

Vibrant Engineering

301, Palace Plaza, Palace Road,

Near Kashivishwanath Temple. Baroda - 390 001.

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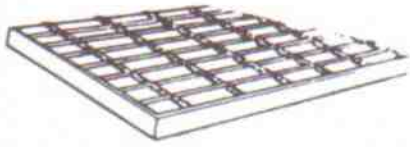
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ENGINEERING

FLOOR GRATING

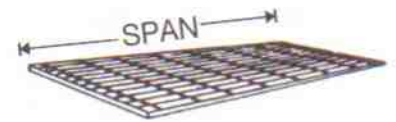
GRATING



AN OPEN RIGID ASSEMBLY OF METAL BARS IN WHICH THE BEARING BARS (MAIN MEMBER) RUNNING IN ONE DIRECTION ARE CROSSED BY CROSS BARS RUNNING AT RIGHT ANGLE TO BEARING BARS.

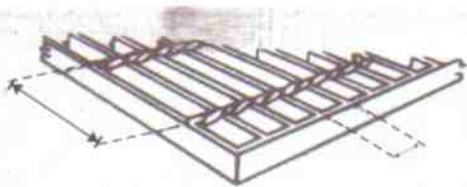
SPAN (LENGTH)

LENGTH IS DIRECTION OF SPAN. THE OVERALL DIMENSIONS OF FLOORING PANEL PARALLEL WITH THE LOAD BEARING BAR. THIS DIMENSION IS ALWAYS REFERRED TO AS "SPAN" EVEN IF IT IS SHORTER THAN WIDTH.



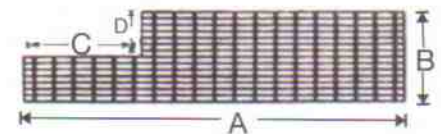
PITCH

THE DISTANCE CENTRE-TO CENTRE OF LOAD BEARING BARS OR CENTRE TO CENTRE OF TRANSVERSE BARS.



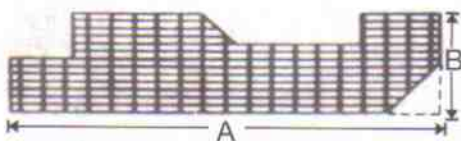
NETT AREA

THE AREA OF FLOORING REMAINING AFTER DEDUCTING AREAS CUT TO WASTE.
($A \times B - C \times D$)



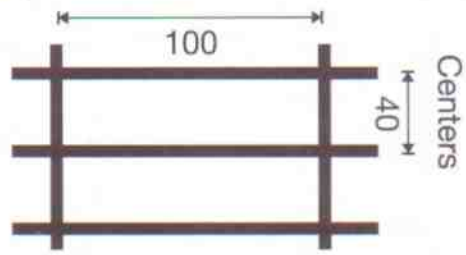
GROSS AREA

THE TOTAL AREA OF FLOORING INCLUDING AREAS CUT TO WASTE ($A \times B$).

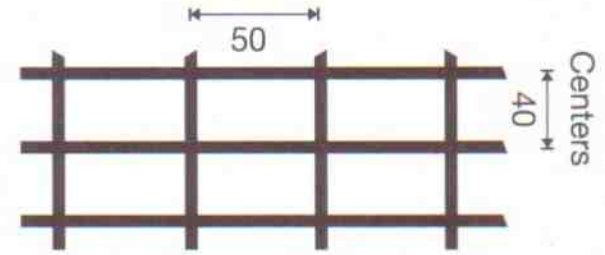


STANDARD TYPES OF OPEN STEEL GRATINGS

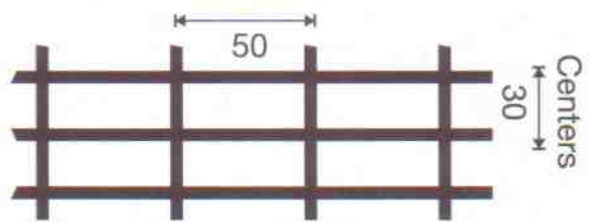
R - 4



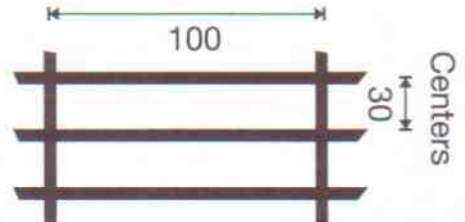
RR - 4



RR - 3



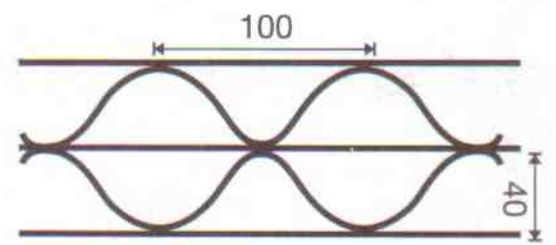
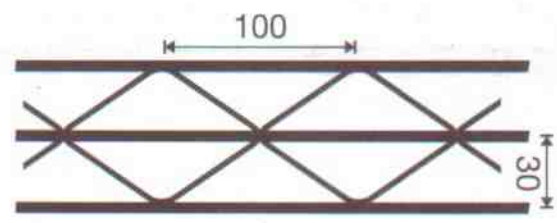
R - 3



ZZ - 3

ZIG ZAG GRATINGS

ZZ - 4

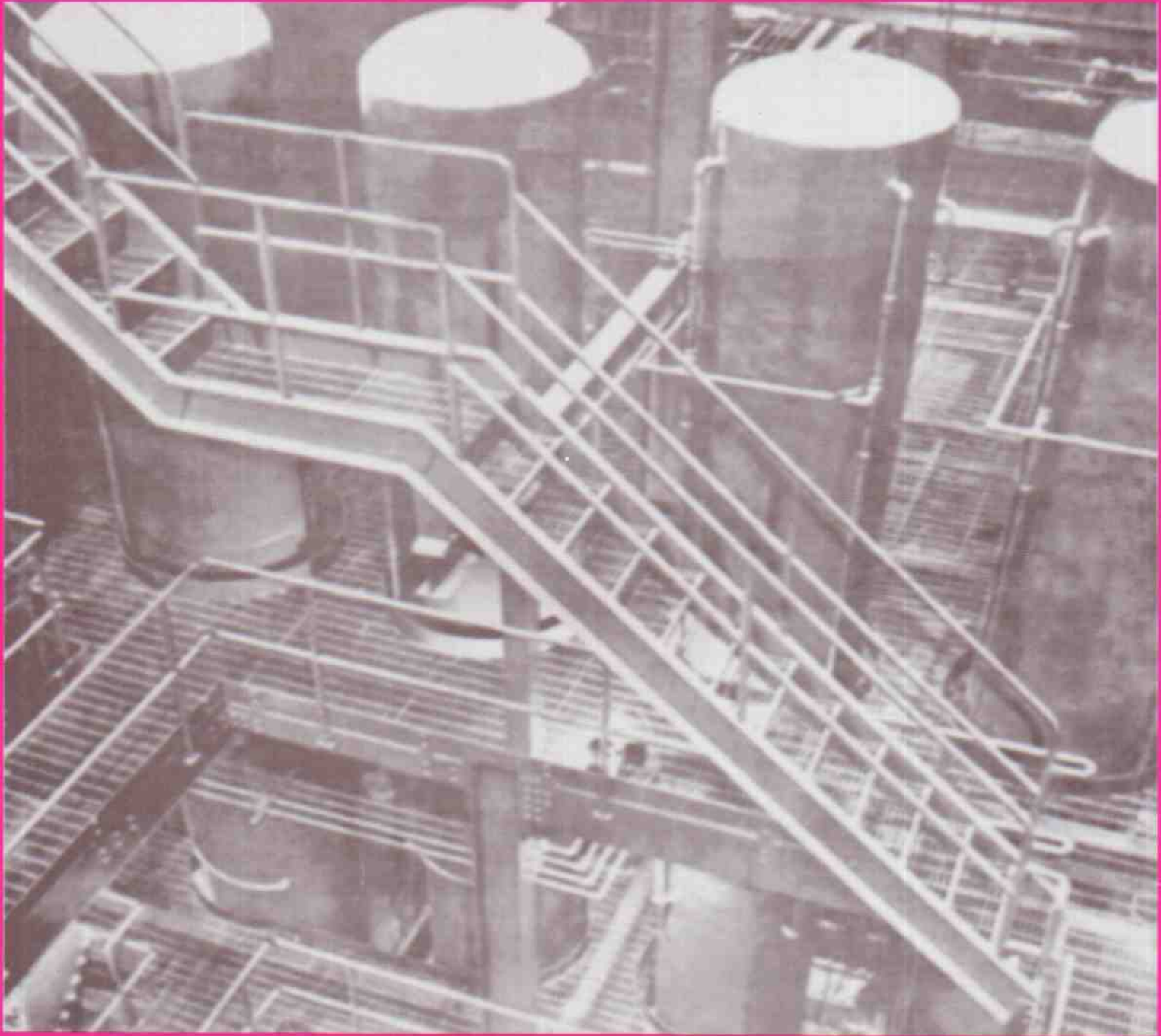


Construction of gratings:

The bearing bars are notched up and crossed bars are inserted in between the size of cross bar is half to size of bearing bar.

B.B SIZE	R-4	RR-4	R-3	RR-3	ZZ-4	ZZ-3
25x3	20.65	23.50	26.40	29.30	27.82	37.10
25x5	32.21	35.20	41.50	44.40	39.50	52.20
30x3	24.89	27.82	29.77	34.20	31.70	41.00
30x5	38.10	41.00	49.77	52.70	46.85	59.10
35x3	28.25	29.30	33.67	37.10	33.70	44.90
35x5	43.92	47.34	57.10	60.00	51.24	68.32
40x3	32.70	39.00	42.00	48.80	44.90	50.00
40x5	51.24	54.12	62.90	67.80	61	81.50
45x5	56.10	61	73.2	82.50	68.30	92.20
50x5	62.50	67.40	80.52	85.40	74.20	98.50

IT IS BEST ALTERNATIVE TO CHEQUERED PLATE & RCC SLAB



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OFFICE :

301, Palace Plaza, Palace Road,
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WORKS :

Plot No. 611/b - 110, G.I.D.C,
Makarpura, Vadodara - 390 010.