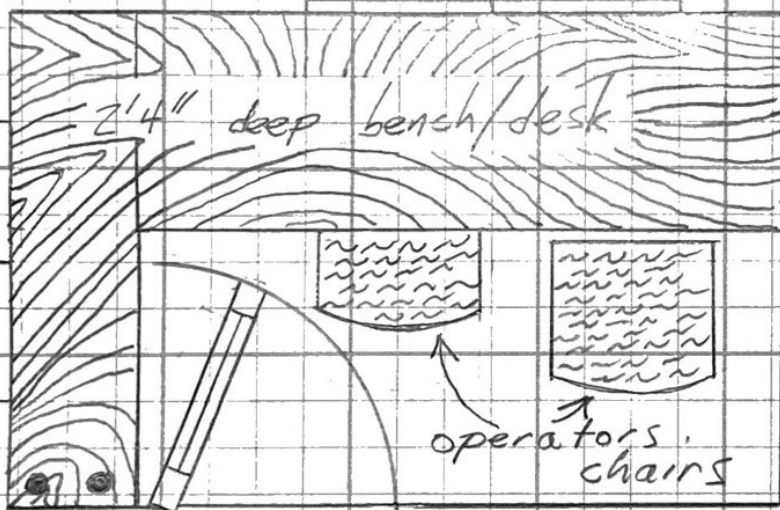


3'x3' sliding window

4'x4' sliding window

depth of desk was reduced during construction



3'x3' sliding window

operators chairs

32" x 80" half-light door

22"

Door manufacturer specifies rough opening of $34\frac{1}{4}" \times 82"$.

Window manufacturer specifies rough openings equal to nominal dimensions.

South Wall
framing plan

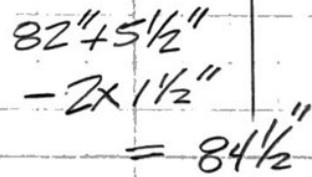
* 6 King-length 2x4's

* 2 King-length 4x4's

* Z jack-length $2 \times 4'$

* 3 9' top and bottom plates

* 1 37 1/4" header



34 1/4" x
82"
rough
opening

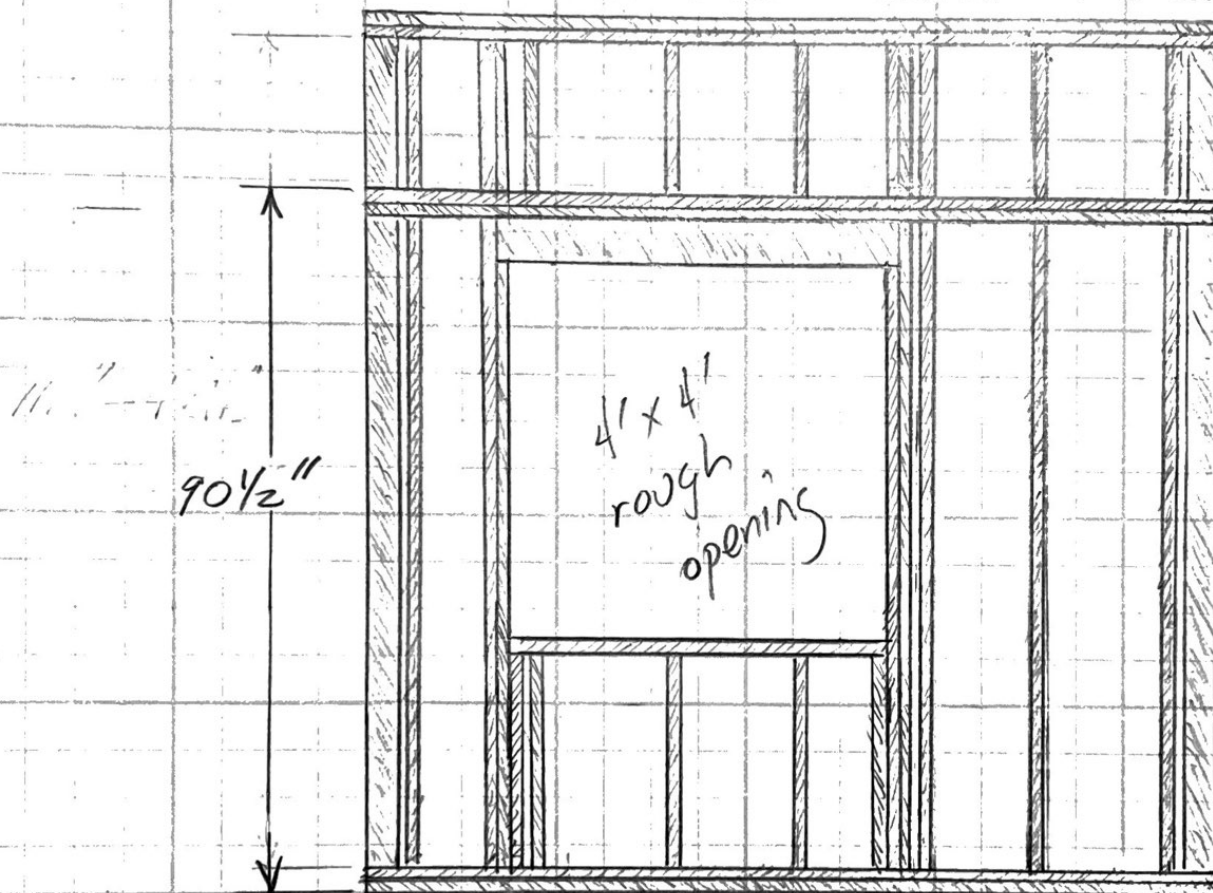
$$90\frac{1}{2}'' = 84\frac{1}{2}'' + 4 \times 1\frac{1}{2}''$$

← 3'2" →
to
door
center

stud
center s

North Wall framing plan

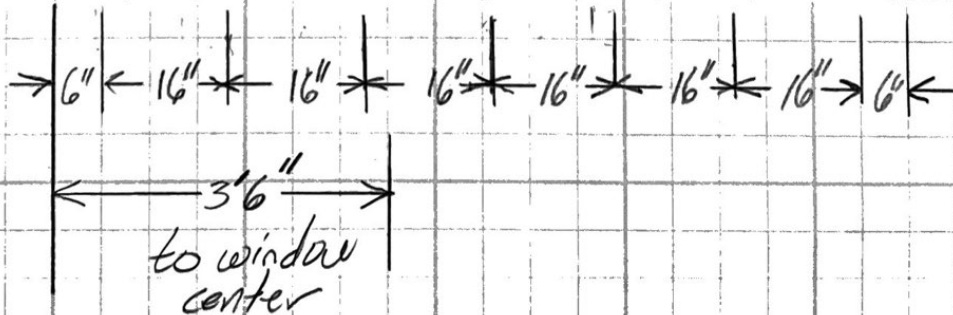
- * 11 studs
- * 2 4x4's
- * 3 9' top and bottom plates
- * 1 51" header
- * 1 48" rough sill



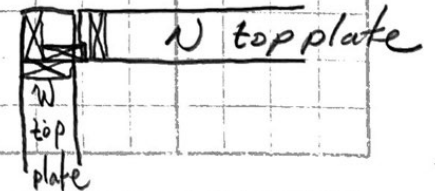
King studs
are
84 1/2"

Window jack
studs are
77"

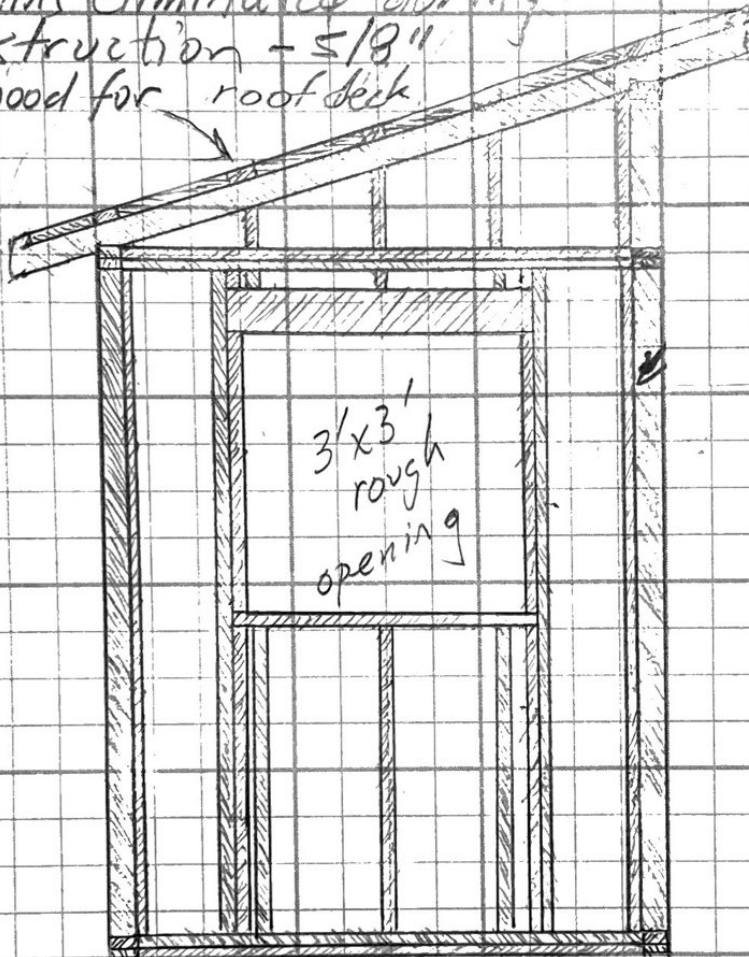
Side window
jack studs are
73"



Cripple wall
corner detail



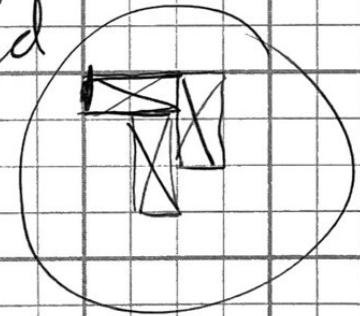
Perkins eliminated during construction - 5/8" plywood for roof deck



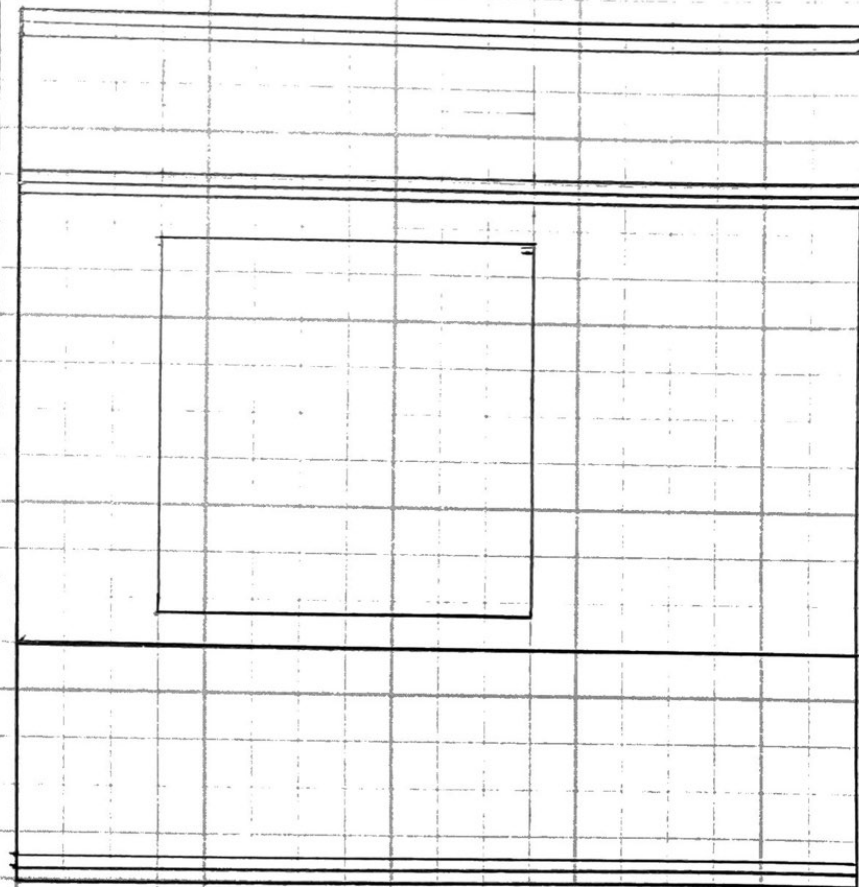
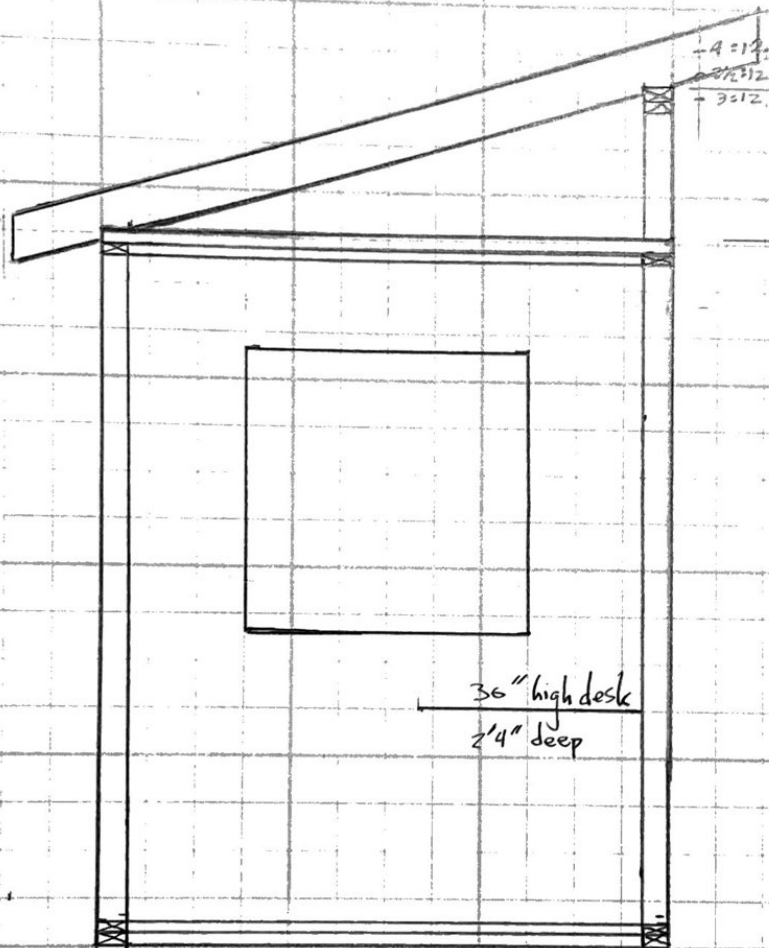
East
(and West)
wall framing
plans

* 9 2x4's
* 3 6' top and bottom plates
39" headers

California corners
6' 4x4's.
instead

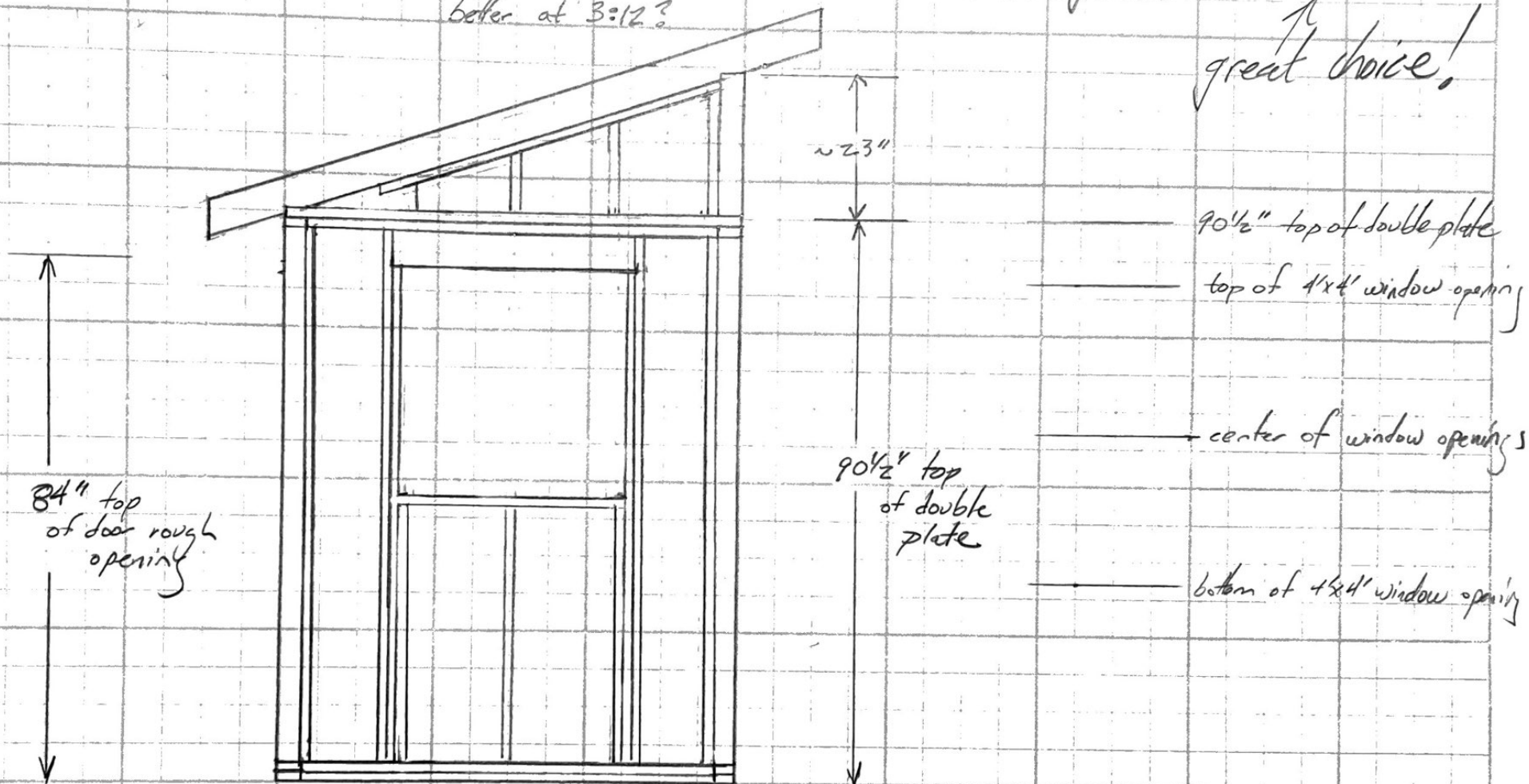


← 16" → 16" →
← 2'8 1/2" →
to window
center
← 5'5" →



Drawn with 4:12
pitch — ? —
better at 3:12?

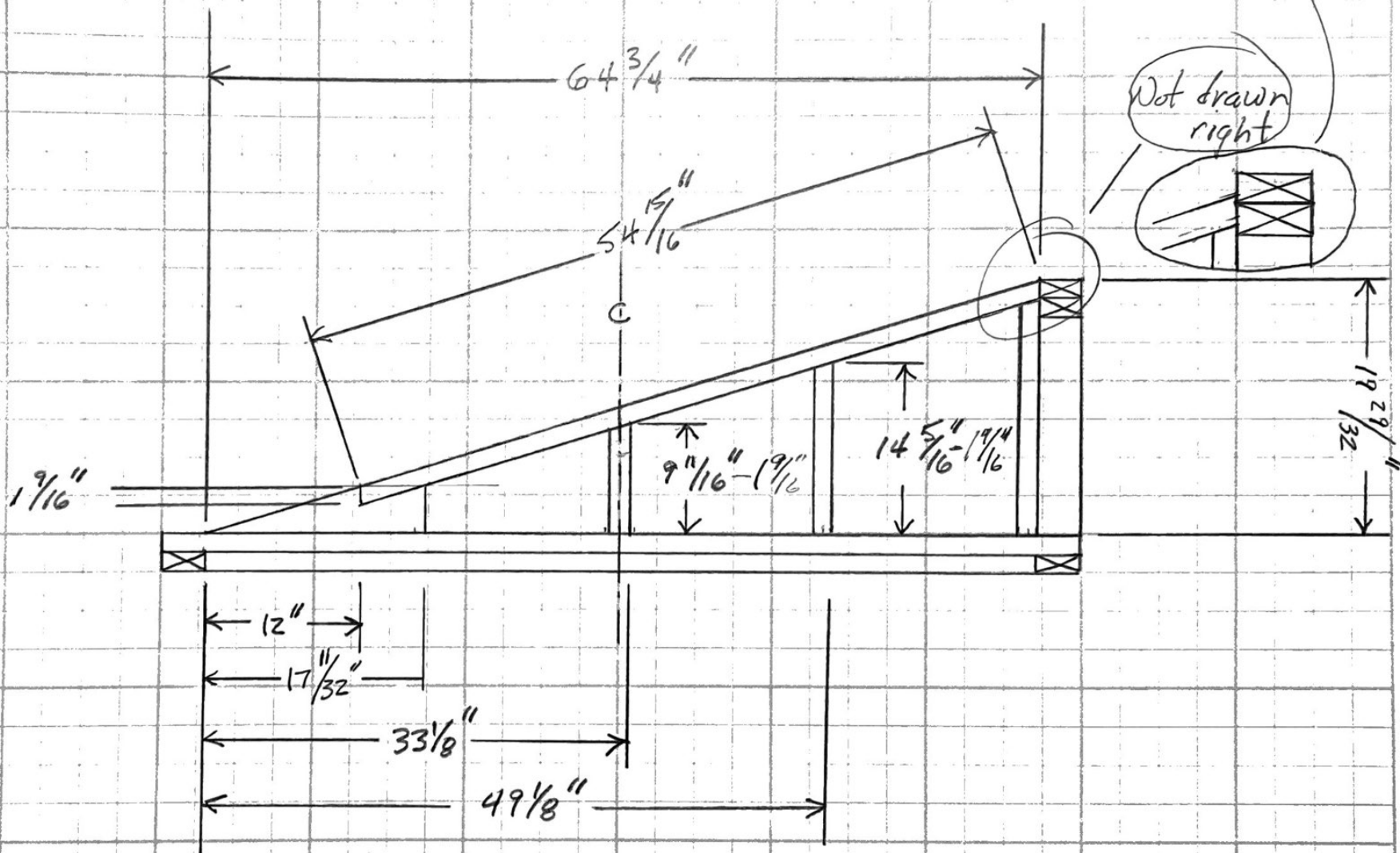
← eventually chase 3.5:12
↑
great choice!



East wall
framing plan —

Side Cripple Wall Detail

1" = 1'



(25) 3.5:12 PITCH

Rafter Detail 1' = 1" scale



12

(24)

$$7^2 + 24^2 =$$

$$49 + 576 = 625$$

$$= 25^2$$

$\left(1\frac{19}{32}\right)''$

1.604"

$3\frac{1}{2}''$

$\left(1\frac{13}{16}\right)''$

11.198"

$\left(3\frac{21}{32}\right)''$

3.646"

$\left(6\frac{7}{16}\right)''$

67.448"

98.740

$\left(98\frac{3}{4}\right)''$

$\left(3\frac{21}{32}\right)''$

3.646"

$\left(1\frac{13}{16}\right)''$

11.198"

$\left(1\frac{19}{32}\right)''$

1.604"

$3\frac{1}{2}''$

$10\frac{3}{4}''$

$5\frac{1}{2}''$

- 4 = 12

- 7 1/2 = 12

- 3 = 12

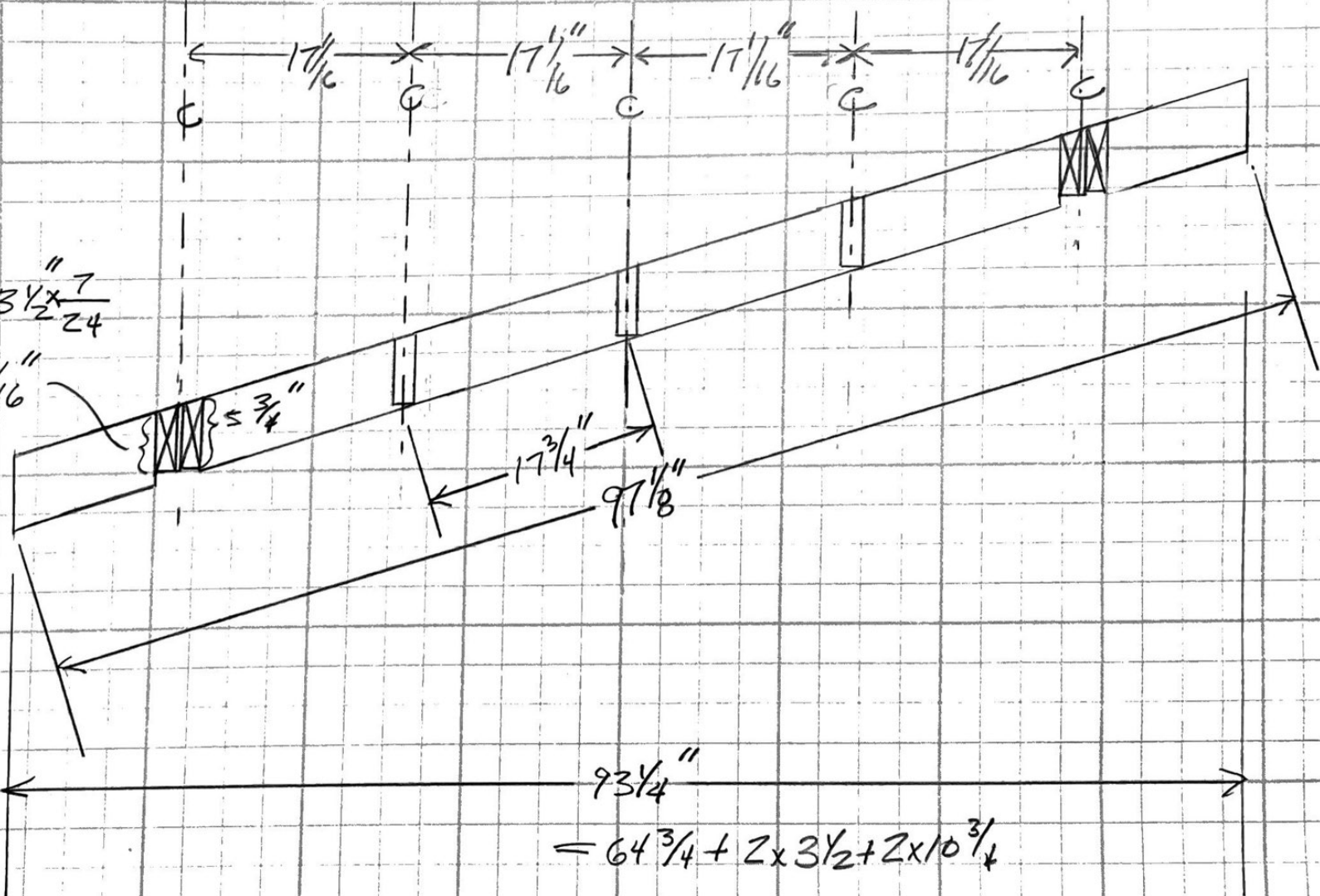
$$93\frac{1}{4}'' \times \frac{25}{24} = 97\frac{1}{8}''$$

$$17\frac{1}{16}'' \times \frac{25}{24} = 17\frac{3}{4}''$$

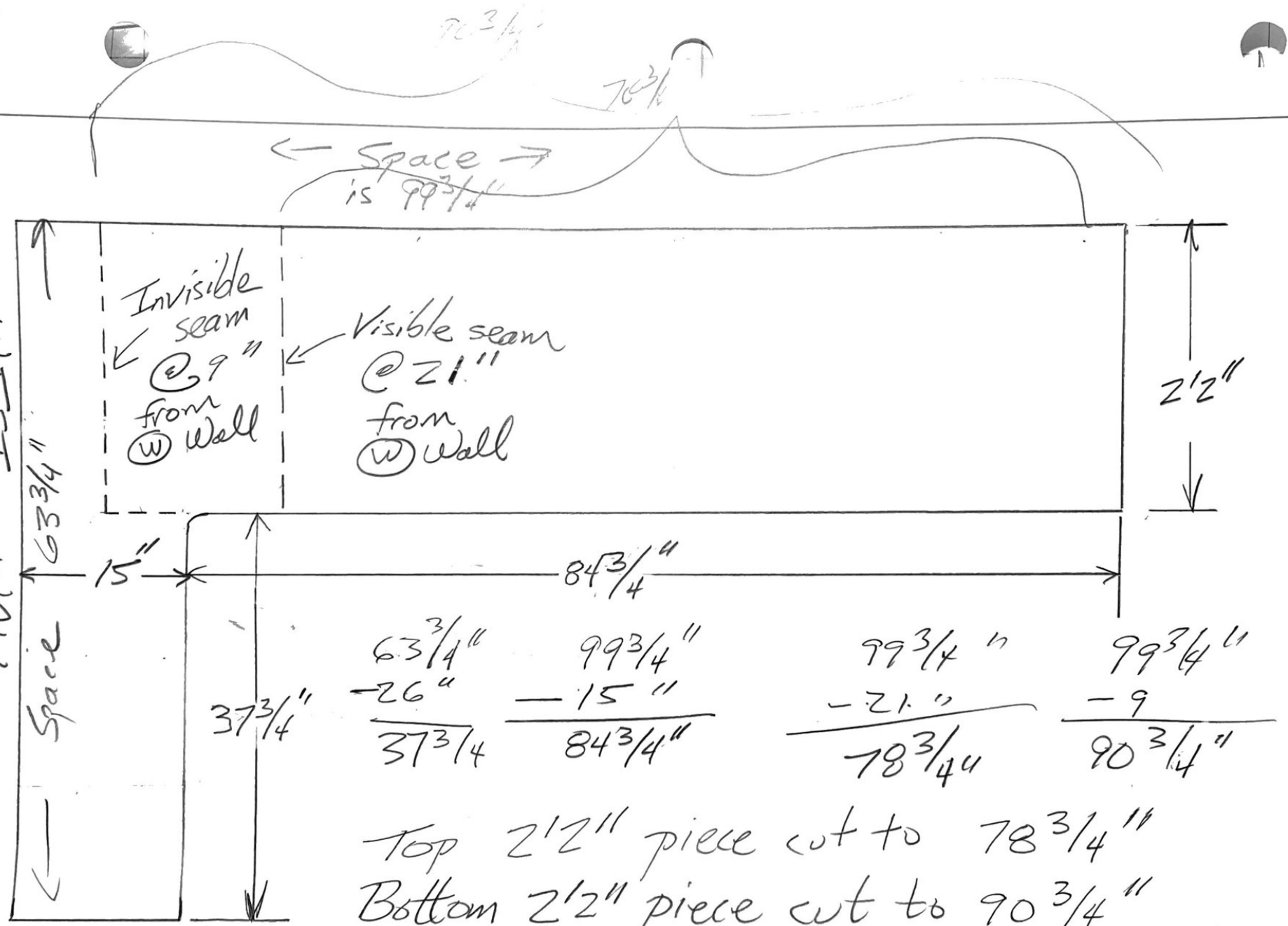
Rafter Ladder Detail 1' = 1"

Rafter ladder length = $14\frac{1}{2}''$

$$\begin{aligned} &5\frac{1}{2}'' \times \frac{25}{24} \\ &- 3\frac{1}{2}'' \times \frac{7}{24} \\ &= 4\frac{11}{16}'' \end{aligned}$$



WEST WALL



Top $2\frac{1}{2}"$ piece cut to $78\frac{3}{4}"$
 Bottom $2\frac{1}{2}"$ piece cut to $90\frac{3}{4}"$

Top L has $>21"$ width
 Bottom L has $>9"$ width