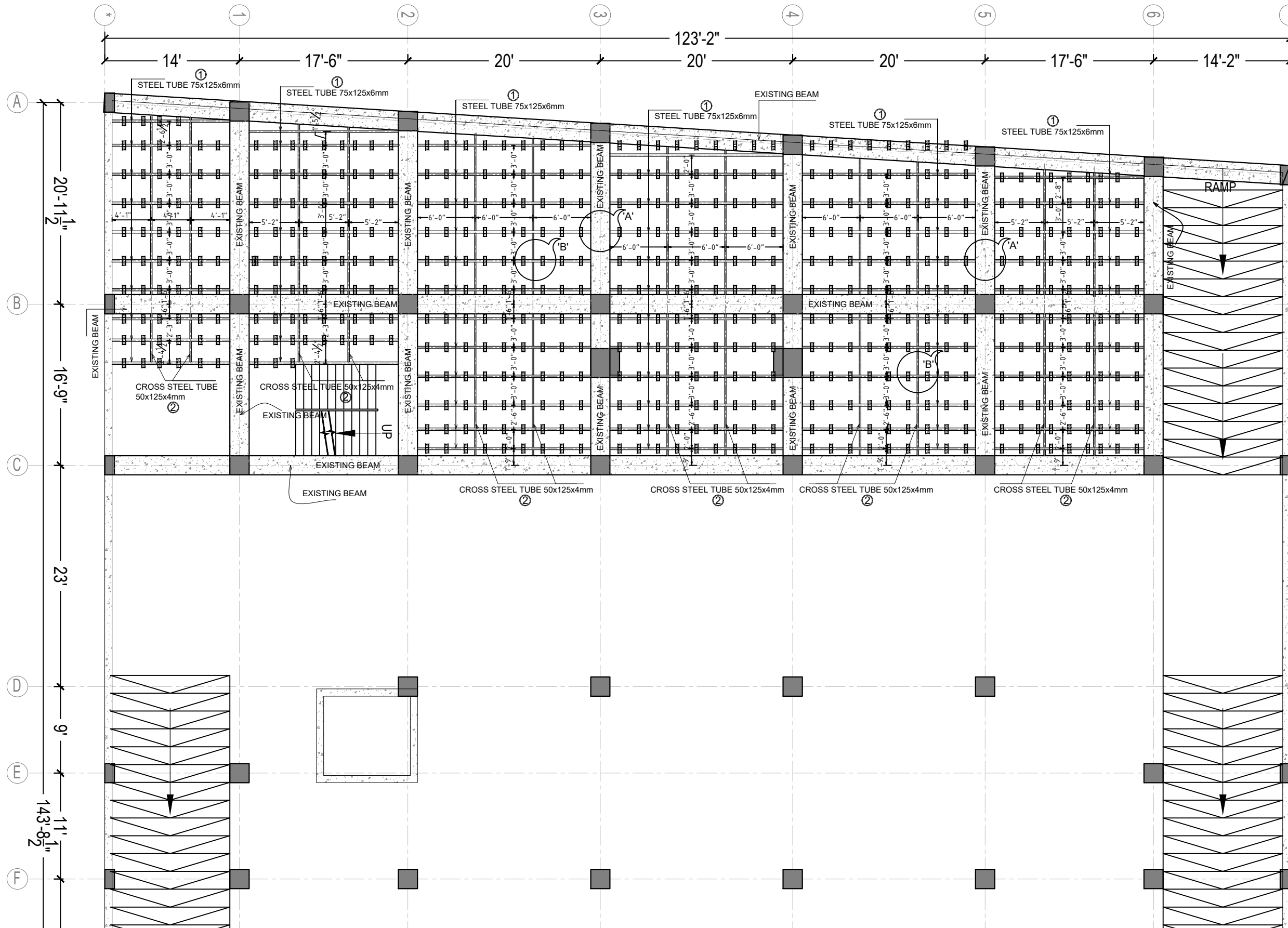


## Annex- A6

### Structural Retrofit Scheme

(Ground Floor- Backyard Slab)



STEEL TUBES LAYOUT PLAN

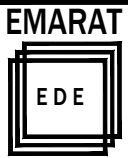
NOTE :  
IF ANY STRUCTURAL DETAIL IS MISSING  
PLEASE CONTACT DESIGN ENGINEER FOR  
PROVISION OF DETAILS. ANY DETAIL SHOULD  
NEVER BE EXECUTED AT SITE WITHOUT  
STRUCTURAL DRAWING.

PROJECT:  
ADD/ALT STRUCTURE DRAWINGS  
CONSTRUCTION OF OFFICE BUILDING AT  
REGIONAL TAX OFFICE, G-9/1,  
ISLAMABAD.

CLIENT:

REV.	DESCRIPTION	DATE	CHECKED BY

PROJECT CONSULTANT:



**EMARAT**  
**EDE**

**DESIGN & ENGINEERING**

ADDRESS & CONTACT:  
Office # 01-1ST Floor Plaza # 14c, Niaz arcade.  
Abu Bakar Commercial, Bahria Town,  
Rawalpindi. emarat.ede@gmail.com,  
cewaqar@gmail.com Cell# +92-331-7204875

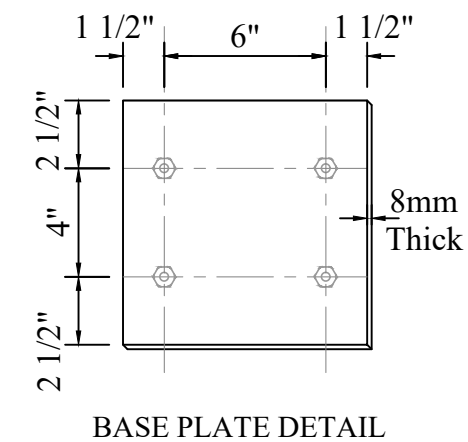
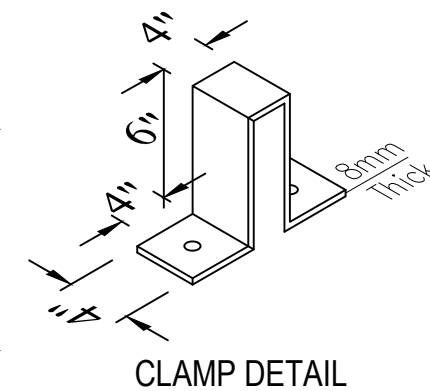
DESIGN BY:	Engr. WAQAR SALEEM
DRAWN BY:	USMAN TALIB
CHECKED BY:	Engr. WAQAR SALEEM
DATE: 23-10-2023	SCALE: N.T.S

DRAWING TITLE  
EXISTING GROUND FLOOR SLAB  
REINFORCEMENT PLAN

DRAWING NO:  
S-102

ENGINEER 'S SIGNATURE

4- All Connected members shall be welded all around at interface.

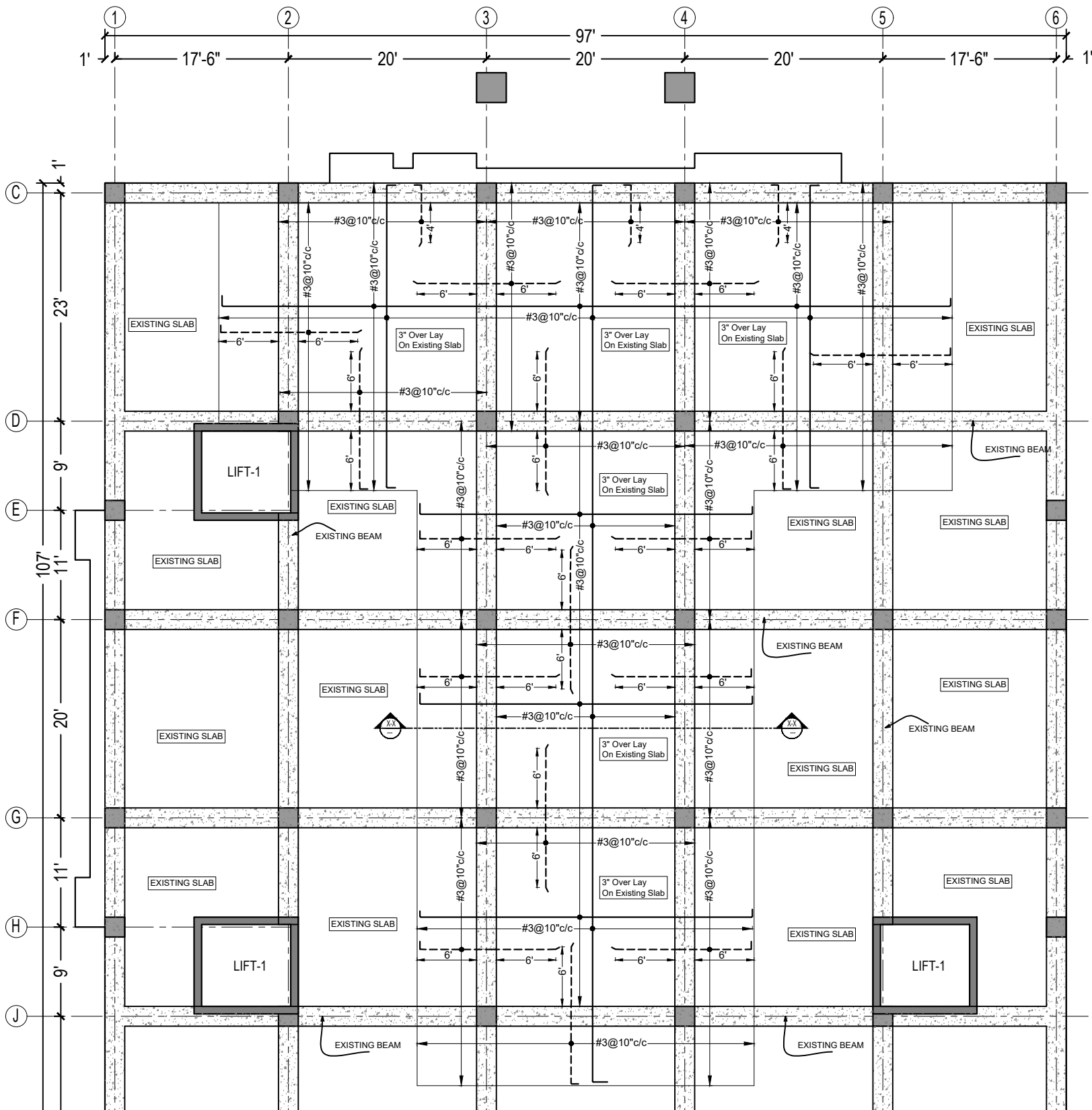


ENGINEER'S SIGNATURE

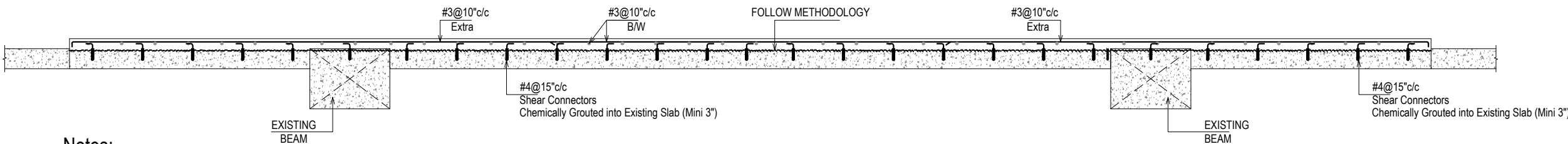
## Retrofit Scheme, Data Center (First Floor)

METHODOLOGY:-

1. REMOVE ALL FLOOR TILES AND MORTAR/BOND UNDERNEATH.
2. CHISEL THE TOP OF STRUCTURAL SLAB, DON'T USE POWER HAMMER OR HILTI.
3. CLEAN THE TOP SURFACE WITH STEEL WIRE BRUSH.
4. REMOVE LOOSE CONCRETE.
5. USE PRESSURE AIR GUN TO CLEAN THE TOP SURFACE.
6. DRILL THE BORE HOLES OF 14MM FOR M12 CONNECTORS@15"C/C BOTH WAYS.
7. DEPTH OF BORE HOLES SHALL BE 75MM.
8. DO NOT DAMAGE /CUT THE STEEL REINFORCEMENT.
9. APPLY OLD TO NEW CONCRETE BASF MASTER BRACE 1414 OR EQUIVALENT.
10. POUR CONCRETE, CONCRETE MIX SHALL BE 3000 PSI,DESIGN THIS MIX AS SELF COMPACTING CONCRETE BY ADDING ADMIXTURE.



SLAB RETROFITTING (FIRST FLOOR)  
3" Over Lay Reinforcement Plan



- Notes:
- 1- Concrete  $f'_c$  = 3000Psi
  - 2- Steel  $f_y$  = Grade-60

SECTION AT X-X

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ADD/ALT STRUCTURE DRAWINGS  
CONSTRUCTION OF OFFICE BUILDING AT  
REGIONAL TAX OFFICE, G-9/1,  
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CLIENT:

REV.	DESCRIPTION	DATE	CHECKED BY

PROJECT CONSULTANT:

**EMARAT**  
**EDE**

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cewaqar@gmail.com Cell# +92-331-7204875

DESIGN BY:	Engr. WAQAR SALEEM
DRAWN BY:	USMAN TALIB
CHECKED BY:	Engr. WAQAR SALEEM
DATE: 23-10-2023	SCALE: N.T.S

DRAWING TITLE  
SLAB RETROFITTING (FIRST FLOOR)

DRAWING NO:  
S-103

ENGINEER 'S SIGNATURE