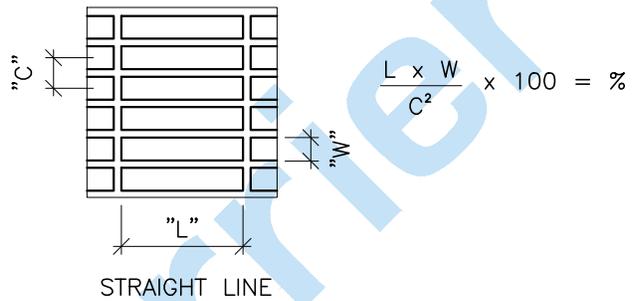
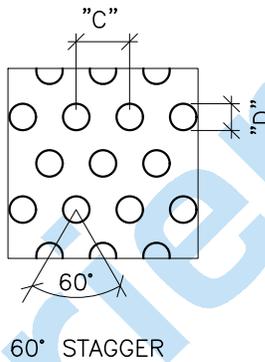
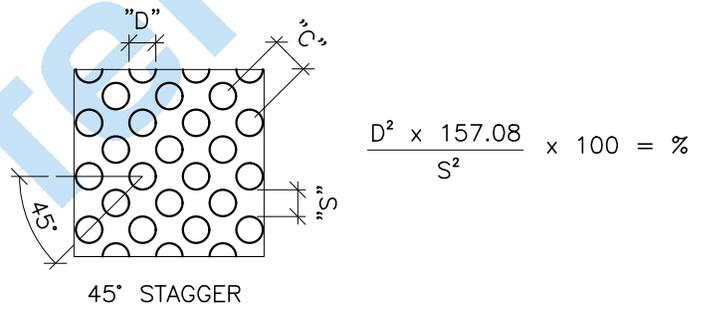
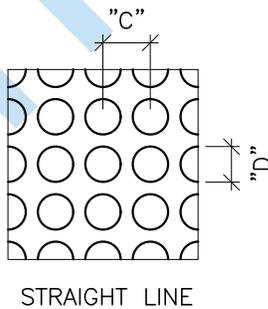


TO CALCULATE THE HOLES PER SQUARE INCH: H.P.S.I. = $\frac{\% \text{ OPEN AREA}}{78.54 \times D^2}$

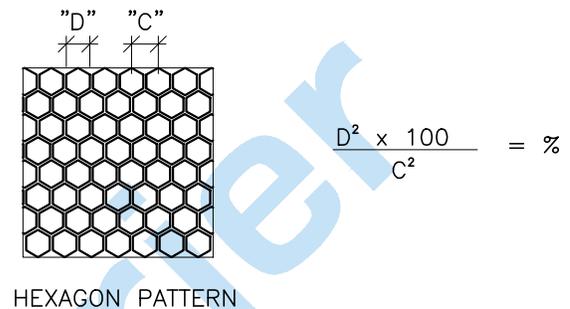
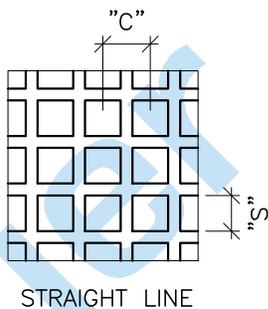
$$\frac{D^2 \times 90.69}{C^2} = \%$$



$$\frac{D^2 \times 78.54}{C^2} = \%$$



$$\frac{S^2 \times 100}{C^2} = \%$$



NOMENCLATURE – HOLE DIA. "D" x CENTRE TO CENTRE DIMENSION "C" x THICKNESS OF THE MATERIAL
eg. 1/4" x 3/8" x 16 GA MEANS A .250" DIA. HOLE STAGGERED .375" APART ON A 16 GA THICK MATERIAL.

HOLE DIA. – DIAMETER OF THE HOLE "D".

CENTRES – DISTANCE FROM THE CENTRE OF ONE HOLE TO THE CENTRE OF THE NEXT HOLE "C".

THICKNESS – COMMONLY NOTED AS A GAUGE EXCEPT FOR ALUMINUM PERFORATED WHERE THE ACTUAL THICKNESS OF THE MATERIAL IS NOTED e.g. 1/2" x 3/8" x .062" THICK.

PERCENT OPEN AREA – DESCRIBES THE AMOUNT OF FLOW (PRODUCT AIR, MATERIAL, LIGHT, ETC.) THAT WILL FLOW THROUGH THE PERFORATED MATERIAL. SEE CALCULATIONS ABOVE.

MARGIN – THE SOLID EDGE OF THE SHEET. MOST STANDARD PERFORATED SHEETS WILL HAVE A SOLID MARGIN ALONG THE LENGTH OF THE SHEET AND NO MARGIN ACROSS THE WIDTH OF THE SHEET.

PERFORATED METAL PATTERNS

Project No. FW-04	Date: APR 30, 2018	Drawn By: RR
Drawing No. S1	Rev:	Checked By: MW

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