

BASEMENT AND FOOTING PLAN.

\$11 = 1-0"

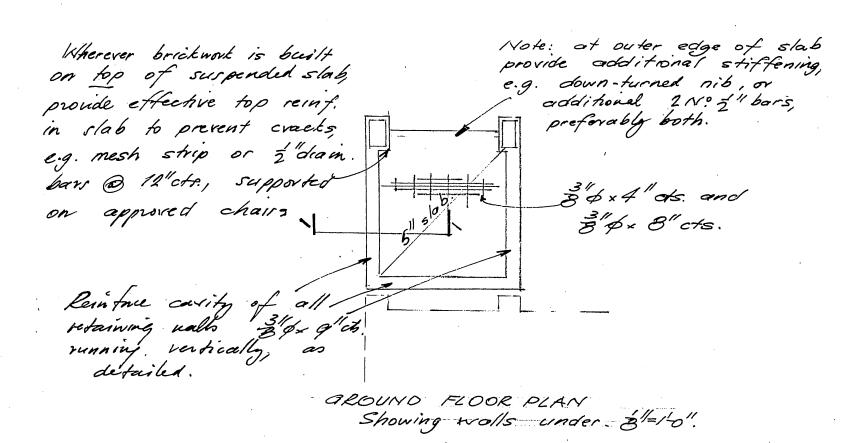
Continuous wall footing

24" nide × 12" deep, reinforced

nominally with 3-2" & rods,

and made wider at piers.

Underpinning: if required by nature of foundation material (to be evaluated on site when ground opened up) carry existing footings down to bottom of new excavations in brick or concrete underpinning, by standard methods, including caulking with dry-pack grout, etc.



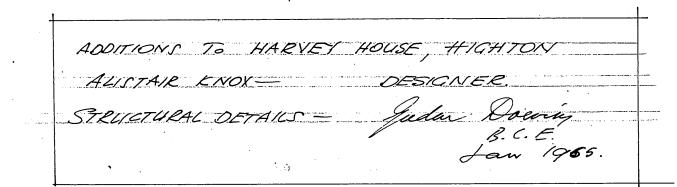
Concete: 3,000 p.si. 28 days.

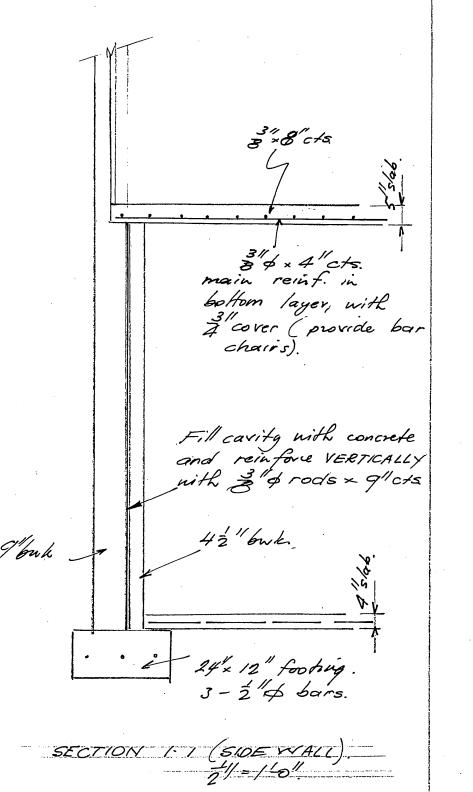
Beinf: standard mesh and

sheepual grade rounds.

(fr= 20,000 p.s.i.).

All concrete work to be in accordance with SAA
Concrete Code.





Surpoided floor slab. span 11

1.1.

So #/a!friend

Self

60

120 #/a!5:night span $M = 62^{12}$ 8

= 120 × 11¹² × 12

= 21,800 in.16/ft.

aring structural grade rounds at $f_s = 20,000$ ps.1., and 5" slab, d = 4".

At = 20,000 × 36.4

= 0.3/5 a'' par f''.

5" slab, $g'' \times 4$, $g'' \times 8$."

rowf 01 20 8-35 = 280 f/f, run.

upper wall: 60^{f} . $9' \times 60 = 540$ susp. flow: $120^{f} \times 5.5' = 650$ lower wall: $150^{f} \times 9 = 1350$ 2820^{f} , run.

clerk pressure under footing if 24'' unde: $w = \frac{2,820}{2240 \times 2} = 0.66 \text{ Ton PER 5. FT.}$ This permissible on reasonably stiff clay

N on comparted sand. 0.K.

3. Rear Retaining Wall.

Assuming existing foundations or underprining take all horizontal thrust, no special provision necessary.

2. Wall Footing.

max. loads (side walls).

4. Side Retaining Wall.

Promue is relieved by break-away of bank, but amuming a 6' wall, power = 6 = 30 = 180 p.s.f.

and B.M. in vertically spanning wall could be about equiv. of 100 p.r.f. loading over 8' span.

:M = 100 = 8 = 1.5 = 10,000 in-16. /ff.

If carily filled and reinforced, d = 9.5".

and arrune id = 4".

Ag = \frac{10,000}{20,000 \tau 4} = .125 \tau /ft. run,

: Fill cavify and provide

revhical verif. of 3 "\d \tau 9" cts.

Juda Downy.