

Plot View - Static Case: ULS Earth (Linear) Mz' (kN-m)

$$A_s = 2577 \text{ mm}^2/\text{m} = 91170$$

1100 @ 100

$$v = \frac{V}{A_s} = \frac{1.1 \text{ N/mm}^2}{0.911 \text{ N/mm}^2}$$

$$v_c = 0.911 \text{ N/mm}^2$$

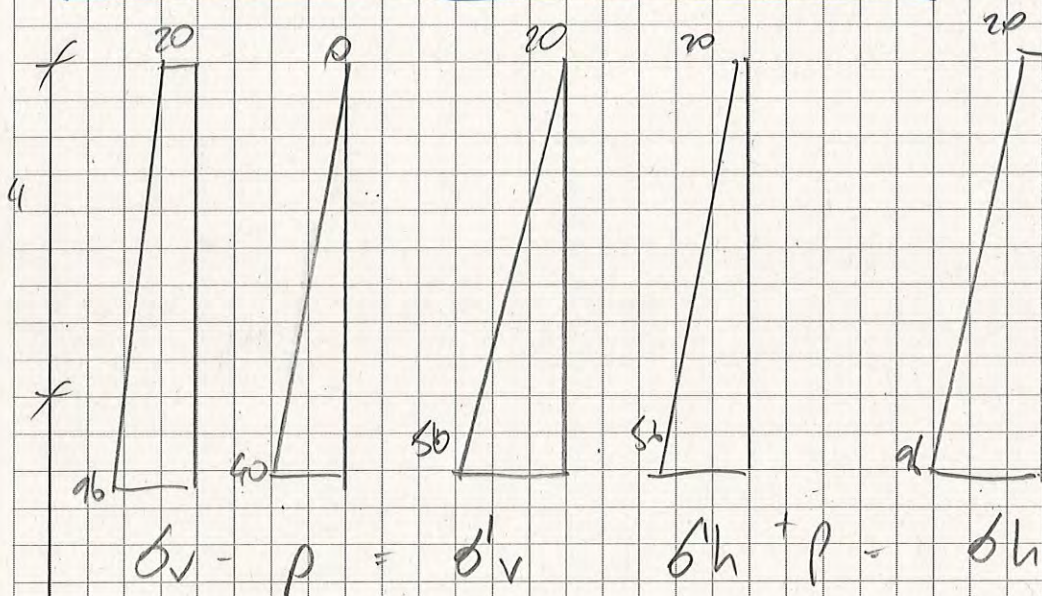
∴ provide min links - 465 mm @ 100

↳ look to refine at next stage
→ Reduce depths
→ Consider frame base

CHECK SLABING / OVERLAPPING / BASEMENT

- As designed as proposed at top, this is not considered an issue
- Temporary works design may require separate check

DESIGN CASE 2 - FRONT WALL



Max M = 176 kNm/m (ULS)

V = 212 kN/m (ULS)

Design Reinforcement

1. $d = 400 - 30 - 10 - 10$
 $= 350$

$k = 0.04$, $2 = 0.95d = 332.50$

$A_s = 1717$ = 116 @ 20 + 112 @ 20

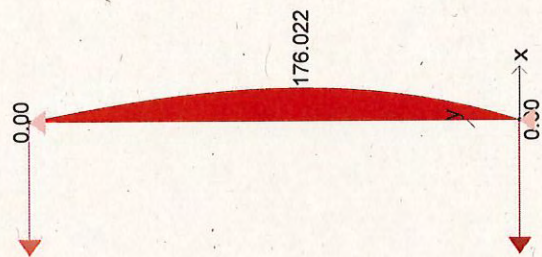
$V_{cr} = 0.58$

$v = 0.6$

Min links -
6 legs 18 @ 200mm c/c



Plot View - Static Case: ULS Earth (Linear) V_y' (kN)



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PROJECT

PROJECT No.

BY

DATE

CHECKED

SHEET No.

REV

SCIDING / SCREW / OVERWIND

By inspection etc

↳ look to refine design of next stage,
May fix best to assist carpenters.

