

MECHANICAL SPECIFICATIONS (CONT)

DUCT HANGERS AND SUPPORTS:

- A. DUCT HANGERS AND SUPPORTS SHALL BE IN ACCORDANCE WITH THE HANGERS AND SUPPORTS SECTION OF THE REFERENCED SMACNA STANDARDS, EXCEPT:
- DO NOT SPACE HANGERS OVER 8'-0" ON CENTERS.
 - HANGERS SHALL BE THE GALVANIZED STEEL STRAP TYPE. SIZES AND NUMBER OF STRAP HANGERS SHALL BE BASED ON THE DUCT SIZE AS SCHEDULED IN THE SMACNA STANDARD.

FLEXIBLE ROUND DUCTWORK:

- A. FLEXIBLE ROUND DUCTWORK SHALL BE CLASS 1, UL 181 AIR DUCT WITH AN ALUMINIZED MYLAR OR POLYESTER INNER LINER LAMINATED TO A CORROSION RESISTANT STEEL WIRE HELIX. ALUMINUM HELIX IS NOT ACCEPTABLE.
- B. A 1" THICK, ONE POUND DENSITY FIBERGLASS INSULATION AND VINYL OUTER JACKET SHALL COVER THE WIRE HELIX.
- C. FLEXIBLE DUCTWORK SHALL BE DESIGNED FOR PRESSURES UP TO 4" WG. THE MAXIMUM ALLOWABLE LENGTH SHALL BE 5'-0" AND SHALL BE LIMITED TO RUN-OUTS CONNECTED TO ROUND NECK CEILING SUPPLY DIFFUSERS. PROVIDE A SPIN-IN FITTING WITH INTEGRAL VOLUME DAMPER AT ALL FLEXIBLE RUN-OUT CONNECTIONS.
- D. FLEXIBLE DUCTWORK MANUFACTURED BY GENFLEX, FLEXMASTER, ATCO OR ROYAL WILL BE ACCEPTABLE.

DUCTWORK INSTALLATION:

- A. INSTALL ALL DUCTWORK AND ACCESSORIES AS SHOWN AND IN ACCORDANCE WITH APPLICABLE SMACNA STANDARDS.
- B. SEAL ALL JOINTS IN DUCTWORK WITH A FIRE RETARDANT SEALANT. TAPE IS NOT ACCEPTABLE.

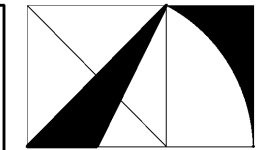
EXHAUST FANS

INLINE CENTRIFUGAL FANS

- A. HOUSING: SPLIT, SPUN ALUMINUM WITH ALUMINUM STRAIGHTENING VANES, INLET AND OUTLET FLANGES, AND SUPPORT BRACKET ADAPTABLE TO FLOOR, SIDE WALL, OR CEILING MOUNTING.
- B. DIRECT-DRIVE UNITS: MOTOR MOUNTED IN AIRSTREAM, FACTORY WIRED TO DISCONNECT SWITCH LOCATED ON OUTSIDE OF FAN HOUSING; [WITH WHEEL, INLET CONE, AND MOTOR ON SWING-OUT SERVICE DOOR].
- C. FAN WHEELS: ALUMINUM, AIRFOIL BLADES WELDED TO ALUMINUM HUB.

ACCESSORIES:

- A. VARIABLE-SPEED CONTROLLER: SOLID-STATE CONTROL TO REDUCE SPEED FROM 100 TO LESS THAN 50 PERCENT.
- B. VOLUME-CONTROL DAMPER: MANUALLY OPERATED WITH QUADRANT LOCK, LOCATED IN FAN OUTLET.
- C. COMPANION FLANGES: FOR INLET AND OUTLET DUCT CONNECTIONS.
- D. VIBRATION ISOLATORS:
- TYPE: ELASTOMERIC HANGERS.

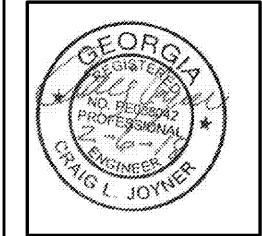


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2018 MRRF CAMPUS-WIDE
ADA IMPROVEMENTS
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TAG PROJECT No. 1706
GEORGIA STATE UNIVERSITY
ATLANTA, GEORGIA

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MECHANICAL SPECIFICATIONS

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