



RISER DIAGRAM

LEGEND

	SERVICE ENTRANCE LINE
	KILOWATTHOUR METER BASE
	MAIN PANEL CIRCUIT BREAKER
	LIGHTING OUTLET
	CONVENIENCE OUTLET (CO)
	ACU CONVENIENCE OUTLET
	S _a SINGLE POLE SWITCH
	S _{ab} TWO POLE SWITCH

LOAD SCHEDULE

CKT NO	DESCRIPTION	QTY	LOAD		BREAKER		CONDUCTOR &
			WATTS	AMP	SIZE	POLE	CONDUIT SIZE
1	LIGHTING	10	1000	4.35	20 AT	2	2 - 2.0 mm ² THW in 20mm dia. uPVC
2	C O	5	4600	20	30 AT	2	2 - 3.5 mm ² THW in 20mm dia. uPVC
COMPUTATIONS :							
TOTAL CURRENT (I) = 8.7 Amp + 25% (3.3 Amp) = 9.53 Amp							
USE : 2 - 5.5 mm ² THW in 25 mm dia RSC , Main Circuit Breaker : 60 AT , 2P, 230 V							

