SUPPLY OR RETURN AIR DUCT CONNECTION DETAIL

SCALE: NONE

DIM.	'W' 20"& OVER	'W' 19"& UNDER
A	2-1/4" R	1" R
B	4-1/4" R	2" R
C	6-3/8"	2-7/8"
D	2-1/4"	1-1/8"
E	3-1/4"	2-1/8"

ROUND VOLUME DAMPER DETAIL

SCALE: NONE

SUPPLY AIR REGISTER DETAIL

SCALE: NONE

VANED ELBOW DETAIL

SCALE: NONE

WHEN HEIGHT DOES NOT ALLOW FLEX CONN, HARD-DUCT BUT BE SURE BRANCH IS 4" WIDER THAN COLLAR TO ALLOW ALIGNMENT OF TERMINAL WITHIN GRID WITHOUT FISHMOUTHING.

NOTES:
1. THESE DETAILS ALLOW DUCTWORK TO BE PROVIDED BEFORE CEILING GRID IS INSTALLED THEN DIFFUSER/REGISTER CAN BE POSITIONED INTO GRID.
2. PROVIDE INSULATED TRANSITION ROUND TO SQUARE IF REQUIRED AT DIFFUSER.
3. PROVIDE NYLON TY-WRAP TOOL OR REUSABLE SS DRAW BAND PER SPECS.
4. FLEX DUCT SHALL NOT HAVE MORE THAN 1/2" SAG PER FOOT.
5. LENGTH OF FLEX DUCT SHALL NOT EXCEED 6'-0".
6. PROVIDE DUCT MOUNTED VOLUME DAMPER WHENEVER POSSIBLE. TRY TO AVOID NECK DAMPERS.

TYPICAL DIFFUSER/REGISTER CONNECTION

SCALE: NONE

NOTES:
1. CUTTING AND PATCHING SHALL BE LIMITED TO A MINIMUM AS REQUIRED FOR PROPER INSTALLATION.
2. SUPPORTS SHALL BE SPACED AND SIZED AS PER SMACNA.

DUCT HANGER DETAIL

SCALE: NONE

DUCT TAKE-OFF

BRANCH TAKE-OFFS

SCALE: NONE

01	ISSUED FOR REVIEW 07-07-17

AirTemp Inc.
20 Thomas Drive
Westbrook, Maine

STATE OF MAINE
PAUL C. CLEAVES
No. 11048
PROFESSIONAL ENGINEER

DATE ISSUED: 07-07-17

COMFORT SYSTEMS USA
AirTemp, Inc.

ELKS LODGE
PORTLAND, MAINE

CLIENT
DATE
DRWN BY BRL
CHK'D BY
DATE JULY 07, 2017
SHEET TITLE
HVAC DETAILS
SCALE
N.T.S
DRAWING
M-2