



Initial Application Date: _____

Application # _____

DRB # _____ CU # _____

COMMERCIAL

COUNTY OF HARNETT LAND USE APPLICATION

Central Permitting (Physical) 108 E. Front Street, Lillington, NC 27546 (Mailing) PO Box 65 Lillington NC 27546 Phone: (910) 893-7525 opt # 2 Fax: (910) 893-2793 www.harnett.org/permits

LANDOWNER: HHG Properties LLC Mailing Address: 3422 Sylvester Pk

City: Albany State: GA Zip: 31705 Contact # _____ Email: _____

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

City: Dunn State: NC Zip: 27334 Contact # 9108925900 Email: rtaylor@signandawning.net
*Please fill out applicant information if different than landowner

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

Address: 1693 Sadler Rd PIN: 1537-08-6530.000

Zoning: Industrial Watershed: _____ Flood: _____ Deed Book Page: 1

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 15' x 10') Use: 150 sq ft. road sign - 15' tall

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.

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

1-27-21
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.*****



SOUTHERN AG CARRIERS
120" x 180" ID Sign

2785 US Hwy 301 N, Dunn, NC 28834
 Ph: 910-892-5900 • Fax: 910-892-2140 • www.SignandAwning.com

NOTE: These designs are property of Sign & Awning Systems, Inc. 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.

HONEYCUTT ENGINEERING

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

Job: Southern Ag Carriers -- Harnett County**Sheet: 1 of 2****Calculated By: Jason M. Honeycutt****Date: 11/6/20****Sign Foundation Design For:**

Location =	Harnett County	Height of Sign Face, ft =	10
Design Wind Velocity (V), mph =	120	Width of Sign Face, ft =	15
Height of Structure (Z), ft =	15	Height of Flashing Face, ft =	5
Kz =	0.37	Width of Flashing Face, ft =	7
Exposure =	B	Length of Pole, ft =	0
Structural Classification =	I	Width of Pole, ft =	0
Importance Factor (I) =	1	Area of Sign Face, ft ² =	150
Gust Response Factor (Gh & Gz) =	1.65	Area of Flashing Face, ft ² =	35
Geometry Force Coefficient (Cf) =		Area of Pole, ft ² =	0
Round = 0.75, Square/Rect = 1.2	1.2	Moment Arm of Sign Face, ft =	10
Max Allow. Stress, ksi =	23	Moment Arm of Flashing Face, ft =	2.5
Number of Poles =	1	Moment Arm of Pole, ft =	0

Determine Velocity Pressure:

$$Q_z = 0.00256 * K_z * (1 * V)^2 \quad Q_z = 13.6$$

Determine Wind Force:

$$F = Q_z * (G_h \& G_z) * C_f * A$$

Sign:	Fs =	4.05
Flashing:	Ff =	0.95
Pole:	Fp =	0.00
	Ftotal (kips) =	5.00

Moment Calculations:

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

Sign:	Ms =	40.51
Flashing:	Mf =	2.36
Pole:	Mp =	0.00
	Mtotal (kips-ft)	42.87

Section Requirement Calculation:

$$S_{req} = M_{total} / \text{max allowable stress} \quad S_{req} (\text{in}^3) = 22.368$$

Embedment Depth Required:

**USE: 10" x 10" x 1/4" OR
8" x 8" x 5/8" Steel Tubing**

Force on Pole (P), lbs =	4996
Height Above Ground the Load Is Applied (H), ft =	8.58
Diameter of Foundation or Pole (B), ft =	3
Passive Soil Allowable Pressure (p), psi =	
Ranges from 100 - 400	400
Assumed depth (d), ft =	8
Soil pressure, (psi)	2000
Steel Specification:	A500 Grade B, 50 ksi
Concrete pressure, (psi)	3000

$$S_i = p * d / 3 \quad S_i = 1066.67$$

$$A = 2.34 * P / (S_i * B) \quad A = 3.65$$

$$d = (A / 2) * (1 + (1 + (4.36 * H / A)))^{0.5} \quad d = 7.95$$



HONEYCUTT ENGINEERING

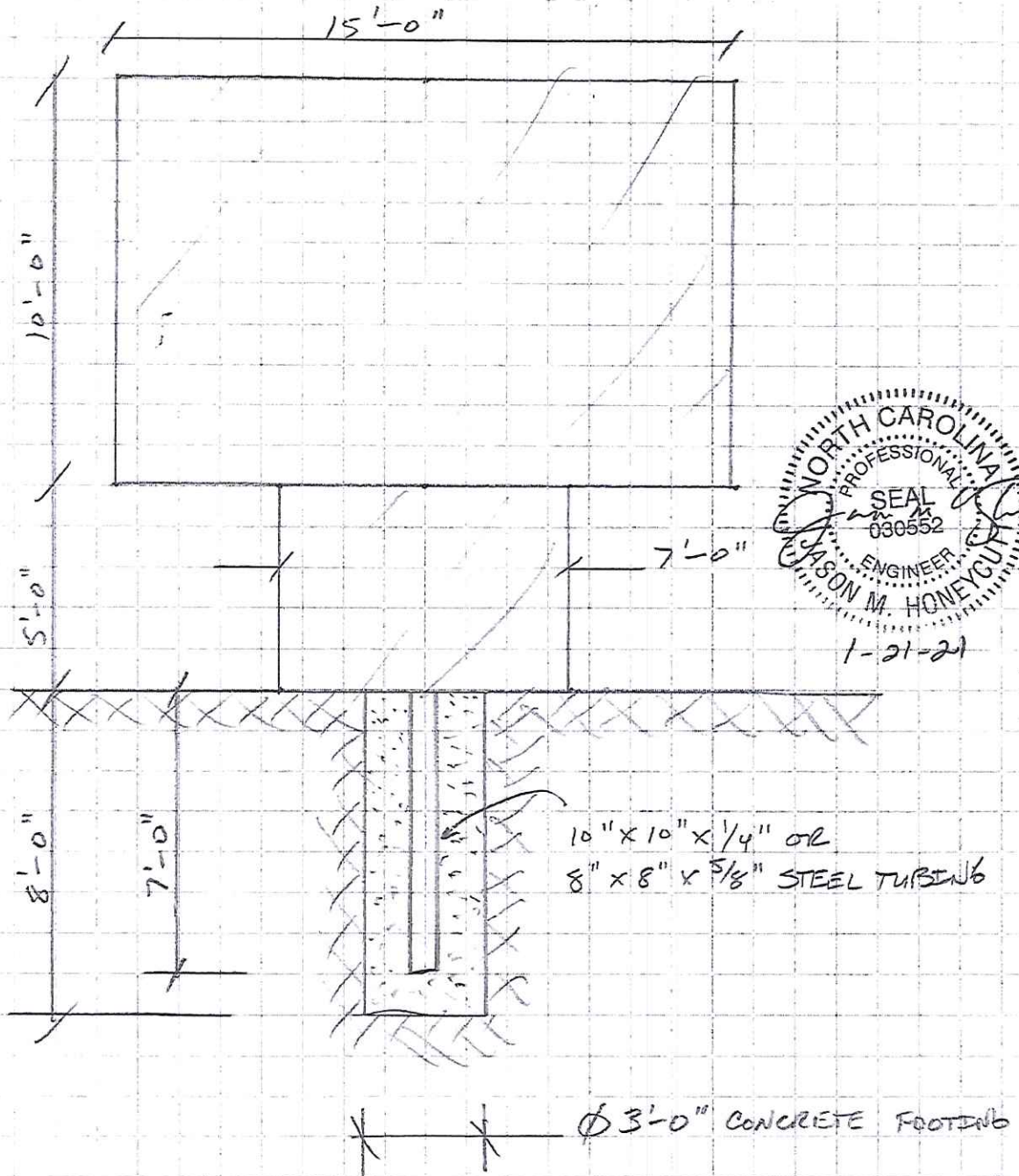
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Job: Southern Ag Carriers – Harnett County

Sheet: 2 of 2

Calculated By: Jason M. Honeycutt

Date: 11/6/20



POLE + FOOTING DETAILS
SCALE: 1/4" → 1'-0"
SIGN BY OTHERS