Here are a construction axiom and an induction axiom for bunch $bad$.

$(\forall n : \text{nat} \cdot \neg n : bad) : bad$

$(\forall n : \text{nat} \cdot \neg n : B) : B \Rightarrow bad : B$

(a) Are these axioms consistent?

(b) From these axioms, can we prove the fixed-point equation

$bad = \forall n : \text{nat} \cdot \neg n : bad$

§ Yes, we can prove anything from them.