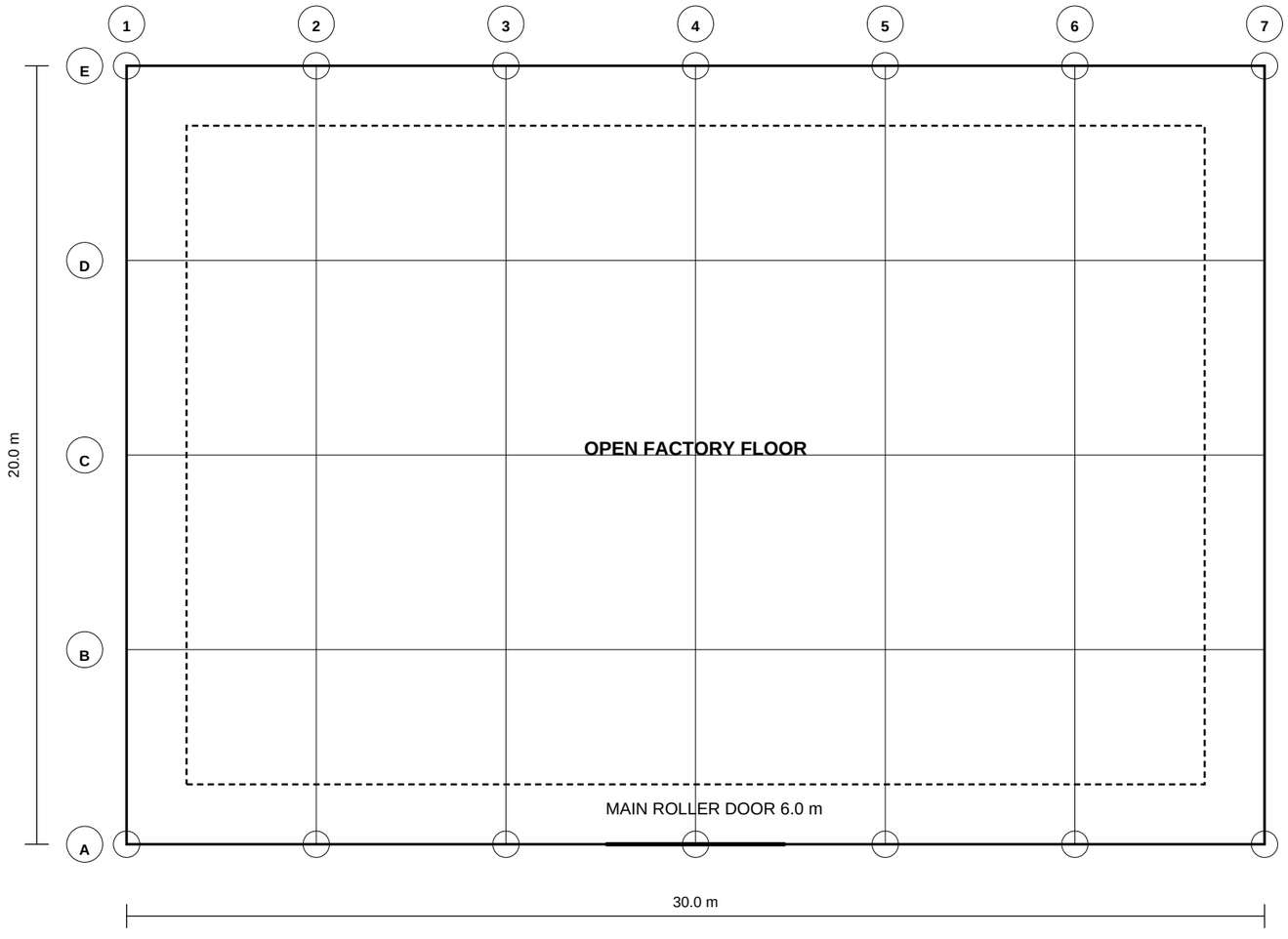
S-01 GENERAL ARRANGEMENT / GRID PLAN



ASSUMED BUILDING:

• 30 m long × 20 m wide

• 6.0 m eaves / 7.2 m ridge

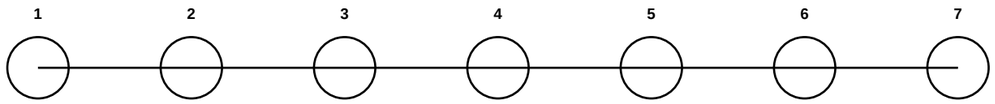
• 5 m grid spacing

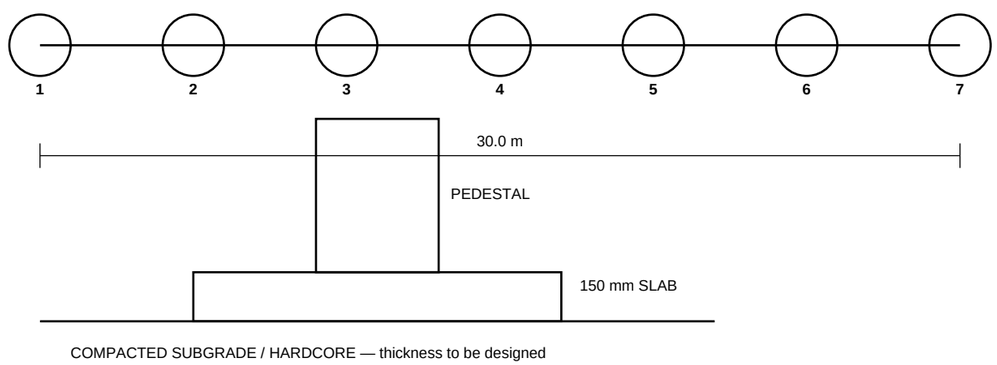
• Single-storey steel frame

• Ground floor slab: 150 mm concept

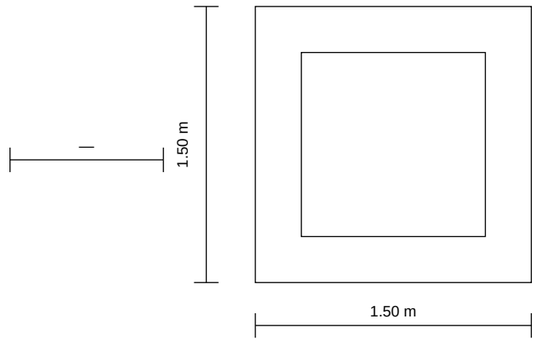
NOTE: Grid and sizes are assumptions for demonstration. Final design requires site survey, geotechnical data, loads, code checks and structural engineer approval.

S-02 FOUNDATION / CONCRETE CONCEPT





TYPICAL PAD FOOTING

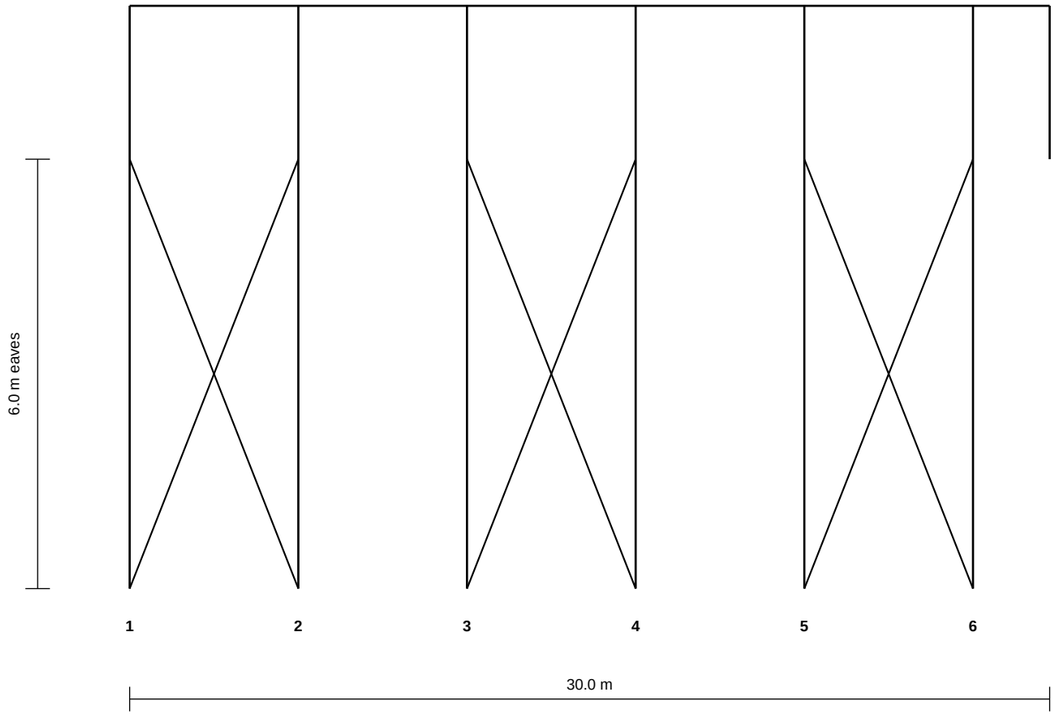


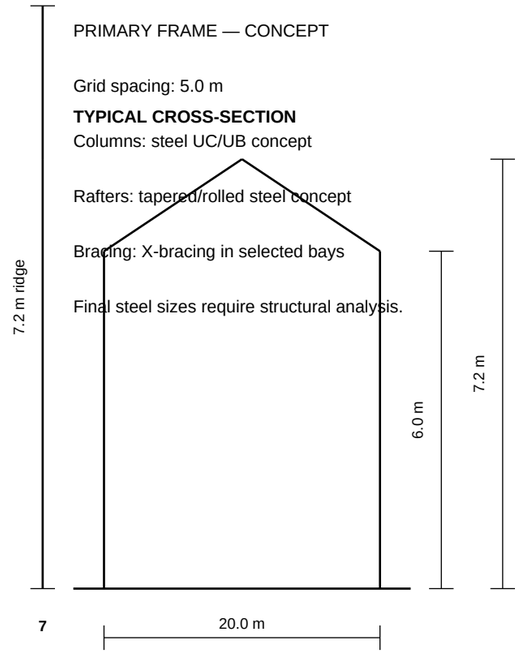
Concept foundation:

- Pad footing 1.50 × 1.50 m
- Pedestal shown 0.30 × 0.30 m
- Ground beam / tie beam concept
- 150 mm floor slab

■ DO NOT use these footing sizes for construction without soil/load design.

S-03 PRIMARY STEEL FRAME / ELEVATION





PRIMARY FRAME — CONCEPT

Grid spacing: 5.0 m

TYPICAL CROSS-SECTION

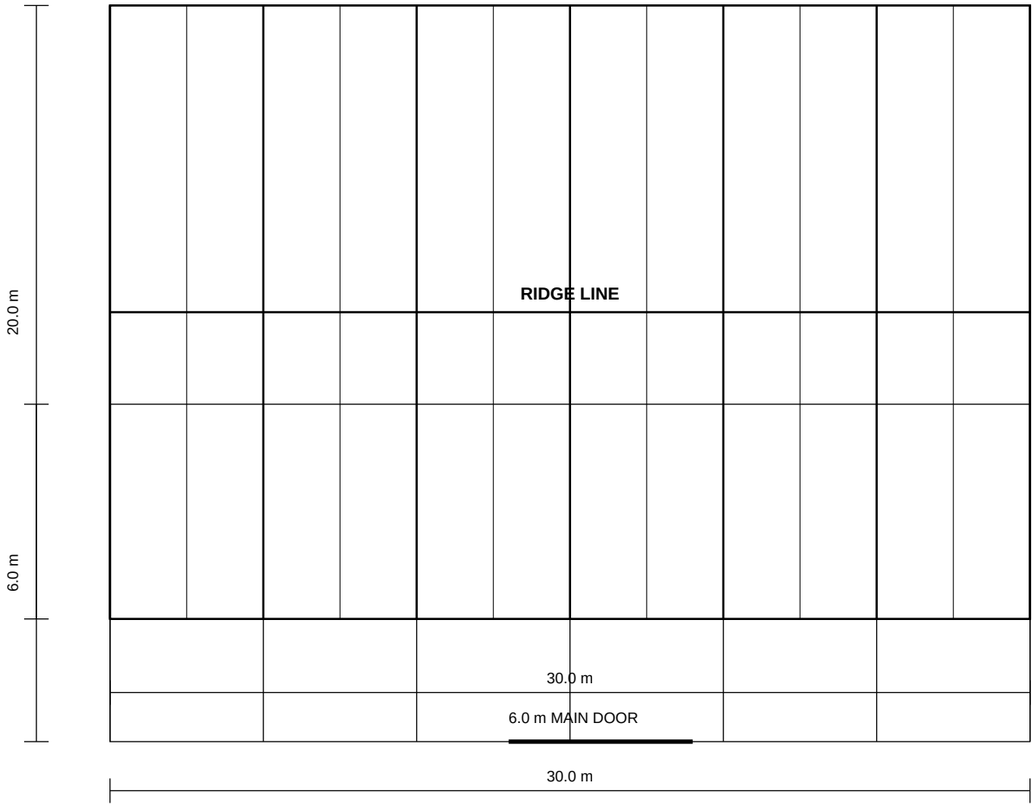
Columns: steel UC/UB concept

Rafters: tapered/rolled steel concept

Bracing: X-bracing in selected bays

Final steel sizes require structural analysis.

S-04 ROOF / WALL CLADDING CONCEPT



CLADDING SCHEDULE — CONCEPT

Roof: insulated metal panel concept

Wall: insulated metal panel concept

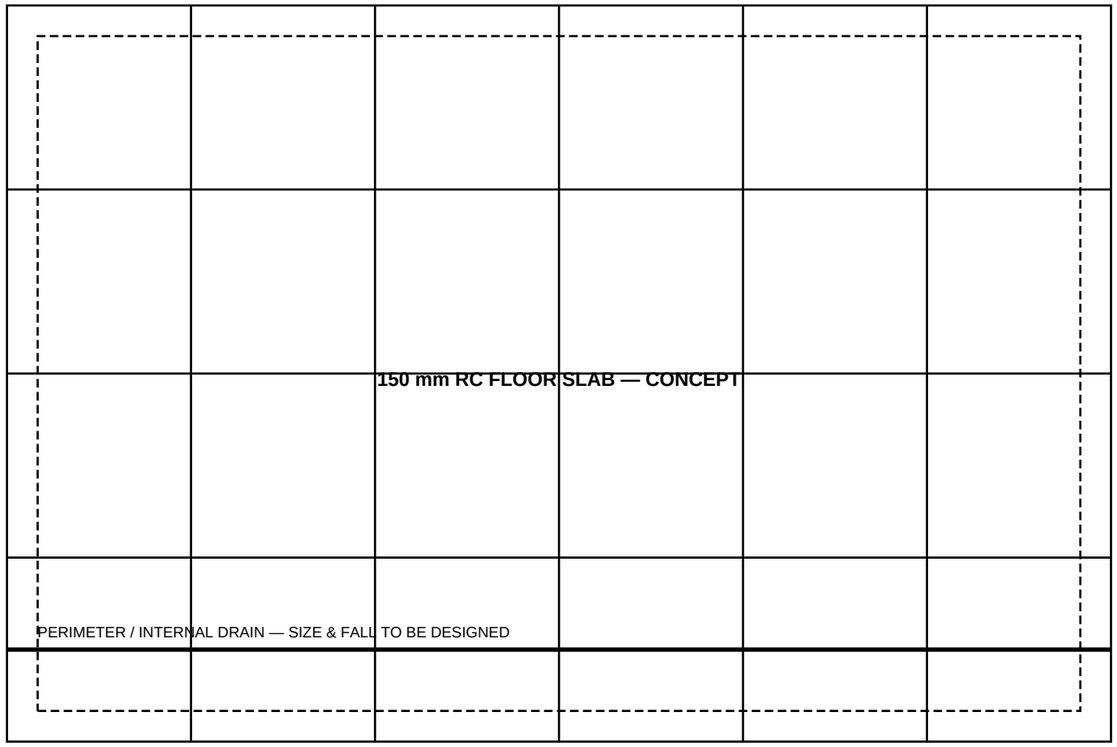
Roof slope: approximately 1:6

Panel thickness: 75 mm assumed

Flashings, gutters and ridge cap required

Openings to be coordinated with structure.

S-05 FLOOR SLAB / DRAINAGE / SERVICE ZONES



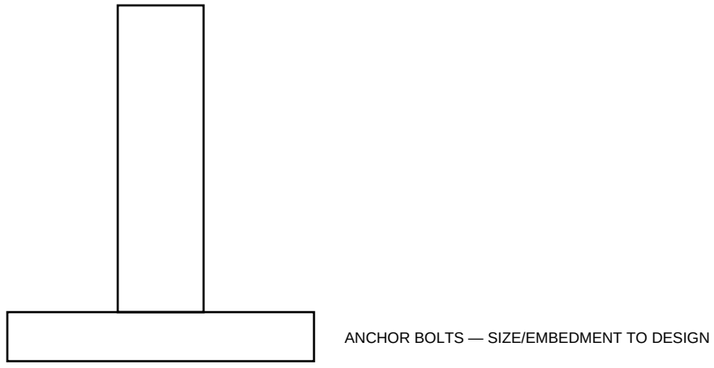
FLOOR CONCEPT

- 150 mm reinforced concrete slab
- Sub-base/hardcore to geotechnical design
- Saw-cut/control joints to be detailed
- Floor loading depends on machinery/use
- Drainage channels shown conceptually

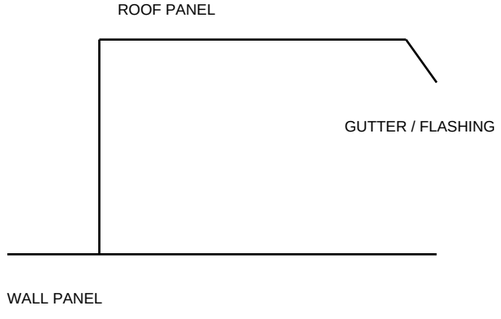
■ Crane, forklift, heavy equipment, machine foundations and pits need separate load-specific engineering.

S-06 TYPICAL DETAILS / DESIGN NOTES

A. TYPICAL STEEL COLUMN BASE (SCHEMATIC)



B. ROOF EAVE / GUTTER (SCHEMATIC)



GENERAL DESIGN NOTES

1. This is an illustrative concept drawing prepared from assumed dimensions.
2. It is NOT a construction drawing, certified engineering design, or approval submission.
3. Final foundation dimensions require soil investigation / allowable bearing capacity.
4. Final steel member sizes require structural analysis for dead, live, wind and other applicable loads.
5. Roof/wall cladding, purlins, girts, bracing and connections must be designed as a complete system.
6. Concrete reinforcement, anchor bolts and connection details must be engineered before construction.
7. Fire protection, electrical, mechanical, plumbing, drainage and authority requirements are separate disciplines.
8. Dimensions shown: 30 m × 20 m building, 6 m eaves, 7.2 m ridge, 5 m grid.
9. A qualified structural engineer must verify the final design against applicable Malaysian requirements.