A. ROOF:- 1. Refer to sections 1. Reinforced concrete roof to professional engineer's details and topped with insulating screed to falls and covered with waterproofing laid in accordance with manufacturers recommendations. 2. Waterproofing to be covered with 50mm layer of 20mm white gravel. B. WALLS:- 1. Two courses of brickwork to be reinforced in with brickforce. Solid cement mortar joint below wallplate level, above window head level and below window cill le 2. Unplastered external walls to be bagged and bitumen painted between skins. 3. All brickwork below ground level to be bricks recommended for the purpose by the manufacturer 4. Galvanised wire ties to be built into all 230 cavity walls at 800 centres horizontally and every 6th course vertically. 5. Gundle 'brickgrip' DPC's to be provided over all slabs, under all cills, parapets and elsewhere as required by the local authority and in accordance with NBR and window systems. 6. Galvanised steel coil outguards, lapped and soldered at joints to be to local authority requirement 7. Two vermin-proofed airbricks to be provided in the external walls of all habitable rooms. 8. Joints in facebrick to be pointed square 'raked' unless otherwise specified on drawing. C. SURFACE BEDS:-**NEW CIVIL ENGINEERING BUILDING NEW LINK BRIDGE/WALKWAY** 1. Surface beds to Eng Specs. concrete of mix not weaker than 1:3:6 by volume, reinforced with BRC mesh at 300 centres both directions 2. Surface beds to be laid on Gundle UFS green membrane on ground poisoned by specialist to SANS requirements. D. SUSPENDED FLOORS AND R/CONCRETE:-1. To be built strictly in accordance with professional structural engineer's details under his supervisior 2. Finish to be plastered unless otherwise noted. REFER TO ENGINEER\$ 3. ALL BEAM WORKS TO ENGINEERS DETAILS. STRUCTURAL STEEL E. RETAINING WALLS:-1. To be built strictly in accordance with professional structural engineer's details. **DRAWINGS FOR** top of stub column 2. Vertical tanking behind all retaining walls to be Gundle 'hyperlastic' 500micron membran installed under manufacturers supervision. **STAIRCASE** 3. All retaining walls to be provided with agricultural drains behind and below slab level, graded to f surface water disposal system. G. DRAINAGE:-1. The contractor is required to ensure that he installs necessary stormwater and/or sewer connection 141.205 underside of roof slab before drainage work commences. It is thereafter the contractors responsibility to ensure adequate 141.000 to these connections. 2. Approval for the siting of septic tank and/or soakpits together with any percolation tests which mo q beams to eng. details 250mmx250mm sleeves in 250mmx250mm sleeves in be required is to be obtained from 140.500 beam for services beam for services the local authority by the contractor before commencing any building work. ceiling void for services 3. The contractor is responsible for ensuring that stormwater damage 140.000 to the work in progress or the neighbouring properties does not occur during construction and that surface water drainage is adequate. 139.500 4. All sanitary fittings to be trapped and/or vented to local authority requirements. 1.1m high balustrade to 5. All bends and junctions in drains to be provided with inspection eyes at 25m centres. 900 6. Adequate access panels to be fitted in all ducts over inspection eyes 139.000 1200 H. DOORS AND FRAMES:part d. 138.500 1. Aluminium and Glass must adhere to codes and regulations as wells A.A.A.M.S.A. and its bodies. 1200 2. Safety glass to windows and doors to comply with PART N of SANS 10400 . Fire doors to be 2hr 44mr new first floor storey (level solid hardwood timber rated door 138.000 137.640 Roll up garage doors to be horizontal panel door. to match existing) 3.Please refer to PGA note on window and door materials. Contractor to refer to schedules as provided 137.500 by P.G.A 137.000 1. Windows to be white epoxy 36's section aluminium with 25 micron cover and sealed. 2. All new windows to be taped for protection 136.500 150dia sleeves 136.000 1. All glazing is to be accordance with SANS 10400 in beam for future services 135.500 K. SITING AND EXCAVATIONS:-1. All boundary beacons are to be flagged by a registered land surveyor and the contractor is to ob CIVIL ENGINEERING stating that the work has been existing sub station correctly set out before proceeding with excavations. 134.500 LABORATORY 2. Contractor is to check all dimensions and levels before commencing work and report any to be retained and made 3. Contractor is to confirm and ensure correctness of floor and entrance levels physically on site with 134.000 floor drain new ground floor storey local authority inspector laid to fall 133.500 before commencing work. 133.220 (level to match existing) 4. If the site is found to contain clay, shale, ground water or any other suspect soil condition, then all foundations are to be to 133.000 professional engineer's details and built floor laid to fall to g 5. All foundations to be taken to hard, virgin ground. No back filling over excavated areas will be 132.500 permitted. Foundation depths eng details to be determined on site. 6. The owner is responsible for all local authority expenses. 132.000 7. Where local authority or government regulations require more stringent specification than shown Foundations, ground beams, piles designed herein, they are to be 131.500 followed with prior consent of the owner. 8. The contractor is to inspect the official approved and specified be a professional Structural NGL 131.000 copies of the drawing to ensure that all amendments have been approved Engineer and in accordance with 9. SANS 10400 standards and specifications are to be adhered to as a minimum standard and good construction principles geotechical report SANS 10400-B & SANS 10. All levels are approximate. 10400-H 1. This drawing is to read in conjunction with the engineer's drawings, the electrical layout, the key to the electrical layout and the schedule of finishes. **SECTION B-B** 1. The attention of the owner is drawn to the fact that changes to the plan and/or specifications after official approval scale: 1:50 are likely to invalidate that approval. O. ARCHITECTS ADDITIONAL STAN/D RECOM/D SPEC .:-1. All foundations reinforced and compacted hardcore to 99% modashto. 2. All brickwork to be cross-bonded every 4 courses vertically, namely Plastered and painted houses 3. Skirting to be 100mm Meranti with quadrant. 4. External cills to be NUTEC cill with drip (250 Micron DPC under). 5. Internal cills must be plastered and painted 6. All aluminium windows to be sealed around edges 7. All window heads to have drip groove. 8. All parapets walls to have coping with drip groove with: micron DPC under, (coping to be impervious to water) and water proofed where applicable. 9. All flashing to be guaranteed for 10 years. 10. All flat roof parapets to have build-on Aluminium edge 11. All walls to have coping with drip fall away from face with drip mould on soffit. 12. Outer face of innerskin to be bagged and sealed, if not 50mm cavity to used.

P. PAINT SPEC. FOR PLASTER AND PAINT:-

2. Plaster to have a water proof agent.

5 Exterior walls to be plastered smooth

1. All plaster work to be done in a 3 to 1 plaster mix in accordance to CSIR standards.

4. Undercoat to be Plascon plaster primer 2 coat final to be 'Plascon Wall&All' or equiv.

3. Fresh plastered wall to have Siliseal or equal with sealant sprayed on.

IMPORTANT:

1.All architectural drawings to be read in conjunction

with Engineers drawings. 2. Architectural drawings to take precedence over

Consultants drawings during construction. 3. All boundaries, dimensions and levels are to be

checked on site before construction and any discrepancies are to be reported to the Architect. 4. Partial Service: Any discrepancies with site or other

information is to be advised to the Architect and direction or approval is to be sought before the

implementation of the detail.

5. For the purpose of coordination, all relevant parties must check this information prior to implementation and report any discrepancies to the Architect.

6. Any discrepancies MUST be reported to the ARCHITECT immediately prior to any commencement of work. P.G.A. will not be responsible for work carried out without the ARCHITECT's consent as well as

deviations from the approved plans. Any plans removed from ARCHITECT'S office without his prior authorization will be deemed unchecked and thereafter invalid.

The attention of the Owner is drawn to the fact that changes to the plan and/or specifications after official approval are likely to invalidate that approval.

P. No construction is to be carried out on site prior to approval of submissions from relevant authorities. 10. Do not scale this drawing.

11. All Revisions made by engineer must be indicated in

a revision cloud and the date the revision was made.



PROPOSED NEW BUILDING TO CIVIL ENGINEERING DEPARTMENT SCHOOL OF CIVIL ENGINEERING UKZN - HOWARD COLLEGE 276 KING GEORGE V AVENUE DURBAN 4041 REM OF 1 OF SUB 5702 & REM OF SUB 5702,

& REM OF 492

CANOR MANOR

Architect's Signature: Client/Owner's Signature: For Stage 4.2 - Construction

Drawing title: SECTION B-B

Contact No:

DWG No: Sheet No: 6 of 10



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