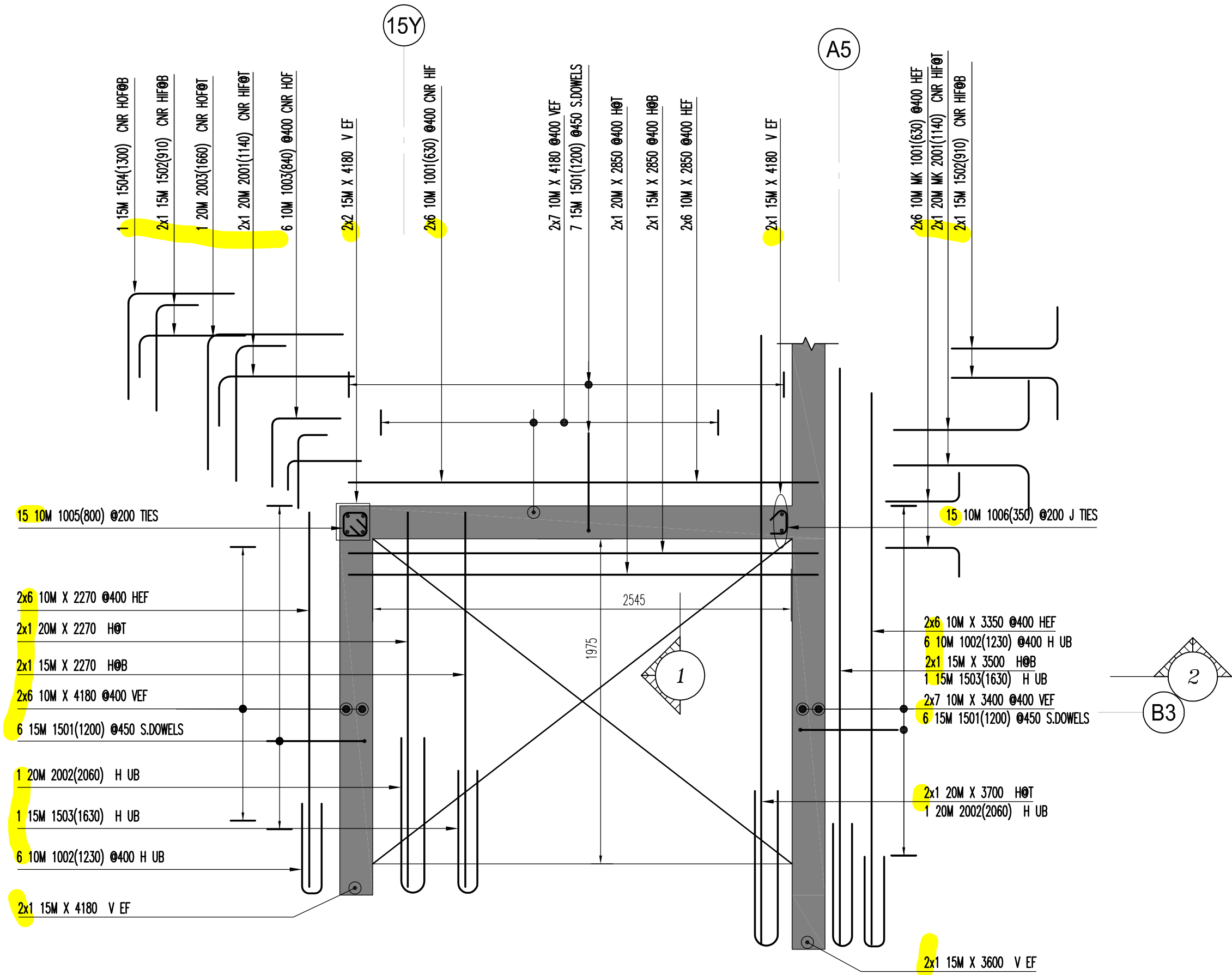
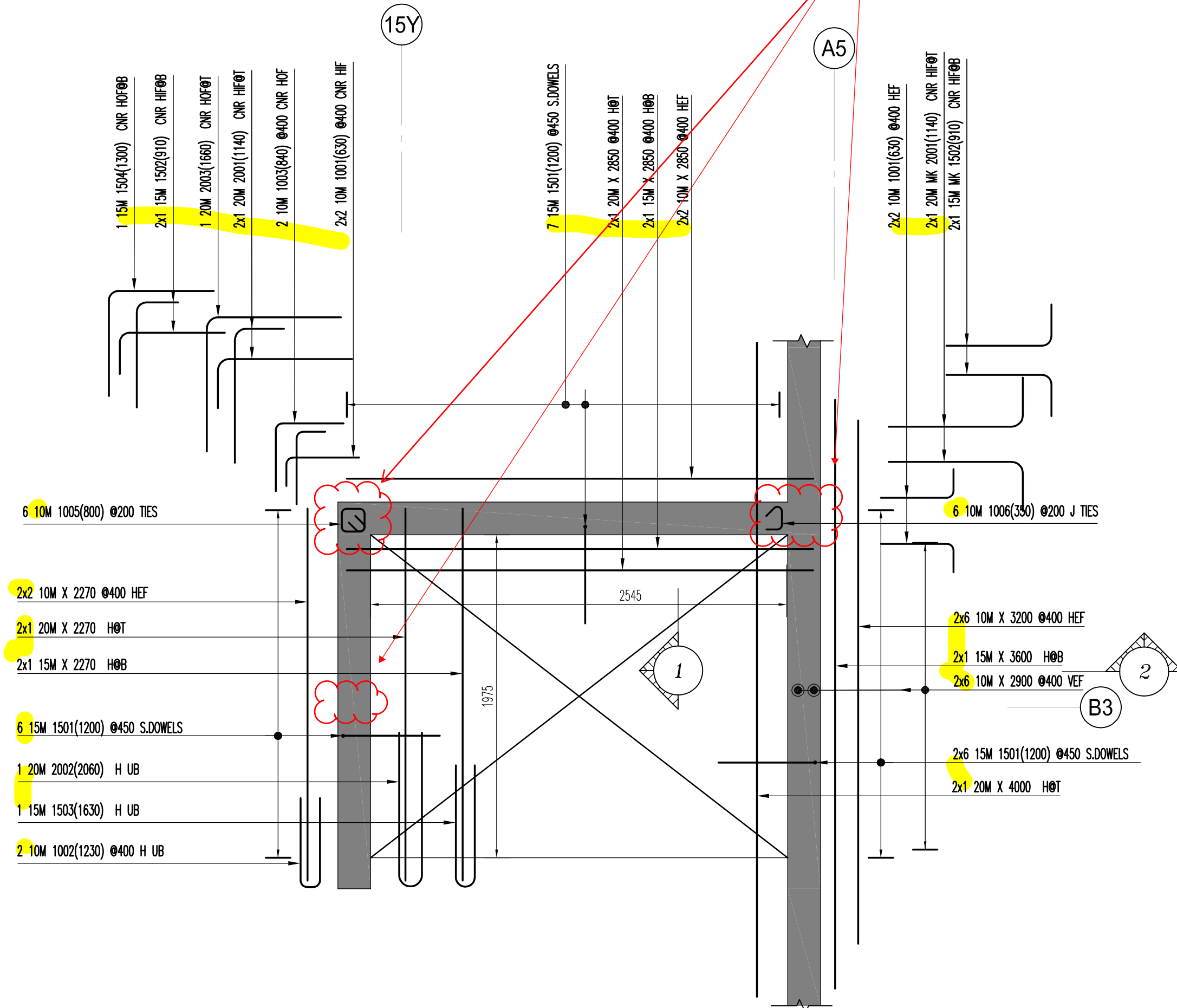
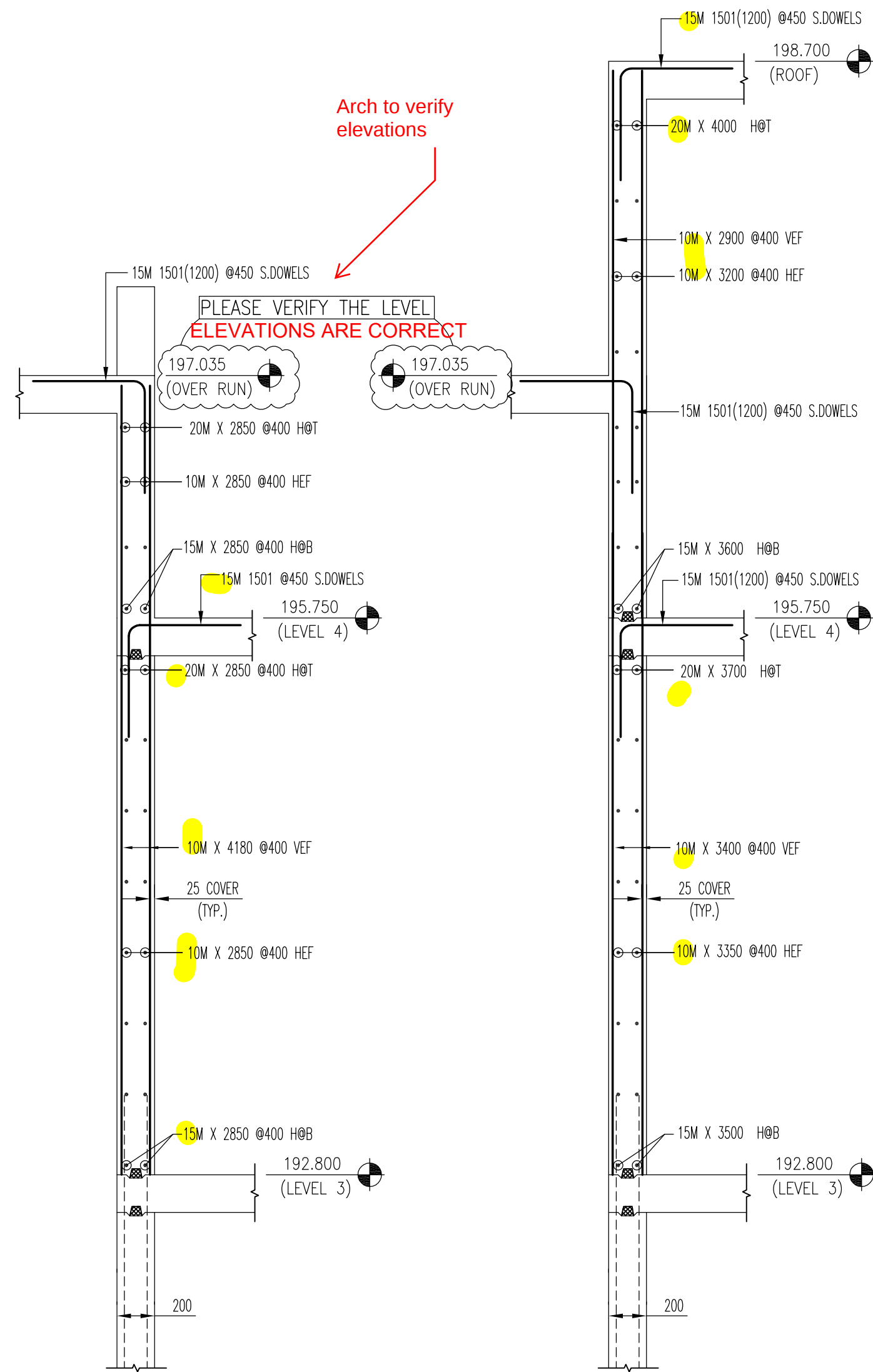




BUILDING-A
ELEVATOR WALL PLAN L3-L4
SCALE: 1:25
(POUR-2)



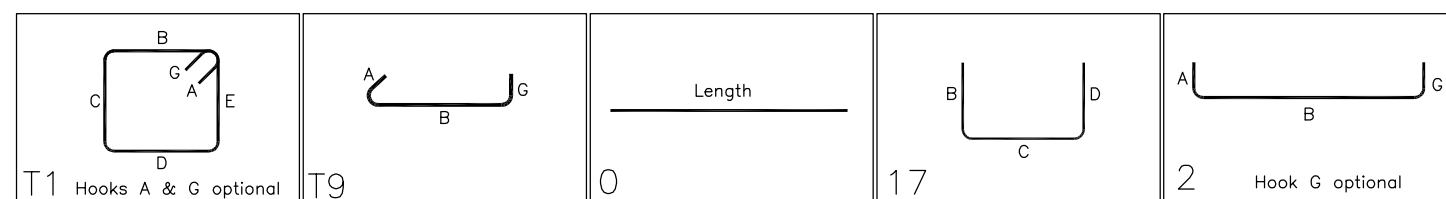
BUILDING-A
ELEVATOR WALL PLAN L4-OVERRUN
SCALE: 1:25
(POUR-2)



1 SECTION
SCALE: 1:25

2 SECTION
SCALE: 1:25

Bar Mark										BWP LIST									
Qty	Size	Total Length	Type	X'	Y'	Z'	W'	V'	U'	X'	Y'	Z'	W'	V'	U'	X'	Y'	Z'	W'
1005	21 10M	800	11	100	150	150	150	150	100										
1006	21 10M	350	19	100	150				100										
	12 10M	3350	0		3350														
	16 10M	2270	0		2270														
	25 10M	4180	0		4180														
	12 10M	3200	0		3200														
	4 10M	2850	0		2850														
	14 10M	3400	0		3400														
	12 10M	2850	0		2850														
	12 10M	2900	0		2900														
1002	14 10M	1230	17		550		130	550											
1001	32 10M	630	2	180	450														
1003	8 10M	840	17		420	420													
	2 15M	2850	0		2850														
	2 15M	3500	0		3500														
	4 15M	2270	0		2270														
	2 15M	3600	0		3600														
	8 15M	4180	0		4180														
	2 15M	3600	0		3600														
	2 15M	2850	0		2850														
1503	3 15M	1630	17		750	130	750												
1504	2 15M	1300	17		650	650													
1502	8 15M	910	2	260	650		160	950											
1501	44 15M	1200	17		600	600													
	4 20M	2270	0		2270														
	2 20M	4000	0		4000														
	2 20M	2850	0		2850														
	2 20M	3700	0		3700														
	2 20M	2850	0		2850														
2002	3 20M	2850	17		650														
2001	8 20M	1140	2	310	830														
2003	2 20M	1660	17		830	830													
	8 15M	2900	0		2900														



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 **25 Jun 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 CONFIRMS/VERIFIES WILL BE ASSUMED CORRECT AND APPROVED AS IS UNLESS COMMENTED ON THE APPROVAL DRAWS

LEGEND
ALT = ALTERNATE
BOT = BOTTOM
BIS = BEND INTO SLAB
CB = CORNER BAR
CJS = CONTROL JOINT
CUT = CUT TO SUIT SITE COND.
DWL = DOWELS
EF = EACH FACE
EJ = EXPANSION JOINT
ES = EACH SIDE
EW = EACH WAY
FF = FAR FACE
FS = FORM SAVER
GIO = GROUT 'N DOWELS
H = HORIZONTAL
IF = INSIDE FACE
LL = LOWER LAYER
MID = MIDDLE
MIN = MINIMUM
NF = NEAR FACE
OC = ON CENTER
OF = OUTSIDE FACE
SC = SAW CUT END
STG = STAGGER
STR = STRIPS
T = TOP
THR/1 = THREAD LEND
THR/2 = THREAD ZENDS
UL = UPPER LAYER
V = VERTICAL
TT = TIE
TT = TIE

STRAIGHT BARS LABEL FORMAT
7 B15M X 3600
QUANTITY
GRADE
LENGTH

BENT BARS LABEL FORMAT
7 B15M B1501
QUANTITY
SIZE
GRADE
LENGTH
BEND

GRADES OF STEEL
B = GRADE 400W
C = GRADE 50W
F = F500
S = STAINLESS
W = WELDABLE

FOR APPROVAL	JUN/22/21	JJ
ISSUE	REMARKS	DATE
MANSTEEL REBAR 105 Industrial Road, Richmond Hill, Ontario L4C 2Y4 Canada Phone: 905-737-9797 Fax: 905-737-9704 Email: info@mansteelrebar.com		
PROJECT FORESTSIDE TOWNHOUSES -BRAMPTON, ON		
PART OF STRUCTURE ELEVATOR SHEAR WALLS L3-L4 P#2		
CUSTOMER :	Project no. 2177	
ROYAL PINE HOMES	SCALE AS SHOWN	
DETAILED BY: JJ	BAR LIST No.	DRAWING No.
CHECKED BY:		R13.0

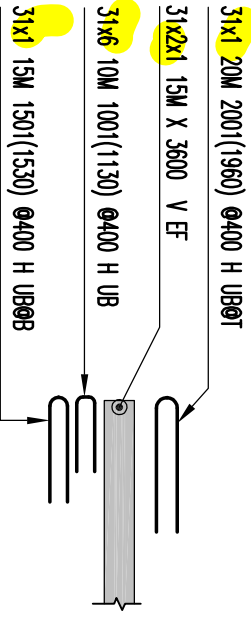
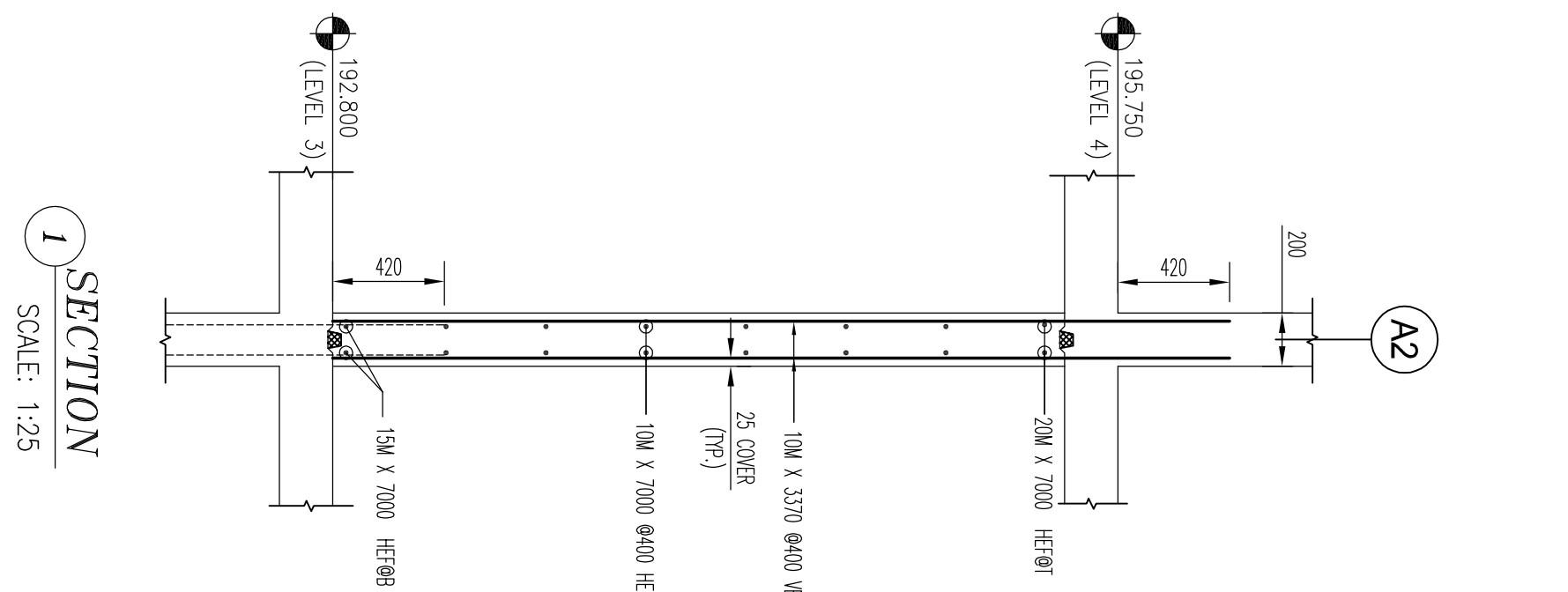
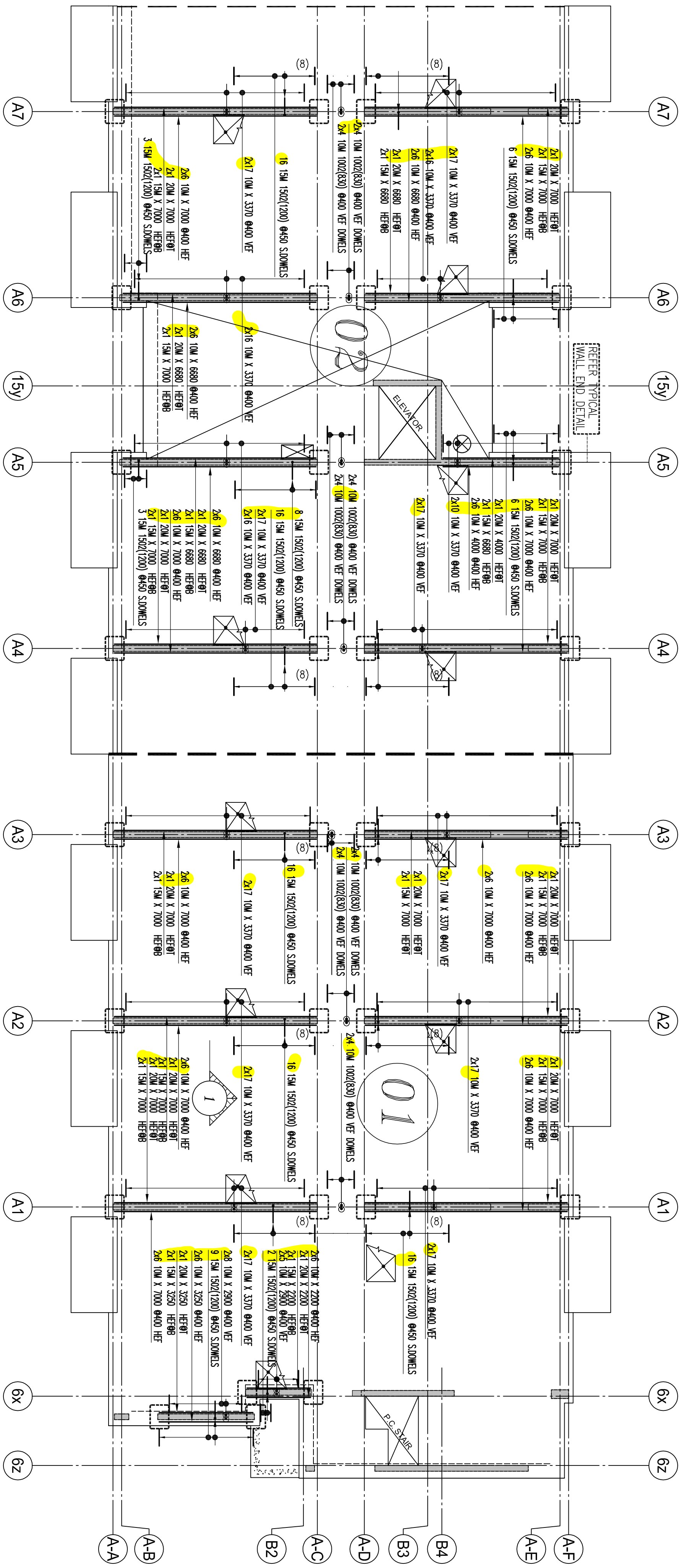
- NOTES
- ALL STEEL TO BE GRADE 400W
 - STRENGTH OF CONCRETE
35MPa - INTERIOR COLUMNS & WALLS
 - CONCRETE COVER:
VERTICALS

4. COMPRESSION LAP SPICE

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

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

BAR SIZE	fc=25		fc=30		fc=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	1530	1170	1390	1070	1290	990
30M	1830	1410	1670	1290	1550	1190
35M	2130	1640	1950	1500	1800	1390



TYPICAL WALL END DETAIL
(POUR-1&2)
SCALE: 1:50
(31 NOS REQUIRED)

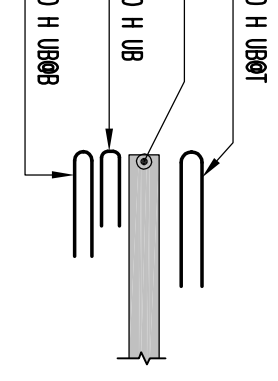
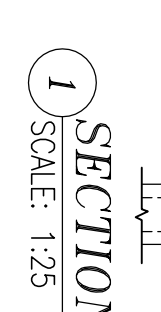
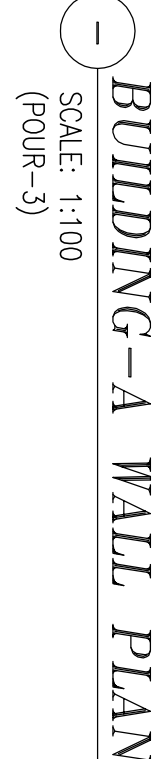
BUILDING-A WALL PLAN
(POUR-1 & 2)
SCALE: 1:100

NOTES

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

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

5. TENSION LAP SPICE (L.S) & DEVELOPMENT LENGTH (L.d)											
FOR WALL OR COL & L.d IN CAP OR FTG.											
BAR SIZE											
L.S			L.d			L.S			L.d		
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ETAIL
(POUR-3

[illegible]

0		
17		
2		Hook C optional

4. COMPRESSION LAP SPUCE			5. TENSION LAP SPUCE (L.S.) & DEVELOPMENT (FOR WALL OR COL. & LD IN CAP OR FTG.)							LENGTH (Ld)	
BAR SIZE	STANDARD LAP (mm)	L	fc=25			fc=30			fc=35		
			L.S.	L.d	L	L.S.	L.d	L	L.S.	L.d	L
10M	300	10M	490	380	450	350	420	320	480	380	450
15M	470	15M	570	570	520	670	520	480	540	480	540
20M	590	20M	680	680	630	780	630	590	650	590	650
25M	730	25M	980	750	890	690	830	640	940	710	820
30M	880	30M	1150	1170	1390	1070	1280	990	1100	1070	1280
35M	1030	35M	1410	1670	1570	1290	1550	1150	1360	1330	1550

5. TENSION MAP SPACE (L/S) & DEVELOPMENT LENGTH (Ld)									
FOR WARP OR COOL & L/D IN AIR OR FIB.									
BAR SIZE	fc=25			fc=30			fc=35		
	L/S	L/S	L/D	L/S	L/S	L/D	L/S	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	1530	1170	1390	1070	1290	990			
30M	1830	1410	1670	1290	1550	1190			
35M	2130	1640	1950	1500	1800	1390			

NOTES

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

DRAWING REVIEW

This review of this drawing does not in any way constitute a professional engineering review for its accuracy or for its compliance with the contract documents.

No comment	See comment
☒ Approved & Resubmit	☐ Rejected See Remarks

Submission No. 19066

Project No. MR

Date 25 Jun 2021

JABLONSKY, AST AND PARTNERS

Consulting Engineers

1239 Leslie Street Don Mills, Ont. M3C 2K5

MANSTEEL.  **REBAR**

MANSTEEL REBAR

105 Industrial Road, Richmond Hill,
 Ontario L4C 2Y4, Canada
 Phone: 905-727-8797
 Fax: 905-737-9704
 Email: info@mansteelrebar.com

**FORESTSIDE TOWNHOUSES
-BRAMPTON, ON**

SHEAR WALLS L3-L4 P#3

Project no.	2177
SCALE	AS SHOWN

DETAILED BY: JU	BAR LIST NO.	R13.3	
CHECKED BY:			

STANDARD BARS LABEL FORMAT	
GRADE	TYPE
QUANTITY	LENGTH
BENT BARS LABEL FORMAT	
GRADE	TYPE
QUANTITY	BAR MARK

0	FOR APPROVAL	JUN/22/21	3
	REMARKS	DATE	BY

MANSTEEL
REBAR

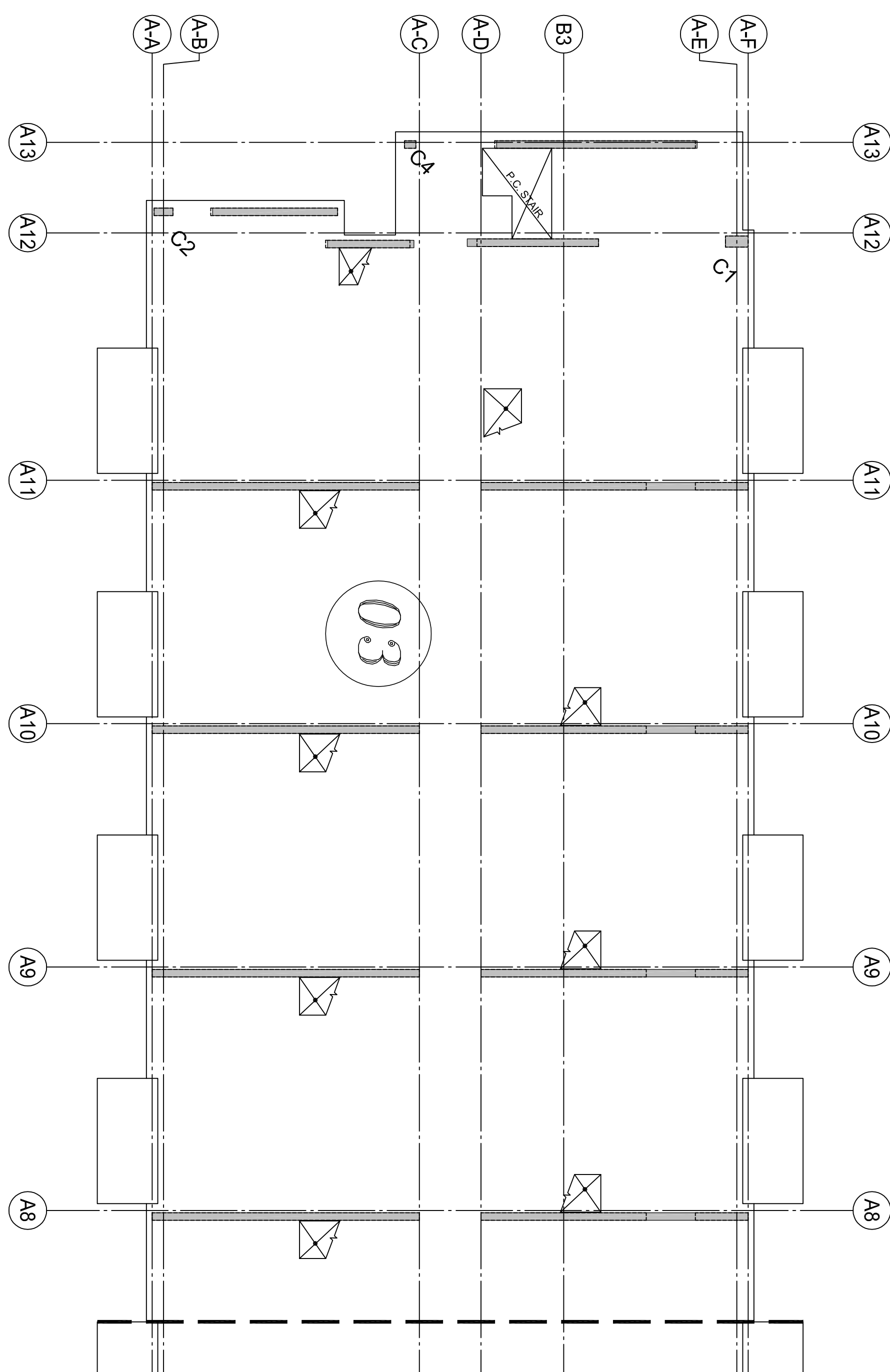
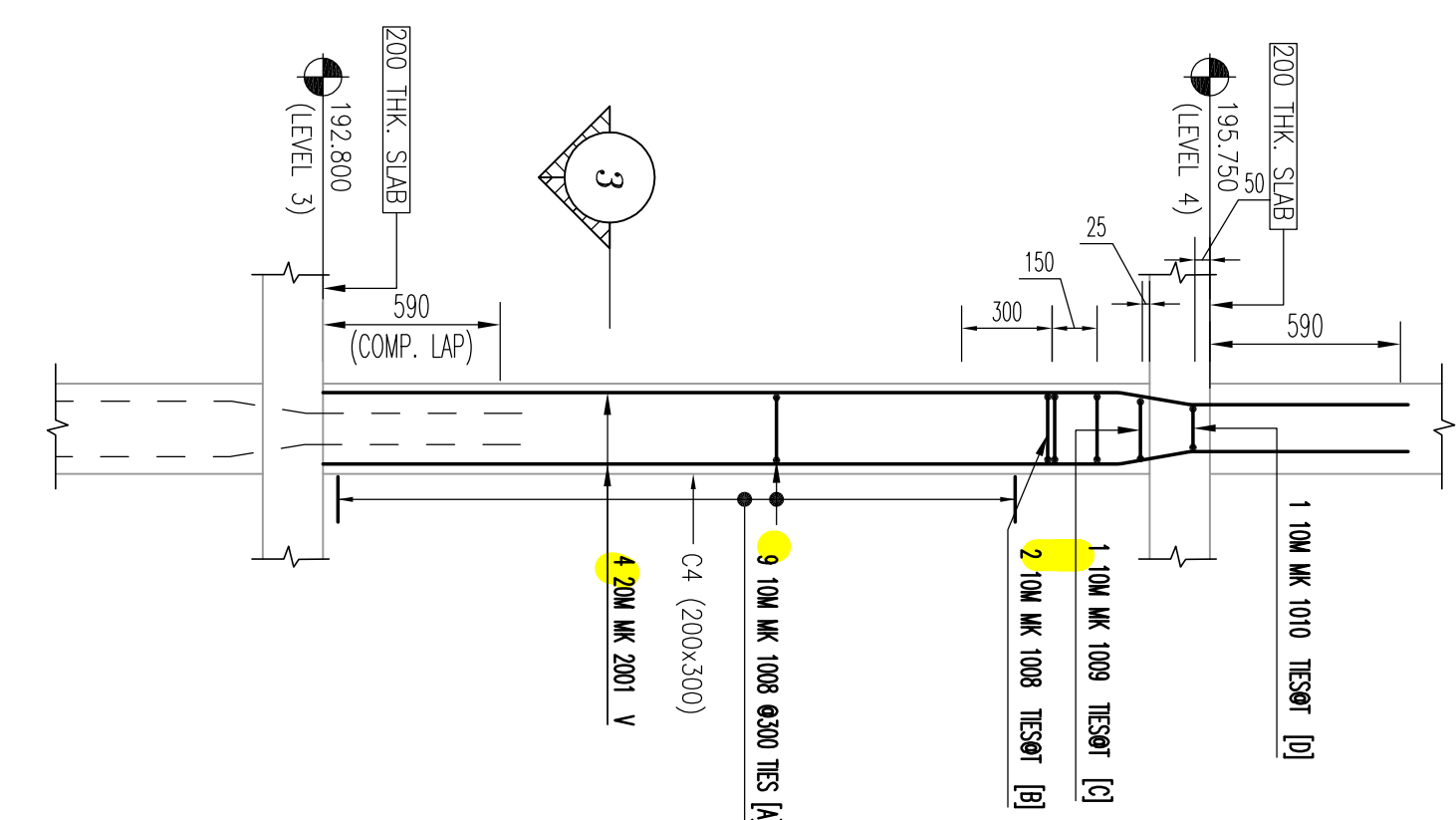
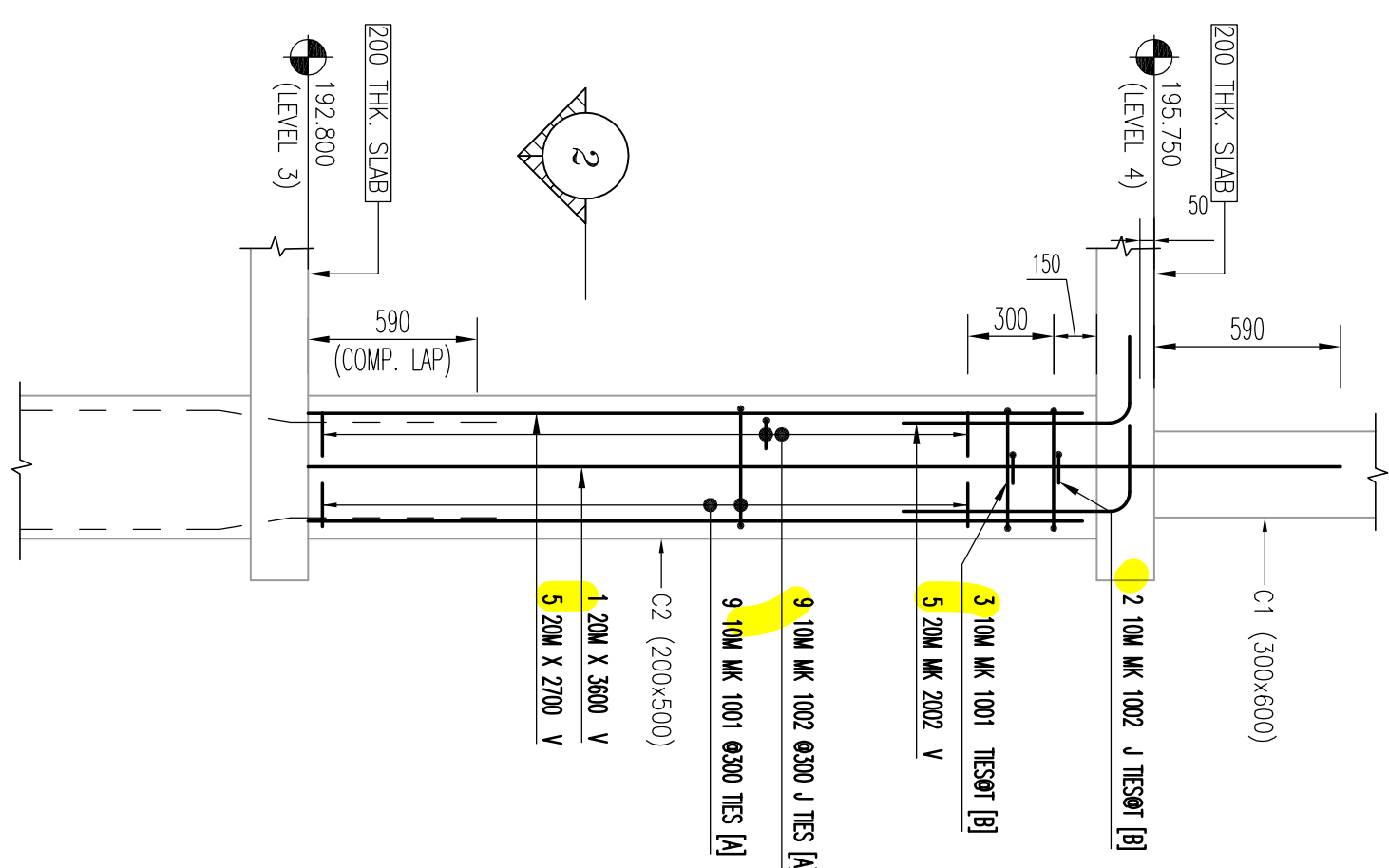
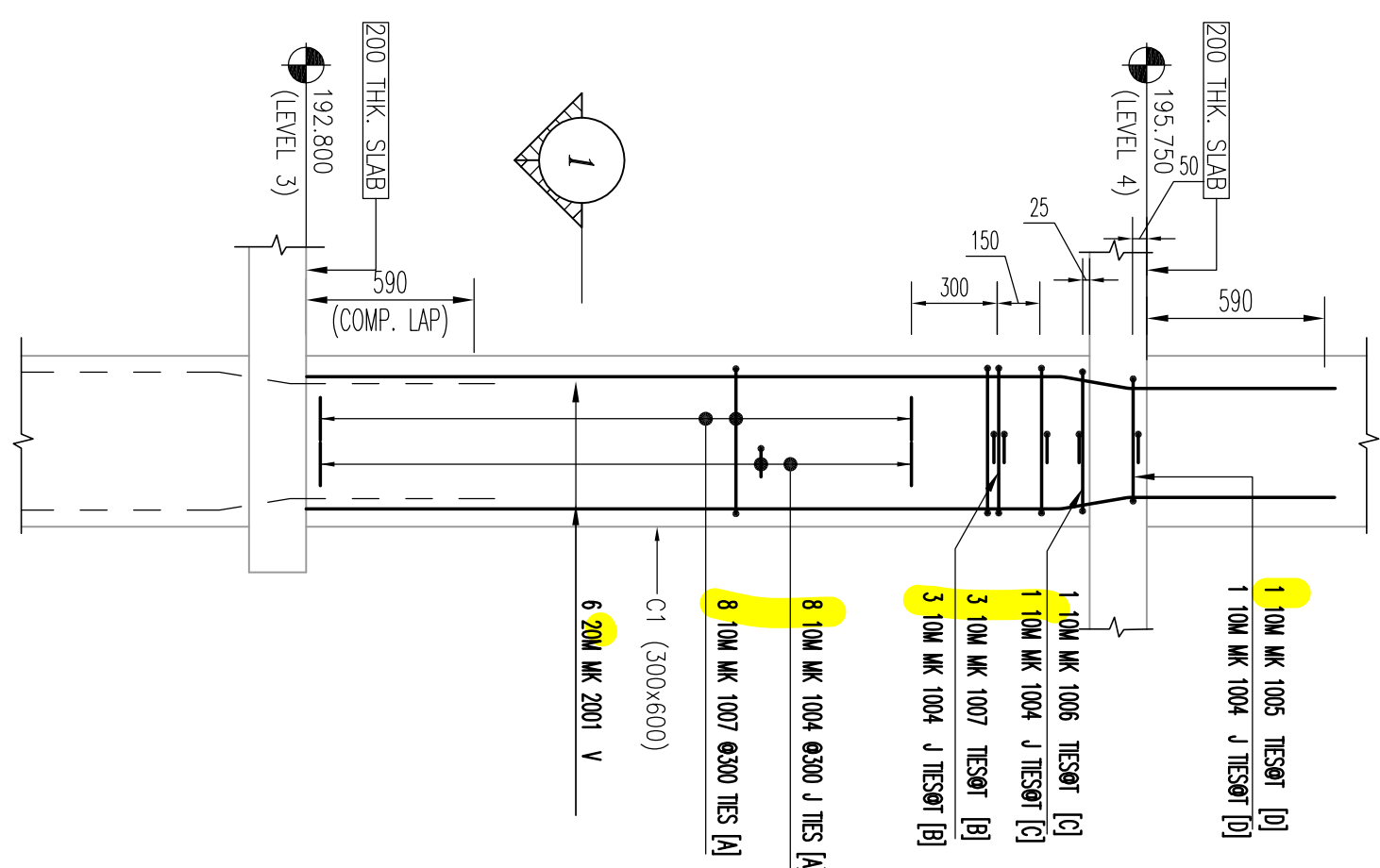
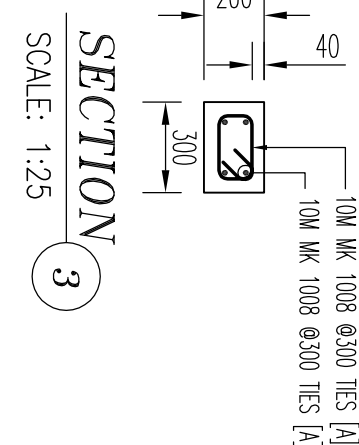
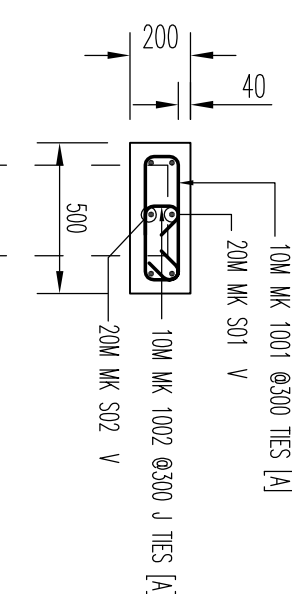
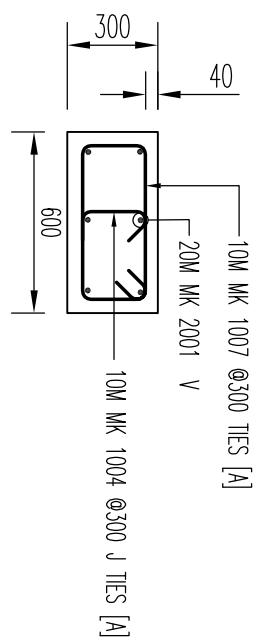
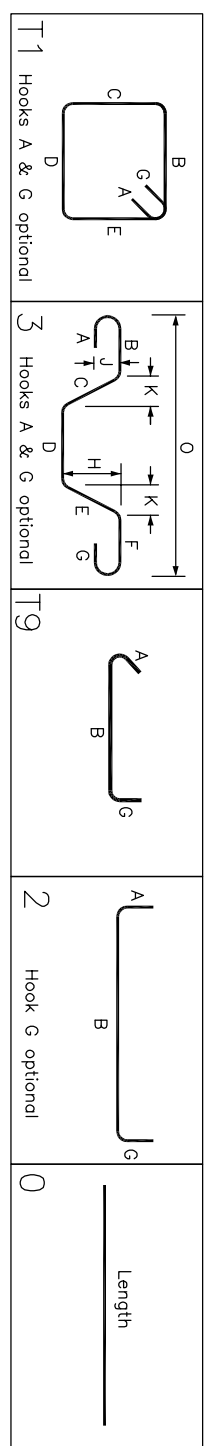
MANSTEEL REBAR
105 Industrial Road, Richmond Hill,
Ontario L4C 2Y4 Canada
Phone: 905-737-9797
Fax: 905-737-9704
Email: info@mansteelbar.com

**FORESTSIDE TOWNHOUSES
-BRAMPTON, ON**

SHEAR WALLS L3-L4 P#3

Project no.	2177
SCALE	AS SHOWN

DETAILED BY: JU	BAR LIST NO.	R13.3	
CHECKED BY:			

[illegible]

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

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	1530	1170	1390	1070	1290	990
30M	1830	1410	1670	1280	1550	1190
35M	2130	1640	1950	1500	1800	1390

DRAWING REVIEW

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

No comment	See comment
✓	
Amend & Resubmit	Rejected See Remarks

Submission No. _____

Project No. 19066

By MB

Date 25 Jun 2021

JABLONSKY, AST AND PARTNERS

Consulting Engineers
1129 S. Lasalle Street, Oak Hills, CA, 95626-2455

[illegible][illegible]

PROJECT FORESTIDE TOWNHOUSES -BRAMPTON, ON		PART OF STRUCTURE COLUMNS 1.3-1.4 - P#3		Project no. 2777	
CUSTOMER : ROYAL PINE HOMES		DETAILED BY: <u> </u> CHECKED BY: <u> </u>		SCALE: AS SHOWN DRAWING No. <u> </u>	
		S&L SET No. <u> </u>		R14.1 /	

NOTES

1. ALL STEEL TO BE GRADE 400W
2. STRENGTH OF CONCRETE
35MPa – INTERIOR COLUMNS & WALLS
3. CONCRETE COVER:
TIES – – – 40mm

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

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	1530	1170	1390	1070	1290	990
30M	1830	1410	1670	1280	1550	1190
35M	2130	1640	1950	1500	1800	1390

DRAWING REVIEW

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

No comment	See comment
✓	
Amend & Resubmit	Rejected See Remarks

Submission No. _____

Project No. 19066

By MB

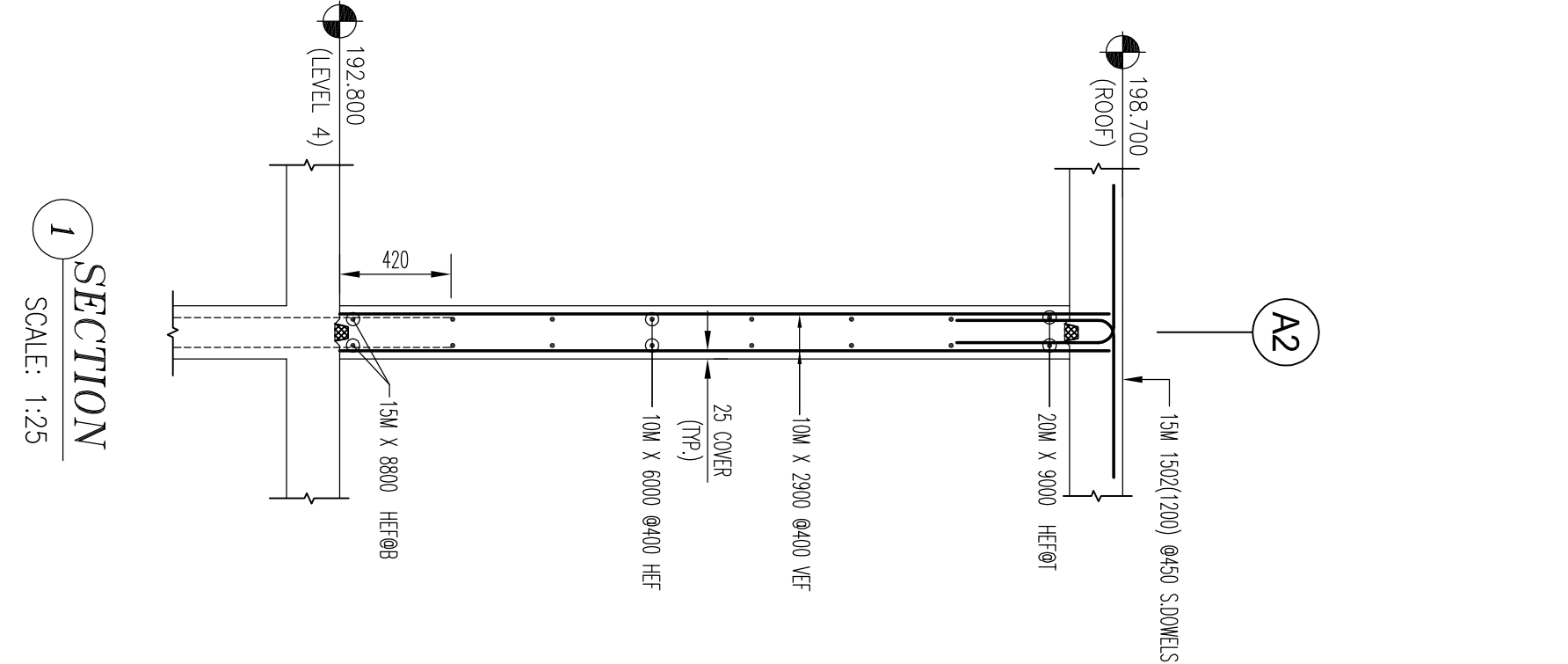
Date 25 Jun 2021

JABLONSKY, AST AND PARTNERS

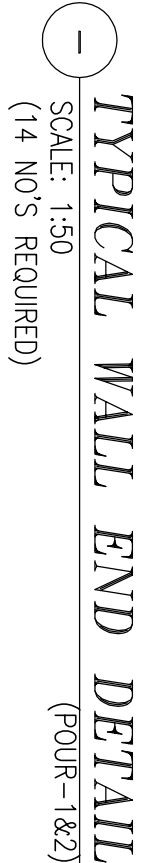
Consulting Engineers
1129 S. Lasalle Street, Oak Hills, CA, 95626-2455

[illegible][illegible]

PROJECT FORESTIDE TOWNHOUSES -BRAMPTON, ON		PART OF STRUCTURE COLUMNS 1.3-1.4 - P#3		Project no. 2777	
CUSTOMER : ROYAL PINE HOMES		DETAILED BY: <u> </u> CHECKED BY: <u> </u>		SCALE: AS SHOWN DRAWING No. <u> </u>	
		S&L SET No. <u> </u>		R14.1 /	



SCALE: 1:100
(POUR-1 & 2)



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. 19006

Project No. MP

By Date 25 Jun 2021

JABLONSKY, AST AND PARTNERS
Consulting Engineers
11291 Leelan Street Don Mills, Ont. M3C 2K6

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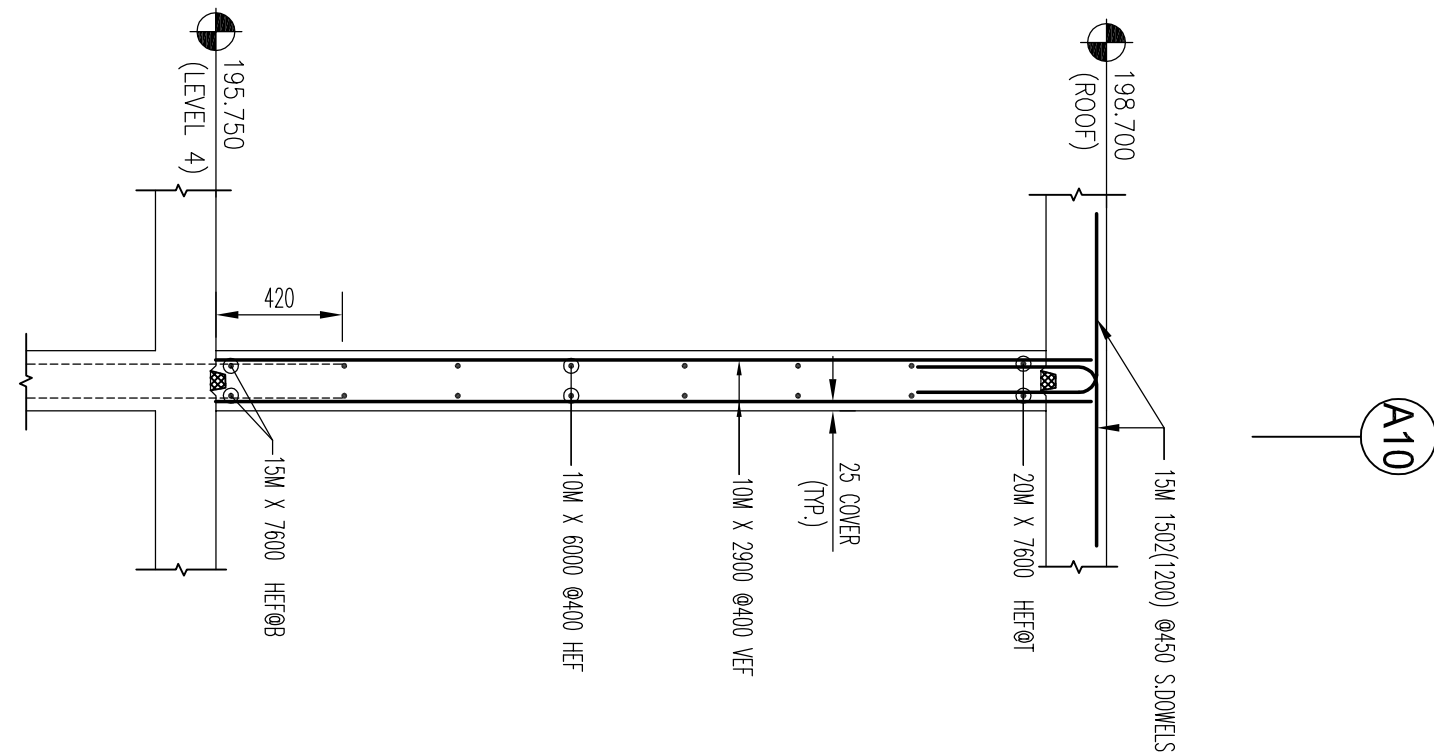
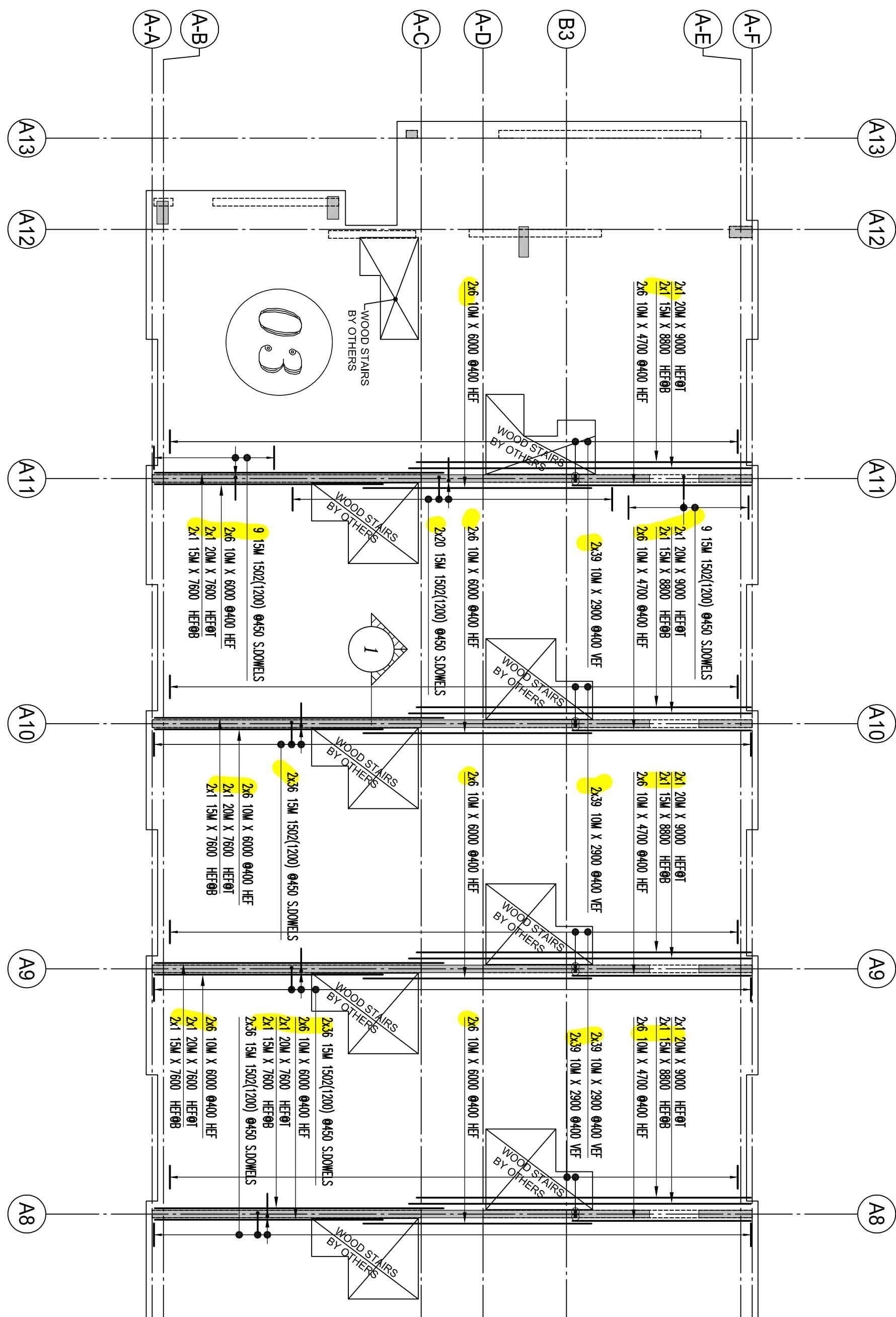
	JUN/22/21		u
MARKS			

MANSTEEL REBAR
1105 Industrial Road, Richmond Hill,
Ontario L4C 2Y4 Canada
Phone: 905-737-9797
Fax: 905-737-9704
Email: info@mansteelrebar.com

3, CONCRETE COVER:
VERTICALS -- 25mm

Bar Size	fe=25		fe=30		fe=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	1530	1170	1390	1070	1290	990
30M	1830	1410	1670	1290	1550	1190

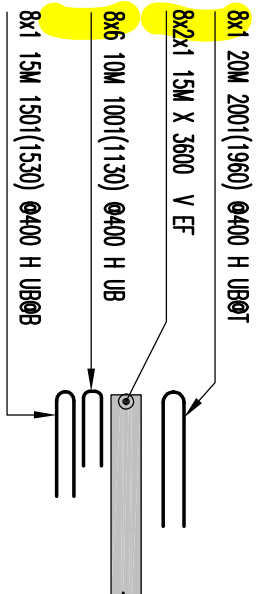
Project no.	2177
SCALE	AS SHOWN
DRAWING No.	R16.0 
IST No.	



BUILDING-A WALL PLAN
SCALE: 1:100
(POUR-3)

1
SECTION
SCALE: 1:25

— TYPICAL WALL END DETAIL (POUR-3)
SCALE: 1:50
(8 NO'S REQUIRED)



Physico-chemical: K ⁺ , Na ⁺ , Cl ⁻ , HCO ₃ ⁻ , SO ₄ ²⁻												
Dr	Wk	Day	Sec	Total depth	Temp	T ₁	T ₂	T ₃	T ₄	T ₅	T ₆	T ₇
				3171.000	2890.0							
				461.000	6000.0							
				461.000	6700.0							
				461.000	7400.0							
				161.500	3500.0							
				161.500	3600.0							
				81.500	8800.0							
				152.1	1555.17							
				152.2	2130.0							
				152.3	1525.17							
				152.4	1525.17							
				152.5	1525.17							
				152.6	1525.17							
				152.7	1525.17							
				152.8	1525.17							
				152.9	1525.17							
				152.0	1525.17							
				152.1	1525.17							
				152.2	1525.17							
				152.3	1525.17							
				152.4	1525.17							
				152.5	1525.17							
				152.6	1525.17							
				152.7	1525.17							
				152.8	1525.17							
				152.9	1525.17							
				152.0	1525.17							
				152.1	1525.17							
				152.2	1525.17							
				152.3	1525.17							
				152.4	1525.17							
				152.5	1525.17							
				152.6	1525.17							
				152.7	1525.17							
				152.8	1525.17							
				152.9	1525.17							
				152.0	1525.17							
				152.1	1525.17							
				152.2	1525.17							
				152.3	1525.17							
				152.4	1525.17							
				152.5	1525.17							
				152.6	1525.17							
				152.7	1525.17							
				152.8	1525.17							

0	
17	

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	See Remarks

Submission No. **19006**

Project No. **MB**

By **25 Jun 2021**

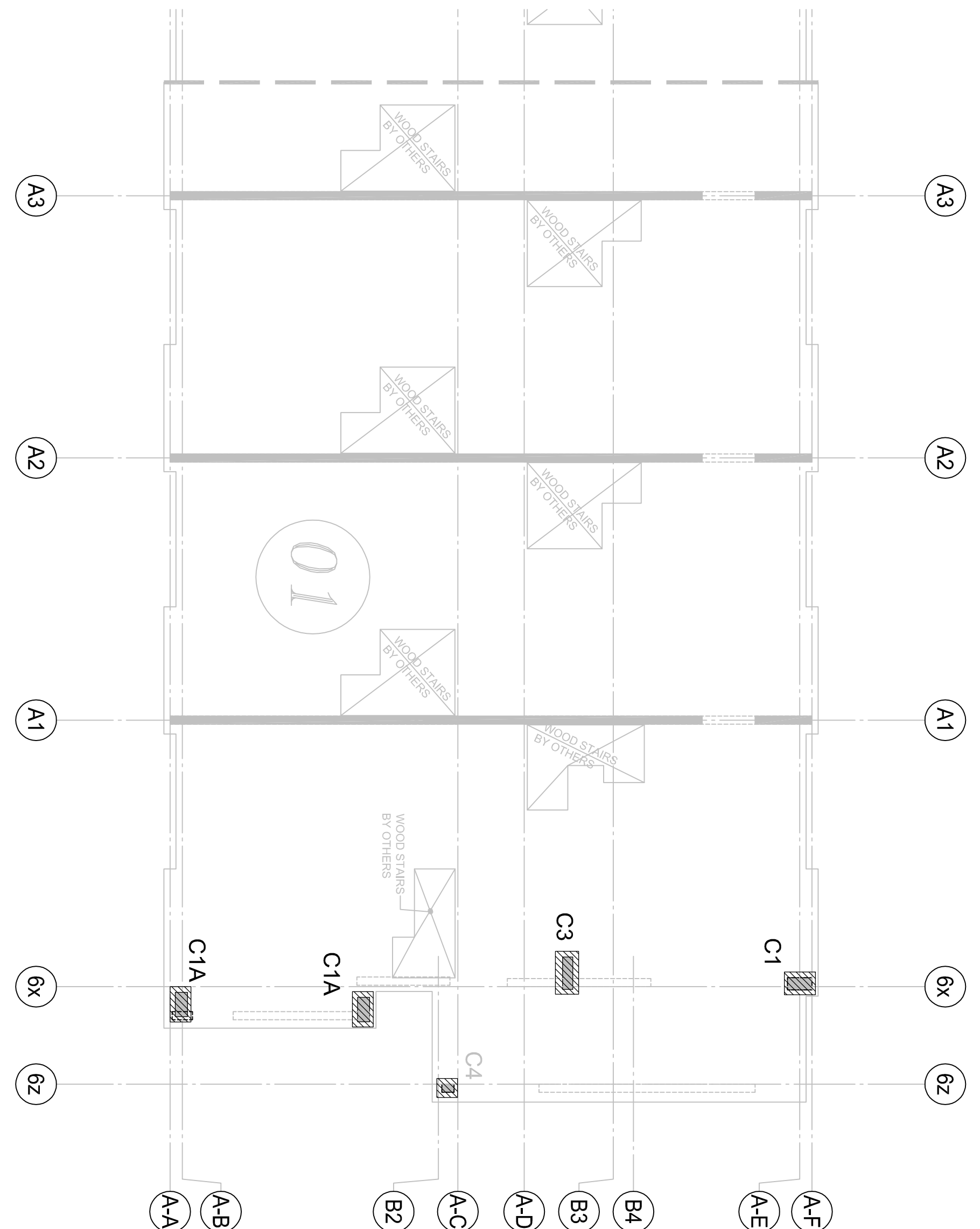
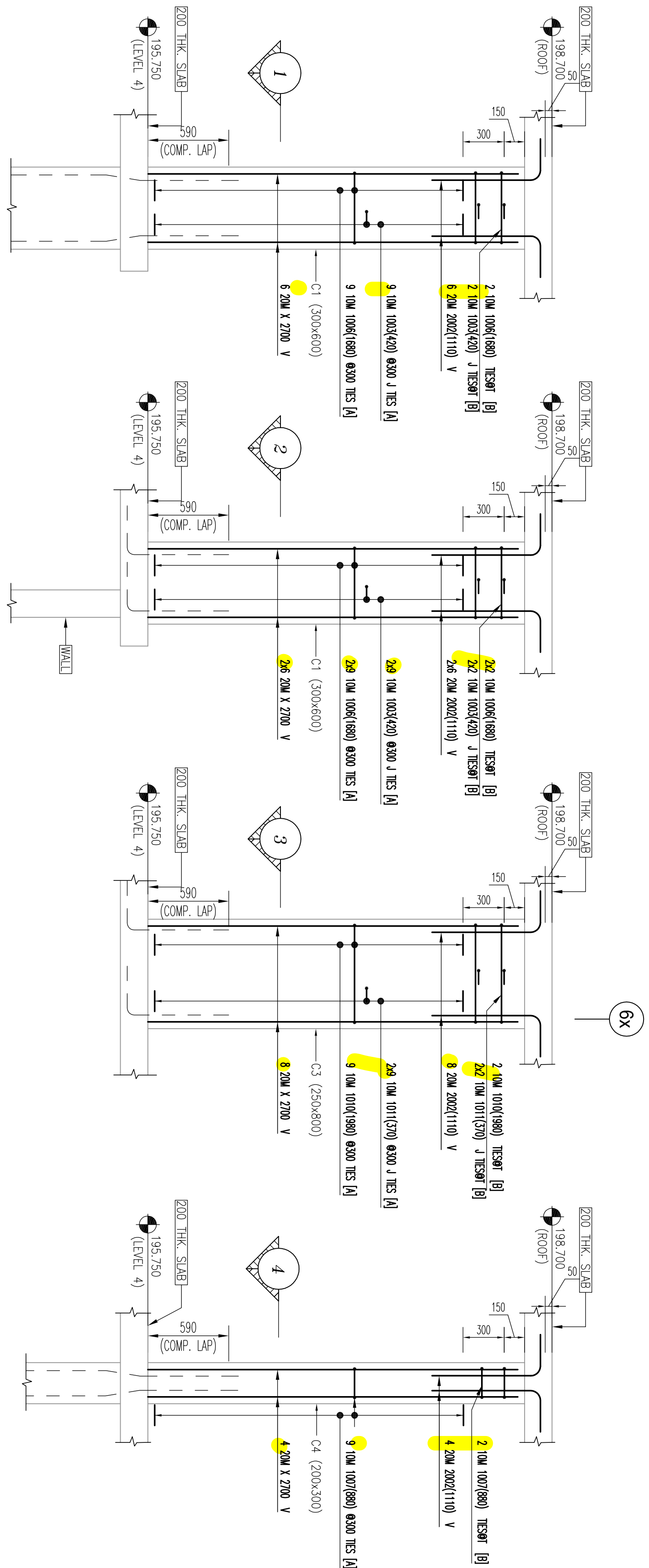
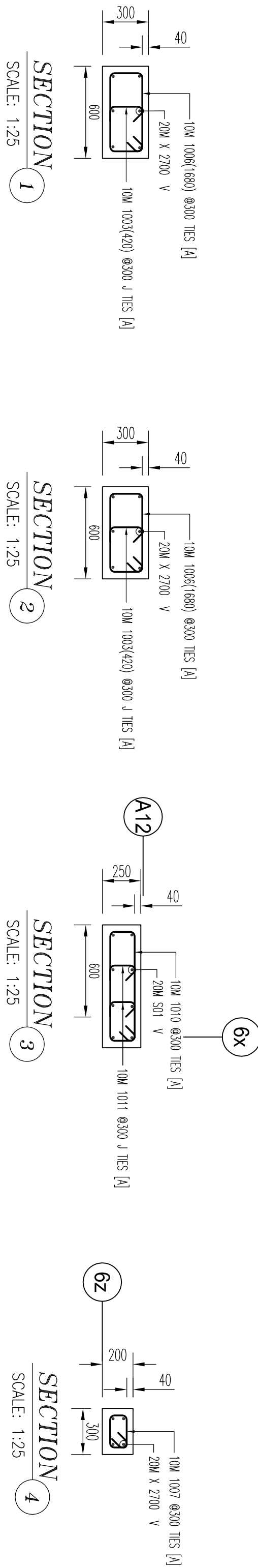
Date

JABLONSKY, AST AND PARTNERS

Consulting Engineers

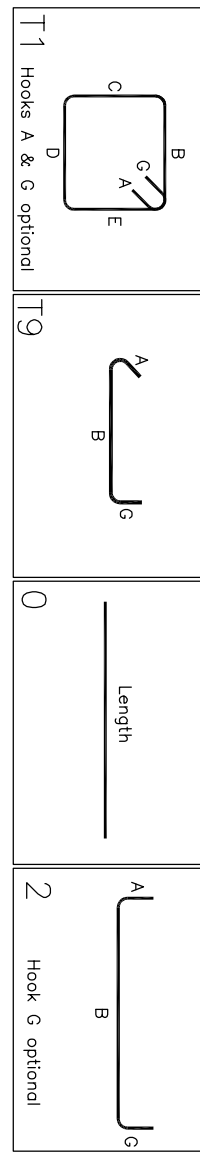
11291 Leslie Street Don Mills, Ont. M3C 2K5

[illegible]



L4 PLAN
SCALE: 1:100

Rebar, Wall, Col, L4, Roof, RTR											
Bar Mark	Qty	Size	Unit	Length	Y	Y'	Y''	Y'''	Y''''	Y'''''	Y''''''
10M	11	10M	1960	11	100	750	170	270	500	220	
10M	33	10M	1960	11	100	500	220	500	220		
10M	22	10M	210	19	100	170				100	
10M	53	10M	420	19	100	220					100
10M	48	10M	420	19	100	220					100
10M	32	10M	2700	0	100	270					100
30M	240	1110	2	310	800						



DRAWING REVIEW			
☒	No comment	See comment	
☐	Approved & Resubmit	Rejected	See Remarks
Submission No. 19066			
Project No. MB			
Date 23 Jun 2021			
JABLONSKY, ASIT AND PARTNERS			
Consulting Engineers 1120 Leslie Street Don Mills, Ont. M3C 3K5			

MANSTEEL, REBAR

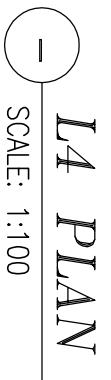
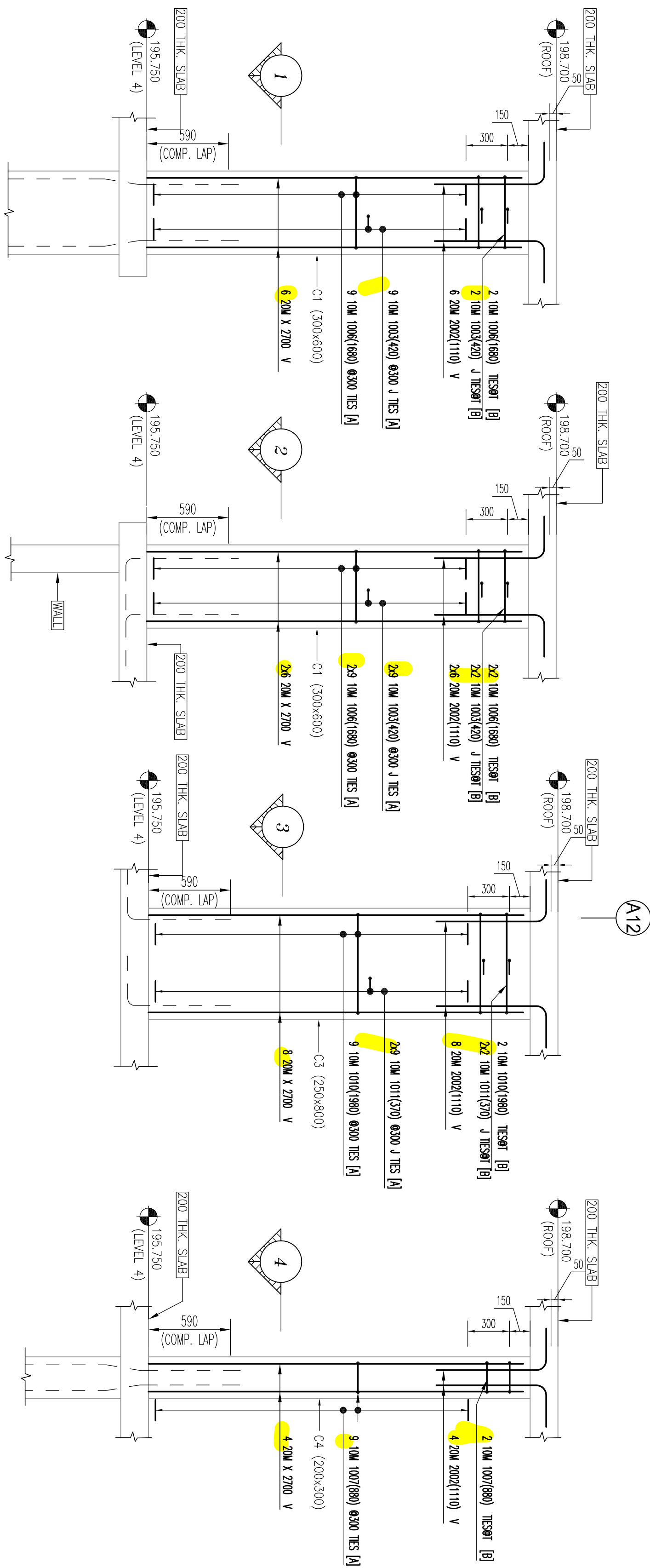
FORESTSIDE TOWNHOUSES
-BRAMPTON, ON

PART OF STRUCTURE		Project no. 217	
COLUMNS L4-ROOF -P#1		SCALE: AS SHOWN	
CUSTOMER: ROYAL PINE HOMES		DRAWING No.	
REVIEWED BY: JU	Bar List No.	R17.0	
CHECKED BY:			

STANDARD REBAR LABEL FORMAT		REBAR LABEL FORMAT		GRADE OF STEEL	
7 B15M X 9600	Length	7 B15M B1501	Length	7 B15M X 9600	Length
7 B15M X 9600	Length	7 B15M B1501	Length	7 B15M X 9600	Length
7 B15M X 9600	Length	7 B15M B1501	Length	7 B15M X 9600	Length

FORESTSIDE TOWNHOUSES
-BRAMPTON, ON

PART OF STRUCTURE		Project no. 217	
COLUMNS L4-ROOF -P#1		SCALE: AS SHOWN	
CUSTOMER: ROYAL PINE HOMES		DRAWING No.	
REVIEWED BY: JU	Bar List No.	R17.0	
CHECKED BY:			



T1 Hooks A & C optional	T9	0	2 Hook C optional
------------------------------------	-----------	----------	--------------------------

3, CONCRETE COVER:
TIES -- 40mm

BAR SIZE	TENSION LAP SPACE (L.S.) & DEVELOPMENT LENGTH (L.D.) (FOR WALL OR COL. & L.D. IN CAP OR FTG.)					
	f _c =25		f _c =30		f _c =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	960	750	890	690	830	640
25M	1530	1170	1390	1070	1280	990
30M	1830	1410	1670	1290	1550	1190
35M	2130	1640	1950	1500	1800	1390

Submission No. 19066
Project No.
By MB
Date 25 Jun 2021

ISSUE	REMARKS	DATE	BY
MANSTEEL, REBAR	MANSTEEL REBAR 105 Industrial Blvd. Richmond Hill, Ontario L4C 2Y4 Canada Phone: 905-737-9797 Fax: 905-737-9704 Email: info@mansteel-rebar.com		

PROJECT:		PROJECT NO. 2177	
CUSTOMER:		SCALE: AS SHOWN	
ROYAL PINE HOMES		DRAWING NO.	
DETACHED RM. 42		S44 LIST NO.	
CHURCH BAY:		R17.1 0	