Design a database to keep track of information for an art museum. Assume that the following requirements were collected:

* + The museum has a collection of ART\_OBJECTs. Each ART\_OBJECT has a unique IdNo, an Artist (if known), a Year (when it was created, if known), a Title, and a Description. The art objects are categorized in several ways as discussed below.
  + ART\_OBJECTs are categorized based on their type. There are three main types: PAINTING, SCULPTURE, and STATUE, plus another type called OTHER to accommodate objects that do not fall into one of the three main types.
  + A PAINTING has a PaintType (oil, watercolor, etc.), material on which it is DrawnOn (paper, canvas, wood, etc.), and Style (modern, abstract, etc.).
  + A SCULPTURE has a Material from which it was created (wood, stone, etc.), Height, Weight, and Style. And a STATUE has some similar characters.
  + An art object in the OTHER category has a Type (print, photo, etc.) and Style.
  + ART\_OBJECTs are also categorized as PERMANENT\_COLLECTION that are owned by the museum (which has information on the DateAcquired, whether it is OnDisplay or stored, and Cost) or BORROWED, which has information on the Collection (from which it was borrowed), DateBorrowed, and DateReturned.
  + ART\_OBJECTs also have information describing their country/culture using information on country/culture of Origin (Italian, Egyptian, American, Indian, etc.), Epoch (Renaissance, Modern, Ancient, etc.).
  + The museum keeps track of ARTIST’s information, if known: Name, DateBorn, DateDied (if not living), CountryOfOrigin, Epoch, MainStyle, Description. The Name is assumed to be unique.
  + Different EXHIBITIONs occur, each having a Name, StartDate, EndDate, and is related to all the art objects that were on display during the exhibition.
  + Information is kept on other COLLECTIONs with which the museum interacts, including Name (unique), Type (museum, personal, etc.), Description, Address, Phone, and current ContactPerson.

Draw an EER schema diagram for this application. Discuss any assumptions you made, and that justify your EER design choices.