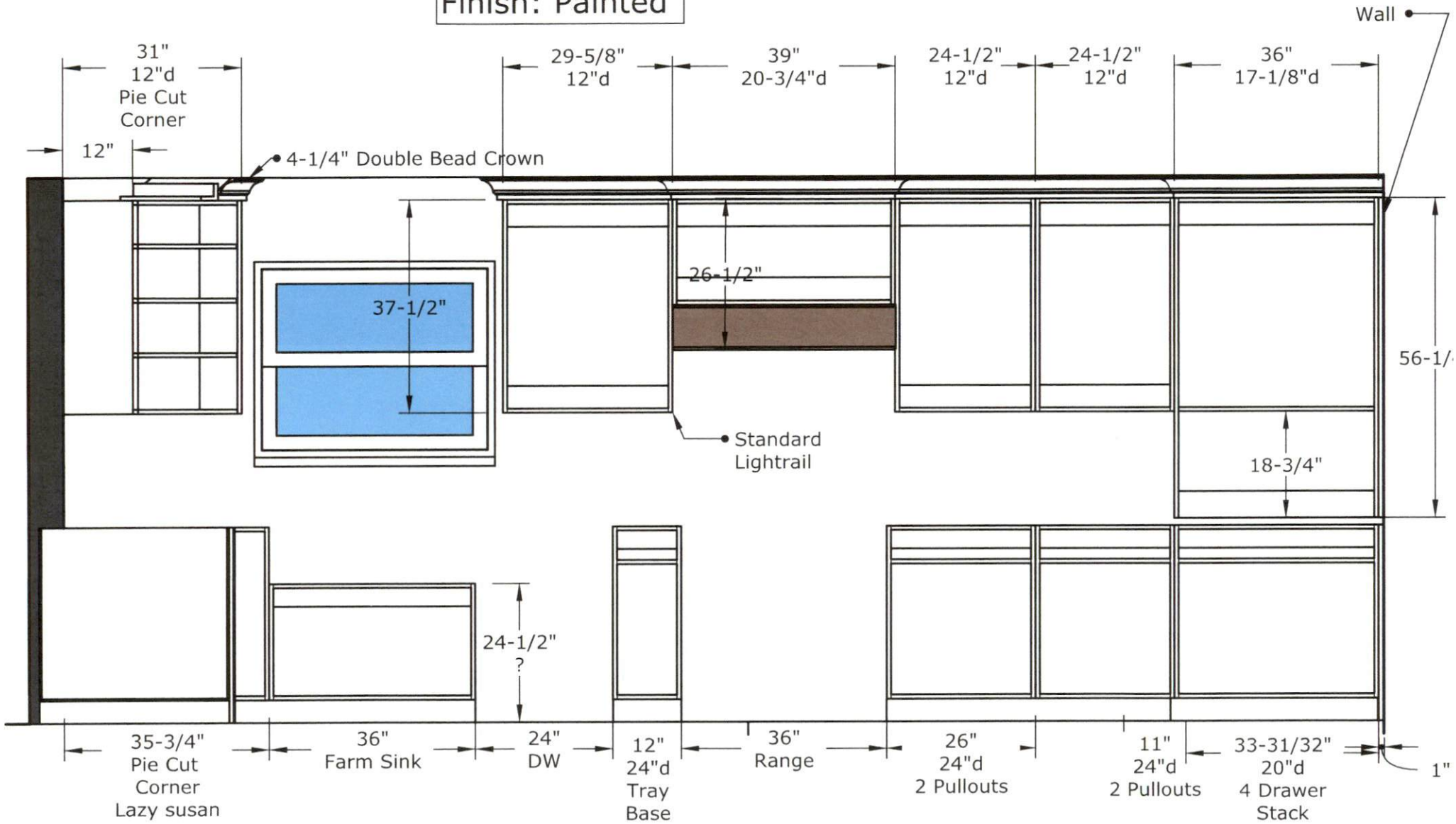


*New layouts*

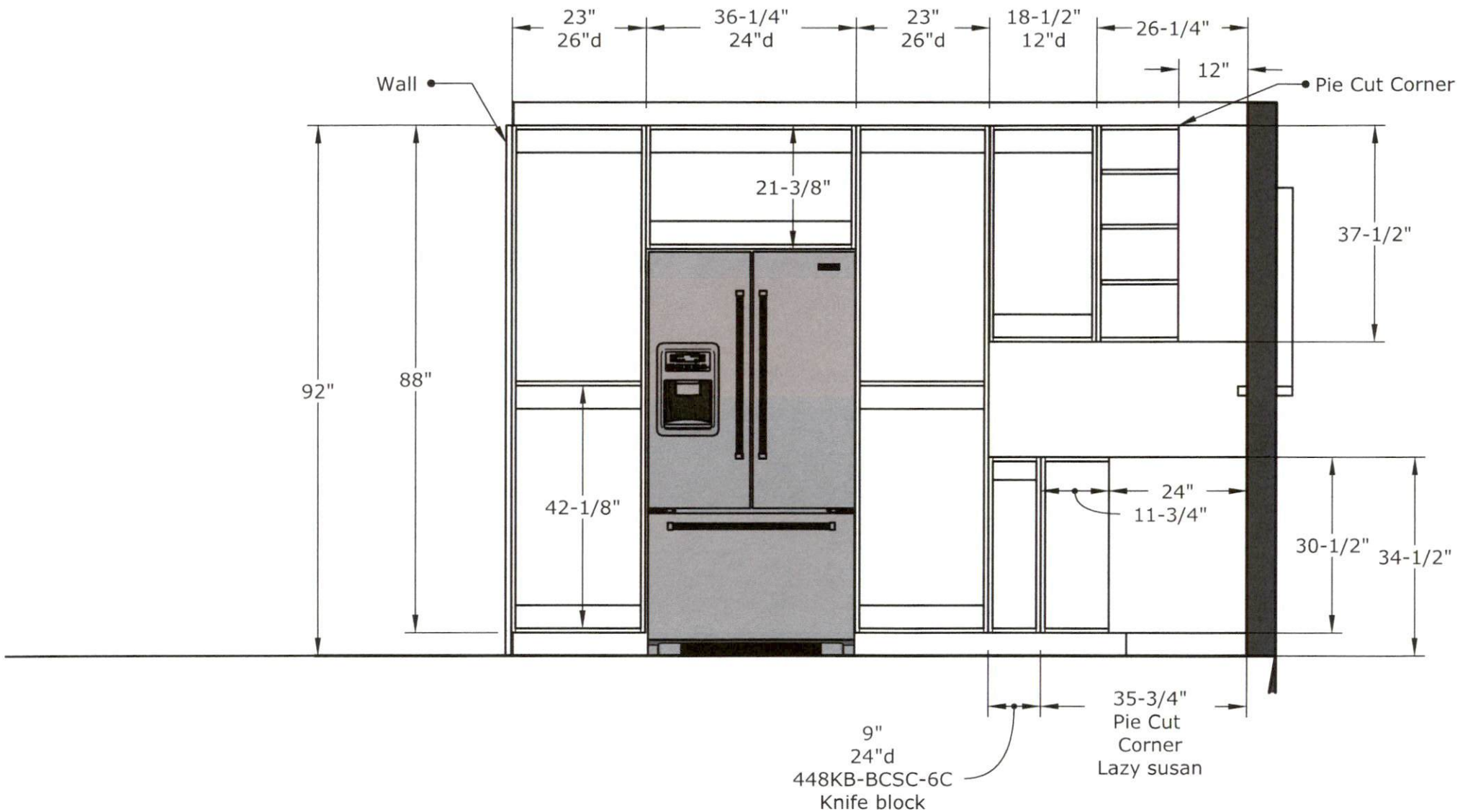
# Clapper - Carolina Lakes Kitchen Sink Wall

Material: Maple  
Finish: Painted



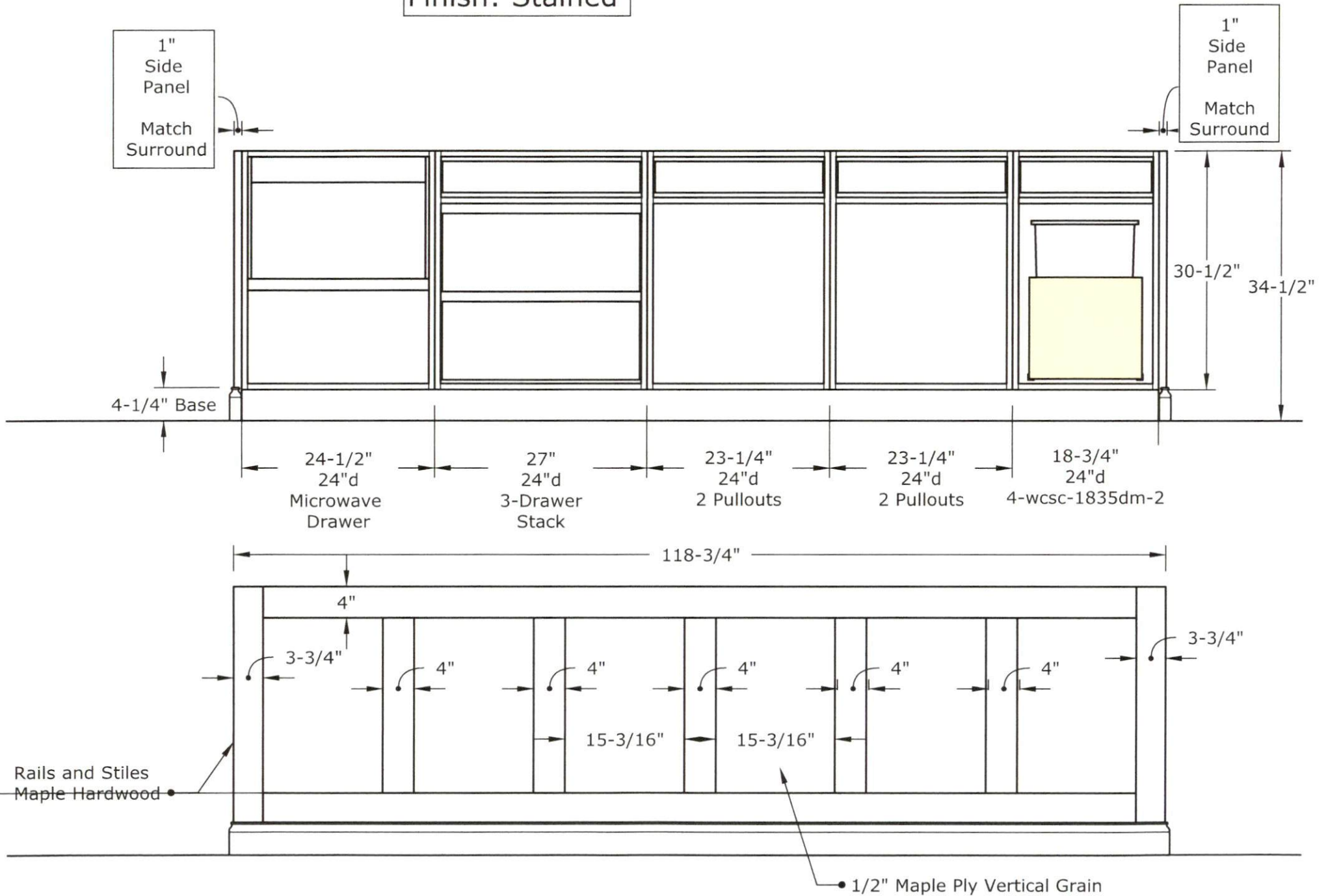
# Clapper - Carolina Lakes Kitchen Fridge Wall

Material: Maple  
Finish: Painted



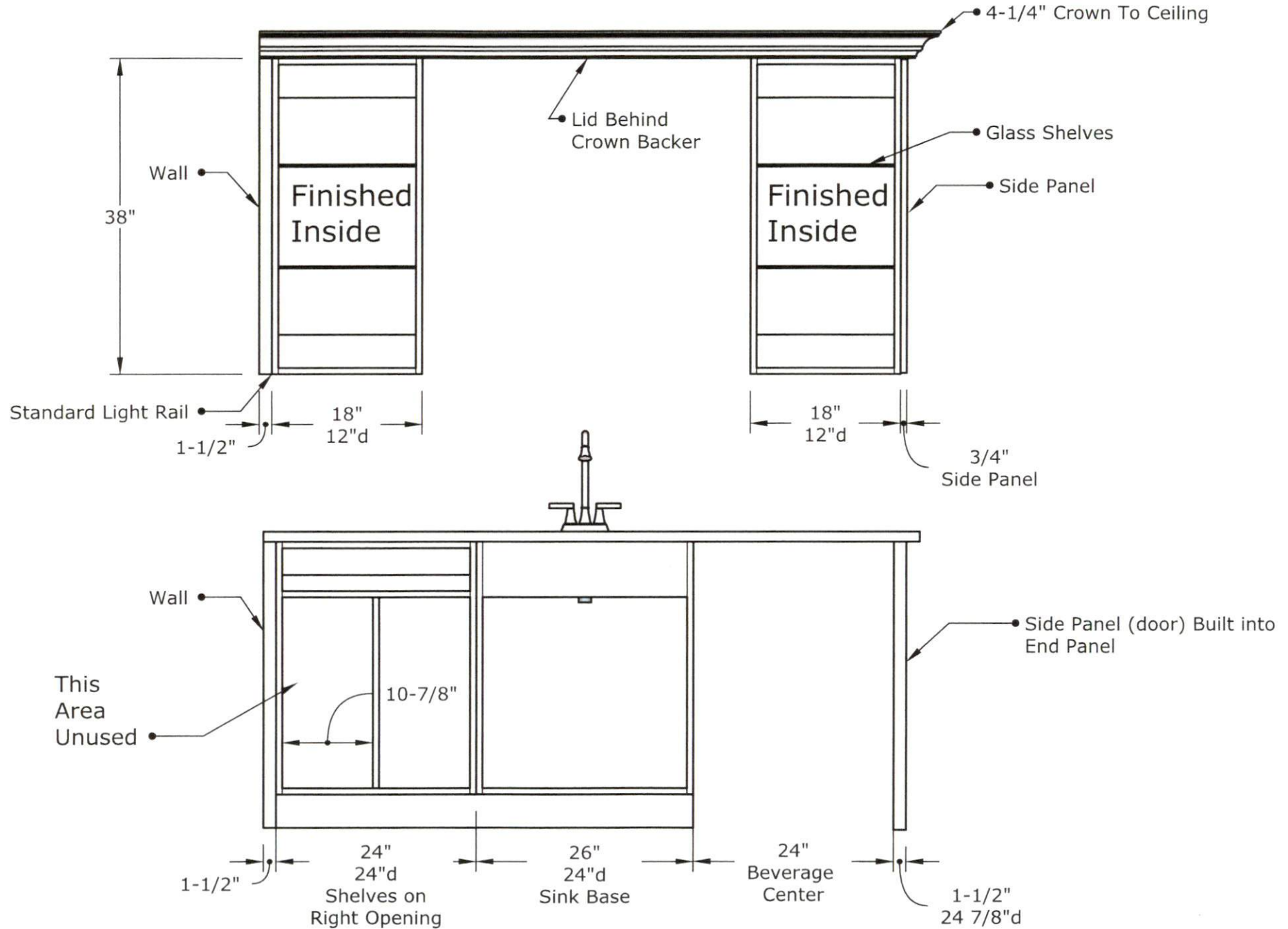
# Clapper - Carolina Lakes Kitchen Island

Material: Maple  
Finish: Stained

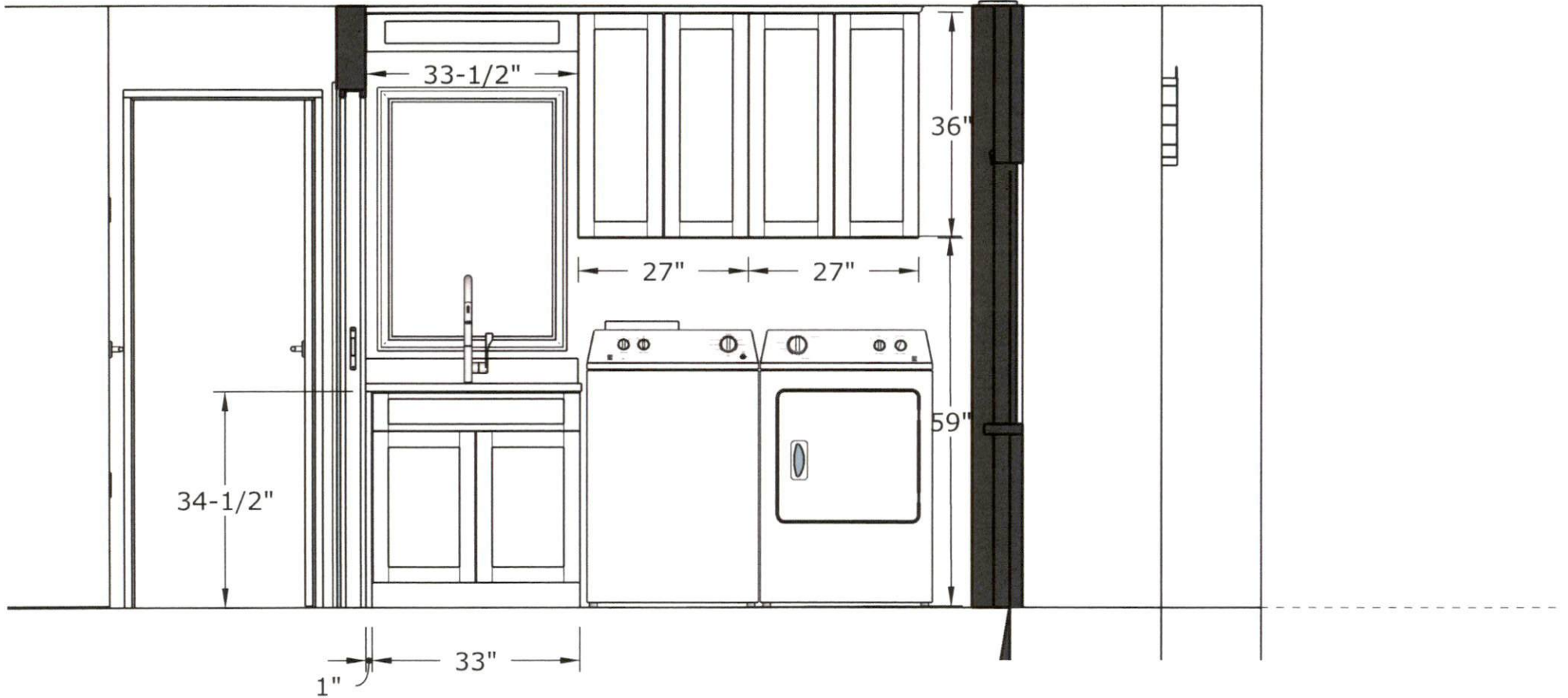


# Clapper - Carolina Lakes Wet Bar

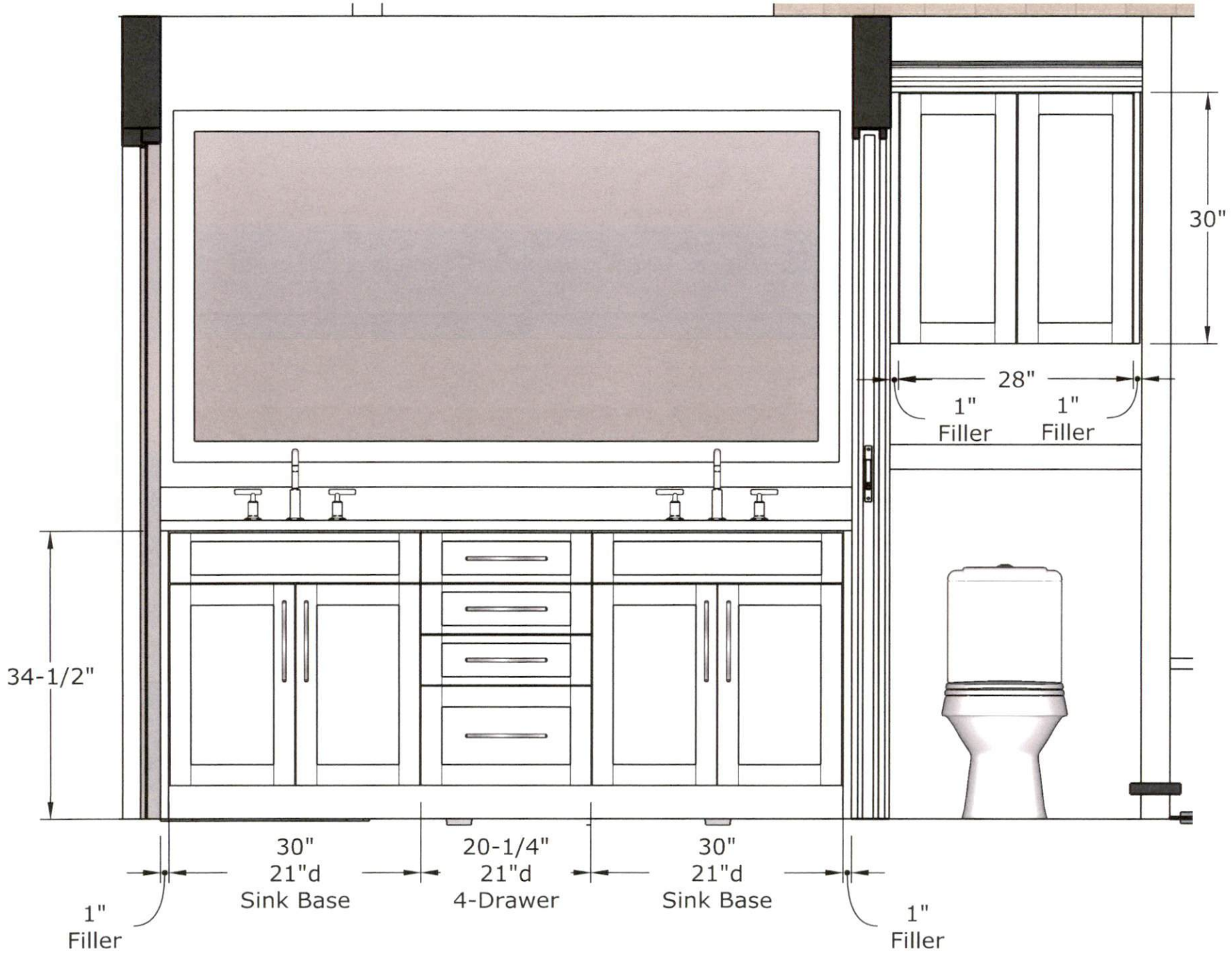
Material: Maple  
Finish: Stained

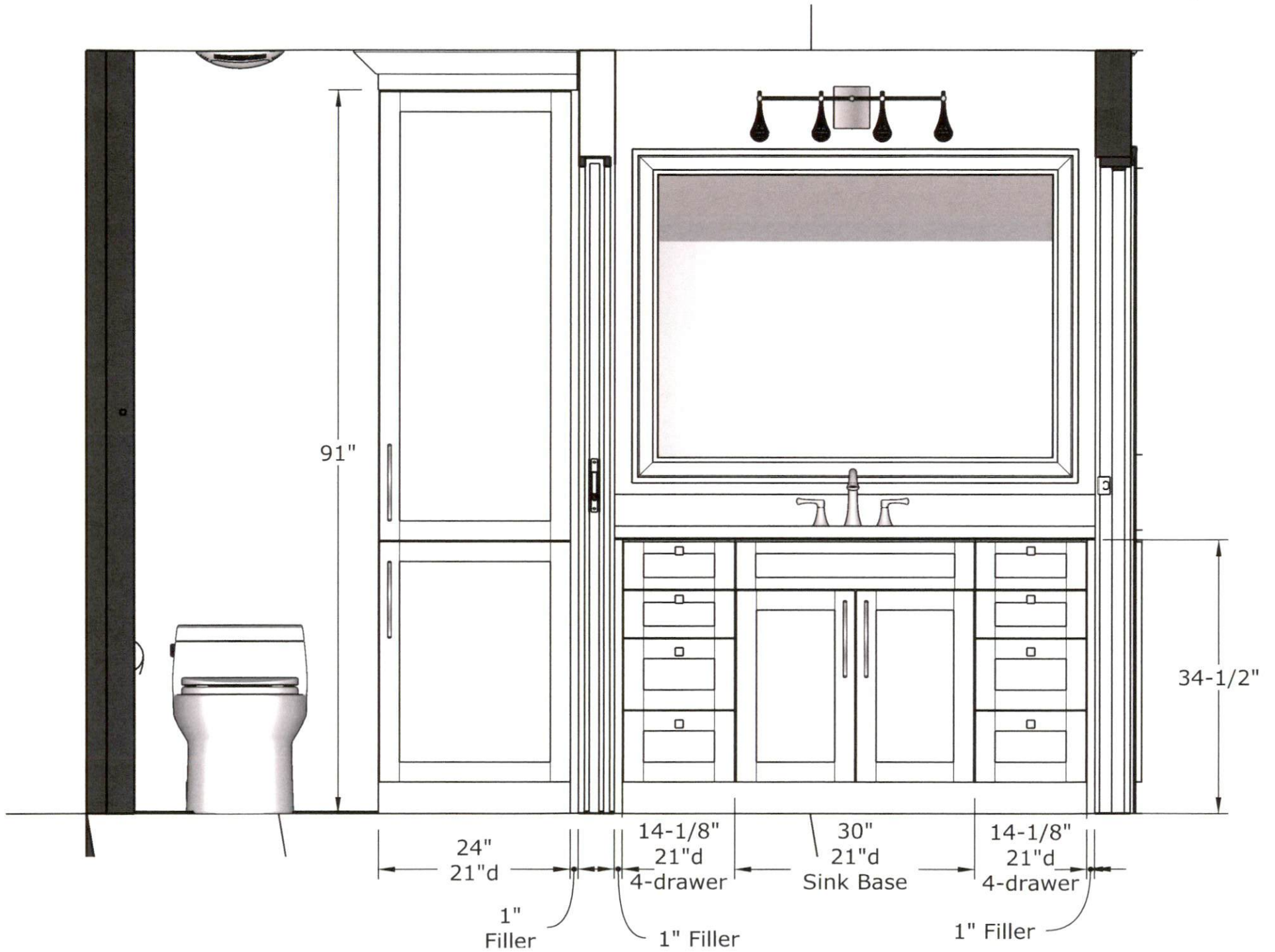


# Clapper - Carolina Lakes Laundry



# Clapper - Carolina Lakes Master Bath





# Clapper - Carolina Lakes Study





Project: 52 Pebble Beach Point  
 Sheet: 1 of 3  
 Date: 03-01-23 By: K. MacPeck

Design Loads 2018 IRC

Roof: 20 LL + 15 DL = 35 psf  
 10 LL + 7 DL = 17 psf (CJs only)

Roof Framing

Rafters

existing 2x8s, 2x10s @ 16" oc as indicated  
 no work

Ceiling Joists

existing 2x6s, 2x8s, 2x10s @ 16" oc as indicated  
 no work

Ceiling Beams

CB-1  $w_{TL} = 11.85 \times 35 + 10 \times 8 + 15 = 510 \text{ plf}$   
 $L = 10.7 \text{ ft}$

$R = 2728 \text{ lbs}$   
 $M^+ = 87585 \text{ in-lbs}$   $S_x \text{ reqd } 31.3 \text{ in}^3$   
 $\Delta_{TL} = 4360 = 0.36"$   $I_x \text{ reqd } 209 \text{ in}^4$

Use: (2) 1<sup>3</sup>/<sub>4</sub>" x 11<sup>1</sup>/<sub>4</sub>" LVLs

CB-2  $P = 2728 \text{ lbs}$   
 $w_{TL1} = \frac{16}{12} \times 17 + 35 = 58 \text{ plf}$   
 $w_{TL2} = \frac{8}{12} \times 17 + 10 \times 8 + 35 = 126 \text{ plf}$   
 $w_{TL3} = \frac{8}{12} \times 17 + 2.6 \times 8 + 35 = 67 \text{ plf}$



Project: 52 Pebble Beach Point

Sheet: 1

Date: 03-01-23

By: K. MacPuck

$$R_A = 2287 \text{ lbs}$$

$$R_B = 2025 \text{ lbs}$$

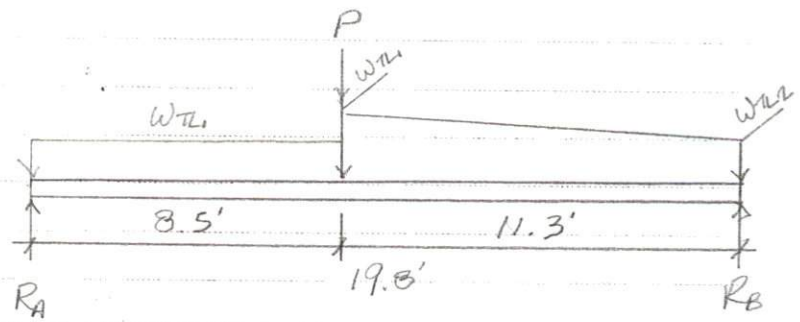
$$M_{\text{max}}^+ = 208125 \text{ in-lbs}$$

$$S_{x_{\text{reqd}}} = 74.3 \text{ in}^3$$

$$\Delta_{\text{max}} = \frac{1}{1640} = 0.37''$$

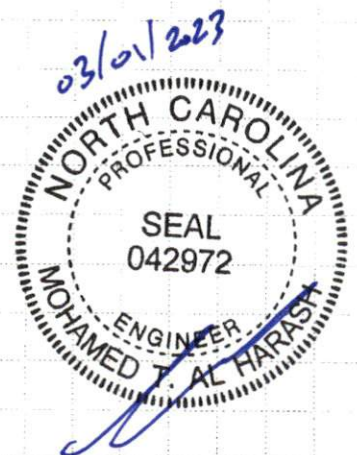
$$I_{x_{\text{reqd}}} = 1404 \text{ in}^4$$

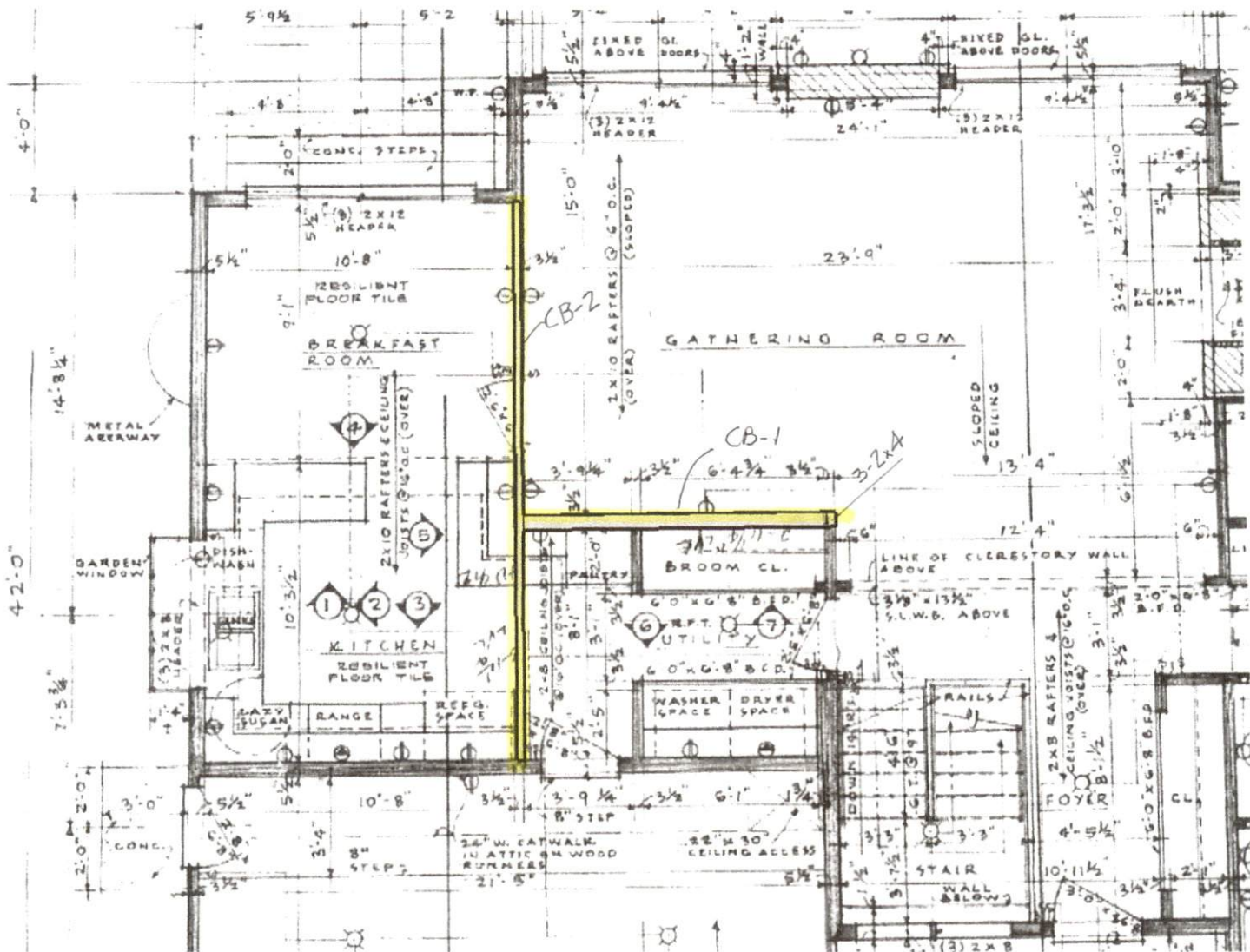
Use: (3) 1 $\frac{3}{4}$ " x 16" LVLs



### 1<sup>st</sup> Floor Framing

Note: Provide 3"  $\phi$  x 11Ga Adj. Pipe column in basement below 3-2x4 post above. Support the new pipe column with a 24" x 24" x 12" unreinforced concrete pad in floor.



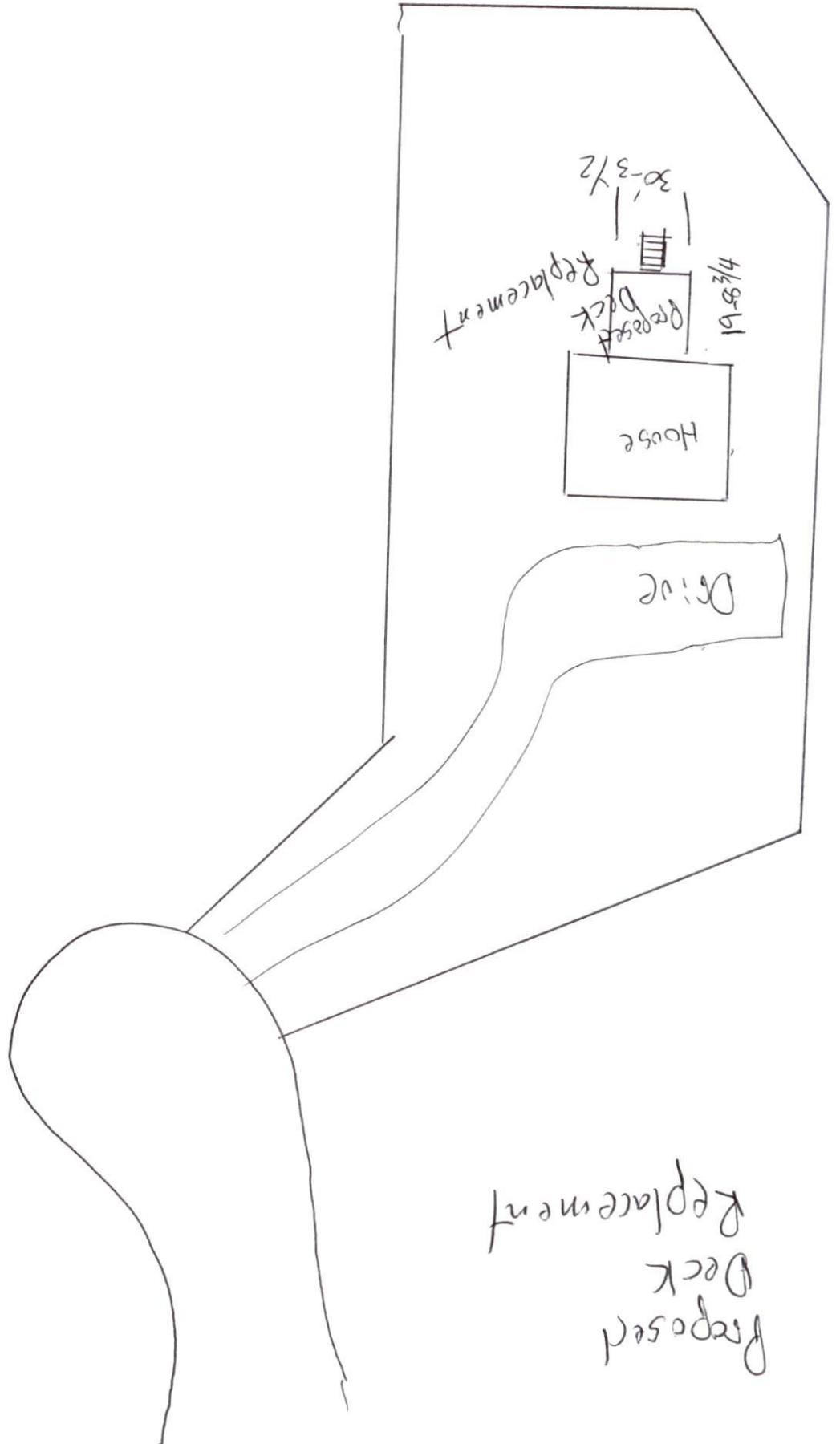


Beam CB-1 (2) 1<sup>3</sup>/<sub>4</sub>" x 11<sup>1</sup>/<sub>4</sub>" LVLs

Beam CB-2 (3) 1<sup>3</sup>/<sub>4</sub>" x 16" LVLs

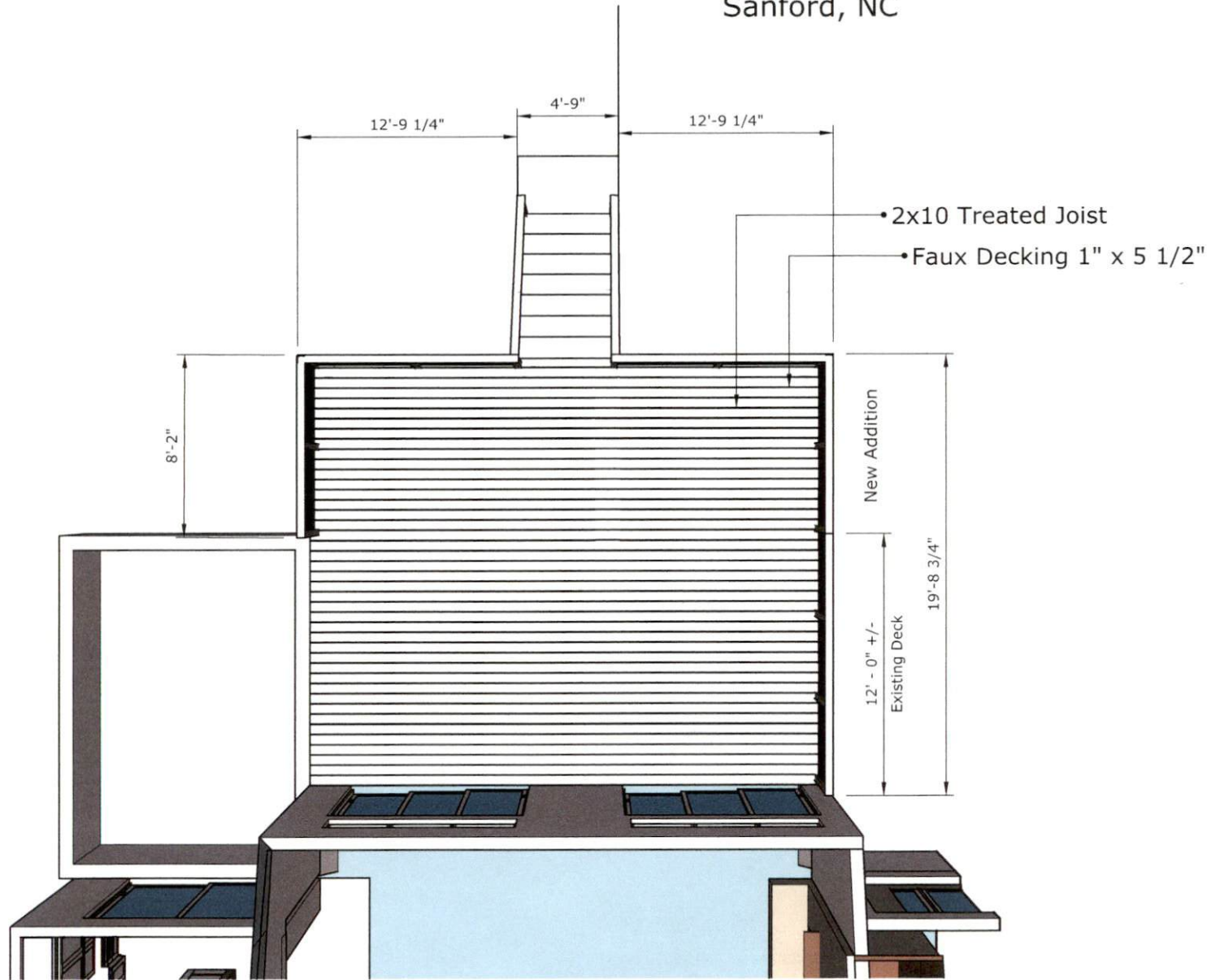
Hanger: Simpson HU41Z





# Replace Existing Deck

Deck Addition  
52 Pebble Beach Point  
Sanford, NC



# Electrical Light Layout

Lisa & Mike Clapper  
25 Pebble Beach Dr.

