```
sfa_doc_guarded_typing  THM

⊢  ∀A:Prop, B:Type(given A). B(given A) ∈ Type
| by AndToCandLocal Auto THEN ←Def of Prop THEN (2) ←Def of Prop
|
1. A : Prop
2. B : Prop(given A)
3. A
⊢  B ∈ Prop  by B ∈ Prop(given A)  Asserted
|
4. B ∈ Prop(given A)
⊢  B ∈ Prop  by Rename3: a THEN Witness4: a
END
```