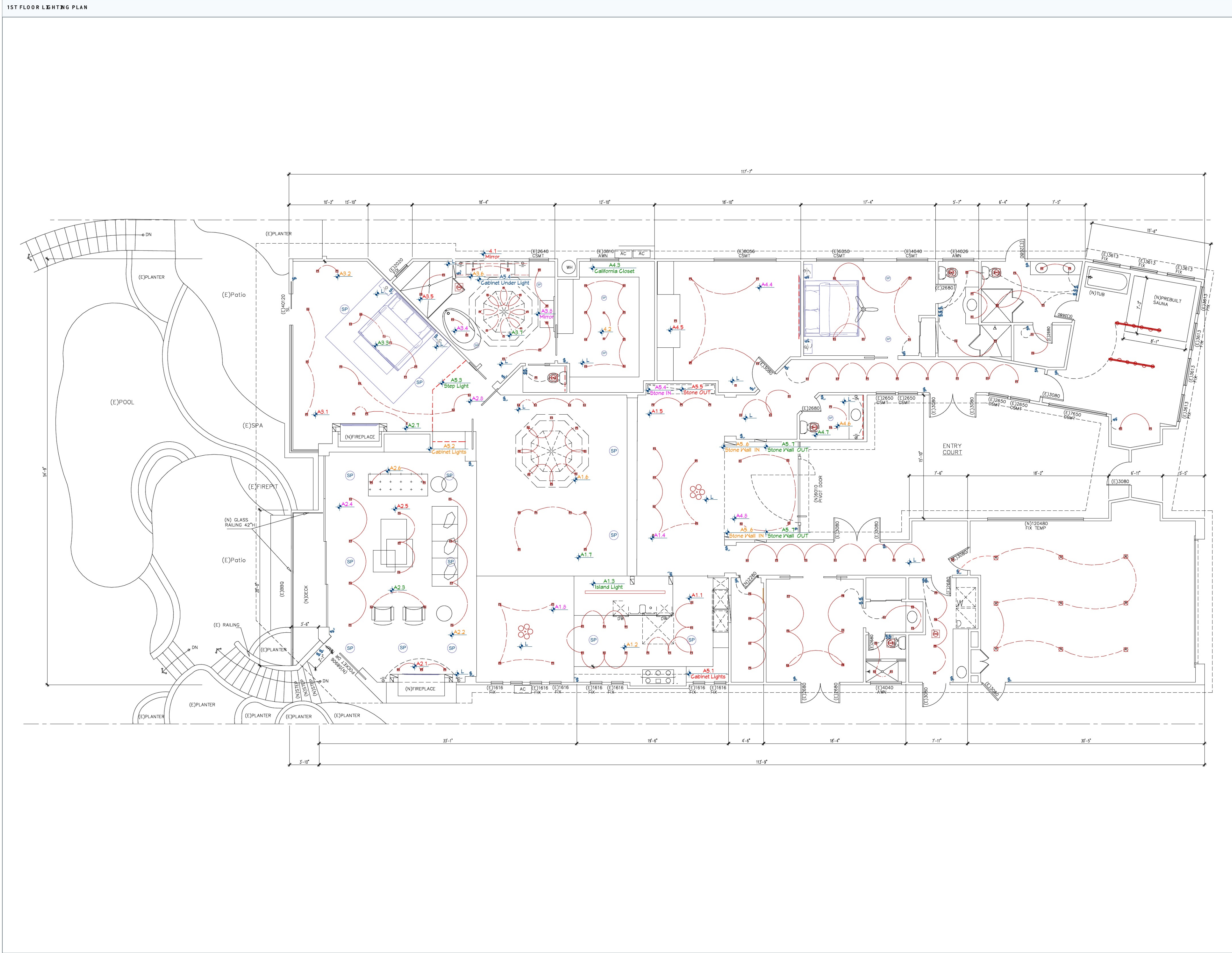


AVELAT SAMPLE RESIDENCE - LIGHTING CONTROL PLAN

Can lighting, switching, centralized panel and load schedule



SAMPLE CENTRALIZED LIGHTING LOAD SCHEDULE									
LOAD	LOADING TYPE	WATT	QTY	TOT WATT	PANEL	COLOR	SLOT#	LOCATION	
1	Recessed Light	15	5	65	A-AP	Red	1.1	Kitchen	
2	Recessed Light	15	5	75	A-AP	Orange	1.2	Kitchen	
3	Recessed Light	15	1	15	A-AP	Green	1.3	Kitchen Island	
4	Recessed Light	15	5	75	A-AP	Purple	1.4	Foyer	
5	Recessed Light	15	3	45	A-AP	Red	1.5	Foyer	
6	Recessed Light	15	5	75	A-AP	Orange	1.6	Bedroom	
7	Recessed Light	15	5	75	A-AP	Green	1.7	Bedroom	
8	Recessed Light	15	5	75	A-AP	Purple	1.8	Dining Room	
A SLOT 2									
LOAD	LOADING TYPE	WATT	QTY	TOT WATT	PANEL	COLOR	SLOT#	LOCATION	
1	Recessed Light	15	3	45	A-AP	Red	2.1	Foyer	
2	Recessed Light	15	4	60	A-AP	Orange	2.2	Foyer	
3	Recessed Light	15	4	60	A-AP	Green	2.3	Foyer	
4	Recessed Light	15	2	30	A-AP	Purple	2.4	Foyer	
5	Recessed Light	15	3	45	A-AP	Red	2.5	Foyer	
6	Recessed Light	15	2	30	A-AP	Orange	2.6	Foyer	
7	Recessed Light	15	2	30	A-AP	Green	2.7	Foyer	
8	Recessed Light	15	4	60	A-AP	Purple	2.8	Foyer	
C1 TOTAL: 1065 W									
LOAD	LOADING TYPE	WATT	QTY	TOT WATT	PANEL	COLOR	SLOT#	LOCATION	
1	Recessed Light	15	3	45	A-AP	Red	3.1	Foyer	
2	Recessed Light	15	2	30	A-AP	Orange	3.2	Foyer	
3	Recessed Light	15	6	90	A-AP	Green	3.3	Foyer	
4	Recessed Light	15	2	30	A-AP	Purple	3.4	Foyer	
5	Recessed Light	15	2	30	A-AP	Red	3.5	Foyer	
6	Recessed Light	15	2	30	A-AP	Orange	3.6	Foyer	
7	Recessed Light	15	2	30	A-AP	Green	3.7	Foyer	
8	Recessed Light	15	4	60	A-AP	Purple	3.8	Foyer	
C1 TOTAL: 1065 W									
LOAD	LOADING TYPE	WATT	QTY	TOT WATT	PANEL	COLOR	SLOT#	LOCATION	
1	Recessed Light	15	3	45	A-AP	Red	4.1	Foyer	
2	Recessed Light	15	2	30	A-AP	Orange	4.2	Foyer	
3	Recessed Light	15	6	90	A-AP	Green	4.3	Foyer	
4	Recessed Light	15	2	30	A-AP	Purple	4.4	Foyer	
5	Recessed Light	15	2	30	A-AP	Red	4.5	Foyer	
6	Recessed Light	15	2	30	A-AP	Orange	4.6	Foyer	
7	Recessed Light	15	2	30	A-AP	Green	4.7	Foyer	
8	Recessed Light	15	4	60	A-AP	Purple	4.8	Foyer	
C2 TOTAL: 1065 W									
LOAD	LOADING TYPE	WATT	QTY	TOT WATT	PANEL	COLOR	SLOT#	LOCATION	
1	Recessed Light	15	1	15	A-AP	Red	5.1	Foyer	
2	Recessed Light	15	2	30	A-AP	Orange	5.2	Foyer	
3	Recessed Light	15	1	15	A-AP	Green	5.3	Foyer	
4	Recessed Light	15	4	60	A-AP	Purple	5.4	Foyer	
5	Recessed Light	15	1	15	A-AP	Red	5.5	Foyer	
6	Recessed Light	15	2	30	A-AP	Orange	5.6	Foyer	
7	Recessed Light	15	1	15	A-AP	Green	5.7	Foyer	
8	Recessed Light	15	1	15	A-AP	Purple	5.8	Foyer	
C2 TOTAL: 1065 W									
LOAD	LOADING TYPE	WATT	QTY	TOT WATT	PANEL	COLOR	SLOT#	LOCATION	
1	Recessed Light	15	1	15	A-AP	Red	6.1	Foyer	
2	Recessed Light	15	1	15	A-AP	Orange	6.2	Foyer	
3	Recessed Light	15	1	15	A-AP	Green	6.3	Foyer	
4	Recessed Light	15	1	15	A-AP	Purple	6.4	Foyer	
5	Recessed Light	15	1	15	A-AP	Red	6.5	Foyer	
6	Recessed Light	15	1	15	A-AP	Orange	6.6	Foyer	
7	Recessed Light	15	1	15	A-AP	Green	6.7	Foyer	
8	Recessed Light	15	1	15	A-AP	Purple	6.8	Foyer	
C2 TOTAL: 1065 W									
LOAD	LOADING TYPE	WATT	QTY	TOT WATT	PANEL	COLOR	SLOT#	LOCATION	
1	Recessed Light	15	1	15	A-AP	Red	7.1	Foyer	
2	Recessed Light	15	1	15	A-AP	Orange	7.2	Foyer	
3	Recessed Light	15	1	15	A-AP	Green	7.3	Foyer	
4	Recessed Light	15	1	15	A-AP	Purple	7.4	Foyer	
5	Recessed Light	15	1	15	A-AP	Red	7.5	Foyer	
6	Recessed Light	15	1	15	A-AP	Orange	7.6	Foyer	
7	Recessed Light	15	1	15	A-AP	Green	7.7	Foyer	
8	Recessed Light	15	1	15	A-AP	Purple	7.8	Foyer	
C2 TOTAL: 1065 W									
LOAD	LOADING TYPE	WATT	QTY	TOT WATT	PANEL	COLOR	SLOT#	LOCATION	
1	Recessed Light	15	1	15	A-AP	Red	8.1	Foyer	
2	Recessed Light	15	1	15	A-AP	Orange	8.2	Foyer	
3	Recessed Light	15	1	15	A-AP	Green	8.3	Foyer	
4	Recessed Light	15	1	15	A-AP	Purple	8.4	Foyer	
5	Recessed Light	15	1	15	A-AP	Red	8.5	Foyer	
6	Recessed Light	15	1	15	A-AP	Orange	8.6	Foyer	
7	Recessed Light	15	1	15	A-AP	Green	8.7	Foyer	
8	Recessed Light	15	1	15	A-AP	Purple	8.8	Foyer	
C2 TOTAL: 1065 W									
LOAD	LOADING TYPE	WATT	QTY	TOT WATT	PANEL	COLOR	SLOT#	LOCATION	
1	Recessed Light	15	1	15	A-AP	Red	9.1	Foyer	
2	Recessed Light	15	1	15	A-AP	Orange	9.2	Foyer	
3	Recessed Light	15	1	15	A-AP	Green	9.3	Foyer	
4	Recessed Light	15	1	15	A-AP	Purple	9.4	Foyer	
5	Recessed Light	15	1	15	A-AP	Red	9.5	Foyer	
6	Recessed Light	15	1	15	A-AP	Orange	9.6	Foyer	
7	Recessed Light	15	1	15	A-AP	Green	9.7	Foyer	
8	Recessed Light	15	1	15	A-AP	Purple	9.8	Foyer	
C2 TOTAL: 1065 W									
LOAD	LOADING TYPE	WATT	QTY	TOT WATT	PANEL	COLOR	SLOT#	LOCATION	
1	Recessed Light	15	1	15	A-AP	Red	10.1	Foyer	
2	Recessed Light	15	1	15	A-AP	Orange	10.2	Foyer	
3	Recessed Light	15	1	15	A-AP	Green	10.3	Foyer	
4	Recessed Light	15	1	15	A-AP	Purple	10.4	Foyer	
5	Recessed Light	15	1	15	A-AP	Red	10.5	Foyer	
6	Recessed Light	15	1	15	A-AP	Orange	10.6	Foyer	
7	Recessed Light	15	1	15	A-AP	Green	10.7	Foyer	
8	Recessed Light	15	1	15	A-AP	Purple	10.8	Foyer	
C2 TOTAL: 1065 W									
LOAD	LOADING TYPE	WATT	QTY	TOT WATT	PANEL	COLOR	SLOT#	LOCATION	
1	Recessed Light	15	1	15	A-AP	Red	11.1	Foyer	
2	Recessed Light	15	1	15	A-AP	Orange	11.2	Foyer	
3	Recessed Light	15	1	15	A-AP	Green	11.3	Foyer	
4	Recessed Light	15	1	15	A-AP	Purple	11.4	Foyer	
5	Recessed Light	15	1	15	A-AP	Red	11.5	Foyer	
6	Recessed Light	15	1	15	A-AP	Orange	11.6	Foyer	
7	Recessed Light	15	1	15	A-AP	Green	11.7	Foyer	
8	Recessed Light	15	1	15	A-AP	Purple	11.8	Foyer	
C2 TOTAL: 1065 W									
LOAD	LOADING TYPE	WATT	QTY	TOT WATT	PANEL	COLOR	SLOT#	LOCATION	
1	Recessed Light	15	1	15	A-AP	Red	12.1	Foyer	
2	Recessed Light	15	1	15	A-AP	Orange	12.2	Foyer	
3	Recessed Light	15	1	15	A-AP	Green	12.3	Foyer	
4	Recessed Light	15	1	15	A-AP	Purple	12.4	Foyer	
5	Recessed Light	15	1	15	A-AP	Red	12.5	Foyer	
6	Recessed Light	15	1	15	A-AP	Orange	12.6	Foyer	
7	Recessed Light	15	1	15	A-AP	Green	12.7	Foyer	
8	Recessed Light	15	1	15	A-AP	Purple	12.8	Foyer	
C2 TOTAL: 1065 W									
LOAD	LOADING TYPE	WATT	QTY	TOT WATT	PANEL	COLOR	SLOT#	LOCATION	
1	Recessed Light	15	1	15	A-AP	Red	13.1	Foyer	
2	Recessed Light	15	1	15	A-AP	Orange	13.2	Foyer	
3	Recessed Light	15	1	15	A-AP	Green	13.3	Foyer	
4	Recessed Light	15	1	15	A-AP	Purple	13.4	Foyer	
5	Recessed Light	15	1	15	A-AP	Red	13.5	Foyer	
6	Recessed Light	15	1	15	A-AP	Orange	13.6	Foyer	
7	Recessed Light	15	1	15	A-AP	Green	13.7	Foyer	
8	Recessed Light	15	1	15	A-AP	Purple	13.8	Foyer	
C2 TOTAL: 1065 W									
LOAD	LOADING TYPE	WATT	QTY	TOT WATT	PANEL	COLOR	SLOT#	LOCATION	
1	Recessed Light	15	1	15	A-AP	Red	14.1	Foyer	
2	Recessed Light	15	1	15	A-AP	Orange	14.2	Foyer	
3	Recessed Light	15	1	15	A-AP	Green	14.3	Foyer	
4	Recessed Light	15	1	15	A-AP	Purple	14.4	Foyer	
5	Recessed Light	15	1	15	A-AP	Red	14.5	Foyer	
6	Recessed Light	15	1	15	A-AP	Orange	14.6	Foyer	
7	Recessed Light	15	1	15	A-AP	Green	14.7	Foyer	
8	Recessed Light	15	1	15	A-AP	Purple	14.8	Foyer	
C2 TOTAL: 1065 W									
LOAD	LOADING TYPE	WATT	QTY	TOT WATT	PANEL	COLOR	SLOT#	LOCATION	
1	Recessed Light	15	1	15	A-AP	Red	15.1	Foyer	
2	Recessed Light	15	1	15	A-AP	Orange	15.2	Foyer	
3	Recessed Light	15	1	15	A-AP	Green	15.3	Foyer	
4	Recessed Light	15	1	15	A-AP	Purple	15.4	Foyer	
5	Recessed Light	15	1	15	A-AP	Red	15.5	Foyer	
6	Recessed Light	15	1	15	A-AP	Orange	15.6	Foyer	
7	Recessed Light	15	1	15	A-AP	Green	15.7	Foyer	
8	Recessed Light	15	1	15	A-AP	Purple	15.8	Foyer	
C2 TOTAL: 1065 W									
LOAD	LOADING TYPE	WATT	QTY	TOT WATT	PANEL	COLOR	SLOT#	LOCATION	
1	Recessed Light	15	1	15	A-AP	Red	16.1	Foyer	
2	Recessed Light	15	1	15	A-AP	Orange	16.2	Foyer	
3	Recessed Light	15	1	15	A-AP	Green	16.3	Foyer	
4	Recessed Light	15	1	15	A-AP	Purple	16.4	Foyer	
5	Recessed Light	15	1	15	A-AP	Red	16.5	Foyer	
6	Recessed Light	15	1	15	A-AP	Orange	16.6	Foyer	
7	Recessed Light	15	1	15	A-AP	Green	16.7	Foyer	
8	Recessed Light	15	1	15	A-AP	Purple	16.8	Foyer	
C2 TOTAL: 1065 W									
LOAD	LOADING TYPE	WATT	QTY	TOT WATT	PANEL	COLOR	SLOT#	LOCATION	
1	Recessed Light	15	1	15	A-AP	Red	17.1	Foyer	
2	Recessed Light	15	1	15	A-AP	Orange	17.2	Foyer	
3	Recessed Light	15	1	15	A-AP	Green	17.3	Foyer	
4	Recessed Light	15	1	15	A-AP	Purple	17.4	Foyer	
5	Recessed Light	15	1	15	A-AP	Red	17.5	Foyer	
6	Recessed Light	15	1	15	A-AP	Orange	17.6	Foyer	
7	Recessed Light	15	1	15	A-AP	Green	17.7	Foyer	
8	Recessed Light	15	1	15	A-AP	Purple	17.8	Foyer	
C2 TOTAL: 1065 W									
LOAD	LOADING TYPE	WATT	QTY	TOT WATT	PANEL	COLOR	SLOT#	LOCATION	
1	Recessed Light	15	1	15	A-AP	Red	18.1	Foyer	
2	Recessed Light	15	1	15	A-AP	Orange	18.2	Foyer	
3	Recessed Light	15	1	15	A-AP	Green	18.3	Foyer	
4	Recessed Light	15	1	15	A-AP	Purple	18.4	Foyer	
5	Recessed Light	15	1	15	A-AP	Red	18.5	Foyer	
6	Recessed Light	15	1	15	A-AP	Orange	18.6	Foyer	
7	Recessed Light	15	1	15	A-AP	Green	18.7	Foyer	
8	Recessed Light	15	1	15	A-AP	Purple	18.8	Foyer	
C2 TOTAL: 1065 W									
LOAD	LOADING TYPE	WATT	QTY	TOT WATT	PANEL	COLOR	SLOT#	LOCATION	
1	Recessed Light	15	1	15	A-AP	Red	19.1	Foyer	
2	Recessed Light	15	1	15	A-AP	Orange	19.2	Foyer	
3	Recessed Light	15	1	15	A-AP	Green	19.3	Foyer	
4	Recessed Light	15	1	15	A-AP	Purple	19.4	Foyer	
5	Recessed Light	15	1	15	A-AP	Red	19.5	Foyer	
6	Recessed Light	15	1	15	A-AP	Orange	19.6	Foyer	
7	Recessed Light	15	1	15	A-AP	Green	19.7	Foyer	
8	Recess								

LOAD COLOR CODE	WIRE COLOR CODE	NOTES
Red	Red = Load	1 Load color from control line is used with the schedule color code.
Orange	Black = Line	2 Black is used for quantity (N) in the schedule color code.
Green	White/Gray = Neutral	3 Line color TOT W values sum to 1158 W.
Purple	Green = Ground	4 The schedule code also shows a broken value of 1158 W, verify the intended meaning before use.

PROJECT/CONTROL NOTES
1. Control 5-slot lighting control panel layout shown for coordination.
2. Panel groups: C1 serves 5-bus 1-3; C2 serves 5-bus 4-5.
3. Label each control load by schedule ID A1.1 through A5.8.
4. Verify ballast/transformer sizes, conductor sizes, dimming type, and fixture voltage in field.
5. Plan background and existing circuit layouts are preserved from the supplied project drawing.

CONTROL 45-SLOT PANEL - DESIGN SUMMARY	
Project	Binahin C Resharth Residence
Floor	1st Floor
Panel	A-AP
Controlled Loads	48 schedule positions
C1	5 bus 1-3
C2	5 bus 4-5
Calculated connected load	1158 W from supplied TOT W attributes