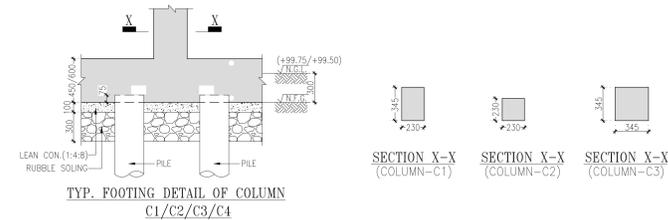
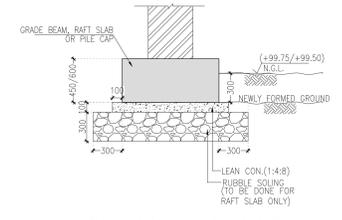


GRADE BEAM LAYOUT



TYP. FOOTING DETAIL OF COLUMN C1/C2/C3/C4



TYPICAL SECTION OF GRADE BEAM, RAFT SLAB OR PILE CAP

COLUMN	SIZE
C1	230X345
C2	230X230

BEAM	SIZE
GB1	1000X600
GB2	450X600
GB3	1430X600
GB4	1504X600
GB5	1414X600
GB6	1200X600

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NOTES:

REFERENCE: ALL DIMENSIONS TO BE CHECKED AND CORRELATED WITH ALL RELATED DRAWINGS AND ANY AMBIGUITY SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE ENGINEER BEFORE COMMENCEMENT OF THE WORK.

FOUNDATION: ALL DIMENSIONS ARE MM AND LEVELS ARE IN METERS. ALL DIMENSIONS ARE TO BE READ AND NOT TO BE MEASURED.

PILE: INITIAL AND ROUTINE TEST OF PILES TO BE CARRIED OUT AS PER IS 2911 (Part-04)-1985. FILING ON BOTH SIDES OF WALL WHEN REQUIRED SHALL BE BALANCED IN STAGES AND LEVELS.

MASONRY SPEC: ALL MASONRY WALLS SHALL BE CONSTRUCTED FROM BURNT CLAY BRICKS UP TO SL. LEVEL WITH MIN. CRUSHING STRENGTH OF 7.5 N/mm² ON GROSS AREA UNLESS OTHERWISE SPECIFIED. BRICK MASONRY SHALL BE BEDDED WITH CEMENT : SAND MORTAR IN PROPORTION OF 1:4 UNLESS OTHERWISE SPECIFIED.

CE BLOCK: ALL CEED MASONRY WALLS SHALL BE CONSTRUCTED FROM COMPRESSED STABILIZED EARTH BLOCK WITH MIN. CRUSHING STRENGTH OF 7.5 N/mm² ON GROSS AREA UNLESS OTHERWISE SPECIFIED.

MASONRY SPEC: CEED MASONRY SHALL BE BEDDED WITH CEMENT : SAND MORTAR IN PROPORTION OF 1:4 UNLESS OTHERWISE SPECIFIED. PROOF TEST IS RECOMMENDED TO ENSURE THE EFFICIENCY OF MASONRY WALL AGAINST COMPRESSED STABILIZED EARTH BLOCK.

CONC. SPEC: ALL CONCRETE MIX M25 UNLESS OTHERWISE SPECIFIED.

REINFORCEMENT: # INDICATES TMT STEEL (Fe 500) OF YIELD STRENGTH 500 N/mm².

COVER: CLEAR COVER TO MAIN STEEL IS AS FOLLOWS:
 PILES : 50 mm
 PILE CAP : 80 mm
 GRADE BEAM : 30 mm
 FOOTINGS : 50 mm
 DECK & TOP : 50 mm
 BOTTOM : 40 mm
 COLUMNS & PEDESTALS : 30 mm
 BEAMS & LINTELS : 25 mm
 SLABS : 25 mm

JACOBY PILES: LAP LENGTH IS FIFTY TIMES BAR DIAMETER.

LEGENDS:
 [Symbol] COLUMN/WALL STARTS FROM THIS LEVEL.
 [Symbol] COLUMN/WALL STOPS AT THIS LEVEL.

FOR TENDER PURPOSE ONLY

No.	Date	Remarks

Date	Prints Issued to	Date	Prints Issued to

- Consultants
- Structural Consultants: VINOD SHAH Consulting Engineers Pvt. Ltd.
 - Services Consultants: DBHMS
 - Landscape Consultants: Earthscapes Consultancy Pvt Ltd
 - Road and Pathways Consultants: Arhmm Infra Consultants LLP

Project: Nalanda University, Rajgir, Bihar

Title: STRUCTURAL G.A. DRAWINGS OF GRADE BEAM LAYOUT & DETAILS FOR STUDENT HOUSING (TYPE-11)

Dealt: HS Drawing No. NUC-RSH-S-A.11.2
 Checked: AJ Scale: 1:50, 1:25
 Date: 09/06/2016

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