Craig Hill

Subject: FW: 409 Cumberland Ave - permit app # 2014-00246 - 036-H-019
Attachments: 409 Cumberland Avenue.pdf

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 01/14/15

From: Charette, Jeff [mailto:JJCHARETTE@TRANE.COM]
Sent: Friday, July 25, 2014 4:12 PM
To: Tony Stevens; Craig Hill; Corinne Hutchinson
Subject: 409 Cumberland Ave - permit app # 2014-00246 - 036-H-019

Tony,

I understand that the specified Greenheck units had a sound pressure level of 68dBA at 5feet. I have attached an acoustical report run through the Trane Acoustics Program. I entered the sound power level of the Renewaire ERV unit (custom element #1) and the sound power level of the Trane packaged rooftop (custom element #2). This provided a sum of the sound power of the two units operating together. Assuming a building height of 40 feet and a distance of 5 feet from the unit the program calculated the sound pressure to be 66dBA.

-6dBA @ 10'
-6 BBA @ 20'

54 DBA @ 20'

Kind Regards,

Jeff Charette
Systems Account Manager

Trane Commercial Systems
Ingersoll Rand
860 Spring Street, Unit #1
Westbrook, ME 04092

Tel: 207-239-3401
Fax: 207-828-1511
Mobile: 207-653-5803

E-mail: jcharette@trane.com
Website: www.trane.com/commercial

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Paths Report

Project Name: 409 Cumberland Avenue Housing
Location: Cumberland Avenue
Building Owner: Avesta Housing
Project ID:

Path1

Element	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	Comments
Custom Element	94	98	95	91	85	84	81	Renewaire ERV model HE4XRT
Custom Element	91	86	90	86	82	78	73	Trane packaged rooftop, model YSC120
SubSum	**96**	**98**	**96**	**92**	**87**	**85**	**82**	
Outdoor	-28	-28	-28	-28	-28	-28	-28	Assumptions: Based on a building height of 40 feet and a distance of 5 feet from the unit.
Sum	68	70	68	64	59	57	54	

NC 61 RC 60(H) 66 dBA POSSIBILITY OF NOISE-INDUCED VIBRATION

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CITY OF PORTLAND, MAINE · RESURGAM

Date: 01/14/15