Find the H inside of the exterior conduction
berec

· Surface area of

$$A = T \left( c^2 - b^3 \right).$$

$$Z : j = \frac{I}{A} = \frac{I}{T \left( c^2 - b^2 \right)}$$

$$\begin{cases}
\vec{H} \cdot d\vec{e} = \vec{J} \cdot encl \\
\vec{H} \phi = \vec{J} \cdot r = \vec{J} \cdot \vec{J}$$

At h=b -> Hp=0

At h=b -> Hp= 
$$\frac{1}{2\pi b}$$