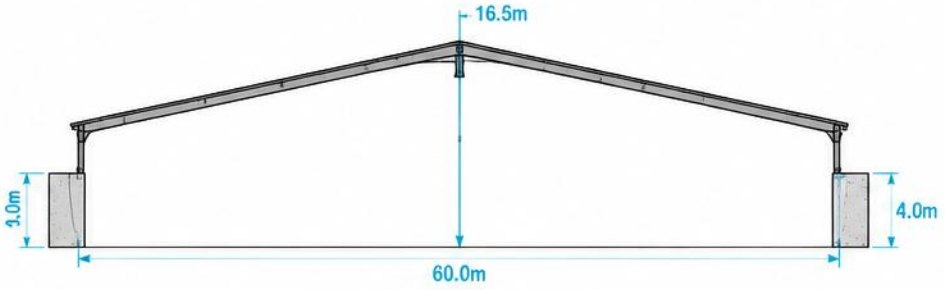
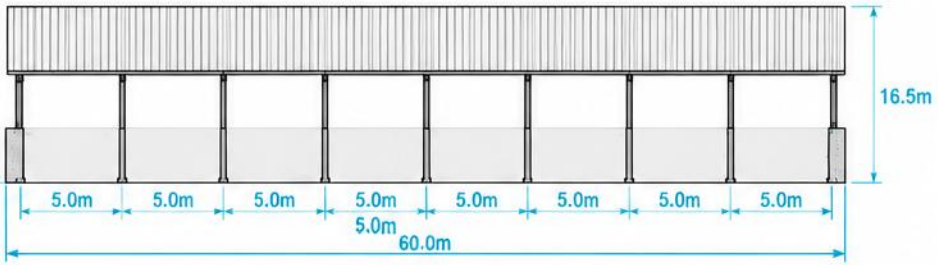
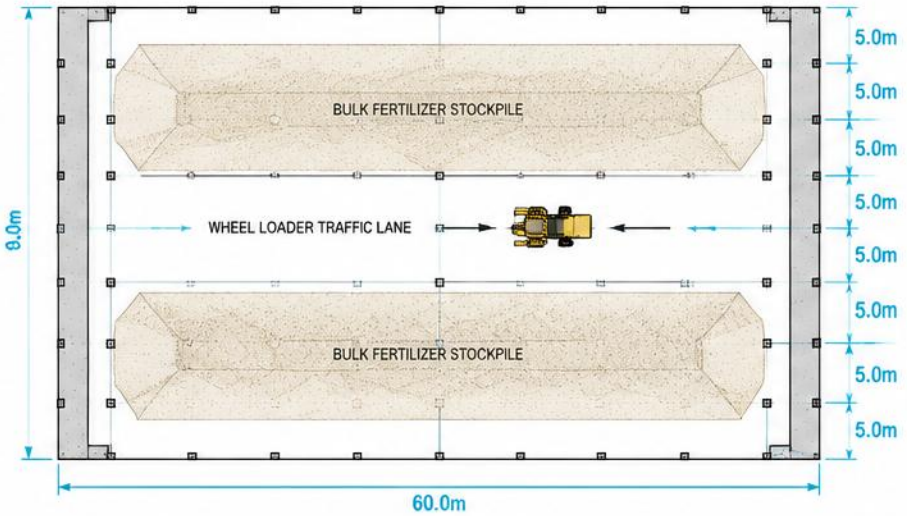


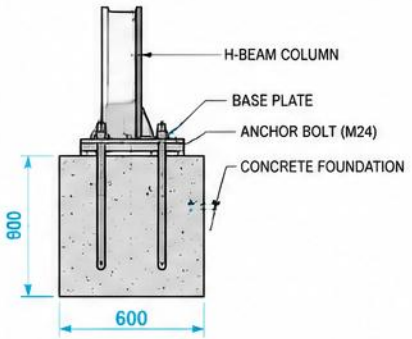
FRONT ELEVATION (PORTAL FRAME)
(CLEAR SPAN 60.0m)



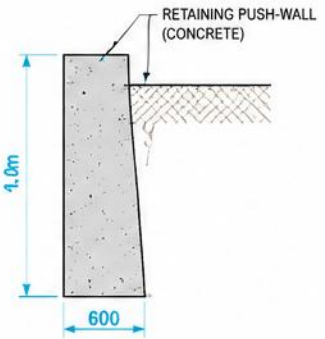
SIDE ELEVATION
(5.0m BAY SPACING)



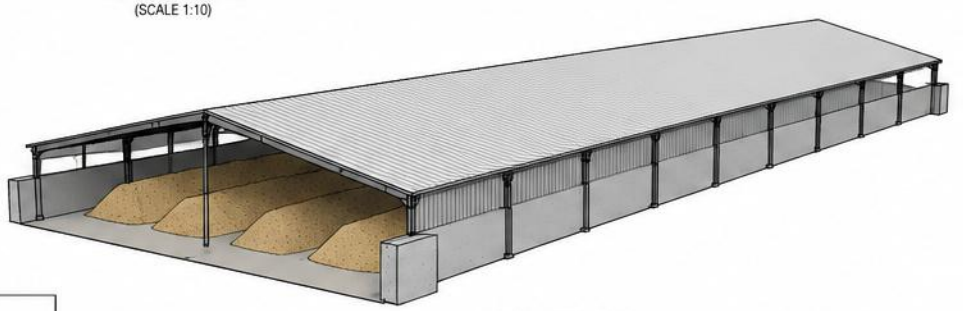
FLOOR PLAN LAYOUT
(BULK STORAGE & LOADER TRAFFIC)



FOUNDATION ANCHOR BOLT
REACTION DETAIL
(SCALE 1:10)



RETAINING PUSH-WALL SECTION
(SCALE 1:20)



3D ISOMETRIC VIEW

KEY STRUCTURAL NOTES:

1. Main structure: Q355B H-beam (tapered rafters and columns).
2. Clear span: 60.0m, ridge height: 16.5m.
3. Bay spacing: 5.0m (8 bays).
4. Retaining push-wall height: 4.0m (concrete).
5. Foundation: reinforced concrete with M24 anchor bolts.
6. Design in accordance with relevant steel structure and building codes.

MATERIAL SPECIFICATIONS:

1. Steel: Q355B (H-beam).
2. Concrete: C30 (foundation & push-wall).
3. Anchor bolts: M24 (Q235B).
4. Roof & wall panels: metal sheet (color steel).
5. All dimensions are in meters unless otherwise noted.

60m CLEAR SPAN HEAVY RIGID H-BEAM FABRIC BULK STORAGE BUILDING

STRUCTURAL LAYOUT & DETAILS	SCALE	DATE	DRAWING NO.
	AS SHOWN	2025-10-27	S-001

CONCEPT DRAWING ONLY — NOT FOR CONSTRUCTION. FINAL PE-STAMPED DRAWINGS REQUIRE CONFIRMED LOCATION, WIND/SNOW LOADS, SOIL REPORT AND PROJECT OPTIONS.
The drawing content above remains unobstructed; title metadata is placed in reserved margins outside the drawing viewport.