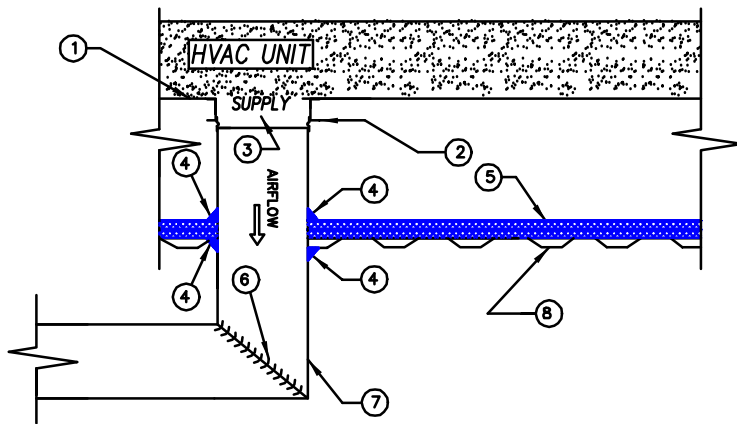


# HUSHCORE **DECK™** SYSTEM MODEL **DS-41** IN-CURB ACOUSTICAL TREATMENT FOR CURB MOUNTED RTU EQUIPMENT



BY RTU UNIT MANUFACTURER

1. RTU BASE
2. RTU OPENING
3. INTEGRAL CURB DUCT SUPPORT

BY ACOUSTICAL MANUFACTURER

4. HUSH SEALANT™ ACOUSTICAL GRADE CAULK AT ALL DUCT DROPS & CURB PERIMETER
5. HUSHCORE™ **DECK™** SYSTEM, MODEL **DS-41** IN-CURB ACOUSTICAL TREATMENT

BY HVAC CONTRACTOR

6. TURNING VANE
7. DUCT WORK
8. ROOF DECK FLASHED TO WITHIN 1/4" OF ALL DUCT DROPS BUT NOT IN CONTACT WITH DUCT WALL
9. SUBMIT LETTER OF CERTIFICATION FROM ACOUSTICAL SUPPLIER FOLLOWING INSPECTION

RTU NOISE REDUCTION SYSTEM

HUSHCORE™ **DECK™** System Model **DS-41** shall be a multi-layered acoustical composite for placement inside rooftop equipment curbs. The overall installed thickness of the composite panels shall be 4". The composite panels shall get HUSH SEALANT™ model HSAC-100 acoustical grade caulk at seams and all perimeter edges inside the curb. Decking shall be maintained inside the RTU roof curb to a clearance of 1/4" maximum around all duct drops but never contact the duct. The manufacturer or their local authorized agent shall inspect the in-curb deck system work on site prior to lowering of the units and issue a letter of certification stating that the products have been properly installed and sealed around all ductwork and drops to eliminate air gaps which can compromise performance. Products and systems shall be by BRD Noise and Vibration Control, Inc., Wind Gap, PA - (610) 863-6300, www.HUSHCORE.net.

PERFORMANCE

The HUSHCORE™ **DECK™** System shall be supplied by the rooftop unit manufacturer as part of a turnkey package. HUSHCORE™ **DECK™** System Model **DS-41** In-Curb Acoustical Treatment Performance shall be tested in accordance with procedure ASTM E-90-10. The in-curb composite panel assembly shall be rated at not less than STC-41 with 1/3 octave performance values as listed below for sound radiation through the deck inside the curb.

HUSHCORE In-Curb Composite - (Transmission Loss) in accordance with ASTM E-90-10																						
Freq. (Hz)	80	100	125	160	200	250	315	400	500	630	800	1K	1.25K	1.6K	2K	2.5K	3.15K	4K	5K	6.3K	8K	STC
Transmission Loss (dB)	13	13	18	20	25	40	48	52	56	58	60	58	60	60	61	62	65	69	72	72	74	41