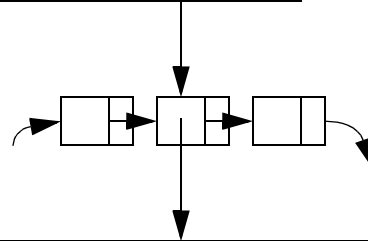


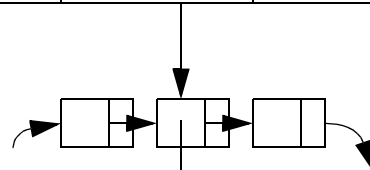
## ELEMENT

char * element_name	boolean accumulate_debit	LIST * subclassification_list
------------------------	-----------------------------	----------------------------------



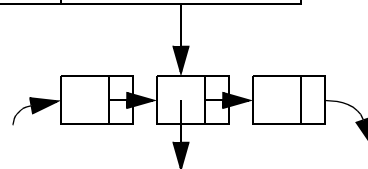
## SUBCLASSIFICATION

char * subclassification_name	LIST * account_list	double subclassification_total
----------------------------------	------------------------	-----------------------------------



## ACCOUNT

char * account_name	LEDGER * latest_ledger	LIST * journal_ledger_list
------------------------	---------------------------	-------------------------------

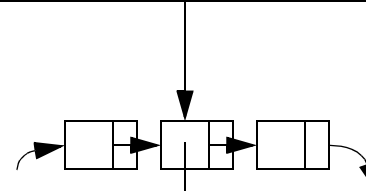


## JOURNAL\_LEDGER

char * full_name	char * street_address	char * transaction_date_time	char * account_name			
double previous_balance	double database_previous_balance	double debit_amount	double credit_amount	double balance	double database_balance	

## TRANSACTION

char * full_name	char * street_address	char * transaction_date_time	char * memo
double transaction_amount	double database_transaction_amount		
LIST * journal_ledger_list			

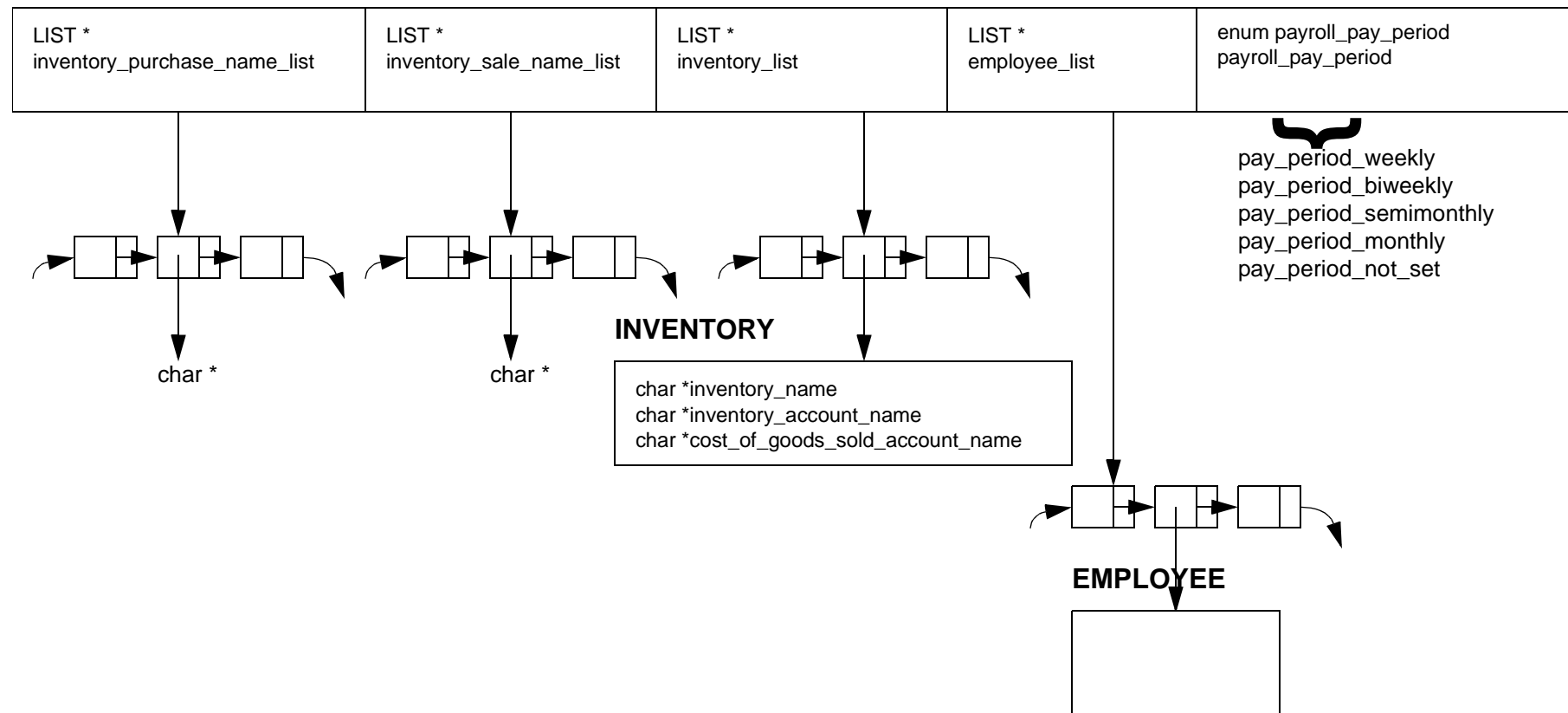




## ENTITY\_SELF (continued)



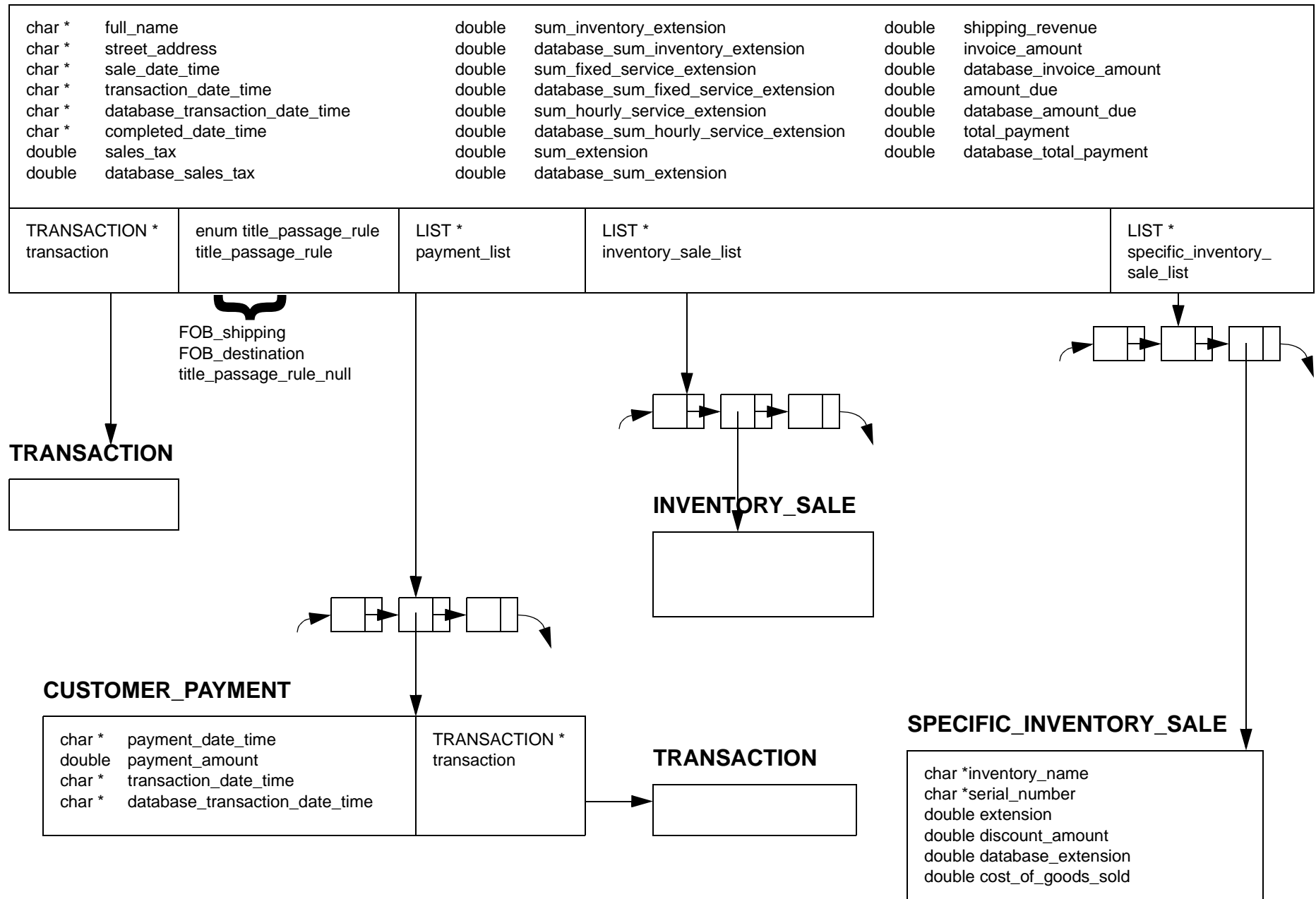
## ENTITY\_SELF (continued)



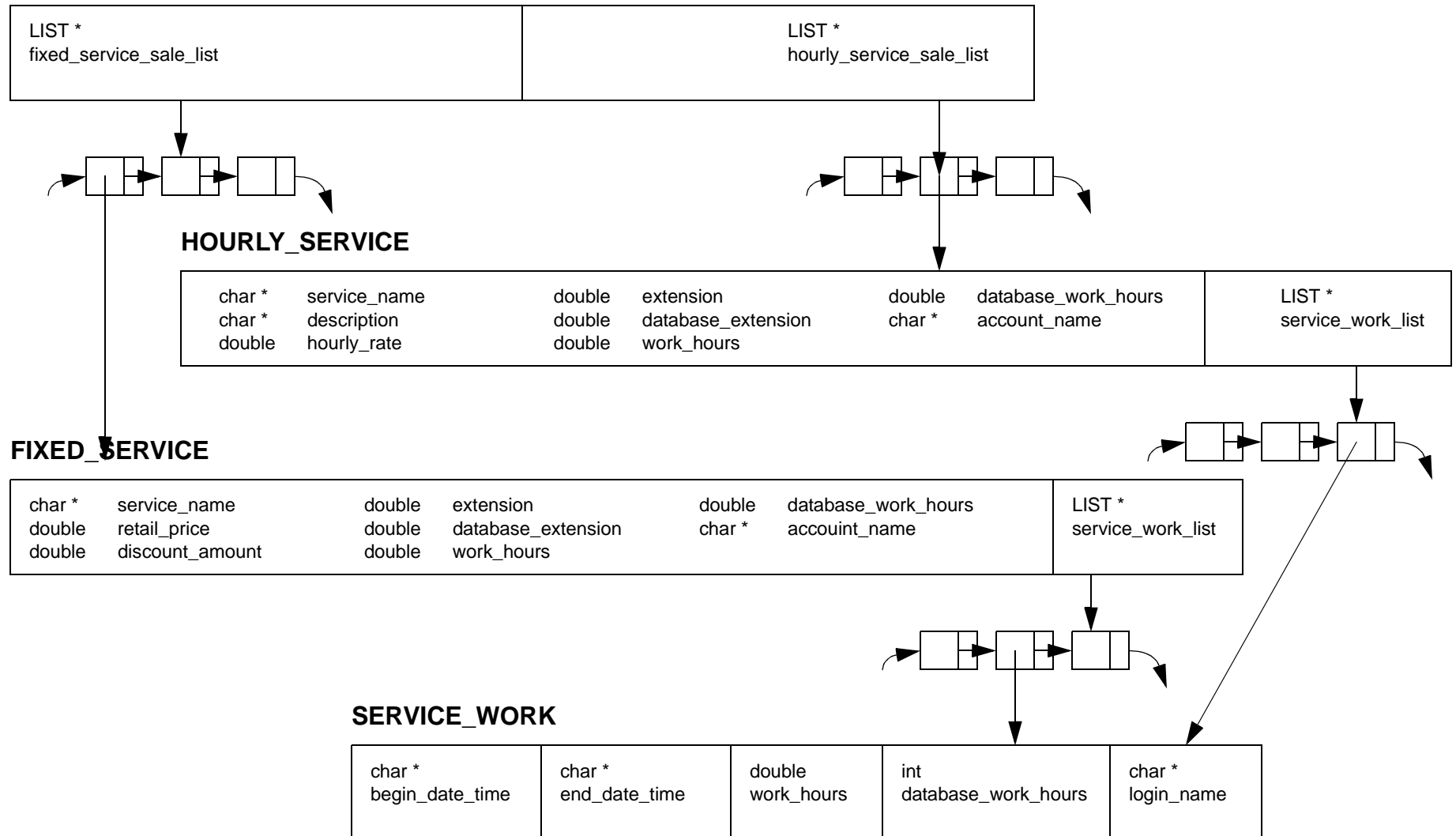
## ENTITY\_SELF (continued)

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
--	--

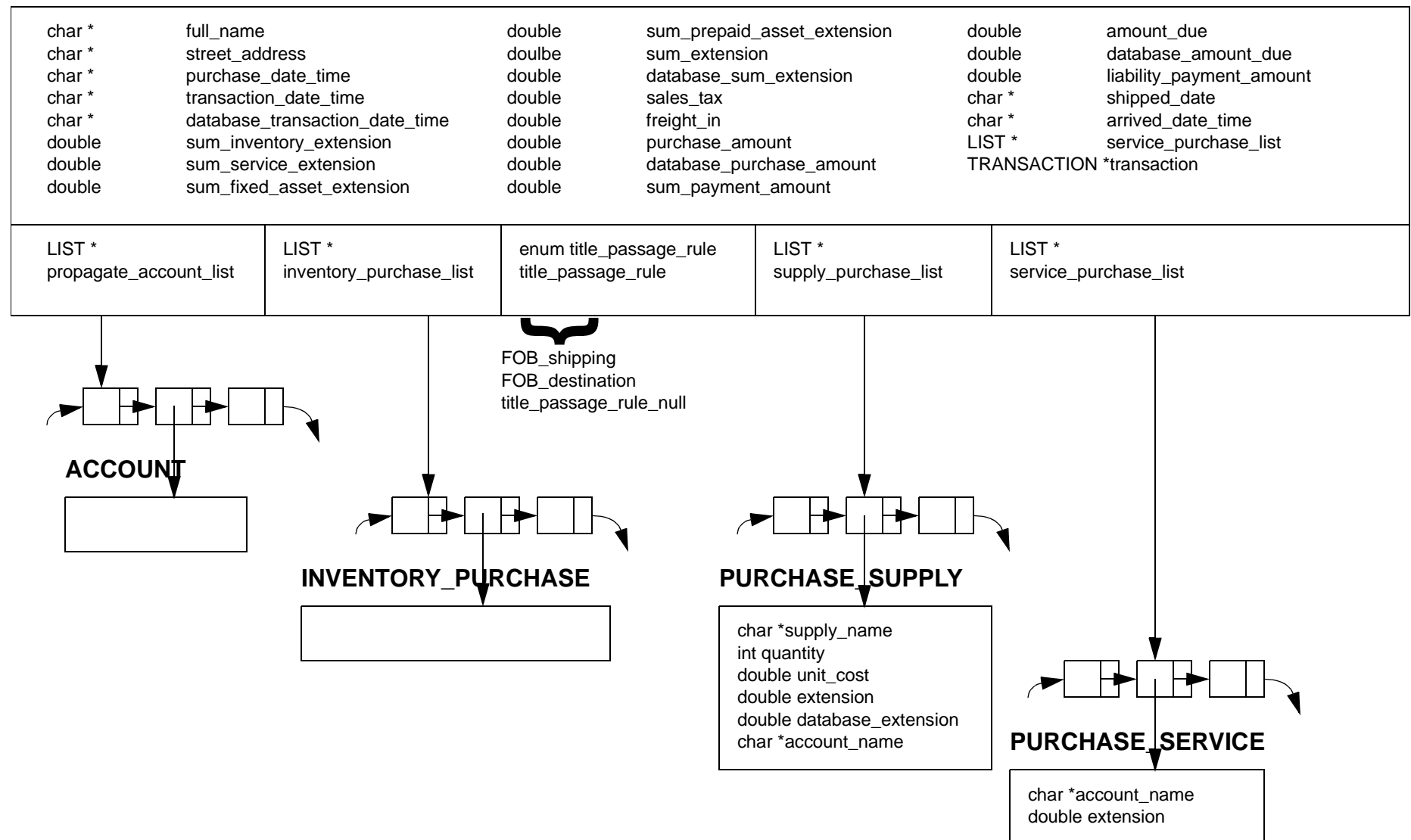
## CUSTOMER\_SALE (1)



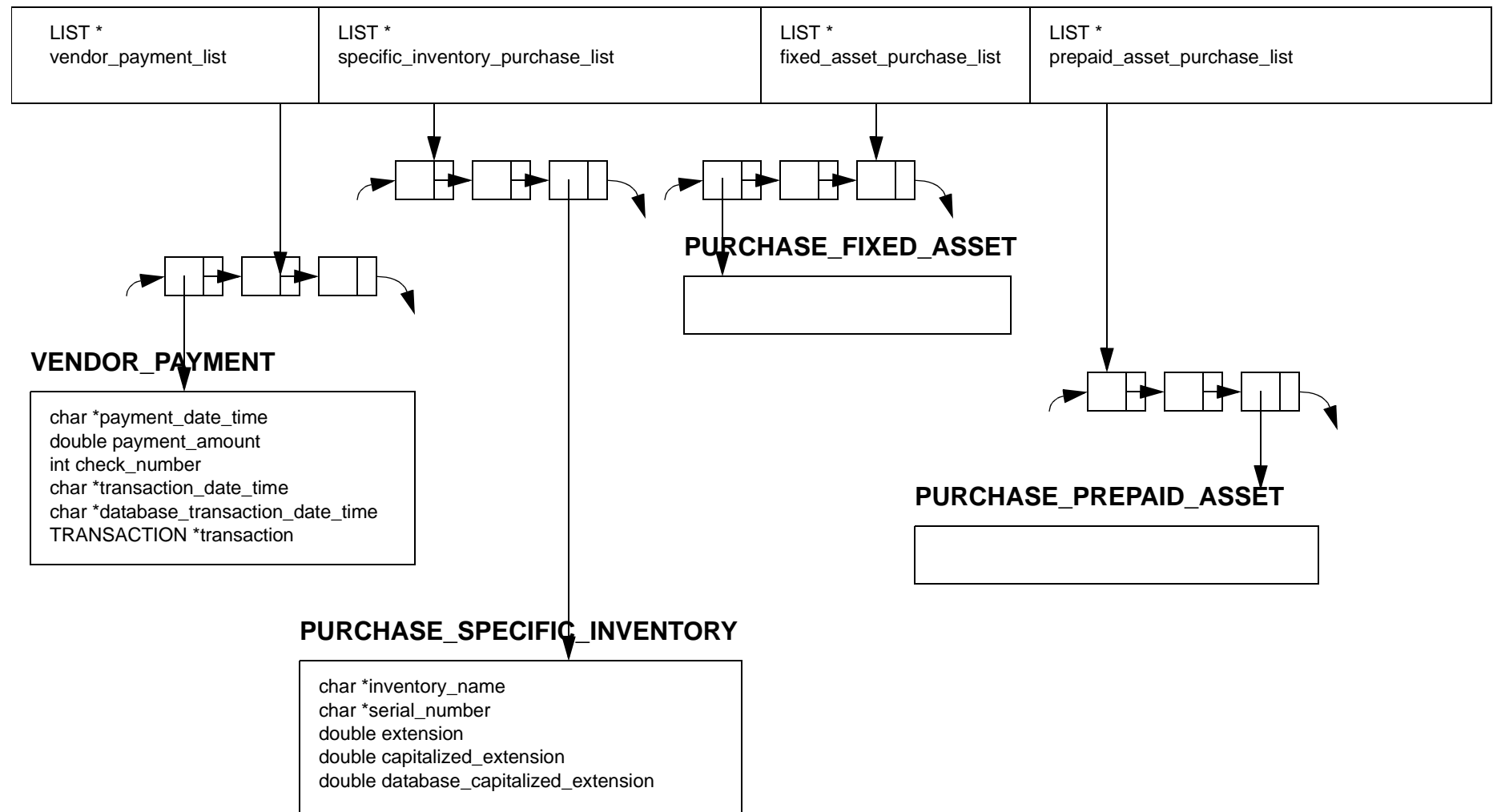
## CUSTOMER\_SALE (2)



## PURCHASE\_ORDER (1)



## PURCHASE\_ORDER (2)

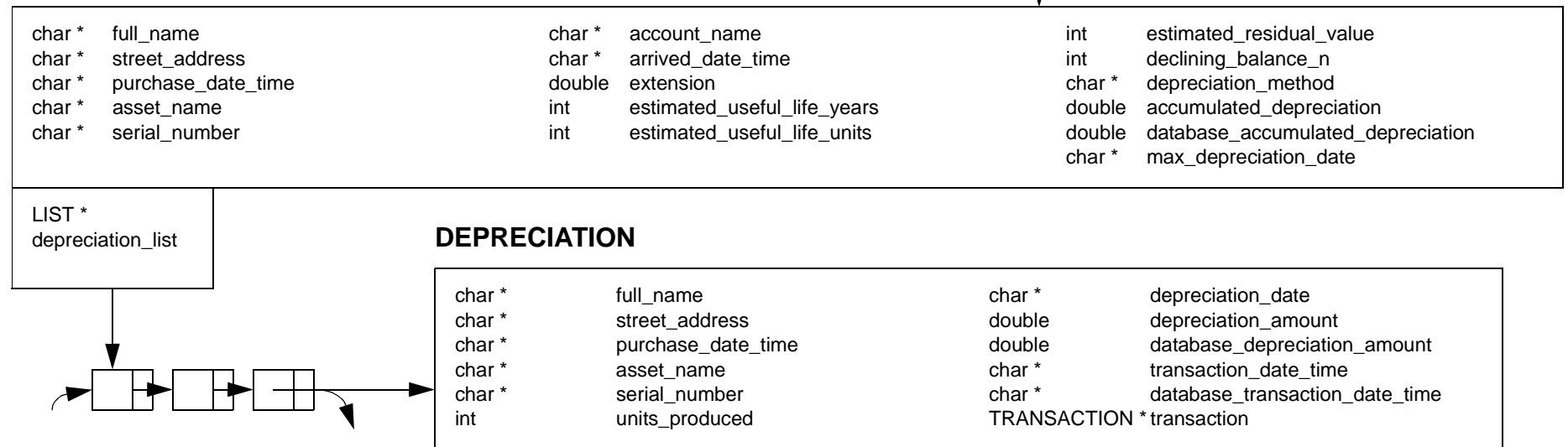




## FIXED\_ASSET\_DEPRECIATION



## PURCHASE\_FIXED\_ASSET



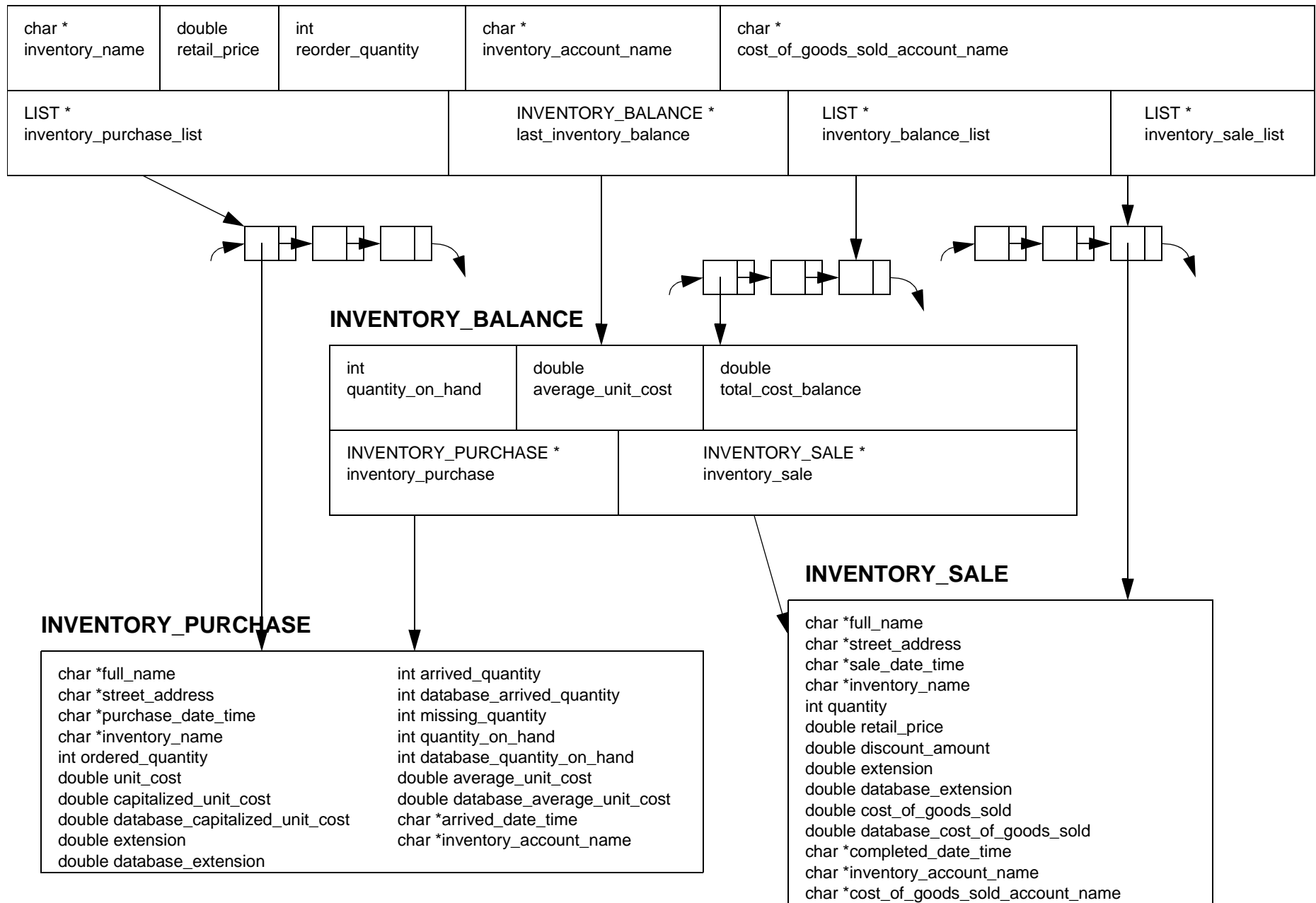
## PURCHASE\_PREPAID\_ASSET



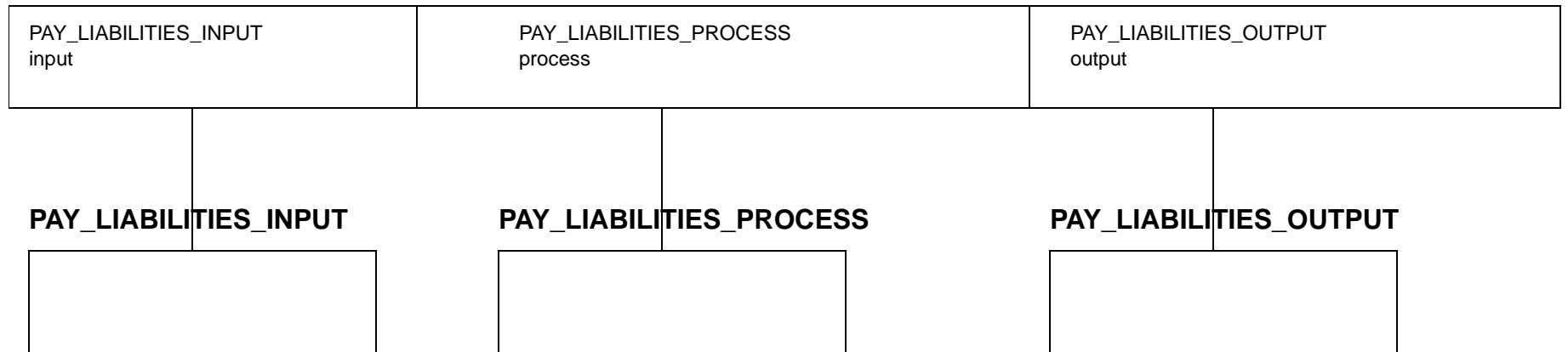
## VENDOR\_PAYMENT



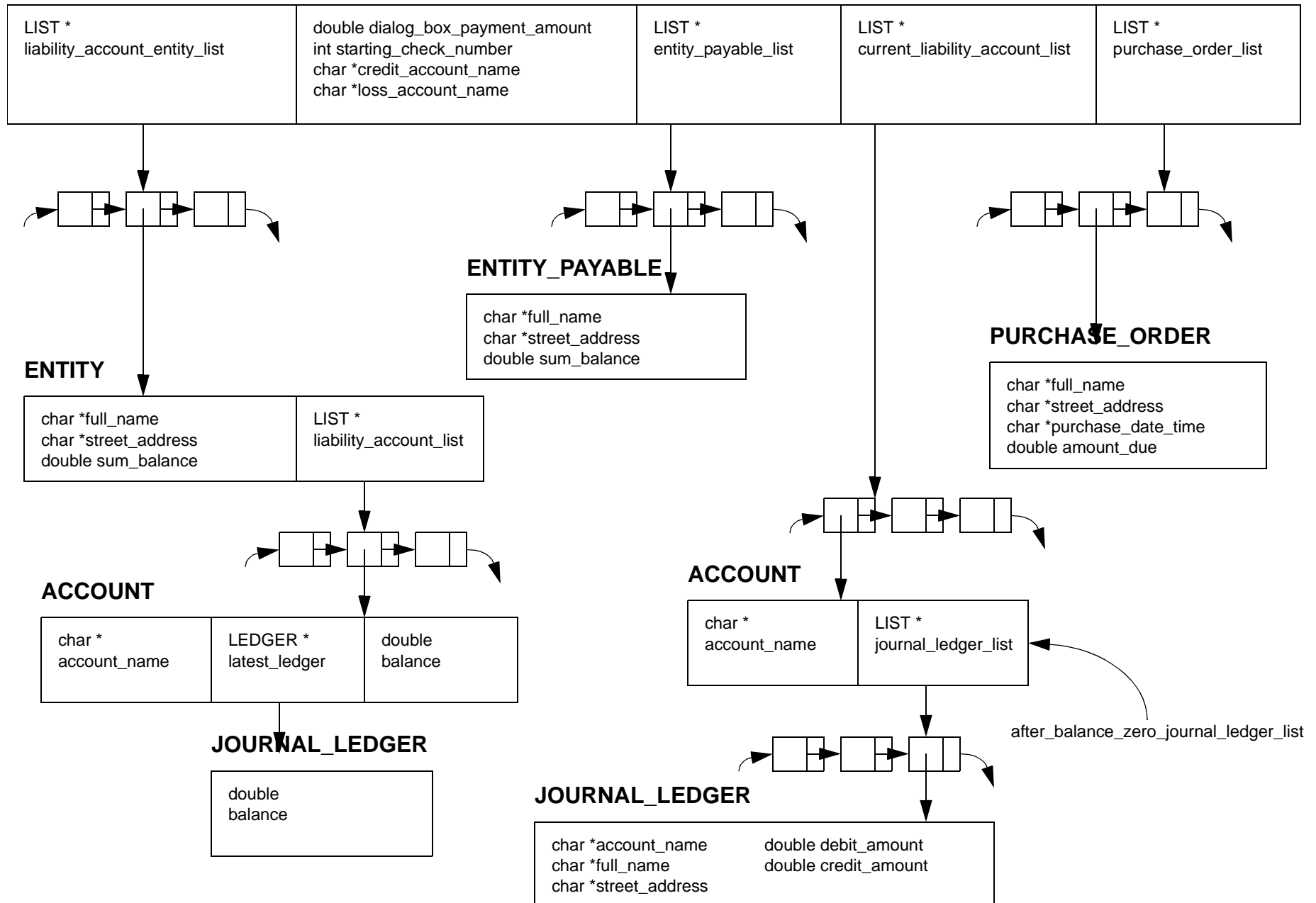
## INVENTORY



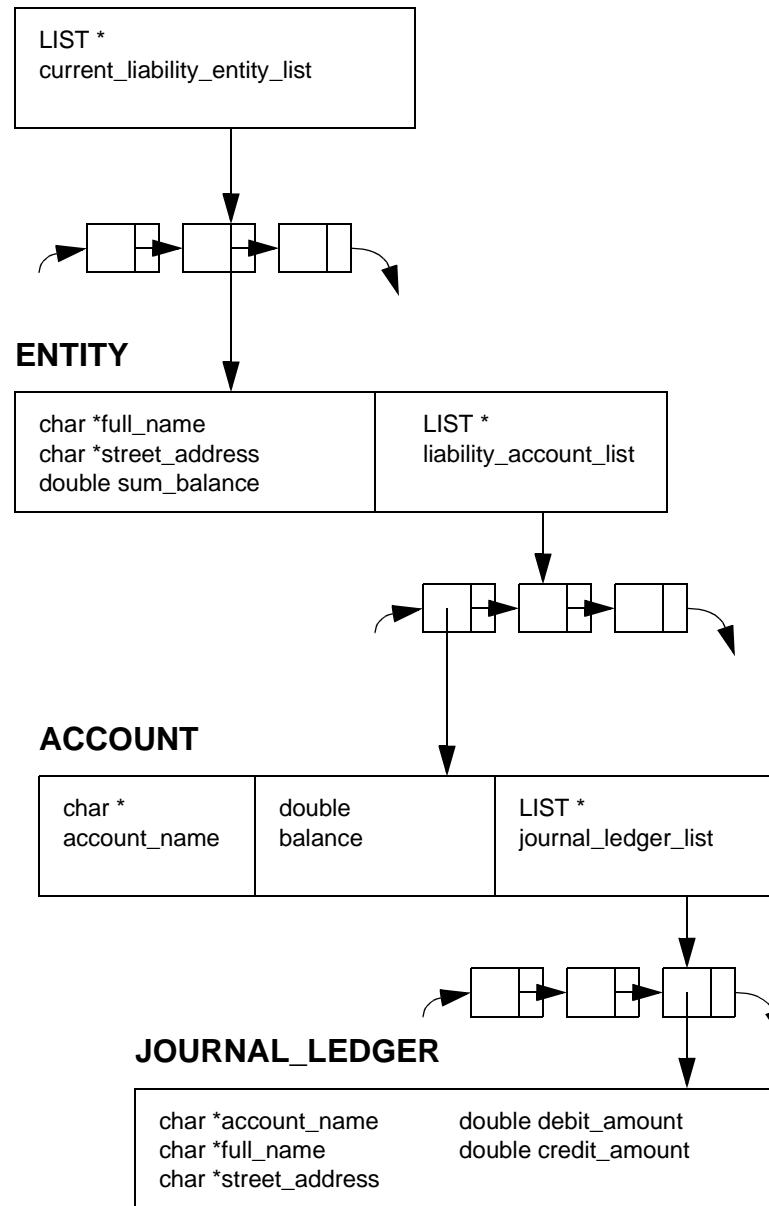
## PAY\_LIABILITIES



## PAY LIABILITIES\_INPUT



## PAY\_LIABILITIES\_PROCESS (1)



The diagram illustrates a database schema for an accounting system. It consists of several tables and their relationships, represented by arrows and list pointers.

**ENTITY\_PAYABLE Table:**

- Attributes: `char *full_name`, `char *street_address`, `double sum_balance`, `double payment_amount`, `double loss_amount`, `int check_number`.
- Relationships:
  - Linked to `ENTITY` via `liability_account_entity_list`.
  - Linked to `ACCOUNT` via `liability_account_list`.
  - Linked to `JOURNAL_LEDGER` via `current_liability_account_list`.
  - Linked to `PURCHASE_ORDER` via `purchase_order_list`.

**ENTITY Table:**

- Attributes: `char *full_name`, `char *street_address`, `double sum_balance`, `double payment_amount`, `double loss_amount`, `int check_number`.
- Relationships:
  - Linked to `ACCOUNT` via `liability_account_list`.

**ACCOUNT Table:**

- Attributes: `char *account_name`, `double balance`, `double payment_amount`, `LIST * journal_ledger_list`.
- Relationships:
  - Linked to `JOURNAL_LEDGER` via `journal_ledger_list`.

**JOURNAL\_LEDGER Table:**

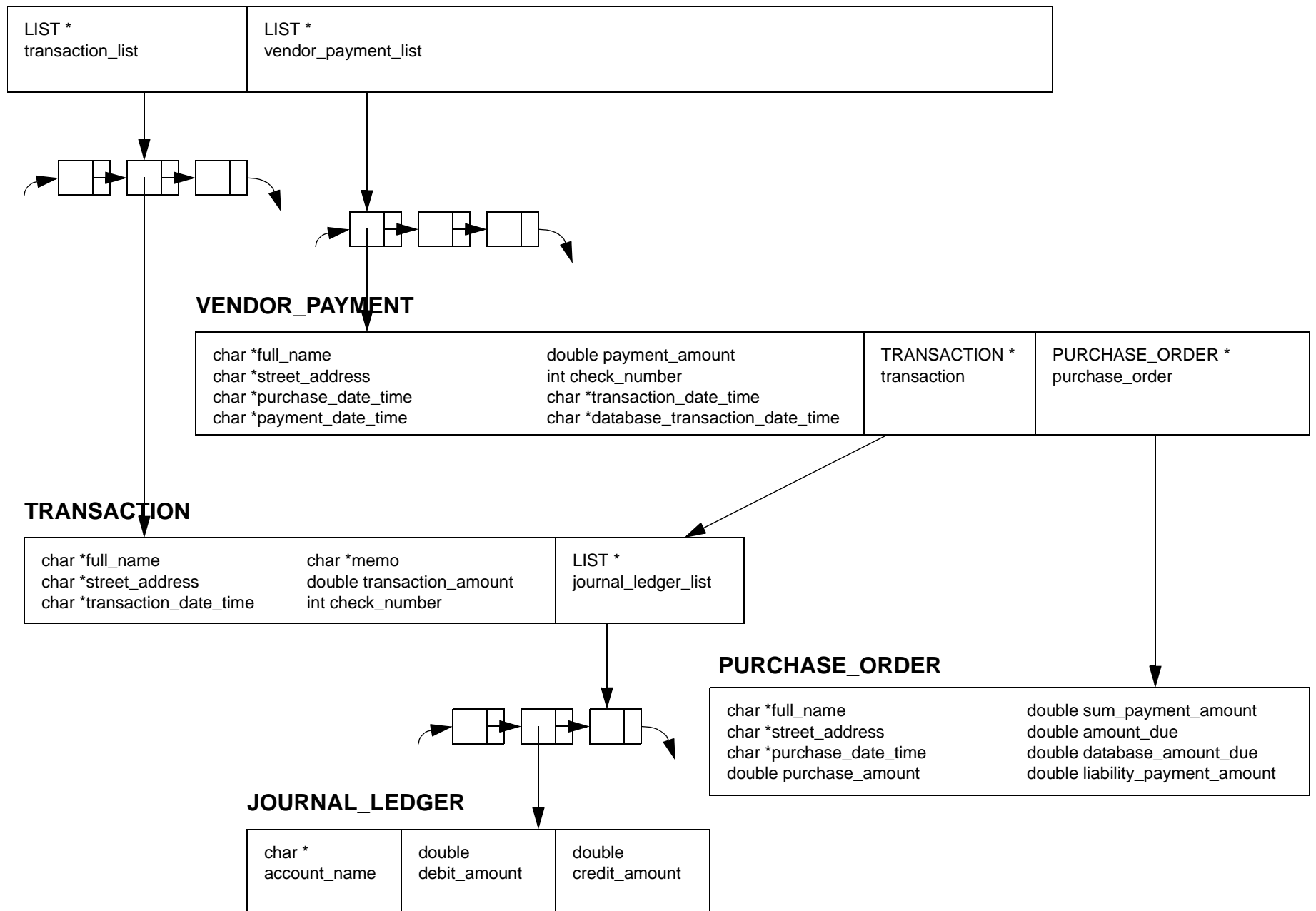
- Attributes: `char *account_name`, `double debit_amount`, `double credit_amount`.
- Relationships:
  - Linked to `PURCHASE_ORDER` via `sum_payment_amount`.

**PURCHASE\_ORDER Table:**

- Attributes: `char *full_name`, `char *street_address`, `double sum_payment_amount`, `double amount_due`, `double database_amount_due`, `double liability_payment_amount`.

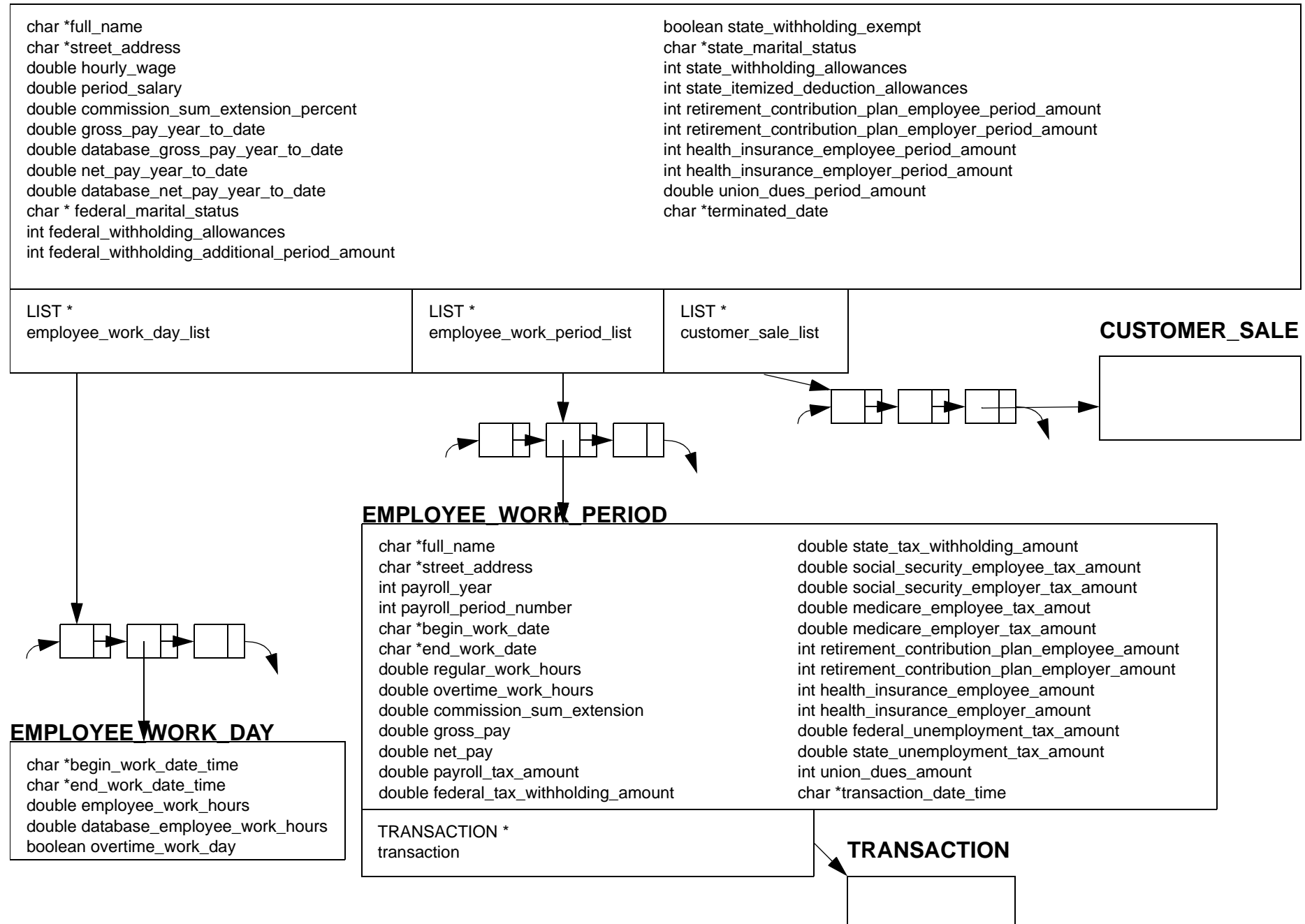
The diagram also shows various list pointers (e.g., `liability_account_entity_list`, `liability_account_list`, `current_liability_account_list`, `purchase_order_list`) and their corresponding data structures, which are represented as linked lists of records.

## PAY LIABILITIES OUTPUT





## EMPLOYEE

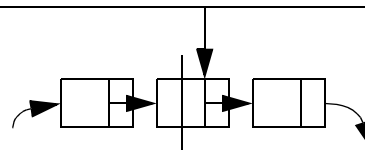


## PAYROLL POSTING

```

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 WORK PERIOD



## EMPLOYEE\_TAX\_WITHHOLDING\_TABLE

