the Tomman 2 19.000, when we the remain on on 1. 1. 74266 Design steel structure Design windload 1.20(120) = TAH Ky/2 10.00 m Load 1, space touss, Try 80 kg. 15 1.00 = 80 (26.00)×12.00 = 12,480 kg. 6.00 18.00 - 4.00 Load 2, Column, Assume-steel \$0.00 m 1.00 26.00 m 400 -(Isomatic) -1. sen. the - Fill donevate 3 m. 13.00 m. Alman for analysis = (17 x0.8 × 0.015 × 10.50(7,350) + 3× (T× 0. v) × 2,000 4 10.00 00 -= 3,107 + 3, 418 = 6,725 kg 1 6 8 11 7.00 -Load 3. Feating Basome 3. #x3. # x1.20 6.02 1 = 3.00×1.20×1,400 1.00 -18.00 4. 4,00 m 4,00 4 = 25,920 kg 26.00 m Elevation) Axia load = 12,480+6,725+25,920 45,125 82. grothe Omen 17/2/66. HIE Walk and the 27.2. 742.46

Pile for readtion , Pe wive 5-4 Smin Top & Batton I-0.30×030 Spedification ES Anonayo, Tension by Pewine = (5×0. ML× 1,7000×0.7) ×2 1-30×30 × 20.00 4 Cross section, A = 600 dat. = 23,324 kg. = 144 Honford unit weight Jestim Madulis = 4,065 cm. Tension by friction of skin pile (15 mm) = 149 200. Panineter = (189×600×6.00) + (1.449×200×9.00) = 16,092 kg. Pile safe load used 30 tons. -> by supplier.  $\frac{\text{Compression}}{(+25720)/2]} = \frac{136,4871+(45,12625,920)}{(+25720)/2]}$ suppy load 1 boy wind lead 2 side add. spaceframe 12,480 kg 5 = 163,730+12,480 = 176,210 kg. Tension = (318, 189/2-80) = 113,925 Kg Gravity Resist. = Not prosent (F.S)  $\frac{3e|edt}{b} \frac{1}{b} \frac{1}{b}$ by compression = 176, 210/30,000 not greek 19/2/14 112 alle nonderes = 6 Pileo

whyd pressure action 10=144 ×13.00 = 1,872 kg/m R = 1,577 × 12.00 = 22,464 kg. 12:00 - R Reaction H = 22,464 by 14-20 m V = 45,155 Kg 3-1+1.7 = 8.20 m M = 22,464 × 14.20 m H = 22,404 mg = 318, 484 kg-m. = 318,989 kg=m Design Footing. "Jp P= 45,125 kg , M= 318,989 kg-2 Ym. R, = (45,125/2)-(318,989/2-80) = 91,362 kg.(L) R21 R2= (45,125/2) + (318,987/2.8) = 136,487 kg. Gravity Resist wind load M = (45,125-25,910+35,180) × 1.40 = 76,279 kg-m. 1.40 V 1.407 not speak property Assome Forting SIZE 3-SOX3-SOX1.20-HIL Willy a more W= 3-5+3-5×1.20×1400 A. 2. 742.66 = 35280 Kg

$$\frac{check}{dt} \frac{dt}{dt} \frac$$

11

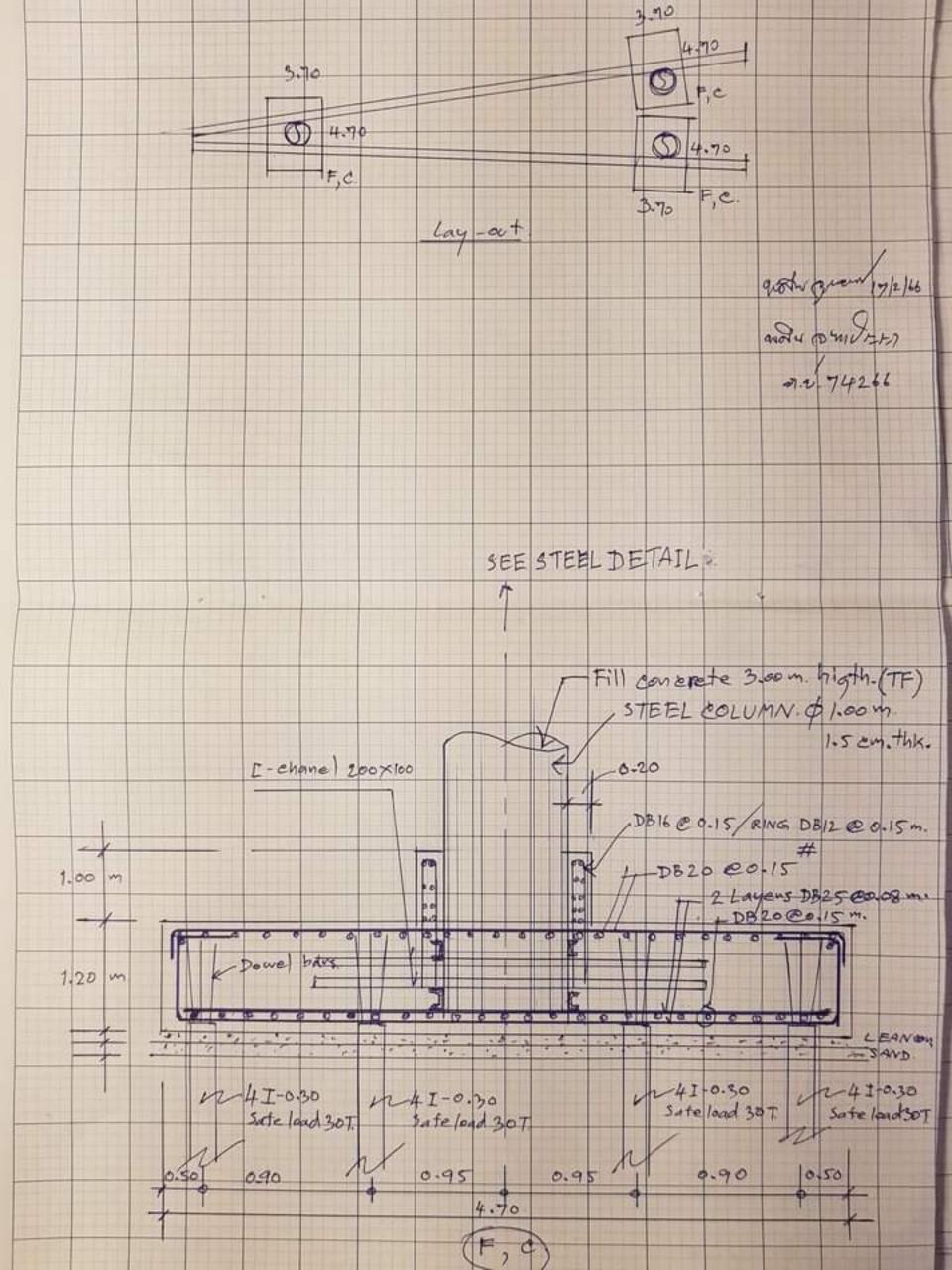
....

0.96 22 富 部 一一 Fating composition 0.90 22 弦 꼬 蕗 Present 4.70×3.70 m 0.95 4.70 = 17.39 5 (Assome 12.27 ) 0.95 52  $T_{c}$ 宫 部 Diff W. = 50 082 - 35,280 = 14,803 kg 0.90 出 詻 忠 密 0.50 uset piles & Ma (one mattion) 0.90 0.45 0.40 0.50 3.70 M= (8×30000)×1.40 Fhalysis 2 336 000 hg--P . Haffeation 1.40 V = 8×30,000 = 240,000 kg dreg = VRB R.C. Fasting V 12.711× 370×1+ = 84.5 cm. Try d = 110 em, D = 120 em, MR = Rbd = = 12.711×3.70×110 Asy = 336,000 1,700 × 0.895× 1.10 569 071 kg-4 = WSD = 200 en 331,000 (Main Re-War 2 Kayers) AS = 1,700 x 0. 845 x (1.10-0.05) 210.32 en usit 2 Layers DB 25 @ 0.08 - Main Re-bar not and min anthe o molece 3.2 742.66

$$\frac{check}{dt} \frac{dt}{dt} \frac$$

11

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$$D = 1.00, \xi = 1.5 \text{ cm}$$

$$I = \frac{1}{24} \left( \frac{9}{2} - \frac{4}{3} \right) = \frac{1}{24} \left( 100 - 97 \right) = 543,961 \text{ Cm}^{2}$$

$$Fill agueset, I_{2} = \frac{7}{24} D^{4} = \frac{7}{24} \left( 47^{5} \right) = 4.344,551 \text{ cm}^{4}$$

$$fill agueset, I_{2} = \frac{7}{24} D^{4} = \frac{7}{24} \left( 47^{5} \right) = 4.344,551 \text{ cm}^{4}$$

$$dowest N = \frac{1}{12} = \frac{200,000}{2,00000} = 2.10$$

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$$dowest N = \frac{1}{12} = \frac{200,000}{2,0000} = 2.10$$

$$dowest N = \frac{1}{2,000} = \frac{1}$$

