1 General
1.1 Duct systems shall be insulated in accordance with the Indiana Energy Conservation Code.

2 External Insulation Locations
2.1 All duct insulation shall be external unless otherwise allowed by this guideline.
2.2 All VAV reheat coils and duct-mounted coils will have external duct wrap that overlaps the adjacent duct or equipment by 2”.

3 External Insulation Surface Finish
3.1 External insulation in locations where not seen by the public should be a fiberglass wrap with foil facing surface. These areas include mechanical rooms, unfinished areas, and areas above ceilings.
3.2 External insulation in mechanical rooms up to 8’ above the floor should be rigid fiberglass board.
3.3 External insulation where it can be seen by the public should be rigid fiberglass with a paintable exterior surface that is painted to match the room.
3.4 External insulation exposed to the weather should be cloth-wrapped and have an external aluminum covering.

4 Internal Insulation Locations
4.1 Insulate transfer ducts to reduce sound transmission and increase acoustical separation

5 Double Wall Ducts and Plenums
5.1 Round and oval ducts in exposed areas must be double wall so the outer surface can be painted.
5.2 Outdoor air, relief and exhaust plenums should be double wall panel construction with solid inner wall.