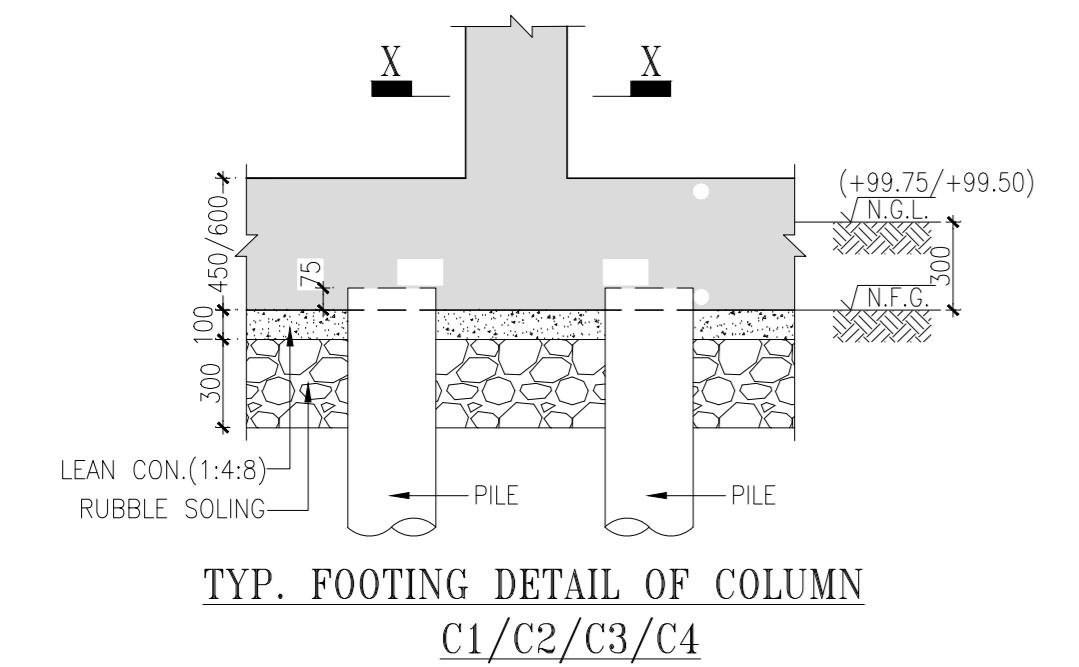
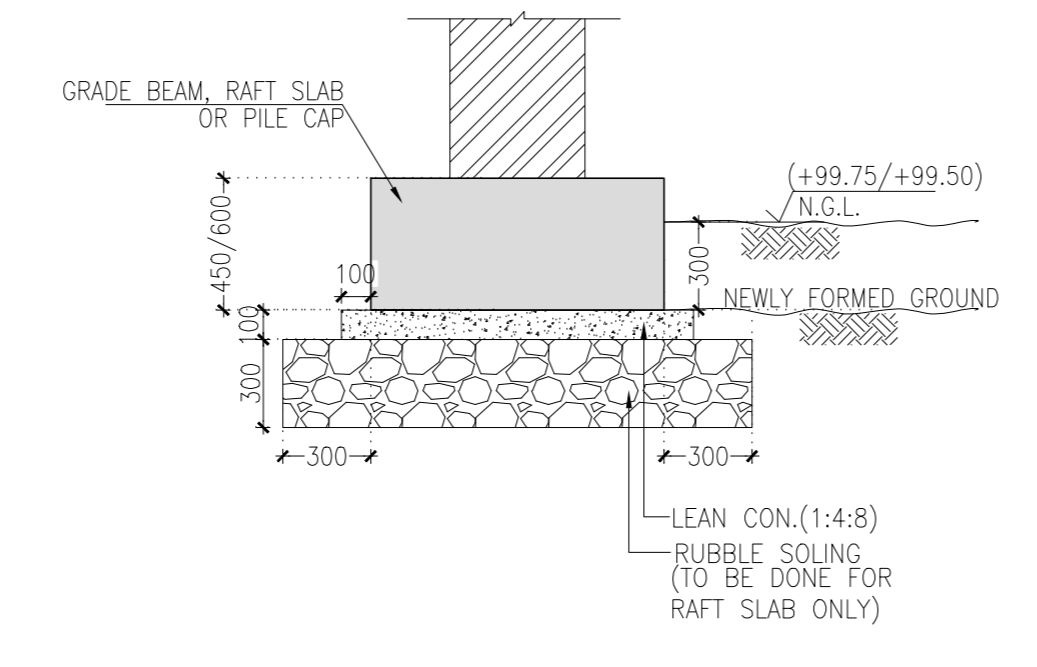


COLUMN SCHEDULE		GRADE BEAM SCHEDULE	
COLUMN	SIZE	BEAM	SIZE
C1	230x345	GB1	1000x600
C2	230x230	GB2	450x600
C3	345x345	GB3	1503x600
		GB4	1200x600
		GB5	1625x600



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



TYPICAL SECTION OF GRADE BEAM, RAFT SLAB OR PILE CAP

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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 PILES: ALL DIMENSIONS ARE MM AND LEVELS ARE IN METERS. ALL DIMENSIONS ARE TO BE READ AND NOT TO BE MEASURED. PILING WORK TO BE DONE AS PER IS 2911-2010. 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 SILL LEVEL WITH MIN. COMPRESSIVE 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.

CEILING SPEC: ALL CEILING MASONRY SHALL BE CONSTRUCTED FROM COMPRESSED STABILISED EARTH BLOCK WITH MIN. COMPRESSIVE STRENGTH OF 7.5 N/mm² ON GROSS AREA UNLESS OTHERWISE SPECIFIED. CEILING MASONRY SHALL BE BEDDED WITH CEMENT : SAND MORTAR IN PROPORTION OF 1:4 UNLESS OTHERWISE SPECIFIED. PROM TEST IS RECOMMENDED TO ENSURE THE EFFICIENCY OF MASONRY WALL AGAINST COMPRESSED STABILISED 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 : 50 mm
 COLUMNS & PEDESTALS : 40 mm
 BEAMS & LINTELS : 30 mm
 SLABS : 25 mm

LAP/ SPLICES: 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

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

Project
Nalanda University, Rajgir, Bihar

Title
STRUCTURAL G.A. DRAWINGS OF GRADE BEAM LAYOUT & DETAILS FOR STUDENT HOUSING (TYPE-10)

Dealt : HS Drawing No.
 Checked : AJ NUC-MSH - S - A.10.2
 Scale : 1:50, 1:25
 Date : 09/06/2016

VASTU SHILPA CONSULTANTS
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