



**Scope of Work for:**  
**3263 North Carolina 210**  
**Lillington, NC 27546**

***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.

-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.

\*AprilAire E100 Dehumidifier install - unit specifications on page 2.

\*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.

\*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.

\*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.

# 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>	
-Dehumidification:	50°F-104°F, 40°F dew point min.
-Ventilation:	40°F-140°F, 0%-99% RH (non-condensing)
<small>①Rated capacity, energy factor and current draw measured at 80°F/60% RH inlet air at 0.0 ESP.</small>	
<small>②Height does not include adjustable feet. The width excludes the filter doors and length excludes the duct collars.</small>	

\*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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**License # U.37073**

21, Jalan Zaman  
Project Number:  
Date: 02 November 2024  
Perencanaan Sistem: Sump pump and drainage, customer has to own Sanksi P10 he wishes to keep.  
All projects subject to planning approval



KEY	
	Pump
	Discharge Line
	Yard-well
	Air System
	Electrical outlet