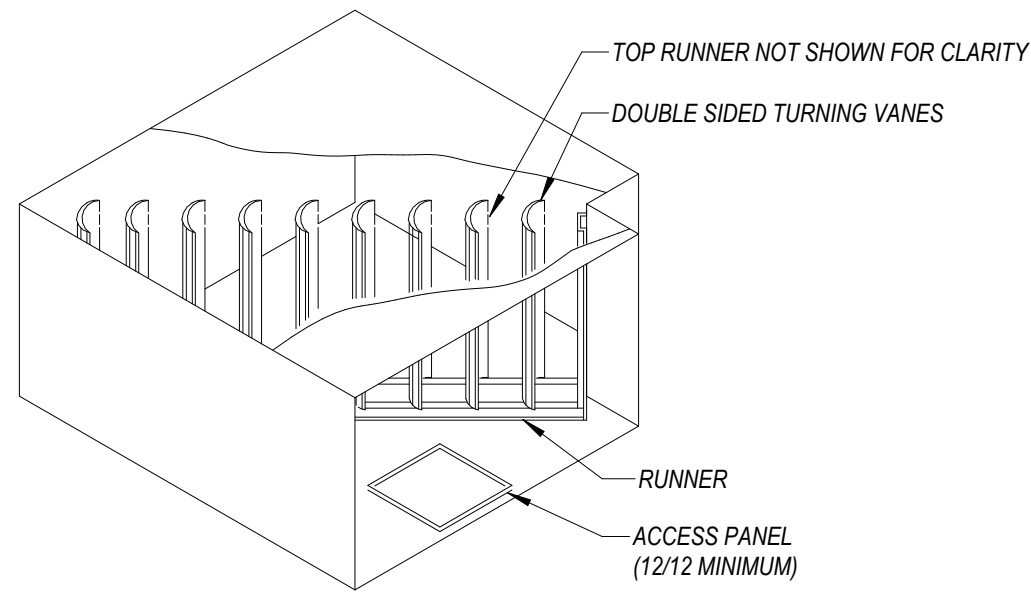
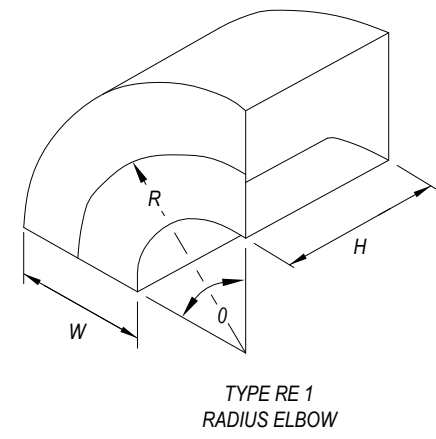




- NOTES:
1. TURNING VANES, TYPICAL WHERE SHORT RADIUS ELLS ARE NOT INDICATED.
 2. NUMBER AND CONFIGURATION OF VANES PER SMACNA STANDARDS

11 TURNING VANE DETAIL

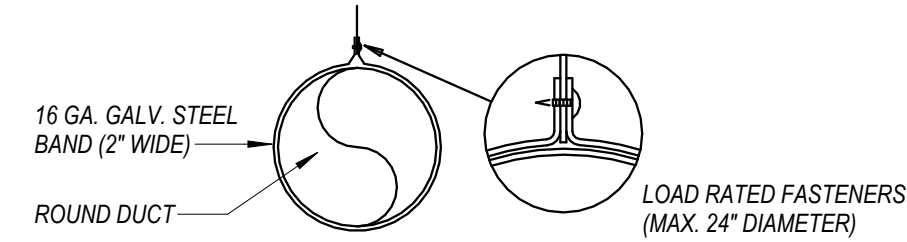
SCALE: NTS



CENTERLINE $R = 3W/2$ UNLESS OTHERWISE SPECIFIED - NOT RESTRICTED TO 90° ELBOWS.
WHERE AIR VELOCITY IS BELOW 1,000 FPM, $R = W/2$ MAY BE USED.
SQUARE THROAT ELBOWS MAY NOT BE USED.

10 SMACNA RADIUS ELBOW TYPE RE1 DETAIL

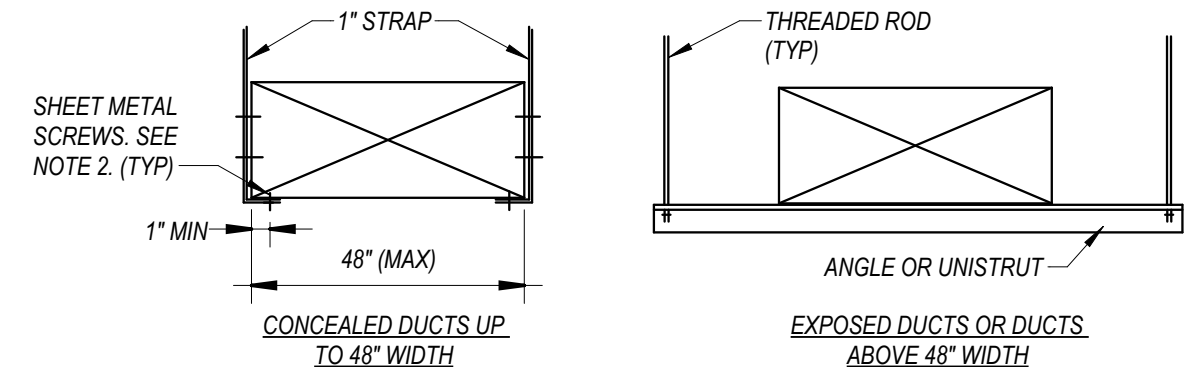
SCALE: NTS



- NOTE:
1. FOR DUCTS LARGER THAN 36" DIAMETER, USE TWO HANGER RODS, WIRES OR STRAPS TO SUPPORT DUCT FROM EACH SIDE.

9 ROUND DUCT SUPPORT

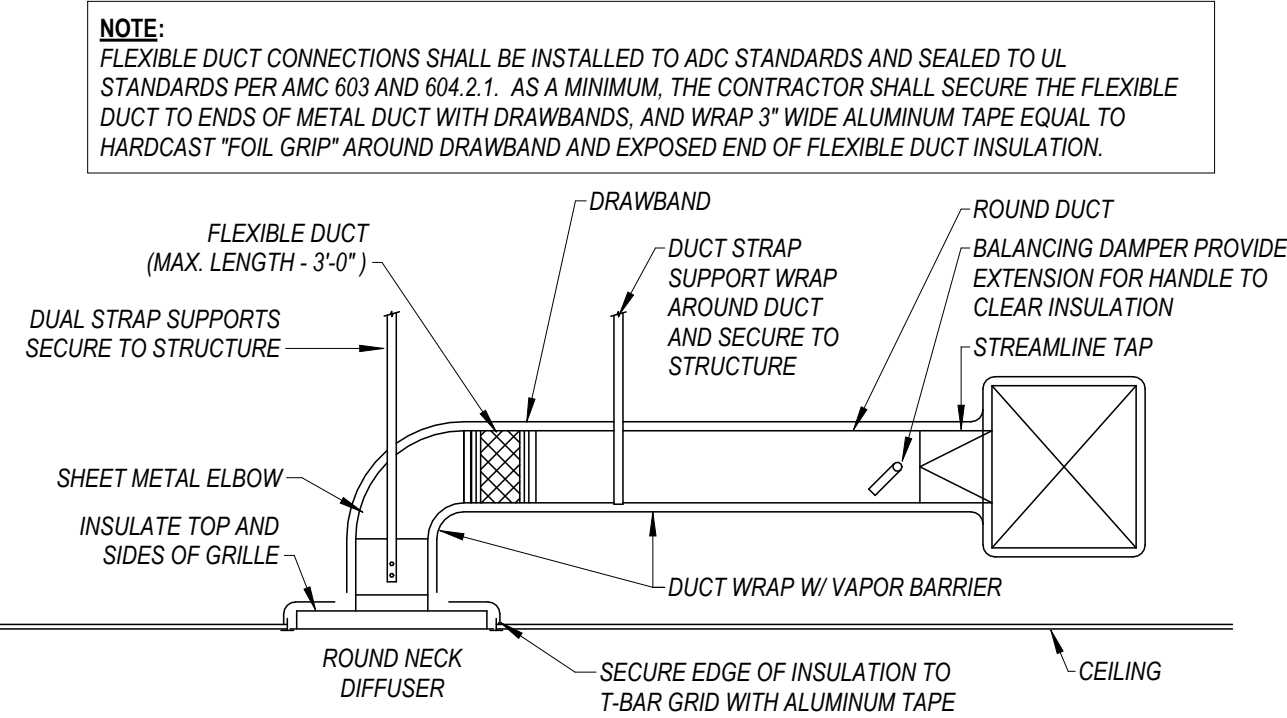
SCALE: NTS



- NOTES:
1. USE THREADED ROD FOR ALL DUCTS LARGER THAN 48" DIAMETER WIDE.
 2. SHEET METAL SCREWS MAY BE OMITTED IF HANGER STRAP IS CONTINUOUS AND LOOPS UNDER ENTIRE DUCT.

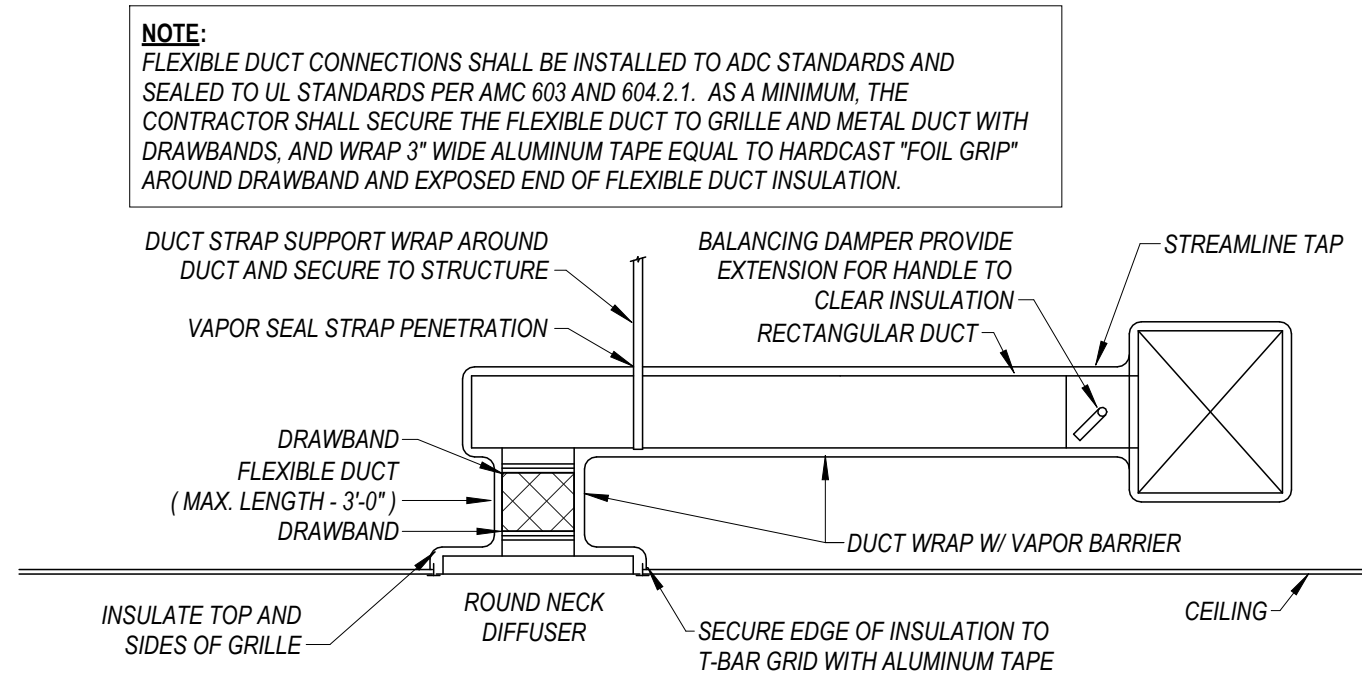
8 RECTANGULAR DUCT SUPPORT

SCALE: NTS



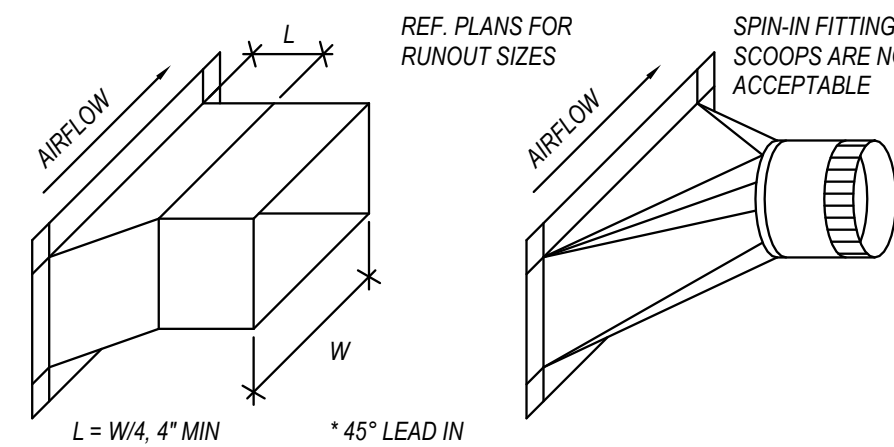
7 ROUND DUCT DIFFUSER CONNECTION

SCALE: NTS



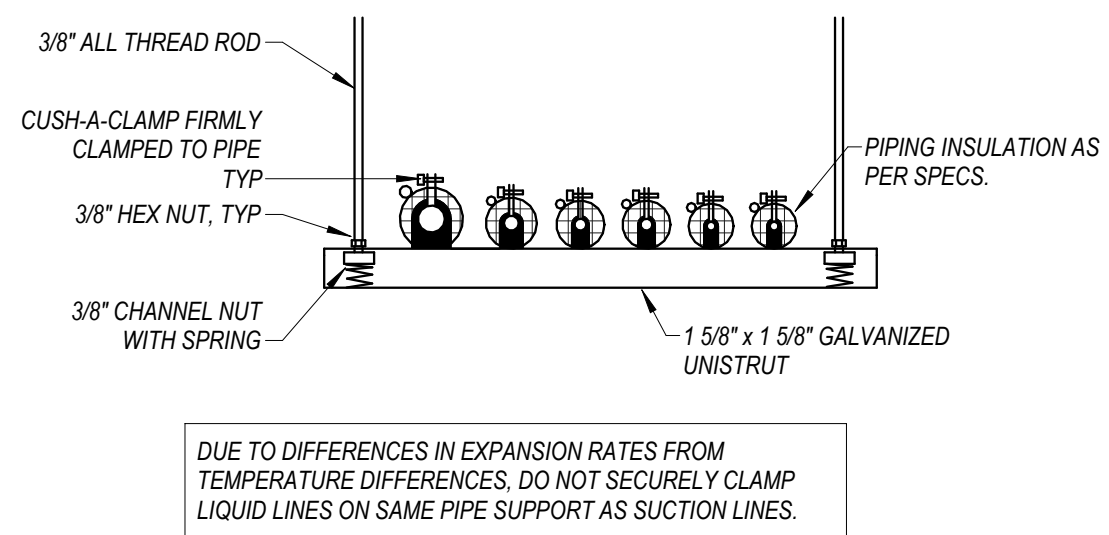
6 RECTANGULAR DUCT GRILLE CONNECTION

SCALE: NTS



5 BRANCH DUCT FITTING

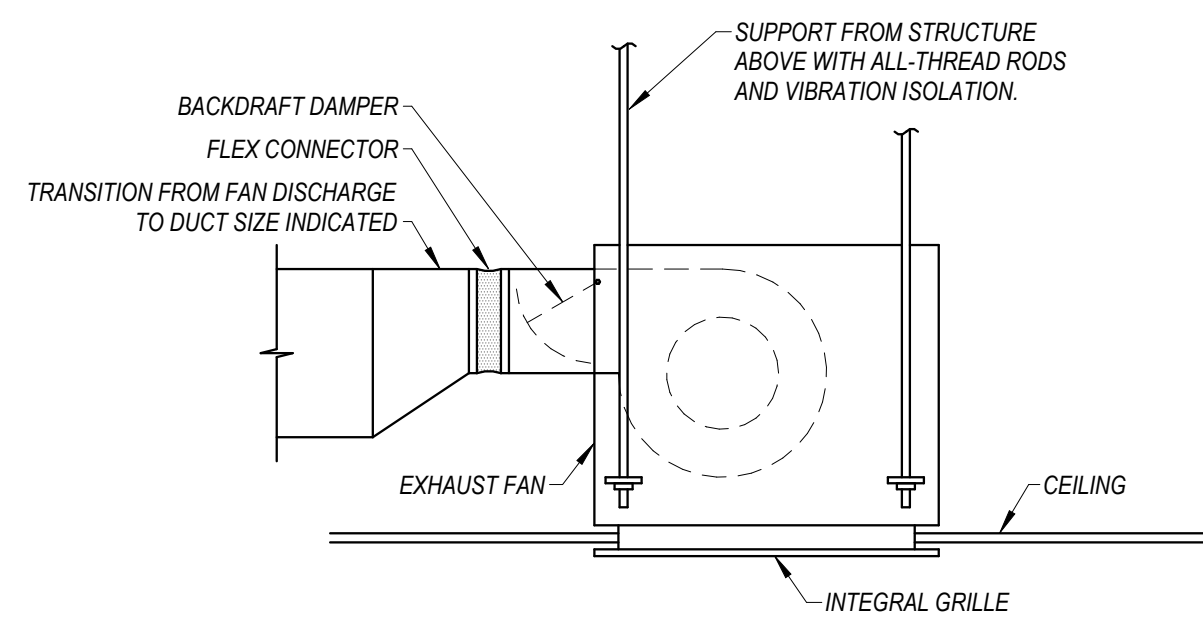
SCALE: NTS



DUE TO DIFFERENCES IN EXPANSION RATES FROM TEMPERATURE DIFFERENCES, DO NOT SECURELY CLAMP LIQUID LINES ON SAME PIPE SUPPORT AS SUCTION LINES.

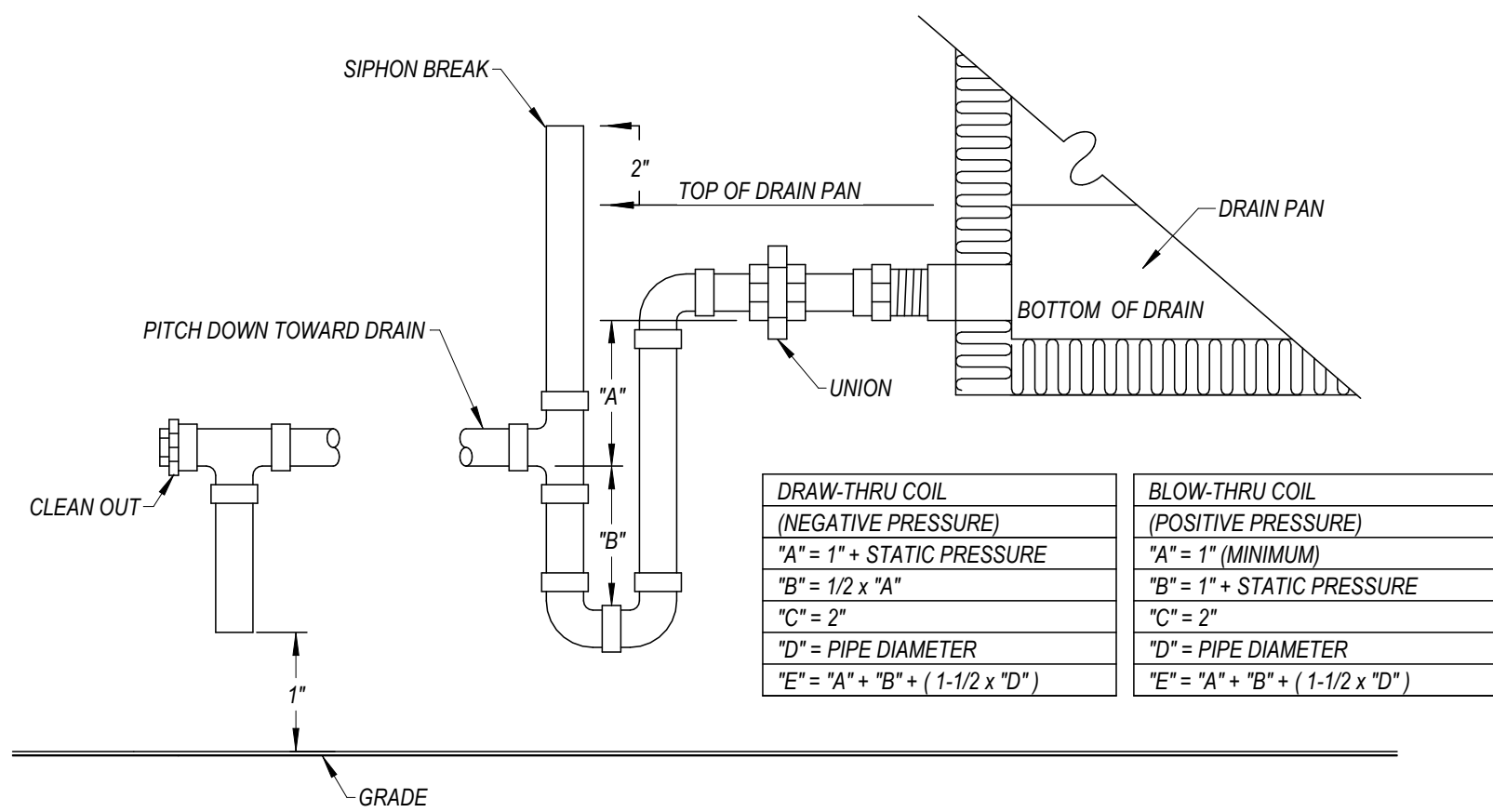
4 REFRIGERANT LINE SUPPORT

SCALE: NTS



3 CEILING MOUNTED CABINET EXHAUST FAN

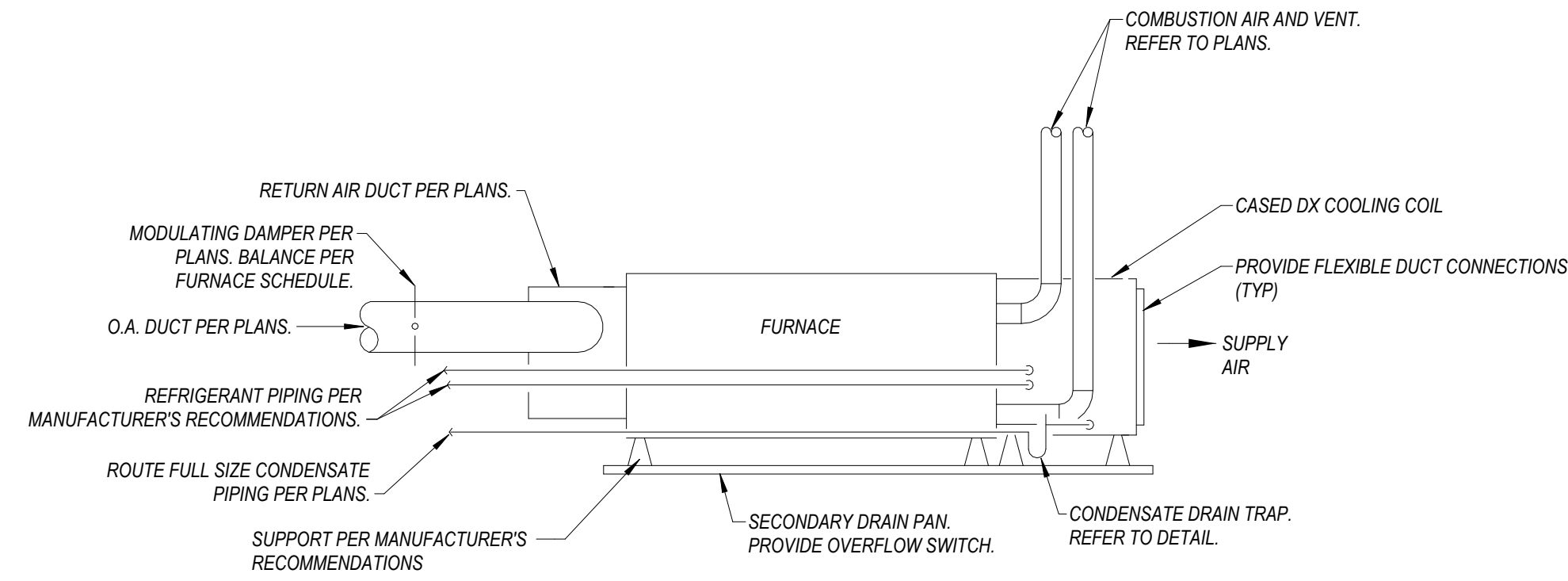
SCALE: NTS



DRAW-THRU COIL (NEGATIVE PRESSURE)	BLOW-THRU COIL (POSITIVE PRESSURE)
"A" = 1" + STATIC PRESSURE	"A" = 1" (MINIMUM)
"B" = 1/2 x "A"	"B" = 1" + STATIC PRESSURE
"C" = 2"	"C" = 2"
"D" = PIPE DIAMETER	"D" = PIPE DIAMETER
"E" = "A" + "B" + (1-1/2 x "D")	"E" = "A" + "B" + (1-1/2 x "D")

2 CONDENSATE TRAP DETAIL

SCALE: NTS



1 HORIZONTAL FURNACE DETAIL

SCALE: NTS