EWCE 432

Environmental Engineering Design Sessional

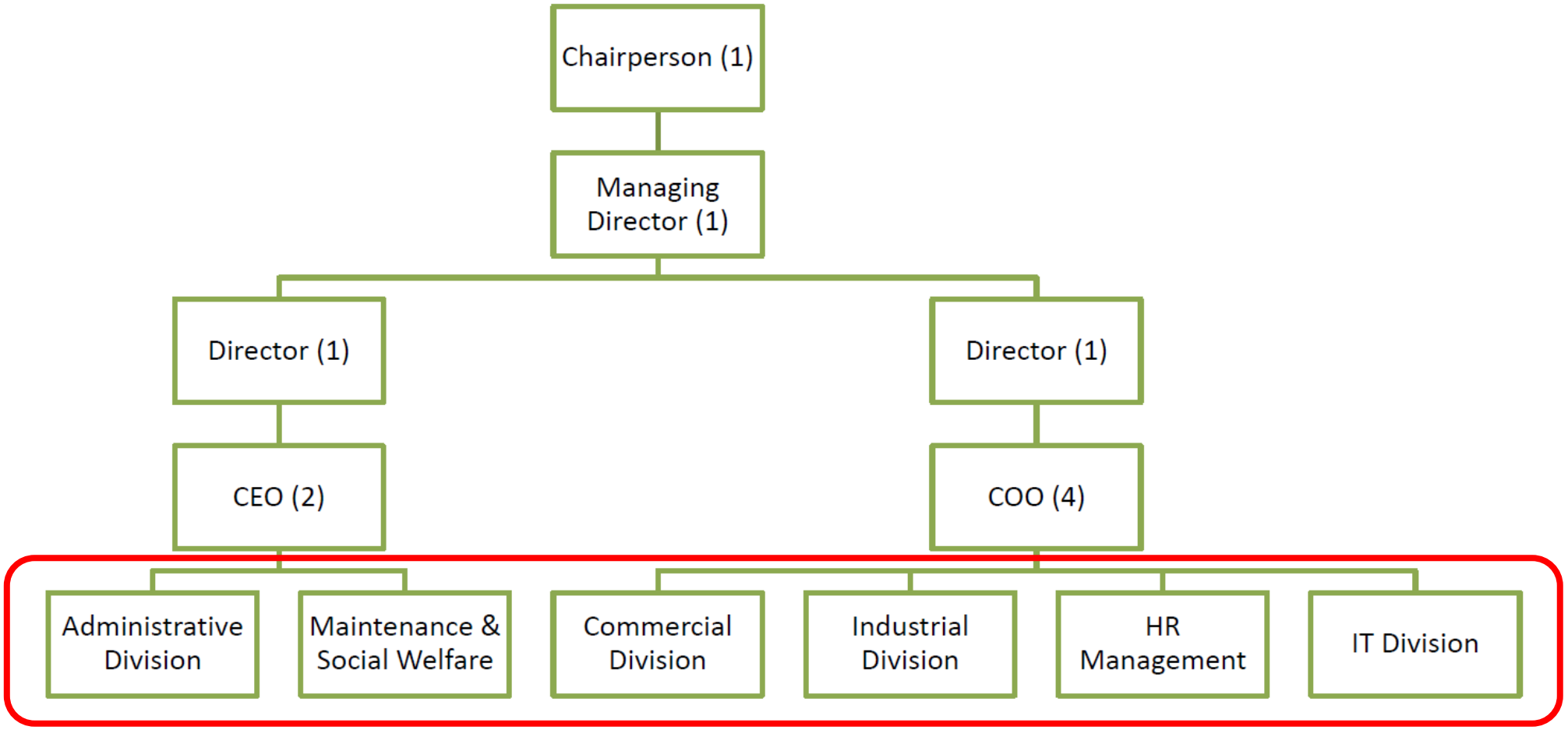
Organogram

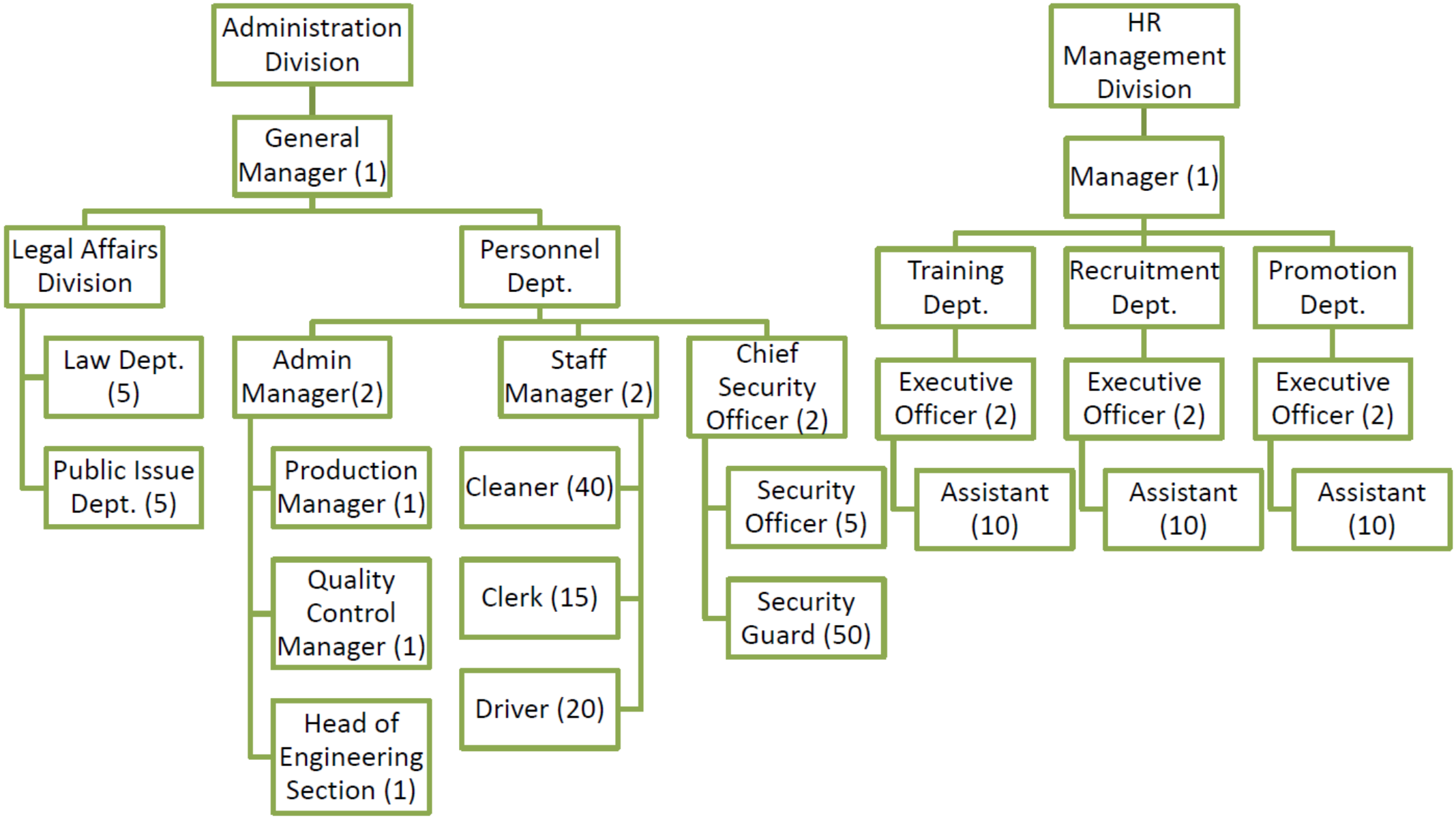
- An Organogram is a diagram that explains the relationship between different people in an organization.
- An Organogram describes the jobs of each establishment at different levels and describes their relationships. It is generally known as Organizational Chart.

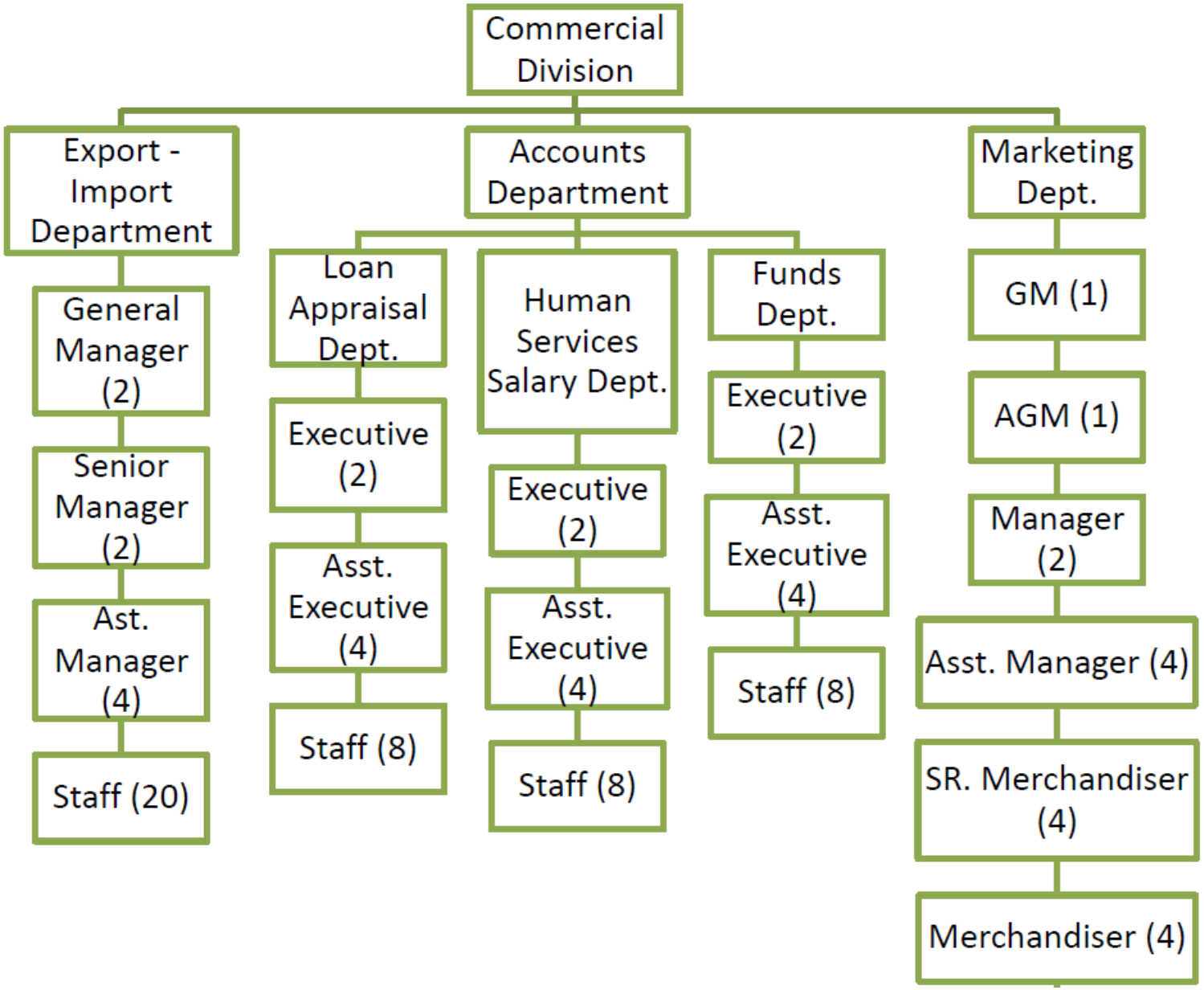
Typical Wings of an Industry

- Administrative Wing
- Commercial Wing
- Industrial Wing
- Human Resource Management Wing
- Maintenance and Social Welfare Wing

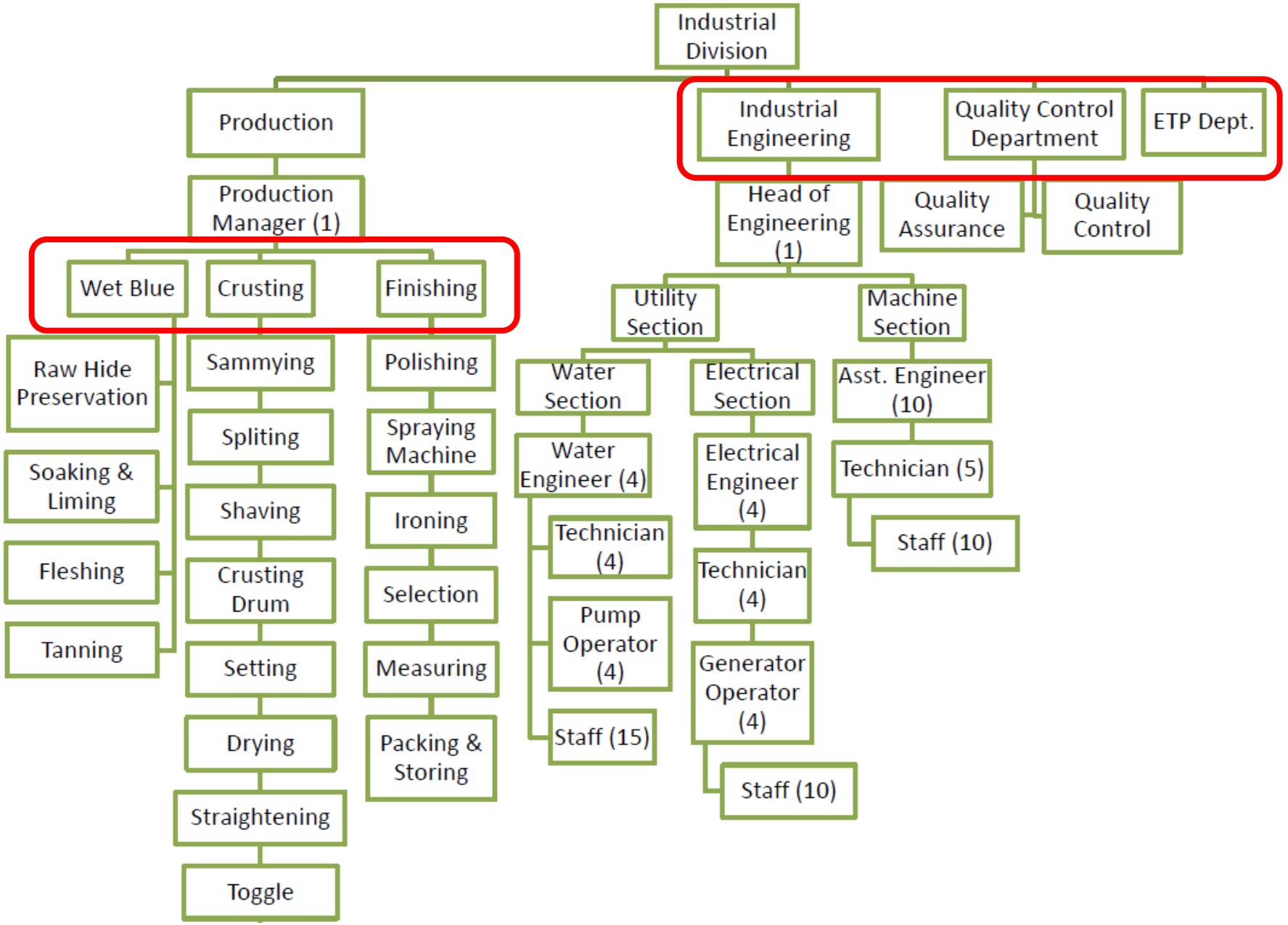
Sample Organogram

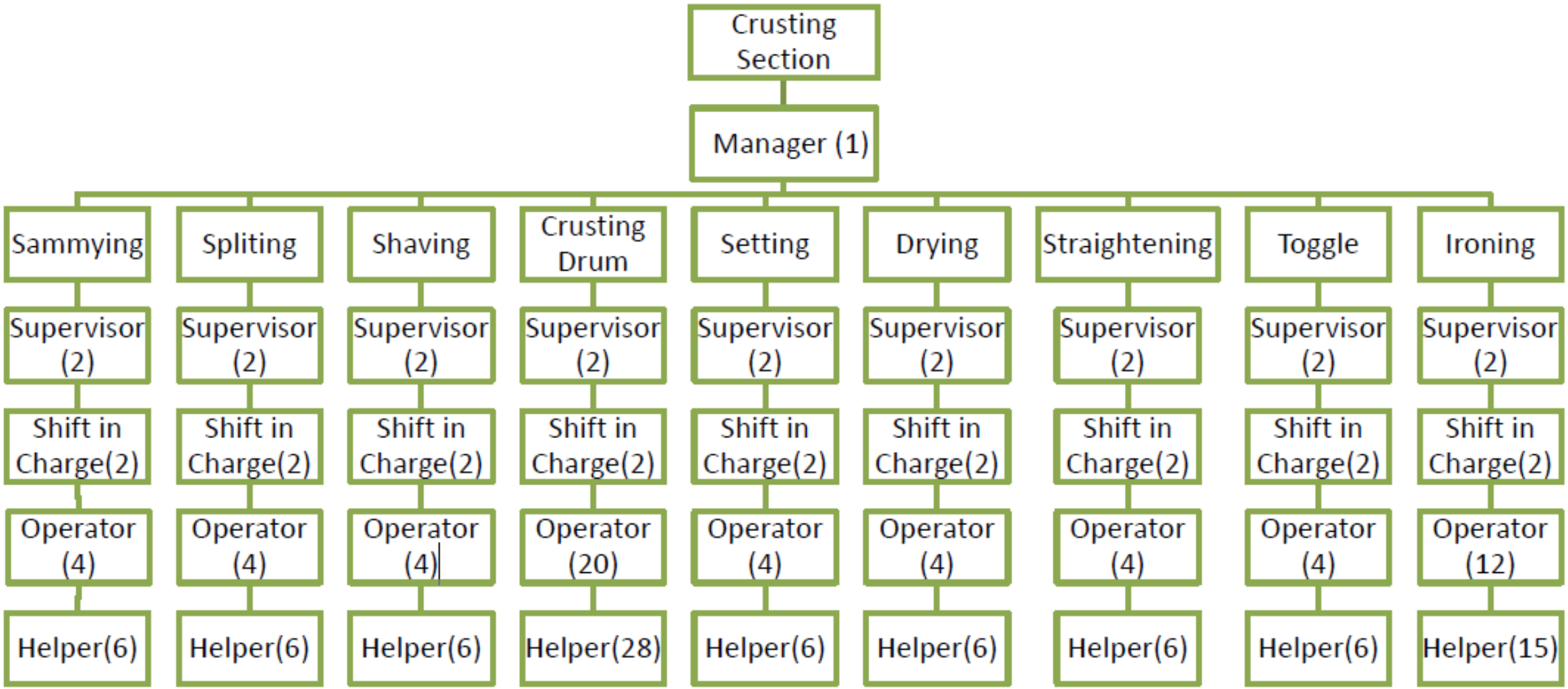



Administration Division
General Manager (1)
Legal Affairs Division
Law Dept. (5)
Public Issue Dept. (5)
Personnel Dept.
Admin Manager(2)
Production Manager (1)
Quality Control Manager (1)
Head of Engineering Section (1)
Staff Manager (2)
Cleaner (40)
Clerk (15)
Driver (20)
Chief Security Officer (2)
Security Officer (5)
Security Guard (50)
HR Management Division
Manager (1)
Training Dept.
Executive Officer (2)
Assistant (10)
Recruitment Dept.
Executive Officer (2)
Assistant (10)
Promotion Dept.
Executive Officer (2)
Assistant (10)

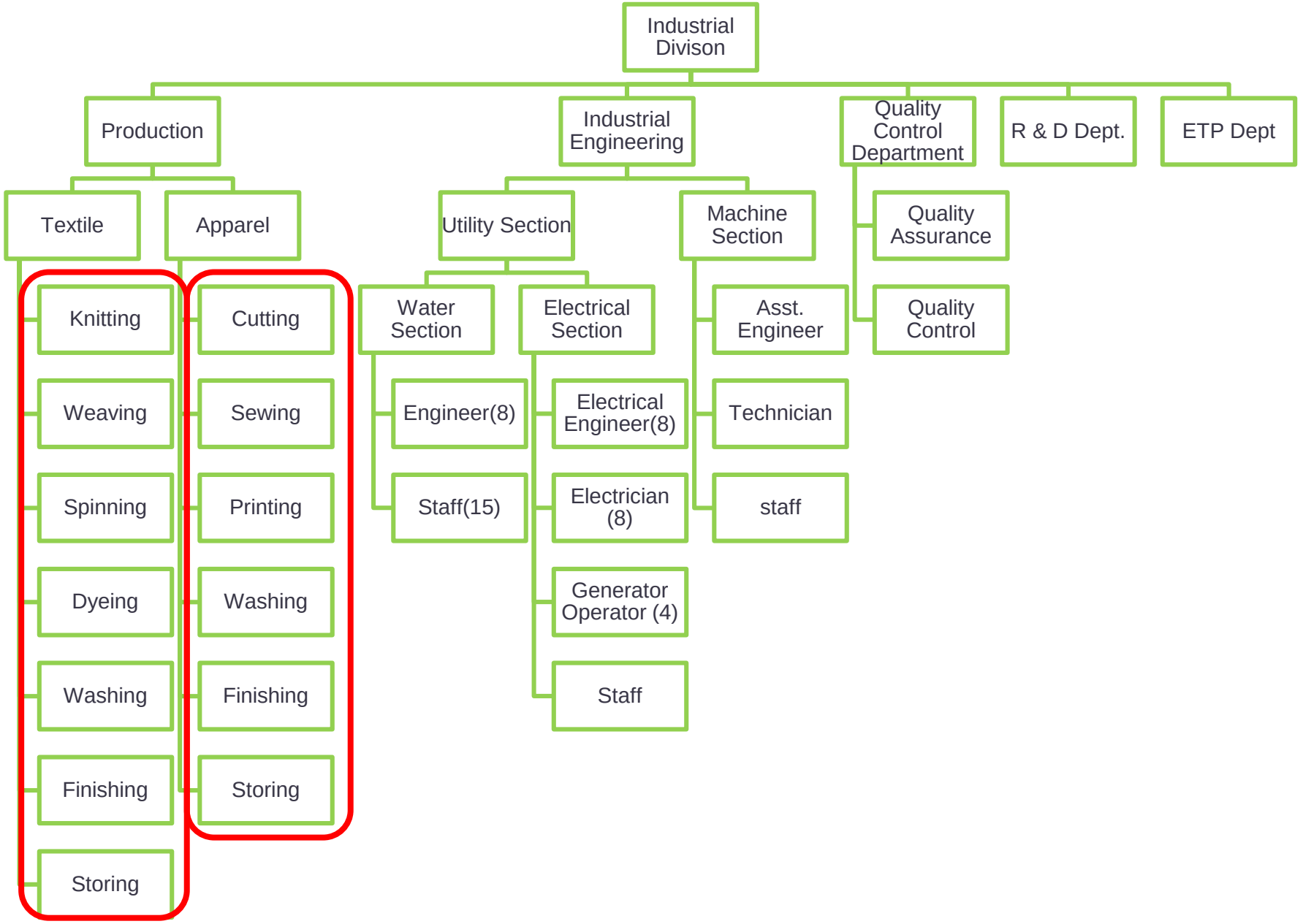

Commercial Division
Export - Import Department
General Manager (2)
Senior Manager (2)
Ast. Manager (4)
Staff (20)
Accounts Department
Loan Appraisal Dept.
Executive (2)
Asst. Executive (4)
Staff (8)
Human Services Salary Dept.
Executive (2)
Asst. Executive (4)
Staff (8)
Funds Dept.
Executive (2)
Asst. Executive (4)
Staff (8)
Marketing Dept.
GM (1)
AGM (1)
Manager (2)
Asst. Manager (4)
SR. Merchandiser (4)
Merchandiser (4)

Tannery Industry




Crusting Section
Manager (1)
Sammying
Spliting
Shaving
Crusting Drum
Setting
Drying
Straightening
Toggle
Ironing
Supervisor (2)
Shift in Charge(2)
Operator (4)
Operator (20)
Operator (12)
Helper(6)
Helper(28)
Helper(15)

Textile Industry



Layout

- Administrative Zone, Industrial Zone (Including individual units), Residential Zone, Common Service Area, etc. are shown in layout.
- A highway is on one side of the village and a river flowing along another side. The width of highway is assumed 72’.
- Internal road network is clearly visible in the layout. All internal road width 40’.
- The ETP location is such that the final treated effluent can be discharged in the adjacent river.
- The road network is designed considering route for incoming raw material and outgoing finished products.
- In the residential zone separate types of quarters is allocated for employees of different administrative status.

Layout

- Common facilities like School, Mosque, Hospital, Community center, Bank, ATM, Super store, Parking, Canteen etc. is included.
- Provisions of parks, playing fields, green spaces, gardens is kept in the village.
- Provisions for future land area expansion for different types of zones (e.g. residential, industrial) is kept while preparing the layout.
- The layout follows grid pattern, which is advantageous while designing pipe network for water distribution and wastewater collection.
- The layout is drawn using AutoCAD. Proper layering is incorporated in the drawing so that different parts like: overall layout, water distribution network, sewer network can be separately visible if needed.

Tannery Industry

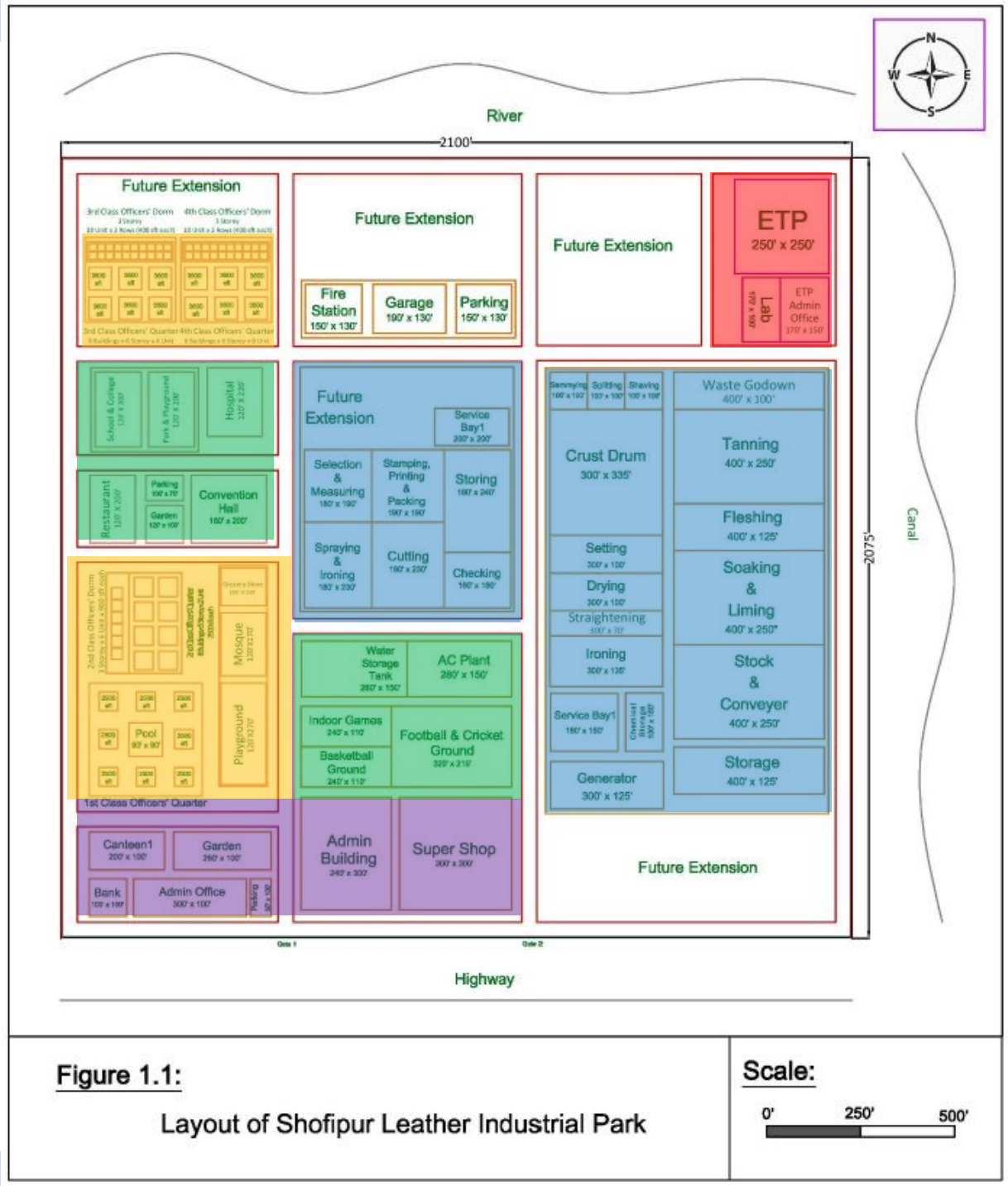


Figure 1.1:

Layout of Shofipur Leather Industrial Park

Scale:

0' 250' 500'

Textile Industry

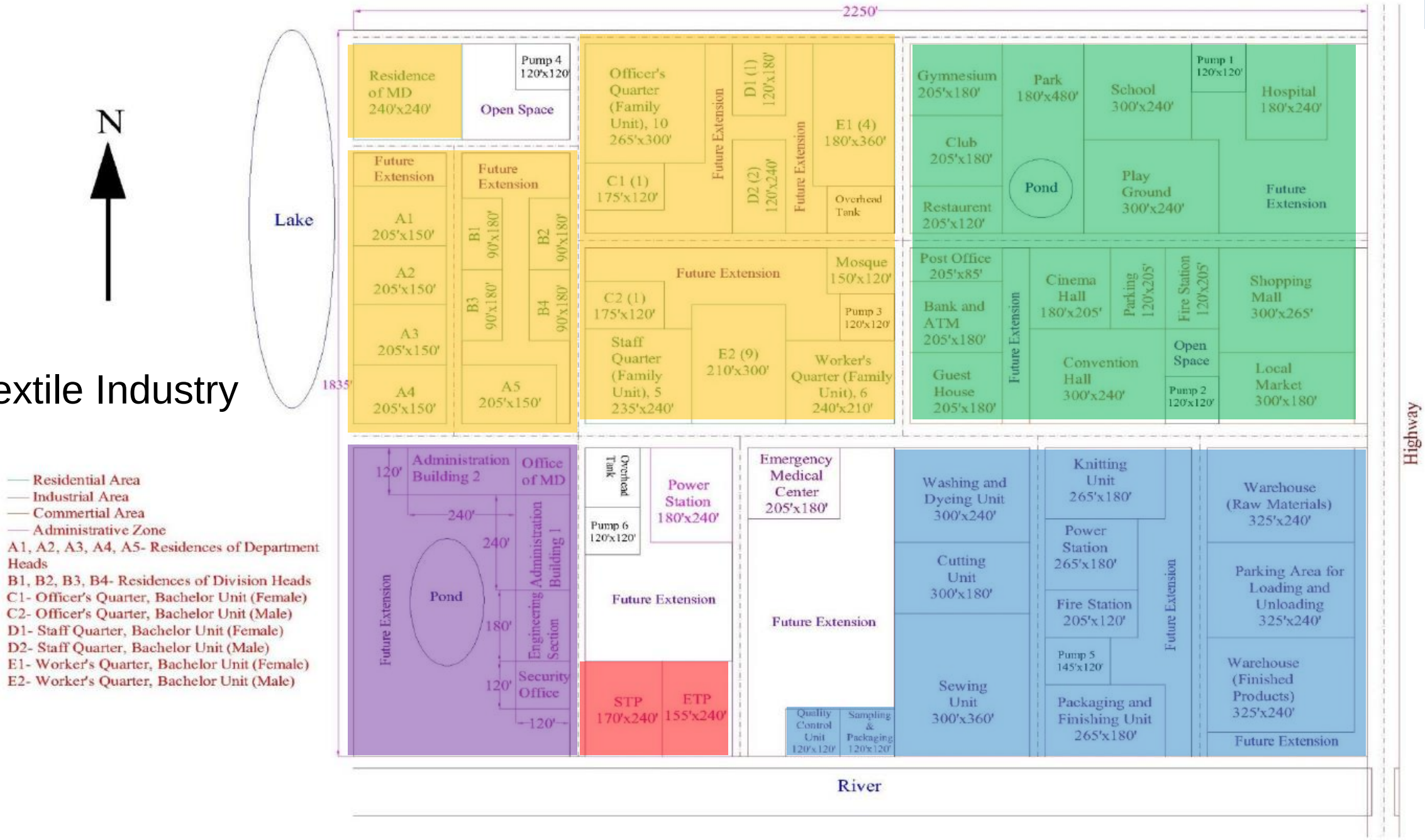


FIGURE 3.1: LAYOUT OF THE INDUSTRIAL VILLAGE