



- ✚ Mechanical/Electrical/Plumbing Engineering
- ✚ Fire Protection Engineering
- ✚ Code/Life Safety Consulting
- ✚ Commissioning Services

CODE RESPONSE LETTER

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|------------|-----------------------------|--------------|-------------------------------------|
| Date: | <u>October 14, 2020</u> | From: | <u>Logan Unrein, E.I.T.</u> |
| Company: | <u>City of Lee's Summit</u> | Reference: | <u>PRCOMCOM20193460</u> |
| | <u>Development Services</u> | Project: | <u>HBros – Cooler Addition</u> |
| Attention: | <u>Joe Frogge</u> | | <u>304 SE M 291 Highway.</u> |
| Phone No.: | <u>816-969-1200</u> | | <u>Lee's Summit, Missouri 64063</u> |
| Fax No.: | <u>816-969-1201</u> | Project No.: | <u>19-721-1</u> |

1.) Building Plan Review: Joe Frogge

Comment 7. 2018 IMC 501.3.1 Location of exhaust outlets. The termination point of exhaust outlets and ducts discharging to the outdoors shall be located with the following minimum distances: (see code for items 1, 2, 4, & 5) 3. For all environmental air exhaust: 3 feet from property lines; 3 feet from operable openings into building for all occupancies other than Group U, and 10 feet from mechanical air intakes. Such exhaust shall not be considered hazardous or noxious.

Response: Per IMC 506.5.6 Termination location. The outlet of exhaust equipment serving Type I hoods shall be in accordance with Section 506.3.12.

Exception: The minimum horizontal distance between vertical discharge fans and parapet-type building structures shall be 2 feet provided that such structures are not higher than the top of the fan discharge opening.

Exhaust fan is located more than 2 feet from adjacent parapets and parapets will be taller than the fan when sitting on the roof curb.

2.) Building Plan Review: Joe Frogge

Comment 8. 2018 IMC 506.3.13.3 Termination location. Exhaust outlets shall be located not less than 10 feet horizontally from parts of the same or contiguous buildings, adjacent buildings and adjacent property lines and shall be located not less than 10 feet above the adjoining grade level. Exhaust outlets shall be located not less than 10 feet horizontally from or not less than 3 feet above air intake openings into any buildings. (see code for exception).

Response: KEF-3 is located more than 10'-0" away from RTU-3's outdoor air intake. Dimensions are added to MEP roof plan sheet MEP100.

3.) Building Plan Review: Joe Frogge

Comment 10. 2018 IMC 506.3.7 Prevention of grease accumulation in grease ducts. Duct systems serving a Type I hood shall be constructed and installed so that grease cannot collect in any portion thereof, and the system shall slope not less than one-fourth unit vertical in 12 units horizontal (2% slope) toward the hood or toward a grease reservoir designed and installed in accordance with Section 506.3.7.1. Where horizontal ducts exceed 75 feet in length, the slope shall be not less than one unit vertical in 12 units horizontal (8.3% slope).

Response: Note #4 in kitchen hood and exhaust fan schedule on sheet M600 removed that referenced bird screen and backdraft damper.

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Submitted,

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