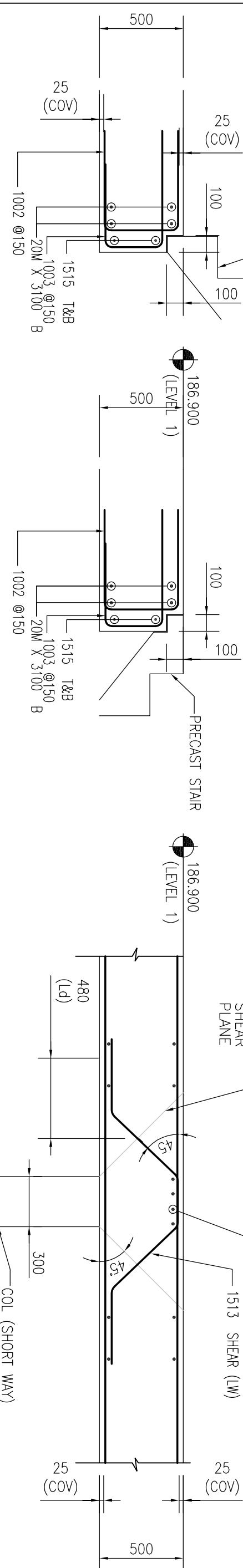
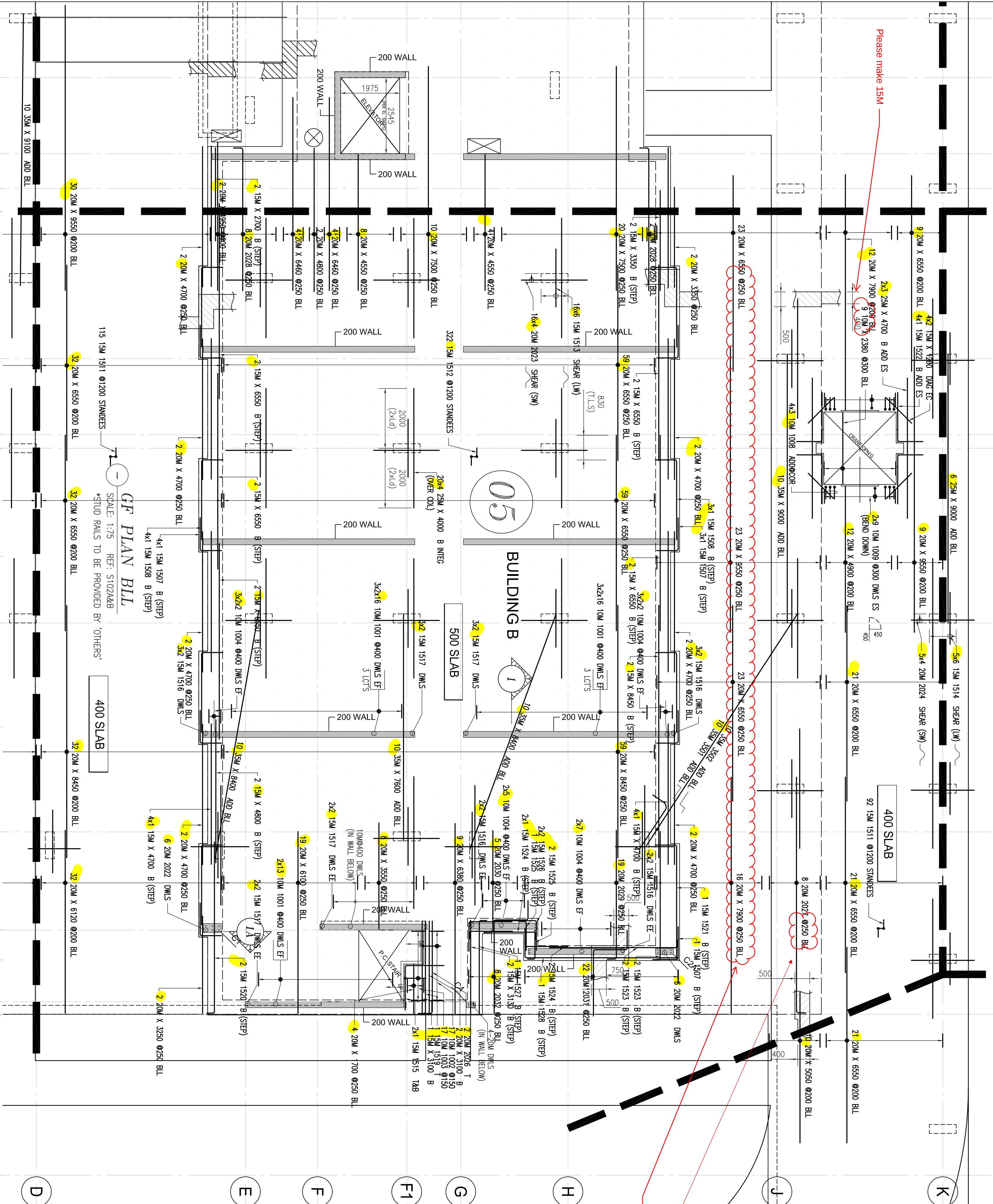
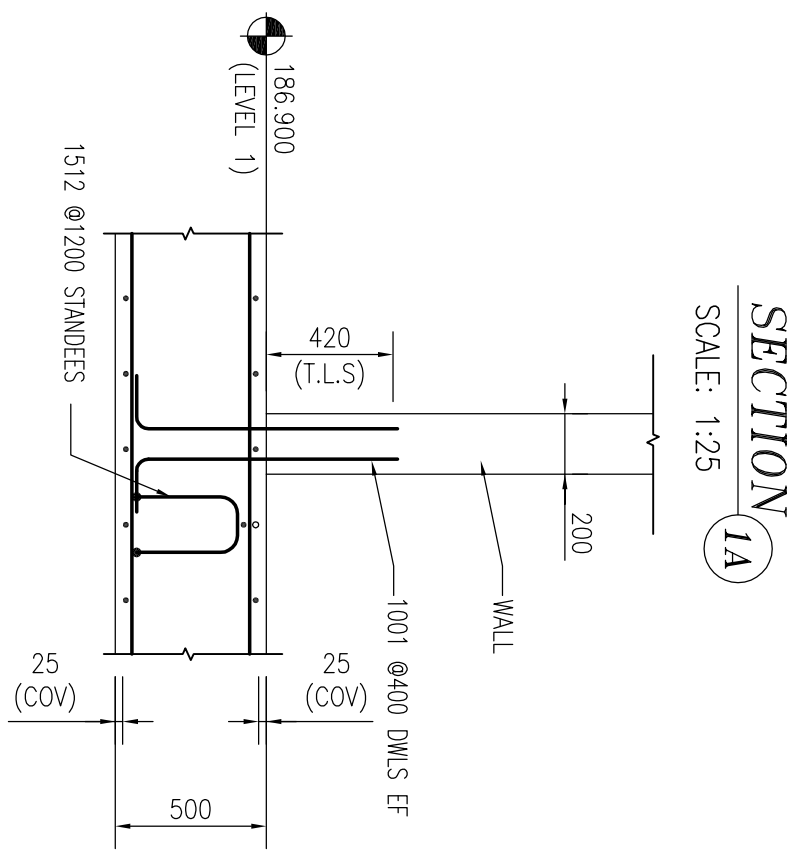
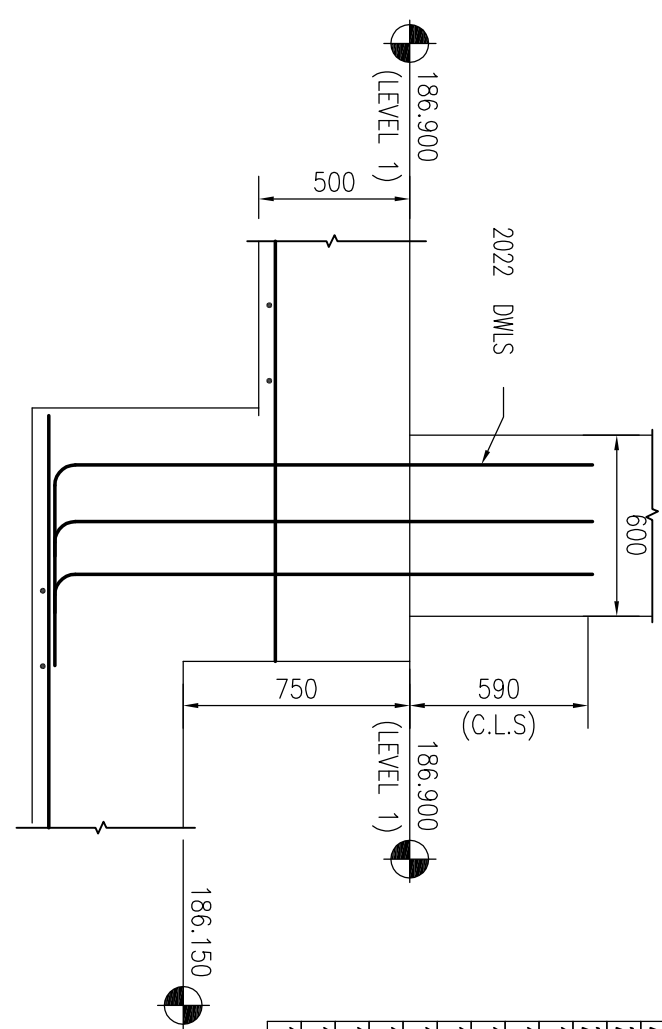
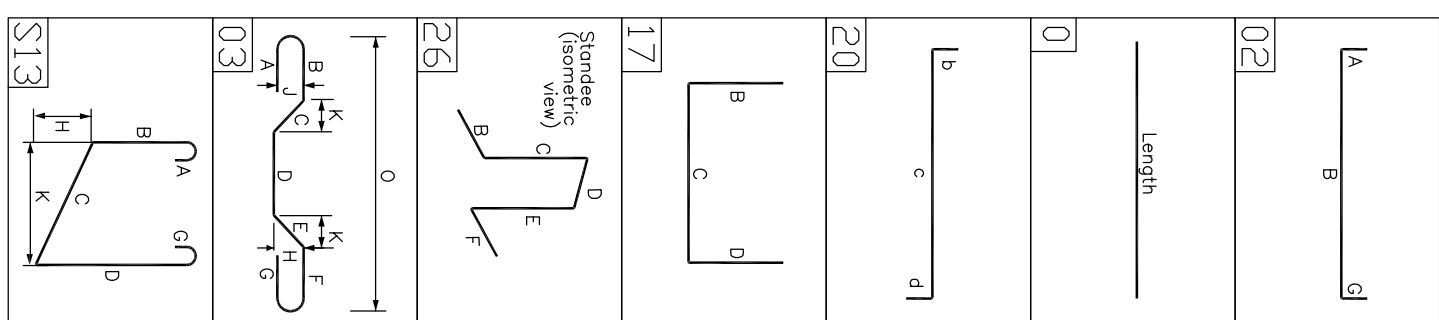
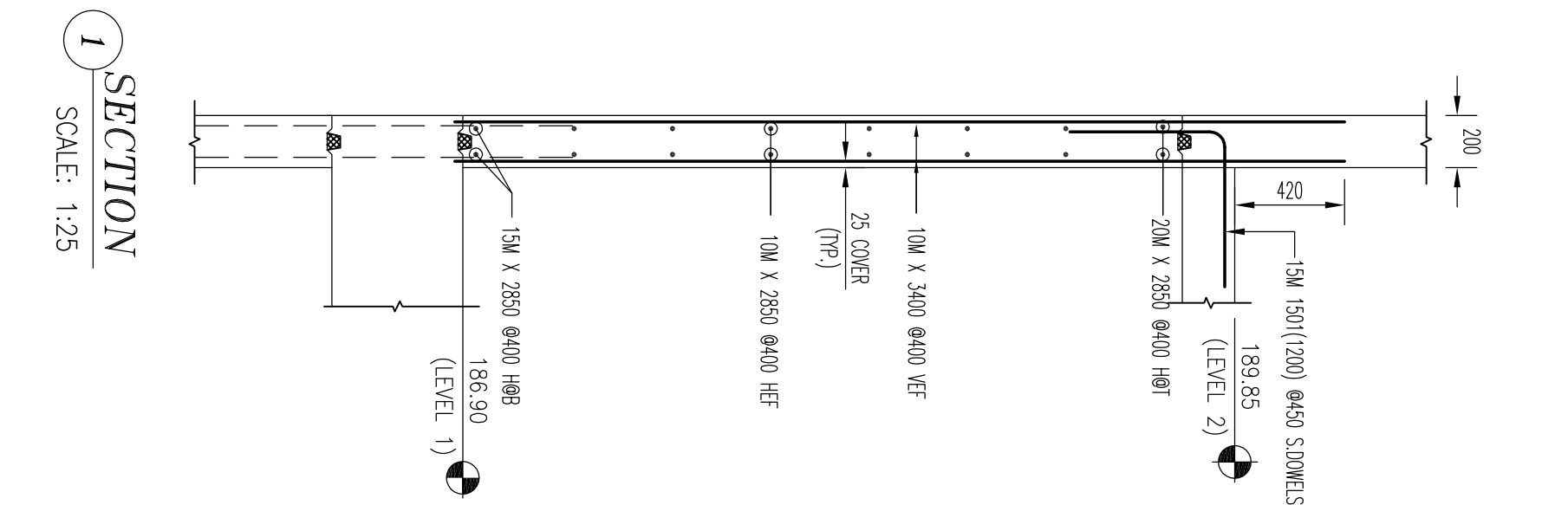


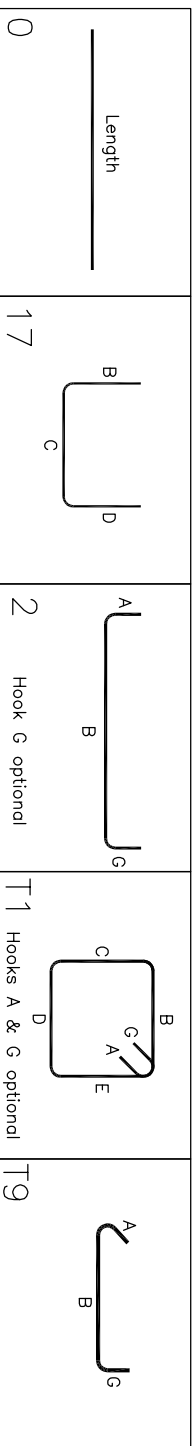
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NOTES											
1. ALL STEEL TO BE GRADE 400W											
2. STRENGTH OF CONCRETE											
35MPa – SLAB											
35MPa – INTERIOR COLUMNS & WALLS											
3. CONCRETE COVER:											
SLAB T		-- 25mm									
SLAB B		-- 25mm									
		4. COMPRESSION LAP SPLICE		5. TENSION LAP SPLICE (L _S) & DEVELOPMENT LENGTH (L _d)							
		BAR SIZE									
		10M	300								
		15M	440								
		20M	590								
		25M	730								
		30M	880								
		35M	1030								
		BAR SIZE									
		10M	15S	tr=25				tr=30			
		15M	15S	L _d	L _S	L _d	L _S	L _d	L _S	L _d	L _S
		20M	15S	380	430	350	420	320	370	340	410
		25M	15S	460	570	470	610	400	460	480	540
		30M	15S	580	750	590	890	530	640	680	760
		35M	15S	700	1170	1390	1070	1290	990	1190	1390
		35M	15S	1830	1670	1290	1550	1190	1410	1190	1410

[illegible]



Release Code: R-7.8 BLOC-B EW 11-1.2 P#6													
BENDING DETAILS													
Bar Mark	Qty	Standard length (m)	N	B	C	D	E	F	G	H	I	J	K
12.10M	27.00			27.00									
14.10M	34.00			34.00									
12.10M	28.54			28.54									
2.15M	28.54			28.54									
2.15M	28.54			28.54									
10.15M	36.00			36.00									
2.15M	27.00			27.00									
2.15M	27.00			27.00									
2.15M	35.00			35.00									
2.20M	31.00			31.00									
12.10M	33.50			33.50									
10.05	8.10M	80.11	100	50	75.0	75.0	100					70	
10.06	8.10M	35.41.9	100					100					
10.02	12.10M	123.01	35.0	13.0	55.0								
10.01	24.10M	63.01.2	80.0	45.0									
10.03	6.10M	84.01.7		42.0									
15.03	2.15M	63.01.7		75.0	13.0	75.0							
15.02	4.15M	97.01.2	76.0	65.0									
15.04	1.15M	138.01.7		65.0	65.0								
20.02	2.20M	26.01.7		59.0	16.0	59.0							
20.03	4.20M	16.11.2	39.0	83.0									
20.03	1.20M	16.51.7		83.0	83.0								
15.01	13.15M	120.11.7		60.0	60.0								

[illegible][illegible]

DRAWING REVIEW

This review of this drawing does not in any way relieve the contractor of responsibility for its accuracy or for compliance with the contract documents.

	No comment	See comment
Amend & Resubmit		Rejected See Remarks

Submission No.	19066
Project No.	
By	MB
Date	14 Jul 2021

JABLONSKY, AST AND PARTNERS
Consulting Engineers
1129 Leslie Street Don Mills, Ont. M3C 2K5

PROJECT		FORESTSIDE TOWNHOUSES	
LOCATION		-BRAMPTON, ON	
PART OF STRUCTURE		ELEVATOR SHEAR WALLS L1-L2 P#6	
CUSTOMER:			
Project no.		2177	
SCALE		AS SHOWN	
DRAWING NO.		R7.8	
DESIGNED BY: JH CHECKED BY:		S&A LIST No. 	

BUILDING-B
ELEVATOR WALL PLAN L1-L2
 SCALE: 1/25
 (POUR-6)

SCALE: 1:25
(POUR-6)

NOTES

- 1, ALL STEEL TO BE GRADE 400W
2, STRENGTH OF CONCRETE
35MPa - INTERIOR COLUMNS & WALLS

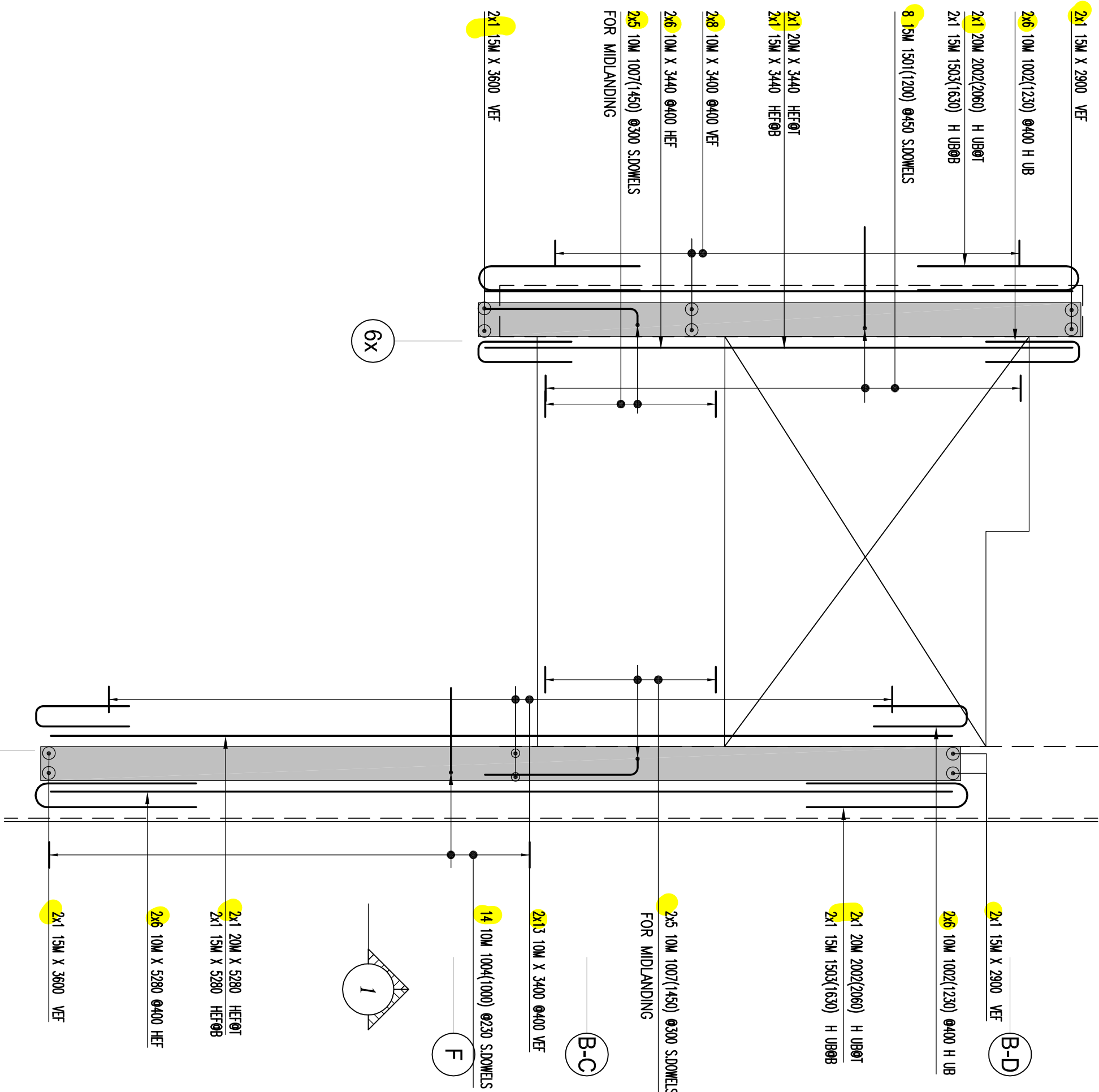
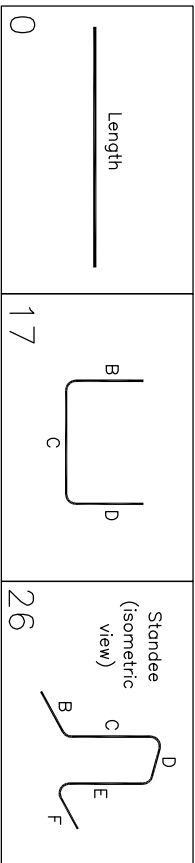
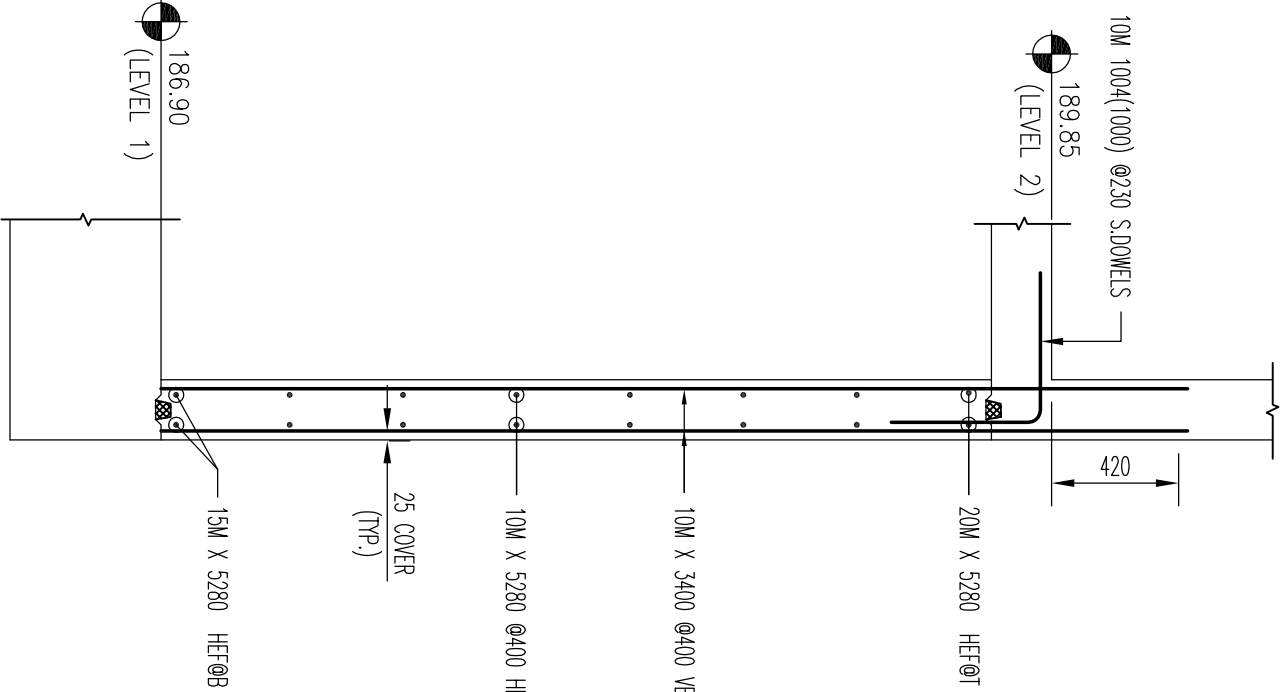
BAR SIZE	STANDARD LAP (mm)
10M	300
15M	440
20M	590
25M	730
30M	880
35M	1030

- | NOTES | 4. COMPRESSION LAP SPICE | 5. TENSION LAP SPICE (U.S. & DEVELOPMENT LENGTH (L _d)) | | | | | | |
|-------------------------------|--------------------------|--|----------------|--------------------|--|--------------------|----------------|------|
| | | FOR WALL OR COL. & L _d IN CAP OR FTL) | | | FOR WALL OR COL. & L _d IN CAP OR FTL) | | | |
| | | f _c =25 | | f _c =30 | | f _c =35 | | |
| BAR SIZE | STANDARD LAP (mm) | L _d | L _d | L _d | L _d | L _d | L _d | |
| 1. ALL STEEL TO BE GRADE 400W | 2. STRENGTH OF CONCRETE | 10M | 300 | 490 | 380 | 450 | 320 | 320 |
| | | 15M | 440 | 740 | 570 | 670 | 520 | 620 |
| | | 20M | 590 | 980 | 730 | 890 | 690 | 830 |
| 3. CONCRETE COVER:
-- 25mm | 5. TENSION LAP SPICE | 25M | 730 | 1260 | 980 | 1130 | 890 | 1070 |
| | | 30M | 890 | 1570 | 1260 | 1430 | 1070 | 1300 |
| | | 35M | 1070 | 1880 | 1430 | 1710 | 1300 | 1570 |

BAR SIZE	te=25		te=30		te=35	
	L.S.	L.d	L.S.	L.d	L.S.	L.d
10M	490	380	450	350	420	320
15M	740	570	670	520	620	480
20M	980	750	890	690	830	640
25M	1500	1170	1390	1070	1290	990
30M	1830	1410	1670	1280	1550	1190
35M	2130	1640	1950	1500	1800	1390

1
SECTION
SCALE: 1:25

Release Code: R-7.8 BUD-B EW L1-L2 P#6												BENDING DETAILS.											
Bar Mark	Qty	Standard length	Type	X	Y	Z	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G
21 15M	5280																						
4 15M	3600																						
2 20M	3440																						
2 15M	3440																						
4 20M	3440																						
2 10M	3440																						
4 15M	2500																						
2 10M	5280																						
2 20M	5280																						
10 22	26 10M	1228 17																					
10 4	16 10M	1001 17																					
10 7	20 10M	1655 20M																					
20 2	4 20M	2864 17																					
5 3	4 15M	1630 17																					
5 1	8 15M	1200 17																					



BUILDING-B
STAIR WALL PLAN L1-L2
(POUR-5)

SCALE: 1:25

DRAWING REVIEW

This review of this drawing does not in any way relieve the contractor of responsibility for its accuracy or for compliance with the contract documents.

☒	No comment	See comment
☐	Amend &	Reflected
☐	Resubmit	See Remarks

Submission No. 19066
Project No. MB
By 14 Jul 2021
Date 14 Jul 2021
Consulting Engineers
JABLONSKY, AST AND PARTNERS
1129 Leslie Street DON Mills, ON, M3C 2K5

* ELEVATIONS AND DIMENSIONS SHOWN ARE FOR VERIFICATION PURPOSES ONLY AND ARE NOT TO BE USED FOR CONSTRUCTION
* ALL DIMENSIONS/NOTES MUST BE USED FOR CONSTRUCTION AND APPROVED AS SHOWN COMMENTED ON THE APPROVAL SHEETS

LEGEND		STRAIGHT BARS LABEL FORMAT		BENT BARS LABEL FORMAT		GRADES OF STEEL	
10M	10M	7	815M X 3600	7	815M B1501	8	815M B1501
10M	10M	7	815M X 3600	7	815M B1501	8	815M B1501
10M	10M	7	815M X 3600	7	815M B1501	8	815M B1501

ISSUE	FOR APPROVAL	DATE	BY
1	FOR APPROVAL	JUL/12/21	JJ
2	FOR APPROVAL		
3	FOR APPROVAL		
4	FOR APPROVAL		
5	FOR APPROVAL		

MANSTEEL REBAR
101 Industrial Road, Brampton, ON
Phone: 905-237-9777
Fax: 905-237-9777
Email: info@mansteelrebar.com

PROJECT
FORESTSIDE TOWNHOUSES
-BRAMPTON, ON

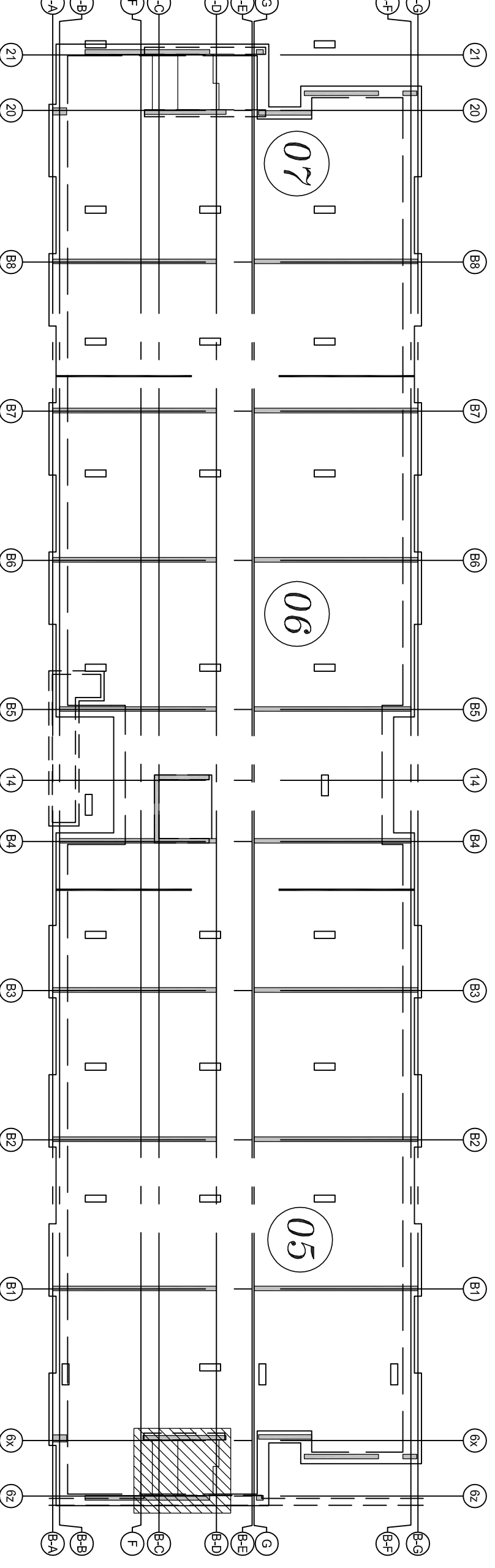
PART OF STRUCTURE
STAIR SHEAR WALLS -L1-L2 P#45

CUSTOMER :
ROYAL PINE HOMES

PROJECT NO. :
2177

DRAWING NO. :
R7.9

KEY PLAN



NOTES

1. ALL STEEL TO BE GRADE 400W
2. STRENGTH OF CONCRETE 35MPa - INTERIOR COLUMNS & WALLS
3. CONCRETE COVER:
VERTICALS -- 25mm

4. COMPRESSION LAP SPLICE			
BAR SIZE	STANDARD LAP (mm)		
10M	300		
15M	440		
20M	590		
25M	730		
30M	880		
35M	1030		

5. TENSION LAP SPLICE (L.S.) & DEVELOPMENT LENGTH (L.d)							
FOR WALL OR COL. & L.d IN CAP OR FTG.		L.S.		L.d		L.S.	
BAR SIZE	fc=25	fc=30	fc=35	BAR SIZE	fc=25	fc=30	fc=35
10M	490	380	450	350	420	320	320
15M	740	570	670	520	620	480	480
20M	980	750	890	690	830	640	640
25M	1530	1170	1390	1070	1290	990	990
30M	1830	1410	1670	1290	1550	1190	1190
35M	2130	1640	1950	1500	1800	1390	1390

