8 NOV '22 AM 9:38

5935A
#134168

MECKLENBURG COUNTY
HEALTH DEPARTMENT

APPLICATION FOR APPROVAL TO USE AN EXISTING
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM / WATER SUPPLY WELL

APPLICATION TYPE: ○ SEPTIC ONLY ○ WELL ONLY ● SEPTIC & WELL
○ ADDITION OR RENOVATION WITH OCCUPANCY INCREASE ○ EXCHANGE MOBILE HOME (SAME # BEDROOMS)
○ ADDITION OR RENOVATION WITH NO OCCUPANCY INCREASE ● COMMERCIAL OR INDUSTRIAL

PERSON FILING APPLICATION:
NAME Thomas Sotomayor 2nd
ADDRESS 901 Lamberton Pl
CITY Albuquerque
STATE NM ZIP 87107
PHONE (505) 858-0180
ALTERNATE PHONE (505) 903-3994
E-MAIL Thomas.Sotomayor@bdaarc.com

PROPERTY OWNER: ☐ SAME AS PERSON FILING APPLICATION
NAME PEN LLP (Mark Epstein
ADDRESS PO Box 551206
CITY Gastonia
STATE NC ZIP 28055
PHONE 480 4890574
ALTERNATE PHONE
E-MAIL mark.epstein@totalbondvets.com

JOB LOCATION INFORMATION
TAX PARCEL #: 03114109
STREET ADDRESS: 11226 Mount Holly Rd.
CITY: Charlotte
STATE: NC ZIP: 28012

SUBDIVISION OR MOBILE HOME PARK NAME: N/A
LOT #:

WATER SUPPLY:
○ MUNICIPAL ● PRIVATE WELL ○ PUBLIC WELL ○ SHARED WELL ○ OTHER

RESIDENTIAL PROPERTY TYPE: ● N/A
○ HOUSE ○ MODULAR HOME ○ MULTIPLE FAMILY
○ SINGLE MOBILE HOME ○ DOUBLE WIDE
○ OTHER

OCCUPANCY (both fields are required):
NUMBER OF BEDROOMS
NUMBER OF OCCUPANTS

COMMERCIAL / INDUSTRIAL PROPERTY TYPE: ☐ N/A
TYPE OF BUSINESS Veterinary Hospital
EMPLOYEES PER SHIFT 6
OF SHIFTS 2

INDUSTRIAL WASTES? ○ YES ● NO
UNDERGROUND STORAGE TANKS? ● YES ○ NO

ADDITION/RENOVATION TYPE ATTACHED TO EXISTING STRUCTURE:
☐ BEDROOM ☐ BATHROOM ☐ KITCHEN ☐ DINING ROOM ☐ LIVING ROOM ☐ DEN
☐ GARAGE ☐ SUNROOM ☐ PORCH ☐ DECK ☐ OTHER Exams/storage

ADDITION/RENOVATION TYPE DETACHED FROM EXISTING STRUCTURE:
☐ DETACHED GARAGE ☐ DETACHED GARAGE WITH PLUMBING ☐ POOL HOUSE ☐ SHOP ☐ BARN
☐ STORAGE SHED ☐ DETACHED PORCH / DECK ☐ OTHER

*The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

Owner's/Agent's Signature _____ Date 11/7/22

A PROPOSED PLOT PLAN (see page 2) is required to be submitted with each application.

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202 OFFICE: 704-336-5103 FAX: 704-336-6894

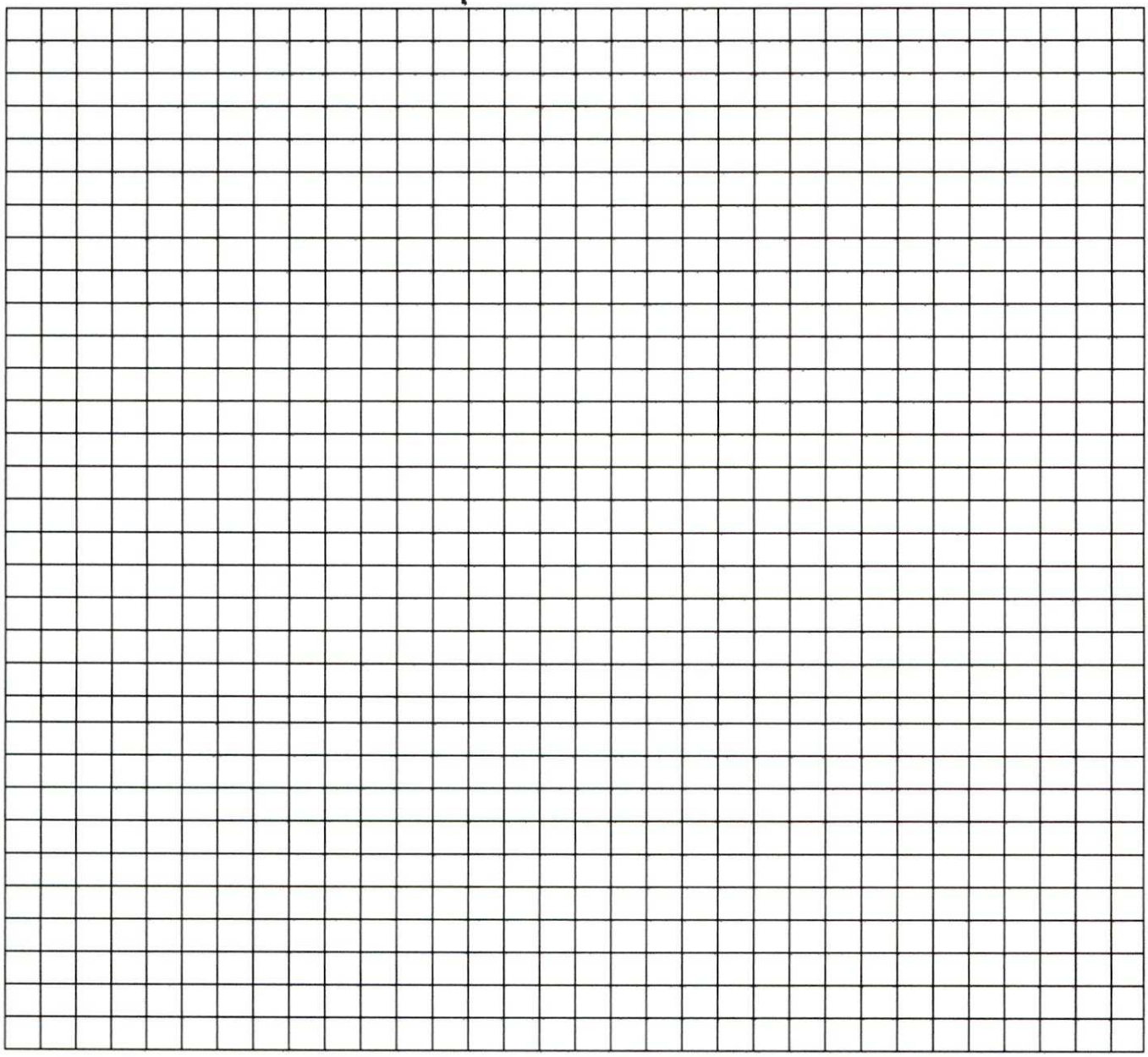
Revised on: 01/03/11

File #: 5935A

PROPOSED PLOT PLAN

A drawing showing the locations of the following items is required: existing and proposed property lines with dimensions, easements or right-of-ways, proposed building pad(s) or existing building footprint(s), all appurtenances (garage, driveway, deck, pool, etc.), location of existing or proposed well(s), location of existing or proposed sewer lines and sewage disposal systems, surface water bodies, and any aboveground or underground storage tanks. Provide names for all roads that adjoin the property.

Street Address: 11226 Mount Holly Rd Tax Parcel #: 03114109



*The undersigned, an authorized agent of the Mecklenburg County Health Department, certifies that the Department has approved the Request for the "Job Location" contained in this document. This approval is granted in accordance with the provisions of Laws and Rules for Sanitary Sewage Collection, Treatment, and Disposal and Water Supply Wells in effect at the time of issuance of the permit and is subject to the following provisions:

- No work shall be conducted on the septic tank system until an installation, construction, alteration and/or repair approval is granted by this Department.
- This permit is not transferable.
- Addition/Renovation approval valid 1 year from issuance date
- Mobile home exchange approval valid 6 months from issuance date

1170 linear feet according to existing records meets requirements. Approved interior renovation

REHS Signature 11/17/22 Date

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

Revised on: 01/03/11

MECKLENBURG COUNTY
Health Department

Raynard Washington, PhD, MPH
Health Director

(704) 336-4700

Addendum to Application for
New Well or Septic System Installation
Abandonment or Repair of Existing Well or Septic System

Your signature below confirms the following:

1. The information on the application is true, complete and accurate
2. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliances with applicable laws and rules.
3. I acknowledge that Thomas Sotomayor is acting as my legal representative (agent) in the submittal of the application for a water supply well or septic permit located at 11226 Mount Holly Rd, Charlotte
   Number Street Town
   (Or Parcel Number)

Mark F Epstein
Property Owner (print name)

Property Owner (signature)

11/7/22
Date

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DHHS
Division of Environmental Health
On-Site Wastewater Section

OPERATION PERMIT for an
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 5935A Permit #: 7754 Tax Parcel #: 031 141 08

Property Owner: PEN, LLP

Job Location Address: 11226 Mount Holly Rd

City: Charlotte State: NC Zip Code: 28214

Operation Permit Issuance Date: 2/19/16 Contractor Name: Robby Ray

Permitted Design Flow: existing GPD Liquid Capacity of Dosing Tank: NA gallons

Liquid Capacity of Septic Tank: existing gallons Manufacture existing Effluent Pump Model: NA

Drainfield Installation ☐ N/A

Trench Depth: 30 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 540 feet

# of Lines: 9 @ 60 feet

Depth of Media: 12 inches (Type) chambers

Depth of Cover: 18 inches

Distribution Device: Drop boxes

Bed Installation *(For Repair Installations ONLY.)* ☒ N/A

Bed Depth: _____ inches

Bed Width: _____ feet

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Depth of Cover: _____ inches

Distribution Device: _____

Water Supply Source

☐ Municipal ☒ Private Well ☐ Community Well

☐ Other _____

System Installation Setbacks

Distance from Building Foundation: 10 feet

Distance from Property Line: 10 feet

Distance from Water Supply Source: >100 feet

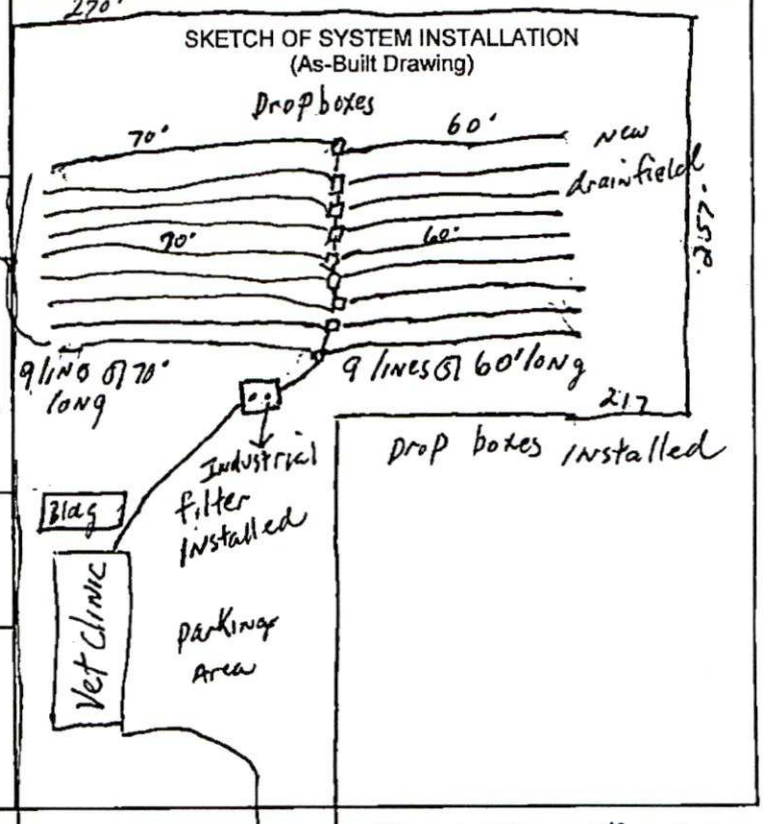
Inspection Dates

Tank(s) Inspected: existing

Excavation Inspected: 2/19/16

Pump & Controls Inspected: NA

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)



The undersigned has inspected the Septic Tank System described above, and certifies it has been ☐ installed ☐ altered ☒ repaired ☒ as detailed in the plot above ☐ in accordance with the permit issued and meets the provisions of 15A NCAC 18A. 1900, "Laws and Rules for Sewage Treatment and Disposal Systems" in effect on the date of issuance of the permit. The issuance of this Operation Permit does not in any way guarantee that the system will operate properly or relieve any person now or hereafter owning, controlling, or using such system from any liability resulting from the failure of the system to operate properly. This document is issued subject to those restrictions and conditions shown on the permit(s) and the provisions of 15A NCAC 18A. 1900 in addition to those listed below under "Comments." This document shall be null and void if any information contained in the application is untrue or if any additions are made to the property which would increase the requirements for said system.

Notice: Disturbance of the designated repair area may result in the Suspension or Revocation of this permit.

Comments: System Classification & Type: IIIg IQ4, G, NA, NA

Commercial filter installed

DENR Authorized Agent: Philo Walker Signature: Philo Walker REHS

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

OPERATION PERMIT for an
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 5935A Permit #: 7754 Tax Parcel #: 031 141 08

Property Owner: PEN, LLP

Job Location Address: 11226 Mount Holly Rd

City: Charlotte State: NC Zip Code: 28214

OPERATION PERMIT CONDITIONS:

I. Performance: System shall perform in accordance with 15A NCAC 18A .1961.

II. Monitoring: System shall be monitored as required by 15A NCAC 18A .1961.

III. Maintenance: Ground absorption sewage treatment and disposal systems shall be checked, and the contents of the septic tank removed, periodically from all compartments, to ensure proper operation of the system. The contents shall be pumped whenever the solids level is found to be more than 1/3 of the liquid depth in any compartment.

IV. Operation: System shall be operated in accordance with 15A NCAC 18A .1961.

System Classification: IIIg

*Operation Permits for Type V and VI systems expire five (5) years from the date of issuance (in accordance with Table V(a)). The system owner must contact GWS six (6) months prior to expiration for permit renewal.

Subsurface system operator required: Yes ☐ No ☒

☐ This type of system requires the system owner to maintain a contract with a certified operator to perform system inspection, maintenance, and reporting as required in 15A NCAC 18A .1961. and Table V(a). The system owner is responsible for all fees associated with these services.

☒ System does not require inspection by GWS on a routine frequency.

☐ System requires inspection by GWS once every five (5) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every three (3) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every twelve (12) months. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every six (6) months. The system owner is responsible for all fees associated with the inspection.

V. Other: Gravity chamber Repair

DENR Authorized Agent: Philo Walker Date: 2/19/16

Signature: Philo Walker REHS

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	11/08/22	**Amount:**	100.00
Receipt #:	138387	**Tendered:**	100.00
Check / Auth #:	VISA 05312G	**Returned:**	0.00
Received By:	PLACILJ		

Account Information

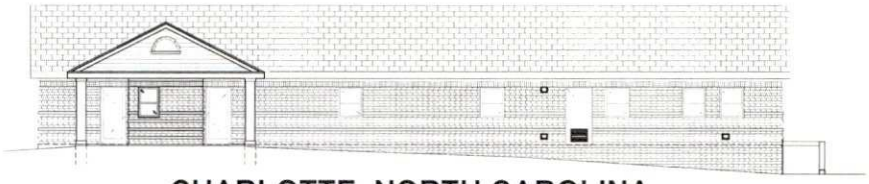
Account #: 200000
Contractor: COLIN CAMPBELL
Attn: BDA ARCHITECTURE
Address:
Address:
City/State/Zip: ,

Item	Description	Permit#	Quantity	Unit Price	Total Price
0705	Use Existing System 11226 MOUNT HOLLY RD		1	100.00	100.00

----------Outstanding Balances----------

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance

TOTAL BOND VETERINARY HOSPITAL AT PAW CREEK



CHARLOTTE, NORTH CAROLINA
KENT REISENAUER

10/18/2022

CONSTRUCTION DOCUMENTS

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A002	GENERAL NOTES - APPENDIX B
A003	GENERAL NOTES - APPENDIX B
A004	LIFE SAFETY PLAN
AS101	ARCHITECTURAL SITE PLAN
AD101	DEMOLITION PLAN
A101	ARCHITECTURAL FLOOR PLAN
A102	DIMENSION FLOOR PLAN
A103	REFLECTED CEILING PLAN
A201	EXTERIOR ELEVATIONS
A202	INTERIOR ELEVATIONS
A203	INTERIOR ELEVATIONS
A401	ENLARGED PLANS
A501	MISC. DETAILS
A505	DOOR & WINDOW DETAILS
A601	DOOR & ROOM FINISH SCHEDULES
P001	SPECIFICATIONS, LEGEND, GENERAL NOTES
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M001	MECHANICAL LEGENDS & GENERAL NOTES
M002	MECHANICAL SPECIFICATIONS
M003	MECHANICAL SCHEDULES
M004	MECHANICAL SCHEDULES
M005	MECHANICAL DETAILS
M100	FLOOR PLAN - DEMOLITION MECHANICAL
M101	FLOOR PLAN - MECHANICAL
M201	ATTIC PLAN - MECHANICAL
E001	ELECTRICAL SPECIFICATIONS
E002	ELECTRICAL SYMBOLS
E003	LIGHTING FIXTURE SCHEDULE
E100	FLOOR PLAN - DEMOLITION
E101	FLOOR PLAN - LIGHTING
E201	FLOOR PLAN - POWER
E301	FLOOR PLAN MECHANICAL & PLUMBING CONNECTIONS
E401	PANEL SCHEDULES
E501	POWER RISER DIAGRAM

BDA Architecture, P.C.
Building Design for Animals, LLC
4712 Admiral Wright Road
Wilmington, NC 28412
Phone: (910) 452-1000
Fax: (910) 452-1111
www.bdaarchitecture.com

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10/18/2022

10/18/2022

TOTAL BOND VETERINARY HOSPITAL AT PAW CREEK
11226 Mt Holly Rd
Charlotte, North Carolina 28214
Kent Reisenauer

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PROJECT NO. 2211

YY2
PROJECT NO. 2211
DRAWN -
DATE 10/18/2022

A001
OF -

GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL STATE AND LOCAL BUILDING CODES AND ORDINANCES.
2. ALL PUBLIC UTILITY TIE INS TO COMPLY WITH LOCAL MUNICIPALITY REQUIREMENTS.
3. CONTRACTOR IS RESPONSIBLE FOR ALL UNDERGROUND UTILITY LOCATIONS AND ASSOCIATED EXCAVATIONS.
4. CONTRACTOR SHALL BECOME FAMILIAR WITH AND EXAMINE THE SITE PRIOR TO PROPOSING OR WORKING ON THE PROJECT. PROPOSING OR WORKING ON THE PROJECT SHALL CONSTITUTE UNDERSTANDING AND ACCEPTANCE OF ALL CONDITIONS.
5. BRACE PARTITIONS TO ROOF STRUCTURE ABOVE AS REQUIRED.
6. ALL EXPOSED WOOD TRIM TO BE STAIN GRADE PINE OR FIR, UNLESS NOTED OTHERWISE.
7. NONBEARING PARTITIONS MAY BE CONSTRUCTED OF 2X4 WD OR OR 3 5/8" 25 GA. METAL STUDS AT CONTRACTORS OPTION.
8. PARTITIONS DESIGNATED AS DEMISING OR SOUND ATTENUATING SHALL BE CONSTRUCTED AS INDICATED. FROM FLOOR TO STRUCTURE WITH CAULKING AT ENTIRE PERIMETER AND ANY PENETRATIONS TIGHTLY SEALED AND CAULKED. INSULATE ENTIRE CAVITY WITH FULL THICKNESS UNFACED BATT INSULATION.
9. GENERAL PARTITIONS SHALL EXTEND TO ABOVE FINISH CEILING.
10. ALL DOOR FRAMES TO RECEIVE SILENCERS.
11. ALL ROOF PENETRATIONS SHALL BE FLASHED BY PROFESSIONAL ROOFER.
12. ALL EXPOSED SURFACES TO BE FINISHED.
13. ALL WALL SURFACES TO BE PRIME PAINTED PRIOR TO FINISH COAT OR WAIC.
14. ALL TRADES SHALL BE RESPONSIBLE FOR WORK IN THEIR RESPECTIVE TRADES REGARDLESS OF WHERE REFERENCES APPEAR. SHOULD ELECTRICAL WORK APPEAR ON AN ARCHITECTURAL DRAWING, THE ELECTRICAL CONTRACTOR WILL BE HELD RESPONSIBLE FOR ITS COMPLETION ETC. ALL CONTRACTORS SHOULD BE THOROUGHLY FAMILIAR WITH ALL PLANS AND SPECIFICATIONS SECTIONS AND THE WORK OF ALL OTHER TRADES TO ASSURE COMPLETE COVERAGE AND SYSTEM INTERFACE.
15. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL BUILDING PERMITS. A BUILDING PERMIT IS REQUIRED. ALL WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE LOCAL AND STATE CODES, ORDINANCES, AND REGULATIONS, GOVERNING THE PARTICULAR CLASS OF WORK INVOLVED. THE BUILDER IS RESPONSIBLE FOR ALL PLAN CHECK AND PERMIT SUBMITTALS, INCLUDING ENERGY CODE COMPLIANCE. THE ARCHITECT WILL FURNISH ALL MECHANICAL AND ELECTRICAL CALCULATIONS FOR THE CONTRACTORS USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL EXECUTION OF THE WORK TO SUIT THESE REQUIREMENTS, ON COMPLETION OF THE WORK, THE CONTRACTOR SHALL OBTAIN AND DELIVER TO THE OWNER, FINAL CERTIFICATES OF ACCEPTANCE AND OCCUPANCY.
16. EXCEPT AS OTHERWISE INDICATED, COMPLY WITH APPLICABLE PROVISIONS OF NEC AND STANDARDS BY NEMA, FOR ELECTRICAL COMPONENTS OF GENERAL WORK. PROVIDE UL LISTED AND LABELED PRODUCTS.

VICINITY MAP

TAKT TO SCALE



REVISIONS	
INITIALS	
	BDA LEVEL 1 REVIEW
	BDA TECHNICAL REVIEW

ISSUANCE		
TECH. NO.	DATE	SUBMITTED

LEGEND:

DETAIL CUT SYMBOL

SECTION CUT SYMBOL

ELEVATION SYMBOL

KEYED NOTE SYMBOL

DOOR NUMBER SYMBOL

WINDOW NUMBER SYMBOL

STANDARD DIMENSION

CLEAR DIMENSION - ALL CLEAR DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH

CASEWORK LEGEND

w d h

CABINET HEIGHT (IN.)
CABINET WIDTH (IN.)
CABINET TYPE

CABINET TYPES

ADA	ACCESSIBLE BASE CABINET (34 IN. HGT.)
B	BASE CABINET (ADJUSTABLE SHELF)
BB	BLIND BASE CABINET
CB	CORNER BASE CABINET
CW	CORNER WALL CABINET
DB	DRAWER BASE CABINET
HOOD	WALL CABINET ABOVE RANGE HOOD
LS	LAZY SUSAN
MW	MICROWAVE WALL CABINET
PB	PRINTER BASE CABINET
RB	RECEPTION BASE (36 IN. HGT.)
RDB	RECEPTION DRAWER BASE (30 IN. HGT.)
SB	SINK BASE
TT	TUB TABLE BASE CABINET
W	WALL CABINET (ADJUSTABLE SHELVES)
WD	WALL CABINET WITH GLAZING (ADJ. SHELVES)
WS	WALL SHELF BOX (OPEN = ADJ. SHELVES)

ABBREVIATIONS:

ADJ	ADJUSTABLE	GSF	GROSS SQUARE FOOT	P LAM	PLASTIC LAMINATE
AFF	ABOVE FINISH FLOOR	GYP BD	GYPSUM BOARD	PCF	PER CUBIC FOOT
ALT	ALTERNATE	HC	HOLLOW CORE OR HANDICAPPED	PGB	PAINTED GYPSUM BOARD
AT	ACOUSTICAL CEILING TILE	HM	HOLLOW METAL	PL	PROPERTY LINE
CAB	CABINET	HT	HEIGHT	PLF	PER LINEAR FOOT
CFM	CUBIC FOOT PER MINUTE	HVAC	HEATING VENTILATING AIR CONDITIONING	PSF	POUNDS PER SQUARE FOOT
CJ	CONTROL JOINT	HW	HOT WATER	PSI	POUNDS PER SQUARE INCH
CL	CENTERLINE	INT	INTERIOR	RD	ROOD DRAIN
CLG	CEILING	JAN	JANITOR	RE	REFER
CLR	CLEAR	MAS	MASONRY	RO	ROUGH OPENING
CMU	CONCRETE MASONRY UNIT	MECH	MECHANICAL	SC	SOLID CORE OR SEALED CONCRETE
CO	CLEAN OUT	MFG	MANUFACTURER	SHT	SHEET
CONT	CONTINUOUS	MH	MANHOLE	SIM	SIMILAR
CW	COLD WATER	MIN	MINIMUM	SPEC	SPECIFICATION
DC	DROP CORD OUTLET	MO	MASONRY OPENING	SS	SANITARY SEWER
DF	DRINKING FOUNTAIN	MT	METAL THRESHOLD	STST	STAINLESS STEEL
DIA	DIAMETER	NIC	NOT IN CONTRACT	STL	STEEL
DTL	DETAIL	NTS	NOT TO SCALE	SQ	SQUARE
DWV	DRAIN WASTE VENT	O2	OXYGEN	TOA	TOP OF ASPHALT
EA WAY	EACH WAY	OC	ON CENTER	TOC	TOP OF CURB/CONCRETE
EWC	ELECTRIC WATER COOLER	OCP	OCCUPANTS	TOP	TOP OF PARAPET
EJ	EXPANSION JOINT	OD	OUTSIDE DIAMETER	TOW	TOP OF WALL
EW	EYEWASH	OFCI	OWNER FURNISHED/CONTRACTOR INSTALLED	TYP	TYPICAL
EXT	EXTERIOR	OFOI	OWNER FURNISHED/OWNER INSTALLED	UNGD	UNDERGROUND
FD	FLOOR DRAIN	OH	OVER HEAD OR OVERHANG	UNO	UNLESS NOTED OTHERWISE
FF	FINISH FLOOR	OR	OPERATING ROOM	VIN	VIEW INTO ILLUMINATOR
FIN FLR	FINISH FLOOR			VTR	VENT THRU ROOF
GA	GAGE			WD	WOOD
GB	GYPSUM BOARD			WP	WATER PROOF/WEATHER PROOF
				WWF	WELDED WIRE FABRIC

CONSULTANTS

MECHANICAL	TEETER ENGINEERING GROUP, P.A.
ELECTRICAL	9998 77 CENTER DRIVE, SUITE 140
PLUMBING	CHARLOTTE, NC 28277 704.376.2666
	tbuss@tegpa.com

PROJECT DATA:

EXISTING BUILDING REMODEL 3,018 SQ. (GIND.)
TOTAL BUILDING AREA 3,018 SQ. (GIND.)

TAX PARCEL # 139-04-760

MUNICIPALITY CHARLOTTE

LEGAL DESCRIPTION 1 TRACT OF L AND CONTAINING 3.00 ACRES, MORE OR LESS, BY AND INCLUDING THE ALL CONTENTS OF SAID TRACT, AND LOT 24 AND THE NORTHEASTERLY 10 FEET OF LOT 23 OF THE PROPERTY OF DEED FOR MAYOLE BURKE COUNTY BY BOOK 31 OF PAGE 356

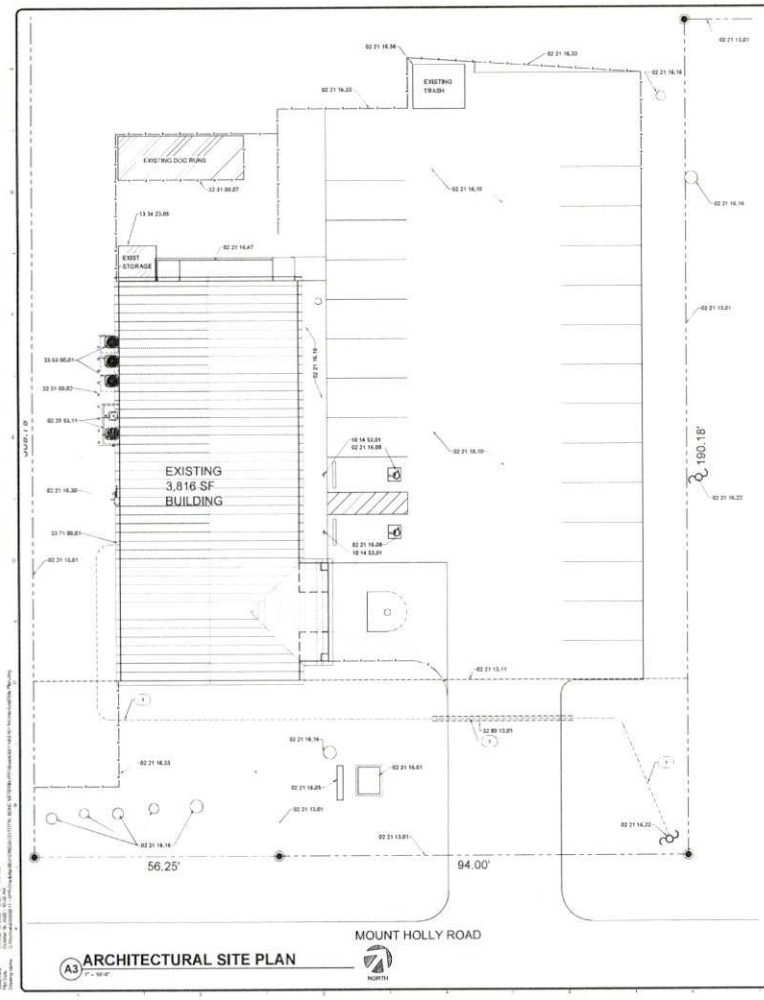
SITE ADDRESS 11226 MT. HOLLY RD. CHARLOTTE, NORTH CAROLINA 28214

CURRENT ZONING BU (GENERAL BUSINESS DISTRICT)

SITE AREA 3.0 ACRES

RELEVANT CODE 2018 NC BC BUILDING CODE
2018 N.C. EXISTING BUILDING CODE
2018 NCEBC ENERGY CONSERVATION CODE
2018 NCBC MECHANICAL CODE
2018 NCBC PLUMBING CODE
2018 NCBC FIRE PREVENTION CODE

BUILDING TYPE VETERINARY CLINIC
OCCUPANCY TYPE B (MIXED GROUP - B)
CONSTRUCTION TYPE TYPE VB
CLASSIFICATION OF WORK ALTERATION 3



A3 ARCHITECTURAL SITE PLAN
1" = 40'-0"

NORTH



B7 ARCHITECTURAL SITE PLAN
1" = 40'-0"

NORTH

GENERAL NOTES

A. **THIS IS NOT A SURVEY.** INFORMATION TAKEN FROM A SURVEY PREPARED BY "STANDARD SURVEYORS, JOHN D. CAMPBELL NLC/PLLS, S-11393", DATED: AUGUST 14, 1998, PROJECT NO. 89-716. REFER TO THAT SURVEY FOR ALL BOUNDARY AND EXISTING CONDITIONS.

SHEET KEYNOTES

1. COORDINATE WITH LOCAL ELECTRICAL SERVICE PROVIDER AND ELECTRICAL SHEETS. CONDUIT RUN AND SLEEVE SHOWN ONLY IF REQUIRED.

REFERENCE KEYNOTES

DIVISION 02 - EXISTING CONDITIONS
02 21 13.01 - PROPERTY LINE
02 21 13.11 - FRONT YARD SETBACK
02 21 16.01 - EXISTING STRUCTURE
02 21 16.05 - EXISTING MONUMENT SIGN
02 21 16.06 - EXISTING ADA ACCESSIBLE PARKING
02 21 16.10 - EXISTING PAVEMENT
02 21 16.15 - EXISTING LANDSCAPING
02 21 16.16 - EXISTING TREE
02 21 16.22 - EXISTING POWER POLE
02 21 16.26 - EXISTING GAS METER
02 21 16.33 - EXISTING FENCE
02 21 16.47 - EXISTING CONCRETE RAMP
02 21 16.58 - EXISTING DUMPSTER
02 25 53.11 - EXISTING MECHANICAL EQUIPMENT

DIVISION 10 - SPECIALTIES
10 14 53.01 - ADA PARKING SIGN

DIVISION 13 - SPECIAL CONSTRUCTION
13 34 23.05 - STORAGE SHED

DIVISION 23 - HEATING VENTILATING AND AIR CONDITIONING
23 43 00.01 - CONDENSOR UNIT - SEE MECHANICAL

DIVISION 32 - EXTERIOR IMPROVEMENTS
32 31 00.02 - FENCED ENCLOSURE
32 31 00.07 - EXTERIOR RUNS
32 80 13.01 - 4" PVC SCH 40 MAINLINE SLEEVE

DIVISION 33 - UTILITIES
33 71 00.01 - ELECTRICAL METER LOCATION - VERIFY WITH UTILITY BEFORE INSTALL

BDA Architecture, P.C.
A Division of BDA Architects, LLC
201 Landmarc Pl, STE 100
Cary, North Carolina 27513
Phone: (919) 535-4100
Fax: (919) 535-4101
Email: info@bdarch.com

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10/18/2022

TOTAL BOND VETERINARY HOSPITAL AT PAW CREEK
11226 Mt Holly Rd
Charlotte, North Carolina 28214
Kent Reisenauer

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ARCHITECTURAL SITE PLAN

REVISION	DATE	COMMENTS
REVISION	-	-
REVISION	-	-
REVISION	-	-
REVISION	-	-

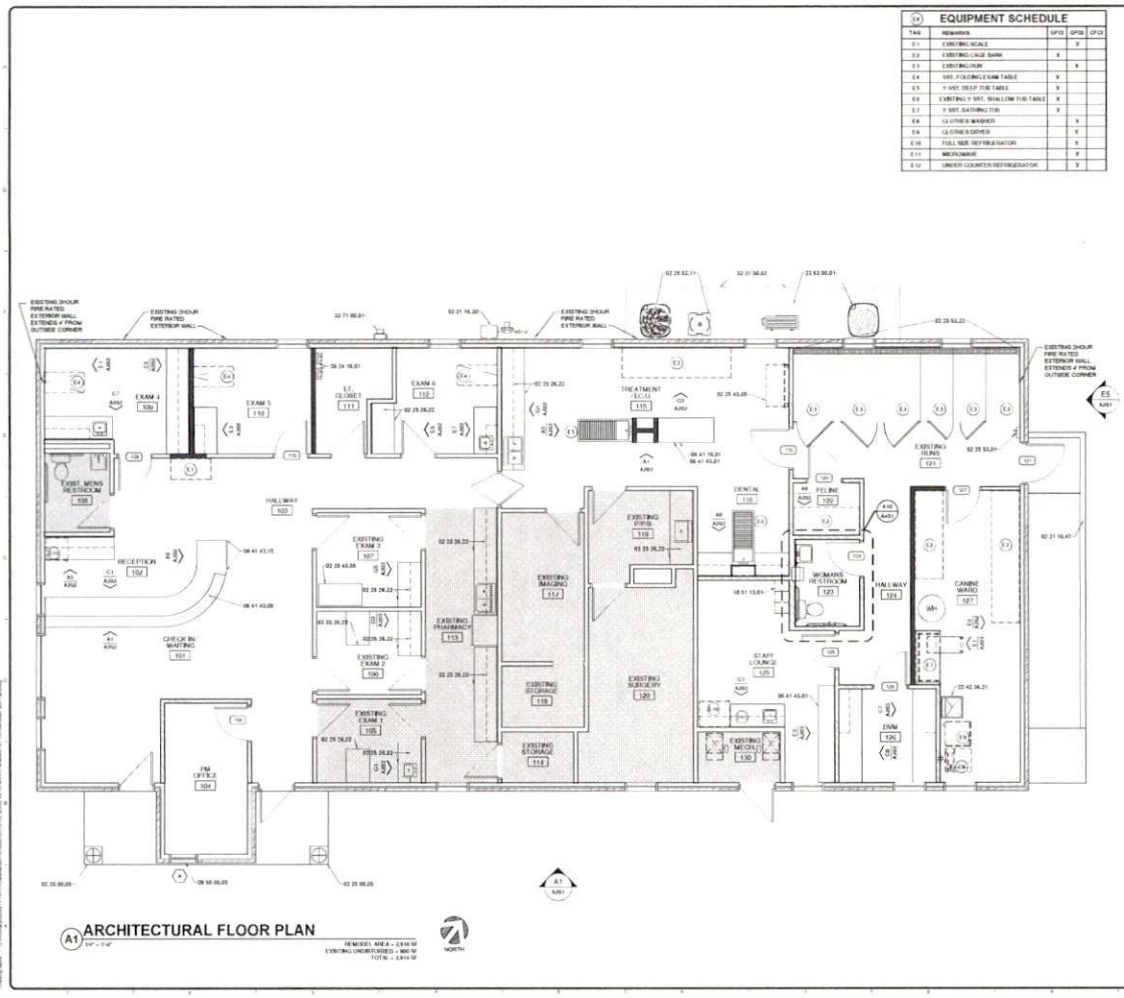
ISSUE

INITIALS	
-	BDA DESIGN REVIEW
-	BDA TECH REVIEW

VPP
PROJECT INFO. 2211
DRAWN -
DATE 10/18/2022

AS101

- OF -



A1 ARCHITECTURAL FLOOR PLAN

1/4" = 1'-0"

REMODEL AREA = 2,510 SF
EXISTING UNDISTURBED = 900 SF
TOTAL = 3,514 SF

NORTH

EQUIPMENT SCHEDULE

TAG	REMARKS	OFCI	OFSI	CFCI
E.1	EXISTING SCALE			Y
E.2	EXISTING CAGE BANK	X		
E.3	EXISTING RUN			X
E.4	5X5', FOLDING EXAM TABLE	Y		
E.5	5' X 5X5', DEEP TUB TABLE	Y		
E.6	EXISTING 5' X 5X5', SHALLOW TUB TABLE	X		
E.7	5' X 5X5', BATHING TUB	X		
E.8	CLOTHES WASHER			X
E.9	CLOTHES DRYER			Y
E.10	FULL SIZE REFRIGERATOR			Y
E.11	MICROWAVE			Y
E.12	UNDER COUNTER REFRIGERATOR			Y

GENERAL NOTES

A. ALL INTERIOR WALLS TO BE WALL TYPE WT1 U.N.O.

B. ALL CASEWORK TO HAVE PLASTIC LAMINATE FINISH, U.N.O.

C. ALL EXPOSED COUNTERTOP CORNERS TO HAVE 2" RADIUS.

D. ALL EXPOSED COUNTERTOPS TO BE FACED WITH PVC EDGEBANDING.

E. ALL RUN AND CASE BANK DIMENSIONS TO BE VERIFIED BEFORE INSTALLATION.

F. GROMMET LOCATIONS IN COUNTERTOPS TO BE VERIFIED WITH OWNER.

G. PROVIDE BLOCKING IN WALL FOR ALL WALL MOUNTED EQUIPMENT.

H. ALL EXPOSED OUTSIDE CORNERS OF INTERIOR WALLS SHALL HAVE CORNER GUARDS.

I. AT ALL VERTICAL TILE APPLICATIONS, INSTALL 'SCHLUTER' STRIPS ON OUTSIDE CORNERS.

REFERENCE KEYNOTES

DIVISION 02 - EXISTING CONDITIONS
02 21 16.20 - EXISTING GAS METER
02 21 16.47 - EXISTING CONCRETE RAMP
02 25 00.25 - EXISTING COLUMN
02 25 26.22 - EXISTING CASEWORK TO REMAIN
02 25 43.08 - EXISTING LIFT EQUIPMENT
02 25 53.01 - EXISTING PLUMBING FIXTURE
02 25 53.11 - EXISTING MECHANICAL EQUIPMENT
02 25 53.23 - EXISTING TRENCH DRAIN

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES
06 41 16.01 - PLASTIC LAMINATE BASE CABINET
06 41 43.01 - PLASTIC LAMINATE COUNTERTOP
06 41 43.08 - 42" HIGH COUNTERTOP
06 41 43.15 - ADA TRANSACTION COUNTERTOP

DIVISION 08 - OPENINGS
08 56 56.05 - NEW WINDOW TO MATCH EXISTING

DIVISION 10 - SPECIALTIES
10 51 13.01 - METAL LOCKERS - N.I.C.

DIVISION 22 - PLUMBING
22 42 34.21 - MOP SINK

DIVISION 23 - HEATING VENTILATING AND AIR CONDITIONING
23 63 00.01 - CONDENSOR UNIT - SEE MECHANICAL

DIVISION 26 - ELECTRICAL
26 24 16.01 - ELECTRIC PANEL

DIVISION 32 - EXTERIOR IMPROVEMENTS
32 31 00.02 - FENCED ENCLOSURE

DIVISION 33 - UTILITIES
33 71 00.01 - ELECTRICAL METER LOCATION - VERIFY WITH UTILITY BEFORE INSTALL

LEGEND

NEW INTERIOR 3x6 STUD PARTITION
NEW INTERIOR ACOUSTICAL 2X6 STUD PARTITION
EXISTING EXTERIOR 2x6 METAL STUD WALL W/BRICK VENEER
EXISTING 2x STUD PARTITION
EXISTING CMU BRICK RUN WALL
NEW DOOR
EXISTING DOOR

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10/18/2022

TOTAL BOND VETERINARY HOSPITAL AT PAW CREEK
11226 Mt Holly Rd
Charlotte, North Carolina 28214
Kent Reisenauer
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ARCHITECTURAL FLOOR PLAN

ISSUE	DATE	COMMENTS
DD REVIEW		
CD REVIEW		
CD REVIEW		
PERMIT		

REVISIONS	
-	BDA DSGN. REV.
-	BDA TECH REV.

VPP
PROJECT NO. 2111
DRAWN
DATE 10/18/2022

A101
OF

PLUMBING SPECIFICATIONS

01 GENERAL CONDITIONS

GENERAL AND SPECIAL CONDITIONS ARE HEREBY MADE AN INTEGRAL PART OF THIS DIVISION OF THE SPECIFICATIONS IN THAT THEY ARE APPLICABLE TO THE WORK UNDER THIS DIVISION UNLESS OTHERWISE NOTED.

PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED FOR THE COMPLETION AND OPERATION OF ALL SYSTEMS IN THIS SECTION OF WORK IN ACCORDANCE WITH ALL APPLICABLE CODES.

PERMITS: APPLY FOR AND PAY FOR ALL NECESSARY PERMITS, FEES, AND INSPECTIONS REQUIRED BY ANY PUBLIC AUTHORITY HAVING JURISDICTION. ACREAGE CHARGES, BOND PROPERTY ASSESSMENTS AND FACILITIES CHARGE ARE NOT TO BE CONSTRUED TO BE A PART OF THIS CONTRACT.

WARRANTY: PROVIDE ALL MATERIALS AND EQUIPMENT UNDER THIS SECTION OF THE SPECIFICATIONS WITH A ONE YEAR WARRANTY FROM THE DATE OF ACCEPTANCE OF WORK BY THE OWNER.

THE CONTRACTOR SHALL TIE INTO CW, PROVIDED TAP AS INDICATED ON PLANS. ALL COSTS FOR THIS SERVICE SHALL BE PART OF HIS BID CONTRACT PRICE.

PROTECT COPPER PIPING AGAINST CONTACT WITH DISSIMILAR METALS. ALL HANGERS, SUPPORTS, ANCHORS, AND CLIPS SHALL BE COPPER OR COPPER PLATED.

PROTECT COPPER PIPING AGAINST CONTACT WITH ALL MASONRY. WHERE COPPER IS SLEEVED THROUGH MASONRY, PROVIDE COPPER OR RED BRASS SLEEVES.

MAKE SURE PROVISIONS ARE INSTALLED IN ALL PIPING SO NO STRAIN OR BREAKAGE RESULTS FROM EXPANSION OR CONTRACTION.

INSTALL WATER PIPING IN EXTERIOR WALLS ON THE CONDITIONED SIDE OF THE WALL INSULATION.

PITCH ALL WATER PIPES SO THAT ALL PARTS MAY BE DRAINED. THE FORMATION OF SAGS AND TRAPS SHALL BE AVOIDED.

PROVIDE SHOCK ARRESTORS WHERE SHOWN ON PLANS FOR THE COMPLETE ELIMINATION OF WATER HAMMER.

STERILIZE DOMESTIC WATER PIPING IN ACCORDANCE WITH THE AMERICAN WATER WORKS ASSOCIATION'S SPECIFICATIONS AND LOCAL HEALTH DEPARTMENT REGULATIONS.

SANITARY PIPING: 2.5" OR LESS SHALL BE SLOPED AT 1/4" PER FOOT. SANITARY PIPING 3" OR LARGER SHALL BE SLOPED AT 1/8" PER FOOT, UNLESS OTHERWISE REQUIRED BY CODE OR NOTED.

WHERE WASTE PIPING IS EXPOSED IN REST ROOM AREAS, PROVIDE CHROME PLATED BRASS PIPING, WITH MATCHING STOPS AND ESCUTCHEONS.

PROVIDE REMOVABLE TRAPS WITH INTERNAL CLEAN-OUT PLUG FOR ALL LAVATORIES. INSTALL CLEAN-OUTS IN A LOCATION THAT PERMITS ACCESS FOR SERVICE WITHOUT DAMAGE TO THE BUILDING OR FINISHED MATERIALS.

INSTALL CLEAN-OUTS IN A LOCATION THAT PERMITS ACCESS FOR SERVICE WITHOUT DAMAGE TO THE BUILDING OR FINISHED MATERIALS.

02 MATERIALS AND EQUIPMENT

ALL NEW WORK SHALL BE OF MATERIALS LISTED BELOW OR SHALL MATCH EXISTING. IF A CONFLICT EXISTS BETWEEN MATERIALS AND/OR EQUIPMENT, THE MORE STRINGENT SHALL APPLY AS ADJUDGED BY THE ARCHITECT/ENGINEER. THE CONTRACTOR SHALL FIELD VERIFY MATERIAL TYPE AND EQUIPMENT.

A. SANITARY SEWER PIPE AND FITTINGS - BELOW GRADE:
SCHEDULE 40 PVC DWV PIPE, (ASTM D1784 – 02b&03), PVC SOCKET FITTINGS AND SOLVENT CEMENTED FITTINGS. (ASTM D2665)

B. SANITARY SEWER/VENT PIPE AND FITTINGS – ABOVE GRADE:
SCHEDULE 40 PVC DWV PIPE, (ASTM D1784 – 02b&03), PVC SOCKET FITTINGS AND SOLVENT CEMENTED FITTINGS. (ASTM D2665)

C. DOMESTIC WATER PIPING BELOW GRADE:
2" AND BELOW:
CROSSLINKED POLYETHYLENE (PEX a) BY WIRSBO ADAPEX (ASTM F876 AND ASTM F877) WITH PEX-A COLD EXPANSION FITTINGS, PROPEX INSERT WITH CORRESPONDING PROPEX RING. (ASTM F1960)
MINIMUM BEND RADIUS (COLD BENDING): NO LESS THAN SIX TIMES THE OUTSIDE DIAMETER. USE A BEND SUPPORT AS SUPPLIED BY THE PEX TUBING MANUFACTURER FOR TUBING WITH A BEND RADIUS LESS THAN STATED. MANIFOLDS: UPONOR PROPEX I OR UPONOR ENGINEERED PLASTIC (EP) MANIFOLDS. ALL MANIFOLDS MANUFACTURED WITH THE APPROPRIATE SIZED PROPEX FITTINGS.
PROVIDE RED PEX PIPE FOR HOT WATER, BLUE PEX PIPE FOR COLD WATER SYSTEMS.

D. DOMESTIC WATER PIPING AND JOINTS ABOVE GRADE:
2" AND BELOW:
CROSSLINKED POLYETHYLENE (PEX a) BY WIRSBO ADAPEX (ASTM F876 AND ASTM F877) WITH PEX-A COLD EXPANSION FITTINGS, PROPEX INSERT WITH CORRESPONDING PROPEX RING. (ASTM F1960)
MINIMUM BEND RADIUS (COLD BENDING): NO LESS THAN SIX TIMES THE OUTSIDE DIAMETER. USE A BEND SUPPORT AS SUPPLIED BY THE PEX TUBING MANUFACTURER FOR TUBING WITH A BEND RADIUS LESS THAN STATED.
MANIFOLDS: UPONOR PROPEX I OR UPONOR ENGINEERED PLASTIC (EP) MANIFOLDS. ALL MANIFOLDS MANUFACTURED WITH THE APPROPRIATE SIZED PROPEX FITTINGS.
PROVIDE RED PEX PIPE FOR HOT WATER, BLUE PEX PIPE FOR COLD WATER SYSTEMS.

03 INSULATION

INSULATE DOMESTIC WATER PIPING ABOVE GRADE (EXCEPT EXPOSED CONNECTIONS TO PLUMBING FIXTURES) WITH PREFORMED FIBERGLASS OR ENGINEERED POLYMER FOAM INSULATION. FOLLOW THIS SCHEDULE:

SERVICE	PIPE SIZE	THICKNESS
DOMESTIC HOT WATER (105 –140 F)	ALL	1"
DOMESTIC HOT WATER RETURN	ALL	1"
DOMESTIC COLD WATER	ALL	1/2

PIPING INSULATION, JACKETS, COVERINGS, SEALERS, MASTICS AND ADHESIVES ARE REQUIRED TO MEET A FLAME-SPREAD RATING OF 25 OR LESS AND A SMOKE-DEVELOPED RATING OF 50 OR LESS, AS TESTED BY (ASTM E84/NFPA 255/UL 723).
INSULATE HORIZONTAL STORM DRAIN PIPING ABOVE GRADE AND ROOF DRAIN BODIES WITH 1.5" PREFORMED FIBERGLASS OR ENGINEERED POLYMER FOAM INSULATION.

04 VALVES

SHUT OFF VALVES: BRASS/BRONZE, BALL TYPE, FULL PORT, TWO-PIECE, 125 PSI WORKING PRESSURE, NSF 61 APPROVED.
CHECK VALVES: BRASS/BRONZE, SWING TYPE, 125 PSI WORKING PRESSURE, NSF 61 APPROVED.
INSTALL IN A LOCATION THAT PERMITS ACCESS FOR SERVICE WITHOUT DAMAGE TO THE BUILDING OR FINISHED MATERIALS. PROVIDE ACCESS DOORS IF REQUIRED.

05 TESTS

ALL SOIL, WASTE, VENT AND WATER PIPING SHALL BE TESTED BY THE CONTRACTOR IN THE PRESENCE OF THE PLUMBING INSPECTOR AND SHALL BE APPROVED BY THE ENGINEER BEFORE ACCEPTANCE. ALL PIPING LOCATED UNDERGROUND OR CONCEALED IN BUILDING CONSTRUCTION SHALL BE TESTED BEFORE BACKFILLING OR CONCEALING PIPE. ALL TESTS REQUIRED FOR EQUIPMENT SHALL BE FURNISHED BY THE CONTRACTOR WITHOUT ADDITIONAL CHARGE TO THE OWNER.

PLUMBING LEGEND

NEW WORK

- DOMESTIC COLD WATER
- DOMESTIC EXISTING COLD WATER
- DOMESTIC 120° WATER
- DOMESTIC EXISTING 120° WATER
- DOMESTIC 120° WATER RETURN
- DOMESTIC EXISTING 120° WATER RETURN
- DOMESTIC 140° WATER
- DOMESTIC 140° WATER RETURN
- FILTERED WATER
- SANITARY
- EXISTING SANITARY
- SANITARY VENT
- EXISTING SANITARY VENT
- STORM DRAIN (ABOVE SLAB)
- OVERFLOW STORM DRAIN (ABOVE SLAB)
- STORM DRAIN (BELOW SLAB OR GRADE)
- EXISTING STORM DRAIN (BELOW SLAB OR GRADE)
- CONDENSATE
- DRAIN
- PUMPED DISCHARGE
- COMPRESSED AIR
- NATURAL GAS
- OXYGEN
- ANESTHESIA EVACUATION
- SURGICAL SUCTION (MEDICAL VACUUM)
- NITROGEN
- PIPE TURNING DOWN
- PIPE TURNING UP
- PIPE CAP
- FIXTURE SUPPLY WITH SHUT-OFF
- SHUT-OFF VALVE
- CHECK VALVE
- EXPANSION VALVE
- BALANCING VALVE
- GAS COCK AND GAS REGULATOR
- PRESSURE REDUCING/REGULATING VALVE
- STRAINER
- UNION
- SAFETY OR RELIEF VALVE
- SOLENOID VALVE
- DEAY VALVE
- FLOOR DRAIN
- HUB DRAIN
- FLOOR SINK
- TRENCH DRAIN
- ROOF DRAIN
- OVERFLOW ROOF DRAIN
- FLOOR CLEANOUT
- END-OF-LINE CLEANOUT
- WALL CLEANOUT
- PRESSURE GAGE
- THERMOMETER
- SHOCK ARRESTER (SUFFIX INDICATES PDI SIZE)
- BACKFLOW PREVENTER (REDUCED PRESSURE)
- BACKFLOW PREVENTER (DOUBLE CHECK)
- METER (GAS OR WATER)
- PUMP
- FREEZE PROOF WALL HYDRANT
- FREEZE PROOF WALL HYDRANT BOX
- HOSE BIB
- TRAP PRIMER
- FLOW SWITCH - FS@
- DIRECTION OF FLOW
- EXPANSION JOINT
- PIPE ANCHOR
- PIPE SLEEVE
- FLEXIBLE CONNECTION
- REVISION NOTES
- POINT OF CONNECTION NEW TO EXISTING
- DOMESTIC WATER RISER DESIGNATION
- WASTE RISER DESIGNATION
- SECTION OR DETAIL NO. SECTION OR DETAIL LOCATED ON THIS SHT.

ABBREVIATIONS

AAV	AIR ADMITTANCE VALVE
AC	ABOVE CEILING
ADB	AUXILIARY DRAIN BOX
AFF	ABOVE FINISH FLOOR
BF-1	BACKFLOW PREVENTER
BFF	BELOW FINISH FLOOR
BG	BELOW GRADE
BTUH	BRITISH THERMAL UNIT/HOUR
BW	BOTTLE WASH
BS-1	BREAK ROOM SINK
BV	BALANCING VALVE
C	CENTER LINE
C-1	WATER COOLER/FOUNTAIN
CA	COMPRESSED AIR
CB-1	CATCH BASIN
CO	CLEANOUT
CV	CHECK VALVE
CW	COLD WATER
DC	DOWNSPOUT COVER
DF	DRINKING
DW	DISHWASHER
EC	ELECTRICAL CONTRACTOR
ECO	EXISTING CLEANOUT
ES	EMERGENCY SHOWER/EYEWASH
EX-1	THERMAL EXPANSION TANK
EW	EMERGENCY EYEWASH
EX	EXISTING
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FPH	FREEZE PROOF HYDRANT
FS	FLOW SWITCH
G	NATURAL GAS
GC	GENERAL CONTRACTOR
GCO	GRADE CLEANOUT
GI	GREASE INTERCEPTOR
GW	GREASE WASTE SANITARY
HB	HOSE BIBB
HCP	HANDICAP
HW	HOT WATER
HWR	HOT WATER RETURN
INV	INVERT ELEVATION
MB	MOP SERVICE BOX
MW	MEDICAL WASTE
L-1	LAVATORY
MBH	MILLION BTU
MC	MECHANICAL CONTRACTOR
MS-1	MOP SINK
N	NITROGEN
NIC	NOT IN CONTRACT
PC	PLUMBING CONTRACTOR
OD	OVERFLOW ROOF DRAIN
OR	OVERFLOW ROOF LEADER
PW	PURIFIED WATER
OWS	OIL WASTE SEPARATOR
RCP-1	RECIRCULATION PUMP
RD	ROOF DRAIN
RL	ROOF LEADER
S-1	SINK
SA	SHOCK ARRESTOR
SS	SANITARY
SH-1	SHOWER
SD-1	FLOOR DRAIN
TD-1	TRENCH DRAIN
TP	TRAP PRIMER
TMP	TEMPERATURE AND PRESSURE
TW	TEMPERED WATER
TYP	TYPICAL
U-1	URINAL
V	VENT
VB	VACUUM BREAKER
VLV	VALVE
VS	VENT STACK
W	WASTE LINE
WTR	WEST THIRD ROOF
W-1	WATER CLOSET
WCO	WALL CLEANOUT
WH-1	WATER HEATER
WP	WASTE PIPE
WS	WASTE STACK

06 SEISMIC REQUIREMENTS

PROPERLY SUPPORT AND BRACE VERTICALLY AND HORIZONTALLY ALL PIPING, APPARATUS, EQUIPMENT, ETC. IN ACCORDANCE WITH APPLICABLE CODES TO PREVENT EXCESSIVE MOVEMENT DURING SEISMIC CONDITIONS.

07 GUARANTEE

THE CONTRACTOR SHALL GUARANTEE THE COMPLETE PLUMBING SYSTEM AGAINST DEFECTS DUE TO FAULTY MATERIAL, WORKMANSHIP OR FAILURE DUE TO NEGLIGENCE OF THE CONTRACTOR. THIS GUARANTEE SHALL EXTEND 12 MONTHS FROM DATE OF FINAL ACCEPTANCE. ALL SERVICE CALLS DURING THIS PERIOD SHALL BE PROVIDED BY THE CONTRACTOR.

PLUMBING NOTES

1. ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE 2018 NORTH CAROLINA PLUMBING CODE AND THE NATIONAL FIRE CODES WHICH APPLY.
2. ALL PLUMBING PIPING SHALL BE CLOSELY COORDINATED WITH STRUCTURAL SYSTEM, MECHANICAL SYSTEM AND ELECTRICAL SYSTEM TO INSURE PROPER COMPLIANCE WITH CODES AND INSURE THAT ALL TRADES WILL NOT CONFLICT WITH EACH OTHER.
3. IF ANY SUBSTITUTED EQUIPMENT IS SUBMITTED AND APPROVED WITH PLUMBING CONNECTIONS OTHER THAN THAT SHOWN ON THE DRAWINGS AND SCHEDULES, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE PROPER PLUMBING CONNECTIONS TO THIS EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.
4. DO NOT SCALE DRAWINGS, REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DOORS, WINDOWS, WALLS, FIXTURES, ETC.
5. ALL CLEANOUTS SHALL HAVE TOPS ESPECIALLY DESIGNED FOR SPECIFIC FLOOR FINISHES SUCH AS CARPET, TILE, ETC. UNLESS OTHERWISE SHOWN.
6. ALL FLOOR CLEANOUT, FLOOR DRAIN AND CATCH BASIN TOPS SHALL BE COVERED DURING CONSTRUCTION TO PREVENT DAMAGE.
7. VENTS WILL BE COLLECTED ABOVE THE CEILING AND EXTENDED THROUGH THE ROOF AT AS FEW POINTS AS POSSIBLE. VENT PENETRATIONS SHALL AVOID MECHANICAL EQUIPMENT INTAKE AIR LOCATIONS PER CODE REQUIREMENTS.
8. EXCEPT WHERE PIPE SPACE IS PROVIDED OR UNLESS OTHERWISE NOTED, ALL SUPPLY, WASTE AND VENT RISERS SHALL BE RUN IN WALLS AND PARTITIONS.
9. PROVIDE ACCESS PANELS AS REQUIRED AT VALVE LOCATIONS TO PROVIDE ACCESS TO CONTROL VALVES, COORDINATE TYPE AND LOCATION WITH GENERAL CONTRACTOR.
10. PROVIDE FOR ACCESS TO ALL EQUIPMENT REQUIRING CLEANING OR ADJUSTMENT.
11. P.C. SHALL PROVIDE A PRESSURE REDUCING VALVE WHERE WATER MAIN ENTERS BUILDING IF PRESSURE EXCEEDS 80 PSI. SET PRV @ 75 PSI.

PLUMBING DRAWING SCHEDULE

DRAWING NUMBER	DESCRIPTION
P001	PLUMBING SPECIFICATIONS, LEGEND, GENERAL NOTES
P002	PLUMBING SCHEDULES AND DETAILS
P101	FLOOR PLAN – SEWER/NON WASTE
P102	FLOOR PLAN – SEWER/NON WATER
P201	FLOOR PLAN – WASTE
P202	FLOOR PLAN – WATER

PIPE LABEL LEGEND

PLAN DESIGNATION	PIPE LABEL
CW	DOMESTIC WATER
HW	DOMESTIC HOT WATER
HWR	DOMESTIC HOT WATER RETURN
SS	SANITARY SEWER
SV	SANITARY VENT

NOTES:
ALL PIPING WITH THE DESIGNATIONS ABOVE WILL BE LABELED PER ANSI/ASME A13.1
NON-POTABLE SYSTEMS WILL BE LABELED PER PVC SECTION 09915

1 FIRE STOP DETAIL — SCALE: NONE

2 FIRE STOP DETAIL — SCALE: NONE

3 FIRE STOP DETAIL — SCALE: NONE

4 FIRE STOP DETAIL — SCALE: NONE

TEG
TESTER ENGINEERING GROUP, P.A.
NORTH CAROLINA COA # 2298

TOTAL BOND VETERINARY HOSPITAL AT PAW CREEK
11226 Mt Holly Rd
Charlotte, North Carolina 28214
Kent Reisenauer

SPECIFICATIONS, LEGEND, GENERAL NOTES

REVISIONS	DATE	COMMENTS
REVISION 1		
REVISION 2		
REVISION 3		
REVISION 4		

ISSUANCE	
INITIALS	

TEG
PROJECT NO.: 22049
DRAWN: WRB
DATE: 10/14/22

P001
1 OF 6

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE TYPE	DESCRIPTION	SERVICE CONNECTIONS				REMARKS
			SAN	VENT	HW	CW	
W-1	BARRIER-FREE WATER CLOSET TANK-TYPE	WATER CLOSET SHALL BE EQUAL TO AMERICAN STANDARD "CADET PRO" MODEL #2184A.104.020, WHITE, VITREOUS CHINA, ELONGATED BOWL, TANK TYPE, 1.28 GPF, FLOOR MOUNTED, BOTTOM OUTLET, 12" ROUGH-IN, SEAT SHALL BE EQUAL TO CHURCH MODEL #9500SSCT, ELONGATED WHITE, OPEN FRONT SEAT LESS COVER, WATER CLOSET SHALL BE PROVIDED WITH CHROME PLATED SUPPLY WITH LOOSE KEY STOP EQUAL TO McGUIRE #173.	3"	2"	-	1/2"	FIXTURE RIM TO FINISHED FLOOR MOUNTING HEIGHT SHALL BE 17" LOCATE FLUSH LEVER ON WIDE SIDE OF STALL.
L-1	BARRIER-FREE LAVATORY WALL HUNG	LAVATORY SHALL BE EQUAL TO AMERICAN STANDARD "LUCERNE" MODEL #0355.0.020, WITREOUS CHINA, WALL HUNG, PROVIDE FAUCET EQUAL TO TO DELTA MODEL #2551LH CENTERSET FAUCET WITH LEVER HANDLES, PROVIDE LAVATORY COMPLETE WITH GRID DRAIN, PREWRAPPED INSULATED, CAST BRASS, OFFSET TAILPIECE AND P-TRAP WITH CLEANOUT EQUAL TO McGUIRE #LP8E539CWC AND CHROME PLATED SUPPLIES EQUAL TO McGUIRE #170.	2"	1 1/2"	1/2"	1/2"	PROVIDE ADA# 1070 MIXING VALVE, MILL AT EACH FIXTURE, SET TEMP TO 110°F.
S-1	EXAM SINK	SINK SHALL BE EQUAL TO DAYTON MODEL #2DTD1020, SINGLE BOWL, 18 GAUGE TYPE 304 STAINLESS STEEL, PROVIDE FAUCET EQUAL TO ZURN MODEL #Z872CH-XL, DUAL LEVER HANDLES, WANDAL RESISTANT AERATOR, PROVIDE SINK COMPLETE WITH ONE STAINLESS STEEL BASKET STRAINER AND TAILPIECE (EQUAL TO McGUIRE #151A), CHROME PLATED 1224—CAST BRASS P—TRAP (EQUAL TO McGUIRE #8802), AND CHROME PLATED SUPPLIES WITH LOOSE KEY STOPS (EQUAL TO McGUIRE #175LK).	2"	1 1/2"	1/2"	1/2"	
S-2	BREAK SINK (ADA)	SINK SHALL BE EQUAL TO ELKAY MODEL #LRAD2522RS, SINGLE BOWL, 18 GAUGE TYPE 304 STAINLESS STEEL, PROVIDE FAUCET EQUAL TO ZURN MODEL #Z872CH-XL, DUAL LEVER HANDLES, WANDAL RESISTANT AERATOR, PROVIDE SINK COMPLETE WITH ONE STAINLESS STEEL BASKET STRAINER, OFFSET TAILPIECE AND P—TRAP WITH CLEANOUT (EQUAL TO McGUIRE #PB1102WC) AND CHROME PLATED SUPPLIES WITH LOOSE KEY STOPS (EQUAL TO McGUIRE #175LK).	2"	1 1/2"	1/2"	1/2"	
T-1	GROOMING TUB	TUB AND FAUCET SHALL BE OWNER FURNISHED AND CONTRACTOR INSTALLED, PROVIDE VACUUM BREAKER AND HAIR INTERCEPTOR, PROVIDE TUB COMPLETE WITH STAINLESS STEEL FLEXIBLE RISERS, ANGLE STOPS AND P—TRAP.	2"	1 1/2"	1/2"	1/2"	
T-2	TABLE TUB UNIT	TABLE AND FAUCET SHALL BE OWNER FURNISHED AND CONTRACTOR INSTALLED, PROVIDE VACUUM BREAKER AND HAIR INTERCEPTOR, PROVIDE TUB COMPLETE WITH STAINLESS STEEL FLEXIBLE RISERS, ANGLE STOPS AND P—TRAP.	2"	1 1/2"	1/2"	1/2"	
HI	HAIR INTERCEPTOR	HAIR INTERCEPTOR SHALL BE MARBLE PRODUCTS, CATCH—ALL HAIR TRAP IN LIEU OF FIXTURE TRAP, WITH REMOVABLE PERFORATED SCREEN, 1—1/2" THREADED INLET AND OUTLET.	1 1/2"	-	-	-	
MS-1	MOP SINK	SINK SHALL BE EQUAL TO FIAT MODEL #MSR24ADA, 24"x24"x12", MOLDED STONE, PROVIDE FAUCET EQUAL TO FIAT MODEL #MSR-4A, INTEGRAL STOPS, VACUUM BREAKER, PAIL HOOK, THREADED SPOUT AND LEVER HANDLES, PROVIDE SINK COMPLETE WITH MOP HANGER, HOSE WITH BRACKET, AND P—TRAP.	3"	1 1/2"	3/4"	3/4"	PROVIDE CHECK VALVE STOPS ON HW & CW SUPPLIES WITH ACCESS DOOR ABOVE FAUCET.
IMB	ICE MACHINE BOX	ICE MACHINE BOX SHALL BE EQUAL TO GUY GRAY MODEL #TRB-12 FIRE RATED.	-	-	-	1/2"	W/ VACUUM BREAKER
WMB	WASHING MACHINE BOX	WASHING MACHINE BOX SHALL BE GUY GRAY MODEL #GBA-TO, 1/4 TURN 1/2"HW AND 1/2"CW MIP 3 SWEAT VALVES WITH MOUNTED WATER HAMMER ARRESTORS, AND WASHER BOX FABRICATED OF MOLDED PLASTIC.	2"	1 1/2"	1/2"	1/2"	W/ VACUUM BREAKER AND SAF.
FD	FLOOR DRAIN	FLOOR DRAIN SHALL BE SIOUX CHIEF MODEL #832—3SPNRL PVC BODY, MODEL BRONZE STRAINER ASSEMBLY, HANDLE, SECRET-KEY STRAINER SCREWS, DEEP SEAL P—TRAP, PLUG TRAP PRIMER CONNECTION, DIAMETER OF OUTLET AS SHOWN ON DRAWINGS, COMPLETE WITH TRAP GUARD MODEL SURE SEAL SS3000BK, SIZE TO MATCH FLOOR DRAIN, SIZE PER PLANS.	SEE DWGS.	-	-	-	PROVIDE TRAP GUARD CONNECTION AS REQUIRED.
ADB	AUX DRAIN BOX	AUX DRAIN BOX SHALL BE EQUAL TO GUY GRAY MODEL #FB401-2	2"	1 1/2"	-	-	PROVIDE TRAP GUARD MOUNT 12"AFF W/ACCESSORY GRILLE
FCO	FLOOR CLEANOUT	FLOOR CLEANOUT SHALL BE EQUAL TO ZURN MODEL #Z5-1400, CLEANOUT.	SEE DWGS.	-	-	-	GAS/WATER TIGHT ABS PLUG
WCO	WALL CLEANOUT	WALL CLEANOUT SHALL BE EQUAL TO ZURN MODEL #Z5-1468, ACCESS COVER AND PLUG.	SEE DWGS.	-	-	-	GAS/WATER TIGHT ABS PLUG
GCO	CLEANOUT TO GRADE	CLEANOUT TO GRADE SHALL BE EQUAL TO ZURN MODEL #Z5-1400, PROVIDE CLEANOUT IN 18"x18"x6" CONCRETE PAD.	SEE DWGS.	-	-	-	GAS/WATER TIGHT ABS PLUG

GAS WATER HEATER SCHEDULE

TAG	DESCRIPTION	GAS BURNER DATA					UNIT TOTAL	RECOVERY GPH TOTAL	FLUE SIZE TYPE	SELECTION BASED ON		REMARKS/OPTIONS
		GAS TYPE N	GAS TYPE P	INLET PRESSURE	GALLONS STORAGE	MBH INPUT	RECOVERY GPH/RISE			MANUFACTURER	MODEL NUMBER	
WH-1	BUILDING	X		7" WC	50	76	85/90	1	85	2"PVC	A.O. SMITH	BTR-80 NOTE 1, A,C,F

OPTIONS (ALL UNITS)
- CODE APPROVED VACUUM BREAKER, TEMPERATURE/PRESSURE RELIEF VALVE AND INTERGAL OR FIELD SUPPLIED HEAT TRAPS.
- THERMAL EXPANSION TANK ON DW MAKE-UP. SEE TANK SCHEDULE.
- SERVICE BALL VALVES ON HW/CW MAINS

ADDITIONAL OPTIONS (UNITS AS NOTED)
A. CONCENTRIC VENT KIT FOR EACH HEATER. INSTALL PER MANUFACTURER'S REQUIREMENTS.
B. WATER HEATER ASSEMBLIES ARE MANIFOLDED TOGETHER - PROVIDE PIPING MANIFOLDS.
C. PROVIDE CONDENSATE NEUTRALIZATION KIT ON CONDENSATE DISCHARGE LINE.
D. WATER HEATERS SUPPLYING KITCHENS SHALL BE N.S.F. APPROVED.
E. ELECTRONIC IGNITION CONTROLS (120/1/N/60). COORDINATE WITH E.C.
F. POWERED EXHAUST/ELECTRONIC IGNITION (120V/1/N/60) COORDINATE WITH E.C.

NOTES:
1. INSTALL WATER HEATER PER MANUFACTURERS REQUIREMENTS. COORDINATE ALL CONNECTION POINTS IN THE FIELD.

EXPANSION TANK SCHEDULE

TAG	DESCRIPTION	VOLUME (GALLONS)	DIAMETER (INCHES)	HEIGHT (INCHES)	SELECTION BASED ON		REMARKS
					MANUFACTURER	MODEL NUMBER	
ET-1	BLADDER TYPE	4.4	11"	18"	AMTRO	ST-12	NOTE 1

NOTES:
1. INSTALL EXPANSION TANK ON IN-COMING COLD WATER PER MANUFACTURERS REQUIREMENTS.

PUMP SCHEDULE

TAG	DESCRIPTION	TYPE	CAPACITY		ELECTRICAL DATA				SELECTION BASED ON		REMARKS/OPTIONS
			GPM	HEAD (FT.)	HP	V	PH	HZ	MANUFACTURER	MODEL NUMBER	
RCP-1	HOT WATER RECIRC. PUMP	IN-LINE	3	11	1/12	120	1	60	BELL & GOSSETT	PL-20-6	NOTE 1,2

OPTIONS (ALL RCP UNITS)
- AQUA-STAT & NIGHT TIMER
- FLANGED PUMP
- BALANCING VALVE & CHECK VALVE
- MAINTENANCE BALL VALVES ON BOTH SIDES OF PUMP

OPTIONS (ALL SUMP UNITS)
- 30"x30"x30" SUMP BY G.C.
- DISCHARGE CHECK VALVE
- DISCHARGE BALL VALVE
- -----

ADDITIONAL OPTIONS (UNITS AS NOTED)
A. OIL-MINDER ALARM/CONTROL SYSTEM
B.
C.
D.

NOTES:
1. SET AQUA-STAT WITH SET POINT TO DEGREES BELOW SYSTEM SUPPLY TEMP.
2. INSTALL RECIRCULATION PUMP PER MANUFACTURERS REQUIREMENTS.
3. INSTALL OIL-MINDER ALARM/CONTROL PANEL ON WALL AT ELEVATOR PER MANUFACTURERS REQUIREMENTS. FIELD VERIFY EXACT LOCATION.

MIXING VALVE SCHEDULE

TAG	DESCRIPTION	MAXIMUM GPM	MINIMUM GPM	PRESSURE LOSS	SELECTION BASED ON		REMARKS/OPTIONS
					MANUFACTURER	MODEL NUMBER	
MV-1	THERMOSTATIC MIXING VALVE	3.5	.25	5	LEONARD	270-LF	NOTE 1, A

OPTIONS (ALL UNITS)
- LEAD FREE NSF APPROVED
- PROVIDE "STAT ON TEMPERED LINE

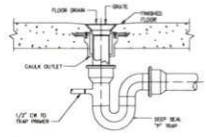
ADDITIONAL OPTIONS (UNITS AS NOTED)
A. ASSE 1070 APPROVED, SET @ 120° F. INLETS/ [OUTLET, MOUNT BELOW FIXTURE

NOTES:
1. INSTALL MIXING VALVE PER MANUFACTURERS REQUIREMENTS. PROVIDE ALL PIPING AND VALVES PER DRM MANUAL.

SHOCK ARRESTOR TABLE

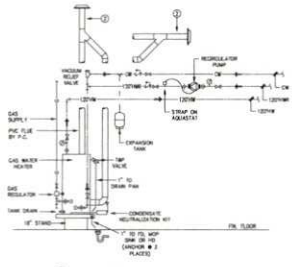
TAG	PDI WH201 DESIGNATION	FIXTURE UNITS	SELECTION BASED ON		REMARKS
			MANUFACTURER	MODEL NUMBER	
SAP	AA	1-3	SIOUX CHIEF	660	NOTE 1
SAP	A	4-11	SIOUX CHIEF	650-4	NOTE 1
SAP	B	12-32	SIOUX CHIEF	650-6	NOTE 1
SAP	C	33-60	SIOUX CHIEF	650-C	NOTE 1
SAP	D	61-113	SIOUX CHIEF	650-D	NOTE 1

NOTES:
1. INSTALL ARRESTORS PER PDI WH201 AND MANUFACTURERS REQUIREMENTS.



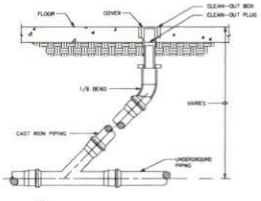
1 TYPICAL FLOOR DRAIN DETAIL
NOAD NONE

NOTE:
P.C. SHALL PROVIDE TRAP GUARD AT DRAINS NOT WASHED BY A HOSE BIBB. TRAP GUARD = ZURN #Z1072. PROVIDE TRAP PRIMER IF REQUIRED BY APLL PRIMER = ZURN MODEL #Z1022 OR APPROVED EQUAL.



3 GAS WATER HEATER
NOAD NONE

NOTES:
1. DRAWINGS FOR SCHEMATIC PURPOSES ONLY. ALL VALVES & EQUIPMENT MUST BE INSTALLED PER MANUFACTURERS INSTRUCTIONS.
2. SEE PLANS FOR CONCENTRIC VENT LOCATION.



2 FLOOR CLEAN-OUT DETAIL
NOAD NONE

TEG
TRETTER ENGINEERING GROUP, P.A.
CIVIL • MECHANICAL • ELECTRICAL • PLUMBING
NORTH CAROLINA FIRM # C-1339

TOTAL BOND VETERINARY HOSPITAL AT PAW CREEK
11226 Mt Holly Rd
Charlotte, North Carolina 28214
Kent Reisenauer

PLUMBING SCHEDULES & DETAILS

REVISIONS	DATE	COMMENTS
1	11/30/22	PLAN REVIEW
REVISIONS		
REVISIONS		
REVISIONS		

INITIALS | LICENSE

TEG
PROJECT NO.: 22049
DRAWN: MRB
DATE: 10/14/22

P002
2 OF 6

DEMOLITION SPECIFICATIONS

01 GENERAL CONDITIONS

THE NATURE OF THIS CONTRACT INVOLVES EXTENSIVE REMODELING OF EXISTING FACILITIES. THE CONTRACTOR, PRIOR TO BID, SHALL INSPECT THE EXISTING CONDITIONS AT THE JOB SITE AND ACQUAINT THEMSELVES WITH THE CONDITIONS THAT WILL AFFECT THEIR WORK.

CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS REQUIRED TO REMOVE, RELOCATE, AND REPIPE AS REQUIRED ALL EXISTING EQUIPMENT AND SYSTEMS NECESSARY TO ACCOMMODATE THE NEW CONSTRUCTION.

IT IS NOT THE INTENT OF THESE DOCUMENTS TO SPECIFY THE ACTUAL EXTENT OF DEMOLITION REQUIRED NOR TO SPECIFY EACH AND EVERY ITEM TO BE RELOCATED OR REMOVED. THE EXTENT OF THE WORK AND CONDITIONS UNDER WHICH THE WORK WILL BE PERFORMED SHALL BE FIELD VERIFIED BY THE CONTRACTOR.

02 MATERIALS AND EQUIPMENT

MATERIALS AND METHODS FOR NEW WORK APPLY TO TEMPORARY AND RELOCATED CONSTRUCTION.

EXISTING FIXTURES MAY BE REUSED IF THEY MEET THE REQUIREMENTS FOR NEW WORK.

03 DEMOLITION

PRIOR TO ROUGH-IN, THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH THE ACTUAL EQUIPMENT BEING FURNISHED.

EXISTING PLUMBING EQUIPMENT WHERE INDICATED ON THE DRAWINGS OR WHERE THE INSTALLATIONS WILL INTERFERE WITH THE INSTALLATION OF NEW EQUIPMENT OR NEW ARCHITECTURAL CHANGES, SHALL BE REMOVED, RELOCATED, OR RE-ROUTED TO PERMIT COMPLETION OF SUCH WORK.

SELECTIVELY DISCONNECT AND REMOVE ALL NONESSENTIAL, ABANDONED AND UNUSED EXISTING PIPING AND EQUIPMENT MADE OBSOLETE BY NEW CONSTRUCTION.

DAMAGED MATERIALS, EQUIPMENT, AND FIXTURES SHALL BE DELIVERED TO THE OWNER'S DESIGNATED AREA AND STORED WITHIN THE BUILDING WHERE DIRECTED. ANY REMAINING MATERIALS OR EQUIPMENT WHICH THE OWNER DOES NOT WISH TO KEEP SHALL BE DISPOSED OF BY THE CONTRACTOR, WITHOUT ADDITIONAL COST TO THE OWNER.

ALL EXISTING PIPING IN EXISTING AREAS TO BE ALTERED, WHICH WILL HAVE NO USE UPON COMPLETION OF THE ALTERATIONS SHALL BE REMOVED. WHENEVER PIPING AND OR WILL BECOME EXPOSED TO VIEW, OR WILL INTERFERE WITH THE INSTALLATION AND COMPLETION OF THE WORK REQUIRED, THEY SHALL ALSO BE REMOVED OR RELOCATED.

CONTRACTOR SHALL DETERMINE THE EXTENT TO WHICH EXISTING PIPING WILL HAVE TO BE RE-ROUTED, RELOCATED, OR RECONNECTED, AND THE AMOUNT OF ADDITIONAL WORK WHICH MAY BE REQUIRED DUE TO THE PHYSICAL CONDITIONS OF THE PIPING SHALL BE PERFORMED UNDER THIS CONTRACT WITHOUT ADDITIONAL CHARGES TO THE OWNER.

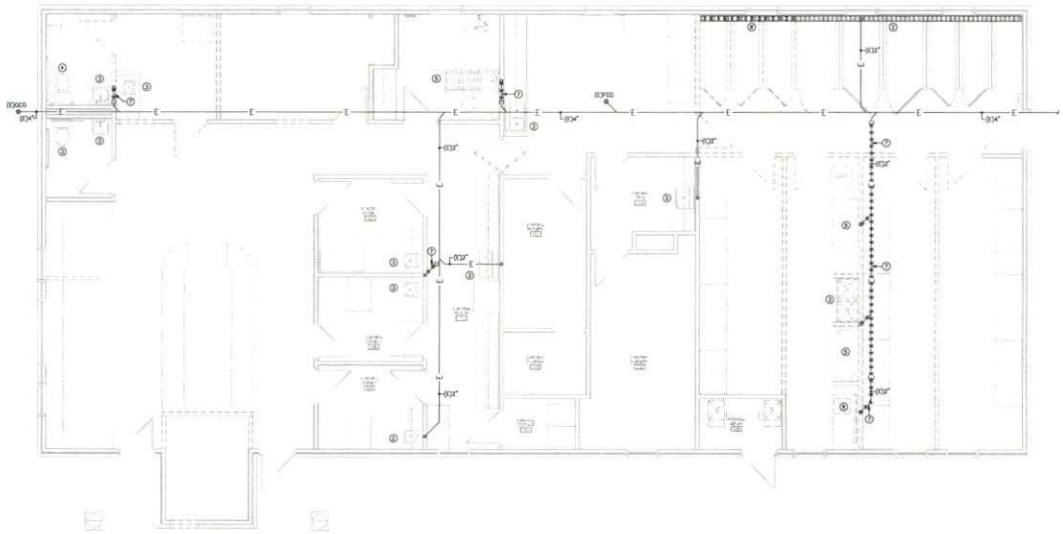
INTERRUPTION OF EXISTING FACILITIES OR SERVICES SHALL BE KEPT TO A MINIMUM AND THE CONTRACTOR SHALL FURNISH ALL MATERIALS AND LABOR REQUIRED WHENEVER TEMPORARY CONDITIONS ARE NECESSARY TO MAINTAIN CONTINUITY OF SERVICE. INTERRUPTION OF SERVICES, THE INSTALLATION OF TEMPORARY FACILITIES, AND THE WORK OF MAKING FINAL CONNECTIONS TO NEW WORK SHALL BE DONE ONLY AT SUCH TIMES AS PERMITTED AND SCHEDULED BY THE OWNER AND AT NO ADDITIONAL COST. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THE SERVICE INTERRUPTIONS WITH THE OWNER AND GENERAL CONTRACTOR.

04 PHASING

THE DEMOLITION SCHEDULE SHALL BE COORDINATED AND APPROVED BY THE ARCHITECT, OWNER AND GENERAL CONTRACTOR.

NOTES THIS SHEET

1. SEE SHEETS P001-002 FOR SCHEDULES, DETAILS AND SPECIFICATIONS.
2. PLUMBING CONTRACTOR SHALL INSPECT EXISTING PLUMBING FIXTURES INCLUDING TRAPS, SUPPLIES, SEALS, ETC. PROVIDE OWNER WITH LIST OF REPAIRS OR REPLACEMENTS REQUIRED TO BRING FIXTURES UP TO PROPER OPERATION.
3. PLUMBING CONTRACTOR SHALL REMOVE LAVATORY/SINK INCLUDING EXISTING TRAPS, SUPPLIES, ETC. REMOVE WASTE LINE TO FLOOR.
4. PLUMBING CONTRACTOR SHALL REMOVE EXISTING WATER CLOSET INCLUDING EXISTING SUPPLY, WAX SEAL, ETC.
5. PLUMBING CONTRACTOR SHALL REMOVE EXISTING TUB TABLE/GROOMING TUB INCLUDING EXISTING TRAPS, SUPPLIES, ETC. REMOVE WASTE LINE TO FLOOR.
6. PLUMBING CONTRACTOR SHALL REMOVE EXISTING WASHING MACHINE BOX INCLUDING EXISTING TRAPS, SUPPLIES, ETC. REMOVE WASTE LINE TO FLOOR.
7. REMOVE PIPING TO WAS 24" FROM EXISTING REMAINING PIPE MAIN TO ELIMINATE DEAD END RUNS PER CODE. FIELD VERIFY EXACT PIPING LOCATIONS.
8. PLUMBING CONTRACTOR SHALL REMOVE THIS PORTION OF THE EXISTING TRENCH DRAIN. CAP END OF EXISTING TRENCH WITH MANUFACTURERS REQUIRED PART.
9. PLUMBING CONTRACTOR SHALL VERIFY ALL EXISTING LINE SIZES AND ROUTING PRIOR TO THE START OF CONSTRUCTION. ALL EXISTING VENTING TO EXISTING FIXTURES SHALL REMAIN UNLESS NOTED OTHERWISE. IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IF ANY DISCREPANCIES ARE IDENTIFIED PRIOR TO THE START OF CONSTRUCTION.



1 FLOOR PLAN – DEMOLITION WASTE
SCALE: 1/4" = 1'-0"

TEG ENGINEERING GROUP, P.A.
NORTH CAROLINA COA # C-3196

TOTAL BOND VETERINARY HOSPITAL AT PAW CREEK
11226 Mt Holly Rd
Charlotte, North Carolina 28214
Kent Reisenauer

FLOOR PLAN - DEMOLITION WASTE

REV #	DATE	COMMENTS
REVISION 1		
REVISION 2		
REVISION 3		
REVISION 4		

INSTALL 1

TEG
PROJECT NO.: 22043
DRAWN: MRB
DATE: 10/14/22

P101
3 OF 6

DEMOLITION SPECIFICATIONS

01 GENERAL CONDITIONS

THE NATURE OF THIS CONTRACT INVOLVES EXTENSIVE REMODELING OF EXISTING FACILITIES. THE CONTRACTOR, PRIOR TO BID, SHALL INSPECT THE EXISTING CONDITIONS AT THE JOB SITE AND ACQUAINT THEMSELVES WITH THE CONDITIONS THAT WILL AFFECT THEIR WORK.

CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS REQUIRED TO REMOVE, RELOCATE, AND REINFO AS REQUIRED ALL EXISTING EQUIPMENT AND SYSTEMS NECESSARY TO ACCOMMODATE THE NEW CONSTRUCTION.

IT IS NOT THE INTENT OF THESE DOCUMENTS TO SPECIFY THE ACTUAL EXTENT OF DEMOLITION REQUIRED NOR TO SPECIFY EACH AND EVERY ITEM TO BE RELOCATED OR REMOVED. THE EXTENT OF THE WORK AND CONDITIONS UNDER WHICH THE WORK WILL BE PERFORMED SHALL BE FIELD VERIFIED BY THE CONTRACTOR.

02 MATERIALS AND EQUIPMENT

MATERIALS AND METHODS FOR NEW WORK APPLY TO TEMPORARY AND RELOCATED CONSTRUCTION.

EXISTING FIXTURES MAY BE REUSED IF THEY MEET THE REQUIREMENTS FOR NEW WORK.

03 DEMOLITION

PRIOR TO ROUGH-IN, THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH THE ACTUAL EQUIPMENT BEING FURNISHED.

EXISTING PLUMBING EQUIPMENT WHERE INDICATED ON THE DRAWINGS OR WHERE THE INSTALLATIONS WILL INTERFERE WITH THE INSTALLATION OF NEW EQUIPMENT OR NEW ARCHITECTURAL CHANGES, SHALL BE REMOVED, RELOCATED, OR RE-ROUTED TO PERMIT COMPLETION OF SUCH WORK.

SELECTIVELY DISCONNECT AND REMOVE ALL NONESSENTIAL, ABANDONED AND UNUSED EXISTING PIPING AND EQUIPMENT MADE OBSOLETE BY NEW CONSTRUCTION.

SALVAGED MATERIALS, EQUIPMENT, AND FIXTURES SHALL BE DELIVERED TO THE OWNER AT HIS PROPERTY AND STORED WITHIN THE BUILDING WHERE DIRECTED. ANY REMOVED MATERIALS OR EQUIPMENT WHICH THE OWNER DOES NOT WISH TO RETAIN SHALL BE DISPOSED OF BY THE CONTRACTOR, WITHOUT ADDITIONAL COST TO THE OWNER.

ALL EXISTING PIPING IN EXISTING AREAS TO BE ALTERED, WHICH WILL HAVE NO USE UPON COMPLETION OF THE ALTERATIONS SHALL BE REMOVED. WHENEVER PIPING ARE OR WILL BECOME EXPOSED TO VIEW, OR WILL INTERFERE WITH THE INSTALLATION AND COMPLETION OF THE WORK REQUIRED, THEY SHALL ALSO BE REMOVED OR RELOCATED.

CONTRACTOR SHALL DETERMINE THE EXTENT TO WHICH EXISTING PIPING WILL HAVE TO BE RE-ROUTED, RELOCATED, OR RECONNECTED, AND THE AMOUNT OF ADDITIONAL WORK WHICH MAY BE REQUIRED DUE TO THE PHYSICAL CONDITIONS OF THE PIPING SHALL BE PERFORMED UNDER THIS CONTRACT WITHOUT ADDITIONAL CHARGES TO THE OWNER.

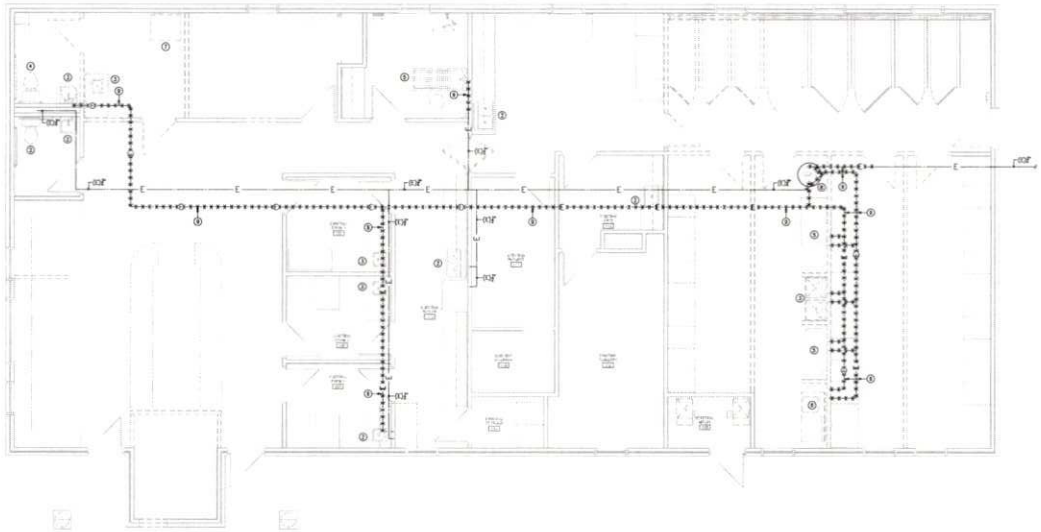
INTERRUPTION OF EXISTING FACILITIES OR SERVICES SHALL BE KEPT TO A MINIMUM AND THE CONTRACTOR SHALL FURNISH ALL MATERIALS AND LABOR REQUIRED WHENEVER TEMPORARY CONDITIONS ARE NECESSARY TO MAINTAIN CONTINUITY OF SERVICE. INTERRUPTION OF SERVICES, THE INSTALLATION OF TEMPORARY FACILITIES, AND THE WORK OF MAKING FINAL CONNECTIONS TO NEW WORK SHALL BE DONE ONLY AT SUCH TIMES AS PERMITTED AND SCHEDULED BY THE OWNER WITHOUT ADDITIONAL COST. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THE SERVICE INTERRUPTIONS WITH THE OWNER AND GENERAL CONTRACTOR.

04 PHASING

THE DEMOLITION SCHEDULE SHALL BE COORDINATED AND APPROVED BY THE ARCHITECT, OWNER AND GENERAL CONTRACTOR.

NOTES THIS SHEET

1. SEE SHEETS P001-002 FOR SCHEDULES, DETAILS AND SPECIFICATIONS.
2. PLUMBING CONTRACTOR SHALL INSPECT EXISTING PLUMBING FIXTURES INCLUDING TRAPS, SUPPLIES, DETAILS, ETC. PROVIDE OWNER WITH LIST OF REPAIRS OR REPLACEMENTS REQUIRED TO BRING FIXTURES UP TO PROPER OPERATION.
3. PLUMBING CONTRACTOR SHALL REMOVE LAVATORY/SINK INCLUDING EXISTING TRAPS, SUPPLIES, ETC. REMOVE WATER LINES TO ABOVE CEILING.
4. PLUMBING CONTRACTOR SHALL REMOVE EXISTING WATER CLOSET INCLUDING EXISTING SUPPLY, WAX SEAL, ETC.
5. PLUMBING CONTRACTOR SHALL REMOVE EXISTING TUB TABLE/SHOWING TUB INCLUDING EXISTING TRAPS, SUPPLIES, ETC. REMOVE WATER LINES TO ABOVE CEILING.
6. PLUMBING CONTRACTOR SHALL REMOVE EXISTING WASHING MACHINE BOX INCLUDING EXISTING TRAPS, SUPPLIES, ETC. REMOVE WATER LINES TO ABOVE CEILING.
7. PLUMBING CONTRACTOR SHALL REMOVE EXISTING WATER CONNECTION FOR REFRIGERATOR. REMOVE WATER LINE TO ABOVE CEILING.
8. PLUMBING CONTRACTOR REMOVE INSPECT EXISTING WATER HEATER INCLUDING EXPANSION TANK, SUPPLIES, ETC. REMOVE WATER LINES TO ABOVE CEILING.
9. REMOVE EXISTING WATER PIPING AS SHOWN. FIELD VERIFY EXACT PIPING LOCATIONS.
10. PLUMBING CONTRACTOR SHALL VERIFY ALL EXISTING LINE SIZES AND ROUTING PRIOR TO THE START OF CONSTRUCTION. IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IF ANY DISCREPANCIES ARE IDENTIFIED PRIOR TO THE START OF CONSTRUCTION.



1 FLOOR PLAN – DEMOLITION WATER

SCALE: 1/4" = 1'-0"

TEG

TOTAL BOND VETERINARY HOSPITAL AT PAW CREEK
11226 Mt Holly Rd
Charlotte, North Carolina 28214
Kent Reisenauer

FLOOR PLAN - DEMOLITION WATER

REV.#	DATE	COMMENTS

NO.	RECORD

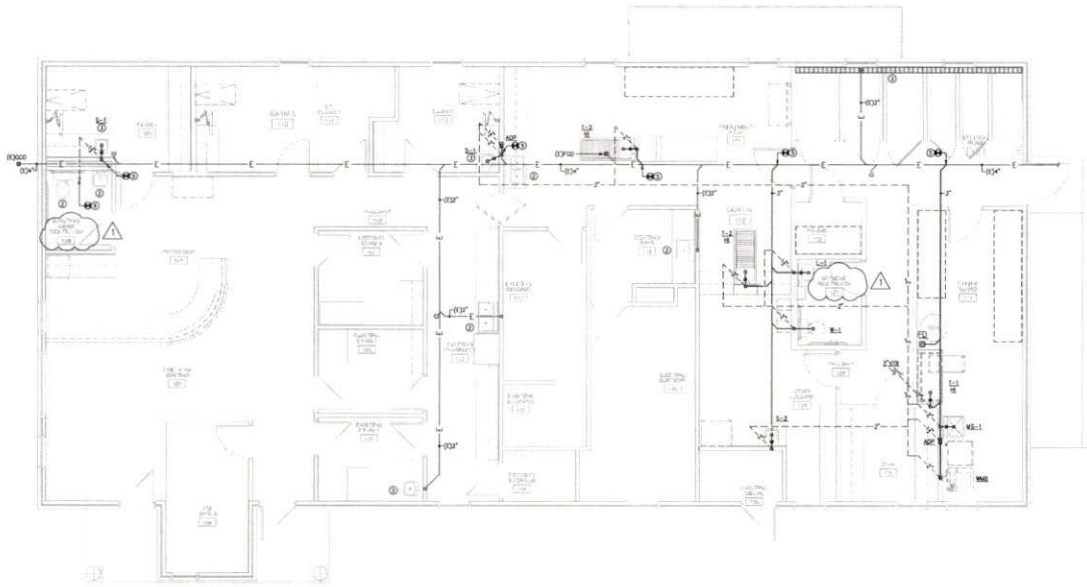
TEG
PROJECT NO.: 22040
DRAWN: MRB
DATE: 10/14/22

P102

4 OF 6

NOTES THIS SHEET

1. SEE SHEETS P001-002 FOR SCHEDULES, DETAILS AND SPECIFICATIONS.
2. PLUMBING CONTRACTOR SHALL INSPECT EXISTING PLUMBING FIXTURES INCLUDING TRAPS, SUPPLIES, SEALS, ETC. PROVIDE OWNER WITH LIST OF REPAIRS OR REPLACEMENTS REQUIRED TO BRING FIXTURES UP TO PROPER OPERATION.
3. PLUMBING CONTRACTOR SHALL REINSTALL SINK SHOES DURING DEMOLITION AT NEW LOCATION SHOWN. RECONNECT TO SUPPLIES AT NEW LOCATION. FIELD VERIFY EXACT LOCATION.
4. PLUMBING CONTRACTOR SHALL VERIFY ALL EXISTING LINE SIZES AND ROUTING PRIOR TO THE START OF CONSTRUCTION. ALL EXISTING VENTING TO EXISTING FIXTURES SHALL REMAIN UNLESS NOTED OTHERWISE. IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IF ANY DISCREPANCIES ARE IDENTIFIED PRIOR TO THE START OF CONSTRUCTION.
5. TIE NEW WASTE LINE INTO EXISTING WASTE LINE OF EQUAL OR LARGER SIZE. FIELD VERIFY EXACT LOCATIONS, INVERT ELEVATION AND FLOW DIRECTION.
6. TIE NEW VENT LINE INTO EXISTING VENT LINE OF EQUAL OR LARGER SIZE. FIELD VERIFY EXACT LOCATIONS, INVERT ELEVATION AND FLOW DIRECTION.



1 FLOOR PLAN – WASTE
SCALE: 1/4" = 1'-0"

TEG
TEETER ENGINEERING GROUP, P.A.

TOTAL BOND VETERINARY HOSPITAL AT PAW CREEK
11226 Mt Holly Rd
Charlotte, North Carolina 28214
Kent Reisenauer

FLOOR PLAN - WASTE

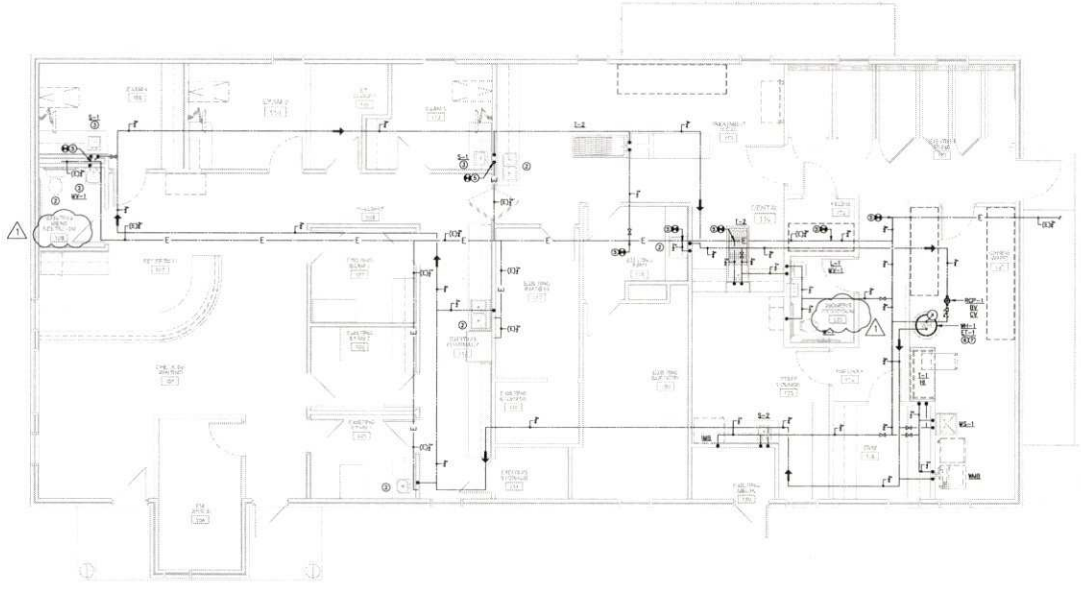
REVISIONS	
INITIALS	

TEG
PROJECT NO.: 22048
DRAWN: WRR
DATE: 10/14/22

P201
5 OF 6

NOTES THIS SHEET

1. SEE SHEETS P000-002 FOR SCHEDULES, DETAILS AND SPECIFICATIONS.
2. PLUMBING CONTRACTOR SHALL INSPECT EXISTING PLUMBING FIXTURES INCLUDING TRAPS, SUPPLIES, SEALS, ETC. PROVIDE OWNER WITH LIST OF REPAIRS OR REPLACEMENTS REQUIRED TO BRING FIXTURES UP TO PROPER OPERATION.
3. PLUMBING CONTRACTOR SHALL REINSTALL SINK SAVED DURING DEMOLITION AT NEW LOCATION SHOWN. RECONNECT TO SUPPLIES AT NEW LOCATION. FIELD VERIFY EXACT LOCATION.
4. PLUMBING CONTRACTOR SHALL VERIFY ALL EXISTING LINE SIZES AND ROUTING PRIOR TO THE START OF CONSTRUCTION. ALL EXISTING VENTING TO EXISTING FIXTURES SHALL REMAIN UNLESS NOTED OTHERWISE. IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IF ANY DISCREPANCIES ARE IDENTIFIED PRIOR TO THE START OF CONSTRUCTION.
5. TIE NEW COLD WATER LINE INTO EXISTING COLD WATER LINE OF EQUAL OR LARGER SIZE. FIELD VERIFY EXACT LOCATIONS, INVERT ELEVATION AND FLOW DIRECTION.
6. MOUNT WATER HEATER ON 18" STAND WITH DRAIN PAN. ROUTE DRAIN PAN DRAIN TO MOP SINK. WITH AIR GAP.
7. INSTALL CONCENTRIC VENT AT ROOF. INSTALL VENT TERMINAL AND MESH WIRE SCREEN ON CONCENTRIC VENT. THE TERMINATIONS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND APPLICABLE CODES.



1 FLOOR PLAN – WATER
SCALE: 1/4" = 1'-0"

TEG
TEETER ENGINEERING GROUP, P.A.
NORTH CAROLINA CORP # C-2199

11/3/22

TOTAL BOND VETERINARY HOSPITAL AT PAW CREEK
11226 Mt Holly Rd
Charlotte, North Carolina 28214
Kent Reisenauer

FLOOR PLAN - WATER

REVISIONS	DESCRIPTION
REVISION 1	PLAN REVIEW
REVISION	
REVISION	
REVISION	
REVISION	

ISSUE DATE: 11/03/22

INITIALS | REVISIONS

TEG
PROJECT NO.: 22046
DRAWN: MRB
DATE: 10/14/22

P202
6 OF 6