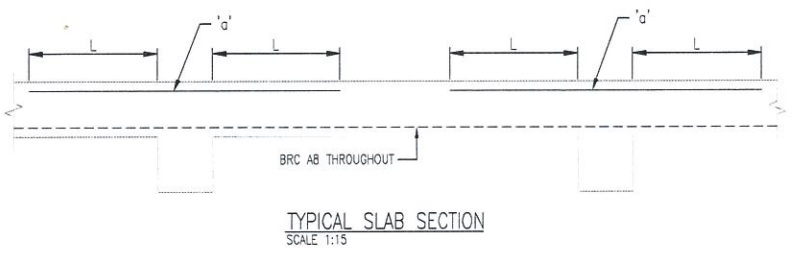
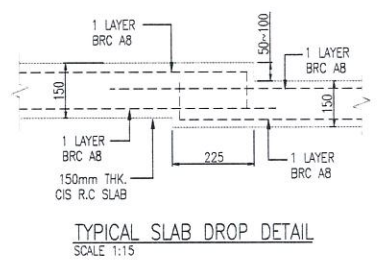
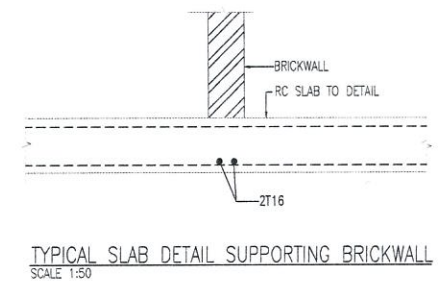
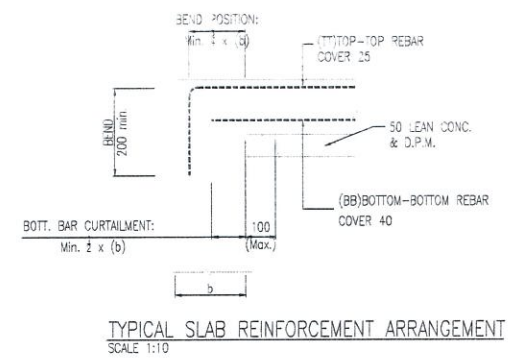


TYPICAL GROUND SLAB REINFORCEMENT LAYOUT  
SCALE 1:50

- NOTES
- DENOTES DROP AREA 50mm
  - DENOTES DROP AREA 75mm
  - DENOTES DROP AREA 100mm
  - ALL SLAB SHALL BE 150mm THK UNLESS OTHERWISE STATED
  - SLAB BOTTOM BAR SHALL BE BRC AB THROUGHOUT
  - THIS DETAIL TO READ IN CONJUNCTION WITH DRAWING NO: 1901-STR-SD-SL-001

A  
A1  
A2  
B  
B1  
C  
C1  
D  
D1  
E  
E1  
D  
D1  
C  
C1  
B1  
B  
A2  
A1  
A



SLAB REINFORCEMENT LEGEND

- ALL STEEL BAR IS BRC AB UNLESS SPECIFIED
- ANNOTATIONS: 'a' - BRC AB

NOTES

- ALL DIMENSION ARE IN MILLIMETERS.
- THE CHARACTERISTIC STRENGTH OF CONCRETE SHALL BE 35N/mm<sup>2</sup> AT 28 DAY. MAXIMUM AGGREGATE SIZE SHALL BE 20mm.
- ALL STRUCTURAL DRAWINGS TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL AND M&E DRAWINGS.
- YIELD STRESSES FOR REINFORCED STEEL BARS SHALL BE AS FOLLOWS :  
HIGH YIELD STEEL T.....460 N/mm<sup>2</sup>  
MILD STEEL R.....250 N/mm<sup>2</sup>  
STEEL FABRIC.....485 N/mm<sup>2</sup>
- UNLESS OTHERWISE STATED, CONCRETE COVER TO ALL REINFORCEMENT BARS SHALL BE AS FOLLOWS :  
(NOT CONTACT WITH GROUND)  
SLAB & WALL : 25mm  
BEAM : 30mm  
STAIRCASE : 25mm
- UNLESS STATED OTHERWISE, ALL LAP LENGTH SHALL BE 52 DIA. RELEVANT ANCHORAGE LENGTHS SHALL BE 40 DIA. FOR TENSILE AND 32 DIA. FOR COMPRESSION.
- ALL COLUMN/PILE SETTING OUT SHALL FOLLOW ARCHITECTURAL DRAWING. THE CONTRACTOR SHALL VERIFY ALL DISCREPANCIES WITH ARCHITECT OR ENGINEER BEFORE COMMENCEMENT OF WORK.

FOR CONSTRUCTION

NOTE / NOTA:

CLIENT / KLIEN:

AMENDMENTS / PERUBAHAH:

REV. NO.	AMENDMENTS	DATE
0	FIRST ISSUE	22/11/2019

PROJECT TITLE / TAJUK PROJEK:

PROPOSED DEVELOPMENT ON 169.81 ACRES ON TITLE NO. C.L.045115919, KM 4, JALAN TUARAN - KOTA BELUD, SABAH. CONSISTS OF 833 UNITS OF DOUBLE STOREY TERRACE AFFORDABLE HOMES & 800 UNITS OF 'PROJEK PERUMAHAN RAKYAT' AFFORDABLE APARTMENTS AND 17 UNITS OF DOUBLE STOREY SHOPS

CONSULTANT / PERUSAHAAN:



WK & Partners Consult Sdn Bhd (800099-1)  
C-8-1, Putra Walk Commercial Centre, Jalan PP25, Taman Pinggiran Putra  
43300 Seri Kembangan, Selangor DE, Malaysia.  
T +603 96496847 W www.wkpc.com

DRAWING TITLE / TAJUK LUKISAN:

PPR APARTMENT  
TYPICAL GROUND SLAB  
REINFORCEMENT LAYOUT

CHECKED BY / DISEKAM OLEH: LCT

DESIGNED BY / DIREKA OLEH: JWS

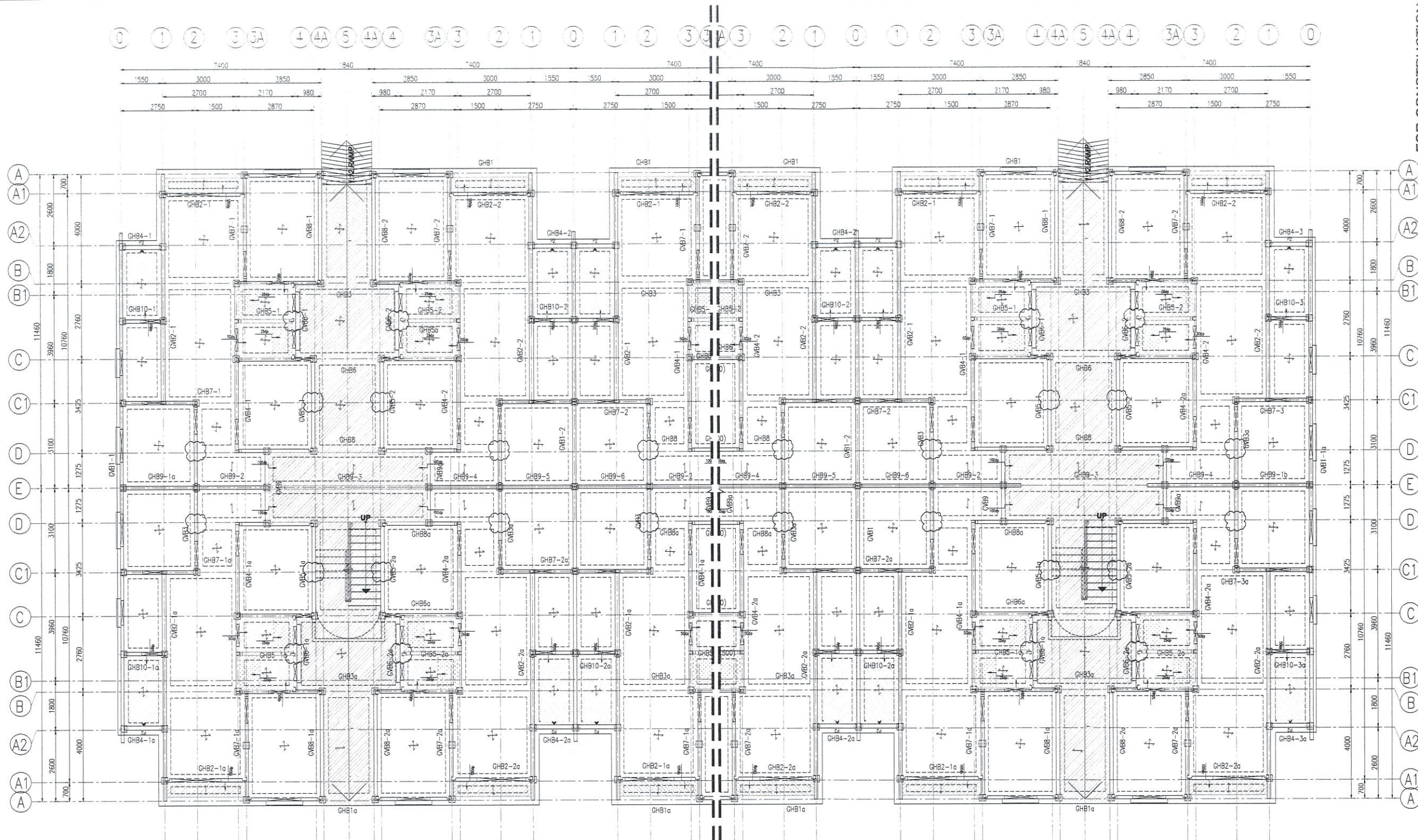
DRAWN BY / DIUKIS OLEH: FNF

SCALE / SKALA: AS SHOWN

DATE / TARikh: 21/11/2019

DRAWING NO. / NO. LUKISAN: 1901-STR-APT-LP-SL-001  
REV. NO.: 0

FOR CONSTRUCTION

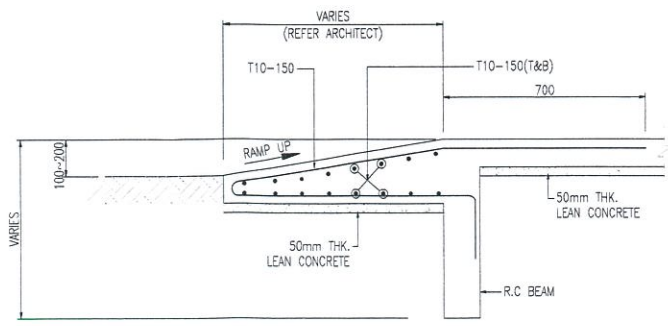


PILING AND GROUND FLOOR LAYOUT

SCALE 1:75

NOTES:

- 1. [Symbol] - DENOTES DROP AREA 50mm
- [Symbol] - DENOTES DROP AREA 75mm
- [Symbol] - DENOTES DROP AREA 100mm
- 2. ALL PILES SHALL BE 250X250 RC Sq PILE WITH 390KN WORKING LOAD PER PILE UNLESS OTHERWISE STATED.
- 3. ALL PILES SHALL BE DRIVEN TO SET.
- 4. ALL SLAB SHALL BE 150mm THK UNLESS OTHERWISE STATED
- 5. STAIRCASE DETAILS TO REFER TO DRAWING NO: 1901-STR-ST-001
- 6. PDA TO BE TEST TO 780KN WORKING LOAD
- 7. TOTAL NUMBER OF 250x250 RC Sq PILE PER BLOCK SHALL BE 259 NOS



TYPICAL RAMP DETAIL

NOTES:

- 1. ALL DIMENSION ARE IN MILLIMETERS.
- 2. THE CHARACTERISTIC STRENGTH OF CONCRETE SHALL BE 35KN/mm<sup>2</sup> AT 28 DAY. MAXIMUM AGGREGATE SIZE SHALL BE 20mm.
- 3. ALL STRUCTURAL DRAWINGS TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL AND M&E DRAWINGS.
- 4. YIELD STRESSES FOR REINFORCED STEEL BARS SHALL BE AS FOLLOWS :  
HIGH YIELD STEEL, T.....460 N/mm<sup>2</sup>  
MILD STEEL, R.....250 N/mm<sup>2</sup>  
STEEL FABRIC.....485 N/mm<sup>2</sup>
- 5. UNLESS OTHERWISE STATED, CONCRETE COVER TO ALL REINFORCEMENT BARS SHALL BE AS FOLLOWS :  
(NOT CONTACT WITH GROUND) (CONTACT WITH GROUND)  
SLAB & WALL : 25mm SLAB, BEAM, & WALL : 40mm  
BEAM : 30mm PILECAP & FOOTING : 50mm  
STAIRCASE : 25mm
- 6. UNLESS STATED OTHERWISE, ALL LAP LENGTH SHALL BE 52 DIA. RELEVANT ANCHORAGE LENGTHS SHALL BE 40 DIA. FOR TENSILE AND 32 DIA. FOR COMPRESSION.
- 7. ALL COLUMN/PILE SETTING OUT SHALL FOLLOW ARCHITECTURAL DRAWING. THE CONTRACTOR SHALL VERIFY ALL DISCREPANCIES WITH ARCHITECT OR ENGINEER BEFORE COMMENCEMENT OF WORK.

CLIENT / KLIEN:

AMENDMENTS / PERUBAHAN:

REV. NO.	AMENDMENTS	DATE
0	FIRST ISSUE	28/10/2020
1	REVISED PILE SIZE DUE TO MARKET AVAILABLE STOCK	03/11/2020
2	REVISED AS PER CLOUD	22/12/2020

PROJECT TITLE / TAJUK PROJEK:  
 PROPOSED DEVELOPMENT ON 169.81 ACRES ON TITLE NO. C.L.045115919, KM 4, JALAN TUARAN - KOTA BELUD, SABAH. CONSISTS OF 832 UNITS OF DOUBLE STOREY TERRACE AFFORDABLE HOMES & 800 UNITS OF 'PROJEK PERUMAHAN RAKYAT' AFFORDABLE APARTMENTS AND 17 UNITS OF DOUBLE STOREY SHOPS

CONSULTANT / PERUBUNG:

**WK & PARTNERS**  
WE SHAPE INDUSTRIAL STRUCTURES

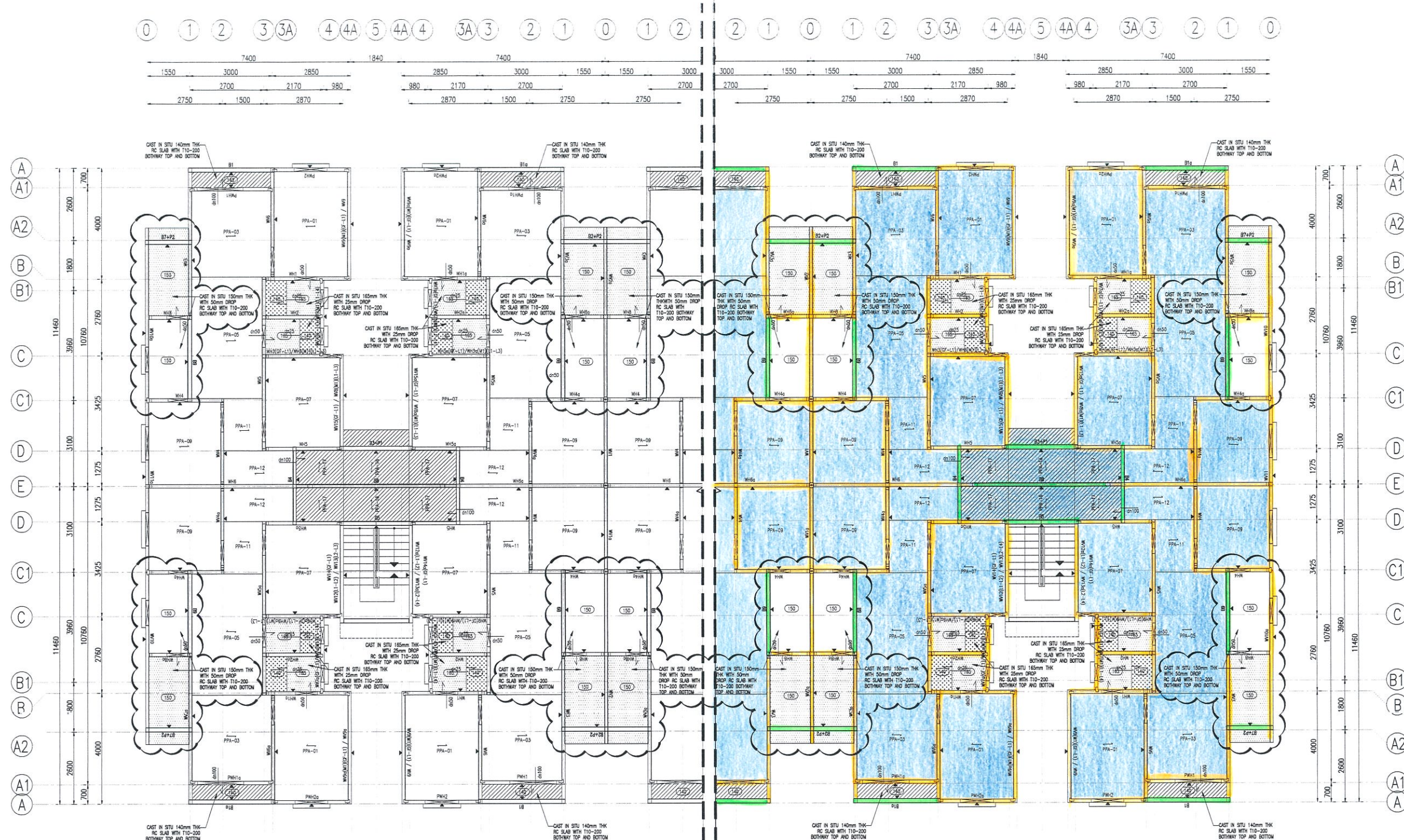
WK & Partners Consult Sdn Bhd (80099-v)  
 C-8-1, Pura Walk Commercial Centre, Jalan PP25, Taman Pinggiran Pura  
 43300 Seri Kembangan, Selangor DE, Malaysia.  
 T +603 85426847 W www.wkpc.com

DRAWING TITLE / TAJUK LUKISAN:  
 PPR APARTMENT  
 PILING & GROUND FLOOR LAYOUT

CHECKED BY / DISEKAM OLEH:	LDY
DESIGNED BY / DIREKA OLEH:	TWS
DRAWN BY / DIUKIS OLEH:	RNF
SCALE / SKALA:	1:75
DATE / TARIKH:	21/11/2019
DRAWING NO. / NO. LUKISAN:	1901-STR-APT-LP-PL-001
REV. NO.:	2

FOR CONSTRUCTION

NOTE / NOTA



**LEVEL 1 TO LEVEL 3**  
SCALE: 1:75

- NOTES :**
- ALL PRECAST WALL THICKNESS TO BE 125mm THICK UNLESS OTHERWISE STATED
  - - DENOTES DROP AREA 50mm
    - ▨ - DENOTES DROP AREA 75mm
    - ▩ - DENOTES DROP AREA 100mm
  - Bx - DENOTES PRECAST BEAM
  - STAIRCASE DETAILS TO REFER TO DRAWING NO: 1901-STR-ST-001
  - ALL PRECAST HALF SLAB TOPPING SHALL BE 75mm WITH CONCRETE GRADE C30
  - ALL PRECAST HALF SLAB SHALL BE 65mm THICK

**Legend:**

- Precast Beam
- Precast wall
- Precast plank

**NOTES :**

- ALL DIMENSION ARE IN MILLIMETERS.
- THE CHARACTERISTIC STRENGTH OF CONCRETE SHALL BE 35N/mm<sup>2</sup> AT 28 DAY. MAXIMUM AGGREGATE SIZE SHALL BE 20mm.
- ALL STRUCTURAL DRAWINGS TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL AND M&E DRAWINGS.
- YIELD STRESSES FOR REINFORCED STEEL BARS SHALL BE AS FOLLOWS :  
 HIGH YIELD STEEL, T.....460 N/mm<sup>2</sup>  
 MILD STEEL, R.....250 N/mm<sup>2</sup>  
 STEEL FABRIC.....485 N/mm<sup>2</sup>
- UNLESS OTHERWISE STATED, CONCRETE COVER TO ALL REINFORCEMENT BARS SHALL BE AS FOLLOWS :  
 (NOT CONTACT WITH GROUND) (CONTACT WITH GROUND)  
 SLAB & WALL : 25mm SLAB, BEAM, & WALL : 40mm  
 BEAM : 30mm PILECAP & FOOTING : 50mm  
 STAIRCASE : 25mm
- UNLESS STATED OTHERWISE, ALL LAP LENGTH SHALL BE 52 DIA. RELEVANT ANCHORAGE LENGTHS SHALL BE 40 DIA. FOR TENSILE AND 32 DIA. FOR COMPRESSION.
- ALL COLUMN/PILE SETTING OUT SHALL FOLLOW ARCHITECTURAL DRAWING. THE CONTRACTOR SHALL VERIFY ALL DISCREPANCIES WITH ARCHITECT OR ENGINEER BEFORE COMMENCEMENT OF WORK.

CLIENT / KLIEN

AMENDMENTS / PERUBAHAN:

REV. NO.	AMENDMENTS	DATE
0	FIRST ISSUE	27/03/2020
1	REVISED AS PER CLOUD	23/07/2020
2	REVISED AS PER CLOUD	22/12/2020
3	REVISED AS PER CLOUD	26/02/2021
4	REVISED AS PER CLOUD	09/08/2021
5	REVISED AS PER CLOUD	08/12/2021

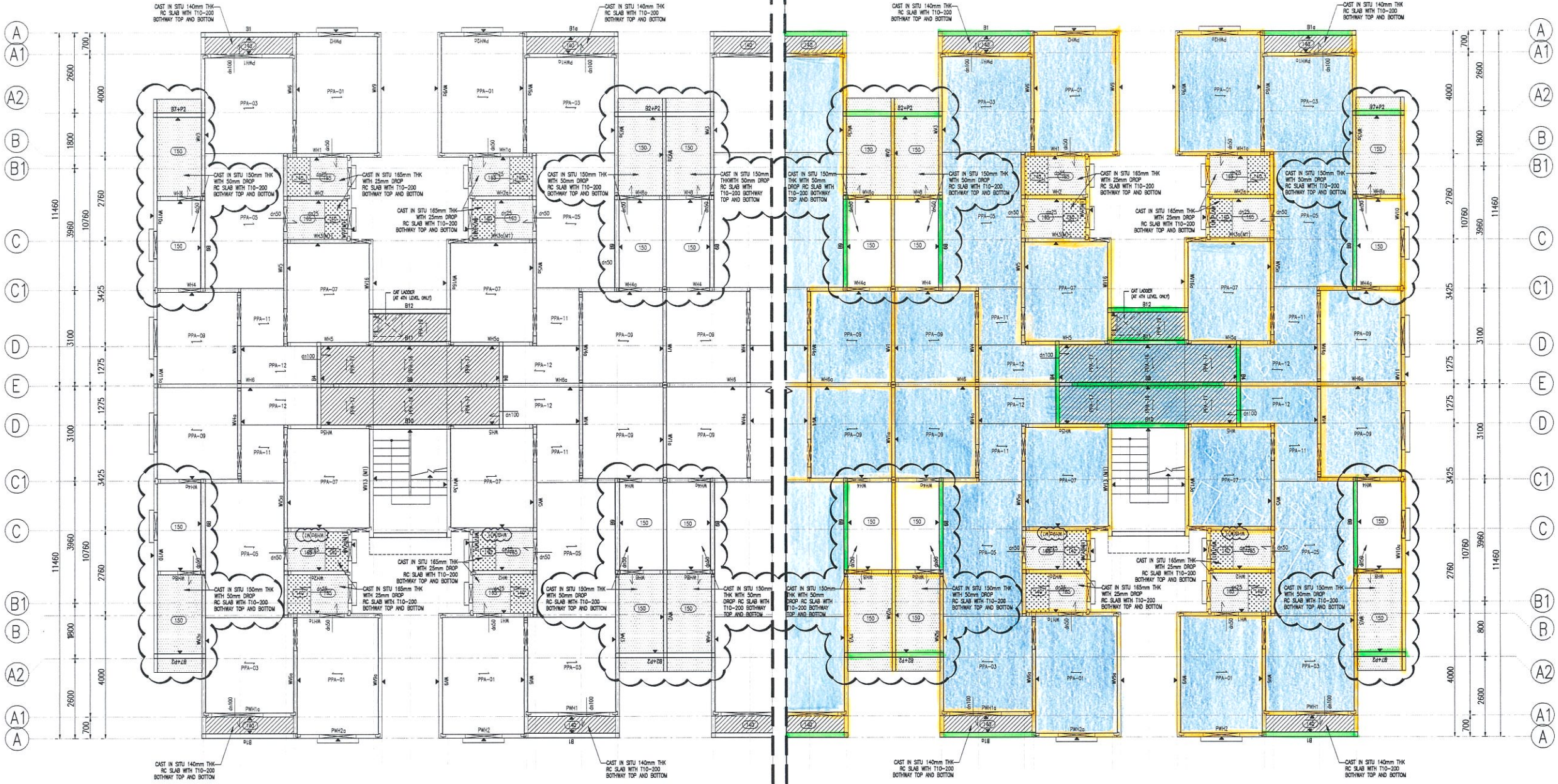
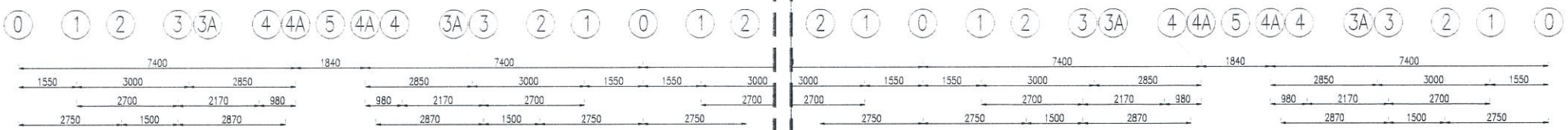
PROJECT TITLE / TAJUK PROJEK:  
 PROPOSED DEVELOPMENT ON 169.81 ACRES ON TITLE NO. C.L.045115919, KM 4, JALAN TUARAN - KOTA BELUD, SABAH. CONSISTS OF 833 UNITS OF DOUBLE STOREY TERRACE AFFORDABLE HOMES & 800 UNITS OF 'PROJEK PERUMAHAN RAKYAT' AFFORDABLE APARTMENTS AND 17 UNITS OF DOUBLE STOREY SHOPS

CONSULTANT / PERINGUNG:  
**WK & PARTNERS**  
 WE SHAPE INDUSTRIAL STRUCTURES

WK & Partners Consult Sdn Bhd (800099-v)  
 C-8-1, Putra Walk Commercial Centre, Jalan PP25, Taman Pinggiran Putra  
 43300 Seri Kembangan, Selangor DE, Malaysia.  
 T +603 89595847 W www.wkpc.com

DRAWING TITLE / TAJUK LUKSANA:  
**PPR APARTMENT**  
 LEVEL 1 TO LEVEL 3

CHECKED BY / DISEKAM OLEH: LCT	REV. NO.:
DESIGNED BY / DREKA OLEH: TWS	1901-E-LP-L1-001
DRAWN BY / DILUKIS OLEH: FNF / HZ	5
SCALE / SKALA: 1:75	
DATE / TARIKH: 27/03/2020	
DRAWING NO. / NO. LUKSANA:	



**LEVEL 4**

SCALE 1:75

**NOTES :**

1. ALL PRECAST WALL THICKNESS TO BE 125mm THICK UNLESS OTHERWISE STATED
2. - DENOTES DROP AREA 50mm  
 - DENOTES DROP AREA 75mm  
 - DENOTES DROP AREA 100mm
3. Bx - DENOTES PRECAST BEAM
4. STAIRCASE DETAILS TO REFER TO DRAWING NO: 1901-STR-ST-001
5. ALL PRECAST HALF SLAB TOPPING SHALL BE 75mm WITH CONCRETE GRADE C30
6. ALL PRECAST HALF SLAB SHALL BE 65mm THICK

**Legend :-**

- Precast Beam
- Precast Wall
- Precast plank

**NOTES :**

1. ALL DIMENSION ARE IN MILLIMETERS.
2. THE CHARACTERISTIC STRENGTH OF CONCRETE SHALL BE 35N/mm<sup>2</sup> AT 28 DAY. MAXIMUM AGGREGATE SIZE SHALL BE 20mm.
3. ALL STRUCTURAL DRAWINGS TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL AND M&E DRAWINGS.
4. YIELD STRESSES FOR REINFORCED STEEL BARS SHALL BE AS FOLLOWS :  
HIGH YIELD STEEL, T.....460 N/mm<sup>2</sup>  
MILD STEEL, R.....250 N/mm<sup>2</sup>  
STEEL FABRIC.....485 N/mm<sup>2</sup>
5. UNLESS OTHERWISE STATED, CONCRETE COVER TO ALL REINFORCEMENT BARS SHALL BE AS FOLLOWS :  
(NOT CONTACT WITH GROUND) (CONTACT WITH GROUND)  
SLAB & WALL : 25mm SLAB, BEAM, & WALL : 40mm  
BEAM : 30mm PILECAP & FOOTING : 50mm  
STAIRCASE : 25mm
6. UNLESS STATED OTHERWISE, ALL LAP LENGTH SHALL BE 52 DIA. RELEVANT ANCHORAGE LENGTHS SHALL BE 40 DIA. FOR TENSILE AND 32 DIA. FOR COMPRESSION.
7. ALL COLUMN/PILE SETTING OUT SHALL FOLLOW ARCHITECTURAL DRAWING. THE CONTRACTOR SHALL VERIFY ALL DISCREPANCIES WITH ARCHITECT OR ENGINEER BEFORE COMMENCEMENT OF WORK.

FOR CONSTRUCTION

NOTE / NOTA

CLIENT / KLIEN

REV. NO.	AMENDMENTS	DATE
0	FIRST ISSUE	27/03/2020
1	REVISED AS PER CLOUD	02/03/2021
2	REVISED AS PER CLOUD	09/08/2021
3	REVISED AS PER CLOUD	08/12/2021

PROJECT TITLE / TAJUK PROJEK:  
**PROPOSED DEVELOPMENT ON 169.81 ACRES ON TITLE NO. C.L.045115919, KM 4, JALAN TUARAN - KOTA BELUD, SABAH. CONSISTS OF 833 UNITS OF DOUBLE STOREY TERRACE AFFORDABLE HOMES & 800 UNITS OF 'PROJEK PERUMAHAN RAKYAT' AFFORDABLE APARTMENTS AND 17 UNITS OF DOUBLE STOREY SHOPS**

CONSULTANT / PERINGJAN:

**WK & PARTNERS**  
WE SHAPE INDUSTRIAL STRUCTURES

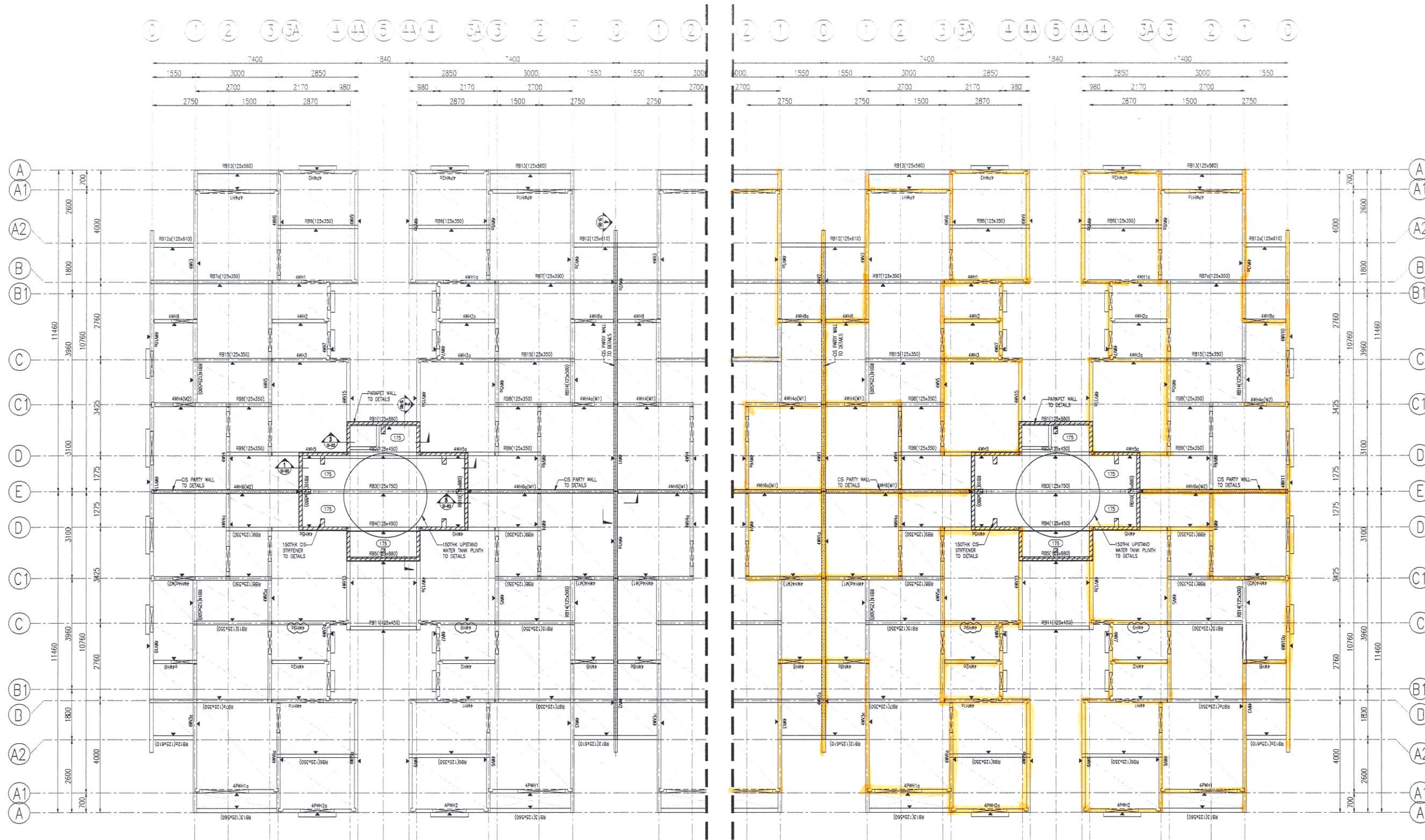
WK & Partners Consult Sdn Bhd (490999-v)  
C-6-1, Plaza Walk Commercial Centre, Jalan PP25, Taman Pinggiran Putra  
43300 Seri Kembangan, Selangor DE, Malaysia.  
T +603 89595847 W www.wkpc.com

DRAWING TITLE / TAJUK LUKISAN:  
**PPR APARTMENT LEVEL 4**

CHECKED BY / DISEKAM OLEH: LCT  
DESIGNED BY / DISEKA OLEH: TWS  
DRAWN BY / DIUKIS OLEH: FNF / HFZ  
SCALE / SKALA: 1:80  
DATE / TARIKH: 27/03/2020

DRAWING NO. / NO. LUKISAN: 1901-E-LP-L4-001  
REV. NO.: 3

FOR CONSTRUCTION



**ROOF LEVEL**  
SCALE 1:75

**NOTES :**

1. ALL PRECAST WALL THICKNESS TO BE 125mm THICK UNLESS OTHERWISE STATED
2. Bx - DENOTES PRECAST BEAM
3. RBx - DENOTES CIS BEAM

**Legend:**

Precast wall

**NOTES :**

1. ALL DIMENSION ARE IN MILLIMETERS.
2. THE CHARACTERISTIC STRENGTH OF CONCRETE SHALL BE 35N/mm<sup>2</sup> AT 28 DAY. MAXIMUM AGGREGATE SIZE SHALL BE 20mm.
3. ALL STRUCTURAL DRAWINGS TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL AND M&E DRAWINGS.
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MILD STEEL, R.....250 N/mm<sup>2</sup>  
STEEL FABRIC.....485 N/mm<sup>2</sup>
5. UNLESS OTHERWISE STATED, CONCRETE COVER TO ALL REINFORCEMENT BARS SHALL BE AS FOLLOWS :  
(NOT CONTACT WITH GROUND) (CONTACT WITH GROUND)  
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BEAM : 30mm PILECAP & FOOTING : 50mm  
STAIRCASE : 25mm
6. UNLESS STATED OTHERWISE, ALL LAP LENGTH SHALL BE 52 DIA. RELEVANT ANCHORAGE LENGTHS SHALL BE 40 DIA. FOR TENSILE AND 32 DIA. FOR COMPRESSION.
7. ALL COLUMN/PILE SETTING OUT SHALL FOLLOW ARCHITECTURAL DRAWING. THE CONTRACTOR SHALL VERIFY ALL DISCREPANCIES WITH ARCHITECT OR ENGINEER BEFORE COMMENCEMENT OF WORK.

CLIENT / KLIEN:

AMENDMENTS / PERUBAHAN:

REV. NO.	AMENDMENTS	DATE
0	FIRST ISSUE	23/11/2020
1	REVISED AS PER CLOUD	25/08/2021

PROJECT TITLE / TAJUK PROJEK:

PROPOSED DEVELOPMENT ON 169.81 ACRES ON TITLE NO. C.L.045115919, KM 4, JALAN TUARAN - KOTA BELUD, SABAH. CONSISTS OF 833 UNITS OF DOUBLE STOREY TERRACE AFFORDABLE HOMES & 800 UNITS OF 'PROJEK PERUMAHAN RAKYAT' AFFORDABLE APARTMENTS AND 17 UNITS OF DOUBLE STOREY SHOPS

CONSULTANT / PERINGKON:

**WK & PARTNERS**  
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WK & Partners Consult Sdn Bhd (800099-V)  
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43300 Seri Kembangan, Selangor DE, Malaysia.  
T +603 95458847 W www.wkpc.com

DRAWING TITLE / TAJUK LUKSANA:

PPR APARTMENT  
ROOF LEVEL

CHECKED BY / DISMAK OLEH: LCY

DESIGNED BY / DIREKA OLEH: TWS

DRAWN BY / DULUKS OLEH: FUF

SCALE / SKALA: 1:75

DATE / TARIKH: 08/04/2020

DRAWING NO. / NO. LUKSANA:

1901-E-LP-RF-001

REV. NO.:

1