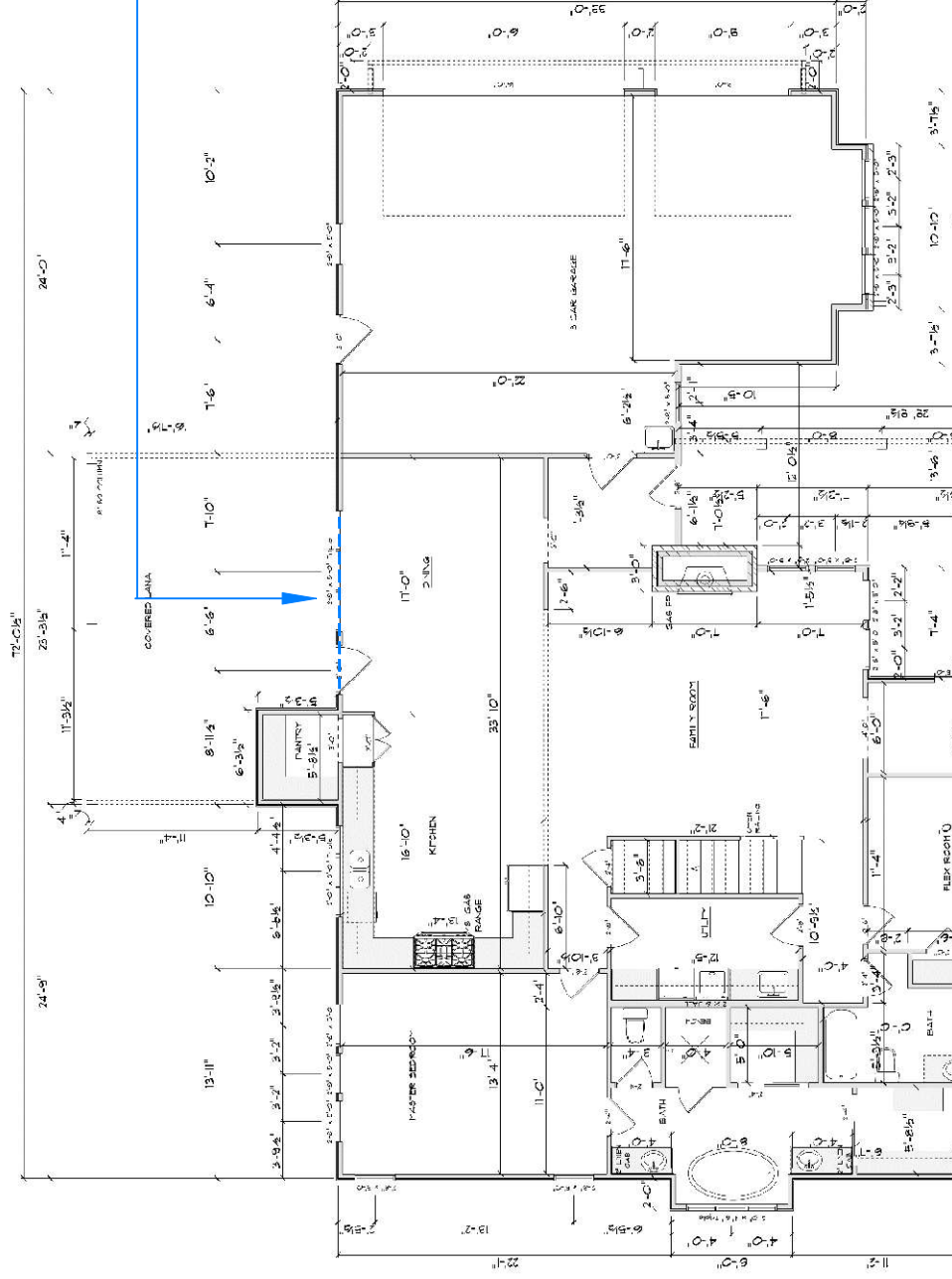




Header Beam:

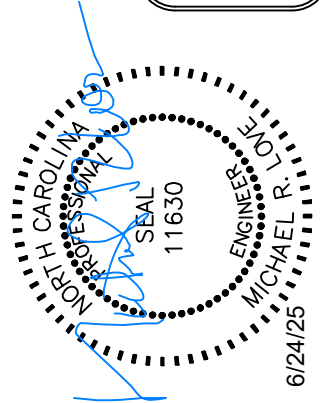
GIVEN:

Header Clear Span is 10'-6" maximum
 Tributary load is 17'-6" less 3'-10" = 13'-8" / 2 = 6.84'
 2nd Floor DL + LL = 50 psf
 Roof DL + LL = 35 psf
 Total Load = 85 psf = 581 plf

THEN: Use a (2) ply 11 $\frac{1}{2}$ " LVL beam with (3) jack studs and (3) king studs at each end.
 OK to rip cut a deeper LVL to 11 $\frac{1}{2}$ "

Note: Builder shall verify all dimensions

PARTIAL FLOOR PLAN



Project:
 Header Beam at New Residence
 1099 Lloyd Stewart Road
 Broadway, NC 27505

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Drawing Date 6/24/25

Revision No.

Revision Date

SHEET

S1

6/24/25