

**DON SEVERINO FABRIANI SECONDARY SCHOOL BUILDING
% DAUGHTERS OF PROVIDENCE FOR THE DEAF AND DUMB
CATHOLIC DIOCESE OF ORLU
IMO STATE-NIGERIA
BILL OF QUALITIES**

AMOUNT

Main Building

S/N	DESCRIPTION OF ITEM	QTY	UNIT	PRICE	
	SUBSTRUCTURE (ALL PROVISIONAL)				
	D Groundwork				
	D20 EXCAVATING AND FILLING				
	<u>Excavating</u>				
A	Top soil for preservation 150 average dept	2300	M ²	200	460,000
B	Pits 2m maximum dept. from 150 below existing ground	151	M ³	1,200	181200
C	Trenches exceeding 300 wide 1m maximum depth; from 10 below existing ground level	494	M ³	1,200	594,000
	<u>Disposal</u>				
D	Excavated material off site	261	M ³	500	1300,500
	<u>Selected Excavated Material</u>				
E	Filling to excavations over 250 average thick; obtained from site spoil heaps	219	M ²	600	131400
F	Filling to make up level over 250 average thick obtained off site	307	M ²	1100	337700
	<u>Hardcore</u>				
G	Filling site to make up levels over 250 avearge thick; obtained off	224	M ²	1300	291400
	Apply Dieldrex anti-termite solution to sides and bottom od				
H	Excavation	2375	M ³	200	47500
J	Level and compact the bottom of excavation to receive concrete	605	M ³	1000	605,000
	<u>E IN SITU CONCRETE/LARGE PARCAST CONCRETE</u>				
	<u>E10 IN SITU CONCRETE</u>				
	Plain In-situ Concrete (1:3:6 – all in aggregate				
	K Blinding bed 50 thick	5	M ³	40,000	240,000
	To Collection				344, 6200

**DAUGHTERS OF PROVIDENCE BUILDING ORLU
BILL OF QUANTITIES....SCHOOL BUILDING**

S/N	DESCRIPTION OF ITEM	QTY	UNIT	PRICE	AMOUNT
	<u>Reinforced; Concrete Grade 25:5; developing minimum 25.5 work strength in 28 days</u>				
A	Foundation generally	12-25 83	M ³	46,000	164,64,000
B	Column bases generally	49	M ³		
C	Columns generally	7	M ³		
D	Beds not exceeding 150 thick	219	M ³		
	<u>E20 FORMWORK FOR IN SITU CONCRETE</u>	358			
	Framework; Sawn Formwork				
E	Sides of foundations 250 to 500 high	189	M ³	25,000	472500
F	Edge of bed 150 high	231	M ³	500	115500
G	Isolated Columns rectangular	117	M ³	2500	292500
	<u>E30 REINFORCEMENT FOR IN SITU CONCRETE</u>				
	<u>Reinforcement; Mild steel reinforcement to Bs 4449 Grade 250</u>				
J	Bars 12-25 normal size	4716	Kg	300	1414800
K	Fabric type A142; Weight 2.22kg; measured net with minimum 300 lap at joints	1631	m ²	800	1304800
	To Collection				20249,6000

**DAUGHTERS OF PROVIDENCE BUILDING ORLU
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S/N	DESCRIPTION OF ITEM	QTY	UNIT	PRICE	AMOUNT
	<u>E40 DESIGN JOINTS FOR INSITU CONCRETE</u>				
	<u>Joints: Flexcel or orther approved expansion joints</u>				
A	<u>Plan 25 thick – 150 to 300 wide; horizontal</u>	133	M	1500	199500
	<u>F MASONRY</u>				
	<u>F10 BRICK/BLOCK WALLING</u>				
	<u>Blockwork: Hollow sancrete blockwork in cement mortar (1:6) filled solid with concrete weak concrete</u>				
B	Walls 225 thick	651	M ²	4000	2604000
	Cement and sand (1:1) damp proof course				
C	50mm Damp proof course 230mm wide	231	m	400	92400
	<u>Clear Polythene Sheet damp proof membrane (1000g/m²)</u>				
D	0.26mm damp proof membrane laid with welded joints on and including 10mm layer of fine sand (measured net)	777	M ²	600	466,200
E	Allow the provisional sum of N700,000.00 for additional foundations to be expanded as directed by the Architect	Sum			700,000
F					
	<u>Collection</u>				4,0621, 100
	Page 1				3,446,200
	Page 2				20,249,600
	Page 3				4,062, 100
	Substructure to Summary				27,757, 900

**DAUGHTERS OF PROVIDENCE BUILDING ORLU
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S/N	DESCRIPTION OF ITEM	QTY	UNIT	PRICE	AMOUNT
	<u>FRAME</u>				
	<u>E IN SITU CONCRETE/LARGE PRECAST CONCRETE</u>				
	<u>E10 IN SITU CONCRETE</u>				
	<u>Reinforced: concrete Grade 25.5; developing minimum 25.5N/mm work strength in 28 days</u>				
A	Beams generally	70	M ²	46,000	5,520,000
B	Columns generally	30	M ²		
C	Roof Beam	20	M ²		
	<u>E20 FORWORK FOR INSITU CONCRETE</u>				
	<u>Formwork, Sawn formwork</u>				
D	Beams attached to sab rectangular	735	M ²	2500	3,740,000
E	Isolated columns rectangular	236	M ²		
F	Roof Beam	525	M ²		
	<u>E30 FORWORK FOR INSITU CONCRETE</u>				
	<u>Reinforcement; High yield reinforcement to Bs 4449 grade 250</u>	19,200	kg	300	5,760,000
	Frame to Summary:				15,020,000

**DAUGHTERS OF PROVIDENCE BUILDING ORLU
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S/N	DESCRIPTION OF ITEM	QTY	UNIT	PRICE	AMOUNT
	<u>UPPER FLOORS</u>				
	<u>E IN SITU CONCRETE/LARGE PRECAST CONCRETE</u>				
	<u>E10 IN SITU CONCRETE</u>				
	<u>Reinforced; Concrete Grade 21; developing minimum 21N/ mm2 work strength in 28 days</u>				
A	Slabs 150mm thick	100	M ³	46,000	4,600,000
	<u>E20 FORMWORK FOR IN SITU CONCRETE</u>				
	<u>Formwork; Sawn formwork</u>				
B	Edges of suspended slabs exceeding 150 high	138	M	500	69,000
C	Soffits of slab not exceeding 200 thick; not exceeding 1.5m high to soffit; 1.5 to high to soffit	664	M ³	2,500	1,660,000
	<u>E30 REINFORCEMENT FOR IN SITU CONCRETE</u>				
	<u>Reinforcement; high yield reinforcement to B.S. 4449 grade 410</u>				
D	Bars 10.12 nominal size	13,750	kg	300	4,125,000
	Upper Floors to Summary:				10,454,000

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S/N	DESCRIPTION OF ITEM	QTY	UNIT	PRICE	AMOUNT
	<u>ROOF</u>				
	<u>STRUCTURAL/CARCASSING TIMBER</u>				
	<u>CARPENTARY/TIMBER</u>				
	<u>Sawn Hardwood treatment wood impregnated with or pressure treated with Propiconazole to wood from rot and insect attack</u>				
B	50 x 150mm struts & kingpost	1545	m	650	1,004,250
C	50 x 150mm tie beam	885	m	650	
D	50 x 100mm purlins	2184	m	550	575,250
E	50 x 50mm Noggings	3038	m	400	120,200
					1,215,200
	<u>Aluminium Sheet</u>				
	<u>Long span aluminum Roofing sheet folded as step tiles laid in according to manufacturer's specific complete with accessories</u>	2002	M ²	2,800	5,605,600
F	Roofing covering	122	m	1,500	183,000
G	Ridge Cap	107	m	1,500	160,500
H	Valley	170	m	700	119,000
J	Eaves angel	450	m	950	427,500
K	Wall Flashing				
	Roof to Summary:				10,491,500

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S/N	DESCRIPTION OF ITEM	QTY	UNIT	PRICE	AMOUNT
	<u>STAIRS</u>				
	<u>E IN SITU CONCRETE/LARGE PRECAST CONCRETE</u>				
	<u>E10 IN SITU CONCRETE</u>				
	<u>Reinforced: Concrete Grade 21; developing minimum 21N/mm2 work strength in 28 days</u>				
A	<u>Staircase generally</u>	12	m ²	4,600	552,000
	<u>E20 FORMWORK FOR IN SITU CONCRETE</u> Formwork; Sawn formwork				
B	Edges of suspended slabs exceeding 175 high	68	m ²	500	34,000
C	Soffits of waist and landing	216	m ²	2,500	340,000
D	1.38m wide overall; rises 175 high	278	m ²	500	139,000
	<u>E30 REINFORCEMENT FOR IN SITU CONCRETE</u>				
	<u>Reinforcement: high yield reinforcement to B.S. 4449 grade 410</u>				
E	Bars 10-16mm normal size	1740	kg	300	52200
	Stairs to Summary				1,787,000

**DAUGHTERS OF PROVIDENCE BUILDING ORLU
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S/N	DESCRIPTION OF ITEM	QTY	UNIT	PRICE	AMOUNT
	<u>WALLS AND PARTITION</u>				
	<u>E IN SITU CONCRETE/LARGE PRECAST CONCRETE</u>				
	<u>E10 IN SITU CONCRETE</u>				
	<u>Reinforced Concrete Grade 21: developing minimum 21N/mm² work strength in 28days</u>				
A	<u>Lintels generally</u>	21	m ²	46,000	966,000
	<u>E20 FORMWORK FOR IN SITU CONCRETE</u>				
	<u>Formwork: Sawn formwork</u>				
	<u>Rectangular Lintel</u>				
	<u>E30 REINFORCEMENT FOR IN SITU CONCRETE</u>				
	<u>Reinforcement: high yield reinforcement to B.A 449 grade 410</u>				
B	<u>Bars 10-16 man nominal size</u>	224	m ²	2,500	560,000
	<u>F MASONRY</u>				
C	<u>F10 BRICK / BLOCK WALLING</u>	2520	m ²	300	756,000
	<u>Blockwork: Hollow sandcrete blockwork in cement mortar (1:6)</u>				
D	<u>Walls 225 thick</u>	1670	m ²	4,000	6,680,000
	Walls & Partition to Summary				8,962,000

**DAUGHTERS OF PROVIDENCE BUILDING ORLU
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S/N	DESCRIPTION OF ITEM	QTY	UNIT	PRICE	AMOUNT
	<u>WINDOWS & CURTAIN WALLING</u>				
	<u>Two track 3 panel white Powder coated aluminum framed window with 5mm tinted blue glazing complete with factory fitted insect net and all accessories</u>				
	<u>Case windows</u>				
C	In size 1200 x high overall	106	No	30,000	3, 180,000
D	Ditto 600 x 600 high overall	16	No	15,000	240,000
				55,000	55,000
E	Ditto 1500 x 4000 high overall	1	1 No	65,000	65,000
F	DITTO 2400x3450				
	Di				
	<u>BURGLARY PROOFING</u>				
	J Allow for black Steel bars proofing on all windows to Architect's detailed design				3,540,000

**DAUGHTERS OF PROVIDENCE BUILDING ORLU
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S/N	DESCRIPTION OF ITEM	QTY	UNIT	PRICE	AMOUNT
	<u>DOORS</u>				
	<u>TIMBER</u>				
	<u>DOORS/SHUTTER/HATCHES</u>				
	<u>INTERNAL DOORS</u>				
	44mm thick timber unrebated Flush door with chipboard core: timber frame covered on both sides with 6mm thick plywood; hardwood lipped on 3 sides; with timber veneer finish 'Cherry' including blackout for ironmongery and overhead door closer; in 1.2mm thick steel Frame and Hinge for unrebated door; Simonswerk Type' V8180 r approved equal and paint coated.				
A	<u>Single Swing Doors</u> 1800 x 2100mm high overall	5	Nr	50,000	250,000
		10	Nr	30,000	300,000
B	900 x 2100mm high overall	16	Nr	30,000	480,000
C	750 x 2100mm high overall				
	<u>BUILDING FABRIC SUNDRIES</u>				
	<u>Ironmongery</u>				
	<u>3 sectional construction hinges with thrust ball bearing and protected hinge pins</u>				
D	Heavy duty Stainless street butt hinges; 100 x 90	101	Nr	750	75750
	<u>Reversible cylinder mortice lock complete with Tesa Euro profile anti drill accordance with Architects</u>				
	Cylinder 6 pins with 3keys; Ref TE63030N finish; SNP	51	Nr	7500	382500
	<u>SECURITY DOORS</u>				
	Steel Doors; 52mm thick double walled and rebated on 3 sides made of galvanized sheets of approximate 0.8mm thick and 2mm thick steel profile frame welded on dowel anchor, bonding prepared for lowerable floor sealing				
	1200x2400 high overall	1	Nr	100,000	100,000
	To summary				1,588,250

**DAUGHTERS OF PROVIDENCE BUILDING ORLU
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S/N	DESCRIPTION OF ITEM	QTY	UNIT	PRICE	AMOUNT
	FLOOR FINISHES				
	<u>Lining/Sheating/Dry Partitioning</u>				
	SURFACE FINISHES				
	<u>Vitrified Tiling: Glazed vitrified tiling in cement and sand mortar on and including screeded bed pointing in matching cement Spanish/Italian product)</u>				
C	<u>Floors</u> 300 x 300 x 8 thick tiles to falls only not exceeding 15 degrees from horizontal; to concrete	1162	m ²	3,800	4,415,600
D	Skirting, 150 high	454	m ²	750	340,500
E	Tread; 300 wide	103	m ²	1,500	152,500
F	Riser; 175 high	210	m ²	1,000	210,000
	<u>Slip resistance Unglazed vitrified tiling in cement and sand mortar on and including screeded bed and pointing in matching cement 300mm x 300mm</u>				
G	Floor; 300 wide to concrete	115	m ²	3,600	414,000
	Floor Finishes to Summary:				5,532,600

**DAUGHTERS OF PROVIDENCE BUILDING ORLU
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S/N	DESCRIPTION OF ITEM	QTY	UNIT	PRICE	AMOUNT
	WALL FINISHES				
	M Surface Finishes				
	M20 PLASTERED/RENDERED /ROUGH CAST COATINGS				
	<u>Render, Cement and Sand (1:3), external</u>				
A	Walls over 300 wide; to concrete or blockwork	2700	m ²	1,500	4,050,000
	<u>Render, Calcium hydrate cement and sand (1:1:3)</u>				
	Walls				
B	Over 300 wide; to concrete or blockwork	4700	m ²	2,500	11,750,000
C	100 – 200 wide; to concrete or blockwork	490	m ²	750	307,500
	M40 STONE /CONCRETE /QUARRY /CERAMIC TILING/ MOSAIC				
	<u>Spanish Ceramic Tiling; Glazed cushioned edge wall tiling of approved colour B.S 1281 bedded in cement mortar on and including screeded backing and pointed in white cement; internal</u>				
	Walls				
D	Over 300 wide; in size 250 x 400 x 8 thick; to concrete	550	m ²	5,300	2,915,000
	M60 PAINTING/CLEAR FINISHING				
	<u>Painting render, prepare, prime and apply one undercoat wall primer and two finishing coats trade vinyl soft sheen paint colour varies as may be directed by the architect</u>				
E	General surfaces over 300 girth	4370	m ²	1,400	6,118,000
F	Surface 100 – 200 wide	294	m ²	500	147,000
	To Collection				25,347,500

**DAUGHTERS OF PROVIDENCE BUILDING ORLU
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S/N	DESCRIPTION OF ITEM	QTY	UNIT	PRICE	AMOUNT
	<u>External Walls</u>				
	<u>Painting render, prepare, prime and apply one undercoat wall primer and two finishing coats of weather resistance paint</u>	2700	m ²	1,800	4,860,000
H	Surface 100 – 200 wide	185	m ²	500	92,500
	To collection				4,952,500
	<u>COLLECTIONS</u>				
	Page 11				25,347,500
	Page 12				4,952,500
	Wall Finishes to Summary:				30,300,000

**DAUGHTERS OF PROVIDENCE BUILDING ORLU
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S/N	DESCRIPTION OF ITEM	QTY	UNIT	PRICE	AMOUNT
	<u>CEILING FINISHES</u> <u>SURFACE FINISHES</u> <u>PLASTERED/RENDERED /ROUGH CAT</u> <u>COATING</u> <u>CEILING FINISHES</u> <u>SURFACE FINISHES</u> <u>M Surface Finishes</u> <u>M20 PLASTERED/ RENDERED/ ROUGH</u> <u>CAST COATINGS</u> <u>Render: Cement and Sand (1:3);</u>				
A	Soffit of concrete slab and stair over 300 wide; to concrete or block work	165	m ²	1,500	922,500
	<u>12mm thick vinyl covered suspended gypsum board ceiling panels with exposed aluminum grids</u>				
B	Ceiling; over 300 wide	855	m ²	6,000	5,130,000
	<u>PAINTING/CLEAR FINISHING</u> <u>Painting render; prepare, prime and apply one undercoat wall primer and two finishing coats</u> <u>trade vinyl soft sheen paint color varies as may be directed by the architect</u>				
C	Ceiling Soffit over 300 wide	615	m ²	1,500	922,500
	Ceiling Finishes to Summary:				6,975,000

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S/N	DESCRIPTION OF ITEM	QTY	UNIT	PRICE	AMOUNT
	<u>FITTINGS AND FURNISHING</u>				
	<u>Balustrades</u>				
A	Supply and Fix Steel Balustrade Staircase/ First Floor balcony rails as per Architect's details	70	m	350,000	
	<u>FURNITURE WORKS</u>				
C	Allow a Provisional sum for the Supply and fixing of laminated timber cabinets complete with accessories in Labs, Libraries, etc, may be supplied by furniture industries of repute		Sum	1,000,000	
	Fittings and Furnishing to Summary:			1,350,000	

**DAUGHTERS OF PROVIDENCE BUILDING ORLU
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S/N	DESCRIPTION OF ITEM	QTY	UNIT	PRICE	AMOUNT
	<u>ELECTRICAL INSTALLATIONS</u> <u>POWER DISTRIBUTION CONTROLS & CABLES</u> Supply, install and commission the followings:				
	Supply and Install: 'MCB Distribution Board				
i	100A 8ways TPN MCB – distribution board complete with 100mp MCCB rating 8nr 10A, 16nr 30A, ABB, MEM ELECTRIC or APPROVE EQUAL)	1	No	12,500	12,500
ii	100A 8ways TPN MCB – distribution board complete with 100Amp. MCCB rating 7nr 10A, 19nr 30A, (ABB, MEM ELECTRIC or APPROVE EQUAL)	1	No	12,500	12,500
iii	100A, 6ways TPN MCB Distribution board complete with 100A MCCB rating 5nr 10A, 13Nr 30A (ABB, MEM, ELECTRIC or APPROVED EQUAL)	2	No	9,500	19,000
	<u>POWER CABLES</u> <u>Pvc insulated cable; Power cables as manufactured by, CUTIX, KABELMETAL, NOCCACOO, NIGERCHIN or other approved</u> Drawn into conduits or ducts or laid or drawn into trunking				
iv	4 core x 16mm ² pvc/SWA/ pvc copper cable (CURTIS, NOCCACO or KABELMETAL) approved equal	280	m	3.50	980,000
v	4core x 6.0m pvc/swa/pvc core copper cable (KURTIS, NOCACCO KABELMETAL) or approved equal	350	m		770,000
	Power distribution:				1,794,000

**DAUGHTERS OF PROVIDENCE BUILDING ORLU
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S/N	DESCRIPTION OF ITEM	QTY	UNIT	PRICE	AMOUNT
	CONDUIT PIPES & ACCESSORIES				
	Supply and install the following of conduit pipes with accessories:				
I	20mm dia. PVC conduct pipes	5700	Mtrs	150	855,000
li	25mm dia. PVC conduct pipes	3024	Mtrs	150	453,600
lii	100mm dia. UPVC pipes	220	Mtrs	200	44,000
lv	50mm dia. PVC pipes	140	Mtrs	200	28,000
V	Plastic Round looping boxes	450	No	70	31,500
Vi	Plastic looping boxes	340	No	70	23,800
Vii	3" x 3" galvanise knock-out boxes 800/pkt of 10	115	No	110	12,650
Viii	3" x 16" galvanise inspection boxes 500 / pkt of 5	170	No	70	11,900
ix	6" x 6" galvanise inspection boxes	20	No	1000	20,000
X	Accessories like coupler, malebush, locknut etc				250,000
	Condit pipes and Accessories				1,730,450
	INTERNAL CABLES				
	Supply and install in concealed the following sizes of cable (CURTIS, NOCCACO or KABELMETAL)				
I	1.5mm2 single PVC copper cable	3790	Mtrs	110	416,900
li	2.5mm2 single PVC copper cable	3080	Mtrs	180	554,400
lii	4.0mm2 single PVC copper cable	3220	Mtrs	270	869,400
	Internal cables				1,840,700
	LIGHTING FITTINGS				
	Supply, install the following (Thorn, Bennet/Clipsal) Lighting fixture				
I	1 x 60watt decorative ceiling mounted lighting fitting	180	No	3000	340,000
li	Wall mounted flourecent luminaire INSPECT - LINE PLUS Thorn type 2x36w TLD florescent Lamp bennete fittings	150	No	3500	525,000
iii	1x100watt wall mounted water resistance / dust proof florescen	80	No	3500	280,000
iv	T lighting fitting on external exit light with inbuilt batteries				
	Lighting Fitting	25	No	4900	122,500
					1,467,500

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S/N	DESCRIPTION OF ITEM	QTY	UNIT	PRICE	AMOUNT
	<u>SWITCHES & OUTLETS</u>				
	Supply and Install the following Elegant decorative switches and				
	Sockets as read and flush mounted (M.K/CLIPSAL, SCHNEIDER Whiteshall or approved equivalent)				
I	10A 1-way, 1 1-gang switch	40	No	600	24,000
li	10A 1-gang 2 way switch; K4871WHI	20	No	650	13,000
lii	10A-2gang 1-way switch K4872WHI	20	No	1000	20,000
Iv	10A 1-way, Dimmer switch	40	No	2100	84,000
V	13A unswitched socket outlet K2876WH1	15	No	2100	31,500
Vi	13A single switch socket outlet; K2757WH1	50	No	14000	70,000
Vii	13A twin switch socket outlet; K2747 WH1	45	No	2100	94,500
Viii	15A switched socket outlet	40	No	2100	84,000
X	45A Cooker control unit	2	No	6500	13,000
	Switches and Sockets				
	<u>EARTHING & LIGHTNING PROTECTION SYSTEM</u>				434,000
I	S3.4.0 Indelec lighting Prevention unit c/w 2.5mtrs steel support	1	No	12600	12,600
li	25mm x 3mm flat copper tape	45	Mtrs	3250	146,250
lii	50mm ² pvc copper cable	60	Mtrs	2500	150,000
Iv	120mm copper earth rod	4	No	8400	33,600
v	Accessories for lighting arrester termination to include clips, brass nail test clamp etc;.		Lot		50,000
vi	Allow for soil improvement and earth mat, installation to include digging and backfilling.		lot		20,000
	Earthing and lightning protection				412,450

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S/N	DESCRIPTION OF ITEM	QTY	UNIT	PRICE	AMOUNT
	FIRE ALARM DETECTION SYSTEM Supply and install the following for fire alarm system				
i	2 loop Analogue addressable fire alarm panel complete with battery	1	No	900,000	900,000
ii	Fire Alarm repeater panel	1	No	877,500	877,500
iii	Smoke detector	100	No	27,000	2,700,000
iv	Heat detector	10	No	20,000	200,000
v	Manual call glass point	10	No	27,000	270,000
vi	Motorised siren	1	No	30,000	30,000
vii	Alarm bell	6	No	10,000	60,000
viii	1.0mm ² pvc copper cable	2000	Mtrs	650	1,300,000
ix	20mm dia. Pvc conduit pipes	480	Mtrs	160	76,800
x	Conduit accessories like boxes (looping, knock-out couplers bushes etc.)		Lot		100,000
					8,514,300

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S/N	DESCRIPTION OF ITEM	QTY	UNIT	PRICE	AMOUNT
	SUMMARY				
	POWER DISTRIBUTION CONTROLS & CABLES				1,794,000
	PVC CONDUIT PIPES & ACCESSORIES				1,730,450
	INTERNAL CABLES				1,840,700
	LIGHTING FITTINGS				1,467,500
	SWITCHES & SOCKET ACCESSORIES				434,000
	EARTHING & LIGHTNING PROTECTION				412,450
	FIRE ALARM DETECTION SYSTEM				5,514,300
	Electrical Installation to Summary:				14,193,400

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S/N	DESCRIPTION OF ITEM	QTY	UNIT	PRICE	AMOUNT
	<u>MECHANICAL INSTALLATION</u>				
A	<u>SANITARY FITTINGS</u> Supply install and commission the following sanitary fixtures				
i	Montana Close coupled wash down Water closet in vitoeus china with 9 ltrs capacity cistern cat. No S3080 (154301a) colour white c/wall fixing accessories (Armitage shank/ Ideal standard)	14	No	57,600	806,400
e	Sandringham 535 x 430 Wash hand basin with two tapholes at				
iii	200mm centers and oval pedestal complete with all accessories cat. Nos 2140 (128713S) colour white (Armitage shank/Ideal standard)	8	No	57,600	460,800
iv	Plastic frame and concealed edges 450 x 600mm Mirror Dein's and Queens toilet/Bathroom.	4	No	80,000	320,000
xiv	Ceramic soap dish	8	No	10,500	84,000
	Total Summary				1,671,200

**DAUGHTERS OF PROVIDENCE BUILDING ORLU
BILL OF QUANTITIES....SCHOOL BUILDING**

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S/N	DESCRIPTION OF ITEM	QTY	UNIT	PRICE	AMOUNT
C	SOIL & WASTE PIPE				
	Supply and lay the following UPVC pipe and accessories to B.S 4660 with joints in the wall and floor.				
1	PIPES	294	Mtrs	720	211,680
i	100mm & Upvc pipes	155	Mtrs	390	60,450
iii	50mm & Upcv				43,200
2	Fittings				
i	100mm & Upcv	20	No	2160	24,000
ii	100mm & Upcv Tee	10	No	2400	8,640
iii	100mm x 50mm & Upcv reducer	12	No	720	
vii	50mm & Upcv bend	70	No	360	25,200
viii	50mm & Upcv Tee	45	No	660	29,700
x	100mm pan connector	25	No	1800	45,00
xi	100mm cowl vent	30	No	360	18,000
xiii	32mm bottle trap	10	No	1800	14,400
				720	19,500
3	50mm odour control floor drain	20	No	780	
4	P-traps	25	No		
5	Miscellaneous: Gums, brackets & adaptor	Lot	Lot		100,000
F					
i	Xpleair 250m ³ /hr 6" wall mounted air extractor fan	15	No	30,000	450,000
ii	Allow for accessories and connection	Lot	lot		200,000
	TOTAL CARRIED TO SUMMARY				1,235,370
					1,671,200
					3,806,100
	<u>COLLECTION</u>				1,235,370
	Mechanical installations				6,712,670
	Carried to summary				

**DAUGHTERS OF PROVIDENCE BUILDING ORLU
BILL OF QUANTITIES....SCHOOL BUILDING**

S/N	DESCRIPTION OF ITEM	QTY	UNIT	PRICE	AMOUNT
B	<u>COLD WATER SUPPLY PIPE</u>				
	Supply and install complete in all respect PPR pressure pipes and fittings as manufactured by WAVIN, Wichtech in accordance to British standard BS 3505 (or other approved equal). The pipe shall be capable of withstanding a maximum pressure of 4 bars.				
1	PIPES	545	M	3000	1,635,000
i	32mm RR pressure pipe	280	M	2000	560,000
	25mm PPR pressure pipe	42	M	1,650	69,300
	19mm PPR pressure pipe	150	M	1,350	202,500
iv	13mm PPR pressure pipe				46,800
2	Fittings	26	No	1800	14,800
ii	32mm elbow	8	No	1800	12,000
iii	32mm elbow	2	No	6,000	43,200
iii	32mm gate valve.	24	No	1,800	14,400
iv	32mm Union connector	8	No	1,800	
v	32mm Tee	16	No		
vi	25mm elbow	9	No		
vii	25mm reducer	8	No	2000	136,000
viii	25mm gate valve	6	No		
ix	25mm Union connector	29/68	No		
x	25mm Tee	8	No		
xi	19mm elbow	3	No	2,500	20,000
xii	19mm nipple	6	No	2,500	75,000
xiii	19mm gate valve	6	No	8,000	48,000
xiv	19mm Union connector	27	No	2,500	15,000
xv	13mm elbow	16	No	3,000	81,000
xvi	13mm nipple	32	No	3,000	48,000
xvii	133mm gate valve.	33	No	10,000	320,000
xviii	13mm Union connector			3,000	99,000
				3,000	114,000
xix	13mm Tee	38	No	2,000	58,000
	15 flexible connector	29	No		
xx	Miscellaneous: brackets, sockets, anchors, trade tangit or abro adhesive gum etc.		Lot		250,000
3					3,806,100

**Romanus Onwuakpoke
Registered QS**

GENERAL SUMMARY

S/N	DESCRIPTION OF ITEM	AMOUNT
1	Substructure	27,757,900
2	Frames	15,020,000
3	Upper floors	10,454,000
4	Roof	10,491,500
5	Stairs	1,787,000
6	Walls & Partitions	8,962,000
7	Windows	3,540,000
8	Doors	1,588,250
9	Wall finishes	30,300,000
10	Floor finishes	5,532,600
11	Ceiling finishes	6,975,000
12	Fittings & Furninshing	1,350,000
13	Electrical Installation	14,193,400
14	Mechanical Installations	6,712,670
		144,664,320

Romanus Onwuakpoke
Registered QS

Romanus Onwuakpoke 10/05/19



MILLENIUM BREED ARCHITECTS



Orlu, Orlu L.G.A Imo State.

Branch: #28 Wickernburggasse Grazt, Austria

Email: breedluvarchitects@gmail.com

Cell No: 08032530440, 08060391910

ARCHITECTS / BUILDERS AND ESTATES SURVEYORS



Our Ref: Your Ref: Date: 10th June 2019

This contract Agreement
Made this 10th Day of June 2019

Between

Arc Emman U. Ogunnaya
Millenium Breed Architects
Orlu, Orlu L.G.A
Imo State

And

Rev. Mother M. Chidimma Claire Onyeoziri
Superior General

Daughters of Providence for the Deaf and Dumb Corso Cavour, 54
41121 Modena, Italy

This Contract Agreement, between Arc Emman U. Ogunnaya of Millenium Breed Architects, Orlu, Orlu L.G.A Imo State (hereinafter referred to as the CONTRACTOR of the one part.

And

Rev. Mother Chidimma Claire Onyeoziri of the Daughters of Providence for the Deaf and Dumb, Modena, Italy (hereafter referred to as the Employer) of the other part. In consideration of the agreements and promise to set forth herein, both parties agree on the following.

GENERAL CONDITIONS:

- 1) The Employer agrees to engage the contractor, the Contractor agrees to be engaged by the Employer for the purpose of constructing, Don Severino, Fabriani Secondary school in the Diocese of Orlu, Imo State. Nigeria.
- 2) The work carried by the Agreement is the construction of the secondary school, in accordance with the building plan already approved by both the Employer and the contractor.

Breed Architects

- 3) The contractor will ensure the supply and use of quality materials for the construction of the secondary school.
- 4) The building plan can be modified by both parties in mutual understanding during construction.
- 5) The duration of the project is one year, effective JUNE 29th 2019 to JUNE 28th 2020.
- 6) The Bishop of the Diocese of Orlu. His Excellency, Most Rev. Dr. Augustine Ukwuoma stands as valuable advisor and referee for both parties.

THE COST OF THE PROJECT:

The total cost of the project is N 144, 664, 230.00 . One Hundred and Forty-Four Million, Six Hundred and Sixty-Four Thousand, three Hundred and Twenty Naira.

STAGES / SCHEDULE OF PAYMENT AND LIABILITIES.

The payments will be made according to the following work stages.

- | | |
|----------------------------|-------------------------------------|
| 1) Site Clearance to D.P.C | = 30,000,000 (thirty Million Naira) |
| 2) From DPC to Lintel | = 24,000,000 (Twenty Four Million) |
| 3) From Lintel to Decking | = 20,000,000 (Twenty Million) |
| 4) From Decking to Parapet | = 15,000,000 (Fifteen Million) |
| 5) Roofing | = 20,000,000 (Twenty Million) |
| 6) Rendering and Fittings | = 10,000,000 (Twenty Million) |
| 7) Finishing and Painting | = 15,000,000 (Fifteen Million) |

The sum of N10,664, 320.00 (Ten Million, Six Hundred and Sixty-Four Thousand, Three Hundred and Twenty Naira) will be given at work completion.

Payment can be made twice or more for each stage in accordance with the agreement made over the phone on the 19th May, 2019, a % of the total cost will be deducted towards the completion of work.

The Client bears any % variation during construction in case of payment delay the Arc/Contractor bears any % variation during construction in case of delay to deliver on time.

EFFECTIVE OF CONTRACT:

The effect date of this contract shall be the date when all the following conditions have been fulfilled:

- a) Signing of contract by both parties.
- b) Payment of first installation.

Employer



Arc/Contractor



10th JUNE 2019

Witness