RSN:1876012
Permit# 25-2508159 -LT

City of Aurora Public Works Department

RTU REPLACEMENT CHECKLIST

Provide a full-size set of legible APPROVED construction documents on site PRINTED IN COLOR for review by inspector.

Building Division • 15151 E. Alameda Parkway, Ste 2400 • Aurora, CO 80012 • 303.739.7420
Fax: 303.739.7412 • Email: permitcounter@auroragov.org

DATE 2/6/25	COMPANY Trane Technologies
ADDRESS 1400 S. Potomac	UNIT# North unit

Like for Like Replacement? ☒ Yes ☐ No **New Equipment** ☒ Yes ☐ No **Efficiency Rating** 9.7 EER / 15.5 IEER

Materials, Equipment, Appliances, and Devices shall not be reused unless such elements have been reconditioned, tested, and placed in good and proper working condition and approved. IMC 105.4

If used equipment is under consideration for installation, documentation from retailer or repair shop verifying equipment has been reconditioned, tested, and in good and proper working condition must accompany the permit application. Used and new equipment must meet all adopted codes.

Structural plan review is limited to a general survey for code compliance. No review is implied nor was undertaken to verify structural adequacy.

Code violations that are found during inspections are required to be corrected. Permit issuance does not grant approval of a code violation.

GAS CONNECTION

Gas pipe plan required if new BTU input exceeds existing.

Existing RTU ~~BTU input~~ MBH: 467 MBh

New RTU ~~BTU input~~ MBH: 419.87 MBh / 110 KW — 786 MBh total Electric Heat

110 K.W / 797 MBh total

WEIGHT

Structural engineer letter required if new RTU weight exceeds the existing weight. Structural engineer letter required if relocating or adding equipment.

Existing RTU Weight: 11,200

New RTU Weight: 11389.116

COOLING SYSTEM CAPACITY OF NEW UNIT

Cooling Load: 786.97 MBH

Economizer ☒ Yes ☐ No

Cooling systems equal to, or greater than, 54,000 BTU/h (4.5 tons) require integral economizers with a means to relieve excess outdoor air during economizer operation. IECC 503.3.1

AIR SUPPLY OF NEW UNIT

Total CFM: 27000 CFM

Existing Smoke Detectors ☒ Yes ☐ No

Existing Fire Alarm ☒ Yes ☐ No

If supply air exceeds 2,000 CFM smoke detectors may be required. Check with the building department to see if your project requires return air smoke detectors.

Name D.J. Green ASM / Trane

Signature D.J. Green

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: ymunoz
Date: Feb 14, 2025
2021 INTERNATIONAL CODES & 2023 NEC

City of Aurora Building Division
Project: RTU REPLACEMENT
Address: 1400 S POTOMAC ST
Occupancy Group: B
Construction Type: UBC TYPE IIN-SPK
RSN: 1876012
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