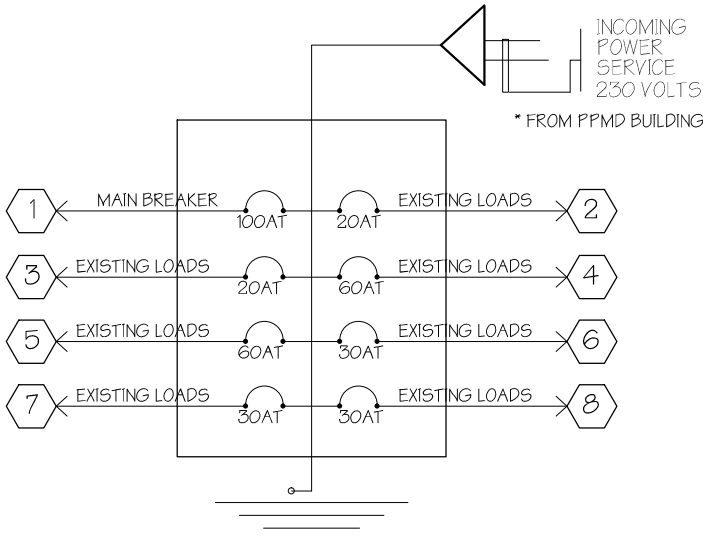
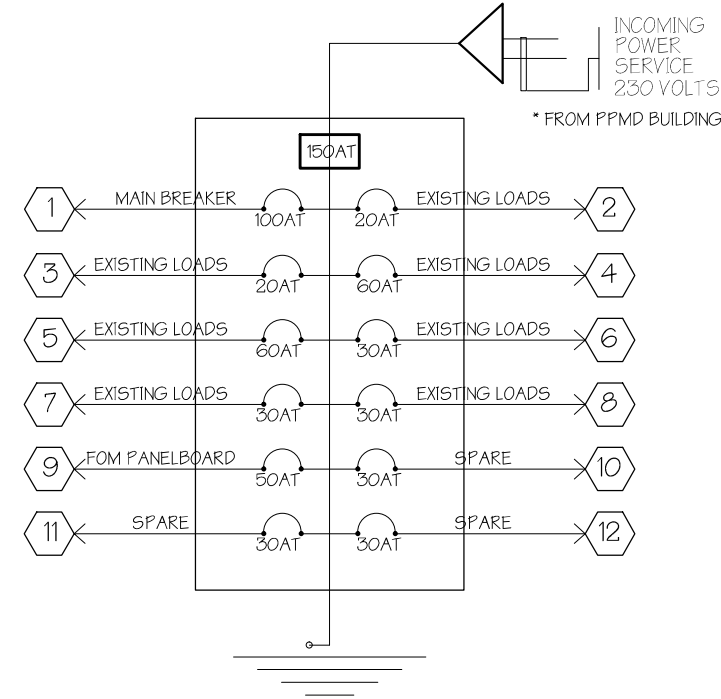


MAIN DISTRIBUTION PANEL (Existing)											
CKT.NO	LOAD DESCRIPTION	NO. OF OUTLETS	VOLTAGE	TOTAL VA	AMP/CKT.	CKT. PROTECTION		SIZE OF WIRE		SIZE OF CONDUIT	
						AT	AF	mm ²	TYPE	mm ²	TYPE
1	Main Breaker		230			100	100		THHN	20	Flexible Hose
2	Existing Loads		230		5.00	20	50	2-3.5	THHN	20	Flexible Hose
3	Existing Loads		230		5.00	30	50	2-3.5	THHN	20	Flexible Hose
4	Existing Loads		230		5.00	30	50	2-3.5	THHN	20	Flexible Hose
5	Existing Loads		230		5.00	30	50	2-3.5	THHN	20	Flexible Hose
6	Existing Loads		230		5.00	30	50	2-3.5	THHN	20	Flexible Hose
7	Existing Loads		230		5.00	30	50	2-3.5	THHN	20	Flexible Hose
8	Existing Loads		230		5.00	30	50	2-3.5	THHN	20	Flexible Hose
					35.00	A					
					Line Current	=	35.00	A			
					For Feeder Conductor	=	1.25 x	35.00	=	43.75	A
					Use 2-8.0mm ² THHN cu.wire in a 32mmØPVC						
					For Feeder Protection						
					Use 100AT, 100AF, Single Phase 230V, 60Hz, MCCB						



PPD MAIN DISTRIBUTION PANEL (EXISTING)

MAIN DISTRIBUTION PANEL (Proposed)											
CKT.NO	LOAD DESCRIPTION	NO. OF OUTLETS	VOLTAGE	TOTAL VA	AMP/CKT.	CKT. PROTECTION		SIZE OF WIRE		SIZE OF CONDUIT	
						AT	AF	mm ²	TYPE	mm ²	TYPE
1	Main Breaker		230		0.00	100	100	2-14.0	THHN	20	Flexible Hose
2	Existing Loads		230		5.00	20	50	2-3.5	THHN	20	Flexible Hose
3	Existing Loads		230		5.00	30	50	2-3.5	THHN	20	Flexible Hose
4	Existing Loads		230		5.00	30	50	2-3.5	THHN	20	Flexible Hose
5	Existing Loads		230		5.00	30	50	2-3.5	THHN	20	Flexible Hose
6	Existing Loads		230		5.00	30	50	2-3.5	THHN	20	Flexible Hose
7	Existing Loads		230		5.00	30	50	2-3.5	THHN	20	Flexible Hose
8	Existing Loads		230		5.00	30	50	2-3.5	THHN	20	Flexible Hose
9	FOM Panel board		230		45.74	50	100	2-8.0	THHN	32	Flexible Hose
10	Spare		230		0.00	30	100				
11	Spare		230		0.00	30	100				
12	Spare		230		0.00	30	100				
					80.74	A					
					Line Current	=	80.74	A			
					For Feeder Conductor	=	1.25 x	80.74	=	100.92	A
					Use 2-22mm ² THHN cu.wire in a 32mmØPVC						
					For Feeder Protection						
					Use 100AT, 100AF, Single Phase 230V, 60Hz, MCCB						



PPD MAIN DISTRIBUTION PANEL (PROPOSED)