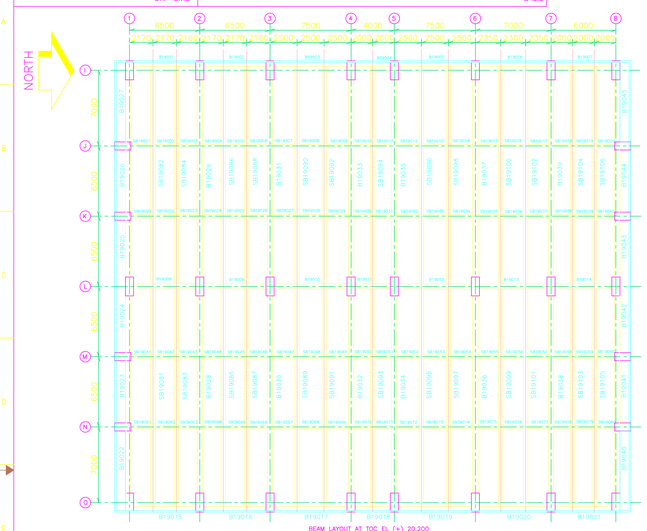

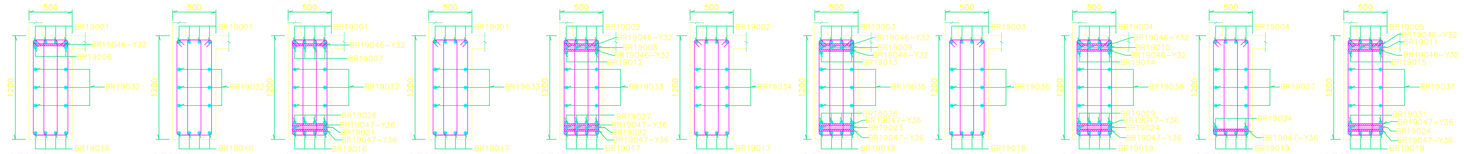

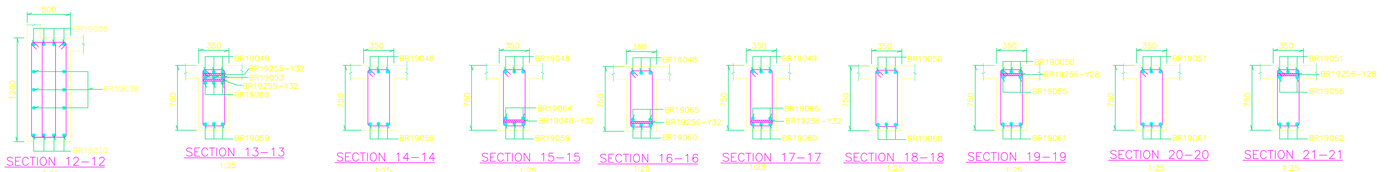

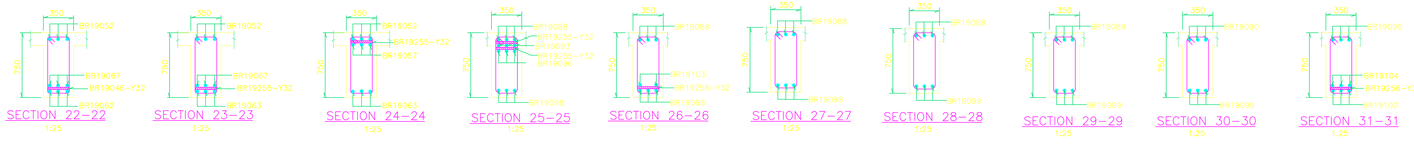

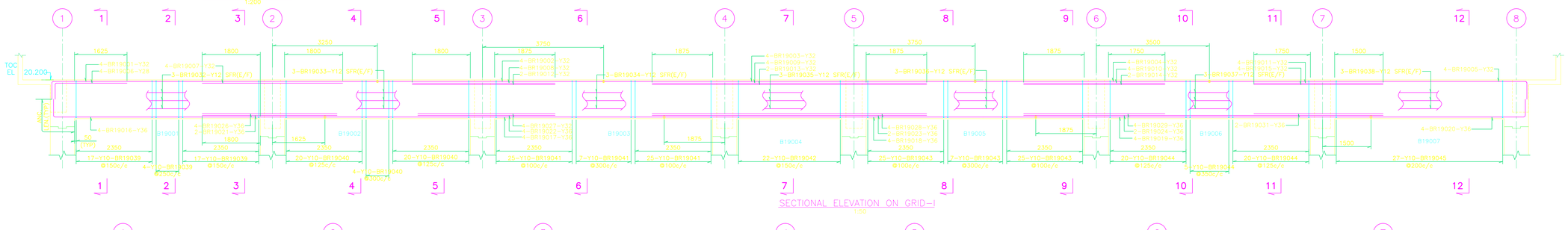

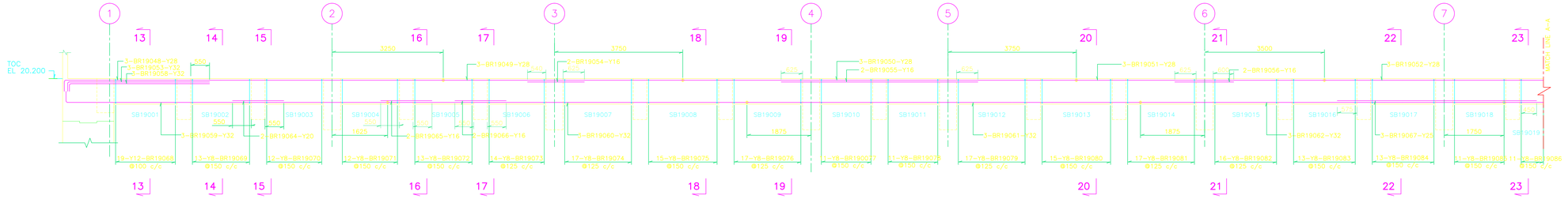

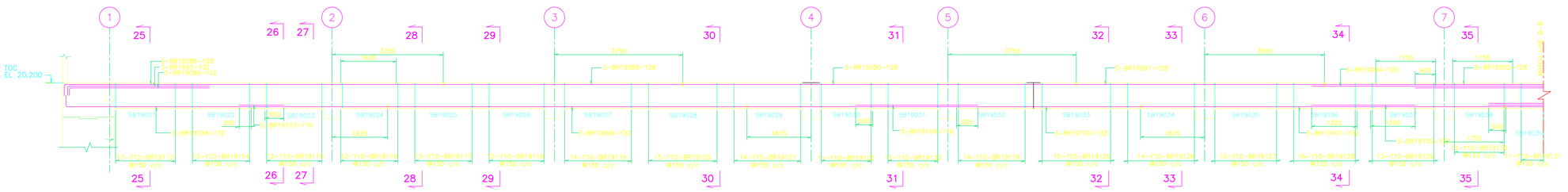

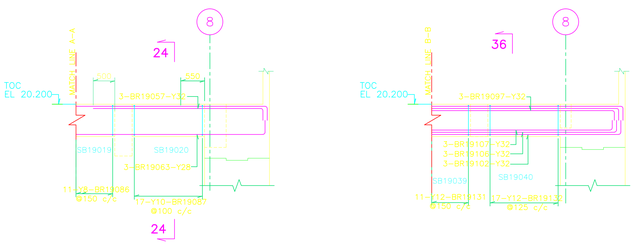

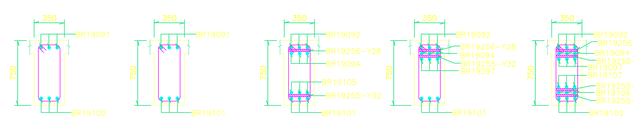

LEGENDS:

TYP —— TYPICAL
UNO —— UNLESS NOTED OTHERWISE
EL —— ELEVATION LEVEL
C —— CENTER LINE
ANC.LEN —— ANCHOR LENGTH
THK —— THICKNESS
TOC —— TOP OF CONCRETE
CJ —— CONSTRUCTION JOINT
—— COUPLER

BR19XXX — BEAM NO. / LEVEL / ZONE NO. / BEAM

BR19XXX — BAR MARK NO. / LEVEL / ZONE NO. / REINF. / BEAM

NOTES:

1. ALL DIMENSIONS ARE IN MILIMETERS AND ELEVATIONS IN METERS UNO.
2. FIRST STIRRUP SHALL START AT 50mm FROM THE FACE OF COLUMN.
3. REINFORCEMENT STEEL SHALL BE OF GRADE Fe500D CONFORMING TO IS: 1786–2008 AND GRADE OF CONCRETE SHALL BE M/45/20/.
4. ALL BAR POSITIONS ARE MARKED TO THE CENTER LINE OF BARS UNO.
5. REINFORCEMENT, IF REQUIRED MAY BE MARGINALLY SHIFTED OR BENT TO CLEAR OPENING. REINFEMENT STEEL SHALL IN NO CASE IT SHALL BE CUT WITHOUT PRIOR APPROVAL OF ENGINEER.
6. THREADED BAR COUPLERS SHALL BE USED FOR EXTENSION OF BARS AT LOCATIONS SHOWN IN DRAWING.
7. TO MAINTAIN CORRECT POSITION OF REINFORCING BARS AND TO PREVENT DISPLACEMENTS OF BARS DURING PLACING AND COMPACTION OF CONCRETE, COVER BLOCKS, SPACERS AND CHAIRS CONFORMING TO IS:2502, SHALL BE USED.
8. LAP LENGTH SHALL NOT BE LESS THAN 50 TIMES DIAMETER OF BARS.
9. LAPS SHALL BE STAGGERED SO THAT NOT MORE THAN 50% BARS ARE SPLICED AT SAME LOCATION. CLEAR DISTANCE BETWEEN SUCH STAGGERED SPLICES SHALL NOT BE LESS THAN 1.3 TIMES LAP LENGTH.
10. STIRRUPS SHALL HAVE 135° HOOK WITH 10 DIAMETER EXTENSION (BUT NOT LESS THAN 75mm) AT EACH END.

11. CLEAR COVER FOR MAIN REINFORCEMENT SHALL BE AS FOLLOWS UNO: ALL BEAM BOTTOM AND SIDE — 70MM
FOR BEAM TOP — 35MM
12. BAR NO. BR19310, BR19320, BR19355, R19361, R19368, BR19375, BR19376, BR19377, BR19378 ARE NOT USED.

CONSTRUCTION REFERENCE DWG.:

	ENGINEERING REFERENCE DRAWING (TITLE)	DRAWING NO.	REV NO.
1.	BEAM LAYOUT DRAWIG AT TOC.EL.(+)16.500 FOR FFF BUILDING–1, ZONE–1	XXXXX–62250–DD–2136	C
2.			
3.			
4.			
5.			
6.			

XXXXX	CHECKED STAGE–1	CHECKED STAGE–2	APPROVED STAGE–1	APPROVED STAGE–2
CIVIL				
MECH				
PROCESS				

XXXXX	CHECKED STAGE–1	CHECKED STAGE–2	APPROVED STAGE–1	APPROVED STAGE–2
ELEC				
I&C				

XXXXX'S ACCEPTANCE

DO NOT SCALE

ISSUE No.	DRAWING RELEASED FOR	DATE	REV. NO.	DESCRIPTION	DRAWN BY	DESD BY	DESN CHD BY	PROCESS	CIVIL	ELEC.	MECH/ SP.PRO.	I&C	APPROVED
1	REVIEW AND COMMENTS	15.07.11	A	FIRST ISSUE		ERK	ASD	–	KYD	–	–	–	MVS
2	REVISED AS MARKED	21.07.11	B										
3	REVISED AS MARKED	25.07.11	C										

ISSUE BLOCK — REVISION BLOCK

FILE NAME : FILE_NAME

CLIENT :

PROJECT :

TITLE: REINFORCEMENT DETAILS OF BEAMS

DESD.	DATE	
DESN CHD.	DATE	
DRN.	DATE	
DRG. CHD.	DATE	
APPD.	DATE	
SCALE: 1:100		DV= CV

ORIGINATING AGENCY

PROJECTION

DRG.NO. FRFCF/XXXXX/XX/XXXX

REV X

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