

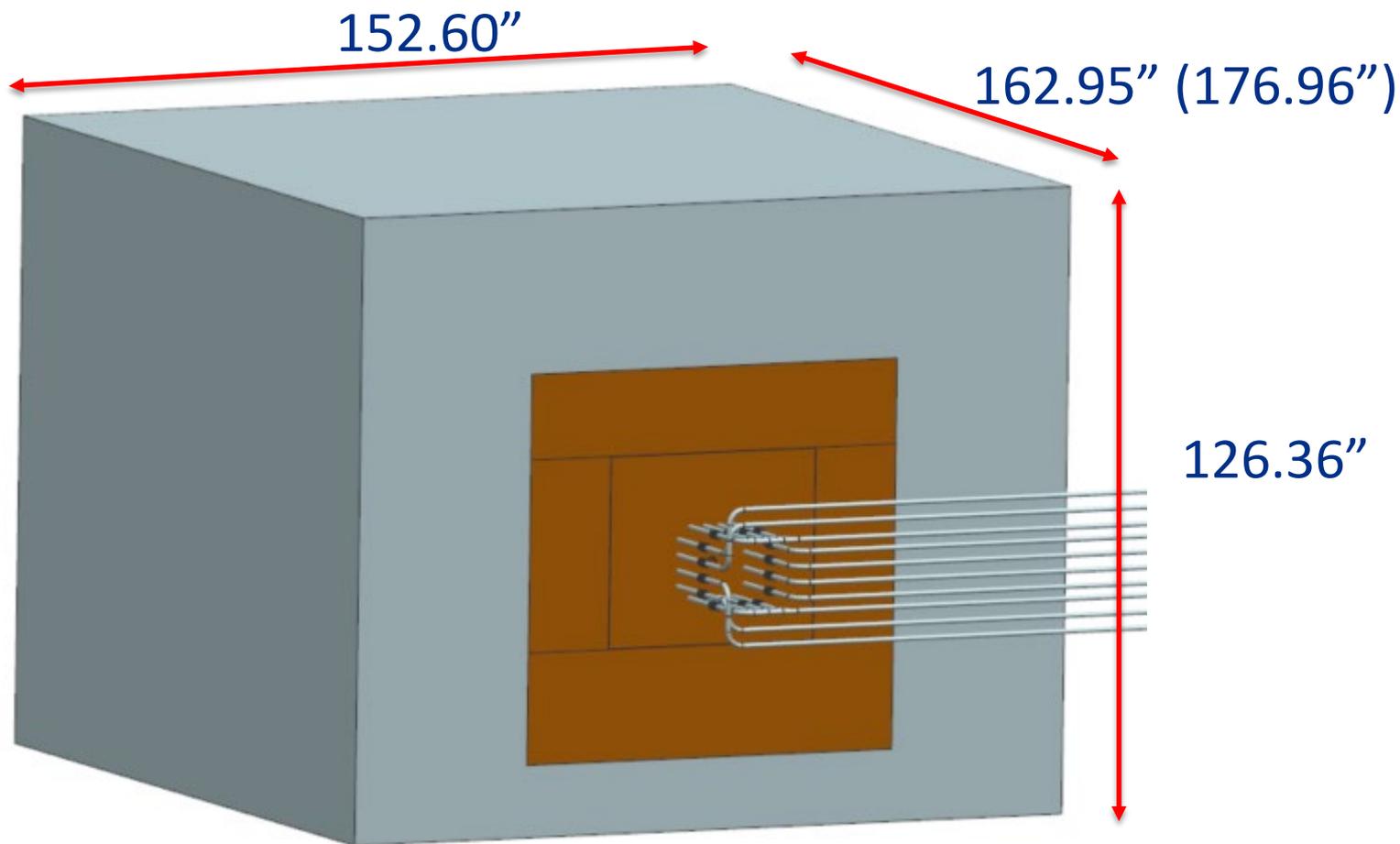


PIP II Hadron Dump Design Layout

Nnamdi Agbo

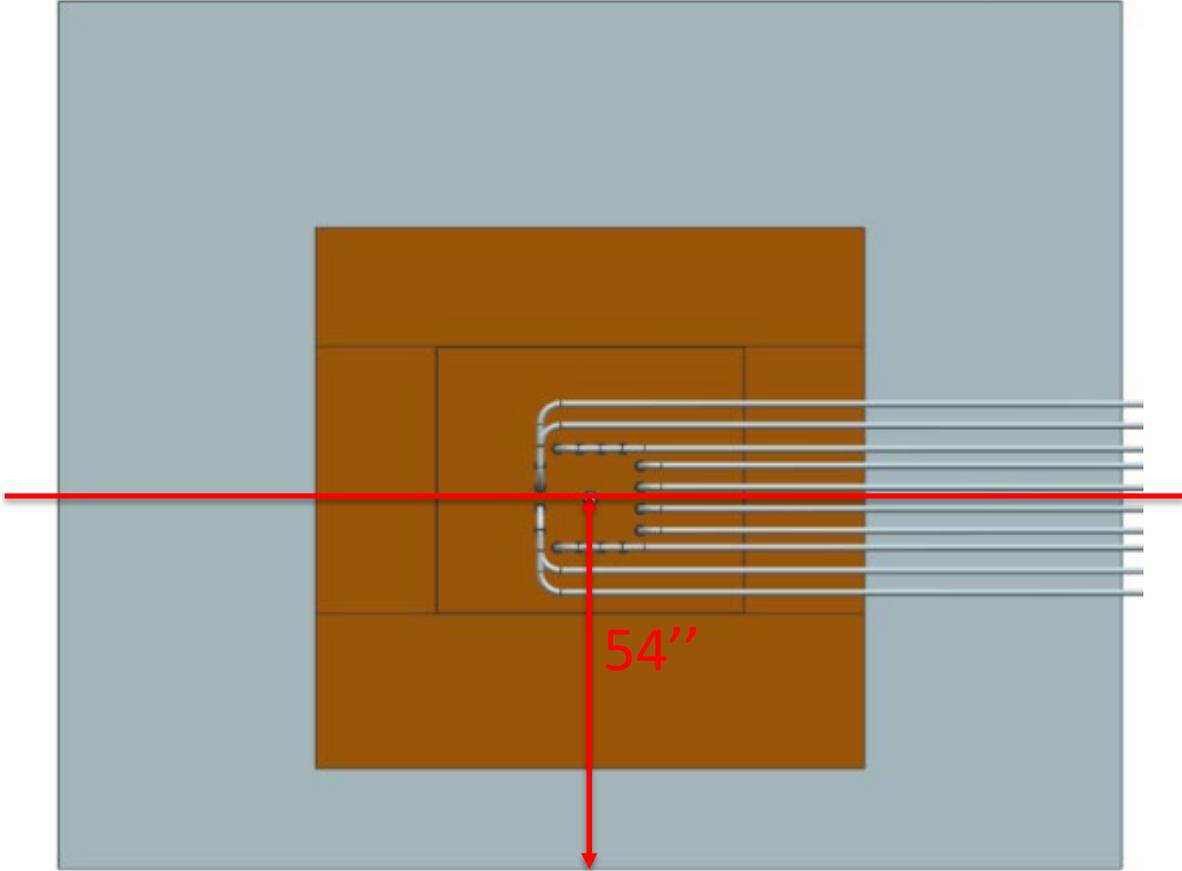
09/10/2020

Proposed Design Layout



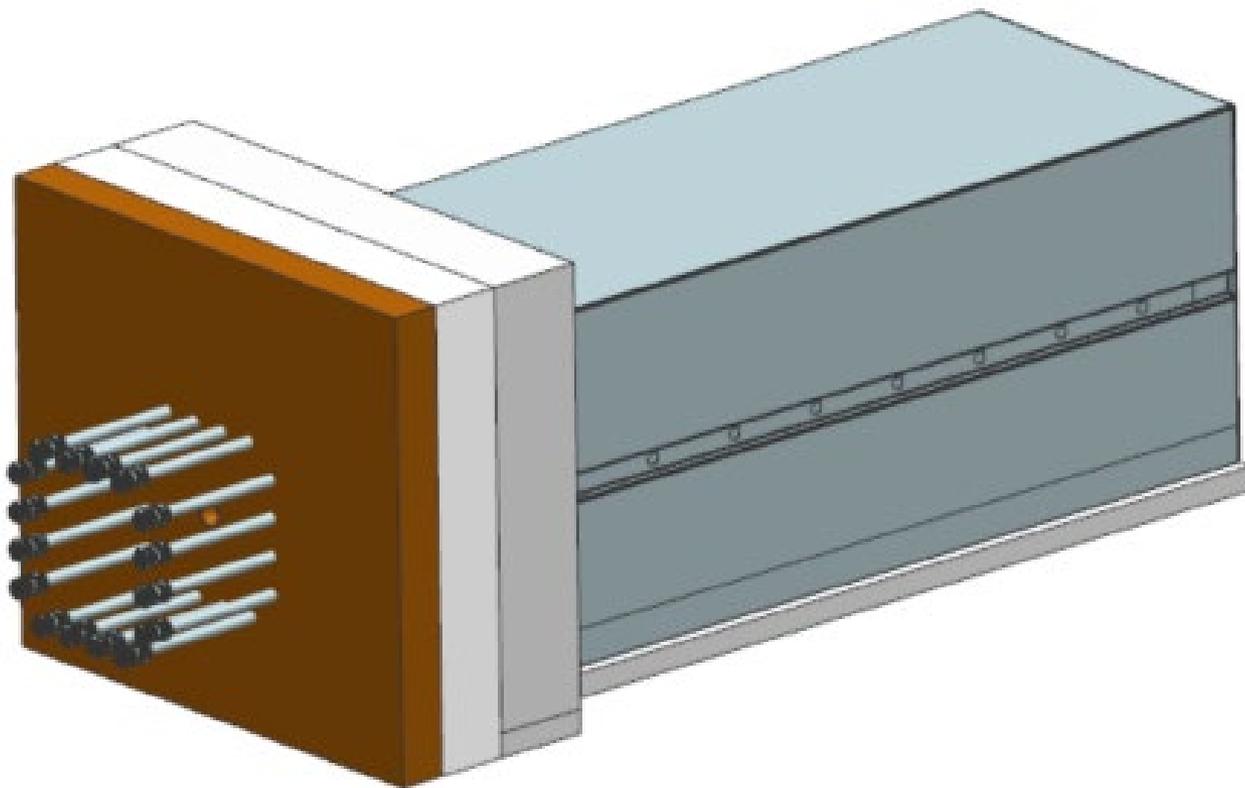
- The Current working CAD file is on Team center (F10142587)
- ** Number in parenthesis was the previous dimension.

Proposed Design Layout



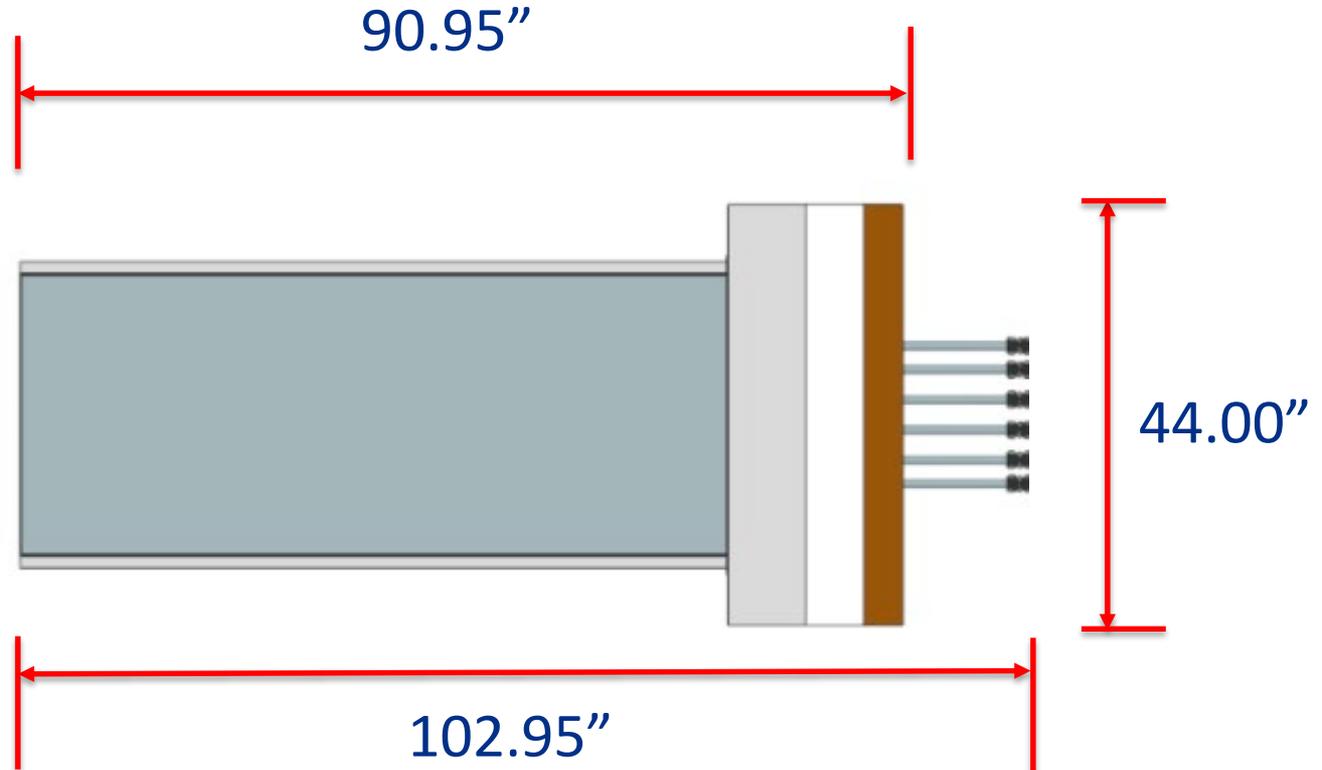
Distance from floor to beam line

Design Details



Core amount within a metal enclosure with 8" steel, 6" Polyethylene and 4" marble plug attached in front

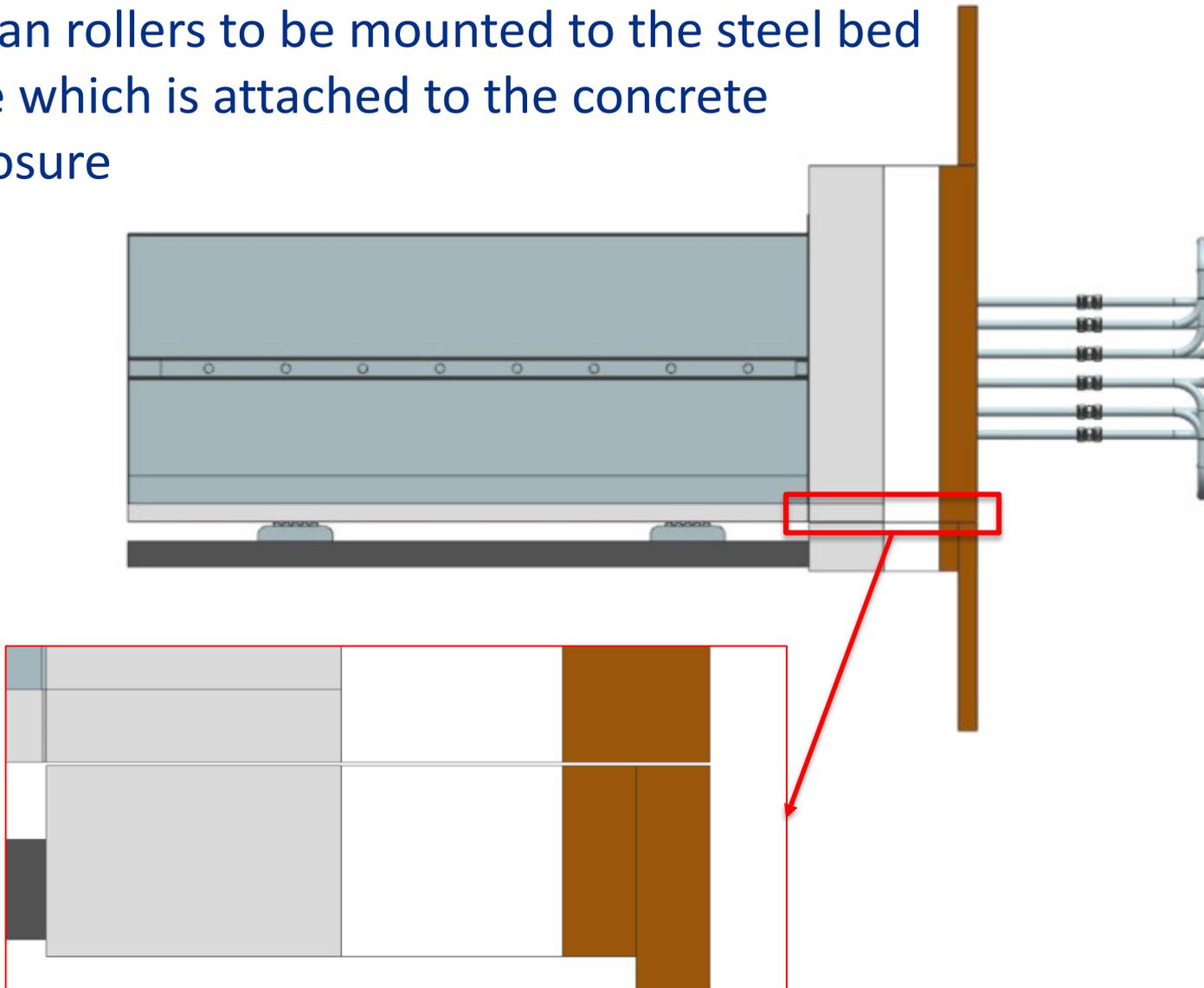
Proposed Design Layout



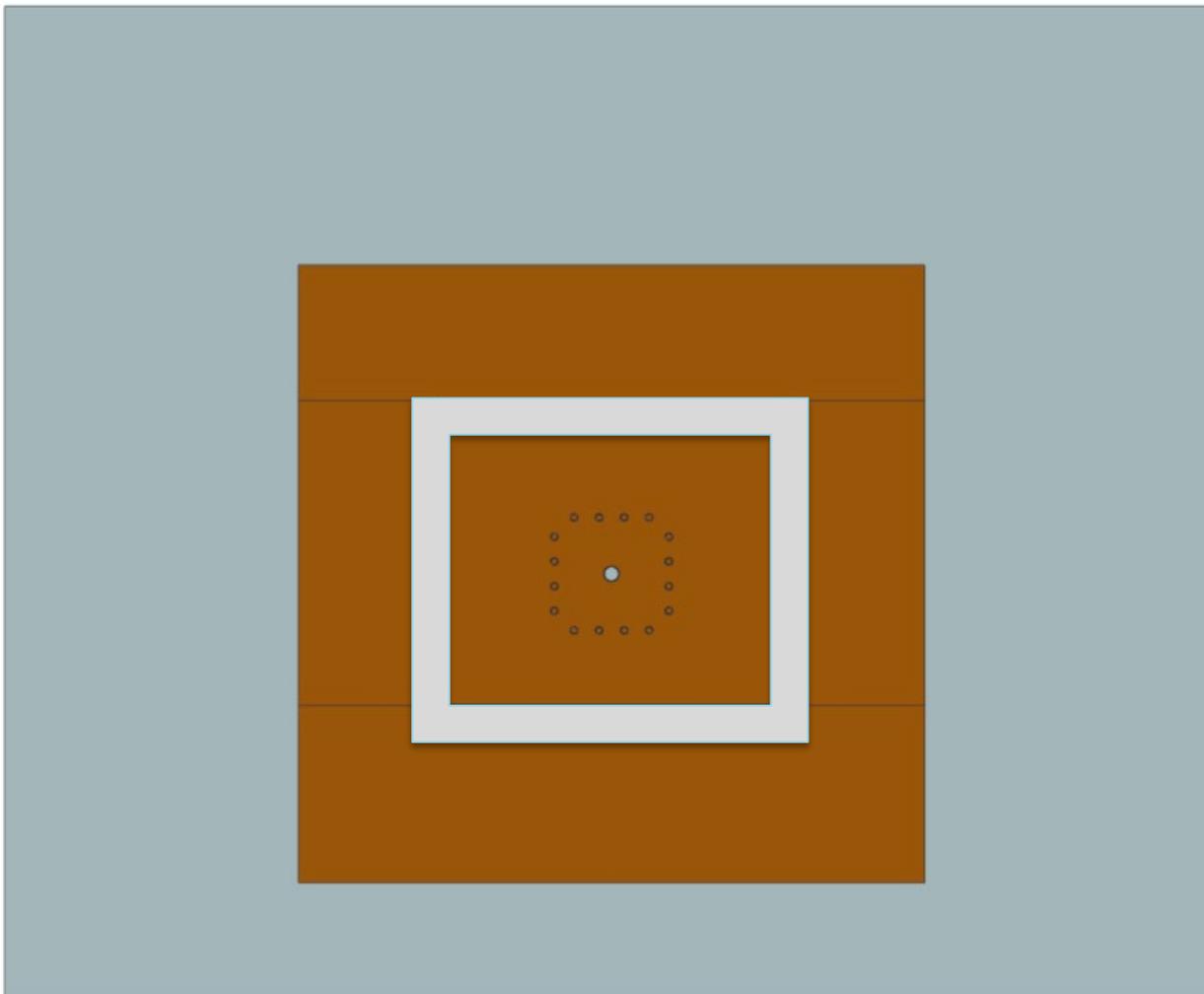
- Approximately 14" shorter in Length the previous design

Design Details

Hilman rollers to be mounted to the steel bed plate which is attached to the concrete enclosure

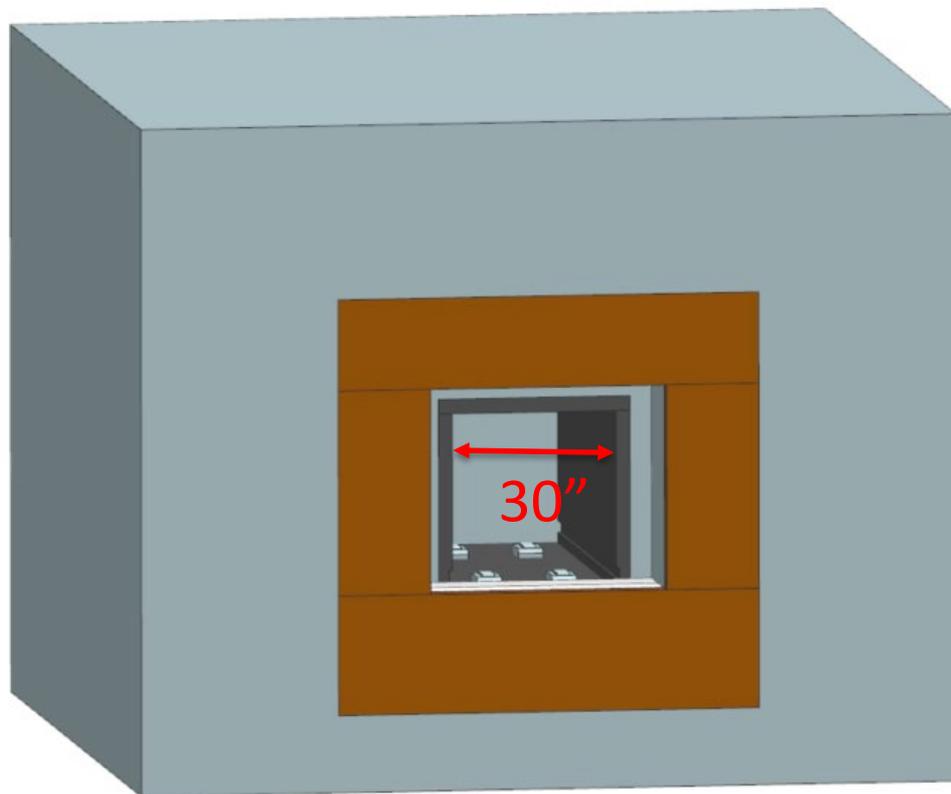


Design Details



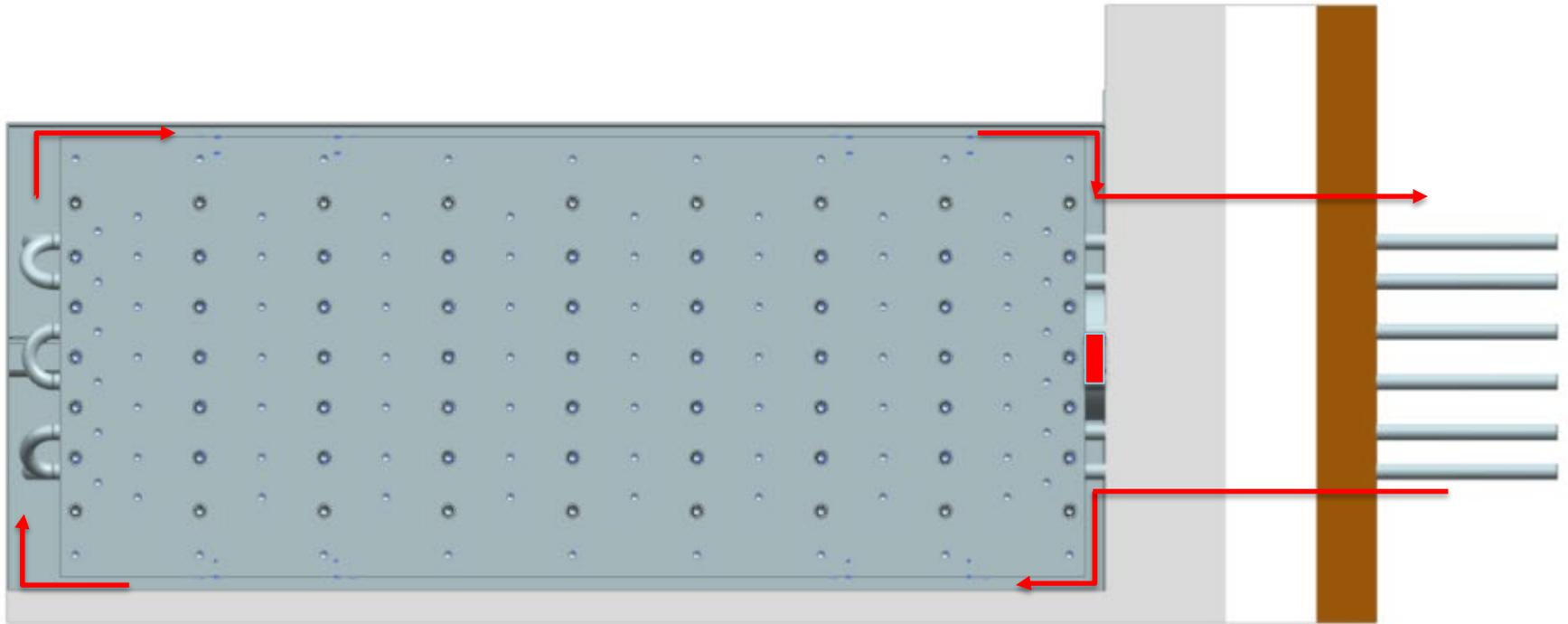
A thin sheet of aluminum or other materials to be used to seal gap.

Design Details



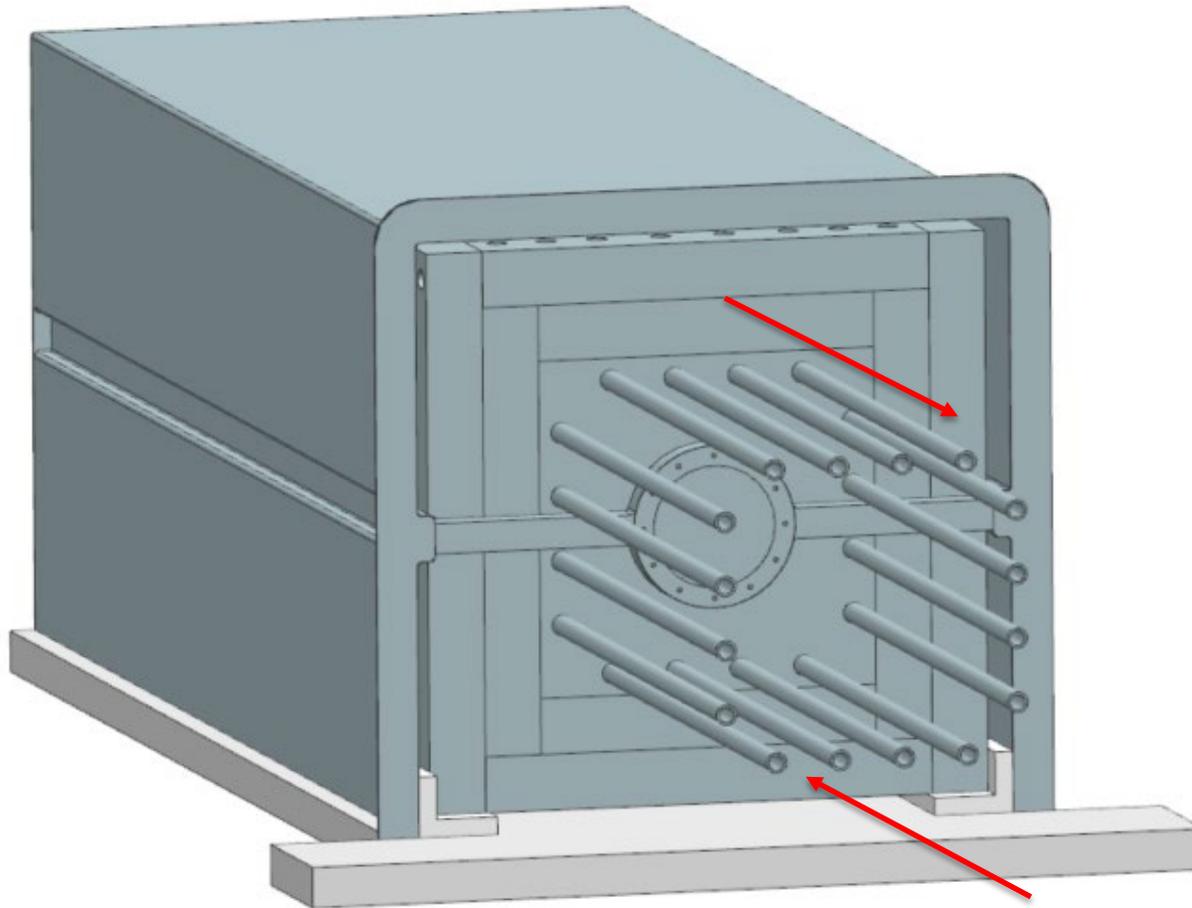
Major concern is working out an efficient initial installation procedure and future replacement procedure?

Design Details



- Restrictions to aid in air circulation around the core

Design Details



- The dimple on the metal and the space in front create flow restriction and force air to circulate around the core.