












Electrical Drawings for Proposed Dratshang
Pelrithang, Gelephu

LEGEND

SYMBOL	DESCRIPTION
 MDB	MAIN DISTRIBUTION BOARD
 SDB	SUB DISTRIBUTION BOARD
	ENERGY METER POSITION
	EARTHING POSITION
	FLUORESCENT LIGHT 1X40W
	1X60 watts– Bulb fitting
	16A–2000 Watts Socket outlet with switch
	6A– one way switch(Modular
	Door Bell – 1X60W
	1200mm Ceiling Fan–1X60W
	300mm Exhaust fan–1X60W

NOTE A :

1. Light point wiring 1.5 sq.mm copper wire PVC insulated for 1.1KV grade.
2. Light circuit wiring 2x2.5 sq.mm cu. wire PVC insulated 1.1 KV grade.
3. Type of wiring : Recessed/surface wiring by 25 mm dia of PVC pipe.
4. Switch board position : 1200 mm above finished floor level.
5. Wall bracket: 2200 mm above finished floor level.
6. SDB mounting position 1800 mm above finished floor level in open space.
7. Recessed switch to be flushed with wall without burrying cover plate.

NOTE B :

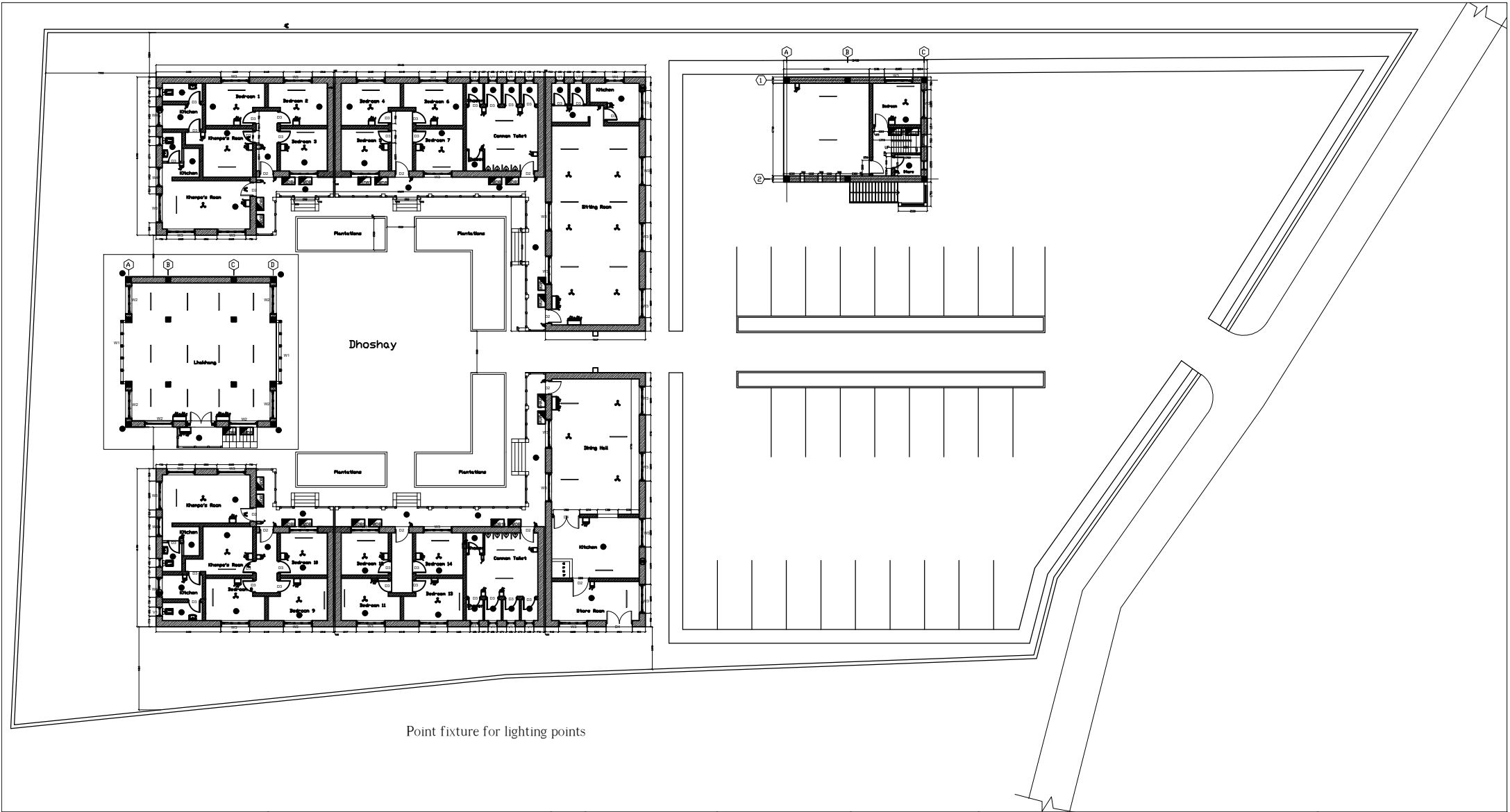
1. Power point socket position : 300 mm above the finished floor level.
2. Power point on counter : 150 mm above finished counter level.
3. Power point circuit wiring : 2x4 sq mm PVC insulated copper conductor 1.1 KV grade.
4. Loop earthing conductor to be of PVC insulated copper conductor single core 1 sq mm.
5. Colour of conductor insulations should be maintained as per phase code.
6. SDBs earthing should be of 1x8 SWG GI bare wire from earth pit.

NOTE C :

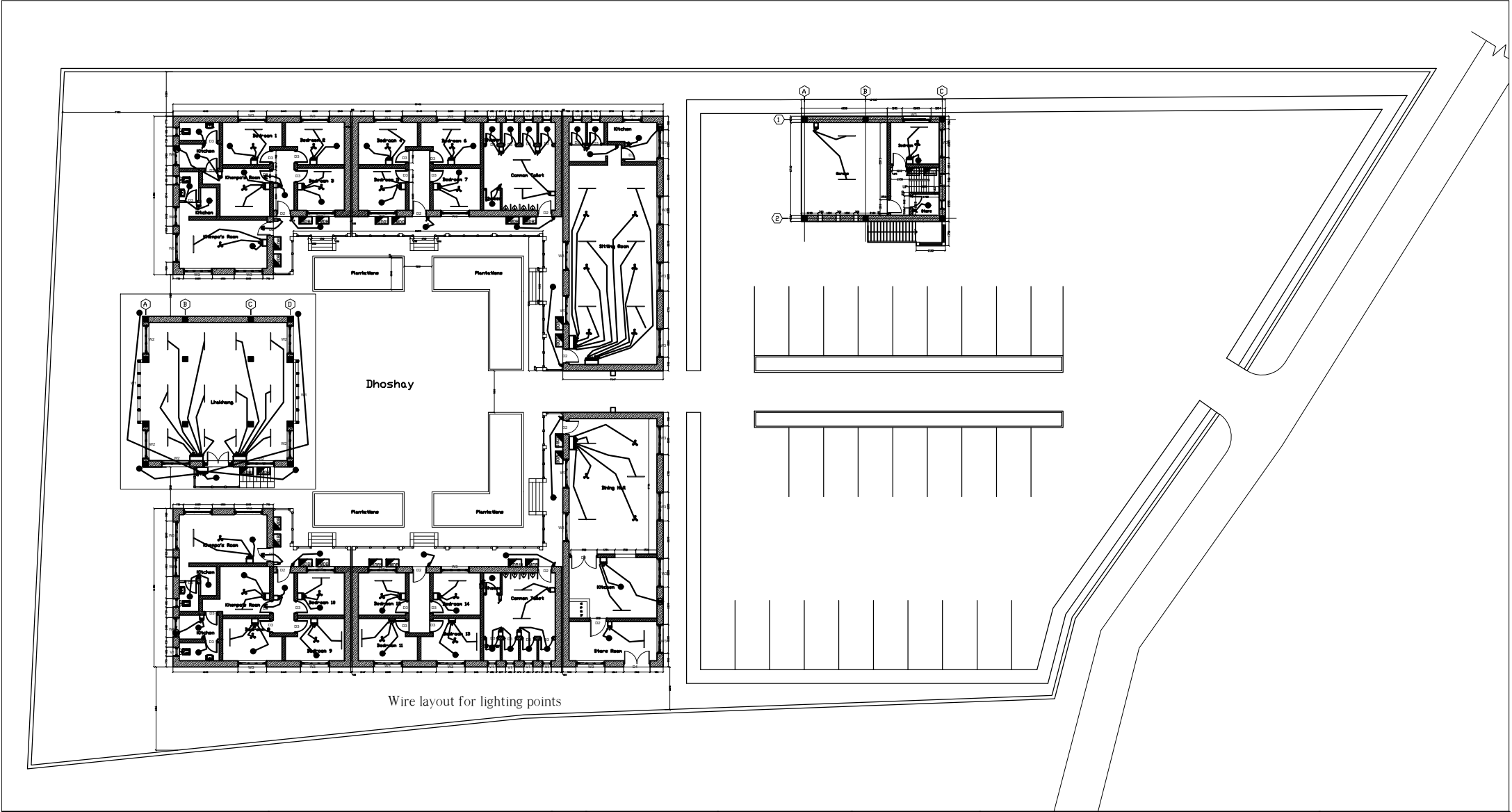
1. Voltage taken for phase to phase value is taken as 420 volts.
2. Voltage taken for phase to neutral value is taken as 220 volts.
3. Power demand factor is taken as 60% of the connected load.
4. Power point for single phase power outlet is considered as 2000 watts
5. SDBs position in each floor to be mounted in suitable location.
6. SDBs enclosure should be well painted as per the colour of the existing wall.
7. SDBs are to be mounted on surface of the walls.

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	Plot No: GEL-6998						
	Location: Pelrithang						
	Geog/Dzongkhag: Gelephu		Tshewang Dorji				

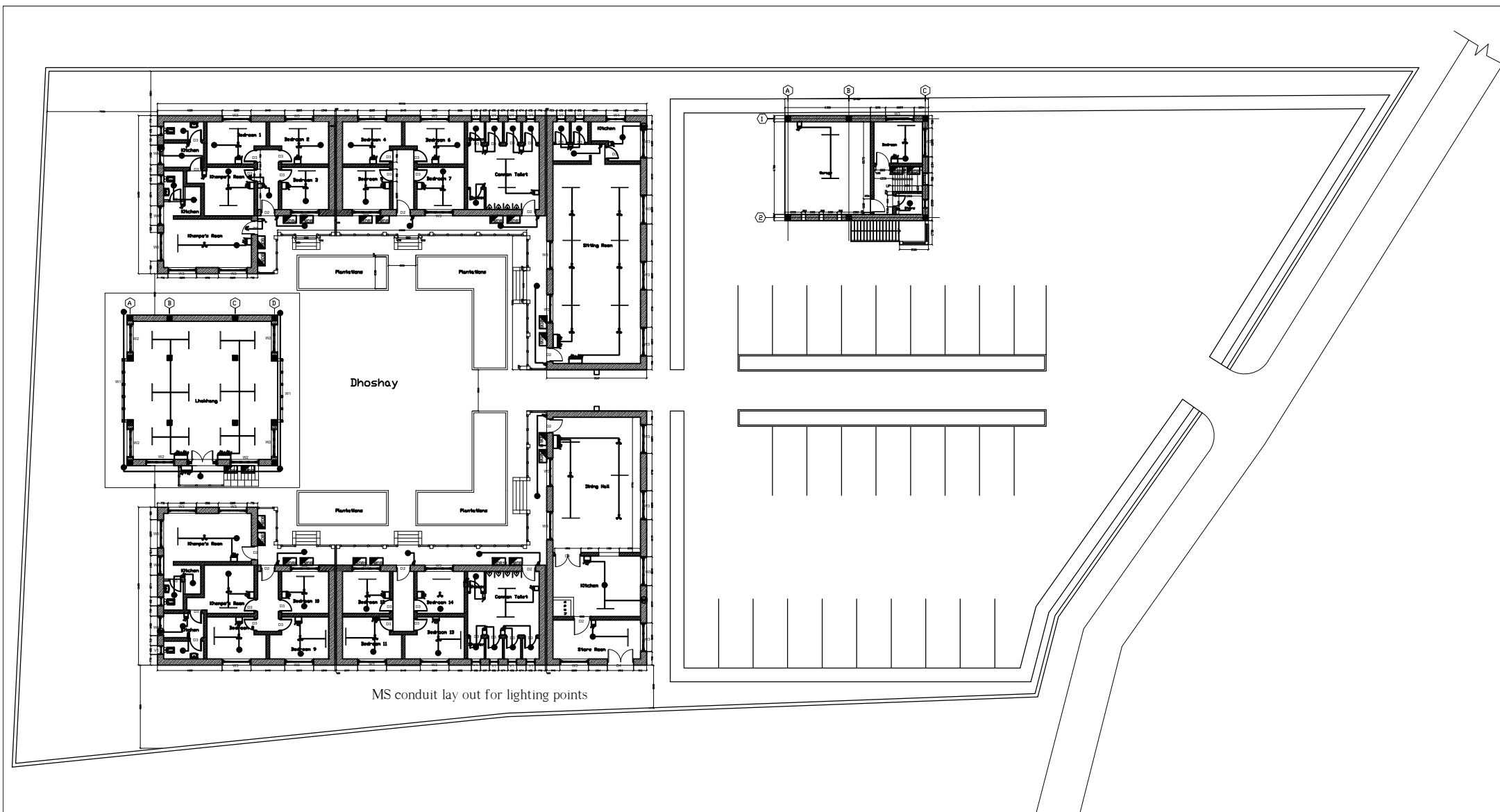
Dratshang

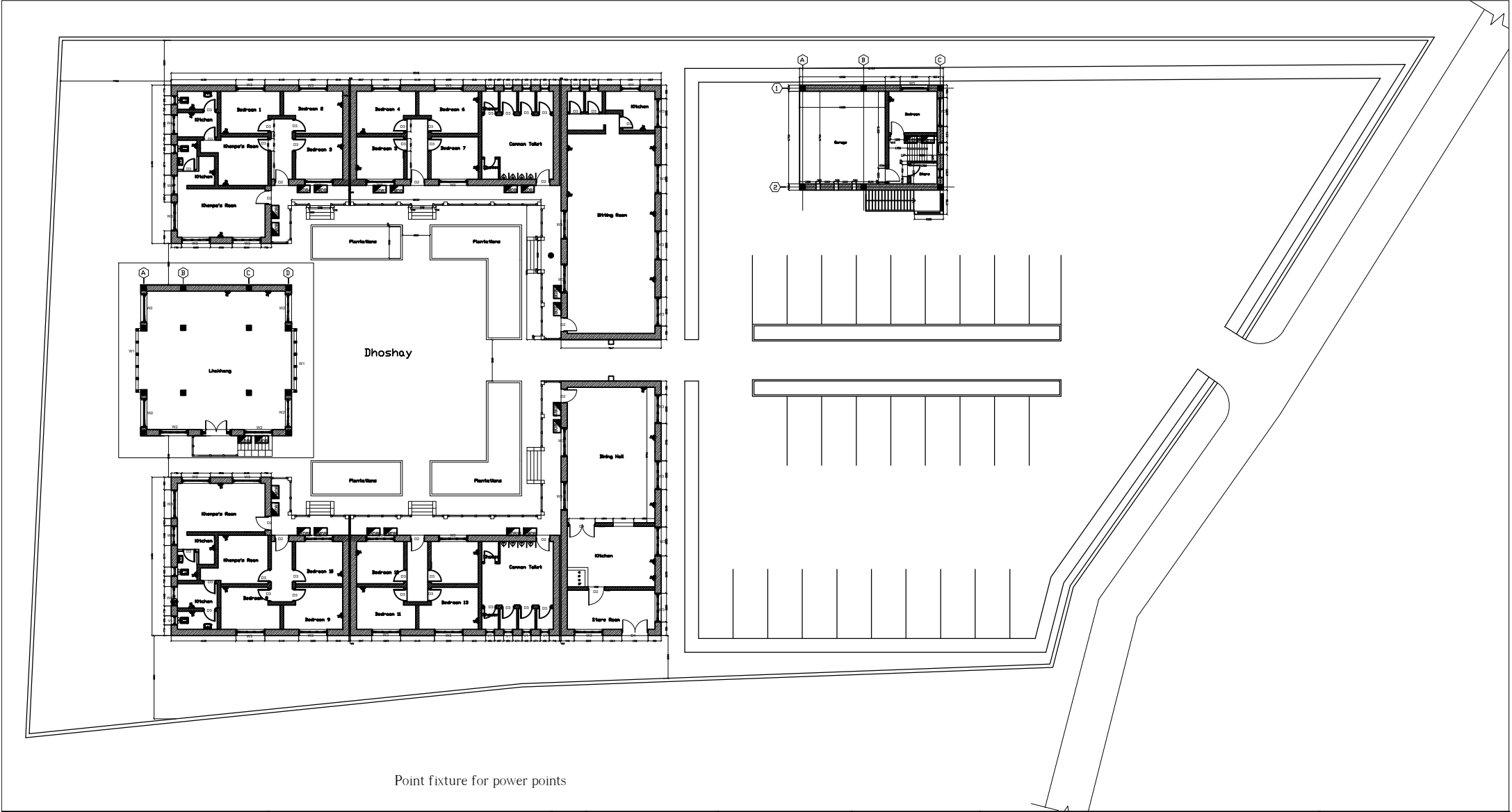


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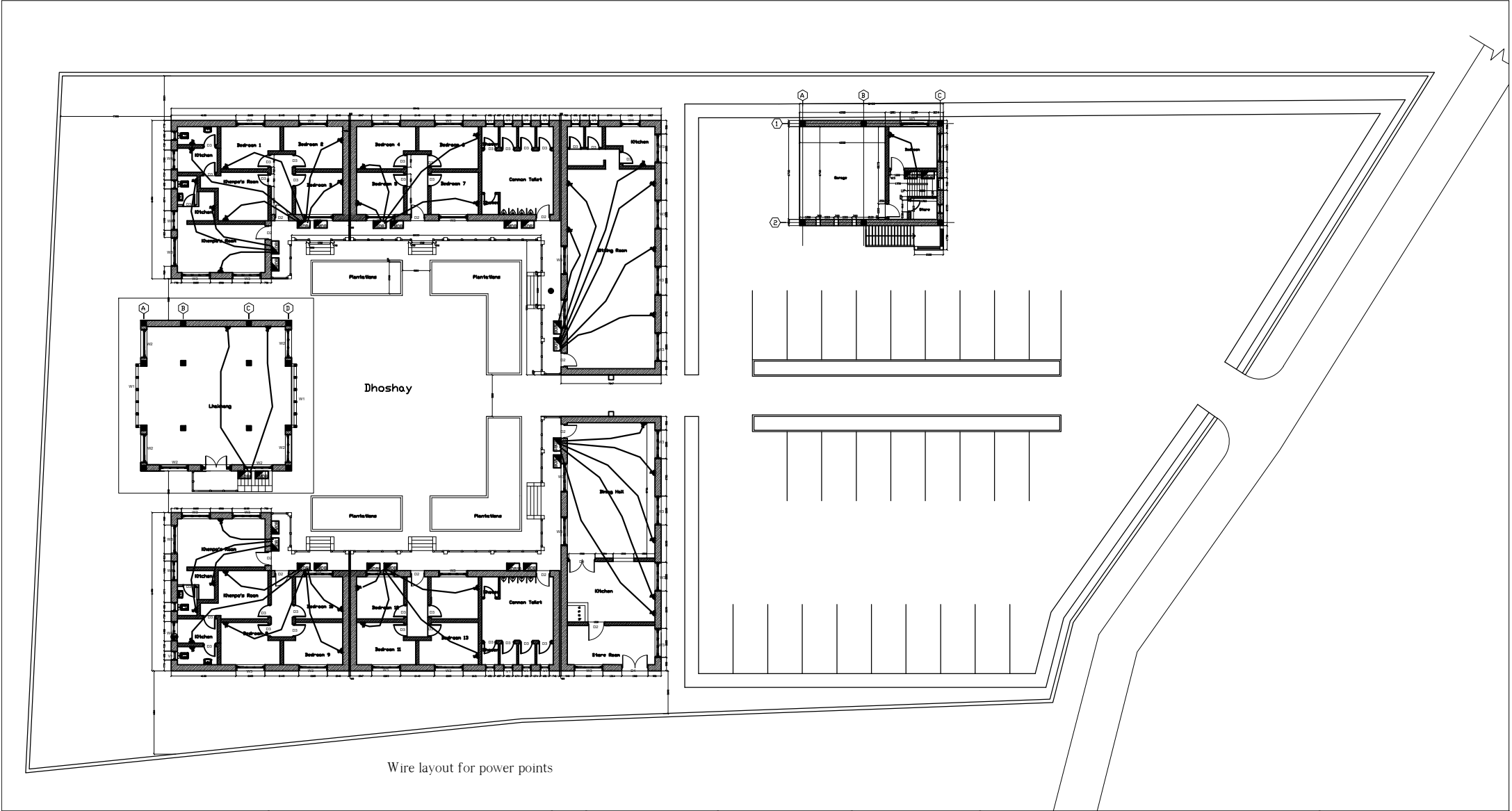


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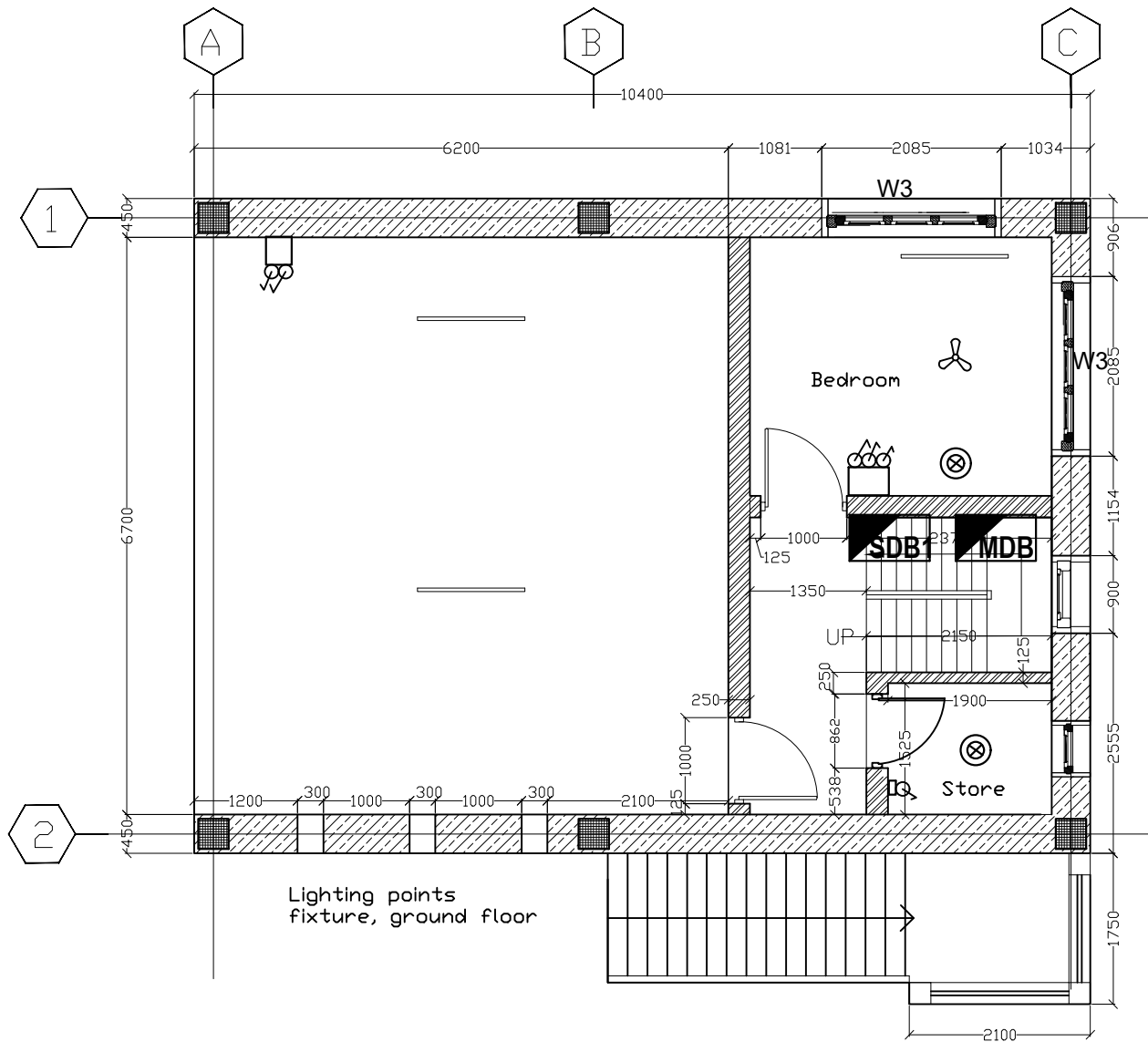




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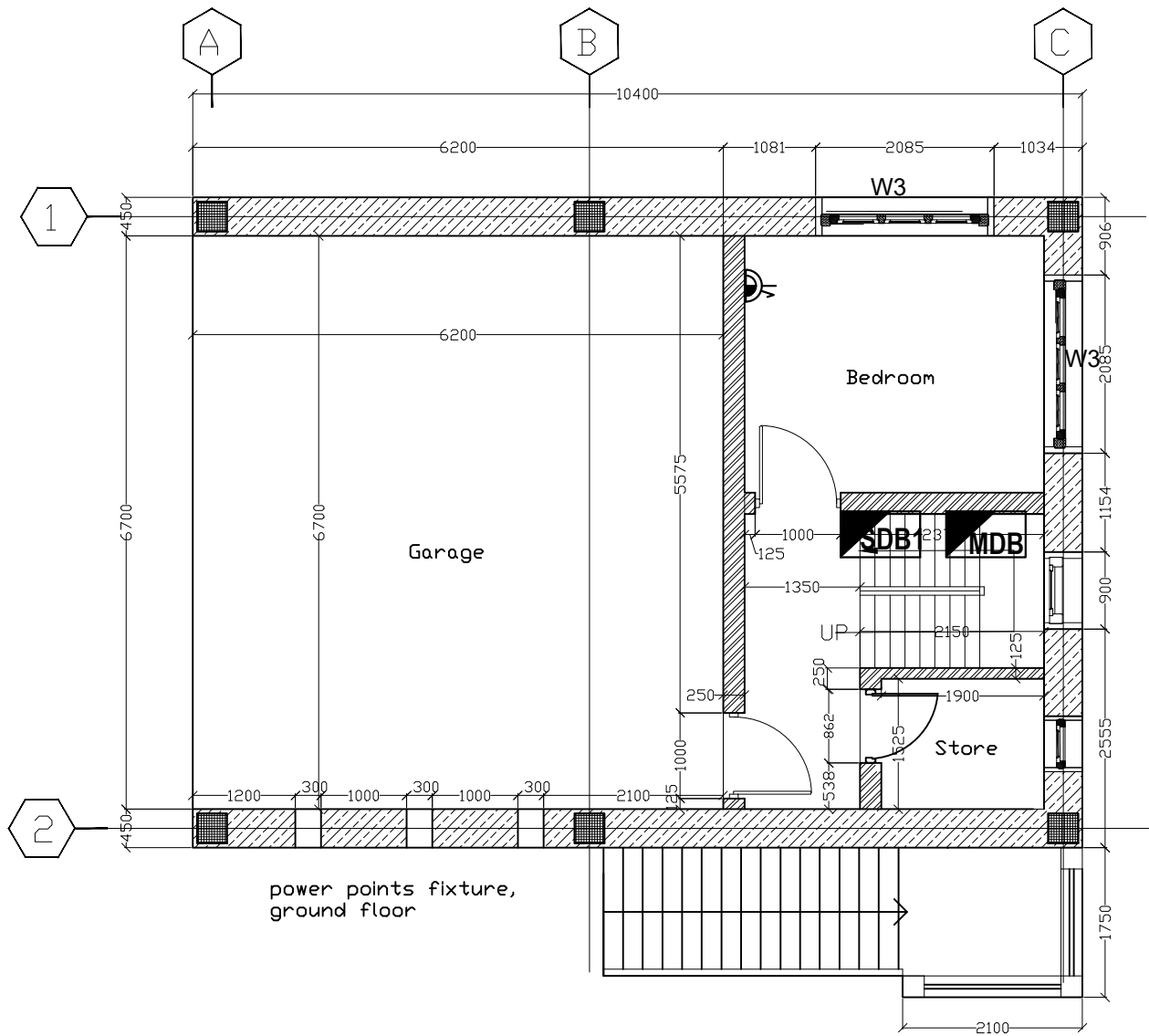


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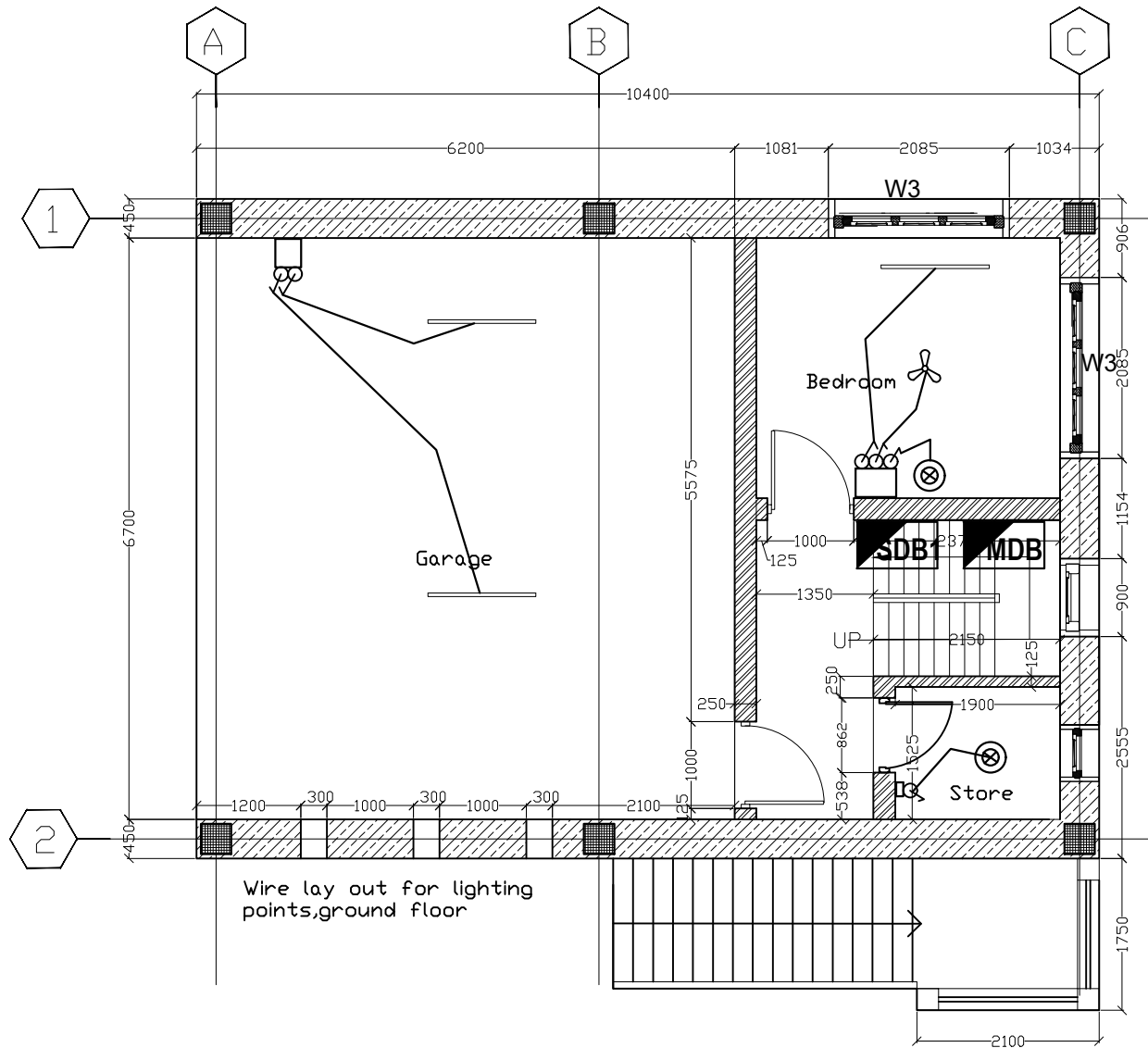
Lighting points
fixture, ground floor

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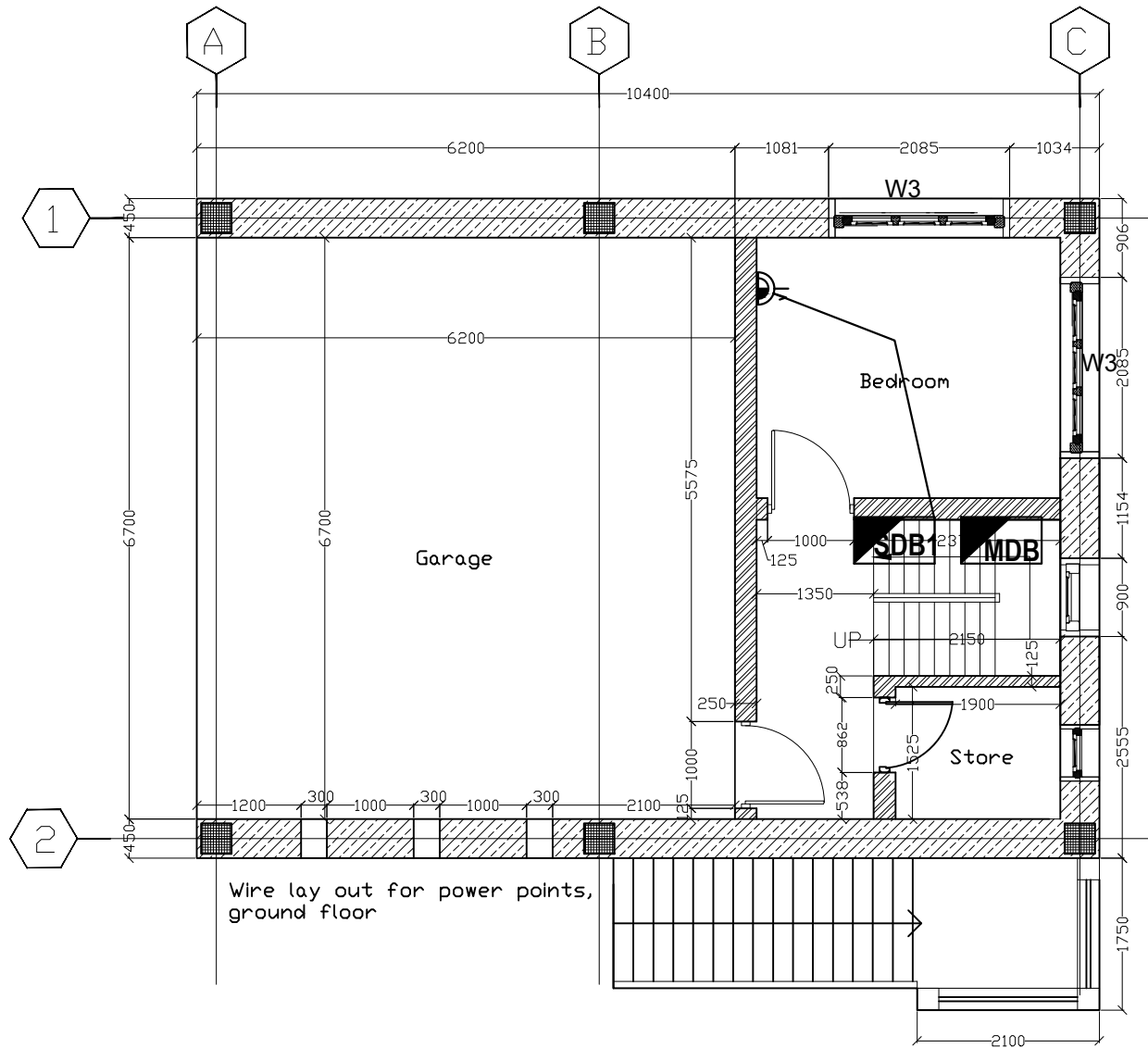


power points fixture,
ground floor

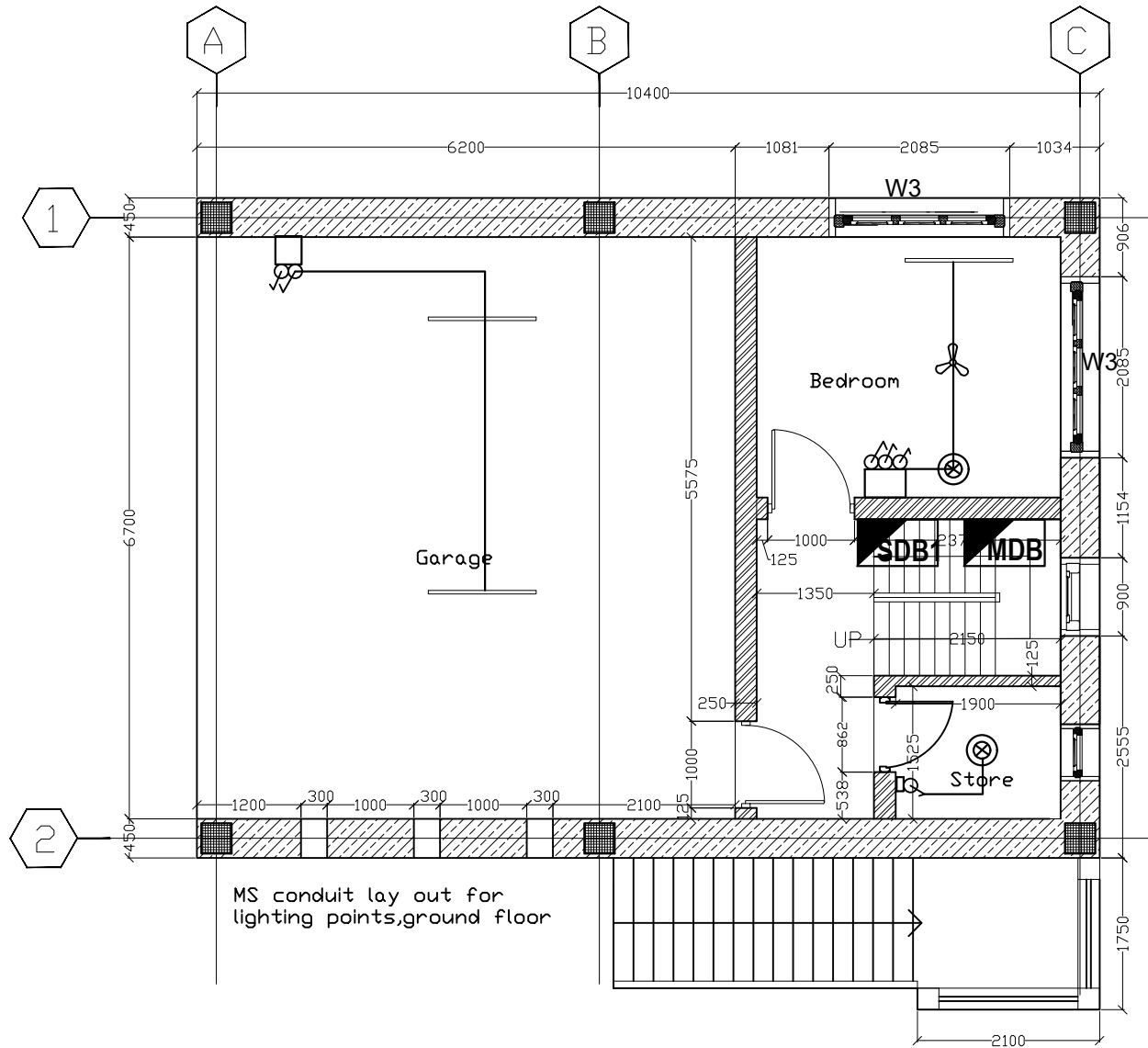
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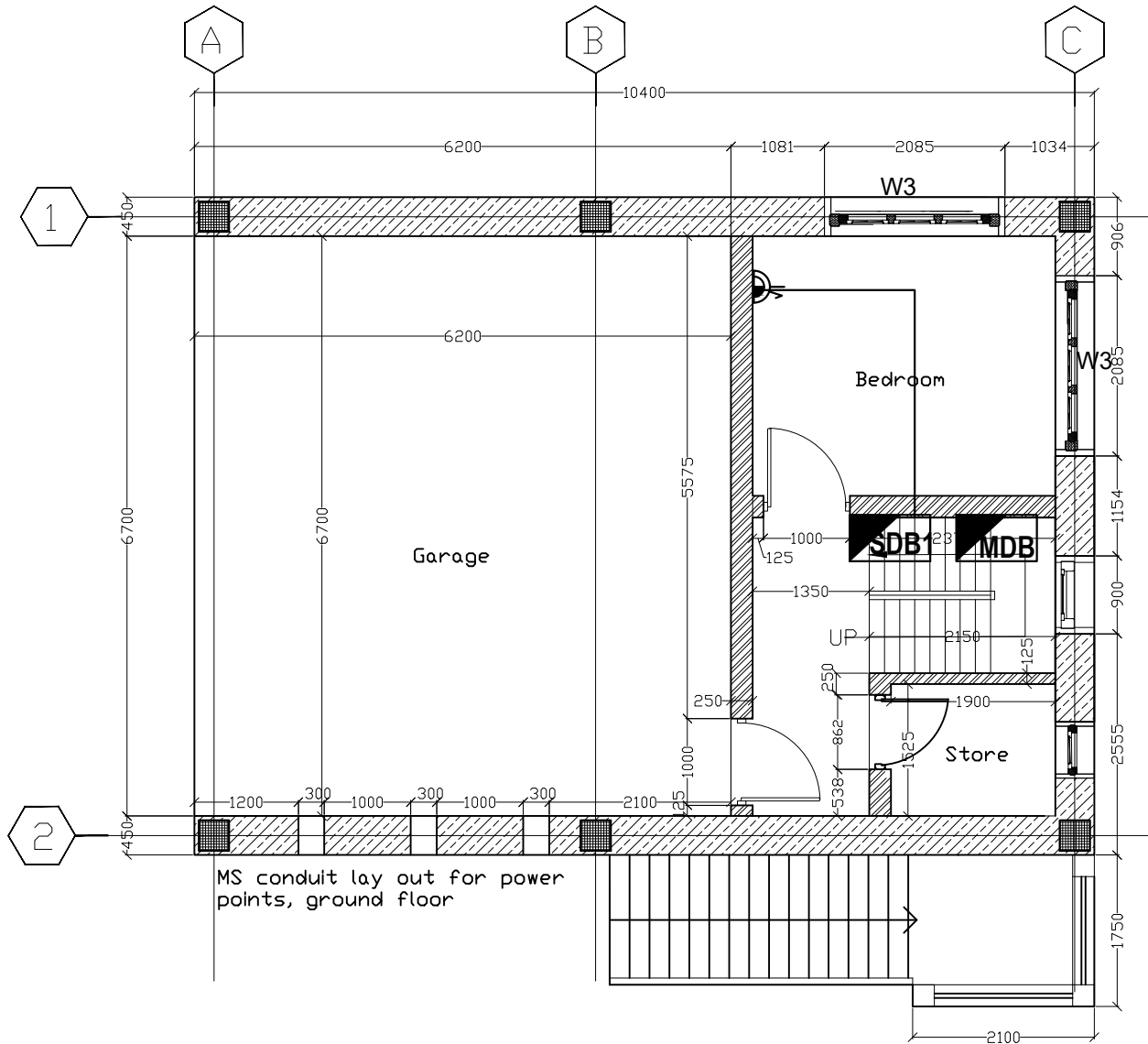
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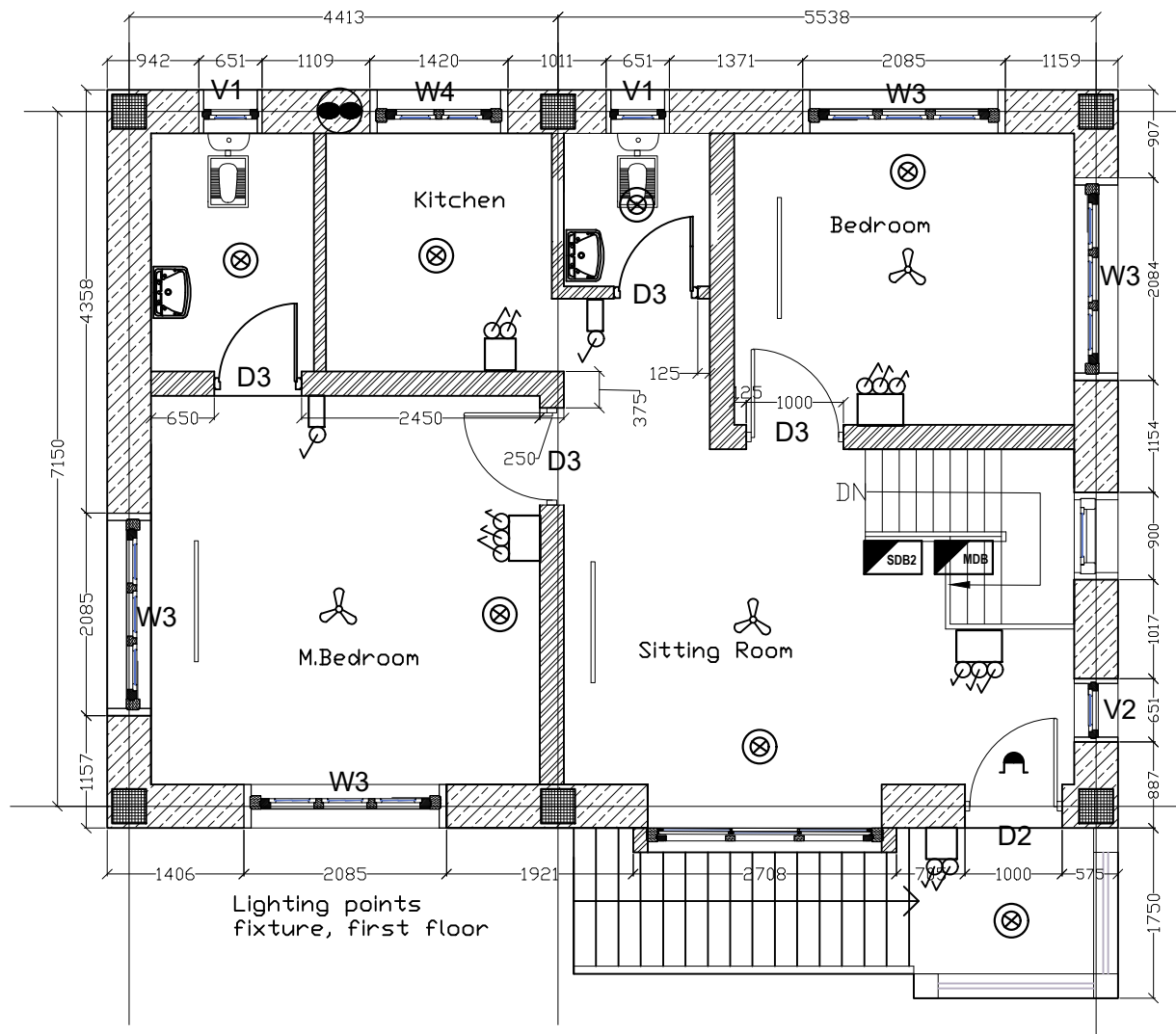
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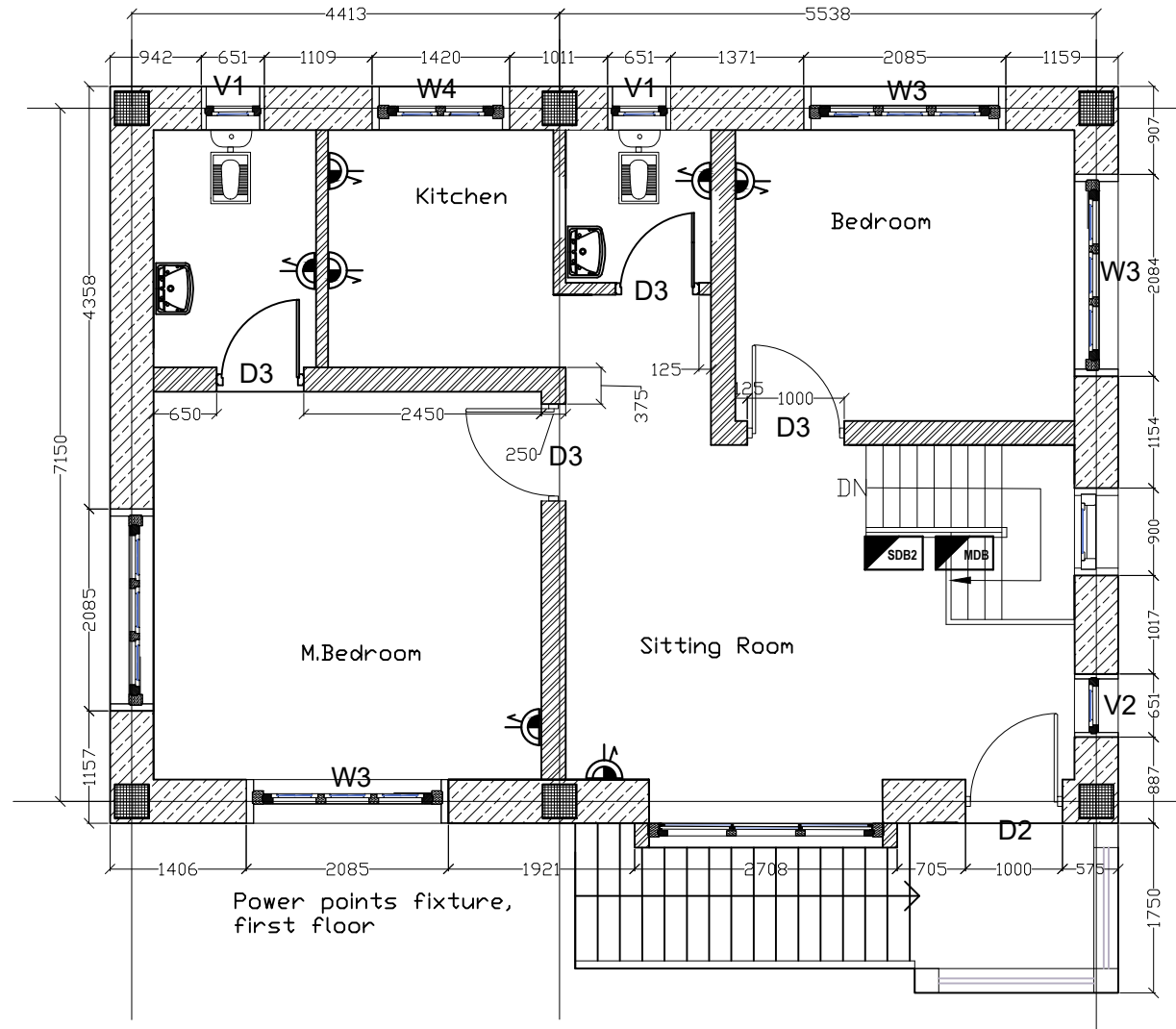
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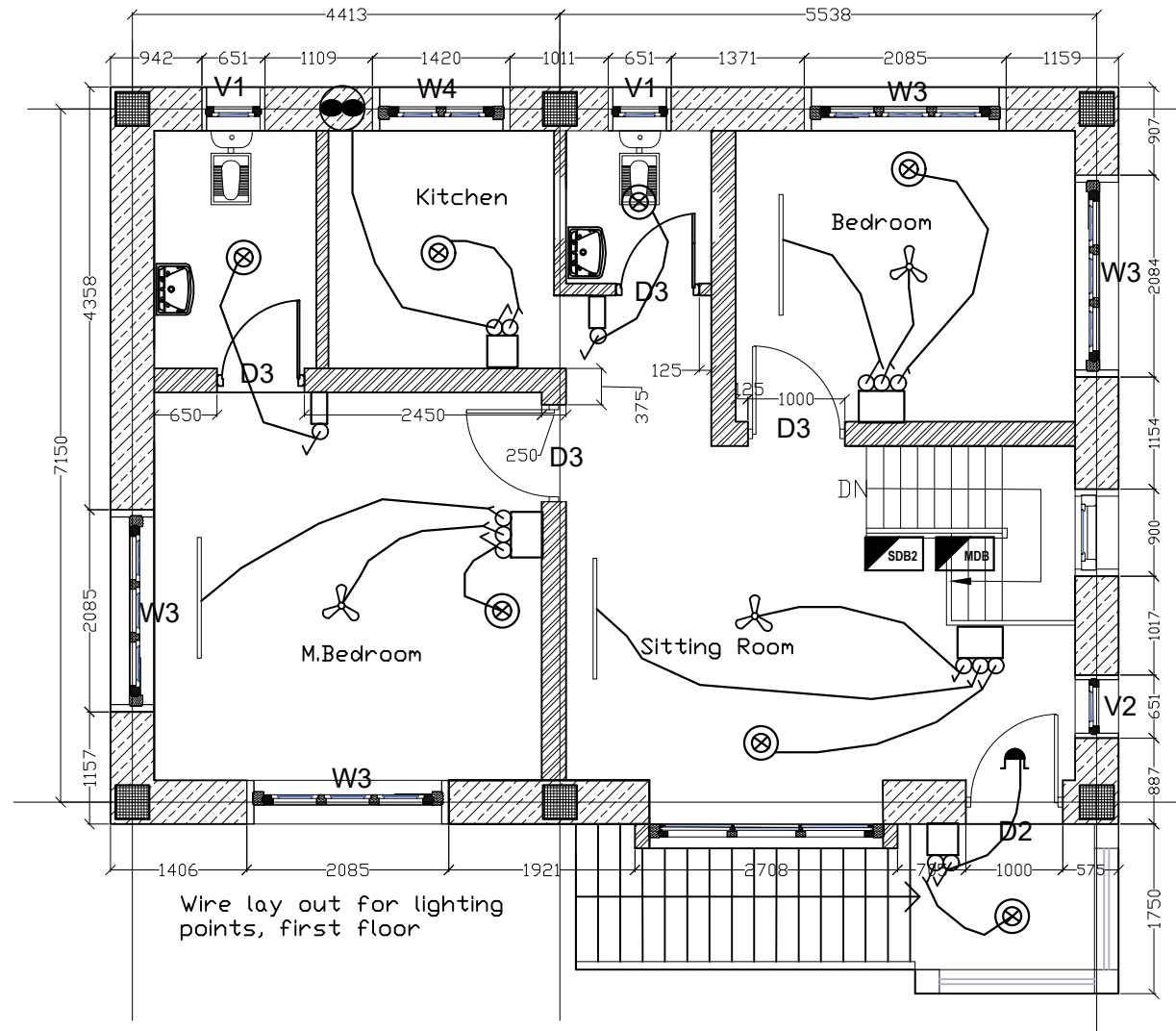
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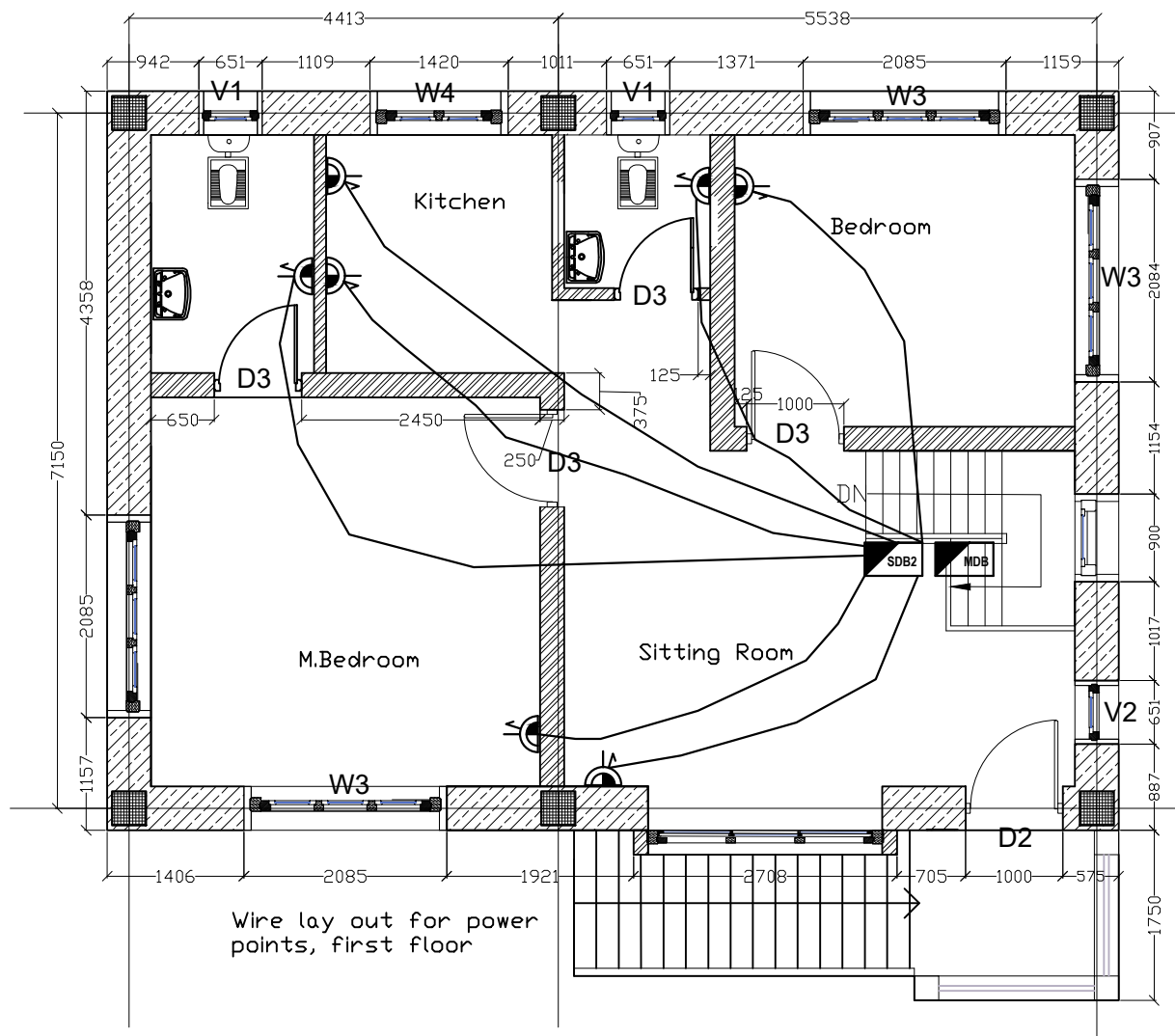
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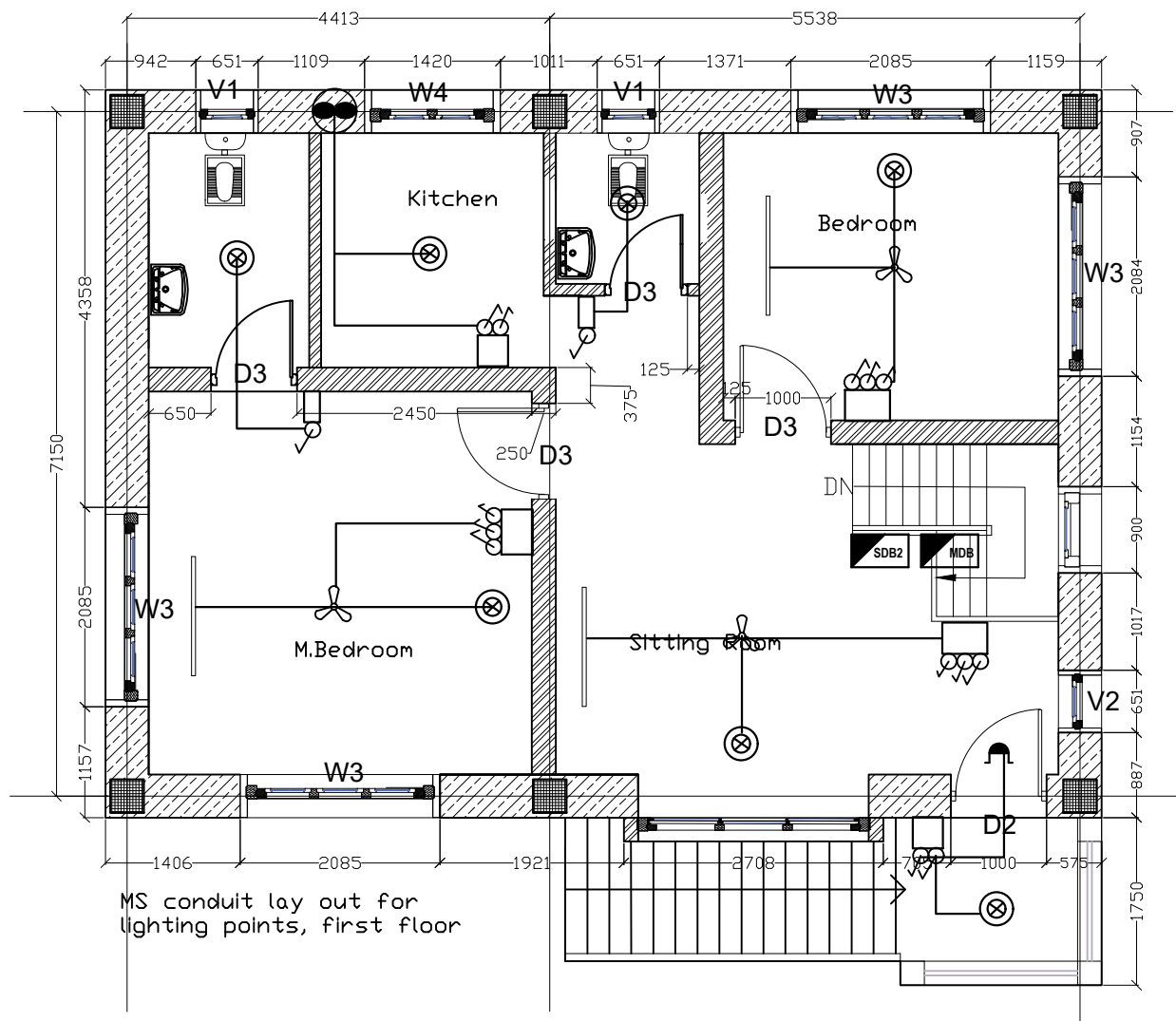
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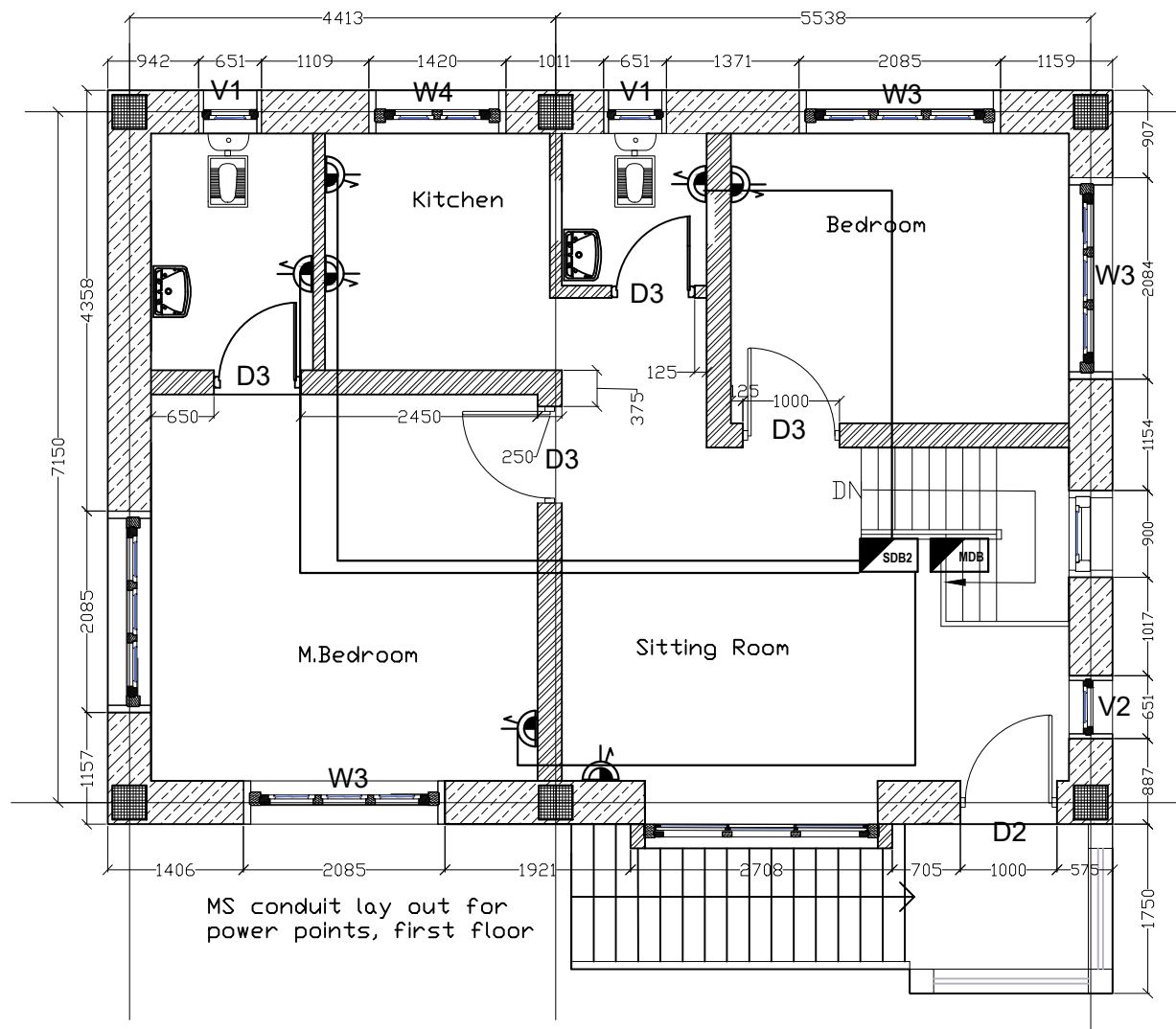
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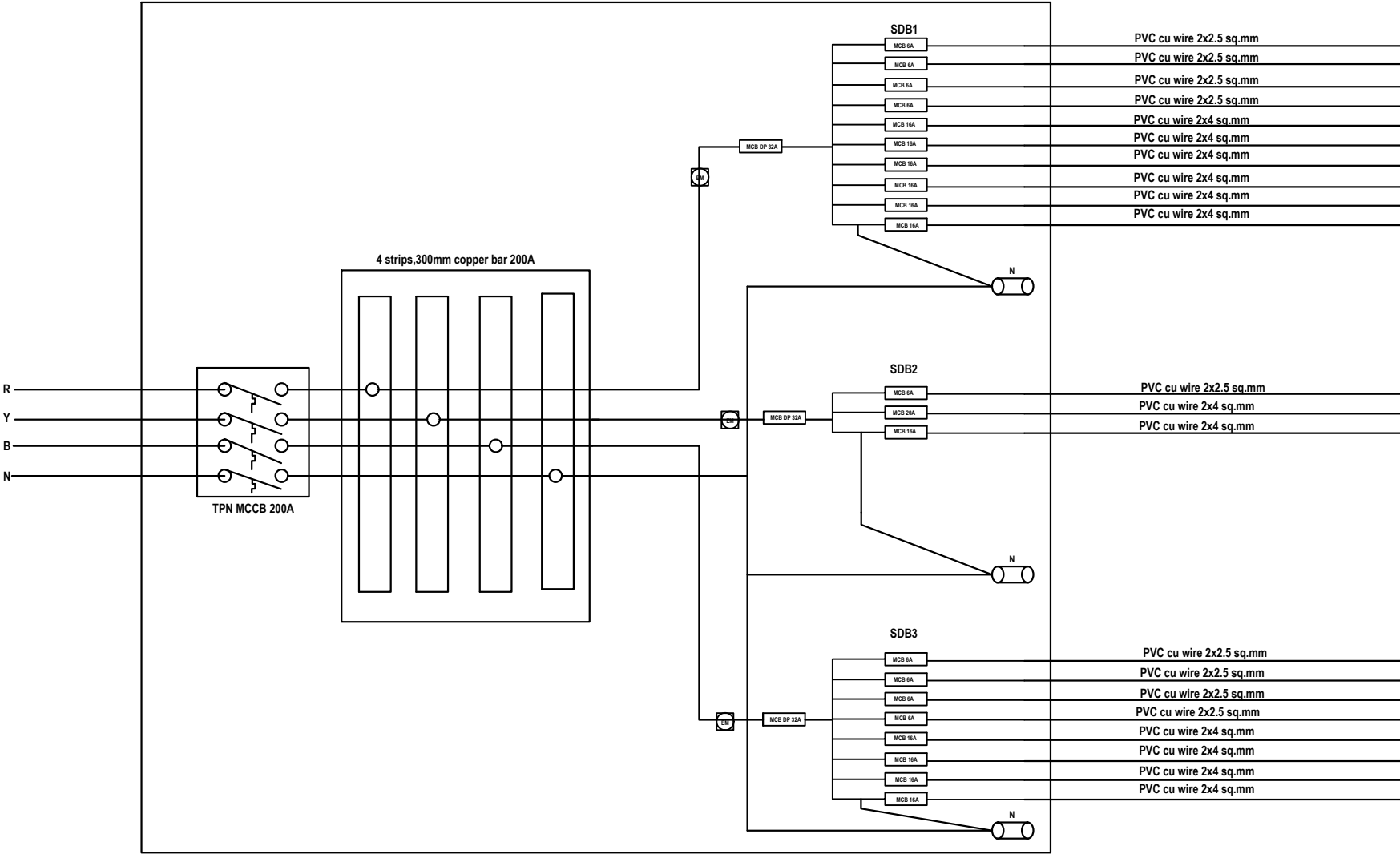


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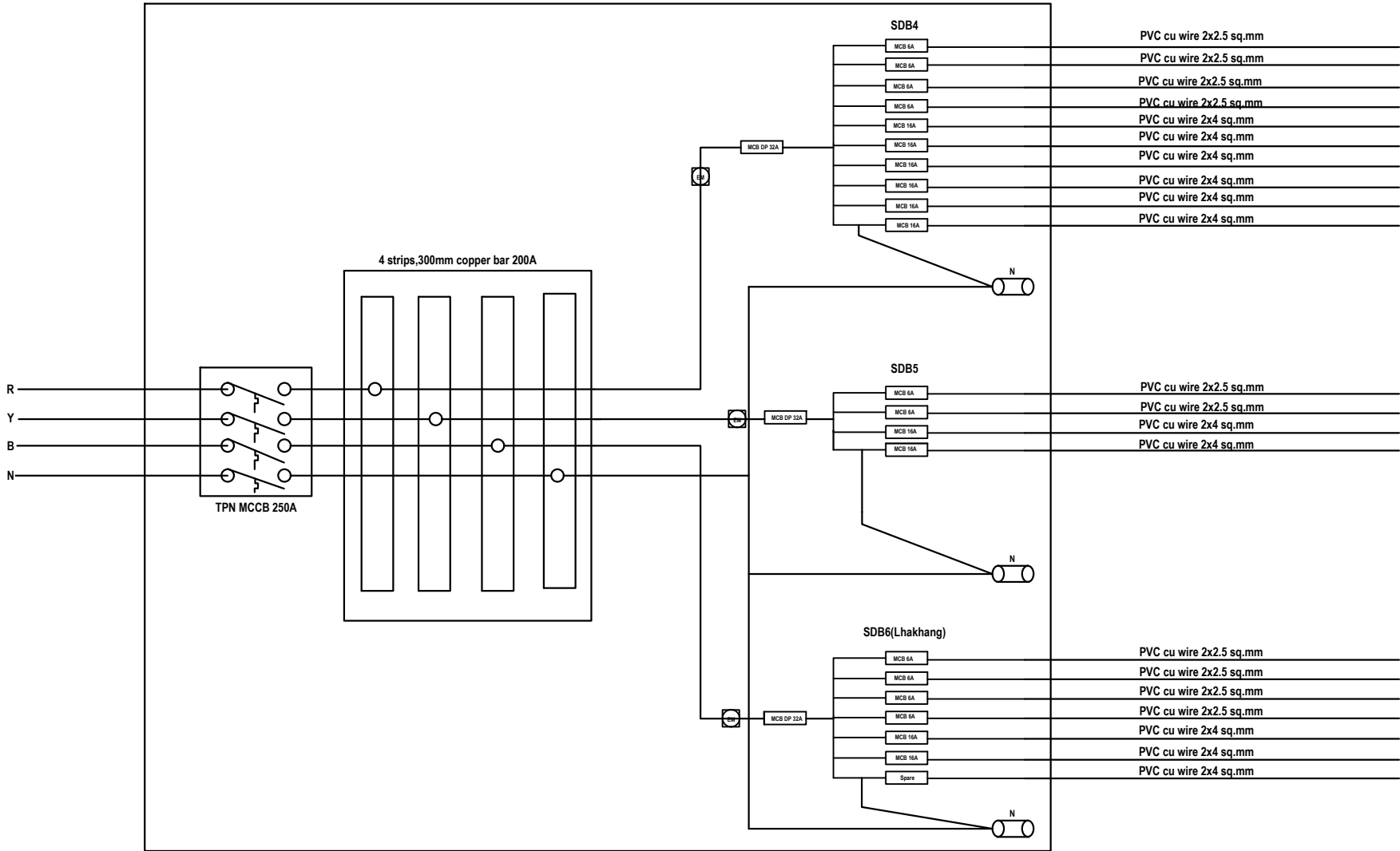
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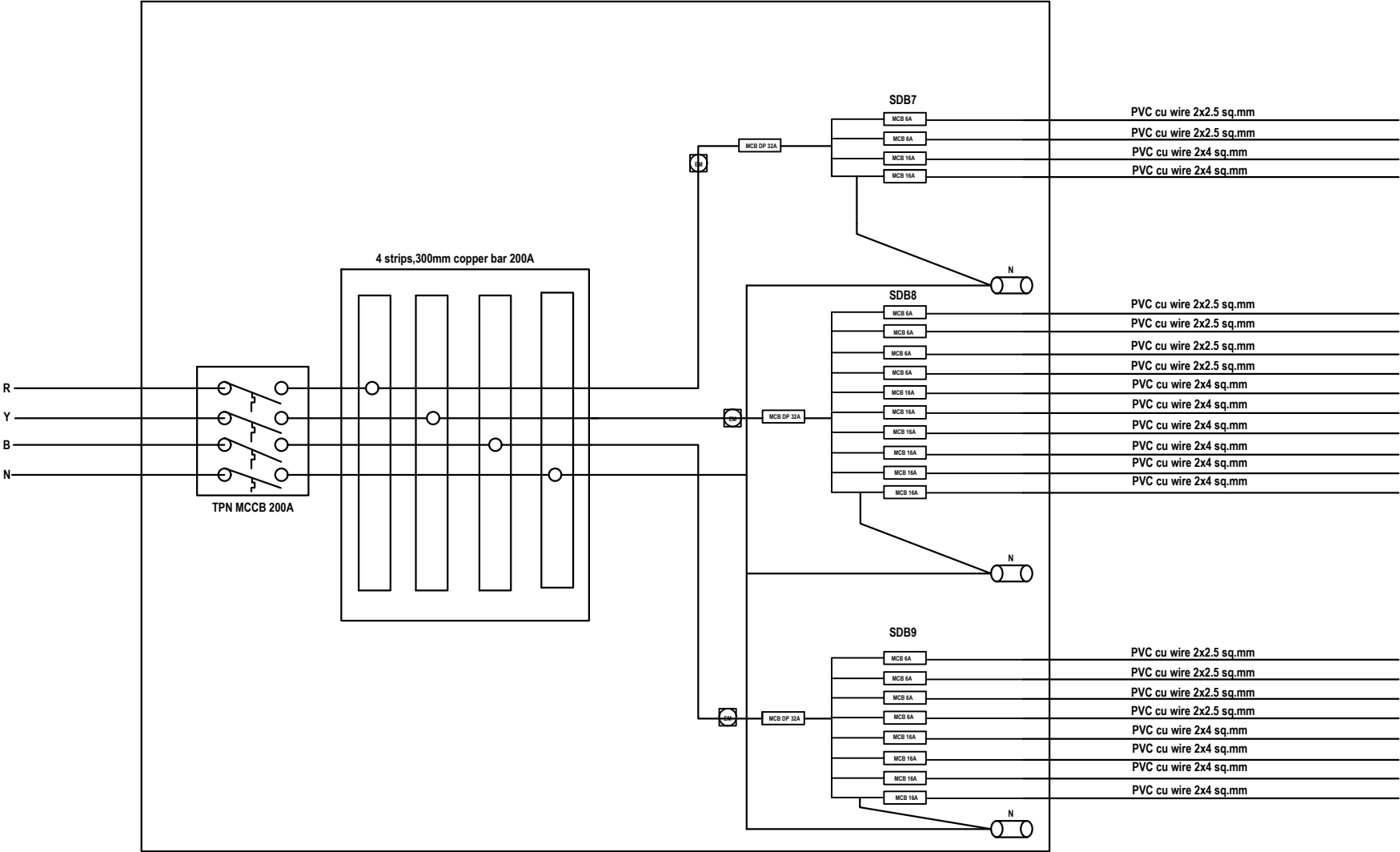
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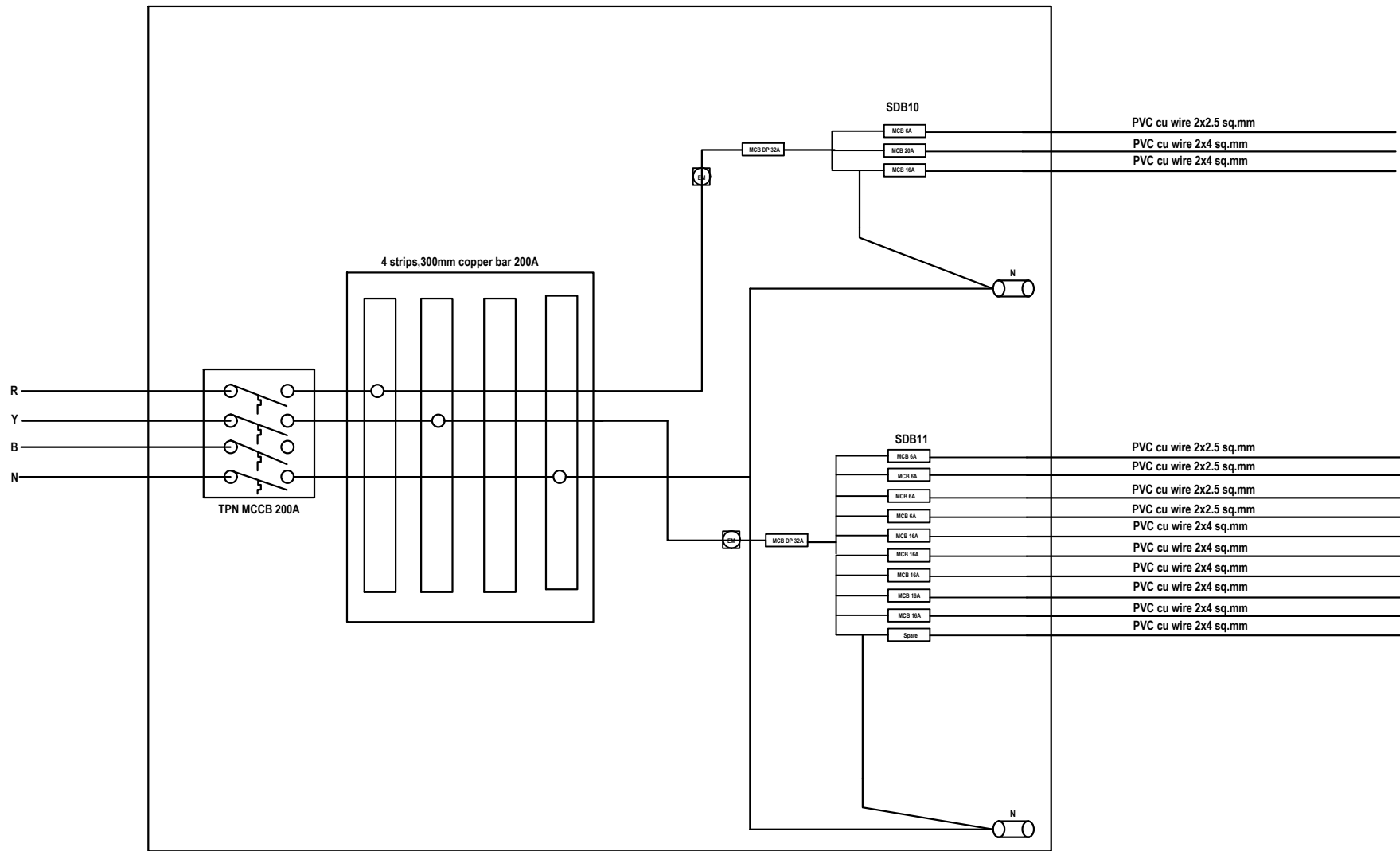
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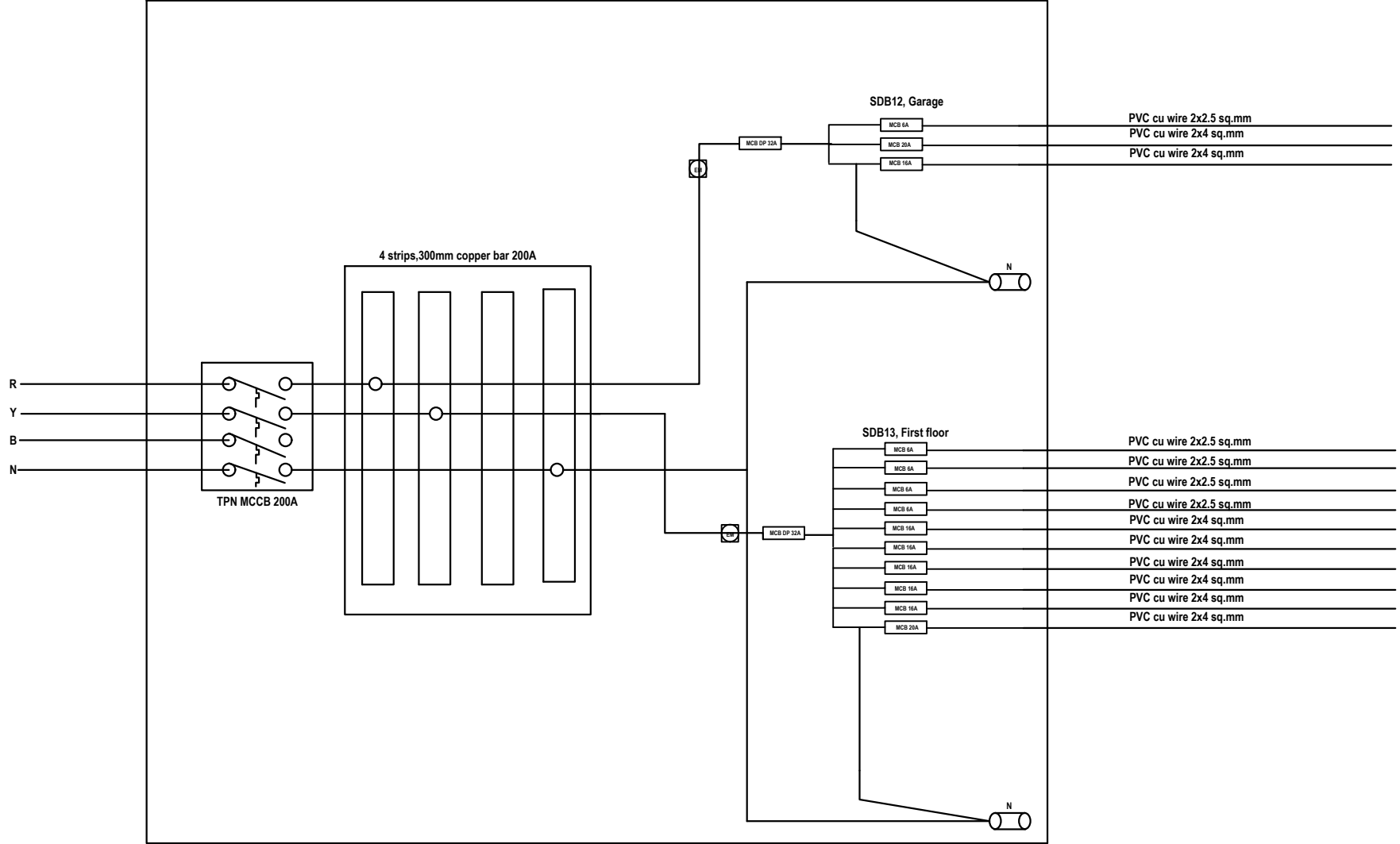
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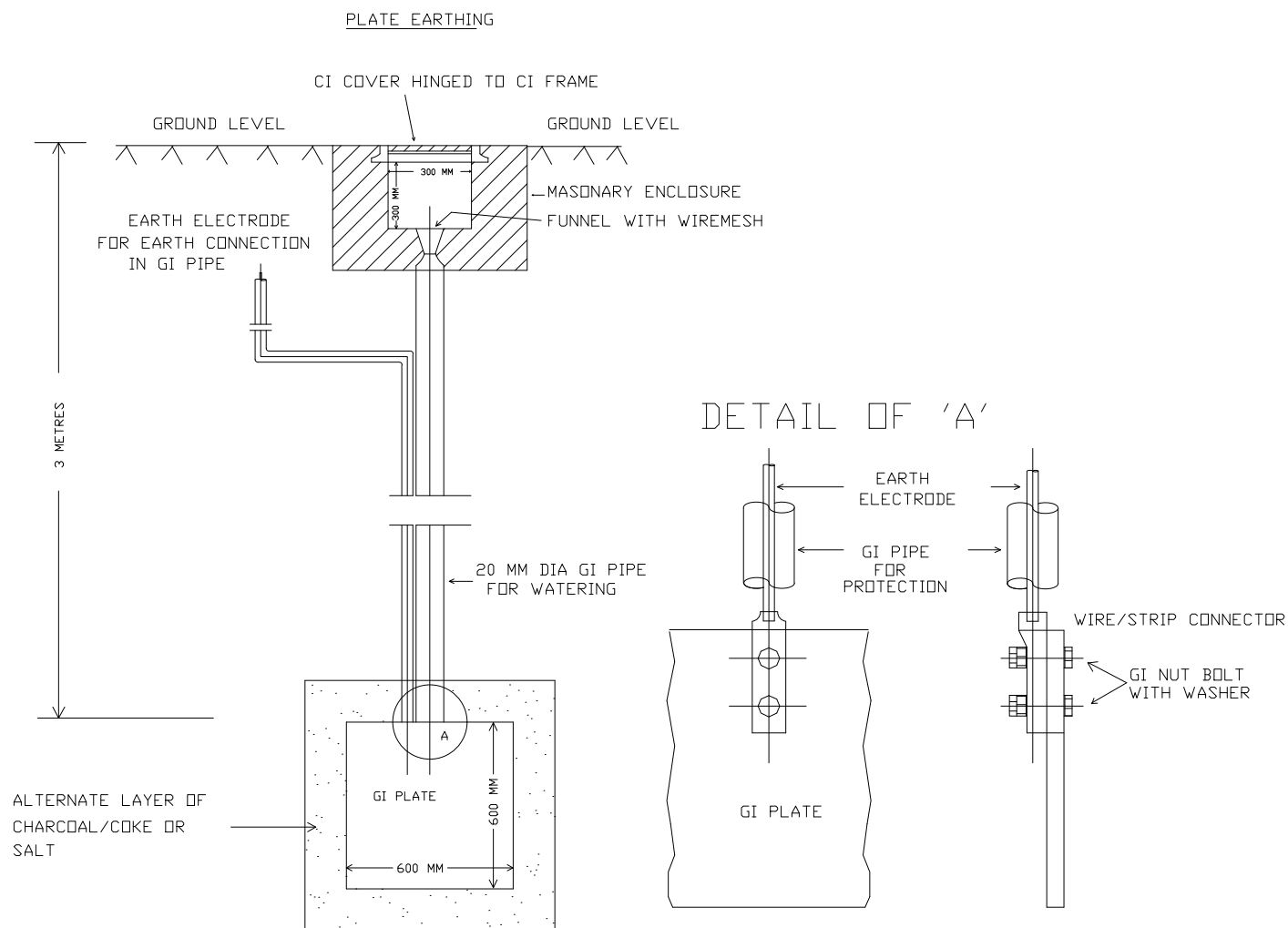


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