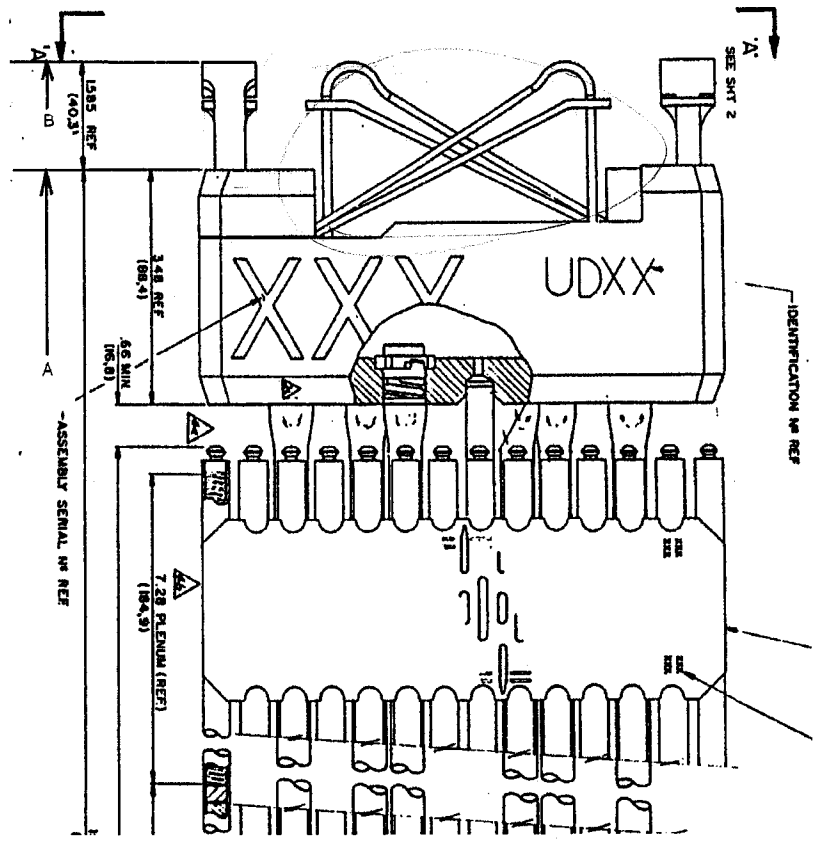
Design Fuel Length

- Fuel length:
  - Assembly Length

    A = 159.7
  - Leaf Spring Length

    B = 1.6
  - Total: 161.3 in.

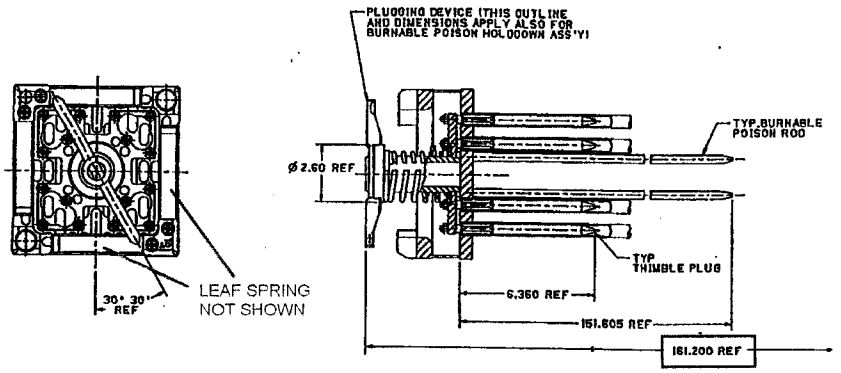


Enclosure 2 (1)

Design Fuel Length (cont.)

- Addition (or removal) of BPRA does not change fuel length
- Nominal design gap between fuel assembly and cask lid is then:

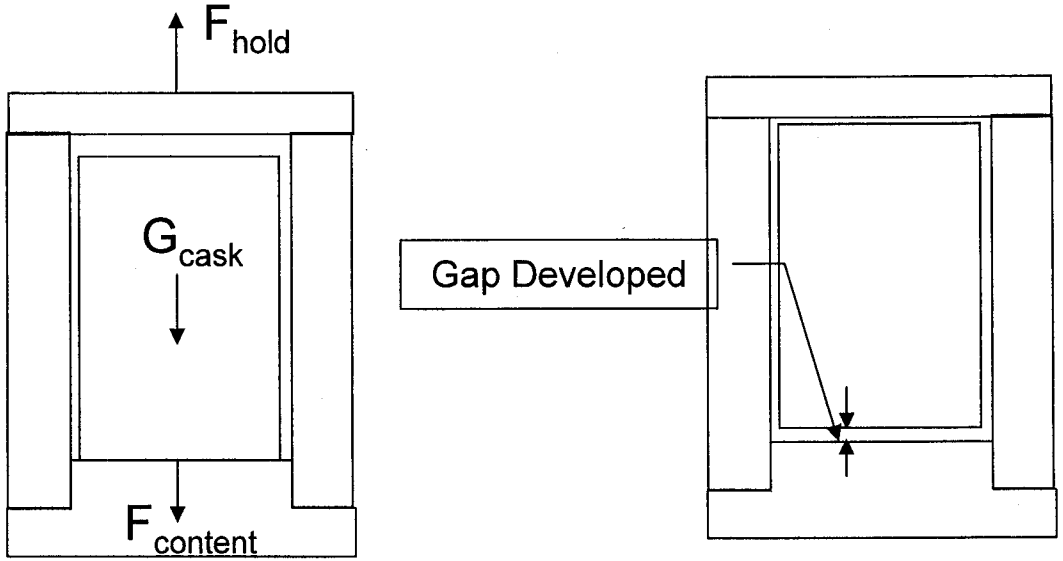
163 – 161.3 = 1.7 in.



Enclosure 2 (2)

Fuel Drop Analysis (1/2)

- Calculate max gap during 30 ft end drop
  - Assume that the internal contents are in contact before drop
  - The internal contents separate from the cask due to release of the cask
  - Calculate gap developed after 30 ft drop



Enclosure 2 (3)

Fuel Drop Analysis (2/2)

- Gaps of 0.04, 0.5, and 1.0 in between the pin and cask are evaluated
- Files will be provided for 0.5 in 1.0 in gap analysis
- Analyses will be performed if the gaps are not sufficient

Enclosure 2 (4)