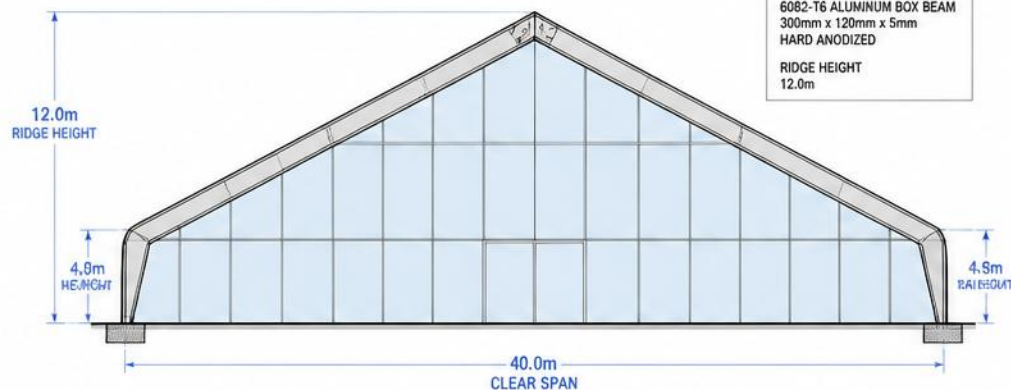


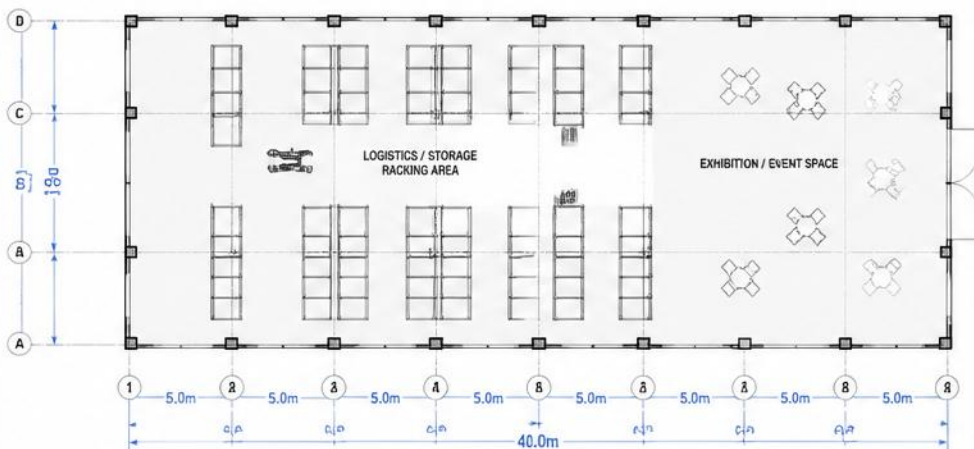
40.0m MODULAR CLEAR-SPAN ALUMINUM A-FRAME BUILDING

6082-T6 EXTRUDED ALUMINUM PORTAL FRAME SYSTEM

CROSS-SECTION (PORTAL FRAME ELEVATION)



FLOOR PLAN LAYOUT (40.0m x VARIABLE DEPTH)



MATERIAL PROPERTIES (G682-T6)

YIELD STRENGTH (f_y)	260 MPa
TENSILE STRENGTH (f_u)	310 MPa
MODULUS OF ELASTICITY (E)	69 GPa
DENSITY	2700 kg/m ³

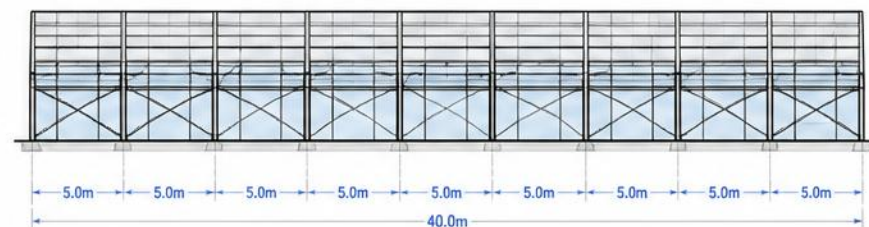
GENERAL NOTES

1. ALL ALUMINUM MEMBERS: 6082-T6, HARD ANODIZED (25µm MIN)
2. ALL WELDS TO BE PERFORMED BY QUALIFIED WELDERS
3. ALL BOLTS: STAINLESS STEEL 8.8 / SUS304
4. TOLERANCES: ±2mm UNLESS NOTED
5. ALL DIMENSIONS IN MILLIMETERS UNLESS NOTED

LEGEND

-  = ALUMINUM COLUMN
-  = PRIMARY FRAME (ROOF)
- = SECONDARY PURLIN
-  = CROSS BRACING

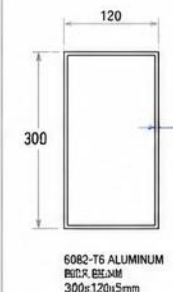
SIDE ELEVATION (MODULAR BAY GRID)



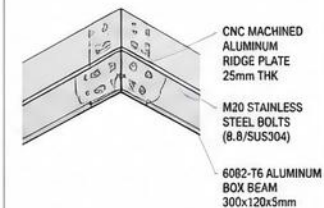
SPECIFICATIONS

- CLEAR SPAN: 40.0m
- RIDGE HEIGHT: 12.0m
- EAVE HEIGHT: 4.5m
- BAY SPACING: 5.0m (MODULAR)
- PRIMARY FRAME: 6082-T6 ALUMINUM BOX BEAM 300x120x5mm
- FINISH: HARD ANODIZED
- ROOF PITCH: 18°
- WIND LOAD: 0.75 kN/m² (ULT)
- SNOW LOAD: 0.50 kN/m² (ULT)
- CODE: EN 1999 / AS/NZS 1864

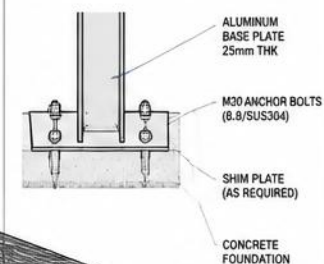
TYPICAL FRAME SECTION



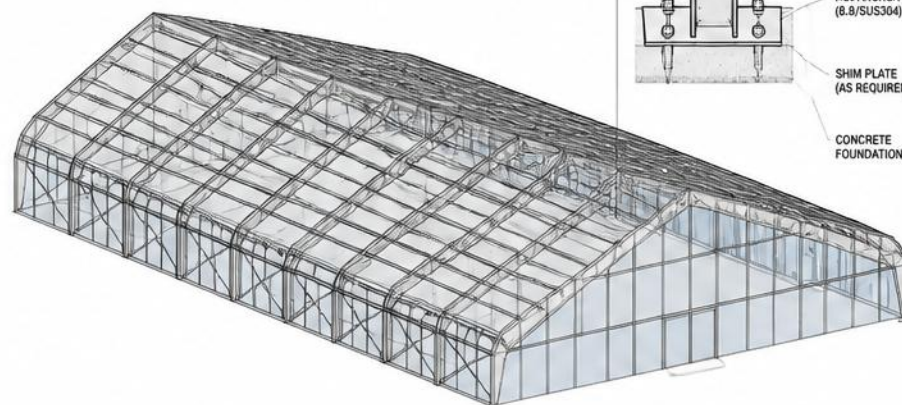
CONNECTION DETAIL
RIDGE JOINT



BASE CONNECTION



3D ISOMETRIC STRUCTURAL VIEW



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.