A renovation project for:

The Cully/Wiggers Family

Glen Cove | 125 Pritchard Street | Town of Bluffton | SC

abtaylor

Cusabo Place | Hilton Head Island | SC | 29926 | 843

Revisions Date

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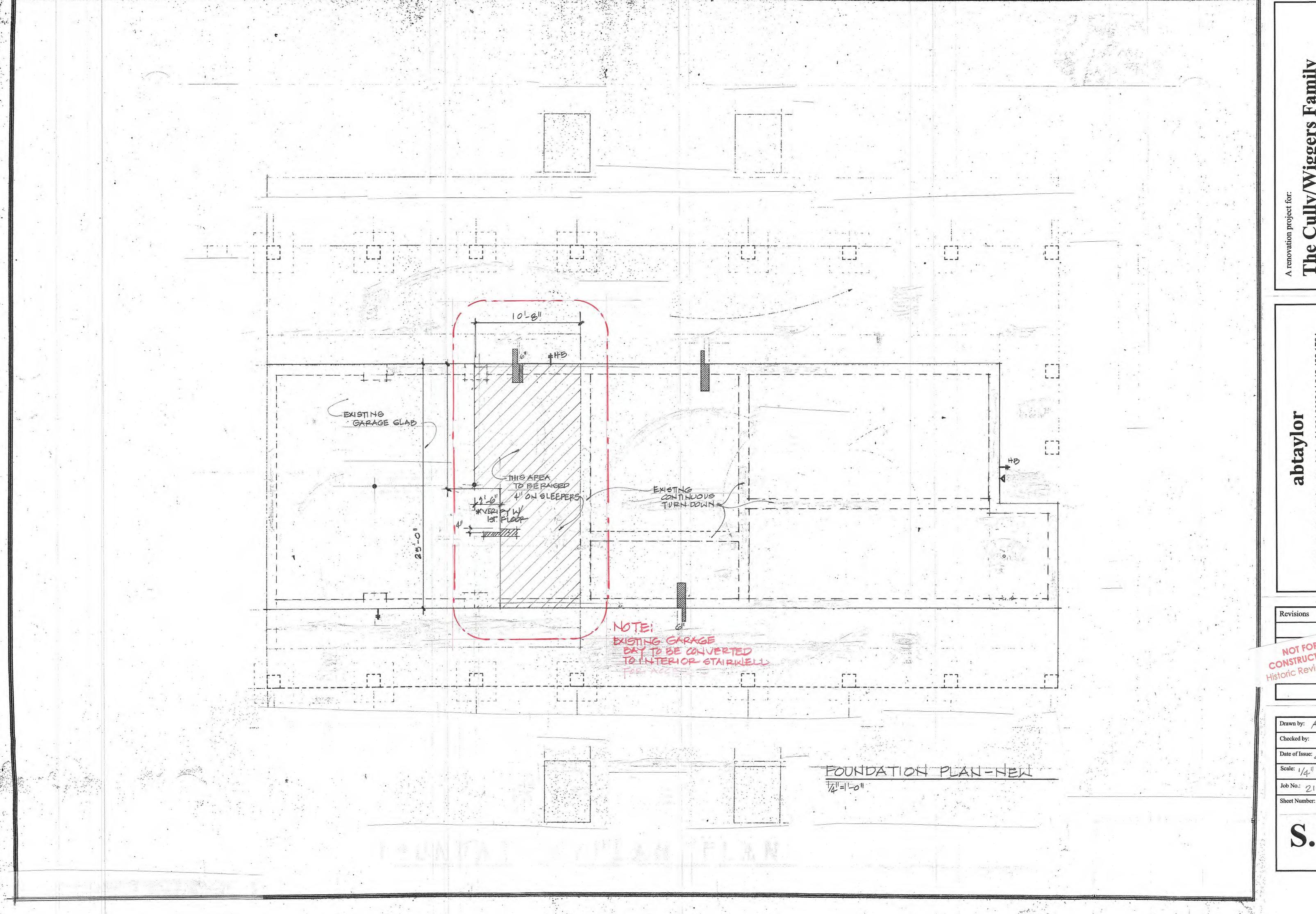
Date of Issue: 9.1.21

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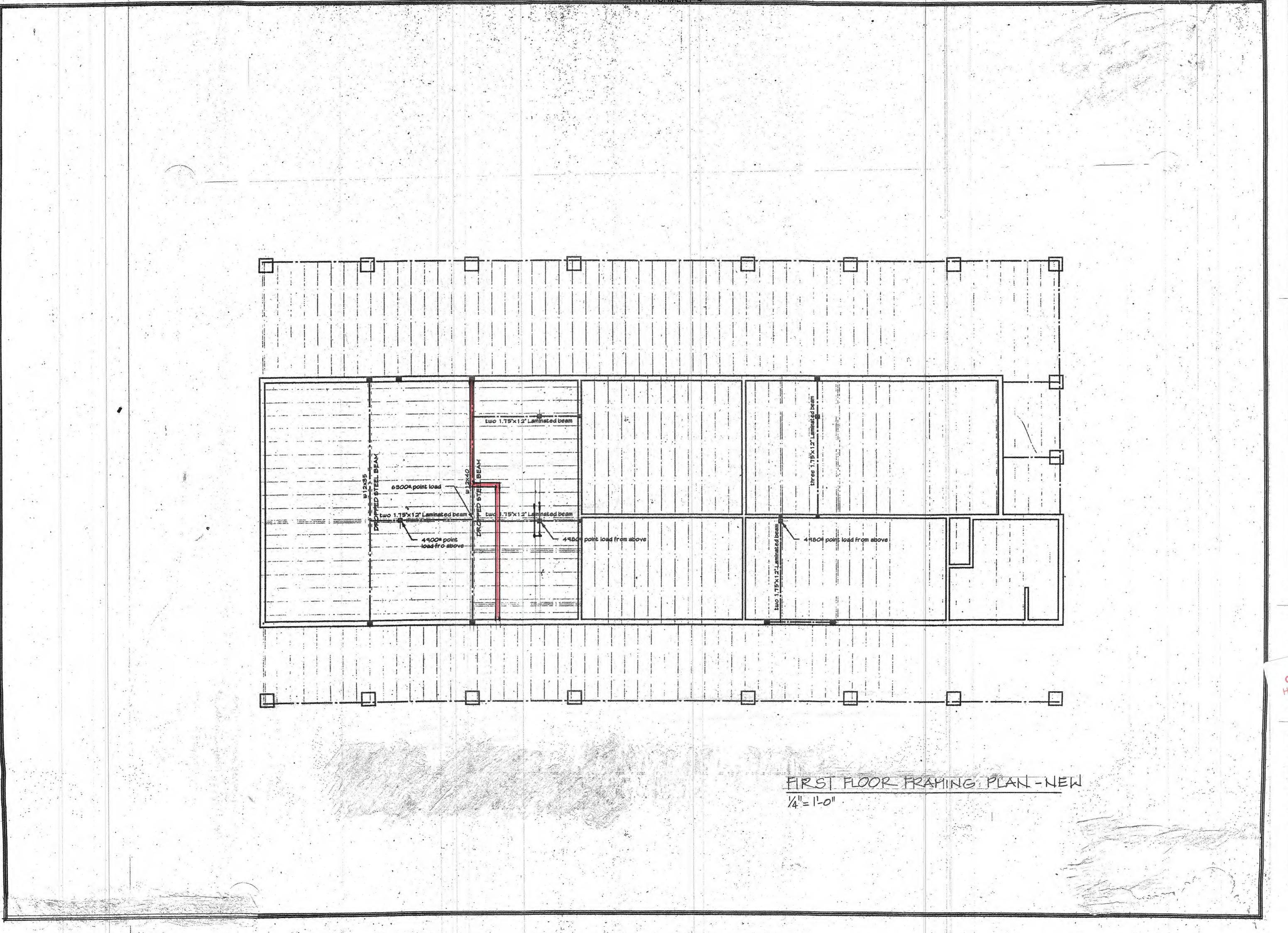
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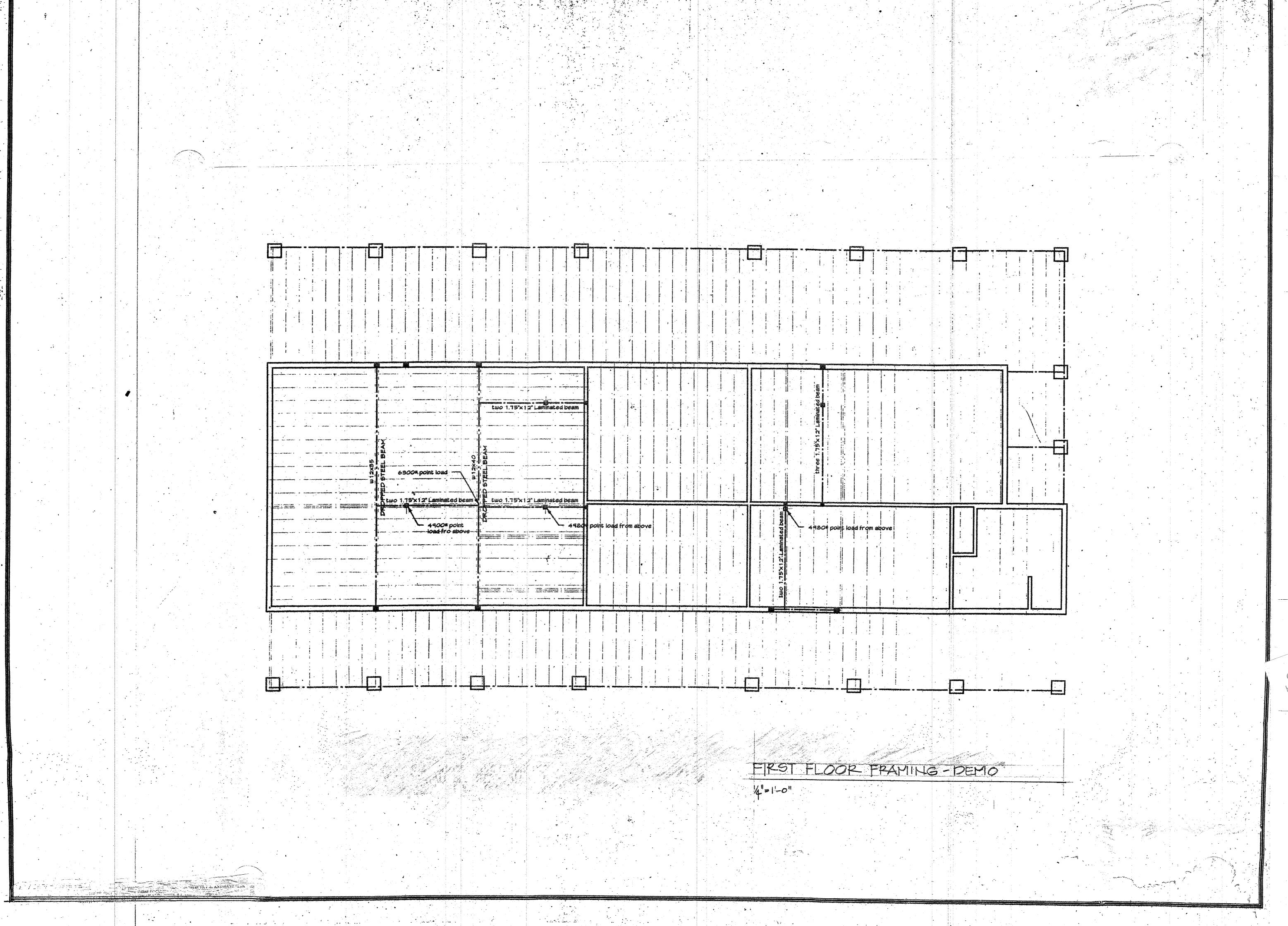
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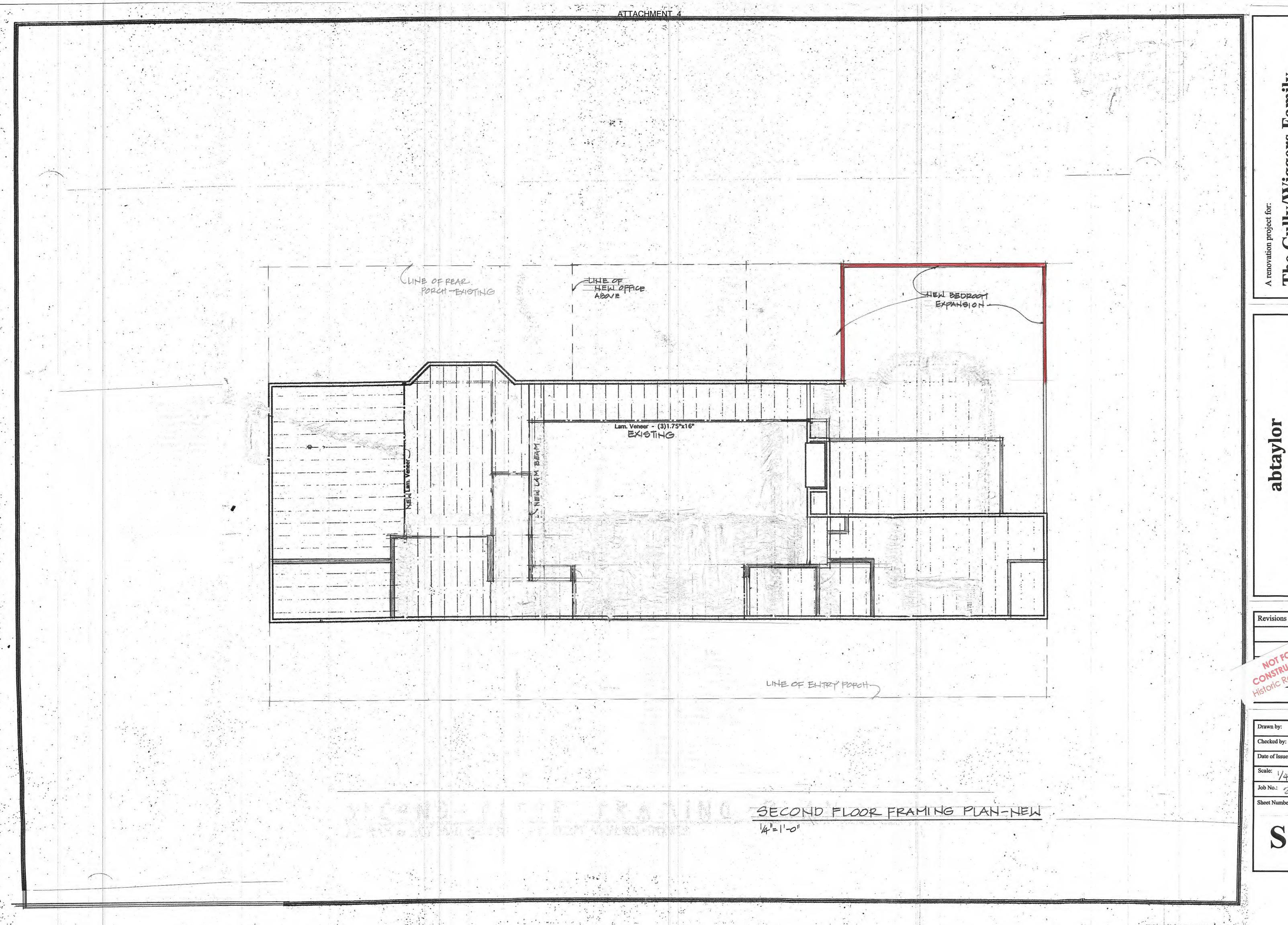
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Family Wiggers

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THIS APEA

TO BE PEMONED Beam & Bedroom

Unsupported Span: 14 feet - inches

Member: Beam

Loading Conditions:

700 lb/lin.ft. Uniform Load

Deflection (allowable): L/400

Material: Laminated Vencer Lumber

Fb = 2800 Fv = 285 E = 2000000

Member Size: Lam. Vencer - (3)1.75" x12"

Section Modulus (mbr.): 123.38

Moment of Inertia (mbr.): 732.62

Section Modulus (regd): 73.50

Moment of Inertia (regd): 720.29 Lam, Veneer - (3)1.75"x16" Section Modulus (requ): 75.30
Moment of Inertia (reqd): 720.29
Maximum End Reaction: 4900 lb.
Shear Stress: 35% of allow.
Deflection (actual): 0.41\*(1./400)
Size Factor: 1.00
Load Duration Factor: 1.00
Maximum Moment: 205800.00 in. lbs.
Mix. Moment @ 84.00 inches from the support. Lam. Veneer - (3)1.75"x16" Beam @ Loft
Unsupported Span: 23 feet - 8 inches
Member: Beam Loading Conditions:
284 lb/lin.ft. Uniform Load
1597 lb. @ 38 in from Support
1597 lb. @ 250 in from Support
Deflection (allowable): L/400 Material: Laminated Veneer Lumber Pb = 2800 Pv = 285 E = 2000000 Pb = 2800 Fv = 285 E = 2000000

Member Size: Lam. Vencer - (3)1.75" x16"

Section Modulus (mbr.): 224.00

Moment of Inertia (mbr.): 1792.00

Section Modulus (reqd): 105.75

Moment of Inertia (reqd): 1783.98

Maximum End Reaction: 4980 lb.

Shear Stress: 28% of allow. Deflection (actual): 0.70° (L/400)

Size Factor: 0.96

Load Duration Factor: 1.00

Maximum Moment: 296108.15 in. lbs.

Max. Moment @ 141.44 inches from the support. SECOND FLOOP FRAHING PLAN-DEHO 1/4"=1-0"

ATTACHMENT 4

The Cully/Wiggers Family and Cove | 125 Pritchard Street | Town of Bluffton | SC

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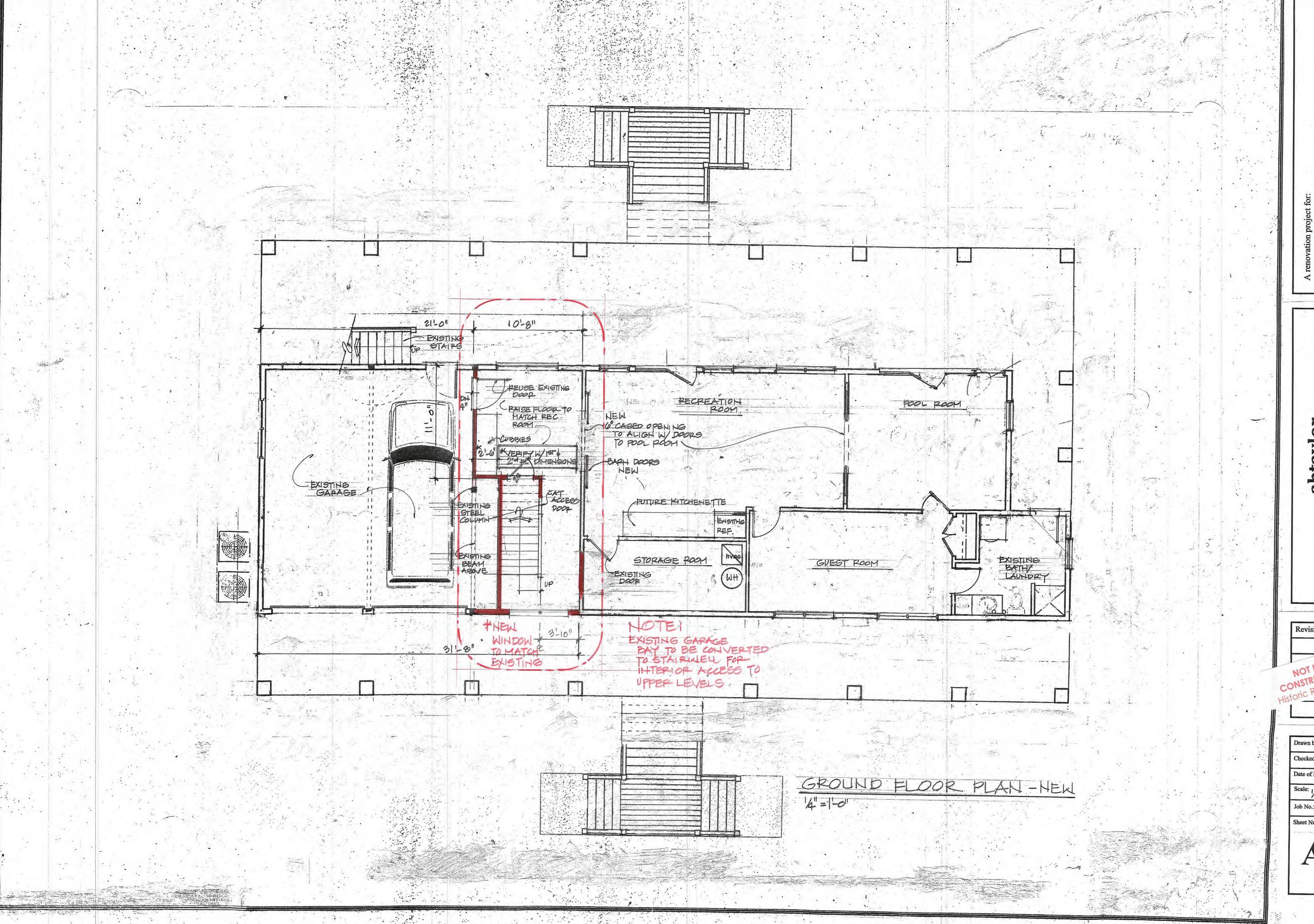
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Family

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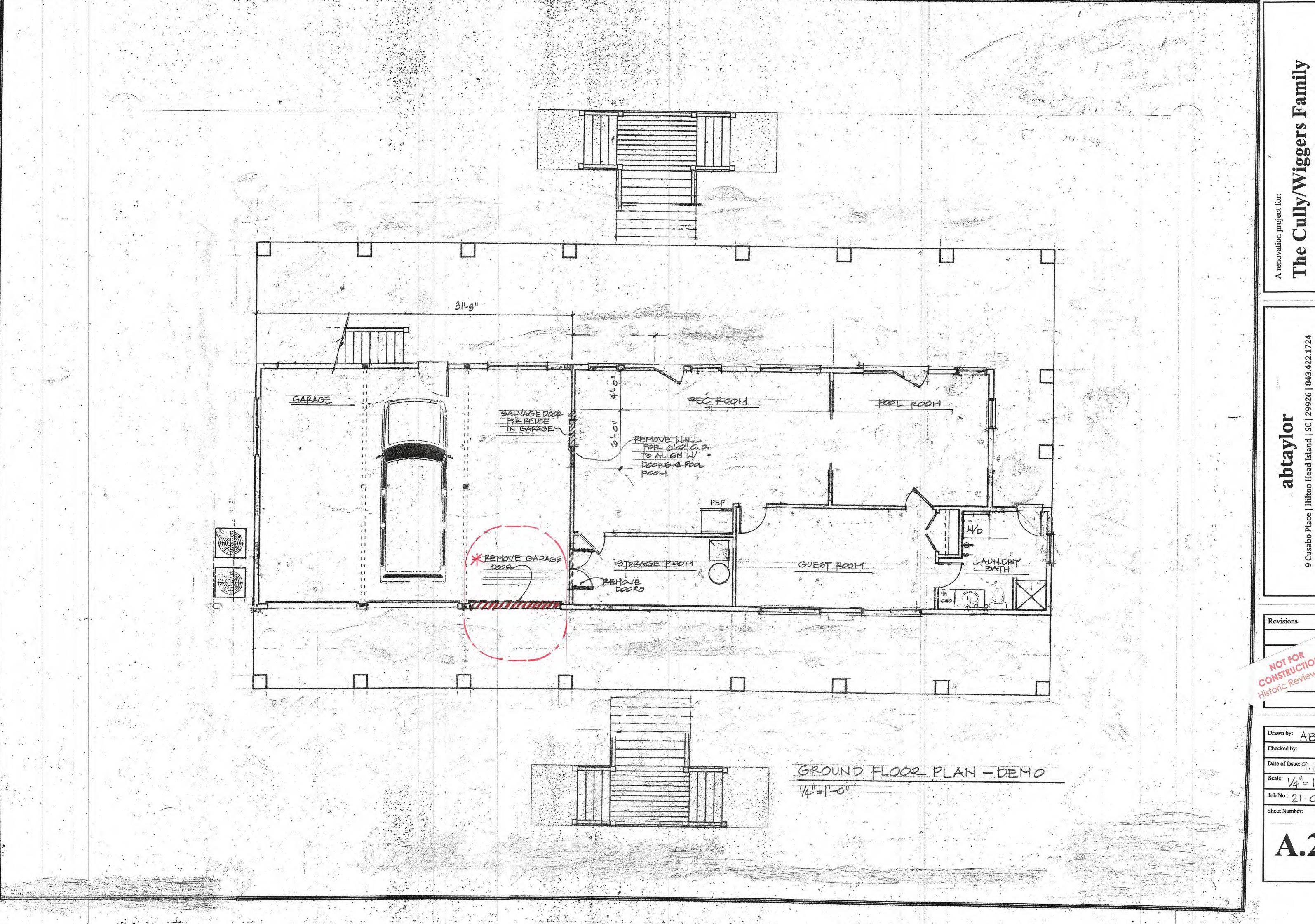
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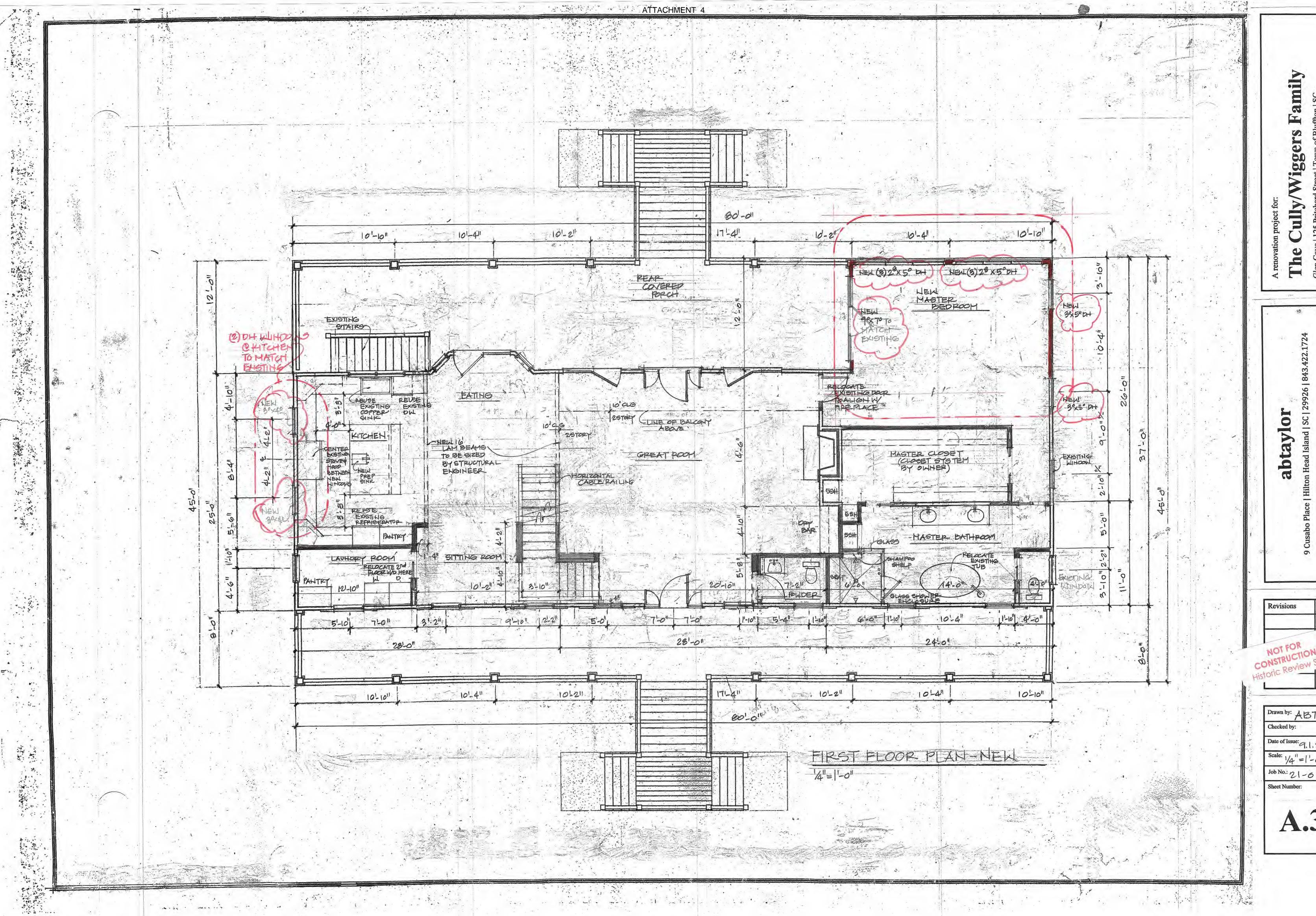
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Sheet Number:

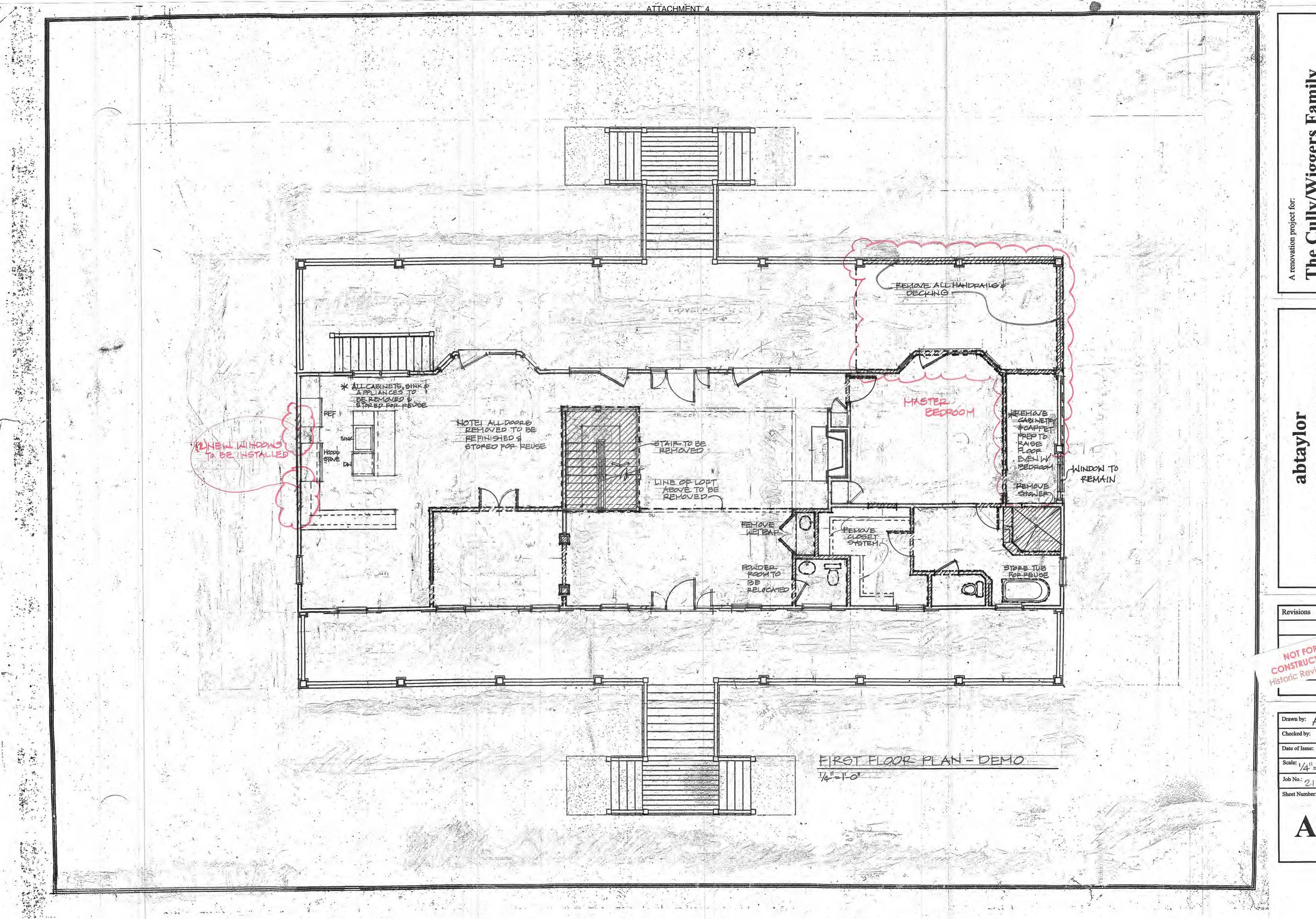
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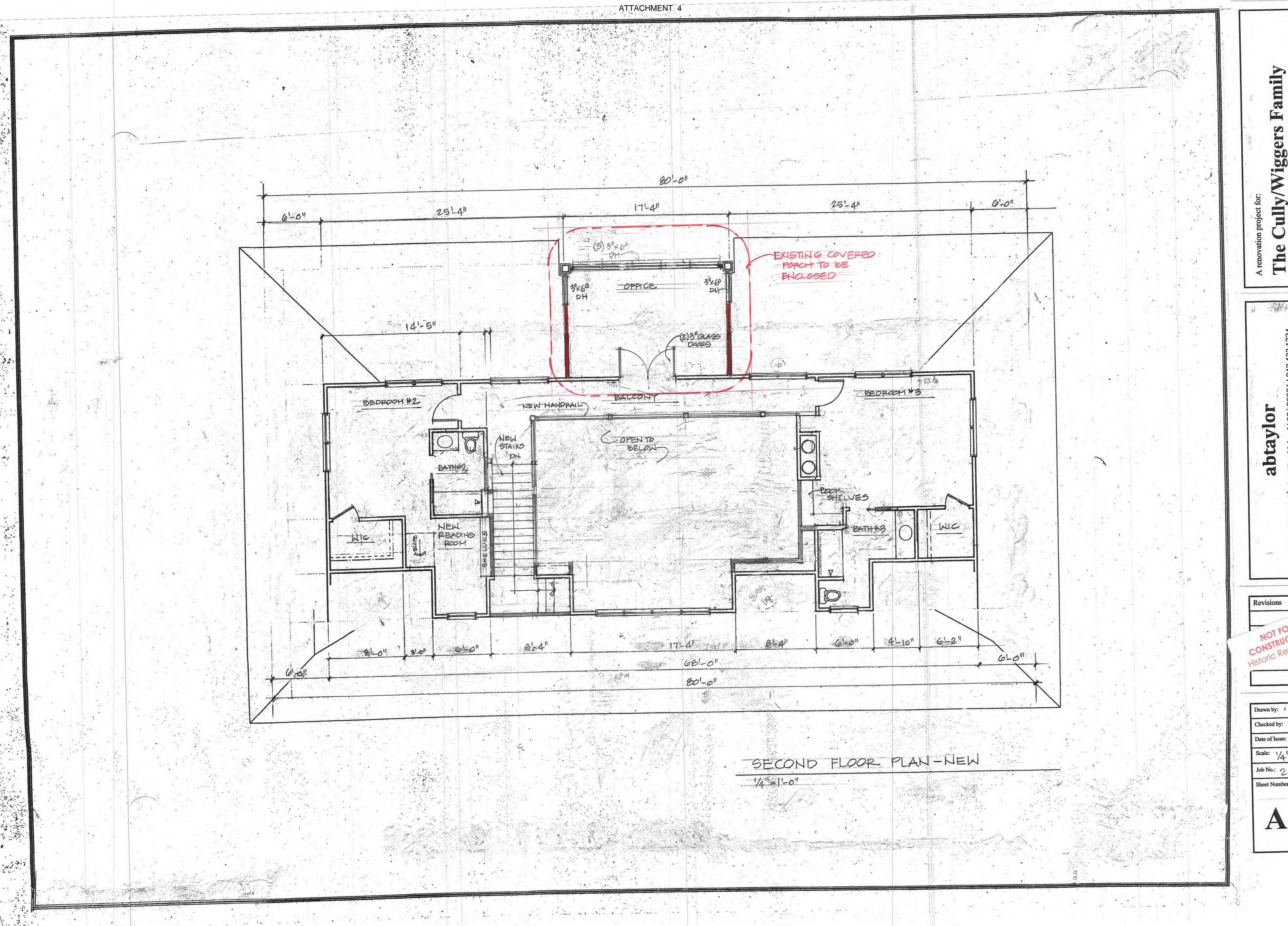


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Family Wiggers

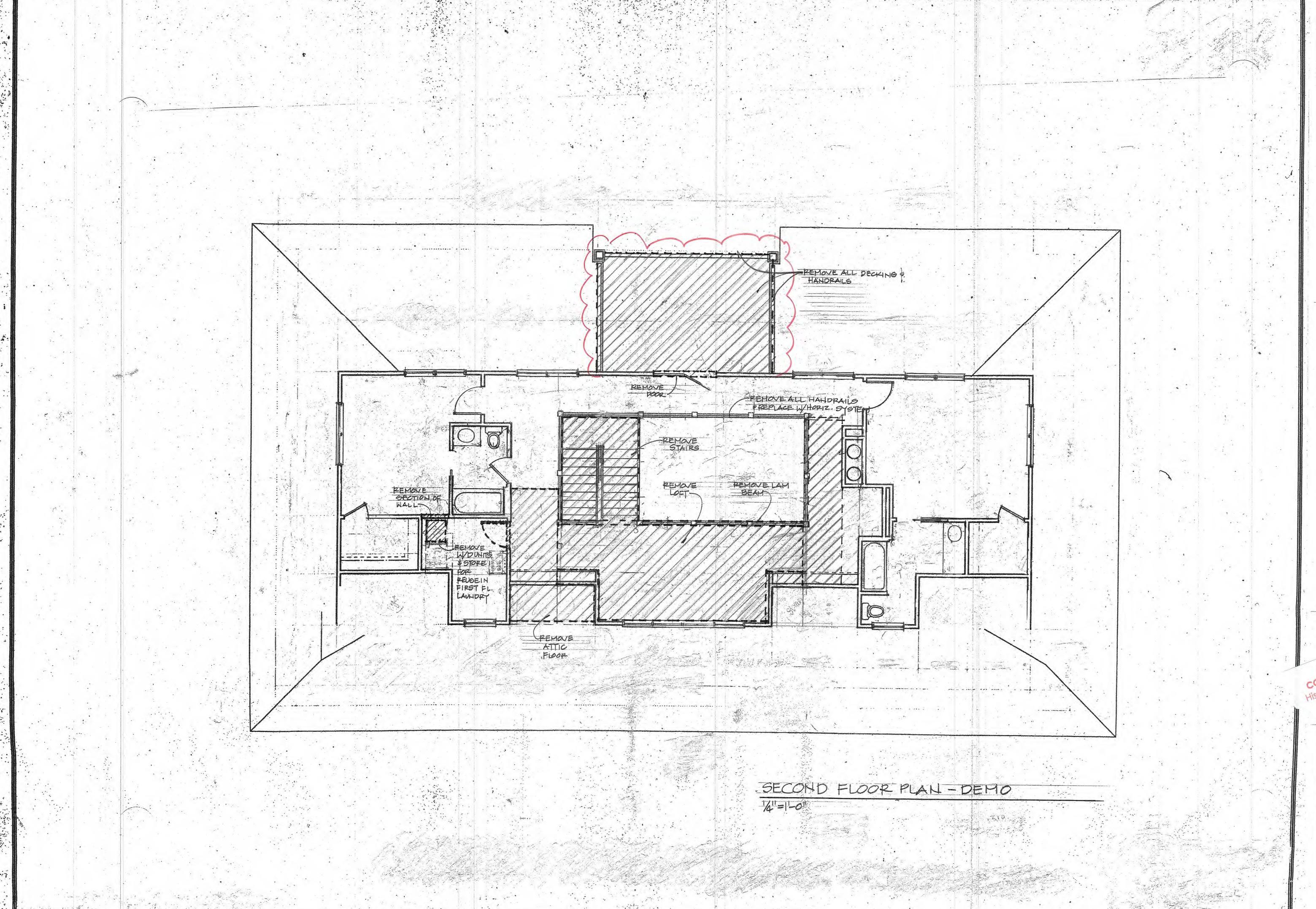
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Date of Issue: 9.1.21 Scale: 1/4"=11-011 Job No.: 21-014 Sheet Number:



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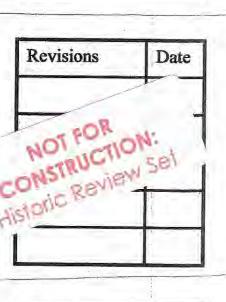
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Cully/Wiggers Family
125 Pritchard Street | Town of Bluffton | SC

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9 Cusabo Place | Hilton Head Island | SC | 29926 | 843.422.1

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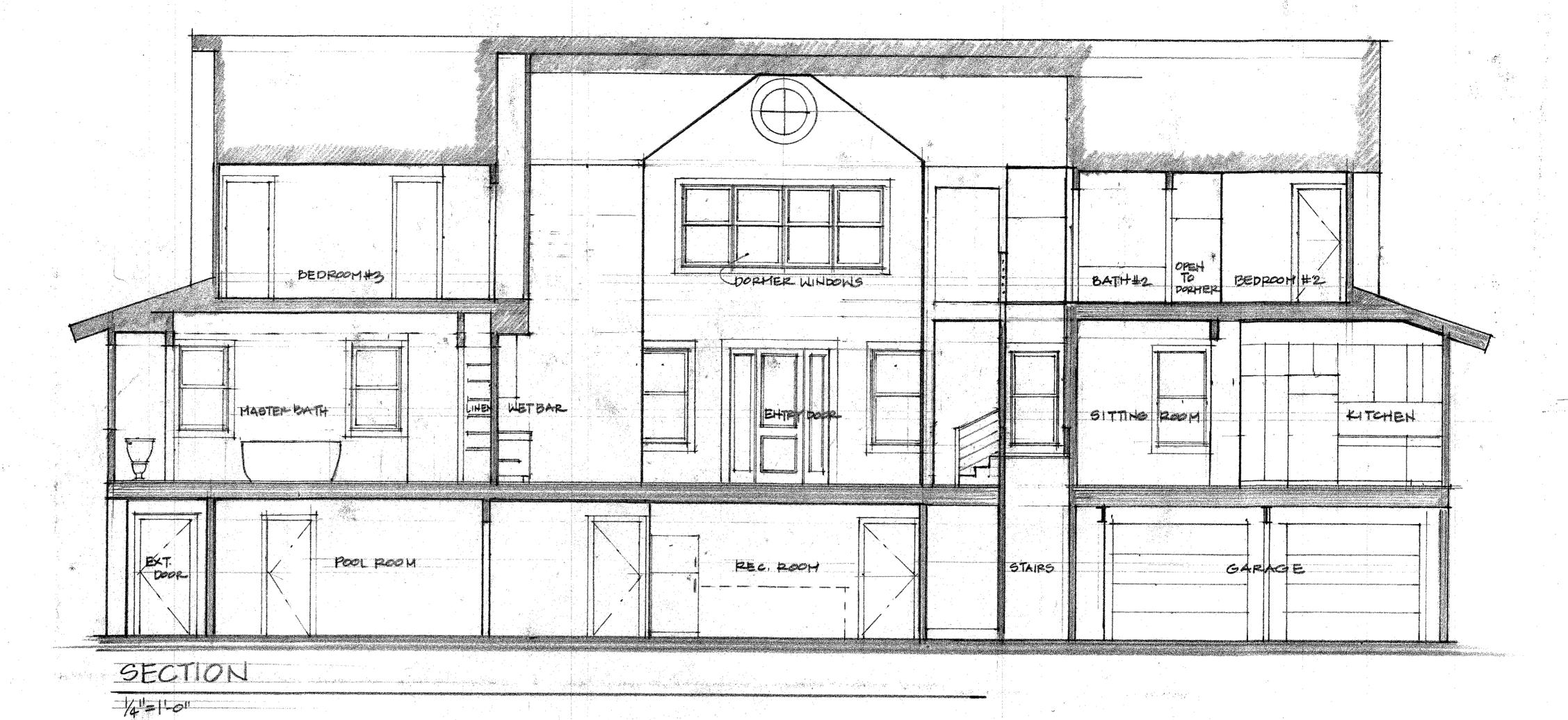
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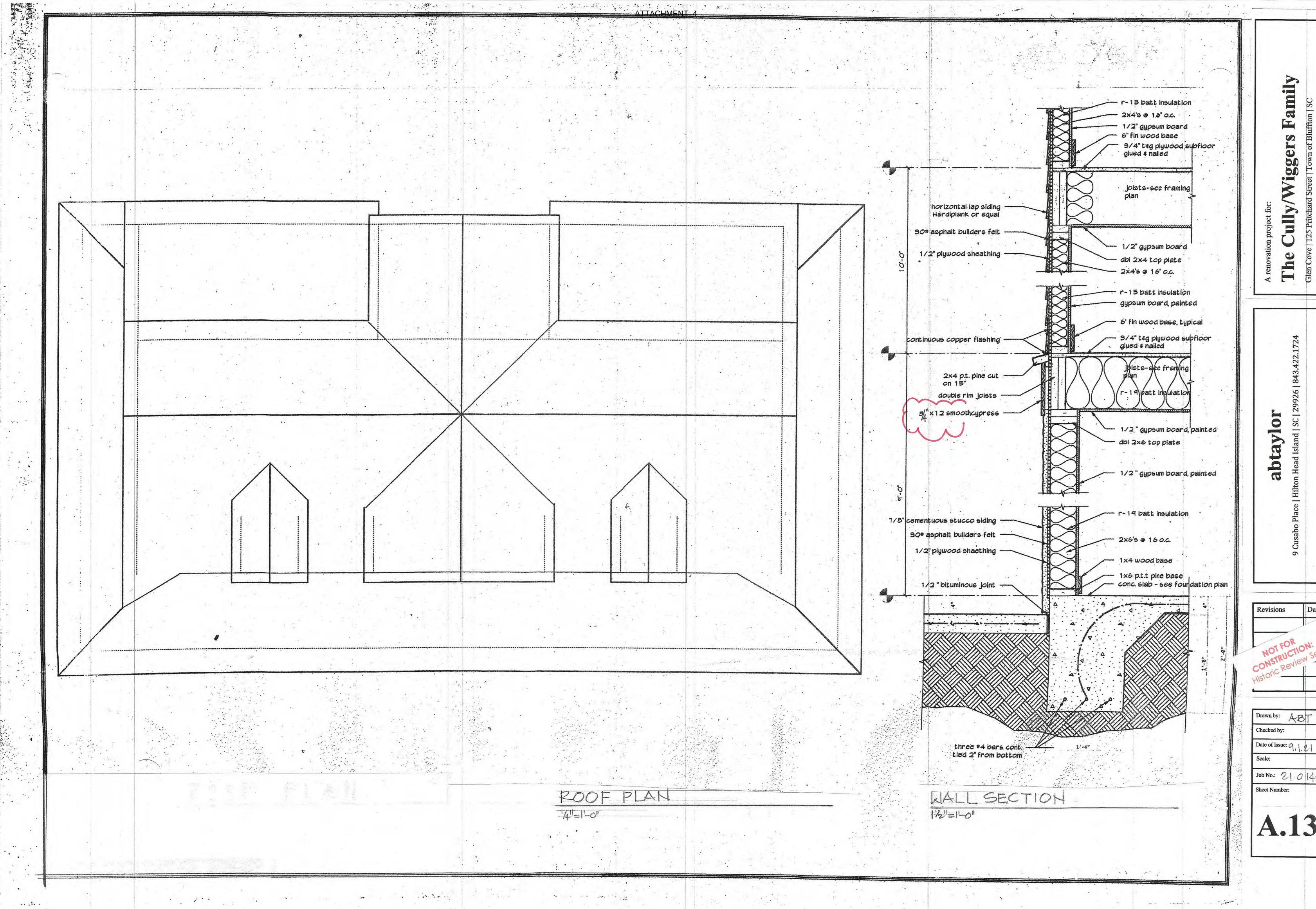


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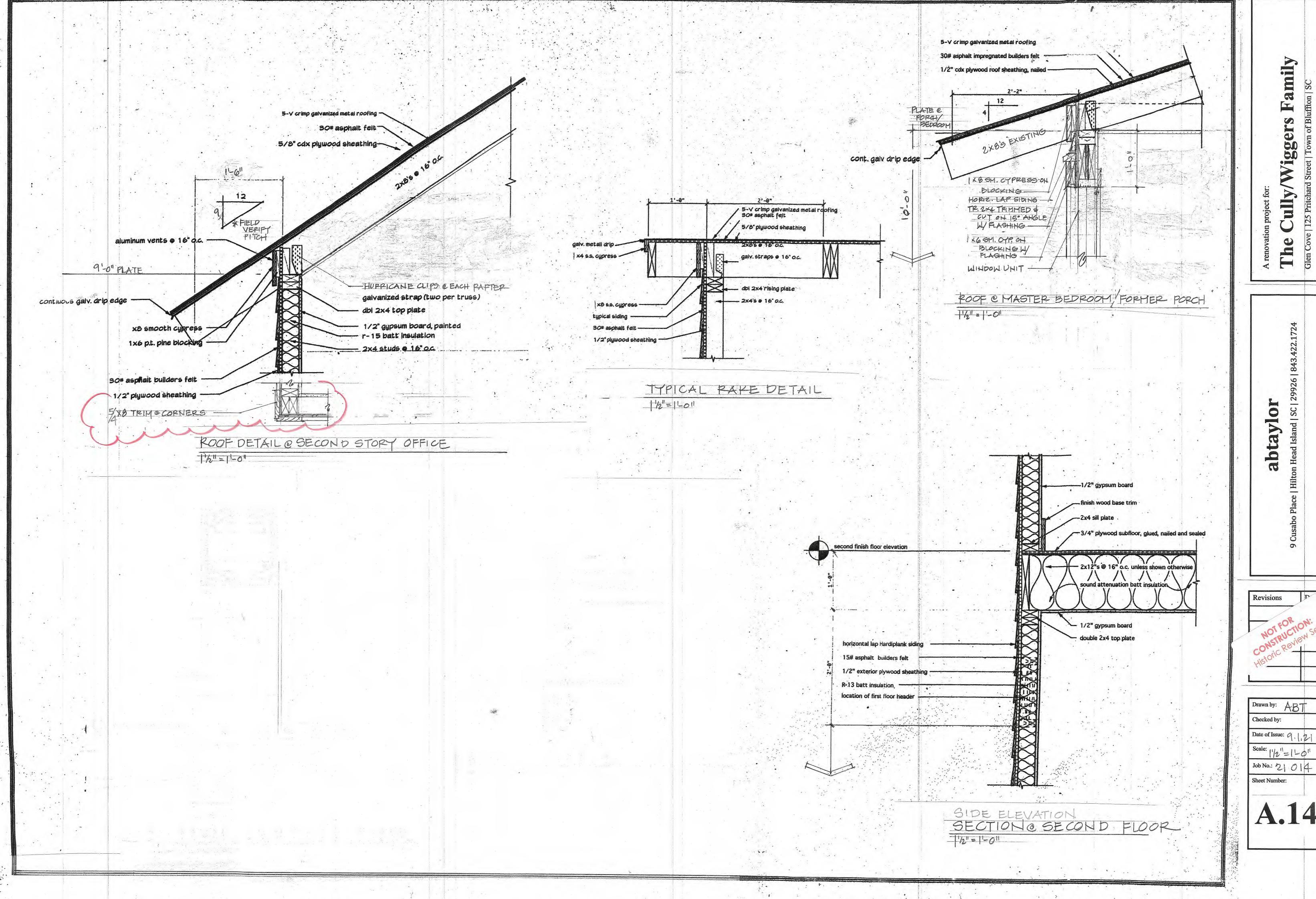
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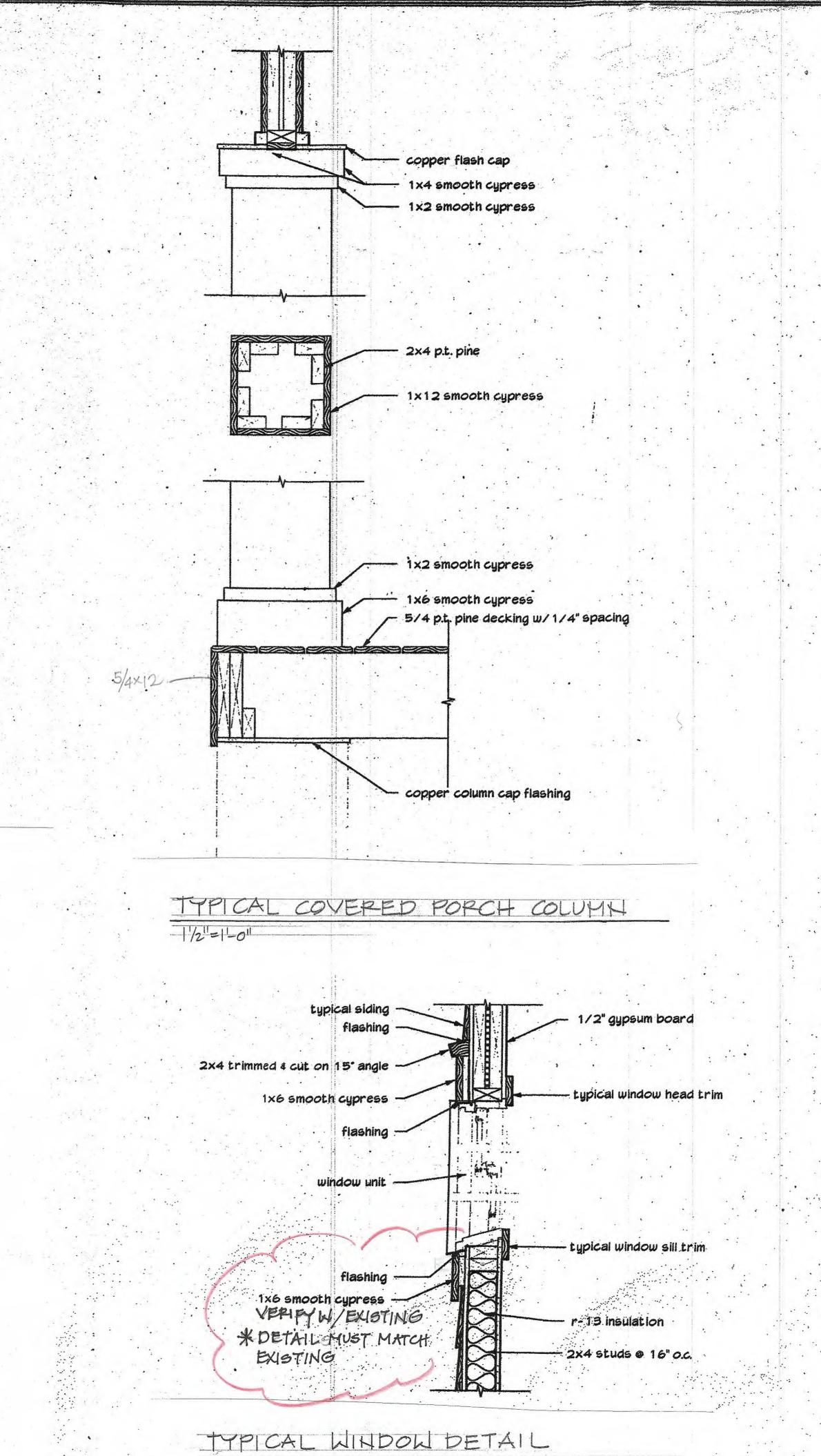


Job No.: 21014



ATTACHMENT 4

Date of Issue: 9.1,2

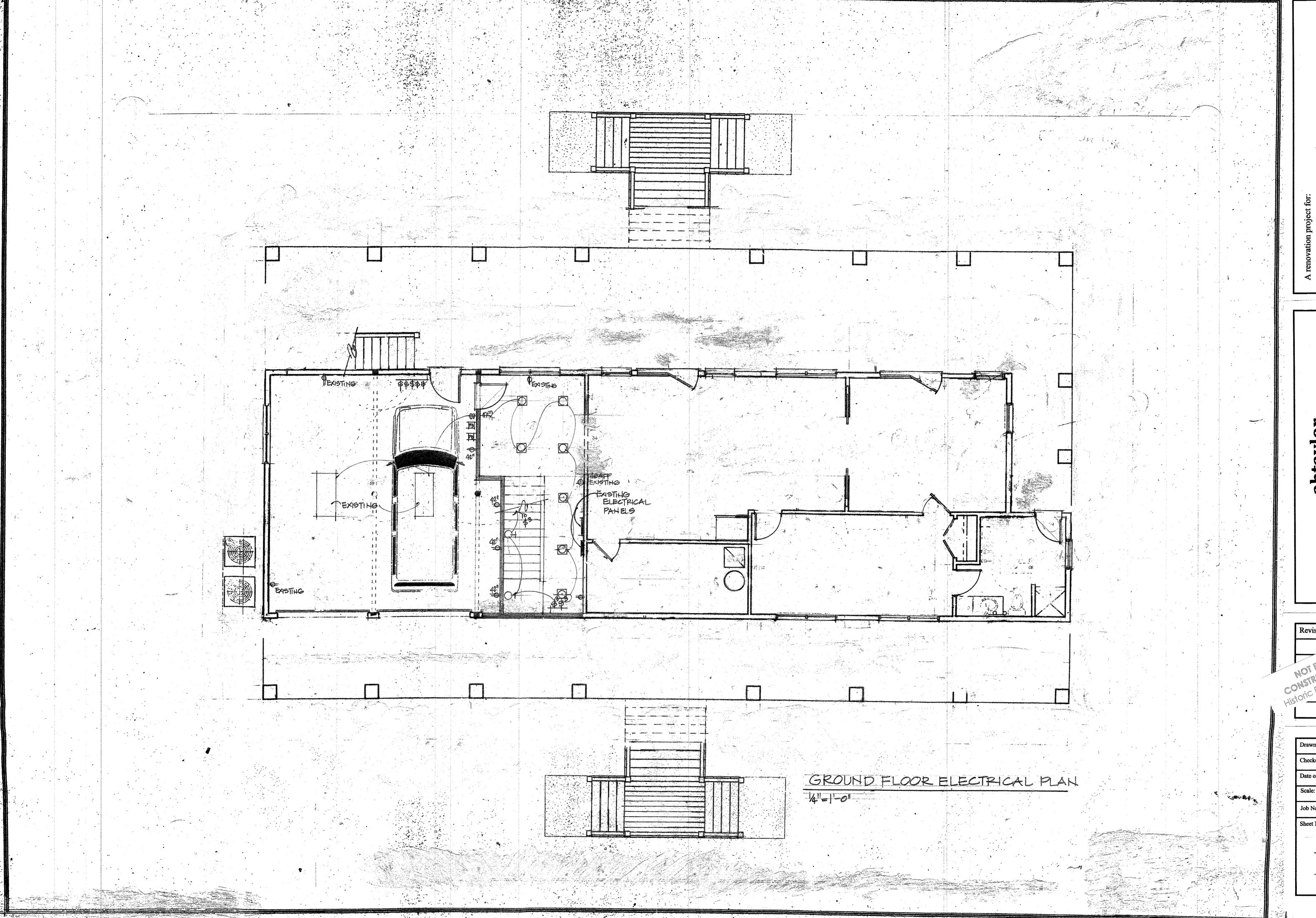


Cully/Wiggers Family | 125 Pritchard Street | Town of Bluffton | SC

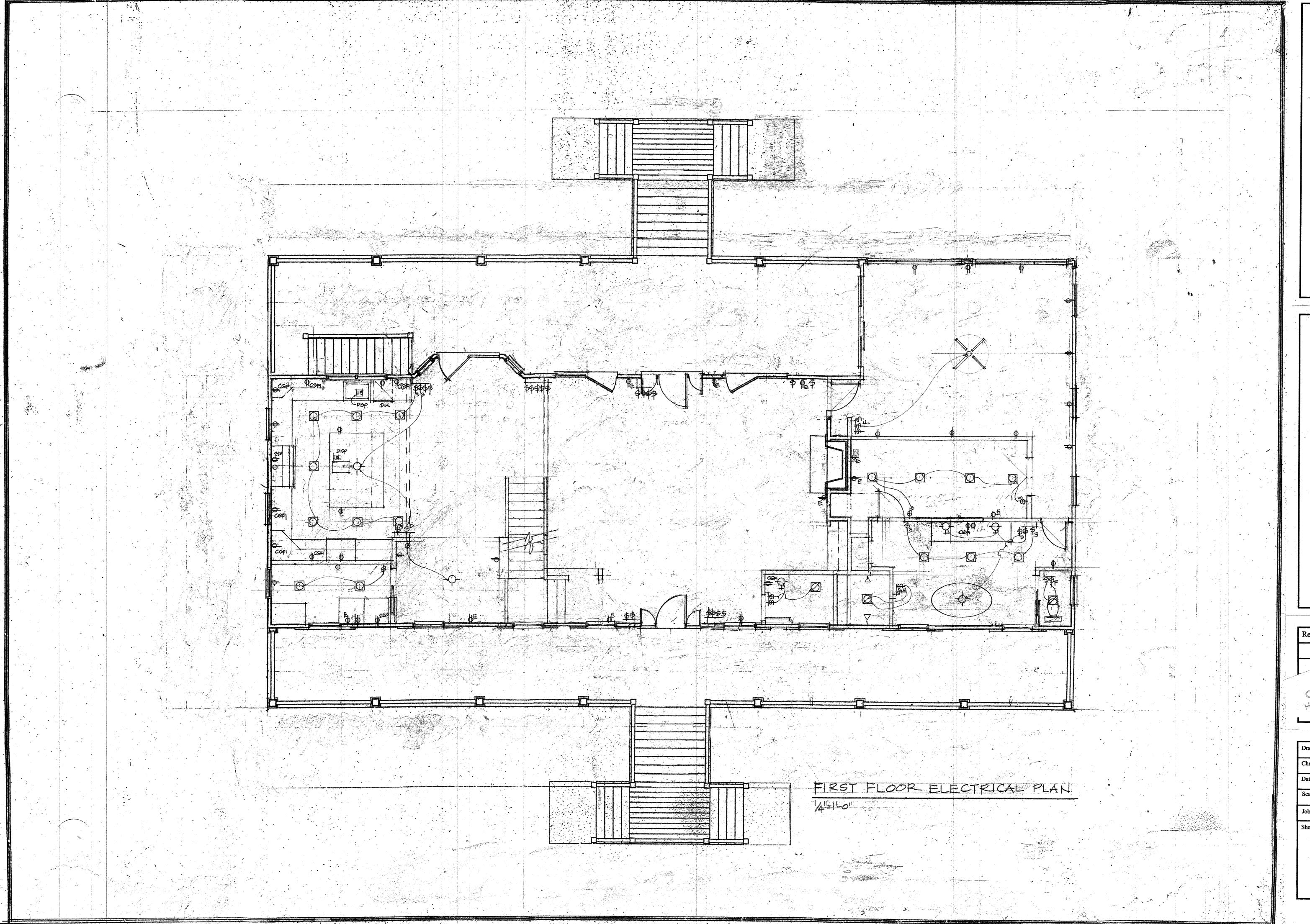
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Job No.: 21.014 Sheet Number:

-1/2"=1-0"

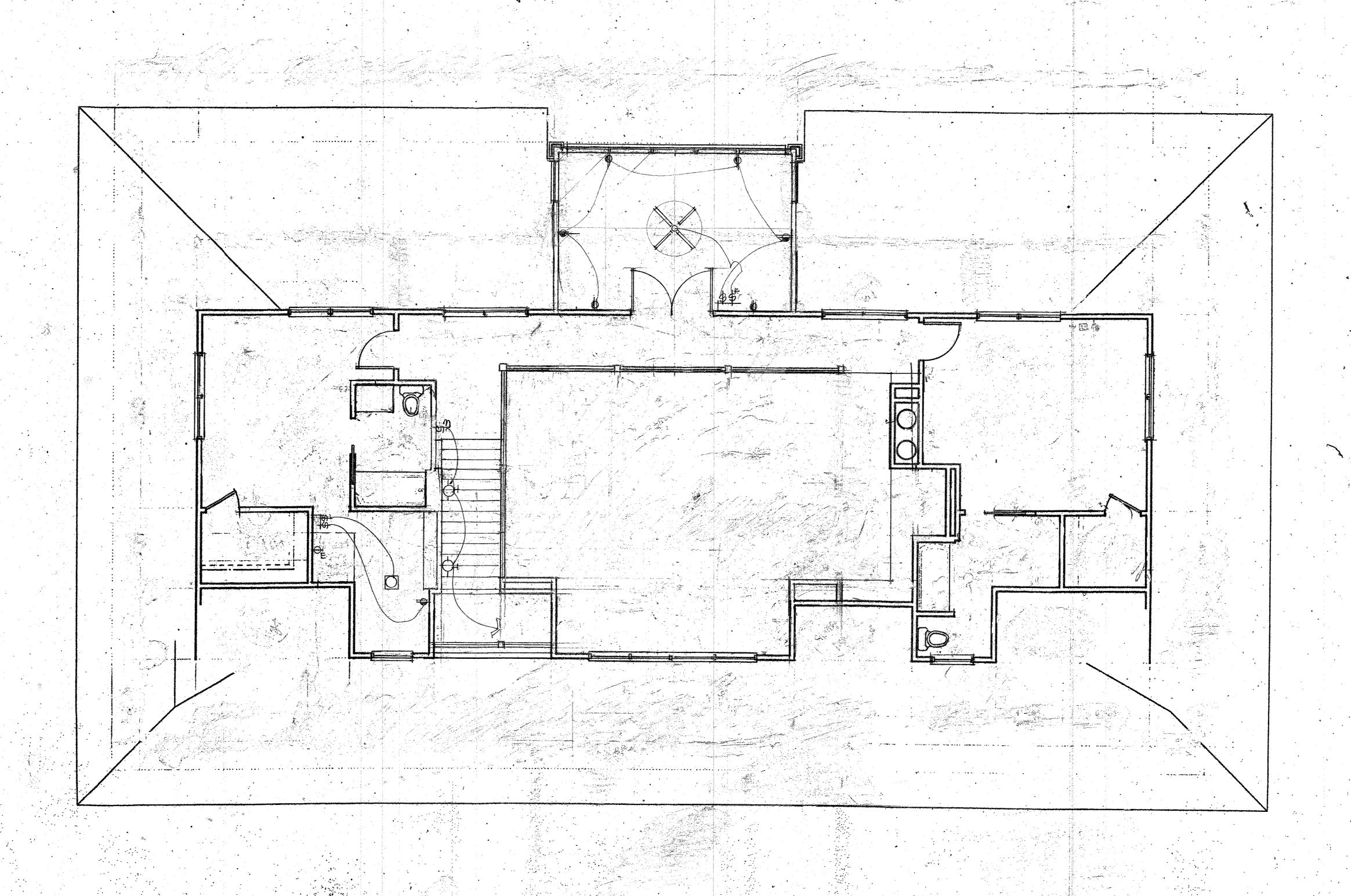


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