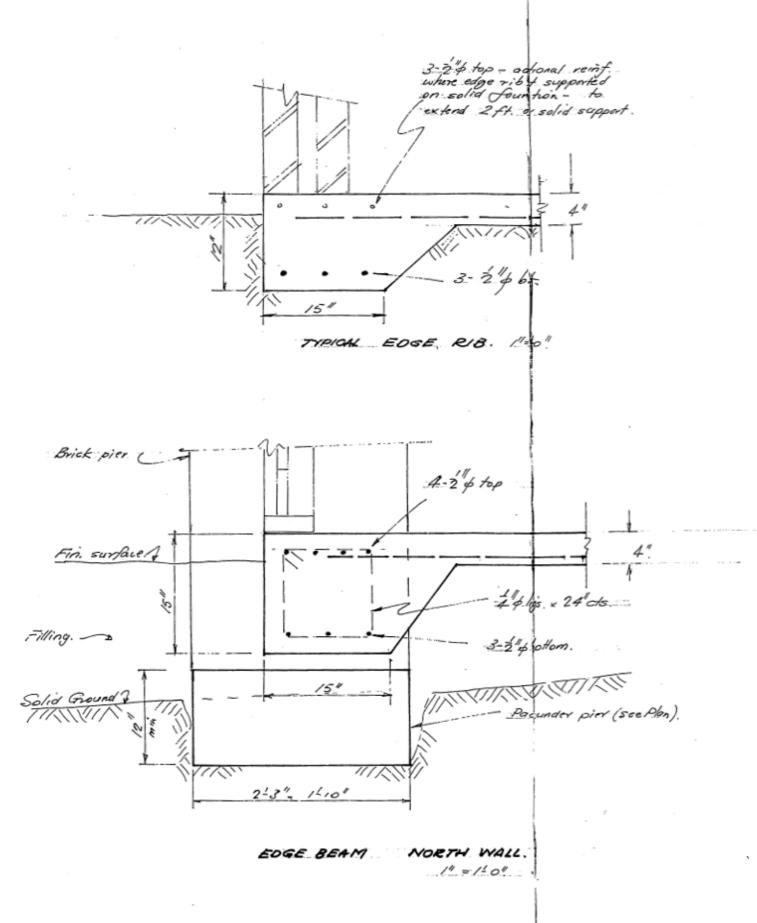


FLOOR and FOOTING PLAN. Scale & 1-1-01.



GENERAL NOTES:

The state of the s

All concrete shall comply with the S.A.A. Concrete Code for F' = 3,000 p.s.i.

Welded mesh shall lap 12" min at splices.

Minimum concrete coveri

ribs, beams 2".

strip footing 21.

Foundation material assumed uniform over site; all pads, edge ribs, floor slab on solid, etc. are to receive support on solid undisturbed ground. N.B. 4 No pads under N. wall piers require a min bearing capacity of 1.4 This assumption shall be verified on site by Building Surveyor and the pads increased in size if necessary.

COMPUTATIONS . STRUCTURAL

, 4" slab.

605 mesh.

15 " wider 12". nominal

3-2 / )

Floor slab on ground:

For domestic loading, with partitions of timber only, and assuming slab poured on solid ground (not fill) a 4" slab with minimum temperature reinforcement will be

Min. reinf in slab = 0.15 % ic. 00710"

13 ft. span edge beam on N. side.

wall @ 10#/a'. 8.10 = 80 #/f+. floor (3ft. widt.) 3. 50} 90 = 270 riof. (6ft ") 6x 20 200 670 \$/A.

max. moment = gx 670x 132 = 150 in - E.

V= 6x .67 = 402 f. V= 15x.86-12 = 26 ppi. O.E.

Typical 15 wide edge rib.

= 200 = 720 8- 90 = 200 1120 \$/4

Pado under N. well pions.

pin. 8- 45. 8 = 3.5 E. ana = 2.25= 1.85 = 4.1 p.

> YOUNG HOUSE of LOT 32 in VERMONT ST. GLEN WAVERLEY.

COMPUTATIONS and DETAILS of FLOOR SLAB and FOOTINGS

DE SIGNER:

ALISTAIR KNOX ELTHAM.

ELTHAM.

CONSULTING ENGINEER: GORDON DOERING B.C.E., A.M.I.E. AUST.

DATE: 3. 5. 67.