TAR HEEL™
BASEMENT SYSTEMS
A Groundworks Company

Scope of Work for:
216 Washington Lane
Cameron NC 28326

***The following will be performed as Crawl Space Moisture Remediation*:**

*Drainage Matting Install Drainage matting under the CrawlSeal Liner.

*R-10 Rigid 2” Foam Sheathing - Wall Insulation installed with a 3-4” termite inspection reveal left at the top of the foundation wall. All vents will be sealed from the inside.

*R-19 Insulation installed in the joist cavities

*AprilAire E100 Dehumidifier install - unit specifications on page 2

*Electrical - Installation of new dedicated 120vac/20amp electrical circuit/s and electrical outlet/s (WP-GFCI) to supply sump pump and /or dehumidifier in crawl space (basement).
Davis Dunlap Electrical LLC
210 Timberland Dr
Angier NC 27501
919-669-0768
davisdunlapelectric@yahoo.com
License #27056-L

*CrawlDrain Install CrawlDrain in the area shown. Hand dig in order to develop a trench where indicated on the drawing and install 4" corrugated and perforated pipe with engineered mesh silt sock to collect ground water, back filled with #57 drainage stone and connect to sump system to discharge.

*Crawlspace Single w/ Backup Install 1/3 HP Sump pump system with liner, cast iron pump, pump stand, water alarm system and battery back-up pumping system with charging/control box with alarm, and 120 amp sealed maintenance free battery.

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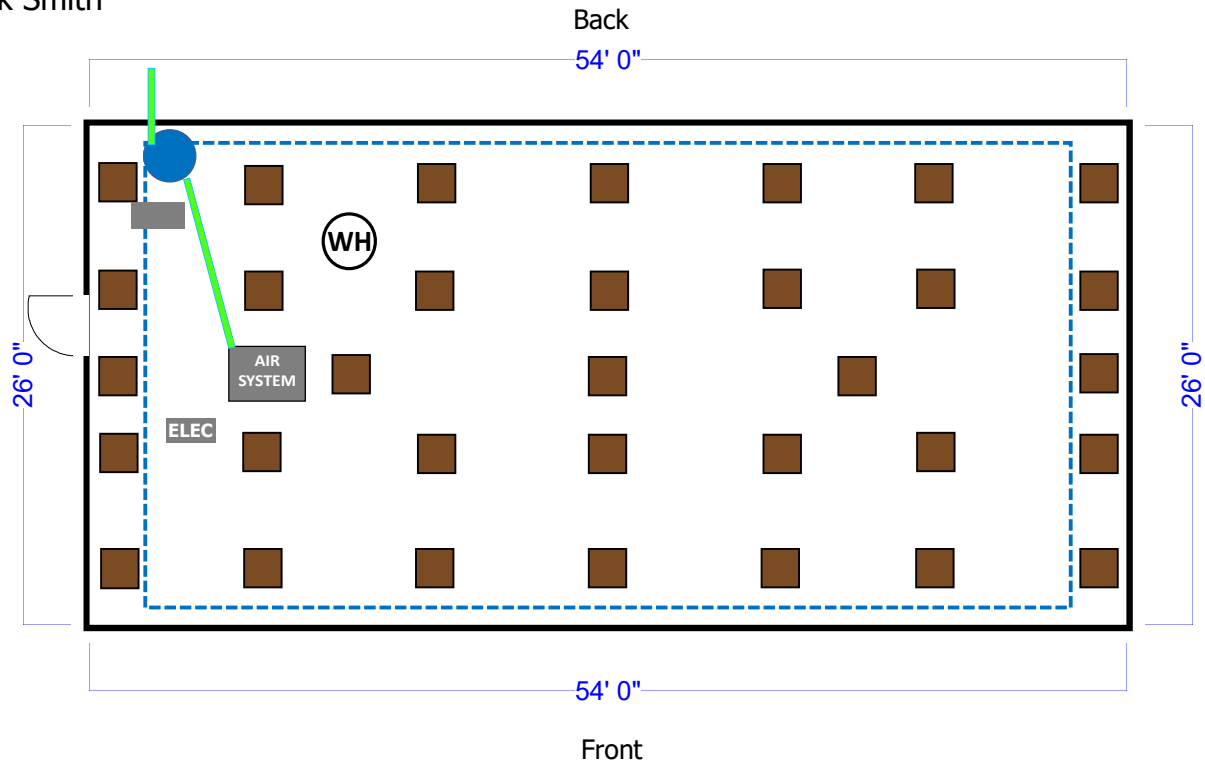
SPECIFICATIONS		
Capacity		
	@ 80°F/60% RH	100 ppd
	@ 73°F/60% RH	85 ppd
Energy Factor		
	@ 80°F/60% RH	2.6 L/kW-h
	@ 73°F/60% RH	2.35 L/kW-h
Airflow @ varying E.S.P. (external static pressure - dry coil)		
	0.0" w.c.	280 CFM
	0.2" w.c.	245 CFM
	0.4" w.c.	210 CFM
Voltage, phase, frequency		120VAC, 1 phase, 60 Hz
Current draw[1]		6.9 Amps
Noise		55 dBA ducted
Dimensions: (cabinet only)[2]		Width: 14" Height: 15" Length: 26"
Unit Weight		64 lbs.
Shipping Weight		82 lbs.
Inlet air operating conditions during		
-Dehumidification:		50°F–104°F, 40°F dew point min.
-Ventilation:		40°F–140°F, 0%–99% RH (non-condensing)

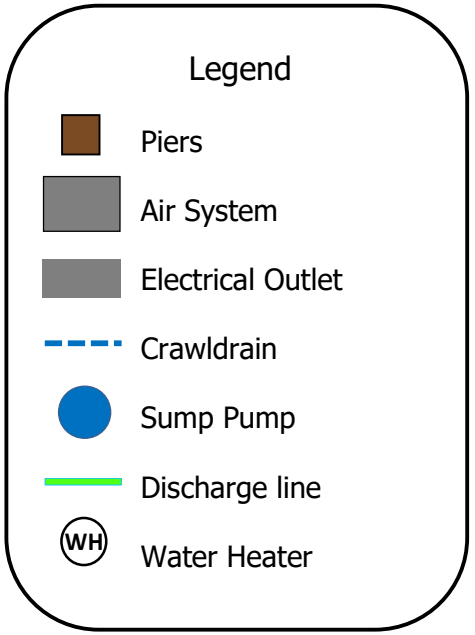
[1]Rated capacity, energy factor and current draw measured at 80°F/60% RH inlet air at 0.0 ESP.
[2]Height does not include adjustable feet. The width excludes the filter doors and length excludes the duct collars.

*CrawlSeal System to include the following:
-20 ml Vapor Barrier installed wall to wall with 100% floor coverage. All sections of liner will be overlapped a minimum of 1' and will be seamed together, attached with Christmas Tree fasteners, and caulked.
-Install WallSeal on basement walls to help prevent water vapor and moisture intrusion as well as direct wall leakage to the waterproofing system. (12 ml Vapor Barrier on Walls)
-Wrap all existing CMU/Brick Piers 20 ml Vapor Barrier. Contractor will leave a termite inspection gap at the top of each pier. The liner will be fastened to the pier and the top edge of the liner will be sealed with caulking.
-All Vents will be sealed from inside the crawl space with R-10 Rigid 2” Foam Sheathing.

216 Washington Lane - Cameron
Mark Smith

Drawn by:Megan Westberg - CFI - 7/01/2023





Notes:

- Homeowner removing insulation

- New crawlspace door

- Only 6 inch clearance from pier to foundation wall on the left and right side of the home, crawldrain will have to be installed in front of the piers.

- Average crawl space height 4-5 ft. Front right corner is about 2 ft clearance

- Draining matting throughout the whole crawlspace

- Homeowner already has a discharge system on the side where the sump is, please tie our discharge line into pre-existing piping