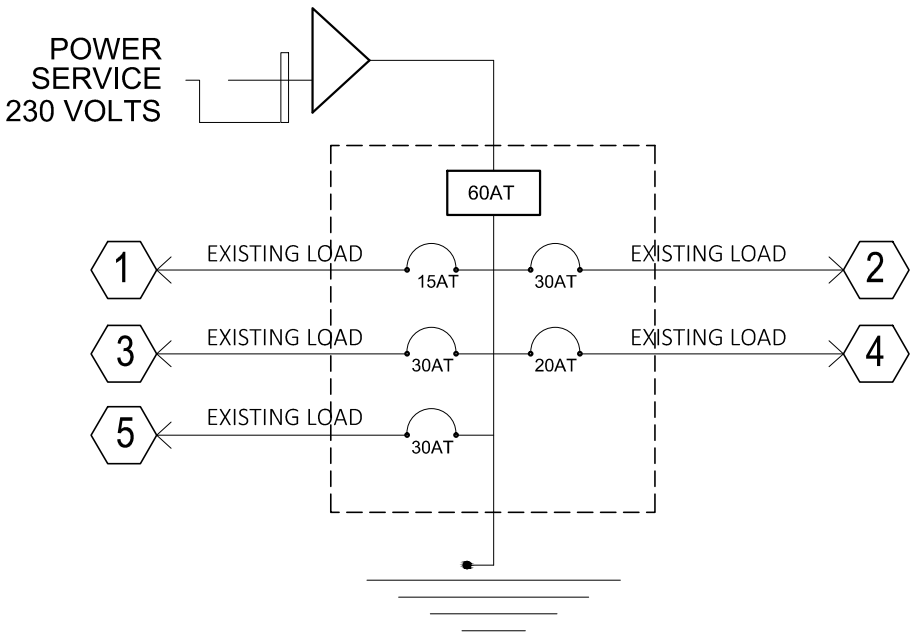
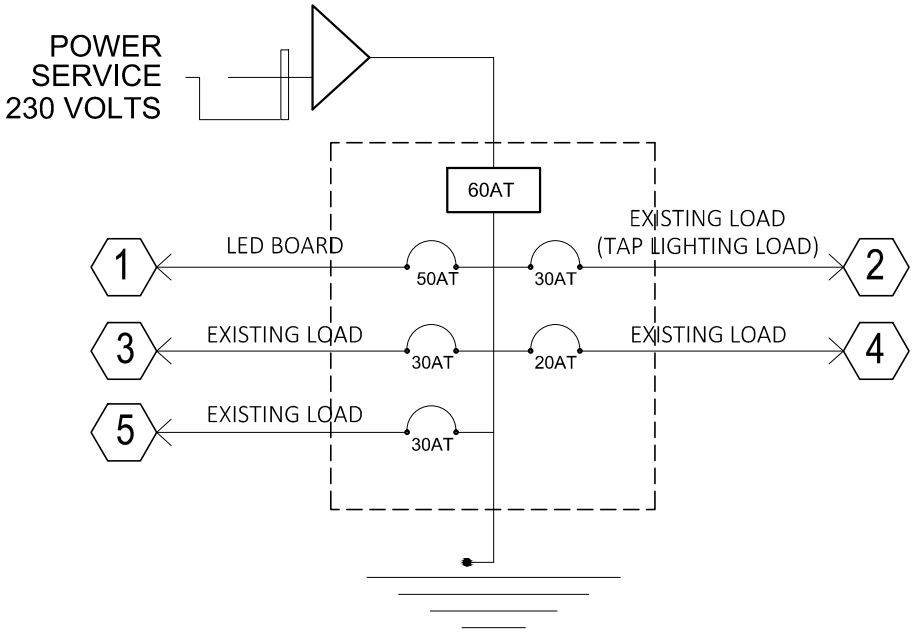


PANELBOARD (Existing)											
LOAD COMPUTATION											
CKT.NO	LOAD DESCRIPTION	NO. OF OUTLETS	VOLTAGE	TOTAL VA	AMP/CKT.	CKT. PROTECTION		SIZE OF WIRE		SIZE OF CONDUIT	
						AT	AF	mm²	TYPE	mm²	TYPE
1	Existing load		230		5.00	15	50				
2	Existing load		230		10.00	30	50	2-3.5	THHN	20	PVC
3	Existing load		230		10.00	30	50	2-3.5	THHN	20	PVC
4	Existing load		230		10.00	20	50	2-3.5	THHN	20	PVC
5	Existing load		230		10.00	30	50	2-3.5	THHN	20	PVC
					45.00						



EXISTING PANEL BOARD DIAGRAM

PANELBOARD (proposed)												
LOAD COMPUTATION												
CKT.NO	LOAD DESCRIPTION	NO. OF OUTLETS	VOLTAGE	TOTAL VA	AMP/CKT.	CKT. PROTECTION		SIZE OF WIRE		SIZE OF CONDUIT		
						AT	AF	mm²	TYPE	mm²	TYPE	
1	LED Board		230		40.00	50	50	3-8.0	THHN	25	PVC	
2	Existing load (tap Lighting Load)		230		10.00	30	50	2-3.5 & 2-3.5	THHN	2 (20)	PVC	
3	Existing load		230		10.00	30	50	2-3.5	THHN	20	PVC	
4	Existing load		230		10.00	20	50	2-3.5	THHN	20	PVC	
5	Existing load		230		10.00	30	50	2-3.5	THHN	20	PVC	
					80.00							
			Line Current	=	80.00 A							
			For Feeder Conductor	=	1.25 x 80.00	=	100.00 A					
			Use 2 - 14.0mm² THHN cu.wire in a 32mmØPVC									
			For Feeder Protection									
			Use 100AT,100AF, 3Phase 230V, 60Hz, MCCB bolt on type									



PROPOSED PANEL BOARD DIAGRAM

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LOAD COMPUTATION
SCALE NTS