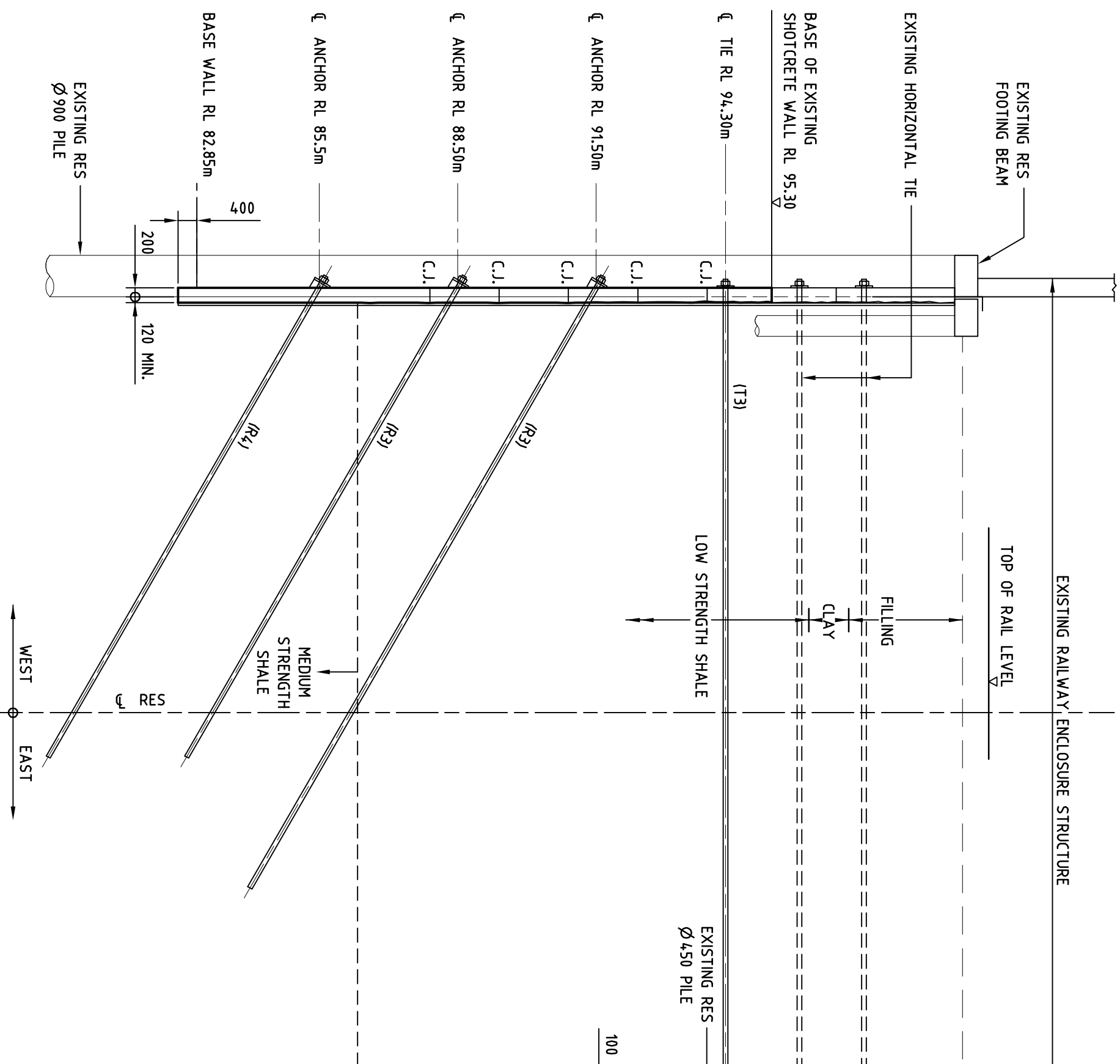




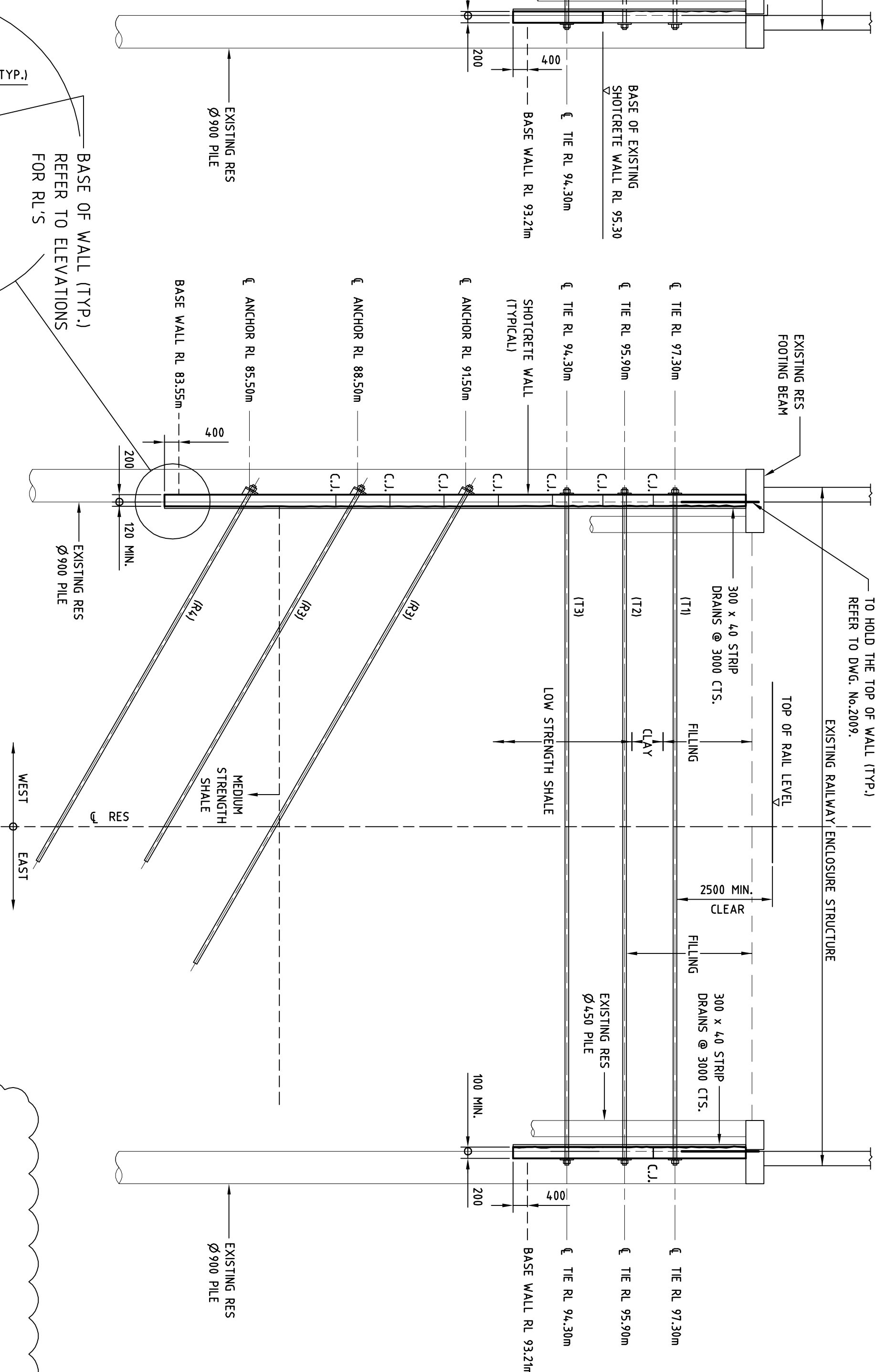
NOTE:
STRATA BOUNDARIES SHOWN ARE INDICATIVE ONLY, SHALE LEVELS TO BE CONFIRMED BY GEOTECHNICAL ENGINEER DURING EXCAVATION.
ALSO REFER TO 'DOUGLAS PARTNERS' REPORT 28994A DATED JANUARY 2001 FOR ROCK PROFILES
STAGING OF WORKS IN ACCORDANCE WITH GEOTECHNICAL ENGINEER'S REQUIREMENTS ON SITE - THIS WILL DEPEND ON SITE CONDITIONS FOUND DURING EXCAVATION.

SECTION 1
SCALE 1:100
TYPICAL SECTION FOR AREA RES21W TO RES22W.

NOTE:
FOR SHOTCRETE WALL REINFORCEMENT REFER TO TYPICAL DETAILS DRAWING 2009.

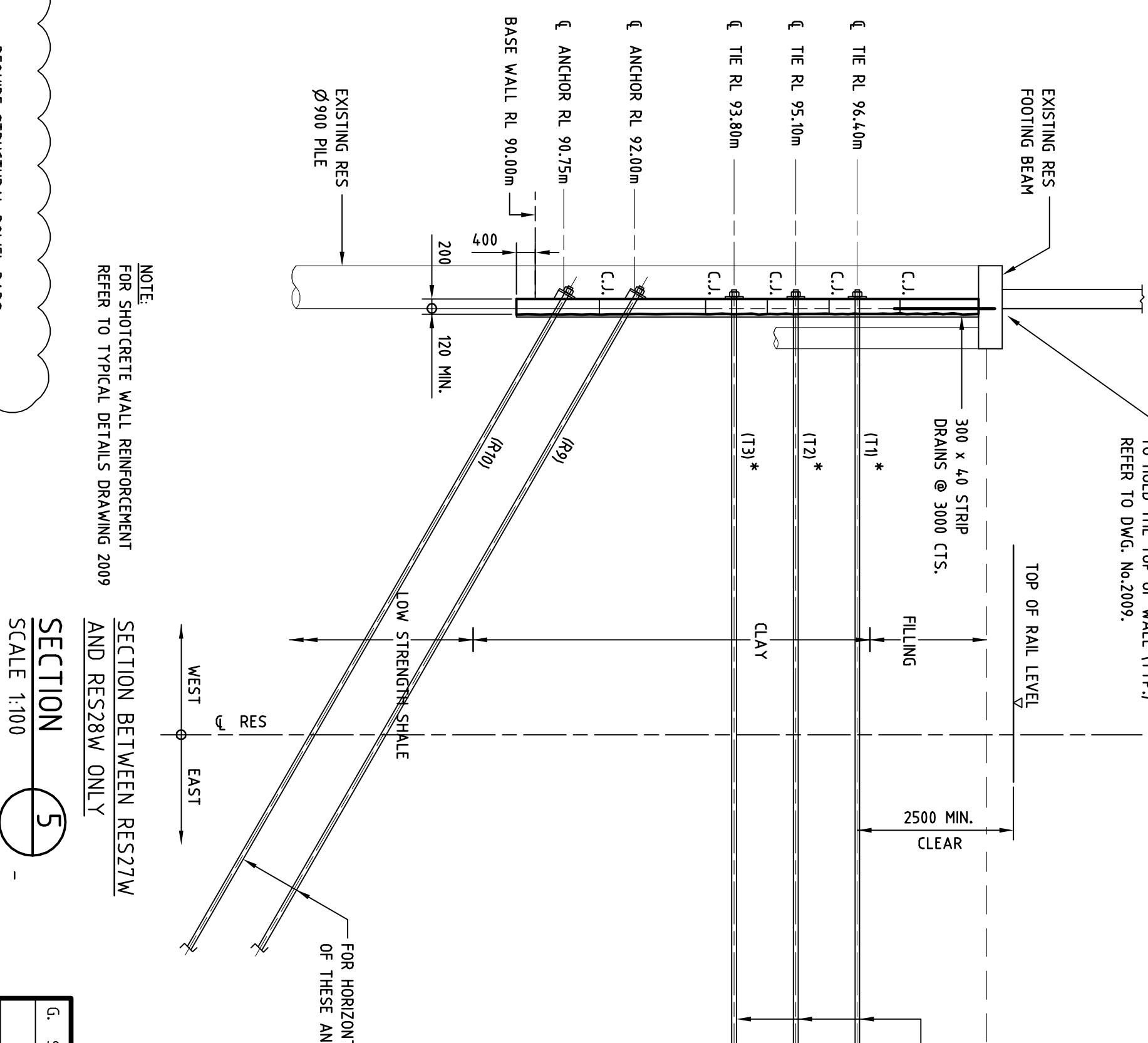
TYP. TOE DETAIL (ALL WALLS)

NOTE:
FOR SHOTCRETE WALL REINFORCEMENT REFER TO TYPICAL DETAILS DRAWING 2009.



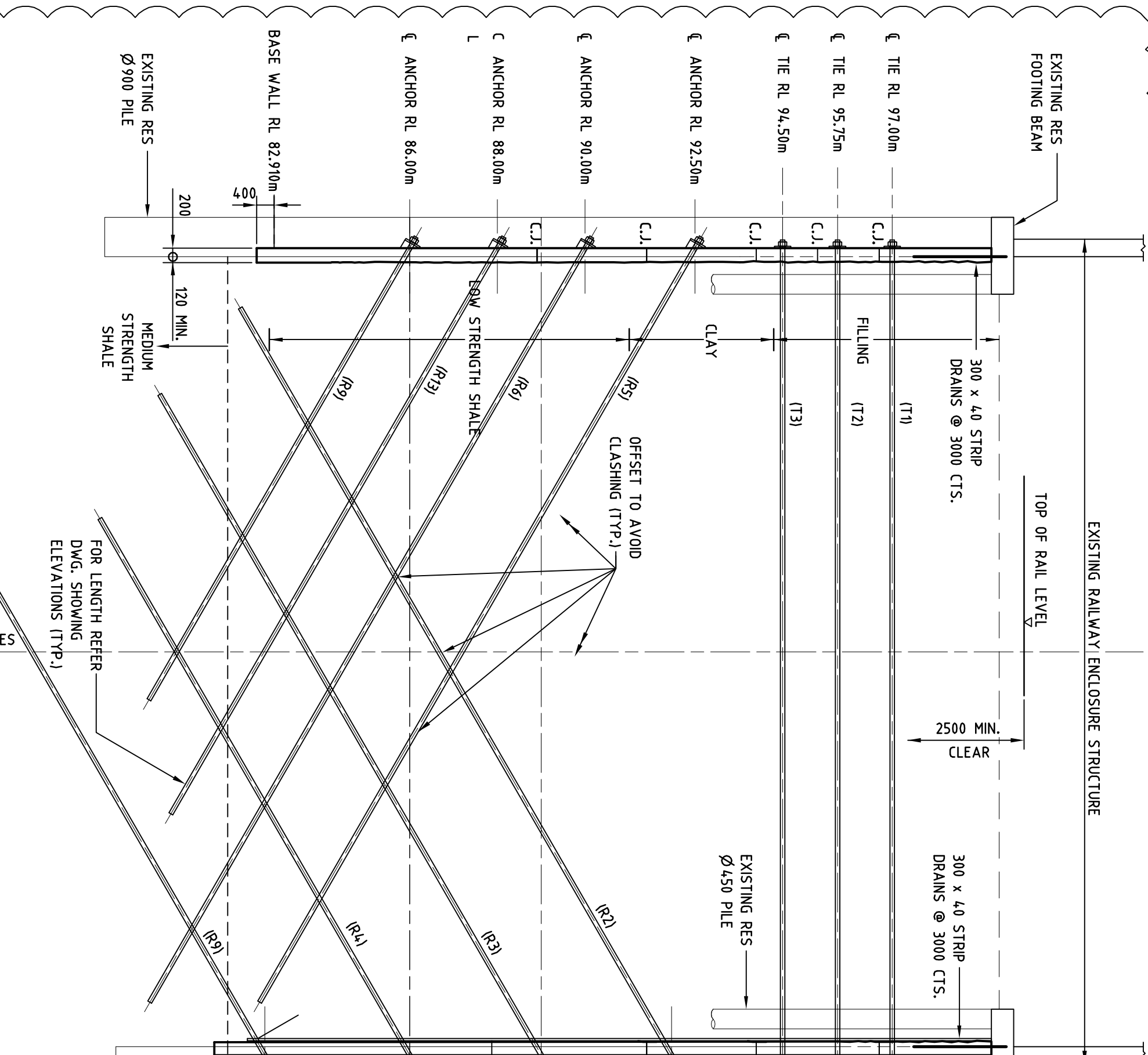
SECTION 2
SCALE 1:100
TYPICAL SECTION FOR AREA RES22W TO RES27W.

NOTE:
FOR SHOTCRETE WALL REINFORCEMENT REFER TO TYPICAL DETAILS DRAWING 2009.



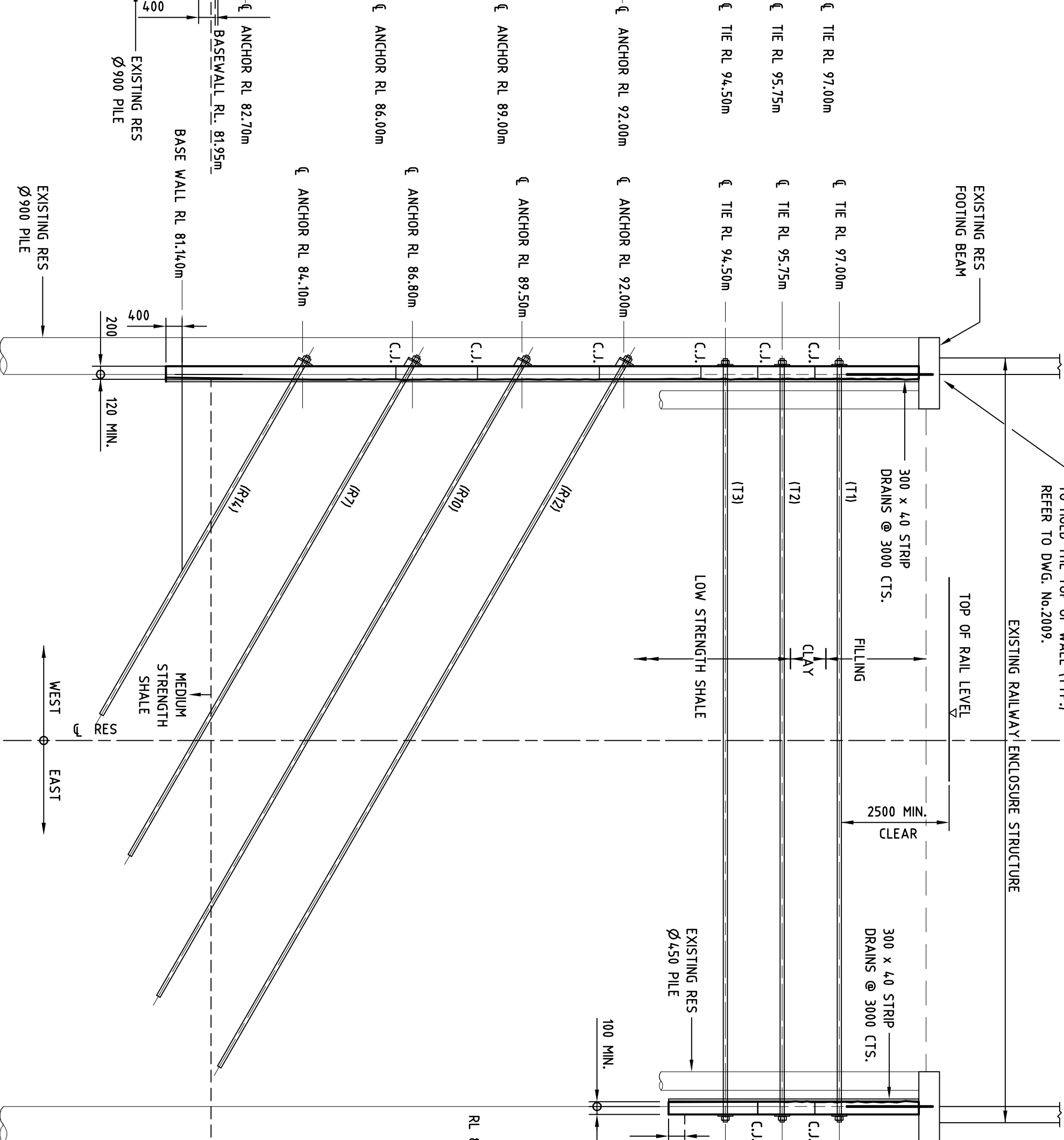
SECTION 5
SCALE 1:100
SECTION BETWEEN RES27W AND RES28W ONLY

NOTE:
FOR SHOTCRETE WALL REINFORCEMENT REFER TO TYPICAL DETAILS DRAWING 2009



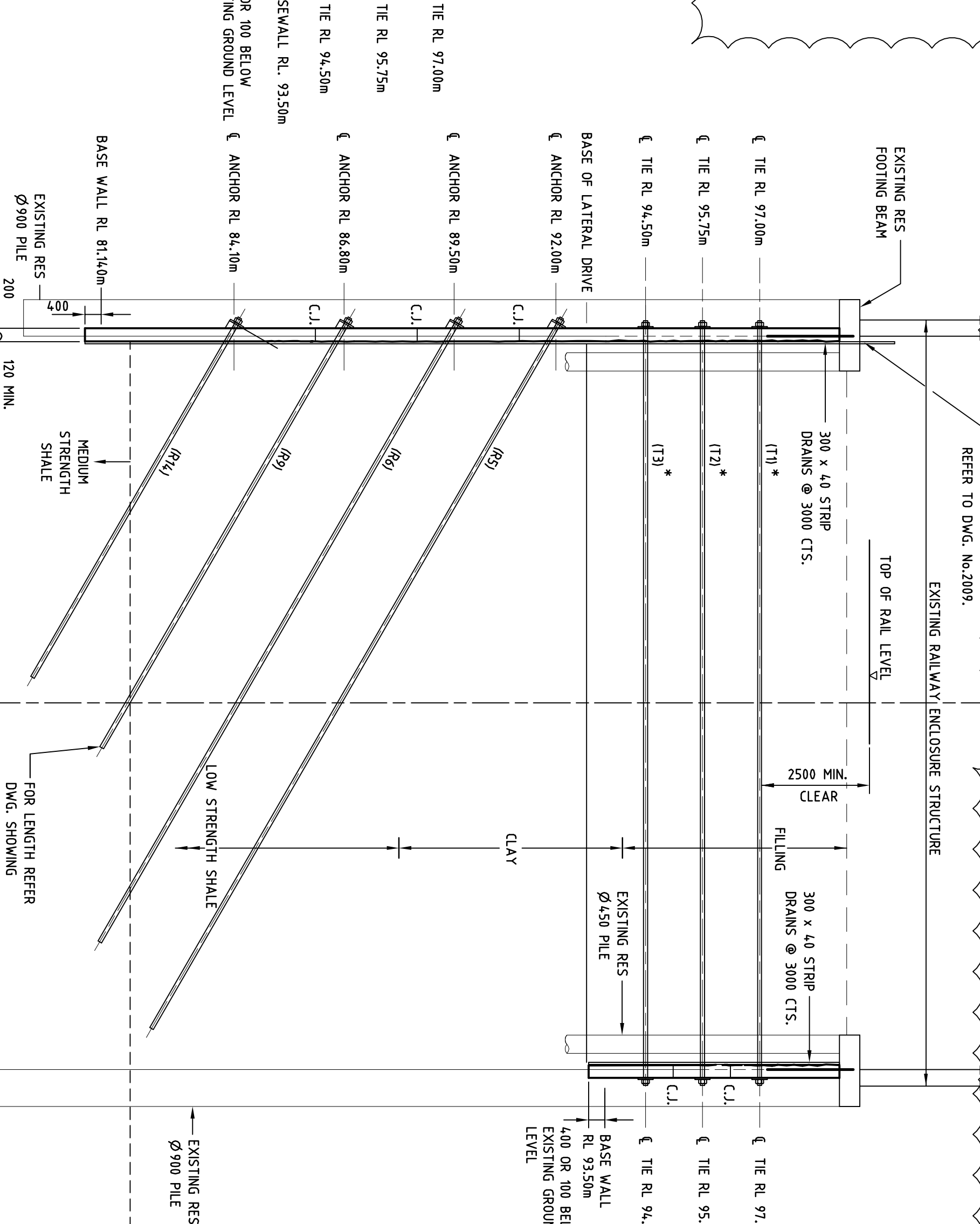
SECTION 3
SCALE 1:100

NOTE:
FOR SHOTCRETE WALL REINFORCEMENT REFER TO TYPICAL DETAILS DRAWING 2009



SECTION 4
SCALE 1:100

NOTE:
FOR SHOTCRETE WALL REINFORCEMENT REFER TO TYPICAL DETAILS DRAWING 2009



SECTION 6
SCALE 1:100

NOTE:
FOR SHOTCRETE WALL REINFORCEMENT REFER TO TYPICAL DETAILS DRAWING 2009

NOTE:
ROCK ANCHORS SHALL NOT EXTEND BEYOND THE WIDTH OF THE RAILWAY ENCLOSURE STRUCTURE.

NOTE:
FOR SECTIONS 7 AND ABOVE REFER DRAWING No.C11.

ISSUED FOR CONSTRUCTION

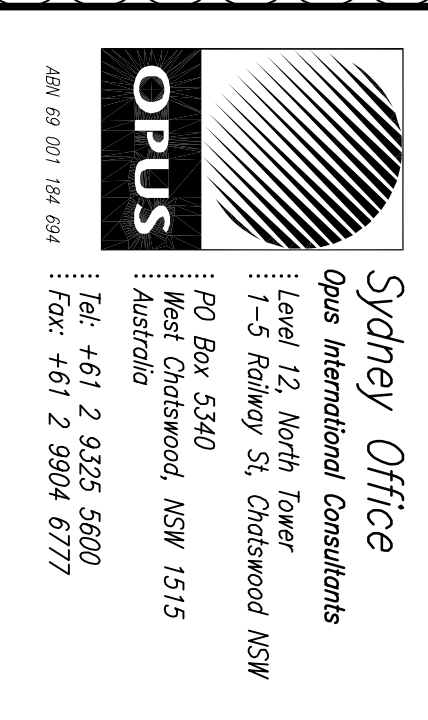
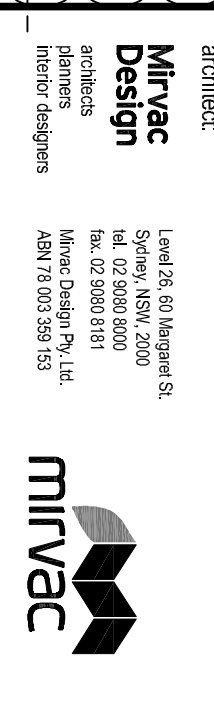
TIE/ANCHOR LOADS		
TIE/ANCHOR	DESIGN WORKING LOAD	DESIGN "LOCK OFF" LOADS
T1, T2 (T1*, T2*)	375 kN (188 kN)	385 kN (193 kN)
T3 (T3*)	625 kN (313 kN)	645 kN (323 kN)
R2	750 kN	775 kN
R3, R4, R5, R6, R7, R8, R9, R10	875 kN	900 kN
R11	500kN	550kN

FOR FREE LENGTH & BOND LENGTH REFER TO ELEVATIONS.

NOTE:
STIFF CLAYEY STRATA OR BETTER ASSUMED BELOW 150mm FROM UNDERSIDE OF RAILWAY FOOTING BEAMS. GEOTECHNICAL ENGINEER TO CONSIDER DURING EXCAVATION. STIFF CLAYEY STRATA OR BETTER MEASURES MAY BE REQUIRED IF SOFTER STRATA IS FOUND.

G. SECTIONS 3, 4 AND 6 AMENDED			16.07.10
E. LEVEL CHANGED FROM 94.00 TO 93.50			11.06.08
E. ISSUED FOR CONSTRUCTION OF BUILDING G			26.05.08
D. SECTION 3 AMENDED R11 ADDED TO TABLE			24.01.06
C. DRAWING REVISED TO HPA DMS NO 1050			23.05.03
B. DRAWING NO. REVISED TO HPA SYSTEM FROM CS TO 2008			29.08.02
A. ISSUED FOR CONSTRUCTION			05.07.02
5. ISSUED FOR CONSTRUCTION REVIEW			05.07.02
DESIGN	CS	AME	
DRAWN	MH		
APPROVED JWP			

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7 RAILWAY STREET
CHATSWOOD

SHORING SECTIONS

SCALE	PLOT DATE
AS SHOWN	

FILENAME	DRAWN	CODE	SHEET	REVISION
11768			2008	G