**Physical Schema (Version 1.0)**

**Based on: Optimized Logical Schema Version 1**

**Changes Made for Physical Design:**

No changes were needed when converting from an optimized logical schema to a physical schema. Joins are required to compile purchase orders; however all tables are directly joinable.

**Physical Schema:**

Employee(EmplID, Name\*, Street, City, Zip, State, Department\*)

Department references Dempatment.Name

Department(Name, Manager\*)

Manager references Employee.EmpID

Order(OrderID, Manager\*, OrderDate\*, Vendor\*)

Vendor references Vendor.Name

OrderDetail(OrderID, ItemName, Quantity\*, TotalPrice\*)

OrderID references Order.OrderID

ItemName references Inventory.ItemName

Inventory(ItemName, VendorName, Price\*)

VendorName references Vendor.Name

Vendor(Name, Phone\*)