CONTRACT

BETWEEN

UNIVERSITY OF LAGOS, NIGERIA

AND

INTEGRATED ENGINEERING PROJECTS LIMITED

FOR THE CONSTRUCTION OF ACEDHARS CENTRE BUILDING IN THE UNIVERSITY OF LAGOS

Prepared By:

.....

Legal Services Unit,
University of Lagos,
Akoka, Yaba,
Lagos.

THIS CONTRACT is entered into this..... **day of** **2023**

BETWEEN

UNIVERSITY OF LAGOS (hereinafter referred to as "*the University*") a Federal Tertiary Institution established in 1962 by an Act of Parliament of the Federal Republic of Nigeria as encrypted in the University of Lagos Act 1967 (as amended), Chapter U9 Laws of the Federal Republic of Nigeria, 2004 with its main campus at Akoka, Yaba, Lagos;

AND

INTEGRATED ENGINEERING PROJECTS LIMITED (hereinafter referred to as "*the Contractor*" which expression shall where the context so admits, includes its successors-in-title, privies, accredited representatives, agents and assigns) a Limited Liability Company registered under the Companies and Allied Matters Act 1990, with RC Number 382,676 and having its office at No. 3, Ojulowo Imoshe Street, Anifowoshe, Ikeja, Lagos.

WHEREAS, the University desires to have the Contractor perform the works hereinafter referred to, and the Contractor is willing to perform same:

Construction of ACEDHARS Centre Building in the University of Lagos

NOW THEREFORE THE PARTIES hereby agree as follows:

The Contractor shall perform the works in accordance with the terms of this Contract particularly ***"General Conditions of Contract" (as specified under the Procurement Act of the Federal Republic of Nigeria)*** **enclosed as Annexure A** and ***"The Special Conditions of Contract"*** **enclosed as Annexure B** which are made integral parts of this Contract and as adopted by the Tenders Board of the University.

(1) The Contract shall come into effect as specified in Annexure B. The Contractor shall ***construct the ACEDHARS Centre Building in the University of Lagos*** (hereinafter referred to as "the ***Works***") within Twenty– Four (24) weeks from the date of the acceptance of the Letter of Award, dated February14, 2023.

(2) For the Contract to be carried out, the University shall pay the Contractor the sum of ***Three Hundred and Fifty-Five Million, Three Hundred and Sixty-Five Thousand, Three Hundred and Thirty-Five Naira, Ninety-Seven Kobo (₦ 355, 365, 335.97k) only*** which amount has been established on the understanding that

it includes all of the Contractor's costs and profits as well as tax obligations that may be imposed on the Contractor.

(3) The Contractor hereby undertakes that there shall be no extension of duration, fluctuation or variation in the contract.

(4) The Contractor shall pay **2% of the Contract sum** to the University as Endowment Fund in line with University's policy.

(5) The Contractor shall be responsible for payment of Stamp Duties in accordance with the law. Hence, the University shall deduct one percent (1%) of the Contract sum and remit same to the Federal Inland Revenue Service in compliance with the Federal Government Policy on payment of Stamp Duty.

(6) The Contractor hereby undertakes to indemnify the University with 0.05% of the Contract sum per week as penalty for default or delay in completing the Work within the stipulated period for completion.

(7) The Schedule of payment of the Contract sum shall be in accordance with milestones delivery and evaluation by the Coordinator which shall be based upon acceptance of completion report by the University.

(8) The ACEDHARS Centre Building to be constructed shall be located adjacent to the Department of Chemical and Petroleum Engineering, along Tafawa Balewa Road, University of Lagos. The area of the site is 1,554.6395 sq.m.

(9) The ACEDHARS Centre Building to be constructed shall be One Block of Two (2) Floors – Ground Floor + One (1) Floor.

(10) SPECIFICATIONS

a. The Building shall be constructed strictly in accordance with the drawings presented and specifications stated in the Bill of Quantities attached to this Contract as Annexure C.

b. The dimensions and details of the Building shall be in accordance with the Drawings– Architectural Drawings, Mechanical Services Drawings, Electrical Services Drawings, Structural Drawings, Stair details. There shall be no deviation from the dimensions without written approval from the University.

c. The Ground Floor shall be made up of:

i. Four (4) Laboratories
ii. Four (4) Laboratory Attendant Offices
iii. Two(2) Offices
iv. Four (4) Stores

v. Main Lobby
vi. Male Toilet
vii. Female Toilet
viii. Staircase

d. The First Floor shall be made up of:

i. Two (2) Classrooms
ii. Board Room
iii. Video Room
iv. Three (3) Offices
v. General Office
vi. Two (2) Stores
vii. Main Lobby
viii. Male Toilet
ix. Female Toilet
x. Staircase

(11) The materials used for concrete works, reinforcement, block work, formwork, concrete work, steelwork, waterproofing, roof covering, metal work, woodwork, plumbing and mechanical installations, electrical installations and painting shall be of the best quality and the works shall be carried out as specified in the Bill of Quantities.

(12) The external works to be carried out shall include paving of the premises, drainage channel and septic tank. The external works shall be made in conformity with the specifications in the Bill of Quantities.

(13) The Scope of Works under this Contract shall be as stated in the priced and completed Bill of Quantities which forms part of the Tender presented and as per all relevant drawings referred to above.

(14) The Contractor undertakes to perform the Works with the highest standards of professional and technical competence and integrity.

(15) The Contractor shall provide necessary protection such as temporary fencing gates to restrict access of the public to the site to prevent injury possibilities.

(16) The Contractor shall not use the paved surface of any roadway or footpath for the mixing or storage of materials.

(17) The Contractor shall provide water, electric power and lighting, tools and equipment required for the proper execution of the works.

(18) The Contractor shall provide its own security on site for its staff and equipment. The University shall not be held liable for any security breach on the site. The

Contractor shall provide to the University's Chief Security Officer, details and identification cards of any security officer it assigns to the site. The Contractor shall promptly provide updated information on the security operatives upon removal or replacement.

(19) The materials to be used for the construction and furnishing shall meet the quality requirements and the project specifications. The Contractor shall ensure that all materials used for the project are delivered from reputable and authorized suppliers that never compromise on quality. The Contractor shall also not compromise on the quality of materials to be used.

(20) The Contractor shall provide water, electric power and lighting, tools and equipment required for the proper execution of the works.

(21) The Contractor and the team of workers shall maintain high quality of work throughout the entire construction and furnishing. The Contractor shall ensure that the team of workers understands the project quality requirements.

(22) The Contractor undertakes that his team of workers understand the specification and quality standards expected of the project.

(23) The Contractor undertakes that the team of workers have required skill and experience in executing the specific task assigned to them. The Contractor shall sufficiently supervise the quality of work performed by its team.

(24) The Contractor shall complete the work and furnishing free from any defects.

(25) The University designates its Director of Works & Physical Planning as the Coordinator of activities under the Contract, for receiving and recommending for approval invoices for payment, and for acceptance of the deliverables on behalf of the University.

(26) The Contractor shall present a monthly progress Report to the Architect and Coordinator (four copies each).

(27) The Contractor shall promptly replace any employee assigned under this Contract whose performance the University considers unsatisfactory.

(28) The Contractor shall not assign this Contract or subcontract any portion of it without the University's prior written consent.

(29) Upon completion of the Works, waste material, temporary sheds used for storage and protection of materials, shelters for workmen and debris shall be removed

from the site and disposed properly to the University's satisfaction. The site shall be in a clean and tidy condition upon completion of the Works.

(30) In the event of any dispute the parties agree to employ best efforts to ensure amicable resolution by negotiations between themselves first, failing which both parties shall have the dispute mediated upon by two Mediators appointed by both parties and such mediation shall be final and binding upon the parties.

(31) The Parties hereby agree that either party may terminate the Contract for non-performance and or abandonment in accordance with the terms and conditions stated therein.

IN WITNESS WHEREOF the parties have caused their respective hands and common seals to be hereunto affixed the day and year above written.

THE COMMON SEAL of the within-named
UNIVERSITY OF LAGOS
was hereunto affixed in the presence of:

.....
PROFESSOR FOLASADE T. OGUNSOLA
VICE CHANCELLOR

.....
OLADEJO AZEEZ ESQ.
REGISTRAR & SECRETARY TO COUNCIL

THE COMMON SEAL of the within-named
INTEGRATED ENGINEERING PROJECTS LIMITED
was hereunto affixed in the presence of:

.....
RAZAQ OGUNDIMU
MANAGING DIRECTOR

.....
MUBARAK ABDULRAZAQ
COMPANY SECRETARY

UNIVERSITY OF LAGOS, NIGERIA

INTEGRATED ENGINEERING PROJECTS LIMITED

SPECIAL CONDITIONS OF CONTRACT

ANNEXURE B

FOR THE CONSTRUCTION OF ACEDHARS CENTRE BUILDING IN THE UNIVERSITY OF LAGOS

Special Conditions of Contract

GCC 1.1(h) The Contractor is ***Integrated Engineering Projects Limited of No 3, Ojulowo Imoshe Street, Anifowose, Ikeja, Lagos State.***

GCC 1.1(q) The University is ***The University of Lagos, Akoka Yaba, Lagos, Nigeria.***

GCC 1.1(r) The Coordinator is ***The Director of Works & Physical Planning, University of Lagos, Akoka Yaba, Lagos.***

GCC 1.1(w) The Completion Date for the whole of the Works shall be Twenty-Four (24) weeks from the date of acceptance of the Letter of Award dated 14th February, 2023.

GCC 1.1(ac) The Site / place of performance of the contract is located on ***University of Lagos campus*** and as defined and specified by the Coordinator to the Contractor.

GCC 1.1 (af) The Start Date shall be .....

GCC 1.1(aj) The Works consist of ***Construction of ACEDHARS Centre Building in the University of Lagos***

GCC 5.1(i) **The following documents also form part of the Contract:**

i. *Letter of Undertaking on non-variation of Contract sum*
ii. *Programme of works*
ii. Other relevant materials

GCC. 12.1 The University's address for the purpose of communications under this contract is: ***The Registrar, 5th Floor, Senate House, University of Lagos, Akoka Yaba, Nigeria.***

GCC. 12.3 A Party may only change its address for notice hereunder by giving the other Party notice of such change to the address in writing.

GCC 20 The Contract sum shall be as specified in this Contract and there shall be no fluctuation or variation thereto.

The Contract sum shall be in the Naira (₦) denomination.

GCC 24.3 If the Coordinator asks the Contractor to remove a person who is a member of the Contractor's staff or work force from the Works, he shall state the reasons, and the Contractor shall ensure that the person leaves within one (1) day and has no further connection with the Work in the Contract.

GCC 28 The Contractor shall be deemed to have taken possession of the Site upon execution of the Contract.

GCC 36.1 **GCC 36.1** is subject to the Contractor exercising reasonable and due care in the performance of the Contract and has taken out all necessary insurance covers required for its equipment and personnel on the Site.

GCC 38.2 The Contractor shall deliver policies and certificates of insurance to the Coordinator, for the Coordinator's approval, before the start date of the Contract. All such insurances shall provide for compensation to be payable based on the currency reflected in the letter of award required to rectify the loss or damage which may occur for the period covered by law.

GCC 38.3 The Contractor undertakes to take out all necessary insurances required by law in engaging in this nature of Contract and shall deliver the policies and certificates to the Coordinator for approval within seven (7) days of the execution of the Contract.

GCC 40 **Limitation of Liability**

GCC 40.1 Except in cases of criminal negligence or wilful misconduct:

(*a*) the aggregate liability of the Contractor to the University, whether under the Contract, in tort or otherwise, shall not exceed the total Contract sum, provided that this limitation shall not apply to the cost of repairing or replacing defective Works, equipment or to any obligation of the Contractor to indemnify the University with respect to patent infringement.

(b) The Contractor shall carry out the Works in accordance with the Programme submitted by the Contractor, as updated with the approval of the Coordinator, and complete them by the Intended Completion Date.

GCC 43.1 The Contractor shall submit a Programme for the Works within one (1) week of signing the Contract.

GCC 43.3 The amount to be withheld for late submission of an updated Programme is 0.05% of the Contract sum weekly until same is produced.

GCC 45.1 **Early Warning.**

(a) If at any time during performance of this Contract, the Contractor should encounter events, circumstances conditions that may adversely affect the quality of the Works, or delay the execution of the Works, the Contractor shall promptly notify the Coordinator in writing of the delay, its likely duration, and its cause and await the Coordinator's response, which response shall not be unduly delayed.

(b) After receipt of the Contractor's notice, the Coórdinator shall evaluate the situation, and the Contractor shall cooperate with the Coordinator in making and considering the Coordinator's proposals for how the effect of such an event or circumstance can be avoided or reduced.

(c) The Coordinator may require the Contractor to provide an estimate of the expected effect of the future event or circumstance on the Contract sum and Completion Date. The Contractor shall provide the estimate as soon as reasonably possible.

GCC 55 **Correction of Defects.**

GCC 55.1 The Coordinator shall give notice to the Contractor, with a copy to the University, of any defects before the end of the Defects' Liability Period, which begins at Completion, and ends within fourteen (14) days thereof.

GCC 55.2 The Defects Liability Period may be reasonably extended for as long as defects remain to be corrected.

GCC 55.3 Every time notice of a defect is given, the Contractor shall correct the noted defect within the length of time specified by the Coordinator's notice in a manner that would not occasion undue delay.

GCC 63.1 The University shall pay the Contractor the amounts certified by the Coordinator within sixty (60) days of the date of each certificate. If the University makes a late payment, the Contractor shall be paid interest on the late payment in the next payment. Interest shall be calculated from the date by which the payment should have been made up to the date when the late payment is made at the prevailing rate on interest of commercial borrowing established in Nigeria.

GCC 66.1 The Contract is not subject to price adjustment.

GCC 68 **Liquidated Damages.**

GCC 68.1 The Contractor shall pay liquidated damages to the University at the rate of 0.05% per week as stated in this Contract for each day that the Completion Date is later than the intended Completion Date for the Works or for any part thereof.

GCC 68.2 The value of the delayed Works and the total amount of liquidated damages shall not exceed the amount defined in this Contract. The University may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not affect the Contractor's liabilities.

GCC 74 **Completion** - Upon completion and after evaluation, the Contractor shall request the Coordinator to issue a Certificate of Completion of Works, and the

Coordinator shall do so upon certifying that the Works are satisfactorily completed.

GCC 76 **Final Account.**

(a) The Contractor shall supply the Coordinator with a detailed account of the total amount that the Contractor considers payable under the Contract before the end of the defects' Liability Period.

(b) The Coordinator shall issue a Defects Correction Certificate and certify any final payment that is due to the Contractor within seven (7) days of receiving the Contractor's account if it is correct and complete. If it is not, the Coordinator shall issue within seven (7) days a Schedule stating the scope of the corrections or additions necessary.

(c) If the Final Account is still unsatisfactory after it has been resubmitted, the Coordinator shall decide on the amount payable to the Contractor and issue a payment certificate.

GCC 78.1 **Termination for Default**

(*a*) The University or the Contractor, without prejudice to any other remedy for breach of Contract, by giving seven (7) days written notice of default to the other party, may terminate the Contract in whole or in part if the other party causes a fundamental breach of the Contract;

(b) Fundamental breaches of the Contract shall include, but shall not be limited to the following:

(*i*) the Contractor stops works for seven (7) days where no stoppage of such is shown on the Programme of Works and the stoppage has not been approved beforehand by the Coordinator;

(*ii*) the Coordinator gives Notice that failure to correct a particular defect is a fundamental breach of the Contract and the Contractor fails to correct it within seven (7) days;

(iii) the Contractor has delayed the completion of the Works by the number of days for which the maximum amount of liquidated damages can be paid, as defined in this Contract;

(iv) the Contractor, in the judgment of the University has engaged in corrupt or fraudulent practices, as defined in this Contract, in competing for or in executing the Contract; and

(v) a payment certified by the Coordinator is not paid by the University to the Contractor within sixty (60) days of the date of the Coordinator's certificate.

GCC 78.2 Termination for Insolvency.

The University and the Contractor may at any time terminate the Contract by giving notice to the other if either of the party becomes bankrupt or otherwise insolvent. In such event, termination shall be without compensation to any party, provided that such termination shall not prejudice or affect any right of action or remedy that has accrued or shall accrue thereafter to the other party.

GCC 78.3 Engage another Contractor to complete the Works, and in that case the Contractor shall be liable to the University for any cost that may be incurred in excess of the sum that would have been paid to the Contractor, if the Work would have been executed and completed by it/him.

GCC 78.4 If the Contract is terminated, the Contractor shall stop Work immediately, make the site safe and secure and hand over the materials to the University as soon as possible.

GCC 82.1 In the event of any dispute the parties agree to employ best efforts to ensure amicable resolution by negotiations between themselves first, failing which both parties shall have the dispute mediated upon by two Mediators appointed by both parties and such mediation shall be final and binding upon the parties.

This shall be in accordance with the Arbitration and Conciliation Act LFN 2004.

GCC 82.3(b) The place of Mediation shall be a location in Lagos jointly agreed to by the parties.

IN WITNESS WHEREOF the parties have caused their respective hands and common seals to be hereunto affixed the day and year above written.

THE COMMON SEAL of the within-named
UNIVERSITY OF LAGOS
was hereunto affixed in the presence of:

.....
PROFESSOR FOLASADE T. OGUNSOLA
VICE CHANCELLOR

.....
OLADEJO AZEEZ ESQ.
REGISTRAR & SECRETARY TO COUNCIL

THE COMMON SEAL of the within-named
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was hereunto affixed in the presence of:

.....
RAZAQ OGUNDIMU
MANAGING DIRECTOR

.....
MUBARAK ABDULRAZAQ
COMPANY SECRETARY

A	**"THE CONTRACTOR"** .... **A20: THE CONTRACT/SUB-CONTRACT**				
B	**Form of Contract** JCT 80;1994 revision standard conditions				
C	**Under Seal** Performance guarantee bond/collateral warranties Advance payment bond This shall be from approved Bank. Only on special consideration shall an Insurance bond or other types of bonds be acceptable. **EMPLOYER'S REQUIREMENTS: PROVISION, CONTENT AND USE OF DOCUMENTS** Employer's requirements or limitations				200,000 00
C	No part of the tender document shall be copied or use for any other purposes than for this project without the written consent of Consultant (s) concerned Fixed charge **A32: EMPLOYERS REQUIREMENTS: MANAGEMENT** **Employer's requirements or limitations**				
D	The contractor shall be required to carry out test materials for Inclusion in the works				
E	Include the following **Provisional Sums** for Testing of Materials	1	Sum		200,000 00
	Carried to collection				
	Preliminaries 1/2				400,000 00

A	Statutoty charges include the provisional Sum of N The contractor shall submit progress photograph in 5sets on monthly basis with site progress report on the basis approved by the Architect				
B	Fixed charges Supervision of the works. An English speaking qualified full time supervisor shall be required for duration of the contract period	1	item		100,000 00
C	Fixed charge A34: EMPLOYERS REQUIREMENT: SECURITY SAFETY/PROTECTION	1	item		1,800,000 00
D	Employer's requirements or limitations, datails stated Maintain public and private roads Time related charge	1	item		
E	Protection of Work in all sections Time related charge	1	item		100,000 00
F	A35:EMPLOYER'S REQUIREMENTS: SPECIFIC LIMITATIONS ON METHOD /SEQUENCE/TIMING/ USE OF SITE Employer's requirement or limitations,details stated Design constraints; Contractors are advised to view the designs (Architectural, Structural and Services) and allow here for complying with any constrain imposed on the work due to the nature of the design,component materials and specifications.				
G	Fixed charge Method and sequence of work: Tenderers are advised to read through the "instruction to person tendering" and allow herein for any special obligation imposed on the contractors on method and work sequence	1	item		
H	Fixed charge	1	item		
	Carried to collection				2,000,000 00

A	Access: This shall include maintaining of existing road adjoining the site for the duration of the works					
	Time Related Charge	1	item		100,000	00
B	Use of the site: it is expected that the site will be used only for the purpose of the work The site shall not be for any other unrelated activities except with the express and written permission of the Architect					
	Fixed charge	1	item			
C	Working hours; This shall be between the hours of 7am to 5pm (Monday to Saturday) Any additional working hour may be employed by the contractor for the purpose of meeting work schedule and targets as laid down in the work program Any additional cost of fulfilling the contractors obligation in term of meeting program targets should be allowed here.					
	Time related charge	1	item			
D	Overtime/labour fluctuation : Overtime claim will only be entertained where specifically requested and ordered by the Architect to cover delays under clause 26.2.1 to 26.2.6 of the contracts conditions. Fluctuation claim on labour shall be on the actual labour work force on site. The contractor is to make allowance herein for claim to cover off-site work force partially employed on the work.					
	Fixed charge	1	item			
	Carried to collection					
	Preliminaries 1/4				100,000	00

	EMPLOYERS REQUIREMENTS:FACILITIES/ TEMPORARY/WORKS/SERVICES				
A	**Employer's requirements or limitations,details stated officers;site offices for use by the contractor for the project duration**				
	Fixed charge	1	item		200,000 00
	Time related charge	1	item		50,000 00
B	**Sanitary accomodation**				
	Fixed charge	1	item		200,000 00
	Time related charge	1	item		150,000 00
C	**Temporary fences,hoardings,screens and roofs**				
	Fixed charge	1	item		250,000 00
	Time related charge	1	item		50,000 00
D	**Name boards**				
	Fixed charge	1	item		150,000 00
	A37: EMPLOYER'S REQUIREMENTS; OPERATION/ MAINTENANCE OF THE FINISHED BUILDING				
E	**Employer's requirements or limitations**				
	The contractor shall be expected to maintain and keep the building free of defect for six months duration of DEFECTS LIABILITY PERIOD				
	Fixed charge	1	item		
	Carried to collection				
	Preliminaries 1/5				1,050,000 00

	A40: CONTRACTOR'S GENERAL COST ITEMS:				
A	**MANAGEMENT AND STAFF** General management staff including site supervisors, site clerk and site management staff				
	Fixed charge	1	item		
	A41: CONTRACTOR'S GENERAL COST ITEMS:				
B	**SITE ACCOMODATION** Site accommodation shall include site office and sanitary rooms for consultants (2Nr offices) complete with air-conditioning, office desk and drawers and tables.				
	Time related charge				
C	**One air conditioned large meeting room to contain a minimum of 15 persons complete with comfortable meeting table and chairs and the contractor shall provide for one wireless fixed digital telephones for use by the consultants for the duration of the contract period and provide for refreshment (finger meals and drinks) for every site meetings (twice monthly)**	1	item		500,000 00
	Fixed charge	1	item		250,000 00
	Time related charge	1	item		50,000 00
	CONTRACTOTR'S GENERAL COST ITEMS: SERVICES AND FACILITIES				
D	**SERVICES AND FACILITIES** **Temporary Power including standby generator for use by main contractor and subcontractors for the duration of the contract.**				
	Fixed charge	1	item		30,000 00
	Time related charge	1	item		20,000 00
	Carried to collection				850,000 00

A	**Temporary Water for the work including for general use by main contractor and sub -contractor for the duration of the contract**				
	Fixed charge	1	item		30,000 00
	Time related charge	1	item		20,000 00
B	**Telephone and administration**				
	Fixed charge	1	item		
	Time related charge	1	item		
C	**Safety , health,and welfare**				
	Fixed charge	1	item		100,000 00
	Time related chage	1	item		10,000 00
D	**Storage of materials including lock up spaces for specialist sub-contractors**				
	Fixed charge	1	item		500,000 00
	Time releted charge	1	item		50,000 00
E	**Rubbish disposal**				
	Time related charge	1	item		150,000 00
F	**Cleaning**				
	Time related charge	1	item		100,000 00
G	**Protection of work in all section**				
	Time related charge	1	item		
H	**Site Security including day and night security staff**				
	Time related charge	1	item		1,125,000 00
J	**Small plant and tools**				
	Fixed charge	1	item		100,000 00
	Time related charge	1	item		25,000 00
	Carried to collection				
	Preliminaries 1/7				2,210,000 00

	General attendance on nominated sub-contractors. The tenderer is to note that attendance has been measured elsewhere in the bills of quantities prices				
	A43: CONTRACTOR'S GENERAL COST ITEMS:				
	MECHANICAL PLANT				
A	All plant required for effective executive and completion of the project. This shall include but not limited to mobile and fixed cranes, excavators, earthmoving equipment, concrete mixers(mobile and fixed), standing and mobile scaffolds and other equipment and plant that the contractor shall allow necessary for keeping ground excavation free of general water for the entire period of substructure works as described in the description of works				
	Fixed charge	1	item		600,000 00
	Time related charge	1	item		150,000 00
	A54: PROVISIONAL WORK				
B	Allow a **PROVISIONAL SUM OF N300,000.00** for the payment of GEOPHYSICAL TEST to the Structural Engineer Consultant as directed by the Architect	1	Sum		300,000 00
	Carried to collection				
	Preliminaries 1/8				1,050,000 00

COLLECTIONS

Preliminaries 1/1					
Preliminaries 1/2					400,000 00
Preliminaries 1/3					2,000,000 00
Preliminaries 1/4					100,000 00
Preliminaries 1/5					1,050,000 00
Preliminaries 1/6					850,000 00
Preliminaries 1/7					2,210,000 00
Preliminaries 1/8					1,050,000 00
Preliminaries Carried to Summary					
Preliminaries 1/9					₦ 7,660,000 00

INTEGRATED ENGINEERING PROJECTS LIMITED
Building & Constructing Contractor

S/NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUBSTRUCTURE - (ALL PROVISIONAL)				
	GROUNDWORK				
	(D20) EXCAVATION AND EARTHWORK				
	Information The work in this section comprises excavations, laterite and hardcore fillings, strip and pit excavation column bases, columns and other ancillary works up to and including ground floor slab				
	The Contractor is advised to examine the architectural and structural drawings required for this work.				
	The Contractor is advised to visit the site and acquaint himself on the existing				
	PLANT				
A	Allow for bringing to site and removing from site all plant required for works		Item		
B	Allow for maintaining on site all plant required for excavation works.		Item		
	Excavating				
C	Excavate oversite commencing from ground level average 150mm deep and deposit away from site.	1,392	m2	350.00	487,200 00
D	Excavate foundation trench exceeding 0.30m width, maximum depth not exceeding 2.00m starting at stripped level	425	m3	1,800.00	765,000 00
E	Ditto pit for column bases	97	m3	1,800.00	174,600 00
F	Excavate working space pits exceeding 0.30m width maximum depth 2.00m	745	m3	1,200.00	894,000 00
	To Collection				2,320,800 00

	Disposal of water				
A	Keep the surface of the site and excavation free of surface water		Item		250,000.00
B	Keep the surface of the site and excavation free of ground water		Item		250,000.00
	Disposal of excavated material				
C	Remove excavated material from site distance not exceeding 100 meters and deposit, spread and level where directed	274	m3	1,800.00	493,200.00
	Filling to excavation				
D	Backfill around trenches and pits well compacted	115	m3	850.00	97,750.00
	Filling to make up levels				
E	Imported laterite filling to make up levels under ground floor slab, deposited and compacted in 150mm thick layers	244	m3	8,800.00	2,147,200.00
F	200mm (average) bed of hardcore well compacted and consolidated in layers not exceeding 150mm thick and blinded with fine materials to receive concrete	263	m3	14500.00	3,813,500.00
	Surface Treatment				
G	Prepare and apply one undercoat of "Herbicides" or other similar equal and approved anti-termite treatment solution to surfaces of excavations	1184	m3	550.00	651,200.00
H	Level and compact bottom of excavation to receive concrete.	1184	m3	300.00	355,200.00
			To Collection		8,058,850.00

	IN-SITU CONCRETE E10:MIXING/CASTING/CURING/IN-SITU Plain insitu concrete ; mix 1:10,20 aggregate blinding				
A	Blinding bed not exceeding 50mm thick	15	m3	35,000.00	525,000.00
B	Coloumn bases	30	m3	35,000.00	1,050,000.00
	Plain in-situ concrete; B.S.5328, designedmix C20 , 20 aggregate, minimum cement content 304 kg/m3; vibrated				
C	Foundation bed 225mm thick	62	m3	53,000.00	3,286,000.00
	Reinforced in-situ concrete; B.S.5328, designed mix C25, 18 aggregate, minimum cement content 304 kg/m3; vibrated				
D	Column bases	18	m3		
E	Ground beams	68	m3	57,800.00	9,479,200.00
F	Floor bed 150mm thick	76	m3		
G	Steps	2	m3		
	(E20) FORMWORK FOR IN-SITU CONCRETE	164			
	Formwork and basic finish				
H	Vertical sides of ground beams	437	m2	2,850.00	1,245,450.00
J	Sides of column bases 250-500mm high	85	m	1,500.00	127,500.00
K	Edges of ground floor slabs not exceeding 250mm deep	174	m	800.00	139,200.00
	E30: REINFORCEMENT FOR INSITU CONCRETE Reinforcement bars; B.S.4449, hot rolled deformed high yield steel (Provisional)				
L	10-20mm diameter bar in column bases & ground beam	10	Tons	670,000.00	6,700,000.00
	To Collection				22,552,350.00

A	10 - 20mm diameter bar in columns	1	Tons	670,0000	670,000	00
B	BRC mesh fabric reinforcement in slab to BS 4483 Ref A 142 weighting 2.22kg/m2 with and including 200mm and 300mm side and end laps(measured net)	692	m2	2,850.00	1,972,200	00
	MASONRY F10: BRICK/BLOCK WALLING Superior quality hollow sandcrete blockwall bedded and jointed in cement sand mortar (1:6) with cavities filled solid with plain in-situ concrete (1:2:4)					
C	Wall 225mm thick	878	m2	7,200.00	6,321,600	00
	P.C. SUM/PROVISIONAL SUMS/DAYWORKS A54: PROVISIONAL WORK					
D	Allow the sum of =N= 300,000.00 (Three hundred thousand Naira only) for any additional works in ground work		sum			
	To Collection				8,963,800	00

COLLECTION

	Page 2/1				2,320,800	00
	Page 2/2				8,058,050	00
	Page 2/3				22,552,350	00
	Page 2/4				8,963,800	00
	SUBSTRUCTURE Carried To Summary				41,895,000	00

FRAMES AND UPPER FLOORS

IN-SITU CONCRETE

INFORMATION

The work in this section comprises

(i) Reinforced concrete suspended slab,columns beams and associated works

E10:MIXING/CASTING/CURING/IN-SITU

Reinforced in-situ concrete; B.S.5328, designed mix C25, 18 aggregate, minimum cement content 304 kg/m3; vibrated in:

A	Columns	24	m3			
B	Floor beams	49	m3			
C	Suspended slabs	98	m3	57,800.00	10,115,000	00
D	Entrance Canopy	4	m3			
		175				

(E30) REINFORCEMENT FOR IN-SITU CONCRETE

Reinforcement bars; B.S.4449, hot rolled deformed high yield steel (Provisional)

E	10-20mm diameter bar in columns	3	Tons			
F	10-25mm diameter bar in beams	2.7	Tons	670,000.00	7,309,700	00
G	12mm diameter bar in slab and entrance porch	5.21	Tons			
		10.91				

(E20) FORMWORK FOR IN-SITU CONCRETE

Formwork and basic finish

H	Sides of columns	347	m2			
J	Sides and soffit of floor beams	226	m2	2,850.00	3,448,500	00
K	Sofitt of floor slab	637	m2			
		1,210				
L	Edge of slab not exceeding 250mm high	143	m	800.00	114,400	00
M	Soffit of the entrance canopy	57	m2	2,850.00	162,450	00

FRAME AND UPPER FLOORS

Carried To Summary 21,150,050 00

STAIRCASES

IN-SITU CONCRETE

INFORMATION

The work in this section comprises

(i) Reinforced concrete staircases and associated works.

(ii) The Contractor is however referred to Structural Engineer's drawings for details and scope of the work

E10:MIXING/CASTING/CURING/IN-SITU

Reinforced in-situ concrete; B.S.5328, designed mix C25, 18 aggregate, minimum cement content 304 kg/m3; vibrated

A	Staircase, landing and Ramp	27	m3	57,800-00	1,560,000 00

(E30) REINFORCEMENT FOR IN-SITU CONCRETE

Reinforcement bars; B.S.4449, hot rolled deformed high yield steef (Provisional)

B	12-10mm diameter bar in staircase and landing	5.6	Tons	670,000-00	3,752,000 00

Formwork and basic finish

C	Sloping soffit of staircase and ramp	180	m2	2,850-00	513,000 00
D	Horizontal soffit of landing	136	m2	2,850-00	387,600 00
E	Outerstrings 300mm wide	131	m	900-00	117,900 00
F	Edge of risers 250mm high	97	m	800-00	77,600 00

To Collection 6,408,700 00

6,408,700

	M40: INSITU SURFACE FINISHES					
	High quality VITRIFIED ceramic tiles 400 x 400 x 10mm laid to an approved pattern; bedded and grouted in cement mortar (1:4) on:					
A	Landing	17	m2	8,200.00	139,400	00
B	Treads 300mm wide	51	m	3,450.00	175,950	00
C	Risers 150mm high	51	m	1,850.00	94,350	00
D	Vitrified tile skirting 100mm x 25mm thick	88	m	1,850.00	162,800	00
	Beds and Backings (M10 and M20 Generally)					
	30mm screeded bed to receive ceramic tiles on:					
E	Landing	17	m2	2,950.00	50,150	00
F	Treads 300mm wide	51	m	1,065.00	54,315	00
G	Risers 150mm high	51	m	1,065.00	54,315	00
H	Vitrified tile skirting 100mm x 25mm thick	88	m	1,065.00	93,720	00
	M20: 12mm smooth cement and sand [1:4] rendering on;					
J	Soffit of Landing	38	m2	2,000.00	76,000	00
K	Sloping soffit of staircase and ramp	82	m2	2,000.00	164,000	00
L	Outer strings 300mm wide	82	m	750.00	61,500	00
					1,126,500	00

To Collection

	M60: PAINTING AND DECORATING Prepare and apply three coatsof QUALITY Emulsion on rendered surfaces. M60/118					
A	Soffit of Landing	38	m2	1,300·00	49,400	00
B	Sloping soffit of staircase and ramp	82	m2	1.300 00	106,600	00
C	Outer strings 300mm wide	82	m	400·00	32,800	00
	L30: The following in Staircase, handrailing and balustrading.					
	Information The work in this section comprises all steel pipe welded together to form a composite unit and well grouted into concrete or blockwork The Contractor is advised to examine the architectural drawings before pricing this aspect of work because the scope of work can be better understood therefrom.					
	Stair Balustrade and handrail					
D	Steel pipe stair balustrading 1100mm high at 200mm centres with bottom grouted into concrete and top welded into a flat steel bar complete with approved steel top grooved to Architect's instructions along the length of the railing	261	m	30,000·00	7,830,000	00
	To Collection				8,018,800	00

COLLECTION

Page 2/7 × 6,408,700 00

Page 2/8 1,126,500 00

Page 2/9 8,018,800 00

STAIRCASES

Carried To Summary ~~15,554,000 00~~ 15,553,400

ROOFING AND COVERING

IN-SITU CONCRETE

INFORMATION

The work in this section comprises
(i) Reinforced concrete roof beams, steel trusses Dome
(ii) The Contractor is however referred to Architect's drawings for details and scope of the work

E10:MIXING/CASTING/CURING/IN-SITU

Reinforced in-situ concrete; B.S.5328, designed mix C25, 18 aggregate, minimum cement content 304 kg/m3; vibrated

A	Roof beam	24	m3		
B	Dome cap	19	m3	57,800.00	8,843,400.00
C	Transverse and standing seam	59	m3		
D	230 mm suspended roof slab	51	m3		
		153			

(E30) REINFORCEMENT FOR IN-SITU CONCRETE

Reinforcement bars; B.S.4449, hot rolled deformed high yield steel (Provisional)

E	10-20mm diameter bar in beams	2.7	Tons		
F	10-16mm diameter bar in Dome cap	3.1	Tons	670,000.00	8,308,000.00
G	10-20mm diameter bar in Dome seam	3.8	Tons		
H	10-20mm diameter bar in roof slab	2.8	Tons		
		12.40			

To Collection 17,151,400.00

	(E20) FORMWORK FOR IN-SITU CONCRETE					
	Formwork and basic finish					
A	Sides and soffit of beams	256	m2	2,850.00	729,600	00
B	Sides and soffit of dome cap	879	m2	3,900.00	3,428,100	00
C	Sides of beams & dome seams	283	m2	2,850.00	806,550	00
D	Sides and soffit of roof slab	321	m2	2,850.00	914,850	00
	G10: Structural steel framing					
	Framing, fabrication of structural steel members					
E	150 x 50 x 2.50mm Z-Purlins	3.520	t	907,206.95	3,193,368	46
F	75 x75 x 5mm thick double angle iron top/bottom cord	3.740	t	780,255.00	2,918,153	20
G	60 x 60 x 5mm thick double angle iron bracing	3.730	t	780,255.00	2,910,351	15
H	16mm diametre high tensile steel bracings	1.798	t	845,000.00	1,519,310	00
J	230 x 180x 6mm base plate	24	Nr	2,035.00	48,840	00
K	125 x 75 x 6mm bolted cleats	264	Nr	1,200.00	316,800	00
L	Holding down assemblies, comprising 16mm diametre, 300mm long bolt including nut/washer	120	Nr	1,250.00	150,000	00
M	Holding down assemblies, comprising 12mm diametre black bolt including nut/washer	528	Nr	650.00	343,200	00
	Framing, erection of structural steel members					
N	Permanent erection on site	12.788	t	82,430.50	1,054,121	23
	To Collection				18,333,244	55

	PARAPET				
A	230mm thick R.C parapet wall to Engineer' specification	84	m2	13,294.00	1,116,696.00
B	50mm thick concrete coping tapered to fall and throating	110	m2	3,800.00	418,000.00
	FELTING				
	Single layer 3 or 4mm thick scudoplast waterproofing membrane as roof covering obtained from STRUCTEC Limited or other approved manufacturer touch-bonded at cement and sand floated bed (Measured seperately) primed with MC1 primer in all accordance with manufacter's printed instruction				
C	water proof memebrane	320	m2	7,750.00	2,480,000.00
D	gloss 200mm center to center round the roof facial	280	m	3,000.00	840,000.00
	To Collection				4,854,696.00

COLLECTION

Page 2/10	
Page 2/11	17,151,400.00
Page 2/12	18,333,244.55
	4,854,696.00

ROOFING AND COVERING
Carried To Summary

40,339,340.55

	EXTERNAL AND INTERNAL WALLS					
	IN-SITU CONCRETE					
	INFORMATION					
	Nature and location of the work					
	The work in this section comprises					
	(i) The erection of hollow sandrete blockwalls and associated works.					
	(ii) The Contractor is however referred to Architect's and Structural Engineer's drawings for details and scope of the work					
	E10:MIXING/CASTING/CURING/IN-SITU					
	Reinforced in-situ conrete; B.S.5328, designed mix C25, 18 aggregate, minimum cement content 304 kg/m3; vibrated					
A	Lintels	14	m3	57,800-00	809,200	00
	(E30) REINFORCEMENT FOR IN-SITU CONCRETE					
	high yield steel (Provisional)					
B	16mm -10mm diameter bar in lintel	2.8	Tons	670,000-00	1,876,000	00
	(E20) FORMWORK FOR IN-SITU CONCRETE					
	Formwork and basic finish					
C	Sides and soffit of lintel	175	m2	2,850-00	498,750	00
	To Collection				₦3,183,950	00

MASONRY

F10: BRICK/BLOCK WALLING

Superior quality hollow sandcrete blockwall bedded and jointed in cement sand mortar (1:6)

A	Wall 225mm thick	1,656	m2	5,900.00	9,770,400.00
B	Wall 150mm thick	286	m2	4,750.00	1,358,500.00

To Collection 11,128,900.00

COLLECTION

Page 2/13 3,183,950.00

Page 2/14 11,128,900.00

EXTERNAL AND INTERNAL WALLS

Carried To Summary 14,312,850.00

ALUMINIUM WINDOWS

INFORMATION

Nature and location of the work

The work in this section comprises

(i) Aluminium windows and associated works

General information applicable to all windows

White coated aluminium framed NIGALEX sliding window complete with frame and sub-frame used with 2 piece 9mm thick clear fixed glass panel, and 2 pieces of sliding carrier lever handles and all fixing accessories and locks from approved manufacturer as specified by the Architect. Each window openings also with sliding mosquito net

A	Size 2000mm x 1200mm high	10	Nr	134,400.00	1,344,000	00
B	Size 2700 x 1200mm high	12	Nr	181,440.00	2,177,280	00
C	Size 900 x 1200mm high	4	Nr	60,480.00	241,920	00
D	Size 1800 x 1200mm high	4	Nr	120,960.00	483,840	00
E	Size 900 x 600mm high	8	Nr	40,320.00	322,560	00
F	Size 600 x 600mm high	12	Nr	35,840.00	430,080	00
G	Size 2400 x 1200mm high	4	Nr	161,280.00	645,120	00
H	Size 3000 x 1200mm high	3	Nr	201,600.00	604,800	00
	Curtain walling					
J	Curtain walling externally	137	m2	27,000.00	3,699,000	00
	To Collection				9,948,600	00

	ANTI BUGLAR GRILLES				
	Supply and fix approved pattern 25mm hollow square pipe welded as vertical and horizontal members at 100mm centres, including 25mm hollow square pipe frame and fixed to blockor concrete wall to Architect's specified details				
A	Size 2000mm x 1200mm high	10	Nr	60,000.00	600,000.00
B	Size 2700 x 1200mm high	12	Nr	81,000.00	972,000.00
C	Size 900 x 1200mm high	4	Nr	27,000.00	108,000.00
D	Size 1800 x 1200mm high	4	Nr	54,000.00	216,000.00
E	Size 900 x 600mm high	8	Nr	18,000.00	144,000.00
F	Size 600 x 600mm high	12	Nr	18,000.00	216,000.00
G	Size 2400 x 1200mm high	4	Nr	72,000.00	288,000.00
H	Size 3000 x 1200mm high	3	Nr	90,000.00	270,000.00
	To Collection				2814,000.00
	COLLECTION				
	Page 2/15				9.948,600.00
	Page 2/16				2,814,000.00
	ALUMINIUM WINDOWS Carried To Summary				12,762,600.00

DOORS AND IRONMONGERY

INFORMATION

Nature and location of the work
The work in this section comprises
(i) Hardwood timber doors, Aluminium doors, ironmongery and associated works.

L20 Doors /Shutters/Hatches

High quality 45mm thick painted hardcore DOUBLE swing door covered with 6mm thick veneer plywood with 22mm x 38mmhardcore complete with frame and set of manilux ironmongery with washers according to BS7352-6. Rates for doors shall be deemed to include same

A	Size 3000 x 2100mm high	4	Nr	350,000.00	1,400,000.00
B	Size 1810 x 2100mm high	9	Nr	298,500.00	2,686,500.00

High quality 45mm thick painted hardcore SINGLE swing FLUSH door covered on both sides with 6mm thick veneer plywood with 22mm x 38mmhardcore complete with frame and set of manilux ironmongery with washers according to BS7352-6. Rates for doors shall be deemed to include same

C	Size 1500 x 2100mm high	3	Nr	162,000.00	486,000.00
D	Size 900 x 2100mm high	19	Nr	110,000.00	2,090,000.00
E	Size 750 x 2100mm high	12	Nr	110,000.00	1,320,000.00
F	Size 750 x 1800mm high	2	Nr	110,000.00	220,000.00

To Collection 3,202,500.00

	High quality 45mm thick ALUMINIUM DOUBLE swing door covered with 2286mm x 342mm glass panel complete with frame and set of manilux ironmongery with washers according to BS7352-6. Rates for doors shall be deemed to include same				
A	Size 3770 x 3000mm high	1	Nr	450,000.00	450,000 00
	To Collection				450,000 00
	COLLECTION				
	Page 2/17				8,202,500 00
	Page 2/18				450,000 00
	DOORS AND IRONMONGERY Carried To Summary				8,652,500 00

WALL FINISHINGS

Internally and Externallly

Insitu Finishings

M20: 12mm smooth cement and sand [1:4] render as on;

A	Walls	3,312	m2	2,000-00	6,624,000	00
B	Column	347	m2	2500-00	867,500	00
C	Beams	283	m2	2,500-00	707,500	00
D	Surface exceeding 200mm but not exceeding 300mm	727	m	750-00	545,250	00
E	canopy entrance	24	m2	2,000-00	48,000	00
F	Edge of the canopy entrance	25	m	750-00	18,750	00

M60: PAINTING AND DECORATING

Prepare and apply three coats High quality MEYER Emulsion on rendered surfaces.

G	Walls	2,056	m2	1,300-00	2,672,800	00
H	Column	347	m2	1,300-00	451,100	00
J	Beams	283	m2	1,300-00	367,900	00
K	canopy entrance	24	m2	1,300-00	31,200	00
L	Edge of the canopy entrance	25	m	400-00	10,000	00
M	Surface exceeding 200mm but not exceeding 300mm	727	m	400-00	290,800	00

To Collection 12,634,800 00

	High quality vitrified tiles 300 x 150 x 6mm laid to an approved pattern; bedded and grouted in cement mortar (1:4) on:				
A	Walls (Toilet)	160	m2	6,800-00	1,088,000-00
	Beds and Backings (M10 and M20 Generally) 12mm screeded bed to receive ceramic tiles on:				
B	Walls	160	m2	1,900-00	304,000-00
	ALUMINIUM CLADDINGS				
C	Perforated Aluminium composite cladding including rail anchor and rails with fixed bracket and all required accessories	1064	m2	25,000-00	26,600,000-00
	To Collection				27,992,000-00
	COLLECTION				
	PG/ 19				12,634,800-00
	PG/ 20				27,992,000-00
	WALL FINISHINGS Carried To Summary				40,626,800-00

FLOOR FINISHINGS

SURFACE FINISHES

INFORMATION

Nature and location of the work

The work in this section comprises

(i) Floor finishings and other associated works

(ii) The Contractor is however referred to various Architect's location drawings and schedule of finishing in relation to this section for the nature and content of the work to be executed.

M40: STONE/CONCRETE/QUARRY/CERAMIC TILING/ MOSAIC

High quality VITRIFIED ceramic tiles 400 x 400 x 10mm laid to an approved pattern; bedded and grouted in cement mortar (1:4) on:

A	Floors generally	1,557	m2	8200-00	12,767,400 00
B	Skirting 100mm thick	939	m	1,850-00	1,737,150 00

Beds and Backings (M10 and M20 Generally)

30mm screeded bed to receive ceramic tiles on:

C	Floors	1,557	m2	2,950-00	4,593,150 00

High quality vitrified tiles 300 x 150 x 6mm laid to an approved pattern; bedded and grouted in cement mortar (1:4) on:

D	Floor (Toilet)	230	m2	8,200-00	1,886,000 00

Beds and Backings (M10 and M20 Generally)

12mm screeded bed to receive ceramic tiles on:

E	Walls	366	m2	1,900-00	695,400 00

FLOOR FINISHINGS

Carried To Summary 21,679,100 00

	Disposal of water				
A	Keep the surface of the site and excavation free of surface water		Item		250,000 00
B	Keep the surface of the site and excavation free of ground water		Item		250,000 00
	Disposal of excavated material				
C	Remove excavated material from site distance not exceeding 100 meters and deposit, spread and level where directed	274	m3	1,800 00	493,200 00
	Filling to excavation				
D	Backfill around trenches and pits well compacted	115	m3	850.00	97,750 00
	Filling to make up levels				
E	Imported laterite filling to make up levels under ground floor slab, deposited and compacted in 150mm thick layers	244	m3	8,800.00	2,147,200 00
F	200mm (average) bed of hardcore well compacted and consolidated in layers not exceeding 150mm thick and blinded with fine materials to receive concrete	263	m3	14500.00	3,813,500 00
	Surface Treatment				
G	Prepare and apply one undercoat of "Herbicides" or other similar equal and approved anti-termite treatment solution to surfaces of excavations	1184	m3	550.00	651,200 00
H	Level and compact bottom of excavation to receive concrete.	1184	m3	300.00	355,200 00
				To Collection	8,058,050 00

	IN-SITU CONCRETE E10:MIXING/CASTING/CURING/IN-SITU Plain insitu concrete ; mix 1:10,20 aggregate blinding				
A	Blinding bed not exceeding 50mm thick	15	m3	35,000.00	525,000.00
B	Coloumn bases	30	m3	35,000.00	1,050,000.00
	Plain in-situ concrete; B.S.5328, designedmix C20 , 20 aggregate, minimum cement content 304 kg/m3; vibrated				
C	Foundation bed 225mm thick	62	m3	53,000.00	3,286,000.00
	Reinforced in-situ concrete; B.S.5328, designed mix C25, 18 aggregate, minimum cement content 304 kg/m3; vibrated				
D	Column bases	18	m3		
E	Ground beams	68	m3		
F	Floor bed 150mm thick	76	m3	57,800.00	9,479,200.00
G	Steps	2	m3		
	(E20) FORMWORK FOR IN-SITU CONCRETE	164			
	Formwork and basic finish				
H	Vertical sides of ground beams	437	m2	2,850.00	1,245,450.00
J	Sides of column bases 250-500mm high	85	m	1,500.00	127,500.00
K	Edges of ground floor slabs not exceeding 250mm deep	174	m	800.00	139,200.00
	E30: REINFORCEMENT FOR INSITU CONCRETE Reinforcement bars; B.S.4449, hot rolled deformed high yield steel (Provisional)				
L	10-20mm diameter bar in column bases & ground beam	10	Tons	670,000.00	6,700,000.00
				To Collection	22,552,350.00

A	10 - 20mm diameter bar in columns	1	Tons	670,000.00	670,000 00
B	BRC mesh fabric reinforcement in slab to BS 4483 Ref A 142 weighting 2.22kg/m2 with and including 200mm and 300mm side and end laps(measured net)	692	m2	2,850.00	1,972,200 00
	MASONRY F10: BRICK/BLOCK WALLING Superior quality hollow sandcrete blockwall bedded and jointed in cement sand mortar (1:6) with cavities filled solid with plain in-situ concrete (1:2:4)				
C	Wall 225mm thick	878	m2	7,200.00	6,321,600 00
	P.C. SUM/PROVISIONAL SUMS/DAYWORKS A54: PROVISIONAL WORK				
D	Allow the sum of =N= 300,000.00 (Three hundred thousand Naira only) for any additional works in ground work		sum		
	To Collection				8,963,800 00

COLLECTION

Page 2/1	2,320,800 00
Page 2/2	8,058,050 00
Page 2/3	22,552,350 00
Page 2/4	8,963,800 00
	41,895,000 00

SUBSTRUCTURE
Carried To Summary

FRAMES AND UPPER FLOORS

IN-SITU CONCRETE

INFORMATION

The work in this section comprises

(i) Reinforced concrete suspended slab,columns beams and associated works

E10:MIXING/CASTING/CURING/IN-SITU

Reinforced in-situ concrete; B.S.5328, designed mix C25, 18 aggregate, minimum cement content 304 kg/m3; vibrated in:

A	Columns	24	m3			
B	Floor beams	49	m3			
C	Suspended slabs	98	m3	57,800.00	10,115,000	00
D	Entrance Canopy	4	m3			
		175				

(E30) REINFORCEMENT FOR IN-SITU CONCRETE

Reinforcement bars; B.S.4449, hot rolled deformed high yield steel (Provisional)

E	10-20mm diameter bar in columns	3	Tons			
F	10-25mm diameter bar in beams	2.7	Tons	670,000.00	7,309,700	00
G	12mm diameter bar in slab and entrance porch	5.21	Tons			
		10.91				

(E20) FORMWORK FOR IN-SITU CONCRETE

Formwork and basic finish

H	Sides of columns	347	m2			
J	Sides and soffit of floor beams	226	m2	2,850.00	3,448,500	00
K	Sofitt of floor slab	637	m2			
		1,210				
L	Edge of slab not exceeding 250mm high	143	m	800.00	114,400	00
M	Soffit of the entrance canopy	57	m2	2,850.00	162,450	00

FRAME AND UPPER FLOORS

Carried To Summary

21,150,050 00

STAIRCASES

IN-SITU CONCRETE

INFORMATION

The work in this section comprises
(i) Reinforced concrete staircases and associated works.
(ii) The Contractor is however referred to Structural Engineer's drawings for details and scope of the work

E10:MIXING/CASTING/CURING/IN-SITU

Reinforced in-situ concrete; B.S.5328, designed mix C25, 18 aggregate, minimum cement content 304 kg/m3; vibrated

A	Staircase, landing and Ramp	27	m3	57,800.00	1,560,000	00
	(E30) REINFORCEMENT FOR IN-SITU CONCRETE					
	Reinforcement bars; B.S.4449, hot rolled deformed high yield steel (Provisional)					
B	12-10mm diameter bar in staircase and landing	5.6	Tons	670,000.00	3,752,000	00
	Formwork and basic finish					
C	Sloping soffit of staircase and ramp	180	m2	2,850.00	513,000	00
D	Horizontal soffit of landing	136	m2	2.850.00	387,600	00
E	Outerstrings 300mm wide	131	m	900.00	117,900	00
F	Edge of risers 250mm high	97	m	800.00	77,600	00

To Collection 6,408,700 00

6,408,700

	M40: INSITU SURFACE FINISHES				
	High quality VITRIFIED ceramic tiles 400 x 400 x 10mm laid to an approved pattern; bedded and grouted in cement mortar (1:4) on:				
A	Landing	17	m2	8,200.00	139,400.00
B	Treads 300mm wide	51	m	3,450.00	175,950.00
C	Risers 150mm high	51	m	1,850.00	94,350.00
D	Vitrified tile skirting 100mm x 25mm thick	88	m	1,850.00	162,800.00
	Beds and Backings (M10 and M20 Generally)				
	30mm screeded bed to receive ceramic tiles on:				
E	Landing	17	m2	2,950.00	50,150.00
F	Treads 300mm wide	51	m	1,065.00	54,315.00
G	Risers 150mm high	51	m	1,065.00	54,315.00
H	Vitrified tile skirting 100mm x 25mm thick	88	m	1,065.00	93,720.00
	M20: 12mm smooth cement and sand [1:4] rendering on:				
J	Soffit of Landing	38	m2	2,000.00	76,000.00
K	Sloping soffit of staircase and ramp	82	m2	2,000.00	164,000.00
L	Outer strings 300mm wide	82	m	750.00	61,500.00
	To Collection				1,126,500.00

	M60: PAINTING AND DECORATING Prepare and apply three coatsof QUALITY Emulsion on rendered surfaces. M60/118					
A	Soffit of Landing	38	m2	1,300·00	49,400 00	
B	Sloping soffit of staircase and ramp	82	m2	1.300 00	106,600 00	
C	Outer strings 300mm wide	82	m	400 00	32,800 00	
	L30: The following in Staircase, handrailing and balustrading. Information The work in this section comprises all steel pipe welded together to form a composite unit and well grouted into concrete or blockwork The Contractor is advised to examine the architectural drawings before pricing this aspect of work because the scope of work can be better understood therefrom.					
	Stair Balustrade and handrail					
D	Steel pipe stair balustrading 1100mm high at 200mm centres with bottom grouted into concrete and top welded into a flat steel bar complete with approved steel top grooved to Architect's instructions along the length of the railing	261	m	30,000·00	7,830,000 00	
	To Collection				8,018,800 00	

COLLECTION

Page 2/7 × 6,408,700 00

Page 2/8 1,126,500 00

Page 2/9 8,018,800 00

STAIRCASES

Carried To Summary 15,554,000 00

15,553,400

ROOFING AND COVERING

IN-SITU CONCRETE

INFORMATION

The work in this section comprises
(i) Reinforced concrete roof beams, steel trusses Dome
(ii) The Contractor is however referred to Architect's drawings for details and scope of the work

E10:MIXING/CASTING/CURING/IN-SITU

Reinforced in-situ concrete; B.S.5328, designed mix C25, 18 aggregate, minimum cement content 304 kg/m3; vibrated

A	Roof beam	24	m3		
B	Dome cap	19	m3	57.800.00	8,843,400.00
C	Transverse and standing seam	59	m3		
D	230 mm suspended roof slab	51	m3		
		153			

(E30) REINFORCEMENT FOR IN-SITU CONCRETE
Reinforcement bars; B.S.4449, hot rolled deformed high yield steel (Provisional)

E	10-20mm diameter bar in beams	2.7	Tons		
F	10-16mm diameter bar in Dome cap	3.1	Tons	670,000.00	8,308,000.00
G	10-20mm diameter bar in Dome seam	3.8	Tons		
H	10-20mm diameter bar in roof slab	2.8	Tons		
		12.40			

To Collection 17,151,400.00

	(E20) FORMWORK FOR IN-SITU CONCRETE					
	Formwork and basic finish					
A	Sides and soffit of beams	256	m2	2,850.00	729,600	00
B	Sides and soffit of dome cap	879	m2	3,900.00	3,428,100	00
C	Sides of beams & dome seams	283	m2	2,850.00	806,550	00
D	Sides and soffit of roof slab	321	m2	2,850.00	914,850	00
	G10: Structural steel framing					
	Framing, fabrication of structural steel members					
E	150 x 50 x 2.50mm Z-Purlins	3.520	t	907,206.95	3,193,368	46
F	75 x75 x 5mm thick double angle iron top/bottom cord	3.740	t	780,255.00	2,918,153	20
G	60 x 60 x 5mm thick double angle iron bracing	3.730	t	780,255.00	2,910,351	15
H	16mm diametre high tensile steel bracings	1.798	t	845,000.00	1,519,310	00
J	230 x 180x 6mm base plate	24	Nr	2,035.00	48,840	00
K	125 x 75 x 6mm bolted cleats	264	Nr	1,200.00	316,800	00
L	Holding down assemblies, comprising 16mm diametre, 300mm long bolt including nut/washer	120	Nr	1,250.00	150,000	00
M	Holding down assemblies, comprising 12mm diametre black bolt including nut/washer	528	Nr	650.00	343,200	00
	Framing, erection of structural steel members					
N	Permanent erection on site	12.788	t	82,430.50	1,054,121	23
	To Collection				18,333,244	55

	PARAPET				
A	230mm thick R.C parapet wall to Engineer' specification	84	m2	13,294.00	1,116,696.00
B	50mm thick concrete coping tapered to fall and throating	110	m2	3,800.00	418,000.00
	FELTING				
	Single layer 3 or 4mm thick scudoplast waterproofing membrane as roof covering obtained from STRUCTEC Limited or other approved manufacturer touch bonded at cement and sand floated bed (Measured seperately) primed with MC1 primer in all accordance with manufacter's printed instruction				
C	water proof memebrane	320	m2	7,750.00	2,480,000.00
D	gloss 200mm center to center round the roof facial	280	m	3,000.00	840,000.00
	To Collection				4,854,696.00

COLLECTION

Page 2/10 — 17,151,400.00

Page 2/11 — 18,333,244.55

Page 2/12 — 4,854,696.00

ROOFING AND COVERING
Carried To Summary — 40,339,340.55

	EXTERNAL AND INTERNAL WALLS					
	IN-SITU CONCRETE					
	INFORMATION					
	Nature and location of the work					
	The work in this section comprises (i) The erection of hollow sandrete blockwalls and associated works. (ii) The Contractor is however referred to Architect's and Structural Engineer's drawings for details and scope of the work					
	E10:MIXING/CASTING/CURING/IN-SITU					
	Reinforced in-situ conrete; B.S.5328, designed mix C25, 18 aggregate, minimum cement content 304 kg/m3; vibrated					
A	Lintels	14	m3	57,800.00	809,200	00
	(E30) REINFORCEMENT FOR IN-SITU CONCRETE					
	high yield steel (Provisional)					
B	16mm -10mm diameter bar in lintel	2.8	Tons	670,000.00	1,876,000	00
	(E20) FORMWORK FOR IN-SITU CONCRETE					
	Formwork and basic finish					
C	Sides and soffit of lintel	175	m2	2,850.00	498,750	00
	To Collection				₦2,183,950	00

MASONRY

F10: BRICK/BLOCK WALLING

Superior quality hollow sandcrete blockwall bedded and jointed in cement sand mortar (1:6)

A	Wall 225mm thick	1,656	m2	5,900.00	9,770,400.00
B	Wall 150mm thick	286	m2	4,750.00	1,358,500.00

To Collection 11,128,900.00

COLLECTION

Page 2/13 3,183,950.00

Page 2/14 11,128,900.00

EXTERNAL AND INTERNAL WALLS

Carried To Summary 14,312,850.00

ALUMINIUM WINDOWS

INFORMATION

Nature and location of the work

The work in this section comprises

(i) Aluminium windows and associated works

General information applicable to all windows

White coated aluminium framed NIGALEX sliding window complete with frame and sub-frame used with 2 piece 9mm thick clear fixed glass panel, and 2 pieces of sliding carrier lever handles and all fixing accessories and locks from approved manufacturer as specified by the Architect. Each window openings also with sliding mosquito net

A	Size 2000mm x 1200mm high	10	Nr	134,400.00	1,344,000	00
B	Size 2700 x 1200mm high	12	Nr	181,440.00	2,177,280	00
C	Size 900 x 1200mm high	4	Nr	60,480.00	241,920	00
D	Size 1800 x 1200mm high	4	Nr	120,960.00	483,840	00
E	Size 900 x 600mm high	8	Nr	40,320.00	322,560	00
F	Size 600 x 600mm high	12	Nr	35,840.00	430,080	00
G	Size 2400 x 1200mm high	4	Nr	161,280.00	645,120	00
H	Size 3000 x 1200mm high	3	Nr	201,600.00	604,800	00
	Curtain walling					
J	Curtain walling externally	137	m2	27,000.00	3,699,000	00
	To Collection				9,948,600	00

ANTI BUGLAR GRILLES

Supply and fix approved pattern 25mm hollow square pipe welded as vertical and horizontal members at 100mm centres, including 25mm hollow square pipe frame and fixed to blockor concrete wall to Architect's specified details

A	Size 2000mm x 1200mm high	10	Nr	60,000-00	600,000	00
B	Size 2700 x 1200mm high	12	Nr	81,000-00	972,000	00
C	Size 900 x 1200mm high	4	Nr	27,000-00	108,000	00
D	Size 1800 x 1200mm high	4	Nr	54,000-00	216,000	00
E	Size 900 x 600mm high	8	Nr	18,000-00	144,000	00
F	Size 600 x 600mm high	12	Nr	18,000-00	216,000	00
G	Size 2400 x 1200mm high	4	Nr	72,000-00	288,000	00
H	Size 3000 x 1200mm high	3	Nr	90,000-00	270,000	00

To Collection 2,814,000 00

COLLECTION

Page 2/15 9,948,600 00

Page 2/16 2,814,000 00

ALUMINIUM WINDOWS
Carried To Summary 12,762,600 00

DOORS AND IRONMONGERY

INFORMATION

Nature and location of the work
The work in this section comprises
(i) Hardwood timber doors, Aluminium doors, ironmongery and associated works.

L20 Doors /Shutters/Hatches

High quality 45mm thick painted hardcore DOUBLE swing door covered with 6mm thick veneer plywood with 22mm x 38mmhardcore complete with frame and set of manilux ironmongery with washers according to BS7352-6. Rates for doors shall be deemed to include same

A	Size 3000 x 2100mm high	4	Nr	350,000.00	1,400,000 00
B	Size 1810 x 2100mm high	9	Nr	298,500.00	2,686,500 00

High quality 45mm thick painted hardcore SINGLE swing FLUSH door covered on both sides with 6mm thick veneer plywood with 22mm x 38mmhardcore complete with frame and set of manilux ironmongery with washers according to BS7352-6. Rates for doors shall be deemed to include same

C	Size 1500 x 2100mm high	3	Nr	162,000.00	486,000 00
D	Size 900 x 2100mm high	19	Nr	110,000.00	2,090,000 00
E	Size 750 x 2100mm high	12	Nr	110,000.00	1,320,000 00
F	Size 750 x 1800mm high	2	Nr	110,000.00	220,000 00

To Collection 8,202,500 00

	High quality 45mm thick ALUMINIUM DOUBLE swing door covered with 2286mm x 342mm glass-panel complete with frame and set of manilux ironmongery with washers according to BS7352-6. Rates for doors shall be deemed to include same				
A	Size 3770 x 3000mm high	1	Nr	450,000.00	450,000 00
	To Collection				450,000 00
	COLLECTION				
	Page 2/17				8,202,500 00
	Page 2/18				450,000 00
	DOORS AND IRONMONGERY Carried To Summary				8,652,500 00

WALL FINISHINGS

Internally and Externallly

Insitu Finishings

M20: 12mm smooth cement and sand [1:4] render as on;

A	Walls	3,312	m2	2,000-00	6,624,000	00
B	Column	347	m2	2,500-00	867,500	00
C	Beams	283	m2	2,500-00	707,500	00
D	Surface exceeding 200mm but not exceeding 300mm	727	m	750-00	545,250	00
E	canopy entrance	24	m2	2,000-00	48,000	00
F	Edge of the canopy entrance	25	m	750-00	18,750	00

M60: PAINTING AND DECORATING

Prepare and apply three coats High quality MEYER Emulsion on rendered surfaces.

G	Walls	2,056	m2	1,300-00	2,672,800	00
H	Column	347	m2	1,300-00	451,100	00
J	Beams	283	m2	1,300-00	367,900	00
K	canopy entrance	24	m2	1,300-00	31,200	00
L	Edge of the canopy entrance	25	m	400-00	10,000	00
M	Surface exceeding 200mm but not exceeding 300mm	727	m	400-00	290,800	00

To Collection 12,634,800 00

	High quality vitrified tiles 300 x 150 x 6mm laid to an approved pattern; bedded and grouted in cement mortar (1:4) on:				
A	Walls (Toilet)	160	m2	6,800-00	1,088,000-00
	Beds and Backings (M10 and M20 Generally) 12mm screeded bed to receive ceramic tiles on:				
B	Walls	160	m2	1,900-00	304,000-00
	ALUMINIUM CLADDINGS				
C	Perforated Aluminium composite cladding including rail anchor and rails with fixed bracket and all required accessories	1064	m2	25,000-00	26,600,000-00
	To Collection				27,992,000-00
	COLLECTION				
	PG/ 19				12,634,800-00
	PG/ 20				27,992,000-00
	WALL FINISHINGS Carried To Summary				40,626,800-00

FLOOR FINISHINGS

SURFACE FINISHES

INFORMATION

Nature and location of the work

The work in this section comprises

(i) Floor finishings and other associated works

(ii) The Contractor is however referred to various Architect's location drawings and schedule of finishing in relation to this section for the nature and content of the work to be executed.

M40: STONE/CONCRETE/QUARRY/CERAMIC TILING/ MOSAIC

High quality VITRIFIED ceramic tiles 400 x 400 x 10mm laid to an approved pattern; bedded and grouted in cement mortar (1:4) on:

A	Floors generally	1,557	m2	8200-00	12,767,400	00
B	Skirting 100mm thick	939	m	1,850-00	1,737,150	00

Beds and Backings (M10 and M20 Generally)

30mm screeded bed to receive ceramic tiles on:

C	Floors	1,557	m2	2,950-00	4,593,150	00

High quality vitrified tiles 300 x 150 x 6mm laid to an approved pattern; bedded and grouted in cement mortar (1:4) on:

D	Floor (Toilet)					
	Beds and Backings (M10 and M20 Generally)	230	m2	8,200-00	1,886,000	00

12mm screeded bed to receive ceramic tiles on:

E	Walls	366	m2	1,900-00	695,400	00

FLOOR FINISHINGS

Carried To Summary

2,629,100 00

	CEILING FINISHES					
	Internally and Externally					
	K10: FLEXIBLE SHEET FINISHINGS					
	Insitu Finishings					
	M20: 12mm smooth cement and sand [1:4] render as on;					
A	Soffits of suspended slab	637	m2	1,900-00	1,210,300	00
	M60: PAINTING AND DECORATING					
	Prepare and apply three coats High quality MEYER Emulsion on rendered surfaces.					
B	Soffits of suspended slab	637	m2	1,300-00	828,100	00
	CEILING FINISHINGS Carried To Summary				2,038,400	00
	SUMMARY					
	WALL FINISHINGS				40,626,800	00
	FLOOR FINISHINGS				21,679,100	00
	CEILING FINISHINGS				2,038,400	00
	WALL, FLOOR & CEILING FINISHINGS TO SUMMARY				64,344,300	00

	ELEMENT N. 10 MECHANICAL INSTALLATIONS				
	P30: Trenches/Pipeways/Pits for buried Engineering services				
A	Excavating trenches for services 500mm nominal size; 500mm average depth from 150mm below existing ground level;backfilling with selected excavated materials; disposal of surplus excavated materials	218	m	650.00	141,700 00
	Y10: Pipelines				
	Straight "Tiger" UPVC pipe to BS 425 in chases/ trenches/floor screeds				
B	50mm Diameter	146	m	1,950.00	284,700 00
C	32mm Diameter	162	m	1,780.00	288,360 00
D	25mm Diameter	247	m	1,700.00	419,900 00
E	13mm Diameter	168	m	1,550.00	260,400 00
	Extra over "Tiger" UPVC pipes; fittings, not exceeding 65mm diameter				
F	20mm diametre gate valves	89	Nr	1,720.00	153,080 00
G	50mm diametre elbow	74	Nr	1,650.00	122,100 00
H	32 x 25mm diametre reducer	49	Nr	1,800.00	88,200 00
J	25mm diametre elbows	68	Nr	1,800.00	122,400 00
K	25mm diametre equal tees	67	Nr	1,800.00	120,600 00
L	25 x 15mm diametre reducer	62	Nr	1,800.00	111,600 00
M	25mm diametre union connector	71	Nr	2,300.00	163,300 00
					2,226,340 00

TO COLLECTON

A	20mm diametre elbows	98	Nr	685-00	67,150	00
B	20mm diametre equal tees	87	Nr	685-00	59,595	00
C	20mm diametre flexible connector	70	Nr	1,500-00	105,000	00
D	20mm diametre union connector	80	Nr	850-00	68,000	00
E	20mm diametre angle valve	78	Nr	850-00	66,300	00
	Straight "Niger" UPVC waste/storm water pipes in chases/trenches/floor screeds					
F	100mm Diameter	278	m	950-00	264,100	00
	Extra over "Niger" UPVC pipes; fittings, exceeding 65mm diameter					
G	100mm diametre UPVC bend	40	Nr	600-00	24,000	00
H	100mm diametre UPVC pan connector	20	Nr	1,500-00	30,000	00
J	100mm diametre UPVC tee	26	Nr	600-00	15,600	00
K	100mm diametre UPVC vent cowl	8	Nr	1,500-00	12,000	00
	Y11: Pipework ancillaries					
L	100mm diametre plastic adjustable Fulbora of vertical spigot rain outlet with hook bolt damping device and grating set grout to concrete floor and jointing to rain water pipe	13	Nr	12,500-00	162,500	00
	Y11: Pipework ancillaries					
M	Traps; 50mm diameter UPVC floor drains grouted to floor bed	36	Nr	950-00	34,200	00
	TO COLLECTON				908,425	00

	Y25: General pipeline equipment				
	Equipment; supply, install and connect up pipeline equipment complete with all necessary accessories for complete installation				
A	White vitreous china 'Twyford' or other equal and approved WC comprising 9 litres overhead cistern tank with plastic fittings and chrome plated flushed handle with chain and PVC flush pipe with coupling.	12	Nr	65,000.00	780,000.00
B	'Twyford" wash hand basin (Oval/Rectangular) complete with pedestral and accessories screwed to wall	12	Nr	38,500.00	462,000.00
C	Urinals	12	Nr	29,800.00	357,600.00
D	Vortic" automatic hand drier complete with accessories	4	Nr	40,000.00	160,000.00
E	50mm floor drains	20	Nr	1,500.00	30,000.00
	Toilet Accessories				
F	Semi recessed stainless steel 150 x 150mm toilet roll holder	18	Nr	3,000.00	54,000.00
G	Stainless steel Soap dish	12	Nr	3,000.00	36,000.00
H	Stainless steel towel holder	12	Nr	5,600.00	67,200.00
J	"Pikington" Toilet Wall Mirror size 600 x 900mm high	18	Nr	5,000.00	90,000.00
K	Wall mounted Xpeliar or equal approved extractor Fan 250m3 per hour air extract capacity	24	Nr	25,000.00	600,000.00
	TO COLLECTON				2,636,800.00

	S70: Gas fire fighting				
A	9kg FE-ABC dry chemical powder "**Angus**" fire extinguisher to BS 1382 complete with wall bracket mounted on wall **Ventilation and Airconditioning System** **U60: Air-conditioning Unit**	9	Nr	25,000.00	225,000 00
B	9,000 BTU/H split unit high wall mounted air-conditioners complete with indoor blower unit, outdoor condensing unit, adjustable directional discharge and deflections, fully protected against voltage flunctuation of quite and drip free operation , supply and return refridgerant copper pipping with associated drainage hose etc. (LG or approved equal)	8	Nr	378,000.00	3,024,000 00
C	18,000 BTU/H split unit high wall mounted air-conditioners complete with indoor blower unit, outdoor condensing unit, adjustable directional discharge and deflections, fully protected against voltage flunctuation of quite and drip free operation , supply and return refridgerant copper pipping with associated drainage hose etc. (LG or approved equal)	3	Nr	495,000.00	1,485,00 00
D	24,000 BTU/H split unit high wall mounted air-conditioners complete with indoor blower unit, outdoor condensing unit, adjustable directional discharge and deflections, fully protected against voltage flunctuation of quite and drip free operation , supply and return refridgerant copper pipping with associated drainage hose etc. (LG or approved equal)	22	Nr	675,000.00	14,850,000 00
	TO COLLECTON				19,584,000 00

	AIR-CONDITIONING SYSTEMS				
	Complete with all installation accessories				
	Refrigerant Pipes				
	Annealed copper tubes in coils to BS 2871 Table Y for connection by means of autogenous welding				
A	12mm Internal Diameter	84	m	3,500.00	294,000.00
B	6mm Internal Diameter	61	m	3,500.00	213,500.00
	Accessories				
C	12mm Internal Diameter Insulation Tube (16mm Thick)	84	m	800.00	67,200.00
D	10mm Internal Diameter Insulation Tube (9mm Thick)	84	m	800.00	67,200.00
E	2.5mmsq. 3-core PVC cable	84	m	1,250.00	105,000.00
F	75mm Diameter PVC pipe Sleeve	84	m	1,650.00	138,600.00
G	75mm PVC Bend (135 degree)	56	m	750.00	42,000.00
	Condensate Pipework				
H	13mm Diameter PVC pipe	84	m	750.00	63,000.00
J	13mm PVC Bend	56	Nr	300.00	16,800.00
K	25 x 25 x 25mm Equal Tee	32	Nr	300.00	9,600.00
L	Builders work which includes chisling		Lot		50,000.00
				TO COLLECTION	1,066,900.00

	Builder's works				
A	Allow a provisional sum of N150,000.00 for builder's works in connection with all works this section		Sum		150,000.00
	GROUND/OVERHEAD WATER TANK				
B	Ground BRAITHWAITE steel tank 4000 x 2000 x 1000mm deep 8,000ltrs capacity	1	Nr	9,576,000.00	9,576,000.00
C	0.5HP @1.1ltrs/sec Cold and Hot water booster pump complete with float switch, electrical cables, valves, pressure vessel and all installation accessories	2	Nr	450,000.00	900,000.00
D	Elevated BRAITHWAITE steel tank 2000 x 2000 x 1000mm deep 4,000ltrs capacity on 10m stanchion	1	Nr	13,500,000.00	13,500,000.00
E	Allow for Builders works in connection with this installation		Item		250,000.00
	TO COLLECTON				24,376,000.00
	COLLECTION				
	PG/ 23				2,276,340.00
	PG/ 24				908,425.00
	PG/ 25				2,636,800.00
	PG/ 26				19,584,000.00
	PG/ 27				1,066,900.00
	PG/ 28				24,376,000.00
	MECHANICAL INSTALLATION CARRIED TO SUMMARY 2/28				50,848,465.00

ELEMENT N. 11 ELECTRICAL INSTALLATIONS

SWITCHES

Accessories

Accessories; Lighting switches; as specified rate to include galvanised steel knock-out boxes set in mortices in wall;

Supply and fix the following flush switches

A	5A, 1 Gang, 1 way SP switch	71	Nr	1,000-00	71,000 00
B	5A, 2 Gang, 1 way SP switch	54	Nr	1,200-00	64,800 00
C	5A, 1 Gang, 2 ways SP switch	36	Nr	1,200-00	43,200 00
D	5A, 3 Gang, 1 Way SP switch	54	Nr	1,500-00	81,000 00

SWITCHES TO SUMMARY 260,000 00

	EQUIPMENT				
	Main Isolating switch (ABB)				
	Distribution Boards (ABB)				
A	30 A, 6 way TP &N MCB distrubuition board c/w 100A isolating switch, comprising 3nr 10A, 7nr 20A, 2nr 30A, 1 nr 45A and 4 nr spare	1	Nr	175,000-00	175,000 00
B	45A TP&N ELCB	4	Nr	65,000-00	260,000 00
C	150A 4P&N Low Voltage panel with 150A MCCB complying to Engineer's details	1	Nr	98,000-00	98,000 00
	Y61: HV/LV cable and wiring				
D	Allow a provisional sum of N5,500,000.00 for supply and installation of Nigerian copper cable drawn into conduit or ducts or laid down into trunking or laid in trenches including cable loops, terminations, glands and all other accessories		Sum		5,500,000 00
E	Conduit and cable trunking as may be applicable with power layout design drawing, rate include circular boxes, steel knock-out boxes, screws, bushings, lock-nuts etc		Sum		1,000,000 00
	EQUIPMENTS TO SUMMARY				7,033,000 00

	LIGHTENING AND POWER POINTS				
	Accessories for general power installations.				
	Accessories; Lighting switches as specifies rate to include gavalnized steel knock-out boxes ste in mortces in wall;				
A	12-40W recessed panel light fitting	151	Nr	6,000.00	906,000.00
B	12-40W surface panel light fitting	53	Nr	6,000.00	318,000.00
C	40w compact LED recessed luminaries complete	22	Nr	6,000.00	132,000.00
D	Wall mounted external light corrosion resistant diecast *Aluminium body and frame IP66,100W metal handle lamp* medium beam, similar to SBP TYCO 20M	12	Nr	15,000.00	180,000.00
E	2W staircase lights	6	Nr	8,500.00	51,000.00
F	125W External lighting on 3M pole stand	13	Nr	17,500.00	227,500.00
	TO COLLECTION				1,814,500.00

	POWER POINTS (CONT'D)				
A	13A, 3-gang 1 way SP switched socket outlet	50	Nr	1,000.00	50,000 00
B	13A, 2-gang SP 220V switched socket outlet wall recessed @ low level (British)	85	Nr	1,000.00	85,000 00
C	15A, DP 220V Airconditioner unswitch socket outlet	33	Nr	2,500.00	82,500 00
D	Television socket outlet	28	Nr	1,000.00	28,000 00
E	Telephone Outlets	28	Nr	1,000.00	28,000 00
	TO COLLECTION				273,500 00
	COLLECTION				
	PG/ 31				1,814,500 00
	PG/ 32				273,500 00
	POWER POINT TO SUMMARY				2,088,000 00

A	**EARTHING/ LIGHTING PROTECTION**				
I	1800mm x 4mm diameter copper earth rod	1	No	35,000-00	35,000 00
II	Inspection chambers for main earthing and LPS; lightweight inspection pit PT205	1	No	20,000-00	20,000 00
III	900mm x 900mm x 6mm copper eath bar complete with disconnection link for the lightening protection system for extraneous conductors	1	No	25,000-00	25,000 00
IV	Bond all extraneous conductors such as water pipes, handrails, air conditioning units, metal clading, DSTV Dish, metal roof in the vicinity of the lightening Protection System to the LPS earthing system using 1 core x 16mm2 PVC insulated copper cable and bond all extraneous conductors, such as diesel tank, etc in the vicinity of the main Earthing Network to the Men using 1core x 16mm2 PVC insulated copper cable		Sum		250,000 00
V	Miscellaneous and earthing accessories to include couplers, clamps, earth wells, etc all to achive R ≤1 Ohms		Lot		150,000 00
B	**LIGHTENING PROTECTION SYSTEM**				
I	Lightening protection system to include oblong joint, pvc sassles/clip, galvanized clips, testing and accessories		Lot		250,000 00
	EARTHING TO SUMMARY				730,000 00

SUMMARY

SWITCHES	260,000	00
EQUIPMENT	7,033,000	00
POWER POINTS	2,088,000	00
EARTHING	730,000	00
ELECTRICAL INSTALLATION CARRIED TO SUMMARY	10,111,000	00

	ELEMENT N. 12 GENERAL FIXTURES/ FURNISHING/ EQUIPMENT			
	WOODWORK			
	Supply and Installation veneer corvered 3.25" MDF with chrome Hollow pipe rails wardrobe as specified in drawing/as directed by Architect			
A	Laboratory cabinets including chairs/stools and sink in accordance to Architects direction	Sum		14,350,000 00
	FIXTURES AND FITTINGS TO SUMMARY			14,350,000 00

INTEGRATED ENGINEERING PROJECTS LIMITED
Builders & Constructing Contractor

SUMMARY

A	SUBSTRUCTURE	41,895,000.00
B	FRAMES	21,150,050.00
C	STAIRCASES	~~15,554,000.00~~ 15,553,450
D	WALLS	14,312,850.00
E	ROOF AND ROOF COVERING	40,339,340.55
F	WINDOWS	12,762,600.00
G	DOORS	8,652,500.00
H	FLOOR, WALL AND CEILING FINISHING	64,344,300.00
J	MECHANICAL INSTALLATION	50,848,465.00
K	ELECTRICAL INSTALLATION	10,111,000.00
L	FIXTURES AND FITTINGS	14,350,000.00
	TOTAL	~~294,320105.55~~ 294,319,505.55

INTEGRATED ENGINEERING PROJECTS LIMITED
Building & Constructing Contractor

S/NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SEWAGE				
A	Manhole size 1200 x1200 x 1000mm deep internally consisiting of 150mm reinforced concrete(1:2:4-19mm aggregate bottom and sides with and including B.R.C Ref.65 and 75mm precast concrete cover slab size 1050 x 1050 reinforced with and including benching up to e.m.l and form all main and branch channel including all excavation	4	Nr	45,000.00	180,000 00
B	Soakaway pit size 2500 x 2500 x 20000mm deep, sides consisting of 230mm sandcrete hollow blockwalling laid honeycomb and 150mm reinforced concrete (1:2:4-20mm aggregate) cover inside filled with bronken stone and rubble 75-12mm diameter including all necessary reinforcement, formwork and excavation etc	1	Nr	545,000.00	545,000 00
C	Septic tank size 3600 x 2400 x 1800mm deep internally of 150mm reinforced concrete (1:2:4-20mm aggregate sides and 225mm reinforced concrete bottom laid to fall with 50mm baffle board reinforced with and including 10 guage e.m.l. 150mm reinforced concrete cover slab including all necessary reinforcement, formwork and excavation etc	1	Nr	765,000.00	765,000 00
	To Collection				1,490,000 00

INTEGRATED ENGINEERING PROJECTS LIMITED
Building & Constructing Contractor

	INTERLOCKING PAVING AND KERBS				
A	Excavate shallow trench for kerb foundations, part backfill and compact, remove surplus excavated materials from site.	170	m	650·00	110,500 00
B	75 x 225mm PRECAST concrete half battered KERB bedded and pointed in cement and sand mortar on and including 225 x 100mm plain insitu concrete foundation, haunched both sides 100mm high with similar concrete including any necessary formwork.	170	m	4,850·00	824,500 00
C	Rectangular INTERLOCKING paving stones laid in CARPARK with precast concrete kerb	1,632	m2	7,200·00	11,750,400 00
	GRASSING				
D	Import and Spread loamy soil for grassing with Plant, Culture and Trim PORT HARCOURT GRASS	825	m2	4,500·00	3,712,500 00
	To Collection				16,397,900 00

SUMMARY

PG/ 01 1,490,000 00

PG/ 02 16,397,900 00

EXTERNAL WORKS
Carried To General Summary 17,887,900 00

INTEGRATED ENGINEERING PROJECTS LIMITED
Building & Constructing Contractors

BILL NO 4
ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN (ESMP

S/NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT	
	ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN (ESMP) IMPLEMENTATION					
	ESMP Expectation Items / Responsibilities					
A	**Mitigation;** Contractor/ Supervising Consultant/PCU Safeguards Unit		item		4,200,000	00
B	**Monitoring;** PCU M& E Unit/ Safeguards Unit		item		350,000	00
C	**Capacity Building;** Lead Contractor/ Engineering Consultant/ HSE-OHS Consultant/SPCU Safeguards Unit		item		600,000	00
	Grievance Redress Mechanism; PCU Social Safeguards Officer		item		200,000	00
C	**Consultations;** PCU Social Safeguards Unit		item		300,000	00
C	**Disclosure;** PCU/State MoEnv. /FMEnv/W-Bank		item		900,000	00
	Sub-Total				6,550,000	00
C	**Contingency (10% of Sub-total)**				655,000	00
	ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN (ESMP) IMPLEMENTATION Carried To General Summary			=N=	7,205,000	00

INTEGRATED ENGINEERING PROJECTS LIMITED Building & Construction Contractor

	PRELIMINARIES			7,660,000.00
	MAIN BUILDING			~~294,380,105.55~~ 294,319,505.55
	EXTERNAL WORKS			17,887,900.00
	ENVIRONMENT AND SOCIAL MANAGEMENT PLAN			7,205,000.00
	SUB-TOTAL			~~327,073,005.55~~ 327,072,405.55
	ADD/			
	CONTIGENCIES(To be omitted in part or full if not utilised)			3,500,000.00
	TOTAL			~~330,573,005.55~~ 330,572,405.55
	VAT 7.5%			~~24,792,975.42~~ 24,792,930.41
	GRAND TOTAL			~~355,365,980.96~~

INTEGRATED ENGINEERING PROJECTS LIMITED
Building & Constructing Contractor

CONTRACT

BETWEEN

UNIVERSITY OF LAGOS, NIGERIA

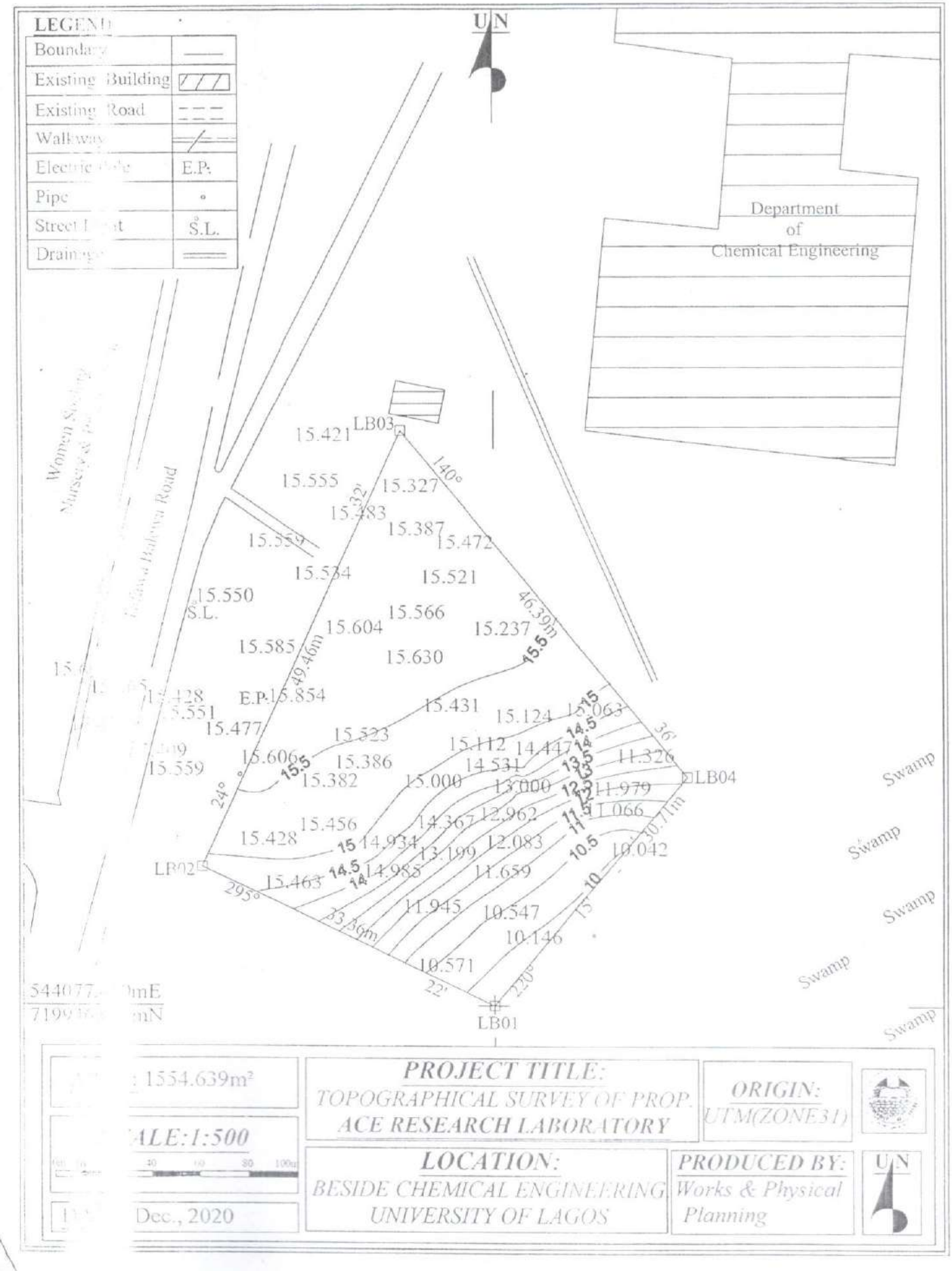
AND

INTEGRATED ENGINEERING PROJECTS LIMITED

FOR THE CONSTRUCTION OF ACEDHARS CENTRE BUILDING IN THE UNIVERSITY OF LAGOS

SURVEY PLAN AND ARCHITECTURAL DRAWINGS

ANNEXURE D


LEGEND
Boundary
Existing Building
Existing Road
Walkway
Electric Pole
E.P.
Pipe
Street Light
S.L.
Drainage
UN
Department of Chemical Engineering
Women Society Nursery and Primary School
Ijaiye Ojokoro Road
LB03
LB04
LB02
LB01
15.421
15.555
15.327
15.332
15.283
15.387
15.472
15.559
15.534
15.521
15.550
S.L.
15.566
15.604
15.237
15.585
15.630
46.39m
49.46m
15.5
E.P.
15.854
15.428
15.551
15.431
15.124
15.063
15.477
15.523
15.112
14.447
14.5
14
36°
15.606
15.386
14.531
11.326
15.559
15.382
15.000
13.000
11.979
24°
15.456
14.367
12.962
11.066
15.428
15
14.934
13.199
12.083
10.042
30.71m
14.5
14
14.985
11.659
15.463
295°
11.945
10.547
33.56m
10.146
10.571
22°
220°
Swamp
Swamp
Swamp
Swamp
Swamp
544077.0mE
7199[illegible]mN
: 1554.639m²
ALE:1:500
Dec., 2020
PROJECT TITLE:
TOPOGRAPHICAL SURVEY OF PROP. ACE RESEARCH LABORATORY
ORIGIN:
UTM(ZONE31)
LOCATION:
BESIDE CHEMICAL ENGINEERING UNIVERSITY OF LAGOS
PRODUCED BY:
Works & Physical Planning
UN

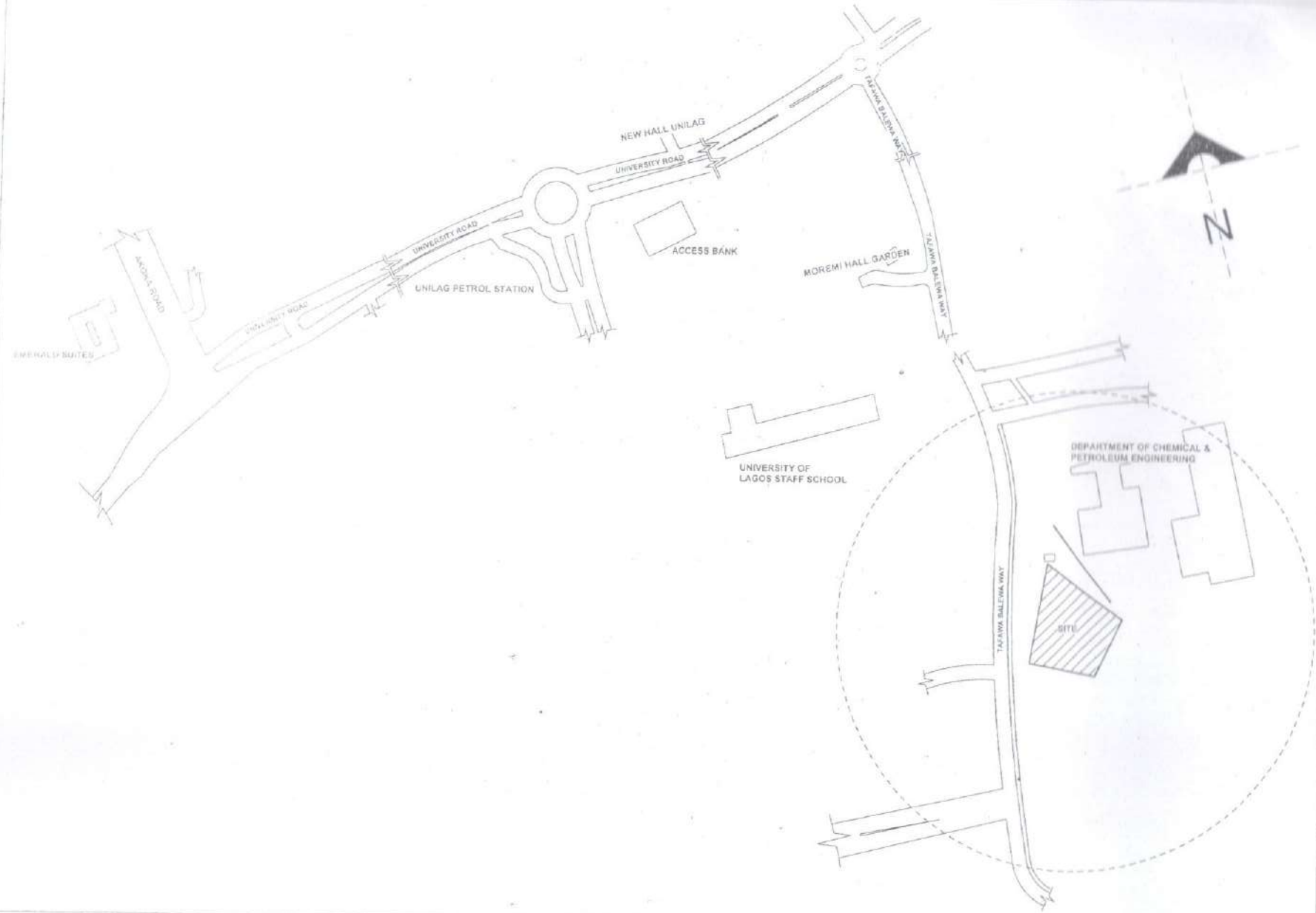
PROPOSED CONSTRUCTION
OF
AFRICAN CENTRE OF EXCELLENCE FOR DRUGS RESEARCH, HERBAL MEDICINE DEVELOPMENT AND REGULATORY SCIENCE BUILDING
(ACEDHARS)

AT
UNIVERSITY OF LAGOS, YABA, LAGOS STATE WORLD BANK PROJECT

PROJECT MANAGER
NAT & POLAM INTERNATIONAL LIMITED
NO. 36, GRACE COMMUNITY ESTATE, DAWAKI EXTENTION, ABUJA-FACT.
Tel:07033411961

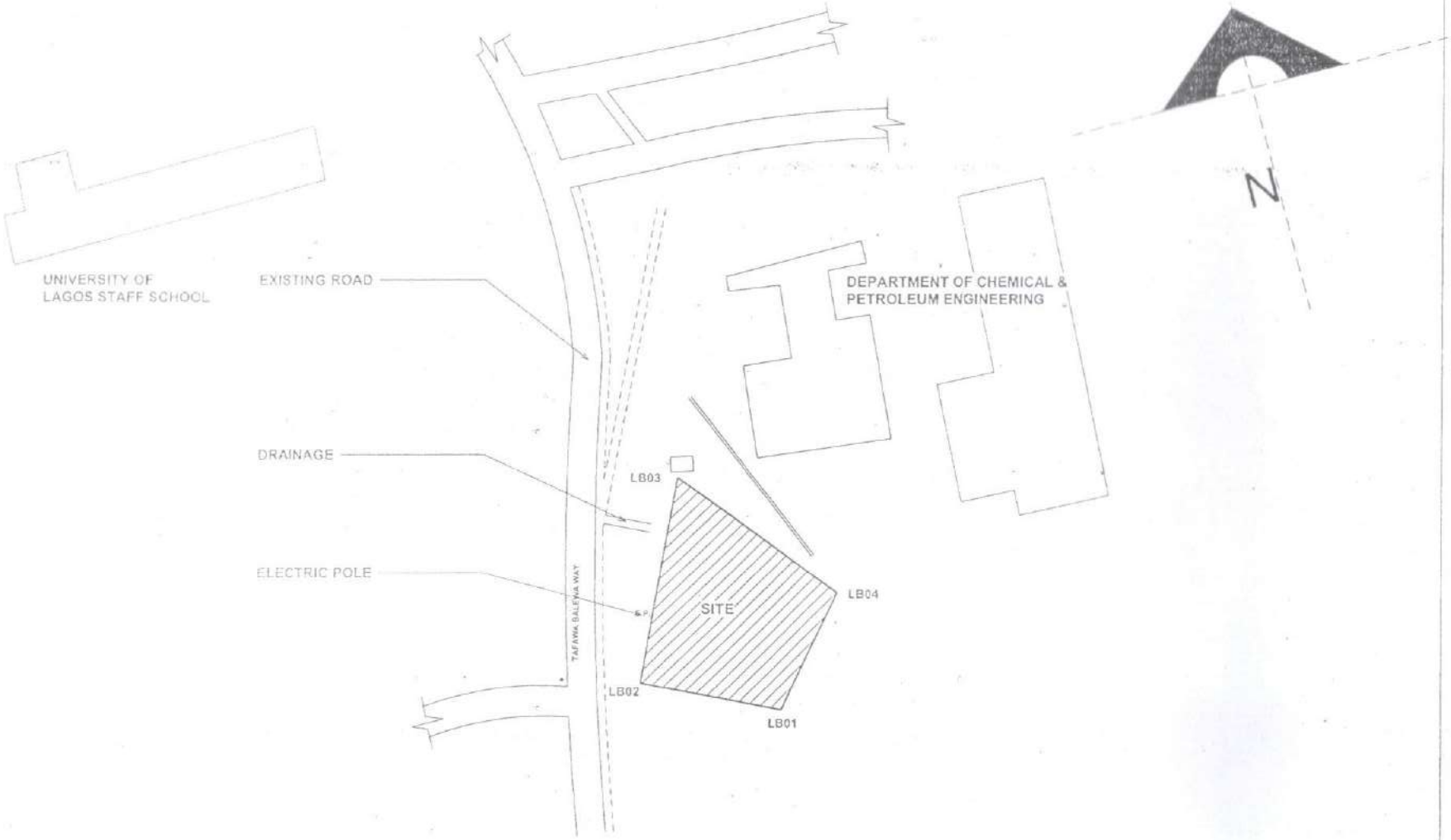
CONSULTANT ARCHITECTS
Arc. Bola Ogunbodede(lead Consult
Arc. Adeyemi Akingbade

AUGUST, 2022



Consultant Architects Arc. Bola Ogunbodede(lead consultant) Arc. Adeyemi Akingbade	Date: JUNE 2021	Project: PROPOSED ACE BUILDING AFRICAN CENTRE OF EXCELLENCE FOR DRUG RESEARCH, HERBAL MEDICINE DEVELOPMENT AND REGULATORY SCIENCE	Drawing Title SITE LOCATION MAP	Sheet no A102	Notes 1. All dimensions are in millimeters. 2. All dimensions are to be checked on site. 3. Any discrepancy between the architectural drawings relevant for construction should be notified before commencement.

ARCHITECTS SEA



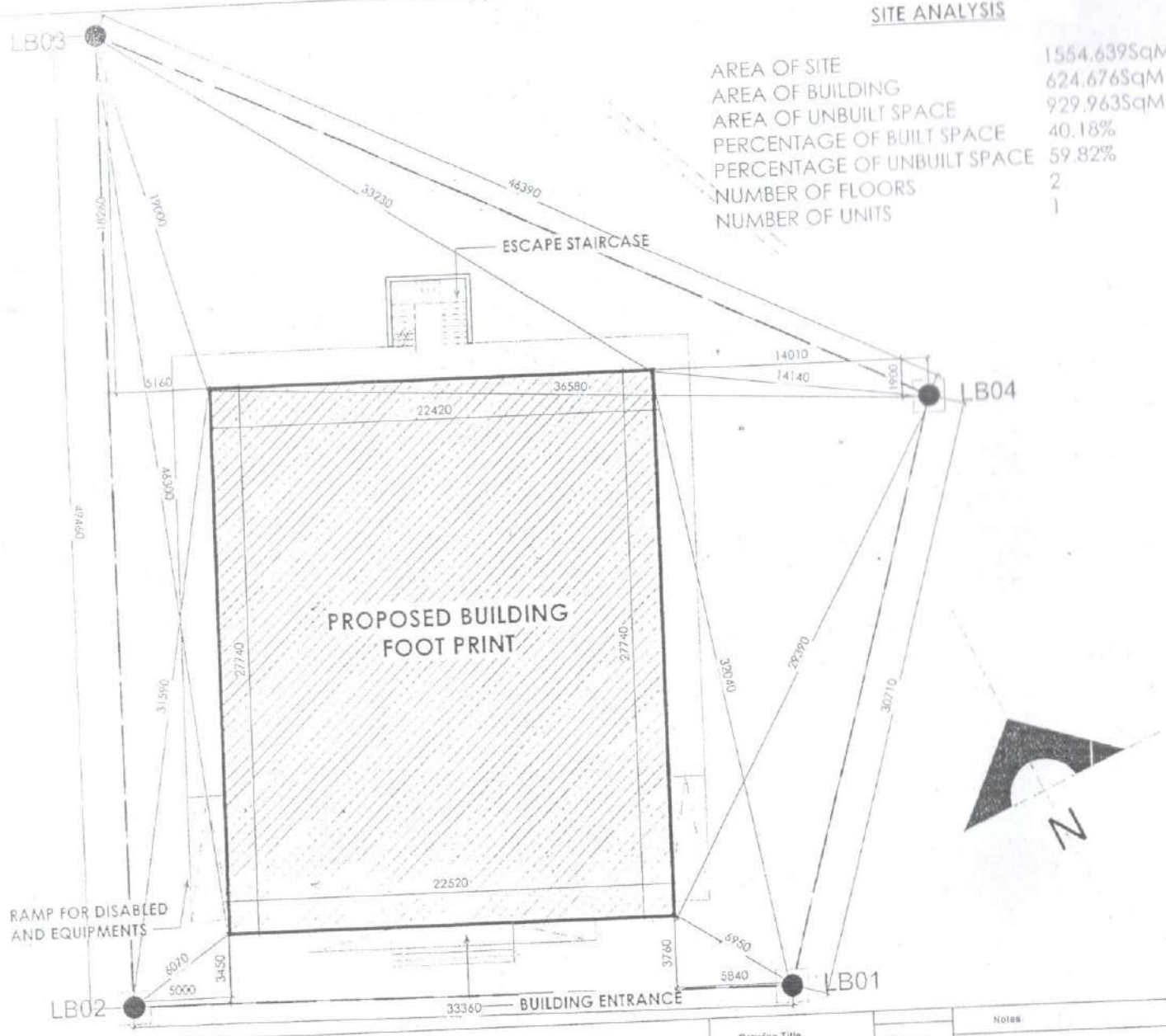
APPROVAL CO

Consultant Architects Arc. Bola Ogunbodede(lead consultant) Arc. Adeyemi Akingbade	Date: JUNE 2021	Project : PROPOSED ACE BUILDING AFRICAN CENTRE OF EXCELLENCE FOR DRUG RESEARCH, HERBAL MEDICINE DEVELOPMENT AND REGULATORY SCIENCE	Drawing Title SITE LAYOUT	Sheet no A103	Notes 1. All dimensions are in millimeters. 2. All dimensions are to be checked on site. 3. Any discrepancy between the architectural drawings relavant for construction should be notified before commencement.	ARCHITECTS SEA

APPROVAL COLUMN

SITE ANALYSIS

AREA OF SITE	1554.639SqM
AREA OF BUILDING	624.676SqM
AREA OF UNBUILT SPACE	929.963SqM
PERCENTAGE OF BUILT SPACE	40.18%
PERCENTAGE OF UNBUILT SPACE	59.82%
NUMBER OF FLOORS	2
NUMBER OF UNITS	1



Consultant Architects

Arc. Bola Ogunbodede(lead consultant)

Arc. Adeyemi Akingbade

Date: JUNE 2021

Project: PROPOSED ACE BUILDING

AFRICAN CENTRE OF EXCELLENCE
FOR DRUG RESEARCH, HERBAL MEDICINE DEVELOPMENT
AND REGULATORY SCIENCE

Drawing Title: SITE PLAN

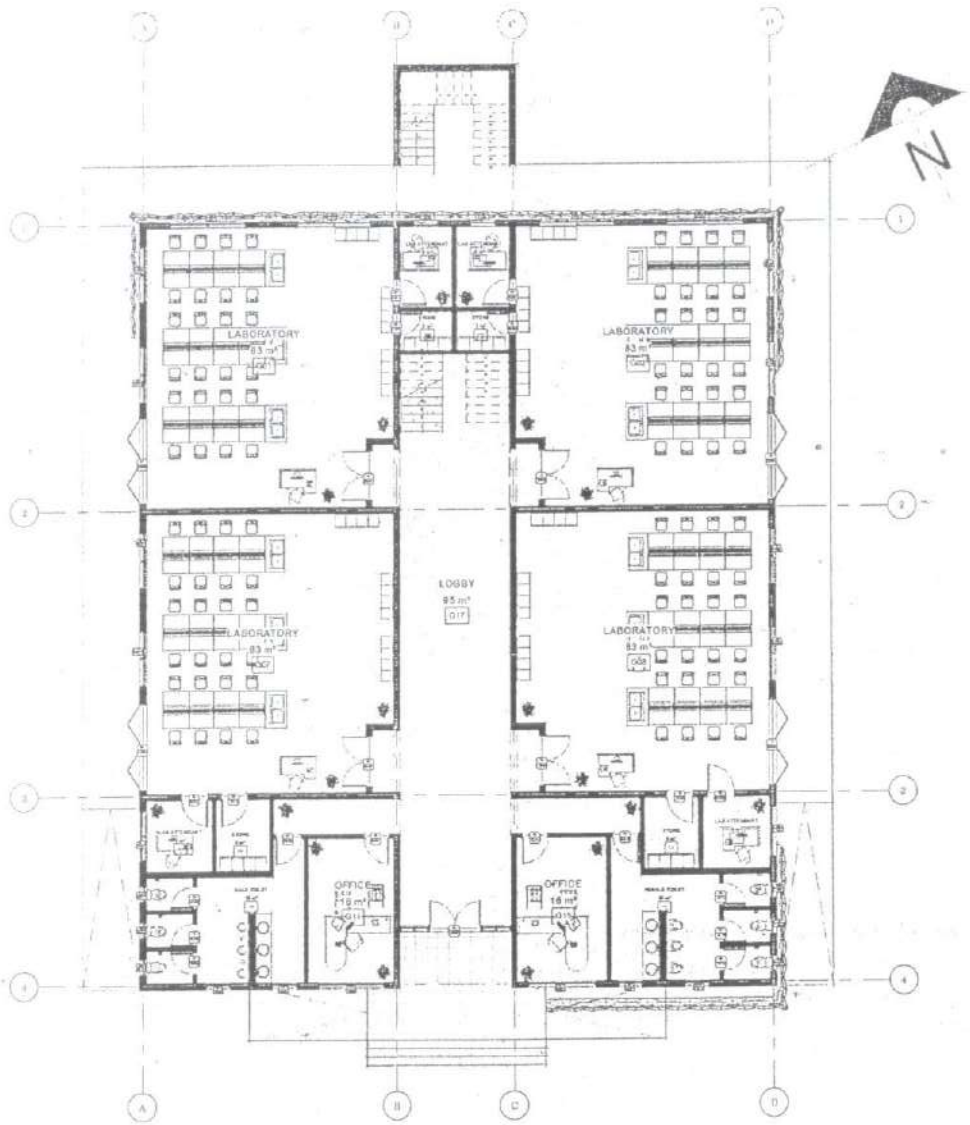
Sheet no: A104

Notes

1. All dimensions are in millimeters.
2. All dimensions are to be checked on site.
3. Any discrepancy between the architectural drawings relevant for construction should be notified before commencement.

ARCHITECTS SE

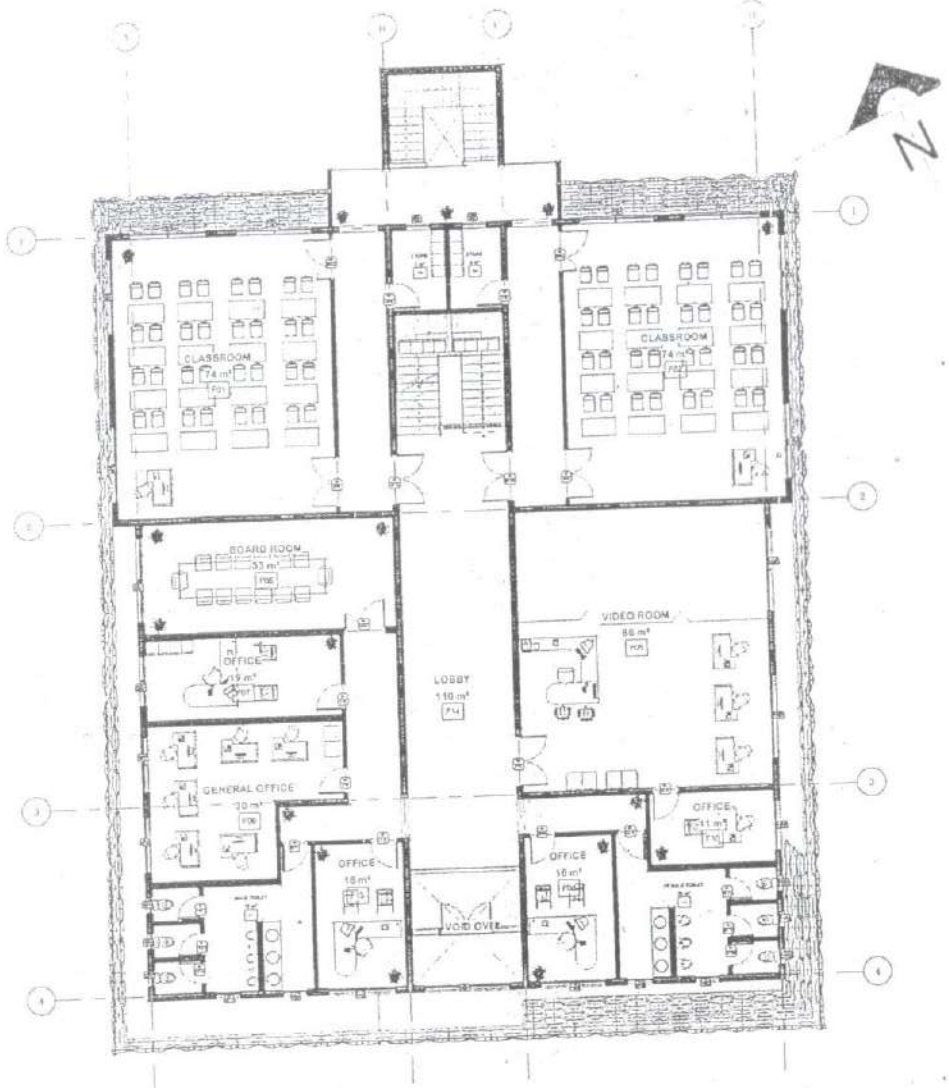
APPROVAL COLUM



Consultant Architects Arc. Bola Ogunbodede(lead consultant) Arc. Adeyemi Akingbade	Date: JUNE 2021	Project : PROPOSED ACE BUILDING AFRICAN CENTRE OF EXCELLENCE FOR DRUG RESEARCH, HERBAL MEDICINE DEVELOPMENT AND REGULATORY SCIENCE	Drawing Title GROUND FLOOR PLAN	Sheet no A105.	Notes 1. All dimensions are in millimeters. 2. All dimensions are to be checked on site. 3. Any discrepancy between the architectural drawings relevant for construction should be notified before commencement.

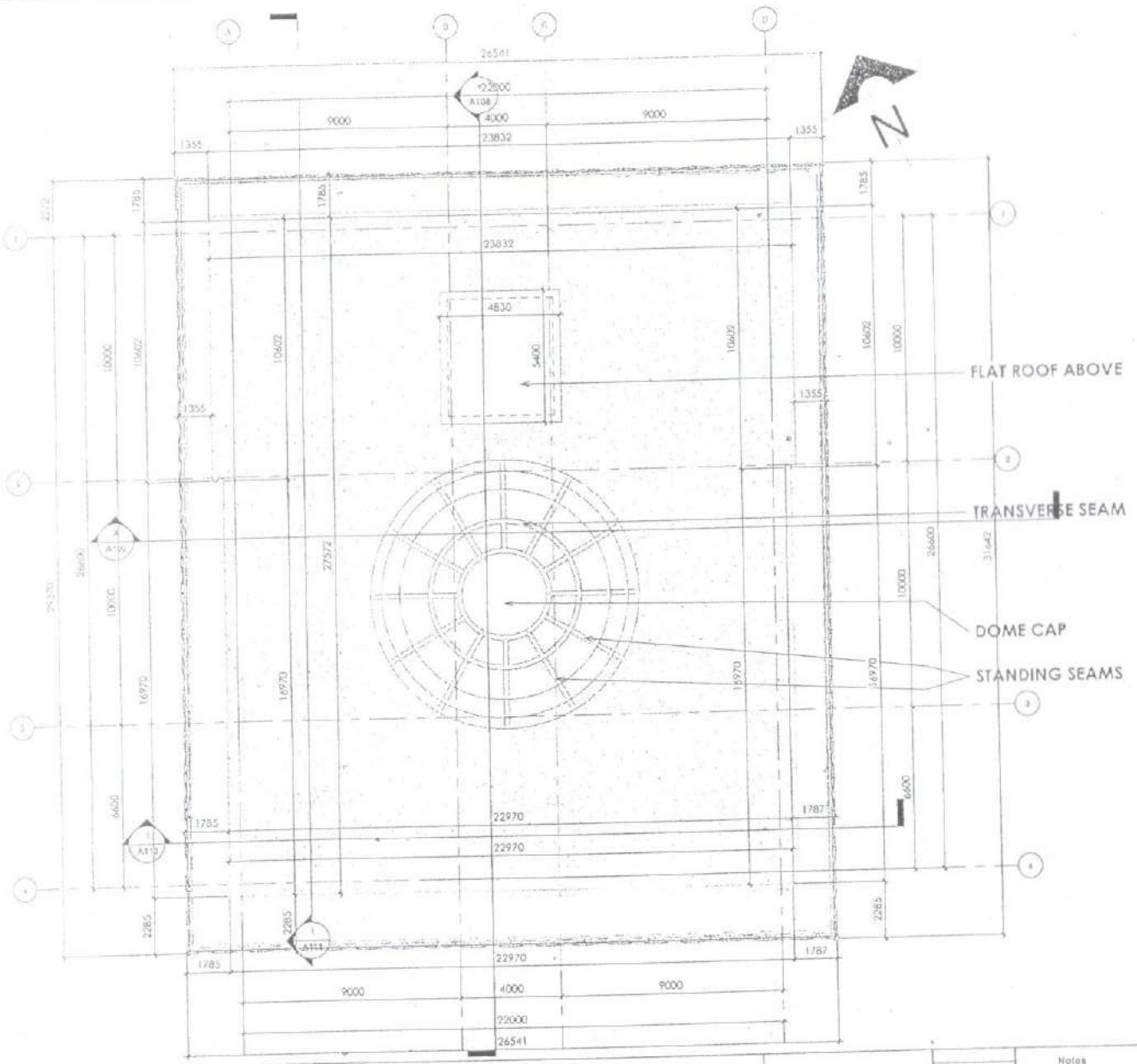
ARCHITECTS SEAL

APPROVAL COLUMN



ARCHITECTS S

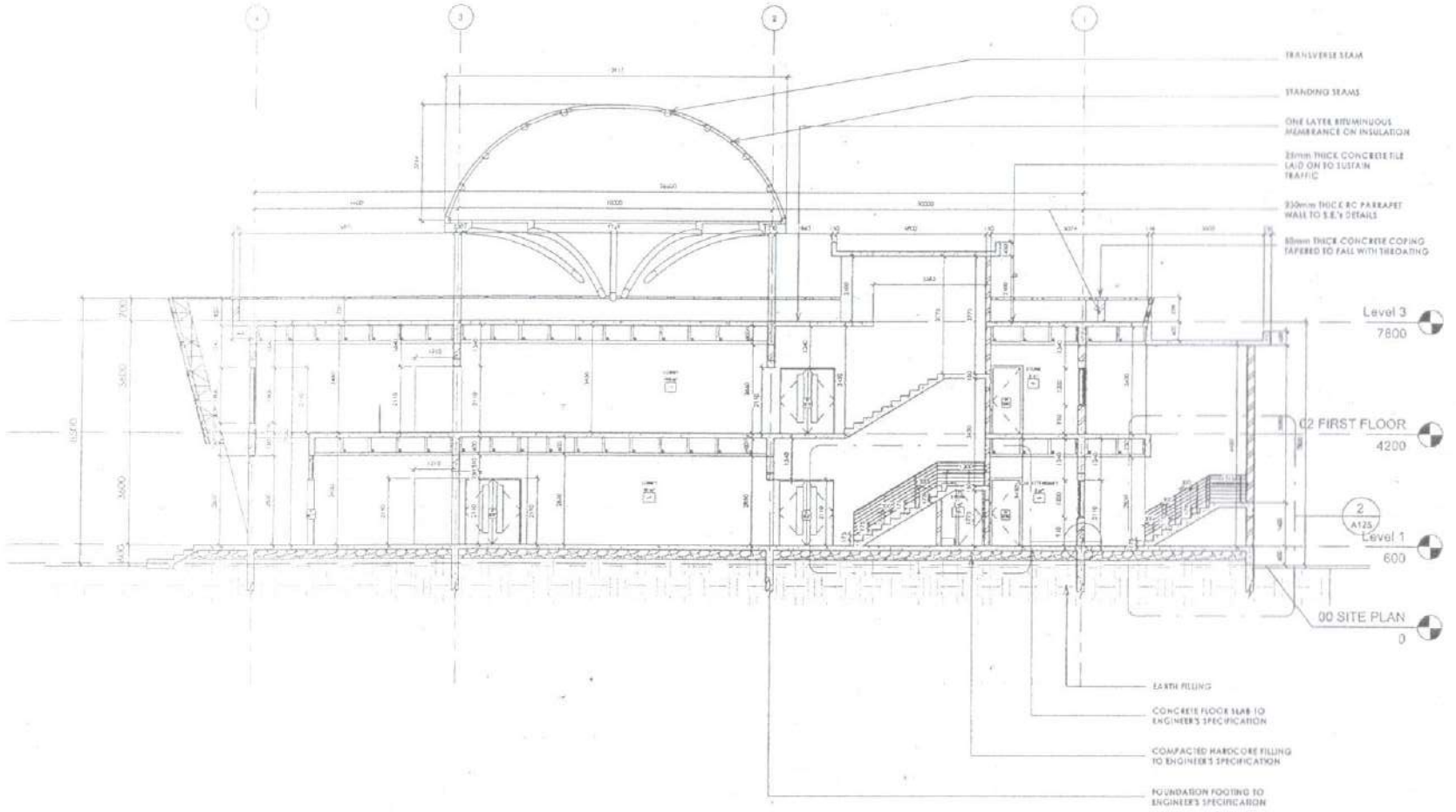
Consultant Architects Arc. Bola Ogunbodede(lead consultant) Arc. Adeyemi Akingbade	Date: JUNE 2021	Project : PROPOSED ACE BUILDING AFRICAN CENTRE OF EXCELLENCE FOR DRUG RESEARCH, HERBAL MEDICINE DEVELOPMENT AND REGULATORY SCIENCE	Drawing Title FIRST FLOOR PLAN	Sheet no A106.	Notes 1. All dimensions are in millimeters. 2. All dimensions are to be checked on site. 3. Any discrepancy between the architectural drawings relevant for construction should be notified before commencement.



APPROVAL COLUM

ARCHITECTS S

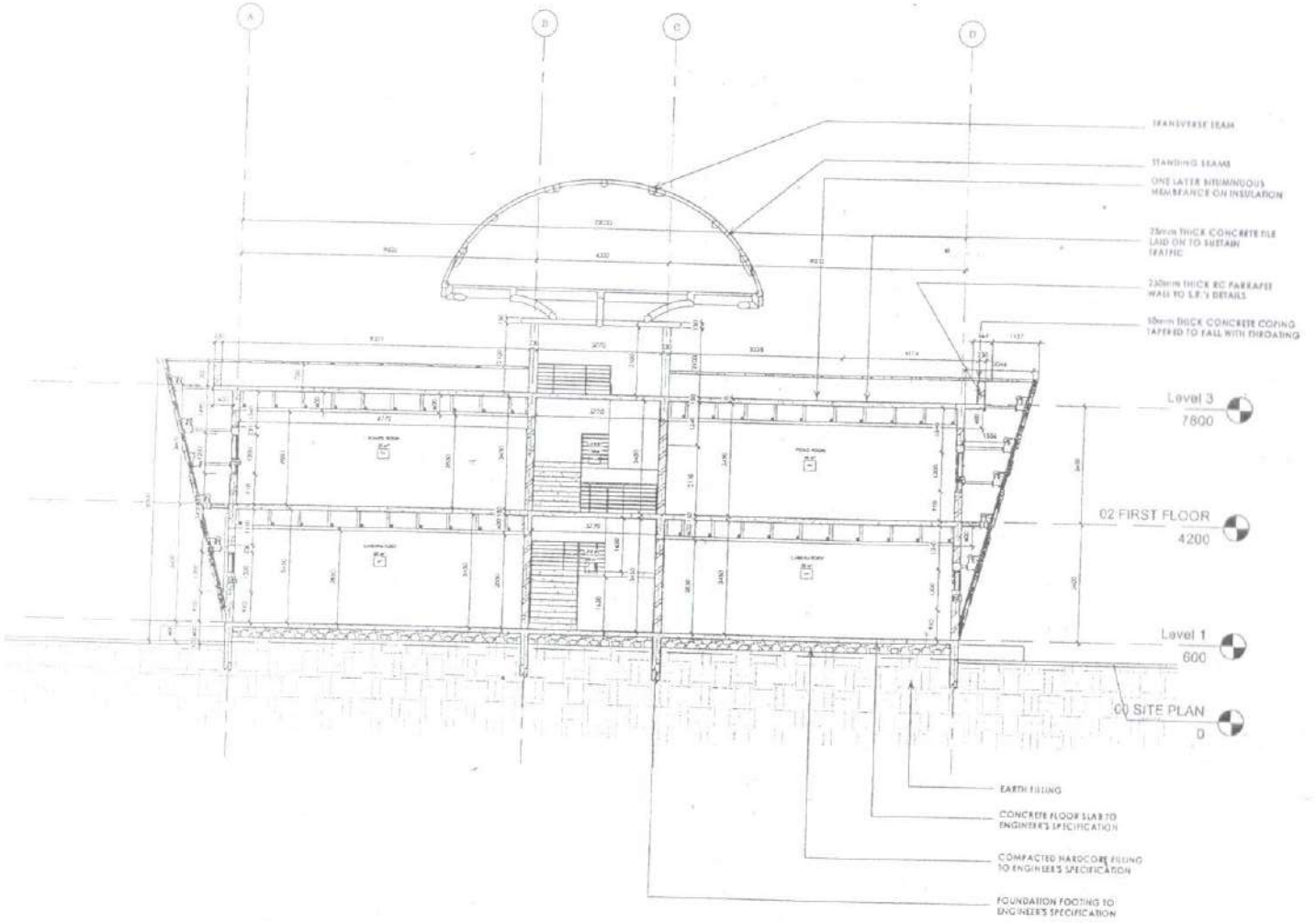
Consultant Architects Arc. Bola Ogunbodede(lead consultant) Arc. Adeyemi Akingbade	Date: JUNE 2021	Project: PROPOSED ACE BUILDING AFRICAN CENTRE OF EXCELLENCE FOR DRUG RESEARCH, HERBAL MEDICINE DEVELOPMENT AND REGULATORY SCIENCE	Drawing Title ROOF PLAN	Sheet no A107	Notes 1. All dimensions are in millimeters. 2. All dimensions are to be checked on site. 3. Any discrepancy between the architectural drawings relevant for construction should be notified before commencement.



APPROVAL CO

Consultant Architects Arc. Bola Ogunbodede(lead consultant) Arc. Adeyemi Akingbade	Date: JUNE 2021	Project: PROPOSED ACE BUILDING AFRICAN CENTRE OF EXCELLENCE FOR DRUG RESEARCH, HERBAL MEDICINE DEVELOPMENT AND REGULATORY SCIENCE	Drawing Title SECTION Y-Y	Sheet no A108	Notes 1. All dimensions are in millimeters. 2. All dimensions are to be checked on site. 3. Any discrepancy between the architectural drawings relevant for construction should be notified before commencement.

ARCHITECTS SE



APPROVA

Consultant Architects

Arc. Bola Ogunbodede(lead consultant)

Arc. Adeyemi Akingbade

Date:

JUNE
2021

Project :

PROPOSED ACE BUILDING

AFRICAN CENTRE OF EXCELLENCE
FOR DRUG RESEARCH, HERBAL MEDICINE DEVELOPMENT
AND REGULATORY SCIENCE

Drawing Title

SECTION X-X

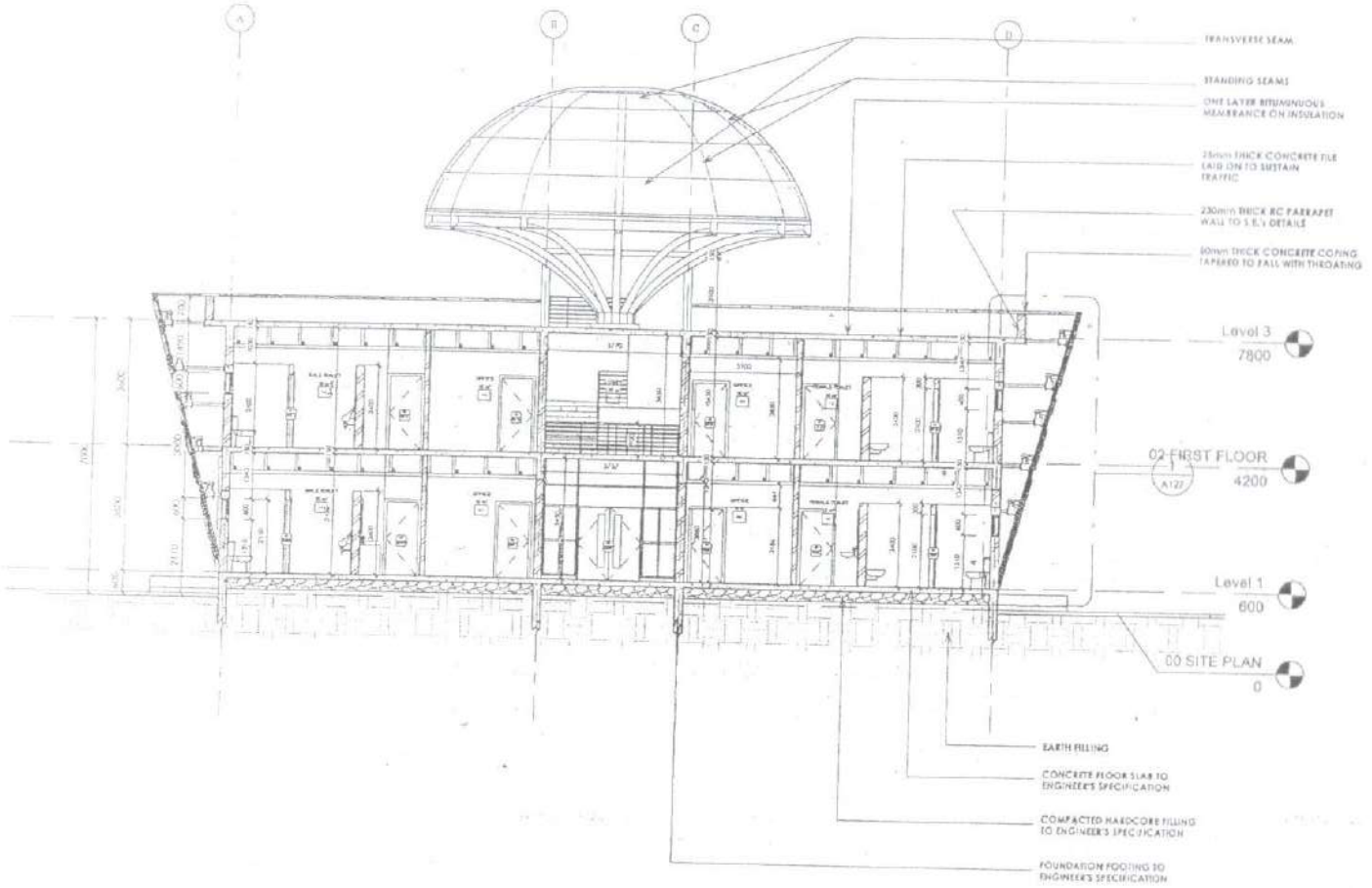
Sheet no

A109

Notes

1. All dimensions are in millimeters.
2. All dimensions are to be checked on site.
3. Any discrepancy between [illegible] architectural drawings [illegible]

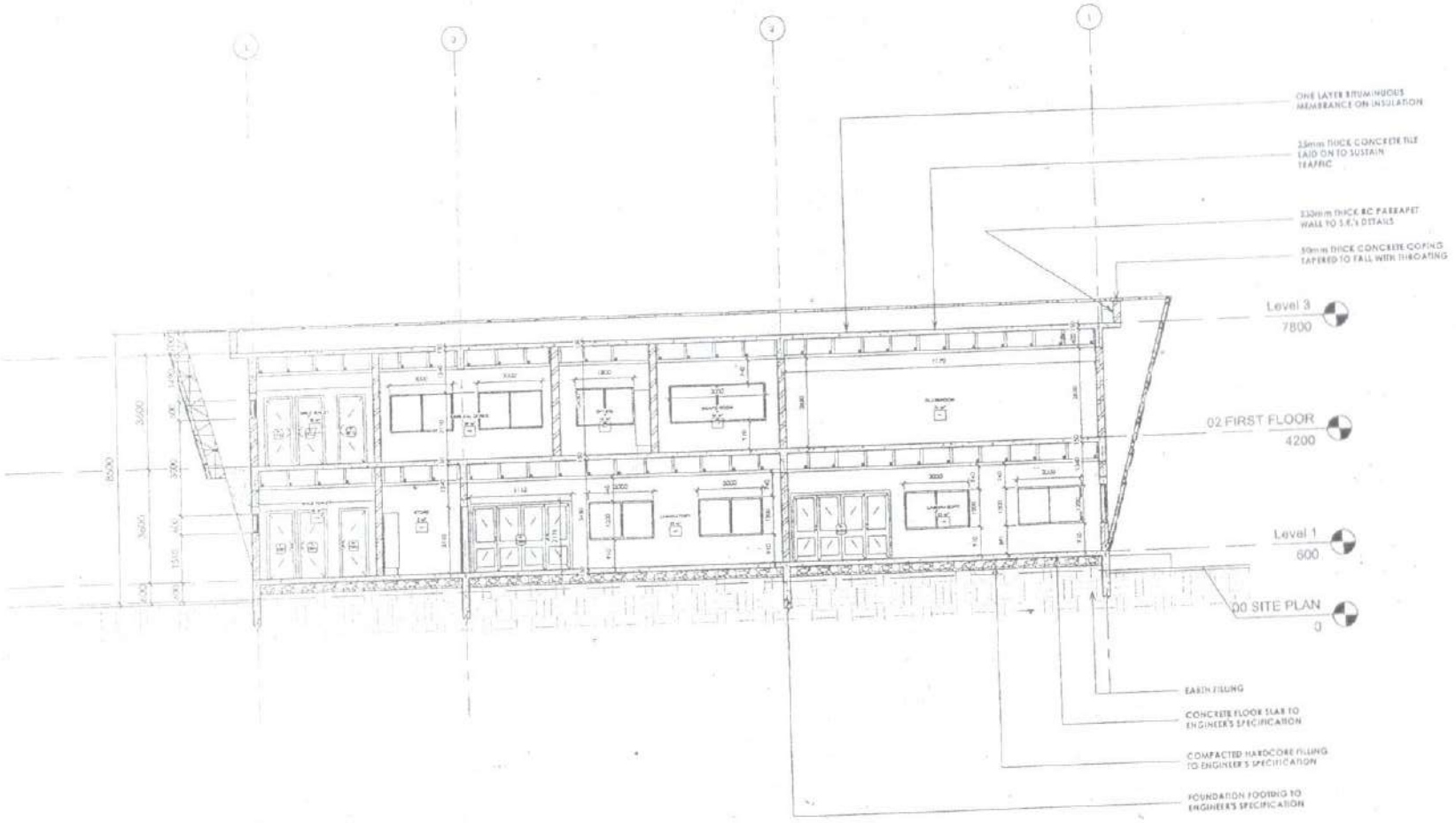
ARCHITECTS SE



APPROV

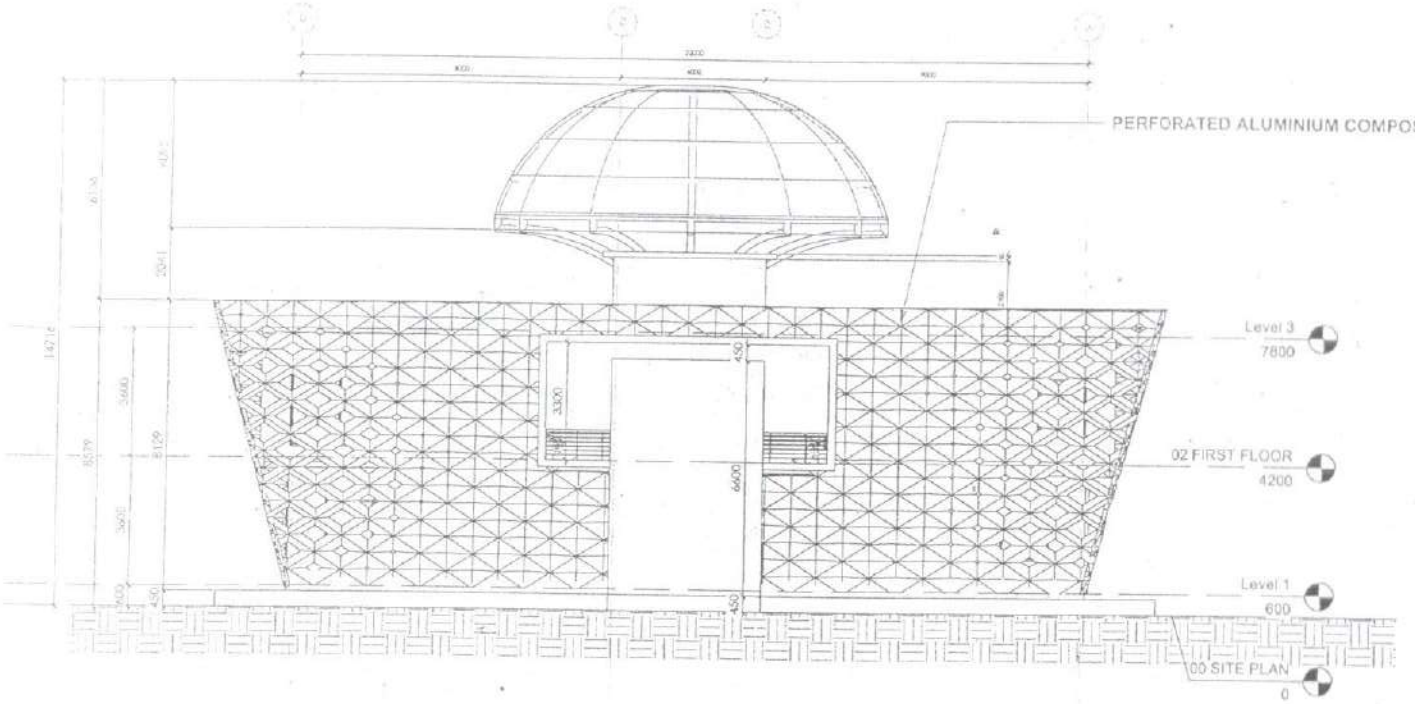
ARCHITECTS

Consultant Architects Arc. Bola Ogunbodede(lead consultant) Arc. Adeyemi Akingbade	Date JUNE 2021	Project : PROPOSED ACE BUILDING AFRICAN CENTRE OF EXCELLENCE FOR DRUG RESEARCH, HERBAL MEDICINE DEVELOPMENT AND REGULATORY SCIENCE	Drawing Title SECTION P-P	Sheet no A110	Notes 1. All dimensions are in millimeters. 2. All dimensions are to be checked on site. 3. Any discrepancy between the architectural drawings relevant for construction should be notified before commencement.



Consultant Architects Arc. Bola Ogunbodede(lead consultant) Arc. Adeyemi Akinwade	Date: JUNE 2021	Project : PROPOSED ACE BUILDING AFRICAN CENTRE OF EXCELLENCE FOR DRUG RESEARCH, HERBAL MEDICINE DEVELOPMENT AND REGULATORY SCIENCE	Drawing Title SECTION T-T	Sheet no A111	Notes 1. All dimensions are in millimeters. 2. All dimensions are to be checked on site. 3. Any discrepancy between the architectural drawings relevant for construction should be notified before commencement.

ARCHITECT



APPROVAL CO

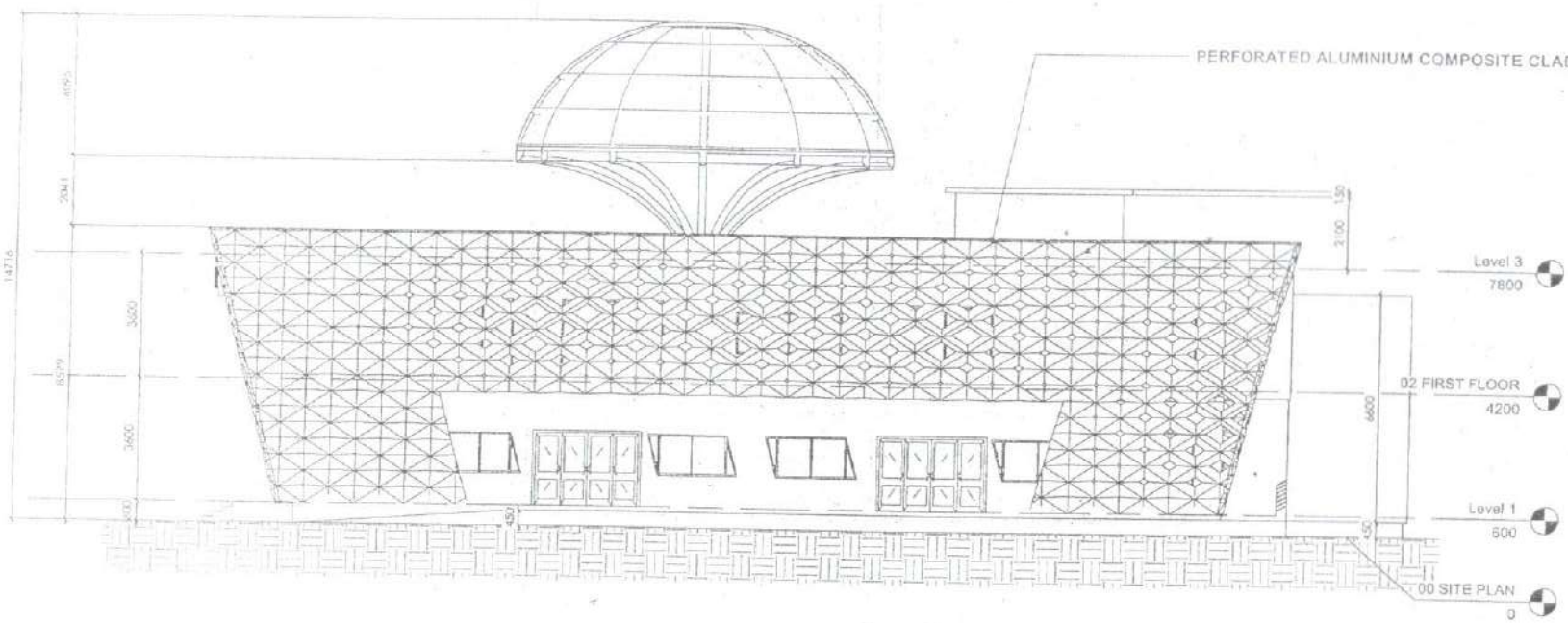
ARCHITECTS SEAL

Consultant Architects Arc. Bola Ogunbodede(lead consultant) Arc. Adeyemi Akingbade	Date JUNE 2021	Project : PROPOSED ACE BUILDING AFRICAN CENTRE OF EXCELLENCE FOR DRUG RESEARCH, HERBAL MEDICINE DEVELOPMENT AND REGULATORY SCIENCE	Drawing Title NORTH ELEVATION	Sheet no A112	Notes 1. All dimensions are in millimeters. 2. All dimensions are to be checked on site. 3. Any discrepancy between the architectural drawings relevant for construction should be notified before commencement.	

APPROVAL C

Consultant Architects Arc. Bola Ogunbodede(lead consultant) Arc. Adeyemi Akingbade	Date: JUNE 2021	Project: PROPOSED ACE BUILDING AFRICAN CENTRE OF EXCELLENCE FOR DRUG RESEARCH, HERBAL MEDICINE DEVELOPMENT AND REGULATORY SCIENCE	Drawing Title SOUTH ELEVATION	Sheet no A113	Notes 1. All dimensions are in millimeters. 2. All dimensions are to be checked on site. 3. Any discrepancy between the architectural drawings relevant for construction should be notified before commencement.

ARCHITECTS SE

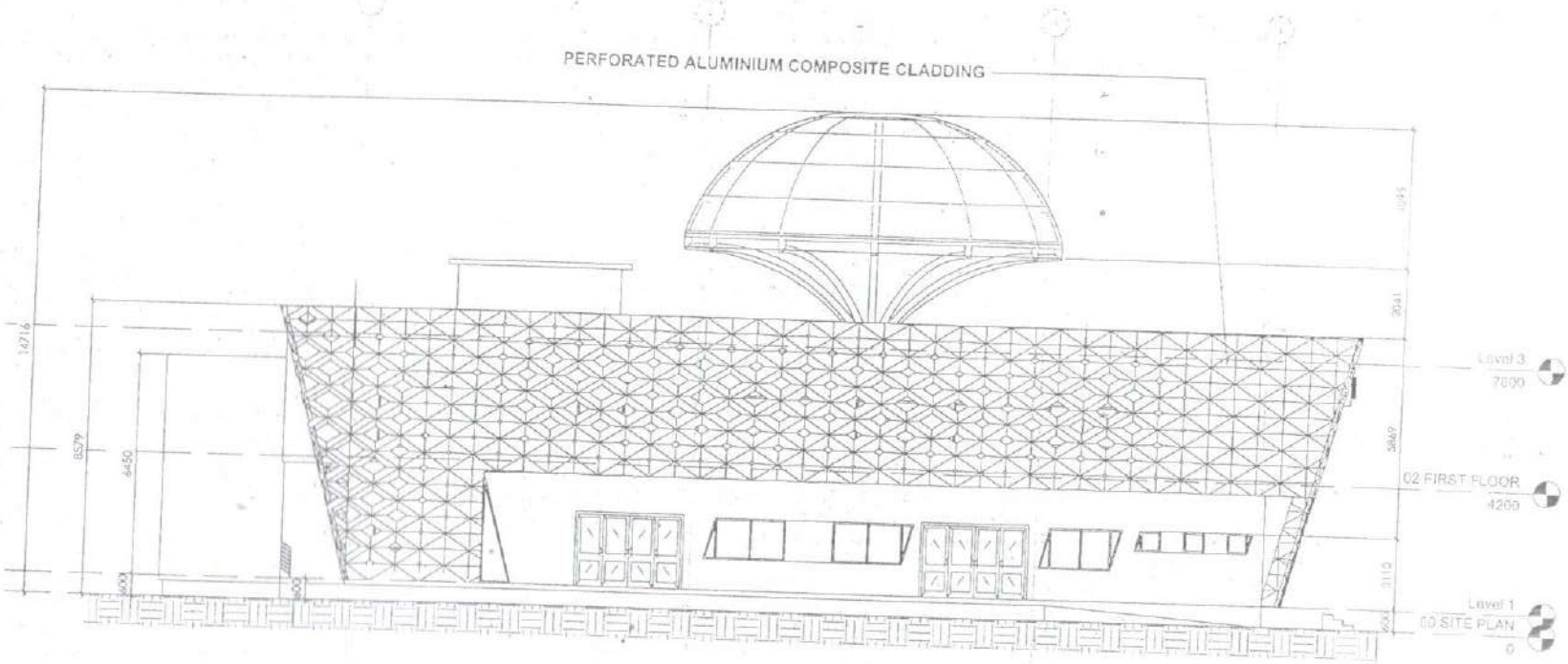


APPROVAL CO

Consultant Architects Arc. Bola Ogunbodede(lead consultant) Arc. Adeyemi Akingbade	Date: JUNE 2021	Project : PROPOSED ACE BUILDING AFRICAN CENTRE OF EXCELLENCE FOR DRUG RESEARCH, HERBAL MEDICINE DEVELOPMENT AND REGULATORY SCIENCE	Drawing Title EAST ELEVATION	Sheet no A114	Notes 1. All dimensions are in millimeters. 2. All dimensions are to be checked on site. 3. Any discrepancy between the architectural drawings relevant for construction should be notified before commencement.

ARCHITECTS SEAL

APPROVAL COLUMN



Consultant Architects

Arc. Bola Ogunbodede(lead consultant)

Arc. Adeyemi Akingbade

Date: JUNE 2021

Project:

PROPOSED ACE BUILDING

AFRICAN CENTRE OF EXCELLENCE
FOR DRUG RESEARCH, HERBAL MEDICINE DEVELOPMENT
AND REGULATORY SCIENCE

Drawing Title: WEST ELEVATION

Sheet no: A115

Notes

1. All d[illegible]
2. All dimensions [illegible]
3. Any discrepancy between the [illegible] drawings [illegible] the contractor [illegible] the architect before [illegible]

ARCHITECTS SEAL