



CONCRETE NOTES:

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1.0	SETTING OUT AND GENERAL:
1.1	ALL DIMENSIONS AND HEIGHTS ARE TO BE IN CONCORDANCE WITH ARCHITECT'S DRAWINGS.
1.2	TOLERANCES SHOULD BE READ TO BE CHECKED ON SITE.
1.3	REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER.
1.4	IF ANY DISCREPANCIES ARE NOTED, THE ENGINEER MUST ONLY WRITTEN DIRECTIONS. CONTACT THE ENGINEER OR ARCHITECT WHERE CLARITY IS SOUGHT.
1.5	FOR SETTING OUT DATA, SETTING OUT POINTS AND DATA LEVELS REFER TO SURVEY INFORMATION AND ARCHITECT'S DRAWINGS.
1.6	STRUCTURAL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.N.S REGULATIONS. ALL WORK IS TO BE DONE IN ACCORDANCE WITH S.A.N.S 10000 AND EARTHWORKS IN ACCORDANCE WITH S.A.N.S 10001.
1.7	CONSULT RELEVANT ARCHITECTS, MECHANICAL, ELECTRICAL & PLUMBING ENGINEERS FOR ALL SERVICES TO BE COORED WITH DRAINAGE, STORMWATER OUTLETS, RUVETS AND HOLES AND SERVICES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT THE ENGINEER'S WRITTEN APPROVAL.
2.0	FOUNDATIONS
2.1	ALL FOUNDATION EXCAVATIONS TO BE INSPECTED AND APPROVED IN WRITING BY THE ENGINEER BEFORE CONCRETE IS CAST.
2.2	NO FOUNDATIONS ARE TO BE CAST IN FILM MATERIAL. A 50mm THICK LAYER OF 10MPa/15 MIN BLINDING CONCRETE IS TO BE CAST UNDER ALL REINFORCED BASES, REINFORCED STRIP FOOTINGS AND GROUNDS.
2.3	ANY OVER EXCAVATIONS ARE TO BE MADE GOOD WITH 10MPa/15 MIN CONCRECT SPREAD.
2.4	BACKFILLING OVER COLUMN BASES SHALL BE DONE WITH AN APPROVED MATERIAL, COMPACTED IN LAYERS IN ACCORDANCE WITH PROJECT SPECIFICATION.
2.5	ALLOWABLE BEARING PRESSURE UNDER
2.6	CONCRETE CHAIRS
2.7	STRIP FOOTINGS = 100kPa
2.8	CONCRETE
2.9	CHARACTERISTIC 28 DAY STRENGTHS:
2.10	CONCRETE FOOTINGS 25MPa/19mm
2.11	CONCRETE SLABS 30MPa/19mm
2.12	CONCRETE BEAMS 30MPa/19mm
2.13	CONCRETE SLABS & BEAMS 30MPa/19mm
2.14	CONCRETE MIX DESIGNS FOR ALL GRADES OF CONCRETE TO BE IN ACCORDANCE WITH ENGINEER FOR ALL MIXES AND COMMERIAL MIX DESIGNS FOR SURFACE BASES TO HAVE MINIMUM LEEDS 2.5 CERTIFICATION.
2.15	ALL CONCRETE TO BE ADEQUATELY CURED BY KEEPING SURFACES CONTINUOUSLY DAMP FOR AT LEAST 5 DAYS AFTER

3.	ALL CONCRETE TO BE CONSTRUCTED TO THE S.A.N S 12000	
4.	ALL POSSIBLE DEVIATION DEGREE OF ACCURACY CLASS II	
5.	CONCRETE CUBE TEST RESULTS TO BE SUBMITTED TIMELY TO	
6.	ENGINEER FOR PERUSAL, RECORDS, COMMENT AND	
7.	APPROVAL.	
8.	MEASUREMENT	
9.	CHARACTERISTIC STRENGTH:	
10.	MILD STEEL	250N/mm ²
11.	YIELD STEEL	250N/mm ²
12.	ALL REINFORCEMENT TO BE CHECKED AND APPROVED BY	
13.	ENGINEER BEFORE ANY CONSTRUCTION FOR 48 HOURS	
14.	WRITTEN NOTICE TO BE GIVEN TO ENGINEER BEFORE TIME	
15.	OF INSPECTION	
16.	ALL REINFORCEMENT TO BE MINIMUM 50x SMALLER	
17.	BAR DIAMETER UNLESS OTHERWISE NOTED	
18.	ALL REINFORCEMENT TO BE REFERRED TO CASE TO ENSURE	
19.	(TOP) MINIMUM LAPs = 300mm UNLESS OTHERWISE NOTED	
20.	THE CONTRACTOR MUST BE SPECIFIED CARE TO ENSURE	
21.	ALL REINFORCEMENT TO ALL REINFORCEMENT HAS BEEN	
22.	ATTACHED THROUGHOUT BEFORE THE ENGINEER IS CALLED	
23.	FOR SITE INSPECTION OF CONCRETE	
24.	COVER TO REINFORCEMENT:	
25.	SLAB FOOTINGS:	50mm
26.	BASES:	50mm
27.	COLUMNS AND WALLS:	30mm
28.	SUSPENDED SLABS:	30mm

SUSPENDED BEAMS: 30mm

4.7 CONTRACTOR TO CONDUCT HIS OWN INSPECTION OF REINFORCEMENT BEFORE CALLING THE ENGINEER FOR INSPECTION.

5.0 FORMWORK AND PROPPING

5.1 STRIPPING TIMES FOR:

COLUMN AND WALL SHUTTERING: 15 DAYS.

SLAB SHUTTERING: 7 DAYS IN HOT WEATHER,
12 DAYS IN COLD WEATHER.

FLAT SLABS: 4 DAYS IN HOT WEATHER,
7 DAYS IN COLD WEATHER.

5.2 PROPPING TIMES FOR:

SLABS AND BEAMS: 14 DAYS IN HOT WEATHER
14 DAYS IN COLD WEATHER.

CANTILEVER SLABS AND BEAMS: 21 DAYS
(SUBJECT TO THE TEST RESULTS AND MUST BE
SUBMITTED TO ENGINEER FOR APPROVAL)
NO DE-PROPPING OF SUSPENDED ELEMENTS UNTIL INSTRUCTED

5.3 CONCRETE FINISHES; UNLESS NOTED OTHERWISE
COLUMNS AND WALLS: OFF SHUTTER
BEAMS AND SLAB SOFFIT: OFF SHUTTER
TOP OF SUSPENDED SLABS: STEEL FLOOR
SURFACE TO BE LEFT AS SHOWN ON DRAWING
5.4 SIDES OF GROUND BEAMS TO BE SHUTTERED.

No	Date	Details	Chd	Appd
Revisions				

Project:			
JW14406-LINBRO PARK TOWER (WITH ASSOCIATED WORKS)			
Description:			
PLAN&PROFILE FOR PIPEJACK 1			
Issued For:			
TENDER			
Size:	Scale:	Sheet No:	Original Date:
A1	As Shown	1 OF 1	Sept 2023
Project No:		Drawing No:	Revision:
C01486		CP-12	T0