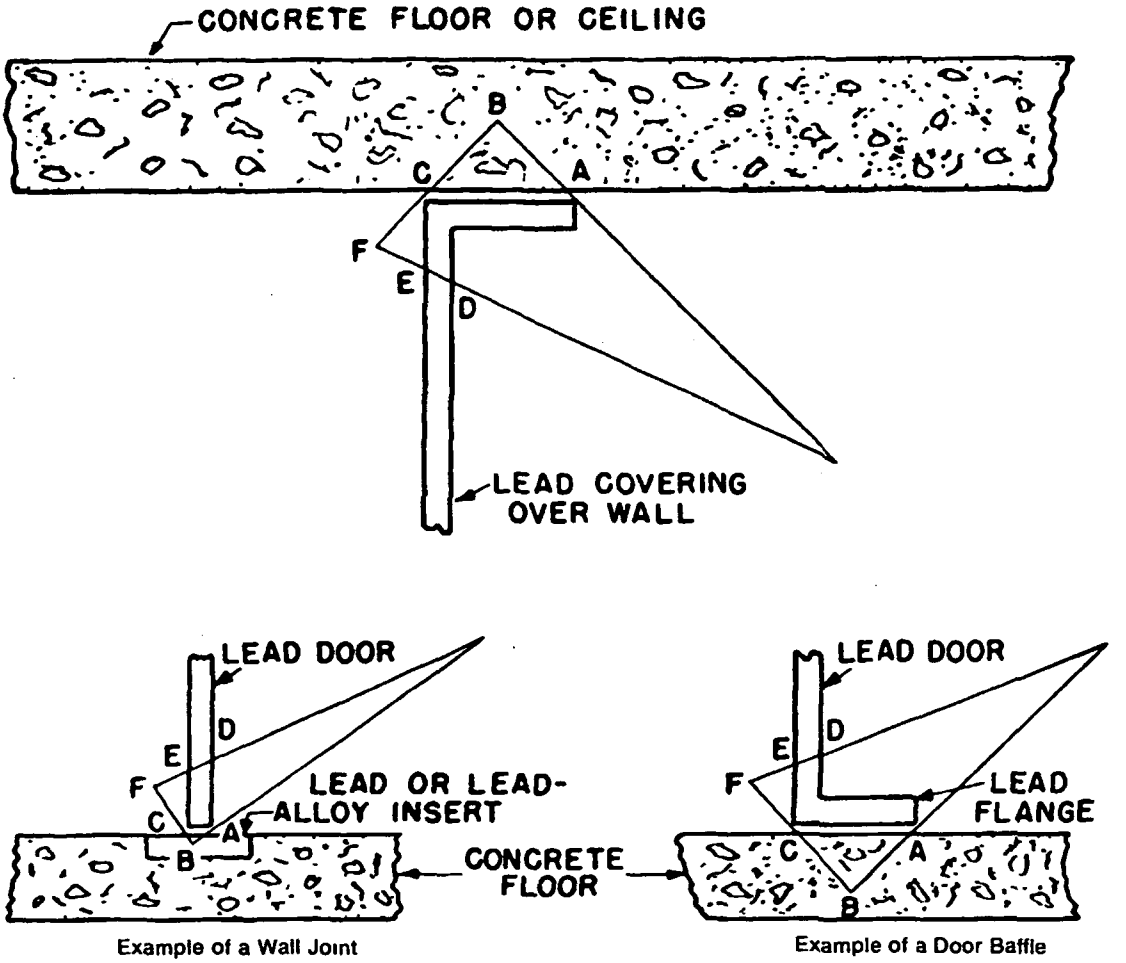


FIG 44-11 —Design details of joints between different protective materials The sum of radiations through all paths *ABCF* and *DEF* to the point *F* should not be more than the maximum permissible dose of *F* in an occupied area The supporting structure for the lead door or wall is assumed to be a frame of relatively X-ray transparent material

From N Y State Dept of Labor, Div of Industrial Hygiene, 'The Control of Radiation Hazards in Industry"

these places to the X-ray generating room is required, a labyrinth or maze, such as indicated in Fig 44-12, may be incorporated in the layout Since the outer wall and the door can be reached only by multiple scattered radiation and the primary beam is dissipated by having to travel a greater distance, the shielding thickness requirement for this wall and the door may be so reduced as to be an overall economy

PLAN SUPPLEMENTARY ELECTRICAL DEVICES, a necessary adjunct to the other methods of control Such recommended devices include

- Interlock switches for doors All doors or panels opening into the X-ray room should