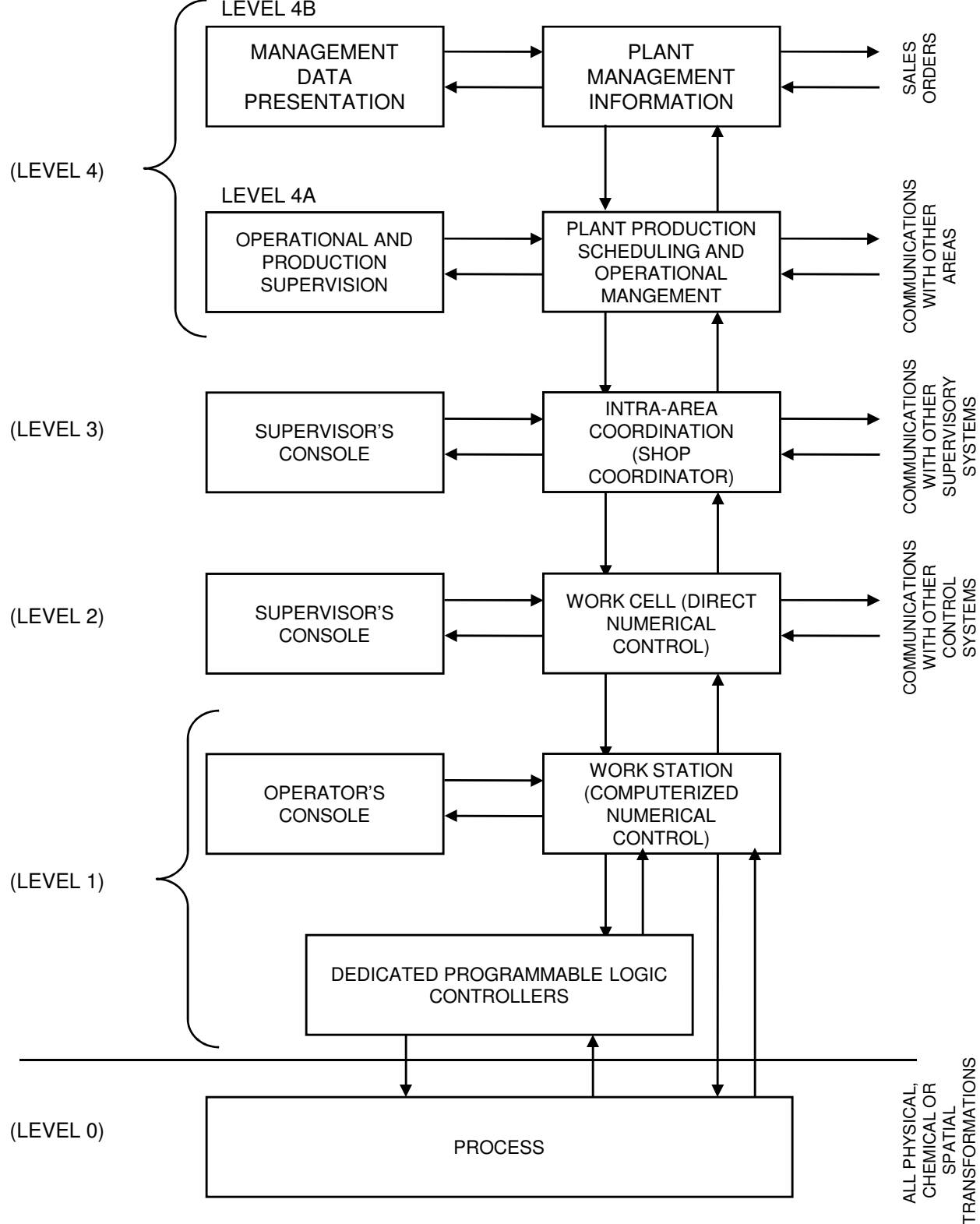


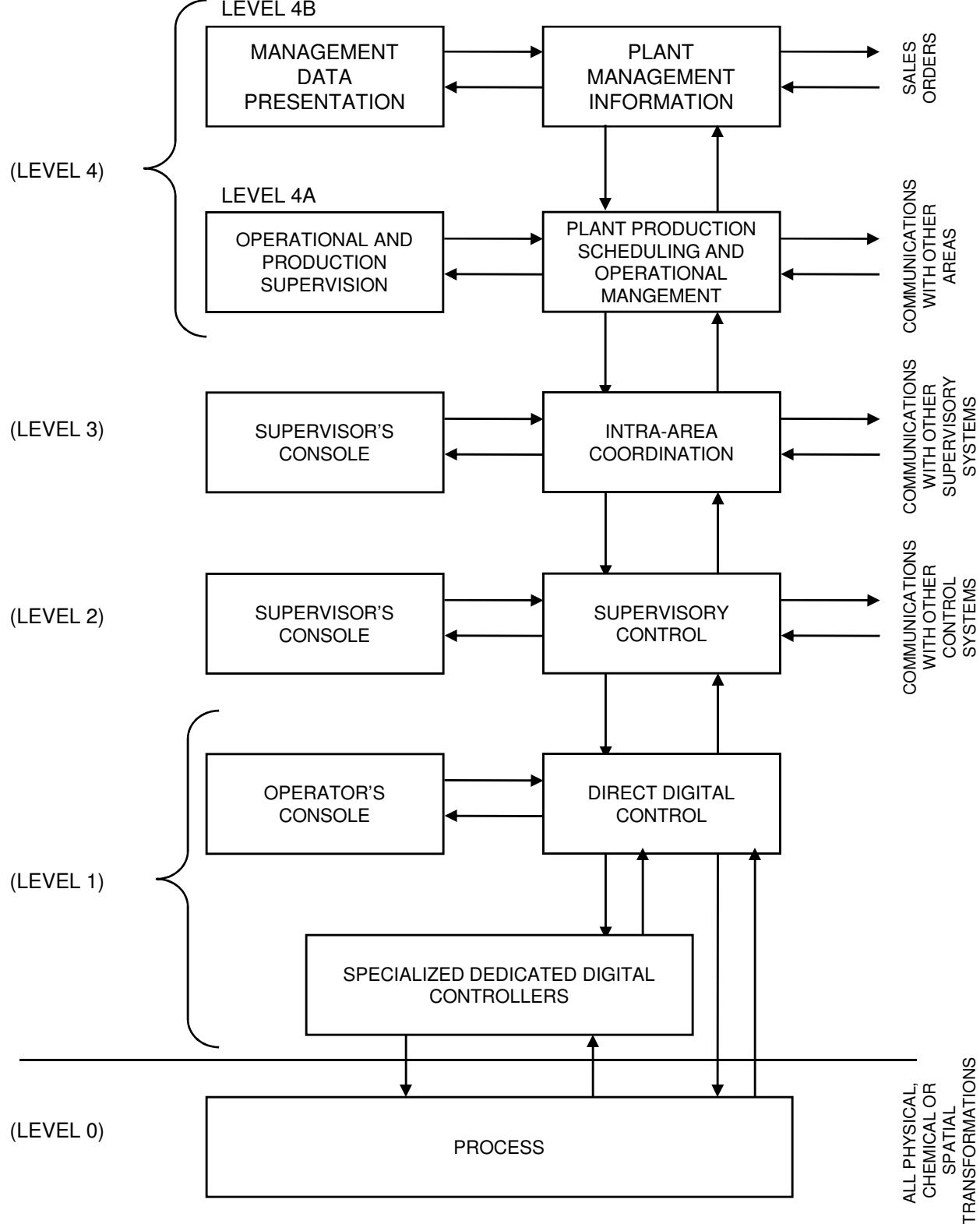
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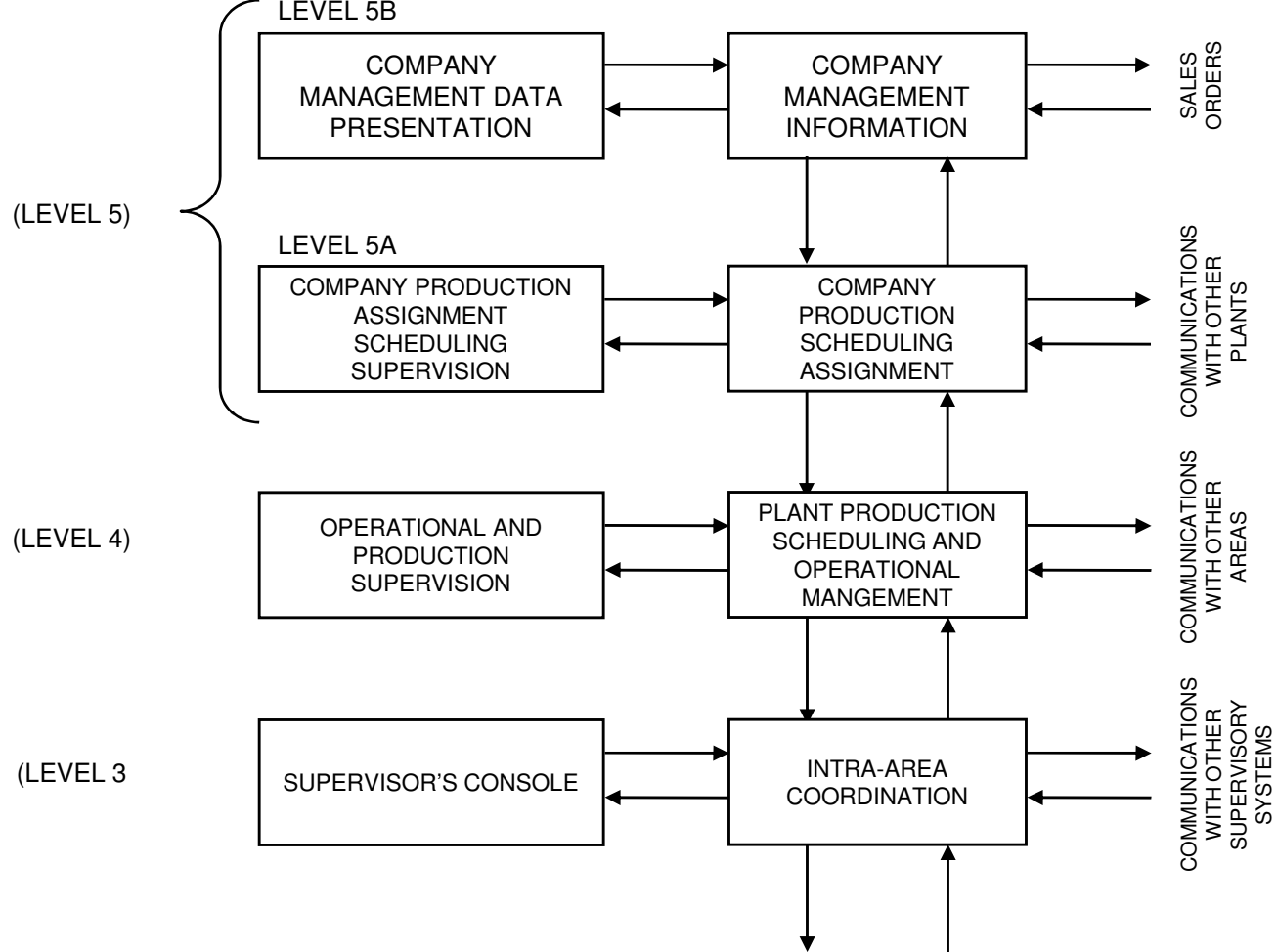
Selected
Purdue Reference Model
Diagrams

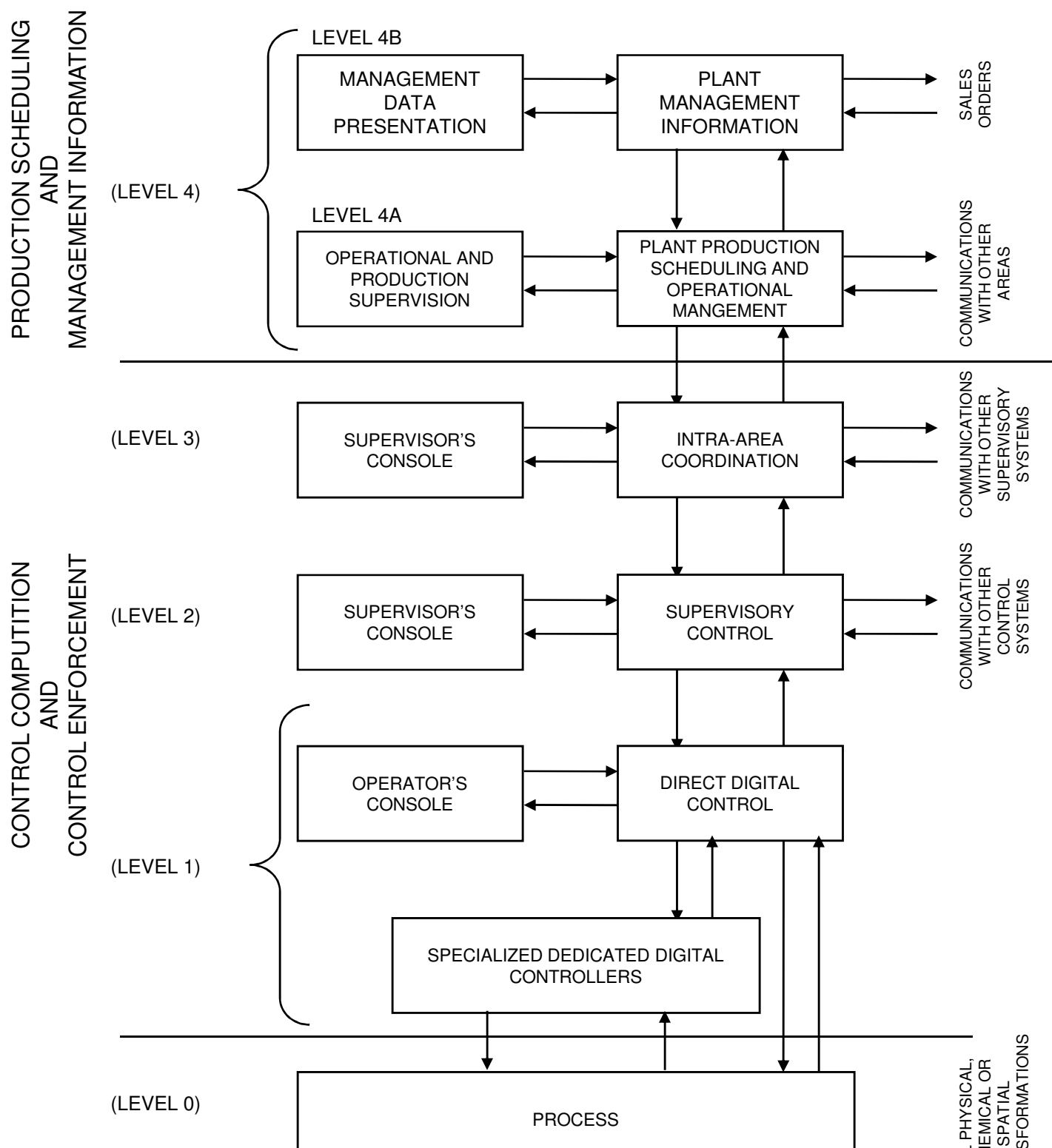
SCHEDULING AND CONTROL HIERARCHY

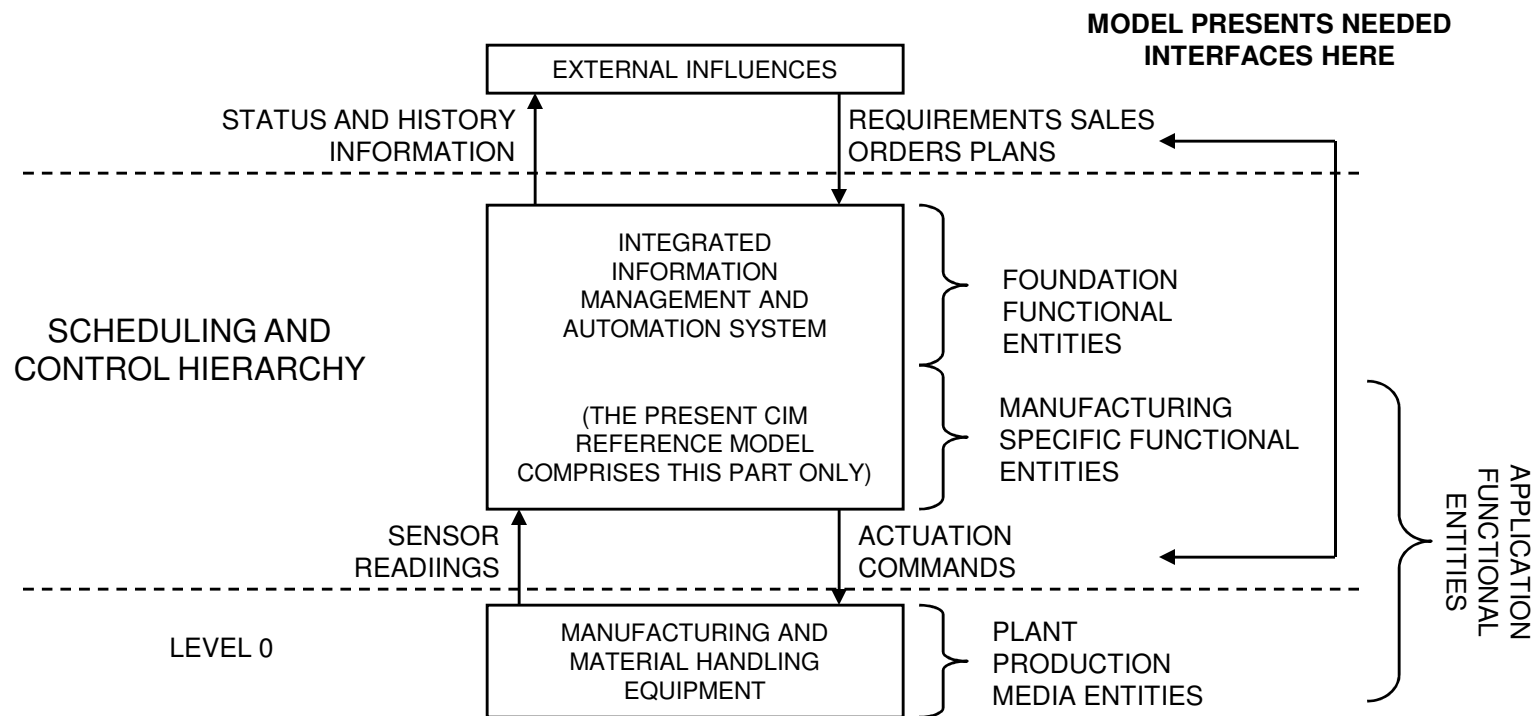


SCHEDULING AND CONTROL HIERARCHY

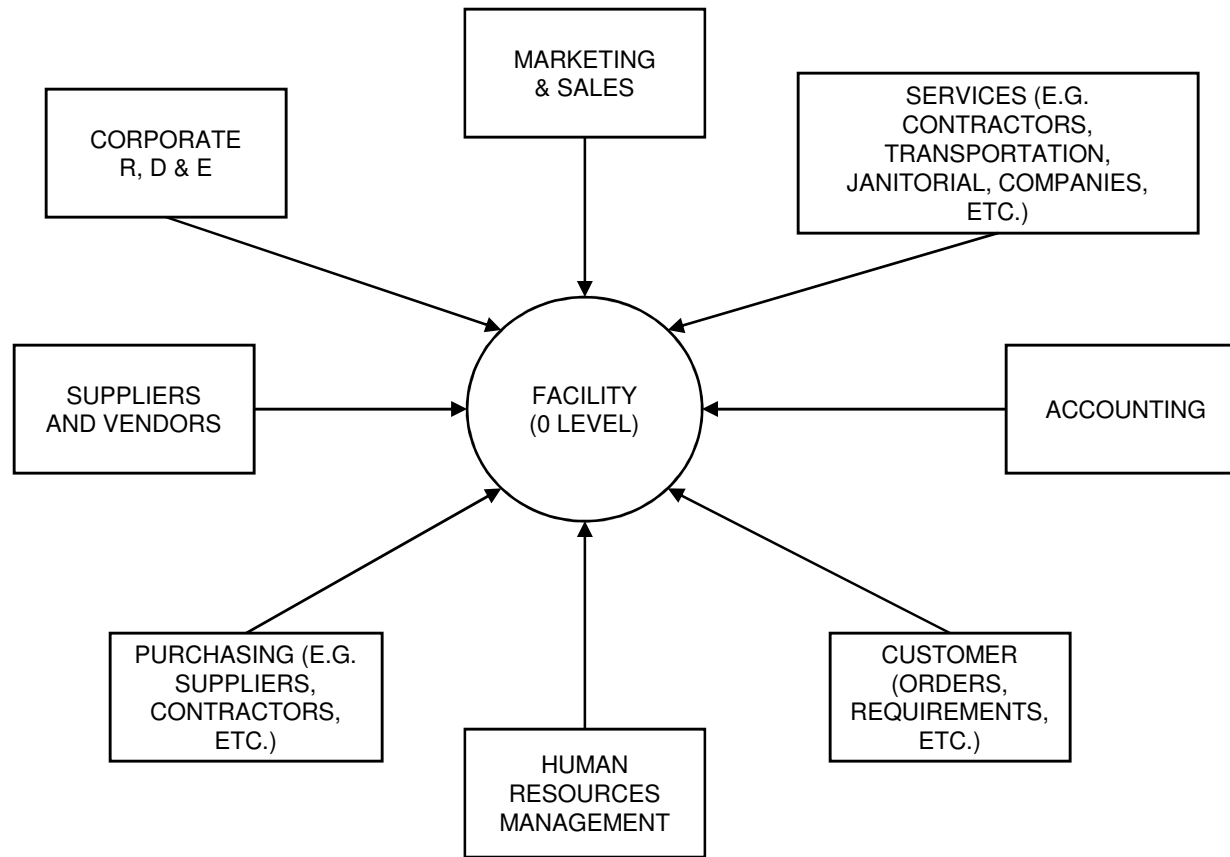


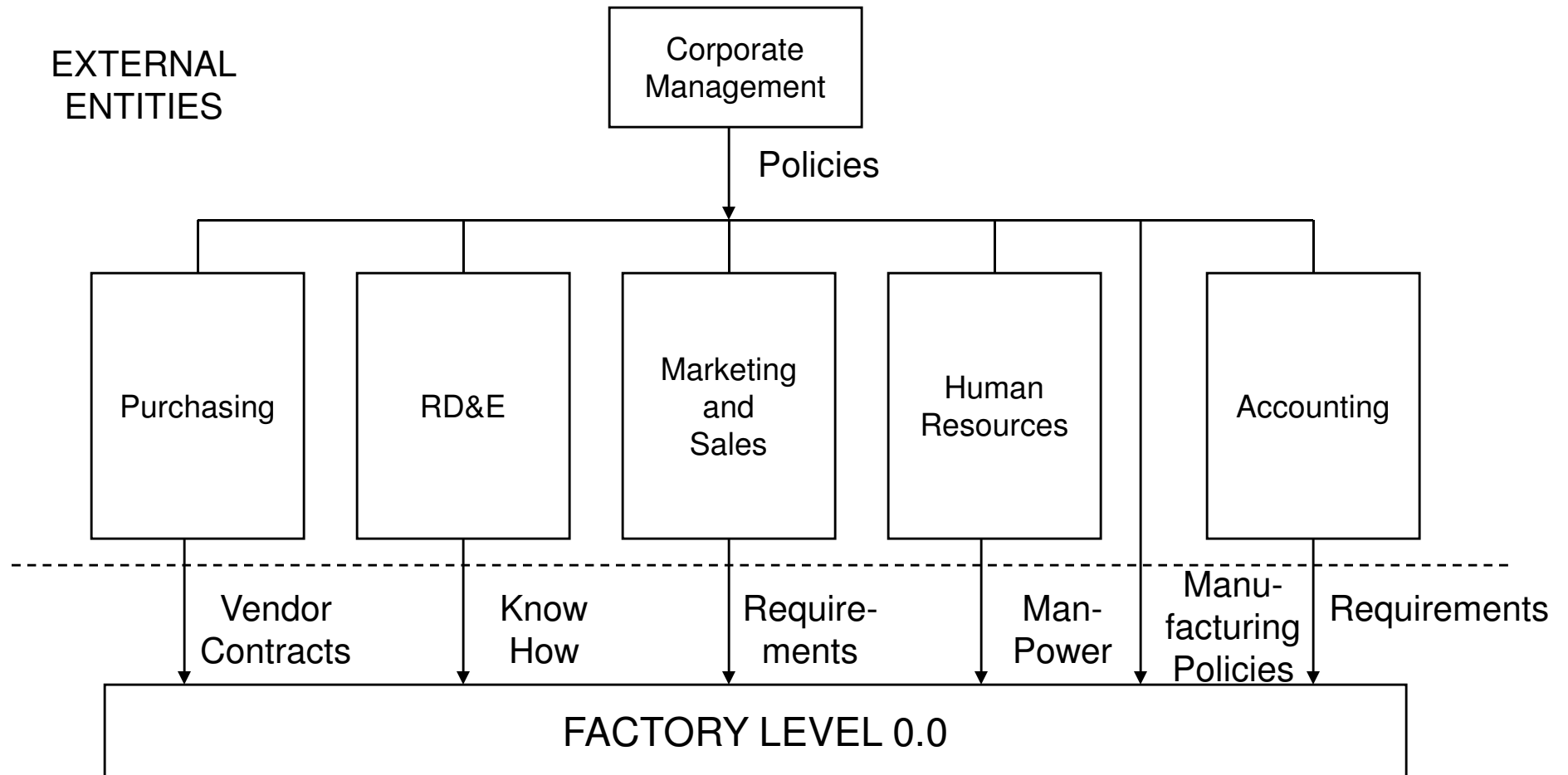






INFORMATION FLOW MODEL OF GENERAL
PRODUCTION FACILITY





* In succeeding diagrams, personnel requirements are all pervasive and can not be specifically shown. They are collectively address here

Corporate Management

Corporate Performance Reporting

EXTERNAL ENTITIES

Purchasing

RD&E

Marketing and Sales

Human Resources

Accounting

Operational Performance Reports

Raw Material
Energy, and
Spare Parts
Orders

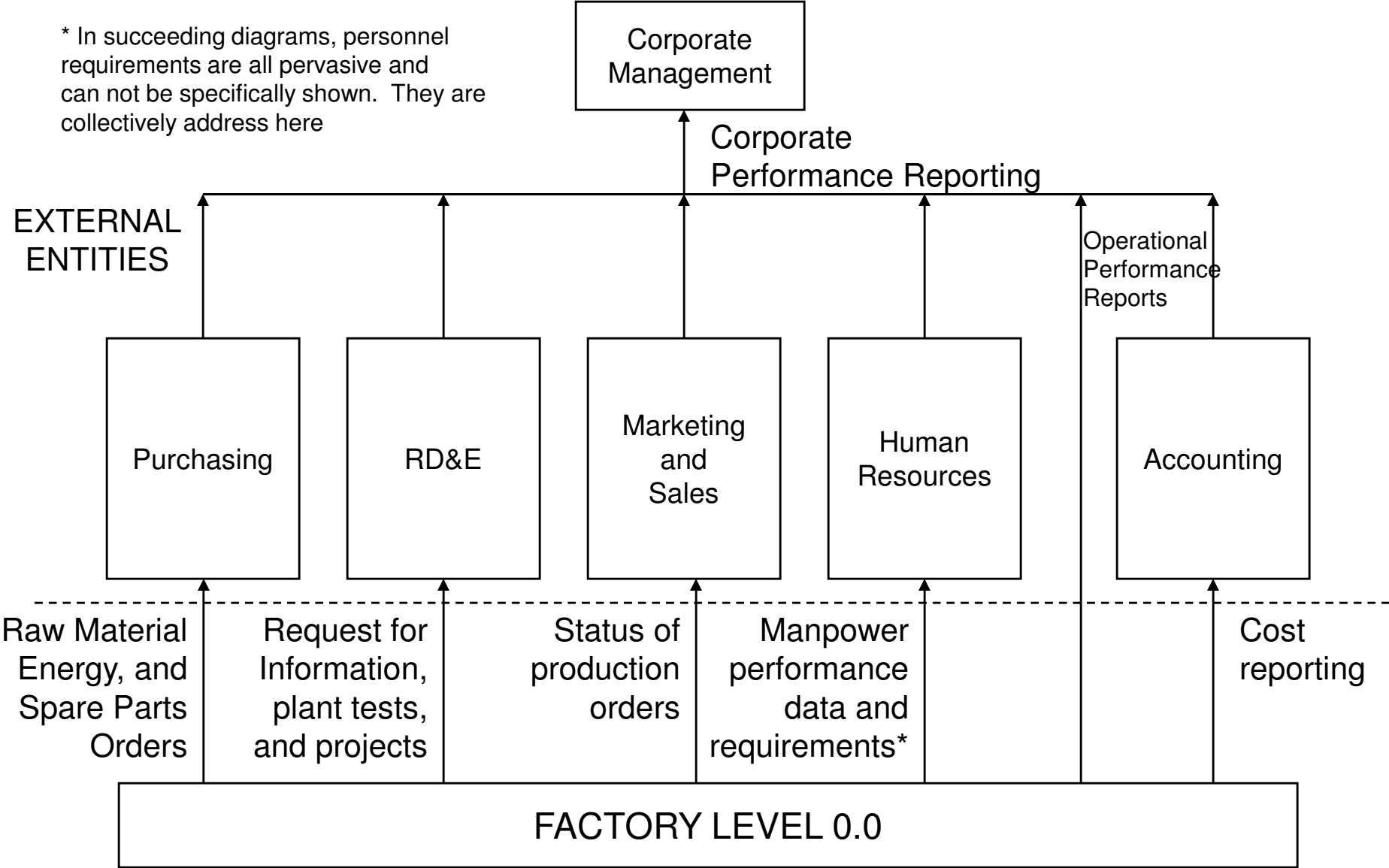
Request for
Information,
plant tests,
and projects

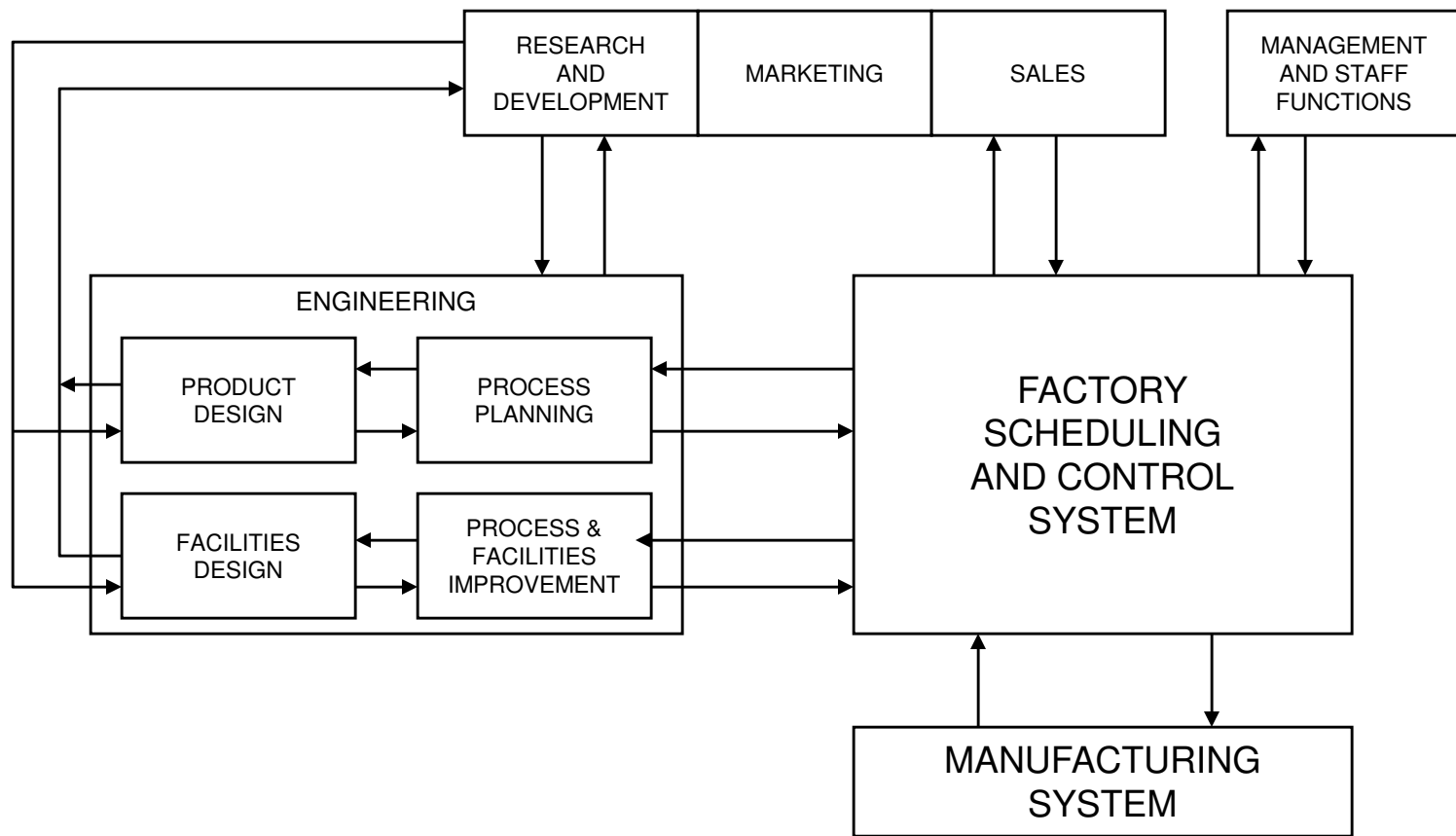
Status of
production
orders

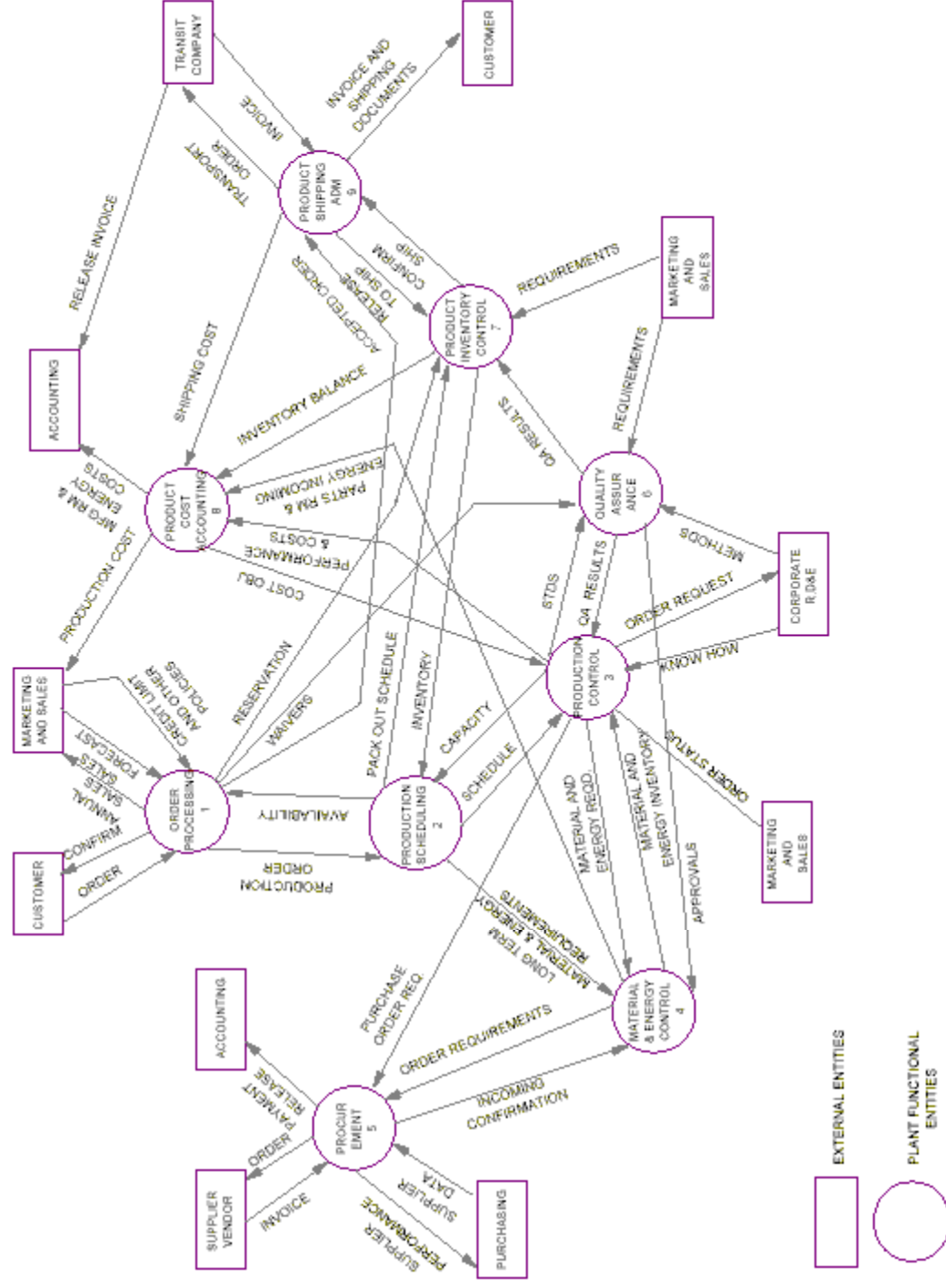
Manpower
performance
data and
requirements*

Cost
reporting

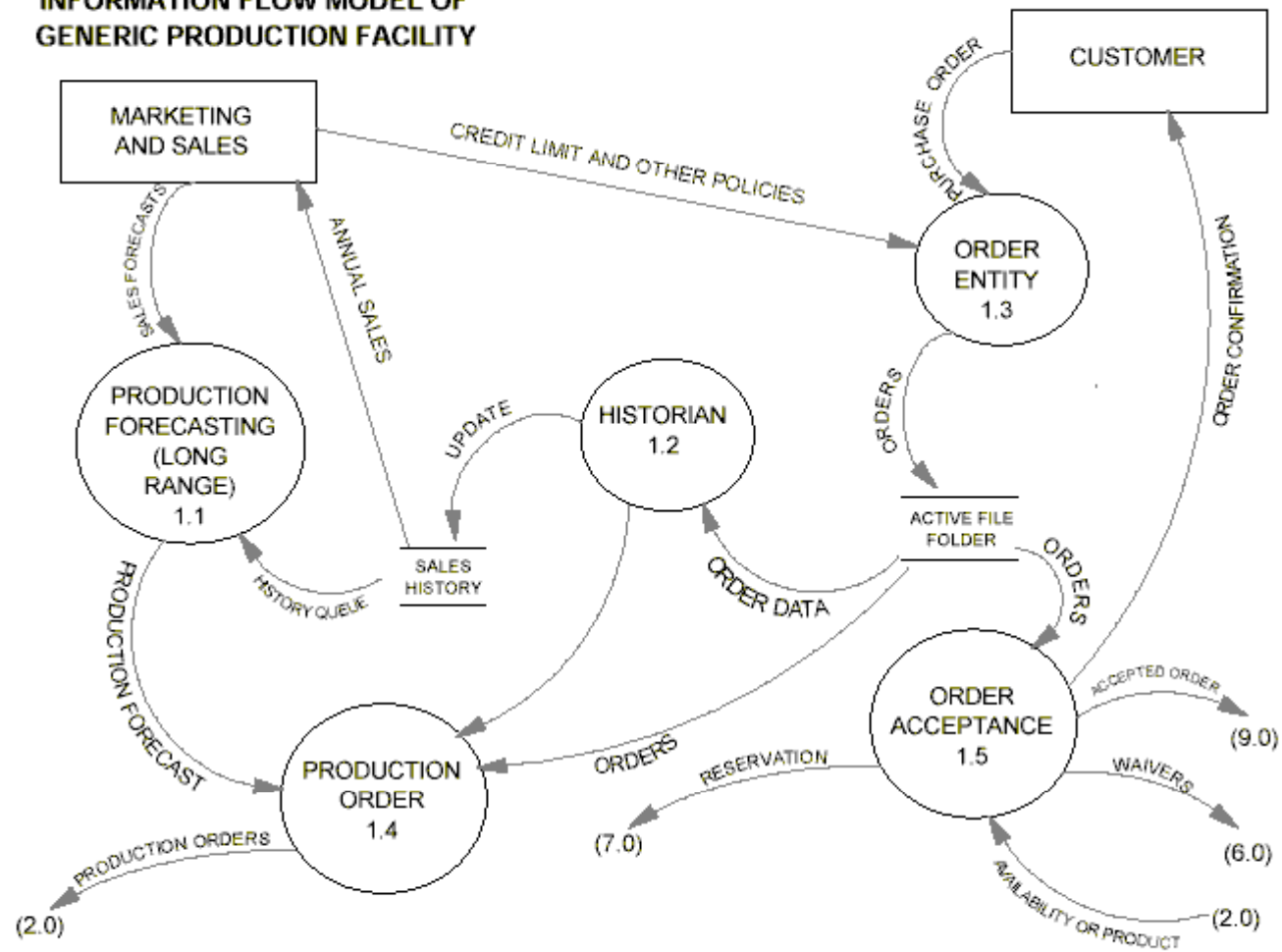
FACTORY LEVEL 0.0

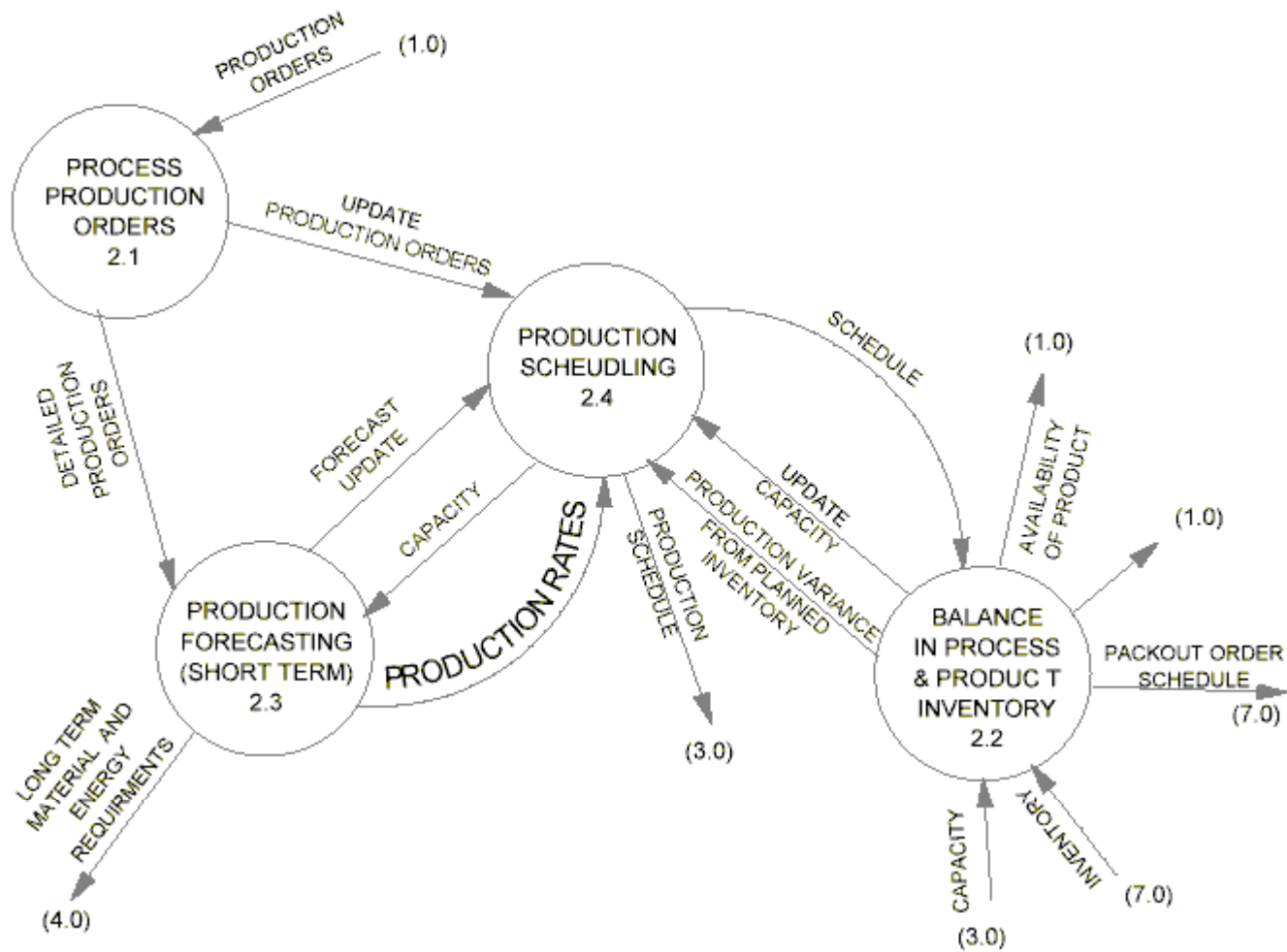






INFORMATION FLOW MODEL OF GENERIC PRODUCTION FACILITY

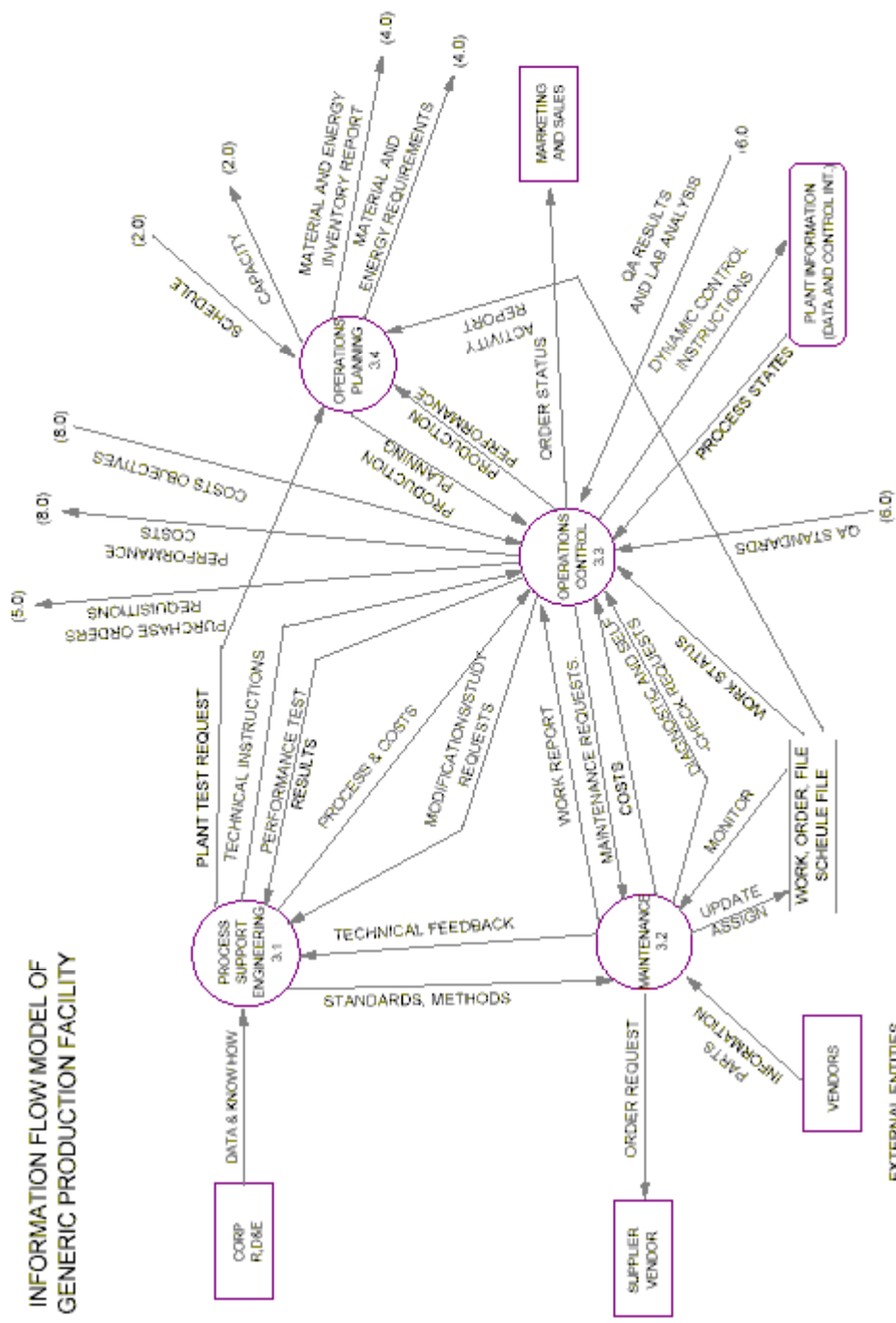




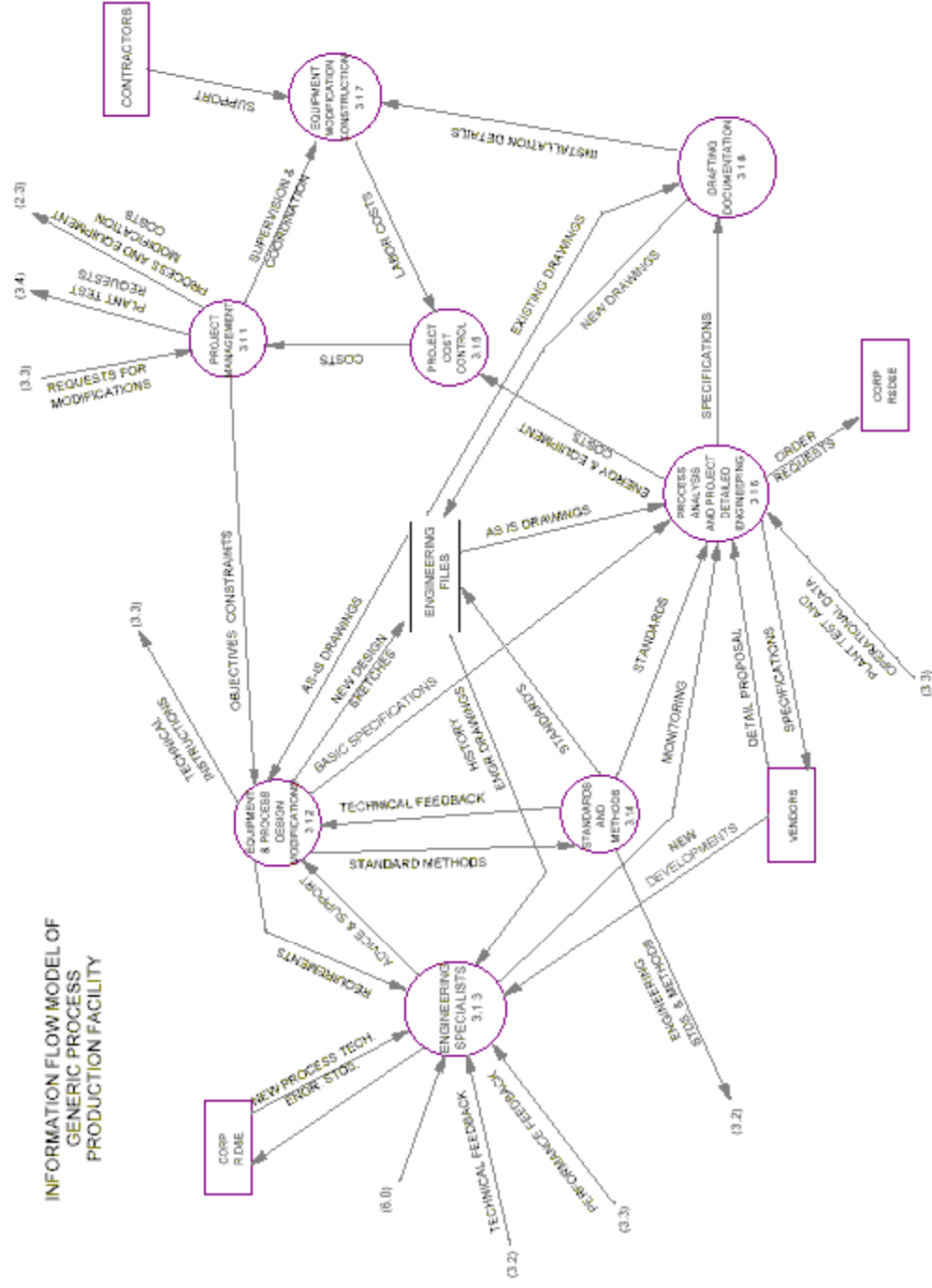
The diagram illustrates the information flow within a generic production facility, centered around four main functional nodes: Process Support Engineering (3.1), Operations Planning (3.4), Operations Control (3.3), and Maintenance (3.2). External entities interact with these nodes through various data flows, each associated with a specific information class and a cardinality value.

Internal Data Flows:

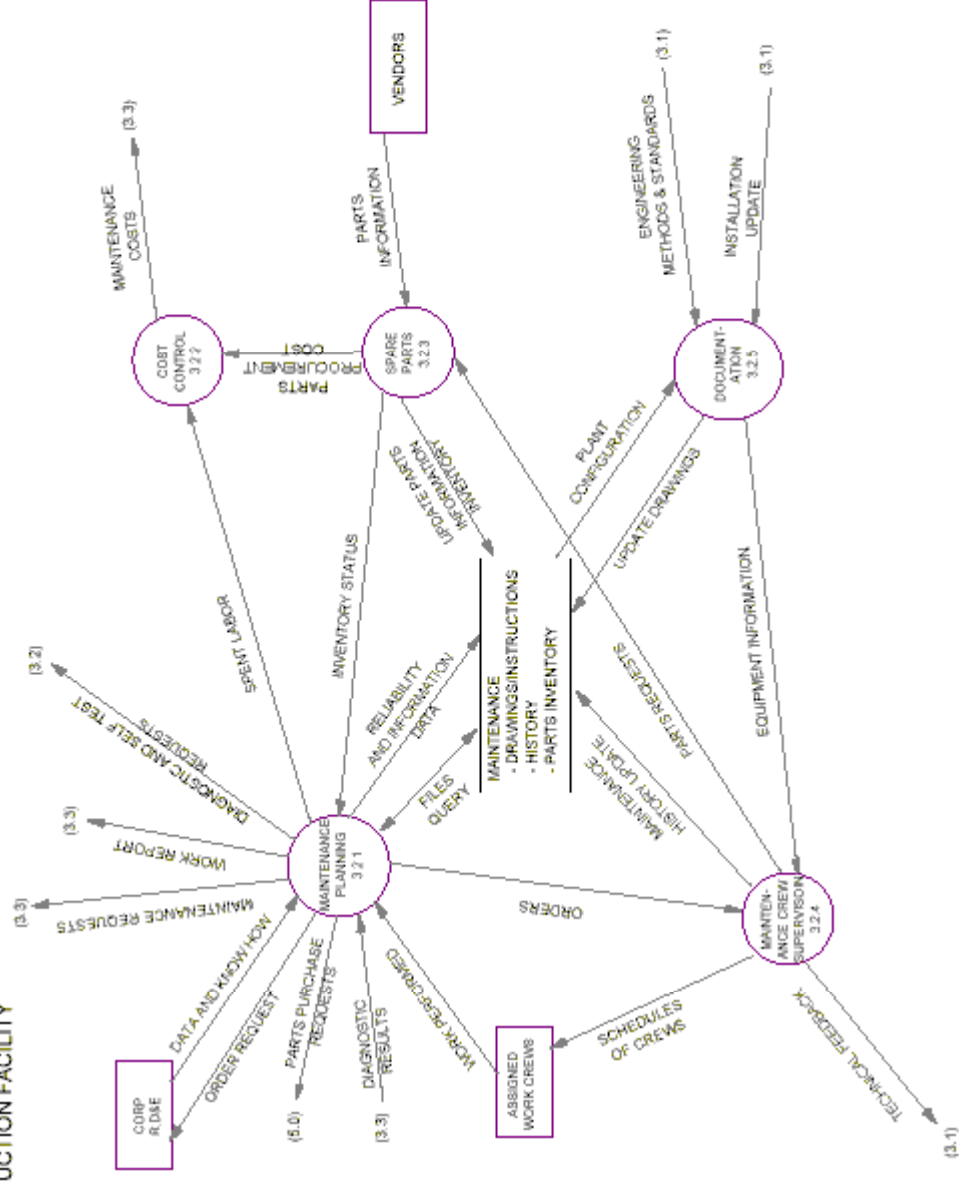
- Process Support Engineering (3.1) to Operations Planning (3.4):**
 - Plant Test Request (5.0)
 - Technical Instructions (8.0)
 - Performance Test Results (8.0)
 - Process & Costs (8.0)
 - Modifications/Study Requests (8.0)
- Operations Planning (3.4) to Operations Control (3.3):**
 - Production Planning (4.0)
 - Production Performance (4.0)
 - Order Status (4.0)
- Operations Control (3.3) to Maintenance (3.2):**
 - Work Report (4.0)
 - Maintenance Requests (4.0)
 - Costs (4.0)
 - Diagnostic and Self Check Requests (4.0)
 - Work Status (4.0)
 - QA Standards (6.0)
- Maintenance (3.2) to Process Support Engineering (3.1):**
 - Technical Feedback (4.0)
 - Standards, Methods (4.0)
- Operations Control (3.3) to Process Support Engineering (3.1):**
 - Purchase Orders (5.0)
 - Performance Costs (8.0)
 - Costs Objectives (8.0)
- Operations Control (3.3) to Operations Planning (3.4):**
 - Order Status (4.0)
 - Activity Report (4.0)
- Operations Control (3.3) to Marketing and Sales:**
 - Order Status (4.0)
- Operations Control (3.3) to Plant Information (Data and Control):**
 - QA Results and Lab Analysis (6.0)
 - Dynamic Control Instructions (6.0)
 - Process States (6.0)
- Maintenance (3.2) to Plant Information (Data and Control):**
 - Work, Order, File Schedule File (6.0)
- External Interactions:**
 - Supplier Vendor:**
 - Order Request (4.0) to Maintenance (3.2)
 - Vendors:**
 - Parts Information (4.0) to Maintenance (3.2)
 - Corp R/D&E:**
 - Data & Know/How (4.0) to Process Support Engineering (3.1)



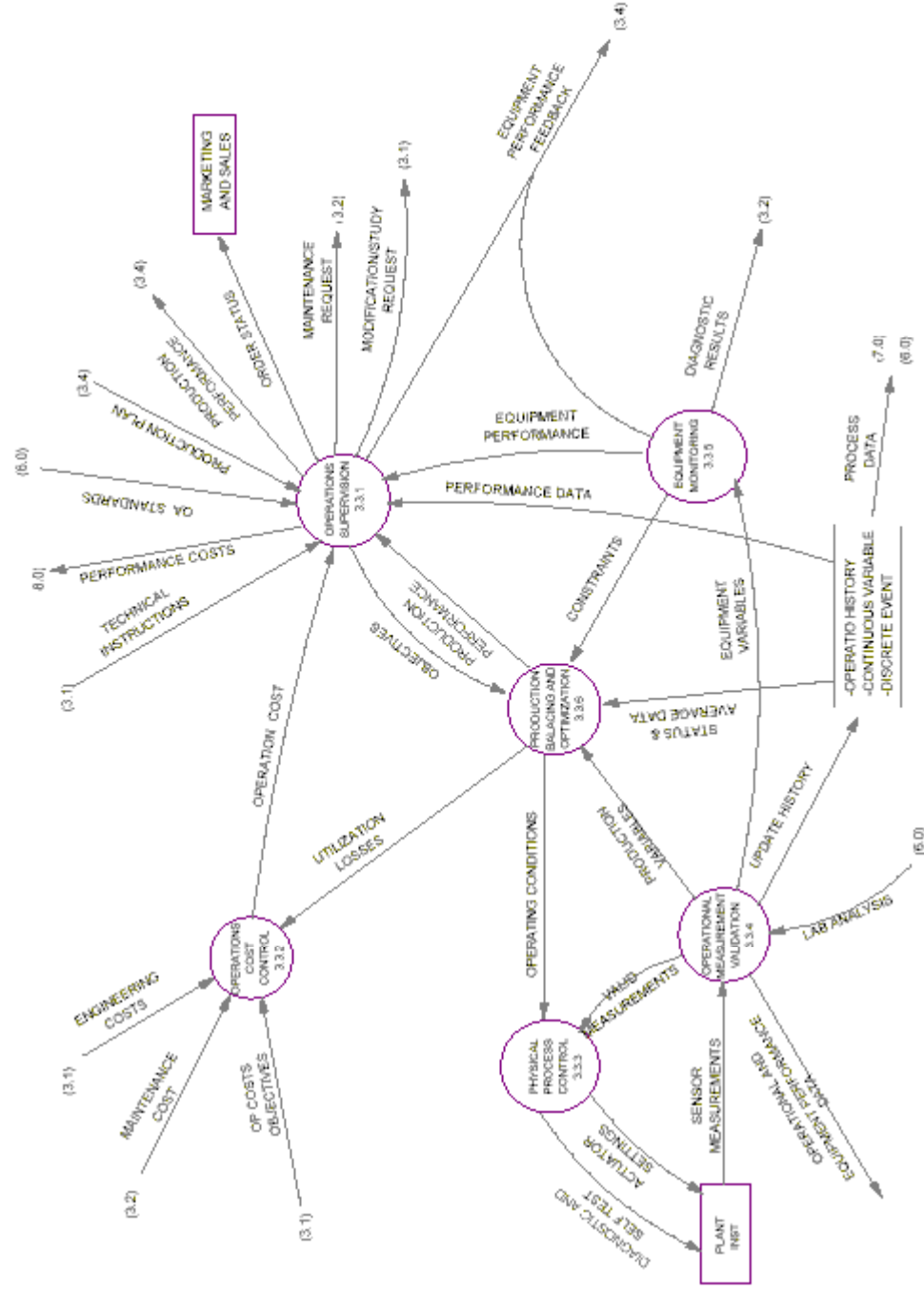
INFORMATION FLOW MODEL OF
GENERIC PROCESS
PRODUCTION FACILITY



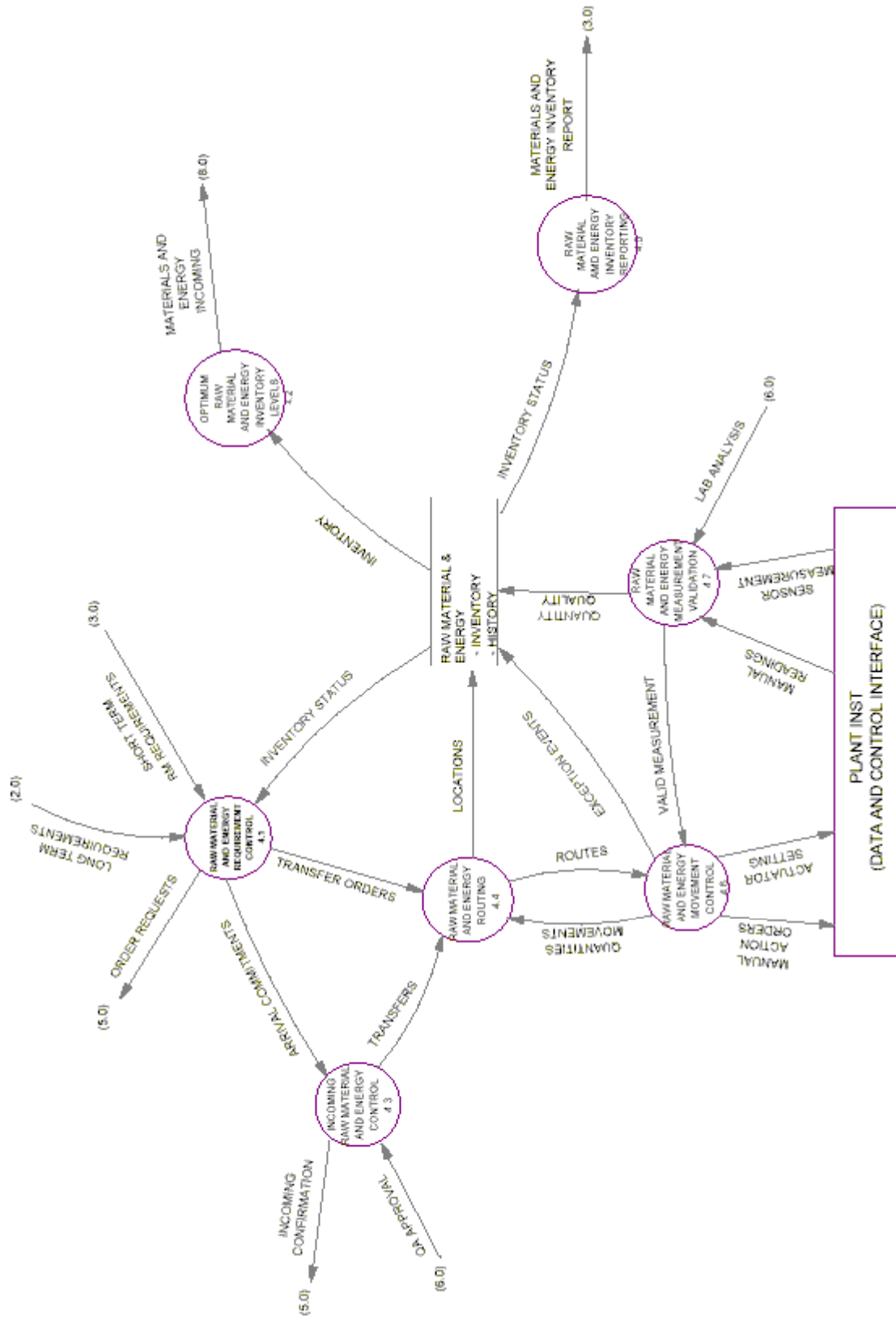
INFORMATION FLOW MODEL OF GENERIC PRODUCTION FACILITY



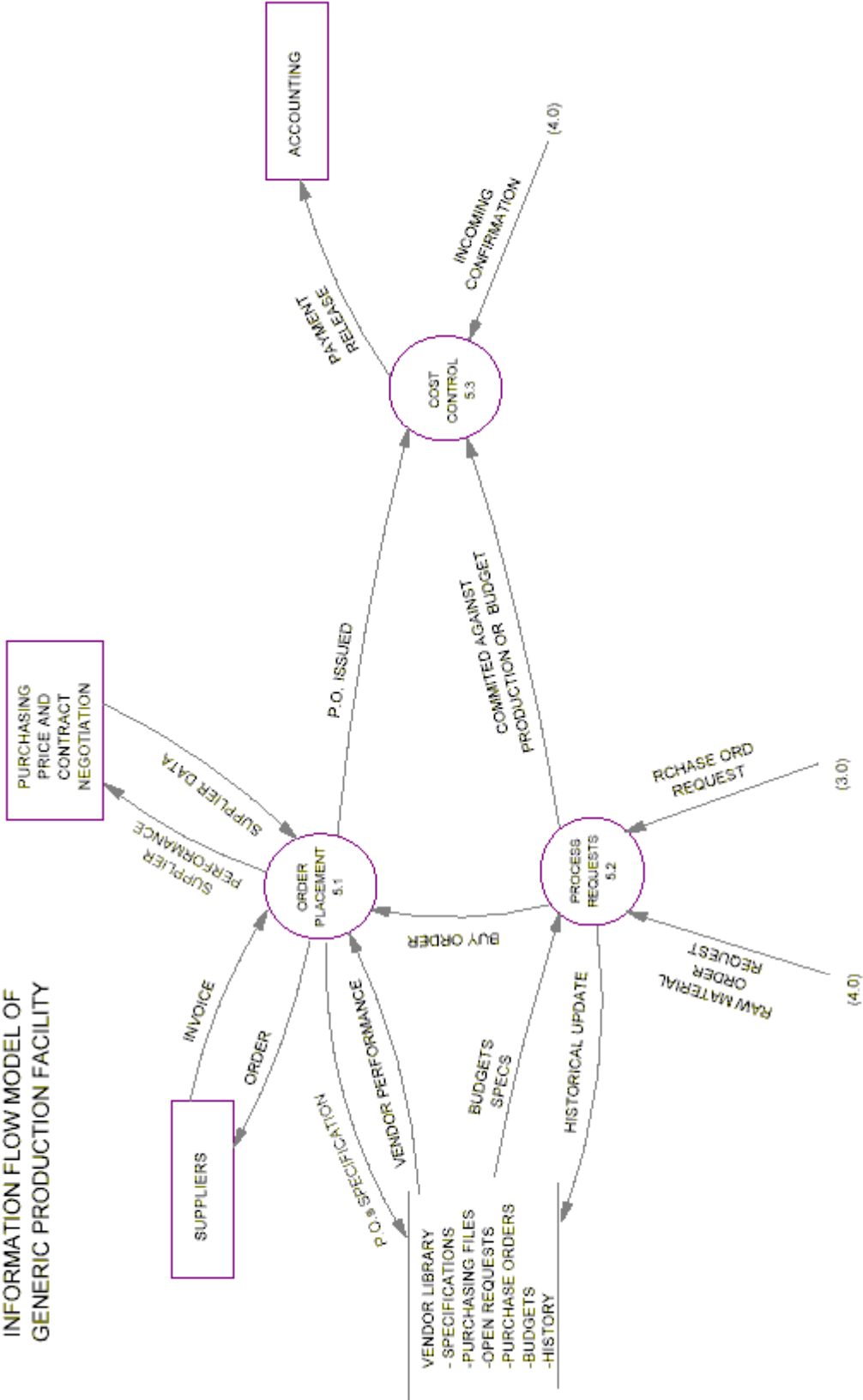
INFORMATION FLOW MODEL OF
GENERIC PRODUCTION FACILITY

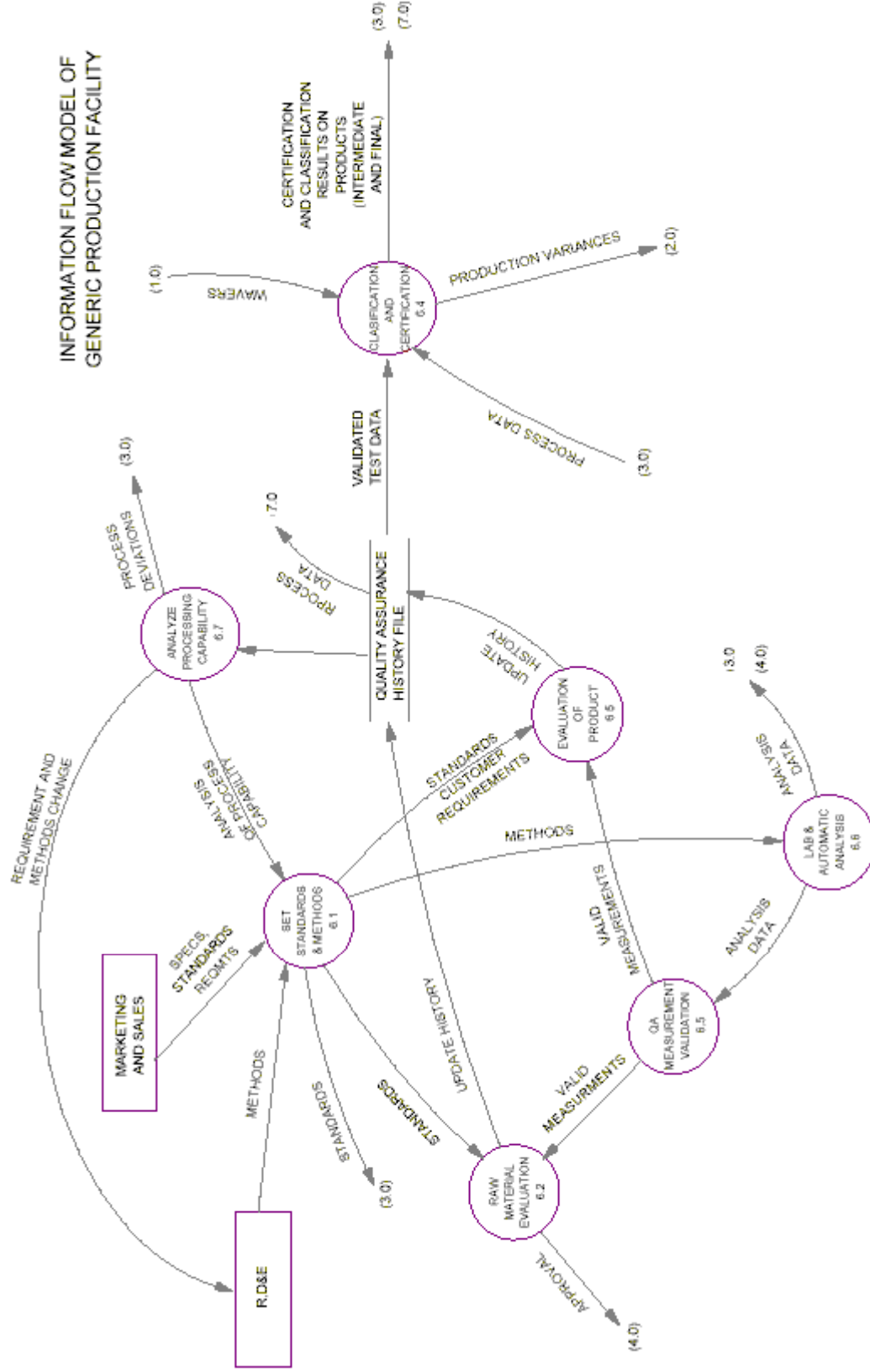


INFORMATION FLOW MODEL OF GENERIC PRODUCTION FACILITY

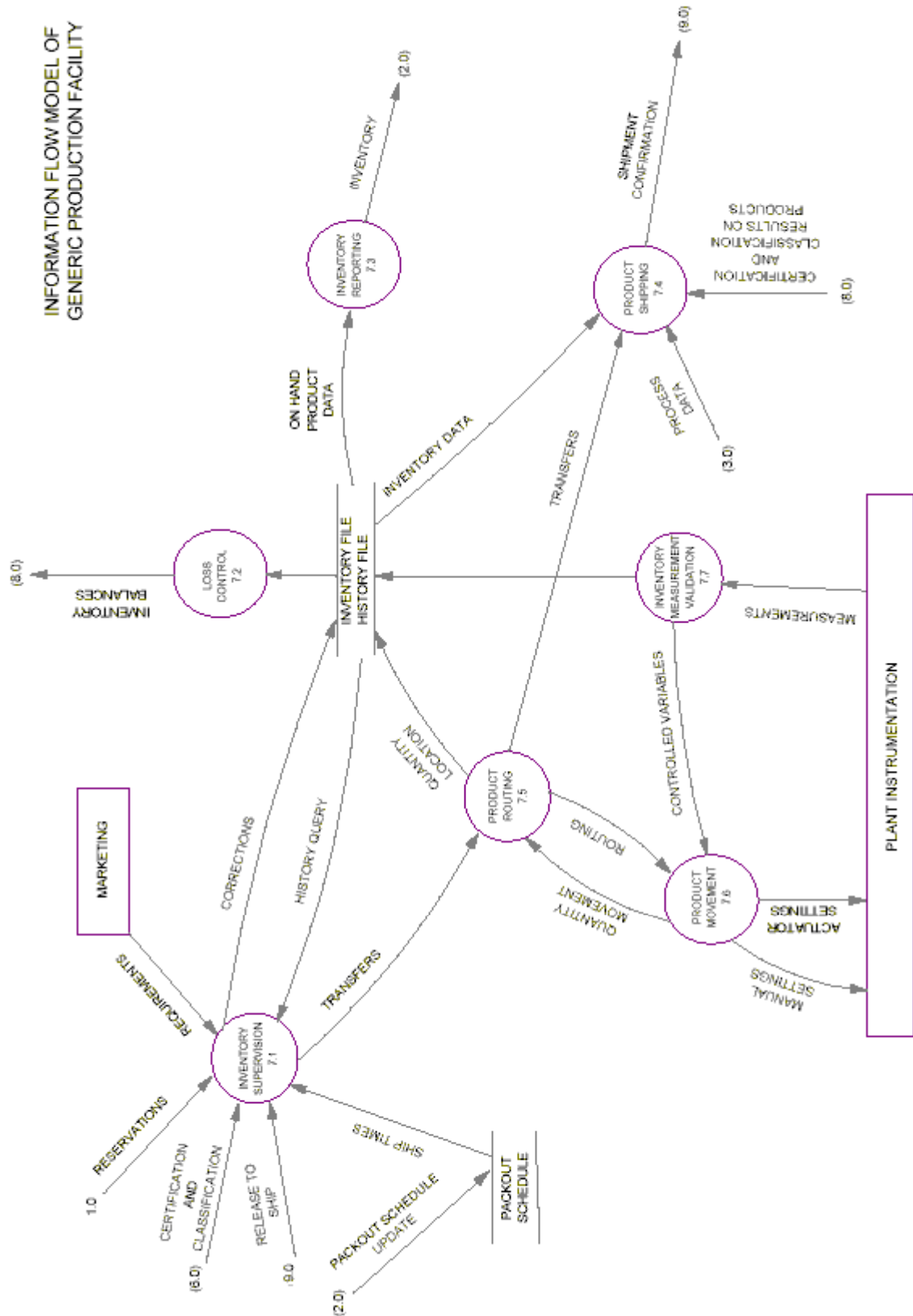


INFORMATION FLOW MODEL OF GENERIC PRODUCTION FACILITY

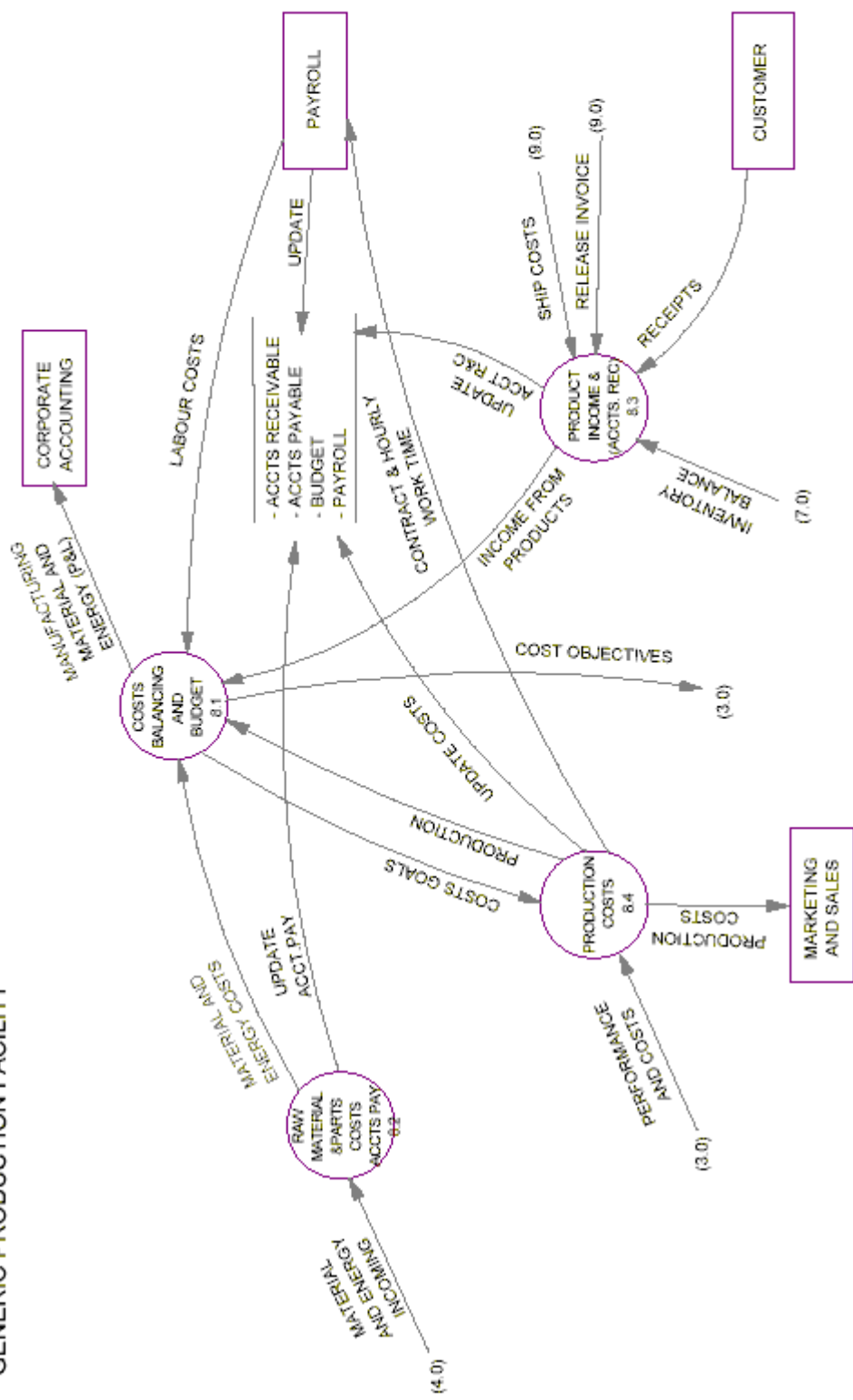




INFORMATION FLOW MODEL OF GENERIC PRODUCTION FACILITY



INFORMATION FLOW MODEL OF GENERIC PRODUCTION FACILITY



INFORMATION FLOW MODEL OF GENERIC PRODUCTION FACILITY

