



**Scope of Work for:**  
**96 Williams Creek Drive**  
**Erwin, NC 28339**

***The following will be performed as a crawlspace encapsulation project:***

\*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.

\*Existing R-19 insulation will remain in the floor system.

\*Extreme Block - 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.

\*Drainage Matting Install Drainage matting under the CrawlSeal Liner.

\*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).

**Touchstone Electric**  
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# TARHEEL™

## BASEMENT SYSTEMS

A Groundworks Company

SPECIFICATIONS	
<b>Capacity</b>	
@ 80°F/60% RH	100 ppd
@ 73°F/60% RH	85 ppd
<b>Energy Factor</b>	
@ 80°F/60% RH	2.6 L/kW-h
@ 73°F/60% RH	2.35 L/kW-h
<b>Airflow @ varying E.S.P. (external static pressure - dry coil)</b>	
0.0" w.c.	280 CFM
0.2" w.c.	245 CFM
0.4" w.c.	210 CFM
<b>Voltage, phase, frequency</b>	120VAC, 1 phase, 60 Hz
<b>Current draw<sup>(1)</sup></b>	6.9 Amps
<b>Noise</b>	55 dBA ducted
<b>Dimensions: (cabinet only)<sup>(2)</sup></b>	Width: 14" Height: 15" Length: 26"
<b>Unit Weight</b>	64 lbs.
<b>Shipping Weight</b>	82 lbs.
<b>Inlet air operating conditions during</b>	
<b>-Dehumidification:</b>	50°F-104°F, 40°F dew point min.
<b>-Ventilation:</b>	40°F-140°F, 0%-99% RH (non-condensing)
<small><sup>(1)</sup>Rated capacity, energy factor and current draw measured at 80°F/60% RH inlet air at 0.0 ESP.</small>	
<small><sup>(2)</sup>Height does not include adjustable feet. The width excludes the filter doors and length excludes the duct collars.</small>	

\*Two (2) 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.

\*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.

Tar Heel Basement Systems  
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 Certified Foundation Inspector  
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