



REPUBLIC OF THE PHILIPPINES
Department of Science and Technology
Philippine Science High School Soccsksargen Region Campus
Barangay Paraiso, Koronadal City
South Cotabato

Project: **CONSTRUCTION OF DORMITORY BUILDING IV**
 Subject: BILL OF QUANTITIES
 Date: 10/4/2018
 ABC **P 38,500,000.00**
 GFA 2243 sq.m.

ITEM	SCOPE OF WORK		QTY	UNIT	UNIT COST	TOTAL COST
1.0	GENERAL REQUIREMENTS					
	1.1	Mobilization/Demobilization	1	lot		
	1.2	Bonds, Insurances & Permits	1	lot		
	1.3	As built plans	1	lot		
	1.4	Temporary Utilities (Electricities & Water)	1	lot		
	1.5	Temporary Facilities				
	1.5.1	Temporary Warehouse	1	lot		
	1.5.2	Field Office/Conference Room	1	lot		
	1.5.3	Temporary Fence/Site Enclosure	1	lot		
	1.6	Surveying & Layouts	1	lot		
	1.7	Testing of Materials				
	1.7.1	Compression Testing (Cylinder, CHB, Mortar)	1	lot		
	1.7.2	Cement (Physical & Chemical Properties)	1	lot		
	1.7.3	Complete Test for Aggregates (Grading, Soundness, Abrasion, Specific Gravity, Unit Weight, Absorption)	1	lot		
	1.7.4	Tensile Properties of Rebars & Steeldecking	1	lot		
	1.7.5	Design/Trial Mix	1	lot		
	1.7.6	Curing Tank & Curing Materials	1	lot		
	1.8	Construction Safety/PPEs	1	lot		
	SUB-TOTAL 1.0					
2.0	EARTHWORKS AND EXCAVATION					
	2.1	Earthfill				
	2.1.1	earthfill all remaining areas	200	Cu.M.		
	2.2	Excavation (footing pit and cisterns)	1	lot		
	SUB-TOTAL 2.0					
3.0	FORMWORKS AND SCAFFOLDINGS					
	3.1	Formlumber				
	3.1.1	Ordinary Plywood 1/4"x4'x8' thick	650.00	pcs		
	3.1.2	form coco lumber	5,000.00	bd ft		
	3.1.3	assorted common wire nails	500.00	kgs		
	3.1.4	steel scaffoldings	1.00	lot		
	SUB-TOTAL 3.0					
4.0	STRUCTURAL WORKS					
	4.1	Reinforced Concrete Footing				
	4.1.1	Type 1 Portland Cement	1,935.00	bags		
	4.1.2	Washed and screened Sand	107.50	Cu.M.		
	4.1.3	Gravel	215.00	Cu.M.		
	4.1.4	25mm def bars grade 40	2,310.00	kgs		
	4.1.5	20mm def bars grade 40	12,212.00	kgs		
	4.1.6	16mm def bars grade 40	4,683.20	kgs		
	4.1.7	Ga 16 tie wire	237.00	kgs		
	4.2	Reinforced Concrete Tie Beam, beams and girders				
	4.2.1	Type 1 Portland Cement	3,096.00	bags		

	4.2.2	Washed and screened Sand	172.00	Cu.M.		
	4.2.3	Gravel	344.00	Cu.M.		
	4.2.4	20mm def bars grade 40	34,619.52	kgs		
	4.2.5	16mm def bars grade 40	5,081.30	kgs		
	4.2.6	10mm def bars grade 40	6,638.37	kgs		
	4.2.7	Ga 16 tie wire	646.00	kgs		
	4.3	Reinforced Concrete Wall Footing				
	4.3.1	Type 1 Portland Cement	99.00	bags		
	4.3.2	Washed and screened Sand	5.50	Cu.M.		
	4.3.3	Gravel	11.00	Cu.M.		
	4.3.4	12mm def bars grade 40	705.00	kgs		
	4.3.5	Ga 16 tie wire	18.00	kgs		
	4.4	Reinforced Concrete slab-on-fill/ suspended slab				
	4.4.1	Type 1 Portland Cement	2,700.00	bags		
	4.4.2	Washed and screened Sand	150.00	Cu.M.		
	4.4.3	Gravel	300.00	Cu.M.		
	4.4.4	12mm def bars grade 40	27,565.10	kgs		
	4.4.5	10mm def bars grade 40	1,393.56	kgs		
	4.4.6	Ga 16 tie wire	550.00	kgs		
	4.5	Reinforced Concrete Columns				
	4.5.1	Type 1 Portland Cement	900.00	bags		
	4.5.2	Washed and screened Sand	50.00	Cu.M.		
	4.5.3	Gravel	100.00	Cu.M.		
	4.5.4	25mm def bars grade 40	19,404.00	kgs		
	4.5.5	20mm def bars grade 40	12,152.40	kgs		
	4.5.6	16mm def bars grade 40	758.50	kgs		
	4.5.7	12mm def bars grade 40	2,643.30	kgs		
	4.5.8	10mm def bars grade 40	4,808.73	kgs		
	4.5.9	Ga 16 tie wire	686.00	kgs		
	4.6	Reinforced Concrete Stairs				
	4.6.1	Type 1 Portland Cement	108.00	bags		
	4.6.2	Washed and screened Sand	6.00	Cu.M.		
	4.6.3	Gravel	12.00	Cu.M.		
	4.6.4	16mm def bars grade 40	1,488.40	kgs		
	4.6.5	Ga 16 tie wire	30.00	kgs		
	4.7	Reinforced Concrete gutters				
	4.7.1	Type 1 Portland Cement	64.80	bags		
	4.7.2	Washed and screened Sand	3.60	Cu.M.		
	4.7.3	Gravel	7.20	Cu.M.		
	4.7.4	12mm def bars grade 40	475.30	kgs		
	4.7.5	Ga 16 tie wire	8.00	kgs		
	4.8	Reinforced Concrete laundry sink counter				
	4.8.1	Type 1 Portland Cement	3.00	bags		
	4.8.2	Washed and screened Sand	0.15	Cu.M.		
	4.8.3	Gravel	0.30	Cu.M.		
	4.8.4	10mm def bars grade 40	20.00	kgs		
	4.8.5	Ga 16 tie wire	1.00	kgs		
	4.9	Fire Sprinkler Cistern				
	4.9.1	Type 1 Portland Cement	20.00	bags		
	4.9.2	Washed and screened Sand	1.05	Cu.M.		
	4.9.3	Gravel	2.10	Cu.M.		
	4.9.4	12mm def bars grade 40	53.00	kgs		
	4.9.5	Ga 16 tie wire	1.50	kgs		
	4.10	water storage cistern				
	4.10.1	Type 1 Portland Cement	15.00	bags		
	4.10.2	Washed and screened Sand	0.80	Cu.M.		
	4.10.3	Gravel	1.80	Cu.M.		
	4.10.4	12mm def bars grade 40	45.00	kgs		
	4.10.5	Ga 16 tie wire	1.00	kgs		

	4.11	Reinforced Concrete slab-on-fill/ suspended slab			
	4.11.1	Type 1 Portland Cement	52.00	bags	
	4.11.2	Washed and screened Sand	2.88	Cu.M.	
	4.11.3	Gravel	5.76	Cu.M.	
	4.11.4	12mm def bars grade 40	382.00	kgs	
	4.11.5	Ga 16 tie wire	6.50	kgs	
		SUB-TOTAL 4.0			
5.0		STEEL WORKS			
	5.1	STEEL TRUSSES (Trusses, Rafters, Girt)			
	5.1.1	6mmx2"x2"x6.0m angular bar (TC/BC/KP)	147	lght	
	5.1.2	6mmx1-1/2"x1-1/2"x6.0m angular bar WM	3	lght	
	5.1.3	1.50mm thk 2"x6" Cee Purlins	175	lght	
	5.1.4	12mm dia x6.0m plain round bar sagrod	42	lght	
	5.1.5	16mm dia x6.0m plain round bar	16	lght	
	5.1.6	12mm dia. Turnbuckle with safety pin	48	pcs	
	5.1.7	16mmx1.2mx2.4m MS plate truss support baseplate	1	sht	
	5.1.8	welding rods 6011	120	kgs	
	5.2	ROOFING			
	5.2.1	colorbonded ribbed type roofing sheets 0.50mm	996	L.M.	
	5.2.2	colorbonded end flashing 0.50mmx0.75mx2.44m	27	pcs	
	5.2.3	colorbonded ridge roll 0.50mmx0.75mx2.44m	8	pcs	
	5.2.4	Steel Tekscrew	4500	pcs	
	5.2.5	Blind Rivets	1300	pcs	
	5.2.6	silicon sealant	24	tube	
	5.2.7	Touch up Paint	3	liters	
	5.3	STAIR & RAMP HAND RAIL			
	5.3.1	Stainless Pipe (3"x6m, S-20)	16	Length	
	5.3.2	Square Bar 1.5"x1.5"(12mm)	6	Length	
	5.3.3	flat bar 1/4" x 1"x6m	32	Length	
	5.3.4	Welding Rod (Stainless)	20	Kgs	
		SUB-TOTAL 5.0			
6.0		MASONRY WORKS			
	6.1	chb walls (above ground)			
	6.1.1	CHB 6" (350 psi) toilet walls	4,833.00	Pcs	
	6.1.2	CHB 4" interior walls	26,581	Pcs	
	6.1.3	Cement (40 Kgs)	2042	Bags	
	6.1.4	Washed Sand	110	Cu.M.	
	6.1.6	10mm def bars grade 33	1037	Kgs	
	6.1.7	G.I. Wire (G-16)	85	Kgs	
	6.2	PLASTERING (25 mm thick)			
	6.2.1	Cement (40 Kgs)	1303	Bags	
	6.2.2	Washed Sand	38	Cu.M.	
	6.3	chb walls 6" (below ground)			
	6.3.1	CHB 4" (350 psi) 2126.41 sq.mt.	5,138	Pcs	
	6.3.2	Cement (40 Kgs)	330	Bags	
	6.3.3	Washed Sand	18.1	Cu.M.	
	6.3.4	10mm def bars grade 33	170	Kgs	
	6.3.5	G.I. Wire (G-16)	14	Kgs	
	6.4	catch basins			
	6.4.1	CHB 4" (350 psi) 2126.41 sq.mt.	130	Pcs	
	6.4.2	Cement (40 Kgs)	10	Bags	
	6.4.3	Washed Sand	0.6	Cu.M.	
	6.4.4	10mm def bars grade 33	5	Kgs	
	6.4.5	G.I. Wire (G-16)	0.5	Kgs	
	6.5	septic tank			
	6.5.1	CHB 4" (350 psi)	270	Pcs	
	6.5.2	Cement (40 Kgs)	82	Bags	
	6.5.3	Washed Sand	3	Cu.M.	
	6.5.4	gravel	2	Cu.M.	

		6.5.5	DRB 10mm, Grade 40	68	Kgs		
		6.5.6	G.I. Wire (G-16)	3	Kgs		
				SUB-TOTAL 6.0			
7.0	PAINTING WORKS						
	7.1	Painting of Walls					
		7.1.1	interior and exterior chb walls latex finish 3 coats	4,181.00	Sq.M.		
	7.2	Painting of Ceilings (flat latex finish 3 coats)		2,000.40	Sq.M.		
	7.3	Painting of doors and jambs					
		7.3.1	doors and jambs(quick dry enamel)	28.00	sets		
	7.4	Painting of steel trusses and grills					
		7.4.1	Epoxy Primer Gray	15.00	Gal		
		7.4.2	Epoxy reducer	15.00	Gal		
				SUB-TOTAL 7.0			
8.0	TILEWORKS						
	8.1	General Floor (0.60mx0.60m) Matte finish grade AAA Granite Tiles		2,000.00	Sq.M.		
	8.2	Stairs & Landing (30x30) Grade AAA Ceramic Tiles non skid		50.00	Sq.M.		
	8.3	Comfort rooms wall (30x60) Grade AAA polished Granite Tiles		845.00	Sq.M.		
	8.4	Comfort rooms floor (30x60) Matte Grade AAA Granite Tiles		212.50	Sq.M.		
	8.5	Porch (40x40) porcelain tiles		30.00	Sq.M.		
	8.6	Brass nosing 1-1/2"x2.40m		44.00	lght		
				SUB-TOTAL 8.0			
9.0	CARPENTRY						
	9.1	FLAT CEILING (HARDIFLEX)					
		9.1.1	Hardiflex 5mmx4x8	2243	Sq.M.		
		9.1.2	Metal Frames	2243	Sq.M.		
	9.2	SASHWORKS/Steel doors					
		9.2.1	D1uneven twin leaf fush doors with 2"x6" wooden jambs 1.20mx2.10m	1	set		
		9.2.2	D2 solid panel door on 2"x6" wooden jambs .90mx2.10m	12	sets		
		9.2.3	D3 Wooden flushdoor on 2"x6" wooden jambs .80mx2.10m	3	sets		
		9.2.4	D4Wooden flushdoor on 2"x6" wooden jambs 1.00mx2.10m	3	sets		
		9.2.5	D5 steel grille door on steel jambs 1.8mx2.10m	1	set		
		9.2.6	D6 steel grille door on steel jambs 0.70mx2.10m	3	sets		
		9.2.7	D7 Wooden flushdoor with lower wooden louvers and kick plate on 2"x6" wooden jambs .90mx2.10m	1	sets		
		9.2.8	D8 Wooden flushdoor on 2"x6" wooden jambs .60mx2.10m	4	sets		
		9.2.9	PVC toilet doors 0.60x2.10m	5	sets		
	9.3	Closets					
		9.3.1	Closets 0.6mx0.60mx2.10m	204.00	units		
		9.3.2	Closets 1.20mx0.60mx2.10m	7.00	units		
				SUB-TOTAL 9.0			
10.0	PLUMBING WORKS						
	10.1	FRESH WATER LINES					
		10.1.1	PPR Pipes (1-1/4"), PNS 16	25	Lengths		
		10.1.2	PPR Pipes (1"), PNS 16	28	Lengths		
		10.1.3	PPR Pipes (1/2"), PNS 16	20	Lengths		
		10.1.4	PPR Pipe Fittings (Elbows, Tees, Reducers, etc)	1	Lot		
		10.1.5	Consumables (Teflon, Cement Solvent, etc.)	1	Lot		
	10.2	SANITARY & DRAINAGE LINES					
		10.2.1	PVC Pipe 4", Series 1000	350	Lengths		
		10.2.2	PVC Pipe 2", Series 1000	30	Lengths		
		10.2.3	PVC Pipe Fittings (Elbows, Wyes, Tees, Cleanouts, etc)	1	Lot		
		10.2.4	Consumables (Teflon, Cement Solvent, etc.)	1	lot		
	10.3	STORM DRAIN					
		10.3.1	PVC Pipe (4", S-40)	50	Length		
		10.3.2	PVC Pipe Fittings (Elbows, Wyes, Tees, Cleanouts, etc)	1	Lot		

	10.3.3	PVC Pipe 6" S-40	6	length		
10.4	PLUMBING ACCESSORIES					
	10.4.1	Stainless Floor Drain 4"x4"	30	Pcs		
	10.4.2	Tissue Holder	28	Pcs		
	10.4.3	liquid soap dispenser	28	Pcs		
	10.4.4	soap holder	54	Pcs		
	10.4.5	Ball Valves	12	Pcs		
	10.4.6	PWD Grab bars	4	pcs		
	10.4.7	Wall faucet	6	Sets		
10.5	PLUMBING FIXTURES					
	10.5.1	Water Closet with angle valve and flexible hose	28	Sets		
	10.5.2	Counter top Lavatory w/ faucet angle valve and flex hose	54	Sets		
	10.5.3	wall hung Lavatory w/ faucet angle valve and flex hose	5	Sets		
	10.5.4	Urinal with flush valve	9	Sets		
	10.5.5	shower valve and head set	54	Sets		
10.6	OVERHEAD WATER SOURCE					
	10.6.1	water pump 2.5 hP	1	unit		
	10.6.2	Stainless steel water tank horizontal 2555 liters	1	unit		
	10.6.3	PPR Pipes (1-1/2"), PNS 16	5	Length		
	10.6.4	Accessories & Fittings	1	Lot		
			SUB-TOTAL 10.0			
11.0	ELECTRICAL & AUXILIARY WORKS					
	11.1	LIGHTING & POWER LAYOUT				
	11.1.1	PVC Conduit 1/2, S-40	1200	Length		
	11.1.2	PVC elbow 1/2, S-40	1500	pcs		
	11.1.3	PVC Conduit 1, S-40	10	Length		
	11.1.4	PVC elbow1, S-40	10	pcs		
	11.1.5	PVC Conduit 1-1/2, S-40	10	Length		
	11.1.6	PVC elbow1-1/2, S-40	10	pcs		
	11.1.7	PVC Conduit 3, S-40	15	Length		
	11.1.8	PVC elbow3, S-40	4	pcs		
	11.1.9	THHN Copper Wire 250mm	50	mtrs		
	11.1.10	THHN Copper Wire 50mm	30	mtrs		
	11.1.11	THHN Copper Wire 30mm	150	mtrs		
	11.1.12	THHN Copper Wire 8.0mm	1	roll		
	11.1.13	THHN Copper Wire 10/7	6	rolls		
	11.1.14	THHN Copper Wire 12/7	45	rolls		
	11.1.15	THHN Copper Wire 14/7	35	rolls		
	11.1.16	metal Junction Box (4X4,)	800	Pcs		
	11.1.17	metal Utility Box (2x4)	530	Pcs		
	11.1.18	metal Pull box 4x12x12	10	Pcs		
	11.1.19	metal Square BOf with cover	50	Pcs		
	11.1.20	wire gutter 5x12x48	1	Pcs		
	11.1.21	Convenience outlet 2 gang	510	set		
	11.1.22	aircon outlet 1 gang	10	set		
	11.1.23	Emergency Light Outlets	77	set		
	11.1.24	LED exit sign outlets	8	set		
	11.1.25	Switch 1 gang	29	set		
	11.1.26	Switch 2 gang	34	set		
	11.1.27	Switch 3 gang	20	set		
	11.1.28	Switch 2 way 1 gang	12	set		
	11.1.29	tapes , solvent cement	1	lot		
	11.2	LIGHTING FIXTURE				
	11.2.1	T-5 Flourescent FixtureComplete w/ Accessories 1-16watts	22	Sets		
	11.2.2	glass covered Pinlights 4" with 12 watts LED bulb	464	Sets		
	11.2.3	Rechargeable emergency light	77	sets		
	11.3	BREAKERS AND PANELBOXES				

	11.3.1	LP-1 Panel Box 8 branches industrial type 3phase center main bolt-on 60amp mainwith following branches: 8-15amps;	1	set		
	11.3.2	PP-1 Panel Box 30 branches industrial type 3phase center main bolt-on 125amp main with following branches: 20-20amps;10-30amps	1	set		
	11.3.3	LP-2 Panel Box 8 branches industrial type 3phase center main bolt-on 60amp mainwith following branches: 8-15amps;	1	set		
	11.3.4	PP-2 Panel Box 30 branches industrial type 3phase center main bolt-on 125amp main with following branches: 16-20amps;4-30amps	1	set		
	11.3.5	LP-3 Panel Box 8 branches industrial type 3phase center main bolt-on 60amp mainwith following branches: 8-15amps;	1	set		
	11.3.6	PP-3 Panel Box 30 branches industrial type 3phase center main bolt-on 125amp main with following branches: 16-20amps;4-30amps	1	set		
	11.3.7	MDP Panel Box industrial type 3phase center main bolt-on; 250 main;	1	set		
	11.3.8	on-off switch	10	pcs		
	11.3.9	service wiring	1	lot		
	11.3.10	Entrance Cap	1	pc		
	11.3.11	Male adaptor	1	pc		
	11.3.12	HD secondary rack	1	set		
	11.3.13	U-bolt connector	3	pcs		
	11.3.14	rubber tape	3	rolls		
	11.3.15	Conduits and Fittings	1	lot		
	11.4	Lightning Arrestor				
	11.4.1	Lightning arrestor	1	set		
			SUB-TOTAL 11.0			
12.0	ELECTRONICS AND COMMUNICATION					
	12.1	Fire Detection and Alarm System (FDAS)				
	12.1.1	Fire Alarm control panel 4 zones	1	set		
	12.1.2	FDAS Wired smoke detector	19	unit		
	12.1.3	fire alarm siren with stobe LED light	4	unit		
	12.1.4	manual station break glass	5	unit		
	12.1.5	Cables Tray, wires, Pipings, etc	1	lot		
	12.2	Audio and Video				
	12.2.4	cables/wires/speaker wires/ pipings etc	1	lot		
	12.3	CCTV				
	12.3.6	cables/wires/siamese etc	1	lot		
	12.4	Local area network (LAN)				
	12.4.5	Cables/Wires (Cat 5E/6)	1	lot		
	12.5	Telephone				
	12.5.4	cables/wires/telephone wires/Cat 5e/6/ pipings etc	1	lot		
	12.6	Grounding System				
	12.6.1	Ground Bus Bar (1/4"x1"x12")	1	pc		
	12.6.2	Bronze Ground Rod 3 meters	2	pc		
	12.6.3	AWG no. 4	12	mtrs		
	12.7	Auxiliary Equipment				
	12.7.3	Exit Signs	8	units		
			SUB-TOTAL 12.0			
13.0	GLASSWORKS					
	13.1	w1 sliding window with awning on powder coated aluminum tubular frames with reflective Glass 0.95mx1.9m with screen	7	sets		
	13.2	w2 sliding window with awning on powder coated aluminum tubular frames with reflective Glass 1.75 mx1.9m with screen	8	sets		

	13.3	w3 sliding window with awning on powder coated aluminum tubular frames with reflective Glass 2.60mx1.9m with screen	5	sets		
	13.4	w4 sliding window with awning on powder coated aluminum tubular frames with reflective Glass 3.45mx1.9m with screen	17	sets		
	13.5	w5 awning window reflective glass with 1-3/4x4 tubular on pc-white aluminum white 1.75mx0.5m with screen	5	sets		
	13.6	w6 awning window reflective glass with 1-3/4x4 tubular on pc-white aluminum white 1.55mx0.5m with screen	10	sets		
	13.7	w7 awning window reflective glass with 1-3/4x4 tubular on pc-white aluminum white 0.90mx0.5m with screen	5	sets		
	13.8	w8 awning window reflective glass with 1-3/4x4 tubular on pc-white aluminum white 0.60mx0.5m with screen	3	sets		
	13.9	hw-1 Jalouplast window) 4 columns) 3.45mx0.40m with screen	5	pcs		
	13.10	hw-2 Jalouplast window (2 columns) 1.75mx0.40m with screen	12	sets		
	13.11	hw3 awning window reflective glass with 1-3/4x4 tubular on pc-white aluminum white 3,450mx0.5m with screen	1	set		
	13.12	aluminum louvers 3.325mx.40m	6	sets		
	13.13	Mirror with plyboard backing (floating) 0.60mx0.80m	4	sets		
	13.14	Mirror with plyboard backing (floating) 0.60mx3.00m	3	sets		
	13.15	Mirror with plyboard backing (floating) 0.60mx2.40m	1	sets		
	13.16	Mirror with plyboard backing (floating) 0.60mx6.00m	3	sets		
	13.17	DW-1 Twinleaf swing door with fixed side glass panels on PC white aluminum frame 4.545mx2.40m	1	sets		
	13.18	DW-2 Single leaf swing door with fixed side glass panels on PC white aluminum frame 4.545mx2.10m	2	sets		
	13.19	dw-3/4 Jalouplast window (2 columns) 1.50mx0.40m with screen	42	sets		
SUB-TOTAL 13.0						
14.0	CEMENTITIOUS WATERPROOFING					
	14.1	Waterproofing of toilet floors	180	sq.mt		
	14.2	Waterproofing of deck floors`	10.9	sq.mt		
	14.3	Waterproofing of concrete gutters	45.5	lm		
SUB-TOTAL 14.0						
15.0	TERMITE CONTROL					
	15.1	Soil Poisoning	272	sq.mt		
SUB-TOTAL 15.0						
16.0	THERMAL CONTROL					
	16.1	Insulation	725	sq.mt		
	16.2	aluminum louvers fr 1"x3" tubular	84	sq.mt		
SUB-TOTAL 16.0						
17.0	ARCHITECTURAL SPECIALTIES					
	17.1	Modular toilet cabinets made from laminated phenolic board on an	62	Sets		
	17.2	Door Lockset				
	17.2.1	Lever Type Satin Finished Door Lockset	28	sets		
	17.2.2	round Type Satin Finished Door Lockset	5	sets		
	17.3	LAVATORY COUNTER TOPS				
	17.3.1	solid granite top 0.60x3.00m (black)	3	unit		
	17.3.2	solid granite top 0.60x4.8m (black)	3	unit		
	17.3.3	solid granite top 0.60x2.40m (black)	1	unit		
	17.3.4	solid granite top 0.60x1.80m (black)	1	unit		
	17.4	ACP cladding				
	17.4.1	acp cladding on metal frames	205	sq.m.		
SUB-TOTAL 17.0						
18.0	MECHANICAL WORKS					
	18.1	FIRE SAFETY INSTALLATIONS				
	18.1.1	100mm x 6m BI pipe ASTM S-40	3	lght		
	18.1.2	75mm x 6m BI pipe ASTM S-40	15	lght		
	18.1.3	63mm x 6m BI pipe ASTM S-40	18	lght		
	18.1.4	50mm x 6m BI pipe ASTM S-40	7	lght		

	18.1.5	40mm x 6m BI pipe ASTM S-40	13	lght		
	18.1.6	32mm x 6m BI pipe ASTM S-40	18	lght		
	18.1.7	25mm x 6m BI pipe ASTM S-40	97	lght		
	18.1.8	100mmx75mm BI coupling Reducer welded	3	pcs		
	18.1.9	75mmx63mm BI coupling Reducer welded	7	pcs		
	18.1.10	75mmx40mm BI coupling Reducer welded	6	pcs		
	18.1.11	75mmx32mm BI coupling Reducer welded	6	pcs		
	18.1.12	75mmx25mm BI coupling Reducer welded	8	pcs		
	18.1.13	63mmx50mm BI coupling Reducer welded	17	pcs		
	18.1.14	63mmx40mm BI coupling Reducer welded	6	pcs		
	18.1.15	63mmx32mm BI coupling Reducer welded	2	pcs		
	18.1.16	63mmx25mm BI coupling Reducer welded	5	pcs		
	18.1.17	50mmx40mm BI coupling Reducer welded	8	pcs		
	18.1.18	50mmx32mm BI coupling Reducer welded	18	pcs		
	18.1.19	50mmx25mm BI coupling Reducer welded	7	pcs		
	18.1.20	40mmx32mm BI coupling Reducer welded	16	pcs		
	18.1.21	40mmx25mm BI coupling Reducer welded	8	pcs		
	18.1.22	32mmx25mm BI coupling Reducer welded	47	pcs		
	18.1.23	25mmx15mm BI coupling Reducer welded	269	pcs		
	18.1.24	100mm BI elbow 90* S-40 welded	5	pcs		
	18.1.25	75mm BI elbow 90* S-40 welded	3	pcs		
	18.1.26	63mm BI elbow 90* S-40 welded	2	pcs		
	18.1.27	40mm BI elbow 90* S-40 threaded	20	pcs		
	18.1.28	32mm BI elbow 90* S-40 threaded	6	pcs		
	18.1.29	25mm BI elbow 90* S-40 threaded	220	pcs		
	18.1.30	100mm BI equal Tee s-40 welded	3	pcs		
	18.1.31	75mm BI equal Tee s-40 welded	22	pcs		
	18.1.32	63mm BI equal Tee s-40 welded	25	pcs		
	18.1.33	50mm BI equal Tee s-40 threaded	20	pcs		
	18.1.34	40mm BI equal Tee s-40 threaded	4	pcs		
	18.1.35	32mm BI equal Tee s-40 threaded	5	pcs		
	18.1.36	25mm BI equal Tee s-40 threaded	124	pcs		
	18.1.37	50mmx40mm50mm BI Tee Reducer S-40 (threaded)	4	pcs		
	18.1.38	50mmx32mm50mm BI Tee Reducer S-40 (threaded)	4	pcs		
	18.1.39	50mmx25mm50mm BI Tee Reducer S-40 (threaded)	2	pcs		
	18.1.40	40mmx25mm40mm BI Tee Reducer S-40 (threaded)	13	pcs		
	18.1.41	32mmx25mm32mm BI Tee Reducer S-40 (threaded)	45	pcs		
	18.1.42	sprinkler head pendant type with moutnting plate	269	pcs		
	18.1.43	Buttefly valve 75mm with supervisory switch UL	3	pcs		
	18.1.44	fire hose valve 2-1/2"	3	pcs		
		fire hose cabinet 11/2" pressure regulating angle valve				
	18.1.45	11/2"x100' long double jacket fire hose with adjustable nozzle	3	pcs		
	18.1.46	siamese twin 2-1/2"	1	pcs		
	18.1.47	check valve 2-1/2"	1	pcs		
	18.1.48	ball valve/drain valve 25mm	3	pcs		
	18.1.49	alarm check valve system 100mm	1	set		
	18.1.50	OS and Y valve 100mm	1	unit		
	18.1.51	Inspector's test valve 25 diam with sight glass	3	unit		
	18.1.52	air relief valve 1/2"	3	pcs		
	18.1.53	flow switch 75mm	3	pcs		
	18.1.54	angle bar 50mmx50mmx1/4"	5	pcs		
	18.1.55	con. Thread round bar 3/8" diam.x10ft.	55	lght		
	18.1.56	swivel loop hanger 75mm	40	pcs		
	18.1.57	swivel loop hanger 63mm	50	pcs		
	18.1.58	swivel loop hanger 50mm	25	pcs		
	18.1.59	swivel loop hanger 40mm	8	pcs		
	18.1.60	swivel loop hanger 32mm	36	pcs		
	18.1.61	swivel loop hanger 25mm	255	pcs		

		18.1.62	u bolt with nut and washer 3/8"x3	20	pcs			
		18.1.63	Ubolt with nut and washer 3/8"x4	15	pcs			
		18.1.64	Expansion bolt 3/8"	60	pcs			
		18.1.65	Nut and washer 3/8"	120	pcs			
		18.1.66	welding rods 6011	9	kgs			
		18.1.67	welding rods 6013	6	kgs			
		18.1.68	cutting disc 4"	6	pcs			
		18.1.69	cutting disc 14"	4	pcs			
		18.1.70	grinding disc 4"	10	pcs			
		18.1.71	QDE paint international red	2	gal			
		18.1.72	Paint thineer	2	gal			
		18.1.73	metal primer red oxide	3	gal			
		18.1.74	paint brush 3"	3	pcs			
		18.1.75	paint brush 2"	4	pcs			
		18.1.76	twine	5	rolls			
		18.1.77	gasket maker	6	tube			
		18.1.78	teflon tape 3/4"	3	pcs			
		18.1.79	steel brush	6	pcs			
		18.1.80	waste rugs	3	kgs			
		18.1.81	25 Hp fire pump, 3Hp jockey pump with control and accessories	1	lot			
				SUB-TOTAL 18.0				
19.0	SIGNS AND SIGNAGES							
	19..1	indoor room acrylic signages 4"x12"		42	pcs			
				SUB-TOTAL 19.0				
20.0	Orbiting Fan							
	20.1	orbiting wall Fan		137	set			
				SUB-TOTAL 20.0				
				GRAND TOTAL				

Prepared by:

MICHAEL T. ANG
Consulting Architect

Recommending Approval:

ENGR. RONAMAR SARTO
PMO

Approved by:

DR. CHUCHI GARGANERA
Director III