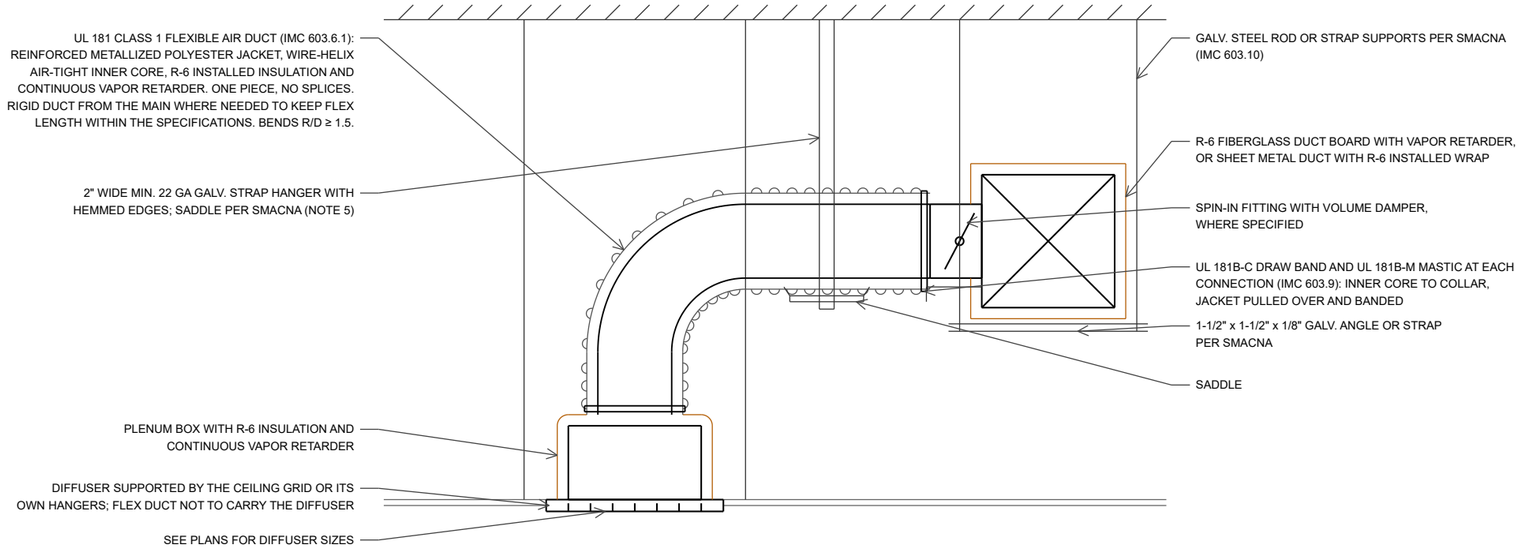
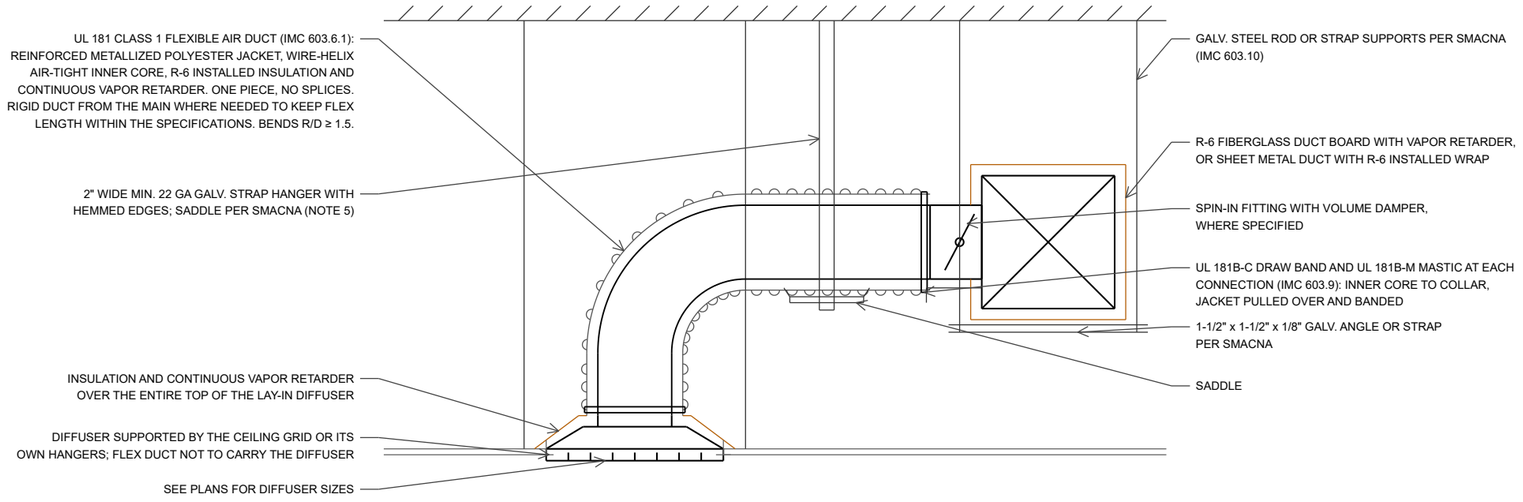


1 TYPICAL CEILING DIFFUSER WITH FLEX DUCT CONNECTION - PLENUM BOX

SCALE: NTS



2 TYPICAL CEILING DIFFUSER WITH FLEX DUCT CONNECTION - LAY-IN DIFFUSER

SCALE: NTS

NOTES (BOTH DETAILS):
1. FLEXIBLE DUCT SHALL BE ONE PIECE; DO NOT SPLICE.
2. SUPPORT FLEXIBLE DUCT AT 4'-0" MAX. SPACING WITH 1/2" MAX. SAG PER FOOT OF SPACING (ADC FLEXIBLE DUCT PERFORMANCE & INSTALLATION STANDARDS, 5TH ED.; IMC 603.10, FLEX DUCT PER MANUFACTURER).
3. R-6 SHOWN. INSULATION PER IECC C403.13.1 FOR THE DUCT LOCATION AND CLIMATE ZONE. VAPOR RETARDER WHERE REQUIRED TO PREVENT CONDENSATION ON THE DUCT (IMC 603.12).
4. WHERE THE CEILING IS PART OF A FIRE-RESISTANCE-RATED FLOOR/CEILING OR ROOF/CEILING ASSEMBLY, PROVIDE A LISTED CEILING RADIATION DAMPER AT THE CEILING LINE (IMC 607.6.2) AND SUPPORT THE FLEX DUCT PER SMACNA (FIRE-RATED ASSEMBLIES) AND THE ASSEMBLY LISTING.
5. DUCT CONSTRUCTION, SEALING AND SUPPORTS PER SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE, 4TH EDITION (ANSI/SMACNA 006-2020), AS REFERENCED BY IMC CHAPTER 15.

CODES: IMC = 2024 INTERNATIONAL MECHANICAL CODE. IECC = 2024 INTERNATIONAL ENERGY CONSERVATION CODE, COMMERCIAL PROVISIONS. LOCAL EDITIONS AND AMENDMENTS MAY NUMBER OR WORD THESE SECTIONS DIFFERENTLY.

REV. 2026-11-16. TYPICAL DETAILS FOR REFERENCE ONLY, NOT FOR CONSTRUCTION. VERIFY AGAINST THE GOVERNING CODE, ITS EDITION AND AMENDMENTS, AND THE PROJECT SPECIFICATIONS.