MANAGER_MASTER

WAREHOUSE_MASTER — MANAGER_ID
- WAREHOUSE_ID
- WAREHOUSE_NAME   t
- WAREHOUSE_ADDRESS
- MANAGER_ID
- BIN_NUMBER

WAREHOUSE_ID

MANAGER_MASTER
- MANAGER_ID
- WAREHOUSE_ID   t
- EMPLOYEE_NUMBER   #

EMPLOYEE_MASTER
- FIRSTNAME   t
- MIDDLENAME   t t
- LASTNAME   t
- PHONENUMBER   #
- SALARY   #
- JOB   t
- MANAGER_ID   #
- WAREHOUSE_ID
- EMPLOYEE_NUMBER

CURRENT_BACKORDER
- PART_NUMBER   t
- ORIGNAL_QUNTITY   #
- REMAINING_QUNATITY   #
- BACKORDER_DATE   d
- MANAGER_ID
- BACKORDER_ID   #
- WAREHOUSE_ID

WAREHOUSE_ID

BIN_NUMBER

WAREHOUSE_ID

BIN_DETAILS
- BIN_NUMBER
- WAREHOUSE_ID
- BIN_CAPACITY   #

BATCH_MASTER — MANAGER_ID
- BATCH_NUMBER
- BATCH_ARRIVAL_DATE d
- MANAGER_ID
- WAREHOUSE_ID

EMPLOYEE_NUMBER

EMPLOYEE_ADDRESS
- STREET_NUMBER   t
- EMPLOYEE_NUMBER
- STREETNAME   t
- CITY   t t
- PROVINCE   t

BIN_NUMBER

BATCH_NUMBER

BATCH_NUMBER

ITEM_MASTER
- ITEM_NUMBER   t
- PART_NUMBER
- BATCH_NUMBER
- DATE_OUT   d
- CHECK_OUT   d
- BIN_NUMBER

PART_NUMBER

PART_MASTER
- PART_NUMBER
- SUB_PART_NUMBER   t
- ASSEMBLY_NUMBER   t
- BATCH_NUMBER

Default Layout

Table BATCH_MASTER

Unq	BATCH_NUMBER	number(5)
	BATCH_ARRIVAL_DATE	date
	MANAGER_ID	number(5)
	WAREHOUSE_ID	varchar2(5)

Indexes

Unq	PK_BATCH_MASTER	BATCH_NUMBER

Foreign Keys

FK_BATCH_IN_WAREHOUSE (WAREHOUSE_ID) ref WAREHOUSE_MASTER (WAREHOUSE_ID)

FK_BATCH_MANAGER (MANAGER_ID) ref MANAGER_MASTER (MANAGER_ID)

Table BIN_DETAILS

Unq	BIN_NUMBER	number(5)
	WAREHOUSE_ID	varchar2(4)
	BIN_CAPACITY	number

Indexes

Unq	PK_BIN_DETAILS	BIN_NUMBER

Table CURRENT_BACKORDER

	PART_NUMBER	varchar2(5)
	ORIGNAL_QUNTITY	number(5)
	REMAINING_QUNATITY	number(5)
	BACKORDER_DATE	date
	MANAGER_ID	number(5)
Unq	BACKORDER_ID	number
	WAREHOUSE_ID	varchar2(4)

Indexes

Unq	PK_CURRENT_BACK_0	BACKORDER_ID

Foreign Keys

FK_BACKORDER_IN_WAREHOU (WAREHOUSE_ID) ref WAREHOUSE_MASTER (WAREHOUSE_ID)

FK_BACKORDER_MANAGE_BY (MANAGER_ID) ref MANAGER_MASTER (MANAGER_ID)

Table EMPLOYEE_ADDRESS

	STREET_NUMBER	varchar2(6)
	EMPLOYEE_NUMBER	number(5)
	STREETNAME	varchar2(10)
	CITY	varchar2(24)
	PROVINCE	varchar2(4)

Foreign Keys

FK_EMPLOYEE_ADDRESSES (EMPLOYEE_NUMBER) ref EMPLOYEE_MASTER (EMPLOYEE_NUMBER)

Table EMPLOYEE_MASTER

	FIRSTNAME	varchar2(10)
	MIDDLENAME	varchar2(10)
	LASTNAME	varchar2(20)
*	PHONENUMBER	number(9)
	SALARY	number(9,3)
	JOB	varchar2(25)
	MANAGER_ID	number(5)
	WAREHOUSE_ID	varchar2(4)
Unq	EMPLOYEE_NUMBER	number(5)

Table EMPLOYEE_MASTER

	Indexes		
Unq	PK_EMPLOYEE_MAS	EMPLOYEE_NUMBER	
	Foreign Keys		
	FK_EMPLOYEE_WORK_WAREHO (WAREHOUSE_ID) ref WAREHOUSE_MASTER (WAREHOUSE_ID)		

Table ITEM_MASTER

Unq	ITEM_NUMBER	varchar2(5)	
*	PART_NUMBER	varchar2(5)	
	BATCH_NUMBER	number	
	DATE_OUT	date	
	CHECK_OUT	date	
	BIN_NUMBER	number(5)	
	Indexes		
Unq	PK_ITEM_MASTER	ITEM_NUMBER	
	Foreign Keys		
	FK_ITEM_IN_PART (PART_NUMBER) ref PART_MASTER (PART_NUMBER)		
	FK_ITEM_IN_BATCH (BATCH_NUMBER) ref BATCH_MASTER (BATCH_NUMBER)		
	FK_ITEM_IN_BIN_DET (BIN_NUMBER) ref BIN_DETAILS (BIN_NUMBER)		

Table MANAGER_MASTER

Unq	MANAGER_ID	number(5)	
	WAREHOUSE_ID	varchar2(4)	
Unq	EMPLOYEE_NUMBER	number(5)	
	Indexes		
Unq	PK_MANAGER_MAST	MANAGER_ID	
Unq	UNQ_MANAGER_MAST_EMPLOYEE_NUM	EMPLOYEE_NUMBER	

Table PART_MASTER

Unq	PART_NUMBER	varchar2(5)	
	SUB_PART_NUMBER	varchar2(4)	
	ASSEMBLY_NUMBER	varchar2(4)	
	BATCH_NUMBER	number(5)	
	Indexes		
Unq	PK_PART_MASTER	PART_NUMBER	
	Foreign Keys		
	FK_PART_FROM_BATCH (BATCH_NUMBER) ref BATCH_MASTER (BATCH_NUMBER)		

Table WAREHOUSE_MASTER

Unq	WAREHOUSE_ID	varchar2(4)	warehouse id is prmariey key
	WAREHOUSE_NAME	varchar2(25)	
	WAREHOUSE_ADDRESS	varchar2(100)	
	MANAGER_ID	number(5)	
	BIN_NUMBER	number(5)	
	Indexes		
Unq	PK_WAREHOUSE_MA	WAREHOUSE_ID	
	Foreign Keys		
	FK_WAREHOUSE_MANAGER (MANAGER_ID) ref MANAGER_MASTER (MANAGER_ID)		
	FK_WAREHOUSE_HAVE_BIN (BIN_NUMBER) ref BIN_DETAILS (BIN_NUMBER)		