

PROJECT:
DOUBLE-TRUSS FABRIC BUILDING

SPAN:
50.0 m CLEAR

LENGTH:
50.0 m (10 BAYS @ 5.0m)

EAVE HEIGHT:
5.0 m

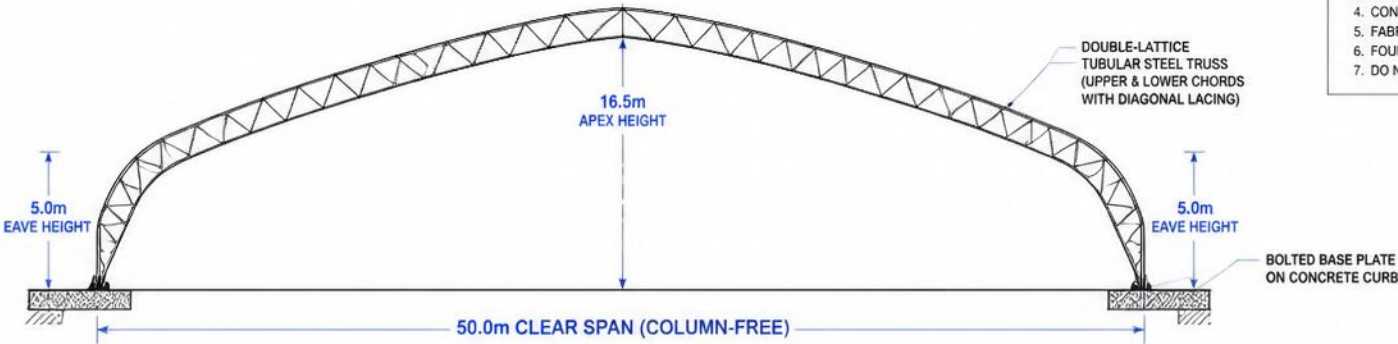
APEX HEIGHT:
16.5 m

FOUNDATION:
REINFORCED CONCRETE CURB FOOTING

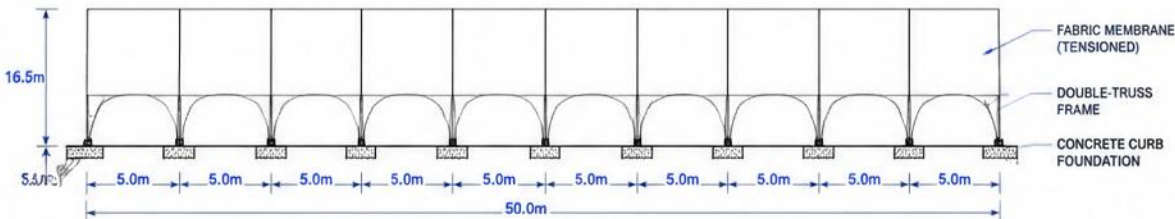
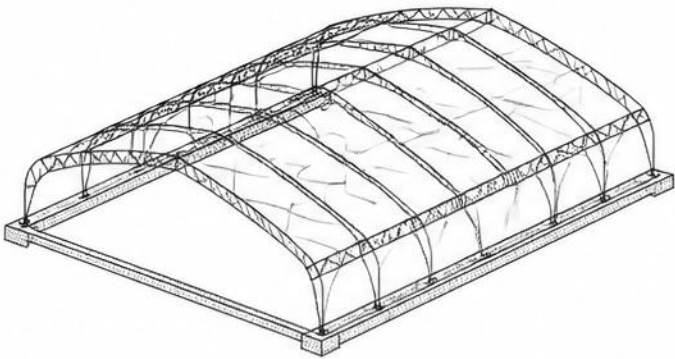
DOUBLE-TRUSS TENSION FABRIC BUILDING

50.0m CLEAR-SPAN GROUND-MOUNTED STRUCTURE

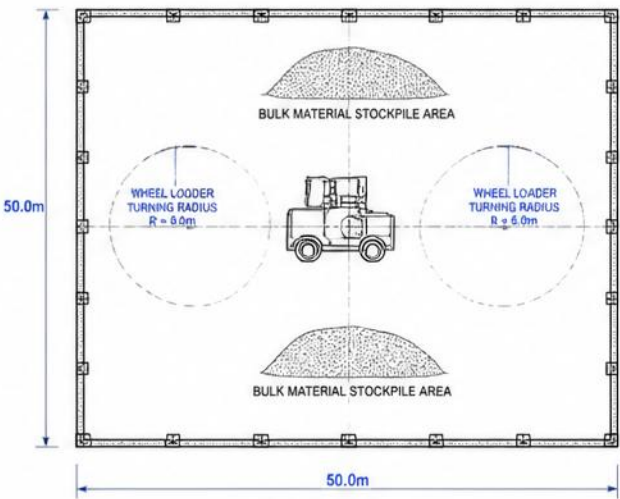
- GENERAL NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS
 2. DESIGN IN ACCORDANCE WITH ASCE 7-16
 3. STEEL: ASTM A500 GRADE B (TUBULAR)
 4. CONNECTIONS: BOLTED (ASTM A325)
 5. FABRIC: PVC-COATED POLYESTER
 6. FOUNDATION DESIGN BY OTHERS
 7. DO NOT SCALE DRAWINGS



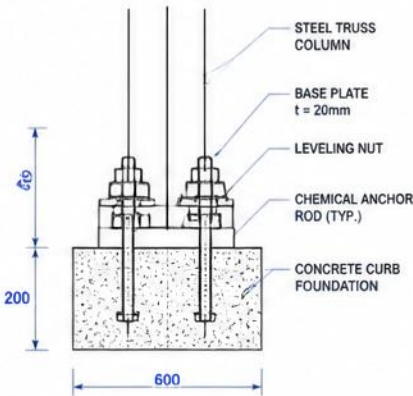
FRONT GABLE CROSS-SECTION ELEVATION



3D AXONOMETRIC ISOMETRIC VIEW



FLOOR PLAN (50.0m x 50.0m)



BASE PLATE & ANCHOR DETAIL

STRUCTURAL DESIGN SUMMARY	
CLEAR SPAN	50.0 m
BUILDING LENGTH	50.0 m
BAY SPACING	5.0 m
EAVE HEIGHT	5.0 m
APEX HEIGHT	16.5 m
TRUSS TYPE	DOUBLE-LATTICE TUBULAR STEEL
FABRIC MEMBRANE	PVC-COATED POLYESTER
FOUNDATION	REINFORCED CONCRETE CURB
DESIGN WIND SPEED	180 km/h (ASCE 7-16)
GROUND SNOW LOAD	3.5 kN/m ²

DRAWING TITLE:	
50m CLEAR-SPAN DOUBLE-TRUSS FABRIC BUILDING GENERAL ARRANGEMENT DRAWINGS	
DRAWING NO.: DTFB-50-CA-001	
DATE:	MAY 2024
SCALE:	AS SHOWN
DRAWN BY:	STRUCTURAL CAD TEAM
REVISION:	REV 00