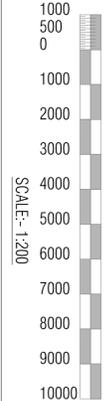
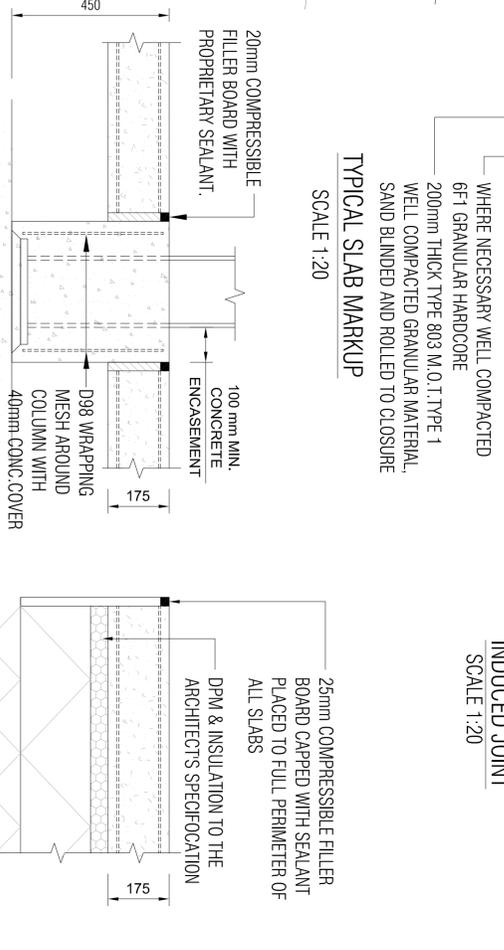
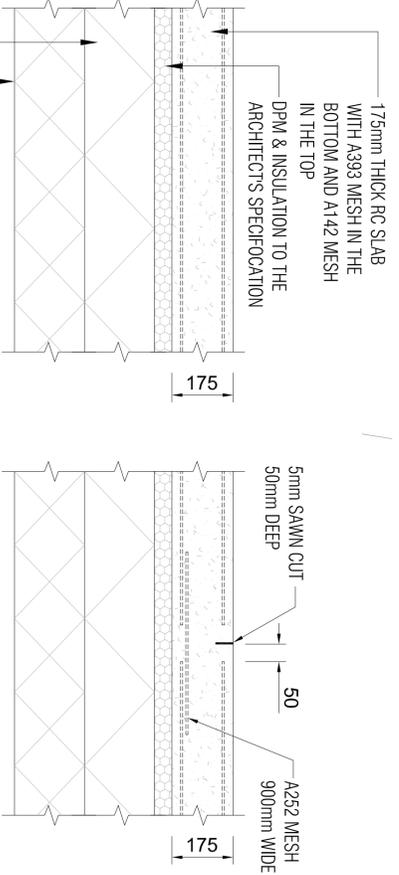




COLUMN SCHEDULE	MKD.	SECTION
C1	UC	152x152x30
C2	UC	203x203x46
C3	UC	305x305x67
C4	UC	305x305x137



1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SITE INVESTIGATION, ARCHITECT'S DRAWINGS AND THE SPECIFICATION.
2. ALL DIMENSIONS ARE IN MILLIMETRES. ALL LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.
3. ALWAYS ENSURE THIS IS THE LATEST REVISION. THE STRUCTURAL FLOOR SLAB IS ALSO THE FLOOR FINISH. HENCE A HIGH STANDARD OF WORKMANSHIP IS REQUIRED WITH RESPECT TO THE CONSTRUCTION OF THE FLOOR SLAB. THE SLAB IS TO BE LAID BY LARGE BAY SPECIALIST LASER-SCORED TECHNIQUE WITH A THROUGH COLOUR HARDENER INCORPORATED INTO THE POWER FLOAT PROCESS. PLANING AND TIMING OF OPERATIONS IS CRITICAL AND A METHOD STATEMENT FOR ALL FLOORING OPERATIONS FROM LAYING SUB-BASE TO COMPLETION OF CURING SHALL BE PREPARED AND ACCEPTED BY ALL DESIGNERS, SUPPLIERS, CONTRACTORS AND SUB-CONTRACTORS AT THE PRE-CONTRACT MEETING AND PRIOR TO CONTRACT START.
4. THE LEVEL OF THE MAIN GROUND FLOOR SLAB IS TO BE WITHIN 10MM OF THE REQUIRED DATUM LEVEL. THE SURFACE LEVEL OF THE SLAB SHALL COMPLY WITH THE REQUIREMENTS OF THE CLASSIFICATION F1M3 REFERRED TO IN THE CONCRETE SOCIETIES TECHNICAL REPORT NO. 34 CONTROL AT THE TRANSITION BETWEEN ADJACENT SLABS AT FORMED JOINTS. THERE ARE TO BE NO STEPS AT JOINTS BETWEEN ADJACENT SLABS AND THE CONCRETE ON EITHER SIDE OF THE JOINT IS TO BE LEVEL WITH THE INSTALLED FORMED JOINT.

5. JOINT REFERENCES

- ISO.J ISOLATION JOINT
- IND.J INDUCED JOINT
- EXP.J EXPANSION JOINT

ALL SAWN JOINTS ARE TO BE CUT IN LOCATIONS AS SHOWN. TO BE MORE THAN 5mm IN WIDTH AND TO BE FILLED WITH PERMAFLEX T FOAM TAPE SYSTEM AS SOON AS PRACTICAL AFTER SAW CUTTING THE JOINT AND PRIOR TO ANY TRAFFICKING ON THE SLAB. AS LATE AS POSSIBLE PRIOR TO HANDOVER THE SAW CUT JOINTS ARE TO BE FILLED WITH PERMAFLEX T RESIN. COLOUR TO MATCH THE FLOOR SURFACE. THE JOINT SEALING INSTALLATION TO BE CARRIED OUT BY A SPECIALIST INSTALLER APPROVED BY THE SEALANT SUPPLIER AND INSTALLED TO THE SEALANT SUPPLIER'S ACCEPTED STANDARD.

ALL PERIMETER ISOLATION JOINTS WILL BE ISOLATED WITH 10mm THICK POLYTHENE WITH A 25mm TEAR OFF STRIP. THE TEAR OFF STRIP TO BE REMOVED AND THE JOINT SEALED WITH A POLYSULPHIDE SEALANT TO MATCH THE FLOOR COLOUR. JUST PRIOR TO HANDOVER UNLESS THE JOINT IS LIKELY TO BE FOOT OR WHEEL TRAFFICKED. IF TRAFFICKED PERMAFLEX T SYSTEM SHALL BE USED IN THE TRAFFICKED AREA. ALL DAY WORK JOINTS BETWEEN POURS SHALL BE LOCATED AS FAR AS POSSIBLE AWAY FROM AISLES AND THE DETAIL AROUND INTERNAL COLUMNS SHALL BE ISOLATION JOINT WITH 10mm THICK POLYTHENE WITH A 25mm TEAR OFF STRIP AND BE DESIGNED TO CREATE MINIMAL DIFFERENCE IN LEVEL AND FINISH BETWEEN THE MAIN SLAB AND THE CONCRETE INSIDE THE ISOLATION JOINT, TO MINIMISE CRACKS EMANATING FROM THE COLUMN.

COLUMN ISOLATION JOINTS TO BE SEALED WITH POLYSULPHIDE SEALANT TO MATCH THE FLOOR COLOUR UNLESS THE JOINT IS LIKELY TO BE FOOT OR WHEELED TRAFFICKED. IF TRAFFICKED PERMAFLEX T SYSTEM SHALL BE USED SHOULD ANY ADHESIVE OR COHESIVE FAILURE OF THE JOINT SEALANT OCCUR.

THE CONTRACTOR SHALL REMOVE AND REPLACE THE SEALANT NOT LESS THAN 12 MONTHS AFTER THE FLOOR HAS BEEN LAID, WHERE THE FLOOR SLAB FINISH IS UNSATISFACTORY, THEN REMEDIAL WORKS, INCLUDING WHERE APPROPRIATE THE APPLICATION OF SUITABLE EPOXY FLOOR COVERINGS, SHALL BE CARRIED OUT FREE OF CHARGE BY THE CONTRACTOR.

6. FLOOR LOADINGS:  
GROUND FLOOR SLAB DESIGN IMPOSED LOAD = UDL 30 KN/m<sup>2</sup>
7. THE GROUND FLOOR SLAB TO MAIN RETAIL AREAS IS DESIGNED TO WITHSTAND STATIC RACKING LOADS OF 30KN CARRIED ON A SUITABLE BASE PLATE. SUCH LOADS WILL BE ON A 2.5m X 2.5m GRID. NO RACKING LOADS AND GENERAL UDL WILL OCCUR IN COMBINATION.
8. ALL CONCRETE TO BE RC35 DESIGN MIX WITH A CEMENT CONTENT BETWEEN 3030 kg/m<sup>3</sup> THE MAX. FREE WATER/CEMENT RATIO SHALL NOT EXCEED 0.52 & THE ACTUAL WATER SHALL NOT EXCEED 190 LITRES/m<sup>3</sup> WORKABILITY SHALL BE CONTROLLED BY SLUMP OF 100mm (+ OR - 15mm). PLEASE NOTE THAT IS A STRICTER CONTROL THAN BSS328.

(C) THIS DRAWING IS COPYRIGHT

CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE. ONLY FIGURED DIMENSIONS ARE TO BE WORKED FROM. DISCREPANCIES MUST BE REPORTED IMMEDIATELY TO SILICON ENGINEERING CONSULTANTS PVT.LTD. BEFORE PROCEEDING.

THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE CURRENT ENGINEERING SPECIFICATIONS AND RISK ASSESSMENTS.  
ALWAYS CHECK FOR LATER REVISIONS OF THIS DRAWING.

REVISION	DATE	DESCRIPTION
A	09-08-2014	FOR EXECUTION

STRUCTURAL ENGINEER :-  
SILICON ENGINEERING CONSULTANTS PVT.LTD.  
www.siliconec.com

DRAWING:-  
GROUND FLOOR PLAN

DATE:- 06-08-2014

REVISION:- A

DRAWING NO:- ST-02

SHEET:- A3