SUSPENDED SLAB (ON GROUND)

1. STRIP ALL TOP SOIL AND STOCKPILE FOR FURTHER USE AS INSTRUCTED BY SUPERINTENDENT
2. SITE CUT AND FILL TO UNDERSIDE OF CONCRETE SLAB AND SAND BED.
3. ENSURE SUBGRADE IS SUFFICIENTLY COMPACTED TO PROVIDE ADEQUATE WORKING PLATFORM FOR CONSTRUCTION.
4. LAY A CONTINUOUS 0.2mm POLYTHENE MEMBRANE UNDER SLAB, LAP 200mm, AND TAPE ALL JOINS, SERVICE PENETRATIONS AND PUNCTURES.
5. REINFORCEMENT LAPS SHALL BE (U.N.O.) –
   SLAB - 225 LAPS BEAMS - 500 LAPS
6. PROVIDE 2N12 BARS x 1200 LONG TOP ACROSS RE-ENTRANT CORNERS AND CORNERS OF PITS, PENETRATIONS, etc.
7. ALL REINFORCEMENT IS TO BE SECURELY SUPPORTED ON BAR CHAIRS LOCATED ON PLASTIC DISHES TO PREVENT PUNCTURING OF THE MEMBRANE.
   BAR CHAIRS ARE TO BE LOCATED AT 1200 MAX. CTS. IN BOTH DIRECTIONS OR CLOSER CENTRES AS REQUIRED TO ENSURE NO SAG OF THE REINFORCEMENT, WHERE NECESSARY PROVIDE BARROW PLANKS OVER REINFORCEMENT TO PREVENT DISPLACEMENT DURING CONCRETE POUR.
8. WET CURE CONCRETE FOR 7 DAYS AFTER POURING (OR BY SOME OTHER METHOD APPROVED BY THE ENGINEER)
9. GRADE SURROUNDING AREA AWAY FROM THE SLAB EDGE. NO TREES ARE TO BE PLANTED CLOSER TO THE SLAB EDGE THAN THEIR HEIGHT WHEN FULLY GROWN.

PRECAST CONCRETE

1. THESE NOTES SHALL BE READ IN CONJUNCTION WITH THE PRECAST CONCRETE SPECIFICATION.
2. FOR PRECAST PANEL SIZES REFER TO THE ARCHITECT'S DRAWINGS.
3. THE PANELS HAVE BEEN DESIGNED FOR THE IN-PLACE CONDITION ONLY. THE PANEL MANUFACTURER TO DESIGN AND DETAIL LIFTING INSERTS AS REQUIRED.
   THE PANEL MANUFACTURER SHALL CHECK BENDING STRESSES DUE TO LIFTING AND TRANSPORTING AND PROVIDE ANY ADDITIONAL REINFORCEMENT AS REQUIRED. THE MANUFACTURER IS TO PROVIDE WRITTEN CONFIRMATION THAT DESIGN FOR LIFTING HAS BEEN CHECKED.
   THE PANELS TO BE LIFTED USING ONLY THE SPECIFICALLY DESIGNED LIFTING INSERTS. THE PANEL MANUFACTURER IS TO SUPPLY AND FIT LIFTING INSERTS AS REQUIRED. THESE SHALL TAKE THE FORM OF CAST IN INSERTS OR FERRULES AND SHALL NOT BE LOCATED IN THE FACE WHICH IS EXPOSED TO VIEW IN THE FINAL CONDITION.
   THE BUILDER MUST PREPARE A REPORT ON THE PROPOSED HANDLING AND ERECTION METHODS AND ALSO THE PROPOSED METHOD FOR REMOVING THE PANELS FROM THE MOULDS (IF CAST ON SITE)
4. THE PRECAST CONCRETE SHALL COMPLY WITH SAA CONCRETE STRUCTURES CODE AS3600 ESPECIALLY SECTIONS 2, 6 AND 19 AND SAA TILT-UP CONCRETE AND PRECAST CONCRETE ELEMENTS FOR USE IN BUILDINGS CODE AS3850.
5. COMPRESSIVE STRENGTH OF CONCRETE AT TIME OF REMOVAL FROM MOULD OR LIFTING SHALL NOT BE LESS THAN 25 MPa. MINIMUM CEMENT CONTENT 330 Kg/CU.m. 28 DAY COMPRESSIVE STRENGTH OF CONCRETE SHALL NOT BE LESS THAN 40 MPa.
6. CONCRETE USED IN PRECAST PANELS TO BE NORMAL WEIGHT STRUCTURAL CONCRETE, MADE WITH NORMAL WEIGHT COARSE AGGREGATE AND NORMAL WEIGHT FINE AGGREGATE (SAND) AND IS TO HAVE A DESIGN DENSITY OF APPROXIMATELY 2500 Kg/CU.m.
7. CONCRETE USED IN THE PRECAST PANELS SHALL NOT CONTAIN ANY ADDITIVES UNLESS APPROVED BY THE ENGINEER IN WRITING.
8. ALL PANELS SHALL BE CURED IN ACCORDANCE WITH AS3600, SECTION 19. THE MANUFACTURER SHALL SUBMIT PROPOSED CURING PROCEDURE FOR APPROVAL PRIOR TO COMMENCING MANUFACTURE.
9. PAPER COPIES OF THE PANEL SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW 72 HOURS (MINIMUM) BEFORE COMMENCING FABRICATION. THE REVIEW DOES NOT REMOVE THE RESPONSIBILITY FROM THE MANUFACTURER FOR DIMENSIONAL ACCURACY, INTERPRETATION OF DRAWINGS, MANUFACTURE AND LIFTING AND ERECTION PROCEDURES.
10. REINFORCEMENT AND INSERTS TO BE INSPECTED AND WRITTEN CERTIFICATION PROVIDED BY THE PANEL MANUFACTURER BEFORE CASTING PANELS.
11. ALL FERRULES, INSERTS, BOLTS, WASHERS, SHIMS AND ANGLES FOR PRECAST CONNECTIONS TO BE 'HOT DIP GALVANISED' TO AS1650, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
12. VISIBLE BOLTS ARE TO REMAIN SEALED UNTIL THE ERECTION OF THE PANEL. THEY ARE NOT TO BE USED FOR LIFTING PURPOSES.
13. THE PANELS MUST BE HANDLED AND STACKED IN SUCH A WAY THAT:
    (A) CRACKING WILL NOT OCCUR
    (B) WARPING IN EXCESS OF THAT GIVEN IN THE RELEVANT CODE WILL NOT OCCUR.
14. WHERE PACKERS ARE USED TO TAKE UP TOLERANCES, THE THICKNESS SHALL SHALL BE NO MORE THAN 40mm.
15. PROVIDE 40mm MINIMUM COVER TO ALL REINFORCEMENT U.N.O.
16. ALL PANEL DETAILS INCLUDING MANUFACTURE, TRANSPORT, HANDLING, ERECTION AND PREPLANNING MUST BE IN ACCORDANCE WITH WORKSAFE INDUSTRY STANDARD "PRECAST AND TILT-UP CONCRETE FOR BUILDINGS" (OR STATE EQUIVALENT)
17. PANEL PROP FOOTINGS MUST HAVE MINIMUM CONCRETE STRENGTH OF 20 MPa BEFORE PANELS ERECTED.
18. PANEL PROPS MUST NOT BE REMOVED WITHOUT WRITTEN APPROVAL OF THE DESIGN ENGINEER.

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

REV	DESCRIPTION	DATE	INIT	APP
PD	BUILDING PERMIT SUBMISSION	28/8/17	SP	JH
PB	PRELIMINARY ISSUE	17/8/17	SP	JH
PA	PRELIMINARY ISSUE	23/6/17	SP	JH

CONTRACTORS MUST SET OUT ALL WORK AND VERIFY ALL CONDITIONS, LEVELS AND DIMENSIONS ON SITE PRIOR TO COMMENCEMENT OF ANY WORK OR MAKING OF ANY SHOP DRAWINGS WHICH MUST BE SUBMITTED AND APPROVED PRIOR TO ANY MANUFACTURE.

ALL WORK MUST BE EXECUTED IN ACCORDANCE WITH THE RULES, REGULATIONS, BY LAWS AND REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION OVER ANY PART OF THE WORK.

ELECTRONIC COPIES OF THIS DRAWING ARE NOT TO BE USED FOR DIMENSIONAL SETOUT.

FMG Engineering
Level 1, 2 Domville Avenue
Hawthorn Vic 3122
fmgengineering.com.au
P 03 9815 7600
F 03 9815 7602
ABN 58 083 071 185
fmg ENGINEERING Incorporating BURNS HAMILTON
CIVIL | STRUCTURAL | ENVIRONMENTAL | GEOTECHNICAL | BUILDING ASSESSMENT & FORENSIC | SOIL & MATERIAL TESTING | HOUSING | COMMERCIAL | PROJECT MANAGEMENT | SURVEY

A3 SCALE ONLY

CLIENT: C & K ARCHITECTURE
PROJECT TITLE: PROPOSED RESIDENTIAL DEVELOPMENT
SITE ADDRESS: 261 - 263 BALWYN ROAD, BALWYN NORTH, VIC 3104
DRAWING TITLE: GENERAL NOTES SHEET 2

DESIGNED	JH
DRAWN	SGP
CHECKED	JH
No. OF SHEETS	
SCALE	AS SHOWN @A1
DATE STARTED	19/6/2017
SITE ID & JOB No.	S34308-254280
DRAWING No.	S02
REV.	PD