2203-2

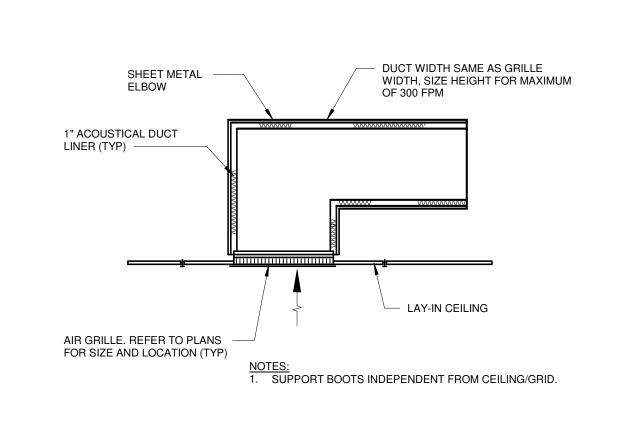
PROJECT NO 2203-2 DRAWN BY PH CHECKED BY ARB

07/12/23

HVAC DETAILS

SCALE: As indicated M-401

SECTION OF DUCT TO BE LINED AS SHOWN ON PLANS ROOF CURB BY MECH. CONTR. 1" ACCOUSTICAL FIBER GLASS SECURELY FASTENED TO DUCT WITH WATER-PROOF CEMENT & STICK-CLIPS. 10"x36" RELIEF OPENING — W/1/2" WIRE MESH BOTH SIDES.



1/2" ROUND ROD PIN - INSULATION INSULATION -STAND-OFF HANDLE WITH LOCKING QUADRANT OUTSIDE END BEARING DAMPER BLADE INSIDE END 1/8" CLEARANCE ALL INSULATION -STIFFEN BLADE AS REQUIRED - HANDLE WITH LOCKING SIDE ELEVATION

NOTES:

1. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION. DETAIL SHOWS SHOWS SINGLE BLADE DAMPER. DAMPER INSULATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS.

SHEET METAL WALL SLEEVE TURNED UP 1" ON ALL 4 SIDES. GAUGE SAME AS FOR DUCTWORK.

CAULK BETWEEN DUCT AND WALL SLEEVE WITH INTUMESCENT

FIRE STOP NOTE: DUCTS THRU

SHEET METAL WALL SLEEVE TURNED UP 1" ON ALL 4 SIDES. GAUGE SAME AS FOR DUCTWORK.

CAULK BETWEEN DUCT AND

WALL SLEEVE WITH INTUMESCENT

THERMAL INSULATION SEE SPECIFICATIONS —

- CONICAL OUTLET

SADDLE

DIFFUSER CONNECTION DETAIL
NOT TO SCALE

DIFFUSER BACKPAN INSULATION

BRANCH DUCT -

LOCKING QUAD

INSULATION

— WALL THICKNESS PLUS 4"

**VOLUME DAMPER** 

NOT TO SCALE

WALL OR PARTITION -

WALL OR PARTITION -

1/2" TO 3/4" BETWEEN— SLEEVE AND DUCT ON

SHEET METAL JACKET OVER // INSULATION. GAUGE SAME AS FOR DUCTWORK.

ALL 4 SIDES

1/2" TO 3/4" BETWEEN— SLEEVE AND DUCT ON ALL 4 SIDES

DETAIL OF ACOUSTICAL DUCT LINER

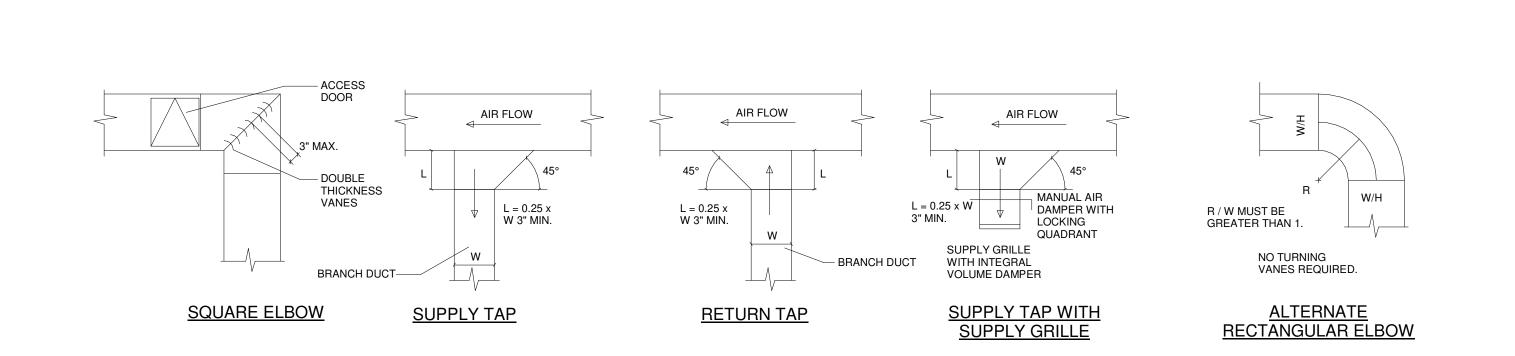
**GRAVITY ROOF VENT (GRV) DETAIL** 

- GRAVITY ROOF VENT

36"x36" MOTORIZED DAMPER BY TEMP. CONTROL CONTR.

10"x36" ALUMINUM BACK-PRESSURE DAMPER, TYP.

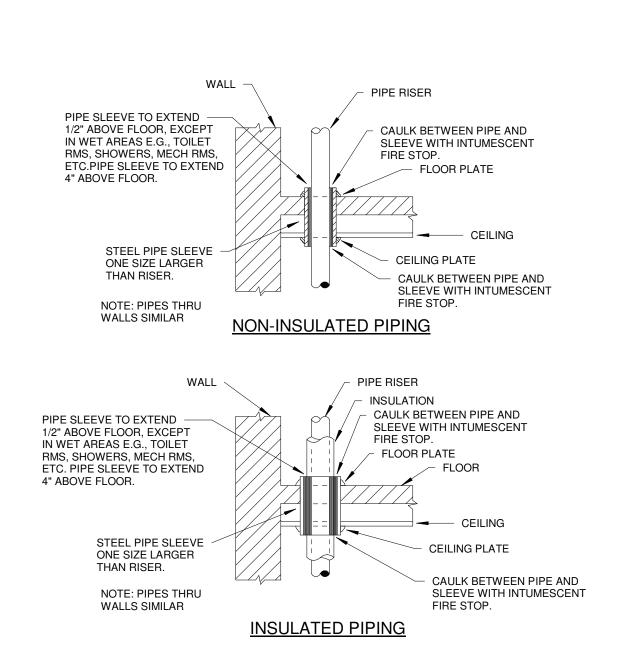
**RETURN AIR BOOT** 



DUCTWORK DETAIL

NOT TO SCALE

THERMOMETERS IN WELLS AS SHOWN.



DETAILS OF DUCTS PASSING THUR WALLS OR PARTITIONS
NOT TO SCALE

SUPPORT SADDLE

USE RIGID —— ELBOWS FOR

IN LAY-IN CLG.

CHANGE OF

DIRECTION GREATER THAN

SEE SPECIFICATIONS FOR CLAMPS AND SEALANT (TYP.)

DO NOT CHANGE DIRECTION

CLAMPS AND SEALANT (TYP.)

SEE SPECIFICATIONS FOR

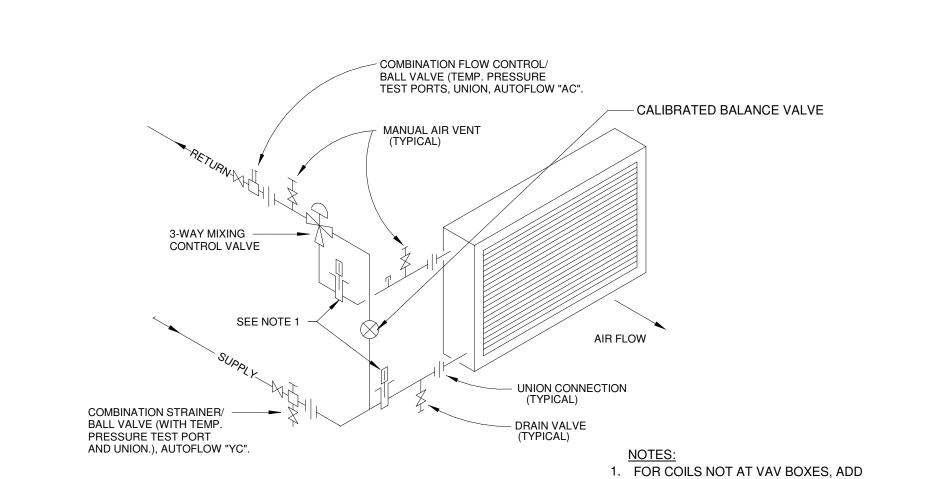
FLEXIBLE DUCT, SIZE SAME AS DIFFUSER INLET: 5'-0" MAX LENGTH,

W/FLEX DUCT. —

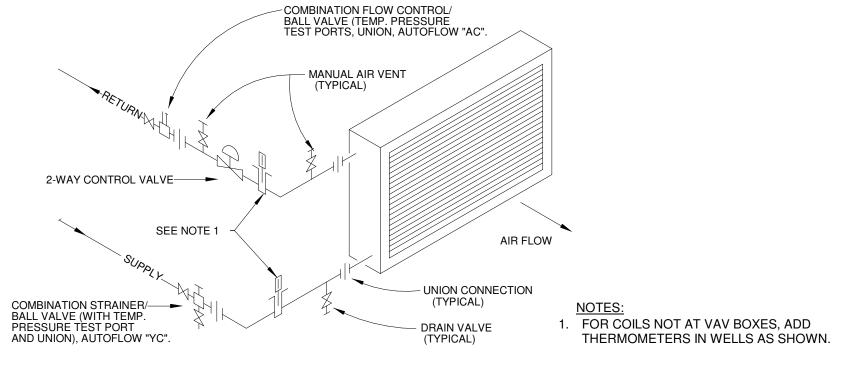
FROM STRUCTURE -

INSULATED DUCTWORK NOTE: DUCTS THRU FLOORS SIMILAR.

LINED OR NON-INSULATED DUCTWORK FLOORS SIMILAR.



- UNION CONNECTION (TYPICAL) . FOR COILS NOT AT VAV BOXES, ADD THERMOMETERS IN WELLS AS SHOWN.



DETAIL OF PIPING PASSING THRU FLOORS
NOT TO SCALE

## PIPING OF HEATING AND COOLING COIL WITH 2-WAY VALVE

## PIPING OF COIL WITH 3-WAY VALVE NOT TO SCALE