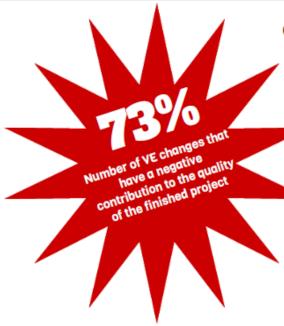
## By the Numbers

# Value Engineering



#### **Cast Iron or Plastic?**

A survey of 125 plumbing engineers found that value engineering Cast Iron DWV plumbing systems to Plastic may appear to be cost-effective at the loginning, but the end benefit is not always beneficial.

37.5%
of Cast Iron Soil Pipe to
PVC DWV VE changes
result in issues or
failures

## Why Cast Iron Soil Pipe

When asked the primary reasons for specifying a cast iron system, the top answers were...

History of positive results	82%
Sound Attenuation (Quieter)	80%
Longevity/Life of mointained systems	82%
Potential for water in system above 140°	51%

## **According to Plumbing Engineers**



80%



61%



63%

advise clients which VE changes make sense & which might lead to negative outcomes find that most VE requests are not in client's best interest are asked to accept VE changes that don't agree with recommendations