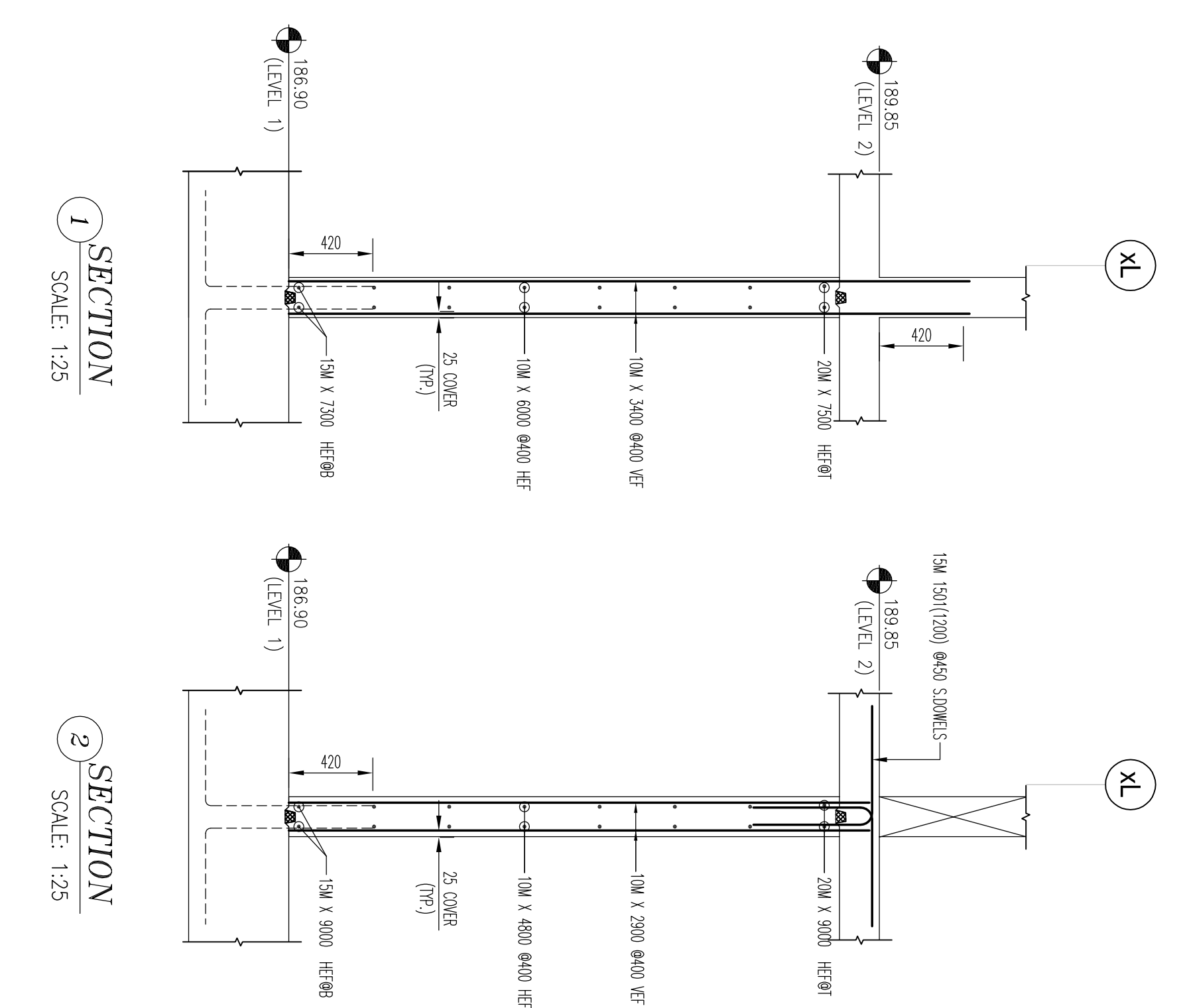
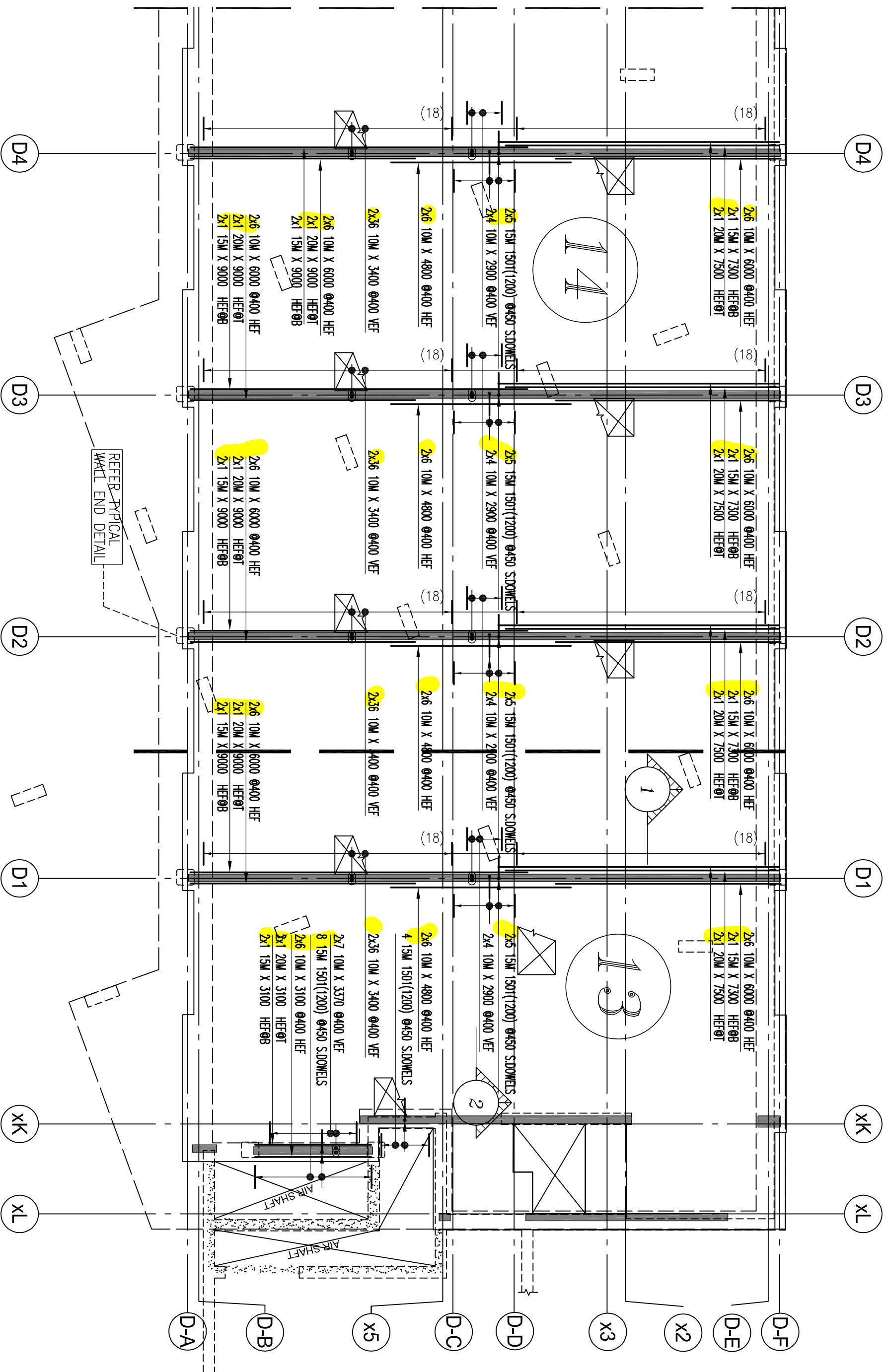
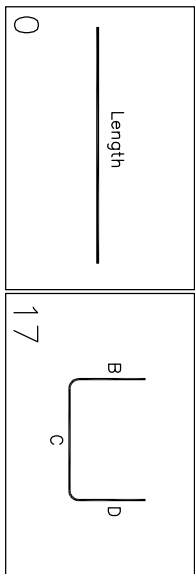


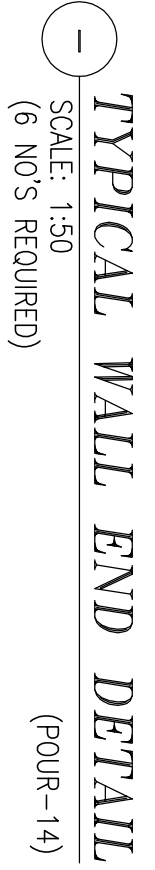
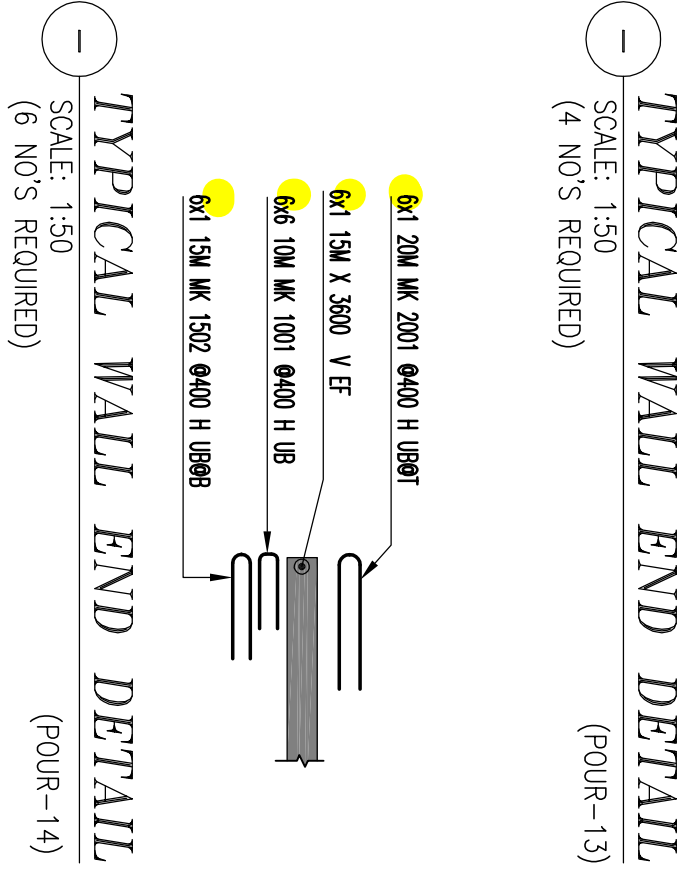
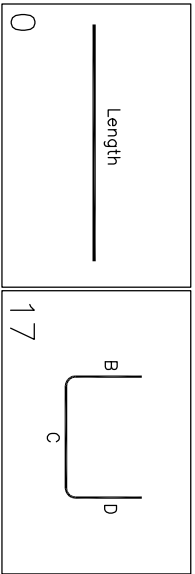


BUILDING-D WALL PLAN
SCALE: 1:100
(FOUR-13 & 14)

Rebar Number: B7.16 Building-D 3M from L-12 PH13															
Bar Mark	Qty	Size	Bar Length (mm)	X	Y	V	U	T	W	V	U	T	W	V	U
14 10M	1	10M	3100 0			1100									
24 10M	1	10M	6000 0			4800									
12 10M	1	10M	4800 0			4800									
72 10M	1	10M	3600 0			3600									
24 10M	1	10M	2900 17			2900									
24 10M	1	10M	3100 0			3100									
2 15M	1	15M	9000 0			9000									
2 15M	1	15M	7300 0			7300									
4 15M	1	15M	3600 0			3600									
1501	21	15M	1700 17			600									
1502	4	15M	1500 0			1500									
2 20M	1	20M	9000 0			9000									
2 20M	1	20M	7500 0			7500									
2001	4	20M	1960 17			900									



Rebar Number: B7.16 Building-D 3M from L-12 PH14															
Bar Mark	Qty	Size	Bar Length (mm)	X	Y	V	U	T	W	V	U	T	W	V	U
24 10M	1	10M	2900 0			3400									
56 10M	1	10M	4800 0			5000									
72 10M	1	10M	6000 0			6000									
36 10M	1	10M	1130 17			500									
6 15M	1	15M	7300 0			7300									
6 15M	1	15M	3600 0			3600									
1501	30	15M	1200 17			600									
1502	6	15M	1530 17			700									
6 20M	1	20M	7500 0			7500									
6 20M	1	20M	9000 0			9000									
2001	6	20M	1960 17			900									



NOTES

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

4. COMPRESSION LAP SPLICE (FOR WALL OR COL. & Ld IN CAP OR FTG.)			
BAR SIZE	STANDARD LAP (mm)	L.S	L.D
10M	300	1.5	1.5
15M	440	1.5	1.5
20M	590	1.5	1.5
25M	730	1.5	1.5
30M	880	1.5	1.5
35M	1030	1.5	1.5

5. TENSION LAP SPLICE (L.S) & DEVELOPMENT LENGTH (Ld)			
BAR SIZE	STANDARD LAP (mm)	L.S	L.D
10M	300	1.5	1.5
15M	440	1.5	1.5
20M	590	1.5	1.5
25M	730	1.5	1.5
30M	880	1.5	1.5
35M	1030	1.5	1.5

SECTION 1
SCALE: 1:25

SECTION 2
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 & Resubmit	Rejected
	See Remarks

Submission No. 19066

Project No. MB

By 22 Sep 2021

Date 22 Sep 2021

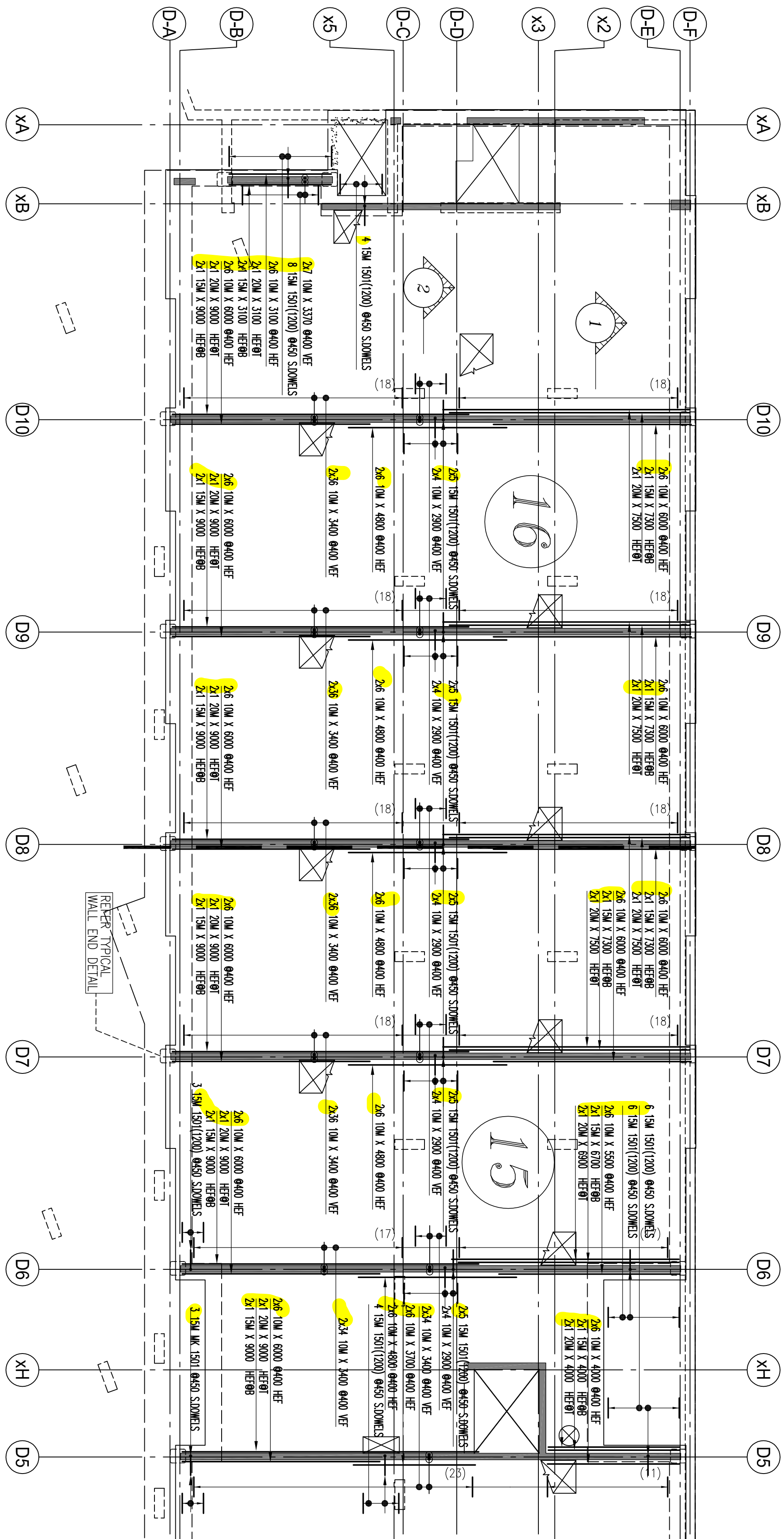
JABLONSKY, AST AND PARTNERS
Consulting Engineers
1129 Leslie Street Don Mills, Ont. M3C 2K5

ELEVATIONS AND DIMENSIONS SHOWN ARE FOR VERIFICATION PURPOSES

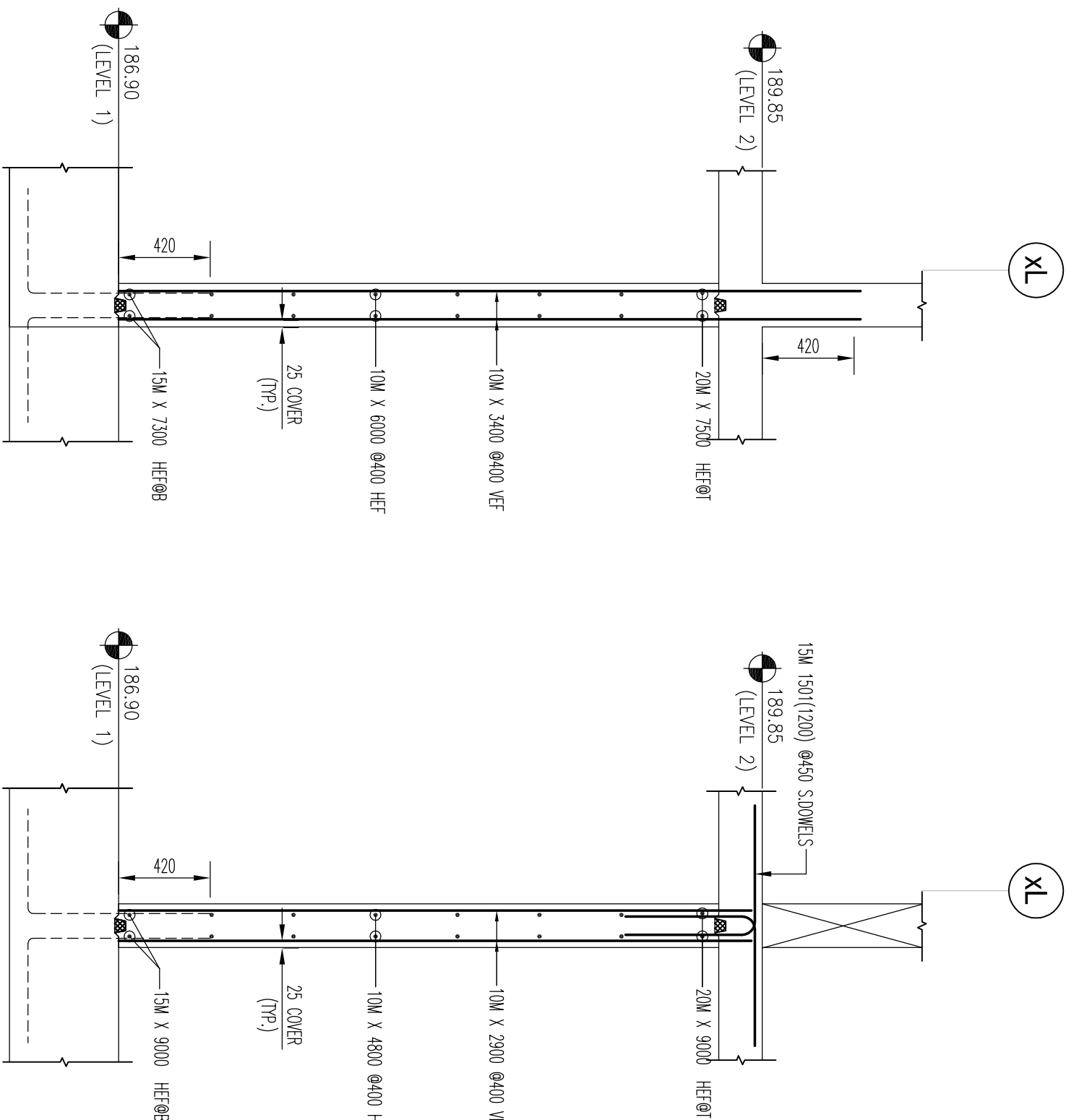
- ONLY AND ARE NOT TO BE USED FOR CONSTRUCTION
- ALL DIMENSIONS MUST BE AS SHOWN ON THE APPROVAL DRAWING
- ALL DIMENSIONS MUST BE AS SHOWN ON THE APPROVAL DRAWING

LEGEND		REBAR LABEL FORMAT		GRADE OF STEEL	
10M	10M	7 B15M X 3600	7 B15M X 3600	7 B15M X 3600	7 B15M X 3600
15M	15M	7 B15M X 3600	7 B15M X 3600	7 B15M X 3600	7 B15M X 3600
20M	20M	7 B15M X 3600	7 B15M X 3600	7 B15M X 3600	7 B15M X 3600
25M	25M	7 B15M X 3600	7 B15M X 3600	7 B15M X 3600	7 B15M X 3600
30M	30M	7 B15M X 3600	7 B15M X 3600	7 B15M X 3600	7 B15M X 3600
35M	35M	7 B15M X 3600	7 B15M X 3600	7 B15M X 3600	7 B15M X 3600

PROJECT		MANSTEEL REBAR	
FORESTSIDE TOWNHOUSES -BRAMPTON, ON		MANSTEEL REBAR	
SHEAR WALLS -L1-L2 PH13,14		MANSTEEL REBAR	
CUSTOMER: ROYAL PINE HOMES		MANSTEEL REBAR	
PROJECT NO. 2177		MANSTEEL REBAR	
SCALE: AS SHOWN		MANSTEEL REBAR	
DRAWING NO.		MANSTEEL REBAR	
REVISION: 01		MANSTEEL REBAR	
DATE: SEP/22/21		MANSTEEL REBAR	
BY: J		MANSTEEL REBAR	

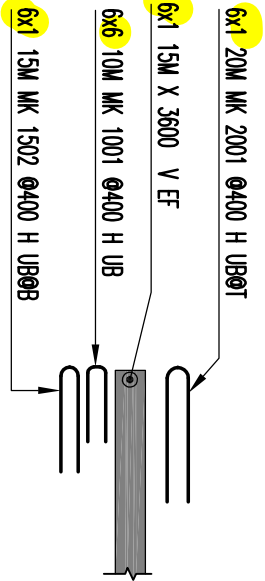


BUILDING-D WALL PLAN
SCALE: 1:100
(POUR-15 & 16)

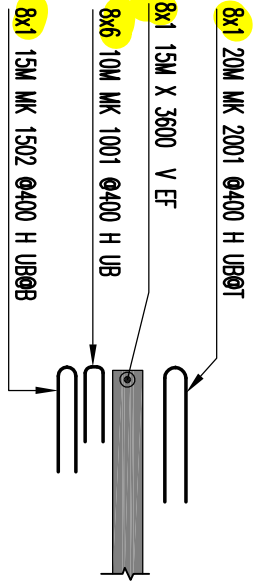


SECTION 1
SCALE: 1:25

SECTION 2
SCALE: 1:25



TYPICAL WALL END DETAIL
SCALE: 1:30
(6 NOS REQUIRED)



TYPICAL WALL END DETAIL
SCALE: 1:30
(8 NOS REQUIRED)

NOTES

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

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

4. COMPRESSION LAP SPLICE

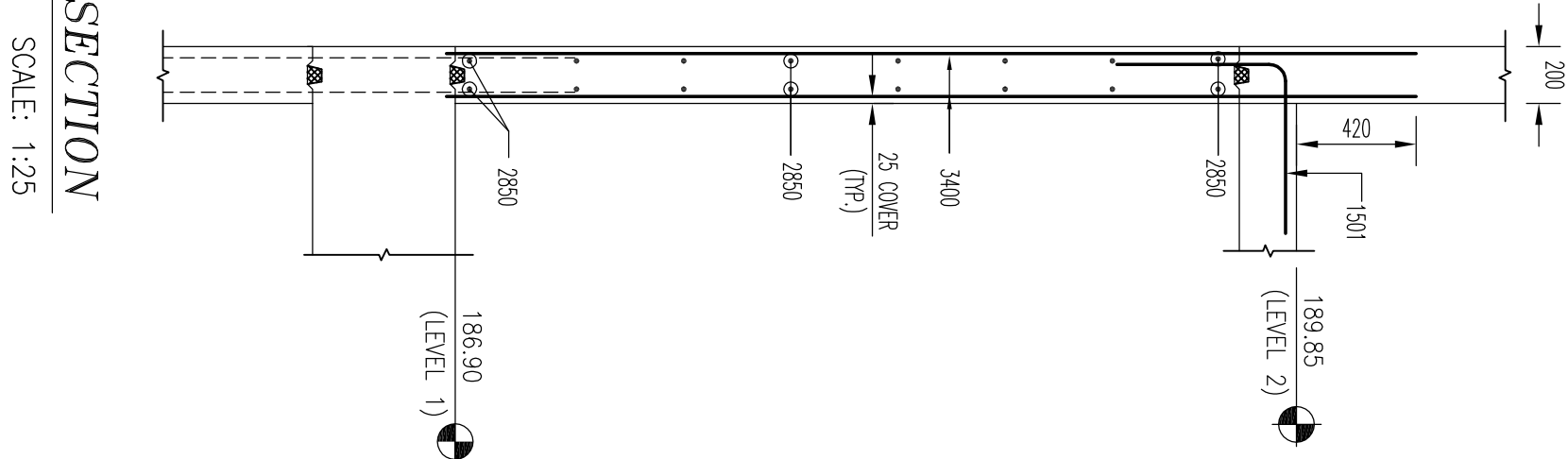
(FOR WALL OR COL & LD IN CAP OR FLG.)

BAR SIZE	fc=25	fc=30	fc=35
L.S	L.d	L.d	L.S
10M	490	380	450
15M	740	570	620
20M	980	750	830
25M	1530	1170	1290
30M	1830	1410	1550
35M	2130	1640	1800

5. TENSION LAP SPLICE (L.S.) & DEVELOPMENT LENGTH (L.d)

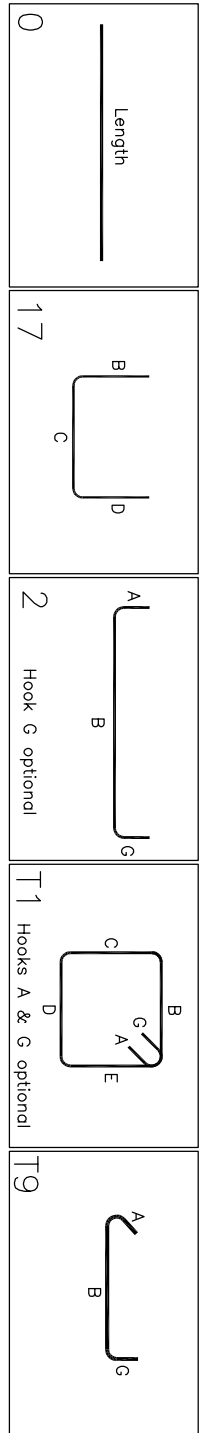
BAR SIZE	fc=25	fc=30	fc=35
L.S	L.d	L.d	L.S
10M	490	380	450
15M	740	570	620
20M	980	750	830
25M	1530	1170	1290
30M	1830	1410	1550
35M	2130	1640	1800

Reinforcement Bar (R) List									
Bar Mark	Qty	Size	Unit Length [m]	Unit Weight [kg]	W	V	T	V	V
	12	10M	5000	3.70	5000				
	12	10M	3700	3.70					
	12	10M	4000	4.00					
	12	10M	5000	4.00					
	20M	10M	5000	5.00					
	16	10M	2000	2.50					
	24	10M	4000	4.00					
	36	10M	1120	1.7					
1001	6	15M	3000	3.60					
					130			500	
	2	15M	4000	4.00					
	2	15M	6700	6.70					
	6	15M	3000	3.60					
	2	15M	7300	7.30					
	2	15M	7350	7.35					
	6	15M	1500	1.5					
	2	15M	1500	1.5					
	2	20M	4000	4.00					
	2	20M	6000	6.00					
	6	20M	3000	3.60					
	2	20M	7500	7.50					
	2	20M	7500	7.50					
2001	6	20M	1960	1.7					
					180			3000	



—
SCALE: 1:25
(POUR-15)

TENSION LAP SPlice (L/S) & DEVELOPMENT (L/d) FOR WALL OR COL & L/d IN CAP OR FTG.	BAR SIZE			
	f _c =25		f _c =35	
	L/S	L/d	L/S	L/d
10M	490	360	450	350
15M	740	570	670	520
20M	980	750	890	690
25M	1530	1170	1390	1070
30M	1830	1410	1670	1290
				1550
				1190

[illegible][illegible]

DRAWING REVIEW

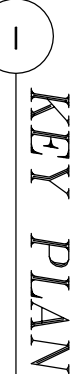
This review of this drawing does not in any way relieve the contractor of responsibility for its accuracy or for compliance with the contract documents.

✓	No comment	See comment
Amend & Resubmit		Rejected See Remarks

Submission No.	19066
Project No.	
By	MB
Date	22 Sep 2021

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

CUSTOMER :		Project no. 2177	
ROYAL PINE HOMES		SCALE: AS SHOWN	
DETAIL BY: JU CHECKED BY:		DRAWING No.	
BAR LIST No.		R7.18 	

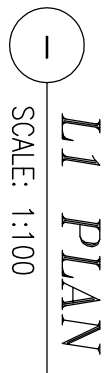
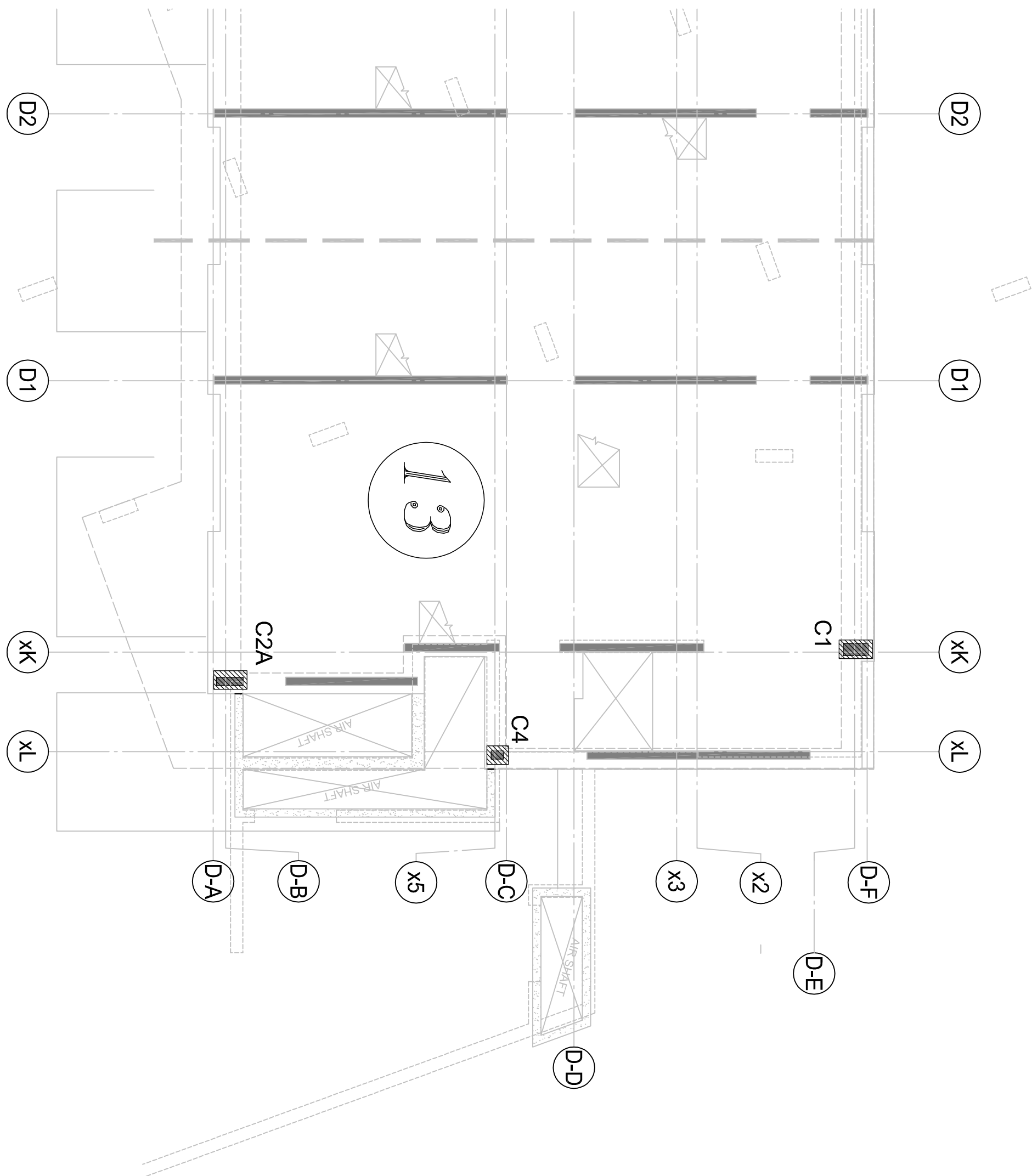
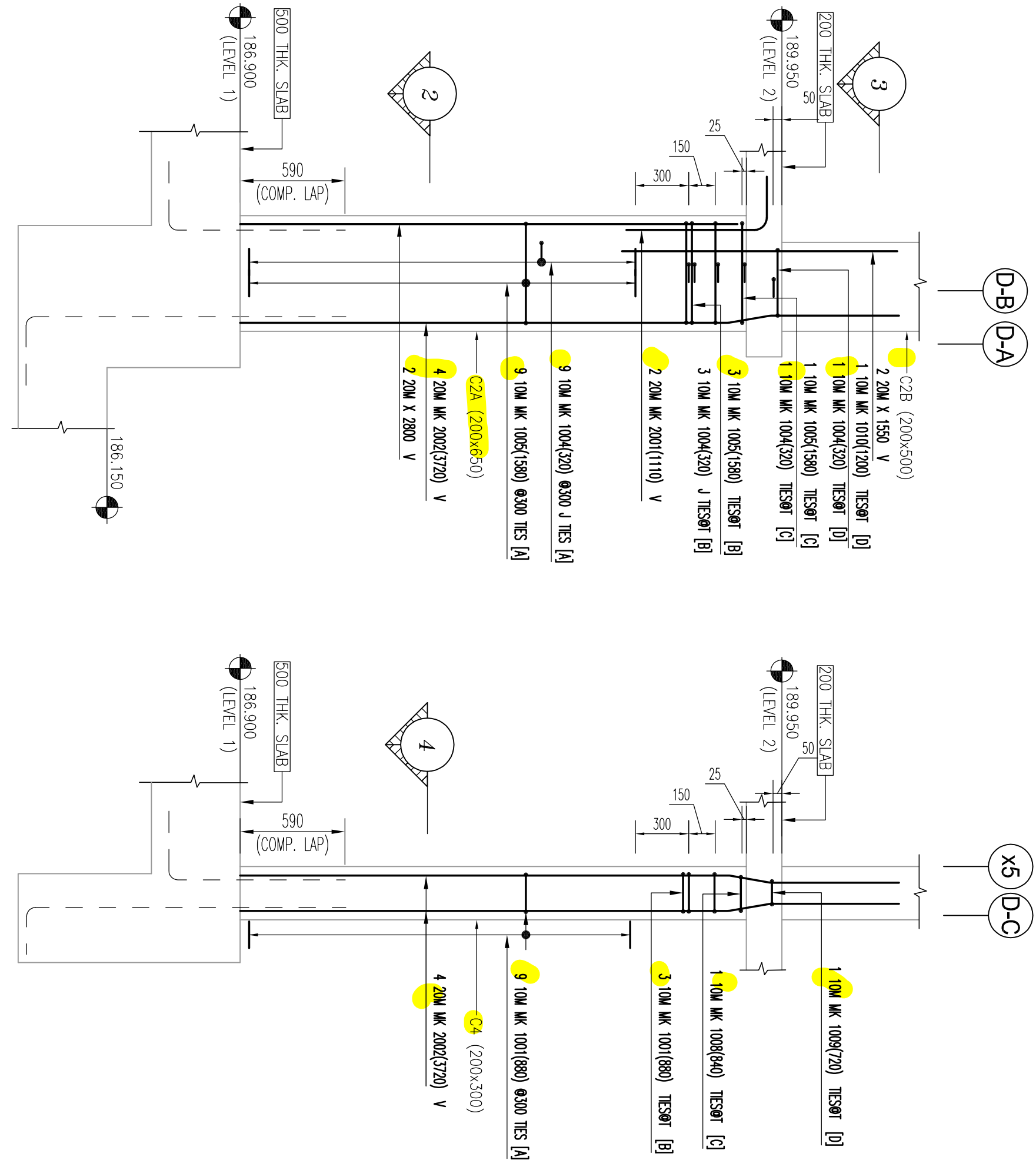
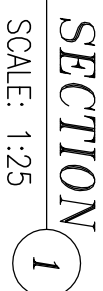
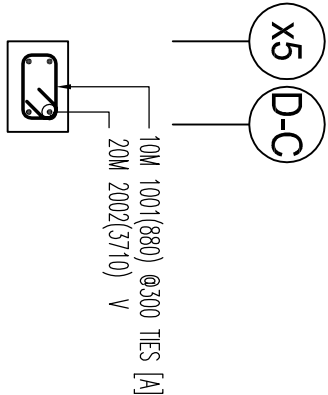
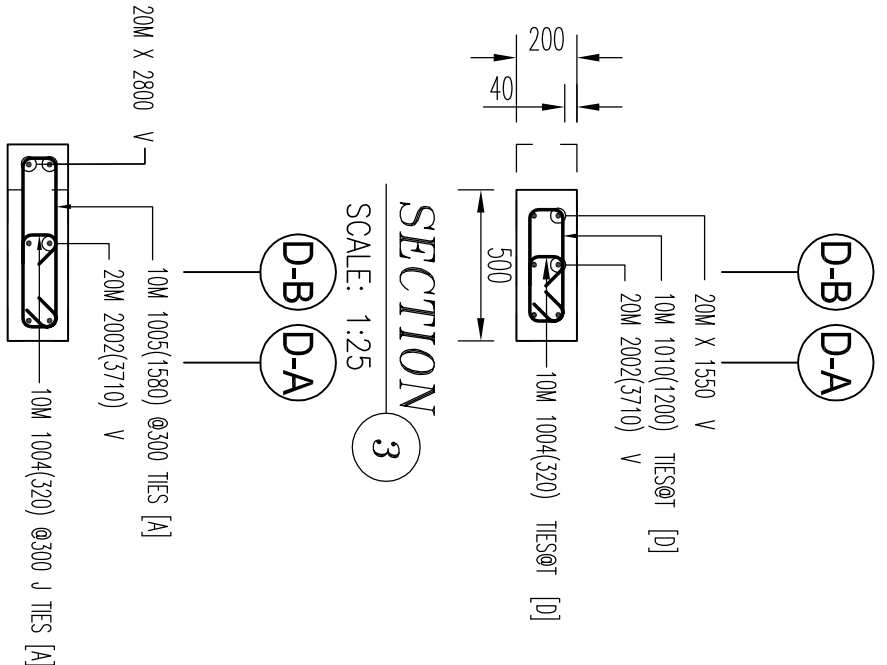


Length		Stoices (isomeric view)
0		
17		
26		

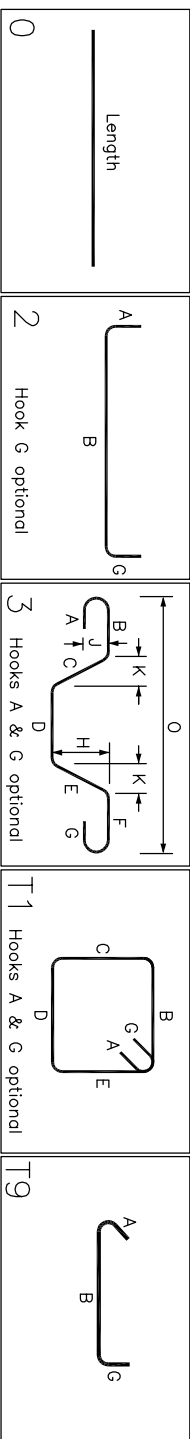
DRAWING REVIEW		
This review of this drawing does not in any way relieve the contractor of responsibility for its accuracy or for compliance with the contract documents.		
☒	No comment	See comment
☐	Amend & Resubmit	Rejected See Remarks
Submission No. <u>19066</u>		
By <u>MB</u>		
Date <u>22 Sep 2021</u>		
JABLONSKY, AST AND PARTNERS Consulting Engineers 11229 Leslie Street Don Mills, Ont. M3C 2K5		

R7.19

Rebar Number 8/20 Building-35 from L1-L2 P#16												
Bar Mark	Qty	Size	Min Length	19m	Y	V	V	V	V	V	V	V
2A	10M	3600	0		3600							
2B	10M	3600	0		3600							
2C	10M	5000	0		5000							
2D	10M	5000	0		5000							
2E	10M	5000	0		5000							
2F	10M	5000	0		5000							
2G	10M	5000	0		5000							
2H	10M	5000	0		5000							
2I	10M	5000	0		5000							
2J	10M	5000	0		5000							
2K	10M	5000	0		5000							
2L	10M	5000	0		5000							
2M	10M	5000	0		5000							
2N	10M	5000	0		5000							
2O	10M	5000	0		5000							
2P	10M	5000	0		5000							
2Q	10M	5000	0		5000							
2R	10M	5000	0		5000							
2S	10M	5000	0		5000							
2T	10M	5000	0		5000							
2U	10M	5000	0		5000							
2V	10M	5000	0		5000							
2W	10M	5000	0		5000							
2X	10M	5000	0		5000							
2Y	10M	5000	0		5000							
2Z	10M	5000	0		5000							
2AA	10M	5000	0		5000							
2AB	10M	5000	0		5000							
2AC	10M	5000	0		5000							
2AD	10M	5000	0		5000							
2AE	10M	5000	0		5000							
2AF	10M	5000	0		5000							
2AG	10M	5000	0		5000							
2AH	10M	5000	0		5000							
2AI	10M	5000	0		5000							
2AJ	10M	5000	0		5000							
2AK	10M	5000	0		5000							
2AL	10M	5000	0		5000							
2AM	10M	5000	0		5000							
2AN	10M	5000	0		5000							
2AO	10M	5000	0		5000							
2AP	10M	5000	0		5000							
2AQ	10M	5000	0		5000							
2AR	10M	5000	0		5000							
2AS	10M	5000	0		5000							
2AT	10M	5000	0		5000							
2AU	10M	5000	0		5000							
2AV	10M	5000	0		5000							
2AW	10M	5000	0		5000							
2AX	10M	5000	0		5000							
2AY	10M	5000	0		5000							
2AZ	10M	5000	0		5000							
2BA	10M	5000	0		5000							
2BB	10M	5000	0		5000							
2BC	10M	5000	0		5000							
2BD	10M	5000	0		5000							
2BE	10M	5000	0		5000							
2BF	10M	5000	0		5000							
2BG	10M	5000	0		5000							
2BH	10M	5000	0		5000							
2BI	10M	5000	0		5000							
2BJ	10M	5000	0		5000							
2BK	10M	5000	0		5000							
2BL	10M	5000	0		5000							
2BM	10M	5000	0		5000							
2BN	10M	5000	0		5000							
2BO	10M	5000	0		5000							
2BP	10M	5000	0		5000							
2BQ	10M	5000	0		5000							
2BR	10M	5000	0		5000							
2BS	10M	5000	0		5000							
2BT	10M	5000	0		5000							
2BU	10M	5000	0		5000							
2BV	10M	5000	0		5000							
2BW	10M	5000	0		5000							
2BX	10M	5000	0		5000							
2BY	10M	5000	0		5000							
2BZ	10M	5000	0		5000							
2CA	10M	5000	0		5000							
2CB	10M	5000	0		5000							
2CC	10M	5000	0		5000							
2CD	10M	5000	0		5000							
2CE	10M	5000	0		5000							
2CF	10M	5000	0		5000							
2CG	10M	5000	0		5000							
2CH	10M	5000	0		5000							
2CI	10M	5000	0		5000							
2CJ	10M	5000	0		5000							
2CK	10M	5000	0		5000							
2CL	10M	5000	0		5000							
2CM	10M	5000	0		5000							
2CN	10M	5000	0		5000							
2CO	10M	5000	0		5000							
2CP	10M	5000	0		5000							
2CQ	10M	5000	0		5000							
2CR	10M	5000	0		5000							
2CS	10M	5000	0		5000							
2CT	10M	5000	0		5000							
2CU	10M	5000	0		5000							
2CV	10M	5000	0		5000							
2CW	10M	5000	0		5000							
2CX	10M	5000	0		5000							
2CY	10M	5000	0		5000							
2CZ	10M	5000	0		5000							
2DA	10M	5000	0		5000							
2DB	10M	5000	0		5000							
2DC	10M	5000	0		5000							
2DD	10M	5000	0		5000							
2DE	10M	5000	0		5000							
2DF	10M	5000	0		5000							
2DG	10M	5000	0		5000							
2DH	10M	5000	0		5000							
2DI	10M	5000	0		5000							
2DJ	10M	5000	0		5000							
2DK	10M	5000	0		5000							
2DL	10M	5000	0		5000							
2DM	10M	5000	0		5000							
2DN	10M	5000	0		5000							
2DO	10M	5000	0		5000							
2DP	10M	5000	0		5000							
2DQ	10M	5000	0		5000							
2DR	10M	5000	0		5000							
2DS	10M	5000	0		5000							
2DT	10M	5000	0		5000							
2DU	10M	5000	0		5000							
2DV	10M	5000	0		5000							
2DW	10M	5000	0		5000							
2DX	10M	5000	0		5000							
2DY	10M	5000	0		5000							
2DZ	10M	5000	0		5000							
2EA	10M	5000	0		5000							
2EB	10M	5000	0		5000							
2EC	10M	5000	0		5000							
2ED	10M	5000	0		5000							
2EE	10M	5000	0		5000							
2EF	10M	5000	0		5000							
2EG	10M	5000	0		5000							
2EH	10M	5000	0		5000							
2EI	10M	5000	0		5000							
2EJ	10M	5000	0		5000							
2EK	10M	5000	0		5000							
2EL	10M	5000	0		5000							
2EM	10M	5000	0		5000							
2EN	10M	5000	0		5000							
2EO	10M	5000	0		5000							
2EP	10M	5000	0		5000							
2EQ	10M	5000	0		5000							
2ER	10M	5000	0		5000							
2ES	10M	5000	0		5000							
2ET	10M	5000	0		5000							
2EU	10M	5000	0		5000							
2EV	10M	5000	0		5000							
2EW	10M	5000	0		5000							
2EX	10M	5000	0		5000							
2EY	10M	5000	0		5000							
2EZ	10M	5000	0		5000							
2FA	10M	5000	0		5000							
2FB	10M	5000	0		5000							
2FC	10M	5000	0		5000							
2FD	10M	5000	0		5000							
2FE	10M	5000	0		5000							
2FF	10M	5000	0		5000							



Response Number: R-66, Station: 0+1+12.745-1												
Box Mark	Qty	Size	Load Length (ft)	W	H	SHELF						
						1-200	200	1-1	200	200	1-1	200
3001	2	2.00	260	2	316							
3002	2	2.00	260	2	316							
3003	202	14.00	3120	5	750		246	276			60	236
010	100	14.00	1030	10	360		120	380				
100	105	13.00	1960	11	510	120	370	120				
101	100	12.00	880	11	100	220	220	120				
102	100	11.00	840	11	100	200	120	120				
103	100	11.00	840	11	100	200	120	120				
104	100	11.00	840	11	100	200	120	120				
105	100	11.00	840	11	100	200	120	120				
106	100	11.00	840	11	100	200	120	120				
107	100	11.00	840	11	100	200	120	120				
108	100	11.00	840	11	100	200	120	120				
109	100	11.00	840	11	100	200	120	120				
110	100	11.00	840	11	100	200	120	120				
111	100	11.00	840	11	100	200	120	120				
112	100	11.00	840	11	100	200	120	120				
113	100	11.00	840	11	100	200	120	120				
114	100	11.00	840	11	100	200	120	120				
115	100	11.00	840	11	100	200	120	120				
116	100	11.00	840	11	100	200	120	120				
117	100	11.00	840	11	100	200	120	120				
118	100	11.00	840	11	100	200	120	120				
119	100	11.00	840	11	100	200	120	120				
120	100	11.00	840	11	100	200	120	120				
121	100	11.00	840	11	100	200	120	120				
122	100	11.00	840	11	100	200	120	120				
123	100	11.00	840	11	100	200	120	120				
124	100	11.00	840	11	100	200	120	120				
125	100	11.00	840	11	100	200	120	120				
126	100	11.00	840	11	100	200	120	120				
127	100	11.00	840	11	100	200	120	120				
128	100	11.00	840	11	100	200	120	120				
129	100	11.00	840	11	100	200	120	120				
130	100	11.00	840	11	100	200	120	120				
131	100	11.00	840	11	100	200	120	120				
132	100	11.00	840	11	100	200	120	120				
133	100	11.00	840	11	100	200	120	120				
134	100	11.00	840	11	100	200	120	120				
135	100	11.00	840	11	100	200	120	120				
136	100	11.00	840	11	100	200	120	120				
137	100	11.00	840	11	100	200	120	120				
138	100	11.00	840	11	100	200	120	120				
139	100	11.00	840	11	100	200	120	120				
140	100	11.00	840	11	100	200	120	120				
141	100	11.00	840	11	100	200	120	120				
142	100	11.00	840	11	100	200	120	120				
143	100	11.00	840	11	100	200	120	120				
144	100	11.00	840	11	100	200	120	120				
145	100	11.00	840	11	100	200	120	120				
146	100	11.00	840	11	100	200	120	120				
147	100	11.00	840	11	100	200	120	120				
148	100	11.00	840	11	100	200	120	120				
149	100	11.00	840	11	100	200	120	120				
150	100	11.00	840	11	100	200	120	120				
151	100	11.00	840	11	100	200	120	120				
152	100	11.00	840	11	100	200	120	120				
153	100	11.00	840	11	100	200	120	120				
154	100	11.00	840	11	100	200	120	120				
155	100	11.00	840	11	100	200	120	120				
156	100	11.00	840	11	100	200	120	120				
157	100	11.00	840	11	100	200	120	120				
158	100	11.00	840	11	100	200	120	120				
159	100	11.00	840	11	100	200	120	120				
160	100	11.00	840	11	100	200	120	120				
161	100	11.00	840	11	100	200	120	120				
162	100	11.00	840	11	100	200	120	120				
163	100	11.00	840	11	100	200	120	120				
164	100	11.00	840	11	100	200	120	120				
165	100	11.00	840	11	100	200	120	120				
166	100	11.00	840	11	100	200	120	120				
167	100	11.00	840	11	100	200	120	120				
168	100	11.00	840	11	100	200	120	120				
169	100	11.00	840	11	100	200	120	120				
170	100	11.00	840	11	100	200	120	120				
171	100	11.00	840	11	100	200	120	120				
172	100	11.00	840	11	100	200	120	120				
173	100	11.00	840	11	100	200	120	120				
174	100	11.00	840	11	100	200	120	120				
175	100	11.00	840	11	100	200	120	120				
176	100	11.00	840	11	100	200	120	120				
177	100	11.00	840	11	100	200	120	120				
178	100	11.00	840	11	100	200	120	120				
179	100	11.00	840	11	100	200	120	120				
180	100	11.00	840	11	100	200	120	120				
181	100	11.00	840	11	100	200	120	120				
182	100	11.00	840	11	100	200	120	120				
183	100	11.00	840	11	100	200	120	120				
184	100	11.00	840	11	100	200	120	120				
185	100	11.00	840	11	100	200	120	120				
186	100	11.00	840	11	100	200	120	120				
187	100	11.00	840	11	100	200	120	120				
188	100	11.00	840	11	100	200	120	120				
189	100	11.00	840	11	100	200	120	120				
190	100	11.00	840	11	100	200	120	120				
191	100	11.00	840	11	100	200	120	120				
192	100	11.00	840	11	100	200	120	120				
193	100	11.00	840	11	100	200	120	120				
194	100	11.00	840	11	100	200	120	120				
195	100	11.00	840	11	100	200	120	120				
196	100	11.00	840	11	100	200	120	120				
197	100	11.00	840	11	100	200	120	120				
198	100	11.00	840	11	100	200	120	120				
199	100	11.00	840	11	100	200	120	120				
200	100	11.00	840	11	100	200	120	120				



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.	
Project No.	19066
By	MB
Date	22 Sep 2021

JABLONSKY, AST AND PARTNERS

Consulting Engineers
1129 Leslie Street Don Mills, Ont. M3C 2K5

NOTES

1. ALL STEEL TO BE GRADE 400W

2. STRENGTH OF CONCRETE
35MPa – INTERIOR COLUMNS & WALLS

3. CONCRETE COVER:
TIES – – 40mm

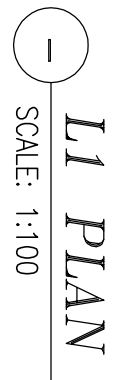
4. COMPRESSION LAP SPICE

5. TENSION LAP SPICE (L.S.) & DEVELOPMENT LENGTH (Ld)
(FOR WALL OR COL. & Ld IN CAP OR FTG.)

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

BAR SIZE	lc=25		lc=30		lc=35	
	Ld	L.S.	Ld	L.S.	Ld	L.S.
10M	490	360	450	350	420	320
15M	740	570	670	520	620	480
20M	990	750	890	690	830	640
25M	1330	1170	1390	1070	1290	990
30M	1830	1470	1670	1290	1550	1190

[illegible]

For full production by EikonOro 2021.0

✓	No comment	See comment
	Amend & Resubmit	Rejected See Remarks

NOT

CONCLUSIONS

3, CONCRETE COVER:
TIES

WCC35M

☐ QUALITY	☐ W = WEEDABLE
---	--

1111

1111

1000

HECKED BY:	
------------	--

Downloaded from ascelibrary.org by University of California, San Diego on 06/01/15. Copyright ASCE, For All Rights Reserved, No part of this document may be reproduced without written permission from ASCE.

R8.7