



Engineer: TECHNO DESIGNS Civil Structures & Transport Engineers		Client: 							
THESE NOTES SERVE AS AN ADDENDUM TO THE SPECIFICATION IN THE BILL OF QUANTITIES (BOQ). IN THOSE CASES WHERE THE BOQ SPECIFICATIONS DIFFER FROM THESE NOTES, THESE NOTES SHALL TAKE PRECEDENCE ON ORIGINAL. 									
Engineer: T.Chikwata Pr Eng (20140009) Drawn by: M. Mulumba Designed By: T.Majumro Checked By: T.Chikwata		Signature: _____ Date: September 2022							
CONCRETE NOTES:		Signature: _____ Date: September 2023							
1.0 SETTING OUT AND GENERAL: 1.1 THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS. 1.2 ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND. 1.3 REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER. 1.4 THIS DRAWING MUST NOT BE USED TO SCALE OFF. USE ONLY WRITTEN DIMENSIONS. CONTACT THE ENGINEER OR ARCHITECT WHERE CLARITY IS SOUGHT. 1.5 FOR SETTING OUT DATA, SETTING OUT POINTS AND DATUM LEVELS REFER TO SURVEY INFORMATION AND ARCHITECT'S DRAWINGS.		2.2 NO FOUNDATIONS ARE TO BE CAST IN FILL MATERIAL. A 50mm MIN THICK LAYER OF 15MPa CONCRETE TO BE CAST UNDER ALL REINFORCED BASES, REINFORCED STRIP FOOTINGS AND GROUND BEAMS. 2.3 ANY OVER EXCAVATION MADE TO BE MADE GOOD WITH 10MPa / 19mm CONCRETE AT THE CONTRACTOR'S EXPENSE. 2.4 BACKFILLING OVER COLUMN BASES SHALL BE DONE WITH AN APPROVED MATERIAL COMPACTED IN LAYERS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. 2.5 ALL REINFORCEMENT PRESSURE UNDER REINFORCEMENT. 2.6 CONCRETE BASES + STRIP FOOTINGS = 150kPa / 100kPa 2.7 CONCRETE CHARACTERISTIC 28 DAY STRENGTH: 25MPa / 19mm 2.8 STRIP FOOTINGS: SURFACE BEDS: 300kPa / 19mm SUSPENDED SLABS & BEAMS: 300kPa / 19mm COLUMNS: 300kPa / 19mm 2.9 ALL MIX DESIGNS FOR ALL TYPES OF CONCRETE TO BE GIVEN TO ENGINEER FOR PERUSAL AND COMMENT. CONCRETE MIX DESIGNS FOR SURFACE BEDS TO HAVE MINIMUM LEAST 5 DAYS AFTER CASTING. 2.10 FOUNDATIONS 2.11 ALL FOUNDATION EXCAVATIONS TO BE INSPECTED AND APPROVED IN WRITING BY THE ENGINEER BEFORE CONCRETE IS CAST.		3.4 ALL CONCRETE TO BE CONSTRUCTED TO THE S.A.N.S 1200G PERMISSIBLE DEVIATION DEGREE OF ACCURACY CLASS II 3.5 CONCRETE CUBE TEST RESULTS TO BE SUBMITTED TIMELY TO ENGINEER FOR PERUSAL, RECORDS, COMMENT AND INSPECTION. 3.6 STRIPPING TIMES FOR REINFORCEMENT 3.7 CHARACTERISTIC STRENGTH: MILD STEEL: 250N/mm ² HIGH YIELD STEEL: 450N/mm ² 3.8 ALLOWABLE BEARING PRESSURE UNDER REINFORCEMENT APPROVED BY ENGINEER BEFORE ANY CONCRETE IS CAST. 48 HOURS WRITTEN NOTICE TO BE GIVEN TO ENGINEER BEFORE TIME OF INSPECTION. 3.9 LAP LENGTH TO REINFORCING TO BE MINIMUM 50 x SMALLER DIAMETER, UNLESS OTHERWISE NOTED. 3.10 MESH REINFORCEMENT REFERENCE 245 TO BE PLACED IN SLAB (TOP) MINIMUM LAPS = 300mm UNLESS OTHERWISE NOTED. 3.11 THE CONTRACTOR MUST TAKE PARTICULAR CARE TO ENSURE THAT THE SPECIFIED COVER TO ALL REINFORCEMENT HAS BEEN GIVEN BY ENGINEER. 3.12 COVER TO REINFORCEMENT: CHAIRS/SPACERS: 50mm COLUMNS AND WALLS: 50mm BEAMS: 30mm SUSPENDED SLABS: 50mm 3.13 ALL CONCRETE TO BE ADEQUATELY CURED BY KEEPING SURFACES CONTINUOUSLY DAMP FOR AT LEAST 5 DAYS AFTER CASTING.		4.7 CONTRACTOR IS TO CONDUCT HIS OWN INSPECTION OF REINFORCEMENT BEFORE CALLING THE ENGINEER FOR INSPECTION. 4.8 FORMWORK AND PROPPING 4.9 STRIPPING TIMES FOR COLUMN AND WALL SHUTTERING: 15 DAYS. 4.10 BEAM SHUTTERING: 7 DAYS IN HOT WEATHER, 12 DAYS IN COLD WEATHER. 4.11 FLAT SLABS: 7 DAYS IN HOT WEATHER, 7 DAYS IN COLD WEATHER. 4.12 PROPPING TIMES FOR: SLABS AND BEAMS: 21 DAYS IN COLD WEATHER 4.13 CANTILEVER SLABS AND BEAMS: 21 DAYS (SUBJECT TO CUBE TEST RESULTS BEING SUBMITTED TIMELY TO ENGINEER FOR APPROVAL). 4.14 NO DE-PROPPING OF SUSPENDED ELEMENTS UNTIL INSTRUCTED BY ENGINEER. 4.15 CONCRETE FINISHES: UNLESS NOTED OTHERWISE COLUMNS AND WALLS: OFF SHOOTER BEAMS AND SLAB SOFFIT: TOP OF SUSPENDED SLABS: STEEL FLOAT SURFACE BEDS: POWER FLOAT SIDES OF GROUND BEAMS TO BE SHUTTERED.		Refer To Drawing No: Key Plan: Project: JW14406-LINBRO PARK TOWER (WITH ASSOCIATED WORKS) Description: AIR VALVE CHAMBER CONCRETE LAYOUT, SECTIONS & DETAILS Issued For: TENDER Size: A1 Scale: As Shown Sheet No: 1 Of 2 Original Date: Sept 2023 Project No: C01486 Drawing No: CP-18 Revision: T0 No Date Details Revisions Chd Appd	