Yale University

Plan for Reopening University Buildings

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RESPONSIBILITIES IN IMPLEMENTING SAFETY MEASURES

Customer/Building Occupant Responsibilities

- Designate Lead Administrator (or Safety Officer) as primary rep. for your department.
- ALL faculty and staff returning to campus must complete the Reactivation Training for Researchers (<u>http://workday.preview.yale.edu/ReturnToWork/</u>)
- Plan and coordinate with Facilities Superintendent as soon as possible, but no later than two weeks prior to anticipated date of return.
- · Submit occupancy schedules and locations; receive approval from Provost's Office.
- Maintain occupancy levels per state requirements and University requirements (https://ehs.yale.edu/occupancy-requirements-limits).
- Maintain a supply of Personal Protective Equipment (PPE), wipes, sanitizers, etc. as required for departmental use. Please address any questions about sourcing these supplies with The Office of Procurement (https://your.yale.edu/work-yale/coronavirus-covid-19-operational-guidance).
- Office occupants will have to take their trash to common area trash cans.
- Manage access for department vendors and deliveries.
- Plan and coordinate visitor access.

Related Links

Coordinate with Facilities Superintendent: Click to find your building's Facilities Superintendent

Receive Provost Office Approval (Requires VPN): Click to visit EHS Integrator

Manage Access for Department Vendors and Deliveries: <u>Click for Facilities/Contractor Vendor Site Access</u> <u>Requirements</u> <u>Click for the Procurement Vendor Guidelines</u>

For Leased Properties: <u>Direct questions to Sharon Rose (Sharon.rose@yale.edu)</u> Place a work request at flats.yale.edu

Facilities Department Responsibilities

Cleaning & Disinfection	Optimizing of Building Infrastructure	Supplemental Support to Depts. Regarding Space Use	Management of Supplemental Contractors & Vendors
• Thorough cleaning prior to reopening.	• Review system design and identify changes.	• Provide guidelines to departments for arranging their	• Contractor work rules and training for stand-alone sites
 Recurring cleaning and disinfecting according to the 	 Ready systems, perform inspections and start-up. 	workplace. • Assist Department Program	and work within Yale occupied buildings.
frequencies listed in the Appendix.	• Optimize and make changes to existing system and HVAC	Admin. in placing building and department signage.	Site-specific plans.Compliance.
 Maintain Facilities-provided hand sanitizer stations. 	equipment.	 Reorganize common area set- ups to provide social distancing. 	-

Plan for Reopening University Buildings

PRIOR TO REOPENING: BUILDING READINESS TASK LIST & RESPONSIBILITY MATRIX

		Facilities Department					
Preopening Task List	Occupant/ Dept. Lead Admin.	University Planning	Physical Plant Operations/ Tenant Services	Custodial/ Landscp. & Grounds Mngmt.	Engineering	Facilities Customer Service	Fire Code Compliance
Occupying Department Responsibility							
Determine building usage and expected occupancy (refer to EHS Integrator for status)	х						
Receive approval from Provost Office prior to returning to building	х						
Confirm authorized users card access to building with Security	x						
Delivery communication and receipt process established	x						
Establish occupancy schedule and log to maintain max. 50% occupancy	x						
Initial delivery of PPE and disinfection supplies	x						
Joint Occupying Department & Facilities Responsibility							
Record & identify any add. requests for future implementation (i.e. touchless faucets, door openers, etc.)	x	х	x	х			
Access guidelines reviewed and confirmed with all vendors	х		х	х			
Training completed by all staff (TMS)	х		x	Х			x
Post Signage (department signage by Occupant/Program Admin., typical building signage by Facilities)	х			Х			
Make changes to space layouts and section off areas and seating (common areas by Facilities)**				х			
Facilities Responsibility							
Modify system operation consistent with recommendations and perform required maintenance *			x				
Assign Building / Space Operating Level; note any exceptions **			X	Х	x		
Review MEP system design and operating parameters; make recommendations *			X		х		
Perform O&M building walk-throughs / inspections / start-up / flushing / firesystem inspections **			X				х
Inspect building entrances/areas of building for cleanliness, etc. **				х			
Clean interior areas consistent with operating level				х			
Provide building hand sanitizer at key locations *				х			
Landscape and grounds ready **				х			
Verify BAS is monitoring system operation / Acknowledge system changes / Monitor *						х	
Final Signoff - Joint Responsibility							
Perform final pre-opening building inspection **	x		X	Х			X

* As applicable in Leased Properties

** Not applicable in Leased Properties

ASSOCIATED SPACE OPERATING STATUS

3

Plan for Reopening

University Buildings

University Proposed Phases of Reopening PHASE 1 PHASE 2 PHASE 3 Highly Restricted Restricted Nearly Normal Space Operating Levels

Operating Level A	Closed/Hibernation Mode
Operating Level B	Restricted Access/Partial Occupancy (<50%)
Operating Level C	Restricted Access with Increased Occupancy (>50%) / Special Space Type
Operating Level D	Open Access with Some Limitations

How will Facilities assess and assign levels?

- Campus buildings and/or certain spaces within a building will be assigned an operating level.
- Operating levels will correspond to specific cleaning/disinfecting protocols as well as operation and maintenance parameters/ recommendations.
- Each University Phase will have campus buildings at different levels.
- A specific campus building may also have multiple levels (i.e., YSB: Most of the building is at Level B; Pavilion and Lecture Halls at Level A)
- A level may change at any time based upon:
 - Occupancy levels
 - Types of space and use
 - State and local health guidance

Click to find you buildings' Space Operating Level

4

Plan for Reopening University Buildings

Level Status Definition **Occupancy Status** Few-to-no occupants. **OPERATING LEVEL A** Closed/Hibernation Mode Access only as needed for critical maintenance activities. Buildings and departments are open. Yale assigned occupants have access. Yale sponsored visitors only. **OPERATING LEVEL B** Restricted Access/Partial Occupancy (<50%) Assumed occupancy levels at any given time are below normal (< 50% of peak). Social distancing rules in place. A building or designated area within a building based upon the following conditions: **OPERATING LEVEL C** Restricted Access with Increased Occupancy (>50%) • Increased building / area occupancy density (>50%) / Special Space Type Social distancing not possible due to program requirements Building or Space Type: healthcare, clinical, dining halls / cafes, areas of assembly with occupancy levels greater than 25 people, COVID-19 infected area(s) Buildings and departments are open. Larger gatherings and meetings are possible, but there may be **Open Access with Some Limitations** limits on size. **OPERATING LEVEL D** Some PPE and social distancing guidance may remain, based upon health guidance from State and Local health agencies.

SPACE OPERATING LEVEL ASSESSMENT DEFINITIONS



Plan for Reopening University Buildings

IMPORTANT FACILITIES CONTACTS

Please contact <u>facilities.servicecenter@yale.edu</u> for additional information and guidance on specific questions pertaining to the categories identified below:

Please identify one of the following categories in the subject line of the email:

- Cleaning & Disinfecting
- Optimizing Building Infrastructure
- Space Use
- Procurement
- Facilities Contractors & Vendors

Yale Office of Facilities Web Links

Find your building's Facilities Superintendent (https://facilities.yale.edu/services/facilities-services-building-contacts)

Yale Office of Facilities Website (https://facilities.yale.edu)

Facilities 24/7 Customer Service: 203-432-6888

APPENDIX

Plan for Reopening University Buildings

CLEANING & DISINFECTING (1 OF 3)

Appendix: Page 1 of 8

Area Type	Level A	Level B	Level C	Level D
Office/ Administrative	Facilities Services performing weekly walk-throughs	Cleaned quarterly, during recess/breaks only (dust, vacuum, and trash removed); this includes a full clean once per year (dust, high dust, vacuum, trash removed, carpet/floor cleaned). Offices devoid of personal effects and paper can be treated with aerosol disinfectant on request. Occupants will place their trash in receptacle in common area or dumpster. Occupants will procure wipes for disinfecting their own and shared desks and equipment.	Cleaned quarterly, during recess/breaks only (dust, vacuum, and trash removed); this includes a full clean once per year (dust, high dust, vacuum, trash removed, carpet/floor cleaned). Offices devoid of personal effects and paper can be treated with aerosol disinfectant on request. Occupants will place their trash in receptacle in common area or dumpster. Occupants will procure wipes for disinfecting their own and shared desks and equipment.	Cleaned quarterly, during recess/breaks only (dust, vacuum, and trash removed); this includes a full clean once per year (dust, high dust, vacuum, trash removed, carpet/floor cleaned). Offices devoid of personal effects and paper can be treated with aerosol disinfectant on request. Occupants will place their trash in receptacle in common area or dumpster. Occupants will procure wipes for disinfecting their own and shared desks and equipment.
Public Spaces	Facilities Services performing weekly walk-throughs	Cleaned and trash removed once per day, 5 days/week (7 days/week for buildings/spaces with high occupancy on weekends). Disinfecting wipes will be provided by Facilities in shared conference rooms for additional disinfecting of tables and chairs. Occupants are responsible for providing disinfecting wipes for departmental conference rooms and spaces, breakroom refrigerators, microwaves, coffee pots, water coolers, etc.	Cleaned and trash removed once per day, 5 days/week (7 days/week for buildings/spaces with high occupancy on weekends). Disinfecting wipes will be provided by Facilities in shared conference rooms for additional disinfecting of tables and chairs. Occupants are responsible for providing disinfecting wipes for departmental conference rooms and spaces, breakroom refrigerators, microwaves, coffee pots, water coolers, etc.	Cleaned and trash removed once per day, 5 days/week (7 days/week for buildings/spaces with high occupancy on weekends). Disinfecting wipes will be provided by Facilities in shared conference rooms for additional disinfecting of tables and chairs. Occupants are responsible for providing disinfecting wipes for departmental conference rooms and spaces, breakroom refrigerators, microwaves, coffee pots, water coolers, etc.

Level A Level B Level C Area Type Level D Facilities Services performing weekly Cleaned/disinfected once daily, 5 Cleaned/disinfected once daily, 5 Cleaned/disinfected once daily, 5 days/week (7 days/week for buildings/spaces with high days/week (7 days/week for days/week (7 days/week for walk-throughs Public Restrooms buildings/spaces with high occupancy on buildings/spaces with high occupancy on occupancy on weekends). weekends). weekends). High-touch points cleaned once daily 5 High-touch points cleaned once daily 5 Facilities Services performing weekly High-touch points cleaned once daily 5 walk-throughs days/week (7 days/week for days/week (7 days/week for days/week (7 days/week for buildings/spaces buildings/spaces with high occupancy on buildings/spaces with high occupancy on with high occupancy on weekends). Stairs Stairwells, Elevators, Outside weekends). Stairs and hallway floors weekends). Stairs and hallway floors and hallway floors cleaned once per week. **Entrances, and Hallways** cleaned once per week. cleaned once per week. Facilities Services performing weekly Trash removed daily, 5 days/week. Trash removed daily, 5 days/week. Floors Trash removed daily, 5 days/week. Floors walk-throughs Floors cleaned once per week. cleaned once per week. cleaned once per week. Labs Occupants responsible for providing Occupants responsible for providing Occupants responsible for providing disinfecting wipes for shared equipment disinfecting wipes for shared equipment disinfecting wipes for shared equipment and and high-touch work surfaces. and high-touch work surfaces. high-touch work surfaces. Facilities Services performing weekly Cleaned once per day (if being used). Cleaned once per day (if being used). Cleaned once per day (if being used). walk-throughs Disinfecting wipes provided in each Disinfecting wipes provided in each Disinfecting wipes provided in each Classrooms classroom for users to disinfect classroom for users to disinfect before/after classroom for users to disinfect before/after before/after use. use. use. Cleaned twice per year (at end of each Facilities Services performing weekly Cleaned twice per year (at end of each Cleaned twice per year (at end of each walk-throughs semester); trash removed daily, 5 semester); trash removed daily, 5 semester); trash removed daily, 5 days/week. days/week. days/week. Studios Occupants responsible for providing Occupants responsible for providing Occupants responsible for providing disinfecting wipes for shared equipment disinfecting wipes for shared equipment disinfecting wipes for shared equipment and and high-touch work surfaces. and high-touch work surfaces. high-touch work surfaces. Facilities Services performing weekly Cleaned/disinfected once daily, 7 days/week Cleaned/disinfected once daily, 7 Cleaned/disinfected once daily, 7 walk-throughs days/week days/week **Residential Colleges/Grad** Facilities provides disinfecting wipes for

Facilities provides disinfecting wipes for

occupants' use.

occupants' use.

Facilities provides disinfecting wipes for

occupants' use.

CLEANING & DISINFECTING (2 OF 3)

Housing: Student Shared

Bathrooms

Appendix: Page 2 of 8

CLEANING & DISINFECTING (3 OF 3)

Area Type	Level A	Level B	Level C	Level D
Residential Colleges/Grad Housing: Community Spaces (Butteries, Gyms, Game Rooms)	Facilities Services performing weekly walk-throughs	No service (spaces closed)	Cleaned daily, 7 days/week (if in use). Occupants are responsible for providing disinfecting wipes and disinfecting refrigerators, microwaves, coffee pots, water coolers, game equipment, gym equipment, other equipment, etc.	Cleaned daily, 7 days/week (if in use). Occupants are responsible for providing disinfecting wipes and disinfecting refrigerators, microwaves, coffee pots, water coolers, game equipment, gym equipment, other equipment, etc.
Residential Colleges: Student Activity Specialty Spaces	Facilities Services performing weekly walk-throughs	No service (spaces closed)	Cleaned once per week. Occupants responsible for providing disinfecting wipes for shared equipment and high-touch surfaces.	Cleaned once per week. Occupants responsible for providing disinfecting wipes for shared equipment and high-touch surfaces.
Healthcare Facilities (YHC and YPB)	Facilities Services performing weekly walk- throughs	Blue Sheet Level of Service plus additional cleaning and disinfecting of commonly-touched surfaces in public areas with full-time portering during operating hours	Blue Sheet Level of Service plus additional cleaning and disinfecting of commonly- touched surfaces in public areas with full-time portering during operating hours	Blue Sheet Level of Service

OPTIMIZE BUILDING INFRASTRUCTURE (1 OF 2)

System Type	Level A	Level B	Level C	Level D
Space Environmental Conditions	Space temperature setpoints are expanded as conditions allow.	Space temperature setpoints are maintained as normal.	Space temperature setpoints are maintained as normal.	
Operable Windows	Windows are kept closed.	• Use of operable windows is encouraged except for research laboratories or spaces with very specific environmental conditions. Occupants must close windows upon leaving spaces.	• Use of operable windows is encouraged except for research laboratories or spaces with very specific environmental conditions. Occupants must close windows when leaving spaces.	
Radiant / Passive Heating & Cooling	 Radiant heating and cooling systems operate as normal to meet expanded space temperature setpoints. 	Radiant heating and cooling systems operate as normal.	• Radiant heating and cooling systems operate as normal.	
Recirculated AHU – Multiple Spaces / Zones	 Air handling units run on a limited schedule to bring fresh outdoor air into the building and maintain expanded space temperature setpoints. 	 Air handling units to operate on an expanded schedule, 1-2 hours pre and post occupancy, to flush the building. Normal minimum and maximum outdoor air percentages are maintained to bring fresh outdoor air into the building. Any existing demand-controlled ventilation sequences that would reduce levels of outside air are removed. 	 Air handling units to operate on an expanded schedule, 1-2 hours pre and post occupancy, to flush the building. Maximum outdoor air percentages are maintained based on allowable capacity of system to bring fresh outdoor air into the building. Any existing demand-controlled ventilation sequences that would reduce levels of outside air are removed. Total energy wheels and air-to-air heat exchangers are disabled or bypassed. 	• HVAC systems will run and operate as originally installed / designed.
Local Recirculated AHU (FCU's, split systems, etc.)	 There are no changes to the operation of local recirculating systems. 	 Local recirculating systems are run at low speed setting where possible. 	 Use of local recirculating systems is minimized in shared spaces. Local recirculating systems are run at low speed setting where possible. 	
100 % Outside Air AHU / Exhaust Air Systems	 100% OA air handling units are evaluated for modifications as appropriate. 	 100% OA AHUs operate as normal. Toilet exhaust fans are scheduled to operate 24/7. 	 100% OA AHUs operate as normal. Toilet exhaust fans are scheduled to operate 24/7. 	

OPTIMIZE BUILDING INFRASTRUCTURE (2 OF 2)

Appendix: Page 5 of 8

System Type	Level A	Level B	Level C	Level D
Special Considerations	• None	 Total energy recovery wheels and airto-air heat exchangers are evaluated for modifications as appropriate. An emergency response protocol for revised system operation is established. 	 Additional system modifications are evaluated, including: Operating AHU's & local systems 24/7 if OA%'s cannot be further increased Changing main filtration to MERV13 or higher based upon area served and OA% achieved Spot utilization of local filtration systems in open areas with high occupant density and minimum OA% Evaluate and implement physical infrastructure changes as necessary (l.e., upgrading motors and/or fans, rebalancing airflow, creating negative pressure spaces, etc.) 	 Modifications to control sequences and physical modifications to equipment as required based upon updated code guidance from ASHRAE and other state and local codes based upon future impact of system operation and design due to COVID-19.
Electrical Systems	• No changes	• No changes	No changes	 Elevator calling via Phone app or alternate method as available Electronic door opening hardware Occupancy sensor lighting control
Plumbing Systems	 Domestic water systems are flushed periodically 	No changes	No changes	Provide sensor flush toilets and faucets
Utility Systems	No Change/Continue Service	No Change/Continue Service	No Change/Continue Service	No Change/Continue Service

SUPPLEMENTAL SUPPORT REGARDING DEPARTMENT SPACE USAGE

Appendix: Page 6 of 8

Attributes	Immediate Recommendations for Phase 2 Restricted Use	Additional Recommendations for Phase 3 Nearly Normal (future implementation)
Occupancy Management	Establish scheduling protocols to maintain state and local occupancy requirements (Dept. Lead Admin.)	Common software for university use
Signage	 Typical building signage for entries, elevators, PPE/sanitation areas, restrooms, and public area social distancing guides (Facilities) Departmental signage for departmental messaging, schedules, user-specific requirements (Dept. Lead Admin.) 	 Additional building or occupant specific sign requests to be coordinated with Communications Task Force – University Printer and YPPS. Signage for all public bathrooms has been updated for occupancy at every other stall/urinal.
Interior Doors	 All fire and stairwell doors along egress route shall remain closed or appropriately latched DO NOT PROP OPEN Conference room and private office doors may be propped open, bathroom doors if sightlines into space are acceptable 	 Remove door handles/latched hardware at push side, install push plates where feasible Install automatic door openers or electronic hold opens
Entry/Security Checkpoints	 Coordinate authorized card access with Security (Dept. Lead Admin.) Determine building entry points (Dept. Lead Admin.) 	
Department Reception	 Reorganize furnishings for interaction points 6 ft apart, remove devices/supplies/magazines/books of shared touch Consider assigning admin assistant an enclosed small conf. room 	Consider plexiglass partition at transaction counters - contact Facilities
Collaboration Spaces	 Position seating 6 ft apart Bundle or stack excess furniture within space Remove conference phones, whiteboard pens and erasers 	Provide wi-fi connectivity instructions in all conference rooms for use by laptop, cell phones, LCD displays
Laboratories	 Position bench space seating 6 ft apart – prefer one person per bay Keep lab doors closed to maintain proper airflow and minimize disruptive air currents 	
Offices & Workstations	 Position seating 6 ft apart Position seating so it does not face each other Suggest re-assigning workstations to enclosed conf. rooms 	
Designated Visitor Rooms	 Establish visitor protocols; designate a space within department near entry with wifi access for visitor use (Dept. Lead Admin.) 	Yale is not currently open to visitors, but circumstances may necessitate visitor access at some time.
Shipping/Receiving	 Provide signage/communication for delivery vendors (Dept. Lead Admin.) Manage receipt of deliveries at building entrance in designated area 	

PROCUREMENT PLANNING

Appendix: Page 7 of 8

Procurement Items	Availability/Tracking	Storage/Warehouse	Distribution
Masks/Individual-Use Hand Sanitizer and Wipes	Initial Distribution for Phase I "Start-up Kit" will include: 50 disposable face masks per person (one per day); individual-size hand sanitizer; 3 canisters of disinfecting wipes (160 count per canister); and Insert After initial distribution, departments will procure their own replacements as required Procurement currently sourcing cloth masks (washable / reusable) that will be distributed at a Phase II or III. Distribution for "Welcome Bag" will include: 3 cloth masks; individual-size hand sanitizer; travel size packet of wipes; and Insert	Items to be stored at 344 Winchester until distributed	TR&S and/or YPPS will deliver packages directly to labs and other research locations for Phase I as approvals are confirmed through EHS Integrator. Phase II/Phase III - TBD
Facilities Services Cleaning/Disinfecting Supplies	Ordered and received; additional resupply ongoing	Stored in Facilities Services custodial storage rooms around campus	Already distributed to each Facilities Services unit
Hand Sanitizer Dispenser Stands	1,250 hand sanitizer stands have been procured and distributed.	spare dispensers and sanitizer refill cartridges or liquid stored in various Facilities Services custodial storage rooms.	Facilities Services has placed units in open facilities at all entrances, elevator lobbies, outside of major restrooms, and other high-traffic public spaces
Disinfecting Wipes	1,000 disinfecting wipes dispensers and 3,000 wipes refills, plus over 1,000 stand-alone wipes canisters have been procured and distributed.	500 spare dispensers and wipes refills stored in various Facilities Services custodial storage rooms	Facilities Services has placed units in open facilities in classrooms and non-departmental conference rooms, and in all residential shared bathrooms.
University Graphic Signage	Building signage and signage templates being developed by Communications Task Force, led by Nate Nickerson and John Gamble	Yale Publishing and Printing will print and laminate typical building signage for elevators, restrooms, etc.	Facilities will collect and install typical building signage. Program Administrators will need to develop and install any departmental signage.

UNIVERSITY REOPENING PLAN: RESOURCE DOCUMENTATION

Centers for Disease Control and Prevention (CDC)

COVID-19 Guidance for Businesses and Workplaces / Reopening Guidance for Cleaning and Disinfecting Public Spaces, Workplaces, Businesses, Schools, and Homes https://www.cdc.gov/coronavirus/2019-ncov/community/organizations/businesses-employers.html

U.S. Department of Labor, Occupational Safety and Health Administration (OSHA)

Guidance on Preparing Workplaces for COVID-19 / https://www.osha.gov/Publications/OSHA3990.pdf

Federal Emergency Management Agency (FEMA)

Planning Considerations for Organizations in Reconstituting Operations During the COVID-19 Pandemic / April 29,2020 / https://fema.gov/coronavirus

State of Connecticut, Governor Ned Lamont

Reopen Connecticut, Sector rules for May 20th reopen / May 8, 2020 / https://portal.ct.gov/-/media/DECD/Covid_Business_Recovery/CTReopens_Offices_C4_V1.pdf?la=en

BOMA International

Getting Back to Work: Preparing Buildings for Re-Entry Amid COVID-19 / May 1, 2020 / https://boma.informz.net/BOMA/data/images/Getting%20Back%20To%20Work%20Preparing%20Buildings%20for%20Re%20Entry.pdf

ASHRAE (American Society for Heating, Refrigerating and Air-Conditioning Engineers)

ASHRAE Epidemic Task Force / Building Readiness.pdf – Date: 05/05/20 / https://www.ashrae.org/file%20library/technical%20resources/covid-19/ashrae-building-readiness.pdf ASHRAE Epidemic Task Force / Reopening Schools.pdf – Date: 05/05/20 / https://www.ashrae.org/file%20library/technical%20resources/covid-19/ashrae-reopening-schools.pdf Frequently Asked Questions and Glossary / https://www.ashrae.org/technical-resources/frequently-asked-questions-faq Guidance for Building Operations During the COVID-19 Pandemic / 05/20 https://www.ashrae.org/File%20Library/Technical%20Resources/ASHRAE%20Journal/2020JournalDocuments/72-74_IEQ_Schoen.pdf Recovery Readiness: A How-to Guide for Reopening Your Workplace, v.1 https://www.ashrae.org//File%20Library/Technical%20Resources/COVID-19/Recovery-Readiness_How-To-Guide_v1.pdf Scientific COVID-19 Guidance ASHRAE EPIDEMIC TASK FORCE – Date: 04/17/20 / https://www.ashrae.org//File%20Library/Technical%20Resources/COVID-19/ASHRAE-Scientific-C19-Guidance.pdf Healthcare COVID-19 Guidance – Date: 05/04/20 / https://www.ashrae.org/File%20Library/Technical%20Resources/COVID-19/ASHRAE-Scientific-C19-Guidance.pdf Position Document on Infectious Aerosols – Date: 04/14/20 / https://www.ashrae.org/File%20Library/About/Position%20Documents/PD_InfectiousAerosols_2020.pdf

Taylor Engineering

COVID-19 White Paper

https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Ftaylorengineers.com%2Fwp-content%2Fuploads%2F2020%2F05%2FTE-COVID19-White-Paper.pdf&data=02%7C01%7Cgrey.kupiec%40yale.edu%7C52062e5928b343516ace08d808b81ae2%7Cdd8cbebb21394df8b4114e3e87abeb5c%7C0%7C637268934414135351&sdata=Em4 AkpJo7RQREfNBQr%2FsDEzdL0rZY1ZMXqvir0c0b%2Bs%3D&reserved=0

ASHE (American Society for Health Care Engineering)

COVID-19 Resources for Health Care Facilities / https://www.ashe.org/COVID19resources

REHVA (Federation of European Heating, Ventilation and Air Conditioning Associations)

COVID-19 Guidance Document V2 / https://www.rehva.eu/