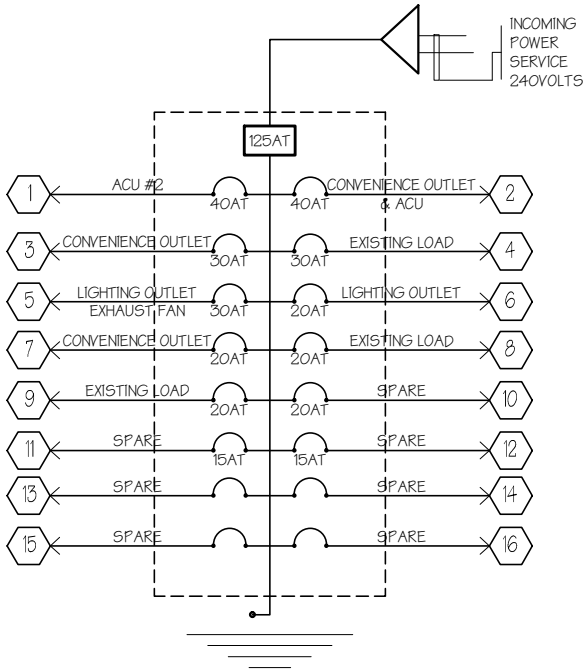
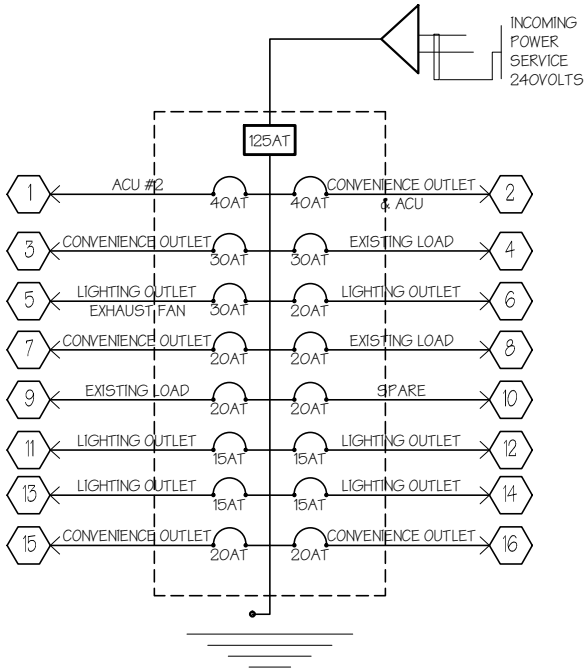


PBBB BUILDING (Second Floor)												
PANELBOARD 1 (Researchers Room 3, Existing)												
CKT NO.	LOAD DESCRIPTION	NO. OF OUTLETS	Voltage	Volt Ampere	AMP. CKT.	Phase Current			CURRENT		SIZE OF WIRE	
						AB	BC	CA	AT	AF	mm ²	Type
1	ACU #2	1	230	2760	12.00	12.00			40	50	3-5.5	THHN
2	Convenience Outlet	4	230	720	3.13	15.13			40	50	3-5.5	THHN
	ACU (middle office)	1	230	2760	12.00							
3	Convenience Outlet	12	230	2160	9.39		9.39		30	50	2-5.5	THHN
4	Existing load		230		0.00		0.00		30	50	2-5.5	THHN
5	Lighting Outlet (CR)	3	230	300	1.30			15.10	30	50	2-5.5	THHN
	Exhaust Fan	2	230	3174	13.80							
6	Lighting Outlet	14	230	1400	6.09			6.09	20	50	2-5.5	THHN
7	Convenience Outlet (Kitchen)	2	230	360	1.57	1.57			20	50	2-5.5	THHN
8	ACU #1	1	230	2760	12.00	12.00			20	50	2-5.5	THHN
9	Existing load		230		0.00		0.00		20	50	2-2.0	THHN
10	Existing load		230		0.00		0.00		20	50	2-2.0	THHN
11	Spare		230		0.00			0.00	15	50		
12	Spare		230		0.00			0.00	15	50		
13	Spare		230		0.00	0.00						
14	Spare		230		0.00	0.00						
15	Spare		230		0.00		0.00					
16	Spare		230		0.00		0.00					
For Feeder Conductor = 3 - 30mm ² THHN cu.wire in 50mm PVC Pipe												
For Feeder Protection = Use 125AT,200AF, 3Phase 230V, 60Hz, MCCB Bolt on Type												



PANELBOARD 1 (EXISTING)

PBBB BUILDING (Second Floor)												
PANELBOARD 1 (Researchers Room 3, Proposed)												
CKT NO.	LOAD DESCRIPTION	NO. OF OUTLETS	Voltage	Volt Ampere	AMP. CKT.	Phase Current			CURRENT		SIZE OF WIRE	
						AB	BC	CA	AT	AF	mm ²	Type
1	ACU #2	1	230	2760	12.00	12.00			40	50	3-5.5	THHN
2	Convenience Outlet	4	230	720	3.13	15.13			40	50	3-5.5	THHN
	ACU (middle office)	1	230	2760	12.00							
3	Convenience Outlet	12	230	2160	9.39		9.39		30	50	2-5.5	THHN
4	Existing load		230		0.00		0.00		30	50	2-5.5	THHN
5	Lighting Outlet (CR)	3	230	300	1.30			15.10	30	50	2-5.5	THHN
	Exhaust Fan	2	230	3174	13.80							
6	Lighting Outlet	14	230	1400	6.09			6.09	20	50	2-5.5	THHN
7	Convenience Outlet (Kitchen)	2	230	360	1.57	1.57			20	50	2-5.5	THHN
8	ACU #1	1	230	2760	12.00	12.00			20	50	2-5.5	THHN
9	Existing load		230		0.00		0.00		20	50	2-2.0	THHN
10	Existing load		230		0.00		0.00		20	50	2-2.0	THHN
11	Lighting Outlet	9	230	900	3.91			3.91	15	50	2-2.0	THHN
12	Lighting Outlet	14	230	1400	6.09			6.09	15	50	2-2.0	THHN
13	Lighting Outlet	16	230	1600	6.96	6.96			15	50	2-2.0	THHN
14	Lighting Outlet	16	230	1600	6.96	6.96			15	50	2-2.0	THHN
15	Convenience Outlet	6	230	2160	9.39		9.39		20	50	3-3.5	THHN
16	Convenience Outlet	5	230	1800	7.83		7.83		20	50	3-3.5	THHN
For Feeder Conductor = 3 - 30mm ² THHN cu.wire in 50mm PVC Pipe												
For Feeder Protection = Use 125AT,200AF, 3Phase 230V, 60Hz, MCCB Bolt on Type												



PANELBOARD 1 (PROPOSED)