

Site 3 coLaboratory

An Interactive Art Proposal for Burning Man 2010

The Heart Machine

<http://www.site3.ca/projects/theheartmachine/>



FLAME EFFECT COMPONENTS

Artist Summary

Concept Artist: Christine Irving

Email: christine (dot) irving (at) gmail (dot) com

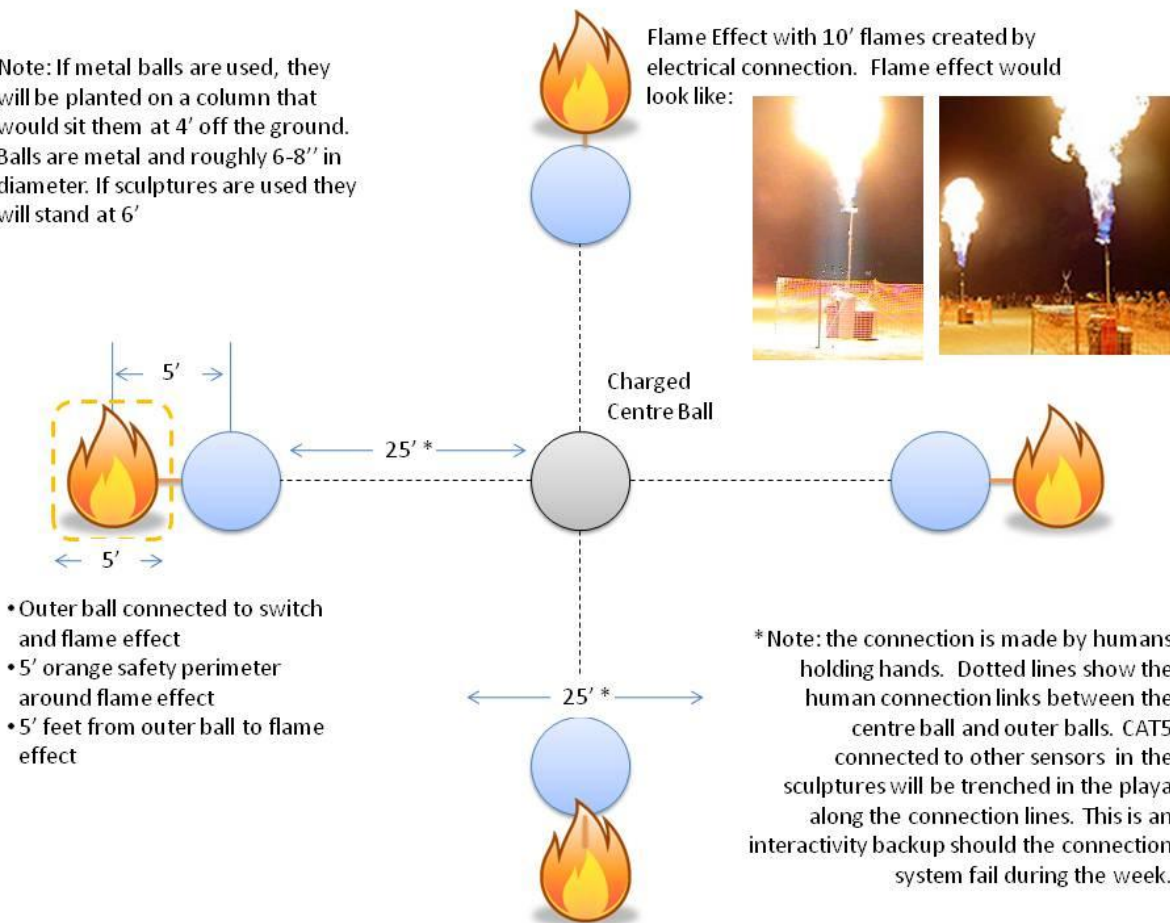
Location: Toronto, Ontario

BM Community: Toronto, BurnT

History: 9 Years at Burning Man and 2 years as co-lead for Toronto Decompression (TComp)

Top View of Layout and Perimeters

Note: If metal balls are used, they will be planted on a column that would sit them at 4' off the ground. Balls are metal and roughly 6-8'' in diameter. If sculptures are used they will stand at 6'



The possibilities are endless but the interaction is always all inclusive and encourages strangers to interact with each other. Imagine a lone burner walking by. She hears a group of people calling to her, beckoning her to come over and join them. When she approaches they explain they need her as the final link to create the connection. She joins in and a burst of flames lights up the night. More people come over to see what is going on. By the end of the play, new connections have been made within the heart machine.

Over the summer we will also design and test human sculptural elements that may replace the metal balls as a symbolic and intuitive interface paradigm. We will also design with interactive buttons as a backup interaction strategy.

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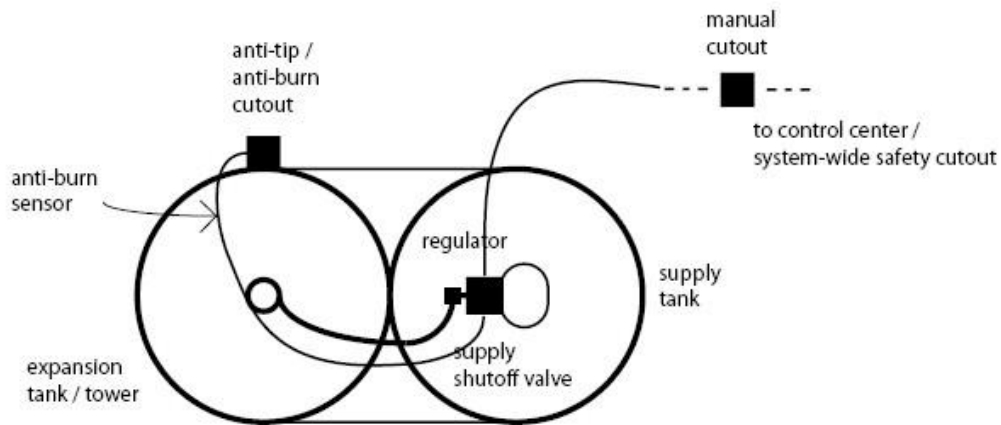
FLAME EFFECT COMPONENTS

Flame Effects Component Details

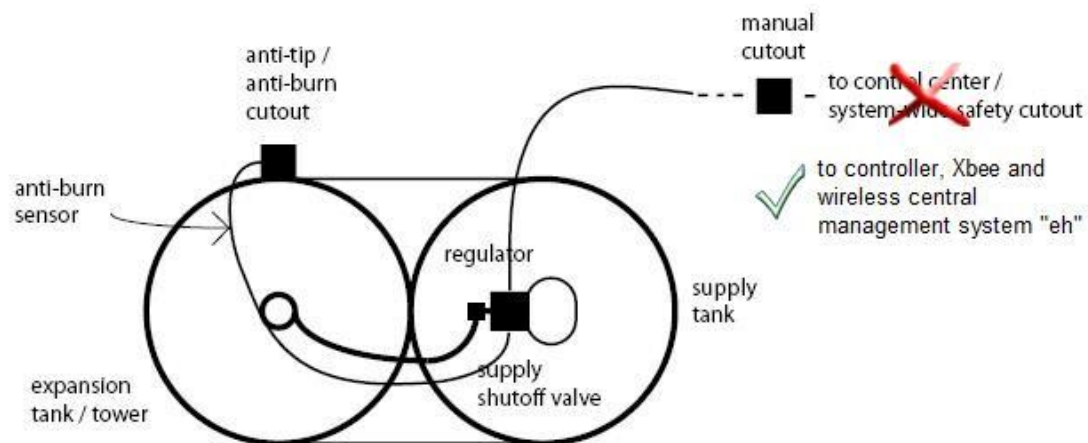
WE LOVE YOU BURNINATOR

Why mess with a good thing!?! Except to Canadianize it! The following component images are not ours. After our initial design we realized our flame effects look like Burninator. So with the exception of a few modifications of controllers and XBee wireless for effects, our flame effects will follow the Burninator model. The Burninator images are from <http://4bc.org/burninator>. Thanks!

Burninator Safety Tower Burninator Safety Tower



Burninator Safety Tower "Eh"



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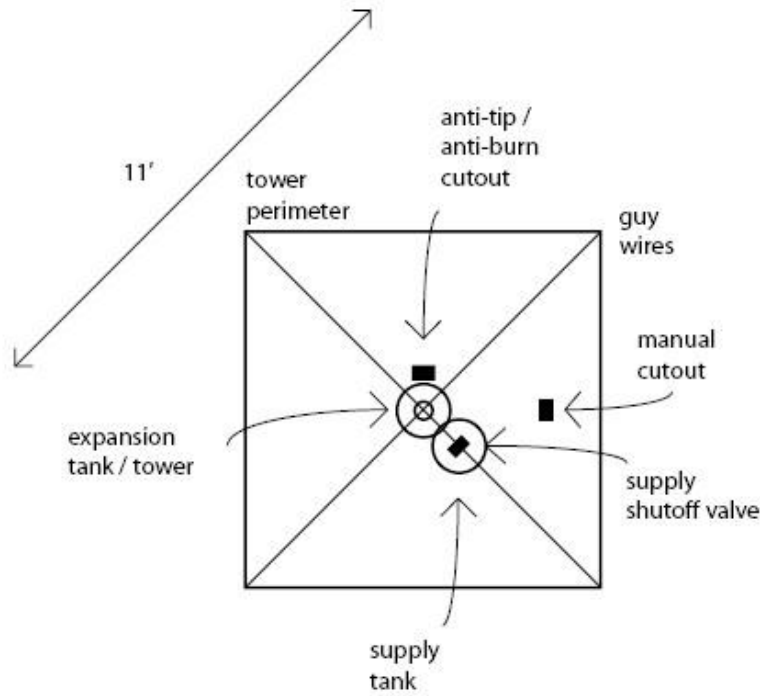
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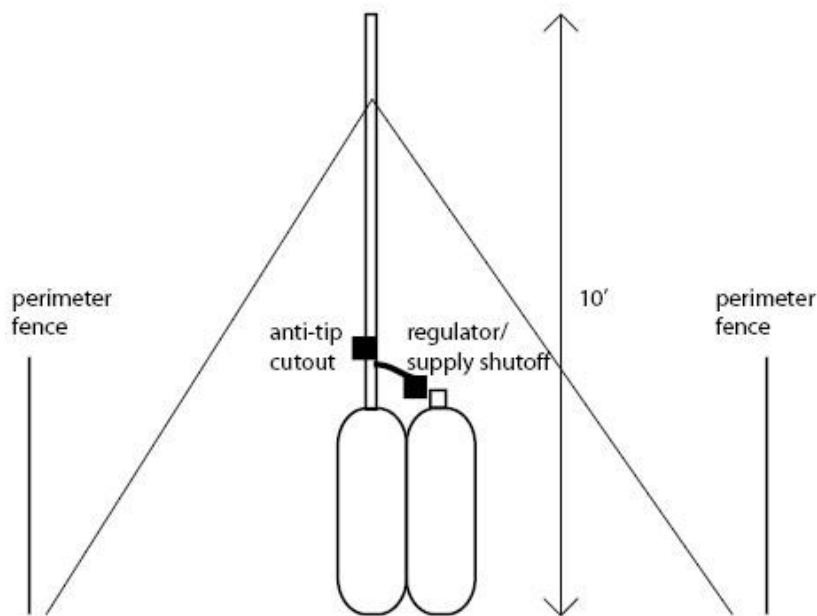


FLAME EFFECT COMPONENTS

Burninator Safety Perimeter



Burninator Safety Elevation



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FLAME EFFECT COMPONENTS

Safety

Another reason why we are keeping with the elegant design of the Burninator flame effect is that we can follow the tried, tested and Burning Man Artery approved safety plans. The existing safety plans of the Burninator will be enhanced for the Heart Machine. The full safety plan will be submitted and discussed before the event, with the safety procedures, mechanisms, and diagrams.

- instant shutdown mechanisms
- tip sensors
- automatic burn sensors with shutoff mechanisms
- remote controls
- coded identification of permitted operators
- electronic and computer lockouts of control mechanisms
- components are propane- and pressure-rated
- valves and other components are industrial-strength
- a trained safety crew is always present
- spotters are present to ensure towers are intact
- a safety bike is present to reach towers immediately
- towers have perimeters and are at a safe height
- the equipment is tested and inspected daily
- the system is locked out except during system engaged times and when crew is present

