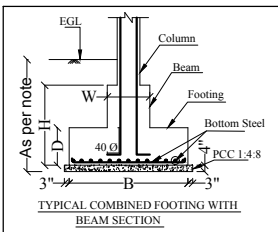
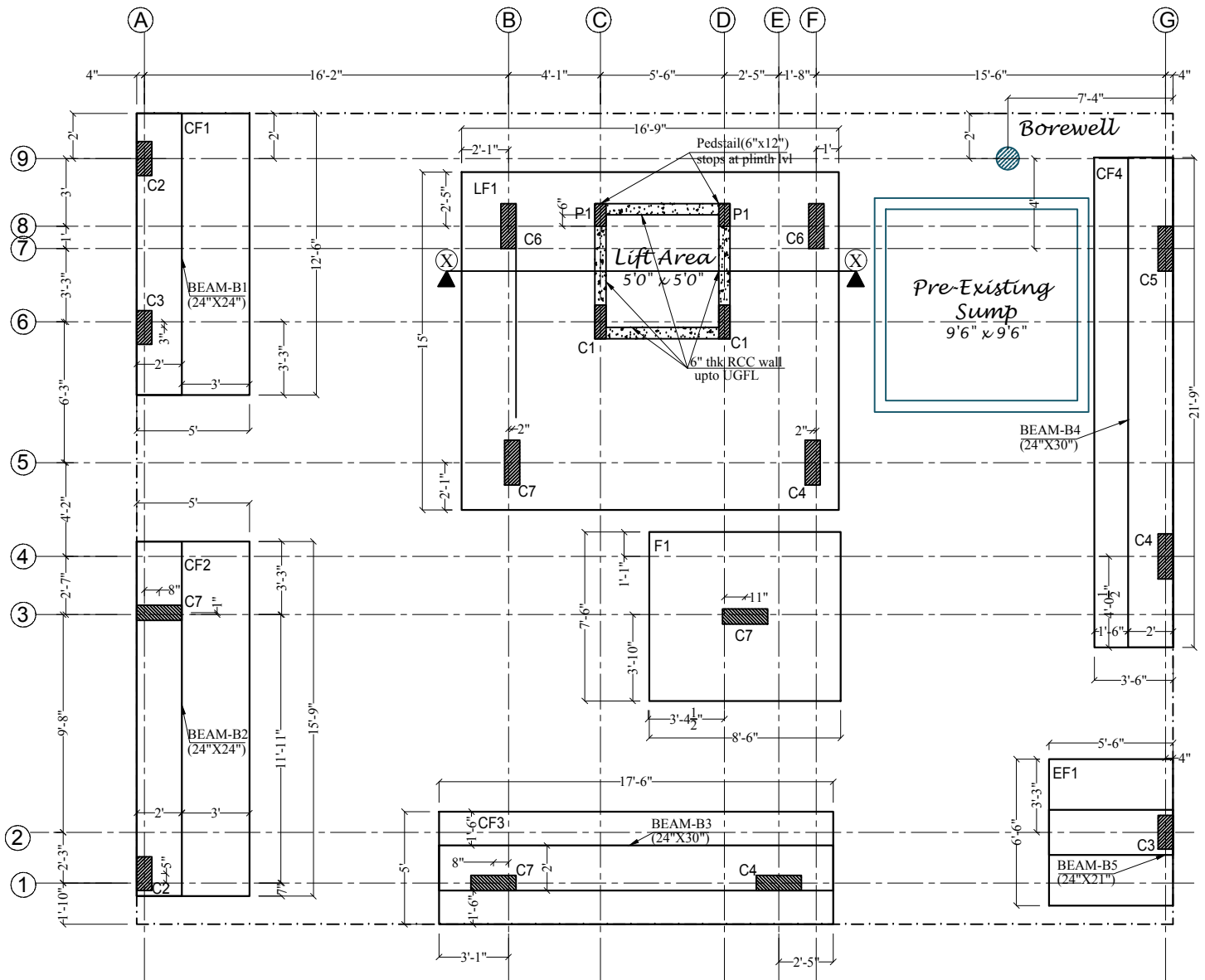


ALL DIMENSIONS AND LEVELS SHALL BE CROSS CHECKED WITH THE RELEVANT ARCHITECTURAL DRAWING BEFORE EXECUTION. ARCHITECTURAL DIMENSIONS & LEVELS ONLY SHALL BE FINAL.



#### NOTE:

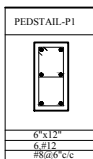
1. ALL DIMENSIONS ARE IN FEET AND INCHES.
2. GRADE OF STEEL = FE500.
3. GRADE OF CONCRETE = M25.

#### KEY:

UGFL = UNFINISHED GROUND FLOOR LVL.  
EGL = EXISTING GROUND LEVEL.

#### NOTE:

1. DO NOT SCALE THE DRAWING. FOLLOW WRITTEN DIMENSIONS ONLY.
2. ANY DISCREPANCIES IN THE DRAWING DETAILS, MEASUREMENTS OR OTHERWISE SHALL BE BROUGHT TO THE NOTICE OF THE STRUCTURAL CONSULTANT BEFORE EXECUTION.



#### NOTE:

1. MINIMUM DEPTH OF EXCAVATION FOR FOOTINGS SHALL BE 5'-6" BELOW ROAD LEVEL.
2. DEPTH OF EXCAVATION FOR LIFT FOOTING (LF1) SHALL BE 8'-3" BELOW UGFL.
3. MINIMUM DEPTH OF EXCAVATION FOR FOOTINGS CF2 AND CF1 SHALL BE SUCH THAT TOP LEVEL OF THE FOOTING SHALL BE AT THE BOTTOM LVL OF THE RAW WATER TANK.

#### NOTE:-

1. IN VIEW OF THE PROXIMITY OF THE NEIGHBOURING BUILDINGS, MASS EXCAVATION SHALL NOT BE DONE.
2. FOOTINGS SHALL BE INDIVIDUALLY EXCAVATED. CONCRETE SHALL BE CAST AND BACK FILLING OF EARTH SHALL BE DONE BEFORE COMMENCING THE EXCAVATION FOR THE NEXT FOOTING.

#### NOTE:

1. Proper care shall be taken to ensure that no damage is done to neighbouring buildings during excavation.
2. Continuous monitoring by site supervisor is needed to ensure no soil settlement/ landslide occurs beyond excavated area.
3. It is recommended to shore up the exposed vertical earth walls of the excavated basement area by means of sheets / planks with diagonal props or piling up of sand bags to ensure there is no caving in of the exposed earth side walls.

#### GENERAL NOTES:

1. DO NOT SCALE THE DRAWING. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN FEET AND INCHES.
2. # DENOTES HIGH YIELD STRENGTH DEFORMED TMT BARS CONFORMING TO IS: 1786 OF GRADE FY = 500 N/mm<sup>2</sup>.
3. LAPS FOR BARS SHALL BE PROVIDED WITH A MINIMUM OF 40 TIMES DIA FOR COLUMNS AND 50 TIMES DIA FOR BEAMS AND LAPS SHALL BE STAGGERED UNLESS SPECIFIED OTHERWISE.
4. MAIN REINFORCEMENT SHALL HAVE A MINIMUM COVER OF 2" IN FOOTINGS, 1 1/2" IN COLUMNS, 1" IN BEAMS AND 5/8" IN SLABS.
5. NOT MORE THAN HALF THE TOTAL NUMBER OF BARS SHALL BE LAPPED AT ANY SECTION.
6. SLABS AND BEAMS SHALL HAVE NO HORIZONTAL JOINTS. ANY STOPPAGE OF CONCRETE WORK SHALL BE AS DIRECTED BY ENGINEER IN CHARGE.
7. UNLESS SHOWN OTHERWISE, ALL ISOLATED FOOTINGS ARE CONCENTRIC WITH THEIR RESPECTIVE COLUMNS.
8. GRADE OF CONCRETE: M25.
9. ASSUMED SAFE BEARING PRESSURE OF SOIL = 18T SOPT AS PER SOIL REPORT.
10. MINIMUM DEPTH OF EXCAVATION SHALL BE 5'-6" BELOW ROAD LEVEL.
11. CONCRETE MIX PROPORTION SHALL BE DESIGNED TO GET M25 CONCRETE. TRIAL CUBES SHALL BE CAST TO ASCERTAIN THE STRENGTH OF DESIGN MIX CONCRETE BEFORE TAKING UP ANY RCC WORK.
12. READ THIS DRAWING ALONG WITH RELEVANT ARCHITECTURAL DRAWING. THE DIMENSIONS AND LEVELS IN THE ARCHITECTURAL DRAWINGS ONLY SHALL BE CONSIDERED FINAL.
13. ALL COLUMN AND FOOTING CENTRE LINE DIMENSIONS SHALL BE CROSS CHECKED WITH THE RELEVANT ARCHITECTURAL DRAWING BEFORE EXECUTION ON SITE.
14. NO FOOTING SHALL REST ON SLOPING SURFACES OF ROCKS. THE ROCK SURFACE SHALL BE CHIPPED TO PROVIDE A LEVEL BED FOR THE FOOTING BASE.
15. FOUNDATIONS ARE DESIGNED FOR GROUND PLUS THREE UPPER FLOORS.

#### FOOTING SCHEDULE:-

FOOTING NO	FOOTING		BEAM		BOTTOM STEEL		TOP STEEL	
	L	B	D	W	H	SHORTER BARS	LONGER BARS	SHORTER BARS
CF1	12'-6"	5'-0"	21"	24"	24"	#12@6"/c	#12@6"/c	-
CF2	15'-9"	5'-0"	21"	24"	27"	#12@6"/c	#12@6"/c	-
CF3	17'-6"	5'-0"	21"	24"	30"	#12@6"/c	#12@6"/c	-
CF4	21'-9"	3'-6"	21"	24"	30"	#12@6"/c	#12@6"/c	-
LF1	16'-9"	15'-0"	27"	-	-	#12@4"/c	#12@4"/c	#12@4"/c
F1	8'-6"	7'-6"	27"	-	-	#12@5"/c	#12@5"/c	-
EF1	6'-6"	5'-6"	18"	24"	21"	#12@7"/c	#12@7"/c	-

DRG. TITLE:-

FOOTING AND COLUMN LAYOUT DETAILS

PROJECT:-

PROPOSED RESIDENTIAL BUILDING FOR



DATE: 28-06-2021

DWG NO: S - 01

SCALE: NTS

DRAWN: SUDHA

DEALT: RUDRESH

CKD: MONTH