```
mkgraphobj_wf  THM

⊢  For any graph
   ∀eq:(V→V→𝔹), eqw:(∀x,y:V. eq(x,y) ⟺ x = y), eacc:(∩T:Type.
                                                      (T→V→T)→T→
                                                      V→T)
   , eaccw:(∀T:Type, s:T, x:V, f:(T→V→T).
            ∃L:V List.
            (∀y:V. x-the_graph->y ⟺ (y ∈ L))
            & eacc(f,s,x) = list_accum(s',x'.f(s',x');s;L))
   , vacc:(∩T:Type. (T→V→T)→T→T)
   , vaccw:(∀T:Type, s:T, f:(T→V→T).
            ∃L:V List.
            no_repeats(V;L)
            & (∀y:V. (y ∈ L))
            & vacc(f,s) = list_accum(s',x'.f(s',x');s;L))
   , other:Top.
   mkgraphobj(eq, eqw, eacc, eaccw, vacc, vaccw, other)
   ∈ GraphObject(the_graph)
  by (Unfolds [`graphobj`;`mkgraphobj`] 0)
     THEN
     (AllHyps (λh.IsectHD T h))
END
```