

She) Draw to 1:2 scale the top and sectional front views of a double viveted lap foint with (i) chain views of a double viveted lap foint with (i) chain and (ii) zig-zag viveting. The thickness of the plates and (ii) zig-zag viveting. The thickness of the plates and live 3 vivets in each row. Is 9 mm Show at least 3 vivets in each row.

t = 9mm d = 6/t > 6/t = 6x3 = 18mm p = 3d = 3x15 = 54mm m > 15td = 15x15 = 27 mm

transverse pitch tp = 0.8 + p = 43.2mm

diagonal pitch, dp = 0.6 * p = 0.6 x \$ 4 = 3.2.4 mm

Scaled down to 1:2

t: 45 mm

1-9 mm

P: 27 mm

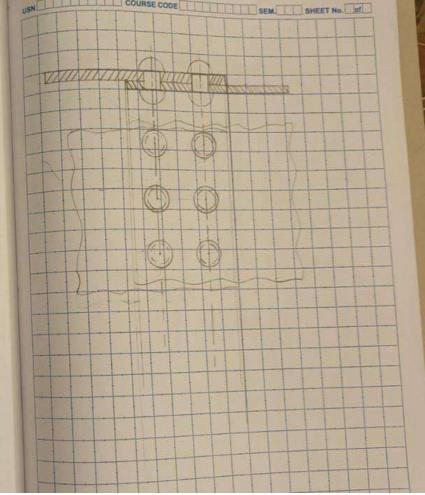
m: 13-5 mm

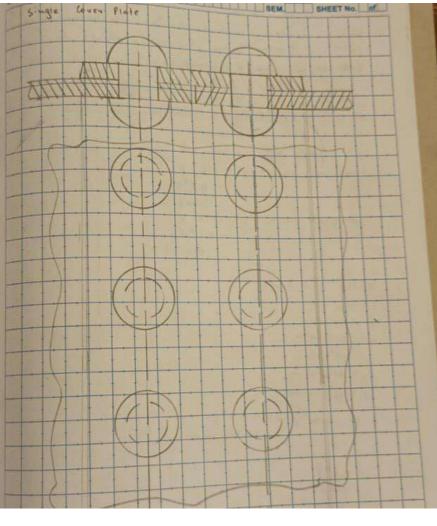
tp: 21-6 mm

dq: 16-2 mm

Rivet Head - 0-8 x d

7-2 mm



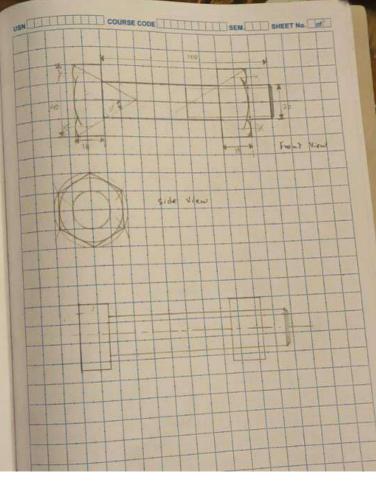


918 Draw the 3 views of ISO Threaded heraganal bolt 100 mm long, so mm dia and a thread tength of 50 mm and heragenal not assembly in the axis horizontal position. Indicate all the proportions and the actual dimensions

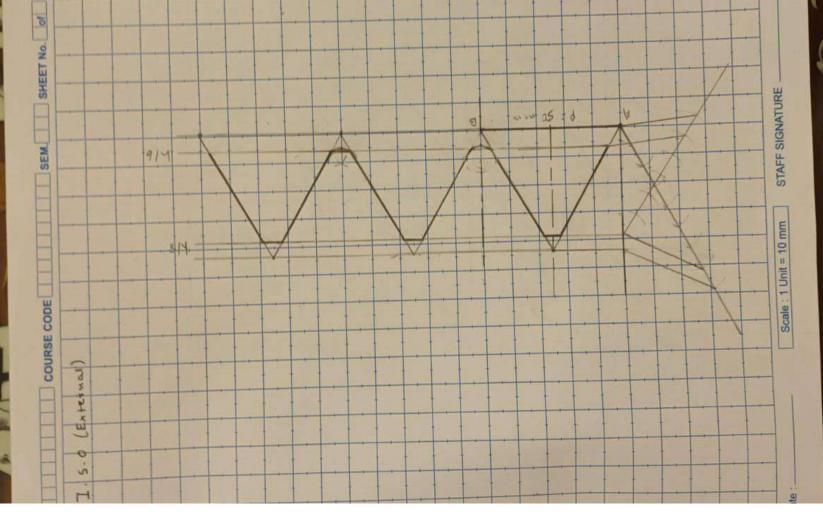
Bolt head dia = 2d = 2x20 = 40 mm

Thickness of bolt head = 0.8d = 0.8x20 = 16 mm

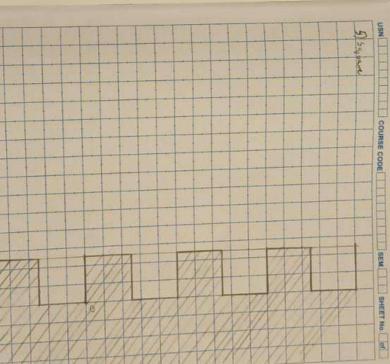
Thickness of not = 0.9d = 0.9x20 = 18 mm



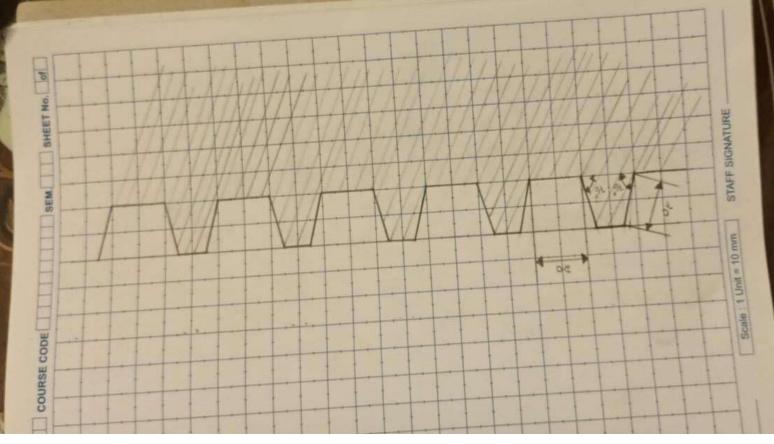
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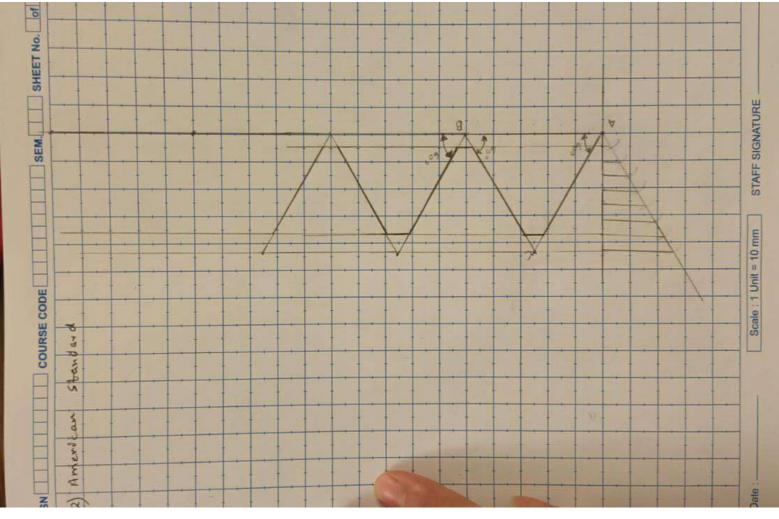


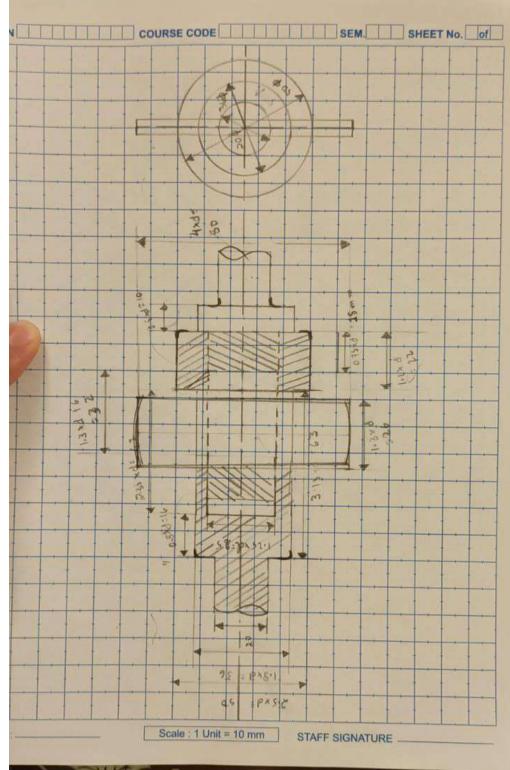
(92) Draw a square and acres thread for a pitch of 20 5 0 5 Vb

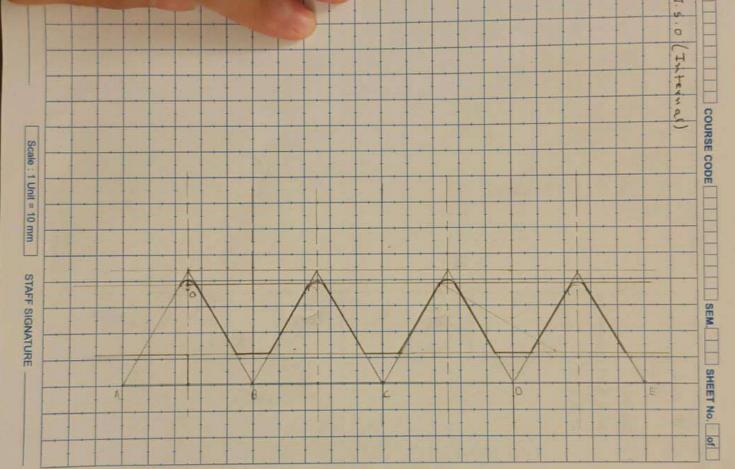


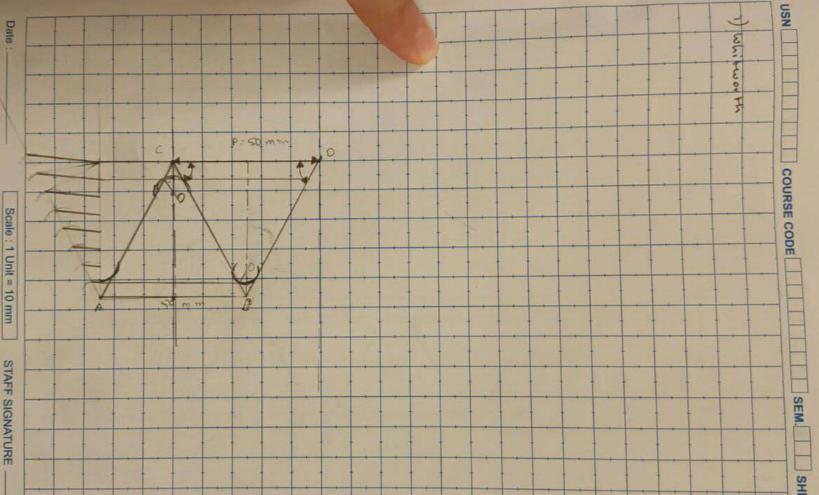
B



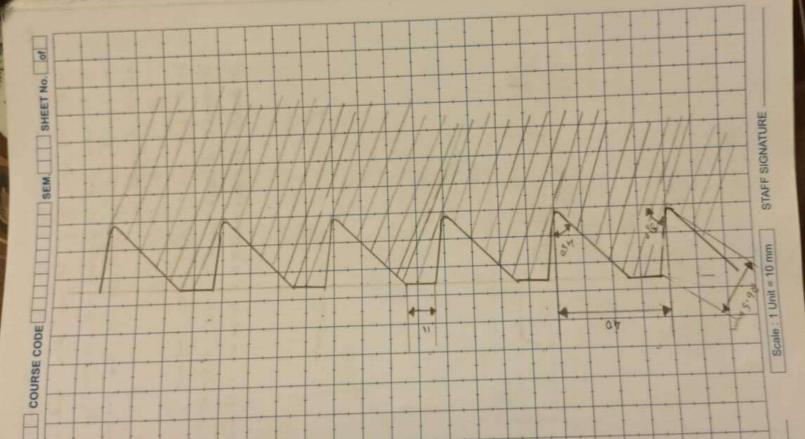


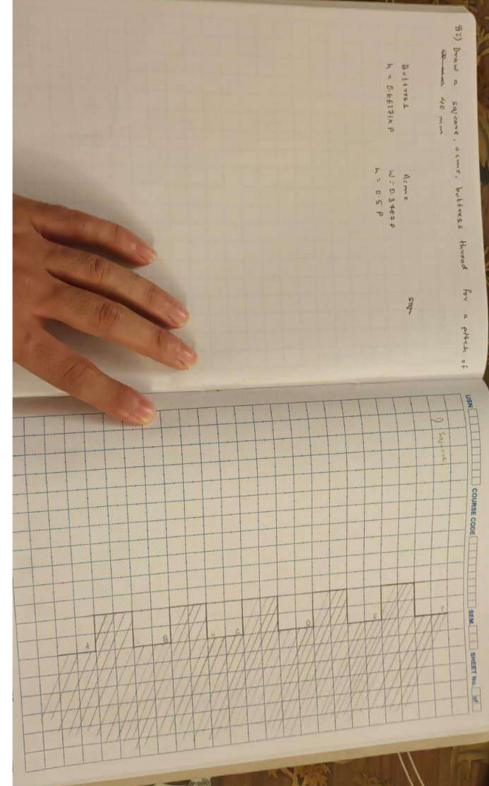




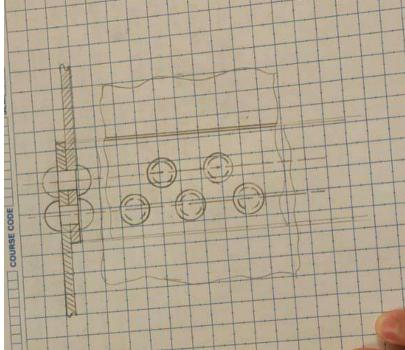


COURSE CODE SEM SHEET No. of Butt Joint Rivets Double Cover Plate Bij Draw to 1:1 scale the top and sectional front views of a double riveted both yout with i) single cover plate and ii) double cover plate. The Hickness of the plates is 9 mm. Show at least 3 rivets in each now, indicate all the dimensions. Use anap head rivets. + = 9 mm d = 8/1 = 6/9 = 6x3 = 18 mm P= 3d = 3x18 = 54 mm m= 15*d = 15x49 = 27 mm tp = 0.8+ p = 43.2 mm t of cover plate = 0.5 t - 7.2 mm





| 36 | | | Course |
|----|-----------------------------|----------------------------------|----------------------|
| | 3) Indian Standard | Thread (I.S.O Thread) (Fxternal) | 2) American Standard |
| | Angle - 60° T. S. O Thread | CInternal | |
| | 13300 | | |
| | THERE | | |
| | | | |



STANDARD FORMS OF V THREADS

Discovered by Sir Joseph Whitworth

Angle - 55°

Ai) Draw the profile of 3 types of V Thread of Pitch 50 mm. Indicate the anglete and depth of the thread. Name the thread profile.

H = 0.93 x P = 0.93 x 50 = 46.5

2) SELLER'S THREAD - AMERICAN STANDARD THREAD &

Root and Grest are flat

h= 0.86 AP