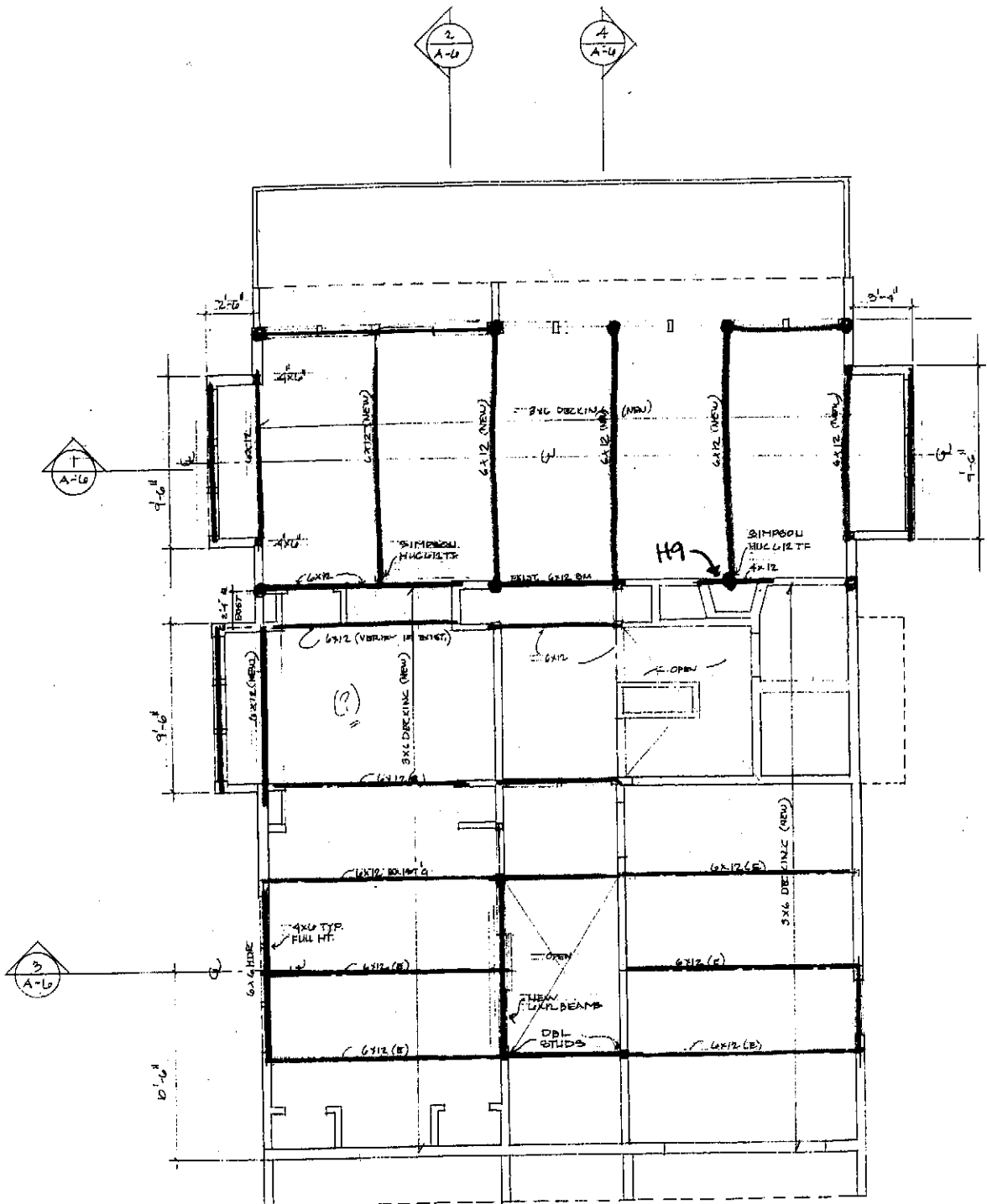


(NEW WORK)
ROOF FRAMING PLAN

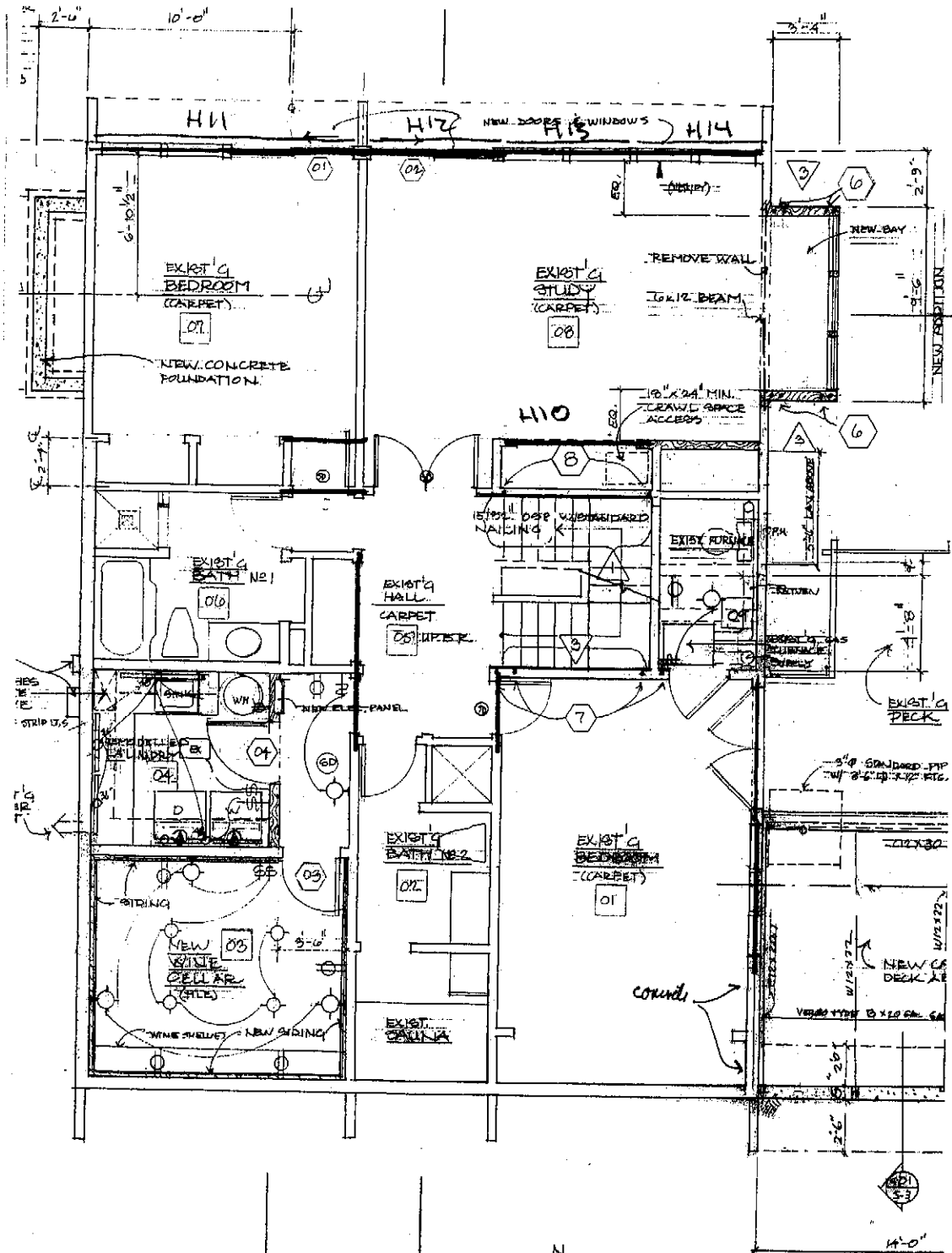
(NEW WORK @ SECOND FL.)
ROOF FRAMING PLAN

SCALE 1/4" = 1'-0"



REMOVE EXIST'G 2x6 T&G
 DECKING AT EXIST'G FLAT
 ROOF & INSTALL 3" NOMINAL
 LOK-DEC (2' SPAN MINIMUM)
 THROUGHOUT
 @ PLICE @ SUPPORTS,
 GLUE T&G WITH 3M 5230
 ADHESIVE
 (1/2) 20# FACENAIL
 EACH SUPPRT,
 EACH BOARD
 30 @ 3' TO NAIL @ T&G

(EXISTING & NEW WORK)
 SECOND FLOOR FRAMING PLAN
 SCALE: 1/4" = 1'-0"



BASEMENT FLOOR PLAN
SCALE: 1/4" = 1'-0"

All headers @ 3rd Floor, use 6x12 w/ 6x6 posts
on North Side @ 2nd " " " "
@ Basement " " " "

Continue posts to the foundation 8' below basement level.

Attach all headers & Beams that are exposed with a Simpson CTS Hanger or B612 (next to plumbing)

Attach Master Bedroom Deck with a 2x12 PT Hem Fir w/ 5/8" ϕ Lag screw @ 24" o.c staggered

Headers inside the house supporting vertical loads shall be 4x12 DFL and supported w/ 4x4 posts.

Support sagging floor in basement with a post footing

James G. Pierson, Inc.

Consulting Structural Engineers

320 S.W. Stark, Suite 535 Portland, Oregon 97204
Tel: (503) 226-1286 Fax: (503) 226-3130

Project

Job no.

Location

Date

Client

Sheet no.

Consulting Structural Engineers

320 S.W. Stark, Suite 535 Portland, Oregon 97204
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Client

Sheet no.

Wall & Ledger connecting to concrete garage slab.

$$D_L = 15 \text{ psf}$$

$$L_L = 50 \text{ psf}$$

Garage slab

$$Trib = 2.5 \text{ ft}$$

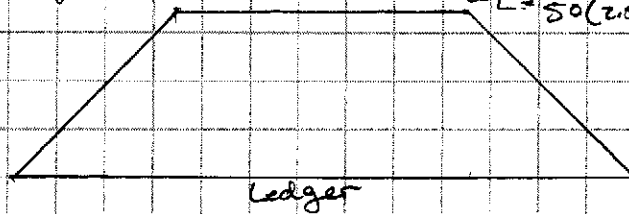
$$\text{conc slab } 150 \left(\frac{2.5}{2}\right) = 31.25 \text{ psf}$$

$$l = 13'$$

$$\text{Garage } W_{TOT} = 240.625$$

$$W_D = 37.5 + 31.25(2.5) = 118.63 \text{ plf}$$

$$W_L = 50(2.5) = 125 \text{ plf}$$



$$\text{Main Floor load} \Rightarrow 5.5 \text{ Trib} \Rightarrow D_L = 15(5.5) = 82.5 \text{ plf}$$

$$L_L = 40(5.5) = 220 \text{ plf}$$

$$2^{\text{nd}} \text{ Floor} \Rightarrow 8' \text{ Trib} \Rightarrow D_L = 15(8) = 120 \text{ plf}$$

$$L_L = 40(8) = 320 \text{ plf}$$

$$\text{Total } W_D = 318 \text{ plf}$$

$$W_L = 665 \text{ plf}$$

Under the slab in the stairwell, the 2x4 stud wall is okay. on the other side of the wall, it is receiving floor load as well. This loading states that additional 2x4 studs are need.

Double all the 2x4 studs @ the Basement level.

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Sheet no.

Connection of 6x12 Header to
6x6 Post + 6x12 Girder to
Header.

* This span shows the header to be
continuous and the girder attaching
to it. The same connection is needed
if the girder bears on the post and
the headers attach to the side.

3rd Floor

6x12
Girder

USE a Simpson
CJT5 or BGLZ for helping installation
next to plumbing

3x6 Decking

Existing
6x12

2nd Floor

Replace existing 4x6 posts
with 6x6 posts

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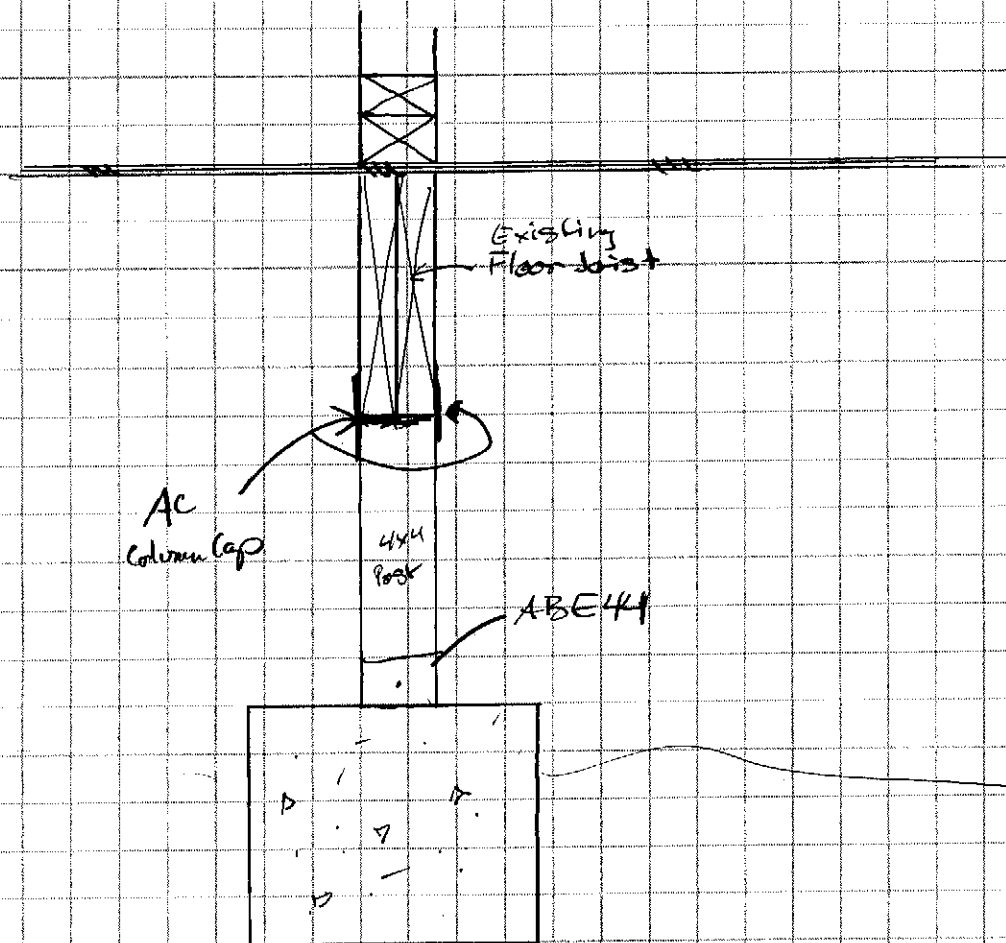
Basement Floor between the two bedrooms is sagging.

it is found that a 1000 lb load is acting on a single joist. Therefore a post and footing is required to resist the floor from sagging any more.

load $P = 1019 \text{ lb}$, use a 4x4 post

Soil Pressure = 1500 psf

$\frac{1019 \text{ lb}}{1500 \text{ psf}} = .679 \text{ ft}^2$ use a 1' x 1' footing.



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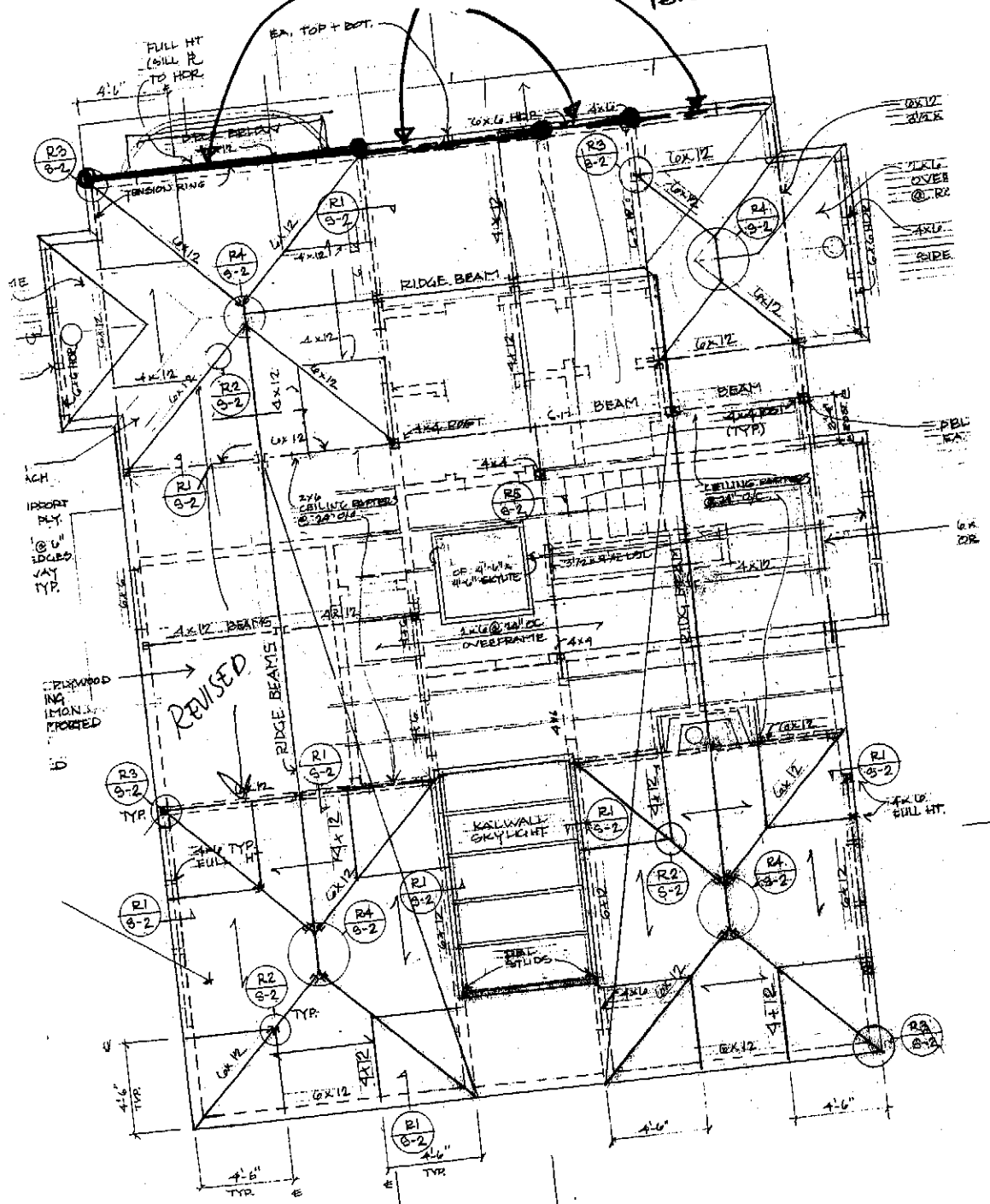
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Date

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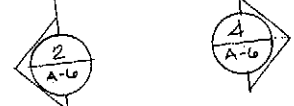
6x12 Headers @ each Floor level

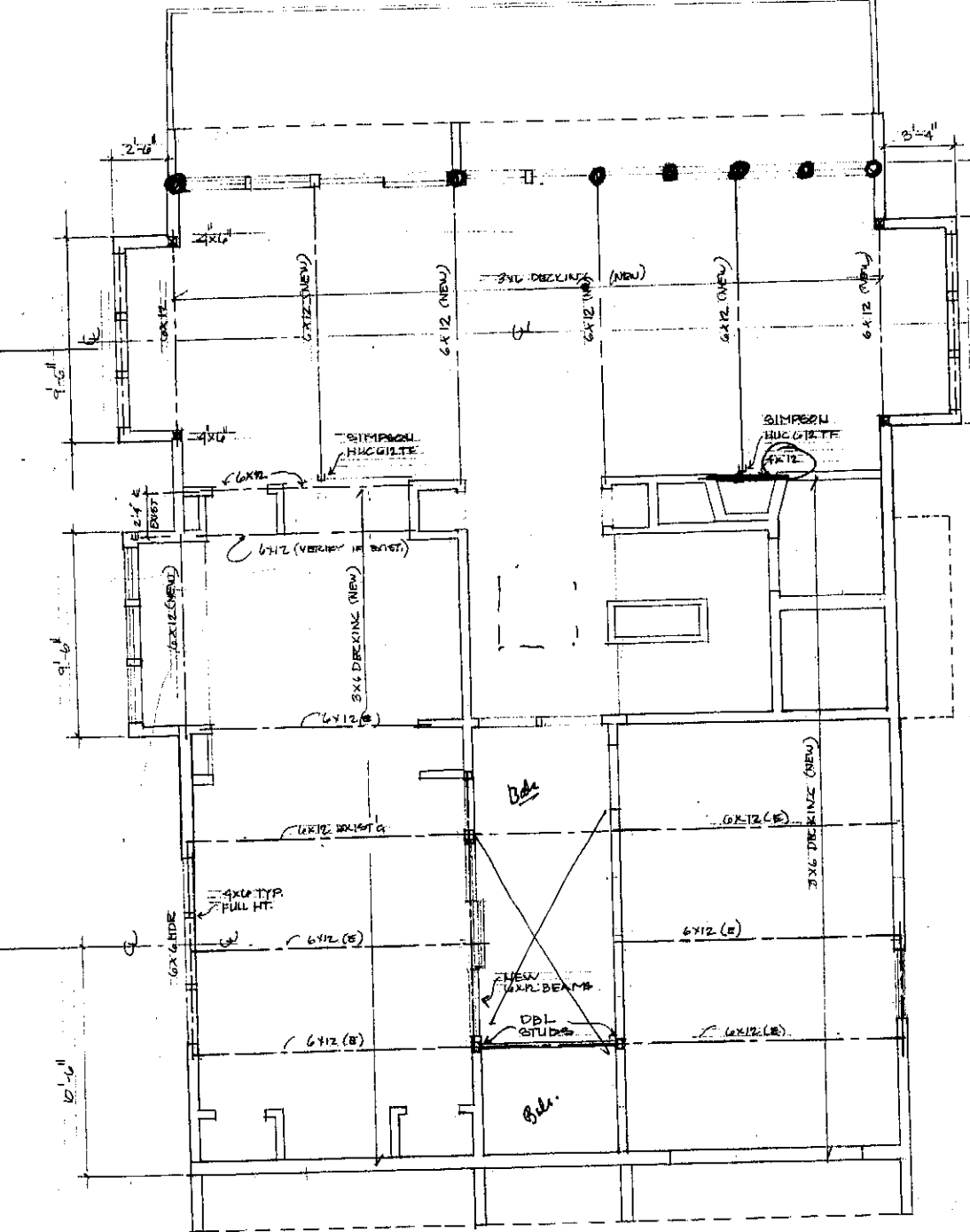
● - 6x6 Post



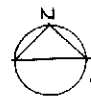
REVISED

ROOF FRAMING PLAN
SCALE 1/4" = 1'-0"





REMOVE EXIST'G 2x6 T&G
 DECKING AT EXIST'G FLAT
 ROOF & INSTALL 3" NOMINAL
 LOK-DEC (2" SPAN MINIMUM)
 THROUGHOUT
 BRUCE @ SUPPORTS,
 GLUE T&G WITH BM 5230
 ADHESIVE
 (2) 20# FACENAIL
 EACH SUPPORT,
 EACH BOARD



SECOND FLOOR FRAM
 SCALE 1/4" = 1'-0"

