7T Standard Cell Cell Height = (N-1) + PHEN = 6x5.5 = 33 mm. Pitch= 5.5 mm-> Without Via overhung. Cell Height = 4+ b+ Wp+x+ Wn + p+x. FOR B=1 => MP => WP=Wn,; Cell Height= 1.25+ 26+ 2WP+ x+P 33 = '25+5+10+2WP 17.5+2Wp=33 Now, TWA = 7:75 In slade the 19 in i mum width of Wn= 7.75 HP/Wn Should be 4.5 um according to DRCfile. Vatures at a stap of ors mon LOTINP=7.75+0.5 = 8.25] => B= 8.25 = 1.137 => B=1.137 7.25 Wn=7.75 -0.5 = Vorying at a step of 0.25um Mb = 8.52 mm 1.75 -0.25 = 7.5 PE 1.06 Wm=7.25 Mm WP = 7.75 H = 8.75 } [P= 1.296 WM = 7.75-1 = 6.75] IWP= BU [WM= 7.54 WP= 8.75M Wp= 7.75+0.75= 8.5[JW7= B.754 Wm= 7.75-0.75= 7 1 351214 WP= 7.75 +1.5 = 9.25 } B= 1.48 Wp= 8.54 WM= 74 Wp=7.75+1.25=9 [B=1.384] [WP = 89, 250 WM= 6. 25h TUP=9U WP= 7.75+2= 9.75 }[B= 1.695 10m = 6.54 7.75 - 2 = 5.75 WP= 7.75+1.75 - 9.5 11 =1.583 1.WP = 9.754 Wn=7.75-1.75= 6 5 wn= 5.754 WP=9.54 WP = 7.75+2.5= 10.25] B=1.952 WM = 6 W 7.75-8.5= 5.25 5 Wp=7.75+2.25=10] Wn=7.75-2.25=5.5] [B=1.818 WP=10.254 WW = 5.3284 IWP = tou 1Wn = 5.54 Wp = 7.75 +3 > 10.75 } B = 2.263 WP=7.75+2.75=10.5 P= 2.1] 7.75 -3 = 4.75 }. Wn = 7.75 - 2.75= 5 J WP = 10.754 WP=10.54 wn= 5 4 WM = 4.75" WP=7.75+3.25=11 } B=2.44 WP=7.75-3.25=45} oun = 405 u priminum IMPEIIU

7T Standard Cell. Cell Height = 234 Prtch = 5.5 h

WP	Wn
B=1 7.75 u	7.75 W
B=1.06 8 u	7.5 u
B=1.137 B.Rs 4	7. RS W
B= 1.214 3.5 W	7 4
B= 1.296 8.754	6.75 u
B = 1.384 qu	6. <u>S</u> u
B= 1.48 9.25u	6.8 Cu
召=1583 9154	6u,
B= 1.695 9.754	S. 75 W
B= 1.818 lou	C. S U
B= 1.952 0.254	5.25 u
B = 2.1 10.54	Su
B= 2.268 10.75 U	4.75u
B= 2.44 114	4.5 u
	19 Portonum Width
	according to CNMRS DRC tile.

77 Standard all Pr+ch = B. Sum -> Considering Via overhung Cell Height= 6x8.5= 514m. Wy MP 16.75 W 16.754 8=1 = 16.54 17 W B = 1.03 = 16. 25u 17.254 B= 1.061 = 16 4

17.54

B=1.093 = B=1.126 = 17.75 W

B=1.161 =

B= 1.196 =

13=1.23=

B=1.271 =

B = 1.310 =

B = 1.350 =

B=1.392 =

B = 1.436 =

B=1.481 =

B=1.528=

18 d

18.25 u

19.75 W

20 U

20-25 U

18.5 U

18.754

19 a

19.25 u

19.5 u

13.75 4

13.5 4

15.75W

15.5 U

15-25 W

15 th

14.75 U

14. Su

14.25 M

144

13-25 U