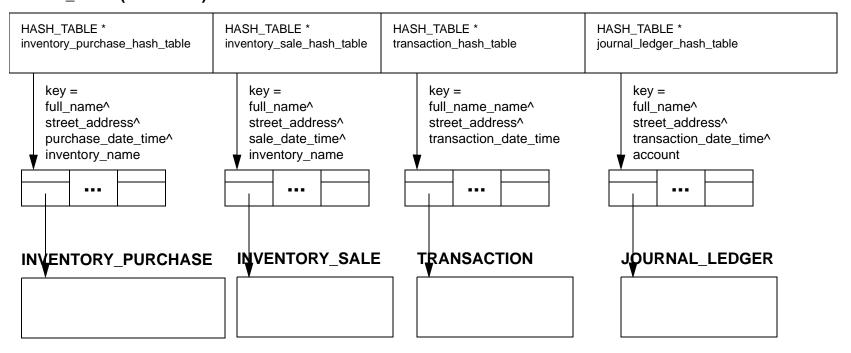
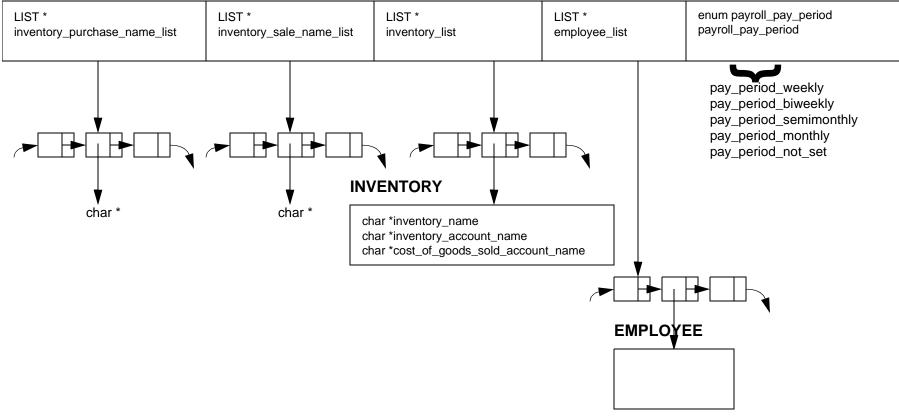


### **ENTITY\_SELF** (continued)



### **ENTITY\_SELF** (continued)

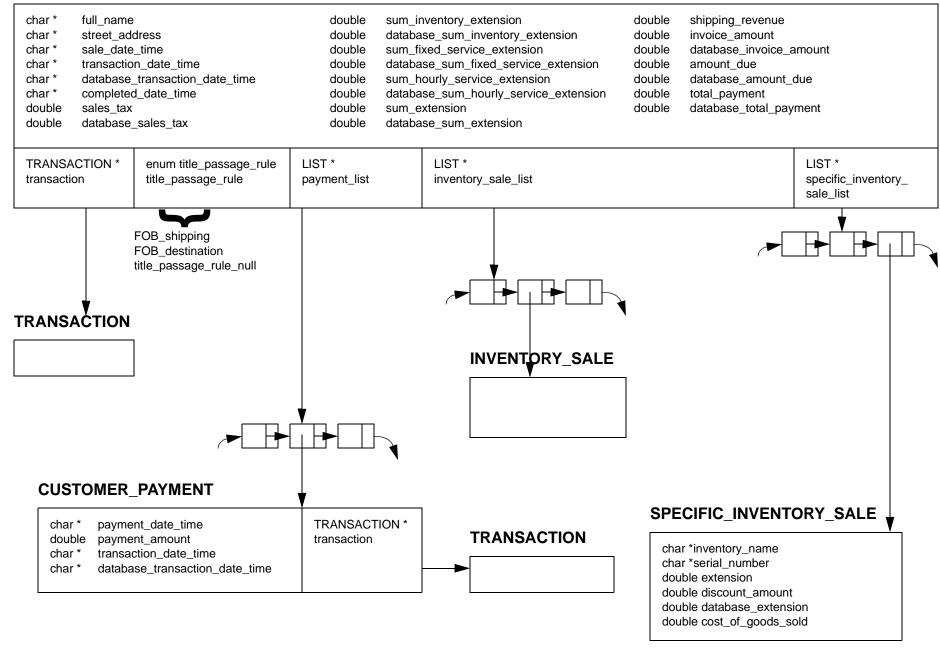


### **ENTITY\_SELF** (continued)

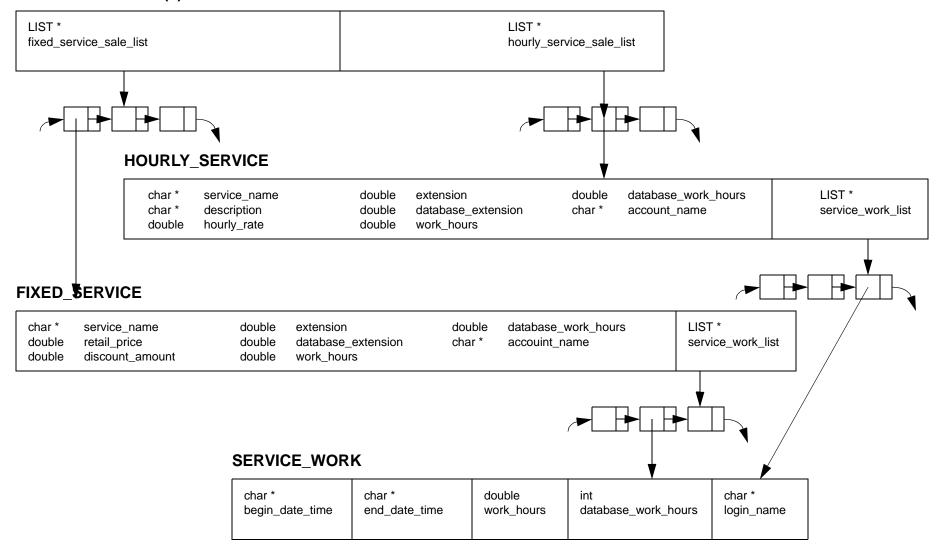
char \*payroll\_beginning\_day
double social\_security\_combined\_tax\_rate
int social\_security\_payroll\_ceiling
double medicare\_combined\_tax\_rate
double medicare\_additional\_withholding\_rate
int medicare\_additional\_gross\_pay\_floor
double federal\_withholding\_allowance\_period\_value
double federal\_nonresident\_withholding\_income\_premium
double state\_withholding\_allowance\_period\_value

double state\_itemized\_allowance\_period\_value int federal\_unemployment\_wage\_base double federal\_unemployment\_tax\_standard\_rate double federal\_unemployment\_threshold\_rate double federal\_unemployment\_tax\_minimum\_rate int state\_unemployment\_wage\_base double state\_unemployment\_tax\_rate double state\_sales\_tax\_rate

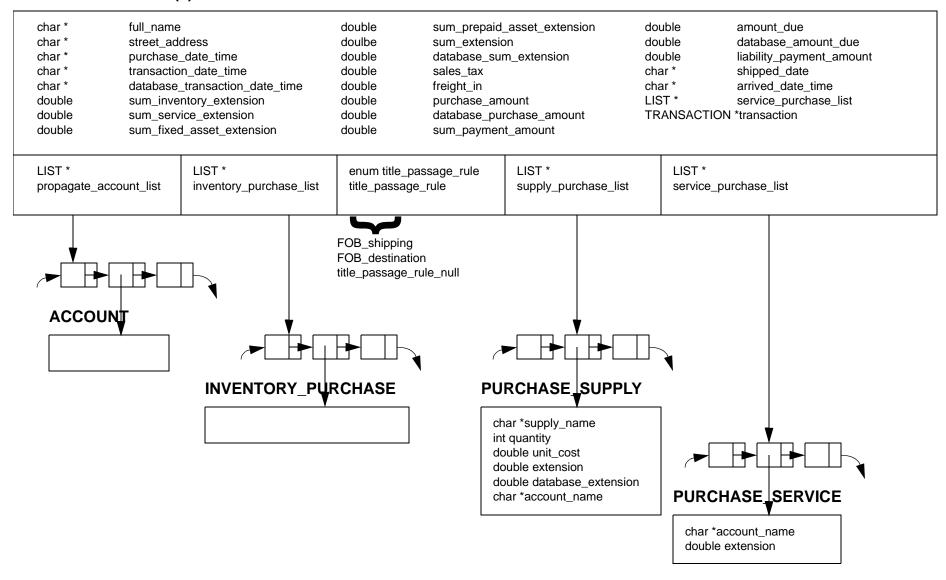
### CUSTOMER\_SALE (1)



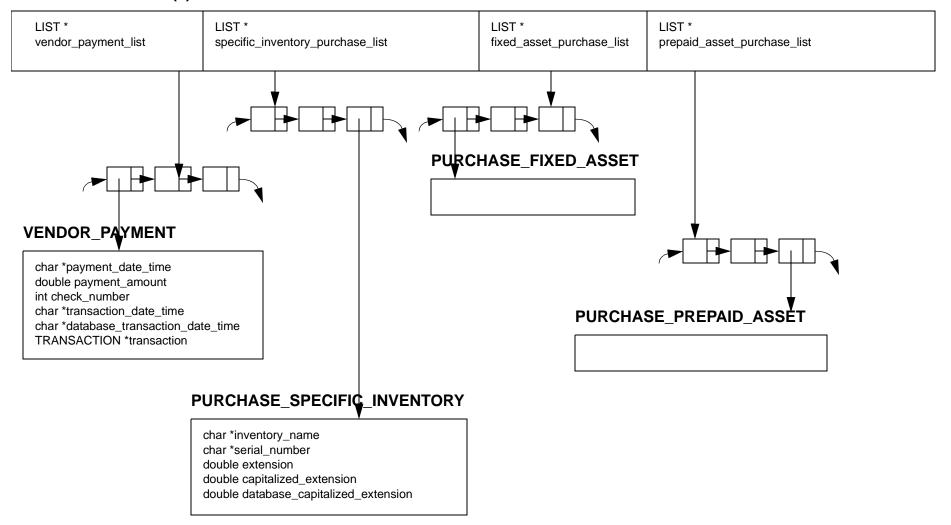
### CUSTOMER\_SALE (2)



### PURCHASE\_ORDER (1)

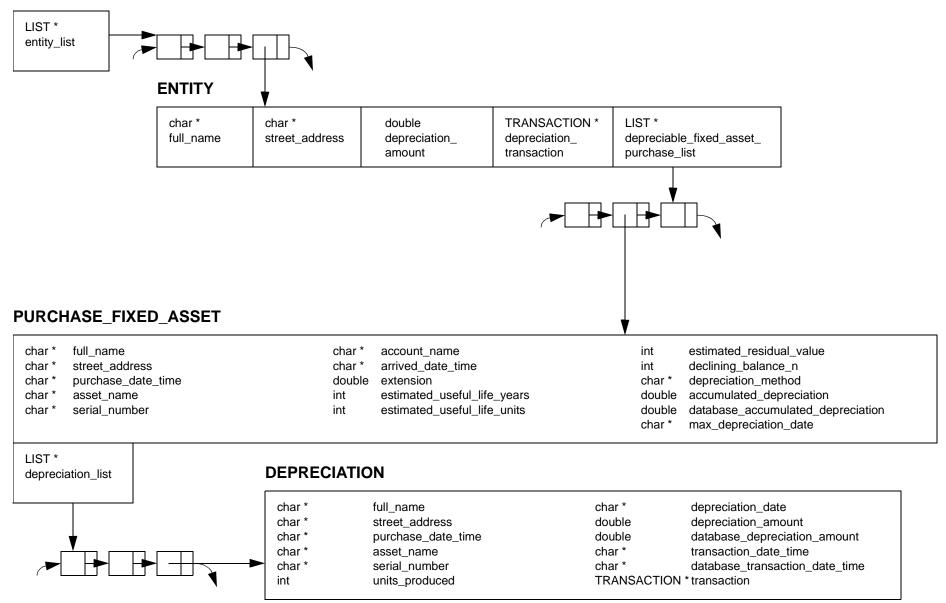


### PURCHASE\_ORDER (2)

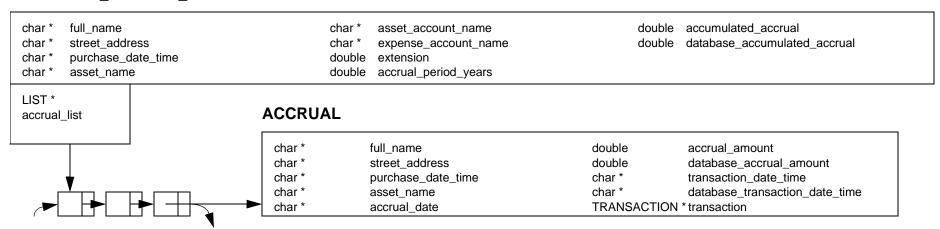


## **Accountancy Model Data Structure**

### FIXED\_ASSET\_DEPRECIATION



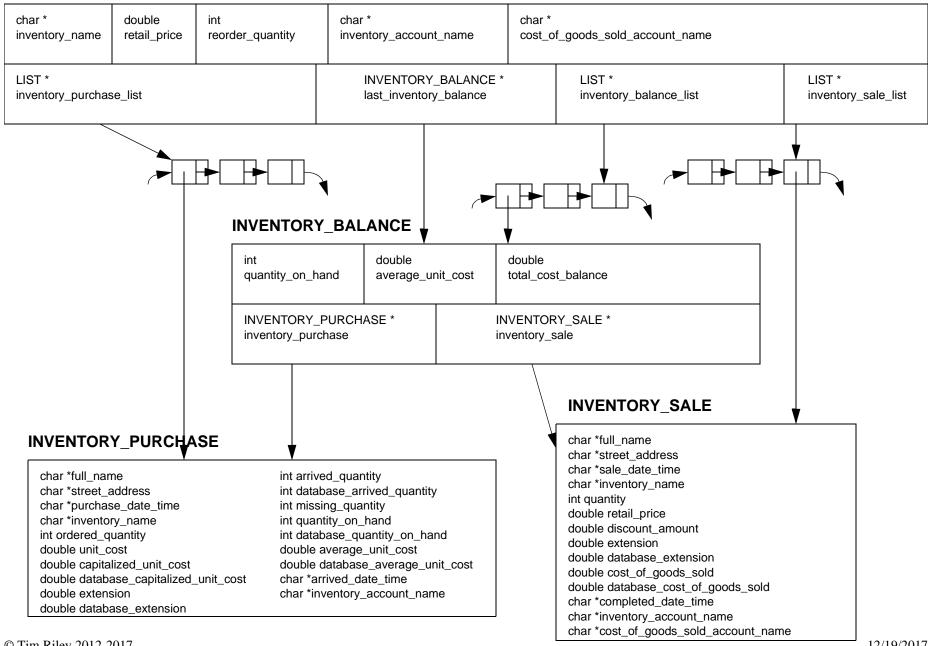
### PURCHASE\_PREPAID\_ASSET



### **VENDOR PAYMENT**

char *	double	char *	char *	TRANSACTION *	TRANSACTION
payment_date_time	payment_amount	transaction_date_time	database_transaction_date_time	transaction	-

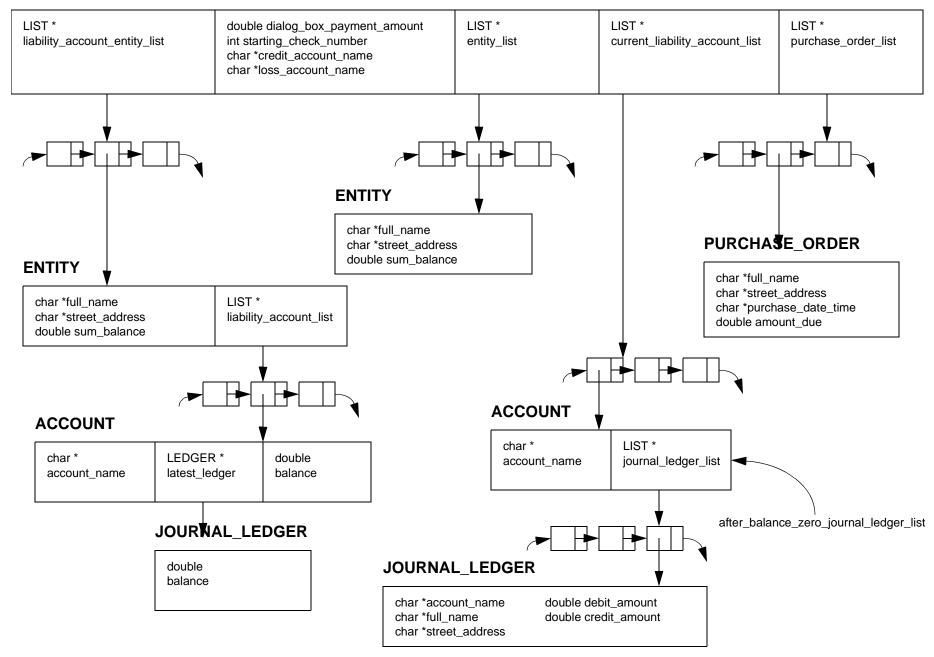
#### INVENTORY



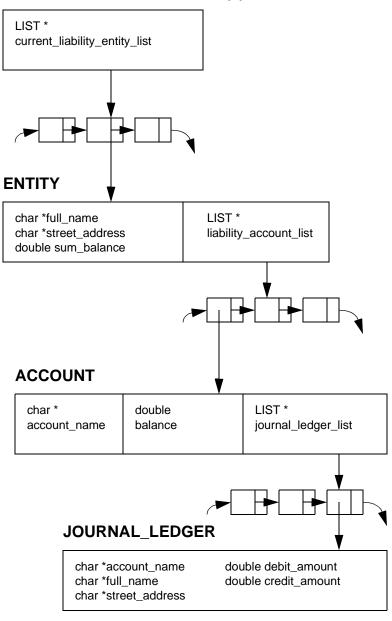
## PAY\_LIABILITIES

PAY_LIABILITIES_INPUT input		PAY_LIABILITIES_PROCESS process			PAY_LIABILITIES_OUTPUT output		
PAY_LIABILITIES_IN	PUT	PAY_LIABILI	TIES_PROCES	ss	PAY_LIABILI	TIES_OUTPUT	

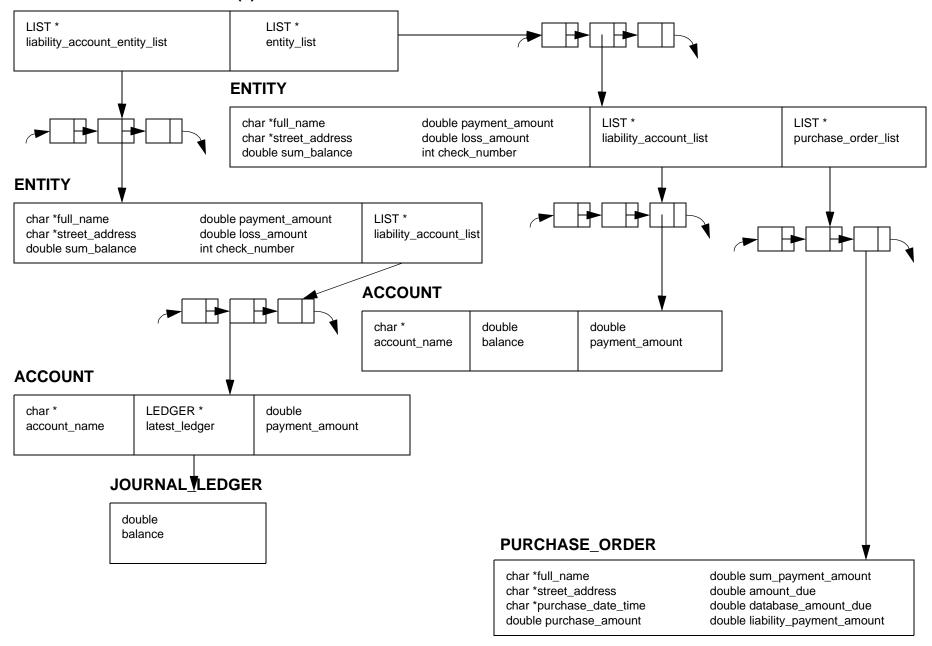
### PAY\_LIABILITIES\_INPUT



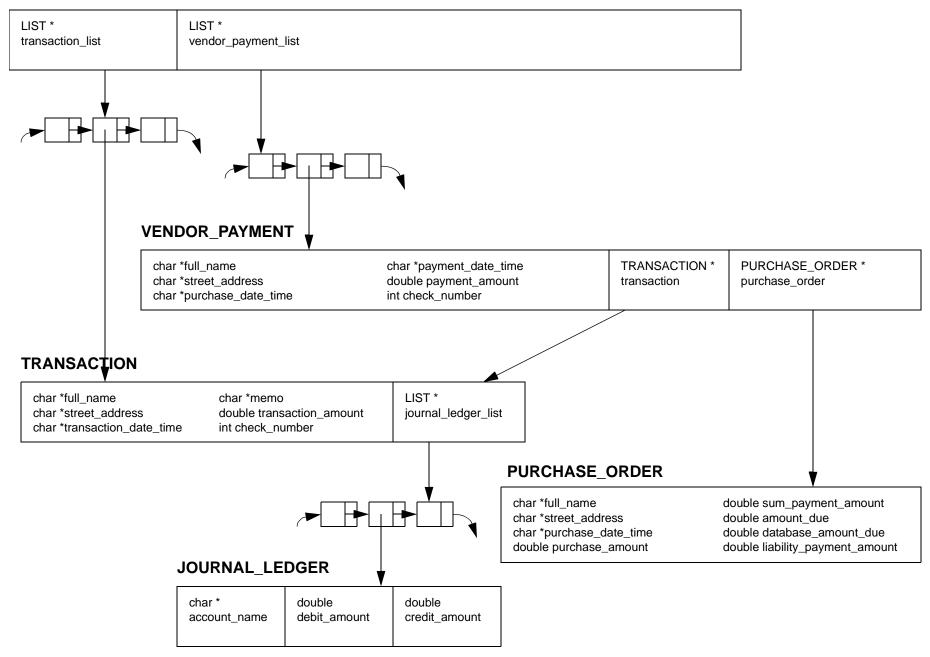
### PAY\_LIABILITIES\_PROCESS (1)



### PAY\_LIABILITIES\_PROCESS (2)



### PAY\_LIABILITIES\_OUTPUT



# **Accountancy Model Data Structure**

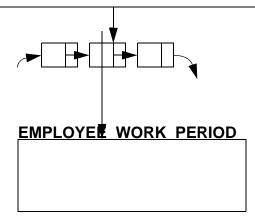
#### **EMPLOYEE**

char \*full\_name boolean state\_withholding\_exempt char \*street address char \*state\_marital\_status double hourly\_wage int state withholding allowances double period\_salary int state\_itemized\_deduction\_allowances double commission\_sum\_extension\_percent int retirement\_contribution\_plan\_employee\_period\_amount double gross\_pay\_year\_to\_date int retirement contribution plan employer period amount double database\_gross\_pay\_year\_to\_date int health\_insurance\_employee\_period\_amount double net\_pay\_year\_to\_date int health insurance employer period amount double database\_net\_pay\_year\_to\_date double union dues period amount char \* federal\_marital\_status char \*terminated\_date int federal\_withholding\_allowances int federal withholding additional period amount LIST \* LIST \* LIST \* **CUSTOMER SALE** employee\_work\_day\_list employee\_work\_period\_list customer\_sale\_list EMPLOYEE WORK PERIOD char \*full name double state\_tax\_withholding\_amount double social\_security\_employee\_tax\_amount char \*street\_address int payroll year double social security employer tax amount int payroll\_period\_number double medicare\_employee\_tax\_amout char \*begin\_work\_date double medicare\_employer\_tax\_amount char \*end work date int retirement contribution plan employee amount double regular\_work\_hours int retirement\_contribution\_plan\_employer\_amount double overtime\_work\_hours int health\_insurance\_employee\_amount double commission\_sum\_extension int health insurance employer amount EMPLOYEE WORK DAY double gross\_pay double federal\_unemployment\_tax\_amount double net\_pay double state\_unemployment\_tax\_amount char \*begin\_work\_date\_time double payroll\_tax\_amount int union\_dues\_amount char \*end\_work\_date\_time double federal\_tax\_withholding\_amount char \*transaction date time double employee work hours double database employee work hours TRANSACTION \* boolean overtime\_work\_day TRANSACTION transaction

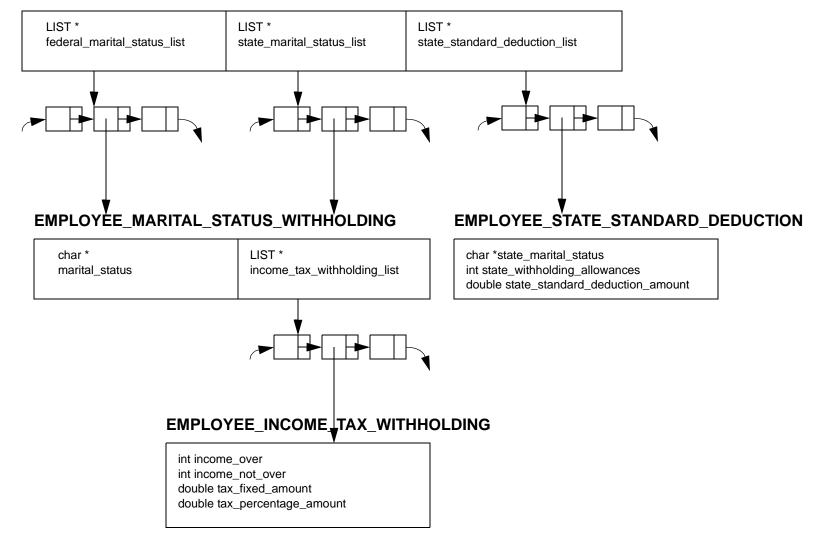
### **PAYROLL POSTING**

int payroll\_year int payroll\_period\_number char \*begin work date char \*end\_work\_date double regular\_work\_hours double overtime\_work\_hours double commission\_sum\_extgension double gross\_pay double net\_pay double payroll\_tax\_amount double federal\_tax\_withholding\_amount double state\_tax\_withholding\_amount double social\_security\_employee\_tax\_amount double social\_security\_employer\_tax\_amount double medicare\_employee\_tax\_amout double medicare\_employer\_tax\_amount int retirement\_contribution\_plan\_employee\_amount int retirement\_contribution\_plan\_employer\_amount int health\_insurance\_employee\_amount int health\_insurance\_employer\_amount double federal\_unemployment\_tax\_amount double state\_unemployment\_tax\_amount int union\_dues\_amount

# LIST \* employee\_work\_period\_list



### EMPLOYEE\_TAX\_WITHHOLDING\_TABLE



### SUBSIDIARY\_TRANSACTION

