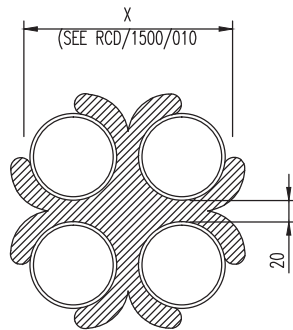


SECTION THROUGH
LONGITUDINAL DUCT
ARRANGEMENT

ELEVATION ON
LONGITUDINAL DUCT
ARRANGEMENT



ALTERNATIVE SPACER/CLIP
ARRANGEMENT
(SEE NOTE 5)

NOTES:

1. DUCT MATERIALS, SPACERS AND STRAPPING ARE SPECIFIED IN MCDRW CLAUSE 1530.
2. JOINTING COLLARS SHALL BE INSTALLED TO AXIALLY ALIGN AND FIRMLY HOLD CONSECUTIVE LENGTHS OF DUCT. THEY SHALL BE DESIGNED, MADE AND INSTALLED TO ENSURE THAT A WATER AND AIR TIGHT SEAL IS ACHIEVED BETWEEN ADJACENT DUCT LENGTHS, THE EFFICACY OF THE SEAL SHALL BE TESTED IN ACCORDANCE WITH MCDRW CLAUSE 1533. COLD SHRINK SEALS MAY BE USED TO SUPPLEMENT THE SEALING PERFORMANCE OF THE JOINTING COLLAR. COLD SHRINK SEALS SHALL NOT BE USED ON THEIR OWN.
3. DUCTS SHALL BE SEPARATED BY MEANS OF A PURPOSE MADE SPACER. THE SPACER SHALL ENSURE THAT THERE IS SUFFICIENT ROOM FOR JOINTING COLLARS – NOMINALLY 20mm SEPARATION. SPACERS ARE PROVIDED TO ENSURE THAT THE SEPARATION BETWEEN DUCTS REMAINS CONSTANT ALONG THE LENGTH OF DUCTS DURING INSTALLATION, BACKFILLING AND IN SERVICE. SPACERS SHALL NOT CAUSE DAMAGE TO THE DUCTS EITHER DURING INSTALLATION OR IN SERVICE.
4. THE STRAPPING IS TO BE PURPOSE MADE AND SPACED AT INTERVALS TO ENSURE THAT THE DUCT AND SPACER ARRANGEMENT SHOWN IN THE SECTIONAL DETAIL IS NOT DISTURBED DURING INSTALLATION, BACKFILLING AND IN THE SERVICE. THE STRAPPING WOULD TYPICALLY BE INSTALLED AT 1000 INTERVALS.
5. A PURPOSE MADE, COMBINED, SPACER/CLIP ARRANGEMENT MAY BE USED AS AN ALTERNATIVE TO SEPARATE SPACER AND STRAPPING, PROVIDED THAT THE CONTRACTOR CAN DEMONSTRATE THAT THE SPACER/CLIP IS CAPABLE OF RETAINING DUCTS IN PLACE DURING INSTALLATION AND SERVICE.

NOT TO SCALE

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