIFFUSERS AS INDICATED. PROVIDE NEW RETURN AIR REGISTER AND THERMOSTAT. PROVIDE ALL EQUIPMENT AND FIXTURES AS NECESSARY FOR A COMPLETE INSTALLATION: DIFFUSERS, RETURN AIR REGISTER, DUCTWORK, THERMOSTATS, CONTROLS, DAMPERS, VALVES, ETC. IN AREAS AS INDICATED. TIE ALL NEW EQUIPMENT INTO EXISTING SYSTEM. ALL NEW DUCTROK TO BE CONCEALED IN FINISHED SPACES. INSULATE DUCTWORK IN UNFINISHED SPACES.

3. BALANCE HVAC SYSTEMS AND ENSURE SYSTEMS ARE FUNCTIONING. NEW HVAC SYSTEM TO MEET THE FOLLOWING CRITERIA: HEATING- INSIDE CONDITION= 68 DEGREES F WHEN OUTSIDE CONDITION= 0 DEGREES F; COOLING- INSIDE CONDITION= 70 DEGREES F WHEN OUTSIDE CONDITION= 95 DEGREES F, DRY BULB.

PLUMBING NOTES:

1. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH 2015 INTERNATIONAL PLUMBING CODE, NEW JERSEY EDITION. REUSE EXISTING PLUMBING AND MECHANICAL EQUIPMENT AS INDICATED. PROVIDE ALL NEW PLUMBING FIXTURE, ACCESSORIES,AND SUPPLY, SANITARY AND VENT LINES AS NECESSARY FOR A COMPLETE INSTALLATION. TIE NEW FIXTURES INTO EXISTING SUPPLY H&CW AND SANITARY LINES.

2. PROVIDE NEW SINKS AND WATER CLOSET AS INDICATED AS SELECTED BY OWNER. NEW SINKS IN EXAM ROOMS TO BE COORDINATED WITH NEW BUILT-IN CABINETS.

NO. DATE ISSUE

VERDIGRIS ARCHITECTS, LLC
14 BREARLY CRESCENT
FAIR LAWN, NJ 07410
201-925-0612
amy@verdigrisarchitects.com
ARCHITECTURE
INTERIOR DESIGN

verdigrisarchitects

458 Clifton Avenue, LLC
ALTERATION/ADDITION OF DOCTOR'S OFFICE
458 Clifton Avenue
Clifton, NJ 07011
PROJECT #19-14

Amy Hummerstone, RA
NJ Architect: 21AI01301600RA

DRAWING TITLE
New Reflected Ceiling Plan, Electric Schedule, Section, Notes

SCALE:	DRAWN BY:
1/4= 1'-0"	AH
DATE	SHEET NO.
04-06-21	A-04
PROJECT NO.	Sht 4 of 4
19-14	