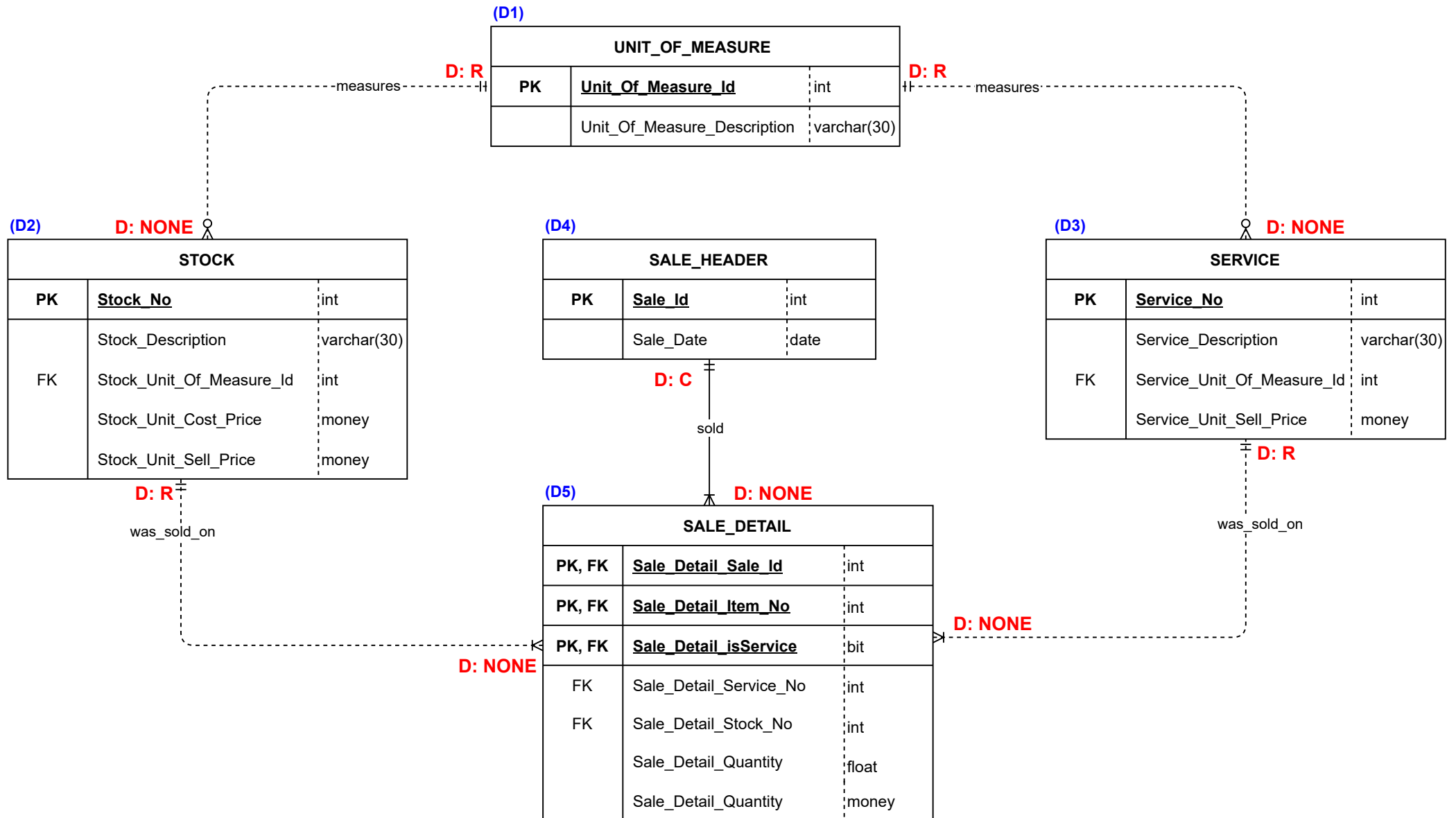


Physical Data Model

With Entities, Attributes, PK's, FK's, Relationships, Referential Integrity, 3NF + Efficient design



MS SQL CONSTRAINTS:

Implementing Domain & Referential Integrity

(D5)

[CK_Sale_Detail_IsService]

([Sale_Detail_Stock_No] IS NULL AND [Sale_Detail_isService]=(1) OR [Sale_Detail_Service_No] IS NULL AND [Sale_Detail_isService]=(0))

[CK_Sale_Detail_Quantity: No Negative Values]

([Sale_Detail_Quantity]>(0))

[CK_Sale_Detail_Unit_Price: No Negative Values]

([Sale_Detail_Unit_Price]>(0))

FK_Sale_Detail_Sale_Header

Delete Rule: Cascade

(D4)

[DF_Sale_Header_Date_Today]

(getdate())

(D3)

[CK_Services_Service_Description: No Empty Strings]

([Service_Description]<>'')

[CK_Services_Unit_Sell_Price: No Negative Values]

([Service_Unit_Sell_Price]>(0))

[CK_Services_Unique]

(UNIQUE([Service_Description], [Service_Unit_Of_Measure_Id]))

(D2)

[CK_Stock: Unit SP > Unit CP]

([Stock_Unit_Sell_Price]>[Stock_Unit_Cost_Price])

[CK_Stock_Description: No Empty Strings]

([Stock_Description]<>'')

[CK_Stock_Unit_Cost_Price: No Negative Values]

([Stock_Unit_Cost_Price]>(0))

[CK_Stock_Unit_Sell_Price: No Negative Values]

([Stock_Unit_Sell_Price]>(0))

[CK_Stock_Unique]

(UNIQUE([Stock_Description], [Stock_Unit_Of_Measure_Id]))

(D1)

[CK_Unit_Of_Measure_Description: No Empty String]

([Unit_Of_Measure_Description]<>N")