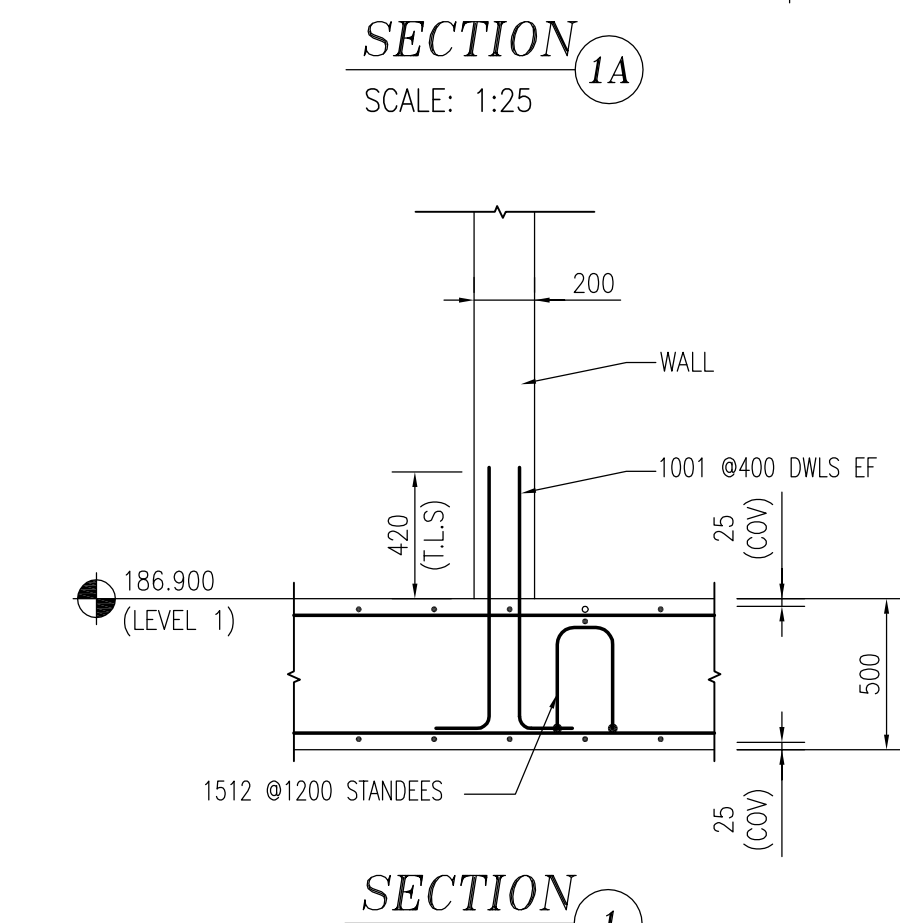
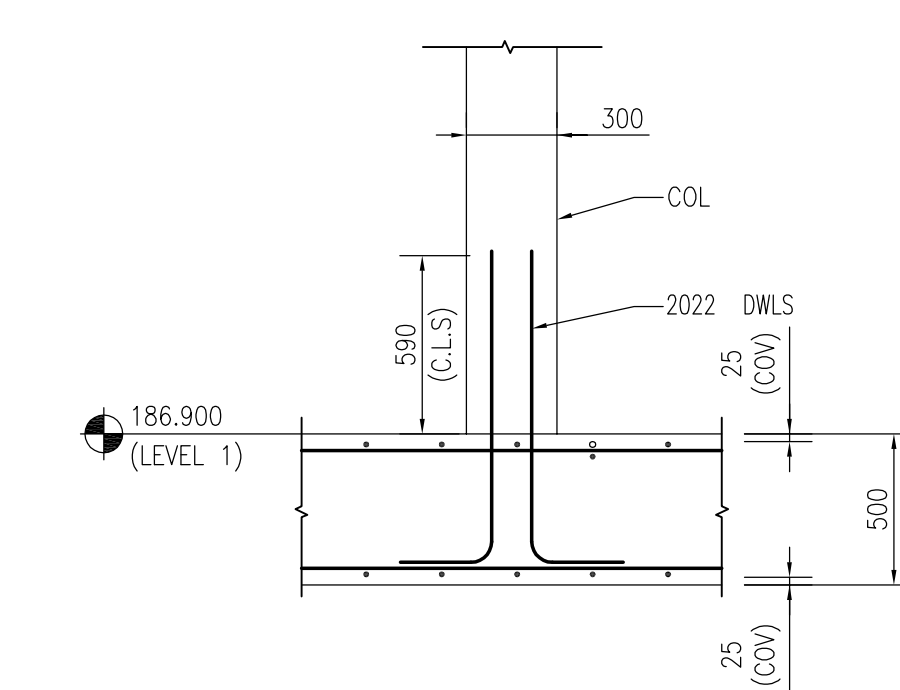
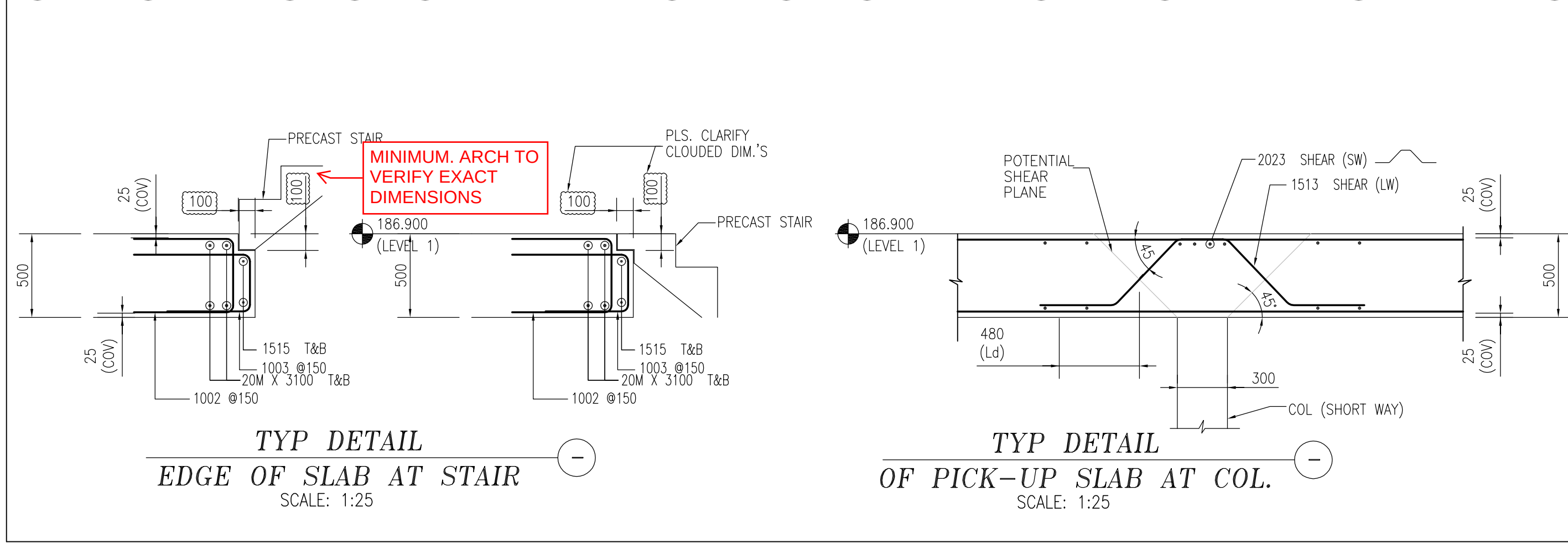
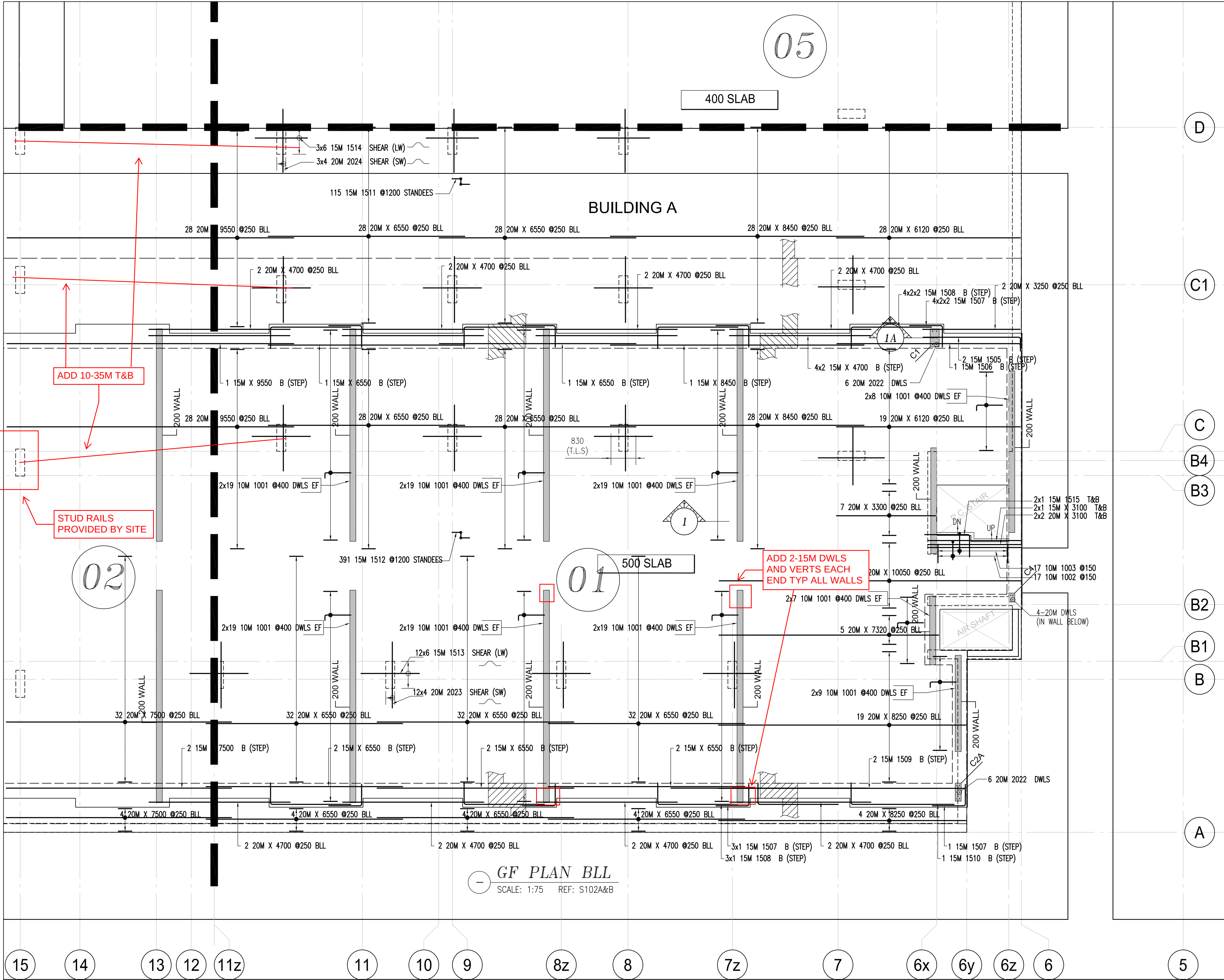




NOTES

- ALL STEEL TO BE GRADE 400W
- STRENGTH OF CONCRETE
35MPa - SLAB
35MPa - INTERIOR COLUMNS & WALLS
- CONCRETE COVER:
SLAB T --- 25mm
SLAB B --- 25mm
- COMPRESSION LAP SPLICE
- TENSION LAP SPLICE (L.S.) & DEVELOPMENT LENGTH (L_d)

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

BAR SIZE	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	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

Release Code: R6.0A GF BLL P#1 BENDING DETAILS.

Bar Mark	Qty	Size	Total length	Type	A'	B'	C'	D'	E'	F'	G'	H'	I'	J'	K'	L'	M'
47 20M	6170																
56 20M	8450																
220 20M	6550																
56 20M	9550																
23 20M	8250																
36 20M	7500																
7 20M	3300																
5 20M	7320																
10 20M	10050																
16 20M	4700																
2 20M	3250																
8 15M	4700																
1 15M	8450																
8 15M	6550																
1 15M	9550																
2 15M	7500																
4 20M	3100																
2 15M	3100																
1001	276 10M	1050 2			180	870											
1512	391 15M	1500 26			300	350	200	350	300								
1517	115 15M	1400 26			300	250	200	350	300								
1002	17 10M	1650 17			600	450	600										
1003	17 10M	1550 17			700	350	500										
1505	2 15M	3510 2			260	3250											
1508	19 15M	3400 17				2680	720										
1506	1 15M	6380 2			260	6120											
1507	20 15M	1820 17				1100	720										
1509	2 15M	8500 2			260	8240											
1513	72 15M	2300 3			450	550	300	550	450	410			370	1940			
2023	48 20M	2540 3			600	520	300	520	600	390			350	2200			
1514	18 15M	2020 3			450	410	300	410	450	310			270	1740			
2024	12 20M	2360 3			650	380	300	380	650	290			250	2100			
2022	12 20M	1950 2			310	1040											
1515	2 15M	2250 17			1500	750											
1510	1 15M	4160 17			3440	720											

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.

Amend & Resubmit	See comment	Rejected	See Remarks
	☒		

Submission No. 19066
Project No. AL
By 25 May 2021
Date
JABLONSKY, AST AND PARTNERS
Consulting Engineers
3 Concorde Gate, North York, ON M3C 4H5

* 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 DRWGS

LEGEND

ALT = ALTERNATE	FF = FAR FACE	OF = OUTSIDE FACE
BOT = BOTTOM	FS = FORM SAVER	SW = SAW CUT END
BIS = BEND INTO SLAB	GID = GROUT IN DOWELS	STG = STAGGER
CB = CORNER BAR	H = HORIZONTAL	STR = STRIPS
CJ = CONTROL JOINT	IF = INSIDE FACE	T = TOP
CUT = CUT TO SUIT SITE COND.	LL = LOWER LAYER	THR/2 = THREAD LENG
DWL = DOWELS	MID = MIDDLE	THR/2 = THREAD ZENOS
EE = EACH END	MIN = MINIMUM	UL = UPPER LAYER
EF = EACH FACE	NF = NEAR FACE	W/P = UNLESS NOTED
EJ = EXPANSION JOINT	OC = ON CENTER	V = VERTICAL
ES = EACH SIDE	TT = TIE	W = WELDABLE
EW = EACH WAY		

STRAIGHT BARS LABEL FORMAT

7 B15M X 3600

GRADE QUANTITY LENGTH

BENT BARS LABEL FORMAT

7 B15M B1501

GRADE QUANTITY LENGTH

GRADES OF STEEL

B = GRADE 400W
C = GRADE 500W
S = STAINLESS
W = WELDABLE

FOR APPROVAL

ISSUE

REMARKS

DATE

BY

MANSTEEL REBAR

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

FORESTSIDE TOWNHOUSES - BRAMPTON, ON

G.F. SLAB BLL P#1

CUSTOMER: ROYAL PINE HOMES

Project no. 2177

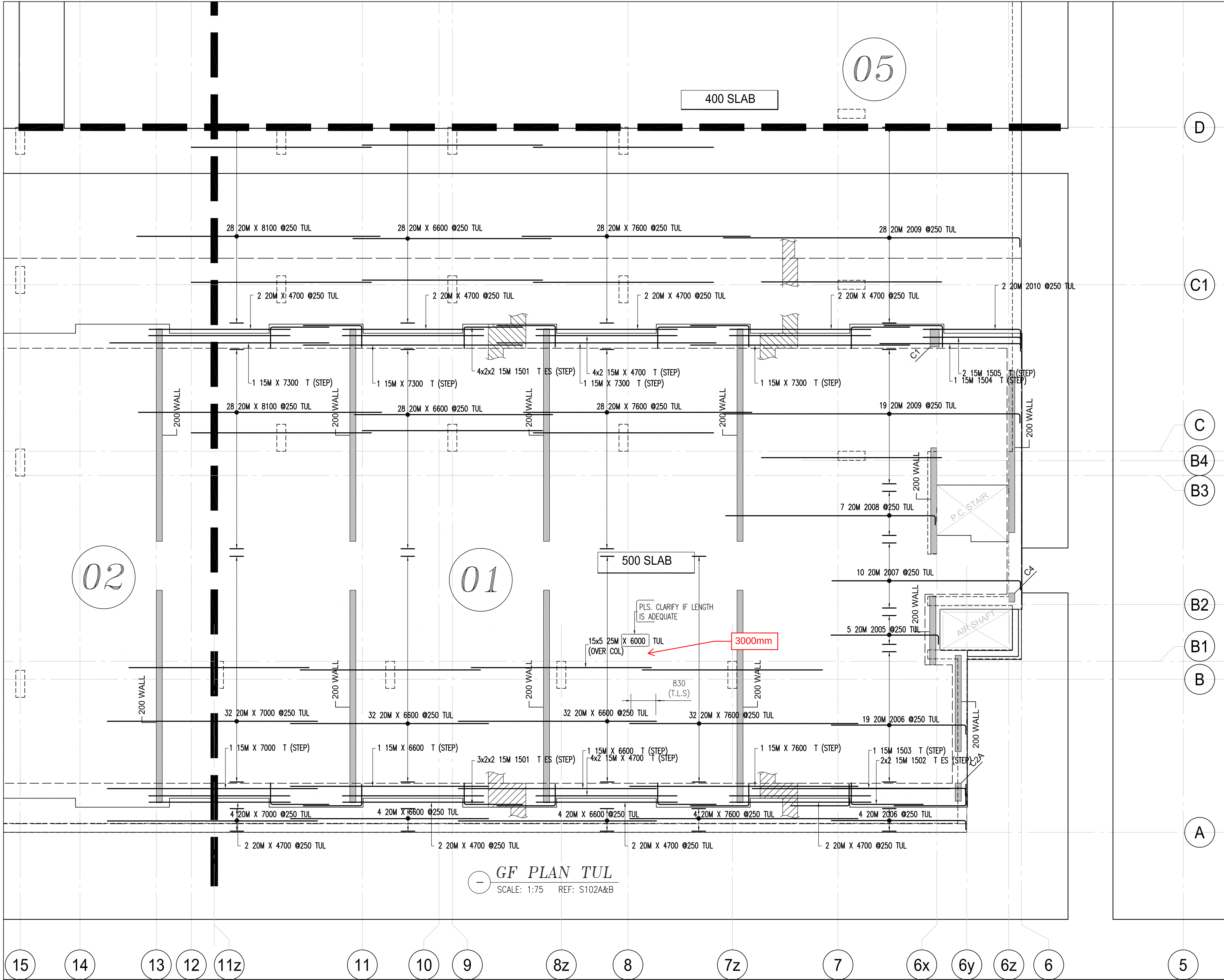
SCALE: AS SHOWN

DRAWING No. R6.0A

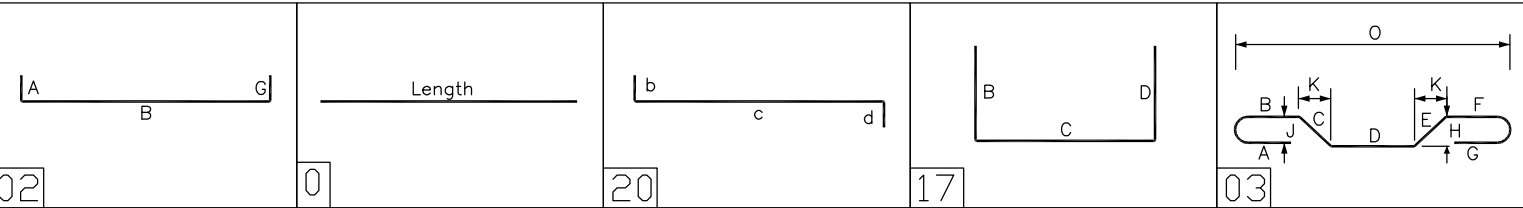
Detailed by: JU

Bar List No.

Checked by:



Release Code: R6.0C GF TUL P#1				BENDING DETAILS												
Bar Mark	Qty	Size	Total length	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'	'O'	'R'
4 15M	7300					7300										
92 20M	7600					7600										
128 20M	6600					6600										
56 20M	8000					8000										
36 20M	7000					7000										
16 20M	4700					4700										
75 25M	6000					6000										
1 15M	7600					7600										
2 15M	6600					6600										
1 15M	7000					7000										
16 15M	4700					4700										
1504	1 15M	4950	2		260	4690										
2009	47 20M	10200	2		310	9890										
2006	23 20M	4800	2		310	4490										
2005	5 20M	3900	2		310	3590										
2007	10 20M	6600	2		310	6290										
2008	7 20M	7300	2		310	6990										
1501	28 15M	2610	17		1950	720										
1502	4 15M	3100	17		2400	720										
1505	2 15M	3510	2		260	3250										
1503	1 15M	4750	2		260	4490										
2010	2 20M	3560	2		310	3250										



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 **AF**
Date **25 May 2021**

JABLONSKY, AST AND PARTNERS
Consulting Engineers
3 Concorde Gate, North York, ON M3C 4H9

- * 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 DRWGS

LEGEND		
ALT = ALTERNATE	FF = FAR FACE	OF = OUTSIDE FACE
BOT = BOTTOM	FS = FORM SAYER	SC = SAW CUT END
BIS = BEND INTO SLAB	GID = GROUT IN DOWELS	STG = STAGGER
CB = CORNER BAR	H = HORIZONTAL	STR = STRIPS
CJ = CONTROL JOINT	IF = INSIDE FACE	T = TOP
CJT = CUT TO SUIT SITE COND.	LL = LOWER LAYER	THR/1 = THREAD LENG
DWL = DOWELS	LL = LOWER LAYER	THR/2 = THREAD LENG
EE = EACH END	MID = MIDDLE	UL = UPPER LAYER
EF = EACH FACE	MIN = MINIMUM	UL = UPPER LAYER
EJ = EXPANSION JOINT	NF = NEAR FACE	UNLESS NOTED
ES = EACH SIDE	OC = ON CENTER	V = VERTICAL
EW = EACH WAY	TT = TEMP. TIES	

STRAIGHT BARS LABEL FORMAT	BENT BARS LABEL FORMAT	GRADES OF STEEL
7 B15M X 3600 GRADE QUANTITY	7 B15M B1501 SIZE L-BAR MARK QUANTITY	B = GRADE 400W C = EPOXY COATED F = FR60 S = STAINLESS W = WELDABLE

FOR APPROVAL	MAY/18/21	JU
ISSUE	REMARKS	DATE
ISSUE	REMARKS	DATE

MANSTEEL REBAR	MANSTEEL REBAR 105 Industrial Road, Richmond Hill, Ontario L4C 2Y4 Canada Phone: 905-737-9797 Fax: 905-737-9704 Email: Info@mansteelrebar.com
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PROJECT
FORESTSIDE TOWNHOUSES
-BRAMPTON, ON

PART OF STRUCTURE
G.F. SLAB TUL P#1

CUSTOMER :
ROYAL PINE HOMES

DETAILED BY: **JU**
CHECKED BY:

Project no. **2177**
SCALE: **AS SHOWN**

DRAWING No.
R6.0C

NOTES

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

3. CONCRETE COVER:
SLAB T
SLAB B

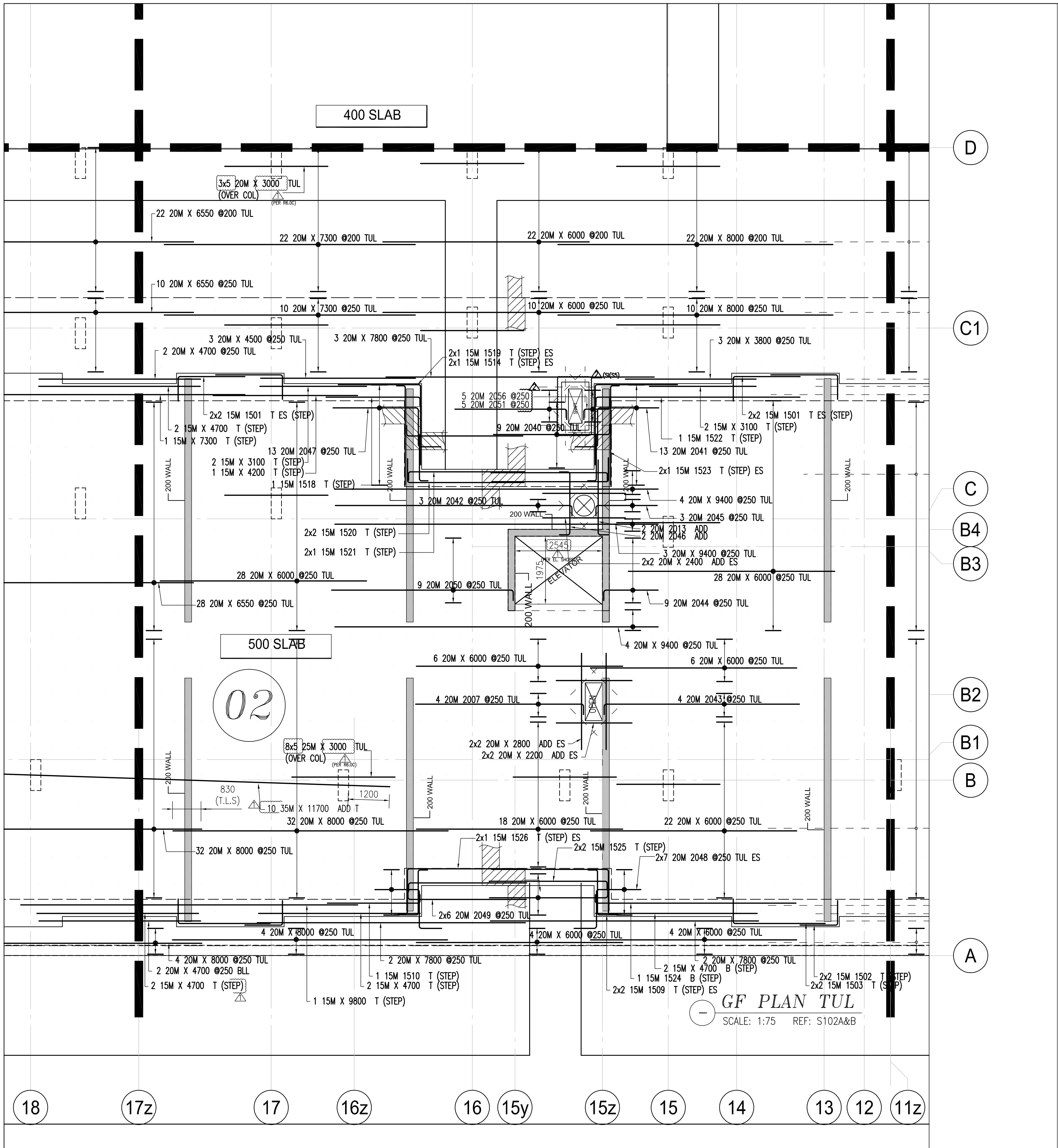
-- 25mm
-- 25mm

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 (Ld)

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



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 SPICE

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

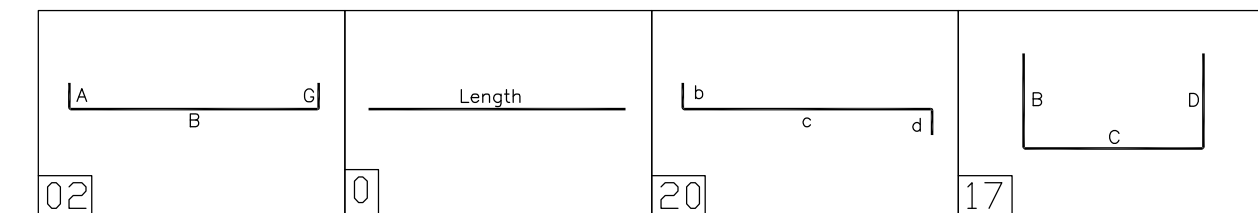
5. TENSION LAP SPICE (L.S) & DEVELOPMENT LENGTH (Ld)

BAR SIZE	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	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

Release Code: R6.1C GF TUL P#2										BENDING DETAILS.									
Bar Mark	Qty	Size	Total length	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'	'O'	'R'			
8	15M	4700				4700													
37	20M	7300				7300													
60	20M	6550				6550													
4	20M	4700				4700													
1	15M	7300				7300													
4	15M	3100				3100													
1	15M	4200				4200													
11	20M	9400				9400													
4	20M	2200				2200													
4	20M	2800				2800													
4	20M	2400				2400													
1	15M	9800				9800													
40	25M	3000				3000													
15	20M	3000				3000													
104	20M	8000				8000													
148	20M	6000				6000													
3	20M	3800				3800													
3	20M	4500				4500													
7	20M	7800				7800													
2040	9	20M	3700	2		370													
1522	1	15M	6200	2		260													
2047	13	20M	4300	20		660		150		2490									
1524	1	15M	6100	2		260													
1510	1	15M	2960	2		260													
1523	2	15M	3760	2		260													
1502	4	15M	1820	17		700		720											
1503	4	15M	3400	17		2680		720											
2045	3	20M	2100	2		310		1790											
2042	3	20M	7200	2		310		6890											
1509	4	15M	2300	20		700		1320		280									
1526	2	15M	5000	20		3400		1320		280									
1525	4	15M	3700	2		260		3440											
1501	8	15M	2670	17		1950		720											
2048	14	20M	3100	20		660		150		1300									
2049	12	20M	3760	2		310		3450											
2041	13	20M	3600	20		660		150		1790									
1518	1	15M	3000	2		260													
2007	4	20M	5200	2		310		4890											
1514	2	15M	1600	2		260		1340											
1521	2	15M	3650	2		260		3390											
2050	9	20M	5600	2		310		5290											
1519	2	15M	4740	17		2400		2340											
1520	4	15M	4090	17		700		3390											
2044	9	20M	1900	2		310		1590											
2013	2	20M	2500	2		310		2190											
2046	2	20M	2470	2		310		1850											
2043	4	20M	6000	2		310		5690											

Release Code: R6.1C GF TUL P#2 PATCHBENDING DETAILS.																			
Bar Mark	Qty	Size	Total length	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'	'O'	'R'			
	10	35M	11700			11700													

Release Code: R6.1C GF TUL P#2 PATCHBENDING DETAILS.																			
Bar Mark	Qty	Size	Total length	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'	'O'	'R'			
2056	5	20M	1400	20		310		780		310									
2051	5	20M	3570	2		310		3260											



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 **AF**
Date **15 Jun 2021**

JABLONSKY, AST AND PARTNERS
Consulting Engineers
8 Concorde Gate, North York, ON M3C 4H8

* 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 DRWGS

LEGEND

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

STRAIGHT BARS LABEL FORMAT

BENT BARS LABEL FORMAT

GRADES OF STEEL

7 B15M X 3600

7 B15M B1501

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

G.F. SLAB TUL P#2

CUSTOMER :

ROYAL PINE HOMES

Project no. 2177

SCALE AS SHOWN

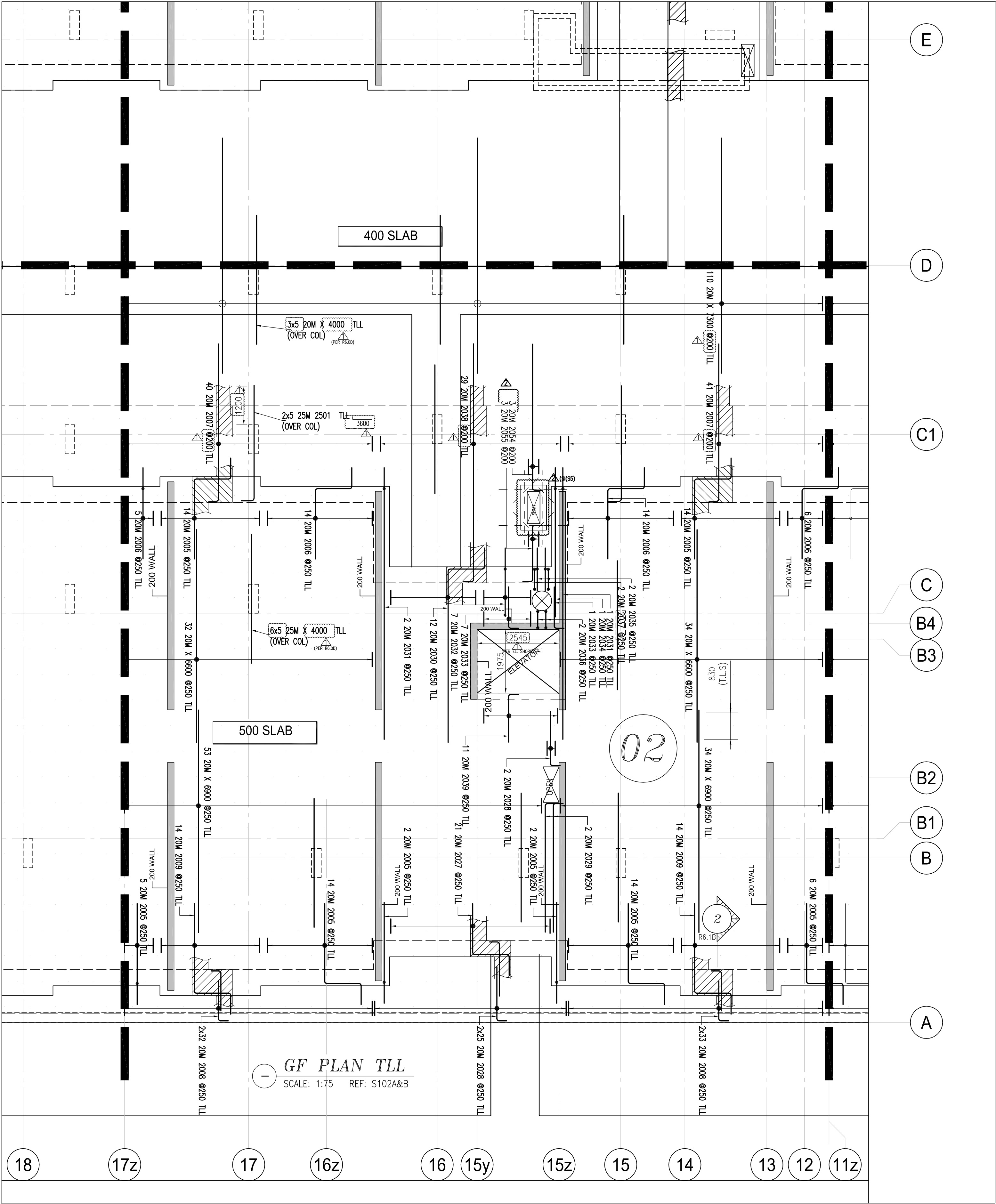
DRAWING No.

9.1C

DETAILS BY: JU

BAR LIST No.

CHECKED BY:



E

D

C1

C

B4

B3

B2

B1

B

A

NOTES

1. ALL STEEL TO BE GRADE 400W
2. STRENGTH OF CONCRETE
35MPa - SLAB
35MPa - INTERIOR COLUMNS & WALLS
3. CONCRETE COVER:
SLAB T
SLAB B

-- 25mm
-- 25mm

4. COMPRESSION LAP SPLICE

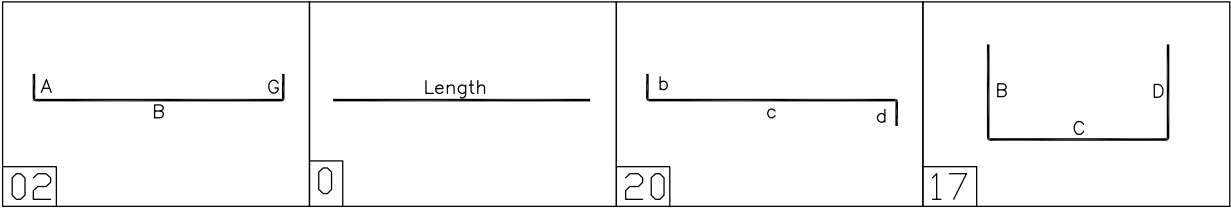
BAR SIZE	STANDARD LAP (mm)
10M	300
15M	440
20M	590
25M	730
30M	880
35M	1030

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

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

Release Code: R6.1D GF TLL P#2										BENDING DETAILS.									
Bar Mark	Qty	Size	Total length	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'	'O'	'R'			
	30	25M	4000			4000													
	66	20M	6600			6600													
	15	20M	4000			4000													
	12	20M	7300			7300													
	87	20M	6900			6900													
2036	2	20M	1150	2	310	530						310							
2037	2	20M	1260	2	310	640						310							
2006	39	20M	4000	20		2190	1150	660											
2008	130	20M	1560	2	310	1250													
2501	10	25M	4000	2	400	3600													
2005	71	20M	4300	20		2490	1150	660											
2027	21	20M	3400	20		1590	1150	660											
2009	28	20M	4600	20		2790	1150	660											
2038	29	20M	7700	2	310	7390													
2029	2	20M	4310	2	310	4000													
2030	12	20M	7200	20		5390	1150	660											
2031	3	20M	9600	20		7790	1150	660											
2032	7	20M	3300	20		1490	1150	660											
2039	11	20M	1800	2	310	1490													
2028	52	20M	2000	2	310	1690													
2007	81	20M	5200	2	310	4890													
2034	1	20M	5800	20		3990	1150	660											
2033	8	20M	1600	2	310	1290													
2035	2	20M	2500	20		690	1150	660											

Release Code: R6.1D GF TLL P#2 PATCH BENDING DETAILS.										BENDING DETAILS.									
Bar Mark	Qty	Size	Total length	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'	'O'	'R'			
2054	3	20M	4850	2	310	4540													
2055	3	20M	2390	20		310	1770	310											



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. 190066
Project No. AF
By 15 Jun 2021
Date

JABLONSKY, AST AND PARTNERS
Consulting Engineers
3 Concorde Court, North York, ON M3C 4H8

- * 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 DRWGS

LEGEND										STRAIGHT BARS LABEL FORMAT									
ALT	= ALTERNATE	FF	= FAR FACE	GF	= OUTSIDE FACE	STG	= STAGGER	STR	= STIRRUPS	B	= GRADE 400W	C	= COATED	D	= D60	E	= E60	F	= F60
BOT	= BOTTOM	FS	= FORM SAWER	GID	= GROUT 'N DOWELS	H	= HORIZONTAL	T	= TOP	Q	= QUANTITY	L	= LENGTH	Q	= QUANTITY	L	= LENGTH	Q	= QUANTITY
BIS	= BEND INTO SLAB	GID	= GROUT 'N DOWELS	H	= HORIZONTAL	T	= TOP	THR/1	= THREAD LEND	Q	= QUANTITY	L	= LENGTH	Q	= QUANTITY	L	= LENGTH	Q	= QUANTITY
CB	= CORNER BAR	IF	= INSIDE FACE	IF	= INSIDE FACE	THR/2	= THREAD ZENDS	UL	= UPPER LAYER	Q	= QUANTITY	L	= LENGTH	Q	= QUANTITY	L	= LENGTH	Q	= QUANTITY
CJS	= CUT TO SUIT SITE COND.	LL	= LOWER LAYER	IF	= INSIDE FACE	THR/2	= THREAD ZENDS	UL	= UPPER LAYER	Q	= QUANTITY	L	= LENGTH	Q	= QUANTITY	L	= LENGTH	Q	= QUANTITY
DWL	= DOWELS	MD	= MIDDLE	IF	= INSIDE FACE	THR/2	= THREAD ZENDS	UL	= UPPER LAYER	Q	= QUANTITY	L	= LENGTH	Q	= QUANTITY	L	= LENGTH	Q	= QUANTITY
EE	= EACH END	MD	= MIDDLE	IF	= INSIDE FACE	THR/2	= THREAD ZENDS	UL	= UPPER LAYER	Q	= QUANTITY	L	= LENGTH	Q	= QUANTITY	L	= LENGTH	Q	= QUANTITY
EF	= EACH FACE	MD	= MIDDLE	IF	= INSIDE FACE	THR/2	= THREAD ZENDS	UL	= UPPER LAYER	Q	= QUANTITY	L	= LENGTH	Q	= QUANTITY	L	= LENGTH	Q	= QUANTITY
EJ	= EXPANSION JOINT	MD	= MIDDLE	IF	= INSIDE FACE	THR/2	= THREAD ZENDS	UL	= UPPER LAYER	Q	= QUANTITY	L	= LENGTH	Q	= QUANTITY	L	= LENGTH	Q	= QUANTITY
ES	= EACH SIDE	MD	= MIDDLE	IF	= INSIDE FACE	THR/2	= THREAD ZENDS	UL	= UPPER LAYER	Q	= QUANTITY	L	= LENGTH	Q	= QUANTITY	L	= LENGTH	Q	= QUANTITY
EW	= EACH WAY	MD	= MIDDLE	IF	= INSIDE FACE	THR/2	= THREAD ZENDS	UL	= UPPER LAYER	Q	= QUANTITY	L	= LENGTH	Q	= QUANTITY	L	= LENGTH	Q	= QUANTITY

2	REV. PER SI(S5)	JUN/09/21	JU
1	REV. PER COMM. FOR FAB.	MAY/31/21	JU
0	FOR APPROVAL	MAY/19/21	JU

ISSUE	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@mansteelrebar.com

PROJECT
FORESTSIDE TOWNHOUSES
-BRAMPTON, ON

PART OF STRUCTURE
G.F. SLAB TLL P#2

CUSTOMER :
ROYAL PINE HOMES

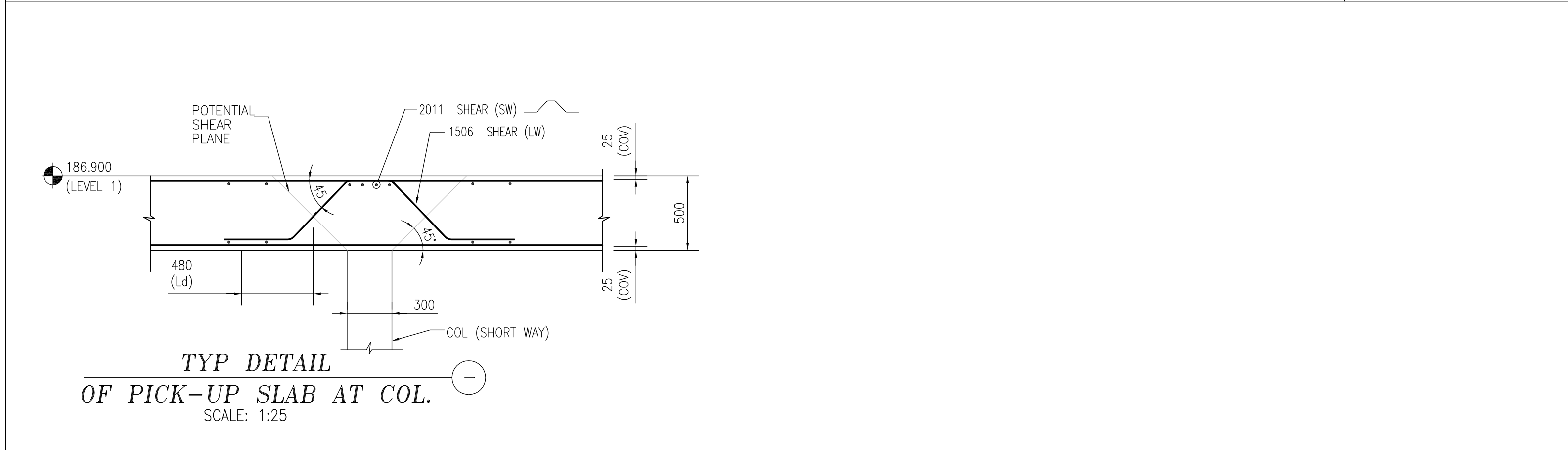
DETAILED BY: **JU**

CHECKED BY:

Project no. **2177**

SCALE: **AS SHOWN**

DRAWING No.
R6.1D



Release Code: R6.1A CF BLL P#2 PATCH BENDING DETAILS.																
Bar Mark	Qty	Size	Total length	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'	'O'	'R'
	4	15M	1100			1100										
	8	20M	2100			2100										
	8	20M	2300			2300										
1004	4	10M	2500	17		900	700	900								
1006	4	10M	1660	2	180	1300						180				
1005	4	10M	1660	2	180	700						180				
1003	30	10M	1330	2	180	1150										
1531	2	15M	1820	2	260	1300						260				
1532	2	15M	1220	2	260	700						260				
2051	4	20M	3570	2	310	3260										
2052	4	20M	1090	2	310	780										
1529	2	15M	2100	17		1000	700	1000								

DRAWING REVIEW

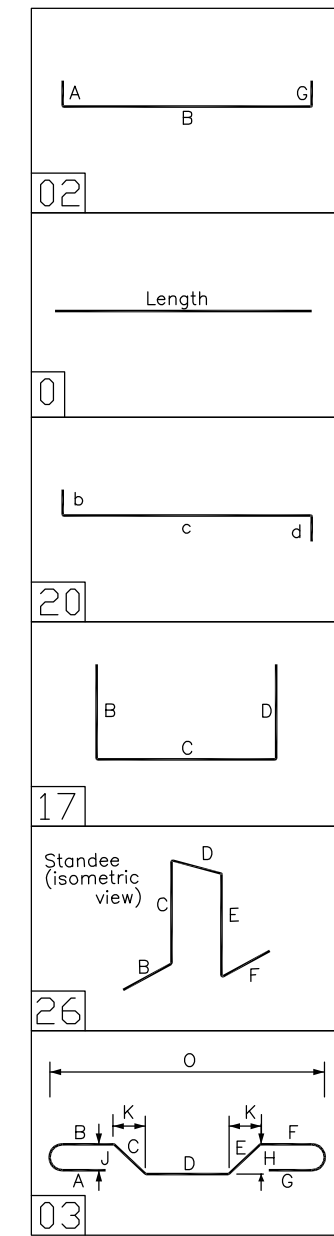
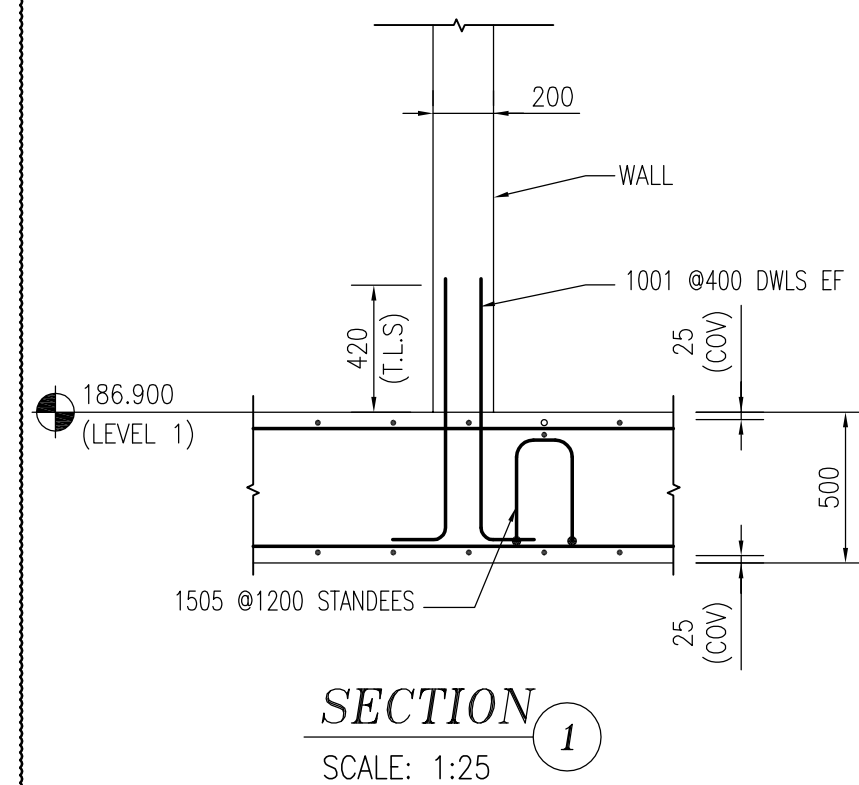
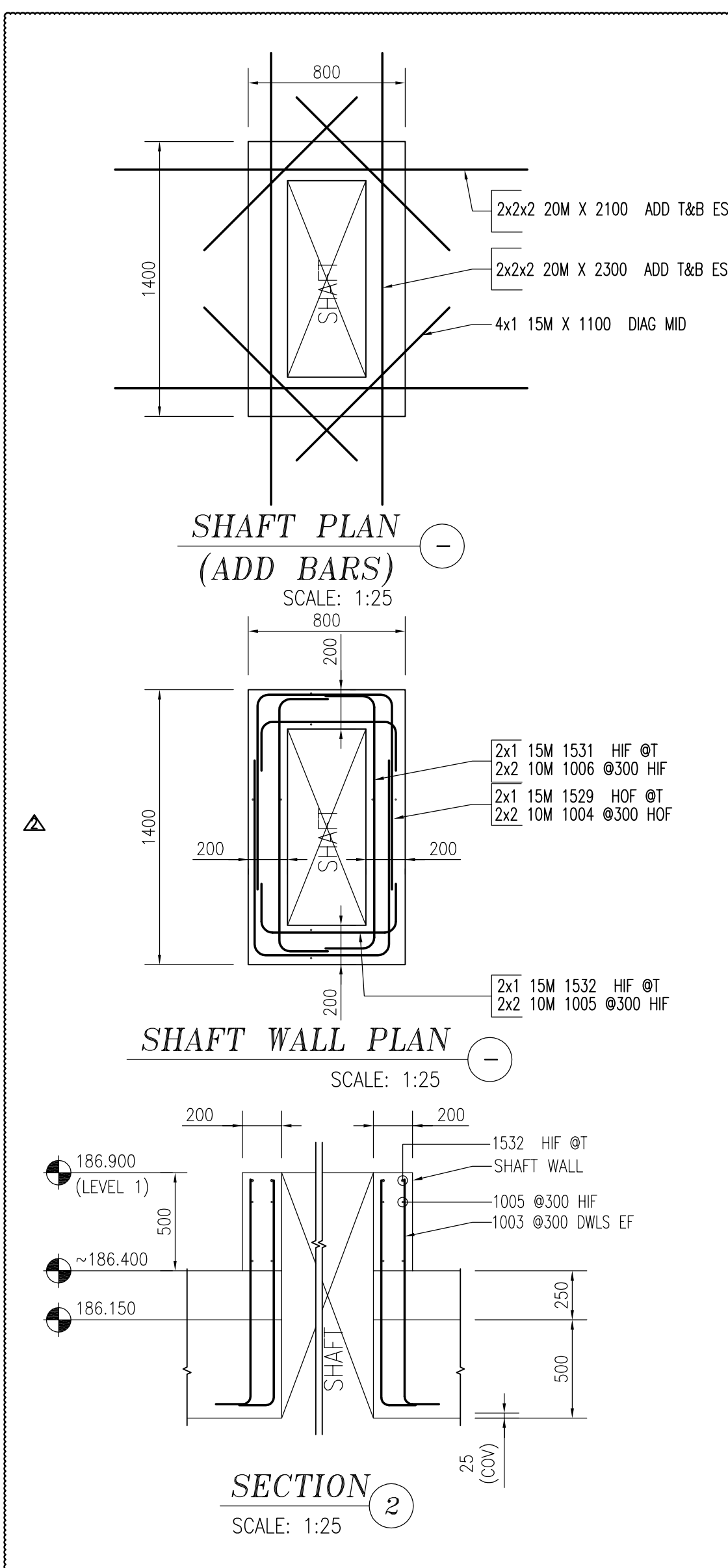
This review of this drawing does not in any way relieve the contractor of responsibility for its accuracy or for compliance with the contract documents.

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

Submission No. _____
 Project No. 19066
 By AF
 Date 15 Jun 2021

JABLONSKY, AST AND PARTNERS
 Consulting Engineers
 3 Concorde Gate, North York, ON M3C 4H9

Release		Code: RS.1A		GF		BL		P#2		BENDING DETAILS.												
Bar	Mark	Qty	Size	Total length	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'	'O'	'R'					
		36	20M	7500				7500														
		32	20M	4000				4000														
		40	20M	9800				9800														
		4	20M	2300				2300														
		105	20M	6550				6550														
		4	20M	2200				2200														
		7	20M	2800				2800														
		8	15M	1100				1100														
		4	20M	2400				2400														
		9	20M	2600				2600														
		11	20M	12500				12500														
		28	20M	6600				6600														
		9	20M	7400				7400														
		3	20M	9100				9100														
		2	15M	9800				9800														
		4	20M	4700				4700														
		5	15M	4700				4700														
		2	15M	6600				6600														
		2	15M	5950				5950														
		44	25M	4000				4000														
1001		214	10M	1050	2		180	870														
1505		34.0	15M	1500	26			300	350	200		350		300								
1504		90	15M	1400	26			300	250	200		350		300								
1002		62	10M	1800	2		180	1620														
1510		2	15M	2960	2		260	2700														
2014		2	20M	2170	2		310	1860														
2019		7	20M	3560	20			660	150	1750												
2020		7	20M	6910	20			660	1150	5100												
2016		11	20M	4190	2		310	4600														
1502		4	15M	1820	17			1100	720													
1503		4	15M	3400	17			2600	720													
2017		13	20M	6310	20			660	1150	4500												
2018		13	20M	4270	20			660	1150	2400												
1513		2	15M	4960	2		260	4700														
2013		2	20M	2500	2		310	2190														
2015		23	20M	2960	2		310	2650														
1509		6	15M	2300	20			700	1320	280												
1511		2	15M	5300	2		260	5040														
1512		2	15M	2000	2		260	1740														
1514		2	15M	1600	2		260	1340														
1515		2	15M	3040	17			700	2340													
1516		2	15M	5740	17			700	5040													
1517		2	15M	2440	17			700	1740													
2011		28	20M	2540	3			600	520	300		520		600		390						
1507		18	15M	2020	3			450	410	300		410		450		310						
2012		12	20M	2360	3			650	380	300		380		650		290						
1506		42	15M	2300	3			450	550	300		550		450		410						
1523		4	15M	3160	2		260	2900								370						
1527		16	15M	1300	2		260	1040								270						
1528		16	15M	2100	2		260	1840								250						
1508		4	15M	2760	2		260	2500								1940						

[illegible]

* 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 DRWGS

LEGEND			
ALG = ALTERNATE	FF = FAR FACE	OF = SIDE OUT, FACE	
BOT = BOTTOM	FS = FORM SURVEY	SC = SAW CUT, EDGE	
BND = BEND INTO SLAB	GD = GROUT IN DOWELS	STG = STAGGER	
CIS = CURE IN PLACE	GR = GROUT	T = TOP	
CON = CONTROL JOINT	HS = HORIZONTAL	THR1 = THREAD 1 END	
DW = DOWELS	IF = INSIDE FACE	THR2 = THREAD 2 END	
EF = EACH FACE	LD = LOWER LEVEL	UL = UPPER LAYER	
EFJ = EACH JOINT	LN = LOWER MINIMUM	U/LN = UPPER, LOWER	
ES = EACH SIDE	NF = NEAR FACE	V/LN = UNLESS NOTED	
EW = EACH WAY	OC = ON CENTER	V = VERTICAL	
		TT = TEMP. TIES	

STRAIGHT BARS LABEL FORMAT	BENT BARS LABEL FORMAT	GRADES OF STEEL
7 B15M X 3600	7 B15M B1501	A36 = CARBON STEEL
GRADE	SIZE	A572 = CARBON STEEL
LENGTH	BAR MARK	A615 = ALUMINIZED
QUANTITY	QUANTITY	W = WEARABLE

△			
△			
2	REV. PER SI(S5)	JUN/09/21	JJ
1	REV. PER COMM. FOR FAB.	MAY/31/21	JJ
0	FOR APPROVAL	MAY/19/21	JJ
ISSUE	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@mansteelrebar.com
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PROJECT
FORESTSIDE TOWNHOUSES
-BRAMPTON, ON

PART OF STRUCTURE
G.F SLAB BLL P#2

CUSTOMER :	Project no. 2177
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ROYAL PINE HOMES	SCALE: AS SHOWN
	DRAWING No.

DETAILED BY: JU	BAR LIST No.	R6.1A Δ_2
CHECKED BY:		

R6.1A₂

PROJECT		
FORESTSIDE TOWNHOUSES -BRAMPTON, ON		
PART OF STRUCTURE		
C.F SLAB BUL P #2		
CUSTOMER :		Project no. 2177
ROYAL PINE HOMES		SCALE: AS SHOWN
		DRAWING No.
DETAILED BY: JU	BAR LIST No.	
CHECKED BY:	R6.1B 	

