BAR BENDING SCHEDULE

All dimensions in mm unless stated. Cutting lengths to the next whole 25 mm.

Project	BBS no. and revision	Drawing no. and revision	Level and members
Concrete grade	Steel grade	Clear cover	Prepared on

Schedule

Bar mark	Member and location	Shape	Bending dimensions	Dia mm	No. of members	Bars in each	Total bars	Cutting length mm	Total length m	Weight kg (d^2/162 per m)
						Total				

Working: cutting length of stirrup B1-04

Beam width, mm	
Beam depth, mm	
Clear cover, mm	
Stirrup bar diameter, mm	
Hook extension each end, mm (as drawn; IS 2502 asks for at least 8d)	
A, out-to-out width (b minus 2 covers)	

B, out-to-out depth (D minus 2 covers)	
Bend deductions: three 90° at 2d, two 135° at 3d	
Cutting length = 2(A + B) + 2 extensions minus deductions, mm	

Working: cutting length of cranked slab bar S5-01

Bar length end to end, mm	
Slab thickness, mm	
Clear cover top and bottom, mm	
Bar diameter, mm	
H, height of crank (slab minus 2 covers minus 1 dia)	
Extra length for two 45° cranks, 2 x 0.42H	
Bend deductions: four 45° bends at 1d	
Cutting length, mm	

Steel to order

Total weight in this schedule, kg	
Wastage allowed, %	
Steel to order, kg	
Steel to order, tonnes	

Notes
Laps as per IS 456 clause 26.2.5, staggered. Tie bundles with a label giving the bar mark, this BBS number and the position. Check the schedule against the latest drawing revision before cutting.

Prepared by (site engineer)

Checked by (QS or structural)

Approved by (PMC or consultant)