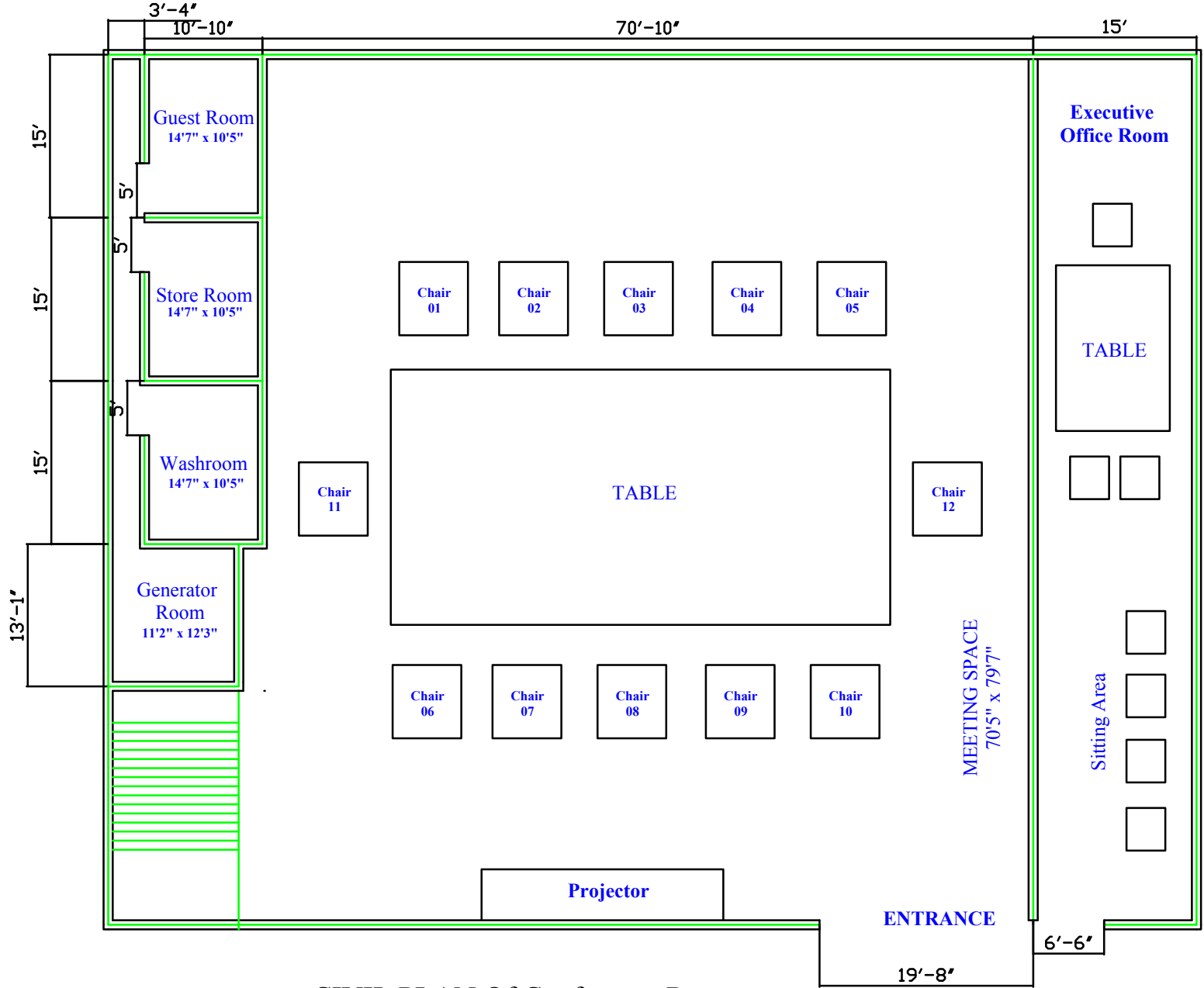


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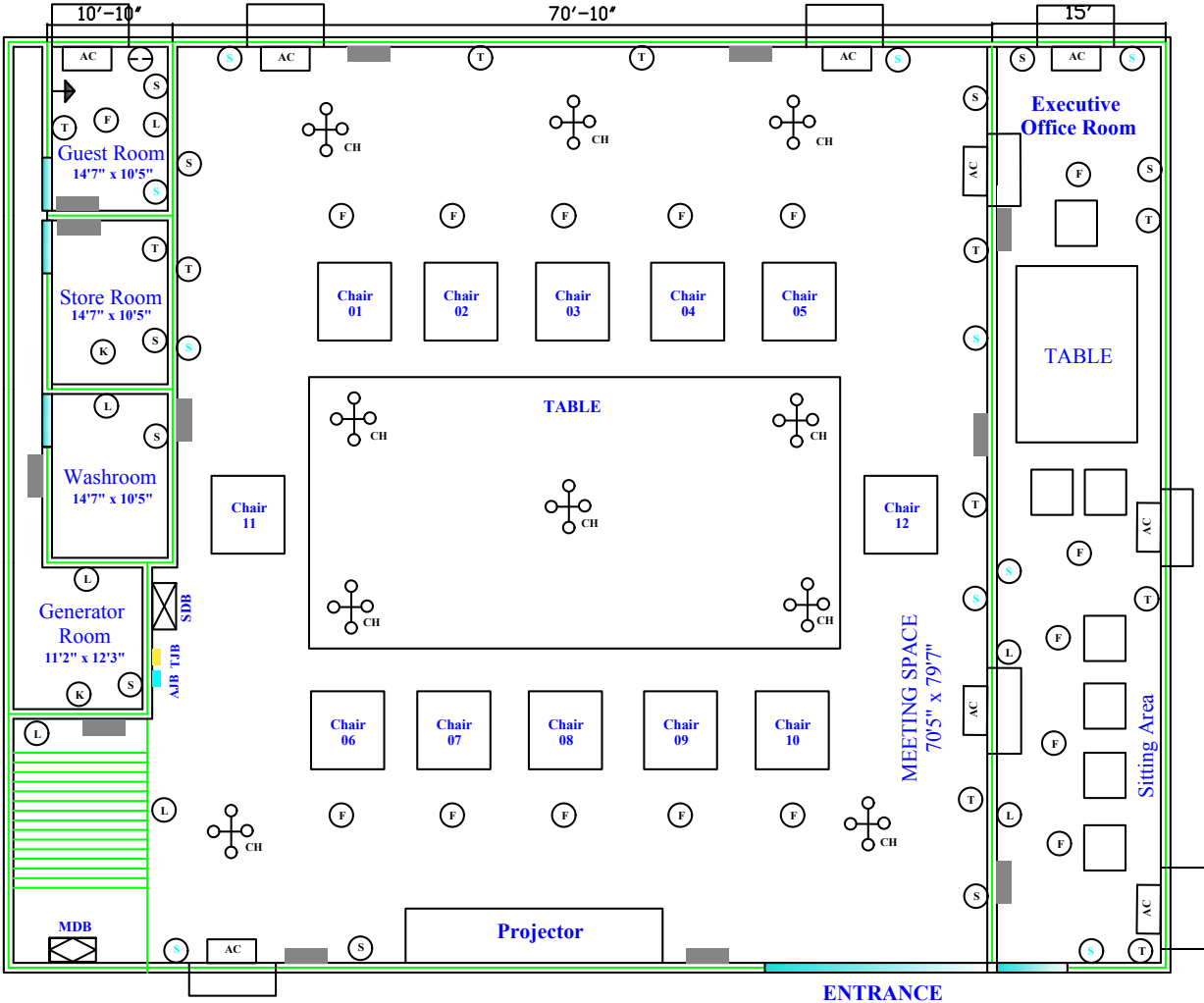
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CIVIL PLAN Of Conference Room

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Legend	
Components & Short Form	Symbol
Fan->(F)	
Light->(L)	
Tube Light->(T)	
One Kind of Light->(K)	
Television->(TV)	
Telephone->(TE)	
Motor->(M)	
Hanging Light->(CH)	
Multiple Light->(ML)	
Circuit Breaker->(CB)	
Switch Board->(SB)	
Switch Board Socket->(SS)	
Two Pin Socket->(SS)	
Skirting Level Socket->(SL)	
TV Socket->(TS)	
3 Pin Socket->(15_N)	
Telephone Junction Board->(TJB)	
Antenna Junction Board->(AJB)	
Main Distribution Board->(MDB)	
Sub Distribution Board->(SDB)	
Exhaust Fan->(EF)	

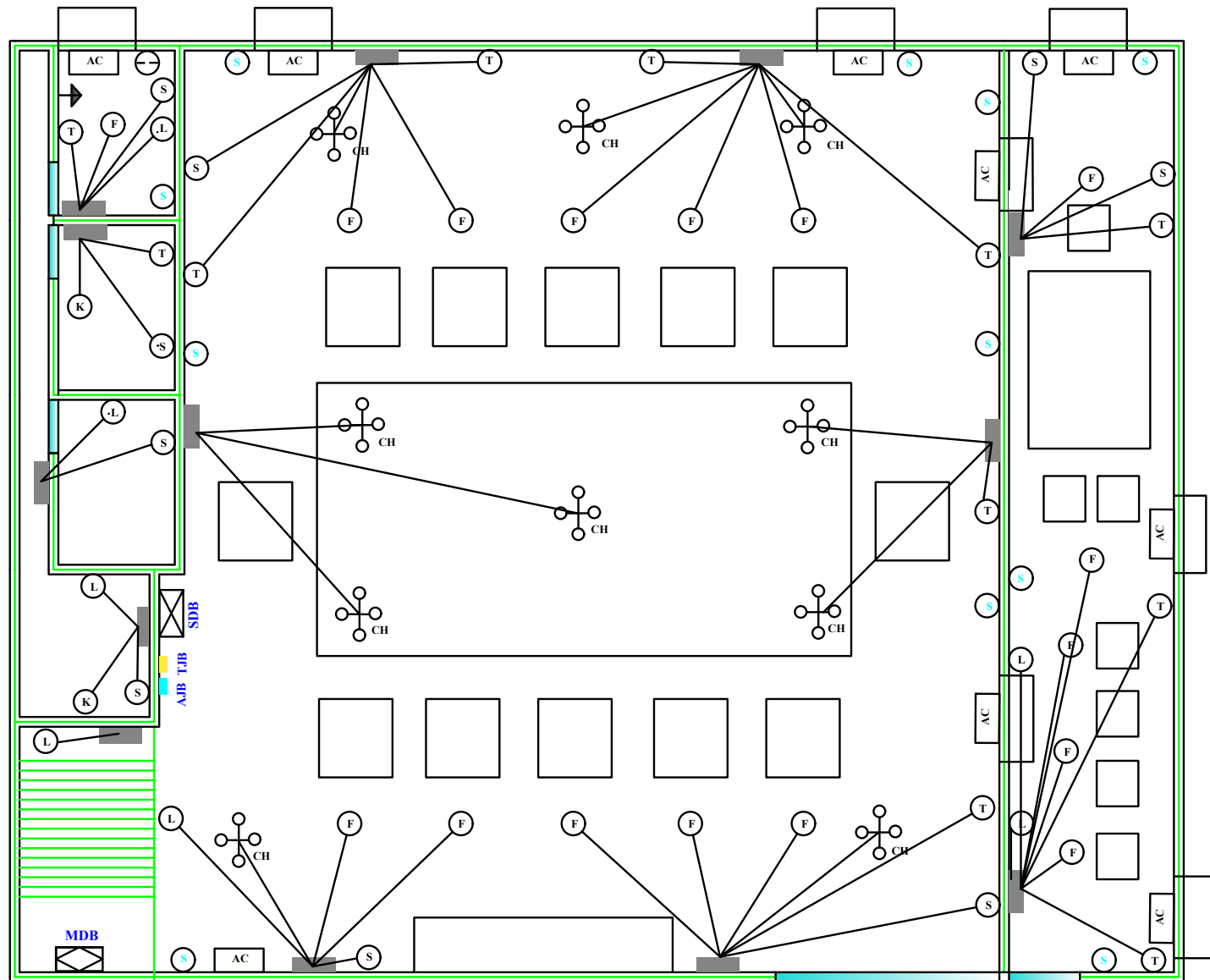
Electric Fittings and Fixture Layout

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Conduit Layout - Layer - 1

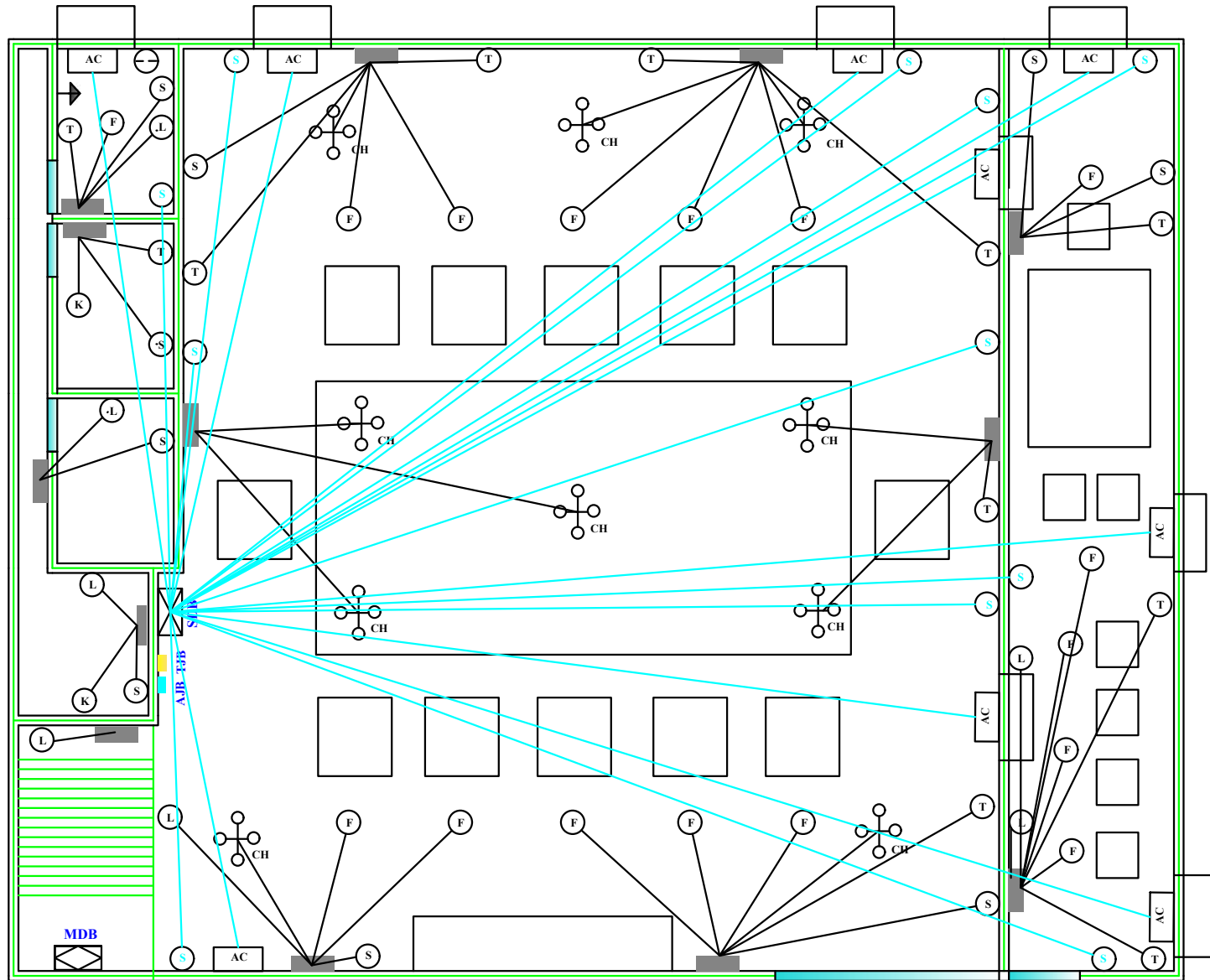
Room Light Load Wiring

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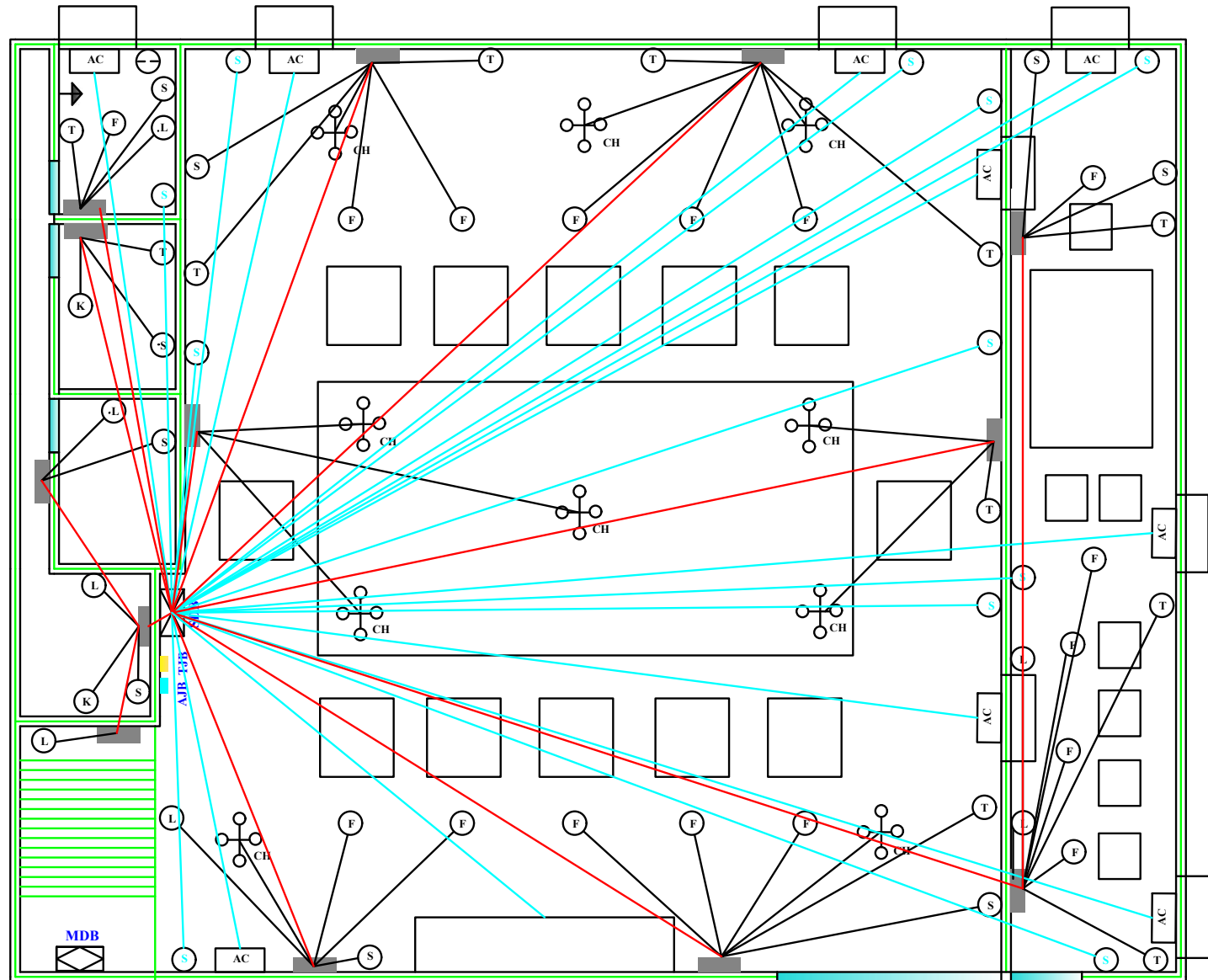
Conduit Layout - Layer - 2
Heavy Load Wiring

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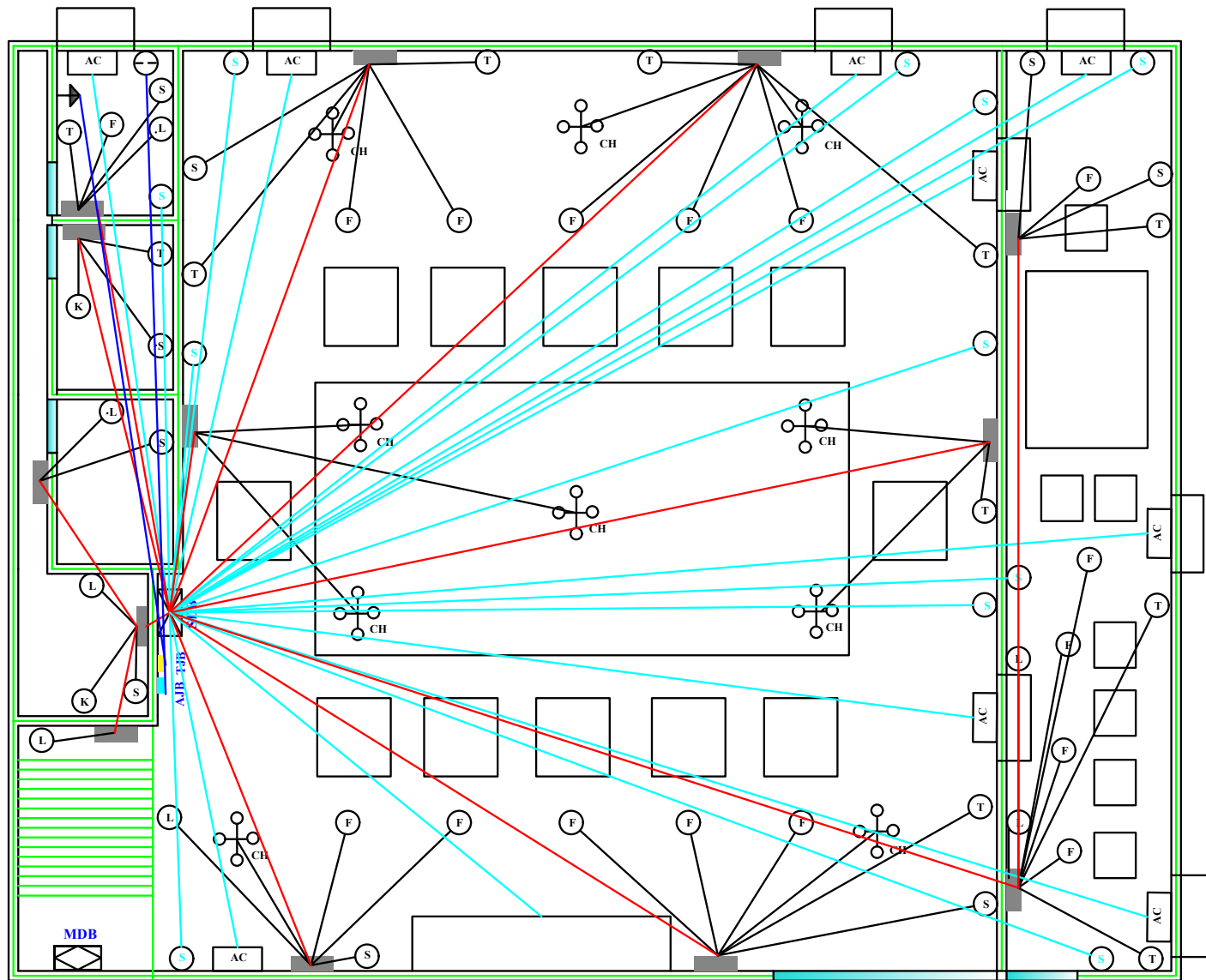
Conduit Layout - Layer - 3
SB Grouping & SDB-SB Wiring

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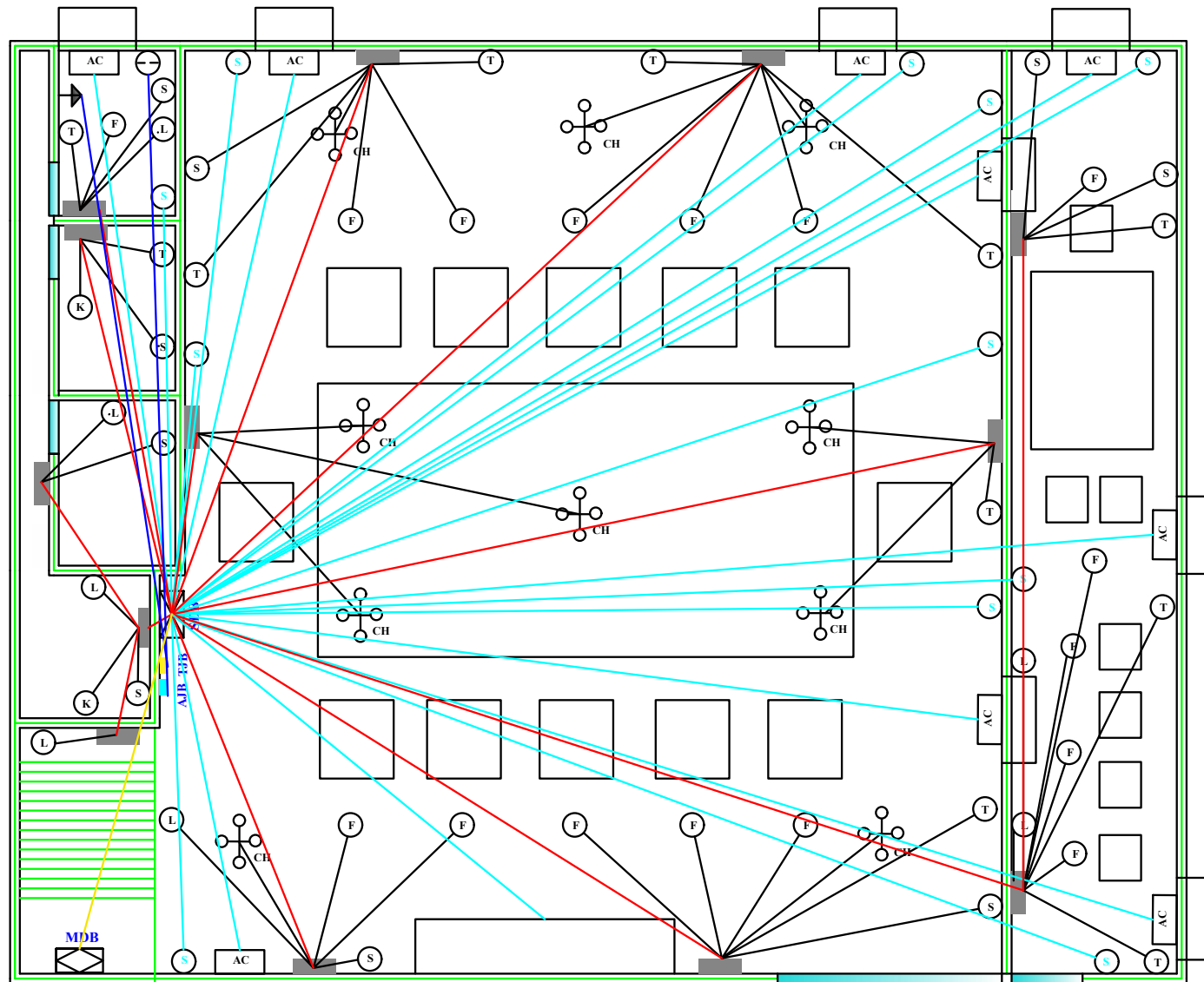
Conduit Layout - Layer - 4
Cable TV, Telephone & Calling Bell Wiring

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Conduit Layout - Layer - 5
MDB-SDB Connection

Power Rating Calculation:

Sl. No.	Appliance/Device	Quantity	Power per Unit (Watt)	Total Power (Watt)
1	Normal Light	18	100	1800
2	Hanging Light	10	40	400
3	Ceiling Fan	16	70	1120
4	1-Pin Socket (5A)	9	200	1800
5	3-Pin Socket (15A)	11	1000	11000
6	Air Conditioner (AC)	9	1200	10800
7	Television	1	200	200
8	Telephone	1	5	5
	Total			27125 W / 27.12 kW

Total Power Requirement:

- **Total Load** = 1,800 + 400 + 1,120 + 1,800 + 11,000 + 10,800 + 200 + 5
- **Total** = 27,125 Watts = 27.13 kW

Generator Recommendation:

- Nearest Generator Size Required: **48 kW**

Generator Room Requirement (as per Bangladesh National Building Code):

- **Minimum Area:** 24 square meters for the generator room (for a conference room setup).