

COOP - HBHS – Ventilation and Energy Upgrades

- Our goal is to control indoor environments and learning spaces and create comfortable conditions as well as create sustainable energy efficiency.
- As part of this process specifically, we’re replacing aging roof top units which will improve both ventilation and energy savings.
- These new rooftop units will include dehumidification that will better regulate indoor environments during the uncomfortable humid months of the school year.
- Local area schools including Nashua and Manchester school districts are adopting this approach to controlling building climates.
- This accomplishes our need to replace aging building systems while creating better learning environments with comfortable teaching spaces throughout the 1st, 2nd and 3rd floors of Hollis-Brookline High School.

Year Installed	Unit Name	Areas Served	CFM	Total
1996	HVAC - 3	Media Center/Library	5010	370,018.00
1996	HV-2	Special Ed - Fiemus - 2nd Floor		357,021.50
1996	RTU - 1	1st, 2nd & 3rd Floor Front facing Classrooms (Rooms 147-152, 201-204, 300-307, 317, 318)	12280	476,283.50
1996	RTU - 2	2nd & 3rd Floor Courtyard Classrooms (Rooms 216-222, 309, 323, 329)	12490	476,283.50
1996	HRU - 1	Locker/Classrooms	3080E/2380S	300,601.40
2000	RTU - 1C	2000 Addition Wing Classrooms/Labs (1st, 2nd & 3rd Floor)	12000	476,283.50
		Total Building		2,456,491.40
		Contingency		130,000.00
		Electrical Upgrade		300,000.00
		Phase 1 Total:		2,886,491.40

- Electrical upgrades may be required to meet newer unit needs versus the demand of current/existing units. Carried cost is exhibited in electrical upgrade line.

COOP - HBHS – Ventilation and Energy Upgrades

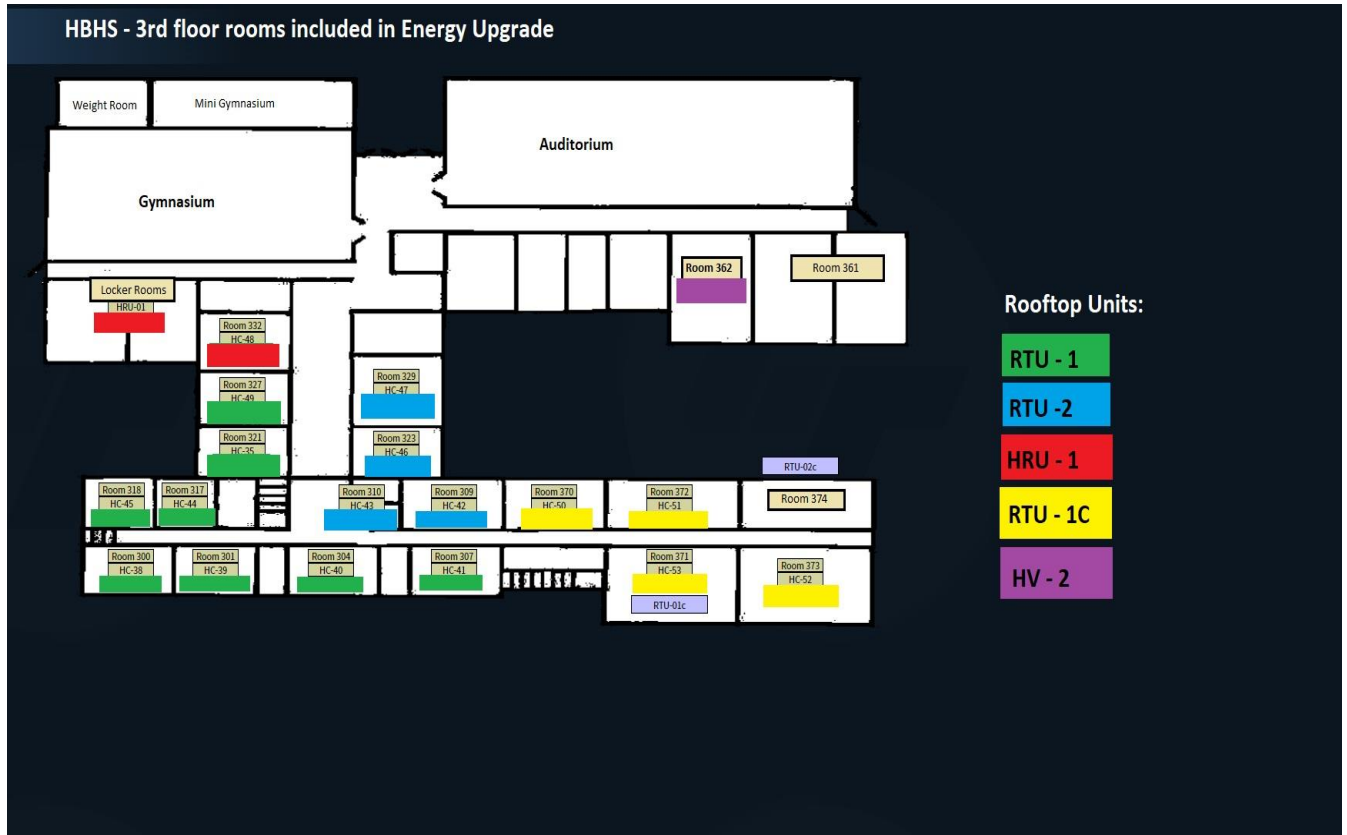
As noted below in the 1st, 2nd and 3rd floor plans, the color-coded rooms are the spaces that will have ventilation and dehumidification upgrades.

- Spaces not included in the color coding are serviced by pre-existing units that either have cooling currently or aging units that have not been identified in this initial phase of the energy upgrade.
- With this plan, the majority of learning spaces on the 1st, 2nd and 3rd floors have been identified to maximize teacher and student access to ventilation and comfortability.



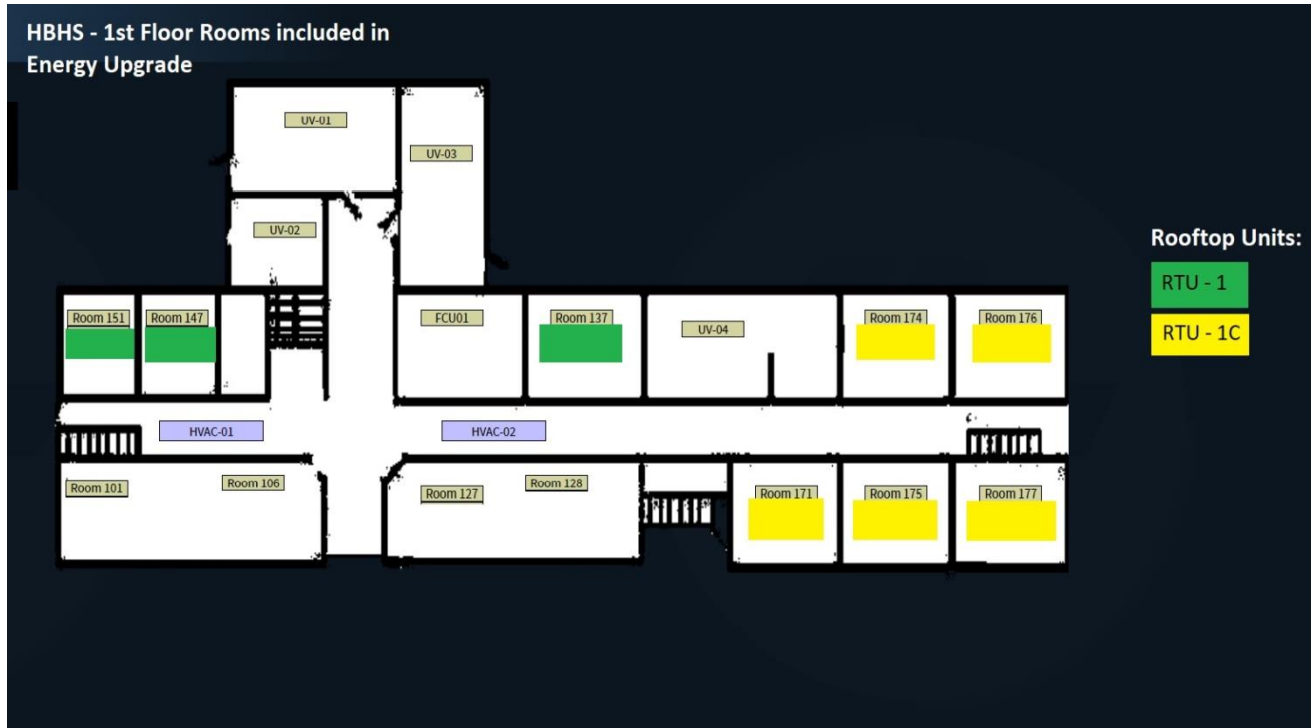
- **Rooms 201, 202, 203, 204, 205, 216, 217, 221, 222, 223, 224, 225, 248, 249, 250, 270, 271, 273, 274, 275, 276** are included in this plan.

COOP - HBHS – Ventilation and Energy Upgrades



- **Rooms 300, 301, 304, 307, 309, 310, 317, 318, 321, 323, 327, 329, 332, 362, 370, 371, 372, 373** and Locker Room spaces are included in this plan.

COOP - HBHS – Ventilation and Energy Upgrades



- **Rooms 147, 148, 149, 150, 151, 152, 153, 171, 172, 174, 175, 176, 177, and Health Office (Room 137)** are included in this plan.