

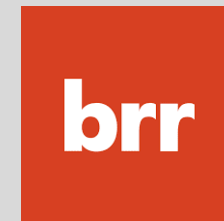


# *GETTING BACK IN THE GAME*

## DESIGN'S ROLE IN BRINGING FANS BACK TO VENUES

WEBINAR

# MEMBER FIRMS







# KATHY NELSON

PRESIDENT & CEO



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ENGINEERS





**GERARDO PRADO**

NATIONAL SPORTS PRACTICE LEADER

**HNTB**





# BIG 12 TOURNAMENT





# BIG 12 TOURNAMENT





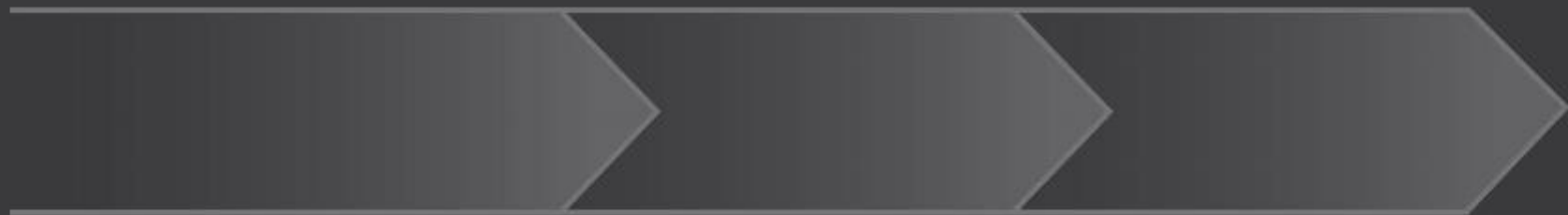
# BIG 12 TOURNAMENT





# KANSAS CITY MARATHON

# A phased approach to re-entry

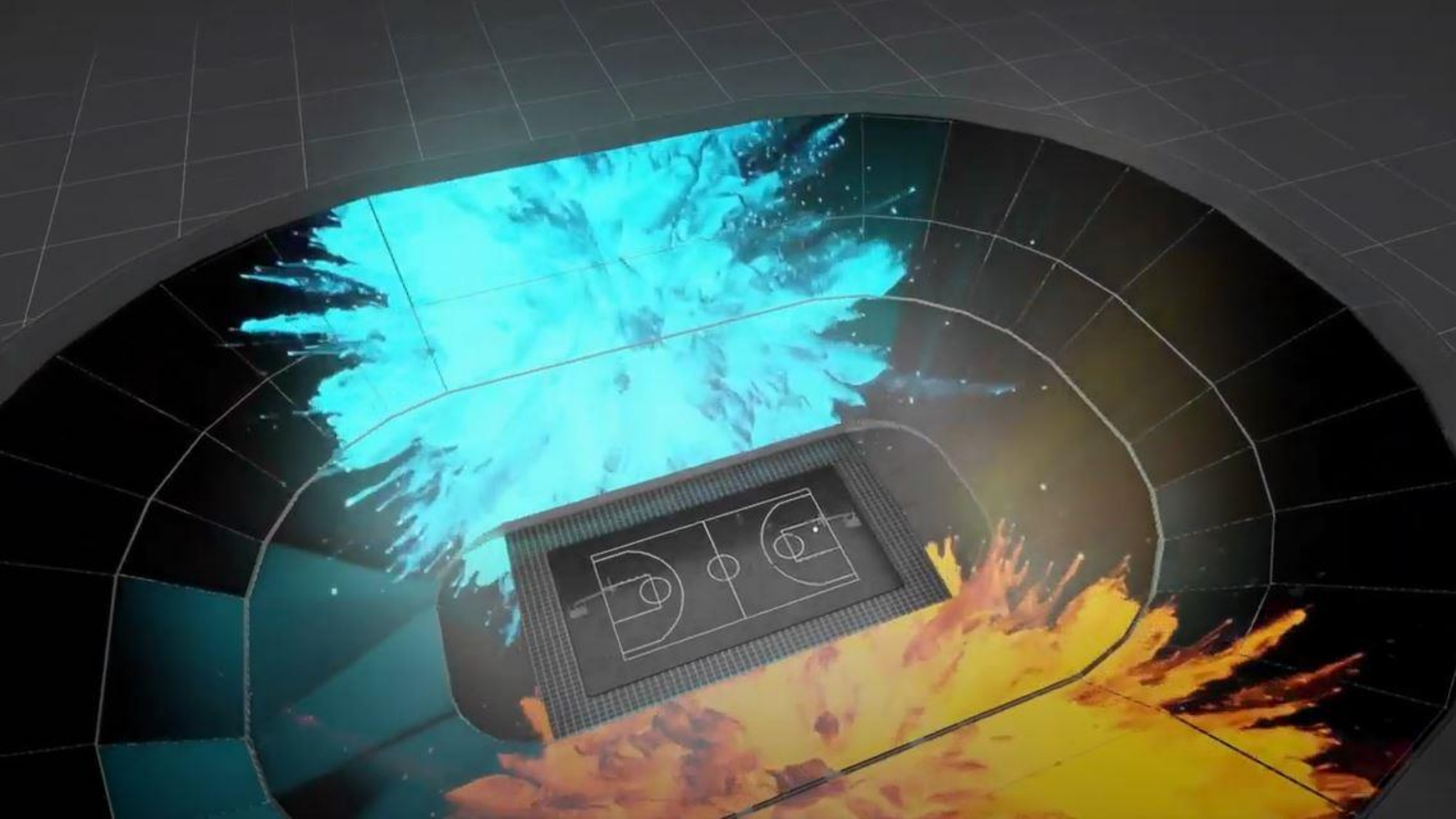


 PHASE 1 : LIVE EVENT, VIRTUAL FANS

 PHASE 2 : PARTIAL ATTENDANCE

 PHASE 3 : FULL ATTENDANCE









- 
- restaurant partnerships  
+ stadium inspired food
  - retail pop-up
  - community outreach





# *SPORT COVID-19 PLANNING*

## **SCALABLE PROTECTION**

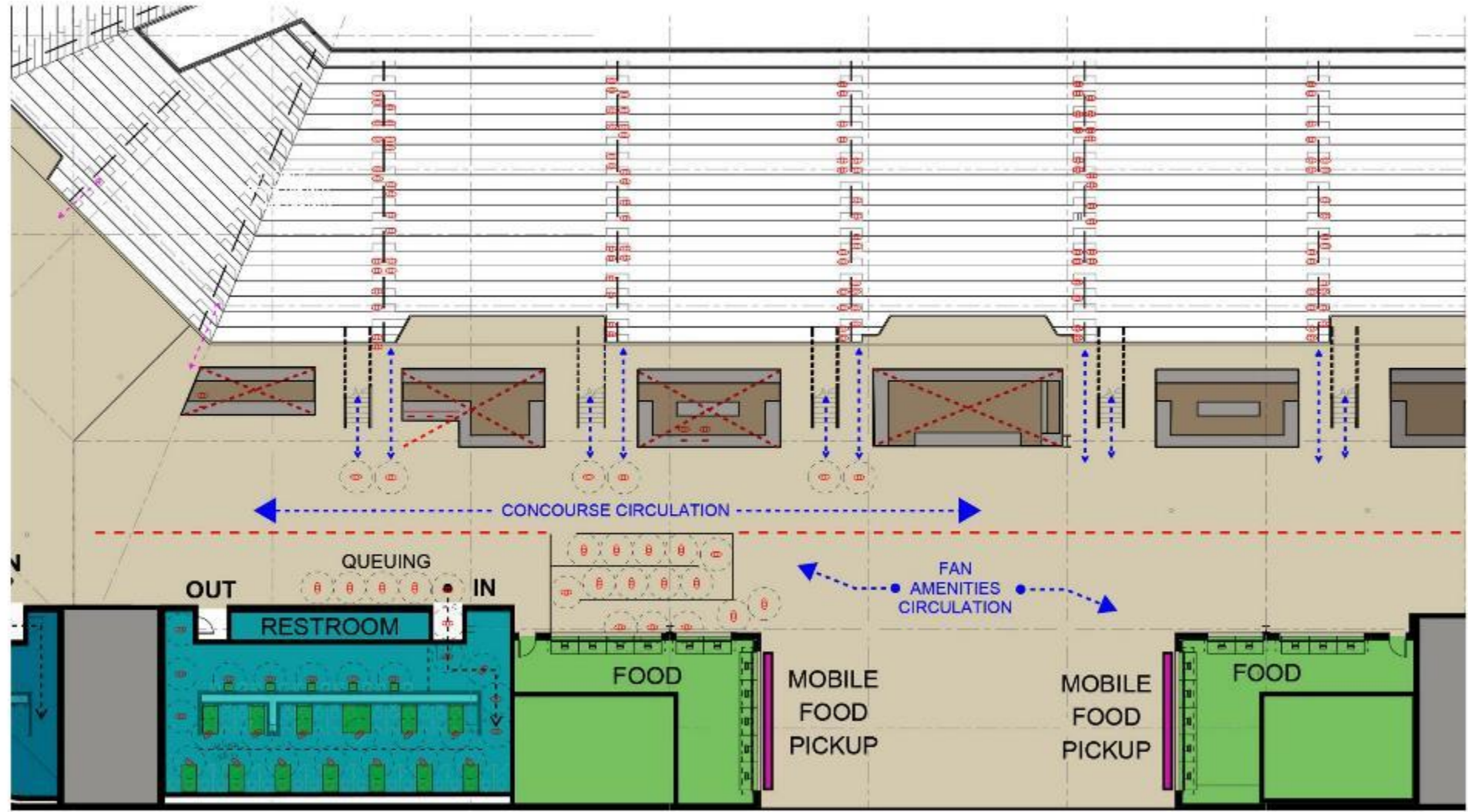
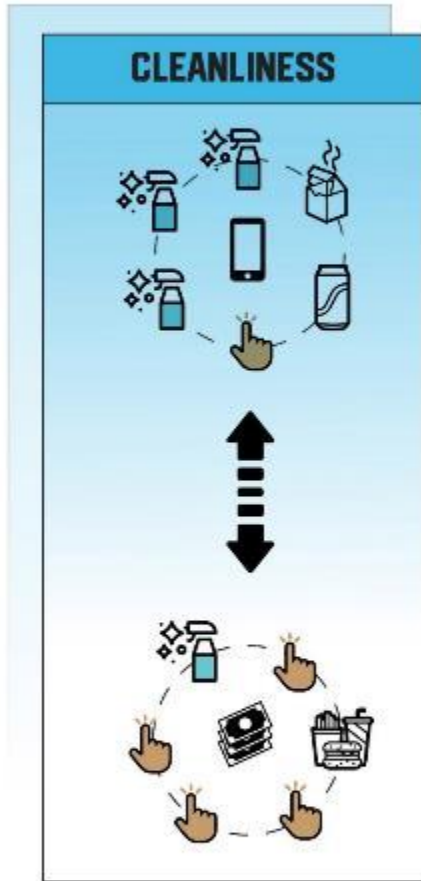


# SPRINT CENTER



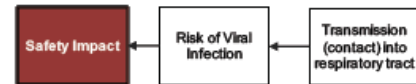


# BUILDING SYSTEMS DESIGN STRATEGIES



# HOW TO REDUCE THE RISK OF COVID-19 INFECTION THROUGH BUILDING DESIGN.

Transmission of COVID-19 in buildings requires two things — the active virus being present in sufficient quantity to cause infection and the transmission of that active virus into the respiratory tract of the person being infected. In public buildings, it's often difficult to control for the presence of the virus, but good design practices can work together to reduce the overall risk of infection.



## 3 Transmission Paths

Using the Cause Map diagram we are able to highlight the 3 potential transmission paths of a viral infection. Each path has different control opportunities (Solutions) that can reduce the risk of transmission. The 3 paths include:

### Surface Transmission

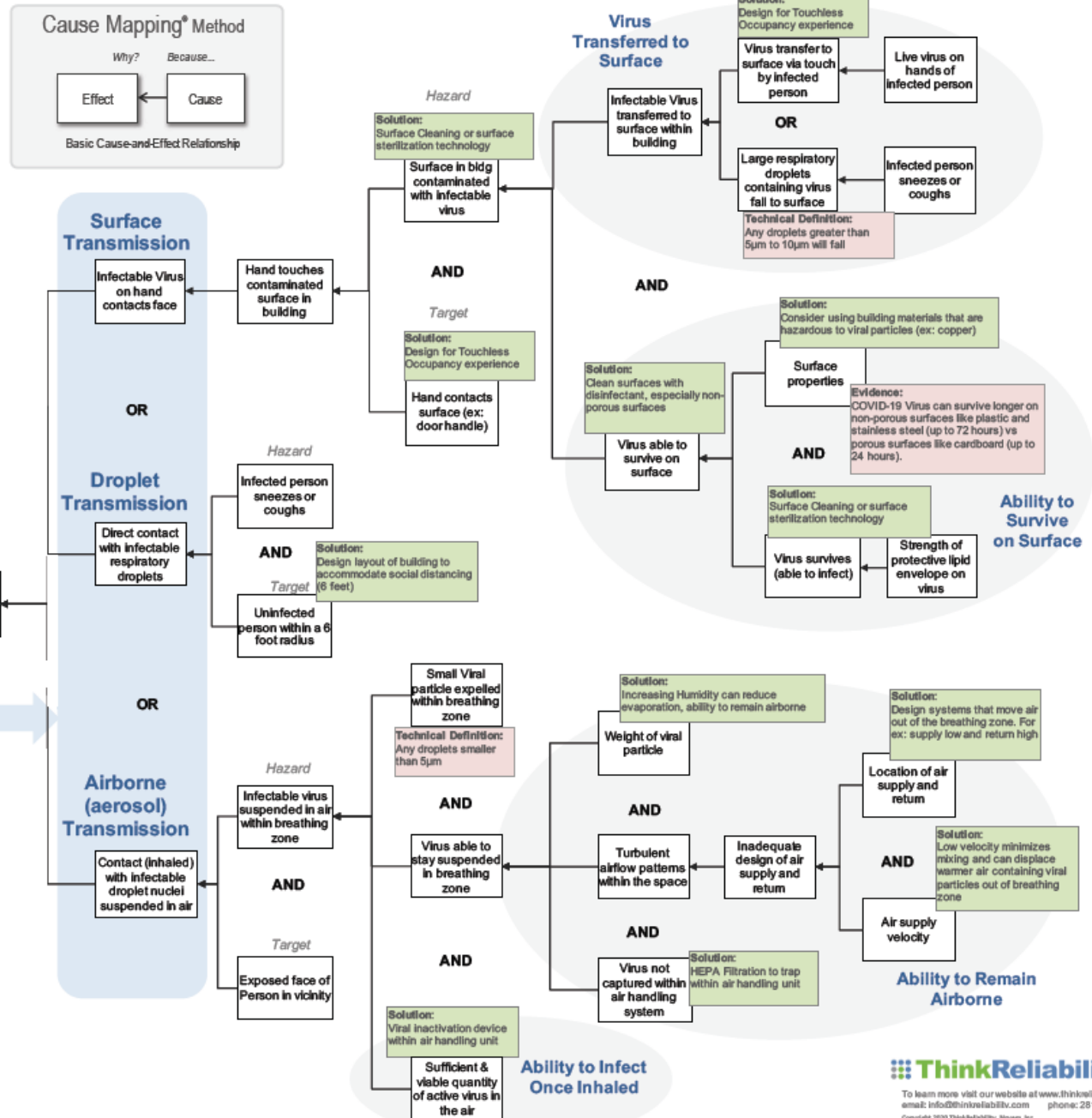
A person touches a contaminated surface and then inadvertently touches their face introducing the virus.

### Droplet Transmission

An infected person is talking, coughing, or sneezing within close contact of others. Large Respiratory droplets (greater than 5µm to 10µm) makes direct contact to infect.

### Airborne (aerosol) Transmission

An infected person is talking, coughing, or sneezing. The small respiratory droplets (less than 5µm to 10µm) remain suspended in air for a period of time and over greater distance.





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## Surface Transmission

Infectable virus on hand contacts face

**TOUCHLESS**

## Droplet Transmission

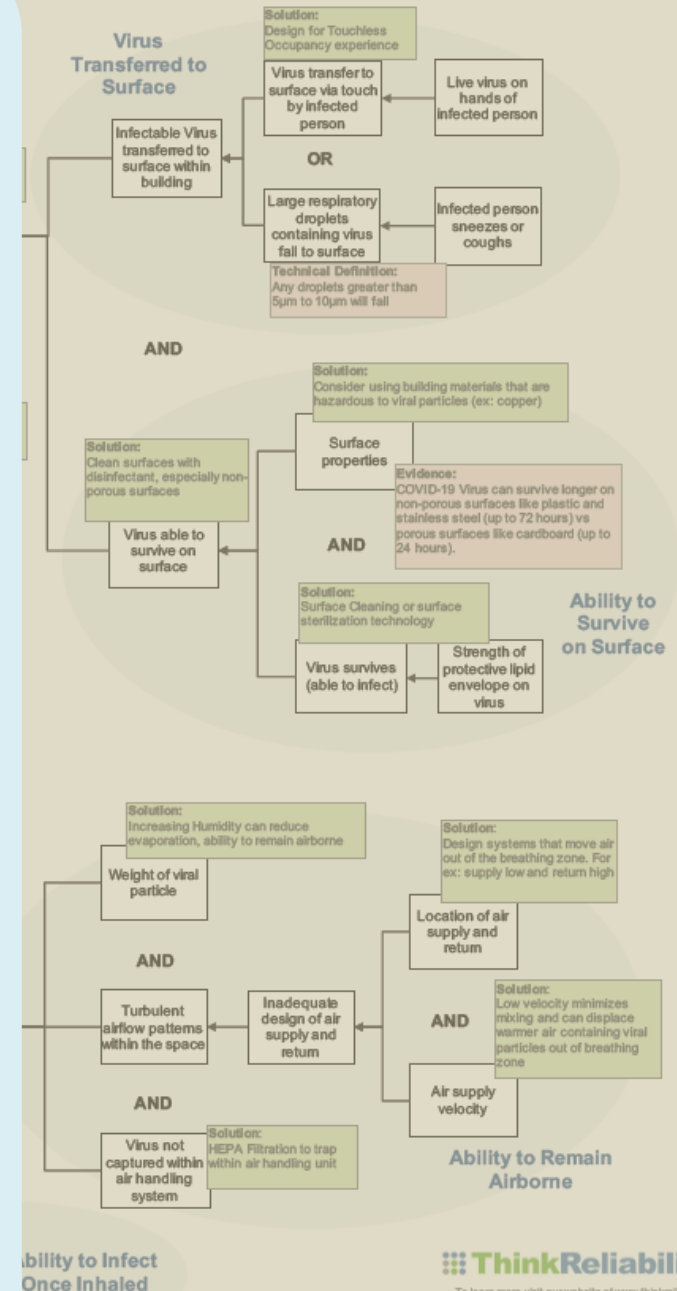
Direct contact with infectable respiratory droplets

**SOCIAL DISTANCING**

## Airborne Transmission

Contact (inhaled) with infectable droplet suspended in air

**HVAC / SYSTEMS**





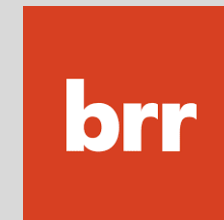
# FOOTBALL IN 1918





Q&A

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