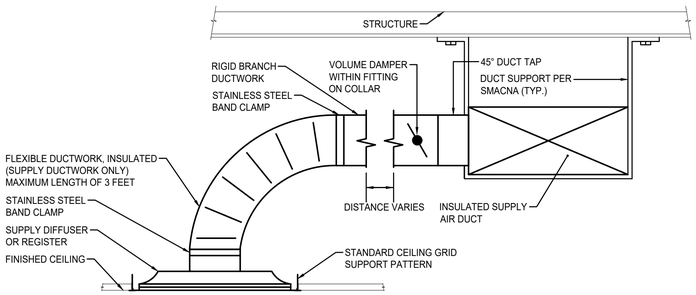
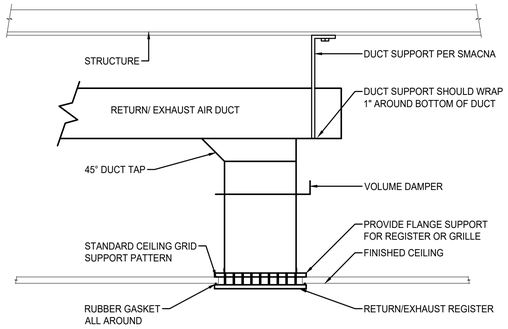


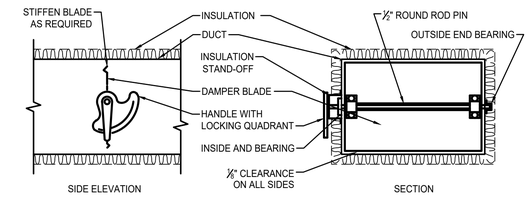
NOTE:
1. CONTRACTOR TO VERIFY TYPE OF DIFFUSER PRIOR TO PURCHASING TO DETERMINE IF SURFACE MOUNTED OR LAY-IN STYLE IS REQUIRED IN EACH LOCATION.
2. OFFSETS WITH FLEX DUCT SHALL NOT EXCEED 30 DEGREES AND SHALL BE GRADUAL. OFFSETS IN EXCESS OF 30 DEGREES SHALL BE HARD-DUCTED. GRADUAL 90 DEGREE OFFSET IS PERMITTED WHERE SPACE IS AVAILABLE.
3. FLEX DUCT SHALL NOT HAVE MORE THAN ½" SAG PER FOOT.
4. LENGTH OF FLEX DUCT SHALL NOT EXCEED 3'-0".
5. PROVIDE DUCT MOUNTED VOLUME DAMPER AS CLOSE TO MAIN DUCT AS POSSIBLE.
6. PROVIDE SINGLE BLADE DAMPERS UP TO 12" HIGH AND ON ROUND DUCT. PROVIDE MULTI BLADE DAMPERS ON ALL DUCTS OVER 12" HIGH PER SMACNA REQUIREMENTS.
7. PROVIDE LOCKING STYLE DAMPER HANDLE REGULATORS WITH HEXAGON NOT, DURO DYNE OR APPROVED EQUAL.

TYPICAL CEILING SUPPLY DIFFUSER DETAIL
SCALE: NOT TO SCALE



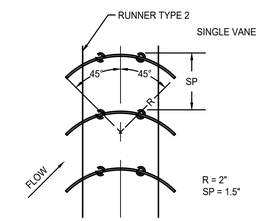
NOTE:
1. ALL BRANCH DUCT CONNECTIONS SHALL BE HARD DUCTED TO SQUARE NECKED GRILLS. NO SPIN ON COLLARS OR ROUND FLEXIBLE DUCTWORK SHALL BE ALLOWED.
2. CONTRACTOR TO VERIFY TYPE OF DIFFUSER PRIOR TO PURCHASING TO DETERMINE IF SURFACE MOUNTED OR LAY-IN STYLE IS REQUIRED IN EACH LOCATION.
3. PROVIDE DUCT MOUNTED VOLUME DAMPER AS CLOSE TO MAIN DUCT AS POSSIBLE.
4. PROVIDE SINGLE BLADE DAMPERS UP TO 12" HIGH AND ON ROUND DUCT. PROVIDE MULTI BLADE DAMPERS ON ALL DUCTS OVER 12" HIGH PER SMACNA REQUIREMENTS.
5. PROVIDE LOCKING STYLE DAMPER HANDLE REGULATORS WITH HEXAGON NOT, DURO DYNE OR APPROVED EQUAL.

TYPICAL REGISTER CONNECTION
SCALE: NOT TO SCALE



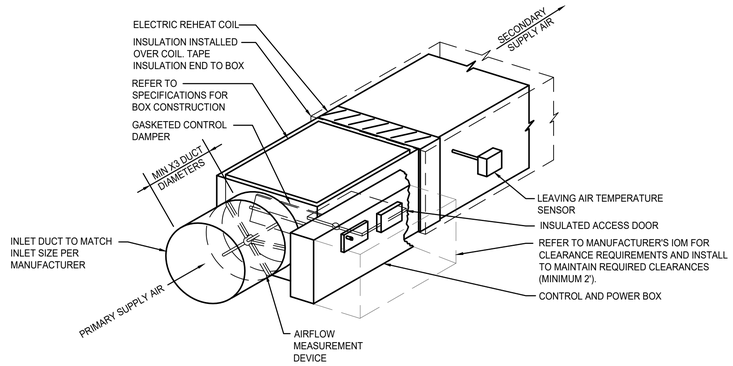
VOLUME DAMPER INSTALLATION DETAIL
SCALE: NOT TO SCALE

NOTES:
A. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
B. DETAIL SHOWS A SINGLE BLADE DAMPER. INSTALLATION SHALL BE SIMILAR FOR ROUND DAMPER AND MULTI-BLADE DAMPER



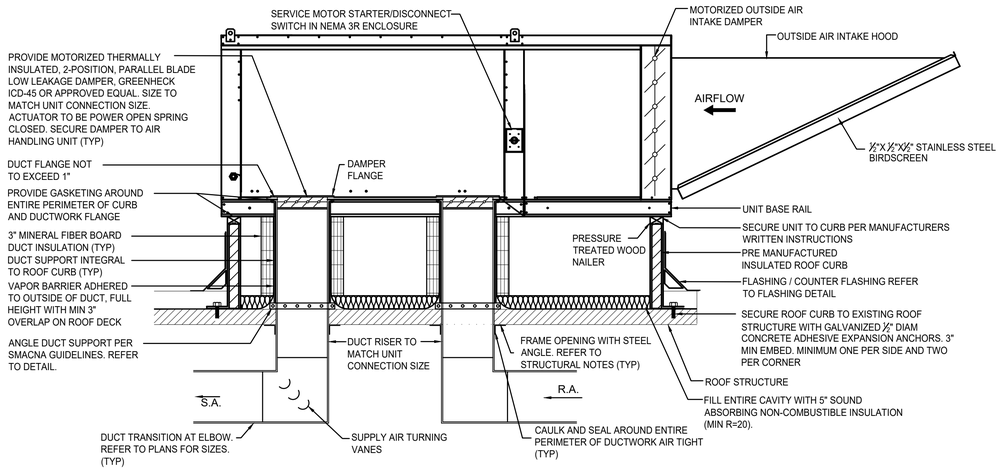
NOTE:
1. PROVIDE ON ALL RECTANGULAR SUPPLY ELBOWS

3 TURNING VANE DETAIL
SCALE: NOT TO SCALE

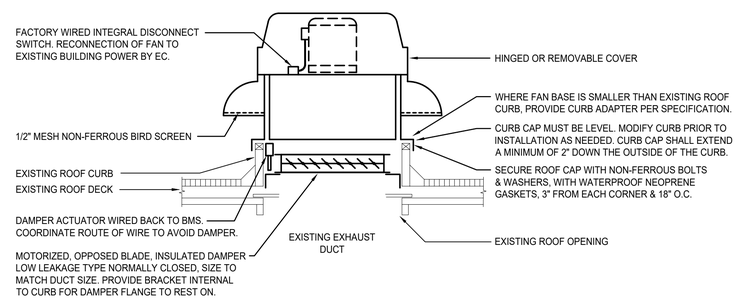


NOTE:
1. COMPLY WITH MANUFACTURER'S REQUIREMENTS FOR CLEARANCE TO CONTROL BOX.

2 TYPICAL VARIABLE AIR VOLUME TERMINAL UNIT DETAIL (VAV)
SCALE: NOT TO SCALE



ROOF MOUNTED MAKE-UP AIR UNIT
SCALE: NOT TO SCALE



ROOF MOUNTED DOWNBLAST EXHAUST FAN ON EXISTING CURB DETAIL
SCALE: NOT TO SCALE

BROWN AND CALDWELL
900 HAMMOND DRIVE, SUITE 500
ATLANTA, GA 30328

wendel

THIS DRAWING IS NOT VALID FOR CONSTRUCTION PURPOSES UNLESS IT BEARS THE SEAL AND SIGNATURE OF A DULY REGISTERED PROFESSIONAL

60% DESIGN DOCUMENTS

NCWSA OFFICE ADDITION

REVISIONS

REV	DATE	DESCRIPTION

LINE IS 2 INCHES AT FULL SIZE

DESIGNED: CJP
DRAWN: CJP
CHECKED: NBN
CHECKED:
APPROVED: RFJ

FILENAME

BC PROJECT NUMBER

CLIENT PROJECT NUMBER

MECHANICAL

DETAILS

DRAWING NUMBER
M201