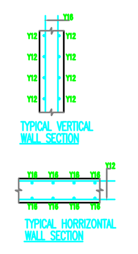
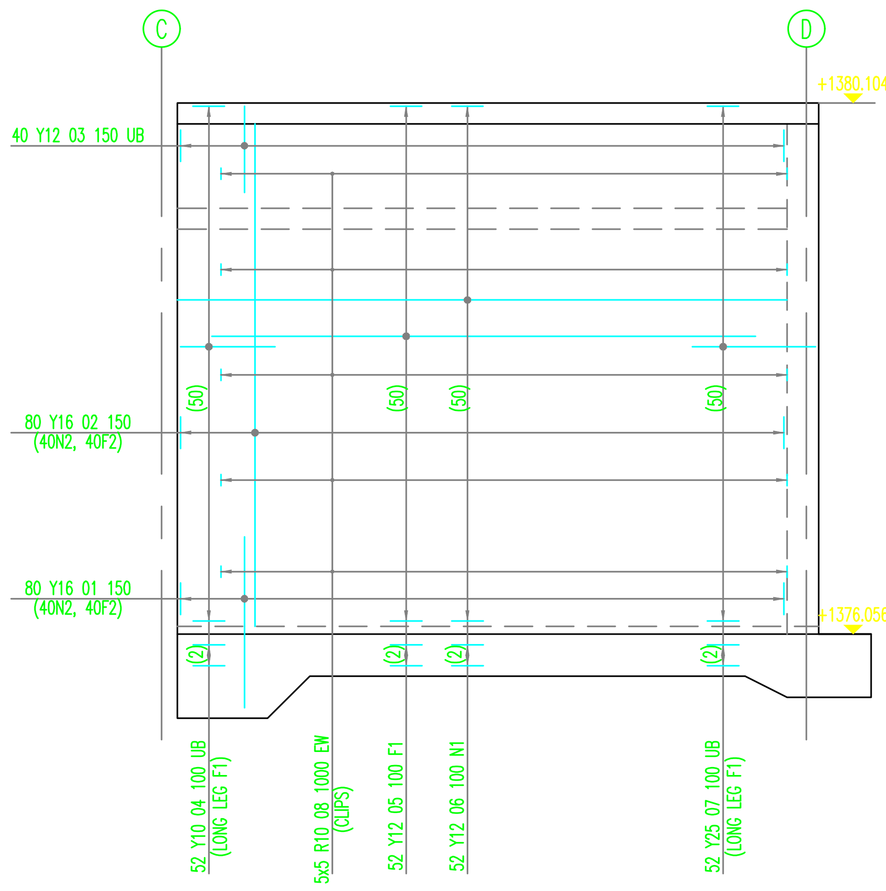
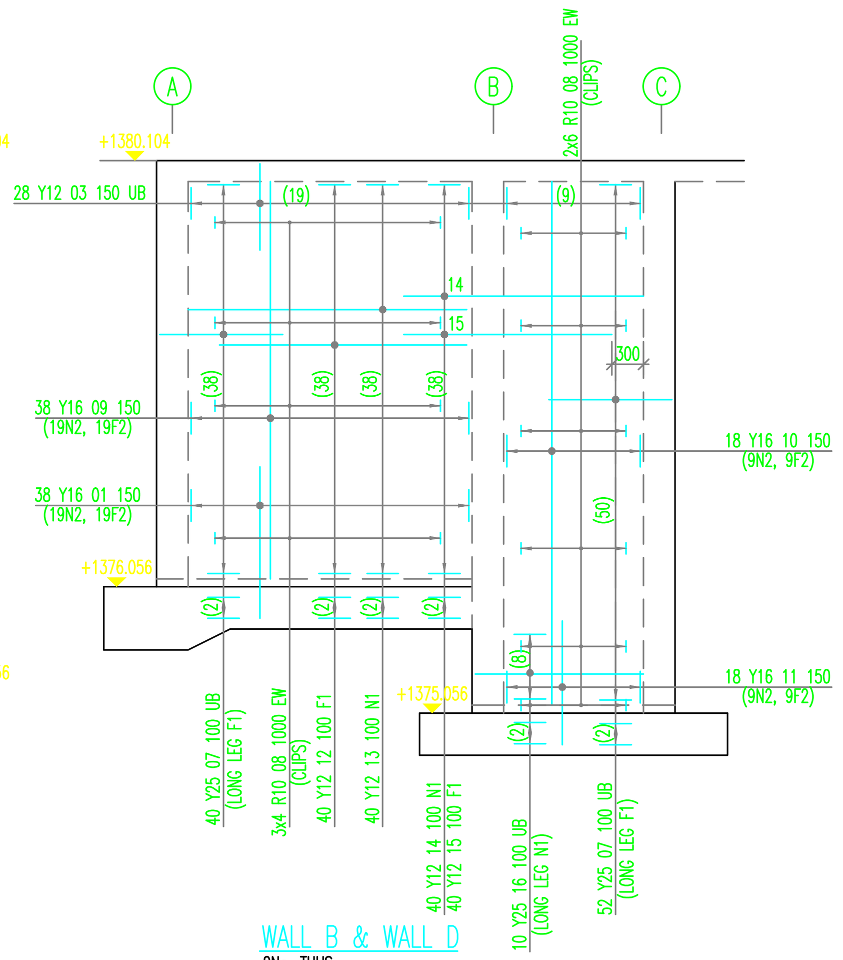
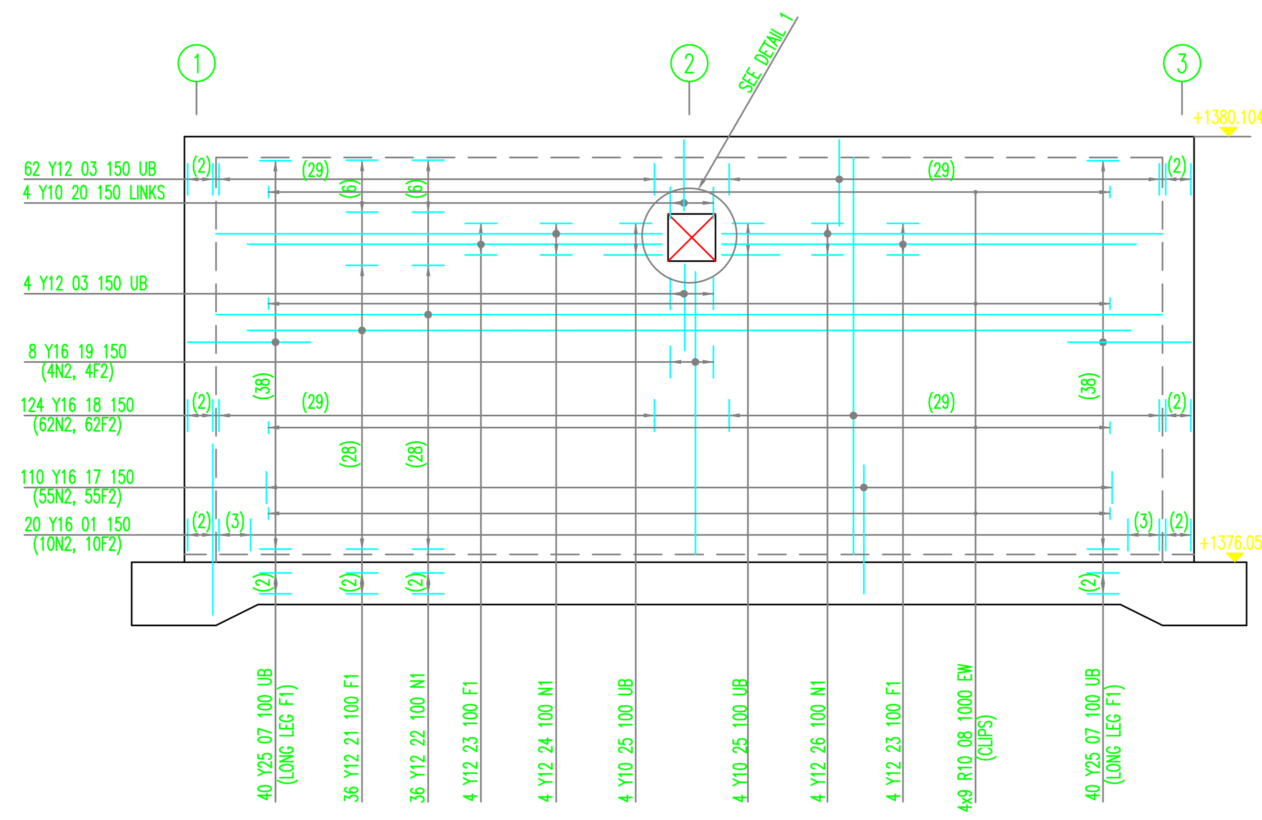




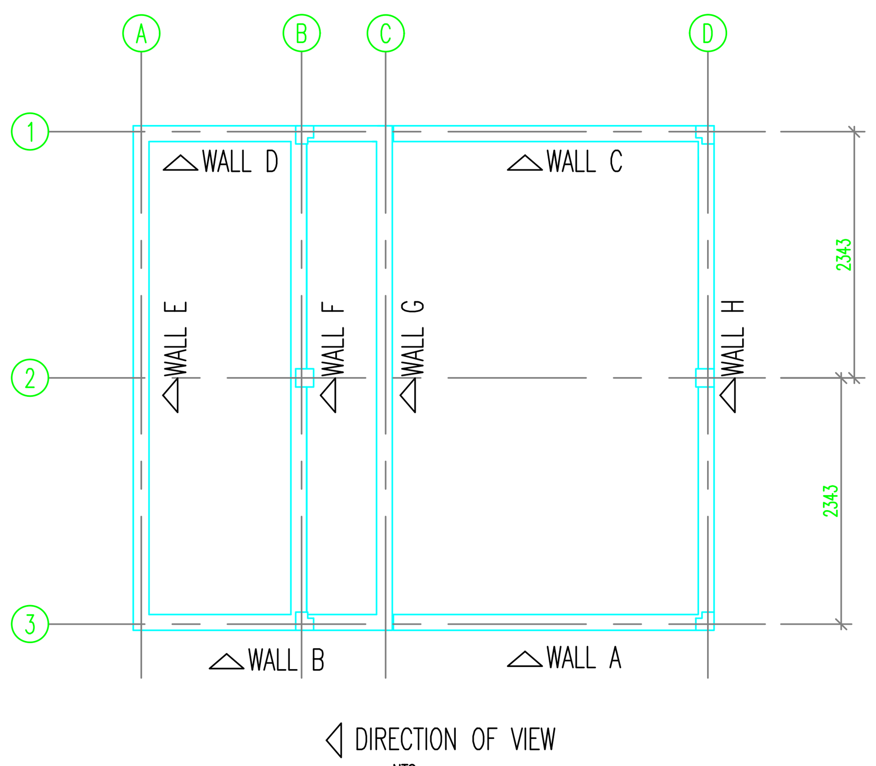
WALL A & WALL C
2No. THUS



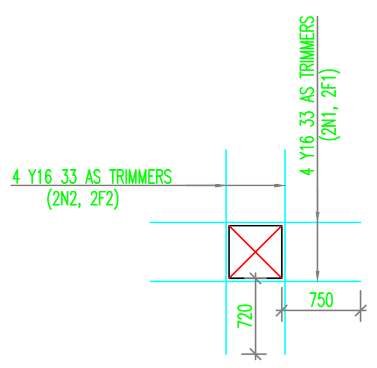
WALL B & WALL D
2No. THUS



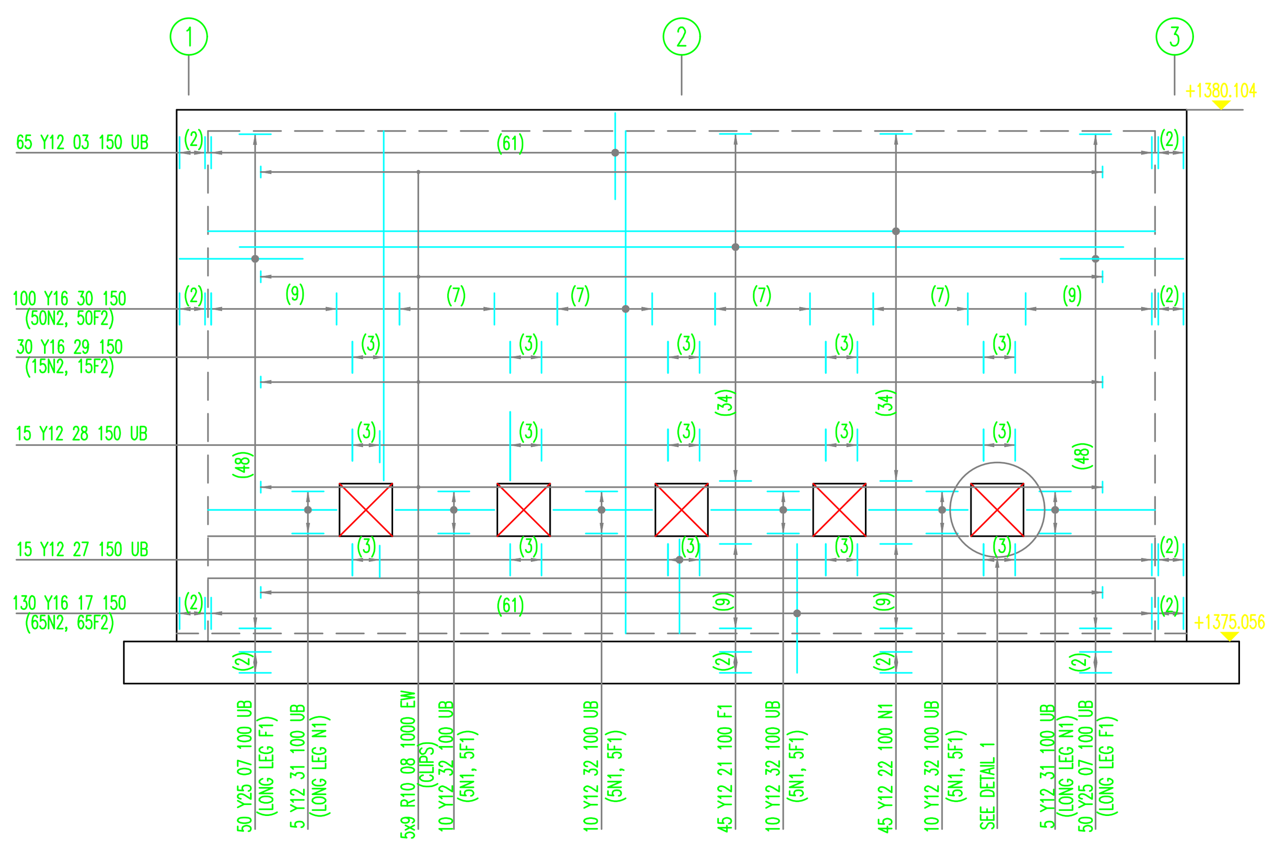
WALL E
1No. THUS



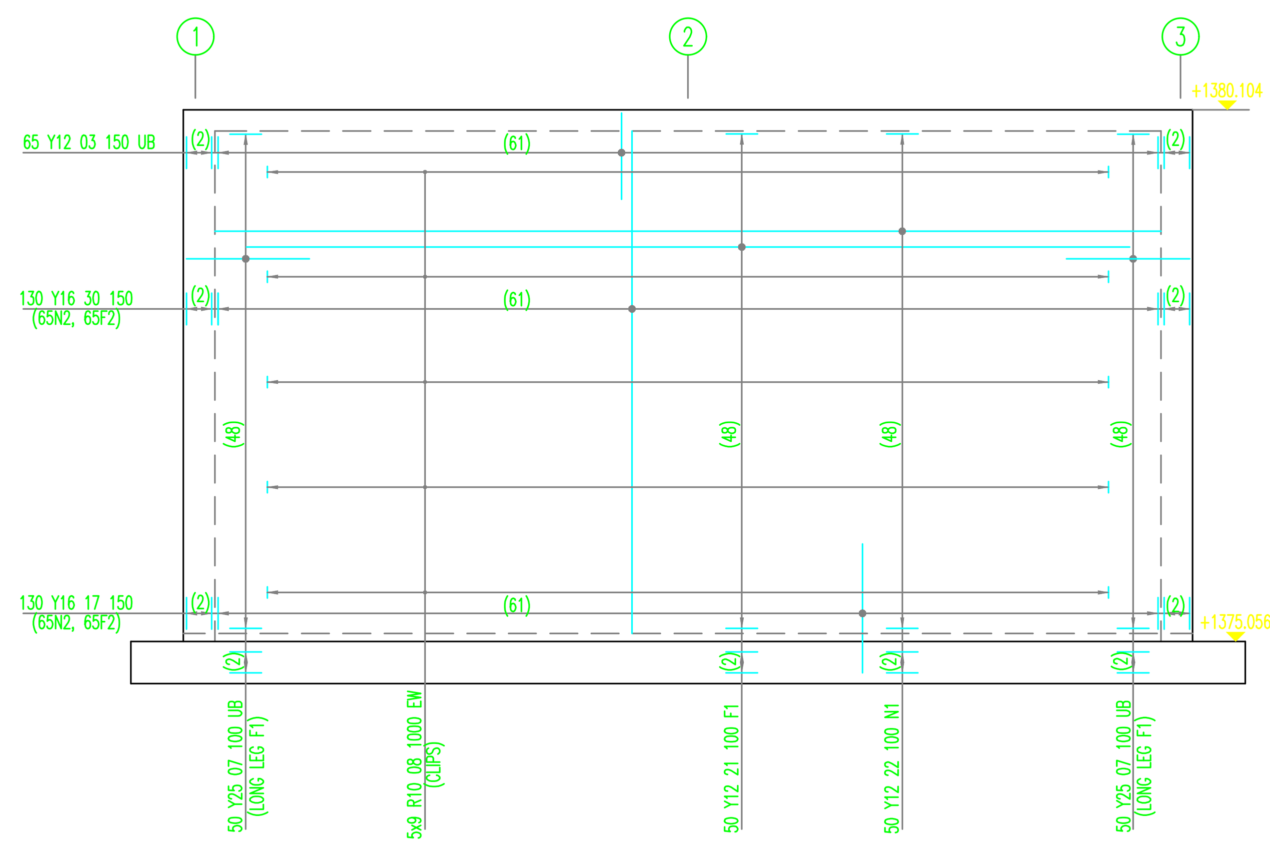
NTS
KEY PLAN



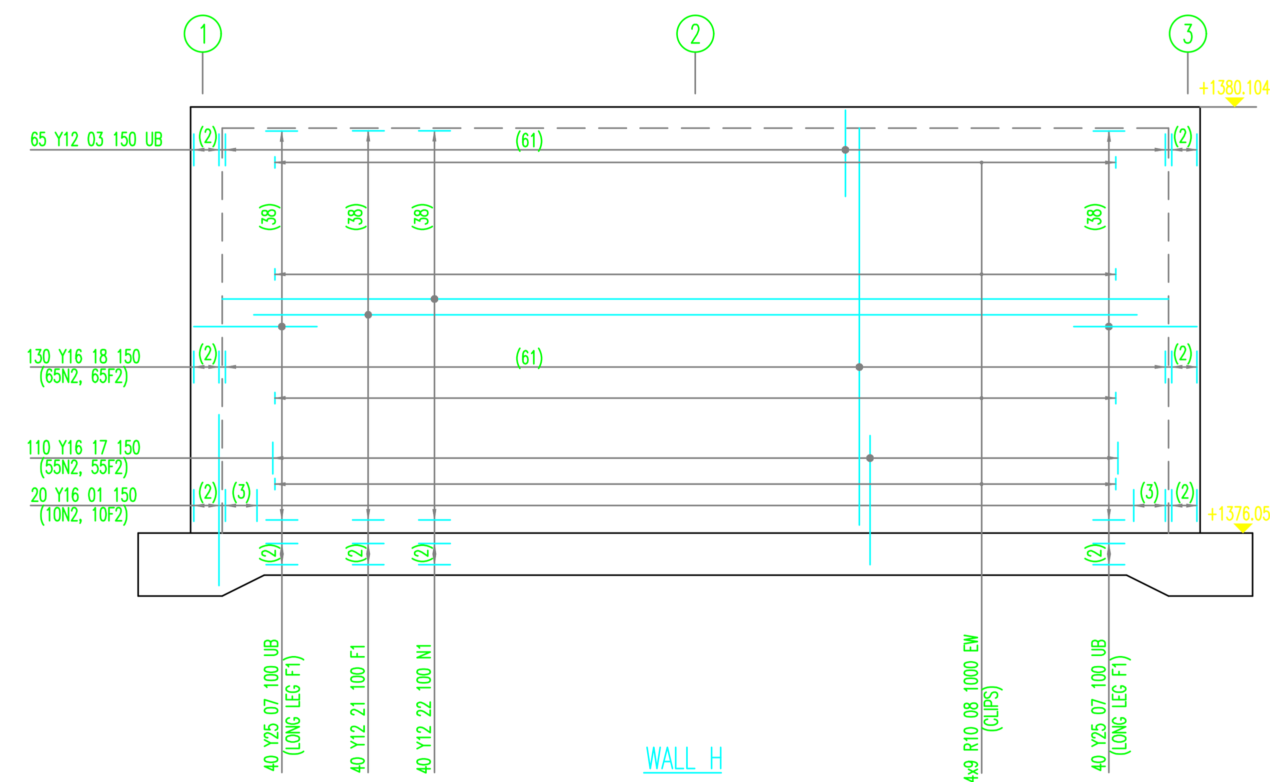
DETAIL 1
5No. THUS



WALL F
1No. THUS



WALL G
1No. THUS



WALL H
1No. THUS

Member	Bar Mark	Type and size: type	Type and size: size	No. of mbrs.	No. of bars in each	Total no.	Length of each bar † mm	shape code	Bending dimensions A* mm	B* mm	C* mm	D* mm	E/R* mm
WALL A & WALL C 2No. THUS	01	Y	16	2	80	160	1850	37	250	(1625)			
	02	Y	16	2	80	160	4775	20					
	03	Y	12	2	40	80	1800	38	825	215	(825)		
	04	Y	10	2	52	104	1650	38	550	240	(900)		
	05	Y	12	2	52	104	5175	20					
	06	Y	12	2	52	104	5800	20					
	07	Y	25	2	52	104	2150	39	1170	240	(870)		
	08	R	10	2	30	60	450	85	120	240	60	(85)	
WALL B & WALL D 2No. THUS	01	Y	16	2	38	76	1850	37	250	(1625)			
	03	Y	12	2	28	56	1800	38	825	215	(825)		
	07	Y	25	2	92	184	2150	39	1170	240	(870)		
	08	R	10	2	24	48	450	85	120	240	60	(85)	
	09	Y	16	2	38	76	3775	20					
	10	Y	16	2	18	36	4975	20					
	11	Y	16	2	18	36	1425	37	250	(1200)			
	12	Y	12	2	40	80	2350	20					
	13	Y	12	2	40	80	2650	20					
	14	Y	12	2	40	80	2300	20					
	15	Y	12	2	40	80	2000	20					
	16	Y	25	2	10	20	3050	39	1600	240	(1350)		
WALL E 1No. THUS	01	Y	16	1	20	20	1850	37	250	(1625)			
	03	Y	12	1	66	66	1800	38	825	215	(825)		
	07	Y	25	1	80	80	2150	39	1170	240	(870)		
	08	R	10	1	36	36	450	85	120	240	60	(85)	
	17	Y	16	1	110	110	1450	37	250	(1225)			
	18	Y	16	1	124	124	3775	20					
	19	Y	16	1	8	8	2675	20					
	20	Y	10	1	4	4	1900	61	675	215			
	21	Y	12	1	36	36	8400	20					
	22	Y	12	1	36	36	9000	20					
	23	Y	12	1	8	8	3950	20					
	24	Y	12	1	4	4	4250	20					
	25	Y	10	1	8	8	1300	38	550	240	(550)		
	26	Y	12	1	4	4	4200	20					

Member	Bar Mark	Type and size: type	Type and size: size	No. of mbrs.	No. of bars in each	Total no.	Length of each bar † mm	shape code	Bending dimensions A* mm	B* mm	C* mm	D* mm	E/R* mm
WALL F 1No. THUS	03	Y	12	1	65	65	1800	38	825	215	(825)		
	07	Y	25	1	100	100	2150	39	1170	240	(870)		
	08	R	10	1	45	45	450	85	120	240	60	(85)	
	17	Y	16	1	130	130	1450	37	250	(1225)			
	21	Y	12	1	45	45	8400	20					
	22	Y	12	1	45	45	9000	20					
	27	Y	12	1	15	15	1950	38	890	215	(890)		
	28	Y	12	1	15	15	1450	38	550	215	(650)		
	29	Y	16	1	30	30	3325	20					
	30	Y	16	1	100	100	4775	20					
	31	Y	12	1	10	10	2375	38	1220	240	(970)		
	32	Y	12	1	40	40	1300	38	200	940	(200)		
	33	Y	16	1	40	40	2000	20					
WALL G 1No. THUS	03	Y	12	1	65	65	1800	38	825	215	(825)		
	07	Y	25	1	100	100	2150	39	1170	240	(870)		
	08	R	10	1	45	45	450	85	120	240	60	(85)	
	17	Y	16	1	130	130	1450	37	250	(1225)			
	21	Y	12	1	50	50	8400	20					
	22	Y	12	1	50	50	9000	20					
	30	Y	16	1	130	130	4775	20					
WALL H 1No. THUS	01	Y	16	1	20	20	1850	37	250	(1625)			
	03	Y	12	1	65	65	1800	38	825	215	(825)		
	07	Y	25	1	80	80	2150	39	1170	240	(870)		
	08	R	10	1	36	36	450	85	120	240	60	(85)	
	17	Y	16	1	110	110	1450	37	250	(1225)			
	18	Y	16	1	130	130	3775	20					
	21	Y	12	1	40	40	8400	20					
	22	Y	12	1	40	40	9000	20					

NOTES

GENERAL

1. All construction and erection done on site should conform to the laid standards of construction

2. The Engineer and/or client reserves the right to instruct the contractor to correct defective work(s)

3. This drawing is to be read in conjunction with all reference drawings

CONCRETE

1. ALL STRUCTURAL CONCRETE TO BE GRADE WR30 UNLESS OTHERWISE SHOWN.
2. ALL CONCRETE SECTIONS TO HAVE 30mm COVER , UNLESS OTHERWISE SHOWN.
3. MASS CONCRETE INFILL TO BE GRADE 15MPa.
4. MIN 50mm BLINDING (15MPa CONCRETE) TO BE PLACED UNDER ALL BASE SLABS.
5. ALL EXPOSED CORNERS TO HAVE 20mm CHAMFERS WHERE APPROPRIATE.
6. CONSTRUCTION JOINTS SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL.
7. CONCRETE MAY NOT BE CUT OR DEMOLISHED WITHOUT THE APPROVAL OF THE ENGINEER.
8. ABBREVIATIONS
   - AS – Alternately staggered.
   - MK – Mark (Bar Mark).
   - F – FAR FACE.
   - N – NEAR FACE.
   - UB – 'U' Bars.
   - LL – Long Leg
9. ALL STEEL AT SUPPORTS TO BE CENTRALLY PLACED ABOUT SUPPORTS UNLESS OTHERWISE NOTED.
10. MINIMUM LAPS TO BE 50ø OF THE SMALLER BAR.

REFERENCE DRAWINGS

No.	Drg 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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PROJECT TITLE

DESIGN OF CIVIL INFRASTRUCTURE FOR STRATHMORE HOUSING DEVELOPMENT

DRAWING TITLE

SEWAGE PUMPING STATION WALLS

CLIENT

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

SCALE: AS SHOWN

MASTER SIZE: A0

CLIENT DRAWING No.: S.G/A1040/STR/PS/D006

REV: A1