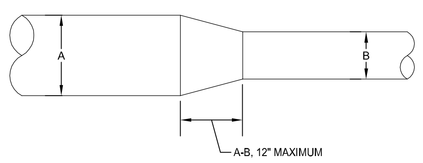
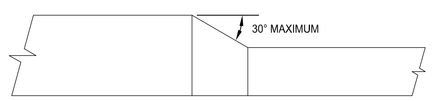
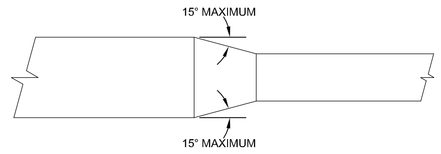
A1 ROUND DUCT TRANSITION



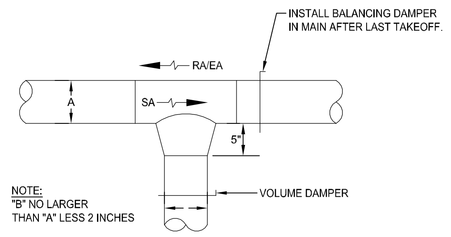
A3 ECCENTRIC RECTANGULAR DUCT TRANSITION



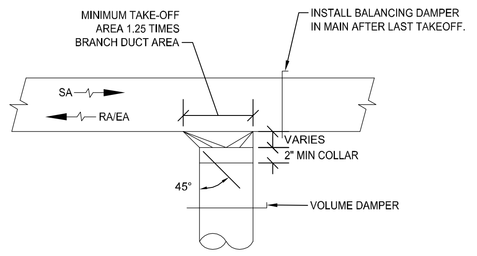
A5 CONCENTRIC RECTANGULAR DUCT TRANSITION



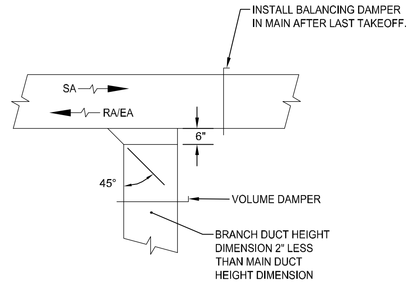
A7 ROUND TO ROUND DUCT TAKE-OFF CONICAL TEE



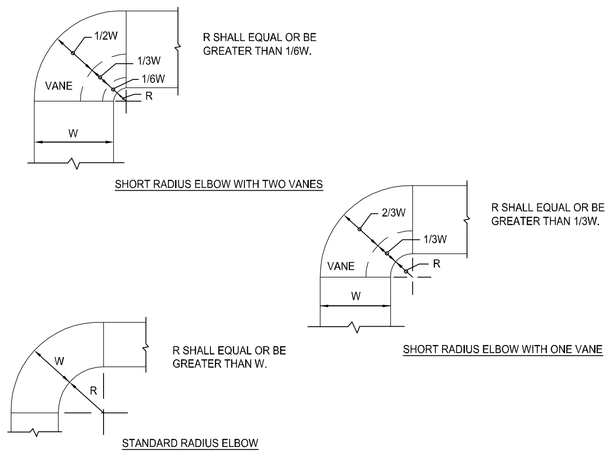
B1 RECTANGULAR TO ROUND DUCT TAKE-OFF (SQUARE TO ROUND TAP)



B3 RECTANGULAR DUCT TAKE-OFF (45° CLINCH COLLAR TAP)

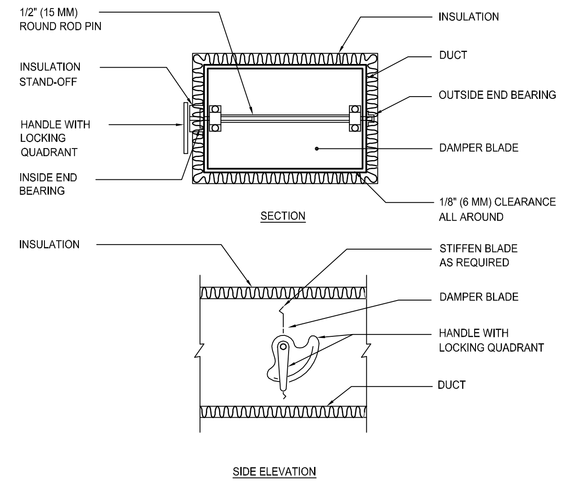


B5 DUCTWORK RADIUS ELBOWS



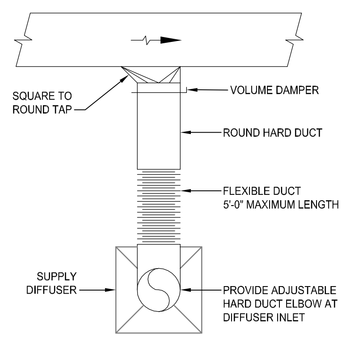
NOTES:
1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
2. ALL STANDARD RADIUS ELBOWS SHOWN ON FLOOR PLANS MAY BE MADE SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES WITH ACCESS DOOR UPSTREAM OF VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND AND FASTENED AS RECOMMENDED BY SMACNA.

B7 VOLUME DAMPER DETAIL

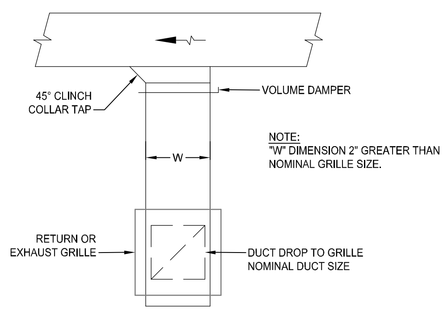


NOTES:
1. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
2. DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS.

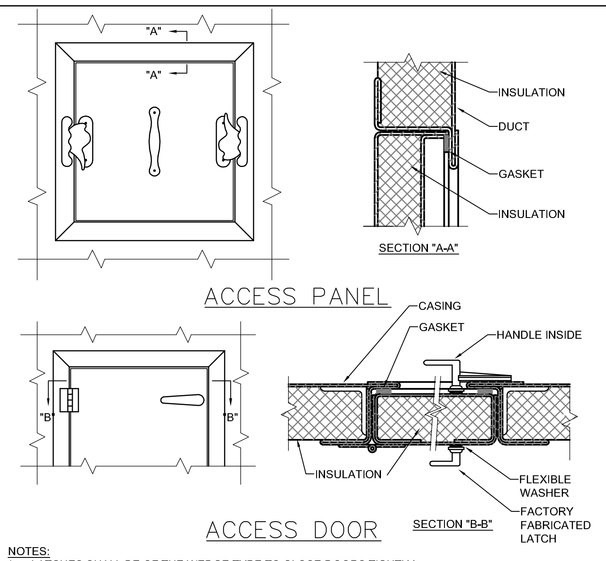
D1 SUPPLY DIFFUSER WITH FLEXIBLE DUCT CONNECTION



D3 RETURN OR EXHAUST GRILLE

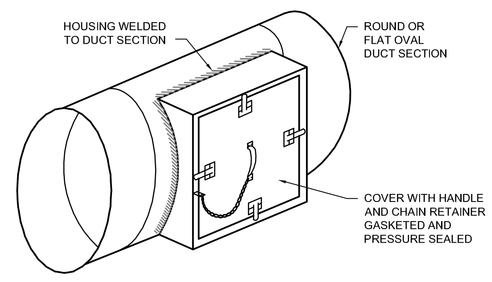


D5 ACCESS PANEL AND DOOR DETAIL



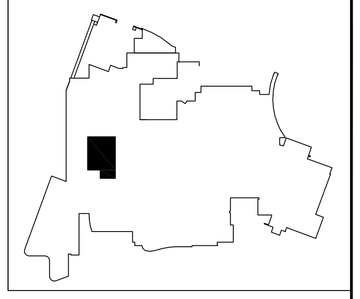
NOTES:
1. LATCHES SHALL BE OF THE WEDGE TYPE TO CLOSE DOORS TIGHTLY.
2. HINGES ON THE ACCESS DOORS SHALL HAVE NON-CORROSIVE PINS.
3. SEE SMACNA 2005, FIGURE 9-15

D7 ACCESS SECTION FOR ROUND DUCT



NOTES:

KEY PLAN NTS NORTH



100% CD

FULLY SPRINKLERED

Revisions:	Date

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Approved: Project Director

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Renovate Medical Library - CARES

Location: Cleveland, Ohio

Date: April 25, 2012 | Checked | Drawn

Project Number: 541-12-103

Building Number: 1

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