Bypass Air Damper

Air

Inlet

Node

Air

Outlet

Node

Bypass

Duct Splitter

Node

Bypass Duct Mixer

Node

Mixed Air

Node

OA

Node

Relief

Node

Outside Air MIxer

Cooling

Coil

Heating

Coil

C

C

H

C

Bypass Air Damper

Air

Inlet

Node

Air

Outlet

Node

Bypass

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Node

Cooling

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C

C

H

C

Bypass Duct Mixer

Node

Mixed Air

Node

OA

Node

Relief

Node

Outside Air MIxer

AirloopHVAC:ZoneMixer or

AirLoopHVAC**:**ReturnPlenum

Mixed Air

Node

Bypass Duct Mixer

Node (node name

still required)

Zone Inlet

Nodes

Zone Return Air

Nodes

Internal Outside Air Mixer (set flow=0 when using AirloopHVAC:OutdoorAirSystem)

Add bypass duct splitter

node name here

AirloopHVAC**:**

ZoneSplitter

Air

Inlet

Node

Bypass Air

Damper

AirloopHVAC**:**UnitaryHeatCool**:**VAVChangeoverBypass

Relief

Node

OA

Node

AirLoopHVAC **:**

OutdoorAirSystem

Air

Outlet

Node

Relief

Node

OA

Node

C

C

C

H

Bypass

Duct Splitter

Node