

Professional Certification: I hereby certify that these documents were prepared or approved by me. I am a duly licensed professional engineer under the laws of the State of Maryland. License #11466 Exp. May 28, 2023

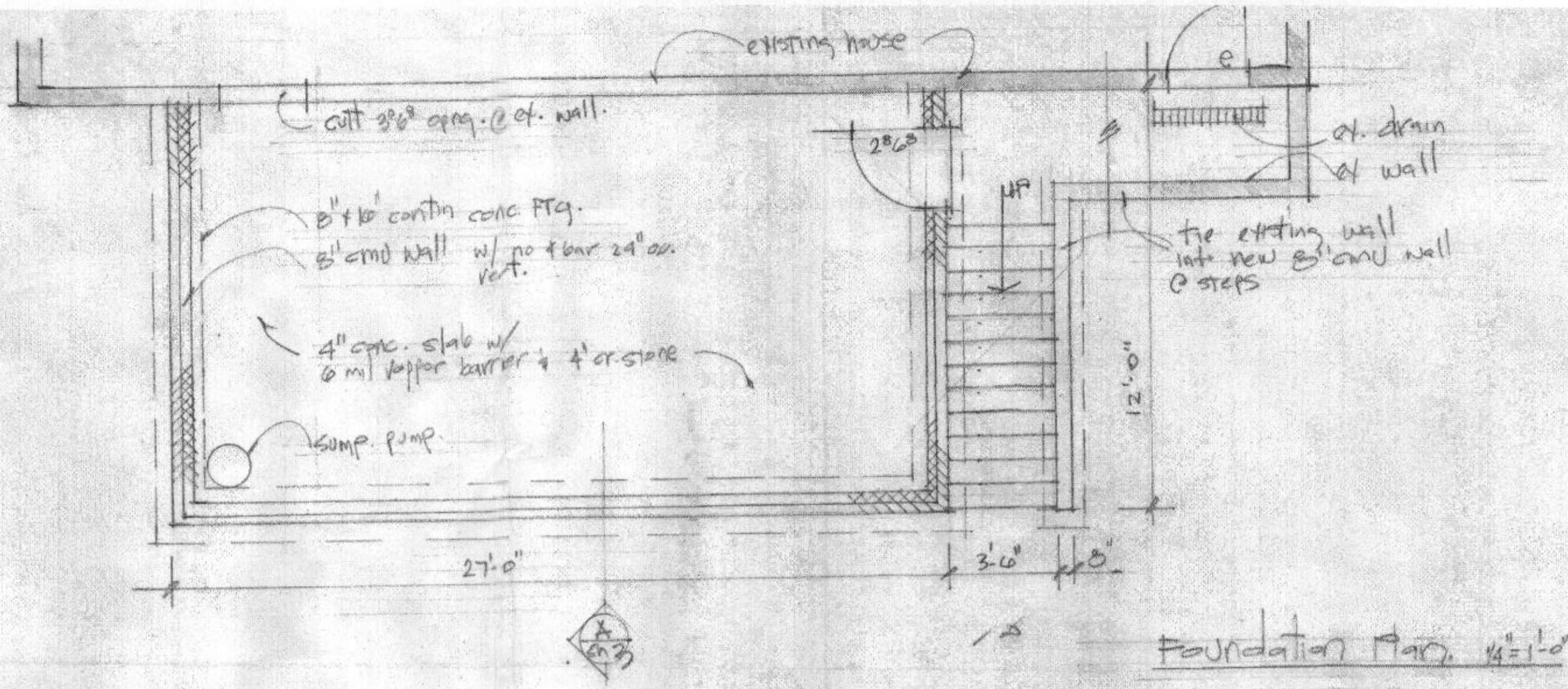
3/13/22

- First Floor Plan. 1/4" = 1'-0"
- existing wall + remain
 - new wall 2x6 16" oc exterior
2x4 16" oc interior
 - Wall bracing CS-WSP
continuous sheathing wood
structural panel 6" oc a edge
12" oc a field.

A Wall bracing line

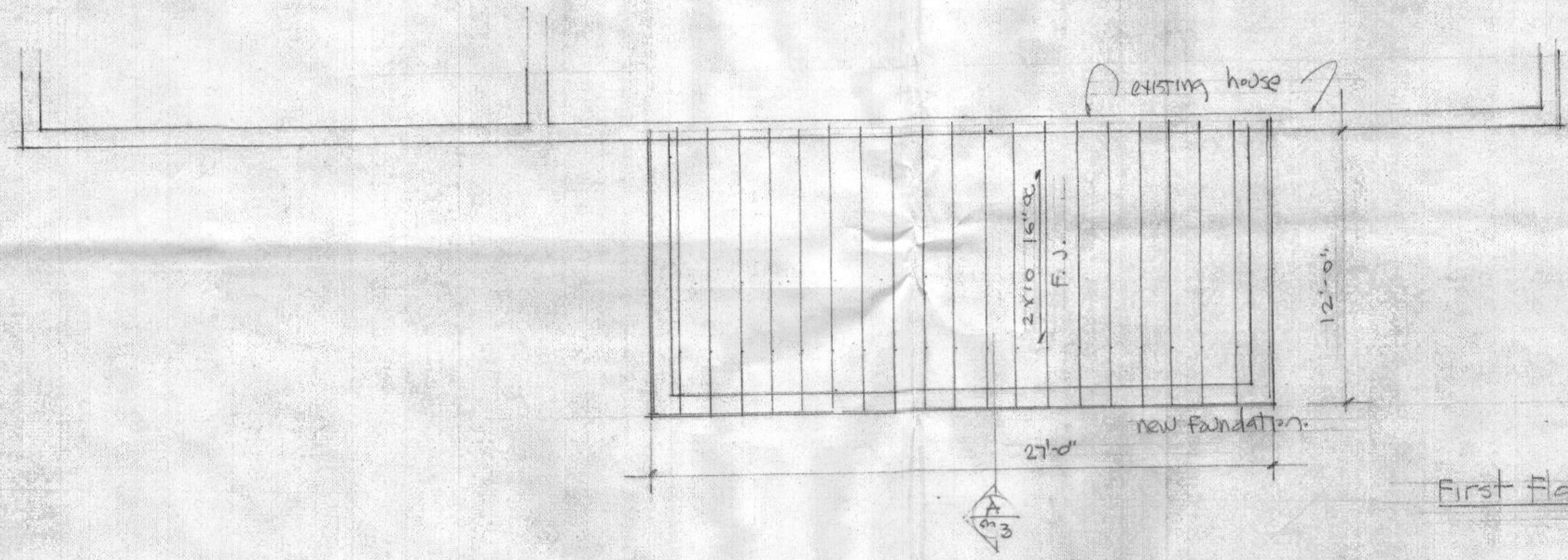
B Wall bracing line

Permit no. B21 0000 14

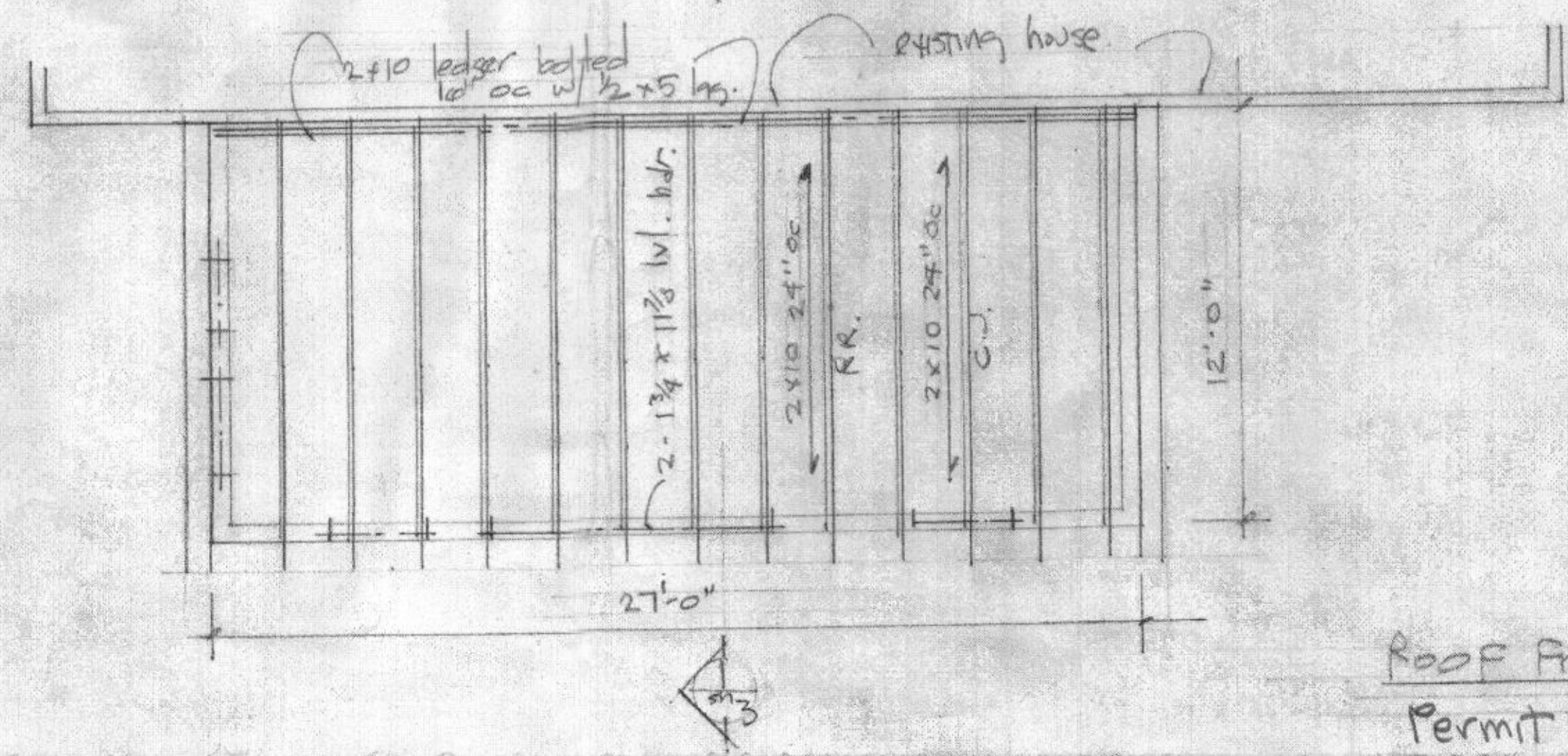


Foundation Plan. 1/4" = 1'-0"

sheet 2 of 4
 KRUSEL RESIDENCE
 14218 day farm road
 Gaensley Md. 21734



First Floor Framing Plan. 1/4" = 1'-0"



Roof Framing Plan. 1/4" = 1'-0"
 Permit no B21000016

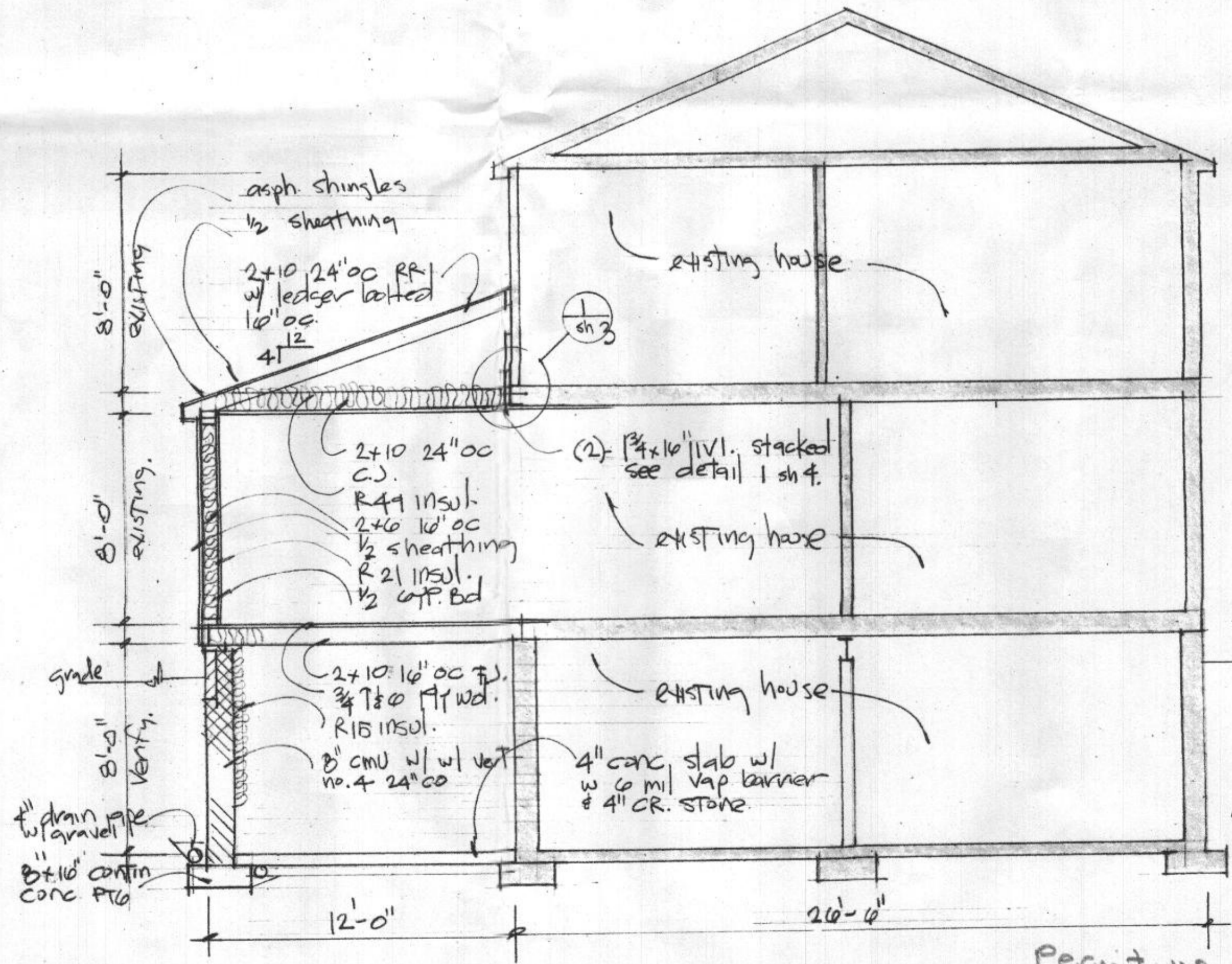


Professional Certification: I hereby certify that these documents were prepared or approved by me. I am a duly licensed professional engineer under the laws of the State of Maryland. License #11466 Exp. May 28, 2023

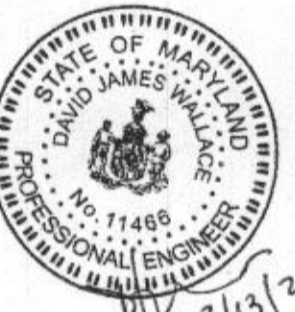
sheet
 3 of 4
 KRESEL RESIDENCE
 14218 clay farm road
 Colerain Md 21736



Rear Elevation. 1/4" = 1'-0"



A. Building Section. 1/4" = 1'-0"



Professional Certification: I hereby certify that these documents were prepared or approved by me. I am a duly licensed professional engineer under the laws of the State of Maryland. License #11466. Exp. May 28, 2023.

Permit no B21 0000 16

BEAM COMPS

$S = 19'$

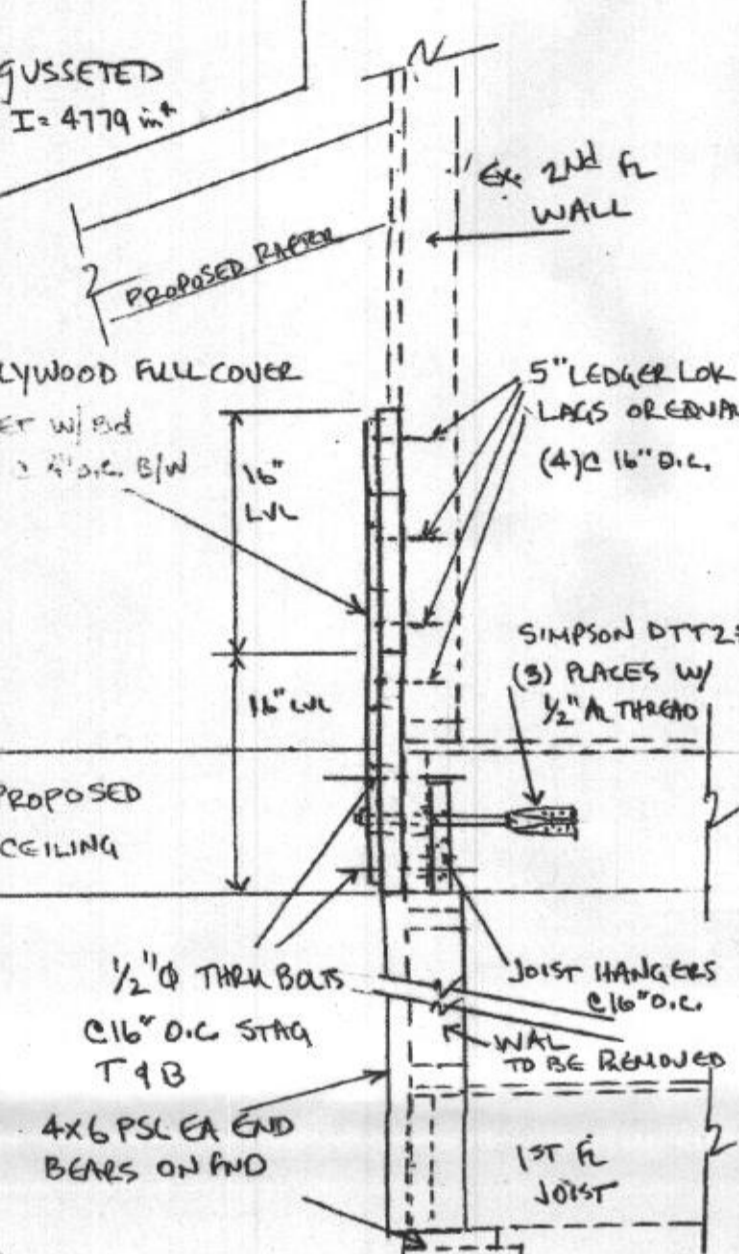
LOADING: $W_2 = \frac{13}{2} \times 40 = 260 \text{ #/ft}$

$W_{R(NEN+20)} = \frac{38}{2} \times 40 = 760 \text{ #/ft}$
 $\frac{1020 \text{ #/ft}}$

$M = \frac{1020 \times 19^2}{8} = 46.4 \text{ K.Ft}$

TRY 2-16" LVL'S STACKED & GUSSETED

$f_b = \frac{46.4 \times 16 \times 12^3}{4779 \text{ in}^4} = 1.8 \text{ ksi OK}$

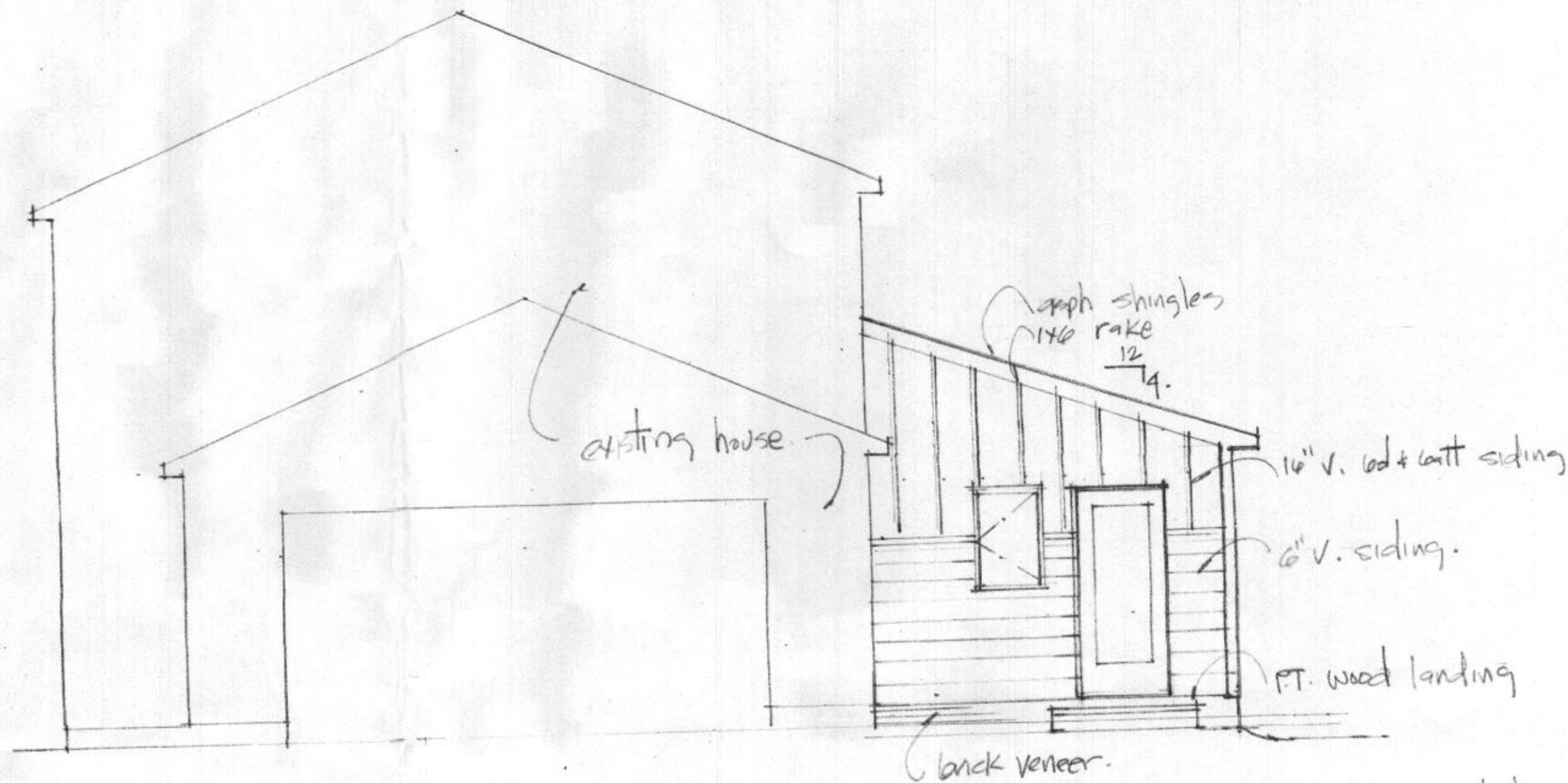


3/12/22

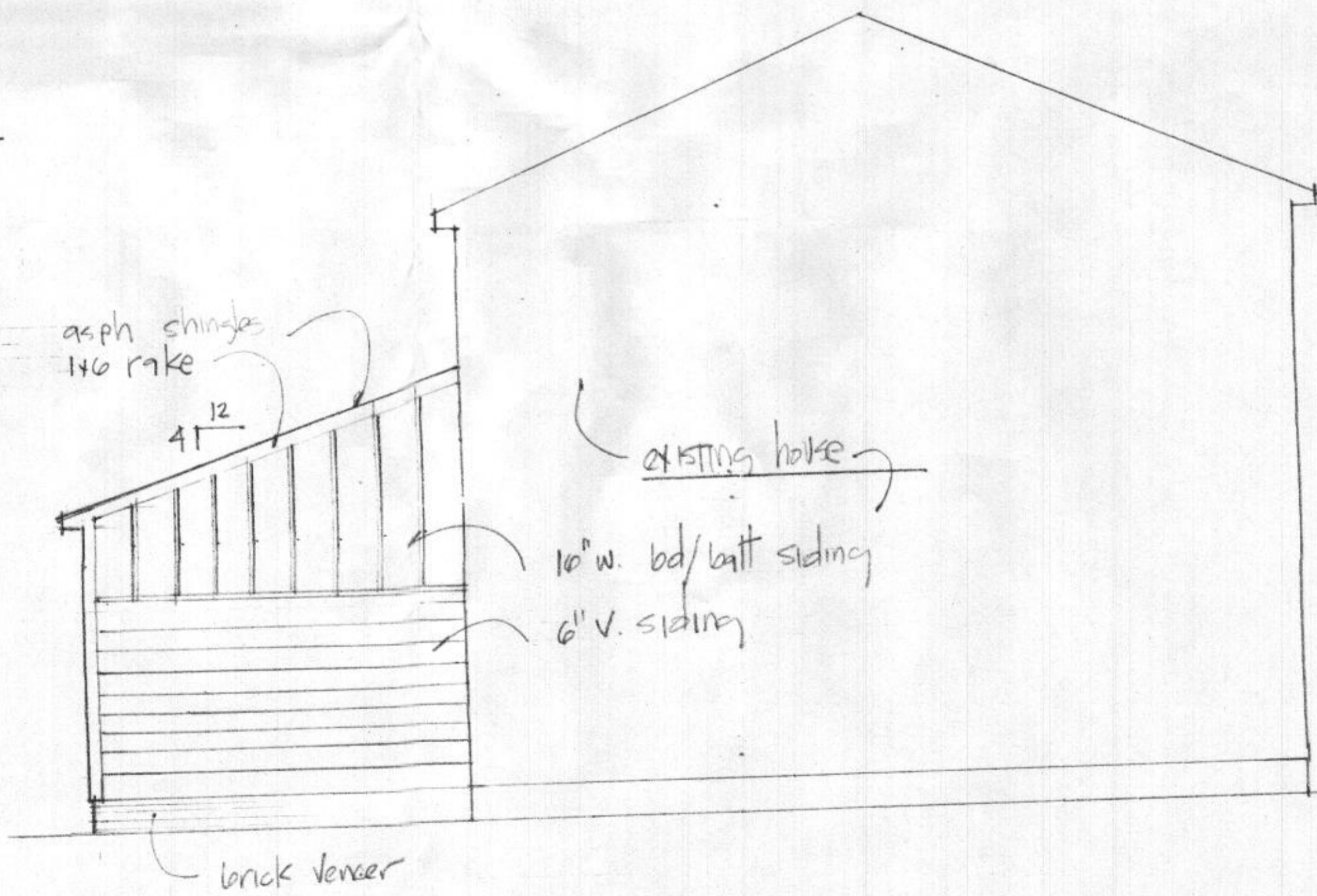
Professional Certification: I hereby certify that these documents were prepared or approved by me. I am a duly licensed professional engineer under the laws of the State of Maryland. License #11466 Exp: May 28, 2023

detail 1 (nts)

David Wallace, P.E. - P.O. Box 4279 - Annapolis, MD 21403 - 410-544-1225 - walljw@comcast.net - LIC: MD 11466 DC PE906407
 14218 DAY FARM ROAD WALL BEAM COMPS & DETAILS DW 3/12/22



Right Elevation. 4'-1'-0"



Left Elevation. 4'-1'-0"



Professional Certification: I hereby certify that these documents were prepared or approved by me. I am a duly licensed professional engineer under the laws of the State of Maryland. License #11466 Exp: May 28, 2023

Sheet 4 of 4
 KRISTEL RESIDENCE
 14218 DAY FARM ROAD
 GREENBELT, MD 21738

Permit no. B21000016