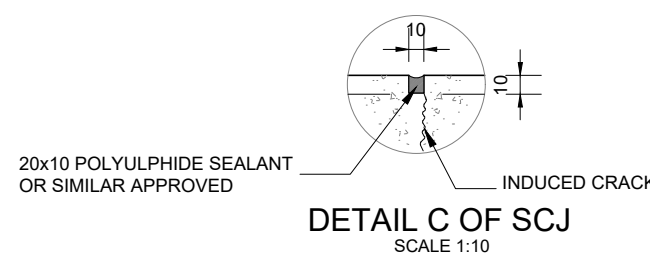




SAWCUT JOINT (SCJ) DETAIL
SCALE 1:10



Client:



Johannesburg Water

JOHANNESBURG WATER

Turbine Hall,
65 Niemi Pilaso Street,
Newtown, Johannesburg

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: K. Masika	Designed By: T.Chikwata	Checked By: T.Chikwata
Signature: <i>Masika</i>	Signature: <i>Chikwata</i>	Signature: <i>Chikwata</i>
Date: Sept 2023	Date: Sept 2023	Date: Sept 2023

CONCRETE NOTES:

- 1.1 SETTING OUT AND GENERAL
- 1.2 THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS
- 1.3 ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND
- 1.4 REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER
- 1.5 ALL DRAWING MEASUREMENTS ARE TO SCALE OFF. USE ONLY WRITTEN DIMENSIONS, CANNOT THE ENGINEER OR ARCHITECT WHERE CLARITY IS SOUGHT
- 1.6 FOR SETTING OUT DATA, POINTS AND DATUM LEVELS REFER TO SURVEY INFORMATION AND ARCHITECT'S DRAWINGS
- 1.7 ALL CONCRETE WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.N.S SPECIFICATIONS. ALL CONCRETE WORK IS TO BE DONE IN ACCORDANCE WITH S.A.N.S 10200 AS APPLICABLE TO EARTHWORKS IN ACCORDANCE WITH S.A.N.S 12000.
- 1.8 CONSULT RELEVANT ARCHITECT'S, MECHANICAL, ELECTRICAL & PLUMBING DRAWINGS FOR DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLETS, RWDS AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOPES ARE TO BE CORED
- 2.0 FOUNDATIONS
- 2.1 ALL FOUNDATION EXCAVATIONS TO BE INSPECTED AND APPROVED BY WRITING BY THE ENGINEER BEFORE CONCRETE IS

CAST
NO FOUNDATIONS ARE TO BE CAST IN FILL MATERIAL. A 50mm THICK LAYER OF 10MPa/19mm Blinding Concrete is to BE CAST ON ALL REINFORCED CONCRETE. REINFORCED STEEL FOOTINGS AND GROUND BEAMS.
ANY OVER EXCAVATIONS ARE TO BE MADE GOOD WITH 10MPa/19mm Blinding Concrete TO THE SATISFACTION OF THE CONTRACTOR'S EXPENSE.
BACKFILLING OVER COLUMN BASES SHALL BE DONE WITH AN APPROVED MATERIAL COMPACTED IN LAYERS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
ALLOWABLE BEARING PRESSURE UNDER:
CONCRETE BASES = 150kPa
TRIP FOOTINGS = 100kPa
CONCRETE
CONCRETE CHARACTERISTIC 28 DAY STRENGTH:
BASES: 25MPa/19mm
TRIP FOOTINGS: 25MPa/19mm
SURFACE BEDS: 20MPa/16mm
SUSPENDED SLABS & BEAMS: 30MPa/19mm
COLUMNS: 30MPa/19mm
CONCRETE 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 BLEED.
ALL CONCRETE TO BE ADEQUATELY CURED BY KEEPING SURFACES CONTINUOUSLY DAMP FOR AT LEAST 5 DAYS AFTER

4. ALL CONCRETE TO BE CONSTRUCTED TO THE S & S 12000 PERMISSIBLE DEVIATION DEGREE OF ACCURACY CLASS 3 UNLESS SPECIFIED OTHERWISE.

5. REINFORCEMENT TEST RESULTS TO BE SUBMITTED TIMOUSLY TO ENGINEER FOR PERJUAL RECORDS, COMMENT AND APPROVAL.

REINFORCEMENT CHARACTERISTIC STRENGTH:

MILD STEEL:	250mm ²
HIGH YIELD STEEL:	350mm ²

ALL REINFORCEMENT TO BE CHECKED AND APPROVED BY ENGINEER BEFORE ANY CONCRETE IS CAST. 48 HOURS AFTER CASTING, REINFORCEMENT TO BE INSPECTED BEFORE TIME OF CAST INSPECTION.

6. MINIMUM TO REINFORCING TO BE MINIMUM 50. SMALLER BAR DIAMETER, UNLESS OTHERWISE NOTED.

MESH REINFORCEMENT REFERENCE 245 TO BE PLACED IN SU BASES AND WALLS. REINFORCEMENT SHALL BE OVERLAPPED TO THE CONTRACTOR MUST TAKE PARTICULAR CARE TO ENSURE THAT THE SPECIFIED COVER TO ALL REINFORCEMENT HAS BEEN MAINTAINED THROUGHOUT THE CONSTRUCTION. THIS IS CALLED SITE FOR INSPECTION OF THE REINFORCEMENT.

COVER TO REINFORCEMENT:

SLIP FOOTINGS:	50mm
COLUMNS AND WALLS:	30mm
SUBGRADE CLARS:	30mm

	SUSPENDED BEAMS	30mm
4.7	CONTRACTOR IS TO CONDUCT HIS OWN INSPECTION OF REINFORCEMENT BEFORE CALLING THE ENGINEER FOR INSPECTION.	
	FORMWORK AND PROPPING	
5.1	STRIPPING TIMES FOR:	
	COLUMN AND WALL SHUTTERING: 1.5 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 21 DAYS IN COLD WEATHER
	CANTILEVER SLABS AND BEAMS: 21 DAYS	
	SUBJECT TO THE TEST RESULTS TO BE SUBMITTED (TIMEOUS) TO THE ENGINEER FOR APPROVAL.	
	NO DE-PROPPING OF SUSPENDED ELEMENTS UNTIL INSTRUCTED BY THE ENGINEER.	
5.3	CONCRETE FINISHES: UNLESS NOTED OTHERWISE	
	COLUMNS AND WALLS: OFF SHUTTER	
	BEAMS AND SLAB SLOPE: OFF SHUTTER	
	TOP OF SUSPENDED SLABS: STEEL FLOOR	
	SURFACE BEDS: POWER FLOOR	
5.4	SIDES OF GROUND BEAMS TO BE SHUTTERED	

<p style="text-align: center; margin: 0;">Refer To Drawing No:</p> <div style="border: 1px solid black; height: 100px; margin-top: 5px;"></div>	<p style="text-align: center; margin: 0;">Key Plan:</p> <div style="border: 1px solid black; height: 150px; margin-top: 5px;"></div>
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No	Date	Details	Chd	Appr
Revisions				

Project: JW114406 - LINBRO PARK TOWER (WITH ASSOCIATED WORKS)			
Description: GENERATOR ROOM ROOF SLAB LAYOUT & DETAILS			
Issued For: <div style="text-align: center; font-size: 2em; font-weight: bold;">TENDER</div>			
Size:	Scale:	Sheet No:	Original Date:
A1	As Shown	2 OF 3	Sept 2022
Project No:		Drawing No:	Revision:
C01486		PS-21	T0