THE FIRST BRANCH TAKEOFF AFTER REHEAT COIL SHALL BE MIN. 48" DOWNSTREAM

FOUR DUCT DIAMETERS OF STRAIGHT INLET DUCT, MATCHING NECK SIZE OF TERMINAL BOX, 24" MIN, 48" MAX.

DDC & ELECTRIC CONTROLS
• MIN 36" WORKING CLEARANCE PER NEC
• PNEUMATIC CONTROLS
• MIN 24" MAINTENANCE CLEARANCE

REHEAT COIL

TERMINAL BOX (I.E. VAV/CAV)

PLAN VIEW

TRANSITION TO SIZE NOTED ON PLANS

12" MIN.

SHEET METAL EXTENSION BETWEEN TERMINAL BOX DISCHARGE AND REHEAT COIL, MIN 12" LONG. EXTENSION SHALL BE FULL SIZE OF TERMINAL BOX DISCHARGE & SHALL MATCH DOWNSTREAM DUCTWORK CONSTRUCTION. SEE NOTE #2.

TERMINAL EQUIPMENT CONTROLLER

PROVIDE INSULATED, DOUBLE WALL ACCESS DOOR TO ACCESS FACE OF REHEAT COIL. ACCESS DOOR SHALL BE AS LARGE AS POSSIBLE, MIN. 10"x10", AND SHALL MATCH DUCTWORK CONSTRUCTION. SEE NOTE #2.

WHERE CONNECTION TO MAIN IS GREATER THAN 48" LONG, TRANSITION TO BRANCH DUCT, SIZE PER PLANS. IF SIZE IS NOT NOTED ON PLANS, BRANCH DUCT SHALL BE 2" LARGER THAN BOX INLET NECK.

SIDE VIEW

NOTES:
1. FLEX DUCT IS NOT ALLOWED UPSTREAM OR DOWNSTREAM OF TERMINAL BOXES, EXCEPT IN THE BRANCH CONNECTION DIRECTLY TO DIFFUSER/GRILLES.
2. TERMINAL BOX CONSTRUCTION THAT INCORPORATES A FACTORY PROVIDED ACCESS DOOR IN THE SIDE OF THE BOX CASING ARE ALLOWED TO MOUNT THE REHEAT COIL DIRECTLY TO THE TERMINAL BOX DISCHARGE OPENING AND FORGO THE SHEET METAL EXTENSION BETWEEN BOX & COIL.
3. TERMINAL BOXES SHALL BE MOUNTED NO HIGHER THAN 2' ABOVE THE CEILING GRID & SHALL BE LOCATED SO AS TO ALLOW CLEAR VERTICAL LADDER ACCESS FOR MAINTENANCE.

TYPICAL TERMINAL BOX INSTALLATION DETAIL

SCALE: NONE