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REVISION		
S.NO	DESCRIPTION	APPROVED DATE

PROJECT :
Proposed Ground + 1 Residential Building at Yercaud.

CLIENT : Mr. Elango.

DRAWING DETAILS
Isolated Foundation Details.

JOB NUMBER: 01/21 **REVISION NO** - 00

DRAWN BY : N. Jagadish, M.E. **DRAWING NO-** 01/03

SCALE: N.T.S **DATE :** 06.01.2021

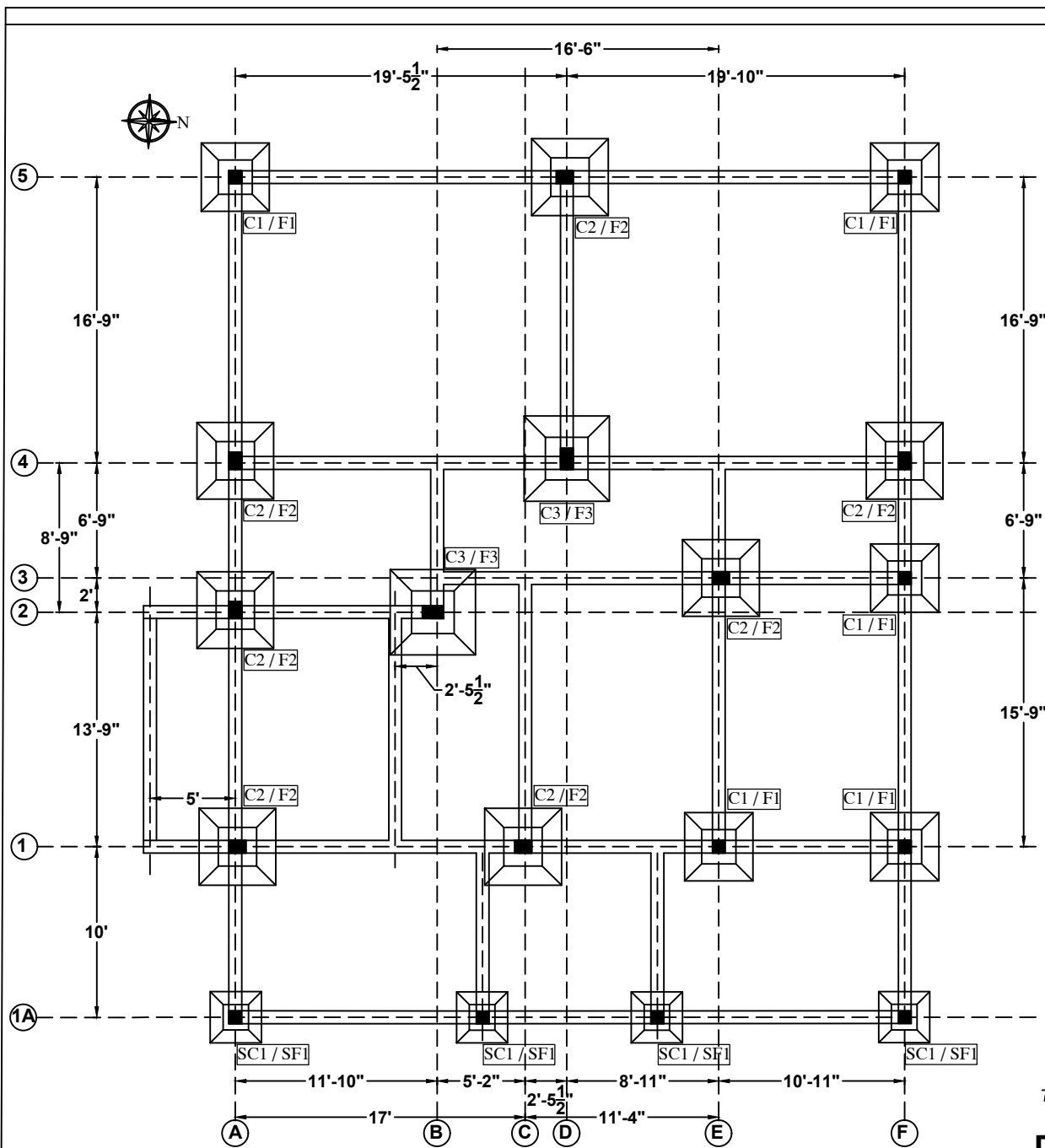
SHEET NUMBER : 01/05 **SIZE:** A3

Desgins By:

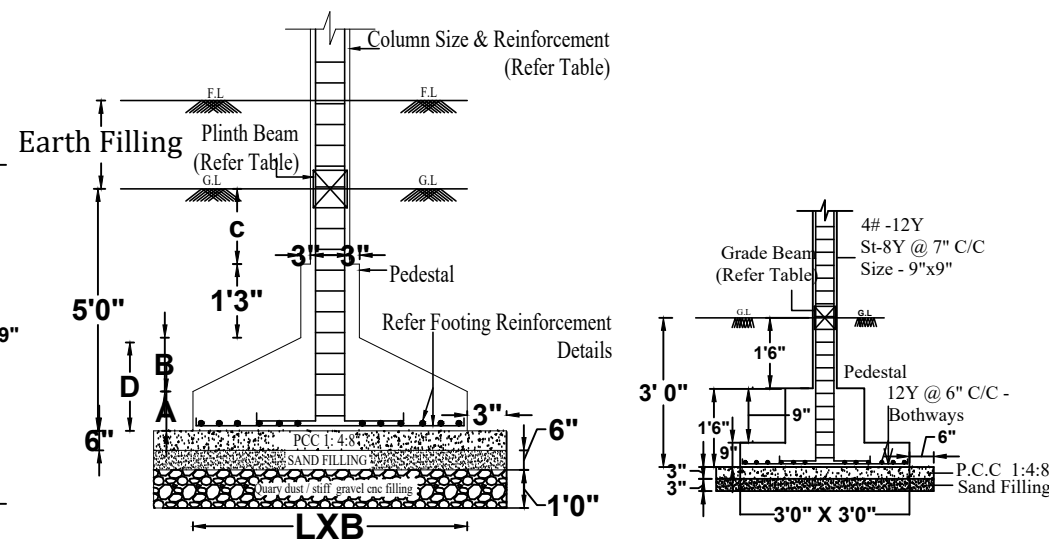
Deekshi Homes

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SEAL & SIGNATURE



FOUNDATION & PLINTH BEAM LAYOUT



ISOLATED FOOTING DETAILS STRUT FOOTING DETAILS SF1/SC1
COLUMN REINFORCEMENT DETAILS

COLUMN MARK	NO'S	GROUND FLOOR	FIRST FLOOR	HEAD ROOM
C1	5	6# -12mm 8# @ 6" c/c	4# -12mm 8# @ 6" c/c	---
C2	7	6# -16mm 8# @ 6" c/c	6# -12mm 8# @ 6" c/c	4# -12mm 8# @ 6" c/c
C3	2	6# -16mm 8# @ 6" c/c	6# -12mm 8# @ 6" c/c	6# -12mm 8# @ 6" c/c

NO TECHNICAL CHANGES SHOULD BE ADOPTED DUE TO PRACTICAL DIFFICULTIES WITHOUT THE CONFIRMATION OF STRUCTURAL ENGINEER .

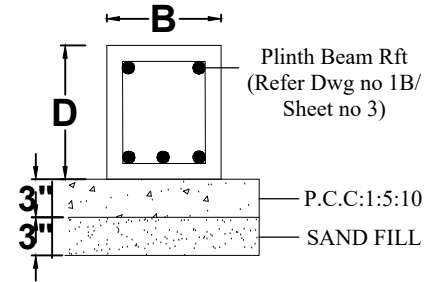
LAPPING OF COLUMN RODS SHOULD NOT BE DONE AT THE SAME LEVEL

ALL DIMENSIONS ARE IN FOOT AND INCHES

DEPTH OF ALL FOOTING FOUNDATION SHOULD BE AT SAME LEVEL

NOTES :

- GRADE OF CONCRETE : M 20 (AS PER IS 456-2000)
- GRADE OF STEEL Fe 415 (AS PER IS 1786-1985)
- COVERS.
 - FOR GRADE BEAM -1" (25MM)
 - FOR FOOTING BOTTOM - 2" (50 MM)
 - FOR COLUMN - 1 1/2" (40 MM)
 - FOR COLUMN BELOW G.L -2" EXTRA COVER
 - FOR FOOTING SIDE - 3" (75 MM)
- REMOVAL OF FORM WORKS FOR COLUMNS -24 HRS AFTER CASTING.
- LAP LENGTH FOR ALL BARS SHALL BE 50 x DIA
- SAFE BEARING CAPACITY OF SOIL IS 30 t / m2
- FOUNDATION IS DESIGNED FOR GROUND + 1 UPPER FLOORS ONLY



PLINTH BEAM SECTION DETAILS

WATER CEMENT RATIO FOR 1 BAG OF CEMENT USE MAXIMUM OF 25 LITRES OF WATER.

USE 53 GRADE CEMENT

FOOTING REINFORCEMENT DETAILS

FOOTING MARK	NOS	L	B	D	A	B	C	Dia. (mm)	Spacing		Remarks
									Main (B)	Dist (L)	
F1	5	4'0"	4'0"	1'9"	9"	1'0"	1'9"	12	6"	6"	Single Mat
F2	7	4'6"	4'6"	2'0"	9"	1'3"	1'6"	12	6"	6"	Single Mat
F3	2	5'0"	5'0"	2'6"	1'0"	1'6"	1'0"	12	6"	6"	Single Mat