```
trace_consistent_wf  THM

⊢  ∀rho:Decl, t:Term, da:Collection(dec()), R:(Label→Label→𝔹).
|  trace_consistent(rho;da;R;t) ∈ Prop
| by Unfold ‘trace_consistent‘ 0 THEN Auto
|
.....subterm .....
1. rho : Decl
2. t : Term
3. Collection(dec())
4. Label→Label→𝔹
5. g : Label
6. term_mentions_guard(g;t)
⊢  rho ∈ Label→Type  by Fold ‘decl‘ 0 THEN Auto
END
```