



Initial Application Date: \_\_\_\_\_

Application # \_\_\_\_\_

DRB # \_\_\_\_\_ CU # \_\_\_\_\_

**COMMERCIAL**

**COUNTY OF HARNETT LAND USE APPLICATION**

Central Permitting (Physical) 420 McKinney Pkwy, Lillington, NC 27546 (Mailing) PO Box 65 Lillington NC 27546 Phone: (910) 893-7525 opt # 1 Fax: (910) 893-2793 www.harnett.org/permits

LANDOWNER: Harnett Health System, Inc. Mailing Address: P.O. Box 1706

City: Dunn State: NC Zip: 28335 Contact # \_\_\_\_\_ Email: \_\_\_\_\_

APPLICANT\*: Sign & Awning Systems, Inc. Mailing Address: 2785 US Hwy 301 N

City: Dunn State: NC Zip: 28324 Contact # 910-892-5900 Email: info@signandawning.com

\*Please fill out applicant information if different than landowner

CONTACT NAME APPLYING IN OFFICE: Karen Taylor Phone # 910-892-5900

Address: 225 Brightwater Dr. PIN: 0650-79-3456.000

Zoning: O&I Watershed: \_\_\_\_\_ Flood: \_\_\_\_\_ Deed Book Page: 3865 10325

Setbacks – Front: \_\_\_\_\_ Back: \_\_\_\_\_ Side: \_\_\_\_\_ Corner: \_\_\_\_\_

**PROPOSED USE:**

Multi-Family Dwelling No. Units: \_\_\_\_\_ No. Bedrooms/Unit: \_\_\_\_\_

Business Sq. Ft. Retail Space: \_\_\_\_\_ Type: \_\_\_\_\_ # Employees: \_\_\_\_\_ Hours of Operation: \_\_\_\_\_

Daycare # Preschoolers: \_\_\_\_\_ # Afterschoolers: \_\_\_\_\_ # Employees: \_\_\_\_\_ Hours of Operation: \_\_\_\_\_

Industry Sq. Ft: \_\_\_\_\_ Type: \_\_\_\_\_ # Employees: \_\_\_\_\_ Hours of Operation: \_\_\_\_\_

Church Seating Capacity: \_\_\_\_\_ # Bathrooms: \_\_\_\_\_ Kitchen: \_\_\_\_\_

Accessory/Addition/Other (Size 42" x 86") Use: 25 sq ft road sign

Water Supply: \_\_\_\_\_ County \_\_\_\_\_ Existing Well \_\_\_\_\_ New Well (# of dwellings using well \_\_\_\_\_) \*Must have operable water before final (Need to Complete New Well Application at the same time as New Tank)

Sewage Supply: \_\_\_\_\_ New Septic Tank \_\_\_\_\_ Expansion \_\_\_\_\_ Relocation \_\_\_\_\_ Existing Septic Tank \_\_\_\_\_ County Sewer (Complete Environmental Health Checklist on other side of application if Septic)

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

If permits are granted I agree to conform to all ordinances and laws of the State of North Carolina regulating such work and the specifications of plans submitted. I hereby state that foregoing statements are accurate and correct to the best of my knowledge. Permit subject to revocation if false information is provided.

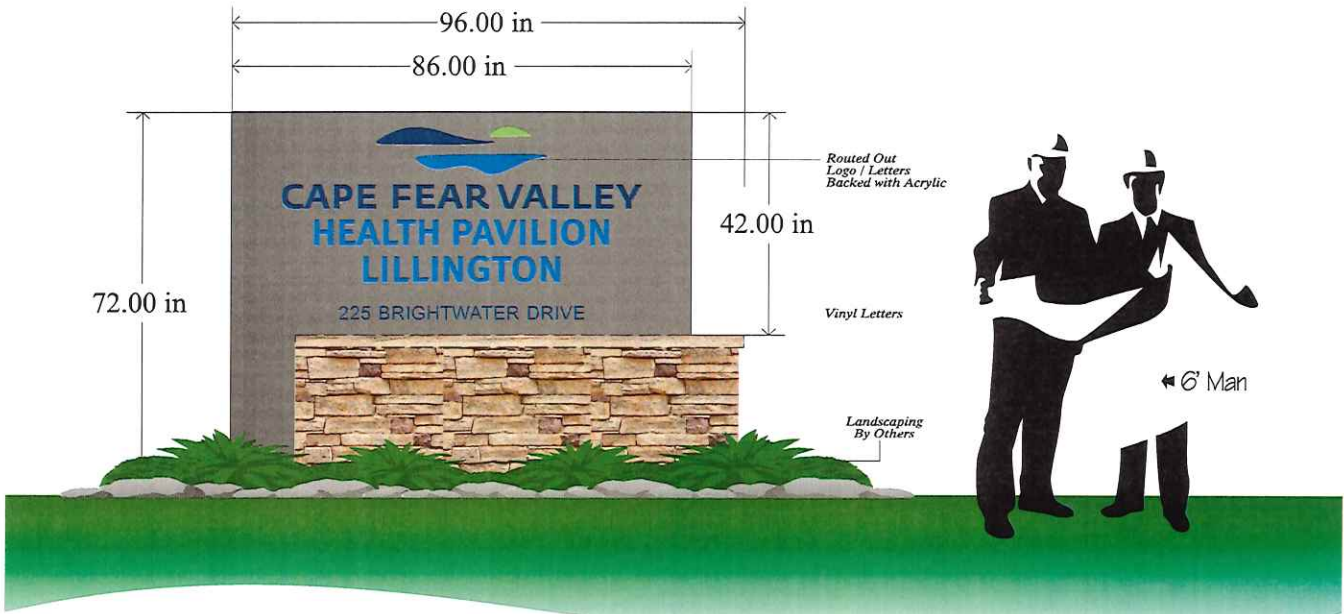
Karen Taylor for SAS  
Signature of Owner or Owner's Agent

8/13/24  
Date

**\*\*This application expires 6 months from the initial date if permits have not been issued\*\***

**RECORDED DEED (OR OFFER TO PURCHASE) AND PLAT ARE REQUIRED WHEN APPLYING FOR LAND USE APPLICATION**

**\*\*\*It is the owner/applicants responsibility to provide the county with any applicable information about the subject property, including but not limited to: boundary information, house location, underground or overhead easements, etc. The county or its employees are not responsible for any incorrect or missing information that is contained within these applications.\*\*\***



## CAPE FEAR VALLEY PAVILION (Lillington) - Road Sign

2785 US Hwy 301 N, Dunn, NC 28334  
Ph: 910-892-5900 • Fax: 910-892-2140 • www.SignandAwning.com

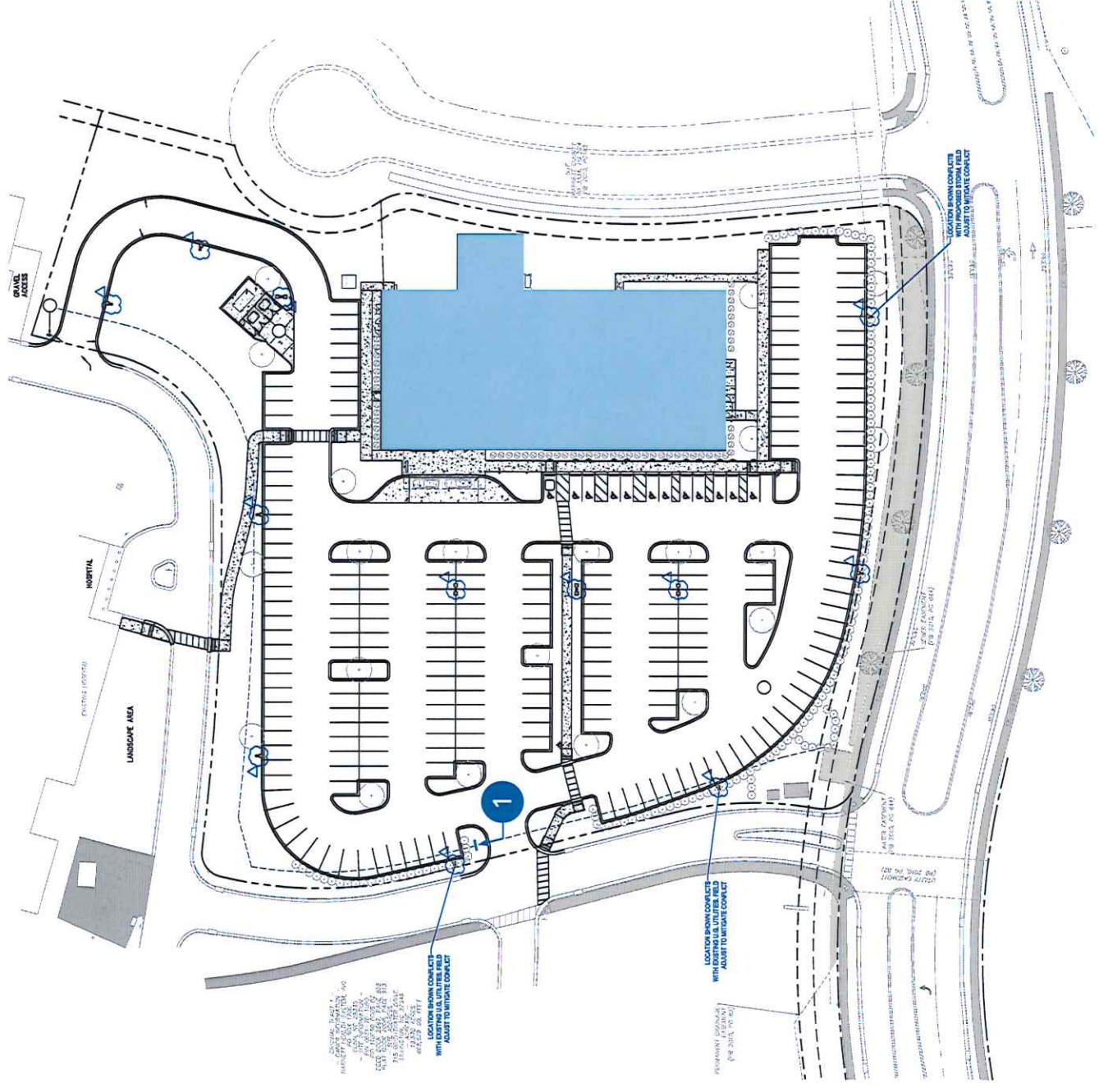
**NOTE:** THESE DESIGNS ARE PROPERTY OF SIGN & AWNING SYSTEMS AND CAN NOT BE REPRODUCED WITHOUT PERMISSION. All artwork must be approved by the customer before we move forward with the order. It is the customer's responsibility to ensure that the proof is correct in all areas. Please be sure to double-check Spelling, Grammar, Layout, and Design Content. If the proof containing errors is approved, the customer is liable for all costs, including corrections and reprints. Proofs may not represent exact colors. All colors displayed may look different in person than on your computer screen due to the individual monitor or screen color settings.

Customer / Landlord Approval:

Date:

**EXTERIOR SITE SIGNAGE**

- 1. Monument sign**
- MOB logo
- Main Entrance (straight arrow)
- Cancer Center (straight arrow)
- Pharmacy (right arrow)
- (other services depending on size)



LOCATION SIGN COMPLETE WITH EXISTING UTILITIES FIELD ADJUST TO MITIGATE CONFLICT

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**HONEYCUTT ENGINEERING**

16127 Spiveys Corner Hwy  
Dunn, NC 28334  
910-237-0734

Job: Cape Fear Valley Health Pavilion -- Harnett County

Sheet: 1 of 2

Calculated By: Jason M. Honeycutt

Date: 8/13/24

**Sign Foundation Design For:**

Location =	Harnett County	Height of Sign Face, ft =	6
Design Wind Velocity (V), mph =	120	Width of Sign Face, ft =	7.25
Height of Structure (Z), ft =	6	Height of Flashing Face, ft =	0
Kz =	0.37	Width of Flashing Face, ft =	0
Exposure =	B, 1	Length of Pole, ft =	0
Structural Classification =	1	Width of Pole, ft =	0
Importance Factor (I) =	1	Area of Sign Face, ft <sup>2</sup> =	43.5
Gust Response Factor (Gh & Gz) =	1.65	-Area of Flashing Face, ft <sup>2</sup> =	0
Geometry Force Coefficient (Cf) =		Area of Pole, ft <sup>2</sup> =	0
Round = 0.75, Square/Rect = 1.2	1.2	Moment Arm of Sign Face, ft =	3
Max Allow. Stress, ksi =	23	Moment Arm of Flashing Face, ft =	0
Number of Poles =	1	Moment Arm of Pole, ft =	0

**Determine Velocity Pressure:**

$$Qz = 0.00256 * Kz * (1 * V)^2$$

$$Qz = 13.6$$

**Determine Wind Force:**

$$F = Qz * (Gh + Gz) * Cf * A$$

Sign:	Fs =	1.17
Flashing:	Ff =	0.00
Pole:	Fp =	0.00
	Ftotal (kips) =	1.17

**Moment Calculations:**

$$M = F * \text{Moment Arm}$$

Sign:	Ms =	3.52
Flashing:	Mf =	0.00
Pole:	Mp =	0.00
	Mtotal (kips-ft)	3.52

**Section Requirement Calculation:**

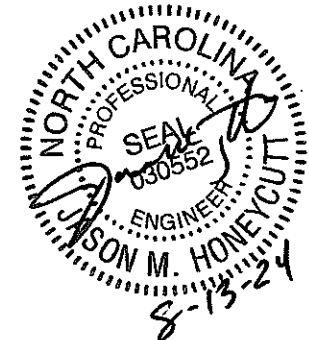
$$Sreq = Mtotal / \text{max allowable stress}$$

$$Sreq \text{ (in}^3\text{)} = 1.839$$

**Embedment Depth Required:**

USE: 4" x 4" x 3/16" Steel Tubing

Force on Pole (P), lbs =	1175
Height Above Ground the Load Is Applied (H), ft =	3.00
Diameter of Foundation or Pole (B), ft =	1.5
Passive Soil Allowable Pressure (p), psi =	
Ranges from 100 - 400	400
Assumed depth (d), ft =	4.8
Soil pressure, (psi)	2000
Steel Specification:	A500 Grade B, 50 ksi
Concrete pressure, (psi)	3000
$Si = p * d / 3$	Si = 640.00
$A = 2.34 * P / (Si * B)$	A = 2.86
$d = (A / 2) * (1 + (1 + (4.36 * H / A)))^{0.5}$	d = 4.81



**HONEYCUTT ENGINEERING**

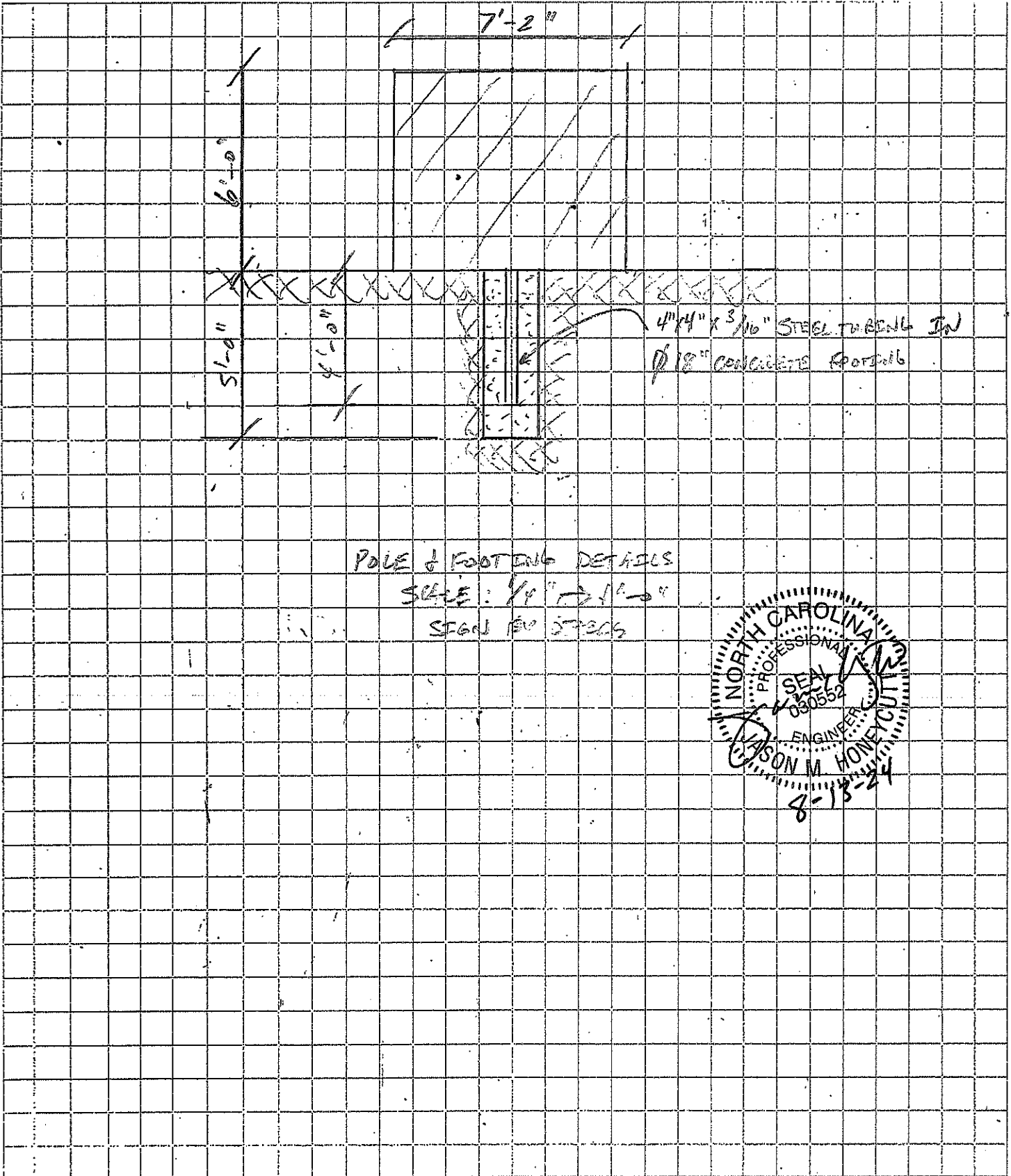
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POLE & FOOTING DETAILS

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

SIGN TO SPEC

