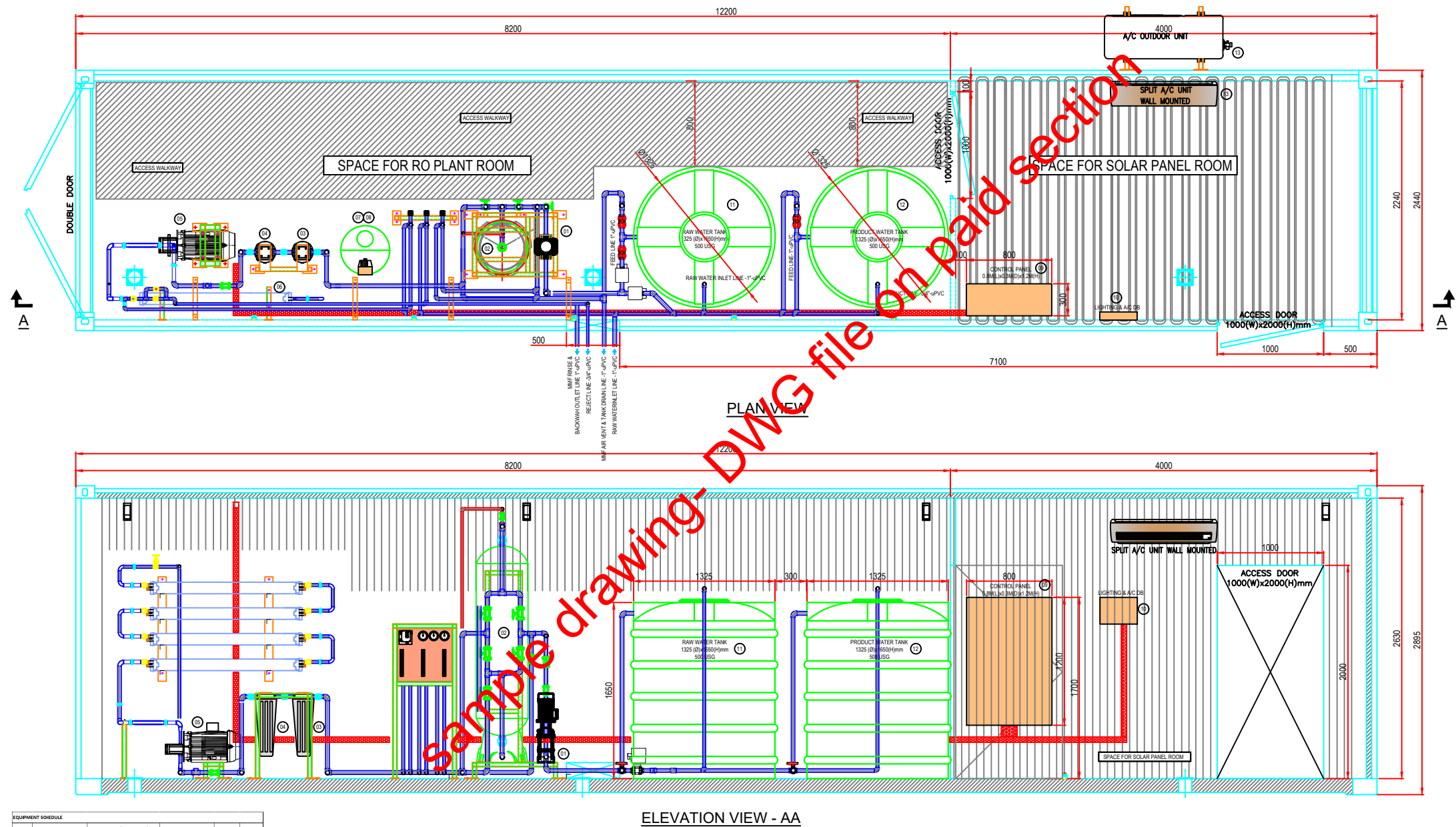
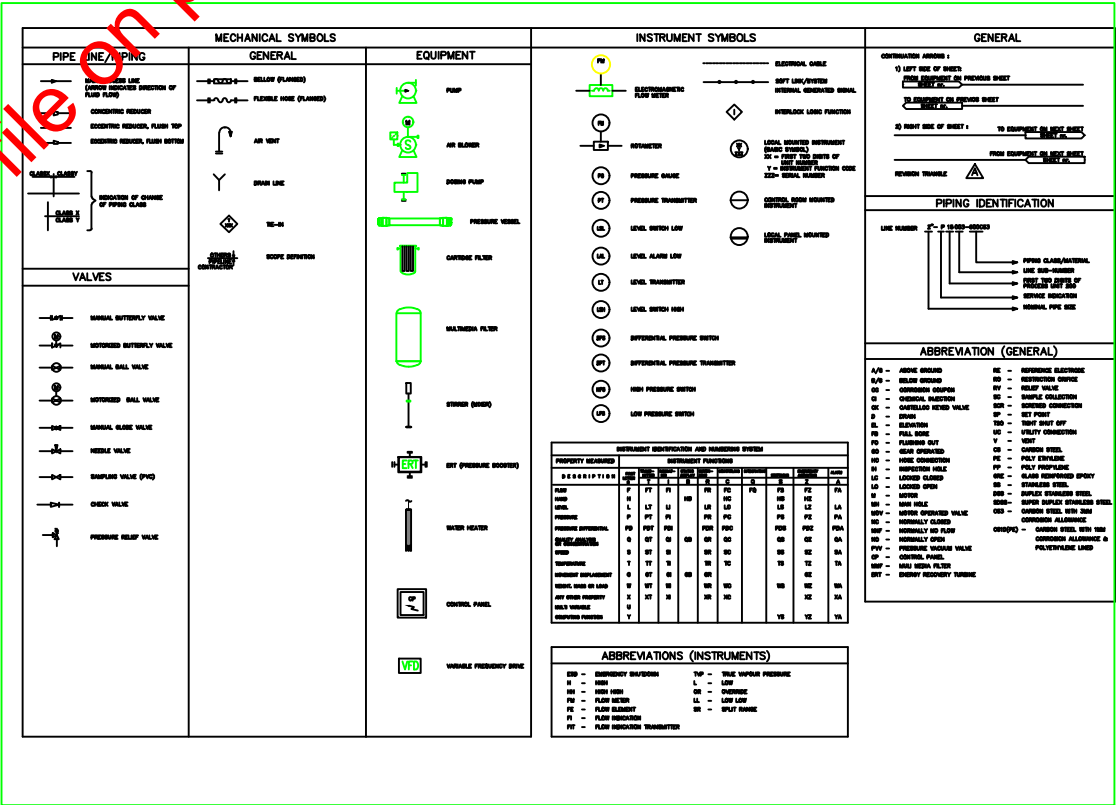
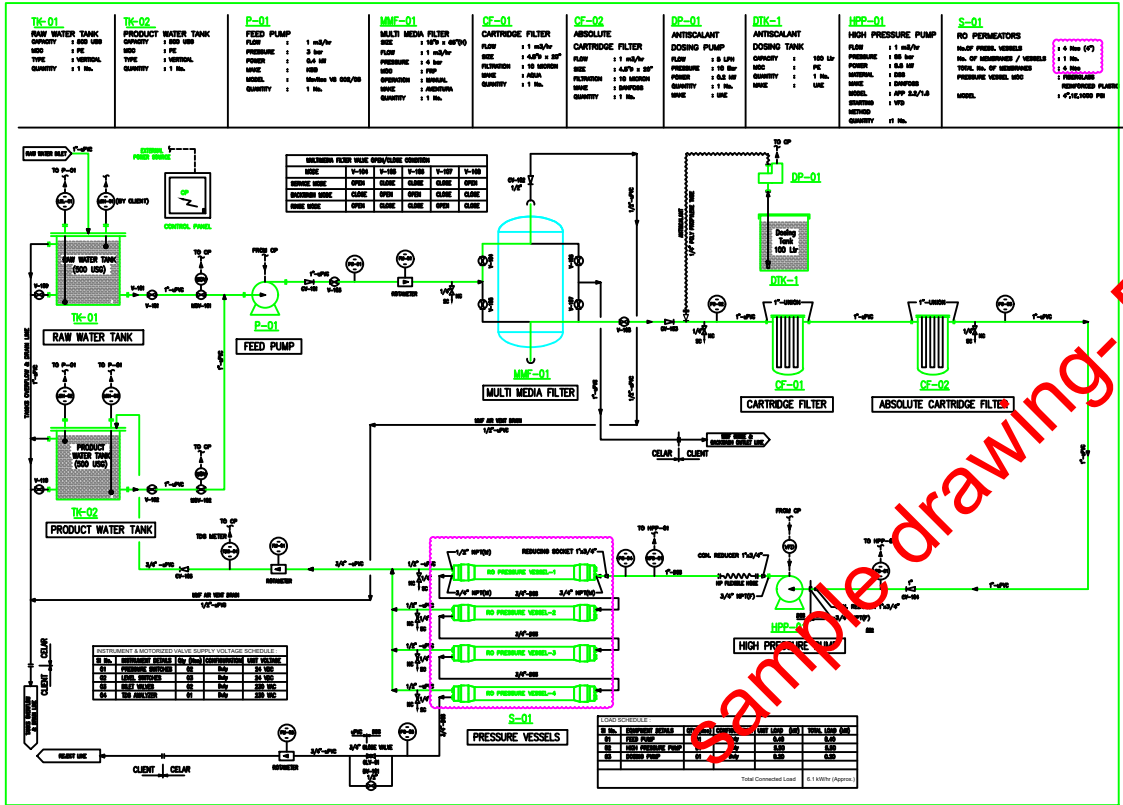


5CMD CONTAINERIZED SWRO PLANT- LAYOUT

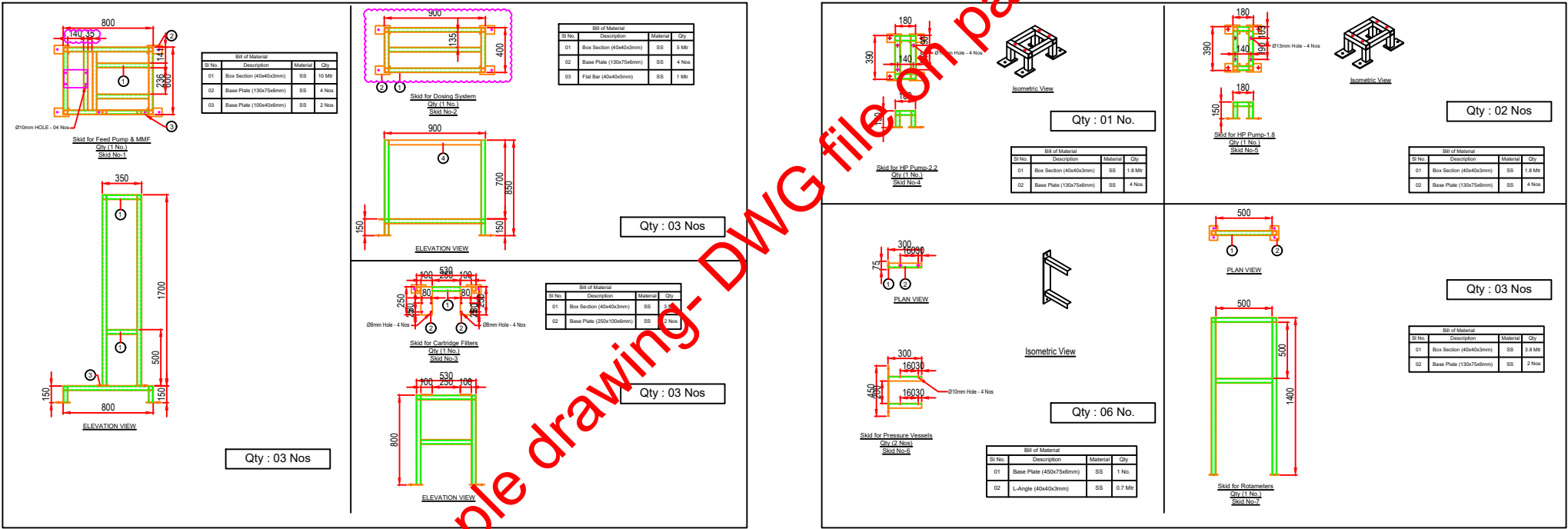


EQUIPMENT SCHEDULE					
Sr. No.	Equipment Details	Specification / Model No. / Size	Make	Quantity	Unit
1	Feed Water Pump	Model: F-050/100	ITB	1	No.
2	Multi-media Filter	30" Dia x 48" Ht	Avantara	1	No.
3	Cartridge Filter	10 micron, 4" x 20"	Aqua	1	No.
4	Absolute Cartridge Filter	5 micron, 4" x 20"	Deflex	1	No.
5	Pressure Vessel	4" x 12' 6" x 12' 6"	Pentair	4	No.
6	Dosing Pump	Yelma EVO-MS 603	Seko	1	No.
7	Dosing Tank	300 Ltrs	Taiwan	1	No.
8	Control Panel	800(L)x300(D)x1200(H)mm	UAE	1	No.
9	Lighting & A/C DB		UAE	1	No.
10	Raw Water Tank	500 USG, PE, VERTICAL	UAE	1	No.
11	Product Water Tank	500 USG, PE, VERTICAL	UAE	1	No.
12	A/C Unit	2 Ton	UAE	1	No.

5CMD CONTAINERIZED SWRO PLANT - PID



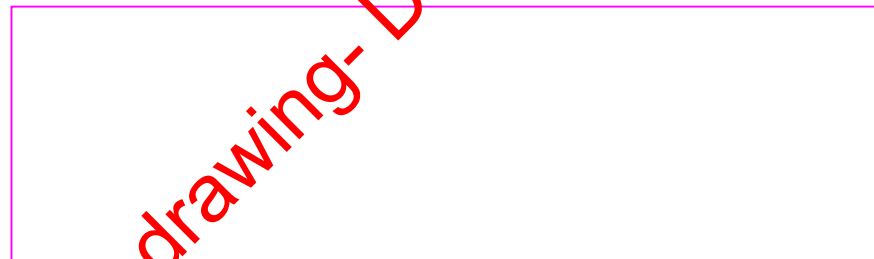
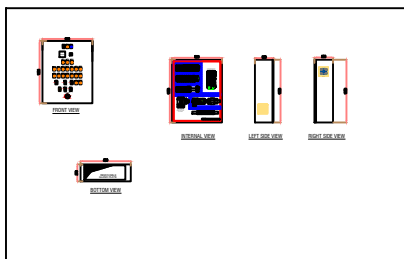
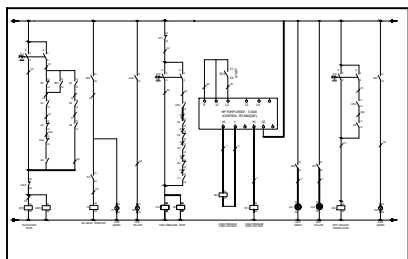
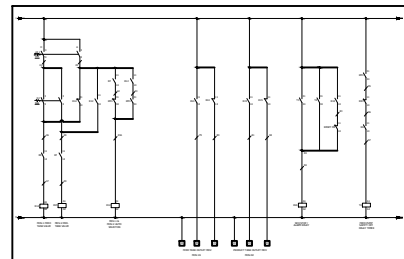
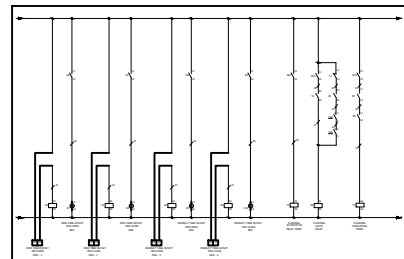
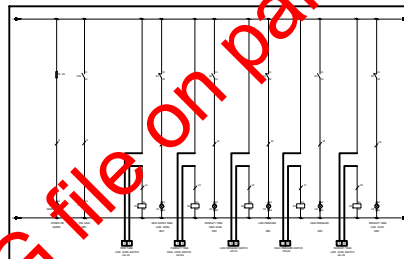
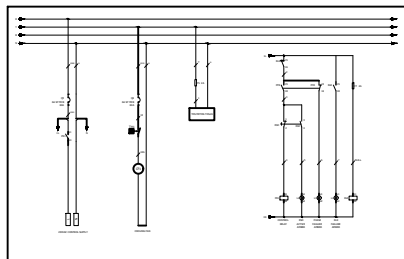
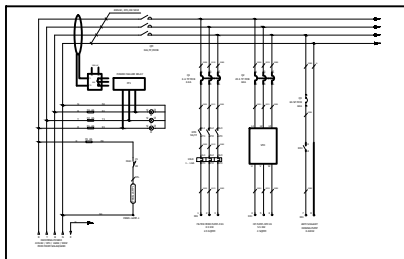
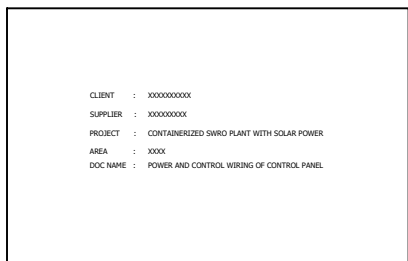
5CMD CONTAINERIZED SWRO PLANT - FABRICATION



5CMD CONTAINERIZED SWRO - BOQ

MAJOR EQUIPMENT & INSTRUMNETS - BOQ - 1 PLANTS									
PROJECT :		Type	SWRO - Containerized Plant				Job No	3170	
CAPACITY : 1500 GPD		Recovery	25%				Location	UAE	
S.N	Item	SUPPLIER	DETAILS	Model	Description	Material	Electrical	Configration	Quantity
PRIMARY EQUIPMNMETS									
1	Feed Water Pump	KSB	1 CMH @ 3 Bar	Movitec	Centrifugal Pump	SS 316	0.37 Kw	1 D	1 No
2	High Pressure Pump	Danfoss	1 CMH @ 60 Bar	APP-1.8 (2) & APP 2.2 (1)	Piston Pump	DSS	4 Kw	1 D	1 No
3	Antiscalant Dosing Pump	Aqua	5 LPH @ 7 Bar		Metering Pump	PVDF	0.22 Kw	1 D	1 No
SECONDARY EQUIPMNMETS									
1	Multi Media Vessel	Aventura	18" x 65"			FRP		1 D	1 No
2	Cartridge Filtration	Pentair			4.5" x20" -1E	PVC	10 Micron	1 D	1 No
	Cartridge Filtration (Absolute)	Gopani (Danfoss Supply)			4.5" x20" -1E	PVC	10 Micron	1 D	1 No
5	RO Pressure Vessels	DOX	1E		4" - 1000 PSI			2 D	2 No
6	Membranes	Hydramautics	SWRO		SWCS-LD 4040			2 D	2 No
TANKS									
1	Dosing Tank	Local	100 Lit			PE		2 D	2 No
2	Storage Tank (Feed & Product)	Local	500 Gallons		Circular Tank	PE		2 D	2 No
CONTROL PANEL									
1	Control panel			Relay Logic	Schneider / Equal				1 Lot
MEDIA DETAILS (For 1 Vessel)									
1	Media	Sand Media			3-6 MM			0.5 Bags	1 Lot
2	Media	Sand Media			1-2 MM			0.6 Bags	
3	Media	Sand Media			0.8-1.2 MM			1 Bags	
4	Media	Sand Media			0.6-0.8 MM			2 Bags	
5	Media	Anthracite			0.3 - 0.6 MM			2 Bags	
INSTRUMNETS DETAILS									
1	Pressure Switch Low	Itweg	0-10 Bar					1 D	1 No
2	Pressure Switch High	Danfoss	0-100 Bar					1 D	1 No
3	Low Pressure guages	Wika	0-10 Bar		Panel Mounted	63mm / SS316		3 D	3 No's
4	High Pressure guages	Wika	10-100 Bar		Bottom Mounted	63mm / SS316		1 D	1 No's
5	Flow Meter - Product	Scichemtech	1 - 10 GPM	Flow - 4.4 GPM	Rota Type			1 D	1 No
6	Flow Meter - Product	Scichemtech	0.5 - 5 GPM	Flow - 1.1 GPM	Rota Type			1 D	1 No
7	Flow Meter - Reject	Scichemtech	0.5 - 5 GPM	Flow - 3.3 GPM	Rota Type			1 D	1 No
8	UPS Meter	Createc						1 D	1 No
9	Float Switch for Tank	Itec			Product/Reject Tanks			2 D	2 No's
10	Motorized Ball Valve - 1" UPVC		230 VAC	1" (25NB)				2 D	2 No's
OTHERS DETAILS									
1	Container	40 Feet						1 set	1 set
2	Skid	CELAR				SS		1 Lot	1 Lot
3	High Pressure Piping	Steel Alids				DSS		1 Lot	1 Lot
4	Low Pressure Piping	Hepworth / Cepex				UPVC Class E		1 Lot	1 Lot
5	Electrical	Oman Cables						1 Lot	1 Lot
6	SS Valves & Fittings								
7	UPVC Valves& Fittings								
8	Air Conditioner	Samsung	1.5 Ton	Split Type				1 No	1 Lot
9	Solar Plant	New Step Solar Systems						1 Lot	1 Lot

5CMD CONTAINERIZED SWRO PLANT ELECTRICAL DRAWING



sample drawing- DWG file on paid section