

# NOTES

## GENERAL

- All construction and erection done on site should conform to the laid standards of construction
  - The Engineer and/or client reserves the right to instruct the contractor to correct defective work(s)
  - This drawing is to be read in conjunction with all reference drawings
- CONCRETE
- ALL STRUCTURAL CONCRETE TO BE GRADE WR30 UNLESS OTHERWISE SHOWN.
  - ALL CONCRETE SECTIONS TO HAVE 30mm COVER . UNLESS OTHERWISE SHOWN.
  - MASS CONCRETE INFILL TO BE GRADE 15MPa.
  - MIN 50mm BLINDING (15MPa CONCRETE) TO BE PLACED UNDER ALL BASE SLABS.
  - ALL EXPOSED CORNERS TO HAVE 20mm CHAMFERS WHERE APPROPRIATE.
  - CONSTRUCTION JOINTS SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL.
  - CONCRETE MAY NOT BE CUT OR DEMOLISHED WITHOUT THE APPROVAL OF THE ENGINEER.
  - ABBREVIATIONS  
AS - Alternately staggered.  
MK - Mark (Bar Mark).
  - ALL STEEL AT SUPPORTS TO BE CENTRALLY PLACED ABOUT SUPPORTS UNLESS OTHERWISE NOTED.
  - MINIMUM LAPS TO BE 50Ø OF THE SMALLER BAR.

## REFERENCE DRAWINGS

No.	Drq No.	Title
1		
2		
3		
4		
5		

DATE	DRWN	REV BY	CHKD	APPD	ISSUE
NOV 2018	S.M	F.M	G.K	S.M	S.M



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P. O. Box 660  
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PREVIOUS VERSIONS OF THIS DRAWING SHOULD BE STAMPED SUPERSEDED OR DESTROYED DO NOT SCALE THIS DRAWING - IF IN DOUBT ASK

PROJECT TITLE

DESIGN OF CIVIL INFRASTRUCTURE  
FOR STRATHMORE HOUSING  
DEVELOPMENT

DRAWING TITLE

SEWAGE PUMPING STATION  
RAFT

CLIENT



HOMELINK (PVT) LTD  
Hardwicke House, 72-74  
Samora Machel Ave, P.O.  
Box 628, Causeway,  
HARARE, ZIMBABWE

SCALE

AS SHOWN

MASTER SIZE

A0

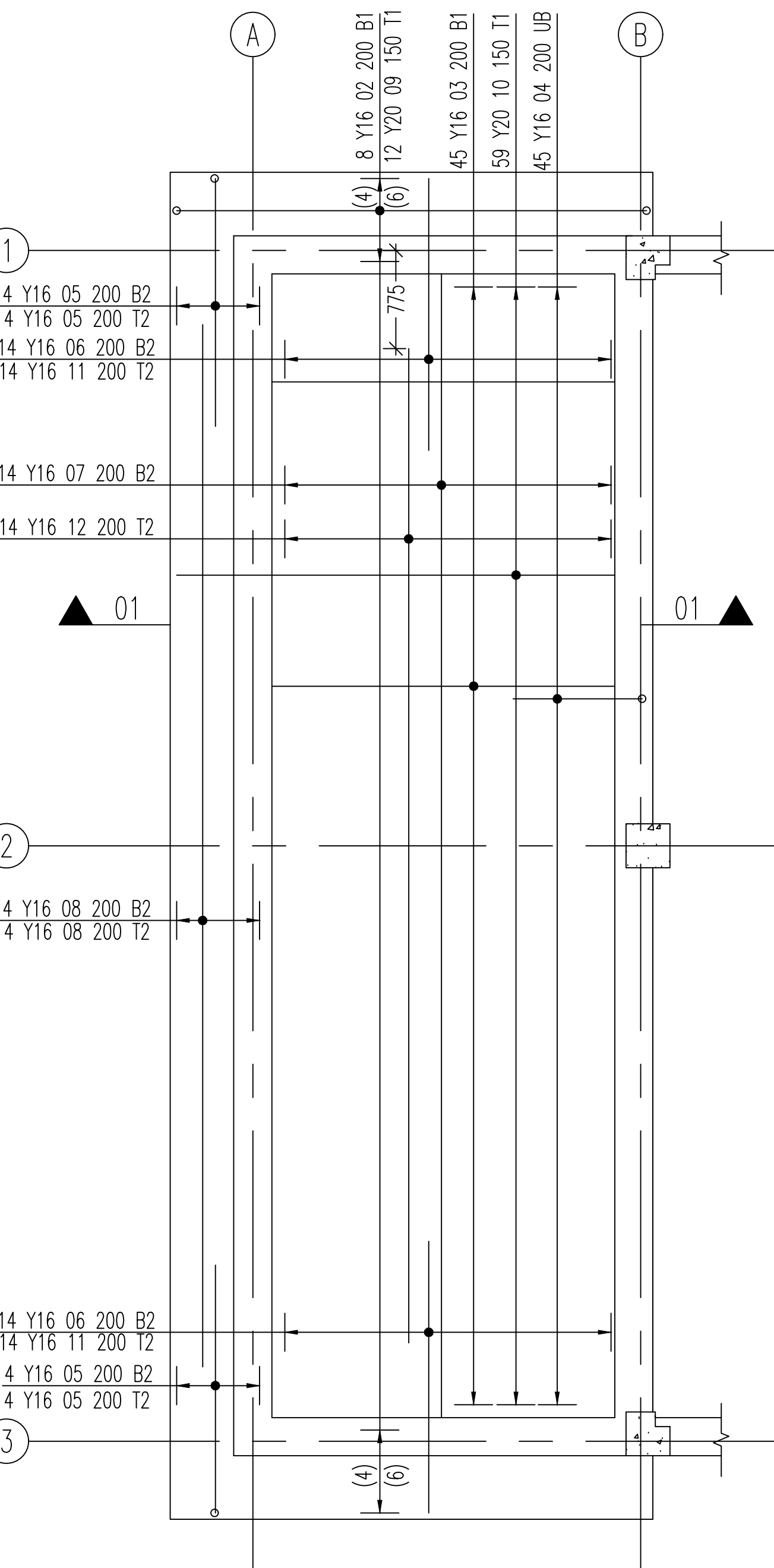
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S.G/A1040/STR/PS/D003

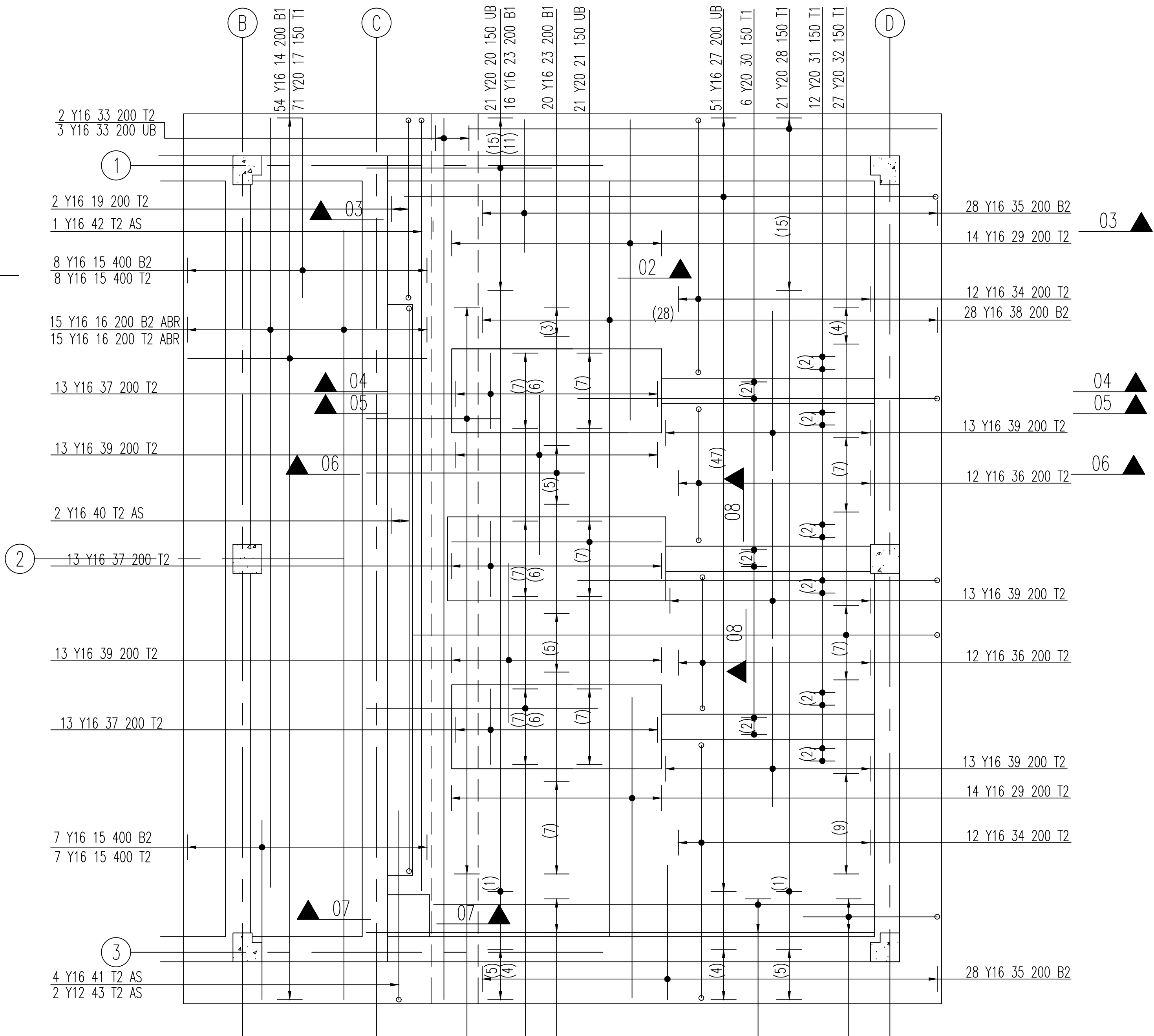
REV

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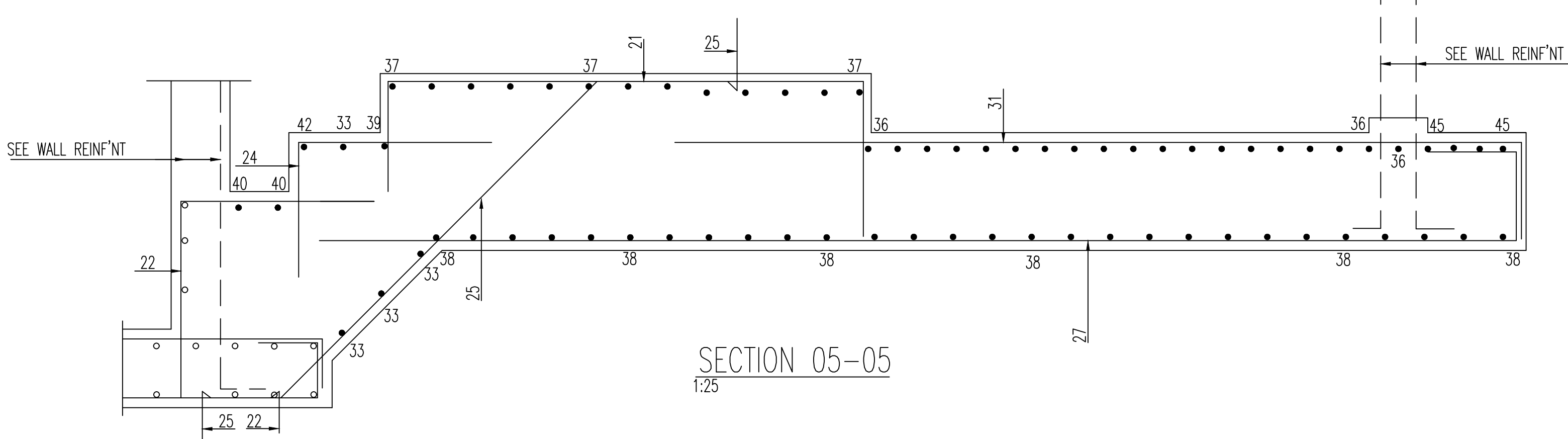
Member	Bar Mark	Type and size	No. of mbrs.	No. of bars in each	Total no.	Length of each bar 1 mm	shape code	Bending dimensions				
								A*	B*	C*	D*	E/R*
RAFT @ GL (A-B/1-3) LEVEL +1376.310	02	Y 16	1	8	8	4225	38	400	3700	(400)		
	03	Y 16	1	45	45	4025	38	400	300	(3400)		
	04	Y 16	1	45	45	2375	38	1070	300	(1070)		
	05	Y 16	1	16	16	2200	37	265	(1950)			
	06	Y 16	1	28	28	2225	38	400	300	(1600)		
	07	Y 16	1	14	14	9000	20					
	08	Y 16	1	8	8	8200	20					
	09	Y 20	1	12	12	4200	38	300	3700	(300)		
	10	Y 20	1	59	59	4150	38	3450	300	(900)		
	11	Y 16	1	28	28	2725	38	400	265	(2140)		
	12	Y 16	1	14	14	7900	20					
RAFT @ GL (B-D/1-3)	14	Y 16	1	54	54	3700	55	200	300	2850	300	(200)
	15	Y 16	1	30	30	2375	37	250	(2150)			
	16	Y 16	1	30	30	9375	37	250	(9160)			
	17	Y 20	1	71	71	3250	38	250	2850	(250)		
	18	Y 20	1	3	3	6150	37	950	(5250)			
	19	Y 16	1	2	2	6150	38	1265	2130	(1265)		
	20	Y 20	1	21	21	3925	38	500	1300	(2210)		
	21	Y 20	1	21	21	3650	38	550	2400	(800)		
	22	Y 20	1	46	46	3000	38	500	1000	(1600)		
	23	Y 16	1	39	39	2650	41	400	1840	(400)	1300	
	24	Y 20	1	21	21	2200	37	800	(1435)			
	25	Y 16	1	18	18	3075	41	400	2265	(400)		
	26	Y 16	1	3	3	7175	38	400	800	(6050)		
	27	Y 16	1	51	51	7475	38	700	500	(6350)		
	28	Y 20	1	21	21	6050	37	500	(5600)			
	29	Y 16	1	28	28	4000	37	465	(3580)			
	30	Y 20	1	6	6	4450	37	200	(4285)			
	31	Y 20	1	12	12	4750	37	500	(4285)			
	32	Y 20	1	27	27	6650	37	500	(6200)			
	33	Y 16	1	4	4	11400	38	500	10465	(500)		
	34	Y 16	1	24	24	4090	52	400	465	3010	300	
	35	Y 16	1	56	56	2375	38	400	465	(1580)		
	36	Y 16	1	24	24	3125	55	400	465	1960	465	400
	37	Y 16	1	39	39	1875	38	550	860	(550)		
	38	Y 16	1	28	28	9000	20					
	39	Y 16	1	65	65	1900	20					
	40	Y 16	1	2	2	7175	38	300	6660	(300)		
	41	Y 16	1	4	4	2475	37	200	(2300)			
	42	Y 16	1	1	1	9525	37	300	(9250)			
	43	Y 12	1	2	2	1300	38	615	130	(615)		
	44	Y 16	1	4	4	2000	37	460	(1580)			
	45	Y 16	1	4	4	10150	37	460	(9730)			
	46	Y 20	1	46	46	2225	37	500	(1770)			
	47	Y 16	1	3	3	3625	38	1600	500	(1600)		



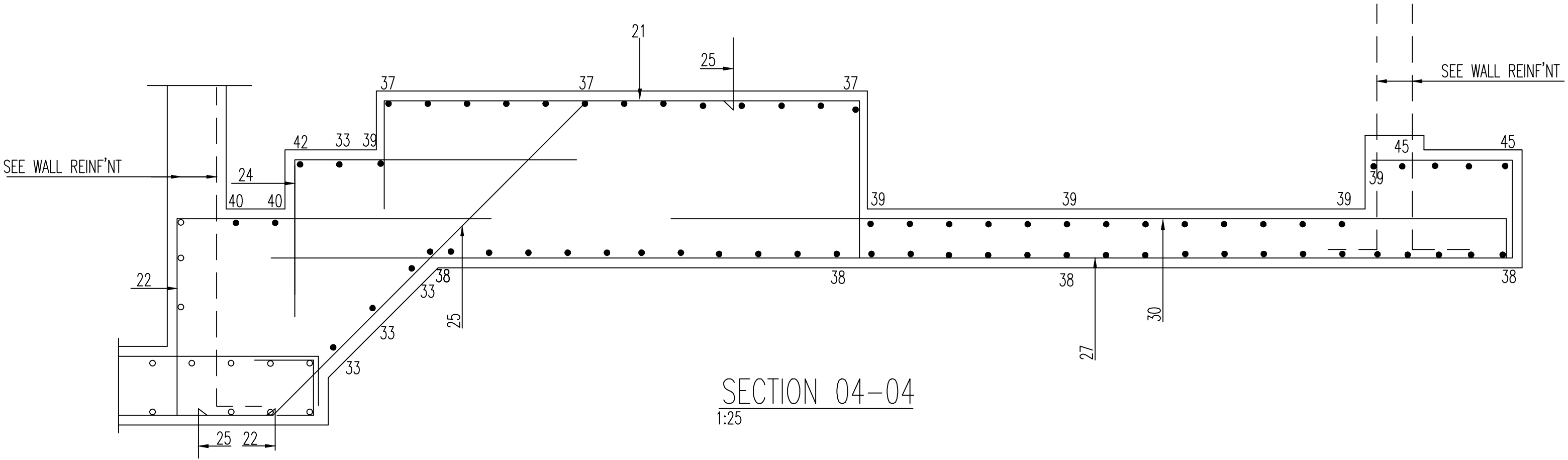
RAFT @ GL (A-B/1-3) LEVEL 1390.250  
1No. THUS



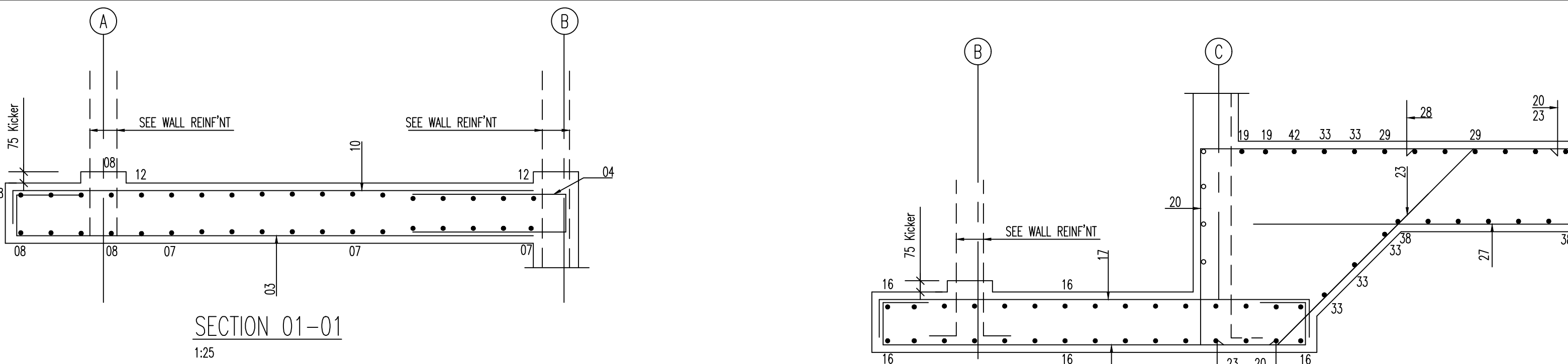
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1No. THUS



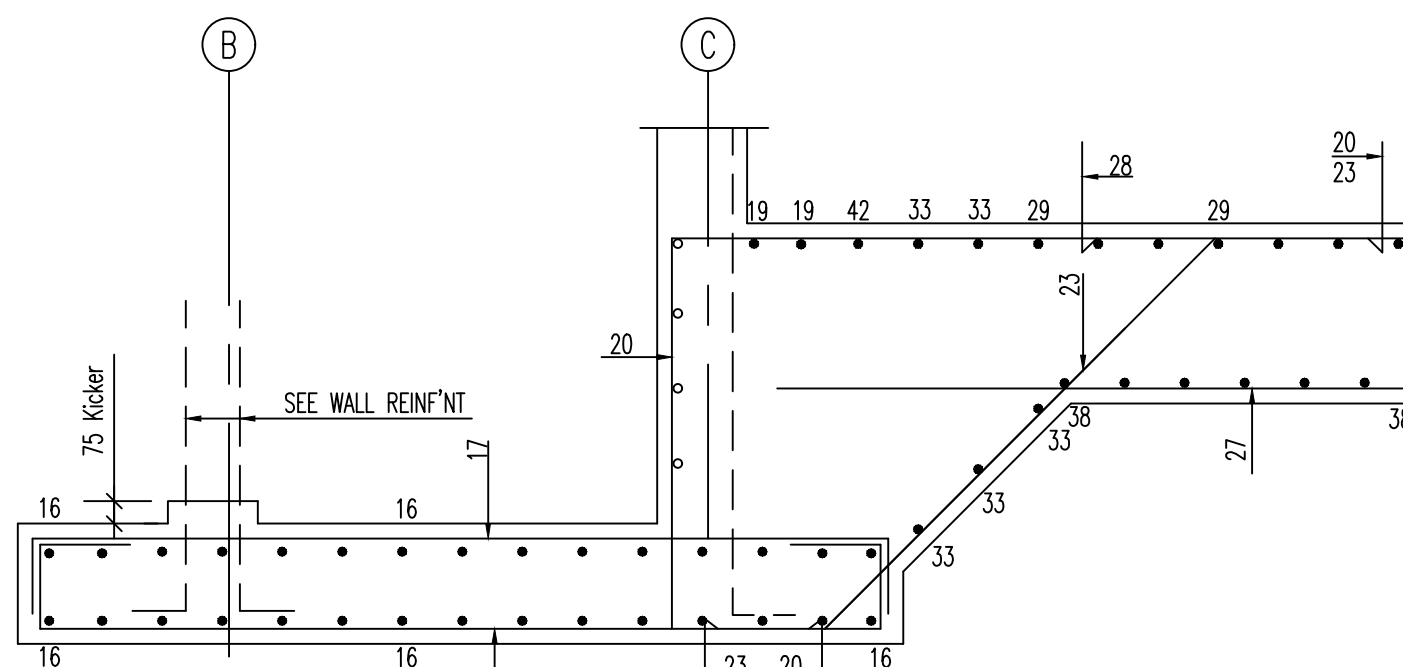
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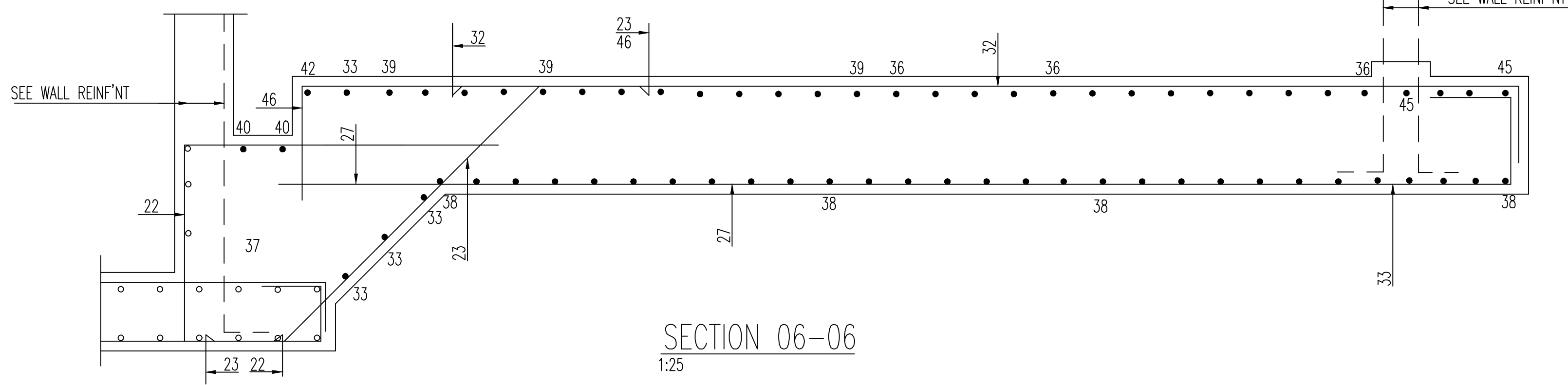
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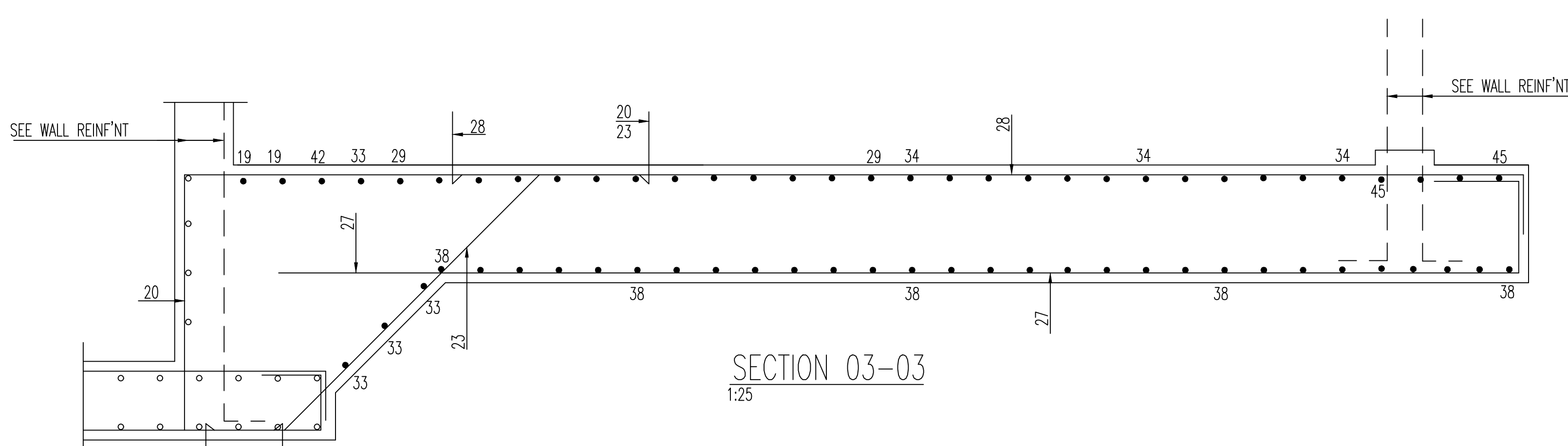
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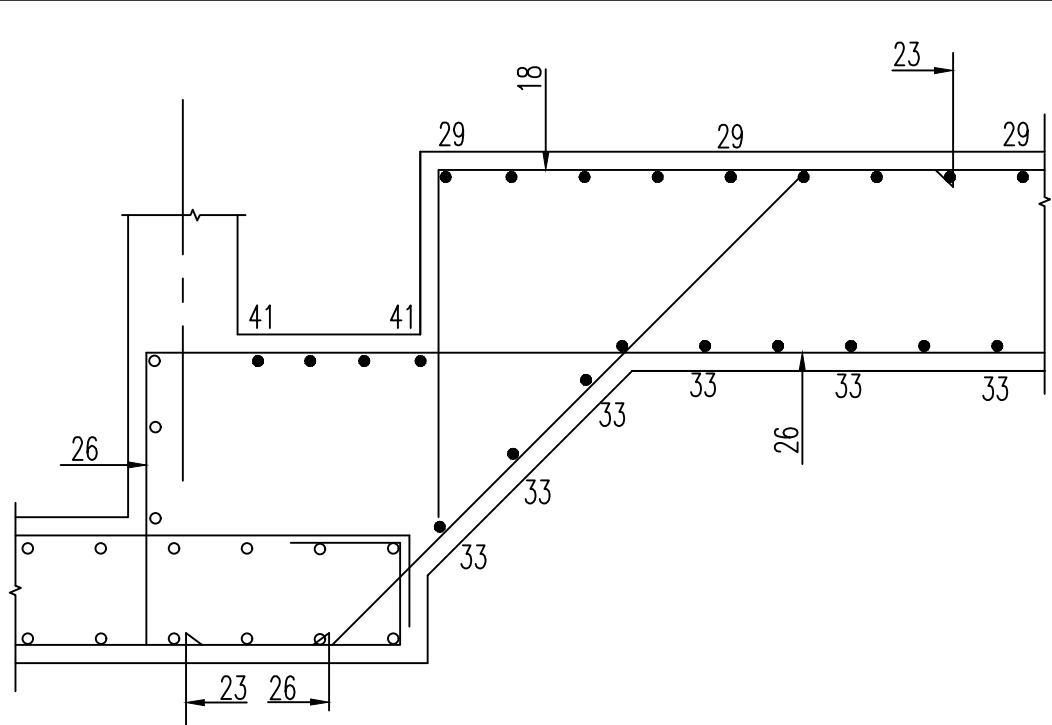
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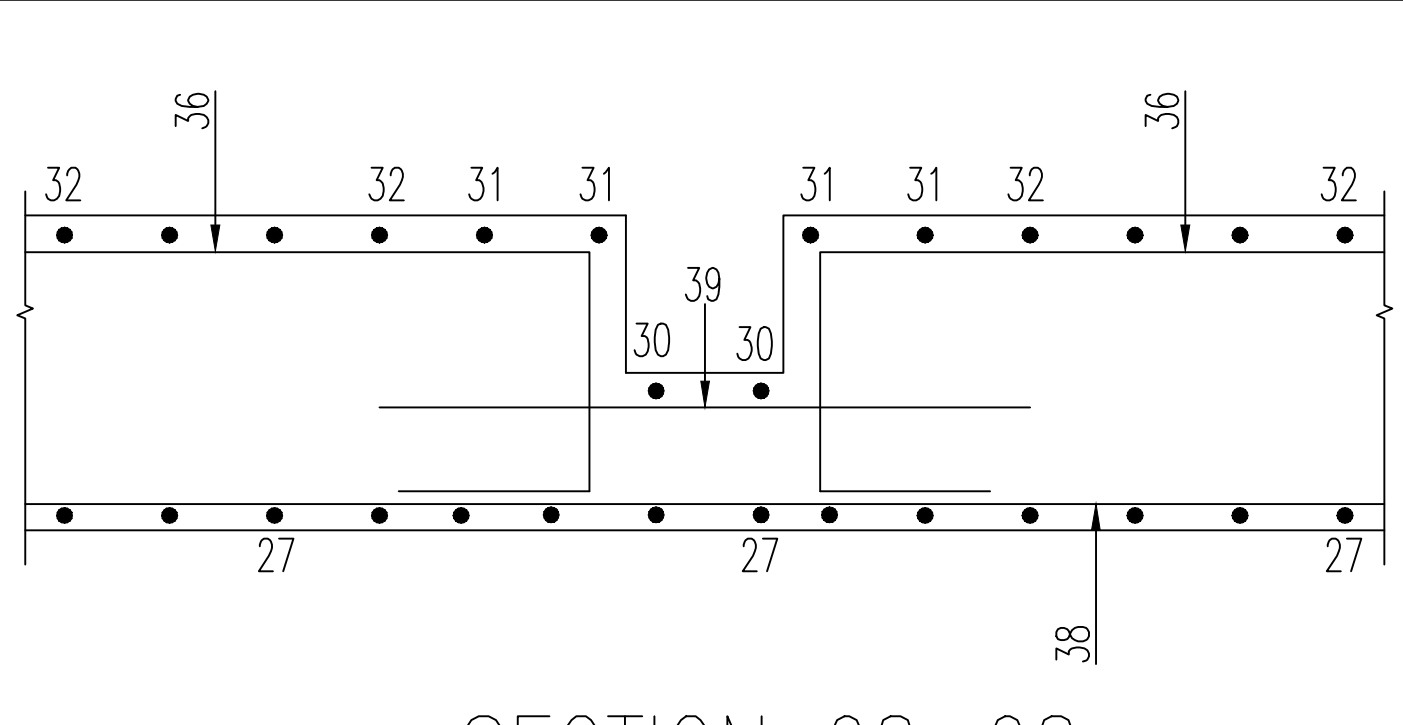
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SECTION 03-03  
1:25



SECTION 07-07  
1:25



SECTION 08-08  
1:20