

# GROUP 11

COMPUTER AIDED DESIGN & DRAFTING [U]

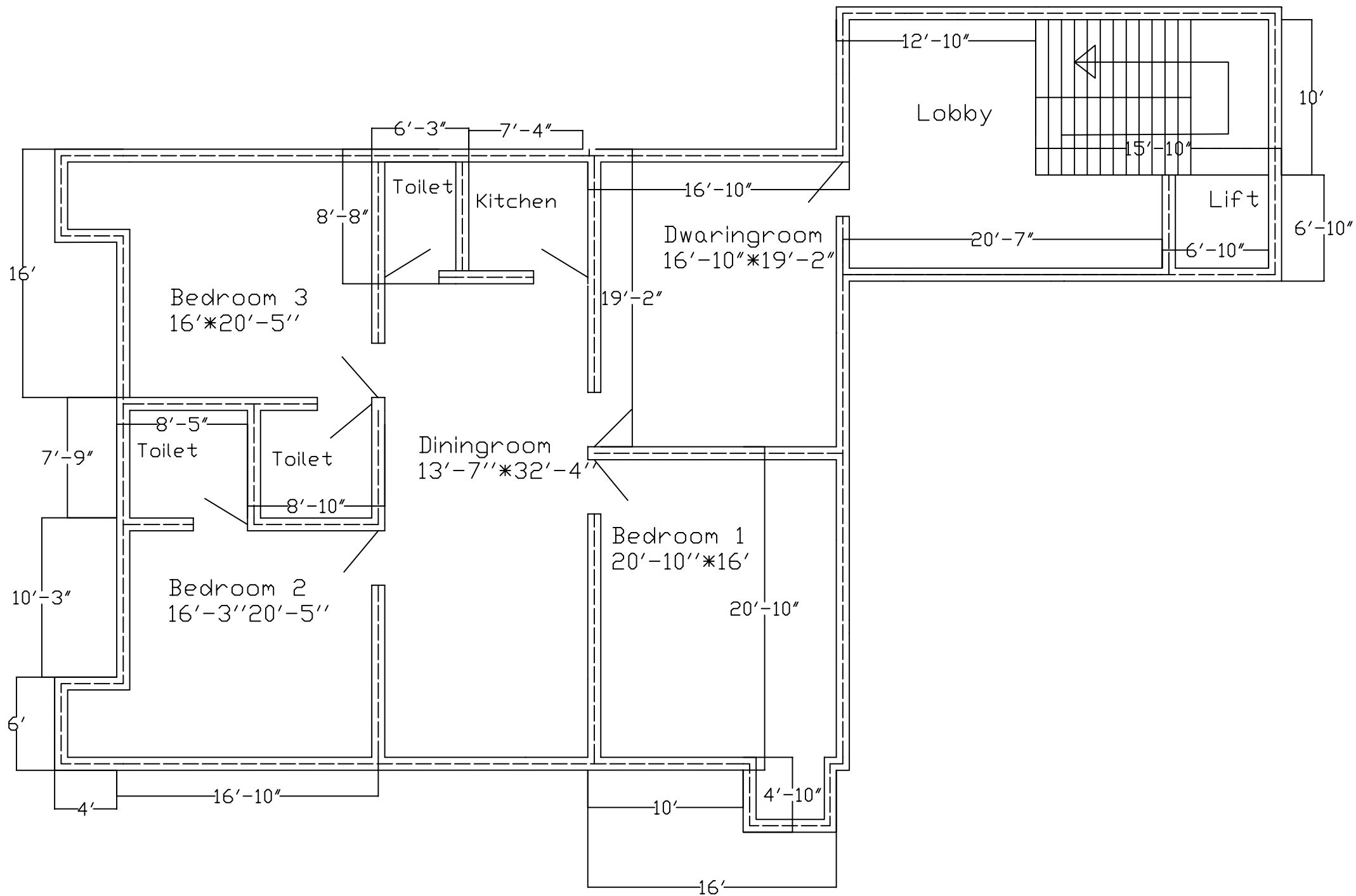
**NAME: FAZLA IMAM DIP**

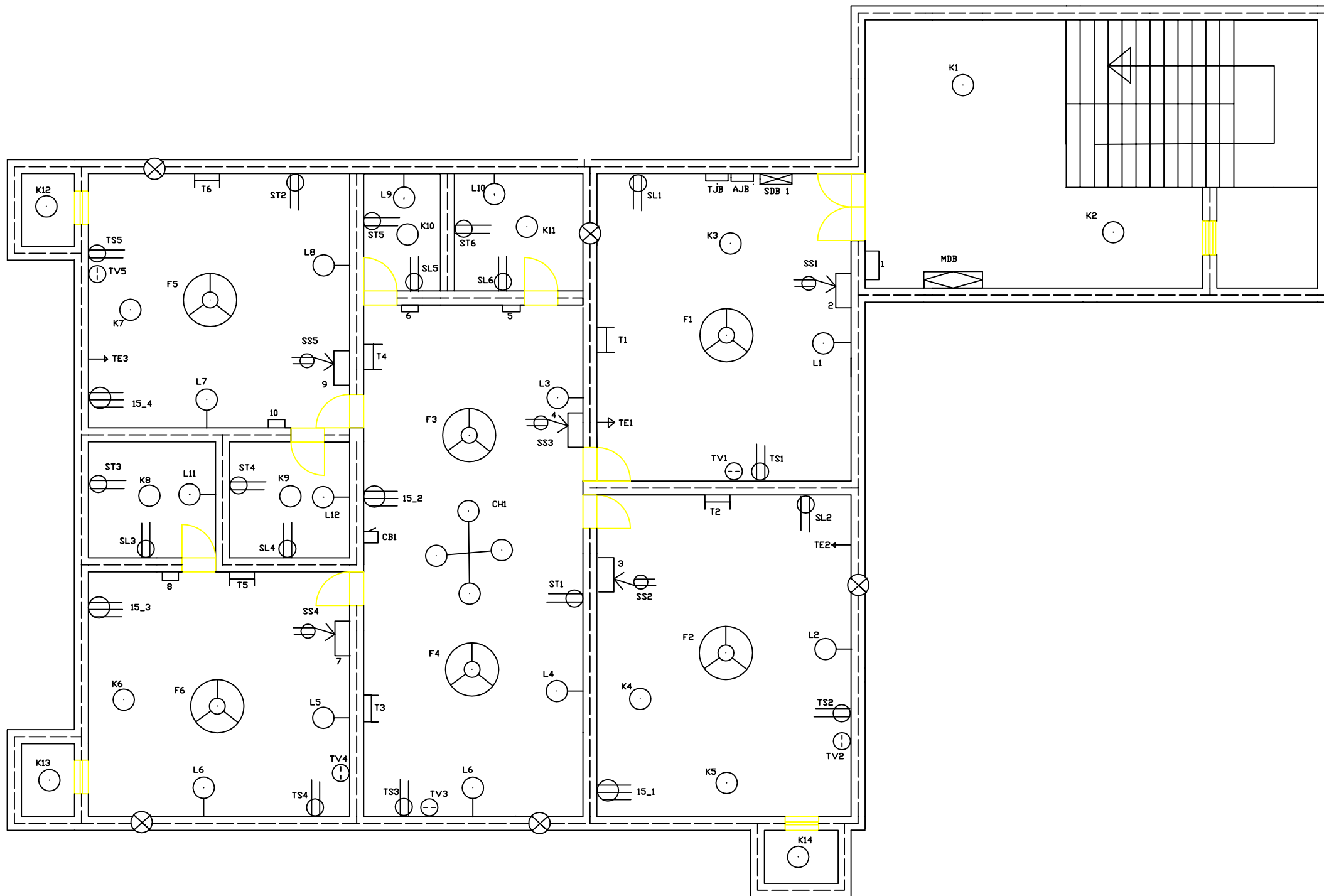
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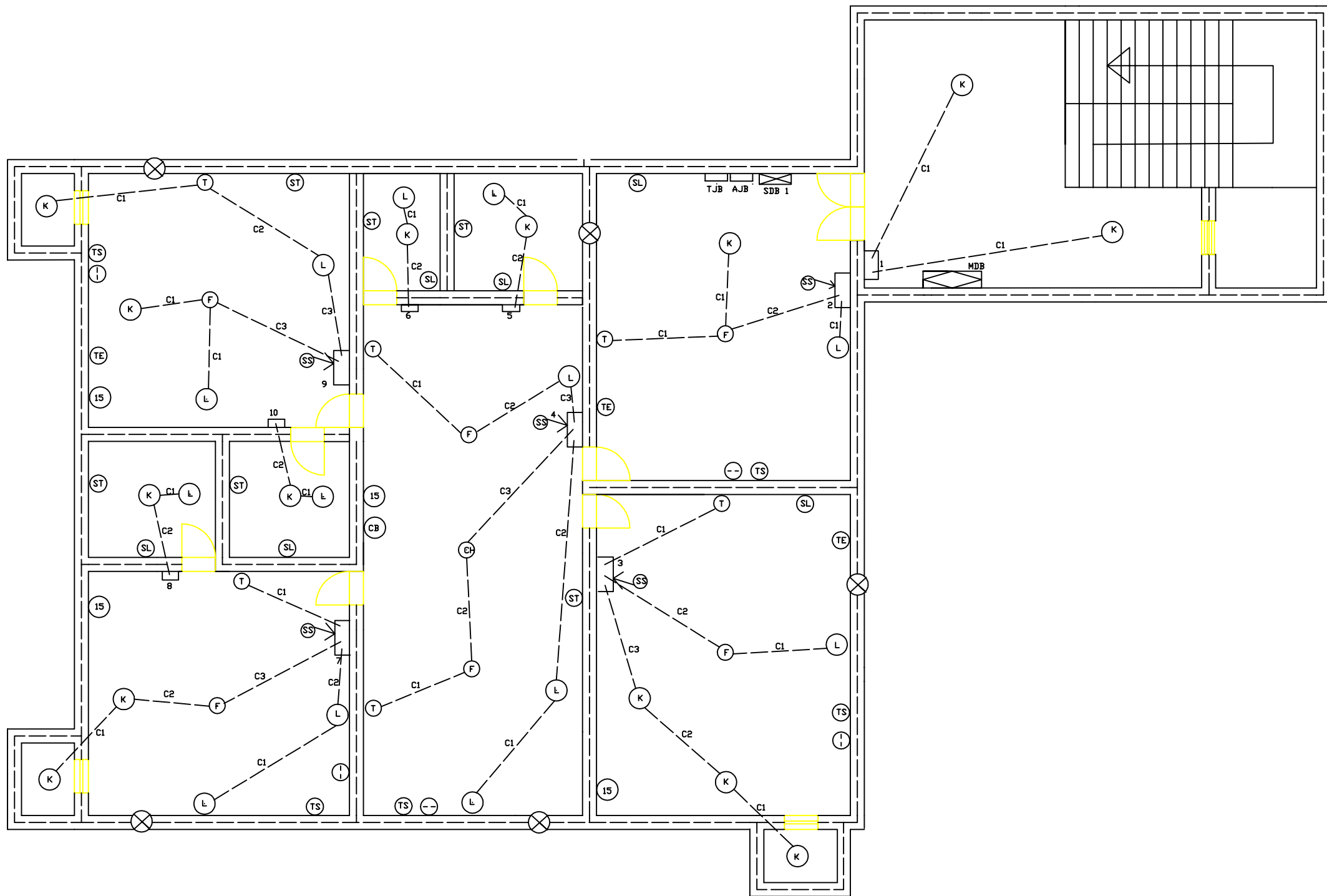
**NAME: SURAYA KHONDOKER**

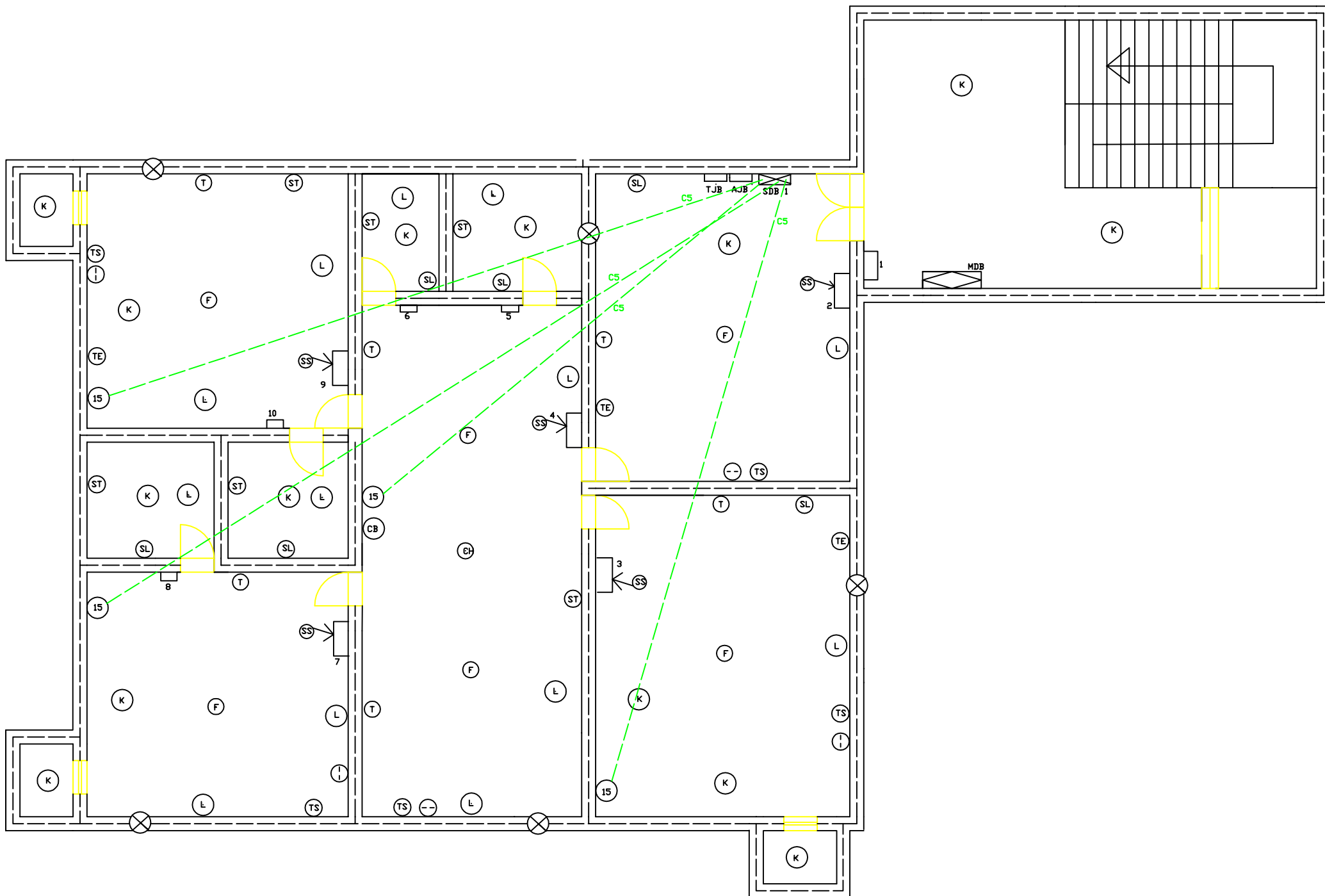
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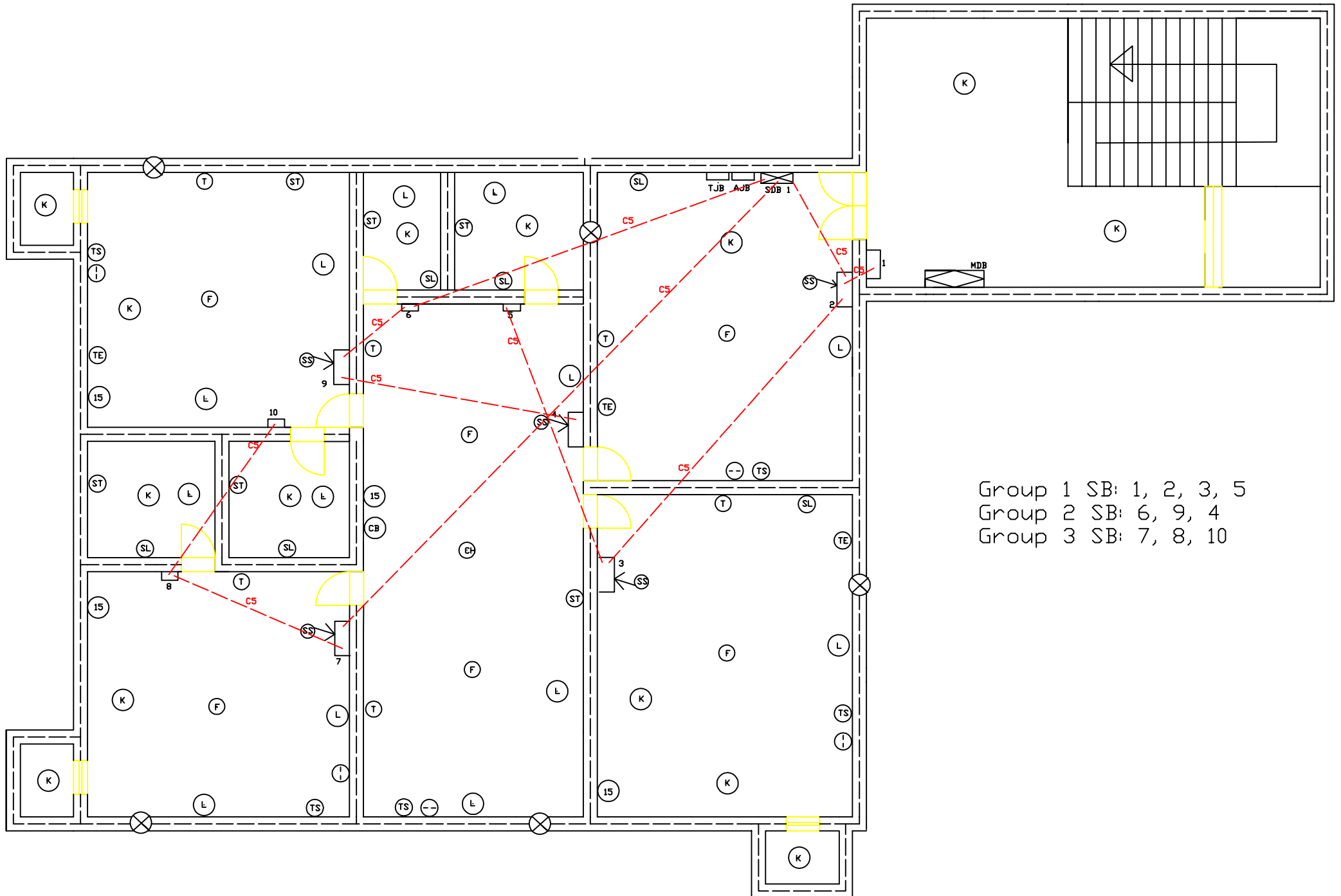
DATE: 24/07/21  
SECTION: U











Group 1 SB: 1, 2, 3, 5  
 Group 2 SB: 6, 9, 4  
 Group 3 SB: 7, 8, 10

Switchboard 1= K1 + K2

= 100 + 100 watt

= 200 watt

Switchboard 2= F1 + SS1 + L1 + TS1 + T1 + SL1 + K3

= 45 + 150 + 100 + 120 + 150 + 100 watt

= 665 watt

Switchboard 3= F2 + SL2 + T2 + L2 + TS2 + K5 + 15\_1 + K4 + SS2 + K14

= 45 + 150 + 100 + 100 + 120 + 100 + 2000 + 100 + 150 + 100 watt

= 2965 watt

Switchboard 4= F3 + F4 + CH1 + SS3 + L3 + ST1 + L4 + L6 + TS3 + T3 + 15\_2 + T4

= 45 + 45 + 400 + 150 + 100 + 150 + 100 + 100 + 120 + 180 + 100 watt

= 1490 watt

Switchboard 5= ST3 + SL3 + K8 + L11

= 150 + 150 + 100 + 100 watt

= 500 watt

$$\text{Switchboard 6} = \text{ST6} + \text{SL6} + \text{L10} + \text{K11}$$

$$= 150 + 150 + 100 + 100 \text{ watt}$$

$$= 500 \text{ watt}$$

$$\text{Switchboard 7} = \text{F6} + \text{SS4} + \text{L5} + \text{TS4} + \text{L6} + \text{K6} + \text{15\_3} + \text{T5} + \text{K13}$$

$$= 45 + 150 + 100 + 120 + 100 + 100 + 2000 + 100 + 100 \text{ watt}$$

$$= 2815 \text{ watt}$$

$$\text{Switchboard 8} = \text{ST6} + \text{SL6} + \text{L10} + \text{K11}$$

$$= 150 + 150 + 100 + 100 \text{ watt}$$

$$= 500 \text{ watt}$$

$$\text{Switchboard 9} = \text{F5} + \text{L8} + \text{SS3} + \text{L7} + \text{15\_4} + \text{K7} + \text{TS5} + \text{T6} + \text{ST2} + \text{K12}$$

$$= 45 + 100 + 150 + 100 + 2000 + 100 + 120 + 100 + 150 + 100 \text{ watt}$$

$$= 2965 \text{ watt}$$

$$\text{Switchboard 10} = \text{ST6} + \text{SL6} + \text{L10} + \text{K11}$$

$$= 150 + 150 + 100 + 100 \text{ watt}$$



$$= 500 \text{ watt}$$

Apartment A= Switchboard 1 + Switchboard 2 + Switchboard 3 + Switchboard 4 + Switchboard 5 + Switchboard 6 + Switchboard 7 + Switchboard

8 + Switchboard 9 + Switchboard 10 +

$$= 2965 + 2815 + 2965 + 665 + 1490 + 500 + 500 + 500 + 500 + 200 \text{ watt}$$

$$= 13100 \text{ watt}$$

A building= Apartment A \* 10

$$= 13100 * 10 \text{ watt}$$

$$= 131000 \text{ watt}$$

