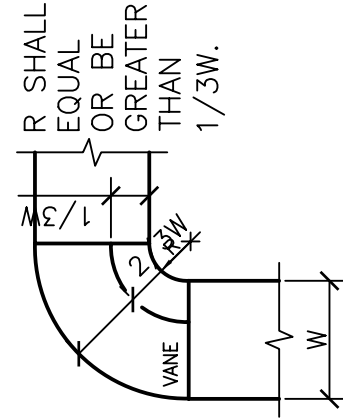
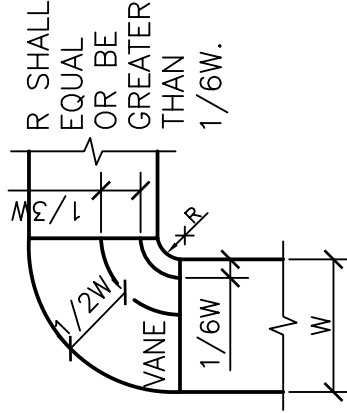


STANDARD RADIUS OR LONG RADIUS ELBOW



SHORT RADIUS ELBOW WITH ONE VANE



SHORT RADIUS ELBOW WITH TWO VANES

NOTE:

1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
2. ALL STANDARD RADIUS ELBOWS CAN BE SUBSTITUTED WITH SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

DUCTWORK RADIUS ELBOWS

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NTS

DESIGNER'S NOTE:
DO NOT SHOW MITERED ELBOWS AND MITERED OFFSETS (TRANSITIONS) GREATER THAN 15 DEGREES ON DRAWINGS.