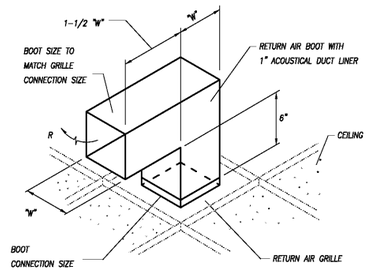
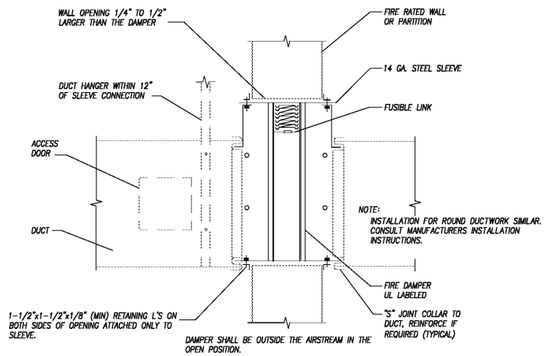


NOTES:

1. REFER TO FLOOR PLANS FOR RETURN AIR GRILLE SIZES.

1 M301 RETURN AIR BOOT DETAIL

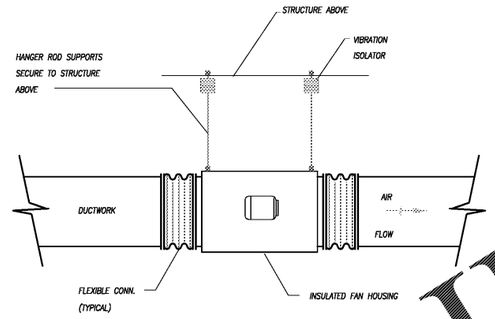
SCALE: NOT TO SCALE



2 M301 FIRE DAMPER IN DUCT DETAIL

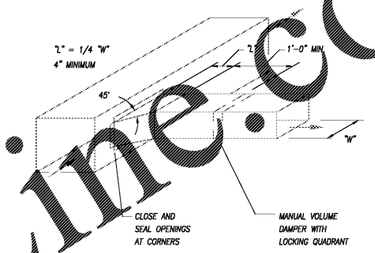
SCALE: NOT TO SCALE

NOTE 1: VERTICAL COMBINATION FIRE/SMOKE DAMPER SIMILAR



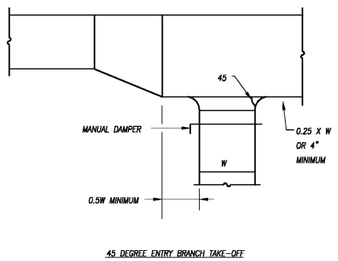
3 M301 FAN POWERED BOX DETAIL

SCALE: NOT TO SCALE

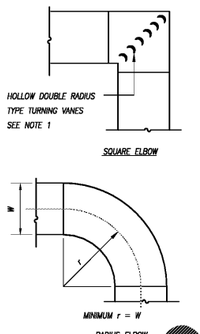


4 M301 LOW PRESSURE BRANCH CONNECTION

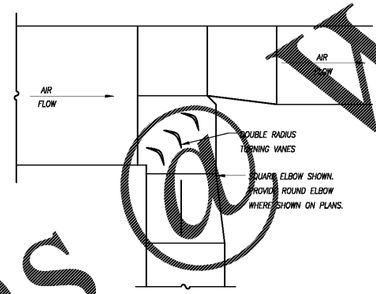
SCALE: NOT TO SCALE



45 DEGREE ENTRY BRANCH TAKE-OFF



RADIUS ELBOW

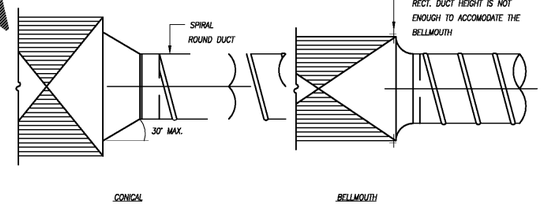


NOTES:

1. FOR DUCT WIDTH LESS THAN 18", USE MIN. 26 GA VANES AT 2-1/8" O.C.
   FOR DUCT 18" AND WIDER, USE MINIMUM 24 GA VANES AT 3-1/4" O.C.
2. FITTINGS TO BE 2 GAUGE HEAVIER THAN CONNECTED DUCT.

5 M301 RECTANGULAR DUCT FITTINGS AND TAKE-OFF

SCALE: NOT TO SCALE



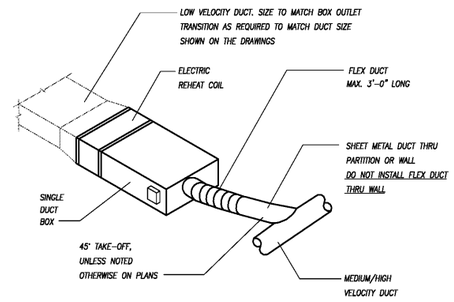
CONICAL BELLMOUTH

NOTES:

1. SECURE ALL CONNECTIONS TO COMPLY WITH THE REQUIREMENTS OF THE PRESSURE CLASS SPECIFIED.
2. SUPPLY ROUND DUCT TAKE-OFF IS SHOWN. RETURN/EXHAUST SIMILAR.
3. "SPIN-INS" PERMITTED ONLY W/DUCT CONSTRUCTION OF 2" W.C. OR LESS.

6 M301 ROUND TAKE-OFF CONNECTIONS TO RECTANGULAR

SCALE: NOT TO SCALE



NOTE: PROVIDE MINIMUM OF 3 DIAMETERS OF STRAIGHT DUCT ON THE INLET SIDE

7 M301 SINGLE DUCT BOX WITH REHEAT

SCALE: NOT TO SCALE

Owner Plans @ WWW.LDILine.com

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PROJECT NUMBER: A1718

SEAL

ISSUED FOR:	DATE:
95% CDS	12.22.2017
Permit Set	01.12.2018

MECHANICAL DETAILS

M301