

MIDDLEBROOK ENGINEERING, LLC

PO Box 1194
Vaughn, WA 98394

P (253) 651-6780
Email: brian@middlebrookeng.com

8/03/23

Salud Bar and Grill
3509 Carpenter Rd SE
Lacey, WA 98503

RE: Salud Bar and Grill

To whom it may concern,

Our engineers have reviewed the as built condition (current condition of the new work based on our completed mechanical plans) for the Indoor Units (IU-01 and IU-02, see equipment schedules) at the Salud Bar and Grill. The installation shows these indoor units stacked in a closet.

It is important to note that our plans indicate that manufacturer's clearances should be adhered to. The manufacturer recommends 36 inches on top of the units for coil cleaning and UVC light access, and 73 inches on the filter/ drain pan access side for drain pan removal. It appears that the recommended clearances are not being met.

Currently, there is approximately 18" above the IU-01 and IU-02 clear, and about the same for side access.


This unit does not have a UVC light, and we believe that while difficult, the coil cleaning can probably happen in the 18" present in the as built condition. We accept this installation if the owner is willing to maintain the unit in this manner. We recommend that the filter/ drainpan side access clearance issue should be addressed by kicking out the wall of the closet and building it at the location required by the manufacturer's recommended clearance, or installing a set of double doors in this location such that the doors can be opened, and unit access can be had through the opened doors. The clearance appears to be 73" per the I/O manual.

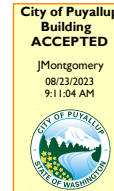
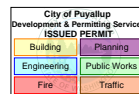
We do not see an issue with locating the associated outdoor units on the roof, total 1000 pounds. The units are currently located in place of a demolished 20-ton air handling unit. Structural is not in our scope.

Contractor to ensure the system modifications will have no impact on testing and balancing. We believe that there should be no issue since the kitchen ductwork appears to be oversized for the updated amount of CFM.

Thank you for your attention to this matter, and I kindly request that you keep me informed of any further developments regarding this project. Please do not hesitate to reach out if you require any additional information from me.

Sincerely,


Brian S. Middlebrook, PE, LEED AP
Principal



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FULL SIZED LEDGIBLE COLOR
PLANS ARE REQUIRED TO BE
PROVIDED BY THE PERMITTEE
ON SITE FOR ALL INSPECTIONS

