GENERAL

1. THESE NOTES ARE TO BE FOLLOWED IN CONJUNCTION WITH CONSTRUCTION DRAWINGS C/O NAME AND SEAL OF A & E COMPANY.
2. REFERENCE MADE TO ANY DRAWING SHALL REFER TO THE LATEST REVISION OF THE SAID DRAWINGS.
3. REFERENCE MADE TO ANY CODES AND STANDARDS SHALL REFER TO THE LATEST REVISION OF THE SAME ON THE DATE OF OPENING OF THE TENDER.
4. LEVELS MENTIONED IN STRUCTURAL DRAWINGS PERTAIN TO TOP LEVEL OF STRUCTURAL CONCRETE U.O.
5. IN CASE OF DISCRIMINATION BETWEEN THE SPECIFICATIONS AND DETAILS SHOWN IN THE DRAWING, THE SAME SHALL BE Brought TO THE NOTICE OF THE ENGINEER IN CHARGE FOR CLARIFICATION PRIOR TO THE CONSTRUCTION.
6. STRUCTURAL DRAWINGS FOR MAC AND RAIL FOUNDATION SHALL BE READ IN CONJUNCTION WITH MAC SUPPLIER DRAWINGS. FOR LOCATION OF HOLDING DOWN BOLTS, INSERT PLATES, FIXTURES, ATTACHMENTS, RAIL EMBEDMENT ETC. ALL COMPLETE.

ABBREVIATIONS:

S. No. | CODE | DESCRIPTION
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01 | B | BEAM
02 | C | COLUMN
03 | CJ | CONSTRUCTION JOINT
04 | F | FOUNDATION
05 | FR | FLOATING COLUMN
06 | R | ROLL
07 | LF | LENGTH OF BAR
08 | LP | LENGTH DEVELOPMENT
09 | MB | MEMBER
10 | MW | RETAINING WALL
11 | SC | SLAB
12 | SC | SUB-COLUMN
13 | SH | SHEAR WALL
14 | TOC | TOP OF CONCRETE
15 | TOP | TOP OF STRUCTURE
16 | TSC | TO SCALE
17 | N | NOMINAL MAXIMUM SIZE AGGREGATES
18 | ONS | OTHERS NOTED OTHERWISE

HATCHES LEGEND:

S. No. | SYMBOL | DESCRIPTION
-------|--------|-----------------------
01 | □□□□□□ | BATT INSULATION
02 | □□□□□□ | CONCRETE
03 | □□□□□□ | BRICK
04 | □□□□□□ | DEMOLITION
05 | □□□□□□ | FINISHED WOOD FRAME
06 | □□□□□□ | PLASTERED GLASS
07 | □□□□□□ | REMOVED CAREFULLY TO ENABLE RE-USE OF THE SAME IN NEW LAYOUT
08 | □□□□□□ | STEEL
09 | □□□□□□ | WOOD BLOCKING
10 | □□□□□□ | WOOD FRAMING

REINFORCED CEMENT CONCRETE (RCC):

1. ALL RCC SHALL BE OF CONTROLLED GRADE IN ACCORDANCE WITH IS:456-2000 U.O.
2. GRADE OF CONCRETE FOR RCC MEMBERS SHALL BE M20 TYP. U.O.
3. MAXIMUM FREE WATER CEMENT RATIO SHALL BE LIMITED TO 0.5 FOR M20 AND 0.55 FOR M25.
4. MINIMUM CEMENT CONTENT FOR CONCRETE FROM THE POINT OF VIEW OF DURABILITY SHALL BE 300 KGC/M3 FOR M20 AND ABOVE GRADES OF CONCRETE U.O.
5. MAXIMUM CEMENT CONTENT SHALL BE RESTRICTED TO 400 KGC/M3 FOR ALL RCC WORKS.
6. NOMINAL MAXIMUM SIZE AGGREGATES SHALL BE 20MM U.O.
7. MINIMUM SUMP IN CONCRETE SHALL BE 75 MM TO 100 MM AT THE POINT OF PLACING UO.
8. LOCATIONS AND DETAILS OF CONSTRUCTION JOINTS IN CONCRETE STRUCTURES, WHEREVER NOT SPECIFIED SHALL BE SO APPOINTED FROM THE ENGINEER PRIOR TO CONSTRUCTION.
9. RESPECTIVE FLEXURES AND POCKET SLABS NOT SHOWN IN THE STRUCTURAL DRAWINGS SHALL BE PLACED IN POSITION BEFORE CONCRETING AS PER THE DRAWINGS OF RESPECTIVE DESIGNS.

QUALITY ASSURANCE MANUAL/METHOD STATEMENT/SAFETY DURING CONSTRUCTION AND TEMPORARY WORKS

1. THE CONTRACTOR SHALL SUBMIT ELABORATE METHOD STATEMENTS QUALITY ASSURANCE MANUAL/TEMPORARY WORK DETAILS WITH DETAILED DRAWINGS TO THE ENGINEER WELL IN ADVANCE OF THE START OF FIELD CONSTRUCTION OPERATIONS FOR HIS APPROVAL BEFORE COMMENCEMENT OF WORK AT SITE.
2. CONSTRUCTION SEQUENCE METHODOLOGY / SHUTTERING DETAILS WITH DETAILED DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER WELL IN ADVANCE OF THE START OF FIELD CONSTRUCTION OPERATIONS FOR HIS APPROVAL BEFORE COMMENCEMENT OF WORK AT SITE.
3. SPECIAL CONSIDERATION TO THE ENGINEER'S SATISFACTION SHALL BE GIVEN TO THE SAFETY ASPECTS OF THE CONSTRUCTION FOR PROTECTION OF WORKERS AND PUBLIC. MEASURES SHALL BE TAKEN TO ENSURE ENVIRONMENT PROTECTION DURING CONSTRUCTION. ELABORATE SCHEMES FOR THESE SHALL BE SUBMITTED TO THE ENGINEER WELL IN ADVANCE OF THE START OF FIELD CONSTRUCTION OPERATIONS FOR HIS APPROVAL BEFORE COMMENCEMENT OF WORK AT SITE.

QUALITY CONTROL:

1. ALL MATERIALS SHALL BE EITHER AT AN APPROVED LABORATORY OR MANUFACTURERS CERTIFICATES OBTAINED AS PER THE REQUIREMENTS OF THE BID SPECIFICATIONS.
2. ALL WORKS BELOW GROUND LEVEL SHALL BE EXECUTED IN DRY CONDITION.
3. ALL WORKS BELOW GROUND LEVEL SHALL BE EXECUTED IN DRY CONDITIONS.
4. BACKFILLING SHALL BE DONE IN LAYERS NOT EXCEEDING 300MM THICKNESS IN LOOSE STATE EACH LAYER SHALL BE COMPACTED TO THE OPTIMUM DENSITY.
5. BACKFILLING SHALL BE DONE WITH SOILS HAVING ANGLE OF INTERNAL FRICTION (ψ) NOT LESS THAN 30°. SOIL HAVING ANGLE OF INTERNAL FRICTION (ψ) BELOW 30° SHALL NOT BE USED FOR BACKFILLING.
6. SAFE SLOPE OF EXCAVATION SHALL BE WORKED OUT BY THE CONTRACTOR FOR THIS PURPOSE THE REPORT OF SURFACE INVESTIGATION MAY BE CONSULTED.
7. 100mm THICK LEAN CONCRETE SHALL BE PLACED BELOW ALL FOUNDATIONS AND BEAMS/SLABS RESTING ON GROUND AS PER SPECIFICATIONS.
8. ALL FOUNDATIONS SHALL REST ON VIRGIN SOIL. IN CASE EARTH IS EXCAVATED BELOW THE FOUNDING LEVEL, THE SAME (EXTRA EXCAVATION) SHALL BE FILLED WITH 1:4:8 CONCRETE UPTO THE FOUNDING LEVEL.

LEVEL INDICATED IN ELEVATION

LEVEL INDICATED IN PLAN

SH-00

VIRDI

WATER

1. WATER TO BE USED IN CONCRETING, GROUTING AND CURING ETC. SHALL CONFORM TO IS:456-2000. HOWEVER, FOR R.C.C STRUCTURES, THE TOTAL CHLORIDE CONTENT AND WATER SOLUBLE SULPHATE IN CONCRETE (FROM VARIOUS CONSISTUENT SUCH AS WATER, CEMENT, ADJUVANTS AND AGGREGATES) SHALL NOT BE MORE THAN 0.15 % & 4 PERCENT RESPECTIVELY.