



ASM Engineering, PLLC

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October 15, 2025

Attn: Erickson Homes
1507 Slocomb Rd.
Linden, NC 28356

Re: 10 Henschel Ln.
Broadway, NC 7505
ASM #25068

Dear Mr. Erickson,

ASM Engineering, PLLC (ASM) performed an inspection at the above referenced site on October 14, 2025. The purpose of the site visit was to inspect the foundation components.

The following foundation items were checked at the time of the inspection.

FOUNDATIONS:

3.1	provide min. 8"x16" piers(1&2 story up to 100sqft. Of tributary area I 2 Y, story max. 50sqft. Of tributary area)	tbl403.1a
3.2	provide min. 16"x16" piers(2 story150sqft. Tributary area and greater I 2 Y, story up to 200sqft. Of tributary area)	tbl403.1a
3.3	provide min. 16"x24" piers(2 Y, story > 200sqft. Of tributary area	tbl403.1a
3.4	provide min. 4" solid cap for 1 story or 8" solid cap for 2 & 2 Y, story	606.7.1
3.5	max. unsupported height of piers = 10x least dimension(solid) & 4x least dimension(hollow)	606.7
3.6	6" foundation walls must be solid or fully grouted	tbl404.1.1(1)
3.7	maximum height of unbalanced fill for 8" cmu wall (hollow) = 4'	tbl404.1.1(1)
3.8	provide engineering for foundation walls	404.1.3
3.9	provide lateral support for curtain walls @ max. 18x thickness	404.1.5.3
3.10	provide Y," anchor bolts w/17" embedded @ 6'o.c. and 12" from corners I ends of plate sections	403.1.6
3.11	alternate anchor straps not installed per manufacturers installation instructions	
3.12	provide foundation drain (interior grade 12" or greater below exterior grade	405.1
3.13	provide foundation dampproofing (outside grade higher than inside grade)	406.1
3.14	provide foundation water proofing (foundation encloses habitable or usable space)	406.2
3.15	provide minimum foundation ventilation (1sqft. I ea. 150sqft. Or 1sqft. I ea. 1500sqft. Wlvapor barrier)	408.1.1
3.16	provide 1 ventilation opening within 3' of each corner of building	408.1.2
3.17	provide minimum 18" x 24" access opening	408.8

This letter certifies that the foundation meets or exceeds the requirements of Chapter 4, from the NC 2024 Residential Building Code.

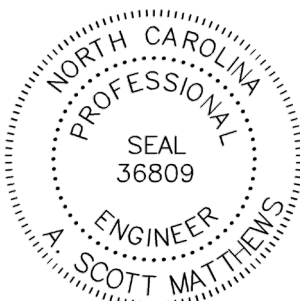
ASM has determined that the backfill on the exterior of the foundation walls cannot exceed the height of the 12" CMU Block located at the base of the garage foundation wall. ASM also recommends that the concrete slab located in the proposed garage be reinforced with a layer of #57 Stone prior to pouring the slab.

ASM attached pictures of the foundation inspection in the following pages.

Thank you for this opportunity to serve you. Please contact ASM Engineering, PLLC. for any further information.

Sincerely,

A. Scott Matthews, PE
President



10/15/25



Figure 1.0

Location



Figure 2.0

Overall Foundation



Figure 3.0

Piers



Figure 4.0

Access Door