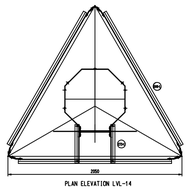
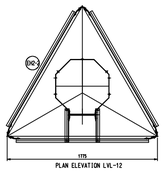


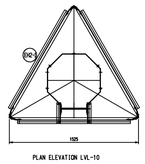
PLAN ELEVATION



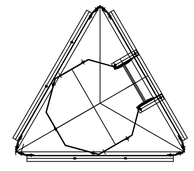
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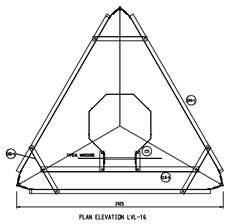
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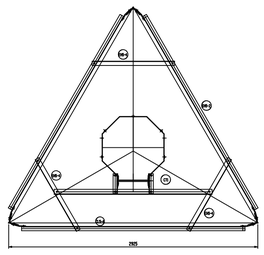
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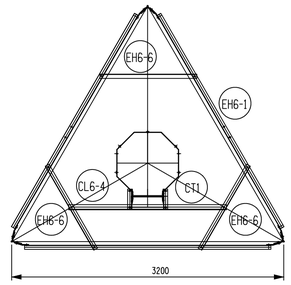
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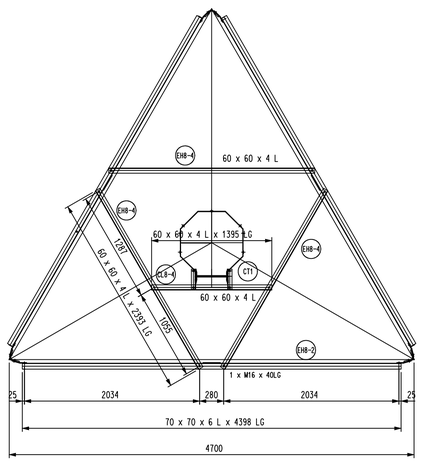
PLAN ELEVATION LVL-16

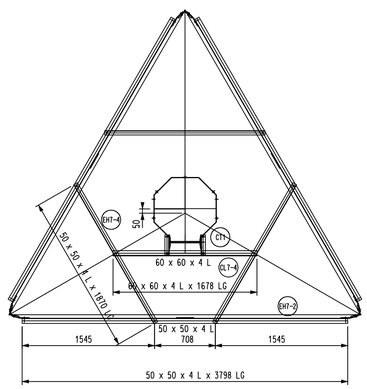


PLAN ELEVATION LVL-19

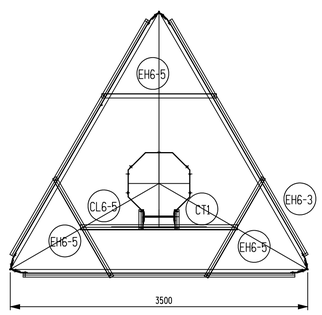


PLAN ELEVATION LVL-16





PLAN ELEVATION LVL-33



PLAN ELEVATION LVL-18

Notes:

1. LEVELING OF THE TOWER BASE ONTO THE HOLD DOWN BOLTS SHALL BE CARRIED OUT USING A DUMPY LEVEL ENSURING THE LEVEL AT EACH BOLT POSITION IS LEVEL WITH A COMMON DATUM BETWEEN THE HOLD DOWN BOLTS. USE OF SPIRIT LEVELS AND LINE LEVELS IS NOT PERMITTED. THE LEGS WILL BE CHECKED USING A SPIRIT LEVEL FOR VERTICALITY. ALIGNMENT OF THE TOWER SHALL BE UNDERTAKEN WITH THE AID OF TWO THEODOLITES PROVIDED BY THE CONTRACTOR. USING A SHORT PLUMB BOB OR STRAIGHT EDGE IN COMBINATION WITH A SQUINTED EYE IS NOT ACCEPTABLE.

2. THE TOWER SHALL BE ERECTED TO AN ACCURACY THAT ENSURES THAT THE OUT OF PLUMB IS LESS THAN H/500AND THAT THE DISPLACEMENT OF THE CENTER LINE OF EACH COLUMN IS LESS THAN H/1000. H IS THE HEIGHT, IN MILLIMETERS, OF THE TOWER ABOVE THE BASE PLATE TO THE POINT UNDER CONSIDERATION.

3. THE DESCRIPTION OF ASSEMBLY AND ERECTION PROCEDURE SHALL INDICATE WHAT LEVEL CHECKS MUST BE DONE TO ENSURE THE ABOVE ACCURACY. IT SHALL ALSO INDICATE THE METHODOLOGY TO SET THE VERTICALITY OF THE LEGS.

BOLT TIGHTNESS.

4. ALL BOLTS SHALL BE TIGHTENED TO THE TOWER MANUFACTURER'S SPECIFICATION. THIS WILL EITHER BE BOLTING TORQUE RECOMMENDATIONS FOR EACH BOLT SIZE: THE TIGHTENING IS TO BE CARRIED OUT USING A TORQUE WRENCH OF ADEQUATE CAPACITY.

5. ALTERNATIVELY, MANUFACTURERS MAY RECOMMEND THE "TURN OF THE NUT" METHOD WHICH IS PREFERABLE FOR GALVANIZED BOLTS. THIS SHALL ONLY BE CARRIED OUT BY TRAINED PERSONNEL. SPOT CHECKS MAY BE CARRIED OUT USING A TORQUE WRENCH SET TO THE SPECIFIC BOLT TORQUE SETTING. THIS SHALL BE APPLIED AS PER SANS 1200.

GROUTING

6. THE GROUTING BETWEEN THE BASE PLATES AND FOUNDATION SHALL BE UNDERTAKEN BY THE CONTRACTOR AS PART OF THE ERECTION PROCESS.

7. THE GROUTING BETWEEN THE BASE PLATES AND FOUNDATION SHALL BE IMPLEMENTED IMMEDIATELY AFTER THE BASE SECTIONS OF THE TOWER HAVE BEEN ERECTED AND ALIGNED.

8. THE GROUTING SHALL BE A CEMENTITIOUS NON-SHRINK GROUT SUCH AS A.B.E @ DURAGROUT. IF THE TOWER HAS TUBULAR LEGS A 15MM DIAMETER DRAINAGE HOLE SHALL BE LEFT IN THE GROUT BELOW THE BASE PLATE.

REV:	DESCRIPTION:	BY:	DATE:

PowerCom (PTY) LTD

CLIENT: POWERCOM PTY LTD
NO 4 JULIUS NYERE STREET
WINDHOEK
SOUTHERN INDUSTRIAL

DEPARTMENT: PROJECT OFFICE

DRAWN:	CHECKED:	DATE:	REVISION:
RK	IM	17/06/2025	0

PROJECT NAME: TYPICAL DRAWING

DRAWING TITLE: GENERAL ASSEMBLY

SCALE:	SHEET SIZE:	SHEET NO:
NTS	A1	5 of 5

PROJECT NO:	STATUS:
N/A	TENDER

DRAWING NO: N/A