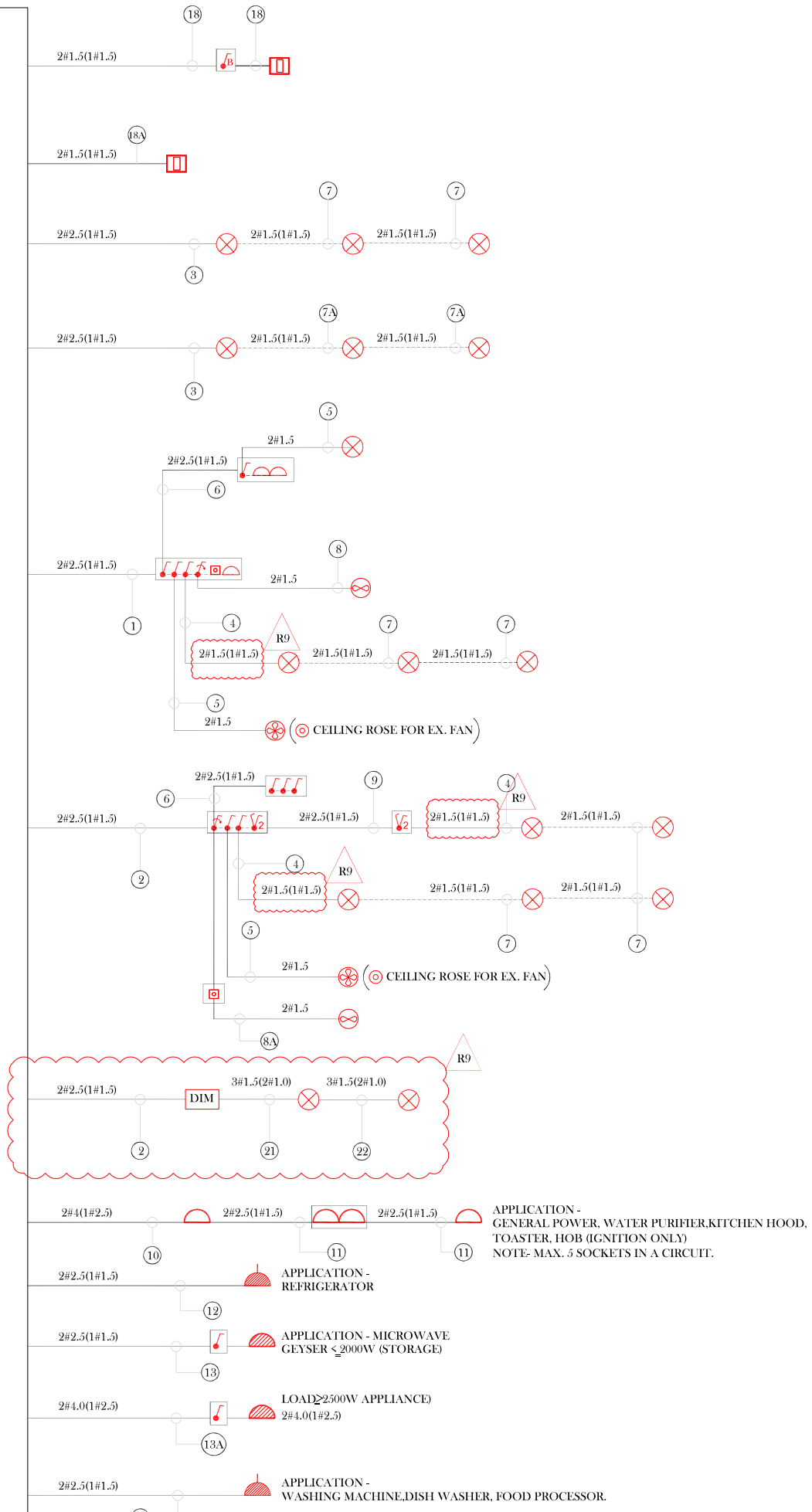
DISTRIBUTION BOARD



Type	Conductors	For	Application
Wiring Type 1	2#2.5 (1#1.5)	From DB to first switch board with lighting switch and power outlet	Lighting, fans and small power
Wiring Type 2	2#2.5 (1#1.5)	From DB to first lighting switchboard	Control Distribution along with switch
Wiring Type 3	2#2.5 (1#1.5)	From DB to first light point (no switch in between)	DB controlled lighting
Wiring Type 4	2#2.5 (1#1.5)	From Switch board to first light point	Lighting
Wiring Type 5	2#1.5	From switchboard to single light point	Lighting, exhaust fan Earth wire is expected to loop from nearest point
Wiring Type 6	2#2.5 (1#1.5)	From Switchboard to Switchboard	Lighting, fans and small power
Wiring Type 7	2#1.5 (1#1.5)	From light point to light point	Looped lighting
Wiring Type 7A	2#1.5 (1#1.5)	From light point to light point	Looped lighting for ceiling or vertical cove
Wiring Type 8	2#1.5	Switch & regulator on one switchboard	Ceiling fan Earth wire is expected to loop from nearest point
Wiring Type 8A	2#1.5 (1#1.5)	Switch & regulator on seprate location	Ceiling fan
Wiring Type 9	2#2.5 (1#1.5)	From one two way switch to another two way switch	2 way controlled lighting
Wiring Type 10	2#4 (1#2.5)	From DB to first socket (6A) in a circuit with multiple looped sockets	General Purpose, Hood, Hob, Water Purifier, Toaster etc.
Wiring Type 11	2#2.5 (1#1.5)	From Socket to socket (6A) in a circuit with multiple looped sockets	Same as wiring type 9
Wiring Type 12	2#2.5 (1#1.5)	From DB to a socket (16A), with no subsequent looping (switch and socket in the same back box)	Refrigerator 750/1000W
Wiring Type 13	2#2.5 (1#1.5)	From DB to a socket (16A), with no subsequent looping (switch and socket in separate back boxes)	Microwave Oven 1000W, Geyser Storage 2000W
Wiring Type 13A	2#4.0 (1#2.5)	From DB to a socket (20A), with no subsequent looping (switch and socket in separate back boxes)	LOAD ≥ 2500W APPLIANCE
Wiring Type 14	2#2.5 (1#1.5)	From DB to socket (16A), with no subsequent looping (switch and socket in the same back box)	Washing Machine 1000W, Dishwasher 1200W, Food Processor 1000W
Wiring Type 15	2#2.5 (1#1.5)	From DB to AC point, with 16A DP/SP Switch	AC 1TR 1400W
Wiring Type 16	2#4 (1#2.5)	From DB to AC point, with 20A DP/SP Switch	AC 1.TR, 2TR 1600/3000W
Wiring Type 17	2#4 (1#2.5)	Wiring for socket (16A) in a circuit with 2 looped sockets	Basements Utility
Wiring Type 18	2#1.5 (1#1.5)	From DB/SB to push button (6A), push button to call bell	Call Bell point
Wiring Type 18A	2#1.5 (1#1.5)	Back box ONT/VDP Back box	Call Bell point
Wiring Type 19	2#4 (1#2.5)	From DB to isolator, 25A	Apartment swimming pool, Jacuzzi, Home lift,
Wiring Type 20	4#6 (1#4) / 4#10(1#6)	From DB to isolator, 3-Ph, 25A	VRV ODU
Wiring Type 21	3#1.5 (2#1.0)	From Dimmer to lighting points	Dimmer Controlled lighting
Wiring Type 22	3#1.5 (2#1.0)	Light Point to light point	Dimmer Controlled lighting

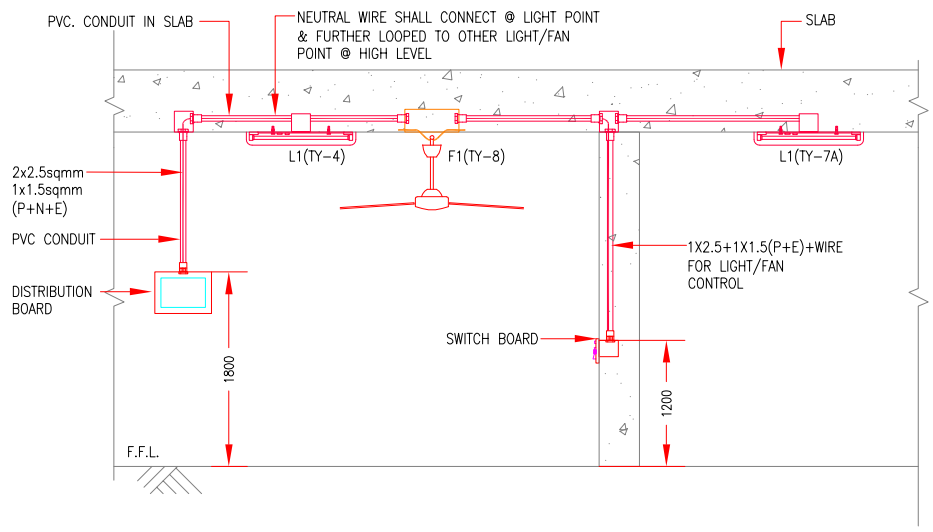
Notes:

1. More than 5 nos 6A sockets shall not be looped in a circuit
2. More than 2 nos 16A sockets shall not be looped in a circuit
3. Care should be taken to preferrably restrict a circuit within a room or a group of the room and its associated ancilliaries (store, bathroom, walk in wardrobe, deck/balcony etc.)
4. DP switches are required in all such situations where the wires are directly terminating in the unit (without a plug/socket point)
5. Lift feeder shall have 100mA RCD at DB. Jaccuzi shall have 10mA RCBO.

LEGEND:-

	SWITCH
	16A SWITCH
2	6A TWO WAY SWITCH
	FAN REGULATOR
	LIGHT POINT
	FAN POINT
	EXHAUST FAN POINT
	6A TWIN UNSWITCHED SOCKET
	6A SINGLE UNSWITCHED SOCKET
	6A SWITCH SOCKET
	16A SINGLE OR TWIN UNSWITCHED SOCKET
	16A SWITCHED SOCKET
	20A UNSWITCHED SOCKET
16	16A D.P. SWITCH
20	20A D.P. SWITCH
	JUCTION BOX
25A	25A ISOLATOR
3Ø 25A	25A 3Ø ISOLATOR
N	POINT WIRING TYPE
	CALL BELL
B	6A BELL PUSH SWITCH
	CEILING ROSE
	FAN RAGULATOR

2#2.5(1#1.5)
- SIZE OF PE
- 1 NO. WIRE
- SIZE OF PHASE+NEUTRAL
- 2 NO. WIRES



NOTE:-

1) NEUTRAL WIRE SHALL NOT TO BE PULLED UPTO SWITCH BOARD SAME TO BE LOOPED FROM LIGHT POINT TO LIGHT/FAN POINT SIMILAR PHASE
2) NEUTRAL WIRE SHALL BE TERMINATED IN SWITCH BOARD WHERE SOCKET ARE PLACED ONBOARD ALONG WITH LIGHTING SWITCH.

LIGHTING AND POWER WIRING SCHEME
LODHA MEP DESIGN
LDB–SK01–R9