





Job No. Sheet No Rev. **Richard Tant Associates JAN** Consulting Civil & Structural Engineers 4423 A 54 Lisson Street London NW1 5DF 21.9.12 T: 020 7724 1002 F: 020 7224 8883 E: info@richardtantassociates.com Member/Location Job Title tenner Inserran Drg. Ref. ADJACEANT TO JACK STRAWS LASPE Made by AT Date JAN 2017 Chd. JM BETAINING / UNDER PIN PESIGN bEARING WESSURE CHO ATTERETS 3.4m OF 350 R.L. WALL, 3.75m OF 225 BASEMENT SCAB 3.75 OF 300 R.C. GROUND FLOOR SLAPE, 2.5 , OF 1ST, 2ND TIMBER FLOOR \$ 2.5 , OF TIMBER POOR \$ 9 m OF 300 CAUTY WALL ! kN/~ DEAD LOAD : UVE LOAD ! kN/m 3.4×0.35×24.5 = 3.75×0.25×24.5 = 3.75×0.3×24.5 = 29 29 3.75 × 2.5 = 10 3.75× 2.5 = 2.5×2.5×2 = 0 5 · 29 - 3 - 45 13 (2.5×0.6) 2 2.5×1.6 91×5 2.5,0.75 : 2 35KN/2 139 kN/m TOTAL = 174 kr/ (aLAR) 350 200 1400 $= 174 \text{ km}/(400) = \frac{125 \text{ km}/m^2}{1400}$ Flom GEA before SAFE CAPACITY = 17500/" .. O.K.

Joh No Sheet No. Rev. **Richard Tant Associates** ΊΑΝΓ Consulting Civil & Structural Engineers 12 4473 54 Lisson Street London NW1 5DF T: 020 7724 1002 F: 020 7224 8883 E: info@richardtantassociates.com Member/Location REPATINING WALL CALLOS Job Title Drg. Ref. AUSPERIA TO JACK STRAN'S CASSER Made by 🖉 Date JAN 2017 Chd. JM 3.3 27 45 55 E. SOIC = 3.3 + 10+ 0.8 = 27 kN/.2 WATER = 3.3 + 10 = 33 kN/.2 SURLIMARCE = 10 + 0.8 = 8 kN/.2 Ko=0.8 0=0.8 ACTIVE/NEST ASSUME NO AROUND FLOOR PROP: ." Mass CANST B.M. = (45455) 11 + 27, 1.7 = 156 kNm/m (CHAR) x 1.5 = 234 kD_/ (ULT) K= 23P/ 1000.300.40 = 0.07 <u>SPAN</u> = <u>3300</u> = 11 M.F. REQ = 1.6 M/2 = 2.6 fs = 172 ... M.F. = 1.3 .". PROVIDE B25-150 BOTH FACES