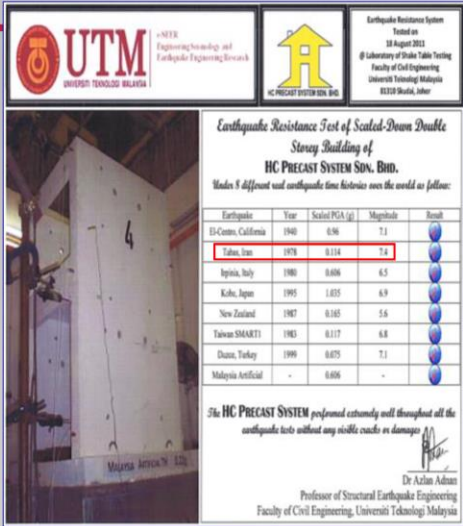


HCPS was founded in **2002** after years of **Research** and **Development** mainly focused on tackling the **water leakage** issue. Through years of **hard work** and **constant refinement** to the system, **HCPS** through this **proprietary system** currently holds **six (6) Intellectual Properties (IP)**. Among the highlights of the **HCPS's system** is the ability of the **structure to withstand earthquake forces** (test conducted in collaboration with **UTM JOHOR**)

HCPS is one of the **very few** one-stop precast system provider in which not only we own the **earthquake** resistant **monolithic wall, modular shear keys (wet joint)** with **multi-box system** with key features of the connecting **shear keys** that possess tested structural integrity and preventing **water leakage** in wet climate environment as well as eliminating the possibility of **zigzag crack** along the connecting zone



Earthquake Resistance System Tested on 18 August 2012
 @ Laboratory of Soil & Tissue Testing
 Faculty of Civil Engineering
 Universiti Teknologi Malaysia
 81300 Skudai, Johor

Earthquake Resistance Test of Sealed-Down Double Storey Building of HC PRECAST SYSTEM Sdn. Bhd.
 Makes 8 different wall earthquake time histories over the world as follows:

Earthquake	Year	Sealed PCA (g)	Magnitude	Result
El-Centro, California	1940	0.16	7.1	Pass
Tanaka, Iran	1975	0.114	7.4	Pass
Hydra, Italy	1980	0.066	6.5	Pass
Kobe, Japan	1995	1.035	6.9	Pass
New Zealand	1987	0.165	5.6	Pass
Taiwan (SMART)	1983	0.117	6.8	Pass
Duzce, Turkey	1999	0.075	7.1	Pass
Malaysia Artificial	-	0.066	-	Pass

HC PRECAST SYSTEM performed extremely well throughout all the earthquake tests without any visible cracks or damages.

Dr Azlan Adams
 Professor of Structural Earthquake Engineering
 Faculty of Civil Engineering, Universiti Teknologi Malaysia



United States Patent
 6,732,100
 12/15/02

Building Method
 Teow Beng Hur, Singapore Direct Elevator

HC Precast System Sdn. Bhd.
 Singapore Direct Elevator (SDE)

Improvements in Building Method
 Filed: Nov. 1, 2002
 U.S. Pat. No. 6,732,100

TEOW BENG HUR
 4000 SHAH ALAM, SELANGOR DARUL EHSAN, MALAYSIA

HC PRECAST SYSTEM Sdn. Bhd.
 NO. 238, JALAN SRI SANGA 20/1, SEKSYEN 20, 4000 SHAH ALAM, SELANGOR DARUL EHSAN, MALAYSIA

DATE OF GRANT : 30 JUNE 2008

Dated this 30 day of JUNE 2008

(DATI) SHAHRIBAN BINTI KAMARUDDIN
 Registrar of Patents
 MALAYSIA

MALAYSIA
 CERTIFICATE OF GRANT OF A PATENT

In accordance with Section 31(2) of the Patents Act 1983 a patent for an invention having grant number MY-134213-A has been granted to HC PRECAST SYSTEM Sdn. Bhd. in respect of an invention having the following particulars:

TITLE : IMPROVEMENTS IN BUILDING METHOD
FILING DATE : 20 JULY 2002
PRIORITY DATE : NONE
NAME OF INVENTOR : TEOW BENG HUR
PATENT OWNER : HC PRECAST SYSTEM Sdn. Bhd.
DATE OF GRANT : 30 JUNE 2008

Dated this 30 day of JUNE 2008

(DATI) SHAHRIBAN BINTI KAMARUDDIN
 Registrar of Patents
 MALAYSIA

MALAYSIA
 CERTIFICATE OF GRANT OF A PATENT

In accordance with Section 31(2) of the Patents Act 1983 a patent for an invention having grant number MY-162115-A has been granted to HC PRECAST SYSTEM Sdn. Bhd. in respect of an invention having the following particulars:

TITLE : BEAM MOULD SUPPORT ASSEMBLY
FILING DATE : 12 FEBRUARY 2009
PRIORITY DATE : NONE
NAME OF INVENTOR : TEOW BENG HUR
PATENT OWNER : HC PRECAST SYSTEM Sdn. Bhd.
DATE OF GRANT : 31 MAY 2017

DURATION OF PATENT : 12 FEBRUARY 2009 UNTIL 12 FEBRUARY 2025
END OF PROTECTION : 30 MAY 2019 (SUBSEQUENT ANNUAL FEE SHALL FOLLOW AS STATED IN THE SCHEDULE OF FEES AT THE BACK OF THIS PAGE)

Dated this 31 day of MAY 2017

(DATI) SHAHRIBAN BINTI KAMARUDDIN
 Registrar of Patents
 MALAYSIA

MALAYSIA
 CERTIFICATE OF GRANT OF A PATENT

In accordance with Section 31(2) of the Patents Act 1983 a patent for an invention having grant number MY-157696-A has been granted to HC PRECAST SYSTEM Sdn. Bhd. in respect of an invention having the following particulars:

TITLE : EARTHQUAKE PROOF WALL PANELS
FILING DATE : 22 JULY 2010
PRIORITY DATE : NONE
NAME OF INVENTOR : TEOW BENG HUR
PATENT OWNER : HC PRECAST SYSTEM Sdn. Bhd.
DATE OF GRANT : 15 JULY 2016

DURATION OF PATENT : 12 FEBRUARY 2009 UNTIL 12 FEBRUARY 2025
END OF PROTECTION : 30 MAY 2019 (SUBSEQUENT ANNUAL FEE SHALL FOLLOW AS STATED IN THE SCHEDULE OF FEES AT THE BACK OF THIS PAGE)

Dated this 15 day of JULY 2016

(DATI) SHAHRIBAN BINTI KAMARUDDIN
 Registrar of Patents
 MALAYSIA

MALAYSIA
 CERTIFICATE OF GRANT

In accordance with Section 31(2) of the Patents Act 1983 a patent for an invention having grant number MY-198712 has been granted to HC PRECAST SYSTEM Sdn. Bhd. in respect of an invention having the following particulars:

TITLE : PANEL FORM
FILING DATE : 27 MAY 2002
PRIORITY DATE : NONE
NAME OF INVENTOR : TEOW BENG HUR
PATENT OWNER : HC PRECAST Sdn. Bhd.
DATE OF GRANT : 30 OCTOBER 2002

Dated this 30 day of OCTOBER 2002

(DATI) SHAHRIBAN BINTI KAMARUDDIN
 Registrar of Patents
 MALAYSIA

REPUBLIK INDONESIA
 KEMENTERIAN RISET DAN TEKNOLOGI, INFORMATIKA DAN KOMUNIKASI
SERTIFIKAT PATEN

Menurut Haluan dan Hak Asasi Manusia serta norma-norma Republik Indonesia berdasarkan Undang-Undang Nomor 13 Tahun 2008 tentang Paten, berdasarkan Proses Paten:

Nama dan Alamat Pemegang Paten : HC PRECAST SYSTEM Sdn. Bhd.
 No. 238, Jalan Sri Sanga 20/1, Seksyen 20, 40000 Shah Alam, Selangor Darul Ehsan, MALAYSIA

Judul Paten : PANEL DINDING YANG TAJAH TERBAGAI GEOMETRI

Inventor : Teow Beng Hur

Tanggal Pendaftaran Paten : 29 Desember 2008

Nomor Paten : EP990647603

Tanggal Pemberian Paten : 07 September 2017

Periode: Paten ini diberikan selama diberikan untuk selama 20 tahun terhitung sejak Tanggal Pendaftaran Paten (Pasal 22 Undang-Undang Nomor 13 Tahun 2008 tentang Paten).

Sertifikat Paten ini diberikan dengan syarat, klausa, dan/atau pasal (jika ada) dari inventori yang tidak merupakan dan sertifikasi ini

Dr. Dedy Mita Yusuf, M. S.
 NIP. 19640701902003001

Link 1



HC Precast System
Sdn. Bhd.

“Case Study - HC Precast System monolithic wall system between **Universiti Teknologi PETRONAS** (UTP) and HCPS”

Framework For Sustainable Industrialized Building System (IBS) Implementation In Low and Mid-Rise Residential Buildings



UNIVERSITI
TEKNOLOGI
PETRONAS



Case Study 1

10 Units of Single Storey Terrace House,
Bahau, Negeri Sembilan

Completed in 26 Days with 10 Workers
(8.00 am - 7.00 pm)

[Link 2](#)



Case Study 2

2 Units of Single Storey Semi-D House,
Temerloh, Pahang

Completed in 9 Days with 9 Workers
(8.00 am - 7.00 pm)

HCPS's Precast element comply to the Building by Law & Bsi code

Uniform building by law :

- Page 35 section 86 (2) **clearly stated** the **single storey house** may be in **load-bearing 100mm solid masonry** or in-situ concrete.



[Section 84 – 86]

(3) Every brick or masonry wall of a building founded on strip footings shall be provided with a damp proof course which shall be—

- (a) at a height of not less than 150 millimetres above the surface of the ground adjoining the wall; and
- (b) beneath the level of the underside of the lowest timbers of the ground floor resting on the wall, or where the ground floor is a solid floor, not higher than the level of the upper surface of the concrete or other similar solid material forming the structure of the floor.

(4) Where any part of a floor of the lowest or only storey of a building is below the surface of the adjoining ground and a wall or part of a wall of the storey is in contact with the ground—

- (a) the wall or part of the wall shall be constructed or provided with a vertical damp proof course so as to be impervious to moisture from its base to a height of not less than 150 millimetres above the surface of the ground; and
- (b) an additional damp proof course shall be inserted in the wall or part of the wall at its base.

(5) Where the floor or any part of the walls of a building is subject to water pressure, that portion of the floor or wall below ground level shall be waterproof.

85. For the purposes of this Part wherever references are made to the thickness of any brick wall, the maximum or minimum thickness of such wall shall not exceed the nominal thickness plus or minus the maximum tolerance permissible under any standard specification.

86. (1) All party walls shall generally be of not less than 200 millimetres total thickness of solid masonry or **party walls** in-situ concrete which may be made up of two separate skins each of not less than 100 millimetres thickness if constructed at different times:

Provided that in multi-storeyed flats and terrace houses of reinforced concrete or of protected steel framed construction having floors and roofs constructed to the requirements of these By-laws, the party wall thereof shall not be less than 100 millimetres total thickness.

(2) Party walls in single storeyed houses may be in load-bearing 100 millimetres solid masonry or in-situ concrete provided the requirements of Part V, VI and VII of these By-laws are complied with.

(3) All party walls shall be carried above the upper surface of the roof to a distance of not less than 230 millimetres at right angles to such upper surface.

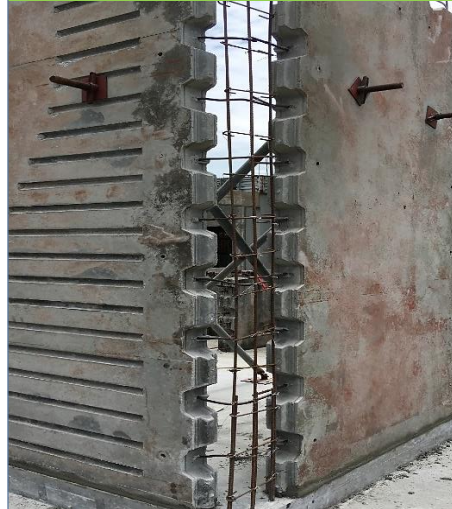
35

British Standard (BSI) :

- BS 8110_1:1997 - Page 21 Table 3.3

- **Nominal cover to all reinforcement and Table 3.4**

- **Nominal cover to all reinforcement (including links) to meet specified periods of fire resistance.**



BS 8110-1:1997

Table 3.3 — Nominal cover to all reinforcement (including links) to meet durability requirements (see NOTE 1)

Conditions of exposure (see 3.3.4)	Nominal cover Dimensions in millimetres				
	25	30	20*	20*	20*
Mild	—	35	30	25	20
Severe	—	40	30	25	20
Very severe	—	50	40	30	20
Most severe	—	—	—	—	50
Abrasive	—	—	—	—	50
Maximum free water/cement ratio	0.45	0.40	0.35	0.30	0.25
Minimum cement content (kg/m ³)	275	300	325	350	350
Lowest grade of concrete	C30	C35	C40	C45	C50

NOTE 1 This table relates to normal weight aggregate of 20 mm nominal size. Adjustments to minimum cement contents for aggregate other than 20 mm nominal maximum size are detailed in Table 4 of BS 5210-1:1997. These values have lower resistance to chloride ion migration. If they are used in reinforced concrete in dry areas or most severe exposure conditions, the values in Table 3.3 should be increased by 10 mm.

NOTE 2 The minimum cover to reinforcement in concrete in contact with the ground should be increased to 50 mm.

NOTE 3 Cover should be not less than the nominal value corresponding to the relevant environmental category plus one allowance for loss of cover due to abrasion.

* These covers may be reduced to 15 mm provided that the nominal maximum size of aggregate does not exceed 13 mm.

† Where concrete is subject to freezing/thawing wet, air-restraint should be used (see 3.3.3 of BS 5210-1:1997) and the strength grade must be reduced by 5.

Table 3.4 — Nominal cover to all reinforcement (including links) to meet specified periods of fire resistance (see NOTES 1 and 2)

Fire resistance A	Nominal cover					
	Beams ^a		Floors		Ribs	
	Simply supported mm	Continuous mm	Simply supported mm	Continuous mm	Simply supported mm	Continuous mm
0.5	20 ^b	20 ^b	20 ^b	20 ^b	20 ^b	20 ^b
1	20 ^b	20 ^b	20 ^b	20 ^b	20 ^b	20 ^b
1.5	20	20	25	20	35	20
2	40	30	35	25	45	25
3	60	40	45	25	55	25
4	70	50	55	45	65	25

NOTE 1 The nominal covers given relate specifically to the minimum member dimensions given in Figure 3.2. Guidance on additional covers for members of other dimensions are used to given in section 4 of BS 8110-2:1995.

NOTE 2 Cases that fall below the limit have specific situations in the additional measures necessary to reduce the risks of spalling from fire.

^a For the purpose of assessing a nominal cover to beams and columns, the cover to main bars which would have been obtained from Tables 4.2 and 4.3 of BS 8110-2:1995 has been reduced by a nominal allowance for stirrups of 10 mm to cover the range 0 mm to 12 mm (see also 3.3.6).

^b These covers may be reduced to 15 mm provided that the nominal maximum size of aggregate does not exceed 13 mm (see 3.3.3.6).

Clearly stated of these BSI code are complied with.

British Standard (BSI) :

- BS 8110_1:1997 : Page 134. Table 6.2

- **Minimum period before striking formwork (concrete made with Portland cement 42.5 to BS 12:1991 or sulfate-resisting Portland cement 42.5 to BS 4027:1991).**



Table 6.2 — Minimum period before striking formwork (concrete made with Portland cement 42.5 to BS 12:1991 or sulfate-resisting Portland cement 42.5 to BS 4027:1991)

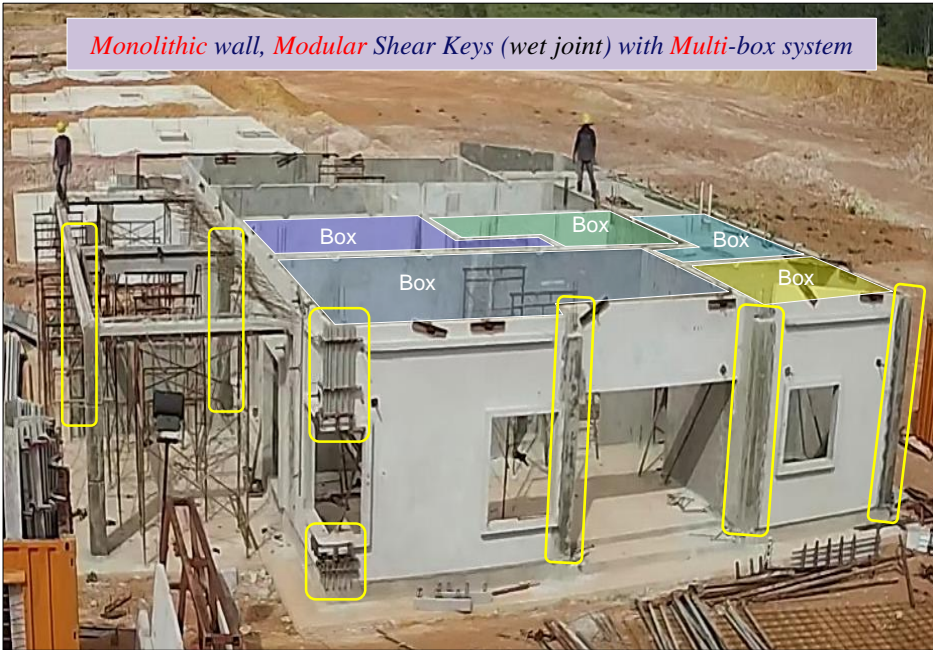
Type of framework	Minimum period before striking	
	Surface temperature of concrete	
	16 °C and above	t °C (any temperature between 0 °C and 16 °C)
Vertical formwork to columns, walls and large beams	12 h	$\frac{300}{t+10}$ h
Soffit formwork to slabs	4 days	$\frac{100}{t+10}$ days
Soffit formwork to beams and props to slabs	10 days	$\frac{250}{t+10}$ days
Props to beams	14 days	$\frac{360}{t+10}$ days

NOTE This table can be applied to PC and SRPC of higher cement strength classes.



Independent Checker on Shear Key (Wet Joint) HCPS's Precast R.C. wall panels

Monolithic wall, Modular Shear Keys (wet joint) with Multi-box system



Perunding PaduReka Sdn. Bhd.
 CONSULTING ENGINEERS
 41A, Jalan Jajaka 2, Taman Maluri, Cheras, 56100 Kuala Lumpur.
 Tel No: 03-9202030, 0326567, 0326525 Fax: 03-9202030, 0207372
 Jajar Bahru Branch: 24A, 1st Floor, Jajar Layang 16, Taman Puchong, 81200 Johor Bahru.
 Tel No: 07-3419987 Fax: 07-3419328
 E-mail: eng@perunding.com, padureka@perunding.com

Cadangan Pembinaan Kompleks Bank Gen Biji Benih Pertanian Di Ibu Pejabat Mardi, Serdang, Selangor

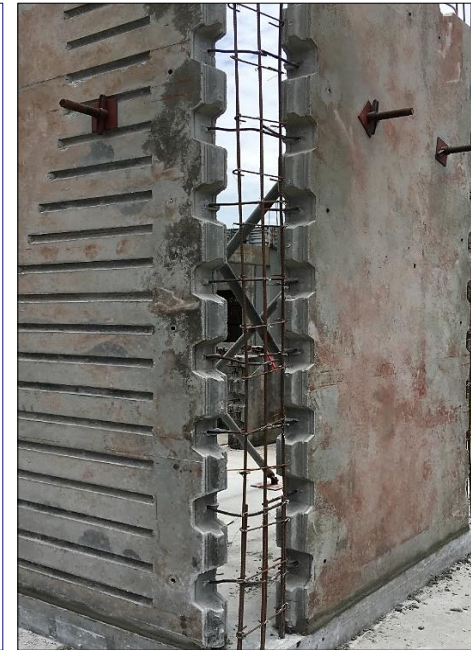
Supplementary Independent Checker Engineer's Report No. 5-1 on Shear Key Joints For Precast R.C. Wall Panels

Handwritten signature: nahl

INGENIERA PROFESIONAL
AWAM
IR. HO THEY SEE
4314
MALAYSIA

Prepared By:
 Perunding PaduReka Sdn. Bhd.
 41A Jalan Jajaka 2
 Taman Maluri
 Cheras
 56100 Kuala Lumpur
 18 January 2010

MUSAHI MD YUNUS S. S. Puan, CIVIL ENG. PENG. MEM. ASEAN (Eng. COSEM) (Msd.)
 HAZAL SHARIF ALI S. E. Puan, CIVIL ENG. MEM.
 HO THEY SEE S. E. Puan, MEM. NICE, PENG.
 HONG LIP TOH S. E. Puan, MEM. PENG.



Cadangan Pembinaan Kompleks Bank Gen Biji Benih Pertanian Di Ibu Pejabat Mardi, Serdang, Selangor
 - Supplementary Independent Checker Engineer's Report No. 5-1 on Shear Key Joints For Precast R.C. Wall Panels

1) In ICE Report No.5, the special recess and protruding keys at both ends of precast r.c. wall panels was mentioned under Section (2) (g). However the shear capacity of the shear key joints was not dealt with because the detailed dimensions / configuration of the shear keys was not made available at that time. On January 13, 2010, Perunding ACE Sdn. Bhd. released the details of the key joints and hence this supplementary ICE's Report No. 5-1 is meant to deal with the shear capacity of the joint.

2) **Ultimate Shear Capacity of the Key Joints**

a) By definition, the shear keys can be classified as "castellated" joints and according to the requirements of joints transmitting shear under Clause 5.3.7 (c) of BS 8110, Part 1, no shear reinforcement is required if the shear stress due to ultimate loads is less than 1.3 N/mm², calculated on the minimum root area of a castellated joint.

b) The shear keys rely on mechanical interlock and the development of a confined diagonal compressive strut across the shear plane. A taper is provided for the keys to facilitate removal of formwork. This also assists in confining the concrete in the cast in situ r.c. columns. The interfaces are prevented from moving apart by the R10-300 dowel bars (500mm long) spaced at every corresponding shear key position of 300 mm c/c. Current detailing indicates shorter anchorage length in the precast wall panels and longer into the cast in situ columns. Correct detailing should be of equal length of 250mm on both sides from the interface.

c) Based on the details of the castellated joint provided (see attached joint), the minimum root area is 32,160 mm² (201mm x 160mm).
 Hence, ultimate shear $V = 32,160 \times 1.3 / 10^3 = 41.8$ kN per key.

Page 1 of 3

Cadangan Pembinaan Kompleks Bank Gen Biji Benih Pertanian Di Ibu Pejabat Mardi, Serdang, Selangor
 - Supplementary Independent Checker Engineer's Report No. 5-1 on Shear Key Joints For Precast R.C. Wall Panels

The compressive strut force, C is estimated at 47 kN while the force normal to the shear joint, N is about 22 kN. As such, the compressive stress in concrete, $f_c = 47 \times 10^3 / 160 \times 79 = 3.72$ N/mm² (0.106 f_{cu}) is satisfactory while normal force, N of 22 kN tends to separate the panel, which in turn resisted by the R10 dowel bars. However, if the dowel bar is of mild steel, the capacity of anchorage is only estimated at $\pi \times 10 \times 1.66 \times 250 / 10^3 = 13$ kN which is inadequate to resist 22 kN for maximum ultimate shear stress of 1.3 N/mm². Therefore, the shear capacity should be proportionately reduced to 41.8 kN x 13 / 22 = 24.7 kN per key if the dowel shear is of mild steel.

Nevertheless, if the T10 dowel bars are used, the anchorage force is estimated at $\pi \times 10 \times 2.96 \times 250 / 3 = 23$ kN per key and the ultimate shear capacity can remain at 41.8 kN per key

d) Further enhancement of shear capacity can be achieved by calculating the dowel shear in accordance with Clause 3.3.7 (d) of BS 8110, Part 1.

The shear force, V should not exceed the value given by

$$V = 0.6 F_t \tan \phi$$

Where

F_t is 0.95 $f_t A_n$, or the anchorage value of the reinforcement, whichever is lesser
 $F_t = 13$ kN for $f_t = 250$ N/mm² ($f_t = 0.28 \sqrt{35} = 1.66$ N/mm²)
 and
 $F_t = 23$ kN for $f_t = 460$ N/mm² ($f_t = 0.5 \sqrt{35} = 2.96$ N/mm²)
 based on 10 mm bar of anchorage length of 250 mm

Page 2 of 3

Cadangan Pembinaan Kompleks Bank Gen Biji Benih Pertanian Di Ibu Pejabat Mardi, Serdang, Selangor
 - Supplementary Independent Checker Engineer's Report No. 5-1 on Shear Key Joints For Precast R.C. Wall Panels

A_n is the minimum area of dowel reinforcement

ϕ is the angle of internal friction between the faces of the joint. $\tan \phi$ is 1.7 from Table 5.3 of BS 8110 ; Part 1. However, this $\tan \phi$ is best determined by tests under Research and Development if possible.

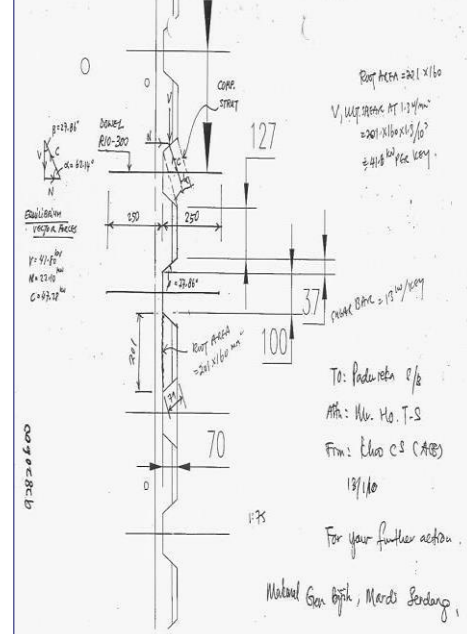
It is interesting to note that $0.6 \tan \phi = 1.0$ and $V = F_t$.

e) The total ultimate shear capacity of the shear key joint is assessed as follows :-

From (c) above, for R10 dowel, $V_u = 24.7$ kN
 From (d) above, for R10 dowel, $V_u = 13$ kN
 Total, $V_u = 37.7$ kN per key

The number of effective keys times 37.7 kN shall determine the ultimate shear capacity of the shear key joint of a precast r.c. wall panel.

Page 3 of 3



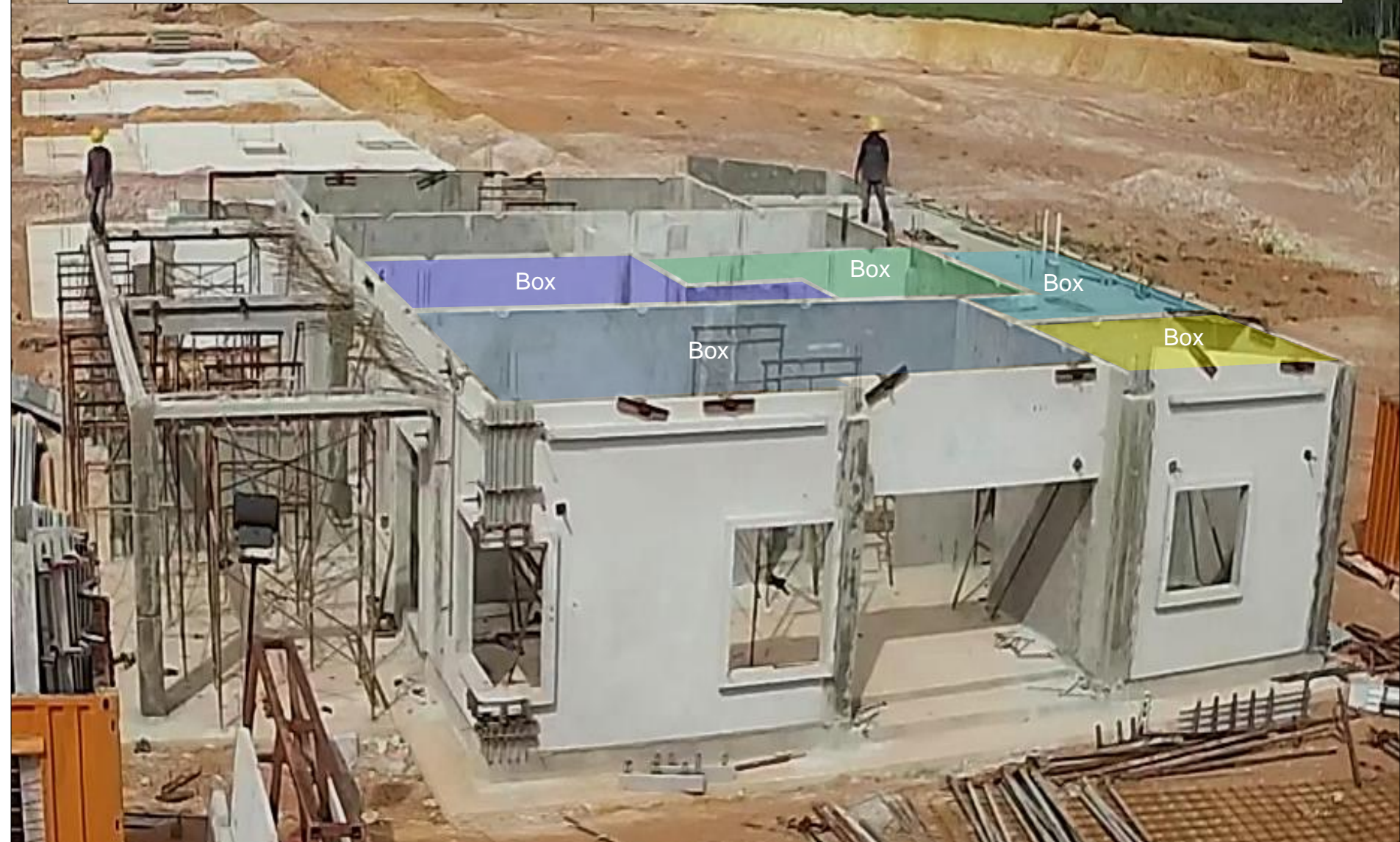
Real Industrialised Building System Provider

Monolithic wall, *Modular* Shear Keys (wet joint) with *Multi-box* system



Real Industrialised Building System Provider

Monolithic wall, *Modular* Shear Keys (wet joint) with *Multi-box* system



**IBS ONE STOP SOLUTION SPECIALIST IN SUPPLY & INSTALL
SUPERSTRUCTURE WORKS (FRAME & WALL)**

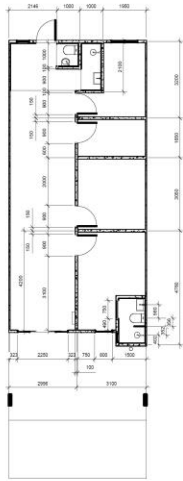
INDUSTRIALISED BUILDING SYSTEM (IBS) CONCEPT

HC Precast System Drawings

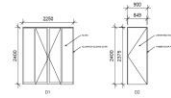
PROJECT:

**PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
SETINGKAT DI ATAS LOT: , MUKIM JUASSEH,
DAERAH KUALA PILAH, NEGERI SEMBILAN DARUL KHUSUS**

Conversion of Original Architectural Layout
Plan & Elevation to HCPS IBS Drawings

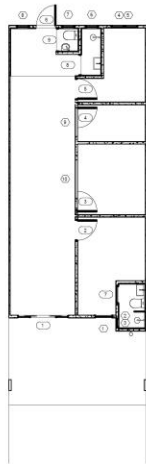


Door Schedule						
Mark	Family	Type	Type Mark	Rough Height	Rough Width	Comments
1	Four_Panel_Sliding_door_11160	Aluminium Sliding Door 2250 x 2400	D1	2400	2250	CUSTOM LEAVE SPACE
2	Door with wooden frame	900 x 2400mm	D2	2400	900	RH
3	Door with wooden frame	900 x 2400mm	D2	2400	900	LH
4	Door with wooden frame	900 x 2400mm	D2	2400	900	RH
5	Door with wooden frame	900 x 2400mm	D2	2400	900	LH
6	Door with wooden frame	900 x 2400mm	D2	2400	900	RH
7	Aluminium Door	Aluminium 750 x 2400mm	DCUSTOM	2400	750	CUSTOM LEAVE SPACE
8	Aluminium Door	Aluminium 900 x 2500mm	D14	2500	900	CUSTOM LEAVE SPACE
9	Aluminium Door	Aluminium 1000 x 2500mm	D13	2500	1000	CUSTOM LEAVE SPACE



1 Layout Setting Out Plan

3 Door Schedule

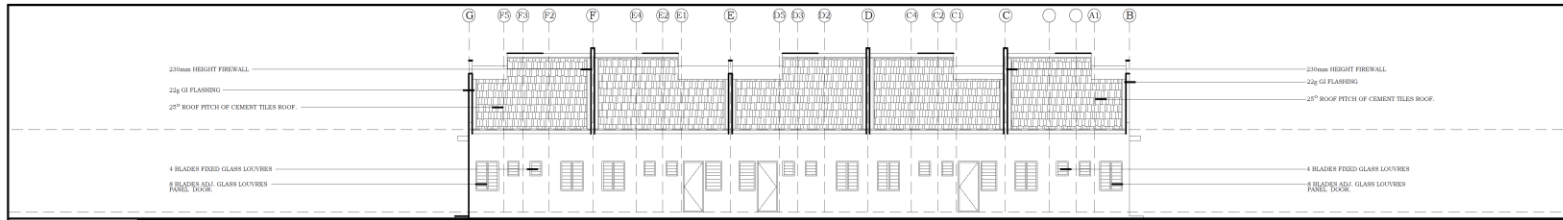


Window Schedule					
Mark	Family	Type	Width	Height	Sill Height
1	Aluminum Window	800 x 2400	800	2400	0
2	Aluminum Window	425 x 800	425	800	1800
3	Aluminum Window	425 x 800	425	800	1000
4	Aluminum Window	600 x 1400	600	1400	1000
5	Aluminum Window	600 x 1400	600	1400	1000
6	Aluminum Window	600 x 600	600	600	1800
7	Aluminum Window	600 x 600	600	600	1800
8	Aluminum Window	600 x 1400	600	1400	1000
9	Aluminum Window	1200 x 1000	1200	1000	150
10	Aluminum Window	1600 x 1000	1600	1000	150

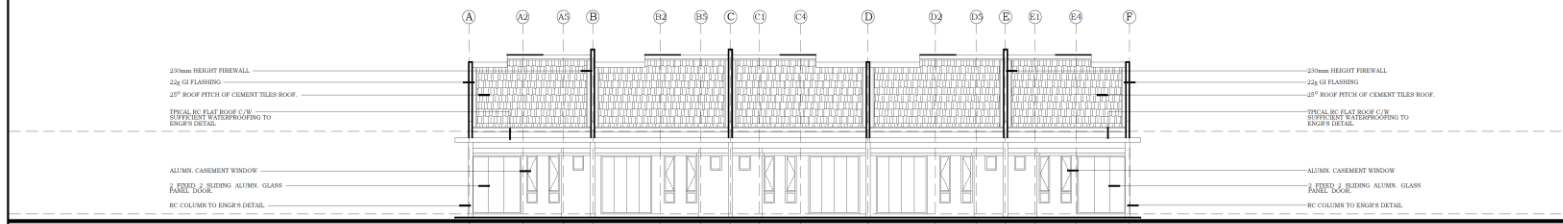


4 Window Schedule

2 Level 1 Door & Window Schedule



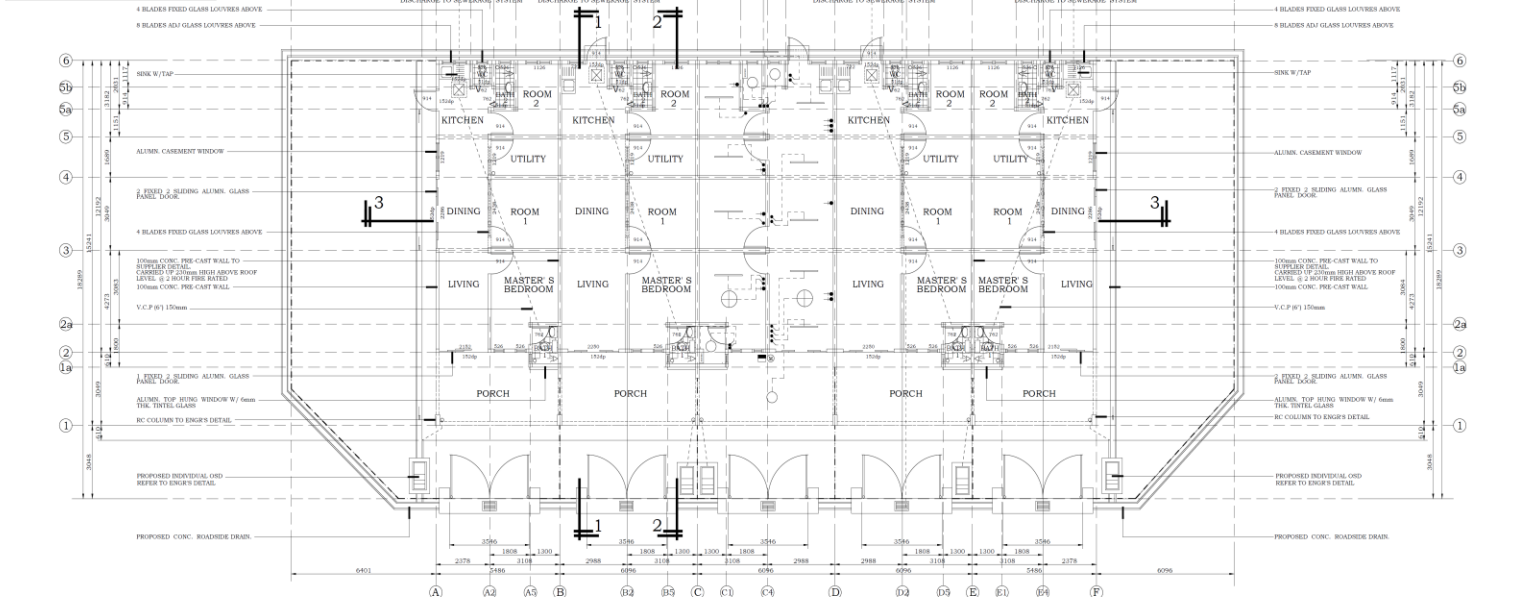
3. REAR ELEVATION.



2. FRONT ELEVATION.

POPULATION EQUIVALENT CALCULATION
 1 UNIT = 5 P.E.
 10 UNITS = 10 X 5 P.E.
 = 50 P.E.

CALCULATION OF VENTILATION			
ROOMS	NET AREA	NO. OF WINDOWS	AREA OF WINDOW
KITCHEN	4.2 x 3.0 m	1	0.7 x 1.0 m
ROOM 1	4.2 x 3.0 m	1	0.7 x 1.0 m
ROOM 2	4.2 x 3.0 m	1	0.7 x 1.0 m
LIVING	4.2 x 3.0 m	1	0.7 x 1.0 m
DINING	4.2 x 3.0 m	1	0.7 x 1.0 m
UTILITY	4.2 x 3.0 m	1	0.7 x 1.0 m
BATH	4.2 x 3.0 m	1	0.7 x 1.0 m
TOILET	4.2 x 3.0 m	1	0.7 x 1.0 m
W.C.P	4.2 x 3.0 m	1	0.7 x 1.0 m
PORCH	4.2 x 3.0 m	1	0.7 x 1.0 m



1. FLOOR PLAN.

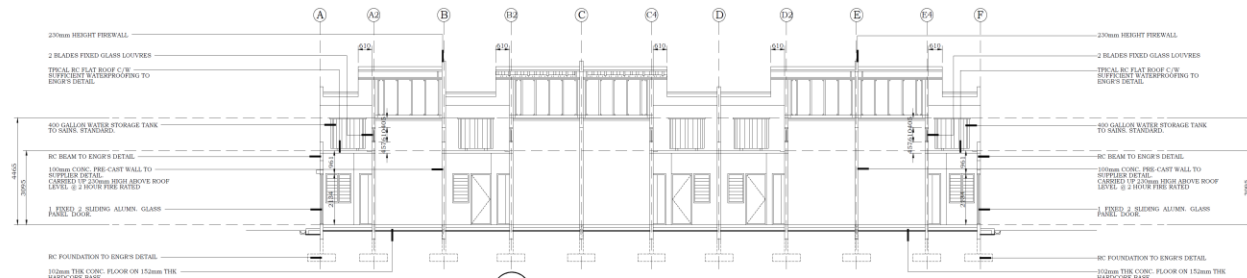
PELAN INI MENGGANDUNGI HAKPIPTA
 Konstruktor berkekuasaan membuat dimensi yang di dalam rajah.
 Semua dimensi berkekuasaan diperibaskan di tempat itu juga.
 Sebarang perubahan yang terdapat hendaklah diberitahukan
 kepada arkitek sebelum kerja pembangunan dilaksanakan.

TAMDATANGAN PEMILIK / PEMAUJ

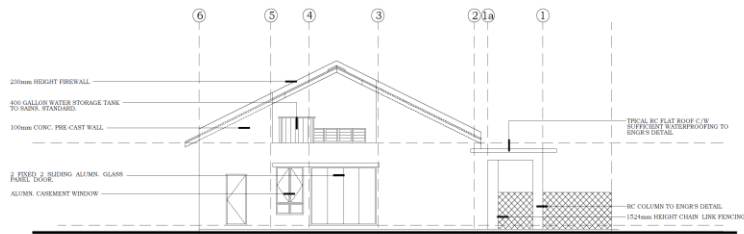
TAJUK PROJEK
**PERMOHONAN KELULUSAN PELAN
 BANGUNAN BAGI CADANGAN
 MENDIRIKAN 10 UNIT RUMAH
 TERES SETINGKAT DI ATAS**

TYPE A- 4 UNIT (18' x 60')
 TYPE B- 6 UNIT (20' x 60')

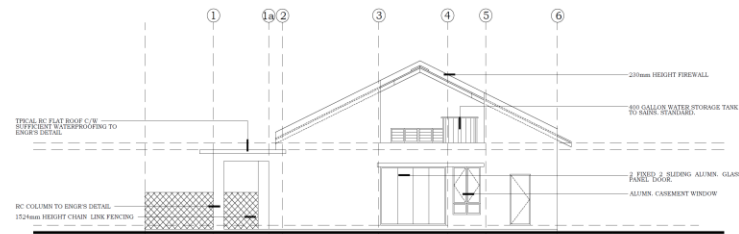
**MUKIM JUASHEH
 DAERAH KUALA PILAH
 NEGERI SEMBILAN DARUL KHUSUS**



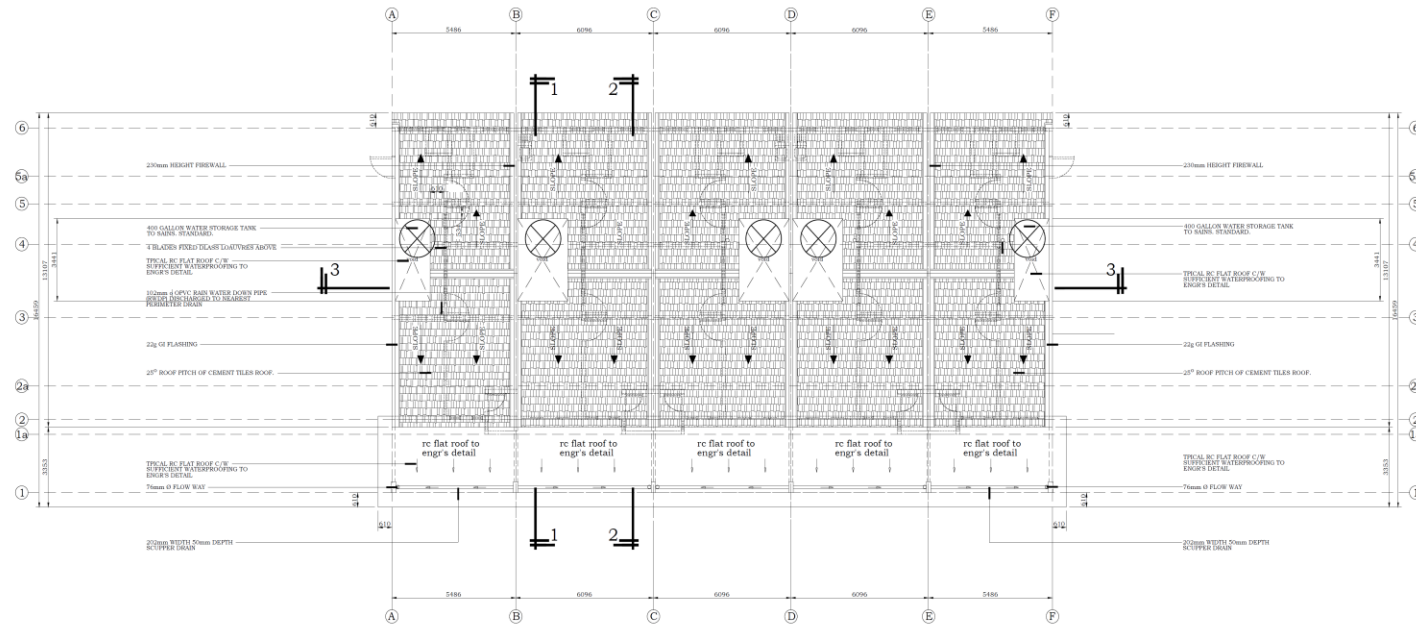
4. SECTION 3-3.



2. LEFT ELEVATION.



3. RIGHT ELEVATION.



PELAN INI MENGGANDUNGI HAKCIPTA

Konstraktor berkebalah menyalah dimastu yang di dalam rajah. Segala dimastu berkebalah diperibsa di tempat itu juga. Sebarang bangunan yang terapan berkebalah diperibsa kepada arsitek sebelum kerja pembangunan dilaksanakan.

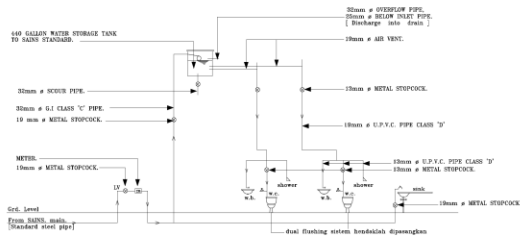
TANDATANGAN PEMILIK / PEMAJU

TAJUK PROJEK

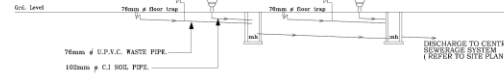
PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES SETINGKAT DI ATAS

TYPE A- 4 UNIT (18' x 60')
TYPE B- 6 UNIT (20' x 60')

**MUKIM JUASHEH
DAERAH KUALA PILAH
NEGERI SEMBILAN DARUL KHUSUS**



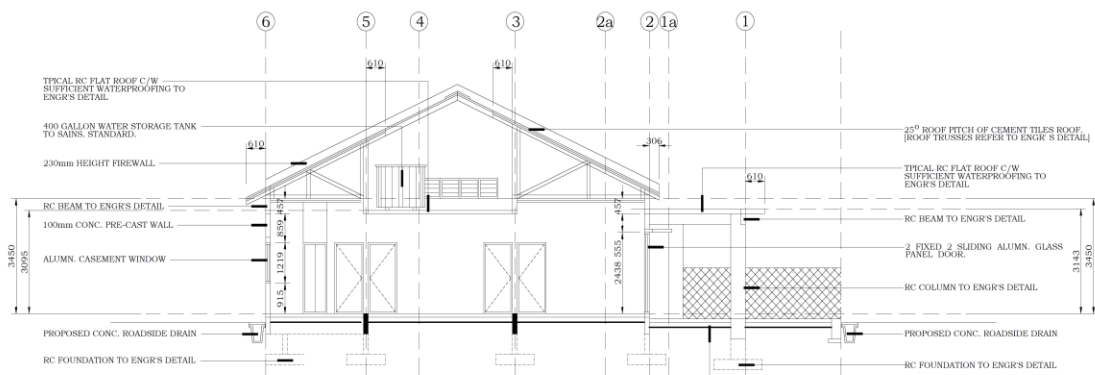
3. PLUMBING LAYOUT.
SCALE: NOT TO SCALE



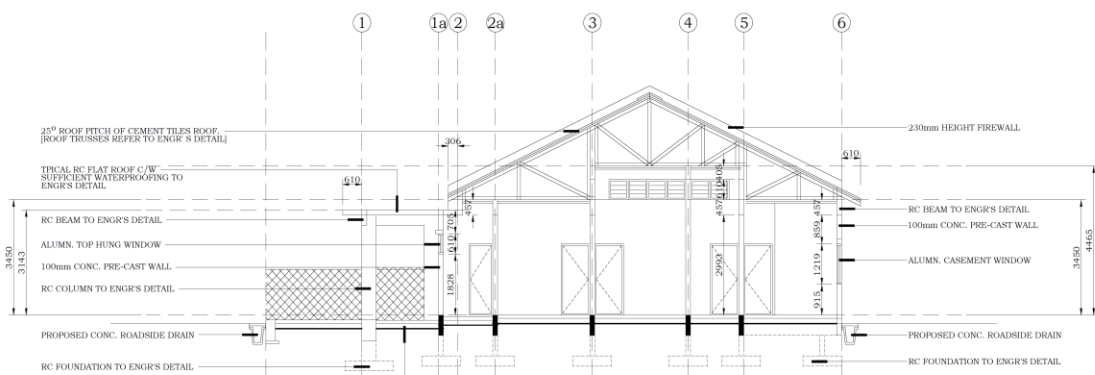
4. SANITARY LAYOUT.
SCALE: NOT TO SCALE

- NOTES:-
1. ALL CONCEALED PLUMBING TO BE INSPECTED BY SAINS BEFORE WALL PLASTERING.
 2. METER POSITION TO BE INFROKNT NEAR GATE.
 3. LICENSED PLUMBER WILL SUBMIT PLUMBING DIAGRAM IN ACCORDANCE WITH THE NS WATER SUPPLY RULES FOR APPROVAL AS POSSIBLE AND COMMENCEMENT OF WORK.

TANDATANGAN PEMILIK / PEMAJU



2. SECTION 2-2.

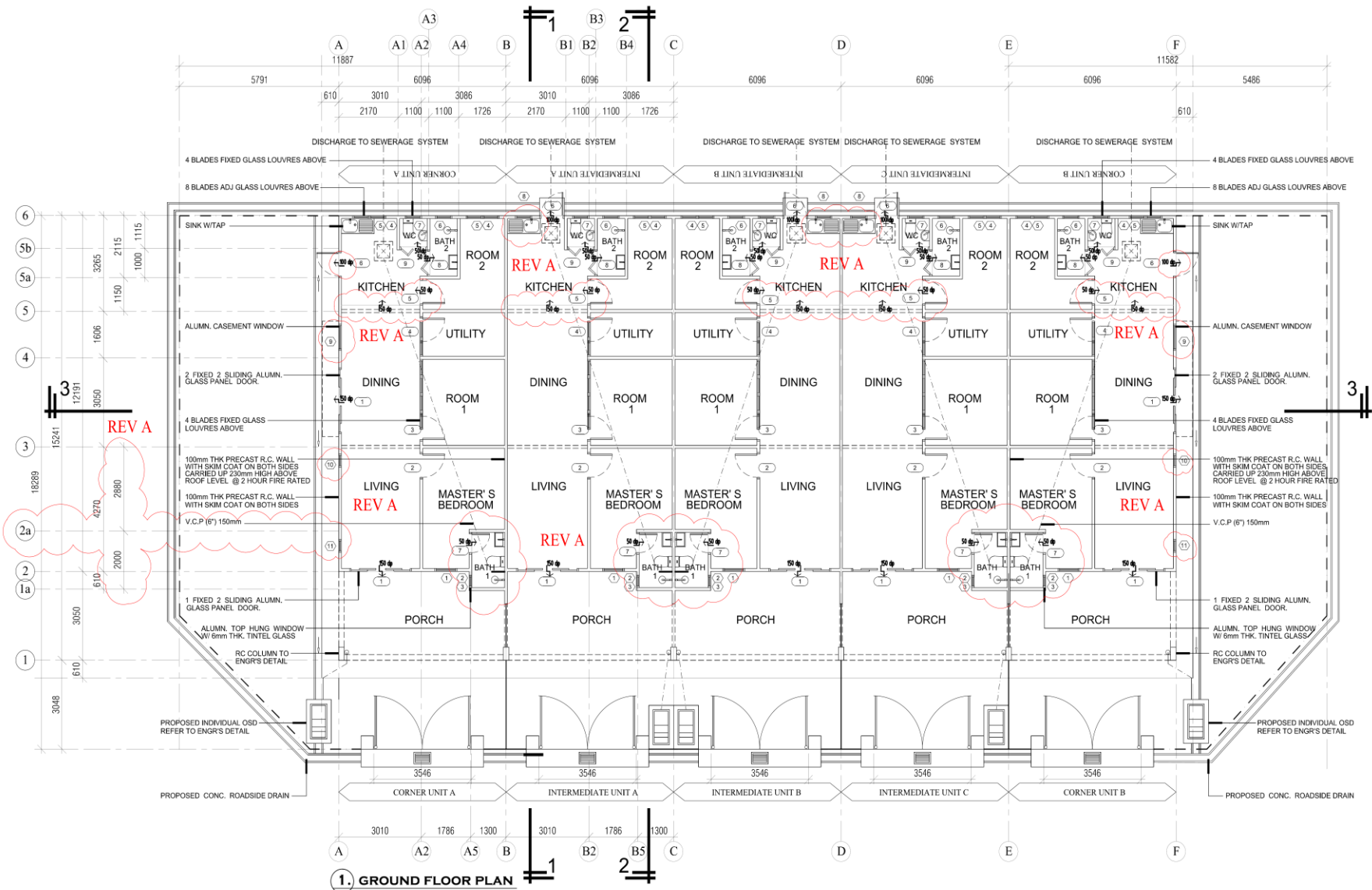


1. SECTION 1-1.

TAJUK PROJEK
PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES SETINGKAT DI ATAS

TYPE A- 4 UNIT (18' x 60')
TYPE B- 6 UNIT (20' x 60')

MUKIM JUASSEH
DAERAH KUALA PILAH
NEGERI SEMBILAN DARUL KHUSUS



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DATE : **NOV 2019**

CHECKED : **MENG**

EXAM'D : **MENG**

APP'V'D : **MENG**

SCALE : **NTS**

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI

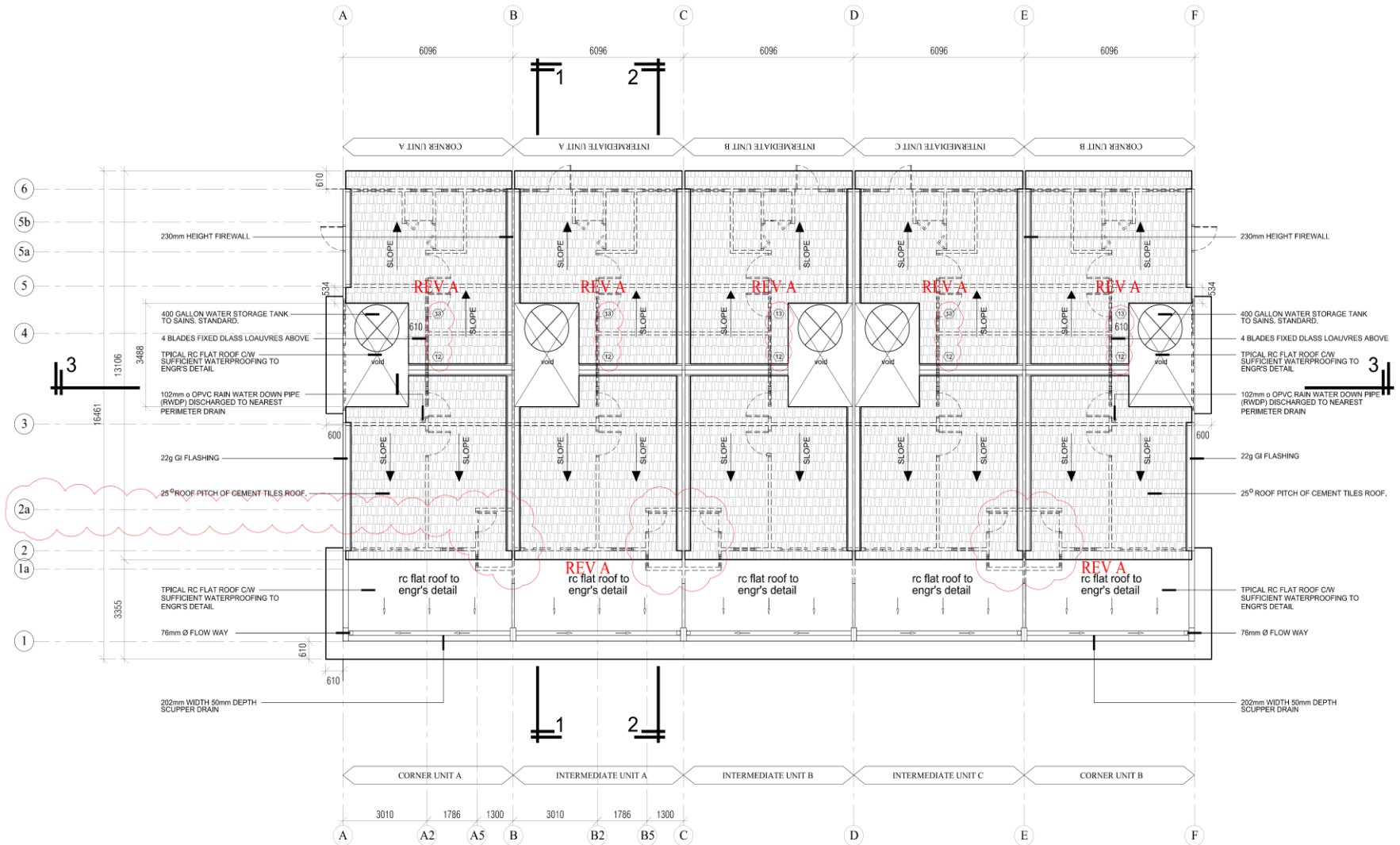
CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
SETINGKAT DI ATAS LOT : , MUKIM JUASSERH,
DAERAH KUALA PILAH,
NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE

**SINGLE STOREY TERRACE HOUSE
OVERALL - ARCHITECTURAL LAYOUT
GROUND FLOOR PLAN**

DRAWING NO : **HC/** REV : **A**

SYSTEM : **-** REV : **-**



2. ROOF PLAN

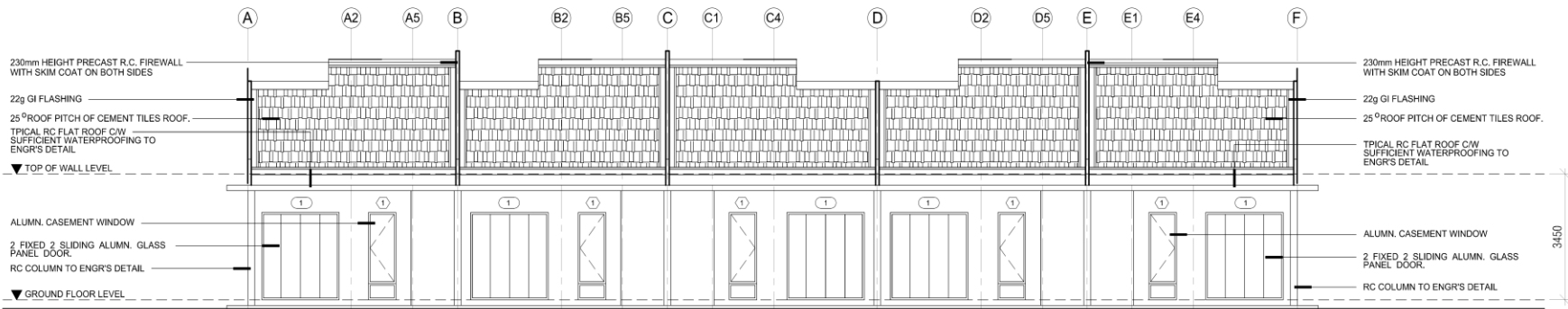
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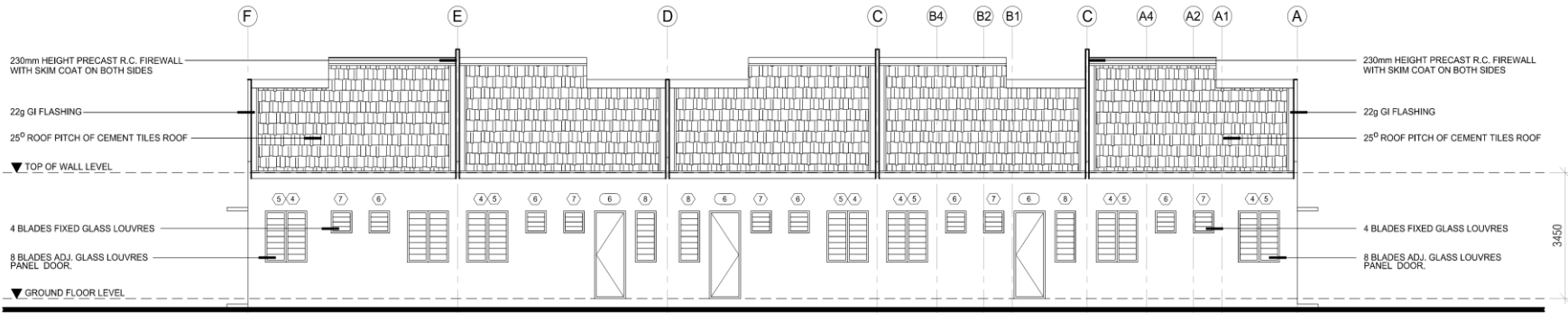
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SCALE :	NTS

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
 CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
 SETINGKAT DI ATAS LOT : , MUKIM JUASSERH,
 DAERAH KUALA PILAH,
 NEGERI SEMBILAN DARUL KHUSUS

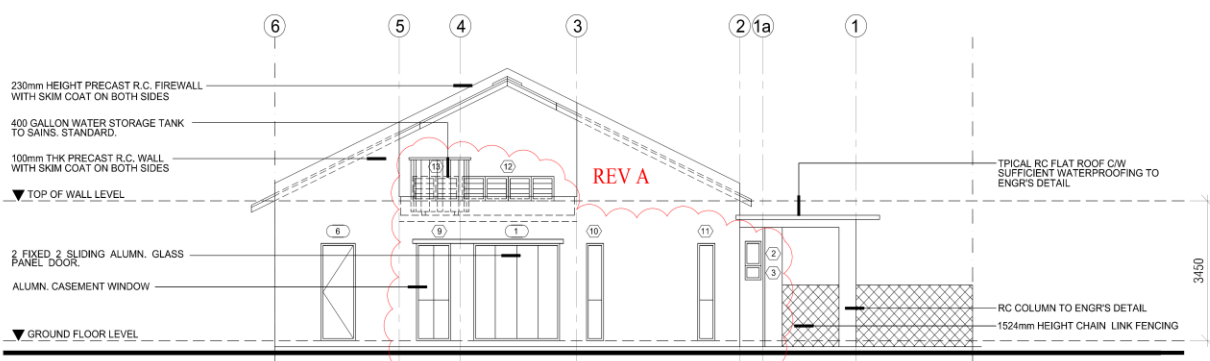
DRAWING TITLE	
SINGLE STOREY TERRACE HOUSE OVERALL - ARCHITECTURAL LAYOUT ROOF PLAN	
DRAWING NO :	REV :
HC/	A
SYSTEM :	REV :
-	-



3. FRONT ELEVATION



4. REAR ELEVATION



5. LEFT ELEVATION

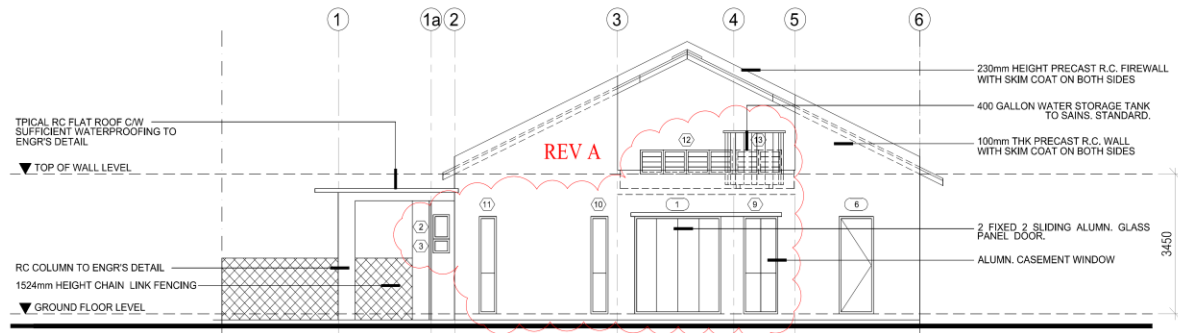
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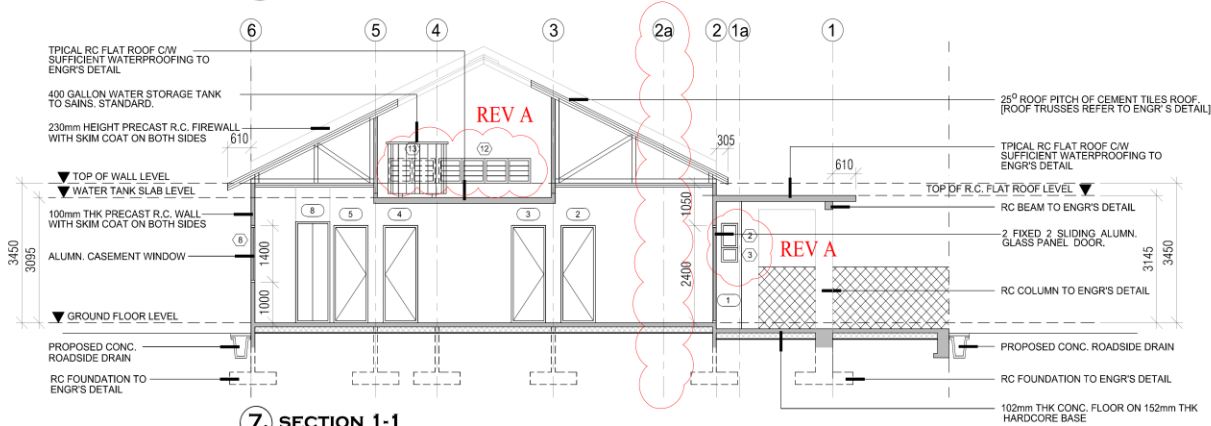
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PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
 CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
 SETINGKAT DI ATAS LOT : , MUKIM JUASSERH,
 DAERAH KUALA PILAH,
 NEGERI SEMBILAN DARUL KHUSUS

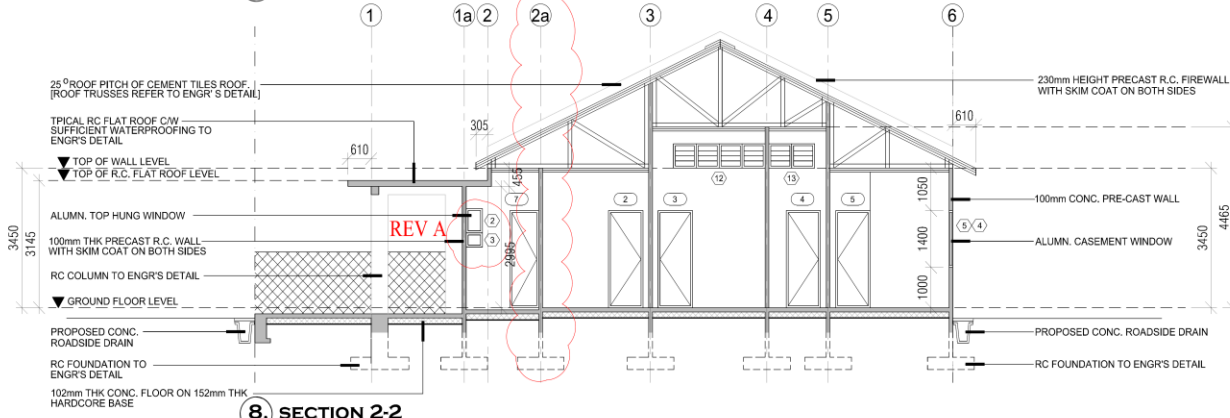
DRAWING TITLE	
SINGLE STOREY TERRACE HOUSE OVERALL - ARCHITECTURAL LAYOUT ELEVATIONS	
DRAWING NO :	REV :
HC/	A
SYSTEM :	REV :
-	-



6. RIGHT ELEVATION



7. SECTION 1-1



8. SECTION 2-2

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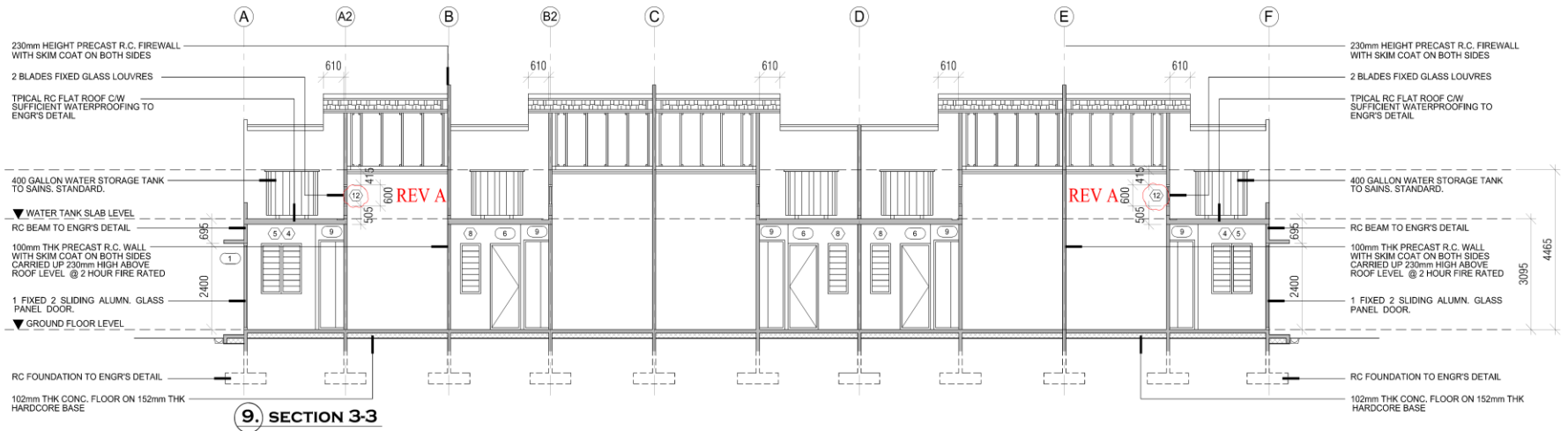
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APP'V'D :	MENG
SCALE :	NTS

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES SETINGKAT DI ATAS LOT : , MUKIM JUASSERH, DAERAH KUALA PILAH, NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :	SINGLE STOREY TERRACE HOUSE OVERALL - ARCHITECTURAL LAYOUT RIGHT ELEVATIONS & SECTIONS		
DRAWING NO. :	HC/	REV :	A
SYSTEM :	-	REV :	-



9. SECTION 3-3

Window Schedule

Mark	Family	Type	Width	Height	Sill Height
1	Aluminum Window	800 x 2400	800	2400	0
2	Aluminum Window	425 x 600	425	650	1850
3	Aluminum Window	425 x 350 REV A	425	350 REV A	1500
4	Aluminum Window	600 x 1400	600	1400	1000
5	Aluminum Window	600 x 1400	600	1400	1000
6	Aluminum Window	600 x 600	600	600	1800
7	Aluminum Window	600 x 600	600	600	1800
8	Aluminum Window	600 x 1400	600	1400	1000
9	Aluminum Window	900 x 2400	900	2400	0
10	Aluminum Window	450 x 2400	450	2400	0
11	Aluminum Window	450 x 2400	450	2400	0
12	Aluminum Window	2400 x 600	2400	600	3450
13	Aluminum Window	1200 x 600	1200	600	3450

REV A

Door Schedule

Mark	Family	Type	Type Mark	Rough Height	Rough Width	Comments
1	Four_Panel_Sliding_door_11160	Aluminium Sliding Door 2250 x 2400	D1	2400	2250	CUSTOM, LEAVE SPACE
2	Door with wooden frame	900 x 2400mm	D2	2400	900	RH
3	Door with wooden frame	900 x 2400mm	D2	2400	900	LH
4	Door with wooden frame	900 x 2400mm	D2	2400	900	RH
5	Door with wooden frame	900 x 2400mm	D2	2400	900	LH
6	Door with wooden frame	900 x 2400mm	D2	2400	900	RH
7	Aluminium Door	Aluminium 750 x 2400mm	DCUSTOM	2400	750	CUSTOM, LEAVE SPACE
8	Aluminium Door	Aluminium 900 x 2500mm	D14	2500	900	CUSTOM, LEAVE SPACE
9	Aluminium Door	Aluminium 1000 x 2500mm	D13	2500	1000	CUSTOM, LEAVE SPACE

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APP'D BY: **MENG**

SCALE: **NTS**

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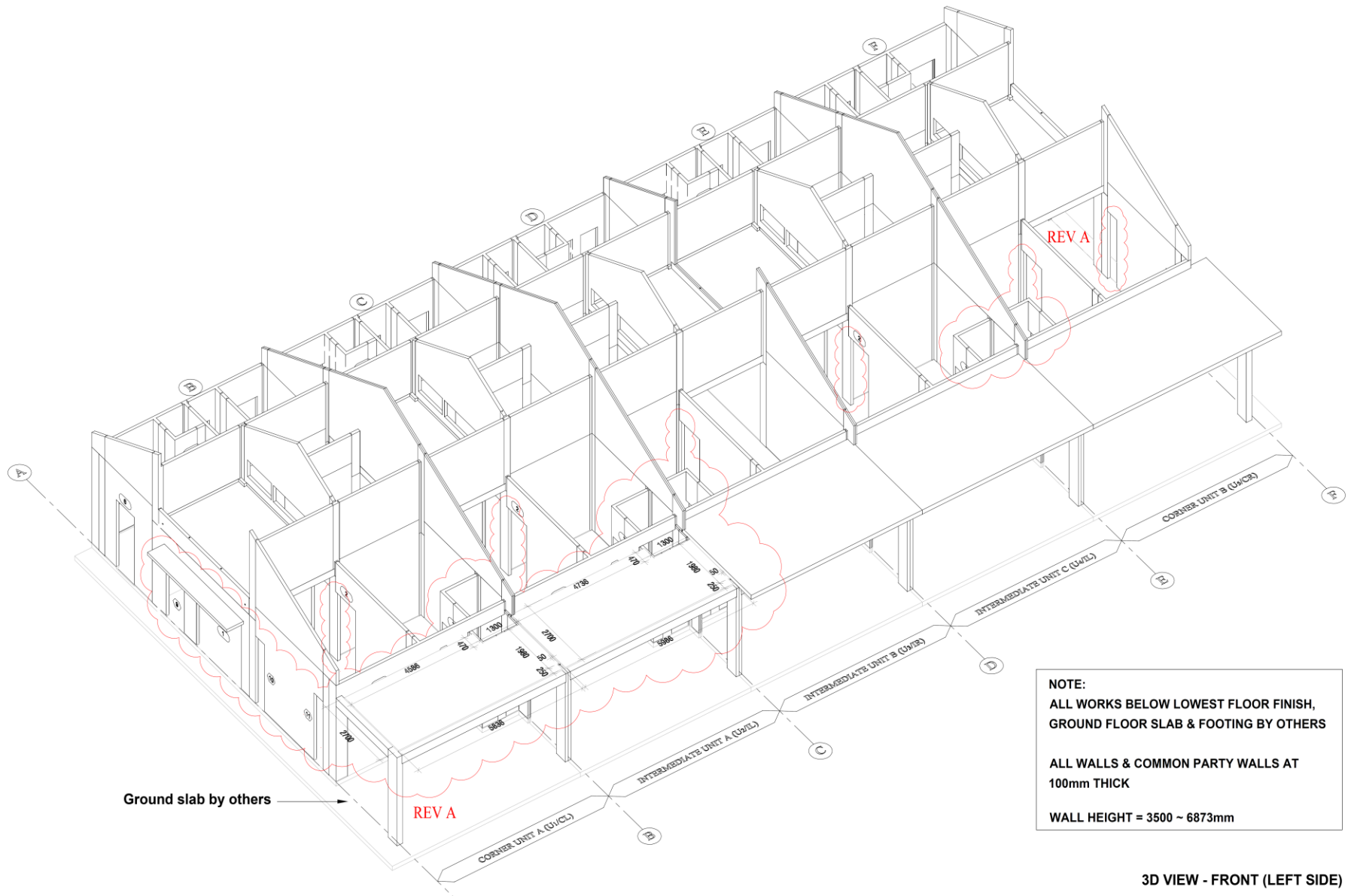
SINGLE STOREY TERRACE HOUSE
OVERALL - ARCHITECTURAL LAYOUT
SECTION 3-3, WINDOW & DOOR SCHEDULE

DRAWING NO: **HC/** REV: **A**

SYSTEM: **-** REV: **-**

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
SETINGKANG DI ATAS LOT: , MUKIM JUASSERH,
DAERAH KUALA PILAH,
NEGERI SEMBILAN DARUL KHUSUS

Full 3D Built-up Digital Model Drawing



NOTE:
**ALL WORKS BELOW LOWEST FLOOR FINISH,
 GROUND FLOOR SLAB & FOOTING BY OTHERS**

**ALL WALLS & COMMON PARTY WALLS AT
 100mm THICK**

WALL HEIGHT = 3500 ~ 6873mm

3D VIEW - FRONT (LEFT SIDE)

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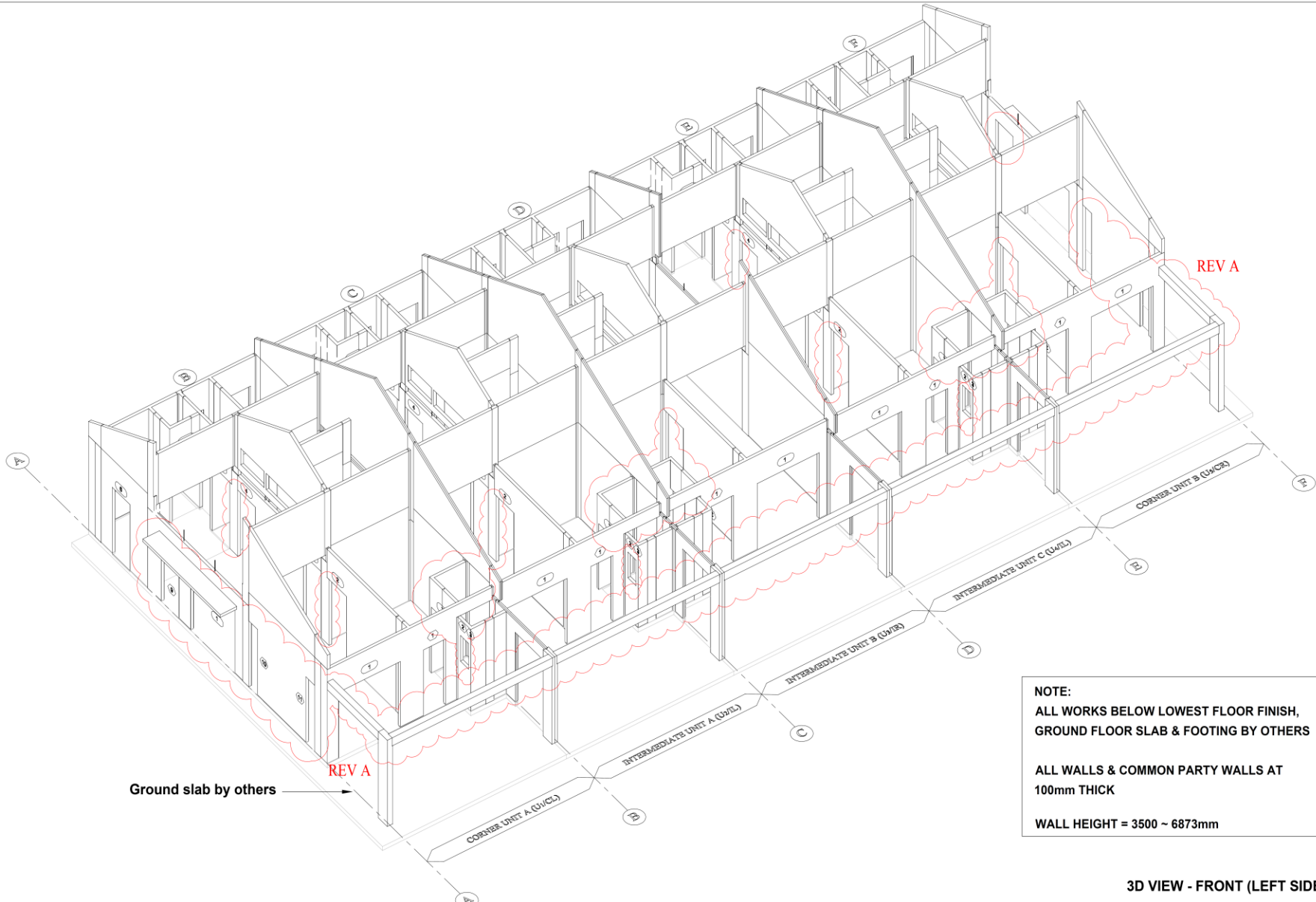
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SCALE :	NTS

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
 CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
 SETINGKAT DI ATAS LOT , MUKIM JUASSEI,
 DAERAH KUALA PILAH,
 NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :	
SINGLE STOREY TERRACE HOUSE OVERALL 3D DRAWING	
DRAWING NO :	REV :
HC/	A
SYSTEM :	REV :
-	-



NOTE:
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3D VIEW - FRONT (LEFT SIDE)

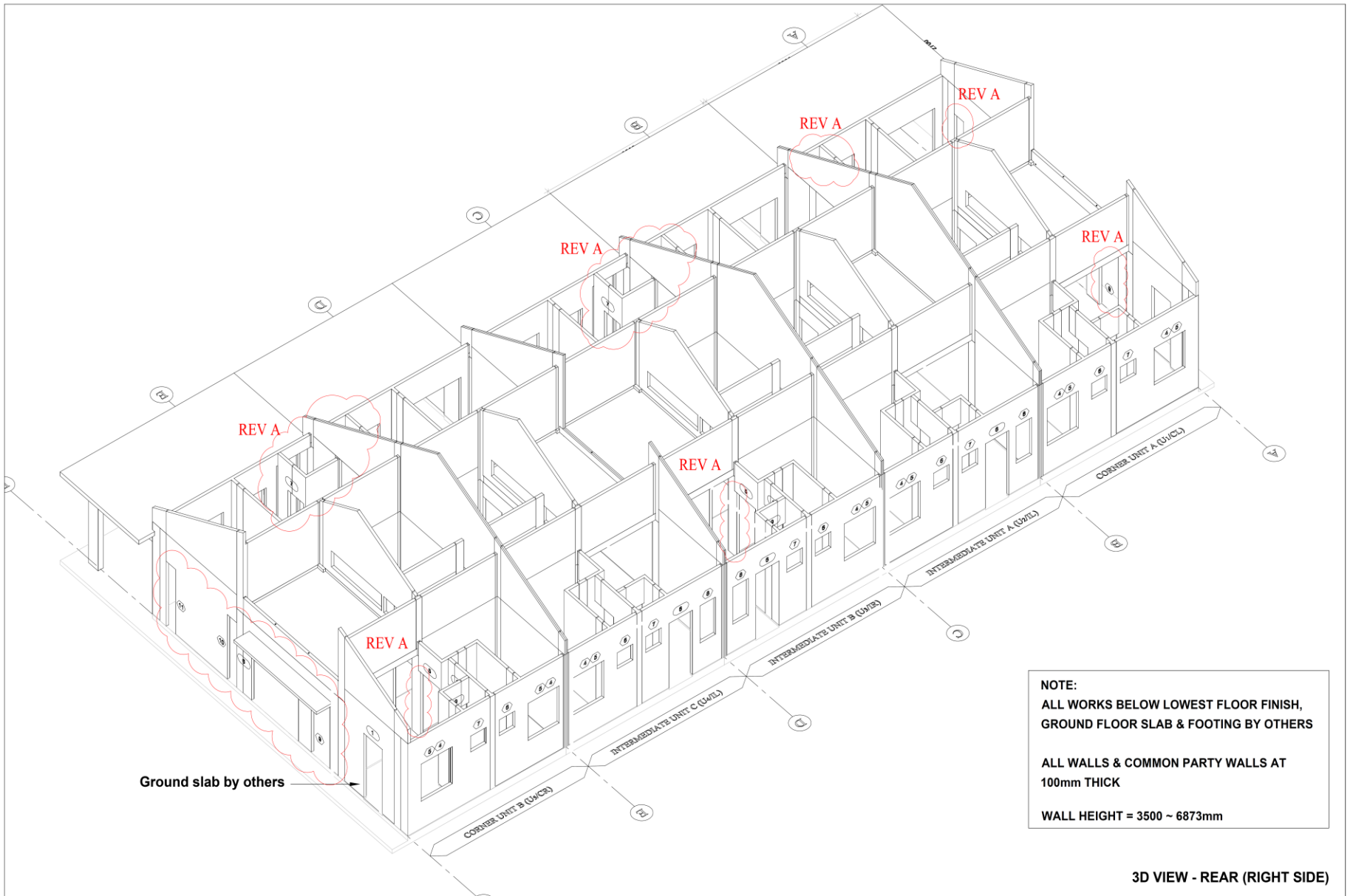
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APP'D :	MENG
SCALE :	NTS

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
 CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
 SETINGKAT DI ATAS LOT , MUKIM JUASSEI,
 DAERAH KUALA PILAH,
 NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :	SINGLE STOREY TERRACE HOUSE OVERALL (WITHOUT ROOF SLAB) 3D DRAWING		
DRAWING NO. :	HC/	REV :	A
SYSTEM :	-	REV :	-




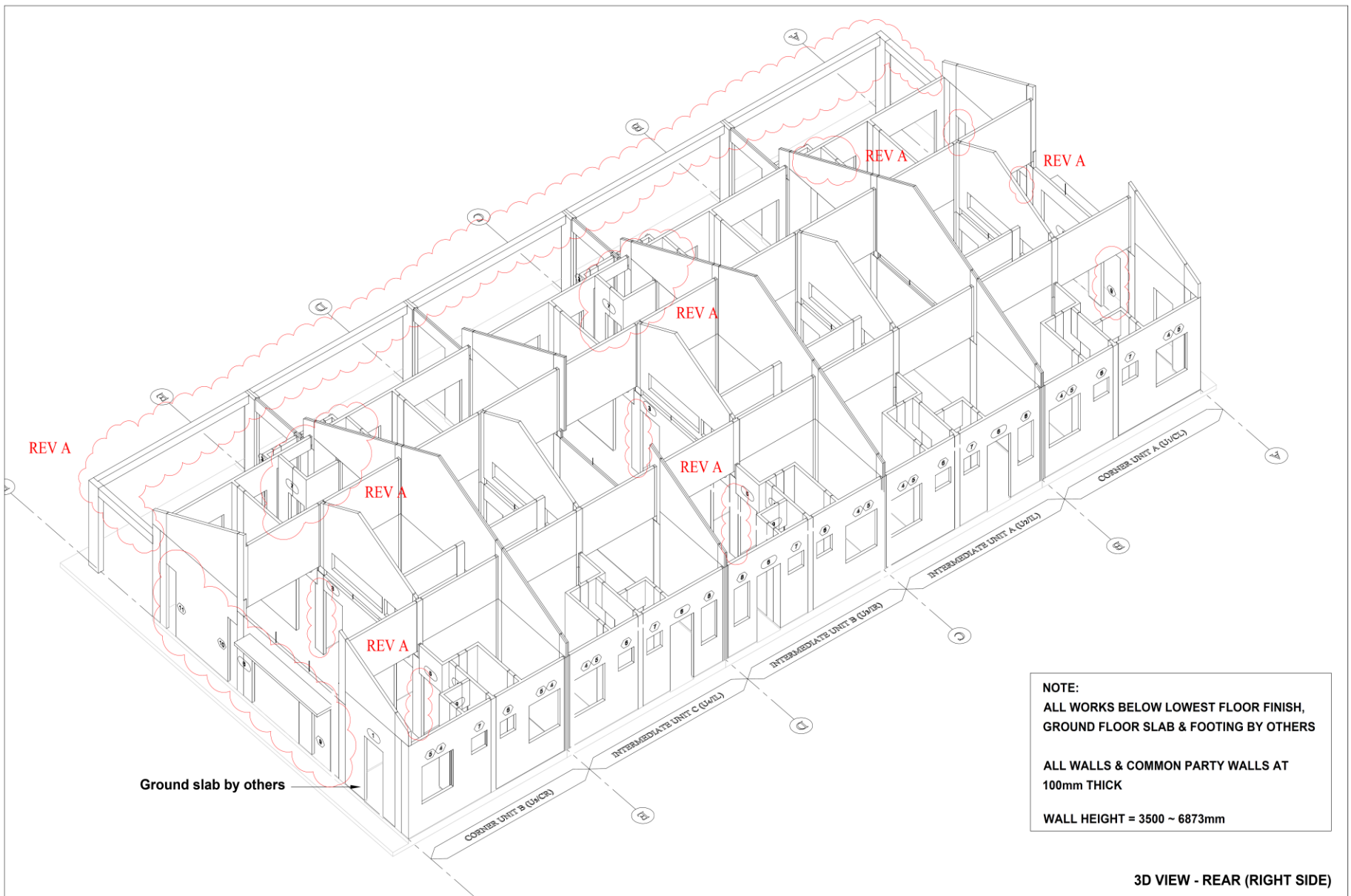
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ALL WALLS & COMMON PARTY WALLS AT 100mm THICK

WALL HEIGHT = 3500 ~ 6873mm

3D VIEW - REAR (RIGHT SIDE)

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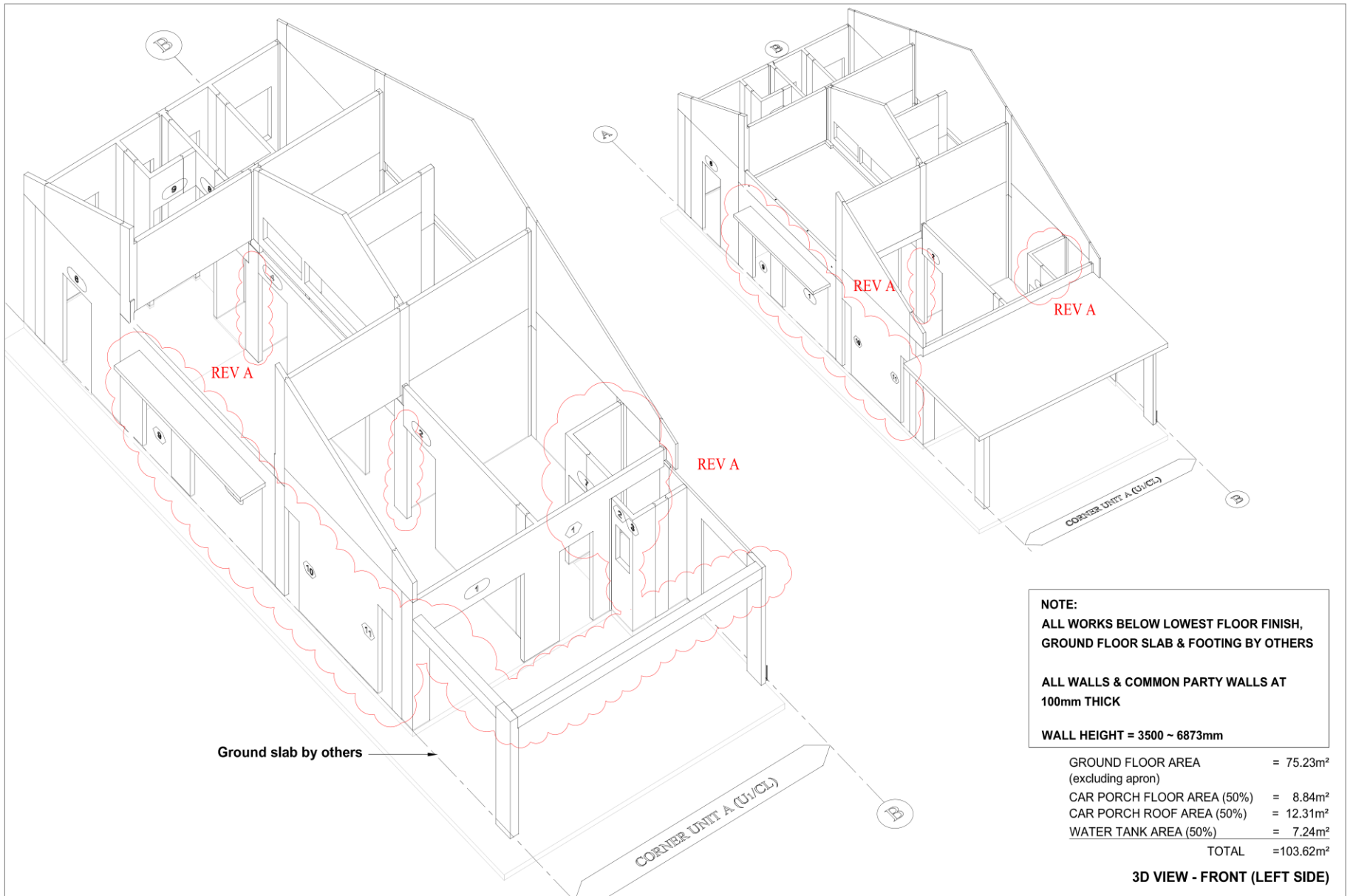
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APP'D :	MENG
SCALE :	NTS

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES SETINGKAT DI ATAS LOT , MUKIM JUASSEI, DAERAH KUALA PILAH, NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :	
SINGLE STOREY TERRACE HOUSE OVERALL (WITHOUT ROOF SLAB) 3D DRAWING	
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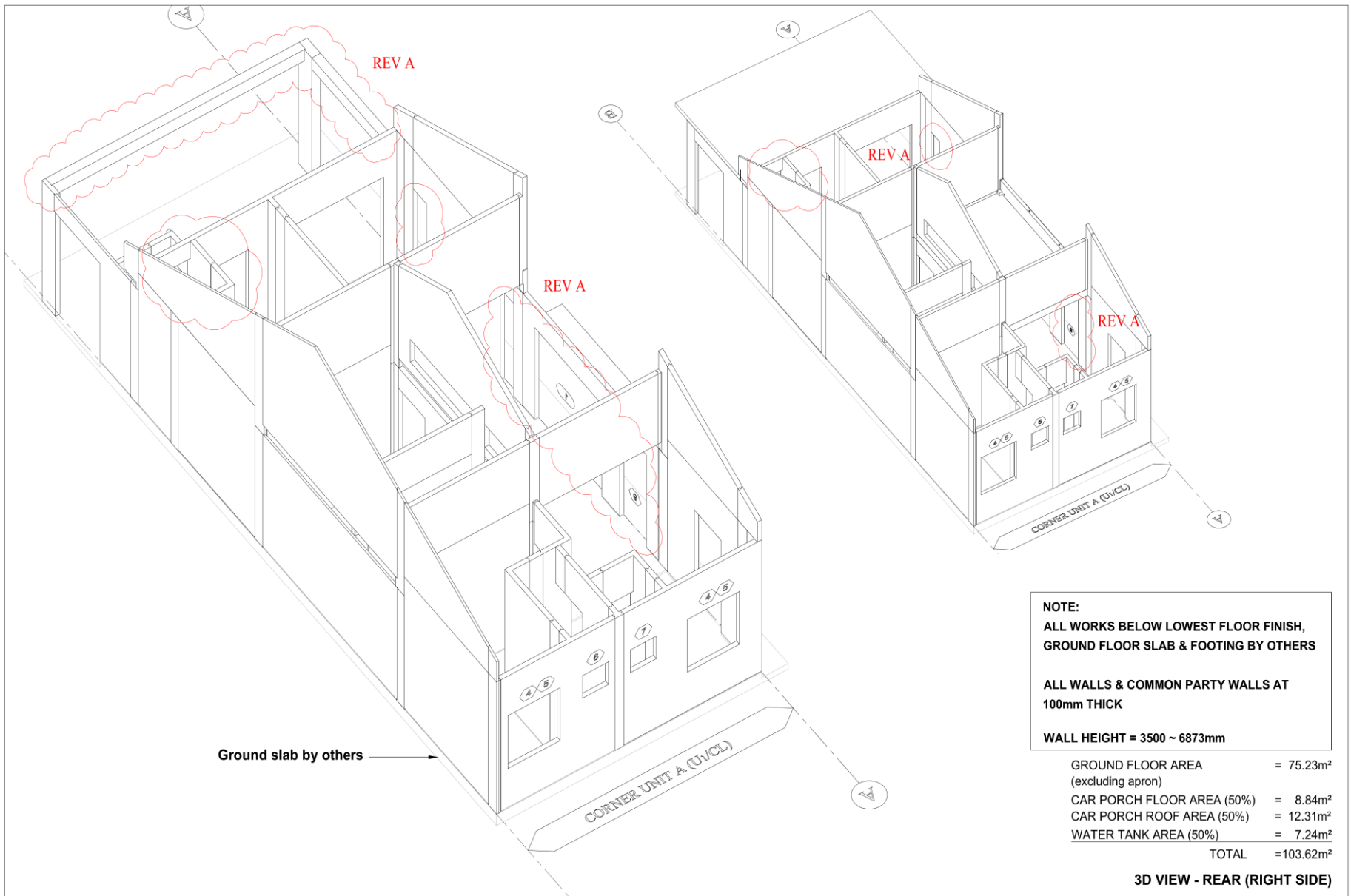
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EXAMD :	MENG
APPROD :	MENG
SCALE :	N/S

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES SETINGKAT DI ATAS LOT: , MUKIM JUASSEH, DAERAH KUALA PILAH, NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :	
SINGLE STOREY TERRACE HOUSE CORNER UNIT A 3D DRAWING	
DRAWING NO :	REV :
HC/	A
SYSTEM :	REV :
-	-




NOTE:
ALL WORKS BELOW LOWEST FLOOR FINISH, GROUND FLOOR SLAB & FOOTING BY OTHERS

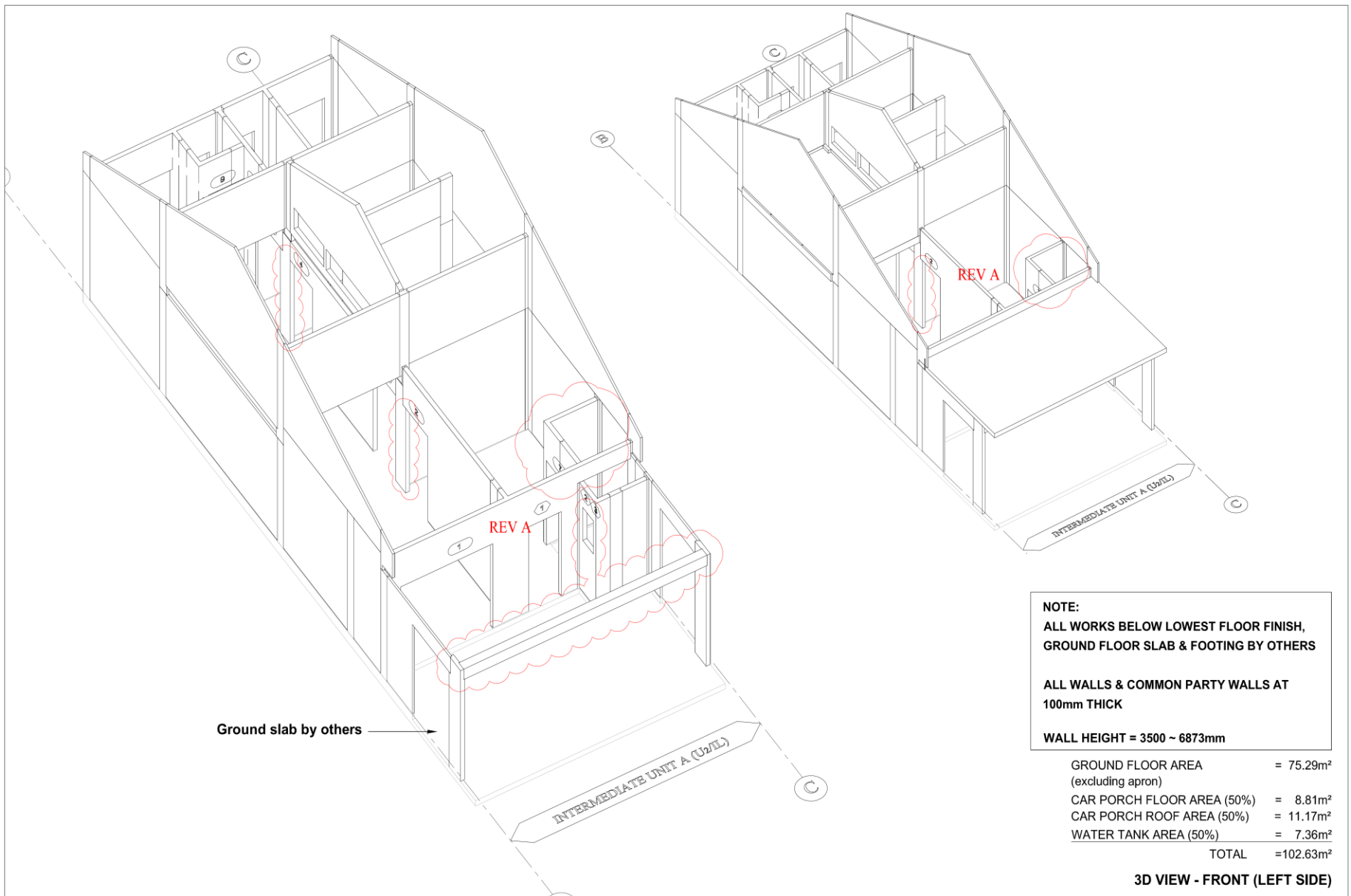
ALL WALLS & COMMON PARTY WALLS AT 100mm THICK

WALL HEIGHT = 3500 ~ 6873mm

GROUND FLOOR AREA (excluding apron)	=	75.23m ²
CAR PORCH FLOOR AREA (50%)	=	8.84m ²
CAR PORCH ROOF AREA (50%)	=	12.31m ²
WATER TANK AREA (50%)	=	7.24m ²
TOTAL	=	103.62m²

3D VIEW - REAR (RIGHT SIDE)

SYSTEM PROVIDER  HC PRECAST SYSTEM SDN. BHD. (586697-M) No.236, Jalan Seri Sarawak 208/KS2, Taman Seri Andalas, 41200 Klang, Selangor D.E. Tel:03-3325 8995 Fax:03-3325 8996 e-mail:enquiry@hccprecast.com.my, Http://www.hccprecast.com.my	MANUFACTURER HC MANUFACTURING SDN. BHD. (585570-T) Lot 1, Jalan Zurah 8, Pusat Perindustrian Zurah, Mukim Rasa, Daerah Hulu Selangor, 44200 Rasa, Selangor D.E. Tel:03-3325 8995 Fax:03-3325 8996	DRAWN : KC DATE : OCT 2019 CHECKED : MENG EXAMD : MENG APPRD : MENG SCALE : N/S	PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES SETINGKAT DI ATAS LOT : , MUKIM JUASSEH, DAERAH KUALA PILAH, NEGERI SEMBILAN DARUL KHUSUS	DRAWING TITLE : SINGLE STOREY TERRACE HOUSE CORNER UNIT A 3D DRAWING DRAWING NO : HC/ SYSTEM : -	REV : A REV : -
		DETAILS SHOWN IN THIS DRAWING ARE PROPERTY OF HC PRECAST SYSTEM & PROTECTED BY PATENTS. ALL COPYRIGHT ARE RESERVED. (US 6,829,870 B2) & (MY-124213-A)			



Ground slab by others →

NOTE:
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ALL WALLS & COMMON PARTY WALLS AT 100mm THICK

WALL HEIGHT = 3500 ~ 6873mm

GROUND FLOOR AREA (excluding apron)	=	75.29m ²
CAR PORCH FLOOR AREA (50%)	=	8.81m ²
CAR PORCH ROOF AREA (50%)	=	11.17m ²
WATER TANK AREA (50%)	=	7.36m ²
TOTAL	=	102.63m²

3D VIEW - FRONT (LEFT SIDE)

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HC PRECAST SYSTEM SDN. BHD. (586697-M)
 No.236, Jalan Seri Sarawak 209/A52, Taman Seri Ayalas,
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 e-mail:enq@hccprecast.com.my, Http://www.hccprecast.com.my

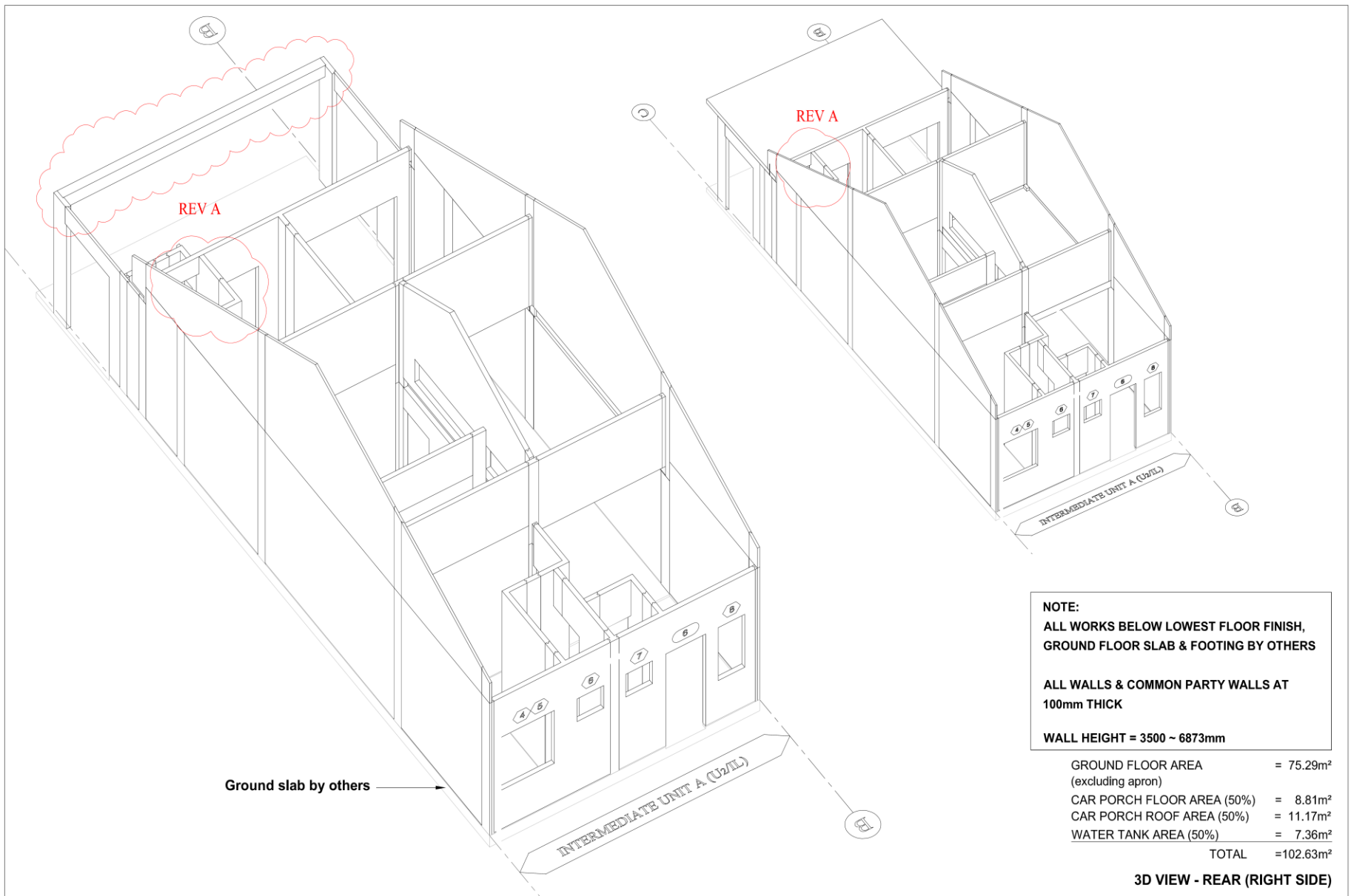
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 Daerah Hulu Selangor, 44200 Rasa, Selangor D.E.
 Tel:03-3325 8995 Fax:03-3325 8996

DRAWN :	KC
DATE :	OCT 2019
CHECKED :	MENG
EXAMD :	MENG
APPRD :	MENG
SCALE :	N/S

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES SETINGKAT DI ATAS LOT: , MUKIM JUASSEH, DAERAH KUALA PILAH, NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :	
SINGLE STOREY TERRACE HOUSE INTERMEDIATE UNIT A 3D DRAWING	
DRAWING NO :	REV :
HC/	A
SYSTEM :	REV :
-	-



NOTE:
ALL WORKS BELOW LOWEST FLOOR FINISH, GROUND FLOOR SLAB & FOOTING BY OTHERS

ALL WALLS & COMMON PARTY WALLS AT 100mm THICK

WALL HEIGHT = 3500 ~ 6873mm

GROUND FLOOR AREA (excluding apron)	= 75.29m ²
CAR PORCH FLOOR AREA (50%)	= 8.81m ²
CAR PORCH ROOF AREA (50%)	= 11.17m ²
WATER TANK AREA (50%)	= 7.36m ²
TOTAL	=102.63m²

3D VIEW - REAR (RIGHT SIDE)

SYSTEM PROVIDER
HC PRECAST SYSTEM SDN. BHD. (586697-M)
 No.236, Jalan Seri Sarawak 209/KS2, Taman Seri Ayalas,
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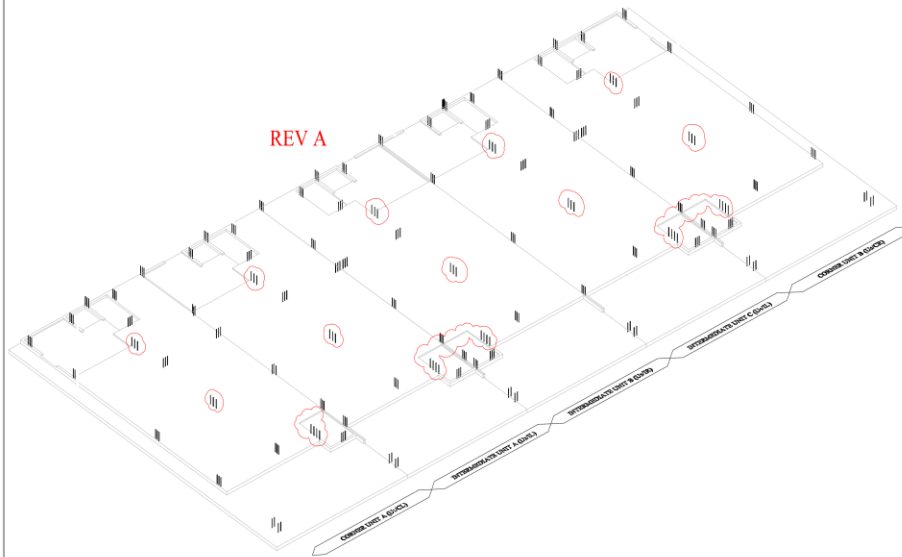
MANUFACTURER
HC MANUFACTURING SDN. BHD. (585570-T)
 Lot 1, Jalan Zurah 8, Pusat Perindustrian Zurah, Mukim Rasa,
 Daerah Hulu Selangor, 44200 Rasa, Selangor D.E.
 Tel:03-3325 8995 Fax:03-3325 8996

DRAWN :	KC
DATE :	OCT 2019
CHECKED :	MENG
EXAMD :	MENG
APPROD :	MENG
SCALE :	N/S

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES SETINGKAT DI ATAS LOT: , MUKIM JUASSEH, DAERAH KUALA PILAH, NEGERI SEMBILAN DARUL KHUSUS

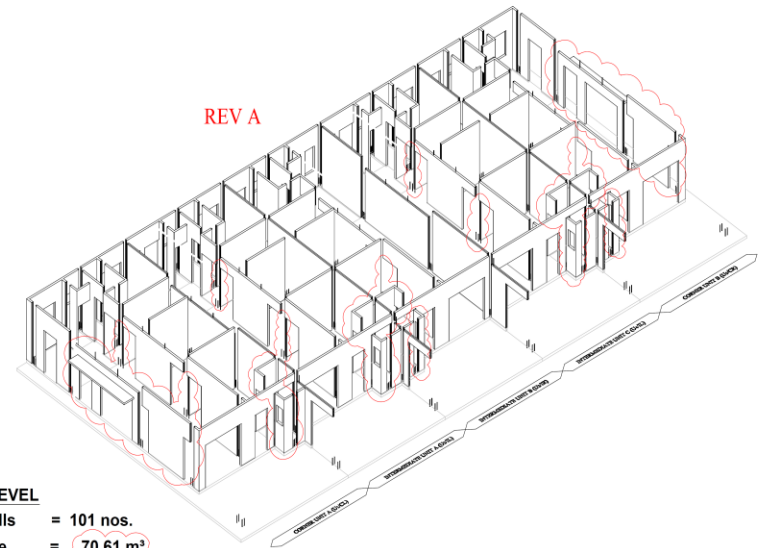
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SINGLE STOREY TERRACE HOUSE INTERMEDIATE UNIT A 3D DRAWING	
DRAWING NO :	REV :
HC/	A
SYSTEM :	REV :
-	-

Sequence of Works



Foundation & ground slab by others

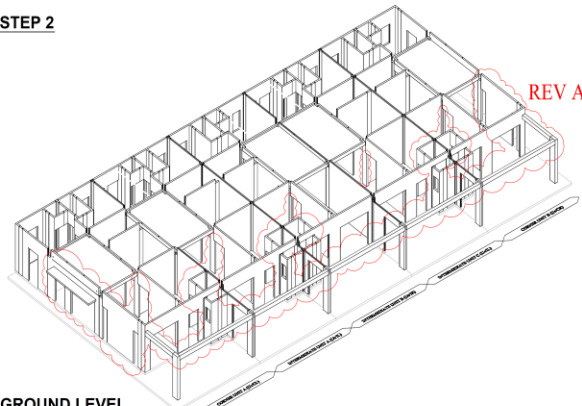
STEP 1



GROUND LEVEL

- Precast Walls = 101 nos.
- Wall Volume = 70.61 m³
- Height of Wall = 2970 / 3020 / 3475mm
- Built-up Area = 514.89 m²

STEP 2

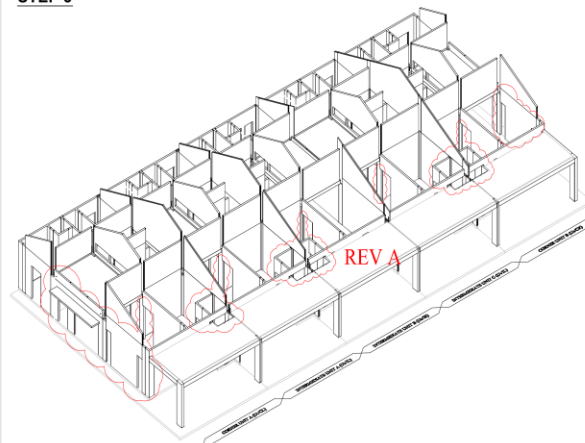


GROUND LEVEL

- Wet Joints (Rebar/Mould/Concrete) / = 100 nos.
- Wet Joint Volume = 11.77 m³
- Precast Beams = 5 nos.
- Precast Beams Volume = 1.78 m³
- Cast in-situ Beams = 2 nos.
- Cast in-situ Beams Volume = 0.32 m³
- Precast Water Tank = 5 nos.
- Precast Water Tank Volume = 11.98 m³

REV A

STEP 3

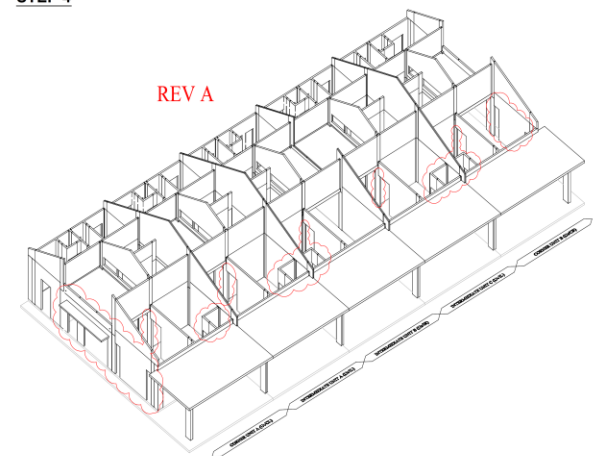


ROOF LEVEL

- Precast Walls = 45 nos.
- Precast Walls Volume = 26.38 m³
- Height of Wall = 624-3628mm
- Precast Half Slabs = 5 nos.
- Precast Half Slabs Volume = 3.86 m³

REV A

STEP 4



ROOF LEVEL

- Wet Joints (Rebar/Mould/Concrete) = 44 nos.
- Wet Joints Volume = 2.94 m³
- Cast in-situ R.C. Flat Roofs = 5 nos.
- Cast in-situ R.C. Flat Roofs Volume = 13.55 m³

REV A



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Tel:03-3325 8995 Fax:03-3325 8996

DRAWN :	KC
DATE :	NOV 2019
CHECKED :	MENG
ENR'D :	MENG
APPR'D :	MENG
SCALE :	NTS

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
SETINGKAT DI ATAS LOT : , MUKIM JUASSEH,
DAERAH KUALA PILAH,
NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE

SINGLE STOREY TERRACE HOUSE
OVERALL
SEQUENCE OF WORKS

DRAWING NO :

HC/

SYSTEM :

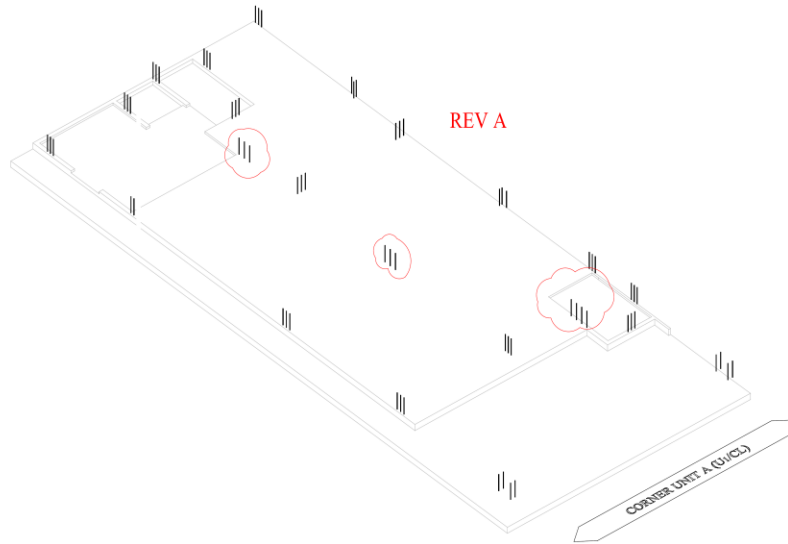
REV :

A

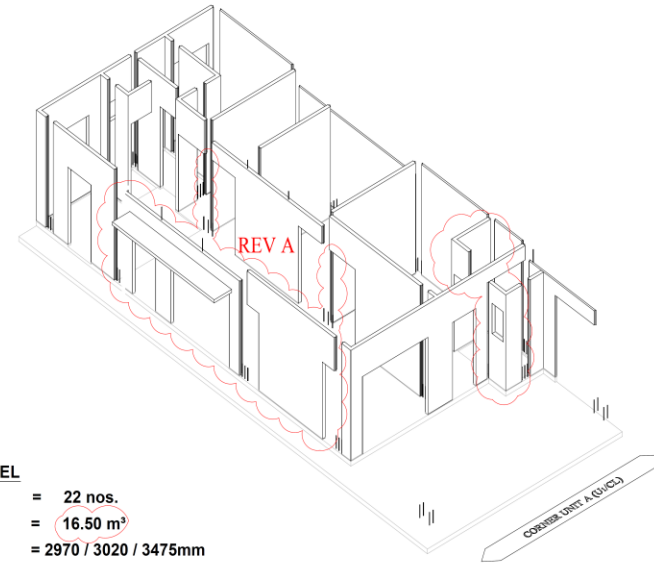
REV :

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STEP 1



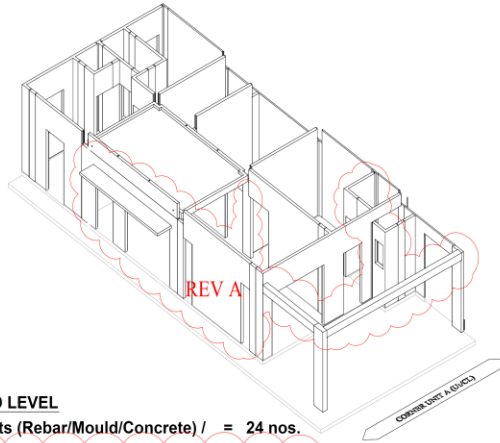
Foundation & ground slab by others



GROUND LEVEL

- Precast Walls = 22 nos.
- Wall Volume = 16.50 m³
- Height of Wall = 2970 / 3020 / 3475mm
- Built-up Area = 103.62 m²

STEP 2

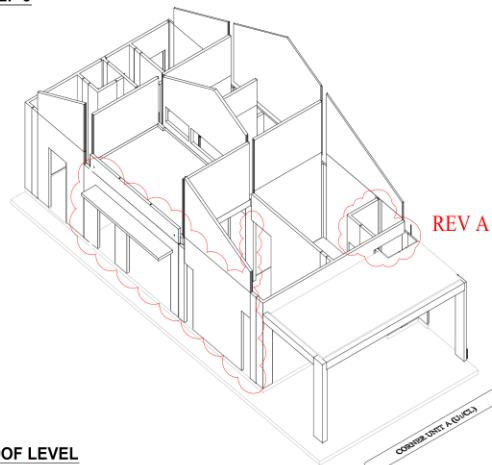


GROUND LEVEL

- Wet Joints (Rebar/Mould/Concrete) / = 24 nos.
- Wet Joint Volume = 2.86 m³
- Precast Beam = 1 no.
- Precast Beam Volume = 0.35 m³
- Cast in-situ Beam = 1 no.
- Cast in-situ Beam Volume = 0.16 m³
- Precast Water Tank = 1 no.
- Precast Water Tank Volume = 2.48 m³

REV A

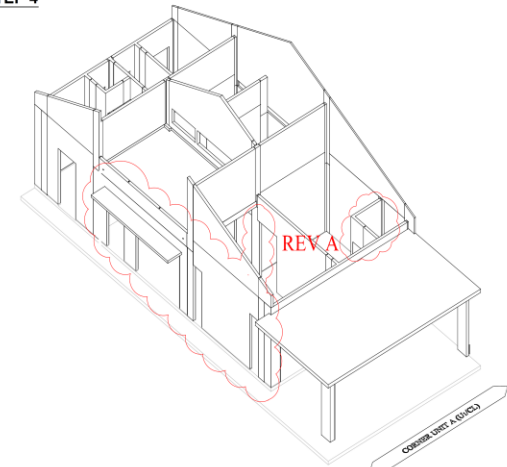
STEP 3



ROOF LEVEL

- Precast Walls = 11 nos.
- Precast Walls Volume = 6.58 m³
- Height of Wall = 624-3628mm REV A
- Precast Half Slab = 1 no.
- Precast Half Slab Volume = 0.76 m³

STEP 4



ROOF LEVEL

- Wet Joints (Rebar/Mould/Concrete) = 12 nos.
- Wet Joints Volume = 0.82 m³
- Cast in-situ R.C. Flat Roof = 1 no. REV A
- Cast in-situ R.C. Flat Roof Volume = 2.93 m³

SYSTEM PROVIDER



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Tel:03-3325 8995 Fax:03-3325 8996

DRAWN : KC

DATE : NOV 2019

CHECKED : MENG

EXAM'D : MENG

APPROV : MENG

SCALE : NTS

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
SETINGKAT DI ATAS LOT : , MUKIM JUASSEH,
DAERAH KUALA PILAH,
NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE

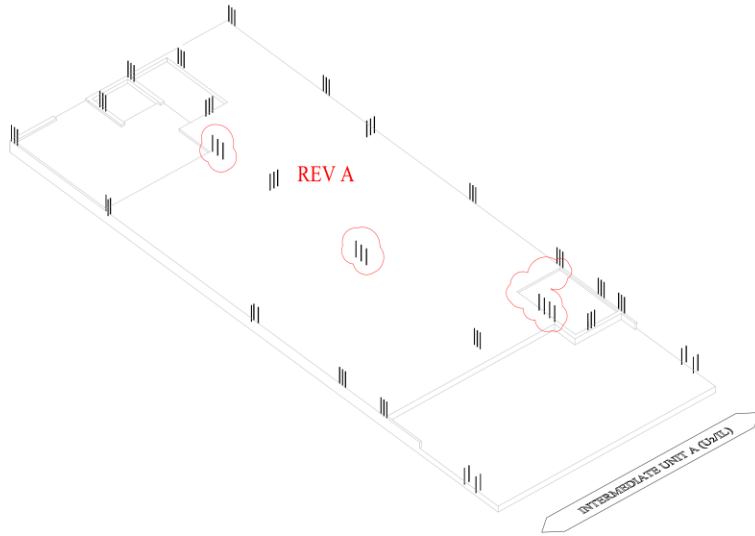
SINGLE STOREY TERRACE HOUSE
CORNER UNIT A
SEQUENCE OF WORKS

DRAWING NO : HC/

SYSTEM : -

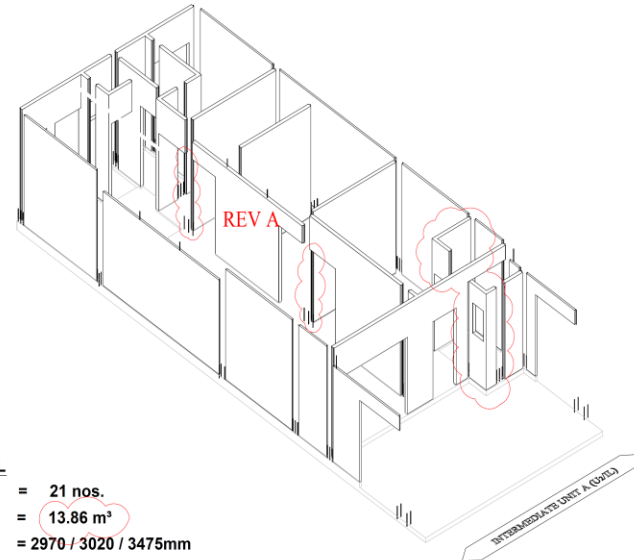
REV : A

REV : -



Foundation & ground slab by others

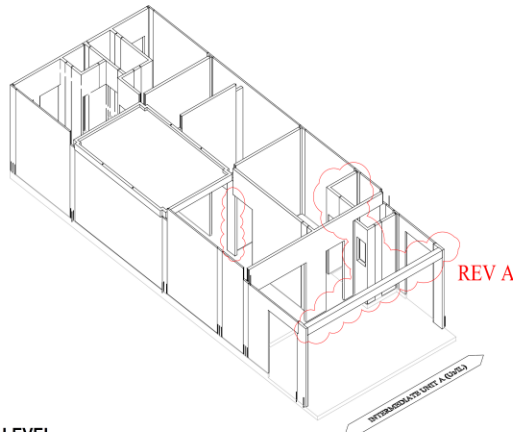
STEP 1



GROUND LEVEL

- Precast Walls = 21 nos.
- Wall Volume = 13.86 m³
- Height of Wall = 2970 / 3020 / 3475mm
- Built-up Area = 102.63 m²

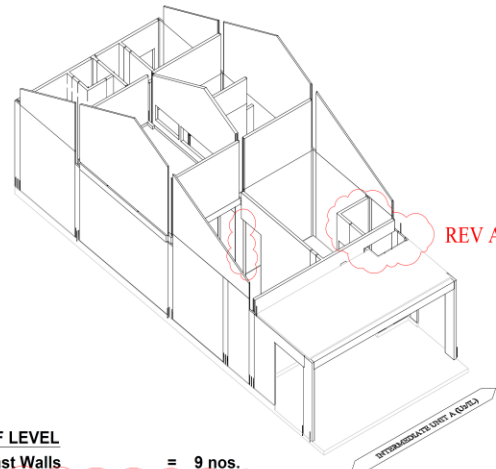
STEP 2



GROUND LEVEL

- Wet Joints (Rebar/Mould/Concrete) / = 20 nos.
- Wet Joint Volume = 2.40 m³
- Precast Beam = 1 no.
- Precast Beam Volume = 0.36 m³
- Precast Water Tank = 1 no.
- Precast Water Tank Volume = 2.36 m³

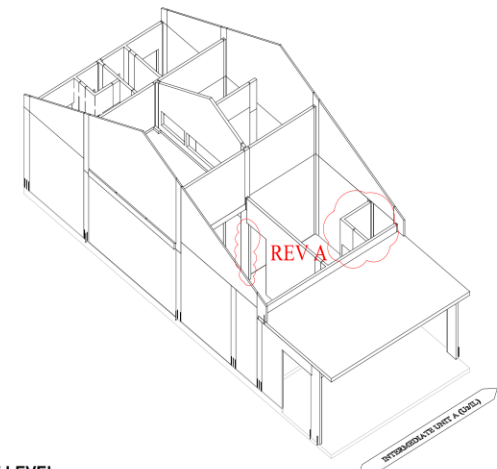
STEP 3



ROOF LEVEL

- Precast Walls = 9 nos.
- Precast Walls Volume = 5.61 m³
- Height of Wall = 624-3628mm REV A
- Precast Half Slab = 1 no.
- Precast Half Slab Volume = 0.78 m³

STEP 4



ROOF LEVEL

- Wet Joints (Rebar/Mould/Concrete) = 8 nos.
- Wet Joints Volume = 0.49 m³
- Cast in-situ R.C. Flat Roof = 1 no.
- Cast in-situ R.C. Flat Roof Volume = 2.57 m³

SYSTEM PROVIDER



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Tel:03-3325 8995 Fax:03-3325 8996

DRAWN :	KC
DATE :	NOV 2019
CHECKED :	MENG
EXAM'D :	MENG
APPR'D :	MENG
SCALE :	NTS

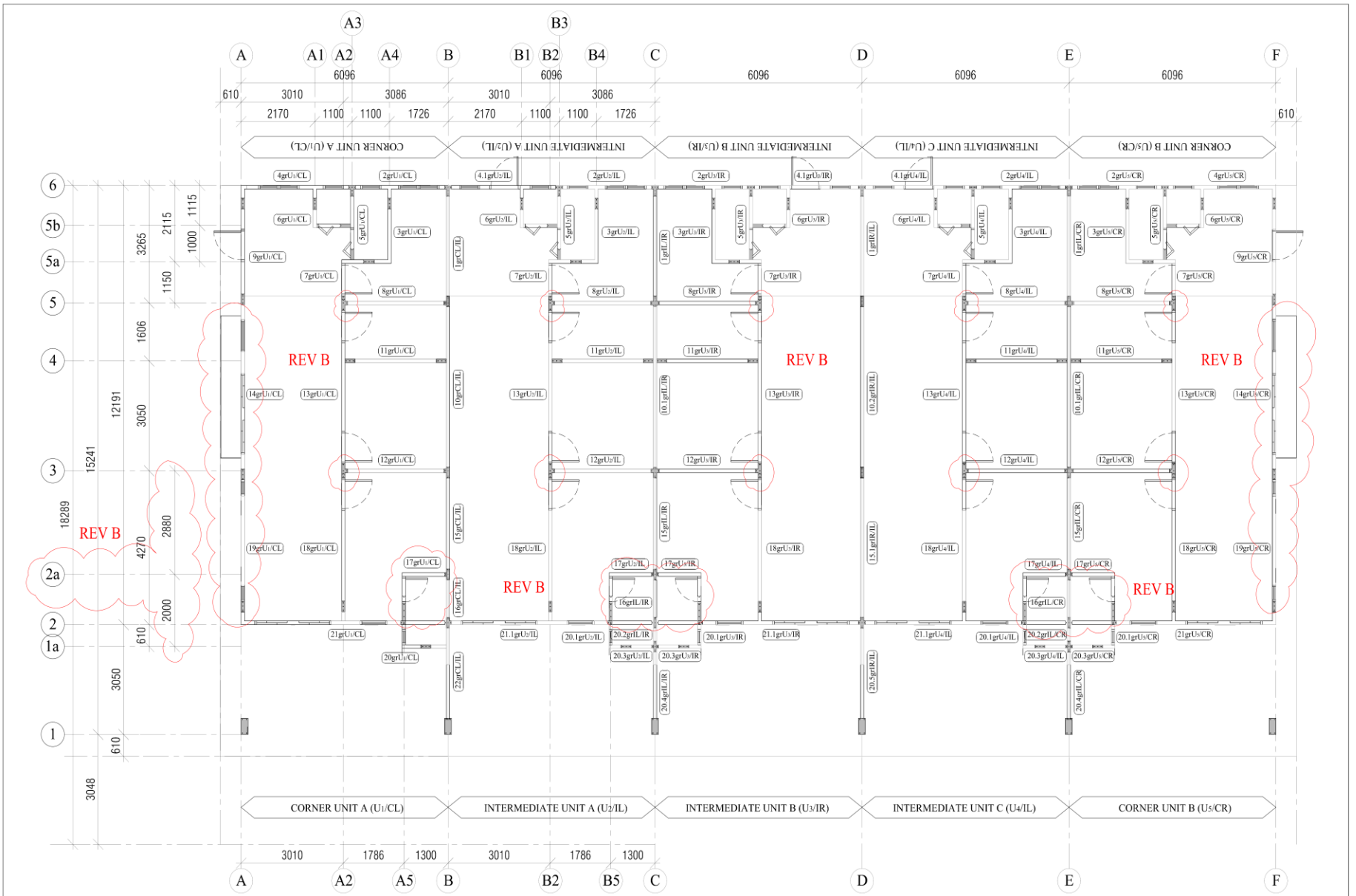
PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
SEHINGKAT DI ATAS LOT : , MUKIM JUASSEH,
DAERAH KUALA PILAH,
NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE

SINGLE STOREY TERRACE HOUSE
INTERMEDIATE UNIT A
SEQUENCE OF WORKS

DRAWING NO :	HC/	REV :	A
SYSTEM :	-	REV :	-

Wall Panel (GL & RL) Numbering Layout,
Wall Prop (GL & RL) Layout & Schedule,
Roof Level Party Wall Installation Guide
(C-Channel)



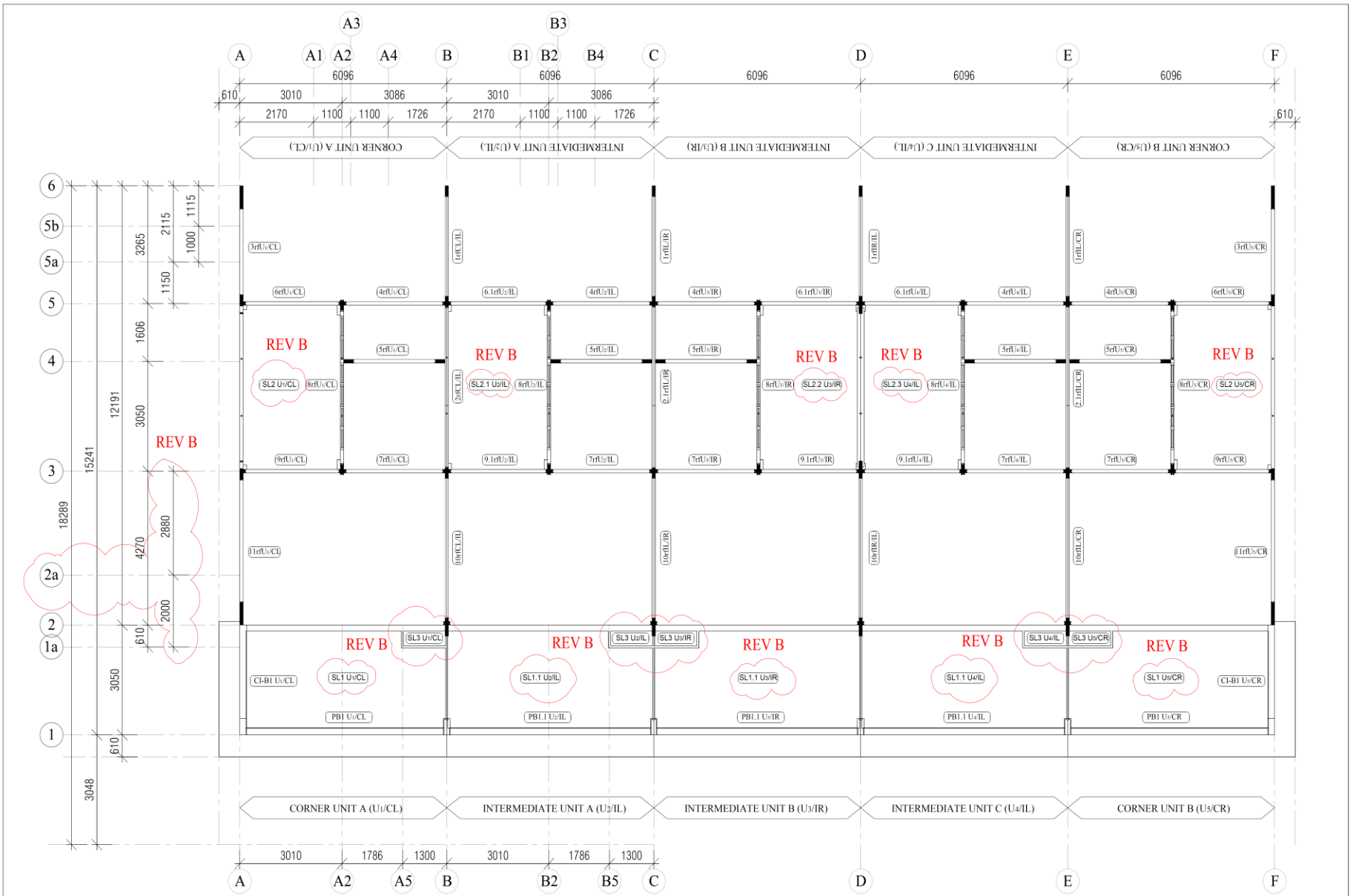
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 Tel:03-3325 8995 Fax:03-3325 8996

DRAWN:	KC
DATE:	NOV 2019
CHECKED:	MENG
DESIGN:	MENG
APPROB:	MENG
SCALE:	NTS

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
 CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
 SETINGKAT DI ATAS LOT , MUKIM JUASSEH,
 DAERAH KUALA PILAH,
 NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE:	
SINGLE STOREY TERRACE HOUSE OVERALL GROUND LEVEL WALL PANEL LAYOUT	
DRAWING NO:	REV: B
HC/	REV: -
SYSTEM:	-



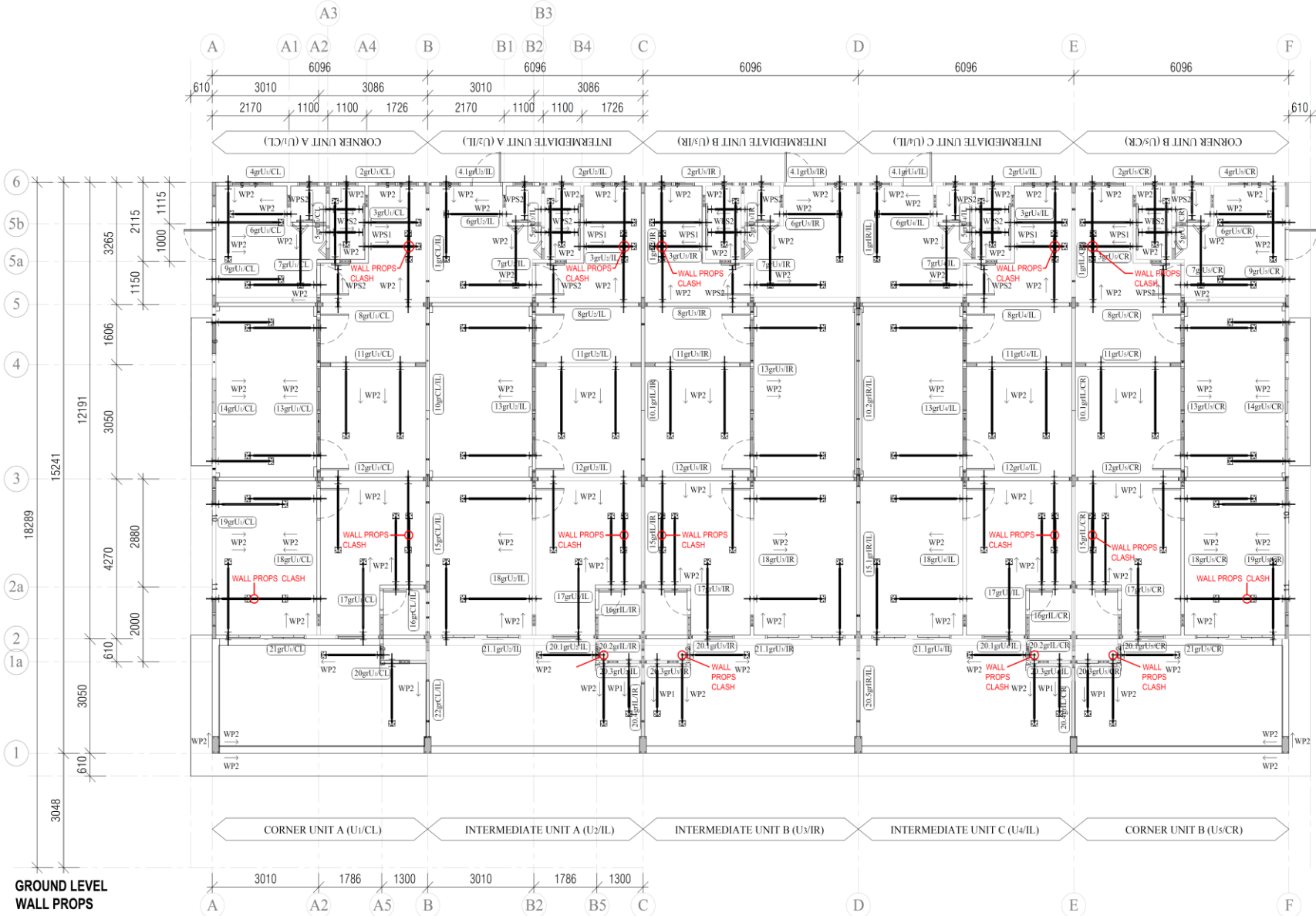
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 Daerah Hulu Selangor, 44200 Rasa, Selangor D.E.
 Tel:03-3325 8995 Fax:03-3325 8996

DRAWN:	KC
DATE:	NOV 2019
CHECKED:	MENG
EXAM'D:	MENG
APP'D:	MENG
SCALE:	NTS

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
 CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
 SETINGKAT DI ATAS LOT: , MUKIM JUASSEH,
 DAERAH KUALA PILAH,
 NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE:	SINGLE STOREY TERRACE HOUSE OVERALL ROOF LEVEL WALL PANEL LAYOUT	
DRAWING NO.:	HC/	REV: B
SYSTEM:	-	REV: -



**GROUND LEVEL
WALL PROPS**

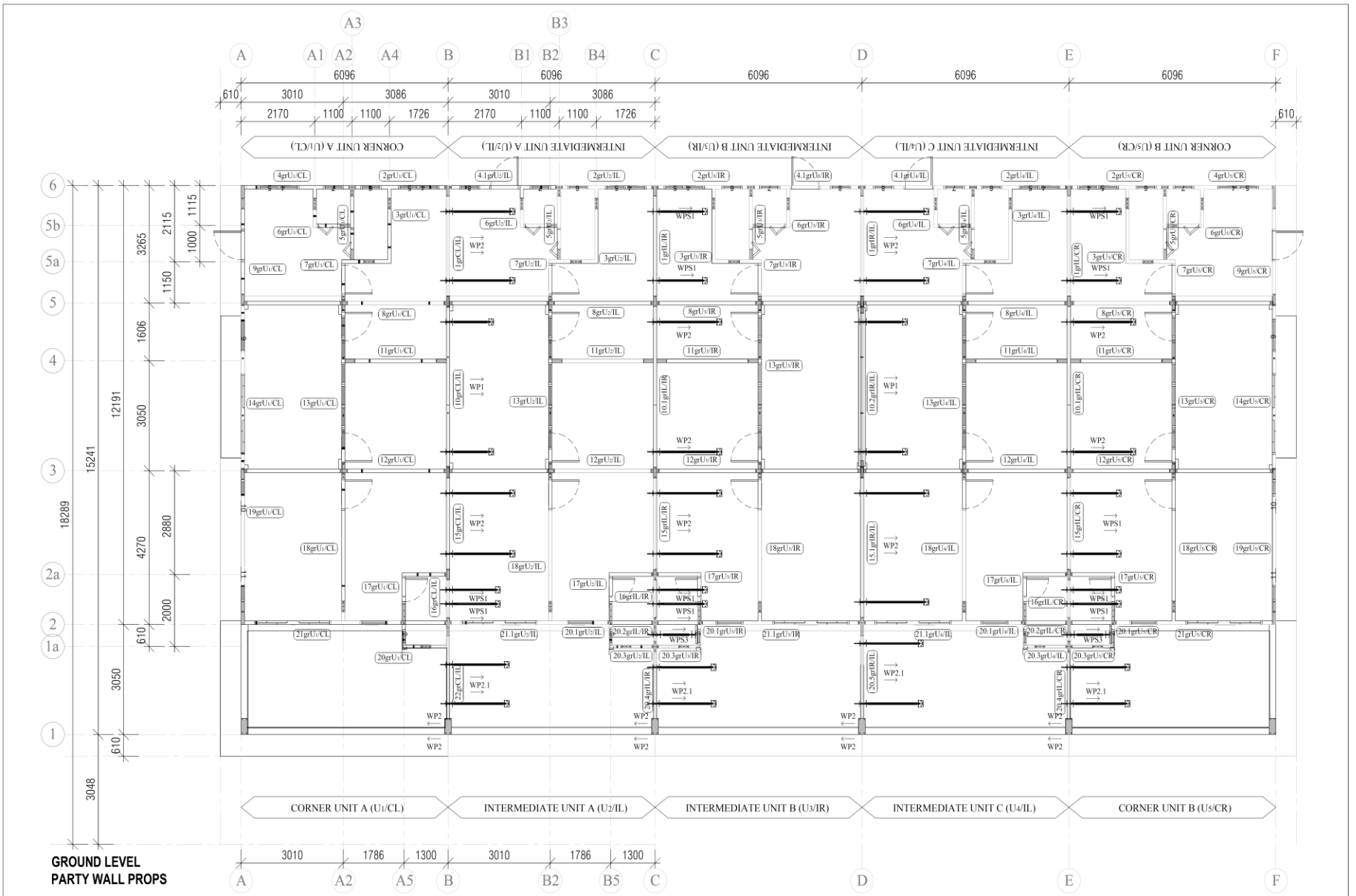
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 Lot 1, Jalan Zurah 8, Pusat Perindustrian Zurah, Mukim Raso,
 Daerah Hulu Selangor, 44200 Raso, Selangor D.E.
 Tel:03-3325 8995 Fax:03-3325 8996

DRAWN:	KC
DATE:	JULY 2020
CHECKED:	MENG
ENAMP:	MENG
APPROB:	MENG
SCALE:	NTS

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
 CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
 SETINGKAT DI ATAS LOT: , MUKIM JUASSEH,
 DAERAH KUALA PILAH,
 NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE:	SINGLE STOREY TERRACE HOUSE OVERALL GROUND LEVEL WALL PROPS LAYOUT
DRAWING NO:	HC/
REV:	-
SYSTEM:	-
REV:	-



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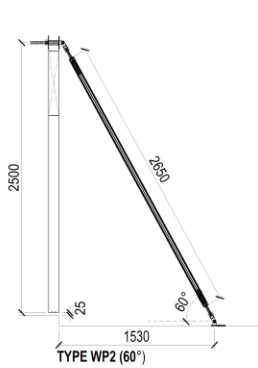
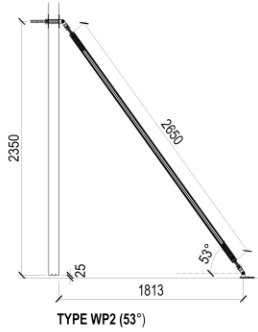
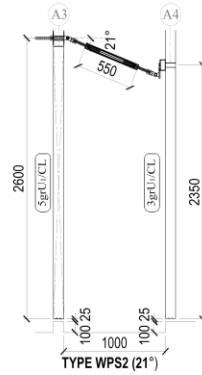
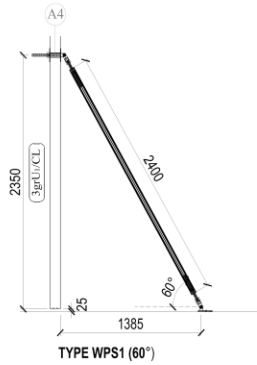
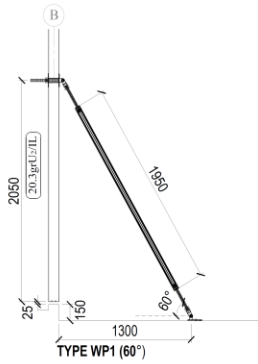
MANUFACTURER
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SCALE :	NTS

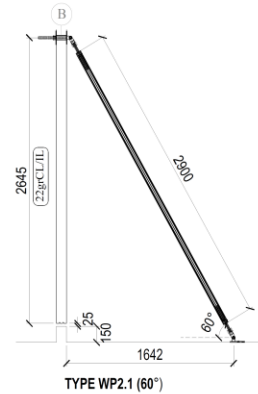
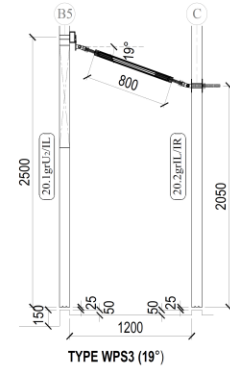
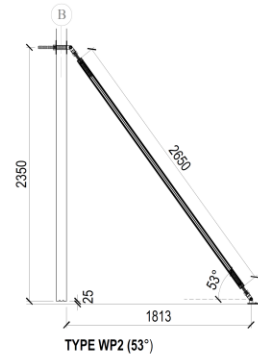
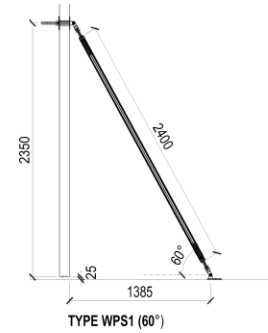
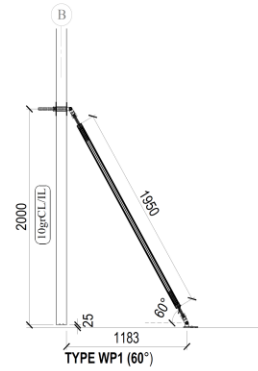
MANUFACTURING TITLE
 PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
 CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
 SETINGKAT DI ATAS LOT : , MUKIM JUASSEH,
 DAERAH KUALA PILAH,
 NEGERI SEMBILAN DARUL KHUSUS


DRAWING TITLE :	SINGLE STOREY TERRACE HOUSE OVERALL GROUND LEVEL PARTY WALL PROPS LAYOUT	
DRAWING NO. :	HC/	REV : -
SYSTEM :	-	REV : -

GROUND LEVEL - TYPES OF WALL PROP



GROUND LEVEL - TYPES OF PARTY WALL PROP



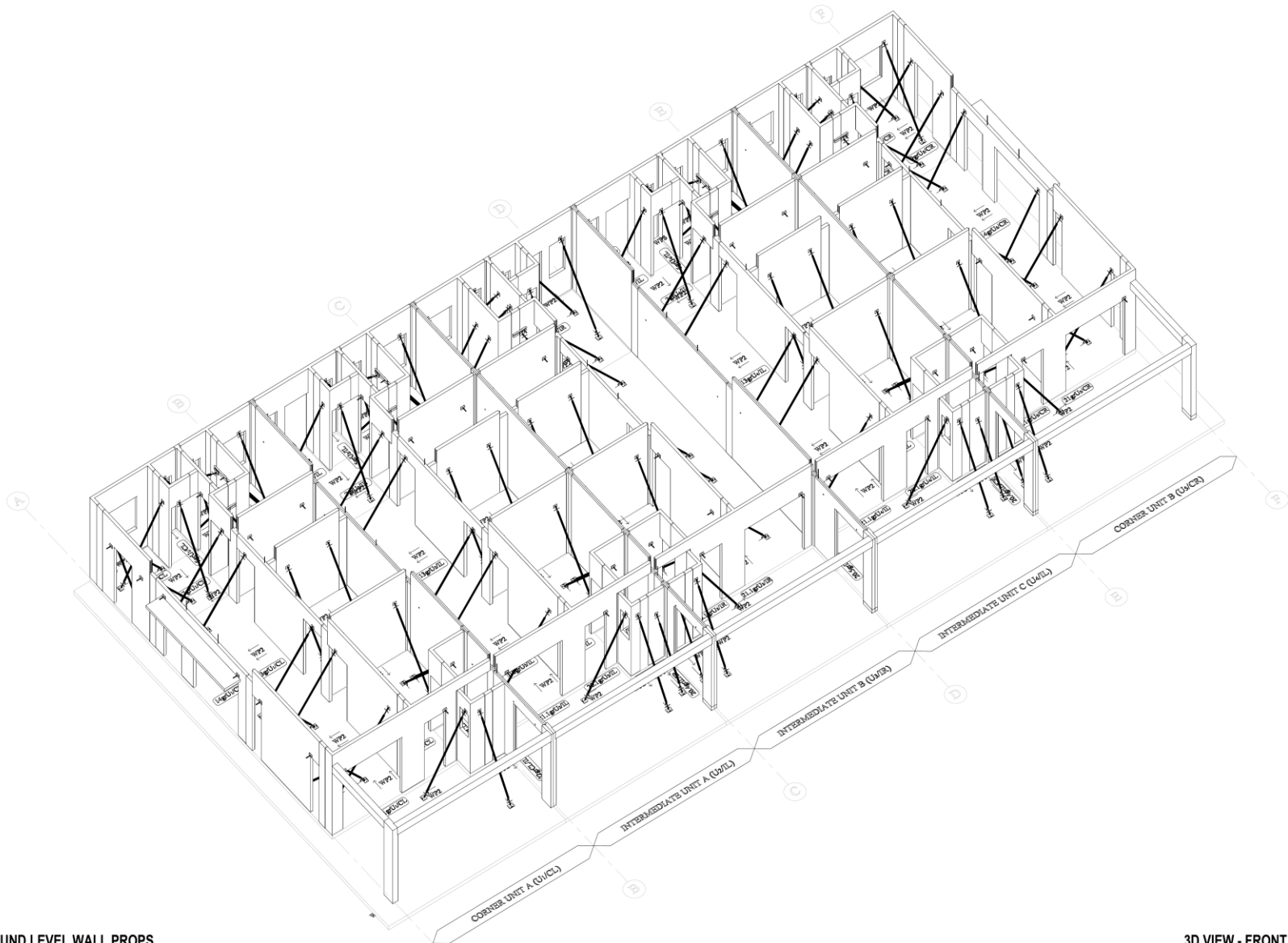
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SCALE :	NTS

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
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 SETINGKAT DI ATAS LOT : , MUKIM JUASSEH,
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DRAWING TITLE :	
SINGLE STOREY TERRACE HOUSE OVERALL GROUND LEVEL - TYPES OF WALL PROP	
DRAWING NO :	HC/
REV :	-
SYSTEM :	-



GROUND LEVEL WALL PROPS

3D VIEW - FRONT (LEFT SIDE)

SYSTEM PROVIDER



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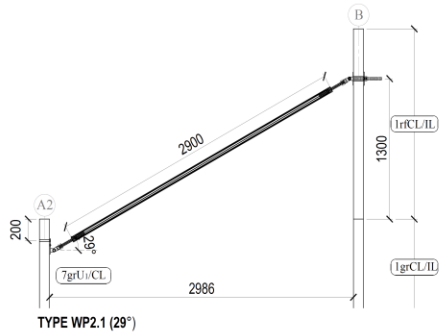
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SETINGKAT DI ATAS LOT : , MUKIM JUASSEH,
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DRAWING TITLE :

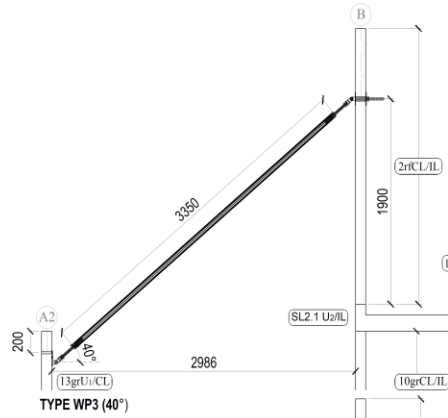
SINGLE STOREY TERRACE HOUSE
OVERALL
GROUND LEVEL WALL PROPS

DRAWING NO :	HC/	REV :	--
SYSTEM :	--	REV :	--

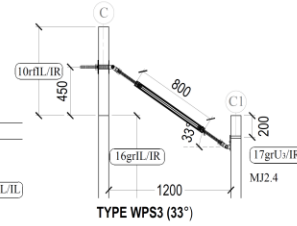
ROOF LEVEL - TYPES OF PARTY WALL PROP



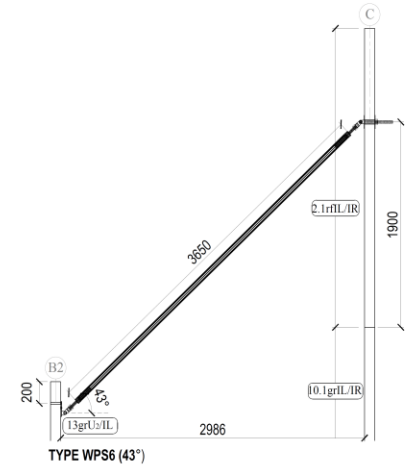
TYPE WP2.1 (29°)



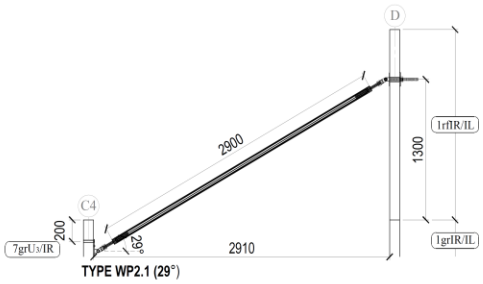
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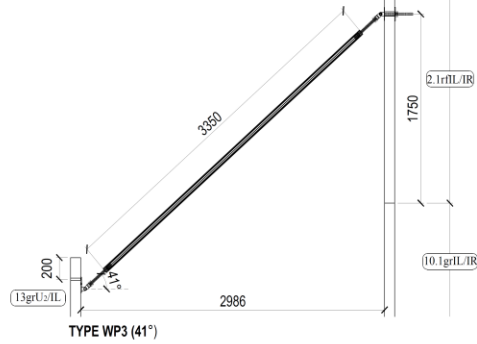
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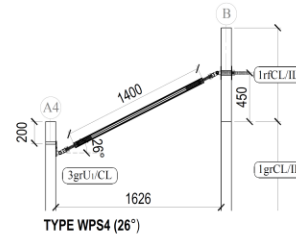
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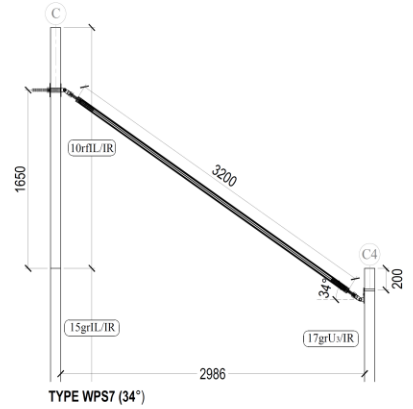
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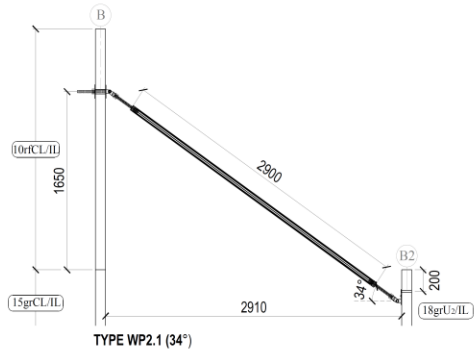
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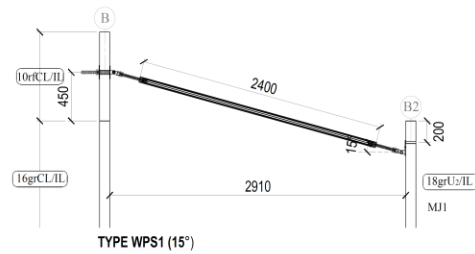
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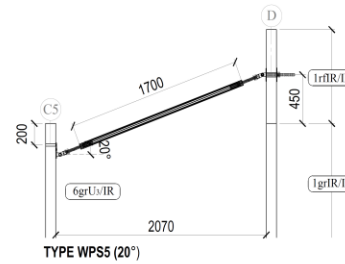
TYPE WPS7 (34°)



TYPE WP2.1 (34°)



TYPE WPS1 (15°)



TYPE WPS5 (20°)

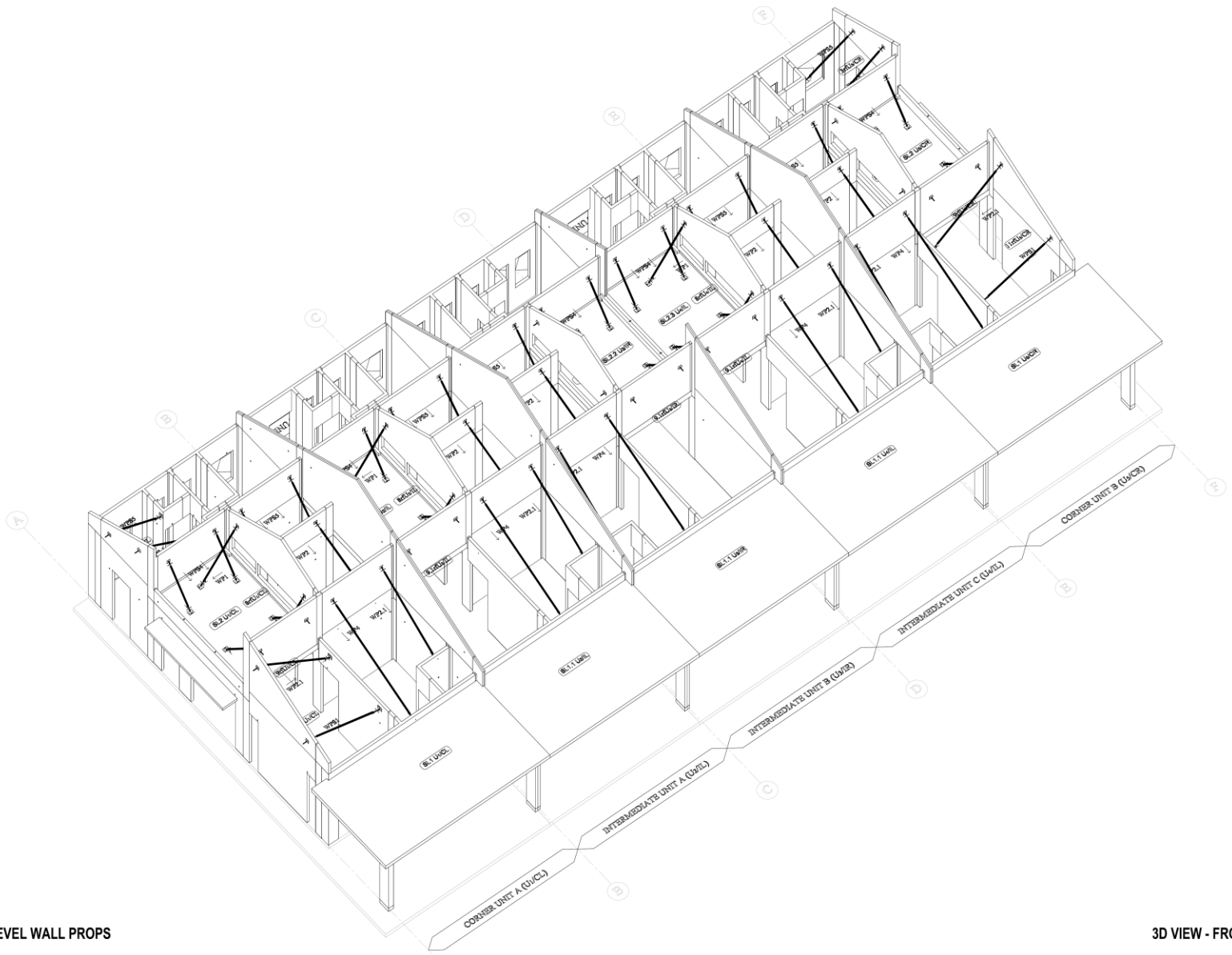
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DATE :	AUG 2020
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SCALE :	NTS

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
 CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
 SETINGKAT DI ATAS LOT : , MUKIM JUASSEI,
 DAERAH KUALA PILAH,
 NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :	SINGLE STOREY TERRACE HOUSE OVERALL	
DRAWING NO :	HC/	
REV :	-	-
SYSTEM :	-	-



ROOF LEVEL WALL PROPS

3D VIEW - FRONT (LEFT SIDE)

SYSTEM PROVIDER

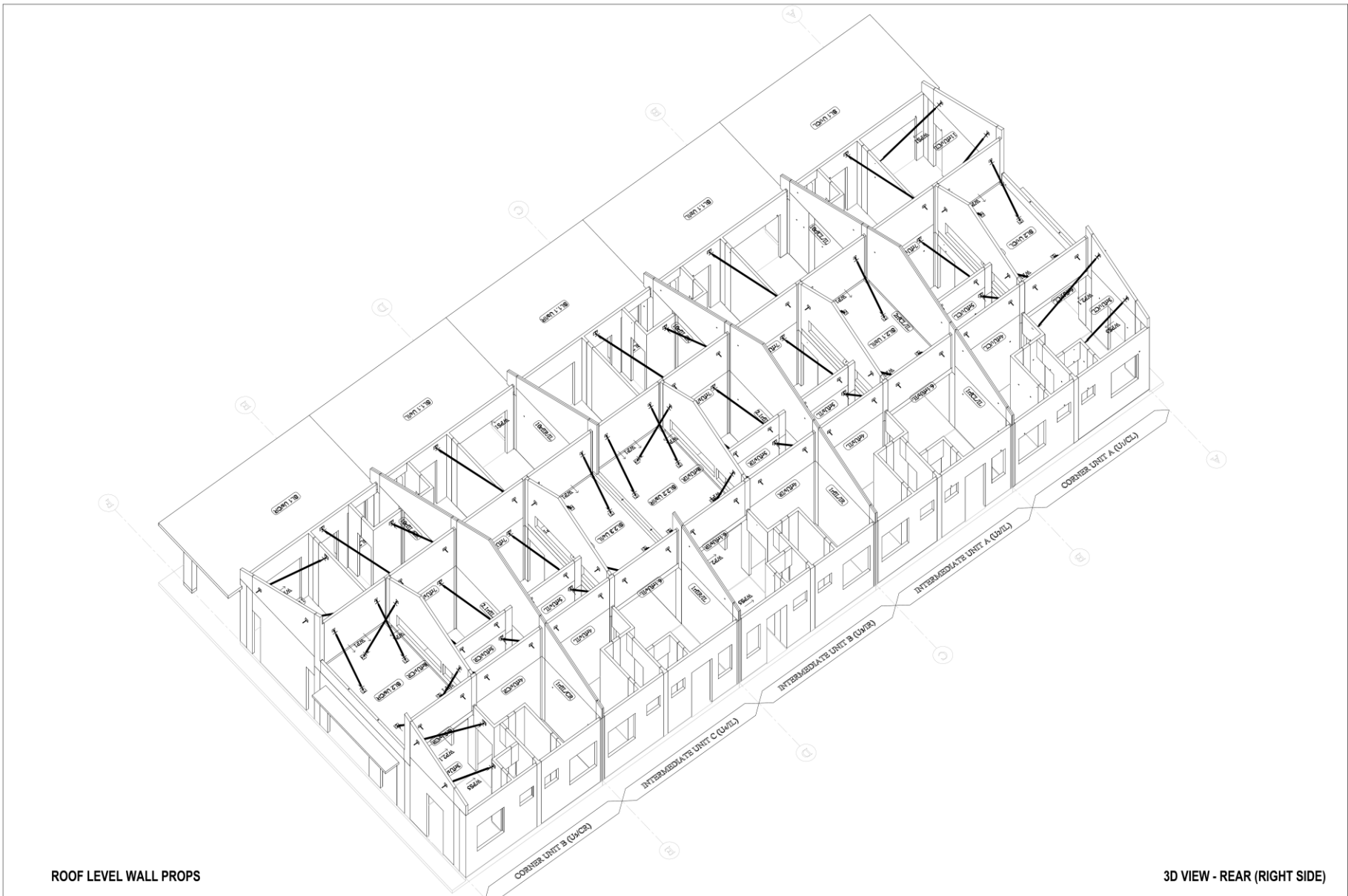
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DATE :	AUG 2020
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EXAM'D :	MENG
APP'D :	MENG
SCALE :	NTS

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
 CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
 SETINGKAT DI ATAS LOT : , MUKIM JUASSEH,
 DAERAH KUALA PILAH,
 NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :	
SINGLE STOREY TERRACE HOUSE OVERALL ROOF LEVEL WALL PROPS	
DRAWING NO :	REV :
HC/	--
SYSTEM :	REV :
--	--



ROOF LEVEL WALL PROPS

3D VIEW - REAR (RIGHT SIDE)

SYSTEM PROVIDER



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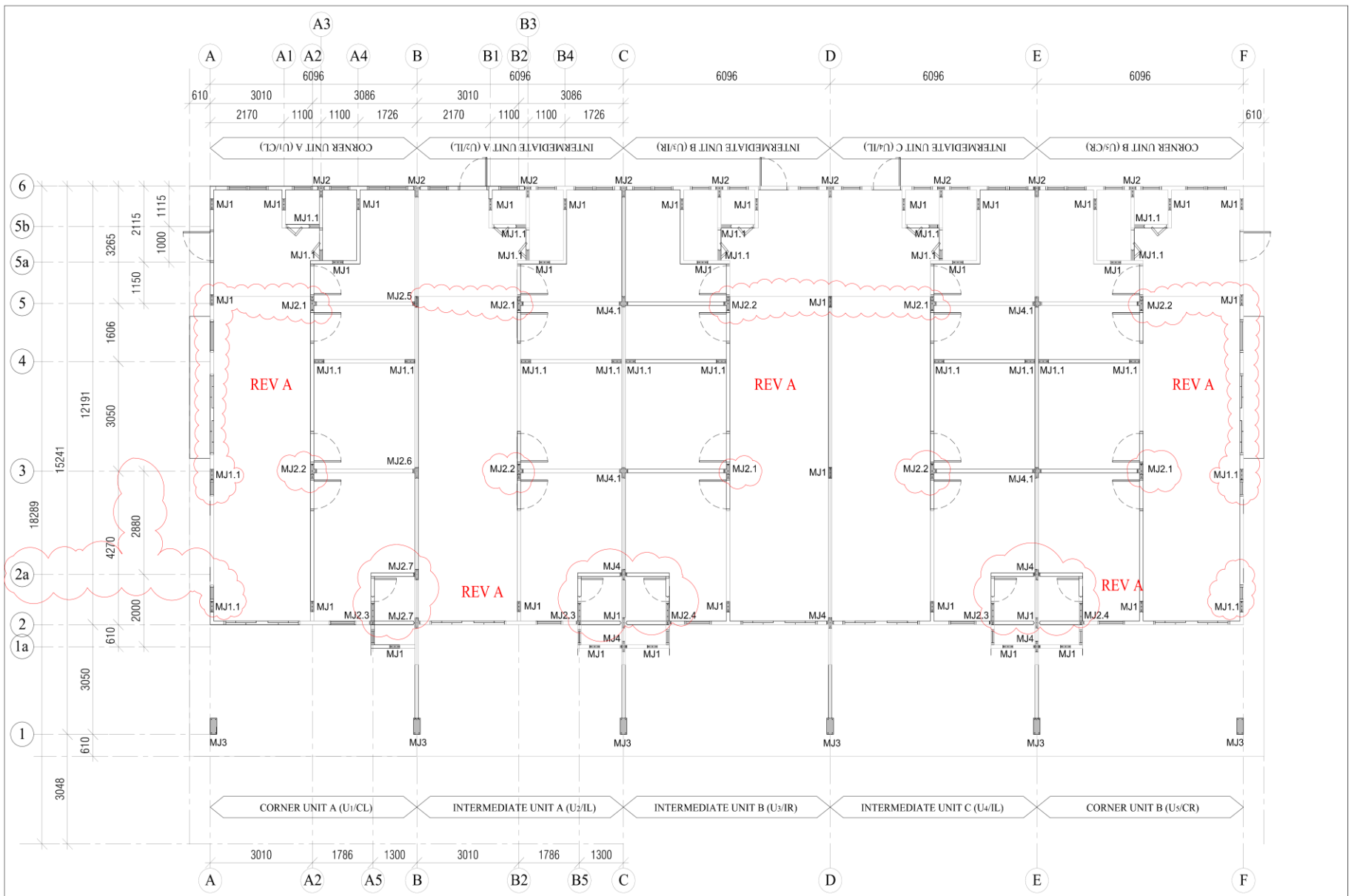
PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
SETINGKAT DI ATAS LOT : , MUKIM JUASSEH,
DAERAH KUALA PILAH,
NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :

SINGLE STOREY TERRACE HOUSE
OVERALL
ROOF LEVEL WALL PROPS

DRAWING NO :	HC/	REV :	--
SYSTEM :	--	REV :	--

Wet Joint Panel (GL & RL)
Layout Plan & Schedule



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DATE :	OCT 2019
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EXAM'D :	MENG
APP'D :	MENG
SCALE :	NTS

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
 CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
 SETINGKAT DI ATAS LOT : , MUKIM JUASSEI,
 DAERAH KUALA PILAH,
 NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :	
SINGLE STOREY TERRACE HOUSE OVERALL GROUND LEVEL WET JOINT LAYOUT	
DRAWING NO. :	REV :
HC/	A
SYSTEM :	REV :
-	-

MODIFIED JOINT (ALL UNITS)

GROUND LEVEL

NO.	COLUMN	SHAPE	QTY
1.	MJ1		29
2.	MJ1.1		24
3.	MJ2		5
4.	MJ2.1		5
5.	MJ2.2		5
6.	MJ2.3		3
7.	MJ2.4		2

REV A

8.	MJ3		2
----	-----	--	---

MODIFIED JOINT (ALL COMMON PARTY WALL)

GROUND LEVEL

NO.	COLUMN	SHAPE	QTY
1.	MJ1		4
2.	MJ2		4
3.	MJ2.5		1
4.	MJ2.6		1
5.	MJ2.7		2
6.	MJ3		4
7.	MJ4		5
8.	MJ4.1		4



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PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
SETINGKAT DI ATAS LOT , MUKIM JUASSEH,
DAERAH KUALA PILAH,
NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :	
SINGLE STOREY TERRACE HOUSE OVERALL GROUND LEVEL WET JOINT SCHEDULE	
DRAWING NO :	REV :
HC/	A
SYSTEM :	REV :
-	-

Architectural Panel List

HC PRECAST SYSTEM

TITLE : 10 UNIT RUMAH TERES SETINGKAT DI ATAS LOT: , MUKIM JUASSEH, DAERAH KUALA PILAH
 TYPE : CORNER UNIT A (U1/CL)
 CONCRETE: G30

GROUND LEVEL PRECAST WALL PANELS

POSITION	PANEL NAME	Chequered Plate	Beam Opening	Refer site PS mould	Panel Height	P & F	Middle P & F	Window	Door	Starter Bar		Power pt.		Wall Light point	13A Switch 1475(h)	TV Outlet 325(h)	Tel Outlet 325(h)	DB/Meter 1675(h)	Cold Water Pipe	Volume (m³)	Weight (Tonnes)
										Side	Top	275(h)	1475(h)								
1	1grCL/IL	2765			3475	std				yes										0.966	2.328
2	2grU1/CL	2626 (W6)(W5)(W4)	yes		3475	std		W6,W5 & W4		yes										0.803	1.935
3	3grU1/CL	1515	yes		3475	std				yes										0.671	1.617
4	4grU1/CL	3170 (W5)(W4)(W7)	yes		3475	std		W5,W4 & W7		yes										1.079	2.600
5	5grU1/CL	1465 (D8)	yes		3475	std	std		D8	yes										0.361	0.870
6	6grU1/CL	800 (D9)			3475	std			D9	yes										0.244	0.588
7	7grU1/CL	1100 (D5)			3475	std			D5	yes										0.360	0.868
8	8grU1/CL	2836			3475	std				yes										0.991	2.388
9	9grU1/CL	2365 (D6)			3475	std			D6	yes										0.609	1.468
10	10grCL/IL	4456			2970	std	std			yes										1.328	3.200
11	11grU1/CL	2386			3475	std				yes										0.834	2.010
12	12grU1/CL	2836			3475	std				yes										0.991	2.388
13	13grU1/CL	4256 (D3)(D4)			2970	std	std		D3 & D4	yes										0.828	1.995
14	14grU1/CL	4556 (W9)(D1)			2970	std		W9	D1	yes	yes									0.882	2.126
15	15grCL/IL	2730			3475	std				yes										0.954	2.299
16	16grCL/IL	840	yes		3475	std				yes										0.297	0.716
17	17grU1/CL	1250 (D7)	yes		3475	std			D7	yes										0.475	1.145
18	18grU1/CL	3520 (D2)			3475	std			D2	yes										1.010	2.434
19	19grU1/CL	3370 REV A			3475	std				yes										1.176	2.834
20	20grU1/CL	660 (W2)(W3)	yes		3020	std		W2 & W3		yes	yes									0.280	0.675
21	21grU1/CL	5996 (W1)(D1)			3475	std		W1	D1	yes										1.133	2.731
22	22grCL/IL	2520	yes		3020	std				yes	yes									0.514	1.239

16.786 40.454

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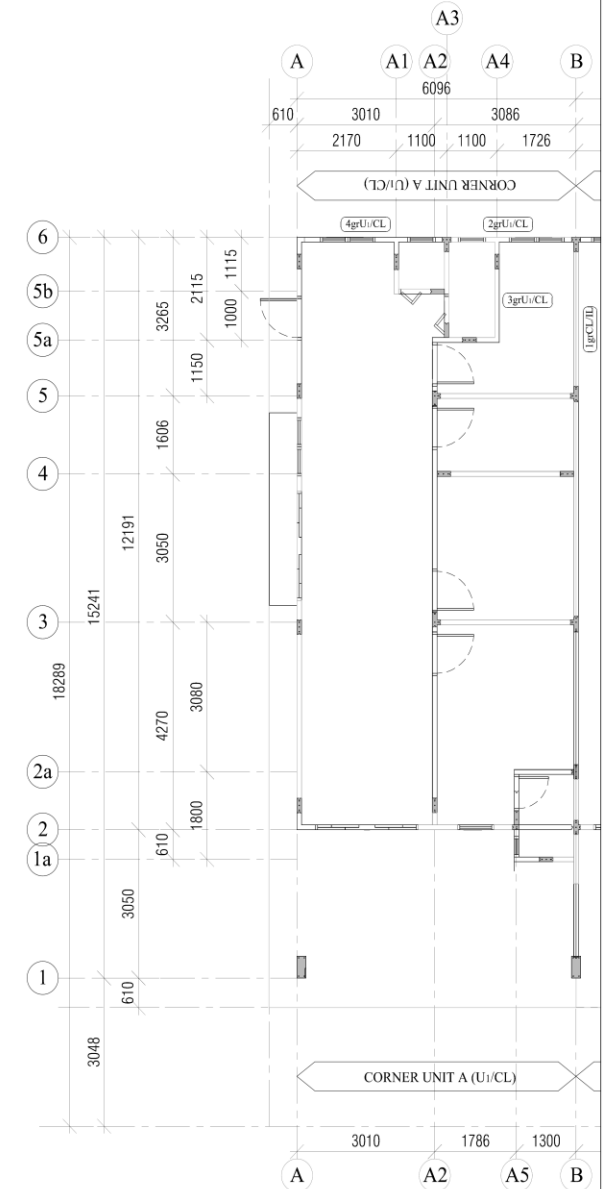
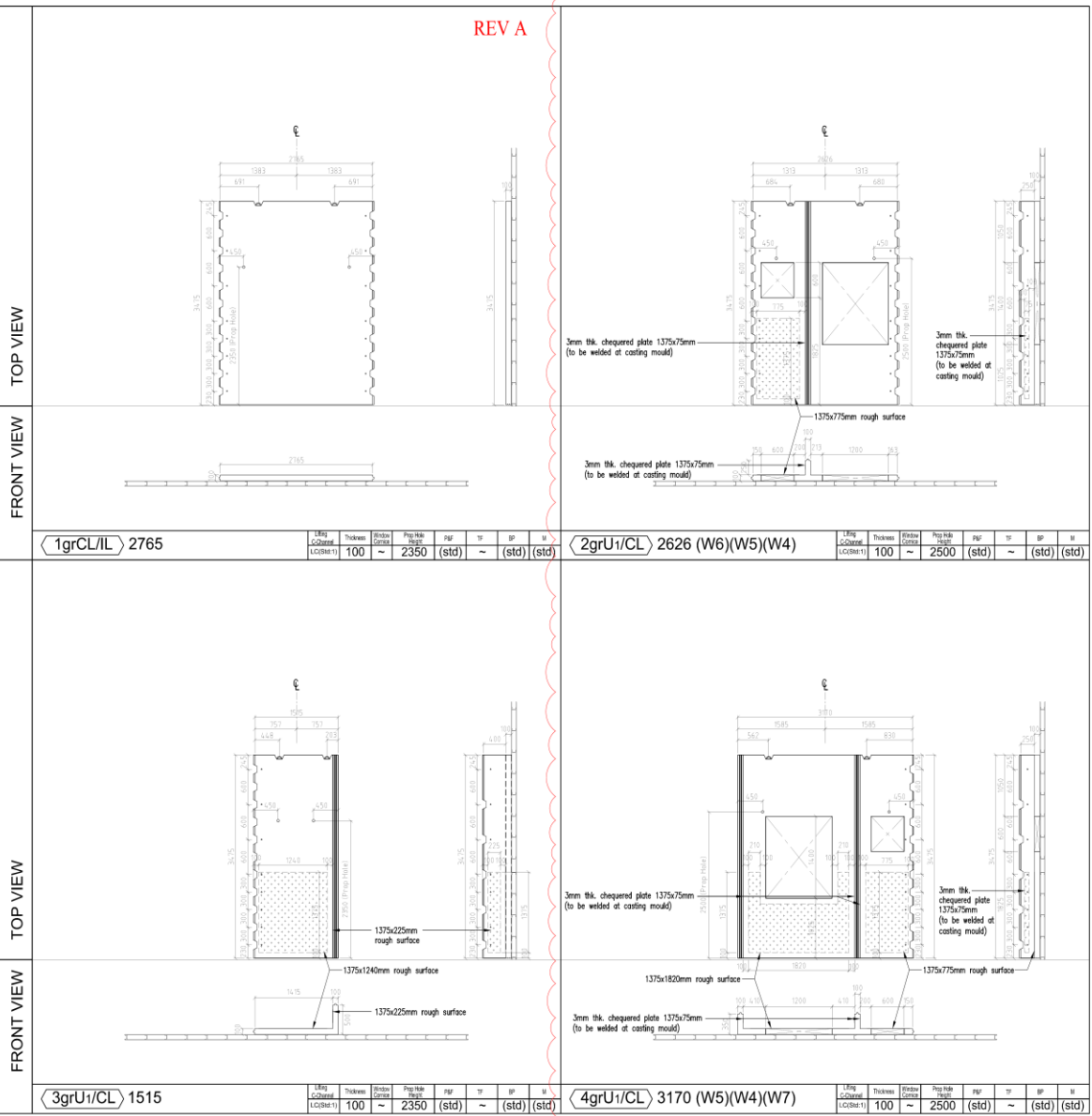
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SCALE :	NTS

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
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DRAWING TITLE :	
SINGLE STOREY TERRACE HOUSE CORNER UNIT A - GROUND LEVEL PRECAST WALL PANELS TABLE	
DRAWING NO :	REV :
HC/	A
SYSTEM :	REV :
-	-

REV A



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DRAWN: **KC**
 DATE: **NOV 2019**
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 APPRO'D: **MENG**
 SCALE: **NTS**

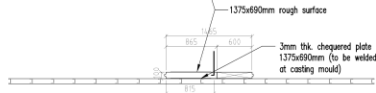
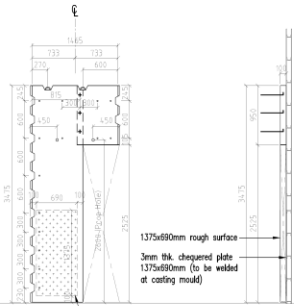
PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES SETINGKAT DI ATAS LOT. , MUKIM JUASSETI, DAERAH KUALA PILAH, NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE:
 SINGLE STOREY TERRACE HOUSE
 CORNER UNIT A - GROUND LEVEL
 ARCHITECTURAL WALL PANEL LIST

DRAWING NO: HC/ I A
REV: A

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REV A

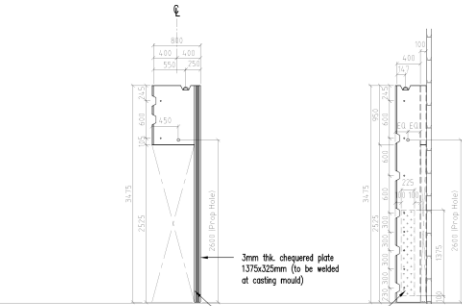


5grU1/CL 1465 (D8)

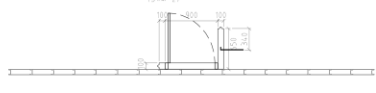
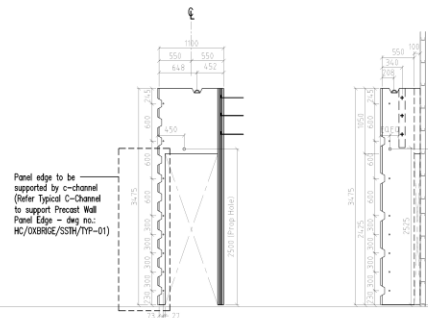
UWS LCORNER (CORNER-1)	Thickness	Width Center	Height Top	PAF	TF	BP	M
100	~	2600	(std)	~	(std)	(std)	

6grU1/CL 800 (D9)

UWS LCORNER (CORNER-1)	Thickness	Width Center	Height Top	PAF	TF	BP	M
100	~	2600	(std)	~	(std)	(std)	



REV A

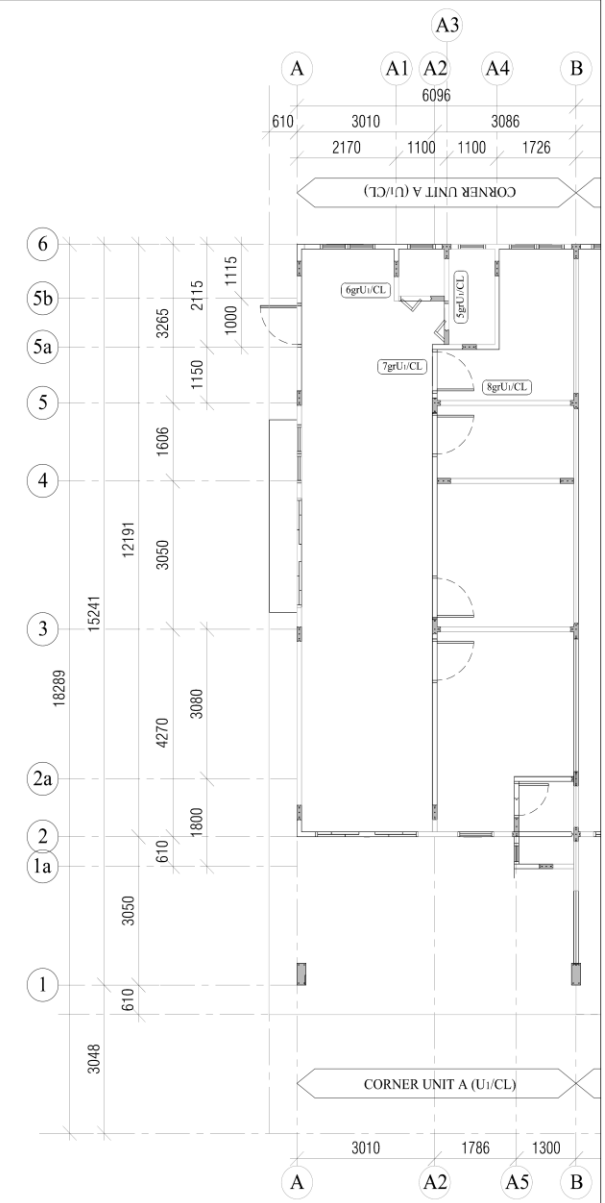
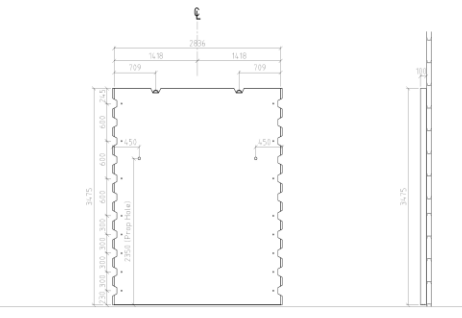


7grU1/CL 1100 (D5)

UWS LCORNER (CORNER-1)	Thickness	Width Center	Height Top	PAF	TF	BP	M
100	~	2500	(std)	~	(std)	(std)	

8grU1/CL 2836

UWS LCORNER (CORNER-1)	Thickness	Width Center	Height Top	PAF	TF	BP	M
100	~	2350	(std)	~	(std)	(std)	



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SCALE :	NTS

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
 CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
 SETINGKAT DI ATAS LOT. , MUKIM JUASSETI,
 DAERAH KUALA PILAH,
 NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :	
SINGLE STOREY TERRACE HOUSE CORNER UNIT A - GROUND LEVEL ARCHITECTURAL WALL PANEL LIST	
DRAWING NO. :	REV :
HC/	A
SYSTEM :	REV :
-	-

ROOF LEVEL PRECAST WALL PANELS (ROOF FALL 25) REV A

POSITION	PANEL NAME	Chequered Plate	Beam Opening	Refer site PS mould	Panel Height	P & F	Middle P & F	Window	Door	Starter Bar		Power pt.		Wall Light point	13A Switch 1475(h)	TV Outlet 325(h)	Tel Outlet 325(h)	DB/Meter 1675(h)	Cold Water Pipe	Volume (m³)	Weight (Tonnes)
										Side	Top	275(h)	1475(h)								
1	1rFCL/IL	2765			670 / 1960	std					yes									0.366	0.882
2	2rFCL/IL	4456			2354 ~ 3628	std	std				yes									1.377	3.319
3	3rU1/CL	2365			833 / 1936	std					yes									0.330	0.795
4	4rU1/CL	2836			1599	std					yes									0.456	1.099
5	5rU1/CL	2386			1015	std					yes									0.244	0.588
6	6rU1/CL	2735			1854	std					yes									0.510	1.229
7	7rU1/CL	2836			2068	std					yes									0.590	1.422
8	8rU1/CL	4256 (W11)(W12)			1971 ~ 3197	std	std	W11 & W12			yes									0.925	2.229
9	9rU1/CL	2735			2323	std					yes									0.639	1.540
10	10rFCL/IL	3870			624 / 2428	std					yes									0.593	1.429
11	11rU1/CL	3370			833 / 2405	std					yes									0.548	1.321

6.578 15.853

PRECAST HALF SLABS

POSITION	PANEL NAME	Volume (m³)	Weight (Tonnes)
1	SL1 U1/CL	5886	1.839
		0.763	1.839

REV A

PRECAST WATER TANK SLAB

POSITION	NAME	Volume (m³)	Weight (Tonnes)
1	SL2 U1/CL	4756	5.984
		2.483	5.984

PRECAST BEAMS

POSITION	NAME	Volume (m³)	Weight (Tonnes)
1	PB1 U1/CL	5836	0.562
2	CI-B1 U1/CL	3050	0.376
		0.389	0.938



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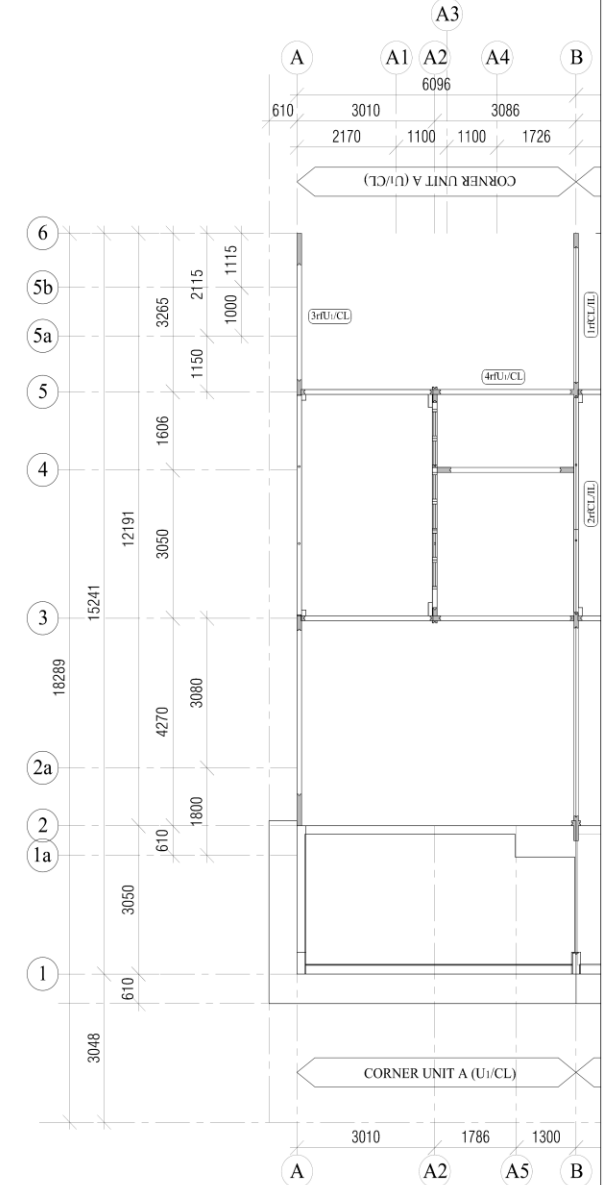
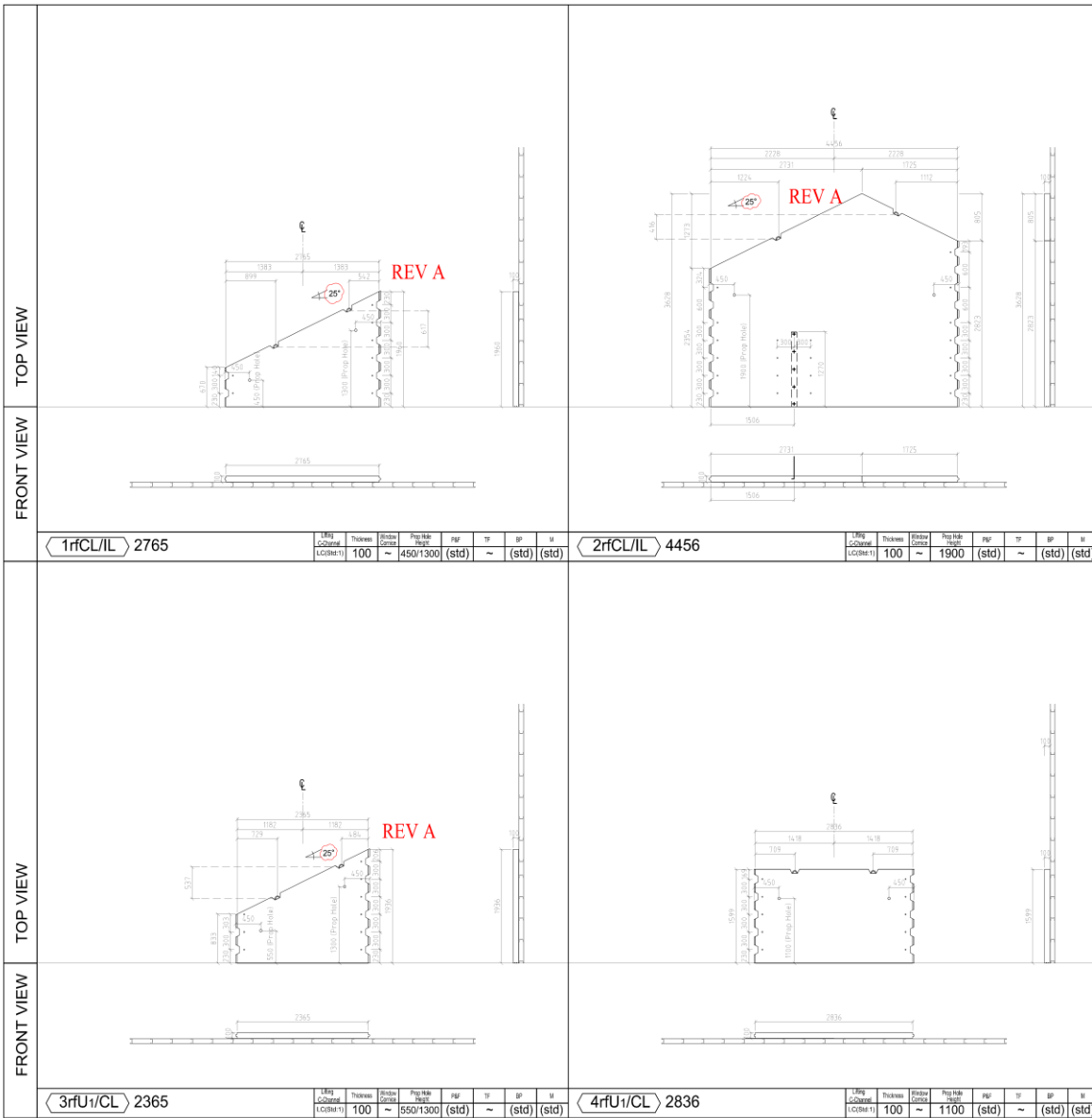
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SCALE :	NTS

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
SETINGKAT DI ATAS LOT , MUKIM JUASSEH,
DAERAH KUALA PILAH,
NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :

SINGLE STOREY TERRACE HOUSE
CORNER UNIT A - ROOF LEVEL - PRECAST
WALL PANELS, HALF SLABS & BEAMS TABLE

DRAWING NO :	HC/	REV :	A
SYSTEM :	--	REV :	--



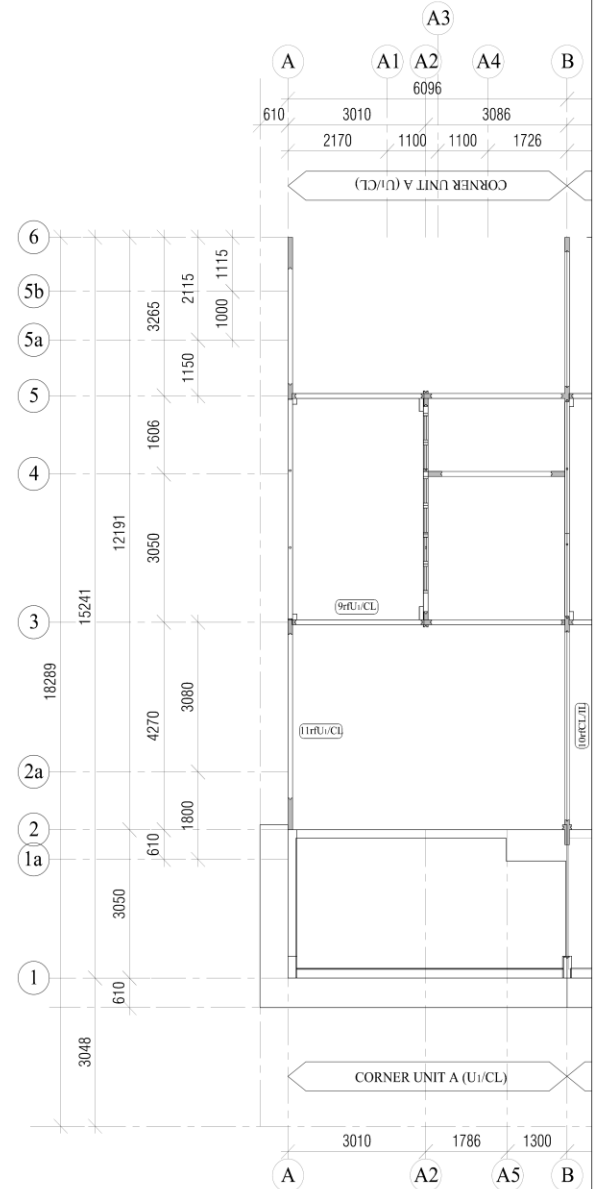
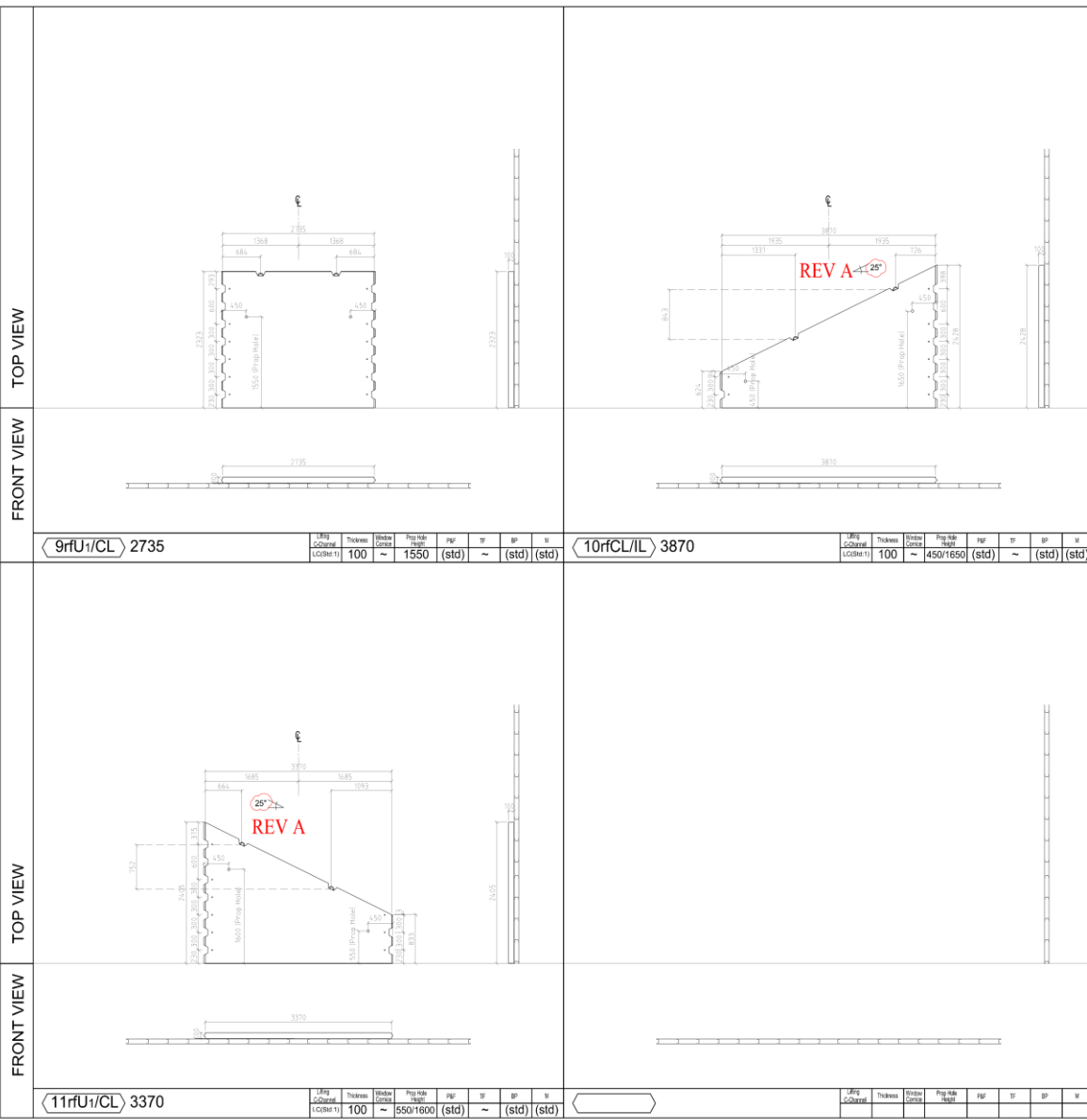
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 EXAM'D : **MENG**
 APPRO'D : **MENG**
 SCALE : **NTS**

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
 CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
 SETINGKAT DI ATAS LOT. , MUKIM JUASSETI,
 DAERAH KUALA PILAH,
 NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :
**SINGLE STOREY TERRACE HOUSE
 CORNER UNIT A - ROOF LEVEL
 ARCHITECTURAL WALL PANEL LIST**
 DRAWING NO : **HC/** REV : **A**
 SYSTEM : **-** REV : **-**



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PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES SETINGKAT DI ATAS LOT , MUKIM JUASSEI, DAERAH KUALA PILAH, NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :
 SINGLE STOREY TERRACE HOUSE
 CORNER UNIT A - ROOF LEVEL
 ARCHITECTURAL WALL PANEL LIST

DRAWING NO : **HC/** REV : **A**
 SYSTEM : **-** REV : **-**

HC PRECAST SYSTEM

TITLE : 10 UNIT RUMAH TERES SETINGKAT DI ATAS LOT: , MUKIM JUASSEH, DAERAH KUALA PILAH
 TYPE : INTERMEDIATE UNIT A (U2/IL)
 CONCRETE: G30

GROUND LEVEL PRECAST WALL PANELS

POSITION	PANEL NAME	Chequered Plate	Beam Opening	Refer site PS mould	Panel Height	P & F	Middle P & F	Window	Door	Starter Bar		Power pt.		Wall Light point	13A Switch 1475(h)	TV Outlet 325(h)	Tel Outlet 325(h)	DB/Meter 1675(h)	Cold Water Pipe	Volume (m ³)	Weight (Tonnes)
										Side	Top	275(h)	1475(h)								
1	1grIL/IR	2765			3475	std					yes									0.966	2.328
2	2grU2/IL	2626 (W6)(W5)(W4)	yes		3475	std		W6,W5 & W4			yes									0.803	1.935
3	3grU2/IL	1515	yes		3475	std					yes									0.671	1.617
4	4.1grU2/IL	3070 (W8)(D6)(W7)	yes		3475	std		W8 & W7	D6	yes										0.823	1.983
5	5grU2/IL	1465 (D8)	yes		3475	std	std		D8	yes										0.361	0.870
6	6grU2/IL	800 (D9)			3475	std			D9	yes										0.244	0.588
7	7grU2/IL	1100 (D5)			3475	std			D5	yes										0.360	0.868
8	8grU2/IL	2836			3475	std				yes										0.991	2.388
9	10.1grIL/IR	4456			3475	std	std			yes										1.554	3.745
10	11grU2/IL	2386			3475	std				yes										0.834	2.010
11	12grU2/IL	2836			3475	std				yes										0.991	2.388
12	13grU2/IL	4256 (D3)(D4)			2970	std	std		D3 & D4	yes										0.828	1.995
13	15grIL/IR	2730			3475	std				yes										0.954	2.299
14	16grIL/IR	840	yes		3475	std				yes										0.297	0.716
15	17grU2/IL	1250 (D7)	yes		3475	std			D7	yes										0.475	1.145
16	18grU2/IL	3520 (D2)			3475	std			D2	yes										1.010	2.434
17	20.1grU2/IL	660 (W2)(W3)	yes		3020	std		W2 & W3		yes	yes									0.220	0.530
18	20.2grIL/IR	360	yes		3020	std				yes	yes									0.113	0.272
19	20.3grU2/IL	600	yes		3020	std				yes	yes									0.186	0.448
20	20.4grIL/IR	1860			3020	std				yes	yes									0.176	0.424
21	21.1grU2/IL	5896 (W1)(D1)			3475	std		W1	D1	yes										1.011	2.437
																				13.868	33.420

REV A

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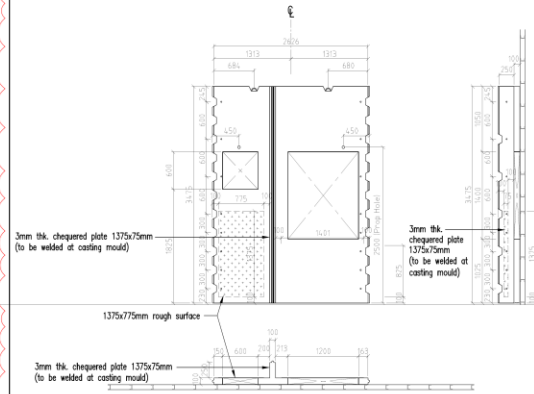
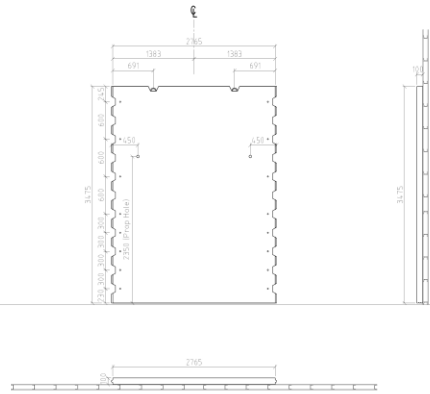
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APP'D :	MENG
SCALE :	N/S

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
 CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
 SETINGKAT DI ATAS LOT: , MUKIM JUASSEH,
 DAERAH KUALA PILAH,
 NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :	
SINGLE STOREY TERRACE HOUSE INTERMEDIATE UNIT A - GROUND LEVEL PRECAST WALL PANELS TABLE	
DRAWING NO :	REV :
HC/	A
SYSTEM :	REV :
-	-

TOP VIEW
FRONT VIEW

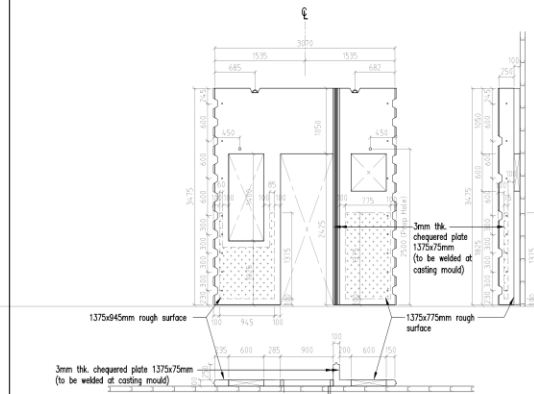
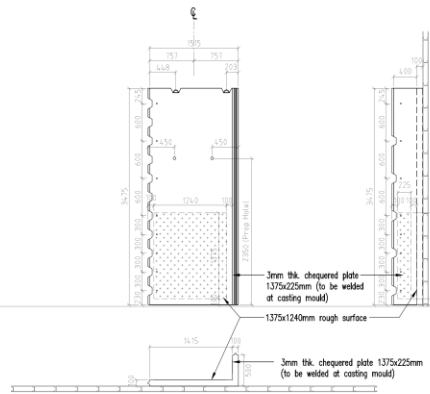
REV A



1grL/IR	2765	UFG LC(BM1)	Thickness 100	Width ~	Pre-hab ~	PPF ~	TF ~	GP ~	M ~
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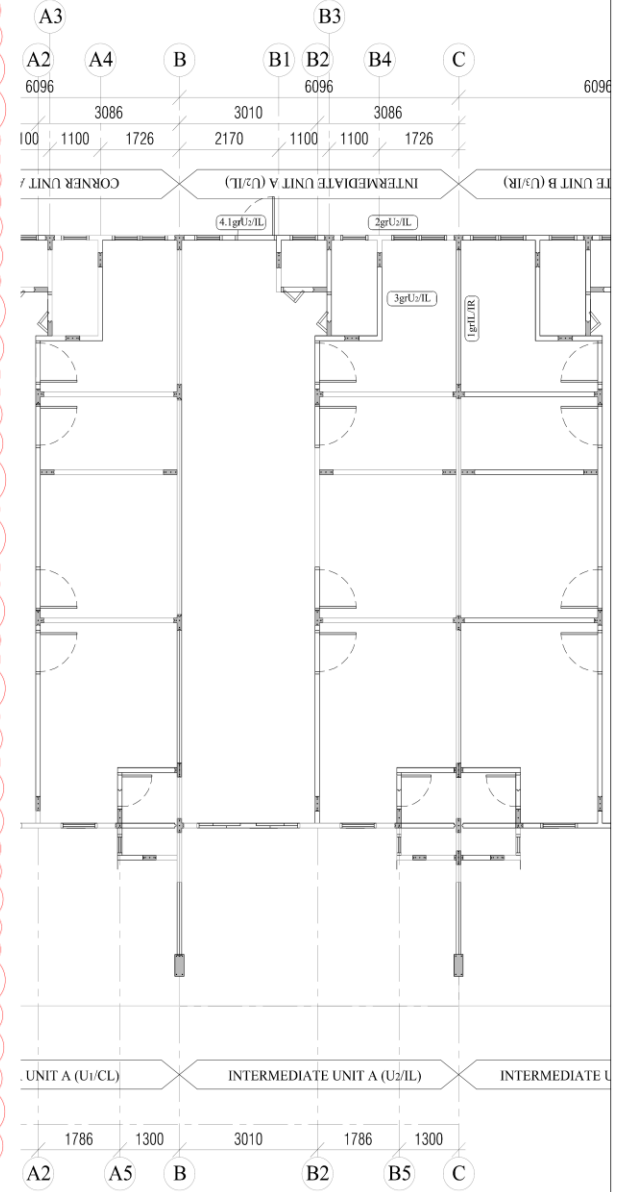
2grUz/IL	2626 (W6)(W5)(W4)	UFG LC(BM1)	Thickness 100	Width ~	Pre-hab ~	PPF ~	TF ~	GP ~	M ~
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TOP VIEW
FRONT VIEW



3grUz/IL	1515	UFG LC(BM1)	Thickness 100	Width ~	Pre-hab ~	PPF ~	TF ~	GP ~	M ~
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4.1grUz/IL	3070 (W8)(D6)(W7)	UFG LC(BM1)	Thickness 100	Width ~	Pre-hab ~	PPF ~	TF ~	GP ~	M ~
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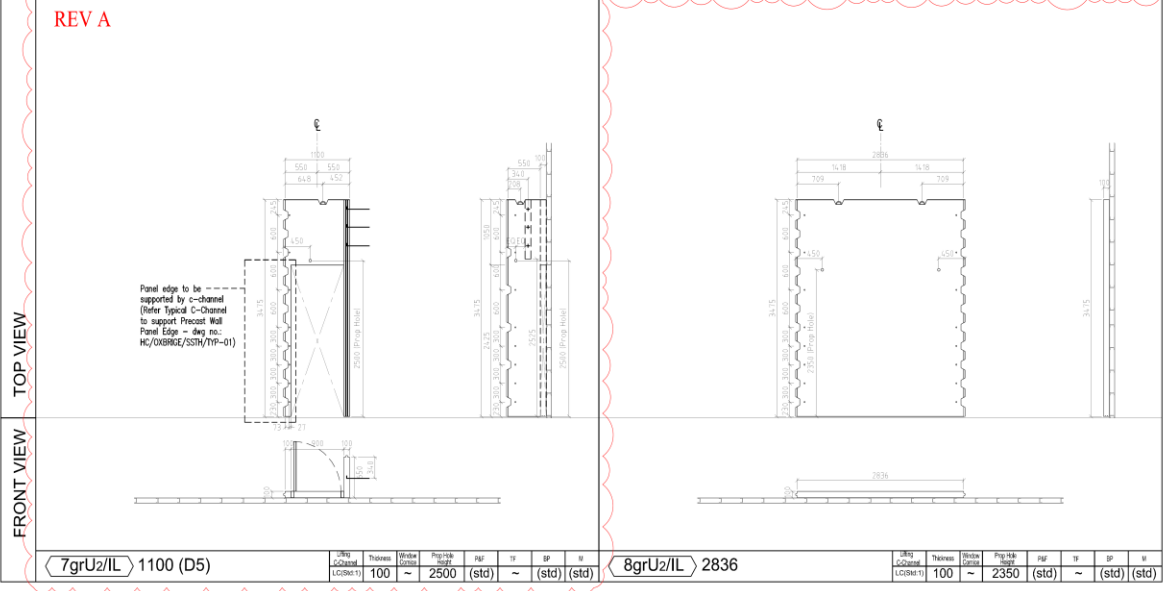
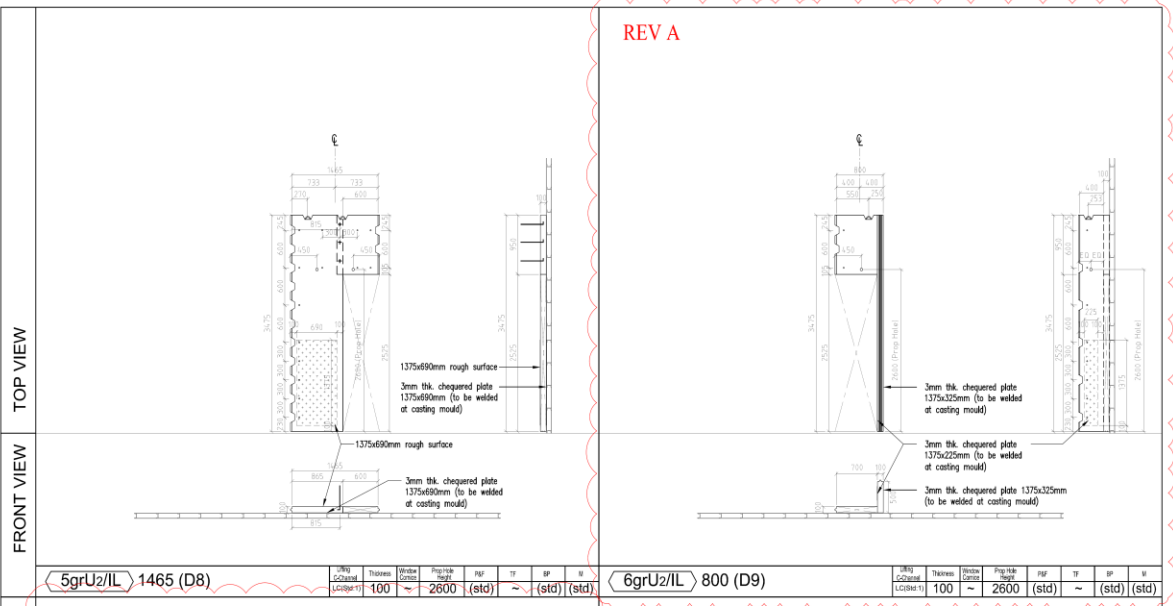
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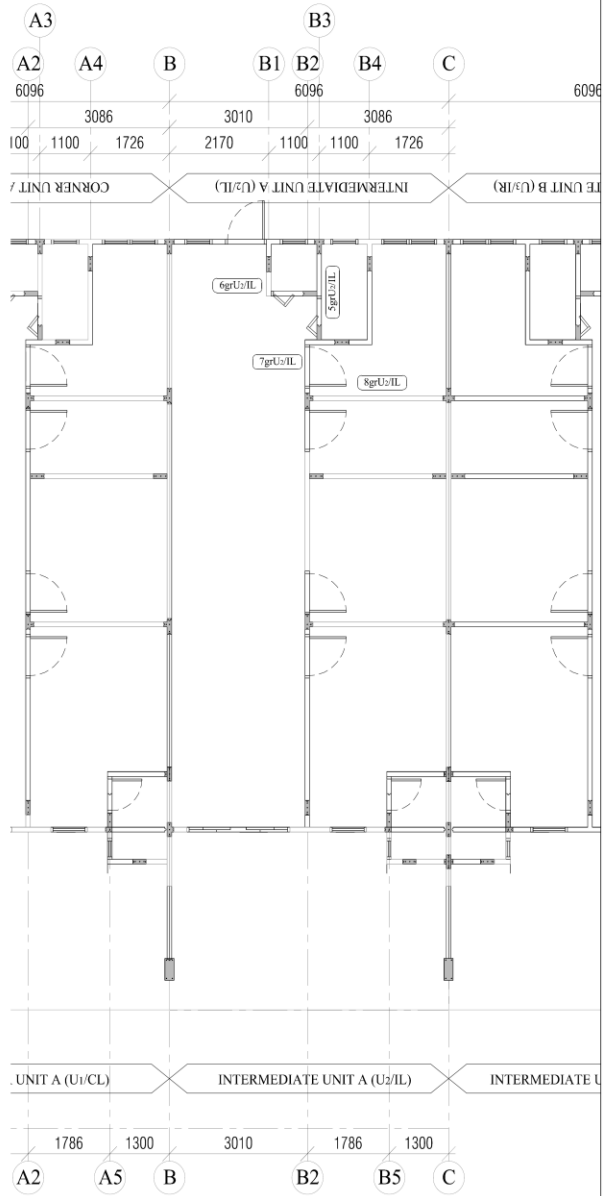
PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
SETINGKAT DI ATAS LOT. , MUKIM JUASSETI,
DAERAH KUALA PILAH,
NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE:	SINGLE STOREY TERRACE HOUSE INTERMEDIATE UNIT A - GROUND LEVEL ARCHITECTURAL WALL PANEL LIST
DRAWING NO.:	HC/
SCALE:	-
REV.:	A
REV.:	-

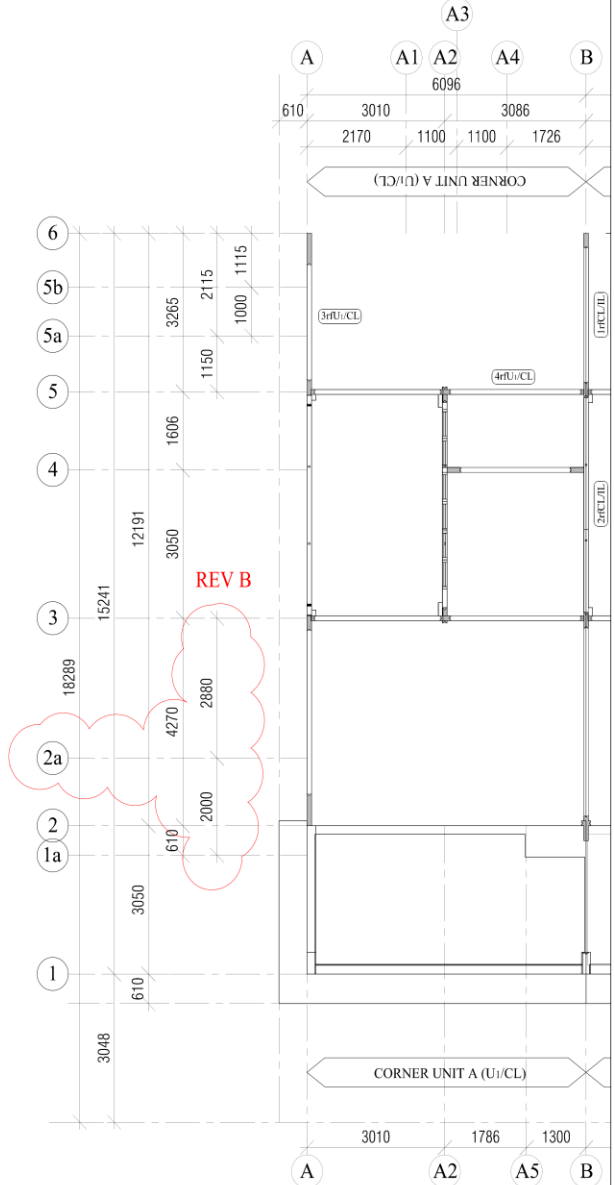
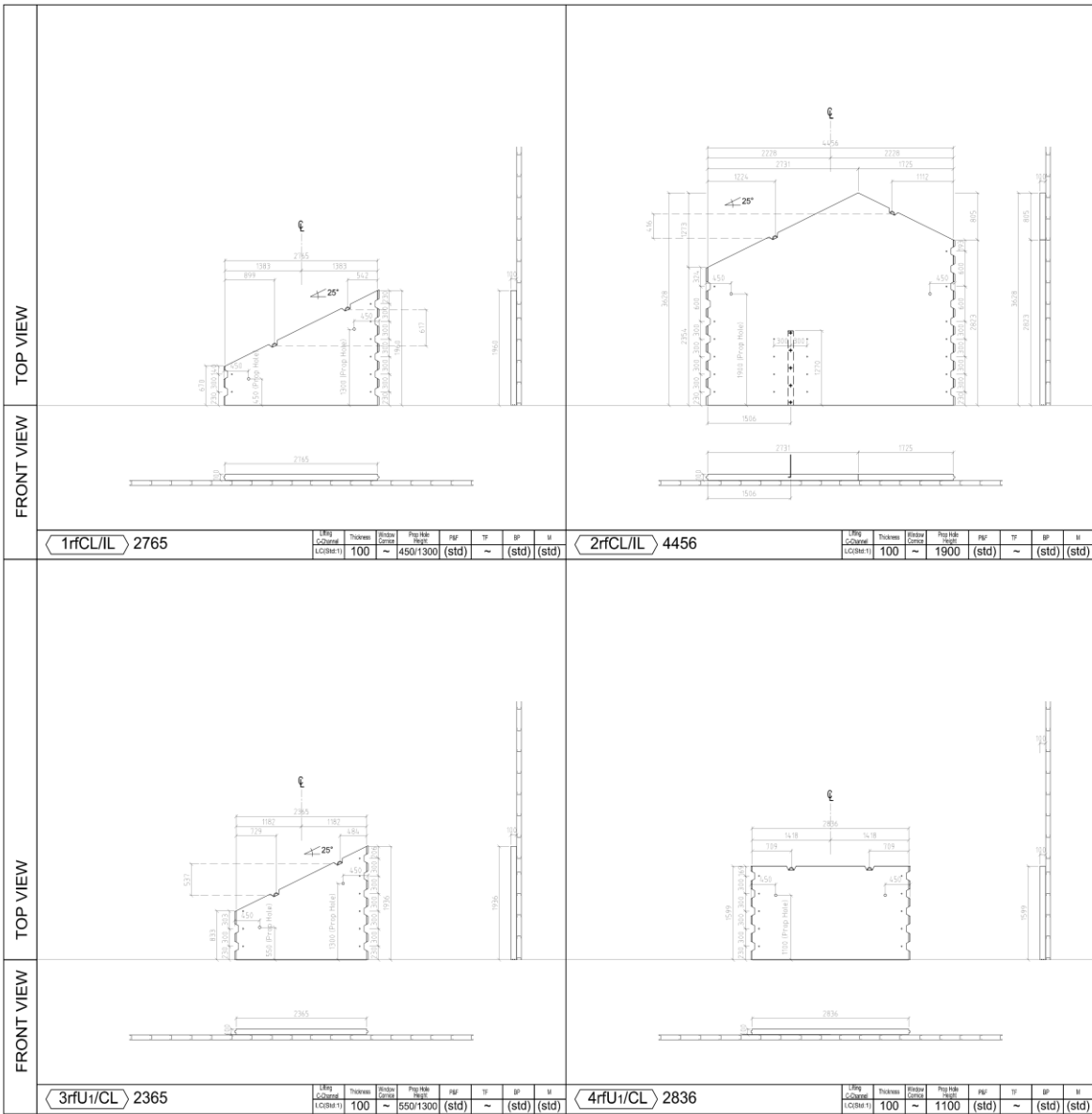
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DRAWN: KC	<p>PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES SETINGKAT DI ATAS LOT: , MUKIM JUASSEI, DAERAH KUALA PILAH, NEGERI SEMBILAN DARUL KHUSUS</p>	DATE: NOV 2019	DRAWING TITLE:
CHECKED: MENG		SINGLE STOREY TERRACE HOUSE INTERMEDIATE UNIT A - GROUND LEVEL A	
EXAM'D: MENG		DRAWING NO.:	
APP'RD: MENG		HC/	
SCALE: NTS		REVISIONS:	



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 CHECKED : **MENG**
 EXAM'D : **MENG**
 APP'D : **MENG**
 SCALE : **NTS**

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
 CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
 SETINGKAT DI ATAS LOT. , MUKIM JUASSEI,
 DAERAH KUALA PILAH,
 NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :
**SINGLE STOREY TERRACE HOUSE
 CORNER UNIT A - ROOF LEVEL
 ARCHITECTURAL WALL PANEL LIST**
 DRAWING NO : **HC/** REV : **B**
 SYSTEM : **-** REV : **-**

HC PRECAST SYSTEM

TITLE : 10 UNIT RUMAH TERES SETINGKAT DI ATAS LOT: , MUKIM JUASSEH, DAERAH KUALA PILAH
 TYPE : INTERMEDIATE UNIT B (U3/IR)
 CONCRETE: G30

GROUND LEVEL PRECAST WALL PANELS

	POSITION	PANEL NAME	Chequered Plate	Beam Opening	Refer site PS mould	Panel Height	P & F	Middle P & F	Window	Door	Starter Bar		Power pt.		Wall Light point	13A Switch 1475(h)	TV Outlet 325(h)	Tel Outlet 325(h)	DB/Meter 1675(h)	Cold Water Pipe	Volume (m³)	Weight (Tonnes)
											Side	Top	275(h)	1475(h)								
1	1grIR/IL	2765				3475	std				yes										0.966	2.328
2	2grU3/IR	2626 (W4)(W5)(W6)	yes			3475	std		W4,W5 & W6		yes										0.803	1.935
3	3grU3/IR	1515	yes			3475	std				yes										0.671	1.617
4	4.1grU3/IR	3070 (W7)(D6)(W8)	yes			3475	std		W7 & W8	D6	yes										0.823	1.983
5	5grU3/IR	1465 (D8)	yes			3475	std	std		D8	yes										0.361	0.870
6	6grU3/IR	800 (D9)				3475	std			D9	yes										0.244	0.588
7	7grU3/IR	1100 (D5)				3475	std			D5	yes									REV B	0.334	0.805
8	8grU3/IR	2836				3475	std				yes										0.991	2.388
9	10.2grIR/IL	4456				2970	std	std			yes										1.328	3.200
10	11grU3/IR	2386				3475	std				yes										0.834	2.010
11	12grU3/IR	2836				3475	std				yes										0.991	2.388
12	13grU3/IR	4256 (D4)(D3)				2970	std	std		D3 & D4	yes										0.828	1.995
13	15.1grIR/IL	3870				3475	std				yes										1.350	3.254
14	17grU3/IR	1250 (D7)	yes			3475	std			D7	yes										0.496	1.195
15	18grU3/IR	3520 (D2)				3475	std			D2	yes									REV B	0.984	2.371
16	20.1grU3/IR	660 (W2)(W3)	yes			3020	std		W2 & W3		yes	yes									0.239	0.576
17	20.3grU3/IR	600	yes			3020	std				yes	yes									0.186	0.448
18	20.5grIR/IL	2520				3020	std				yes	yes									0.176	0.424
19	21.1grU3/IR	5896 (D1)(W1)				3475	std		W1	D1	yes										1.011	2.437

REV B 13.616 32.812

SYSTEM PROVIDER

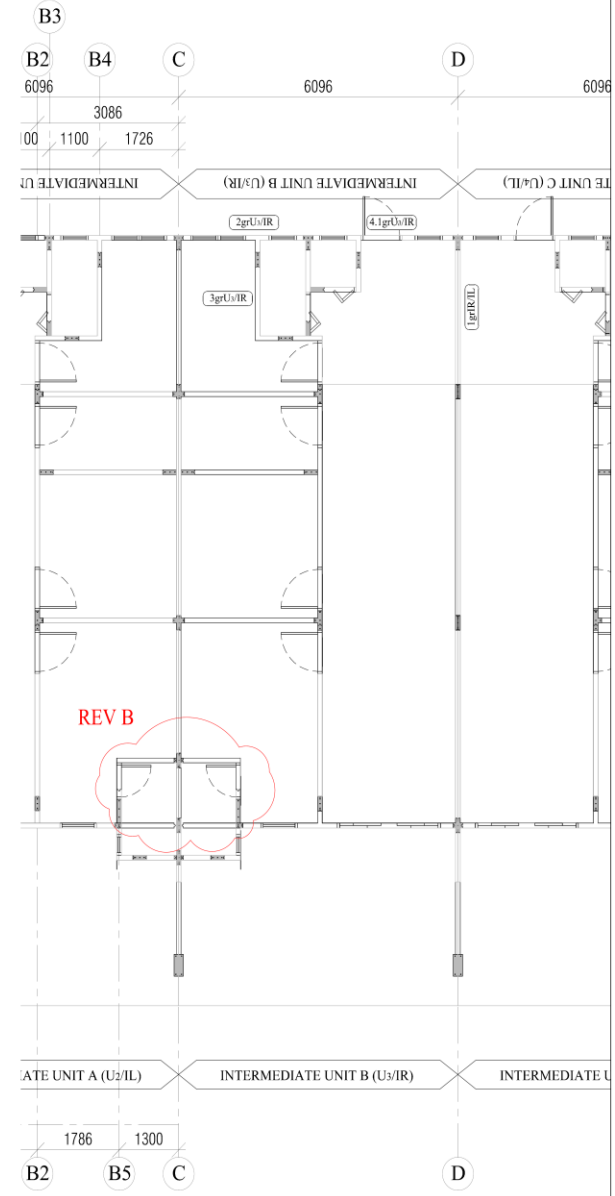
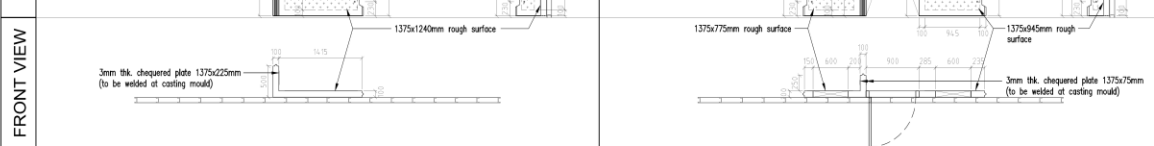
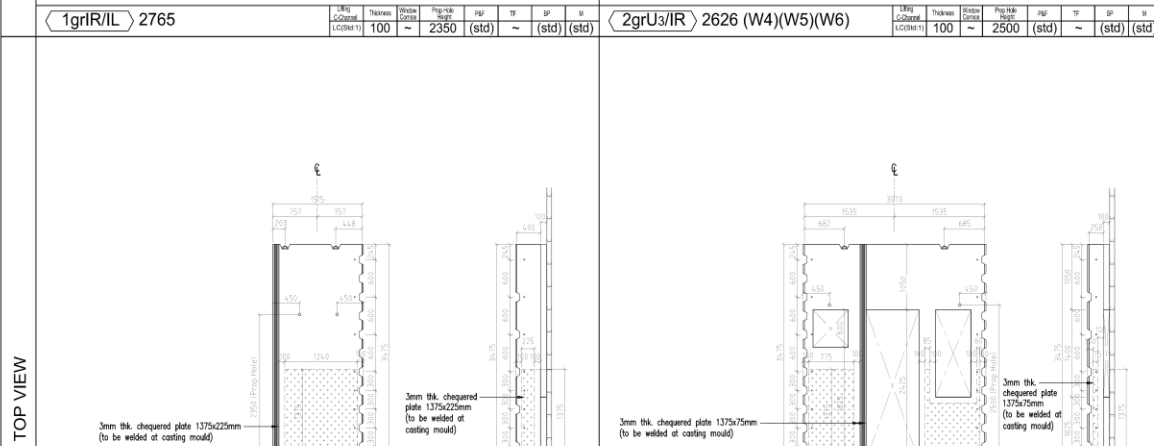
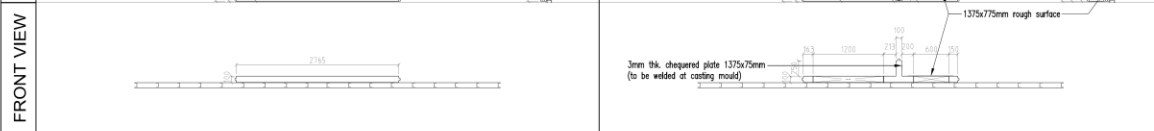
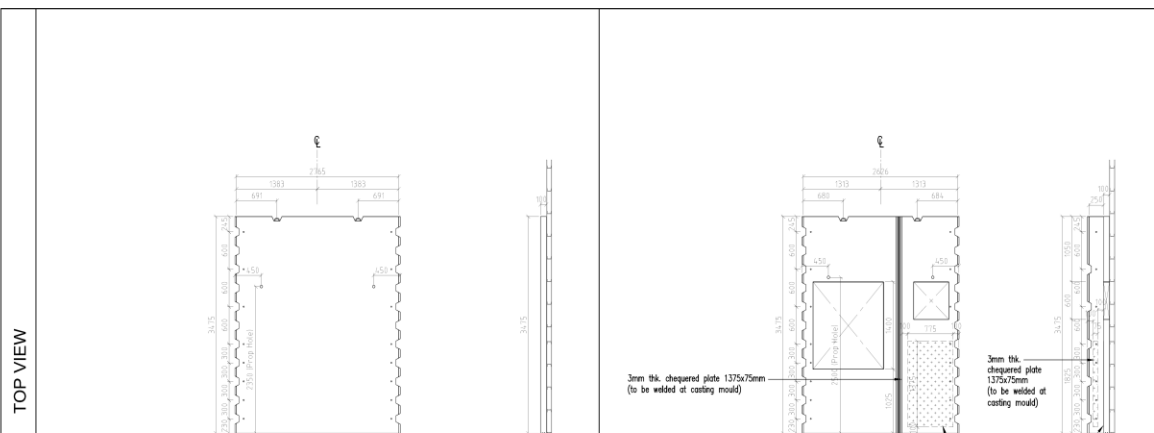
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 Daerah Hulu Selangor, 44200 Rasa, Selangor D.E.
 Tel:03-3325 8995 Fax:03-3325 8996

DRAWN :	KC
DATE :	NOV 2019
CHECKED :	MENG
EXAM'D :	MENG
APP'D :	MENG
SCALE :	NTS

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
 CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
 SETINGKAT DI ATAS LOT: , MUKIM JUASSEH,
 DAERAH KUALA PILAH,
 NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :	
SINGLE STOREY TERRACE HOUSE INTERMEDIATE UNIT B - GROUND LEVEL PRECAST WALL PANELS TABLE	
DRAWING NO :	REV :
HC/	B
SYSTEM :	REV :
-	-



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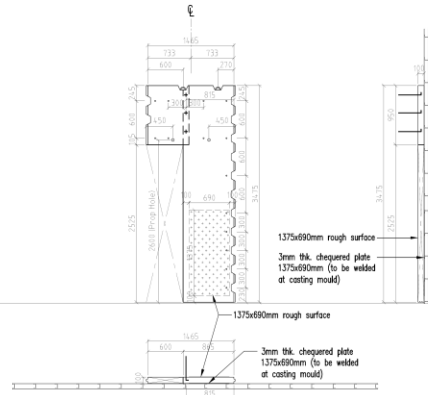
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APP'D : MENG
SCALE : NTS

DRAWING TITLE :
 SINGLE STOREY TERRACE HOUSE
 INTERMEDIATE UNIT B - GROUND LEVEL
 ARCHITECTURAL WALL PANEL LIST

DRAWING NO. : HC/
REV : B

TOP VIEW
FRONT VIEW

REV B



5grU3/IR 1465 (D8)

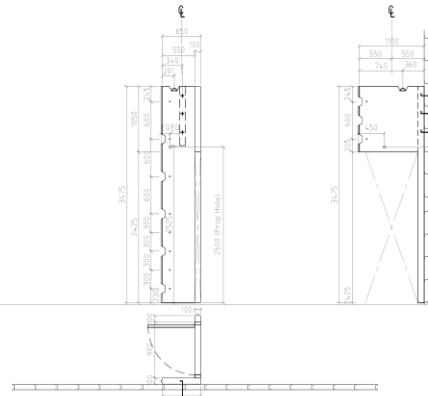
UFG CODE	Thickness	Width	Pre-finish	RF	TF	BP	M
LC08M11	100	~ 2600	(std)	~	(std)	(std)	

6grU3/IR 800 (D9)

UFG CODE	Thickness	Width	Pre-finish	RF	TF	BP	M
LC09M11	100	~ 2600	(std)	~	(std)	(std)	

TOP VIEW
FRONT VIEW

REV B

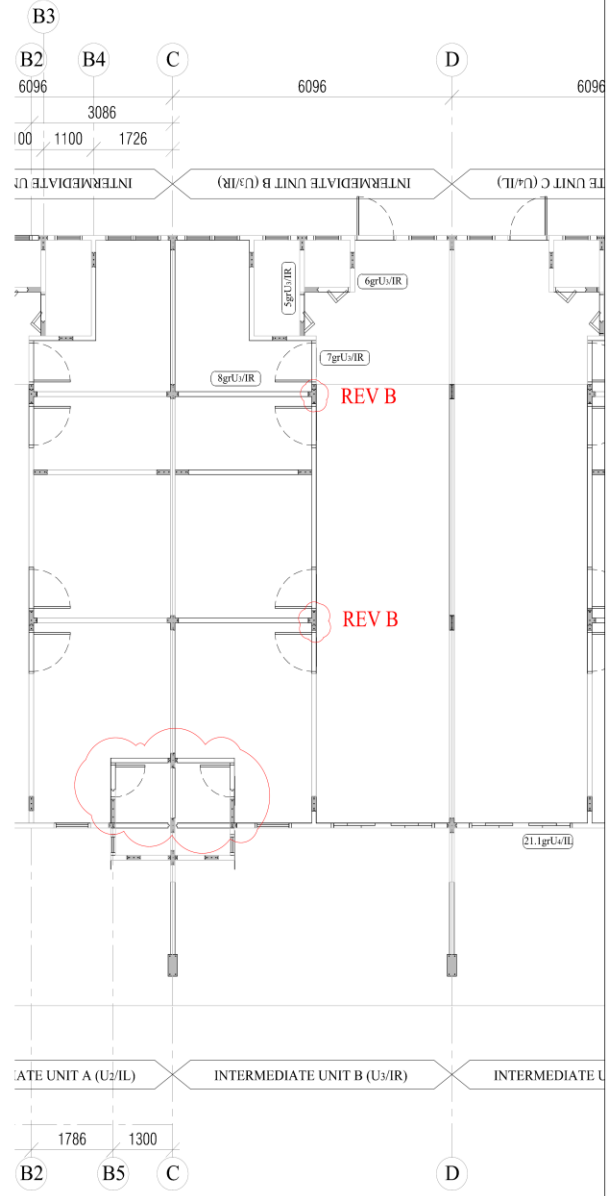


7grU3/IR 1100 (D5)

UFG CODE	Thickness	Width	Pre-finish	RF	TF	BP	M
LC08M11	100	~ 2500	(std)	~	(std)	(std)	

8grU3/IR 2836

UFG CODE	Thickness	Width	Pre-finish	RF	TF	BP	M
LC09M11	100	~ 2350	(std)	~	(std)	(std)	



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DRAWN :

KC

DATE :

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EXAM'D :

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APP'D :

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SCALE :

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NOV 2019

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DRAWING TITLE :

SINGLE STOREY TERRACE HOUSE
 INTERMEDIATE UNIT B - GROUND LEVEL
 ARCHITECTURAL WALL PANEL LIST

DRAWING NO :

HC/

REV :

B

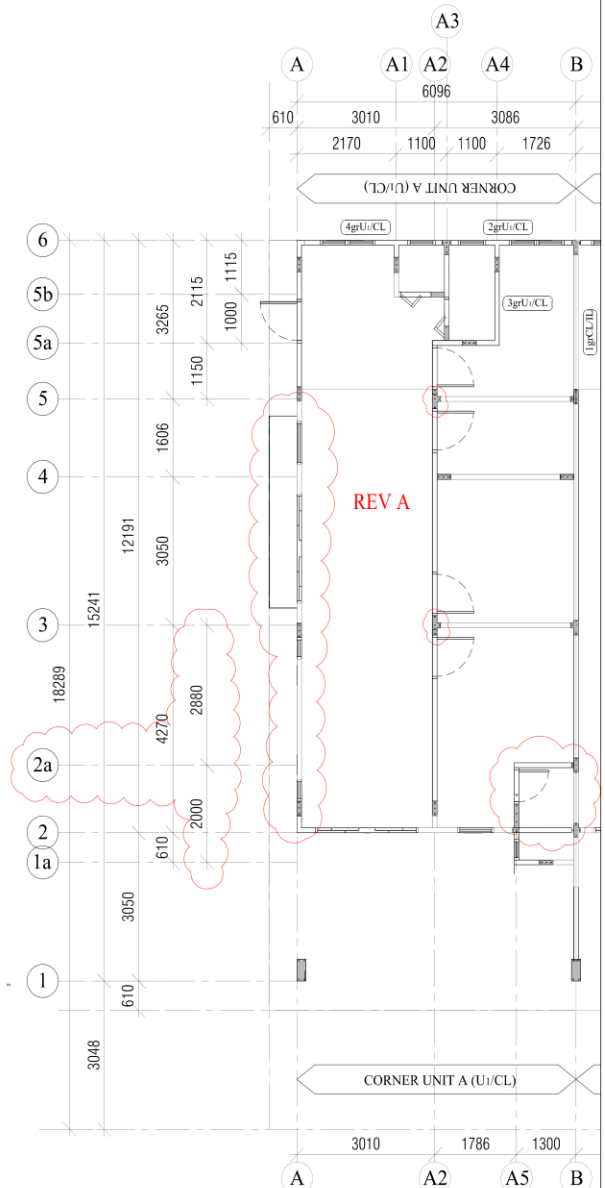
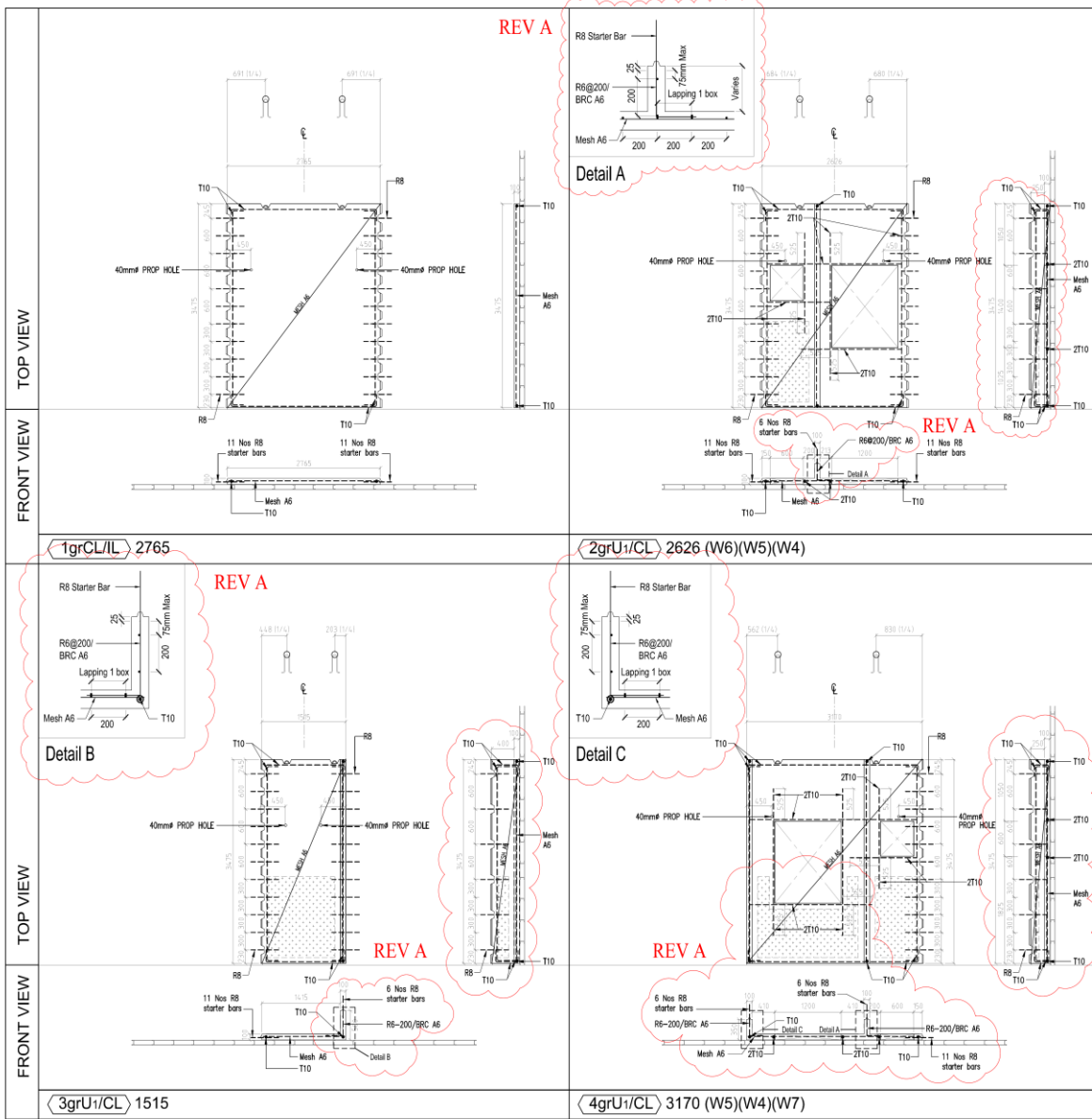
SYSTEM :

-

-

Structural Panel List

Corner Unit A U1/CL
(GL & RL)



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DRAWN : KC
DATE : NOV 2019
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APP'D : WENG
SCALE : NTS

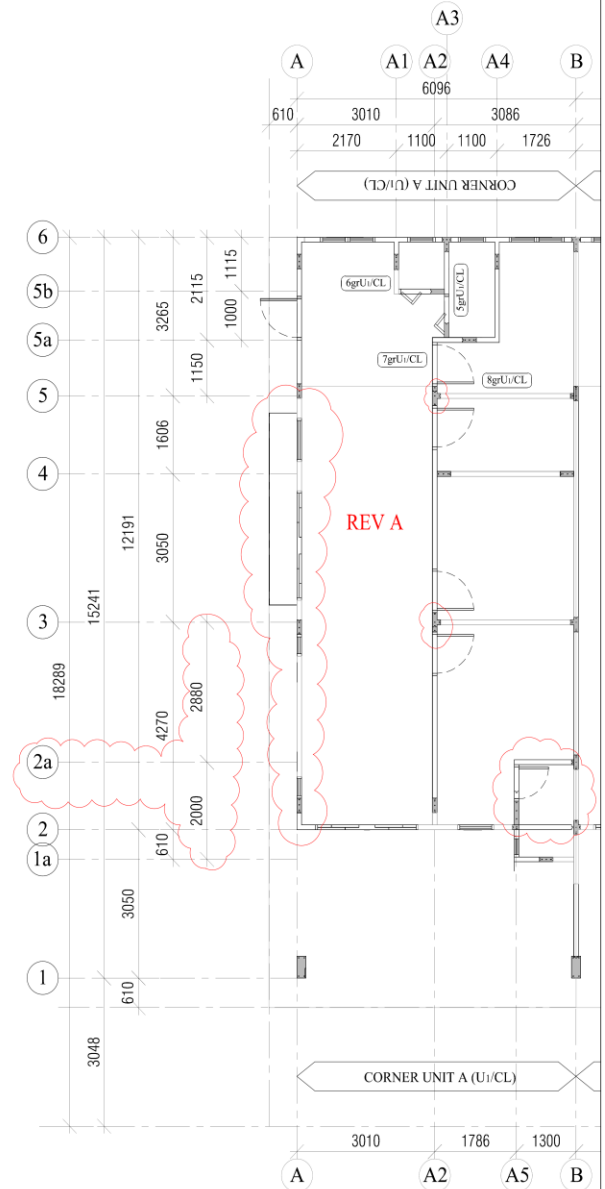
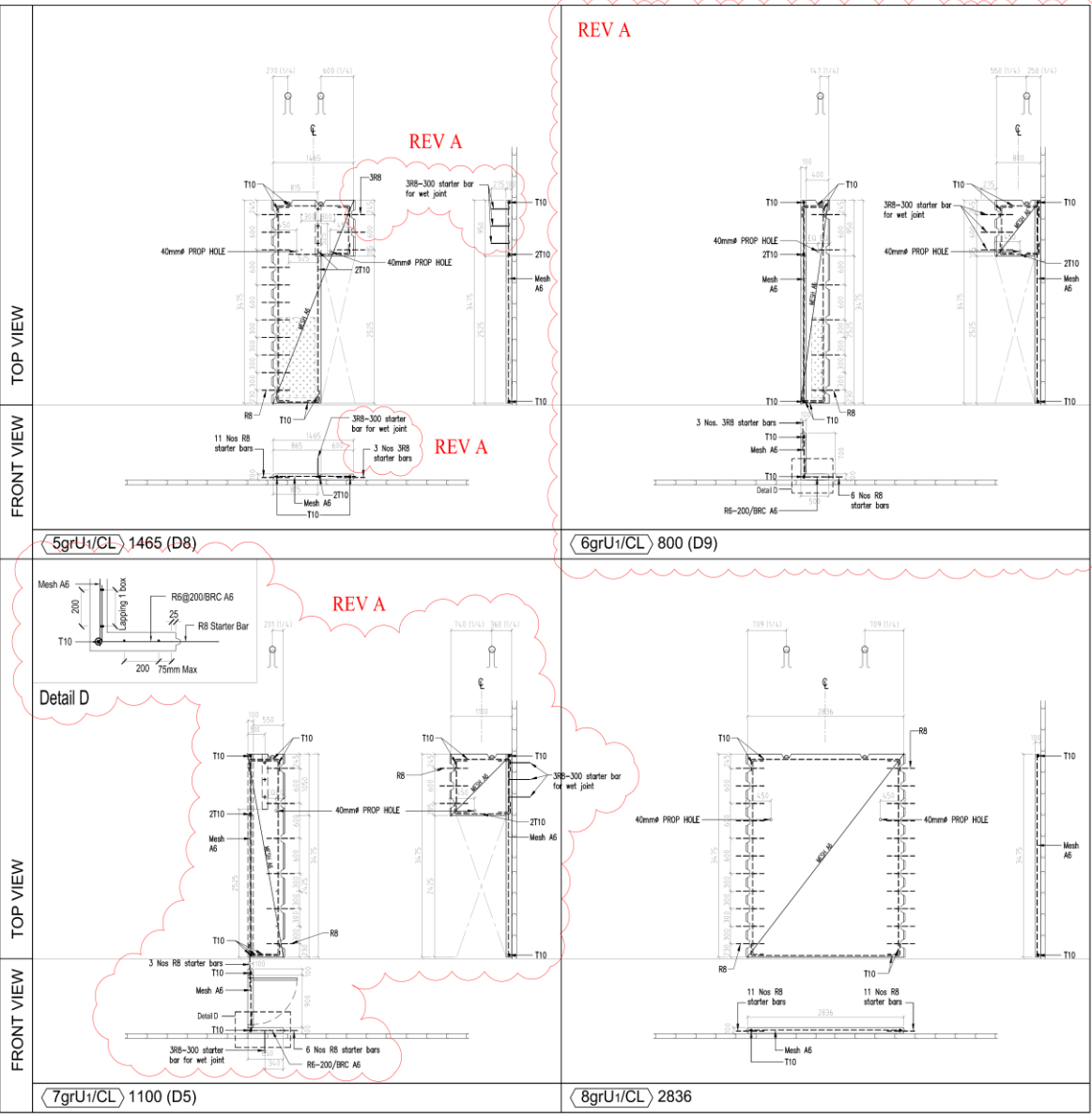
PROJECT TITLE :
PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
SETINGKAT DI ATAS LOT : , MUKIM JUASSETI,
DAERAH KUALA PILAH,
NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :
SINGLE STOREY TERRACE HOUSE
CORNER UNIT A - GROUND LEVEL
STRUCTURAL WALL PANEL LIST

DRAWING NO :
HC/

REV :
A

SCALE :
-



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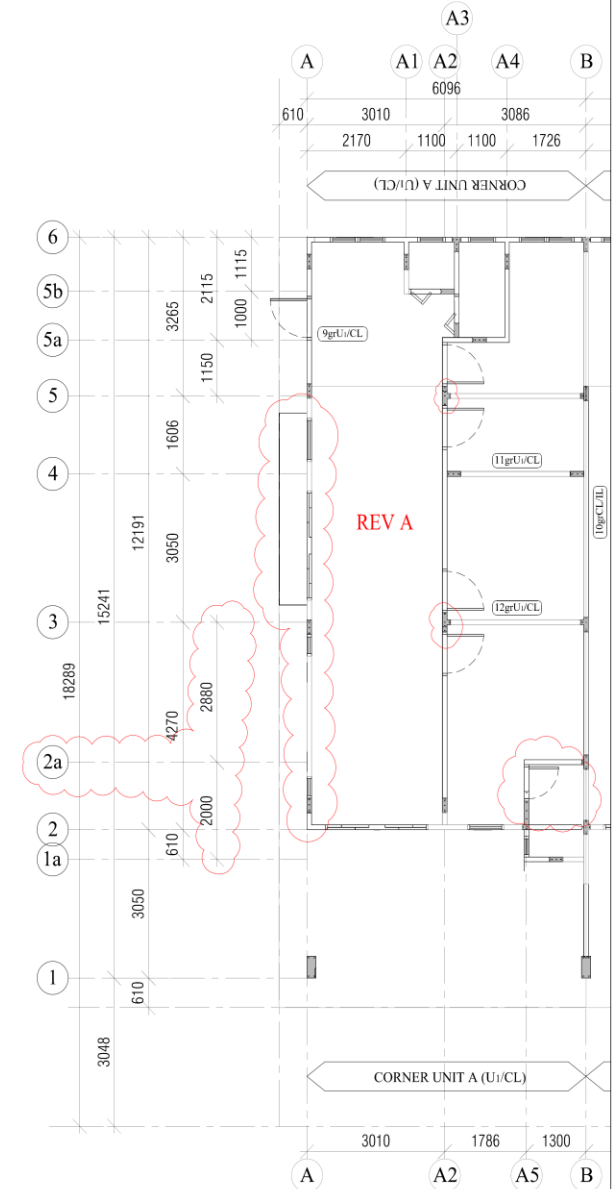
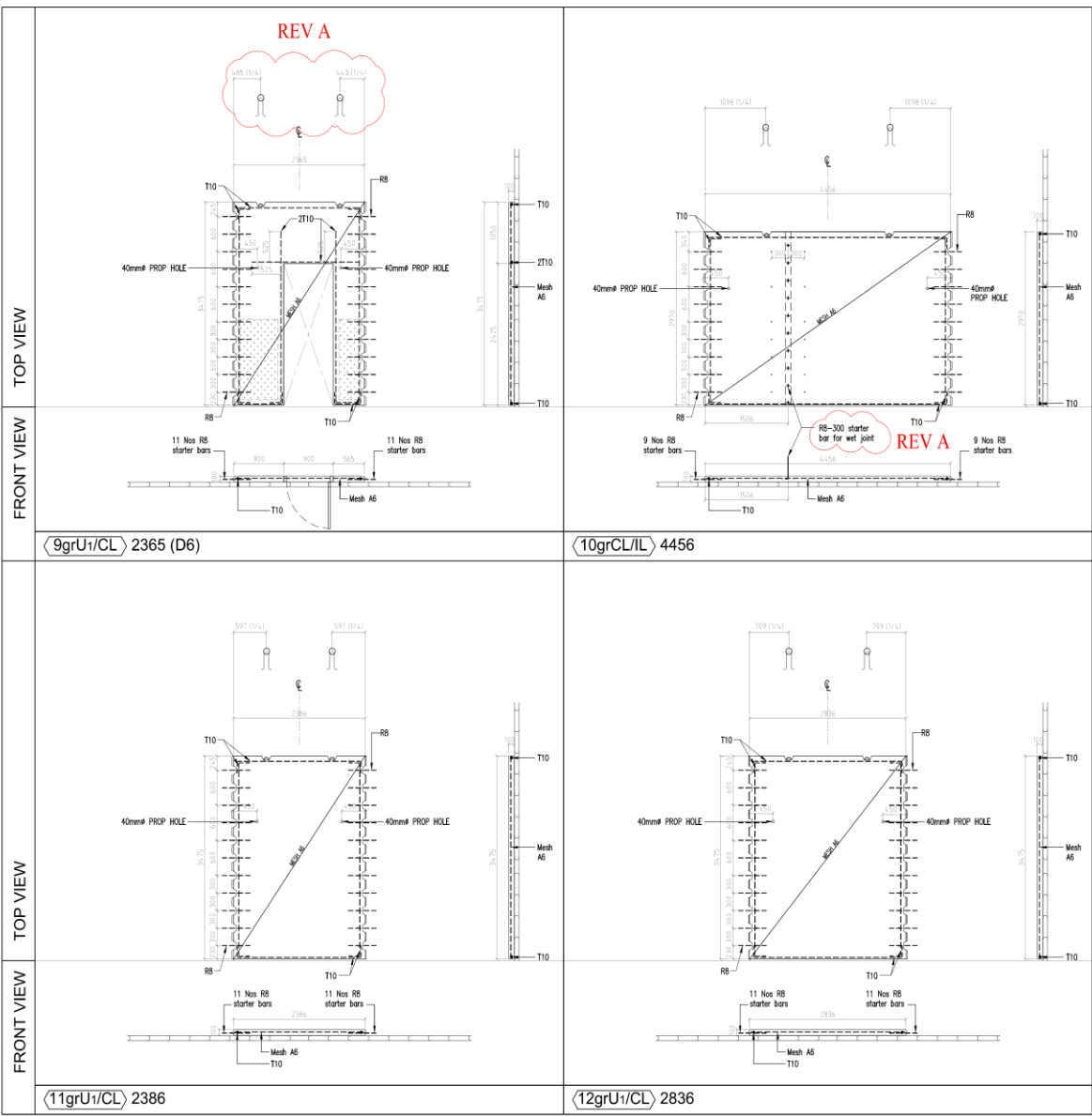
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 DATE: **NOV 2019**
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 APPROVED BY: **MENG**
 SCALE: **NTS**


PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
 CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
 SETINGKAT DI ATAS LOT: , MUKIM JUASSEI,
 DAERAH KUALA PILAH,
 NEGERI SEMBILAN DARUL KHUSUS

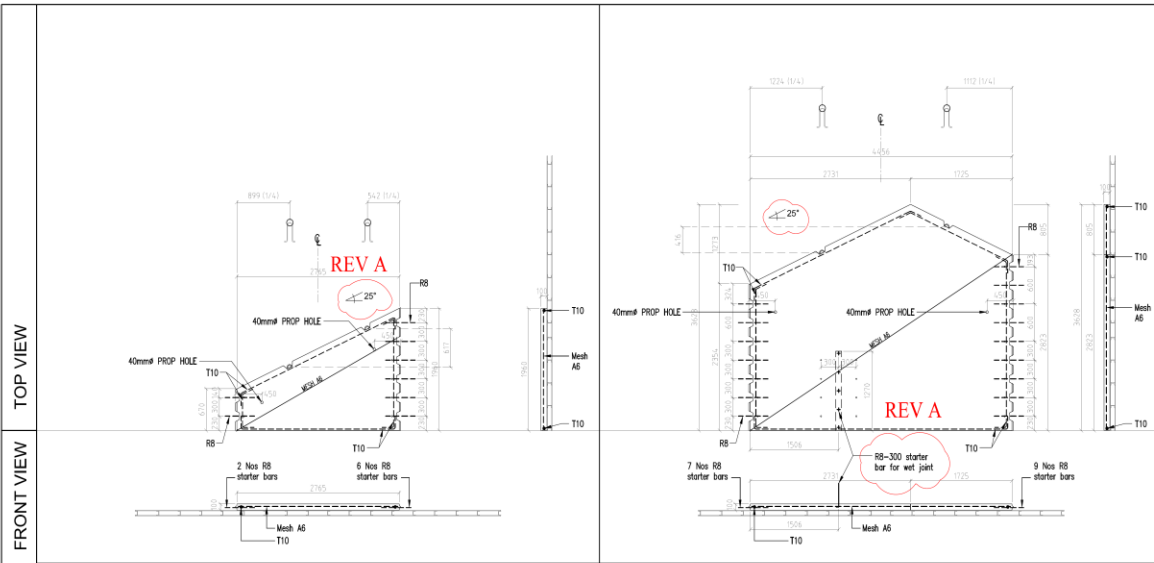
DRAWING TITLE:
**SINGLE STOREY TERRACE HOUSE
 CORNER UNIT A - GROUND LEVEL
 STRUCTURAL WALL PANEL LIST**

DRAWING NO.: **HC/** REV: **A**
 SYSTEM: **-** REV: **-**

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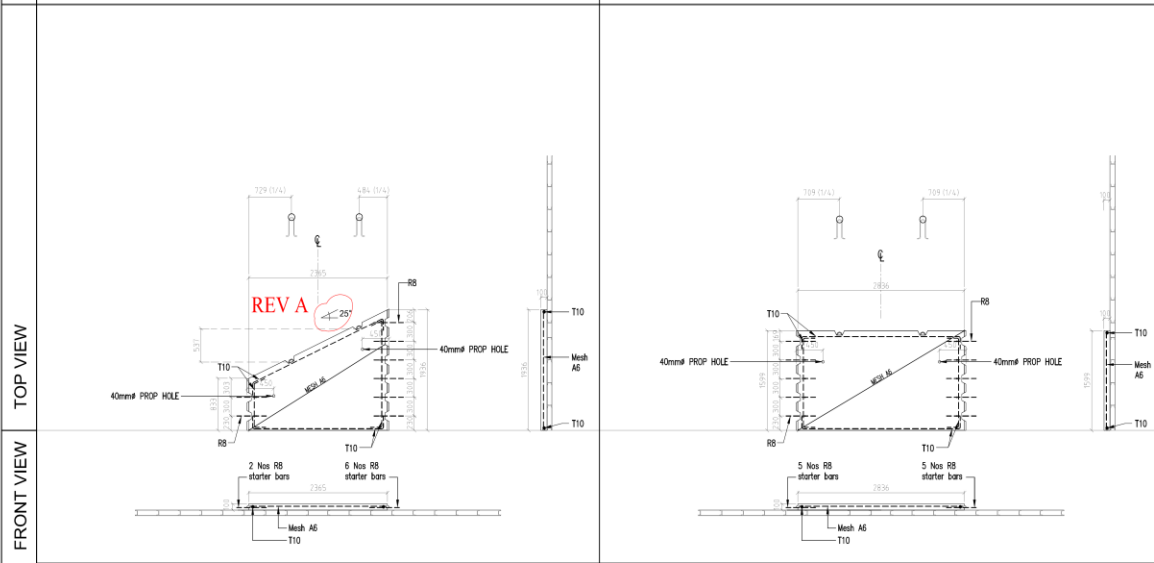


 HC PRECAST SYSTEM SDN. BHD. (586697-M) No.23B, Jalan Seri Sarawak 20B/KS2, Taman Seri Andalas, 41200 Klang, Selangor D.E. Tel:03-3325 8995 Fax:03-3325 8996 e-mail:enquiry@hcprecast.com.my, Http://www.hcprecast.com.my	MANUFACTURER HC MANUFACTURING SDN. BHD. (585570-T) Lot 1, Jalan Zurah 8, Pusat Perindustrian Zurah, Mukim Raso, Daerah Hulu Selangor, 44200 Raso, Selangor D.E. Tel:03-3325 8995 Fax:03-3325 8996	DRAWN : KC DATE : NOV 2019 CHECKED : MENG EXAM'D : MENG APPR'D : MENG SCALE : NTS	KC NOV 2019 MENG MENG MENG NTS	PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES SETINGKAT DI ATAS LOT , MUKIM JUASSEI, DAERAH KUALA PILAH, NEGERI SEMBILAN DARUL KHUSUS	DRAWING TITLE : SINGLE STOREY TERRACE HOUSE CORNER UNIT A - GROUND LEVEL STRUCTURAL WALL PANEL LIST
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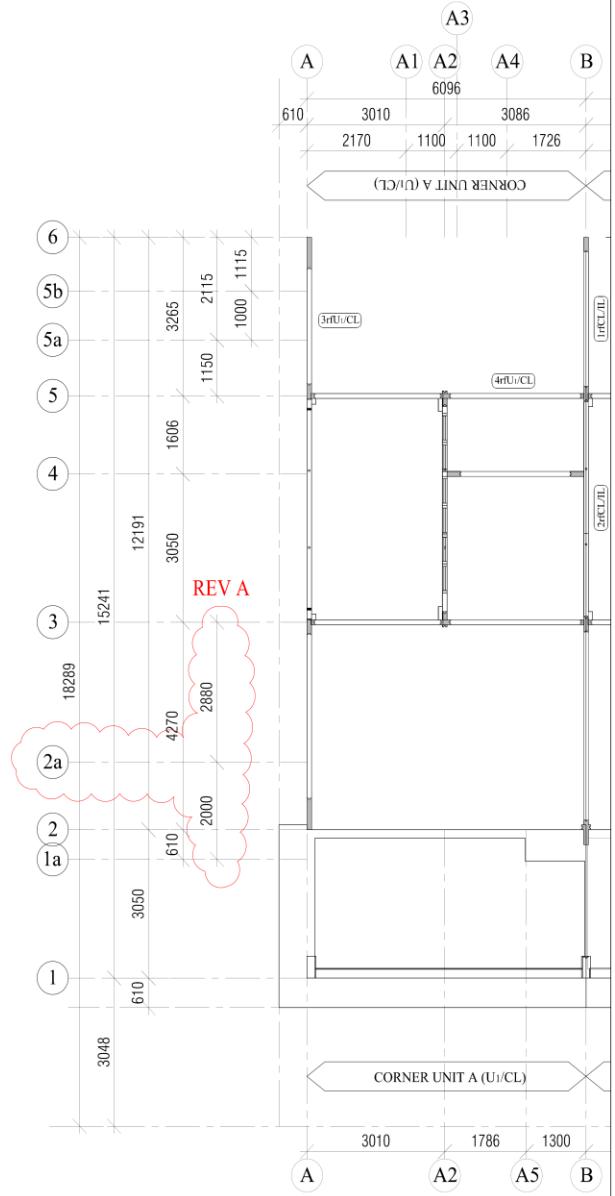
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2fCL/IL 4456



3fU1/CL 2365

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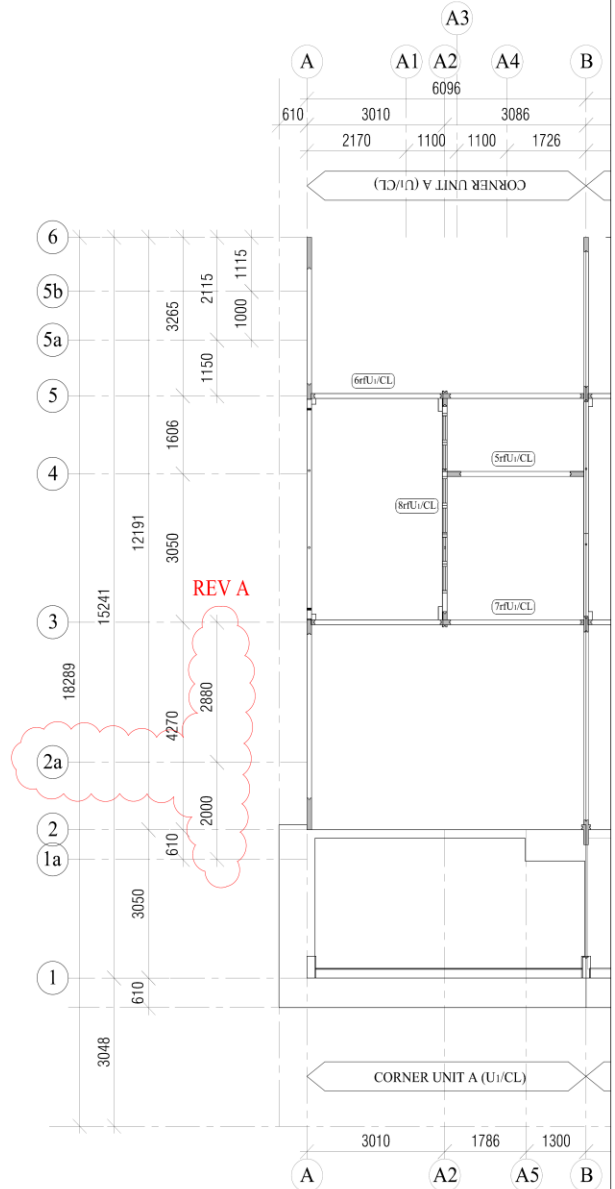
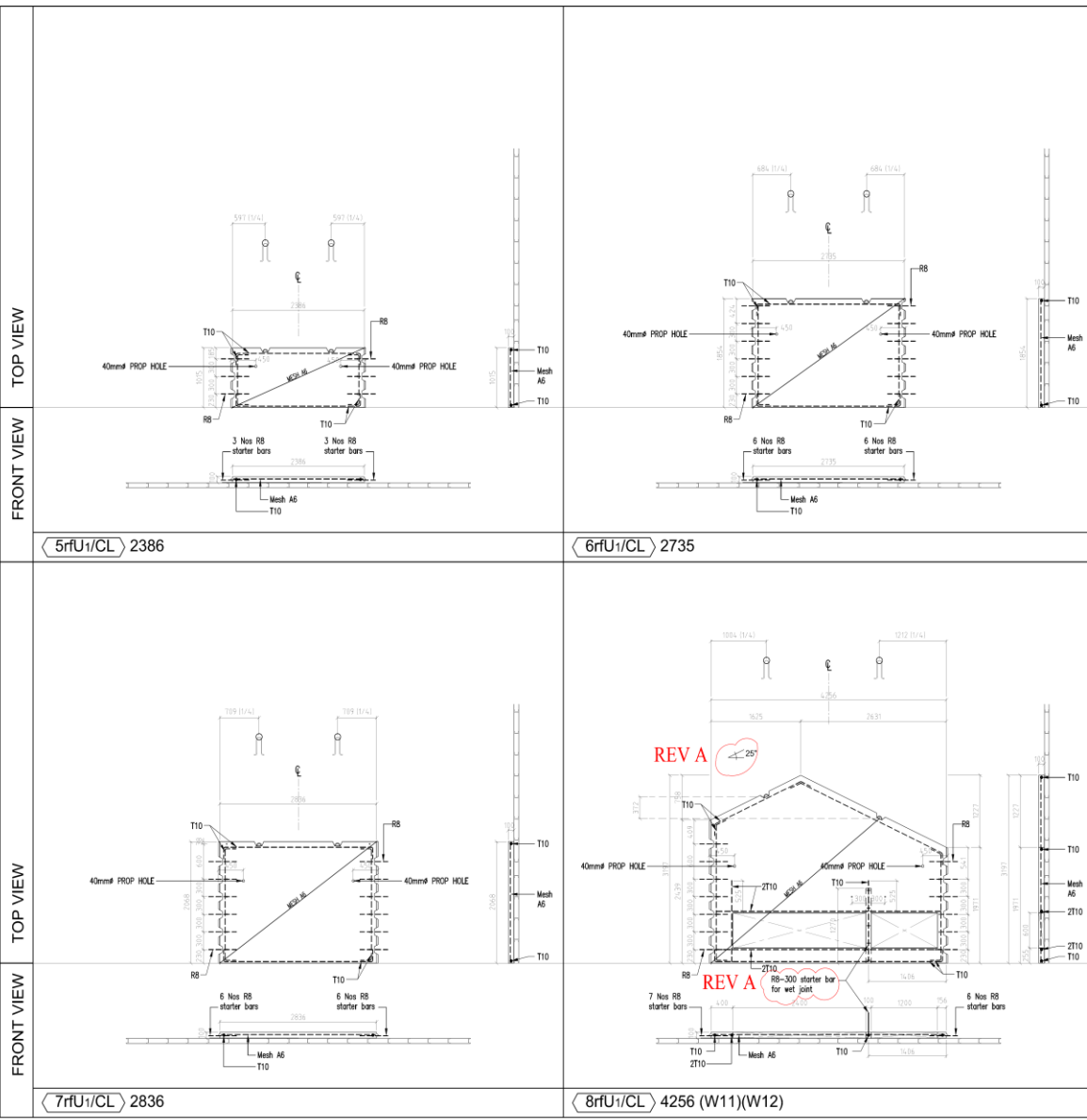
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DRAWN : KC
 DATE : NOV 2019
 CHECKED : MENG
 EXAM'D : MENG
 APPRO'D : MENG
 SCALE : NTS

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
 CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
 SETINGKAT DI ATAS LOT , MUKIM JUASSEI,
 DAERAH KUALA PILAH,
 NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :
 SINGLE STOREY TERRACE HOUSE
 CORNER UNIT A - ROOF LEVEL
 STRUCTURAL WALL PANEL LIST
 DRAWING NO : HC/ REV : A
 SYSTEM : - REV : -



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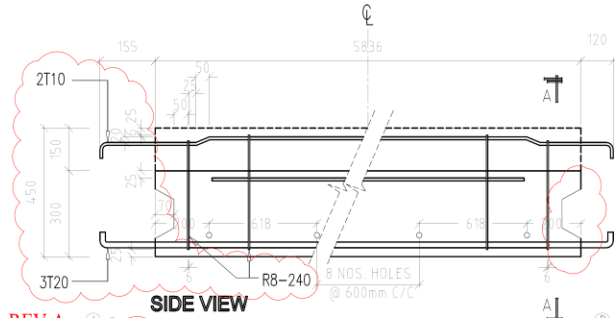
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 DATE : **NOV 2019**
 CHECKED : **MENG**
 EXAM'D : **MENG**
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 SCALE : **NTS**

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
 CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
 SETINGKAT DI ATAS LOT , MUKIM JUASSEI,
 DAERAH KUALA PILAH,
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DRAWING TITLE :
**SINGLE STOREY TERRACE HOUSE
 CORNER UNIT A - ROOF LEVEL
 STRUCTURAL WALL PANEL LIST**

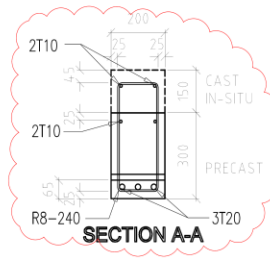
DRAWING NO : **HC/** REV : **A**
 SYSTEM : **-** REV : **-**

Structural Precast & Cast In-situ Beam



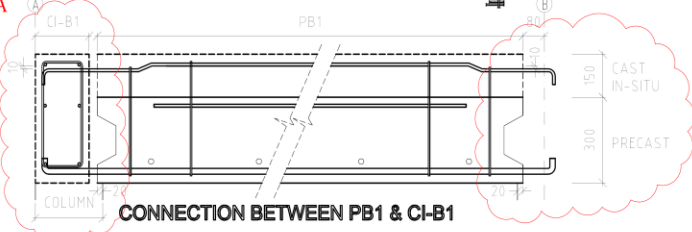
REV A

SIDE VIEW



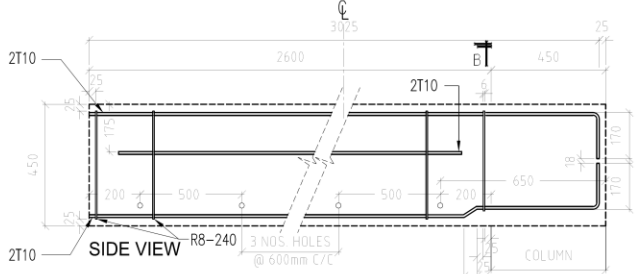
REV A

SECTION A-A



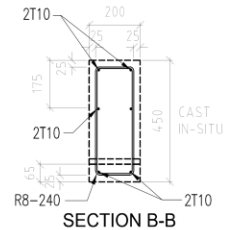
CONNECTION BETWEEN PB1 & CI-B1

PB1 U1/CL 5836

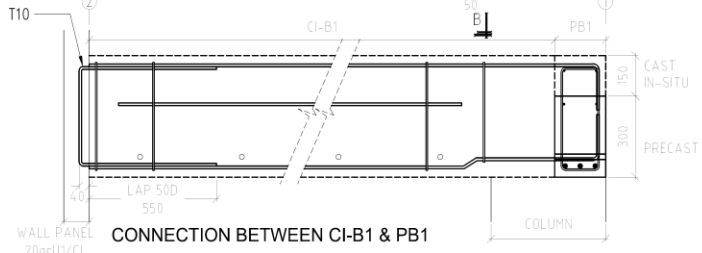


REV A

SIDE VIEW

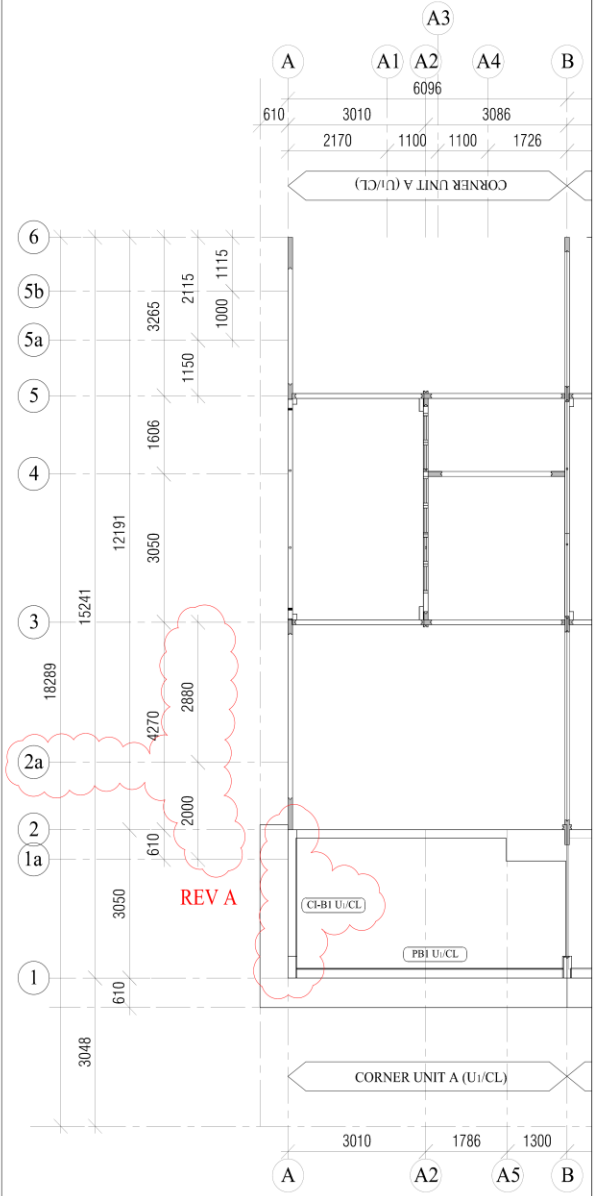


SECTION B-B



CONNECTION BETWEEN CI-B1 & PB1

CI-B1 U1/CL 3050



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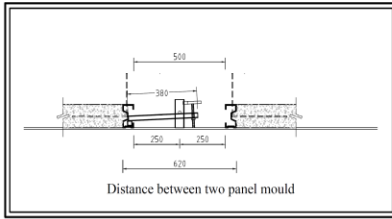
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DATE :	NOV 2019
CHECKED :	MENG
ENGR :	MENG
APPR :	MENG
SCALE :	NTS

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
 CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
 SETINGKAT DI ATAS LOT : , MUKIM JUASSEI,
 DAERAH KUALA PILAH,
 NEGERI SEMBILAN DARUL KHUSUS

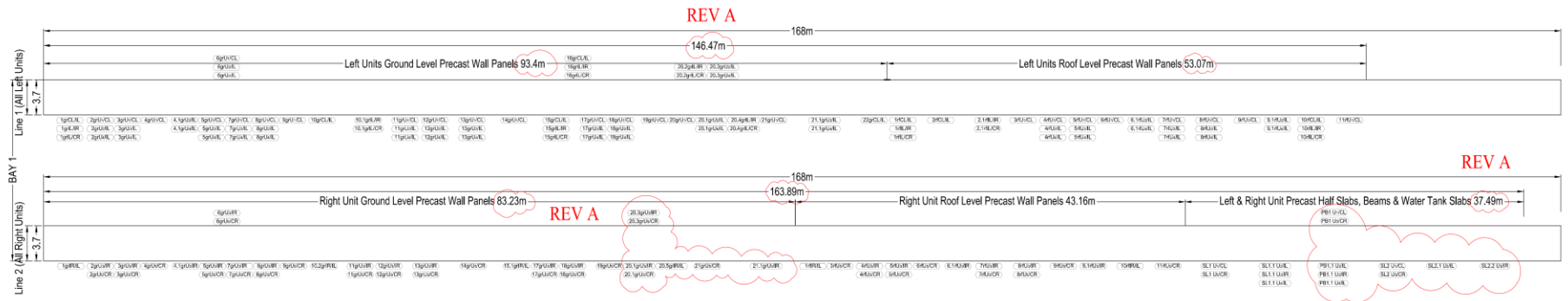
DRAWING TITLE :	SINGLE STOREY TERRACE HOUSE CORNER UNIT A - ROOF LEVEL STRUCTURAL PRECAST BEAM LIST
DRAWING NO. :	HC/
REV :	A
SYSTEM :	-

Panel Mould Setting Out (Off-site)


Panel Mould Arrangement at Bay Yard



CP : Chequered Plated
BOM : Beam Opening Mould



SYSTEM PROVIDER



HC PRECAST SYSTEM SDN. BHD. (586697-M)
No.23B, Jalan Seri Sarawak 20B/KS2, Taman Seri Andalas,
41200 Klang, Selangor D.E. Tel:03-3325 8995 Fax:03-3325 8996
e-mail:enquiry@hccprecast.com.my, Http://www.hccprecast.com.my

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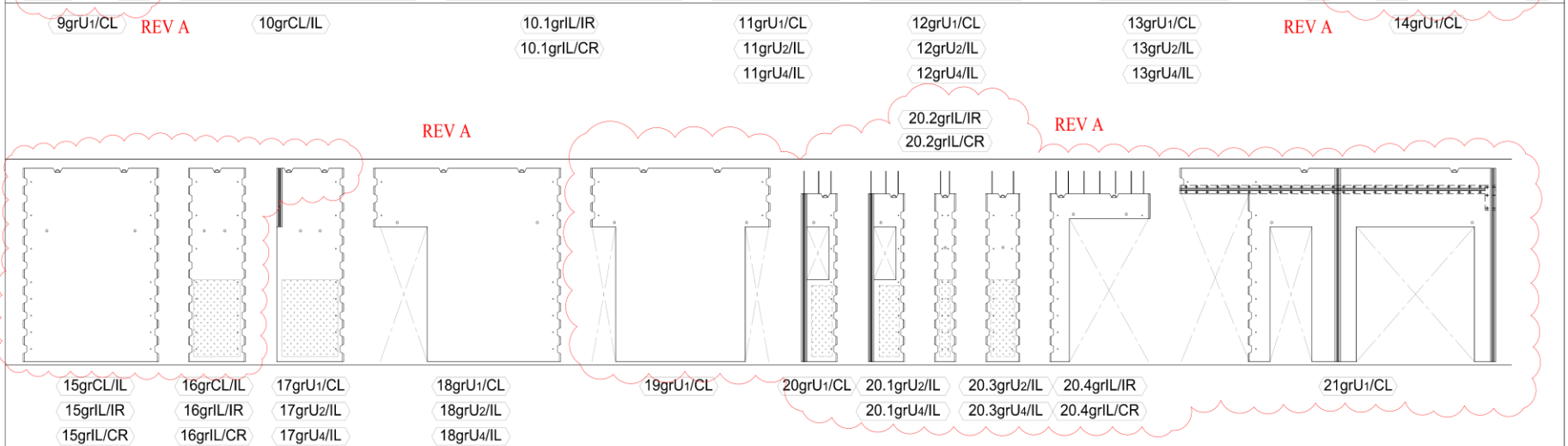
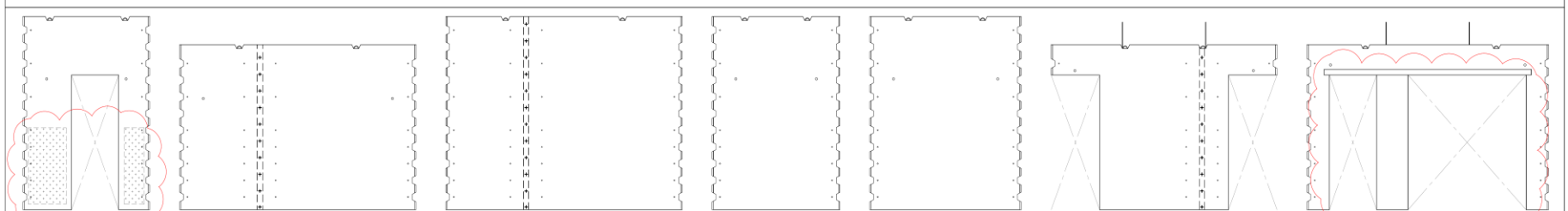
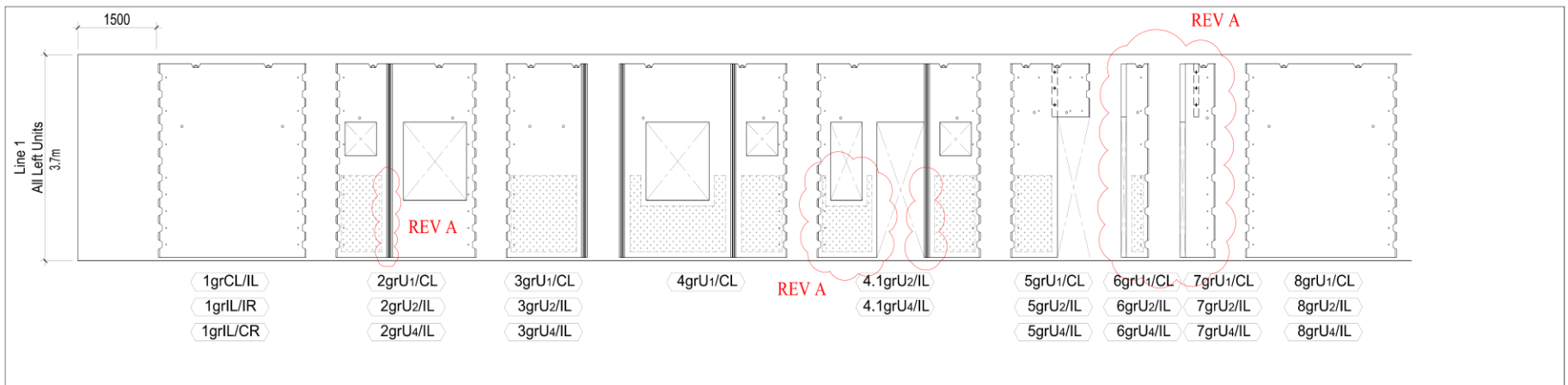
MANUFACTURER

HC MANUFACTURING SDN. BHD. (585570-T)
Lot 1, Jalan Zurah 8, Pusat Perindustrian Zurah, Mukim Rasa,
Daerah Hulu Selangor, 44200 Rasa, Selangor D.E.
Tel:03-3325 8995 Fax:03-3325 8996

DRAWN :	KC
DATE :	DEC 2019
CHECKED :	MENG
EXAMD :	MENG
APPRD :	MENG
SCALE :	NTS

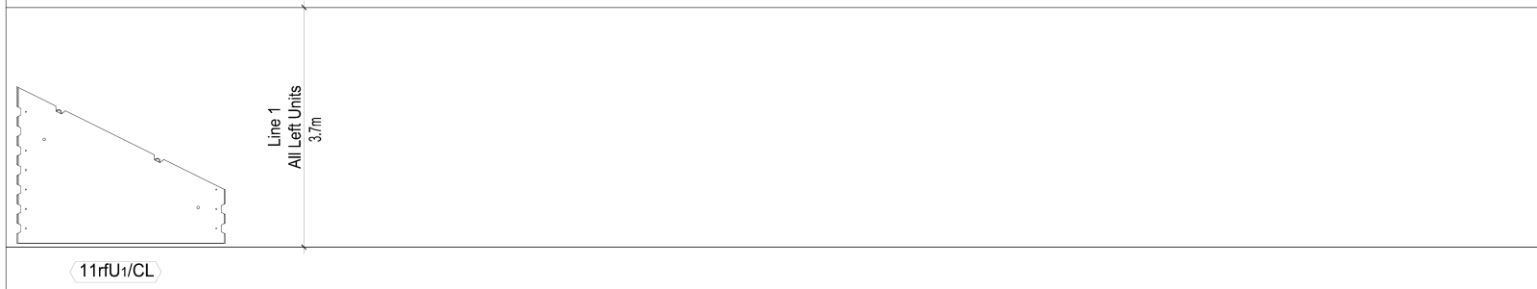
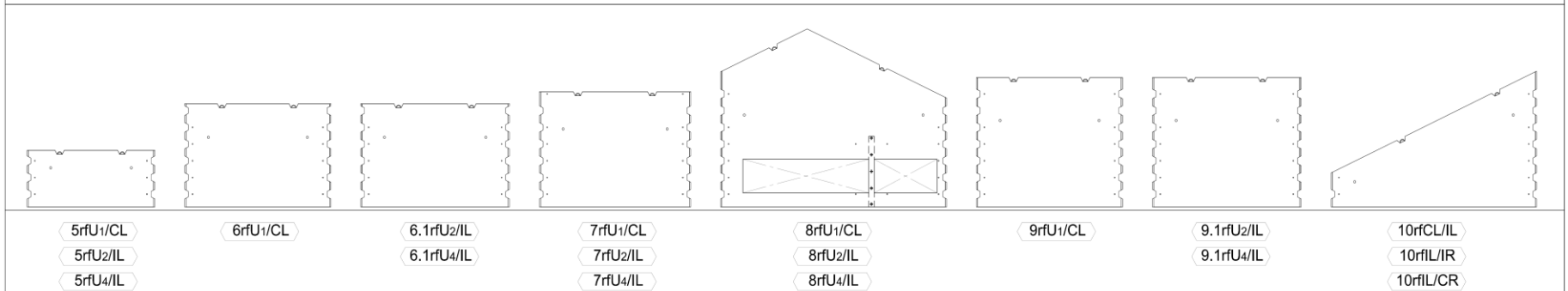
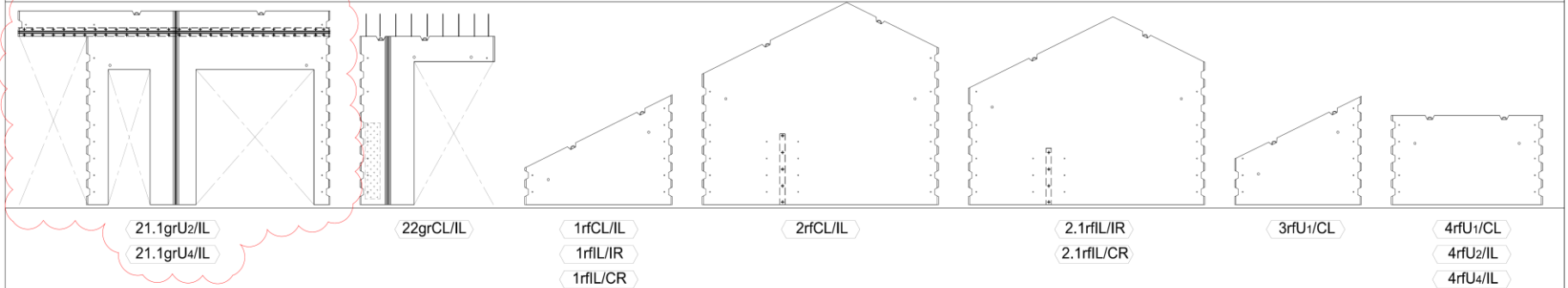
PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
SETINGKAT DI ATAS LOT. , MUKIM JUASSEI,
DAERAH KUALA PILAH,
NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :	
SINGLE STOREY TERRACE HOUSE (ALL UNITS) PANEL CASTING ARRANGEMENT	
DRAWING NO :	HC/
SYSTEM :	-
REV :	A
REV :	-

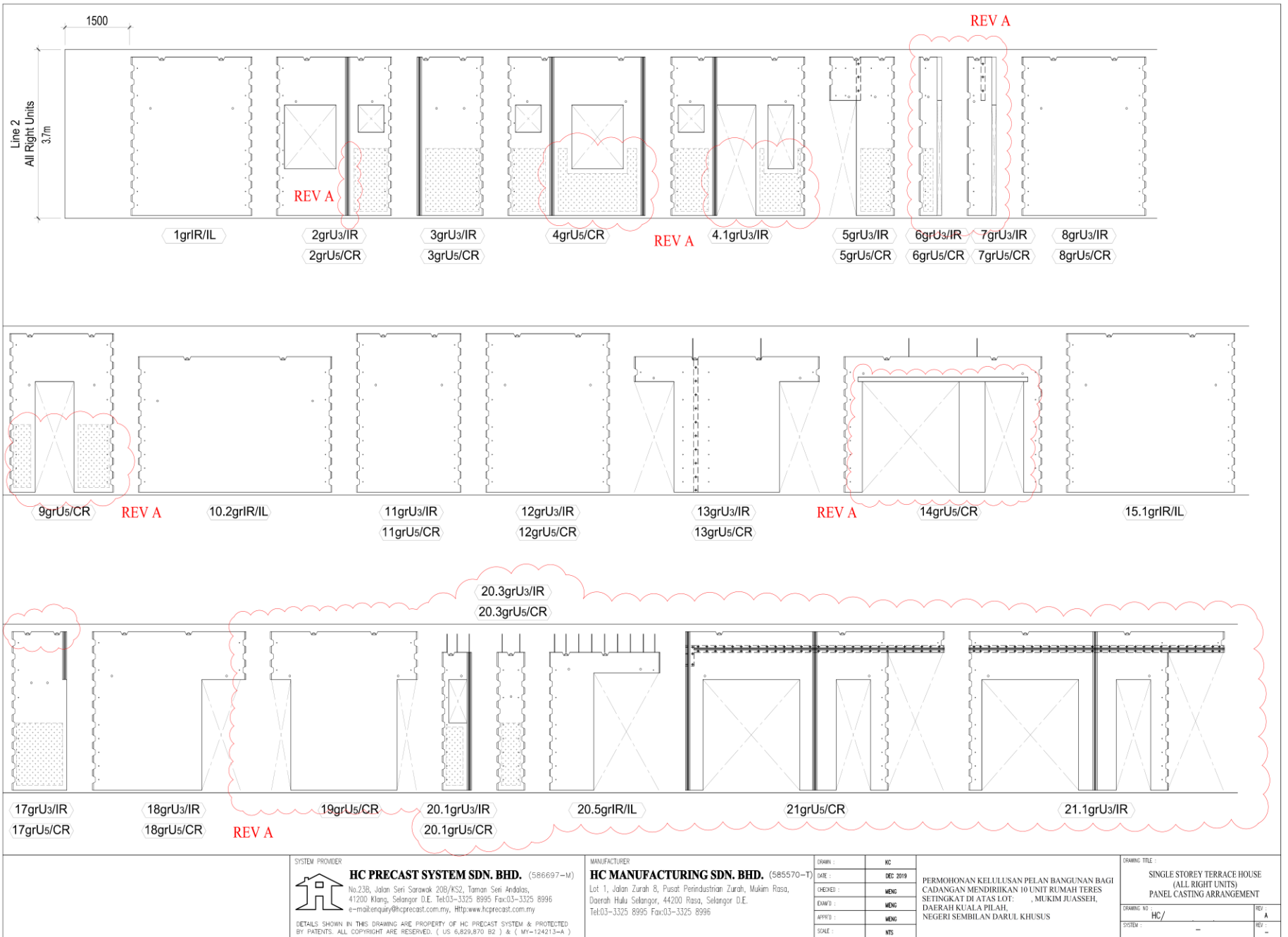


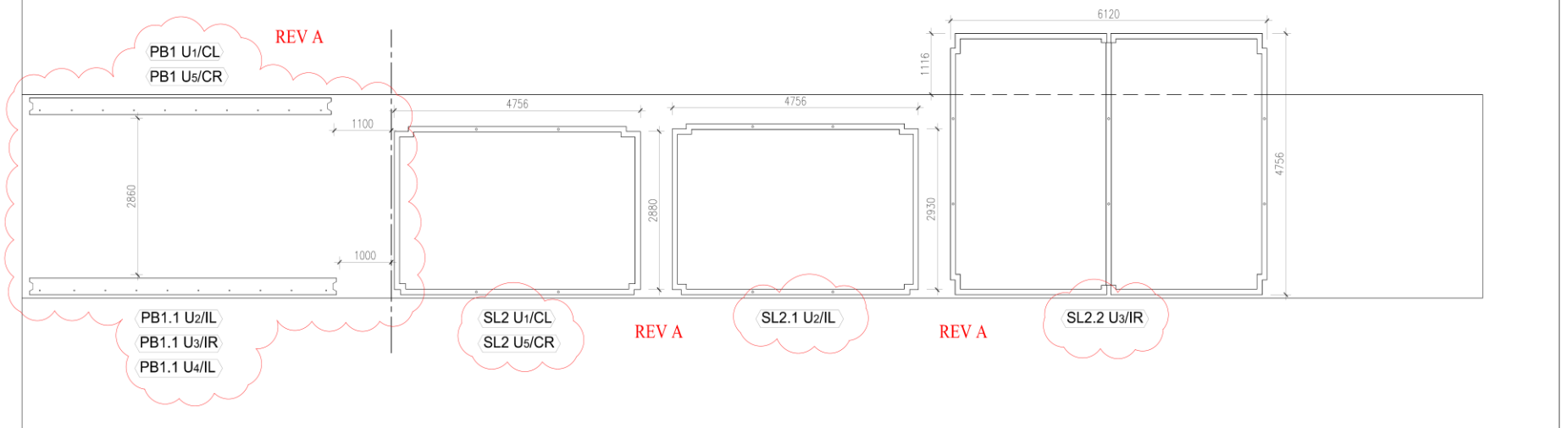
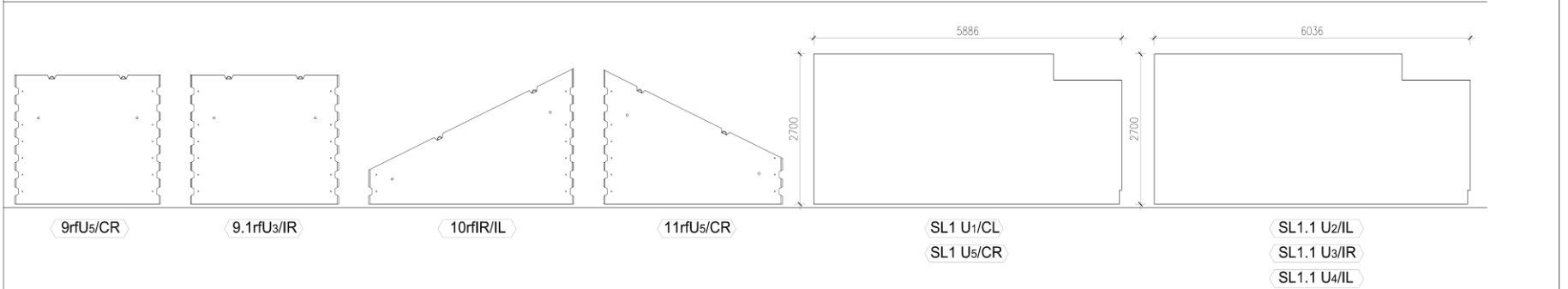
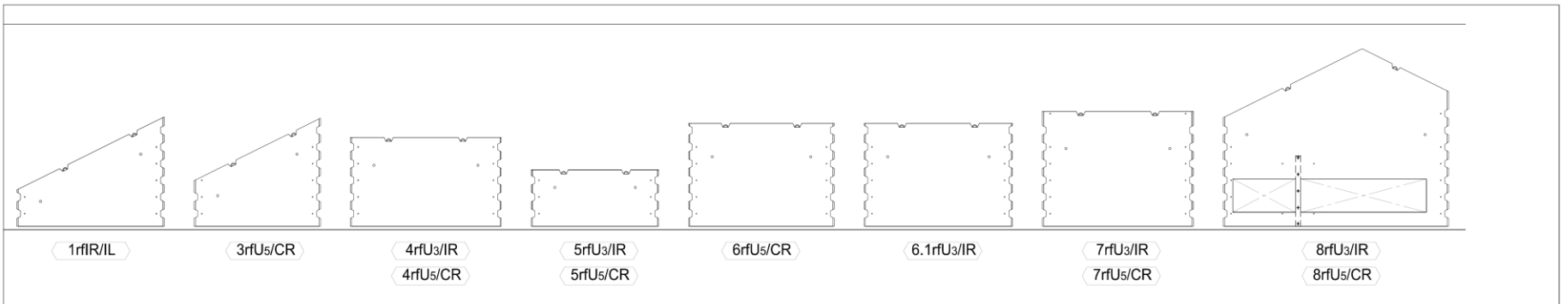
 <p>SYSTEM PROVIDER HC PRECAST SYSTEM SDN. BHD. (586697-M) No.23B, Jalan Seri Sarawak 20B/KS2, Taman Seri Andalas, 41200 Klang, Selangor D.E. Tel:03-3325 8995 Fax:03-3325 8996 e-mail:enquiry@hccprecast.com.my, Http://www.hccprecast.com.my</p> <p>DETAILS SHOWN IN THIS DRAWING ARE PROPERTY OF HC PRECAST SYSTEM & PROTECTED BY PATENTS. ALL COPYRIGHT ARE RESERVED. (US 6,829,870 B2) & (MY-124213-A)</p>	<p>MANUFACTURER HC MANUFACTURING SDN. BHD. (585570-T) Lot 1, Jalan Zurah 8, Pusat Perindustrian Zurah, Mukim Raso, Daerah Hulu Selangor, 44200 Raso, Selangor D.E. Tel:03-3325 8995 Fax:03-3325 8996</p>	<p>DRAWN: KC</p> <p>DATE: DEC 2019</p> <p>CHECKED: MENG</p> <p>EXAM'D: MENG</p> <p>APP'D: MENG</p> <p>SCALE: NTS</p>	<p>PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES SETINGKAT DI ATAS LOT , MUKIM JUASSEH, DAERAH KUALA PILAH, NEGERI SEMBILAN DARUL KHUSUS</p>	<p>DRAWING TITLE: SINGLE STOREY TERRACE HOUSE (ALL LEFT UNITS) PANEL CASTING ARRANGEMENT</p> <p>DRAWING NO: HC/</p> <p>SYSTEM: -</p>
		<p>REV: A</p> <p>REV: -</p>		


REV A



<p>SYSTEM PROVIDER</p>  <p>HC PRECAST SYSTEM SDN. BHD. (586697-M) No.23B, Jalan Seri Sarawak 20B/KS2, Taman Seri Andalas, 41200 Klang, Selangor D.E. Tel:03-3325 8995 Fax:03-3325 8996 e-mail:enquiry@hccprecast.com.my, Http://www.hccprecast.com.my</p> <p>DETAILS SHOWN IN THIS DRAWING ARE PROPERTY OF HC PRECAST SYSTEM & PROTECTED BY PATENTS. ALL COPYRIGHT ARE RESERVED. (US 6,629,870 B2) & (MY-124213-A)</p>	<p>MANUFACTURER</p> <p>HC MANUFACTURING SDN. BHD. (585570-T) Lot 1, Jalan Zurah 8, Pusat Perindustrian Zurah, Mukim Raso, Daerah Hulu Selangor, 44200 Raso, Selangor D.E. Tel:03-3325 8995 Fax:03-3325 8996</p>	<p>DRAWN : KC</p>	<p>DRAWING TITLE :</p> <p>SINGLE STOREY TERRACE HOUSE (ALL LEFT UNITS) PANEL CASTING ARRANGEMENT</p>
		<p>DATE : DEC 2019</p> <p>CHECKED : MENG</p> <p>EXAM'D : MENG</p> <p>APP'D : MENG</p> <p>SCALE : NTS</p>	





SYSTEM PROVIDER

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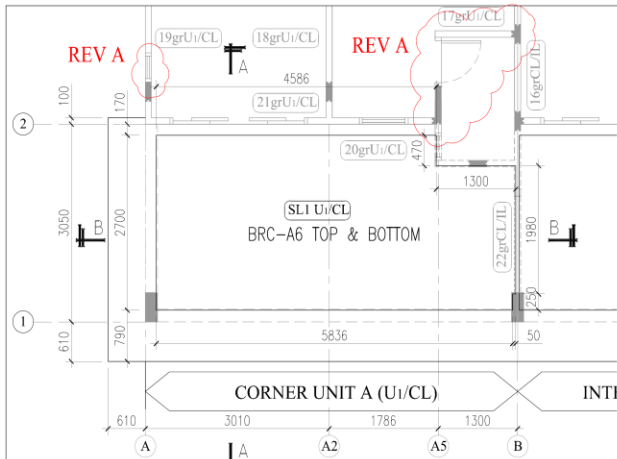
MANUFACTURER
HC MANUFACTURING SDN. BHD. (585570-T)
 Lot 1, Jalan Zurah 8, Pusat Perindustrian Zurah, Mukim Rasa,
 Daerah Hulu Selangor, 44200 Rasa, Selangor D.E.
 Tel:03-3325 8995 Fax:03-3325 8996

DRAWN :	KC
DATE :	DEC 2019
CHECKED :	MENG
EXAM'D :	MENG
APP'D :	MENG
SCALE :	NTS

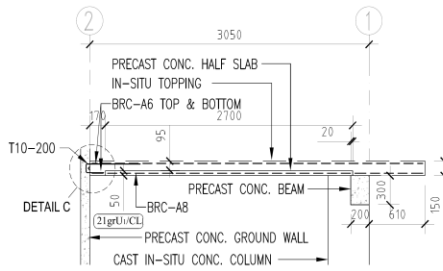
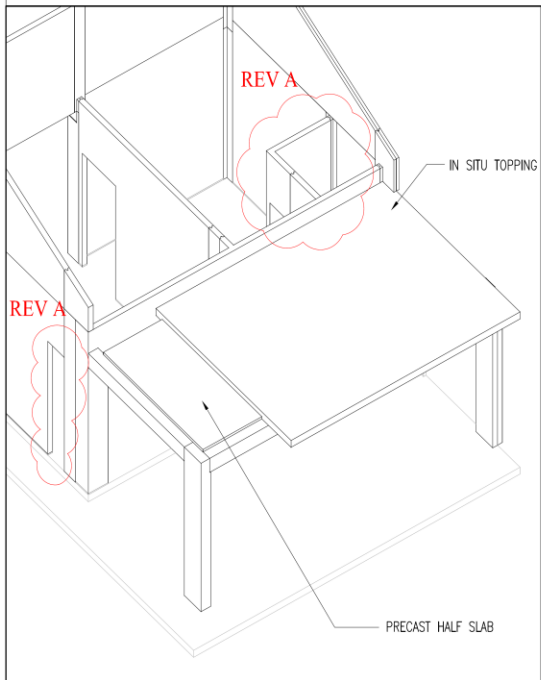
PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
 CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
 SETINGKAT DI ATAS LOT , MUKIM JUASSEH,
 DAERAH KUALA PILAH,
 NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :	
SINGLE STOREY TERRACE HOUSE (ALL RIGHT UNITS) PANEL CASTING ARRANGEMENT	
DRAWING NO :	REV :
HC/	A
SYSTEM :	REV :
-	-

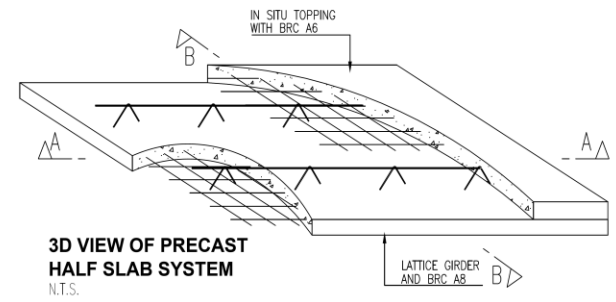
Car Porch Slab



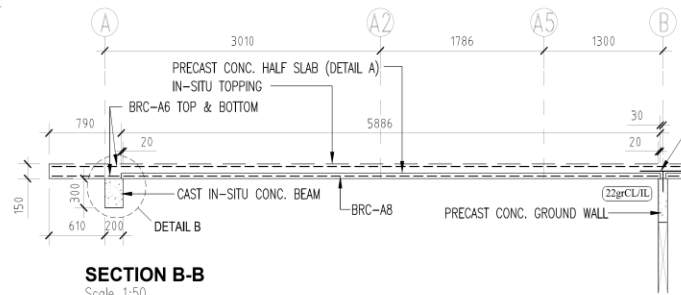
PLAN VIEW
Scale 1:75



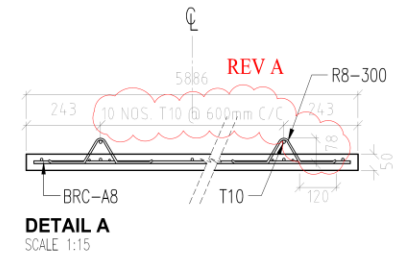
SECTION A-A
Scale 1:50



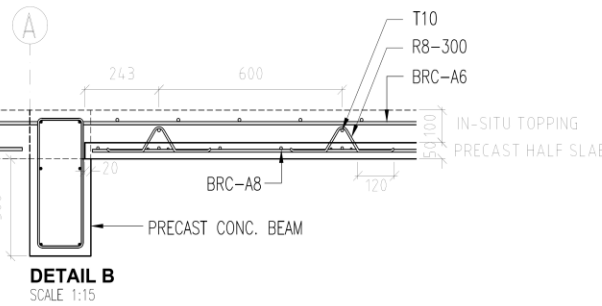
3D VIEW OF PRECAST HALF SLAB SYSTEM
N.T.S.



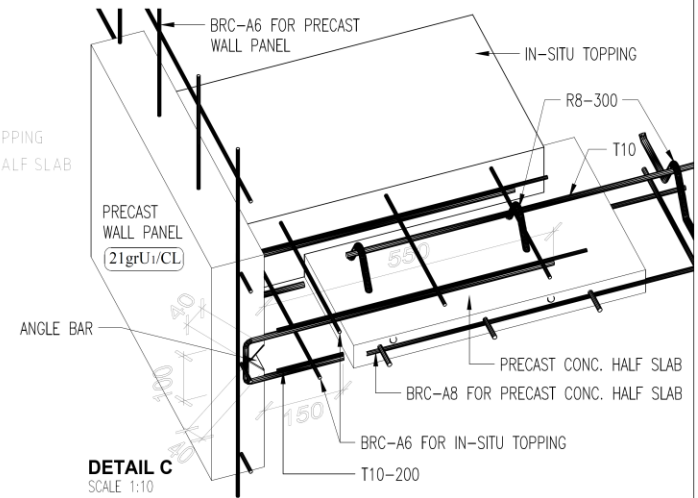
SECTION B-B
Scale 1:50



DETAIL A
SCALE 1:15



DETAIL B
SCALE 1:15



DETAIL C
SCALE 1:10

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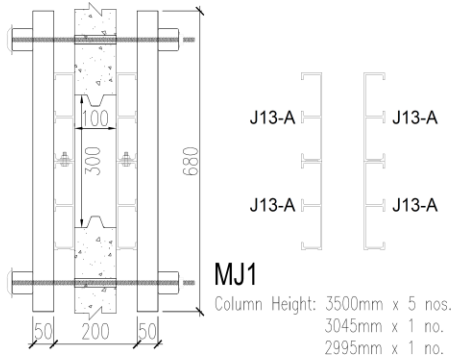
DRAWN :	KC
DATE :	JAN 2020
CHECKED :	MENG
EXAM'D :	MENG
APP'D :	MENG
SCALE :	NTS

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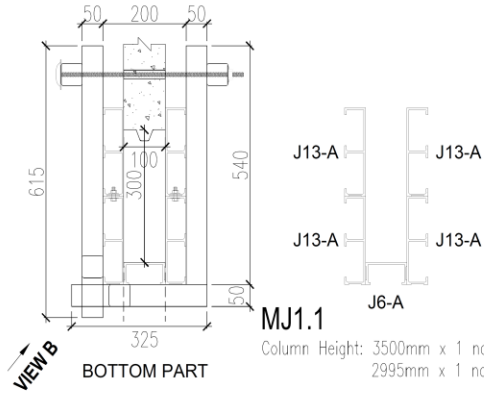
DRAWING TITLE :	SINGLE STOREY TERRACE HOUSE CORNER UNIT A CAR PORCH SLAB
DRAWING NO. :	HC/
SCALE :	-
REV :	A
REV :	-

Column Mould

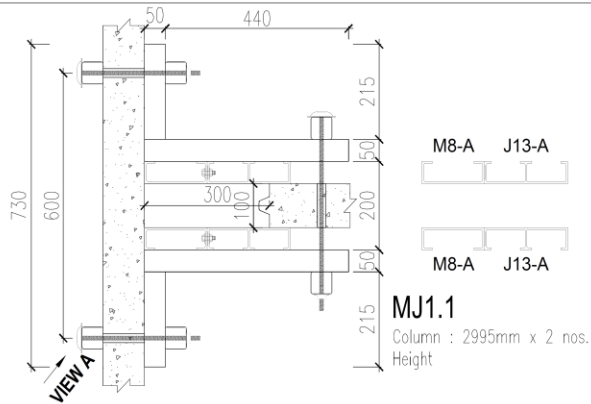
CORNER UNIT A (GROUND LEVEL)



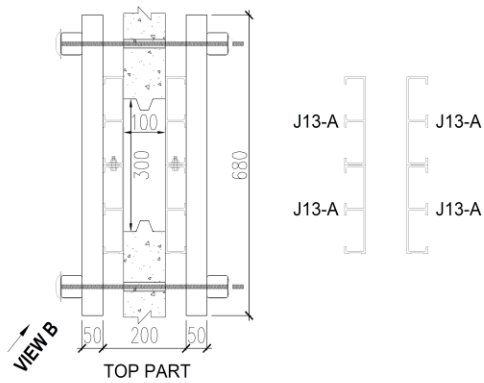
MJ1
Column Height: 3500mm x 5 nos.
3045mm x 1 no.
2995mm x 1 no.



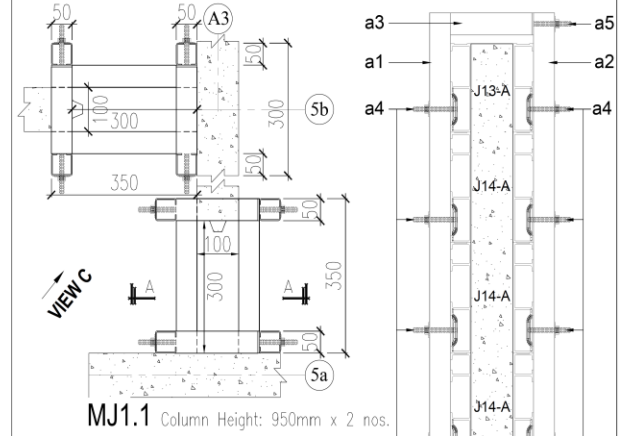
MJ1.1
Column Height: 3500mm x 1 no.
2995mm x 1 no.



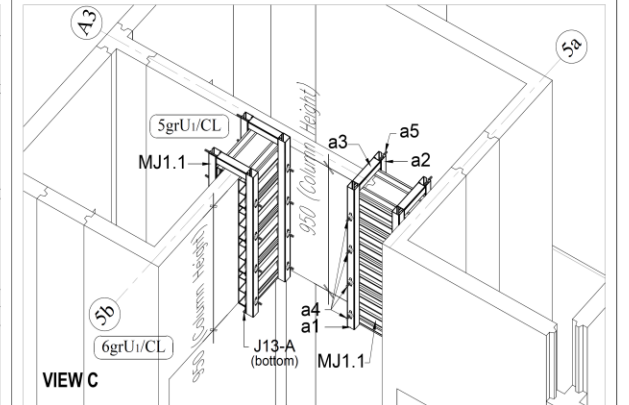
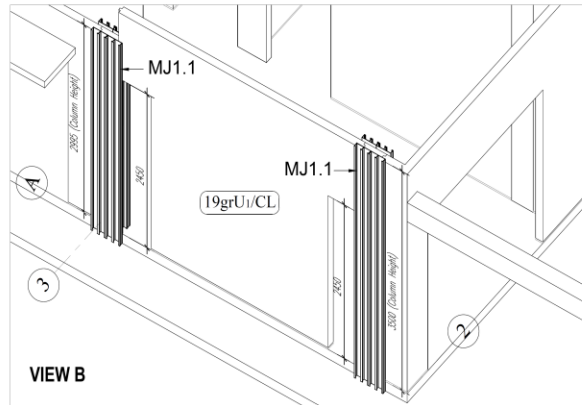
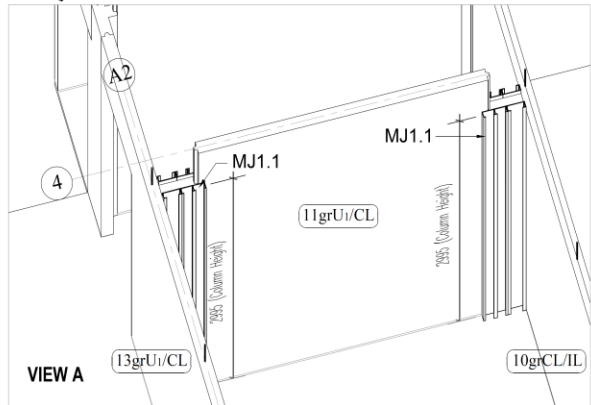
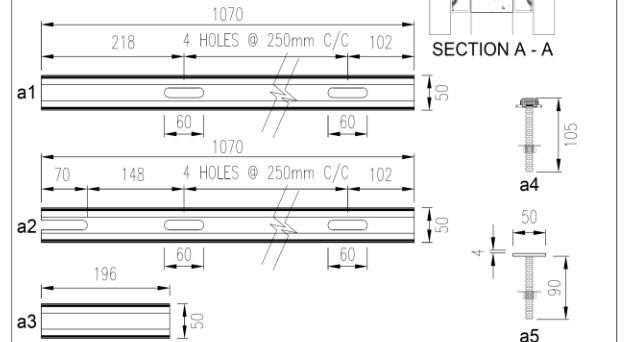
MJ1.1
Column : 2995mm x 2 nos.
Height



MJ1.1
Column : 2995mm x 2 nos.
Height



MJ1.1 Column Height: 950mm x 2 nos.



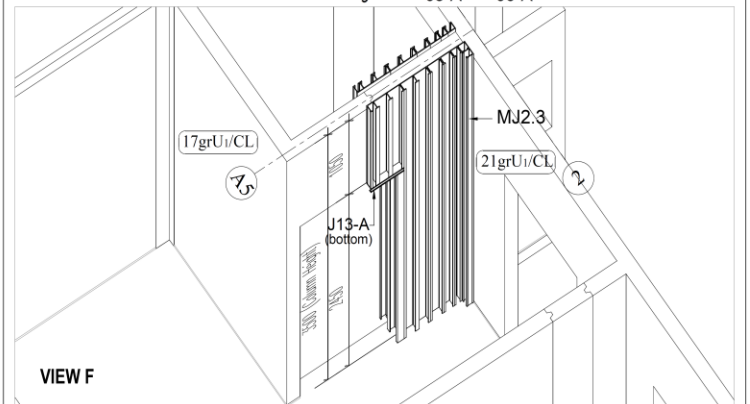
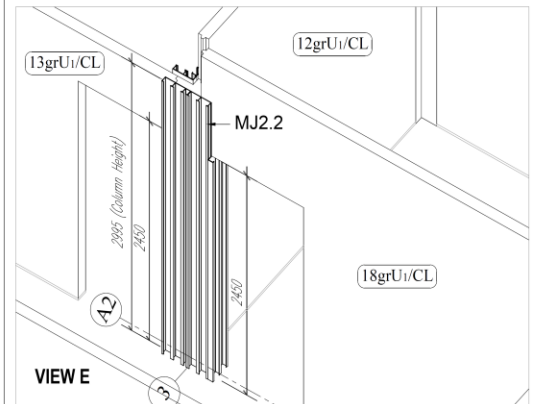
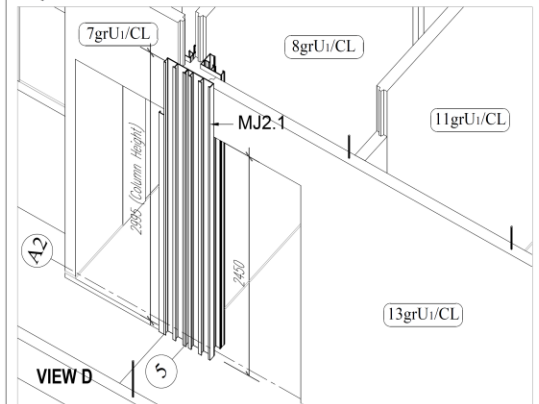
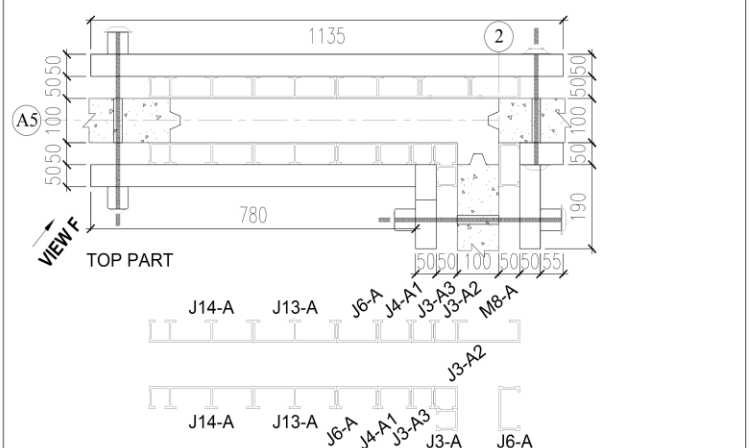
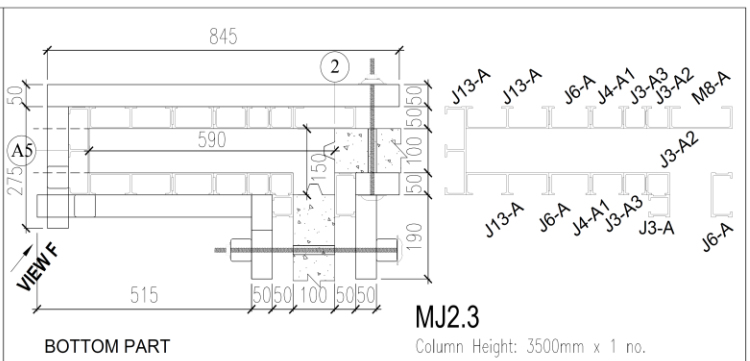
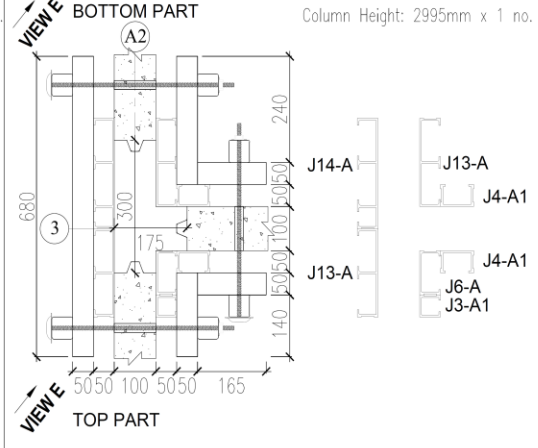
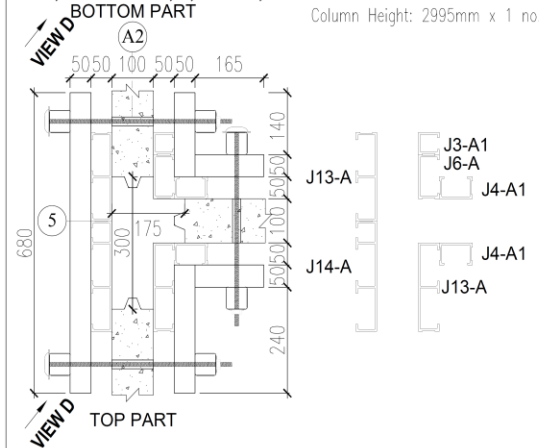
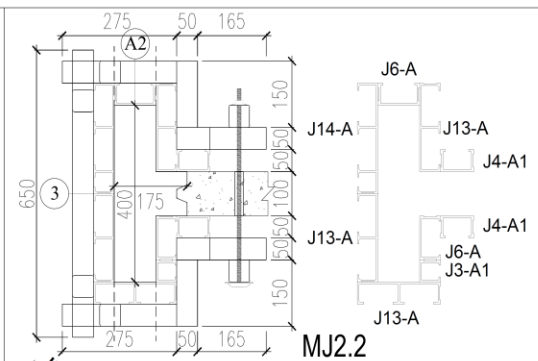
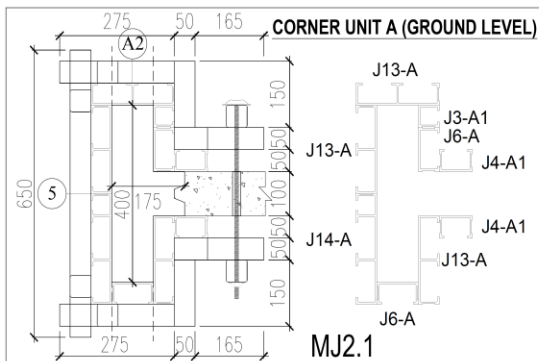
SYSTEM PROVIDER
HC PRECAST SYSTEM SDN. BHD. (586697-M)
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Tel:03-3325 8995 Fax:03-3325 8996

DRAWN : KC
DATE : FEB 2020
CHECKED : MENG
EXAM'D : MENG
APP'D : MENG
SCALE : NTS

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
SETINGKAT DI ATAS LOT : , MUKIM JUASSEH,
DAERAH KUALA PILAH,
NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :
SINGLE STOREY TERRACE HOUSE
CORNER UNIT A
GROUND LEVEL COLUMN MOULD
DRAWING NO :
HC/
REV :
REV :



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DRAWN :	KC
DATE :	FEB 2020
CHECKED :	MENG
EXAM'D :	MENG
APP'D :	MENG
SCALE :	NTS

PERMOHONAN KELULUSAN PELAN BANGUNAN BAGI
 CADANGAN MENDIRIKAN 10 UNIT RUMAH TERES
 SETINGKAT DI ATAS LOT : , MUKIM JUASSEH,
 DAERAH KUALA PILAH,
 NEGERI SEMBILAN DARUL KHUSUS

DRAWING TITLE :	
SINGLE STOREY TERRACE HOUSE CORNER UNIT A GROUND LEVEL COLUMN MOULD	
DRAWING NO. :	REV :
HC/	-
SYSTEM :	-

Schedule for Number of Workers / Team			
Bill	Description	No. of Workers / Team	Work done / Day
1	Wall Panel Installation	4+1 = 5	30 - 50 pcs panel
2	Fill in Expandible Concrete	2+0 = 2	30 - 50 pcs panel
3	Column Rebar Installation	5+0 = 5	40 - 60 nos column
4	Column Mould Installation	5+0 = 5	41 - 60 nos column
5	Column/Beam Casting	5+0 = 5	4 - 6 m ³
6	Column Mould Dismantle	5+0 = 5	40 - 60 nos column
7	Precast Beam Installation	4+0 = 4	10 - 20 nos precast beam
8	Mobile Crane 25Ton Panel Installation		
9	Mobile Crane 20Ton Casting & Dismantled		

B.S codes : 6.2 - Minimum period before striking formwork (concrete made with Portland cement 42.5 to BS 12:1991 or sulfate-resisting Portland cement 42.5 to BS 4027 : 1991)			
Type of framework	Minimum period before striking		
	Surface temperature of concrete		
	16 °C and above	t °C (any temperature between 0 °C and 16 °C)	
Vertical formwork to columns, walls and large beams	12 h	$\frac{300}{t+10}$	h
Soffit formwork to slabs	4 days	$\frac{100}{t+10}$	h
Soffit formwork to beams and props to slabs	10 days	$\frac{250}{t+10}$	h
Props to beams	14 days	$\frac{360}{t+10}$	days

NOTE : This table can be applied to PC and SRPC of higher cement strength classes.

Schedule for Accessories				
Bill	Description	PROG / Accessori provided (unit)	Quantities (nos)	Drawing No
2.1	GL : panel wall prop	101 x 2	202	
5.1	GL : wet joint mould	100	50	
5.1	GL : car porch column mould	6	6	
5.1	GL : car porch column mould prop	6 x 3	18	
5.1	GL : car porch in-situ beam mould	2	2	
5.1	GL : car porch Pc beam s.suport	6	6	
7.1	GL : car porch Half slab s.suport	5	5	
10.1	RL : panel wall prop	43 x 2	86	
10.1a	RL : Wet joint mould required	44	22	



HC PRECAST SYSTEM SDN BHD

(586697-M)

FAST • FEASIBLE • FLEXIBLE

Office

No. 23B, Jalan Seri
Sarawak 20B/KS2,
Taman Seri Andalas
41200 Klang, Selangor
Darul Ehsan



+603 3325 8995



+603 3319 8994



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Factory

Lot 1, Jalan Zurah 8, Pusat
Perindustrian Zurah
Mukim Rasa, Daerah Hulu
Selangor 44200 Rasa,
Selangor Darul Ehsan

**CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI
UNIT RUMAH BERKEMBAR 1 TINGKAT DIATAS TANAH
KERAJAAN DI PAMAH KASIH, CHARUK PUTING, MUKIM PERAK,
DAERAH TEMERLOH, PAHANG DARUL MAKMUR.**

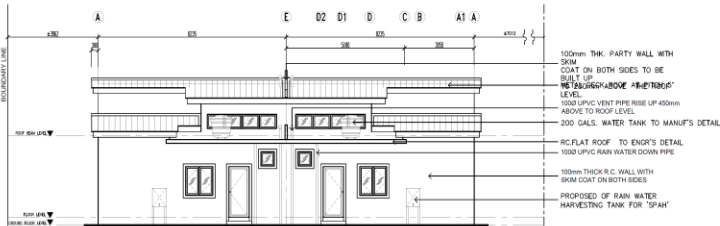
UNTUK TETUAN :

- HC PRECAST SYSTEM DRAWINGS -

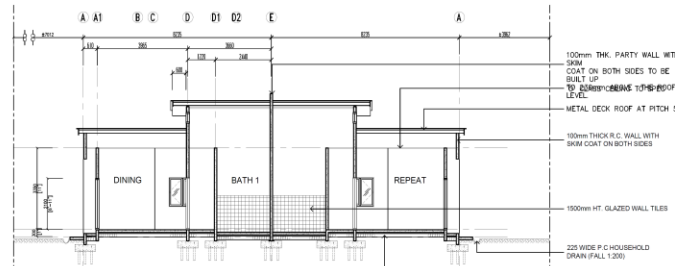
HC Precast System Drawings

a) Architectural Layout Plan
& Elevation

CONSTRUCTION DRAWING
DATED : 26-MARCH-2018

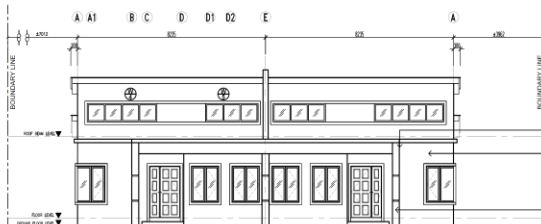


REAR ELEVATION
SCALE 1: 100

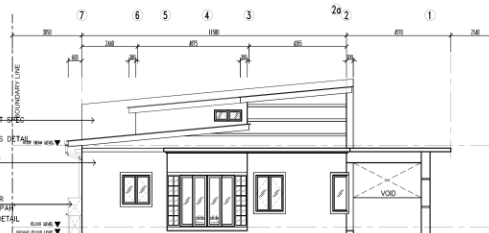


SECTION A-A
SCALE 1: 100 (1/8" = 1'-0")

FLOOR CONSTRUCTION
150 THK. CONCR. FLOOR SLAB WITH 25 THK. CEMENT RENDER ON TOP 150 THK. HARDCORE BELOW R.C. GROUND BEAM, R.C. FOOTING & R.C. FOUNDATION TO ENGR'S DETAIL.



FRONT ELEVATION
SCALE 1: 100



TYPICAL SIDE ELEVATION
SCALE 1: 100

LOKASI	LUAS LANTAI (m ²)	PENCAHAYAN SEMALAU (10X)		PENCAHAYAN SEMALAU (5X)	
		DPERLUKAN MIN (m ²)	DDEWAMAN (m ²)	DPERLUKAN MIN (m ²)	DDEWAMAN (m ²)
LAR POROH	21.42	OPEN AREA	OPEN AREA	OPEN AREA	OPEN AREA
LIVING	19.50	1.9	7.3	0.9	2.7
DINING	14.49	1.4	7.3	0.7	2.7
WATER BEDROOM	16.99	1.6	4.0	0.8	1.8
BATH 1	4.45	0.4	0.6	0.2	0.6
BEDROOM 2	11.15	1.1	1.9	0.5	1.8
BEDROOM 3	11.15	1.1	1.4	0.5	1.4
KITCHEN	8.91	0.8	1.4	0.4	1.4
BATH 2	3.71	0.3	0.3	0.1	0.3

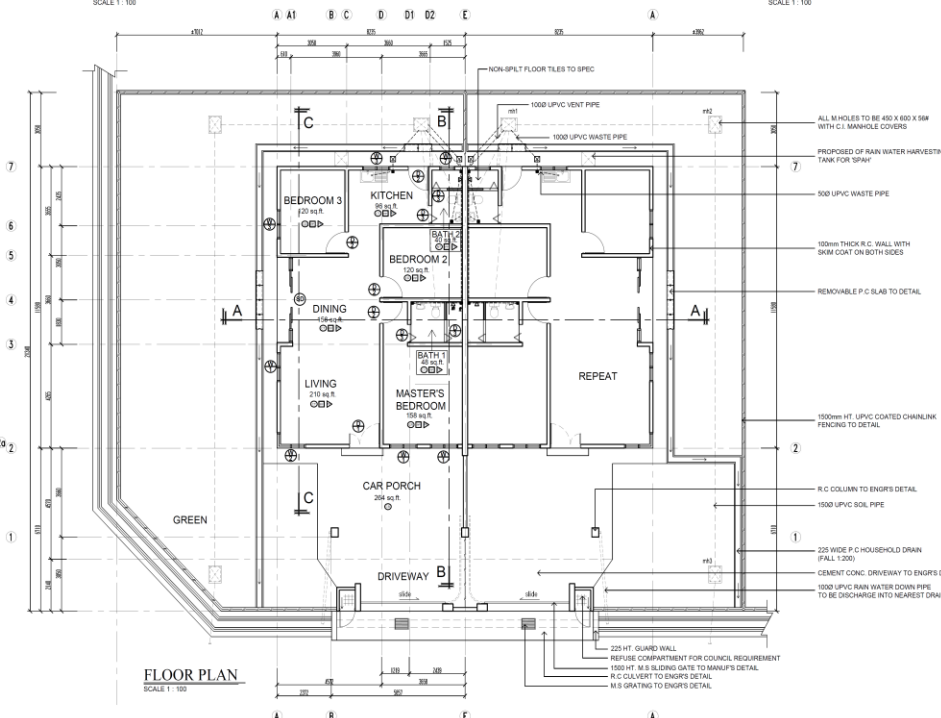
NOTES:
MENGIKUT UJUL, PERAWA 39-(4) SETAP SATU M² (WATER CLOSET) DAN (BIRAL) DI RUKUN TENGAS NYAWA MEMERLUKAN MINIMUM 0.2 METER PESEGA BUNAN UNTUK MEMOPANKAN PENGGALAN DAN PENCAHAYAN.

JADUAL PENCAHAYAN DAN PENGUDARAN

PELAN INI MENGANDUNGI HAKCIPTA Nathan-Jones Architect
Kontroler Hendakiah Mengul Dimensi Yang Ada Di Dalam Lukisan. Segala Dimensi Perincian Di Atas Binaan Itu Juga. Sebarang Perubahan Yang Terjadi Hendakiah Diagonkan Dengan Segera Kepada Arkitek.

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA)

TANAH KERAJAAN, DIPAMAH KASIH, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG DARUL MAKMUR



FLOOR PLAN
SCALE 1: 100

- FLOOR FINISHES**
- Cement Render
 - Ceramic Tile
 - Non-Slip Tile
- WALL FINISHES**
- ▶ Plastered & Painted Bkwall
 - ▶ Ceramic Tile
- CEILING FINISHES**
- ▣ Plastered & Painted
 - ▣ Skim Coat

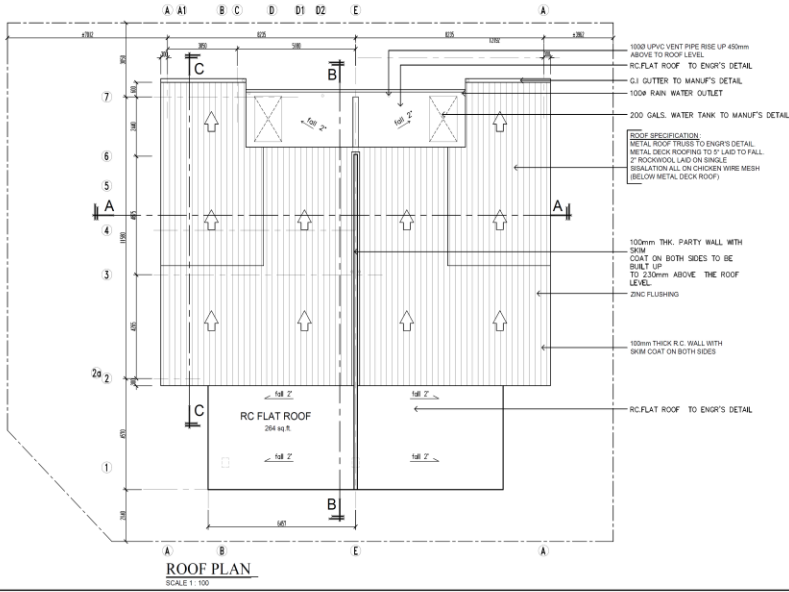
TANDA TANGKAP PEMILIK

SYMBOL	(M1)	(M2)	(M3)	(M4)	(M5)	(M6)	(M7)	(M8)
TYPE								
100mm UPVC VENT PIPE RISE UP 450mm ABOVE TO ROOF LEVEL								
RC/FLAT ROOF TO ENGR'S DETAIL								
G/I GUTTER TO MANUF'S DETAIL								
100mm RAIN WATER OUTLET								
2000 GALS. WATER TANK TO MANUF'S DETAIL								
RC LINTEL TO ENGR'S DETAIL								
100mm THICK R.C. WALL WITH SKIM COAT ON BOTH SIDES								
225 WIDE P.C. HOUSEHOLD DRAIN (FALL 1:200)								
RC/FLAT ROOF TO ENGR'S DETAIL								
100mm THICK R.C. WALL WITH SKIM COAT ON BOTH SIDES								
1500mm HT. GLAZED WALL TILES								
225 WIDE P.C. HOUSEHOLD DRAIN (FALL 1:200)								

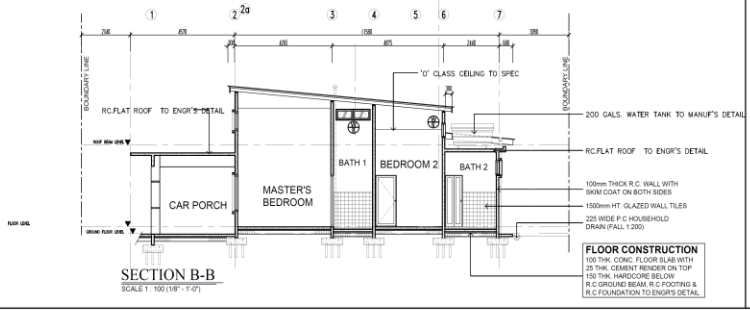
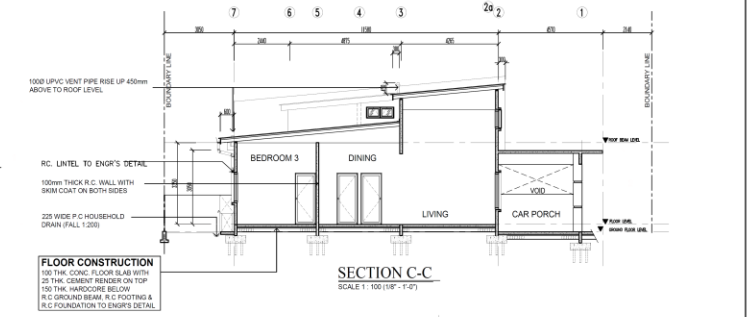
WINDOWS SCHEDULE
SCALE 1:50

SYMBOL	(D1)	(D2)	(D3)	(D4)
TYPE				
100mm UPVC VENT PIPE RISE UP 450mm ABOVE TO ROOF LEVEL				
RC/FLAT ROOF TO ENGR'S DETAIL				
G/I GUTTER TO MANUF'S DETAIL				
100mm RAIN WATER OUTLET				
2000 GALS. WATER TANK TO MANUF'S DETAIL				
RC LINTEL TO ENGR'S DETAIL				
100mm THICK R.C. WALL WITH SKIM COAT ON BOTH SIDES				
225 WIDE P.C. HOUSEHOLD DRAIN (FALL 1:200)				
RC/FLAT ROOF TO ENGR'S DETAIL				
100mm THICK R.C. WALL WITH SKIM COAT ON BOTH SIDES				
1500mm HT. GLAZED WALL TILES				
225 WIDE P.C. HOUSEHOLD DRAIN (FALL 1:200)				

DOOR SCHEDULE & IRONMONGERY
SCALE 1:50



ROOF PLAN
SCALE 1:100



PELAN INI MENGANDUNGI HAKCIPTA Nathan-Jones Architect
Pembina dan Pengawal Ciptaan, Tanggjawab dan Bertanggungjawab
Hendaklah Diperiksa Di Tapak Binaan W. Juga, Sebarang Selakian Yang Terjadi
Hendaklah Dlaporkan Dengan Segera Kepada Arkitek.

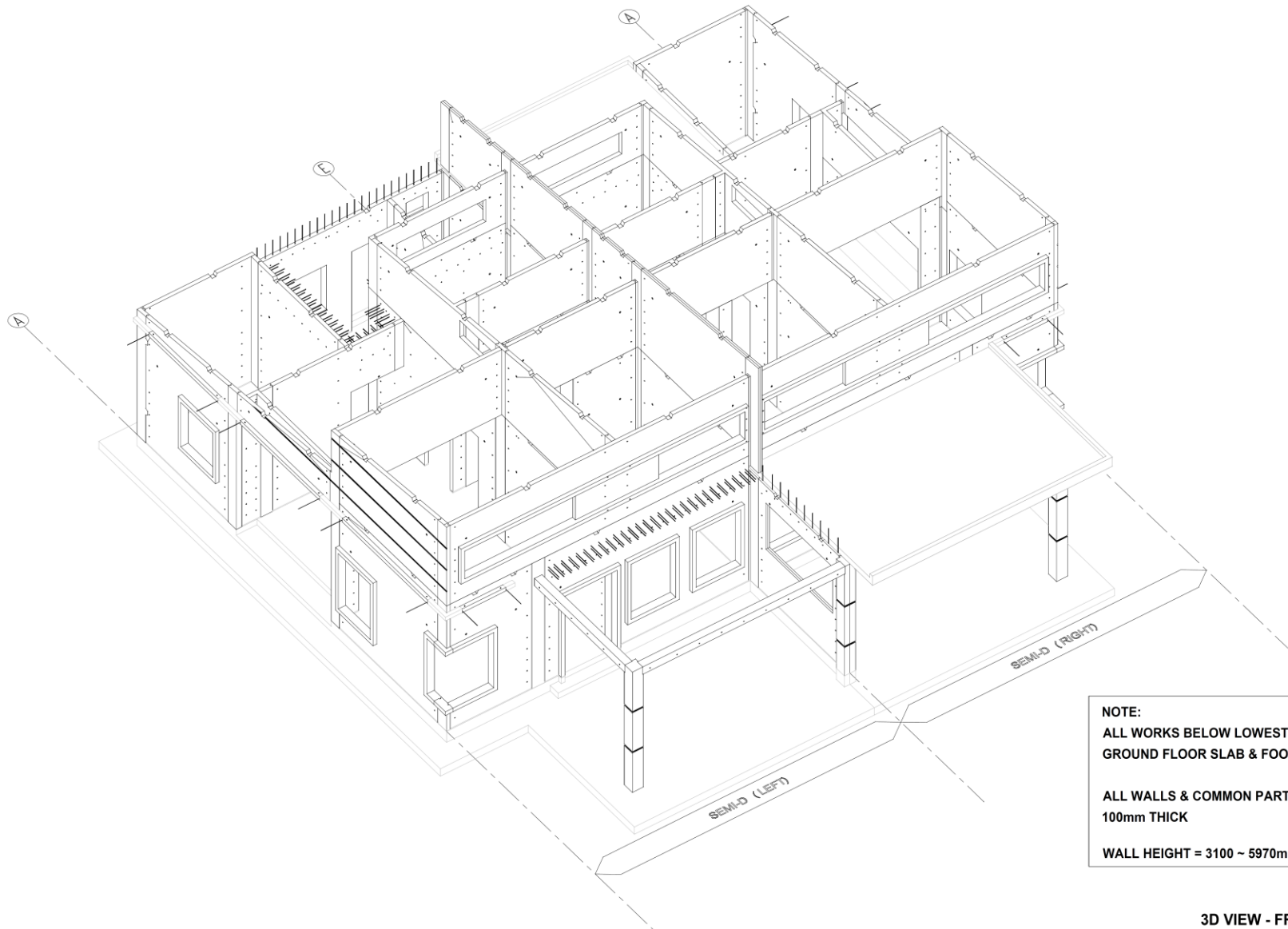
TAJUK PROJEK
CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA)

TANAH KERAJAAN, DIPAMAH KASHI, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG DARUL MAKMUR

SANDI TANGKAP PERILAKU


SKALA	1:100	TARIKH	FEBRUARY 2018
DILLIKUS			
NOMBOR KERJA		BIL. NO.	2/2

b) 3D Drawing



NOTE:
ALL WORKS BELOW LOWEST FLOOR FINISH, GROUND FLOOR SLAB & FOOTING BY OTHERS
ALL WALLS & COMMON PARTY WALLS AT 100mm THICK
WALL HEIGHT = 3100 ~ 5970mm

3D VIEW - FRONT (LEFT SIDE)

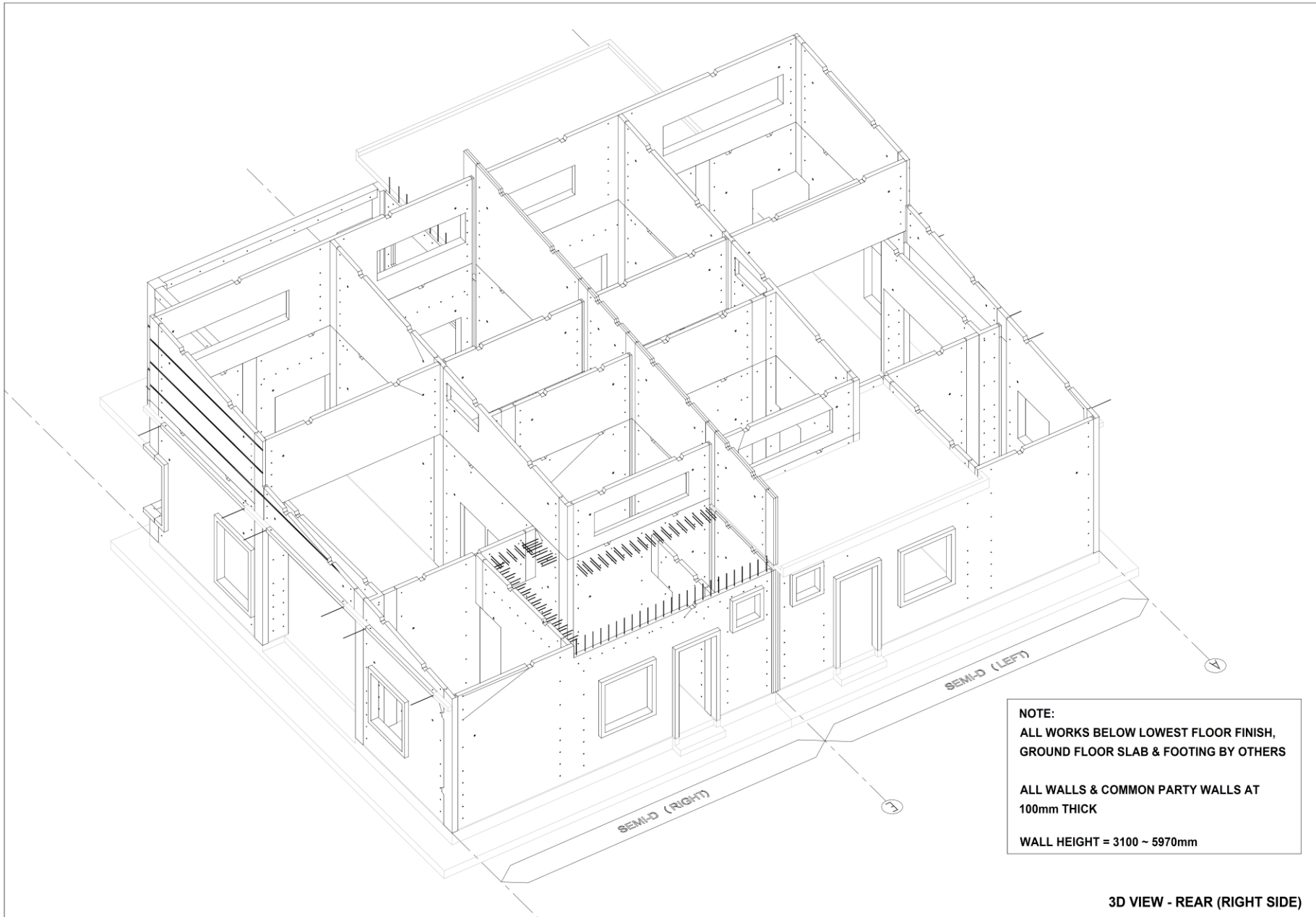
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DRAWN :	KC
DATE :	FEB 2018
CHECKED :	MENG
EXAM'D :	MENG
APPR'D :	MENG
SCALE :	NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASHI, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

DRAWING TITLE	
SINGLE STOREY SEMI DETACHED OVERALL 3D DRAWING	
DRAWING NO :	HC/
SYSTEM :	-
REV :	-
REV :	-



NOTE:
**ALL WORKS BELOW LOWEST FLOOR FINISH,
 GROUND FLOOR SLAB & FOOTING BY OTHERS**

**ALL WALLS & COMMON PARTY WALLS AT
 100mm THICK**

WALL HEIGHT = 3100 ~ 5970mm

3D VIEW - REAR (RIGHT SIDE)

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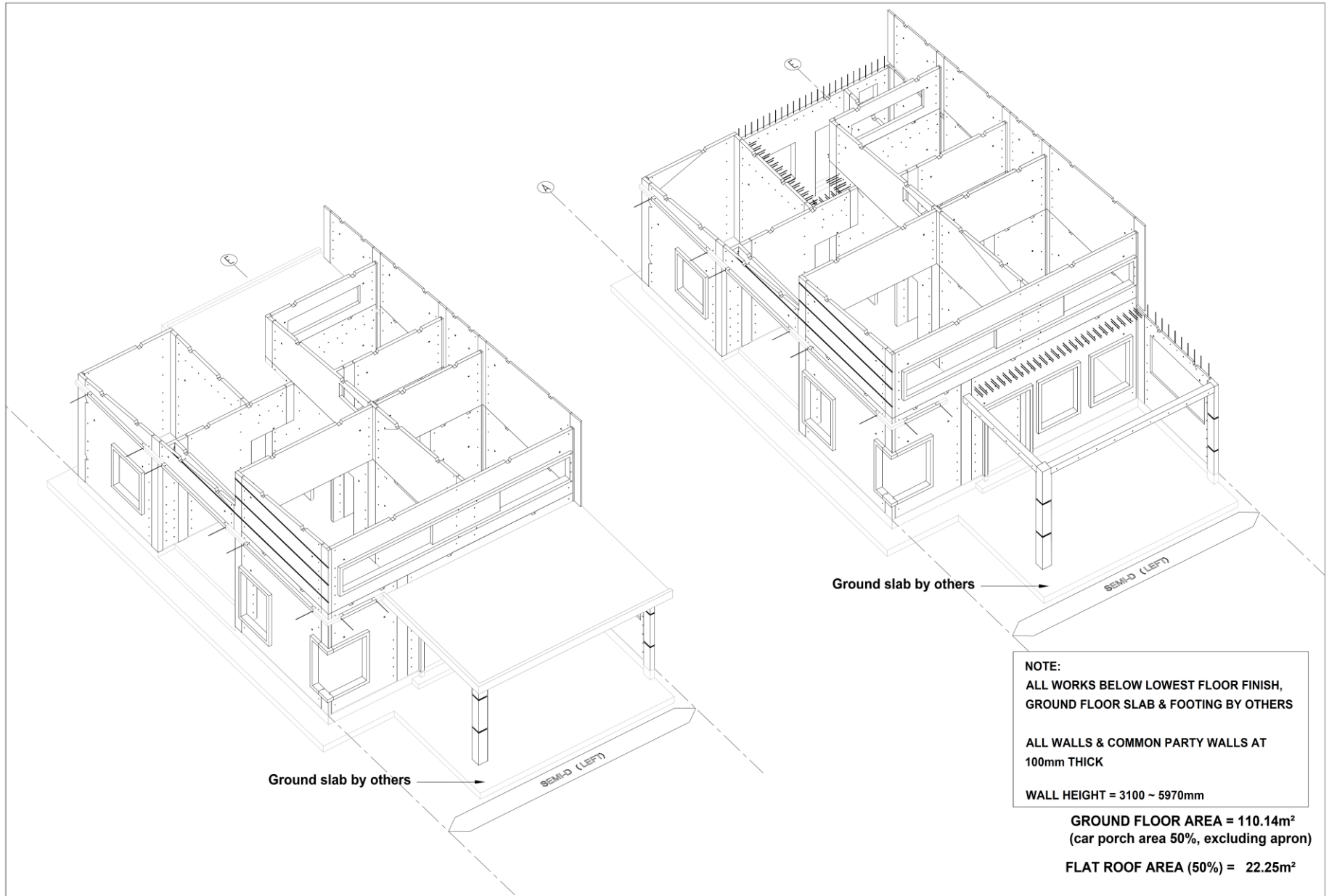
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CHECKED :	MENG
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APPR'D :	MENG
SCALE :	NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

DRAWING TITLE:		SINGLE STOREY SEMI DETACHED OVERALL 3D DRAWING	
DRAWING NO :	HC/	REV :	-
SYSTEM :	-	REV :	-



NOTE:
ALL WORKS BELOW LOWEST FLOOR FINISH, GROUND FLOOR SLAB & FOOTING BY OTHERS
ALL WALLS & COMMON PARTY WALLS AT 100mm THICK
WALL HEIGHT = 3100 ~ 5970mm

GROUND FLOOR AREA = 110.14m²
(car porch area 50%, excluding apron)
FLAT ROOF AREA (50%) = 22.25m²

3D VIEW - FRONT (LEFT SIDE)

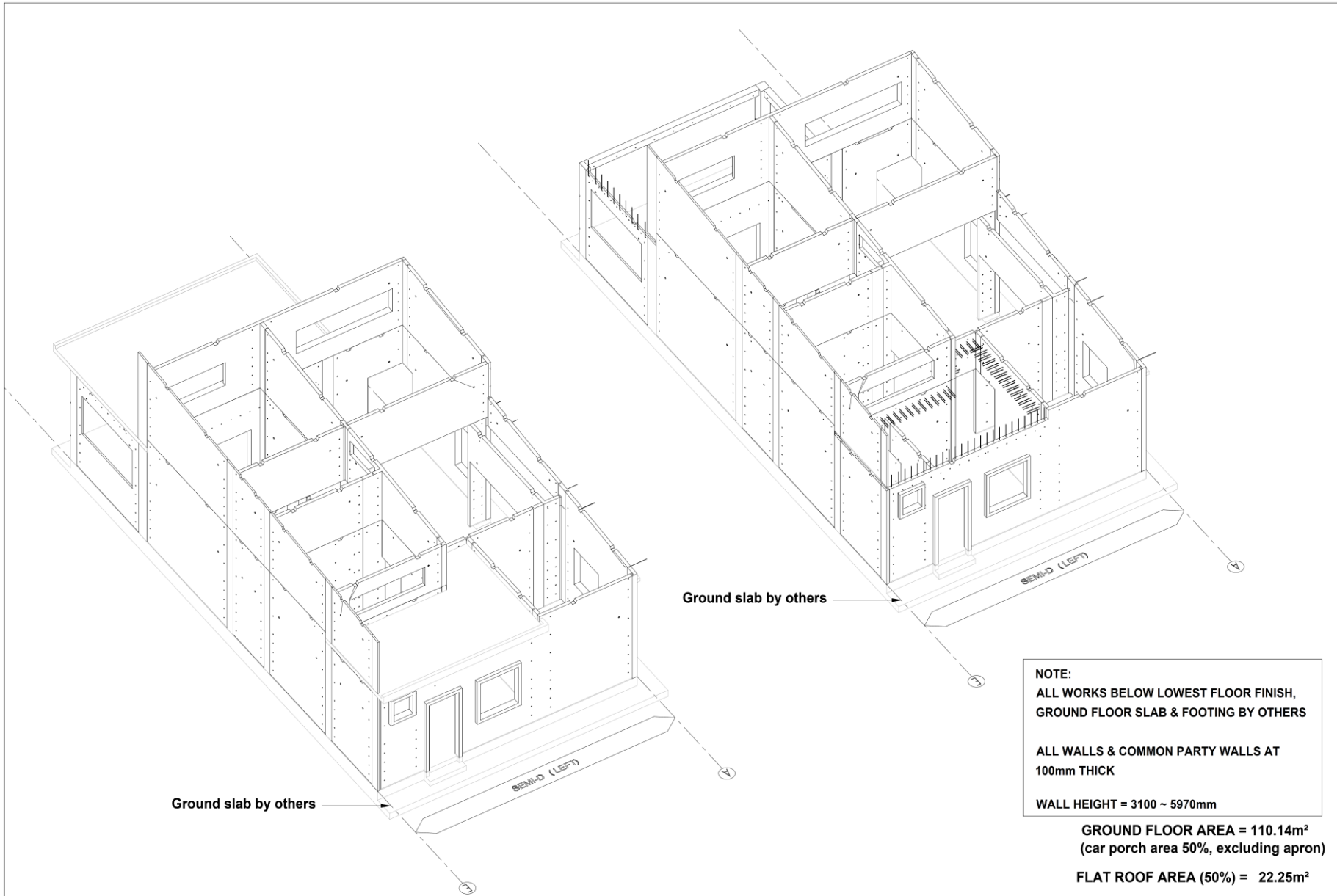
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APPRD :	MENG
SCALE :	NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

DRAWING TITLE :		SINGLE STOREY SEMI DETACHED (LEFT) 3D DRAWING	
DRAWING NO :	HC/	REV :	-
SYSTEM :	-	REV :	-



NOTE:
ALL WORKS BELOW LOWEST FLOOR FINISH, GROUND FLOOR SLAB & FOOTING BY OTHERS
ALL WALLS & COMMON PARTY WALLS AT 100mm THICK
WALL HEIGHT = 3100 ~ 5970mm

GROUND FLOOR AREA = 110.14m²
(car porch area 50%, excluding apron)
FLAT ROOF AREA (50%) = 22.25m²

3D VIEW - REAR (RIGHT SIDE)

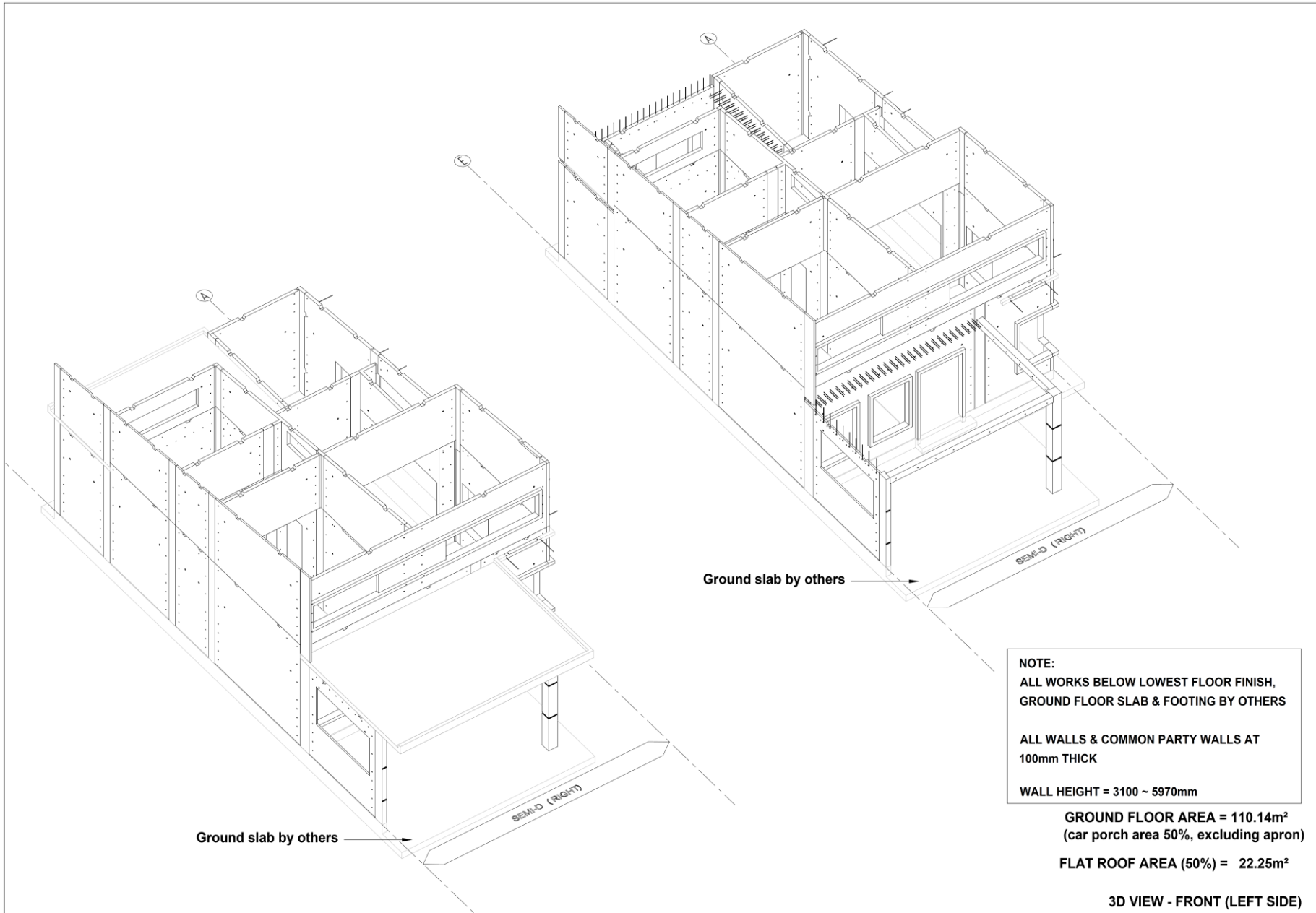
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APPRD :	MENG
SCALE :	NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

DRAWING TITLE :		SINGLE STOREY SEMI DETACHED (LEFT) 3D DRAWING	
DRAWING NO :	HC/	REV :	-
SYSTEM :	-	REV :	-



NOTE:
ALL WORKS BELOW LOWEST FLOOR FINISH, GROUND FLOOR SLAB & FOOTING BY OTHERS

ALL WALLS & COMMON PARTY WALLS AT 100mm THICK

WALL HEIGHT = 3100 ~ 5970mm

GROUND FLOOR AREA = 110.14m²
(car porch area 50%, excluding apron)
FLAT ROOF AREA (50%) = 22.25m²

3D VIEW - FRONT (LEFT SIDE)

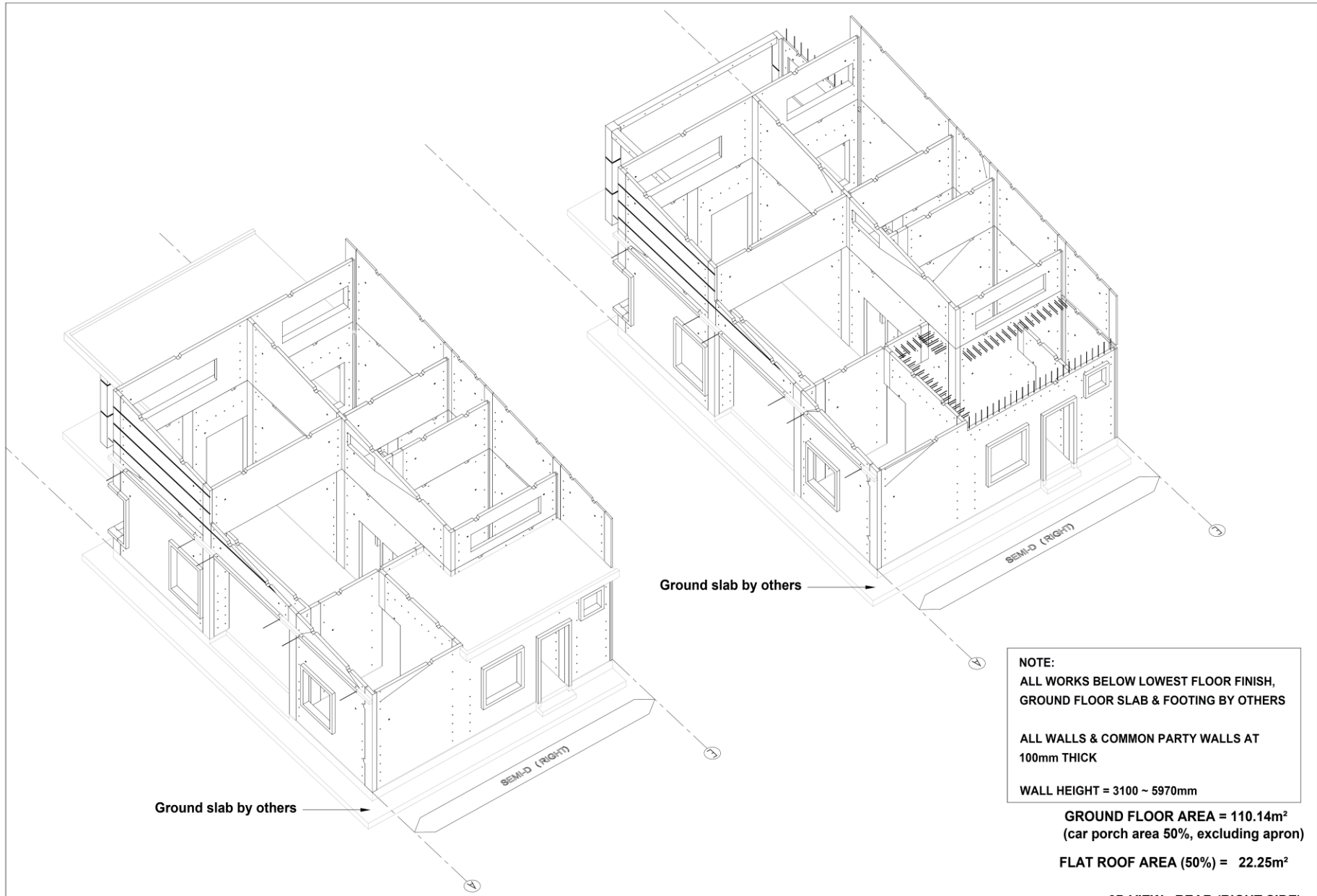
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DATE :	FEB 2018
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EXAM'D :	MENG
APPR'D :	MENG
SCALE :	NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

DRAWING TITLE :		SINGLE STOREY SEMI DETACHED (RIGHT) 3D DRAWING	
DRAWING NO. :	HC/	REV :	-
SYSTEM :	-	REV :	-



NOTE:
ALL WORKS BELOW LOWEST FLOOR FINISH, GROUND FLOOR SLAB & FOOTING BY OTHERS
ALL WALLS & COMMON PARTY WALLS AT 100mm THICK
WALL HEIGHT = 3100 ~ 5970mm

GROUND FLOOR AREA = 110.14m²
(car porch area 50%, excluding apron)
FLAT ROOF AREA (50%) = 22.25m²

3D VIEW - REAR (RIGHT SIDE)

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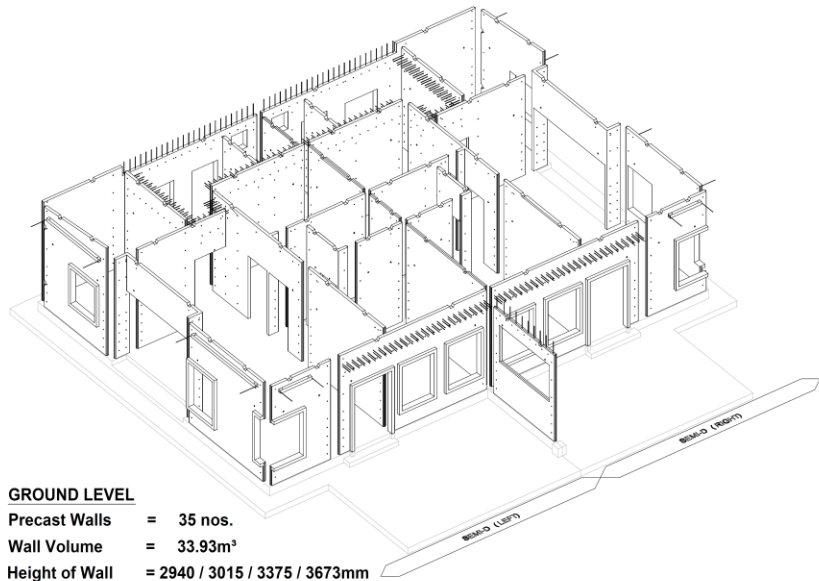
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EXAPD :	MENG
APPRD :	MENG
SCALE :	NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

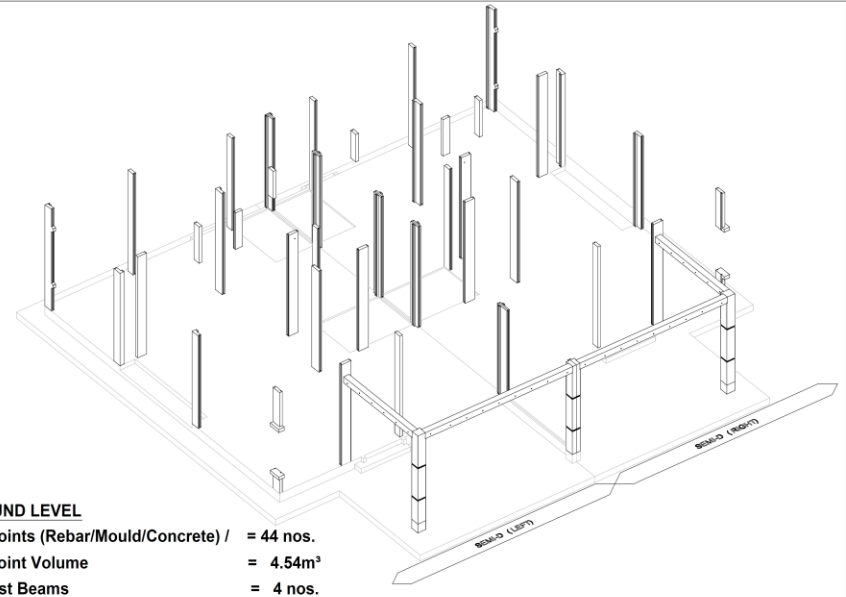
DRAWING TITLE :		SINGLE STOREY SEMI DETACHED (RIGHT) 3D DRAWING	
DRAWING NO :	HC/	REV :	-
SYSTEM :	-	REV :	-

c) Sequence of Works



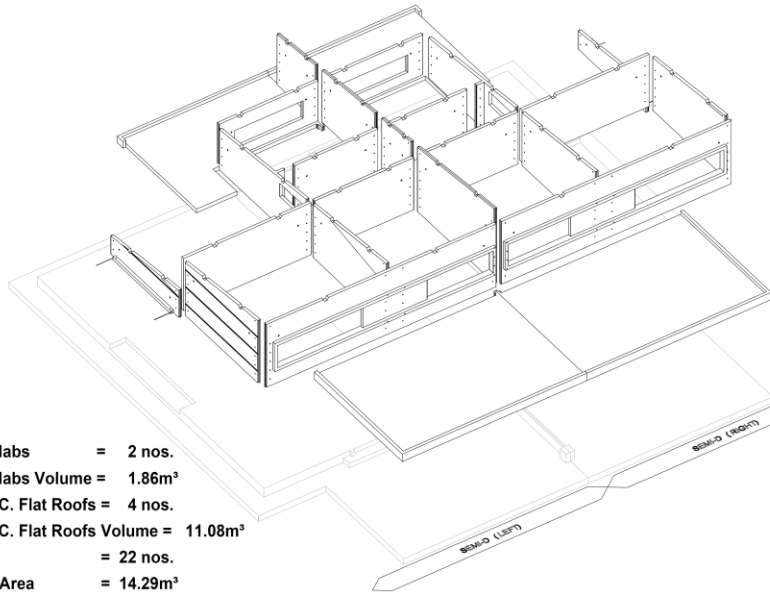
GROUND LEVEL

Precast Walls = 35 nos.
 Wall Volume = 33.93m³
 Height of Wall = 2940 / 3015 / 3375 / 3673mm
 Built-up Area = 186.74m²



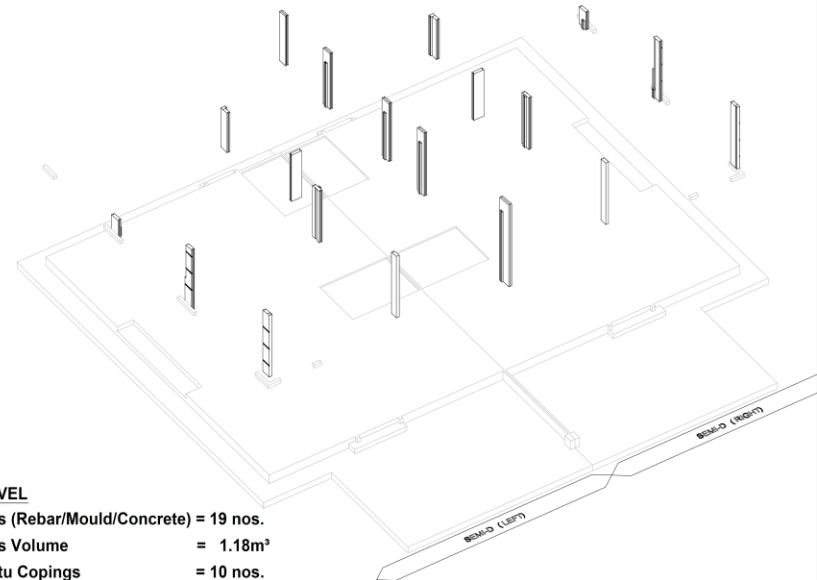
GROUND LEVEL

Wet Joints (Rebar/Mould/Concrete) / = 44 nos.
 Wet Joint Volume = 4.54m³
 Precast Beams = 4 nos.
 Precast Beams Volume = 0.71m³



ROOF LEVEL

Precast Half Slabs = 2 nos.
 Precast Half Slabs Volume = 1.86m³
 Cast in-situ R.C. Flat Roofs = 4 nos.
 Cast in-situ R.C. Flat Roofs Volume = 11.08m³
 Precast Walls = 22 nos.
 Precast Walls Area = 14.29m²
 Height of Wall = 614~2522mm



ROOF LEVEL

Wet Joints (Rebar/Mould/Concrete) = 19 nos.
 Wet Joints Volume = 1.18m³
 Cast in-situ Copings = 10 nos.
 Cast in-situ Copings Volume = 0.07m³

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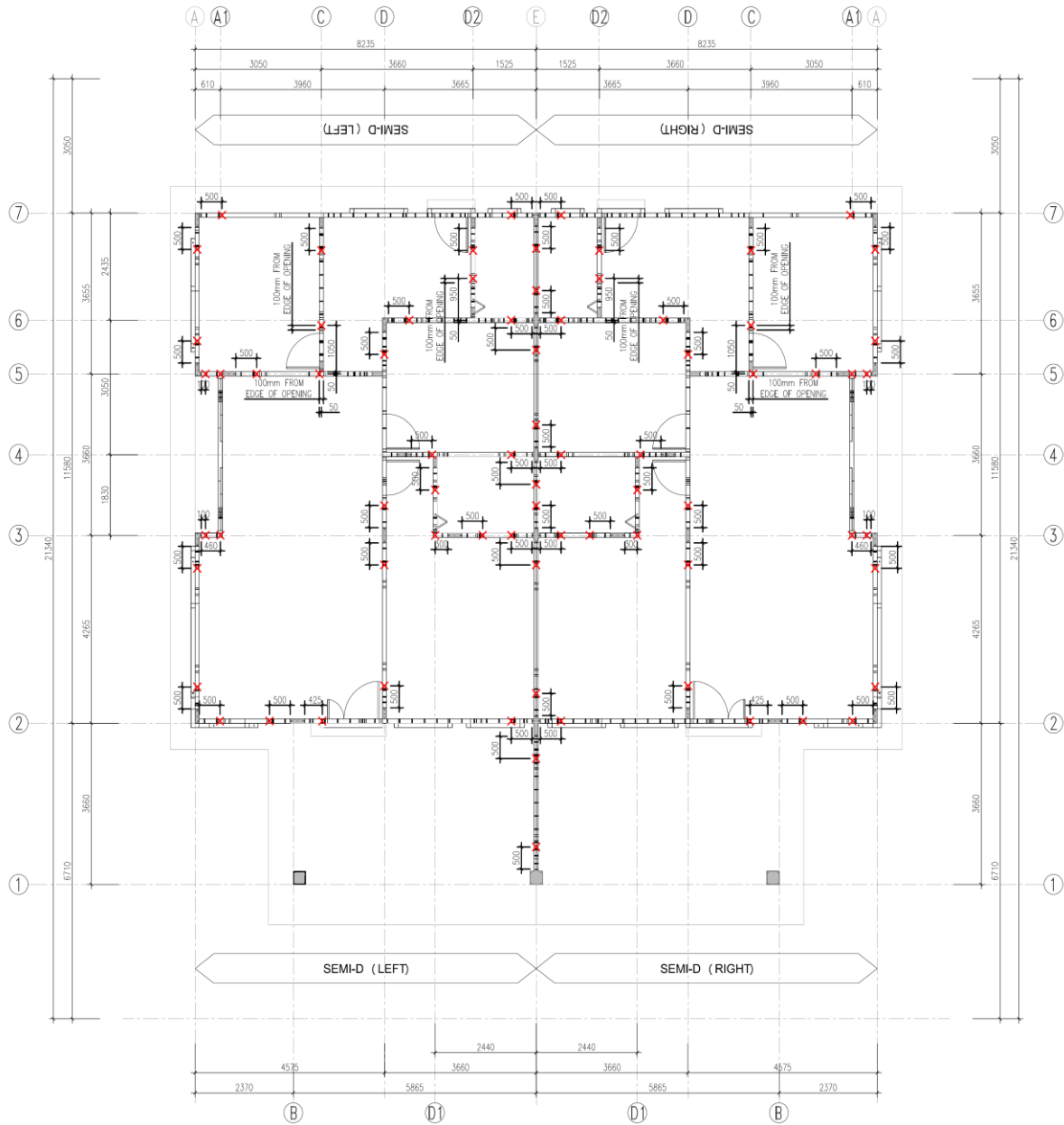
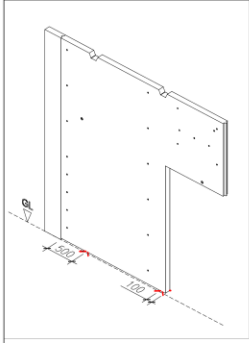
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EXAM'D :	MENC
APPR'D :	MENC
SCALE :	NTS

CADANGAN SKIM PERUMAHAN RAKYAT I MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR I TINGKAT
 DI ATAS TANAH KERAJIAN DI PAMAH KASIH, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

DRAWING TITLE :	
SINGLE STOREY SEMI-D (LEFT & RIGHT UNIT) SEQUENCE OF WORKS	
DRAWING NO :	REV :
HC/	-
SYSTEM :	REV :
-	-

- d) Setting-out Drawing (On-site)
 - Leveling Point
 - Level Check List
 - Wall Panel Installation Guide



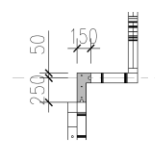
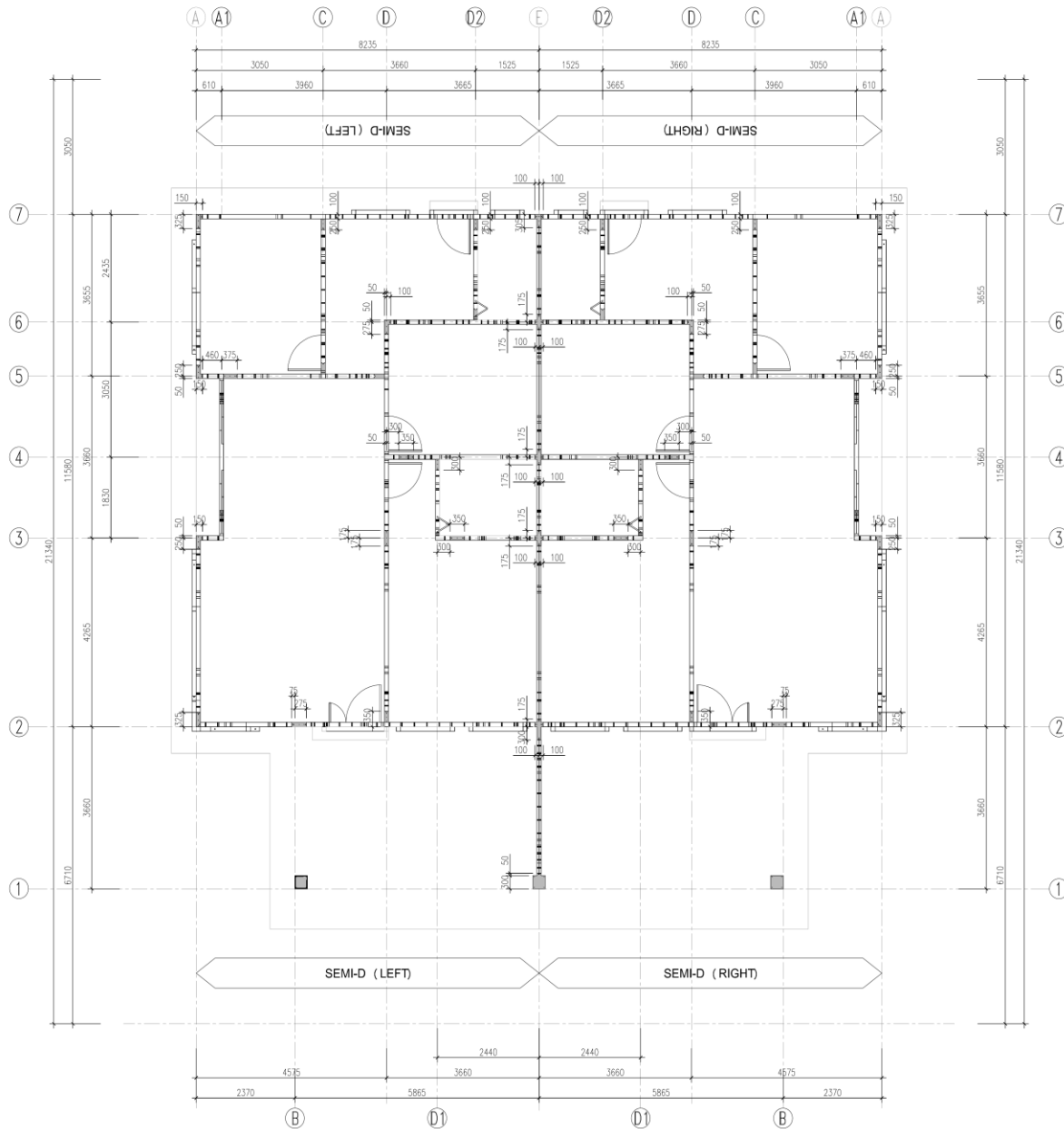
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ESKAM : KC
 DATE : NOV 2018
 CHECKED : MENG
 EXAM'D : MENG
 APP'D : MENG
 SCALE : NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA
 (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH,
 CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH,
 PAHANG.
 UNTUK TETUAN:

DRAWING TITLE :
**SINGLE STOREY SEMI-D (LEFT & RIGHT) UNIT
 SETTING-OUT DRAWING (ON-SITE)
 LEVELING POINT**
 DRAWING NO : HC/ REV : -
 SYSTEM : - REV : -



COLUMN POSITION & WALL PANEL GUIDE

SYSTEM PROVIDER



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ESKAM :

HC

DATE :

NOV 2018

CHECKED :

MENG

EXAM'D :

MENG

APPR'D :

MENG

SCALE :

NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT

DI ATAS TANAH KERAJAAN DI PAMAH KASIH, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.

UNTUK TETUAN:

DRAWING TITLE :

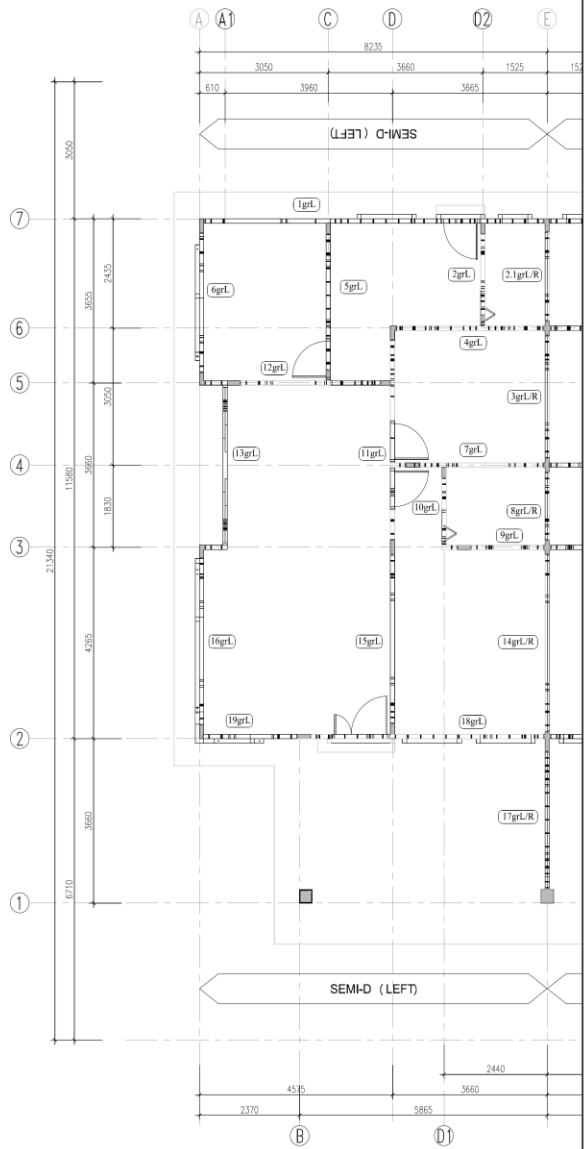
SINGLE STOREY SEMI-D (LEFT & RIGHT UNIT) SETTING-OUT DRAWING (ON-SITE) WALL PANEL INSTALLATION GUIDE

DRAWING NO : HC/

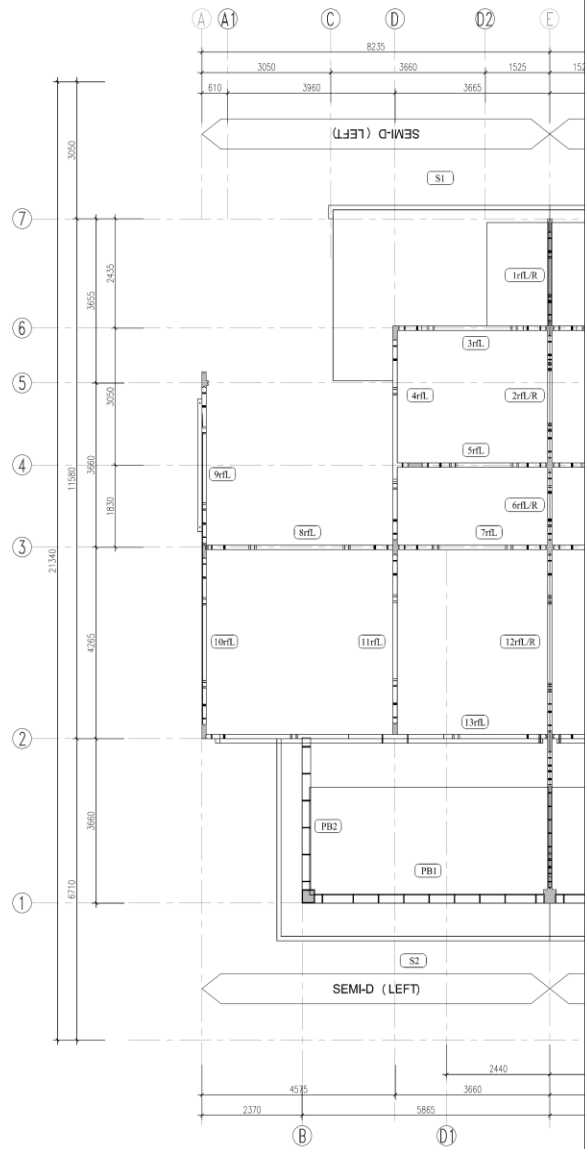
REV : -

SYSTEM : -

e) Wall Panel Layout (GL & RL),
C-channel (RL) & Wall Prop Schedule



GROUND LEVEL



ROOF LEVEL

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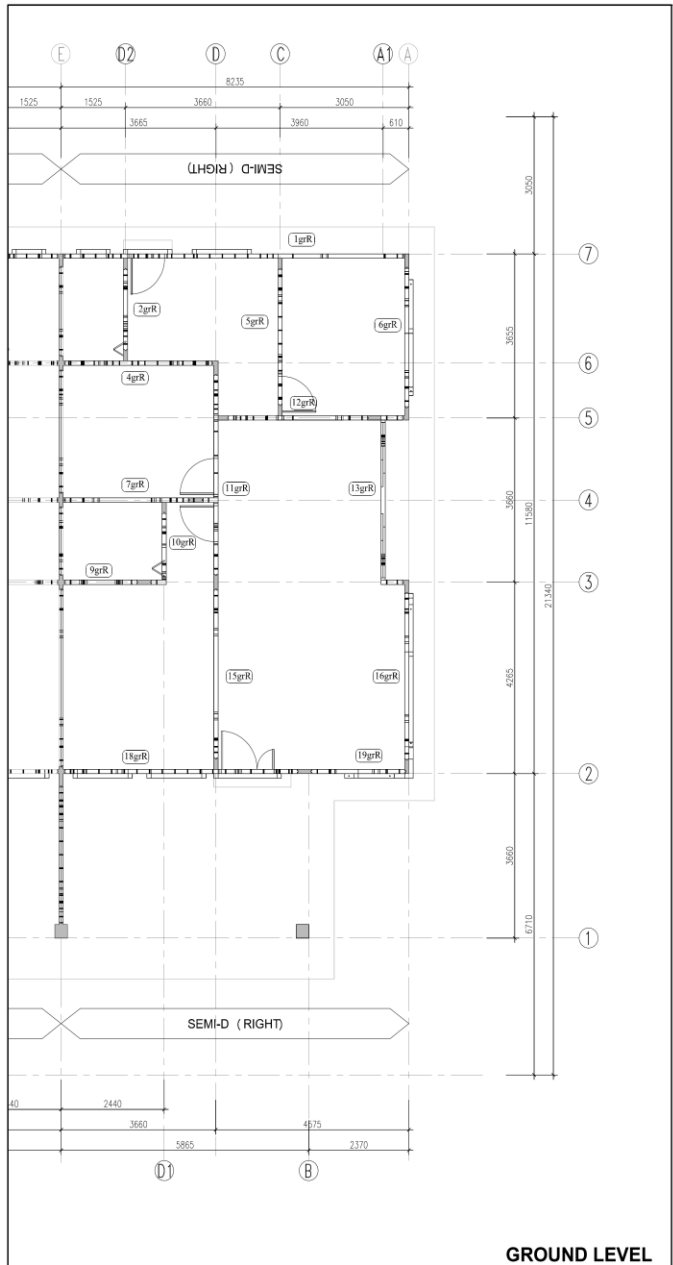
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APPR'D :	MENG
SCALE :	NTS

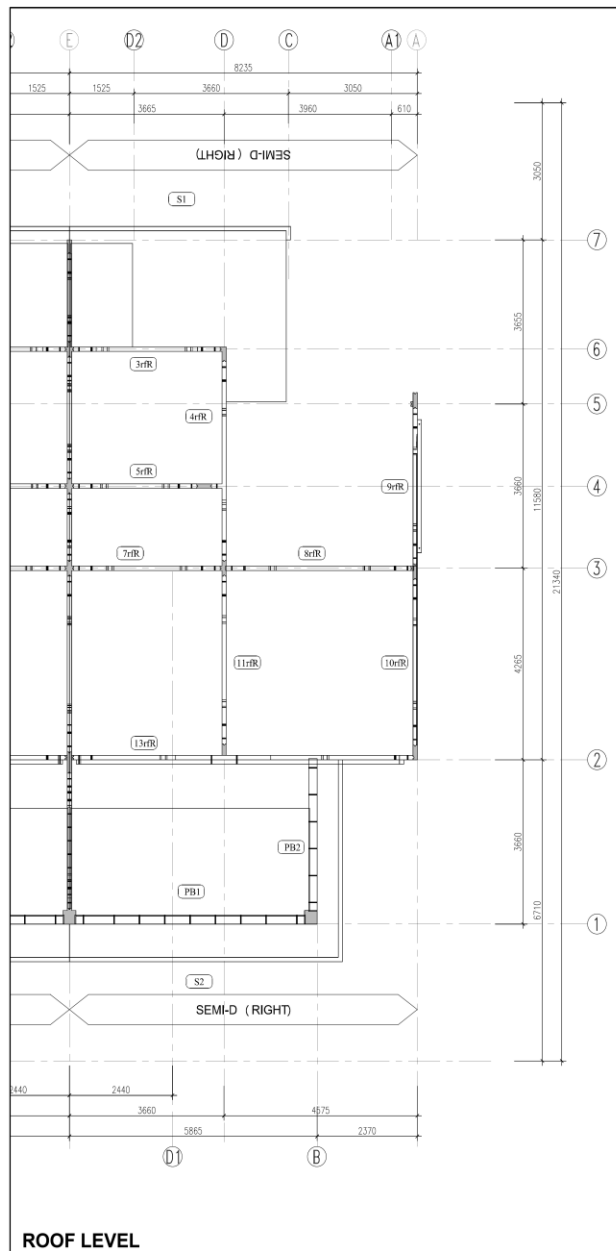
CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA
 (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH
 CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH,
 PAHANG.
 UNTUK TETUAN:

DRAWING TITLE :
**SINGLE STOREY SEMI-D (LEFT UNIT)
 GROUND & ROOF LEVEL
 WALL PANEL LAYOUT**

DRAWING NO :	HC/	REV :	-
SYSTEM :	-	REV :	-



GROUND LEVEL



ROOF LEVEL

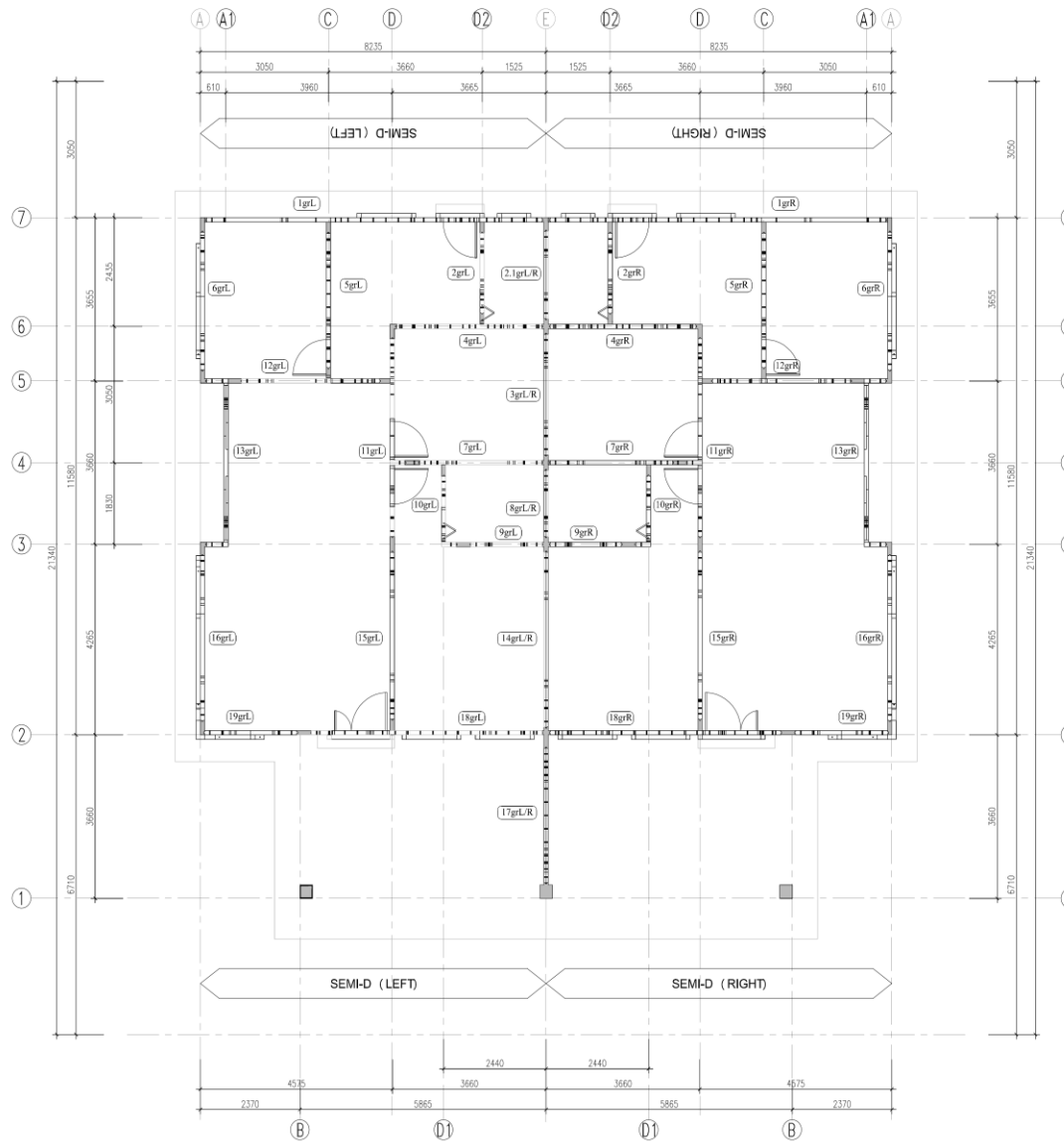
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ESKRN : KC
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 CHECKED : MENC
 EXAM'D : MENC
 APP'D : MENC
 SCALE : NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA
 (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJIAN DI PAMAH KASIH
 CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH,
 PAHANG.
 UNTUK TETUAN:

DRAWING TITLE :
**SINGLE STOREY SEMI-D (RIGHT UNIT)
 GROUND & ROOF LEVEL
 WALL PANEL LAYOUT**
 DRAWING NO : HC/ REV : -
 SYSTEM : - REV : -



GROUND LEVEL

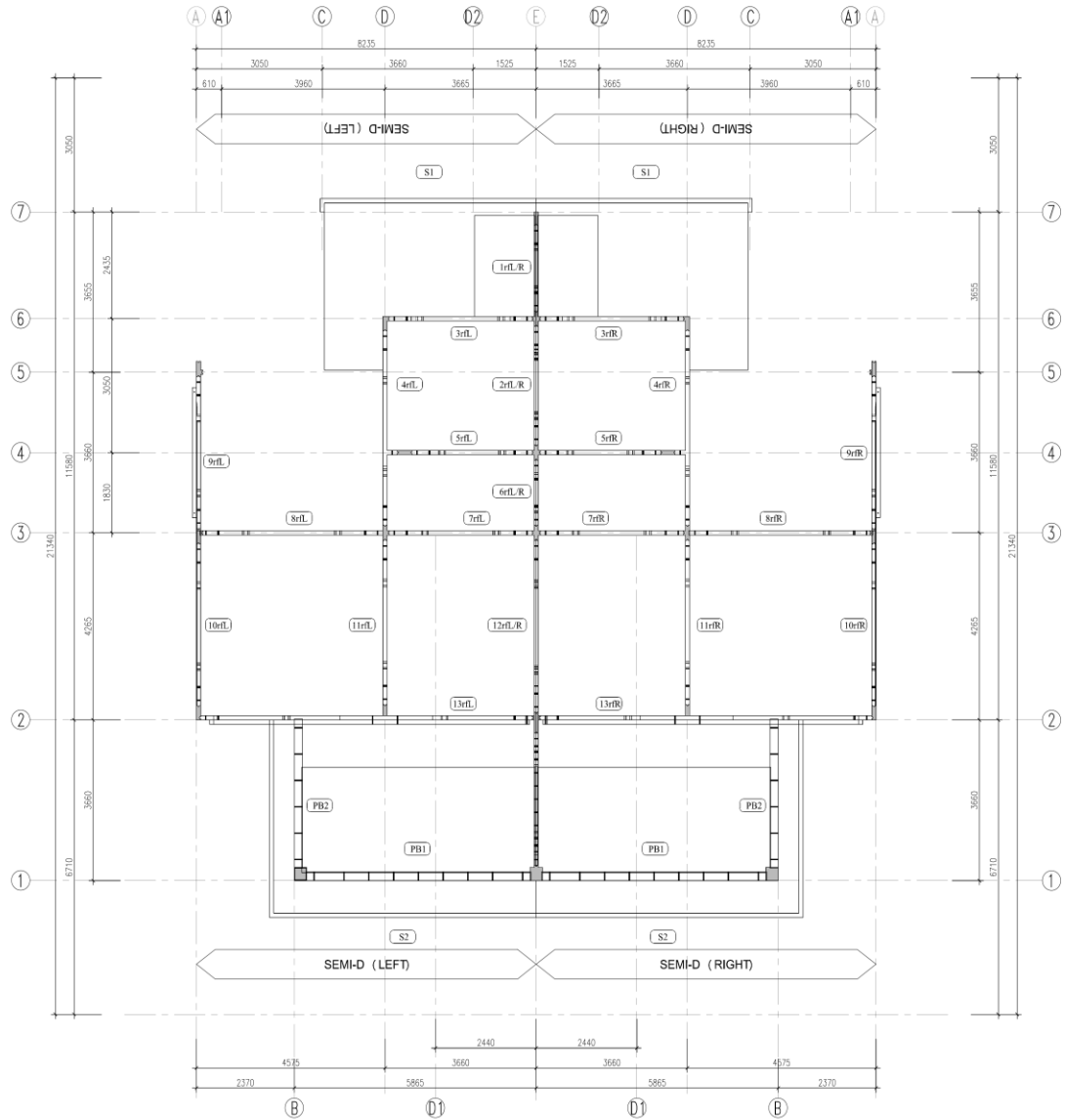
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CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA
 (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH,
 CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH,
 PAHANG.
 UNTUK TETUAN:

DRAWING TITLE :	
SINGLE STOREY SEMI-D (LEFT & RIGHT UNIT) GROUND LEVEL WALL PANEL LAYOUT	
DRAWING NO :	HC/
SYSTEM :	-
REV :	-



ROOF LEVEL

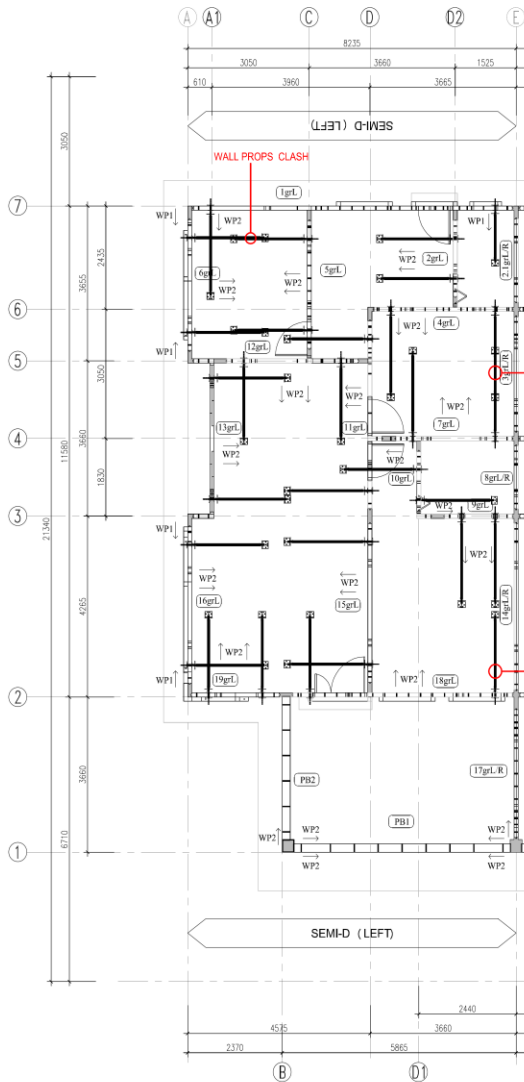
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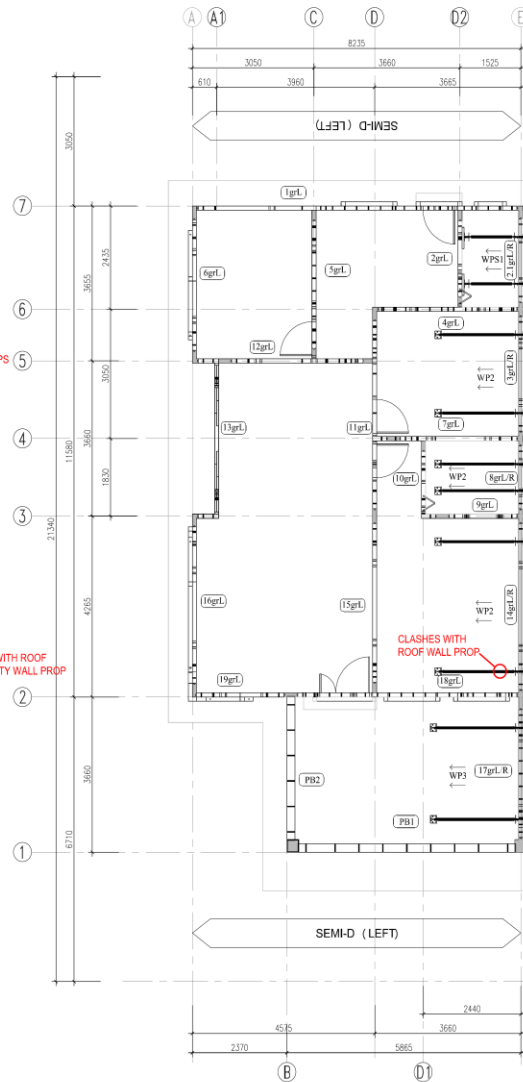
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CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA
 (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH
 CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH,
 PAHANG.
 UNTUK TETUAN:

DRAWING TITLE :
**SINGLE STOREY SEMI-D
 (LEFT & RIGHT UNIT)
 ROOF LEVEL WALL PANEL LAYOUT**
 DRAWING NO : HC/ REV : -
 SYSTEM : - REV : -

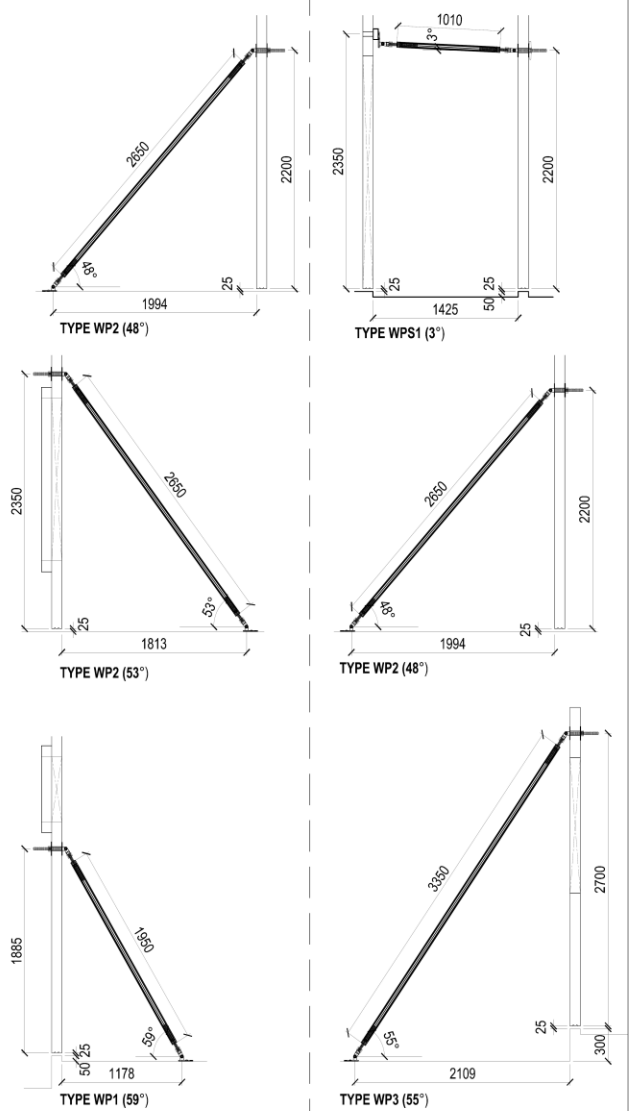


GROUND LEVEL WALL PROPS

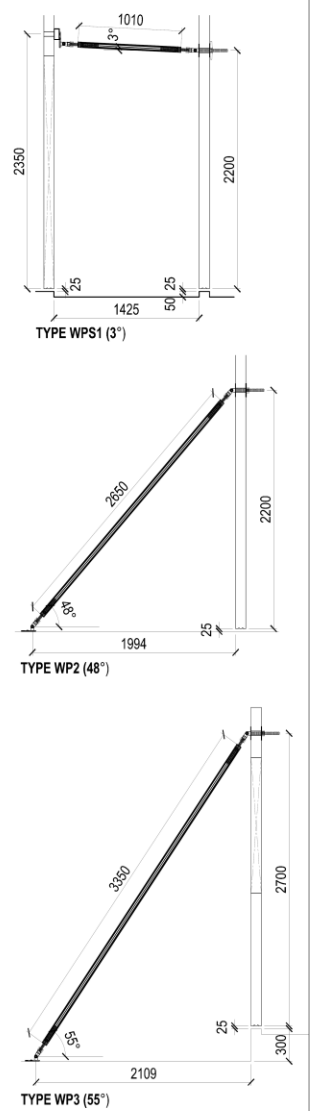


GROUND LEVEL PARTY WALL PROPS

GROUND LEVEL - TYPES OF WALL PROP



GROUND LEVEL - TYPES OF PARTY WALL PROP



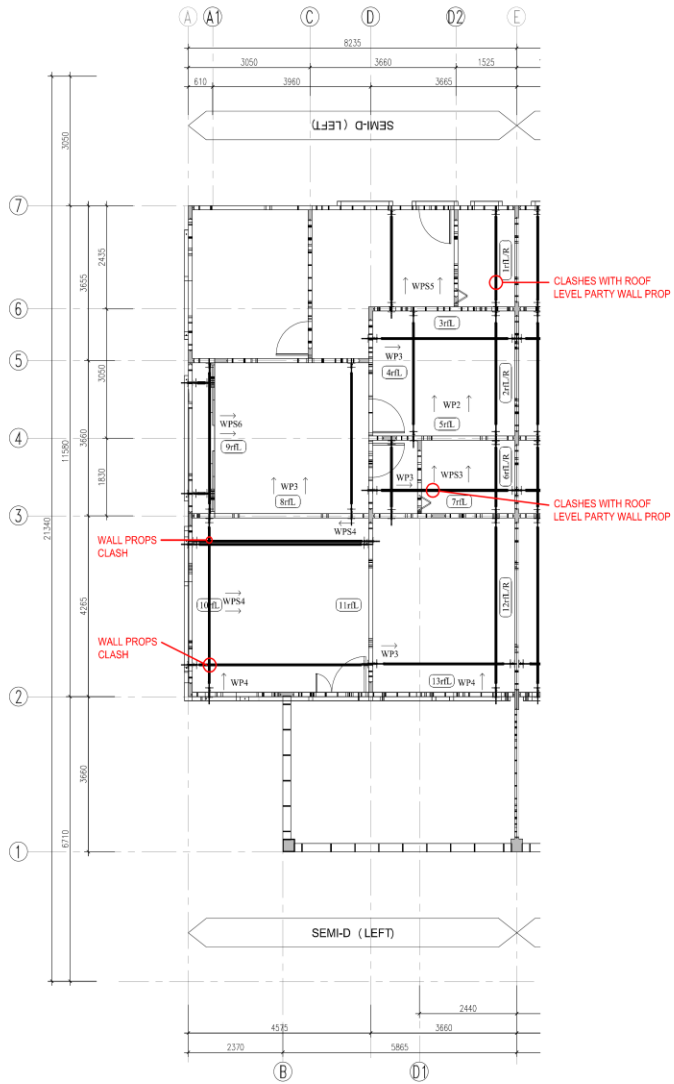
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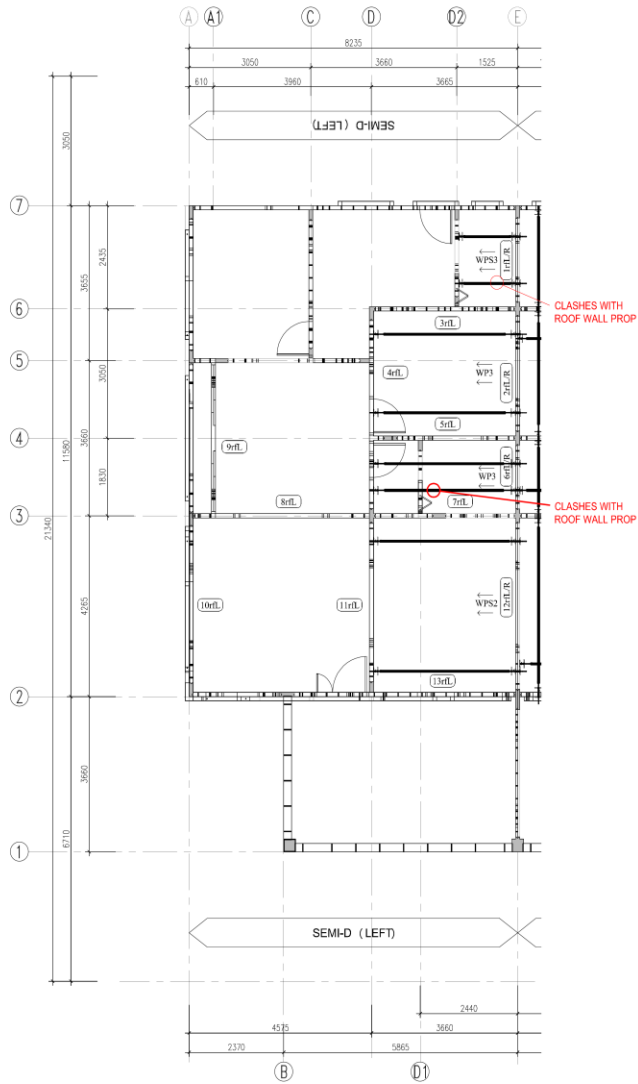
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 SCALE : NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA
 (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASHI,
 CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH,
 PAHANG.
 UNTUK TETUAN:

DRAWING TITLE
 SINGLE STOREY SEMI-D (LEFT UNIT)
 GROUND LEVEL - WALL PROPS & PARTY
 WALL PROPS LAYOUT, TYPES OF WALL PROP
 DRAWING NO : HC/ - - - - - REV : -
 SYSTEM : - - - - - REV : -



**ROOF LEVEL
WALL PROPS**



**ROOF LEVEL
PARTY WALL PROPS**

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APPRO'D :	MENG
SCALE :	NIS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT

DI ATAS TANAH KERAJAAN DI PAMAH KASHI, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.

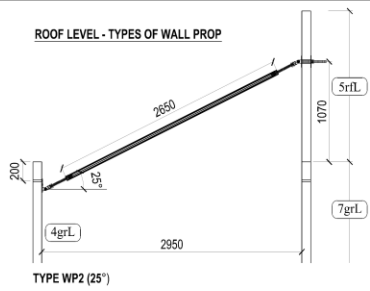
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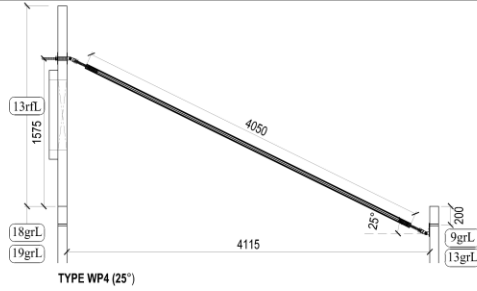
SINGLE STOREY SEMI-D (LEFT UNIT)
ROOF LEVEL - WALL PROPS &
PARTY WALL PROPS LAYOUT

DRAWING NO :	HC/	REV :	-
SYSTEM :	-	REV :	-

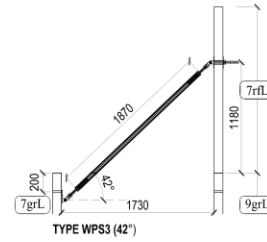
ROOF LEVEL - TYPES OF WALL PROP



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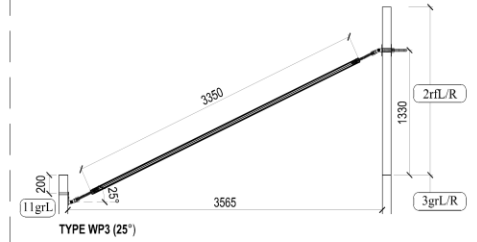


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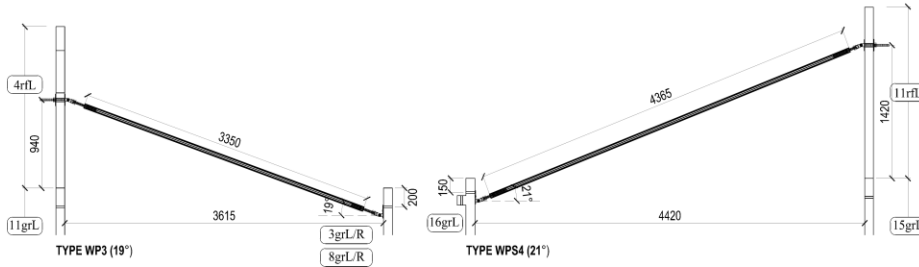


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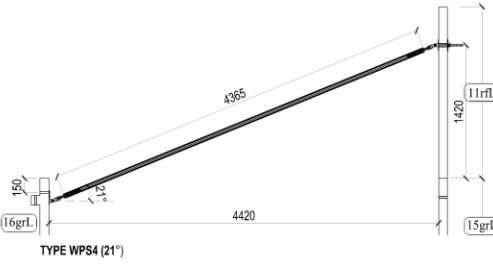
ROOF LEVEL - TYPES OF PARTY WALL PROP



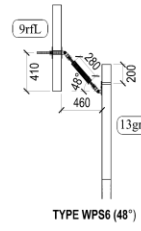
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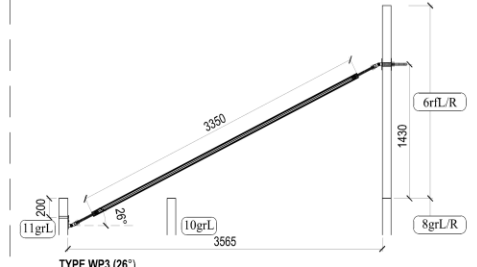
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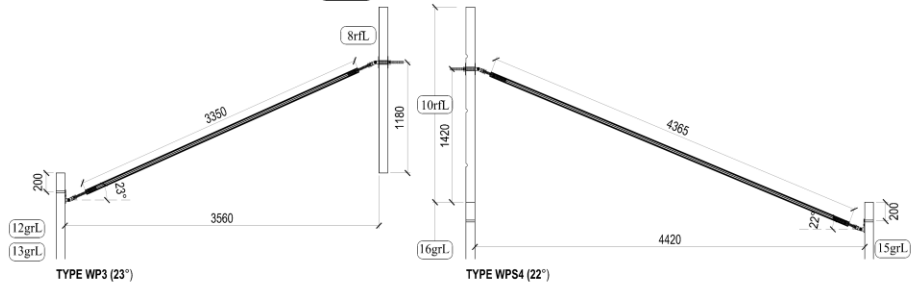
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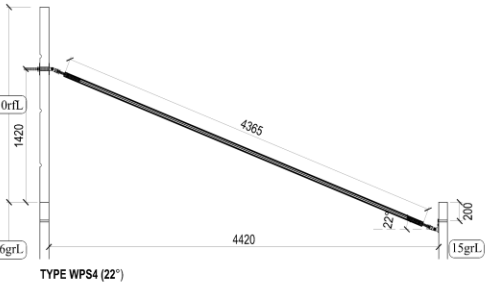
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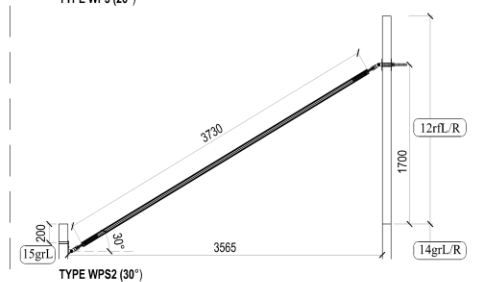
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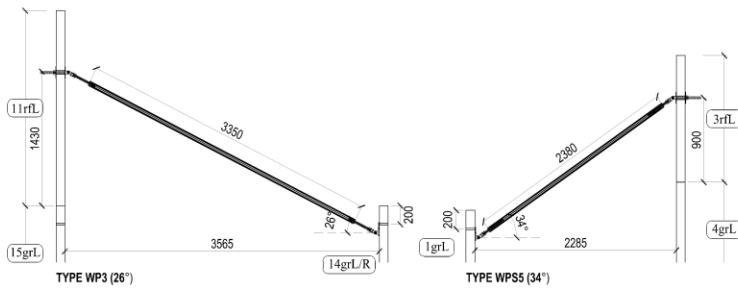
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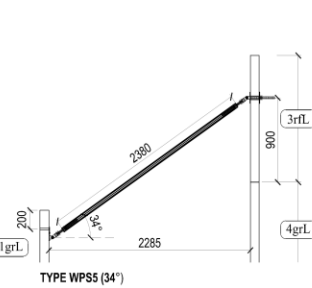
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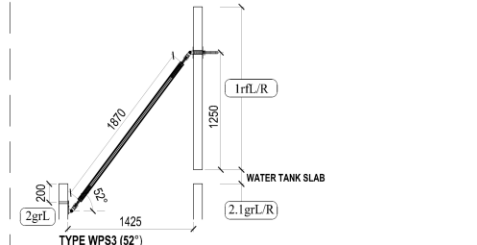
TYPE WPS2 (30°)



TYPE WP3 (26°)



TYPE WPS5 (34°)



TYPE WPS3 (52°)

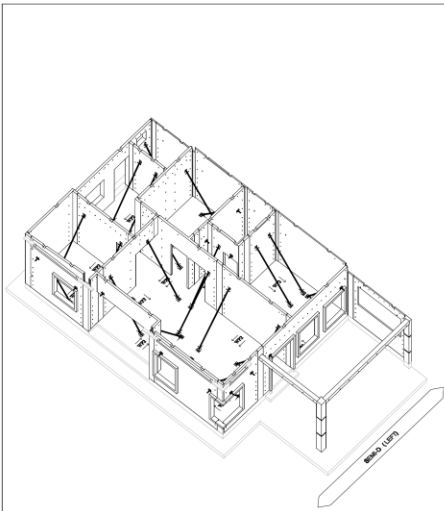
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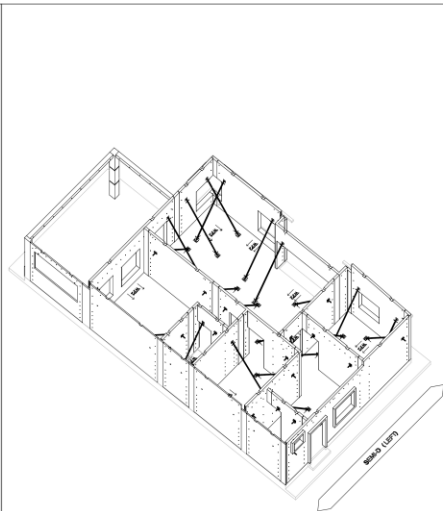
DRAWN : KC
 DATE : FEB 2018
 CHECKED : MENG
 EXAMTD : MENG
 APPROV : MENG
 SCALE : NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA
 (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASHI,
 CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH,
 PAHANG.
 UNTUK TETUAN:

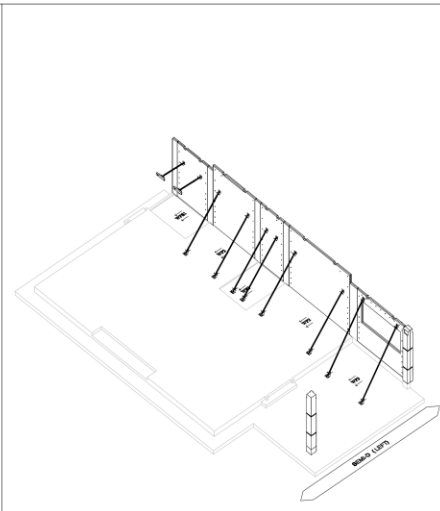
DRAWING TITLE
 SINGLE STOREY SEMI-D (LEFT UNIT)
 ROOF LEVEL - TYPES OF WALL PROP
 DRAWING NO : HC/ - - - - - REV : -
 SYSTEM : - - - - - REV : -



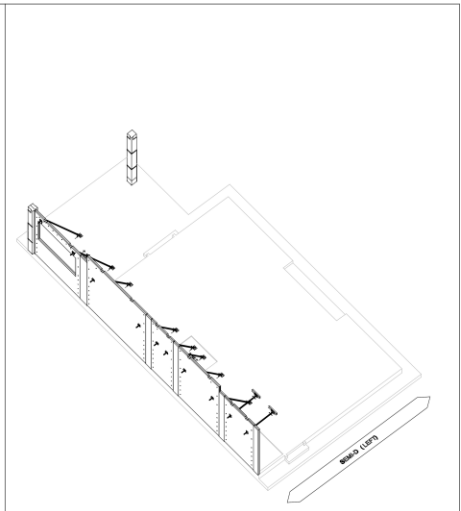
GROUND LEVEL WALL PROPS 3D VIEW - FRONT (LEFT SIDE)



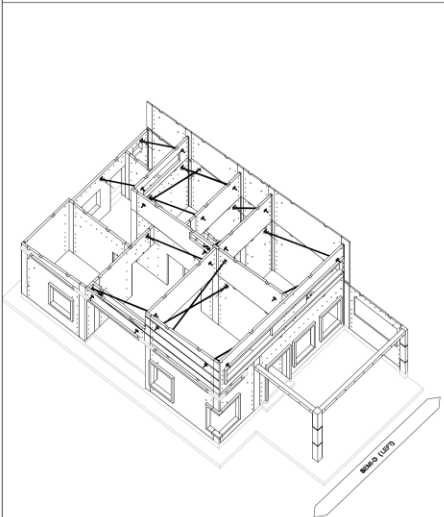
GROUND LEVEL WALL PROPS 3D VIEW - REAR (RIGHT SIDE)



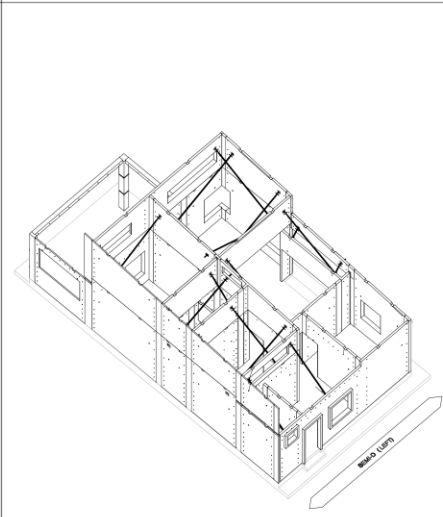
GROUND LEVEL PARTY WALL PROPS 3D VIEW - FRONT (LEFT SIDE)



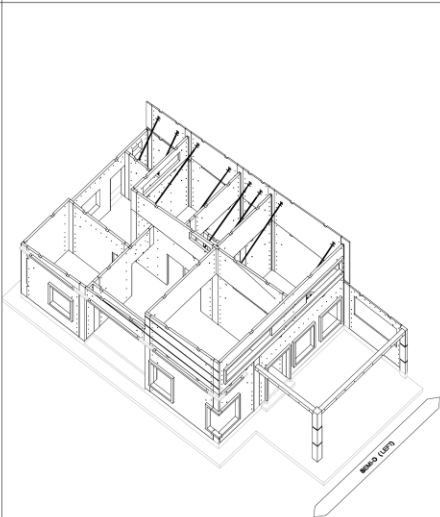
GROUND LEVEL PARTY WALL PROPS 3D VIEW - REAR (RIGHT SIDE)



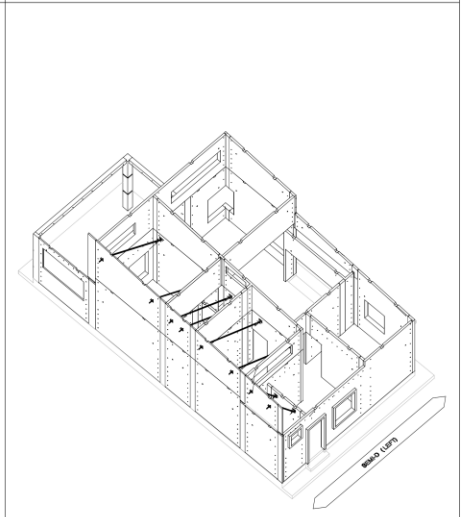
ROOF LEVEL WALL PROPS 3D VIEW - FRONT (LEFT SIDE)



ROOF LEVEL WALL PROPS 3D VIEW - REAR (RIGHT SIDE)



ROOF LEVEL PARTY WALL PROPS 3D VIEW - FRONT (LEFT SIDE)



ROOF LEVEL PARTY WALL PROPS 3D VIEW - REAR (RIGHT SIDE)

SYSTEM PROVIDER

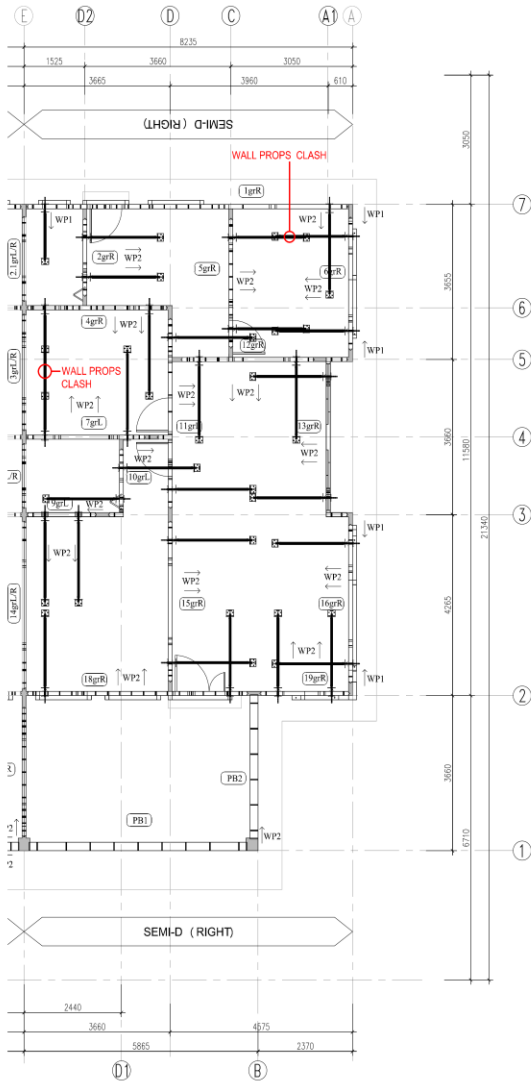
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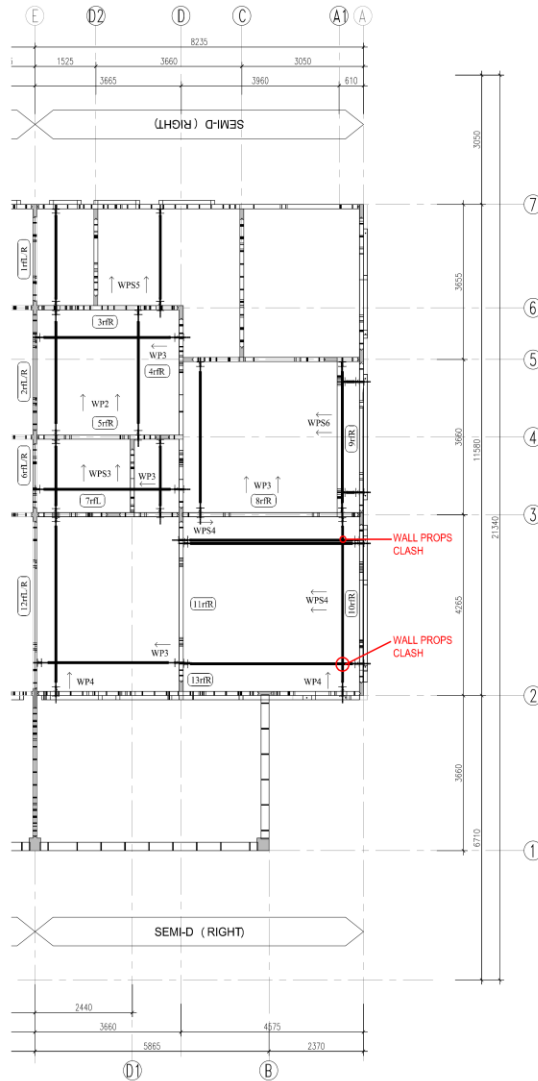
DRAWN :	KC
DATE :	FEB 2018
CHECKED :	MENG
EXAM'D :	MENG
APPRO'D :	MENG
SCALE :	NTS

CADANGAN SKIM PERUMAHAN RAKYAT I MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR I TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASHI, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

DRAWING TITLE	
SINGLE STOREY SEMI-D (LEFT UNIT) GROUND & ROOF LEVEL - WALL PROPS & PARTY WALL PROPS 3D	
DRAWING NO :	HC/ - - - - -
SYSTEM :	- - - - -
REV :	-
REV :	-

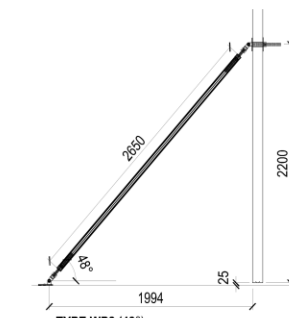


**GROUND LEVEL
WALL PROPS**

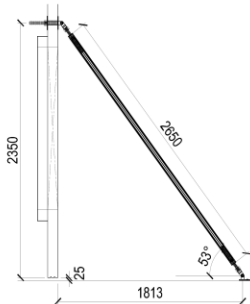


**ROOF LEVEL
WALL PROPS**

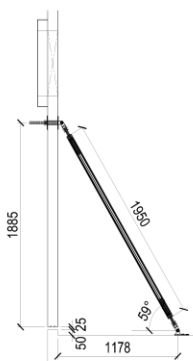
GROUND LEVEL - TYPES OF WALL PROP



TYPE WP2 (48°)



TYPE WP2 (53°)



TYPE WP1 (59°)

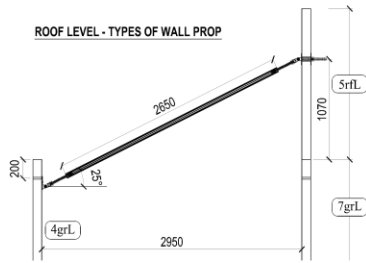
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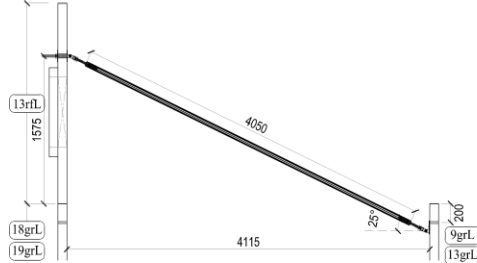
OWNER : **KC**
 CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DATE : **FEB 2018**
 CHECKED BY : **MENG**
 DRAWN BY : **MENG**
 APPROVED BY : **MENG**
 SCALE : **NIS**
 UNTUK TETUAN:

DRAWING TITLE
**SINGLE STOREY SEMI-D (RIGHT UNIT)
 GROUND & ROOF LEVEL-WALL PROPS LAYOUT
 GROUND LEVEL - TYPES OF WALL PROP**
 DRAWING NO : **HC/** REV :
 SYSTEM : **-** REV : **-**

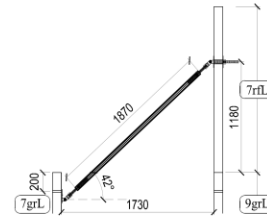
ROOF LEVEL - TYPES OF WALL PROP



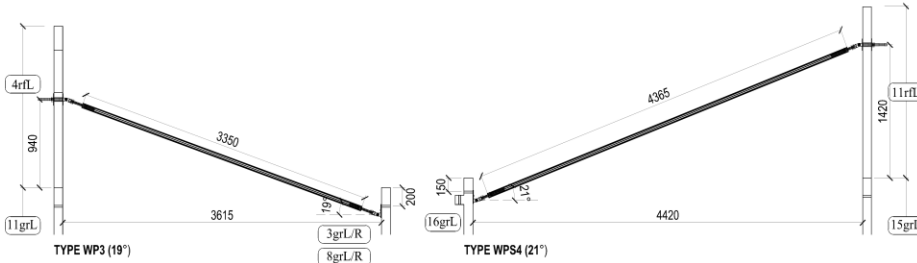
TYPE WP2 (25°)



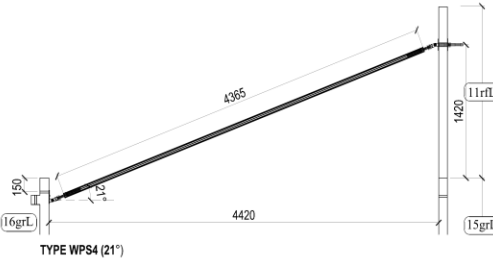
TYPE WP4 (25°)



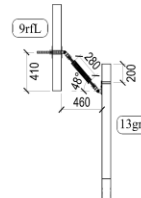
TYPE WPS3 (42°)



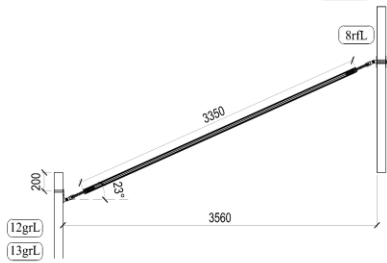
TYPE WP3 (19°)



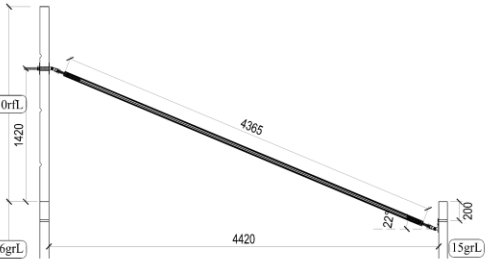
TYPE WPS4 (21°)



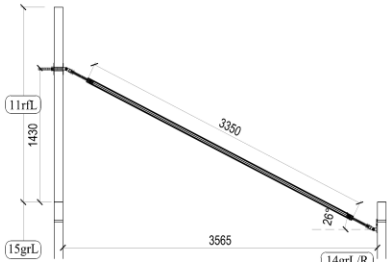
TYPE WPS6 (48°)



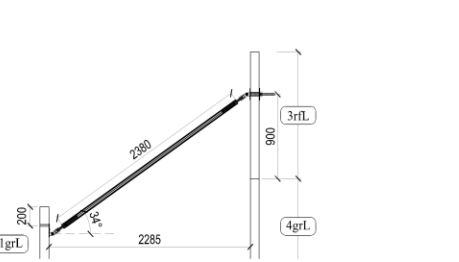
TYPE WP3 (23°)



TYPE WPS4 (22°)



TYPE WP3 (26°)



TYPE WPS5 (34°)

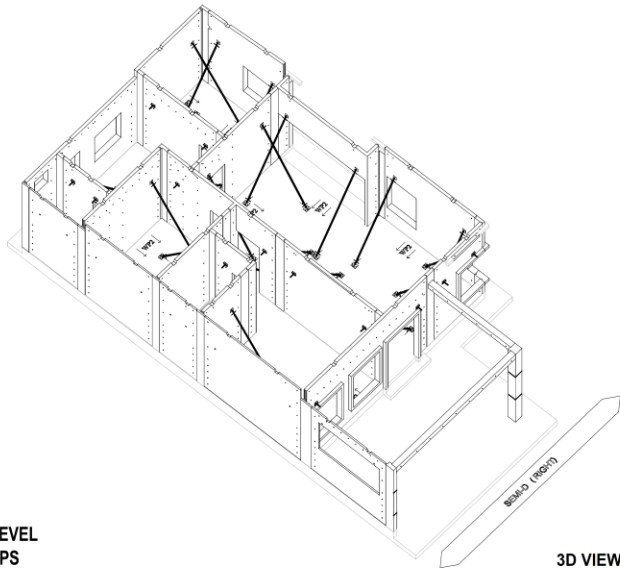
SYSTEM PROVIDER
HC PRECAST SYSTEM SDN. BHD. (586697-M)
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DRAWN : KC
 DATE : FEB 2018
 CHECKED : MENG
 EXAM'D : MENG
 APPROV'D : MENG
 SCALE : NTS

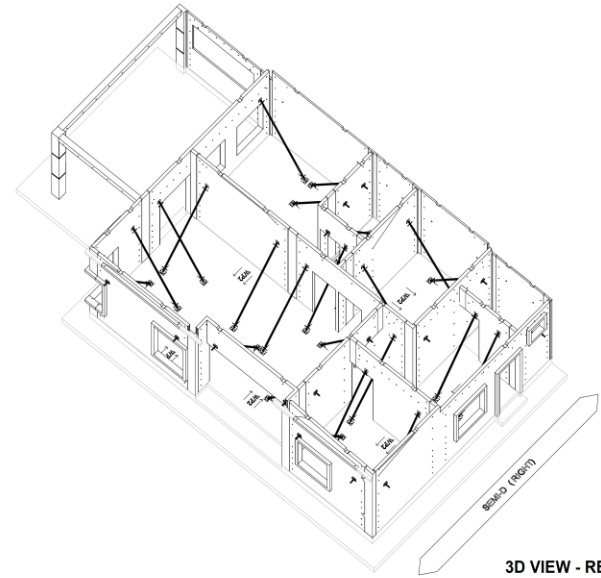
CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA
 (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASHI,
 CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH,
 PAHANG.
 UNTUK TETUAN:

DRAWING TITLE
 SINGLE STOREY SEMI-D (RIGHT UNIT)
 ROOF LEVEL - TYPES OF WALL PROP
 DRAWING NO : HC/ - - REV : -
 SYSTEM : - - REV : -



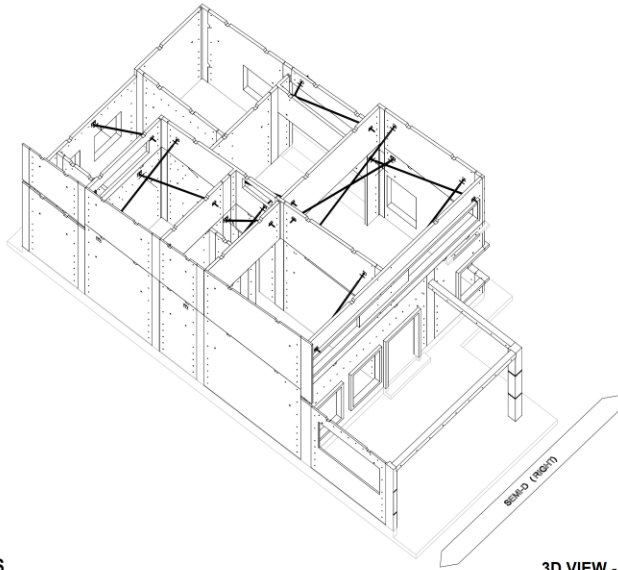
**GROUND LEVEL
WALL PROPS**

3D VIEW - FRONT (LEFT SIDE)



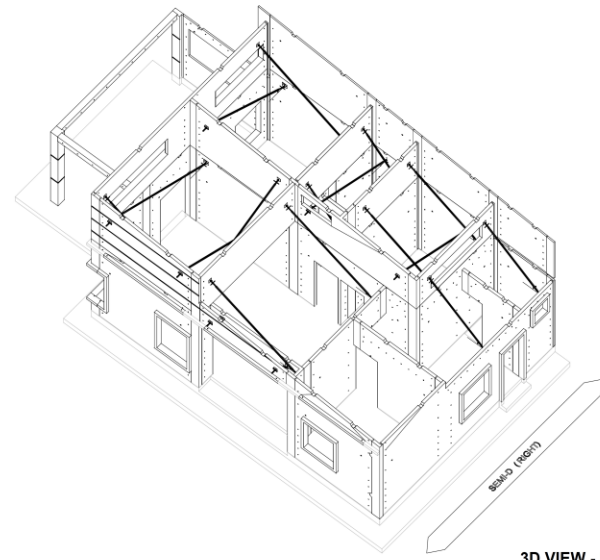
**GROUND LEVEL
WALL PROPS**

3D VIEW - REAR (RIGHT SIDE)



**ROOF LEVEL
WALL PROPS**

3D VIEW - FRONT (LEFT SIDE)



**ROOF LEVEL
WALL PROPS**

3D VIEW - REAR (RIGHT SIDE)

SYSTEM PROVIDER



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Tel:03-3323 7999 Fax:03-3323 8993

DESIGN :	KC
DATE :	FEB 2018
CHECKED :	MENG
EXAM'D :	MENG
APPRO'D :	MENG
SCALE :	NTS

CADANGAN SKEM PERUMAHAN RAKYAT I MALAYSIA
(PRIMA) BAGI RUMAH BERKEMBAR I TINGKAT

DI ATAS TANAH KERAJAAN DI PAMAH KASHI,
CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH,
PAHANG.

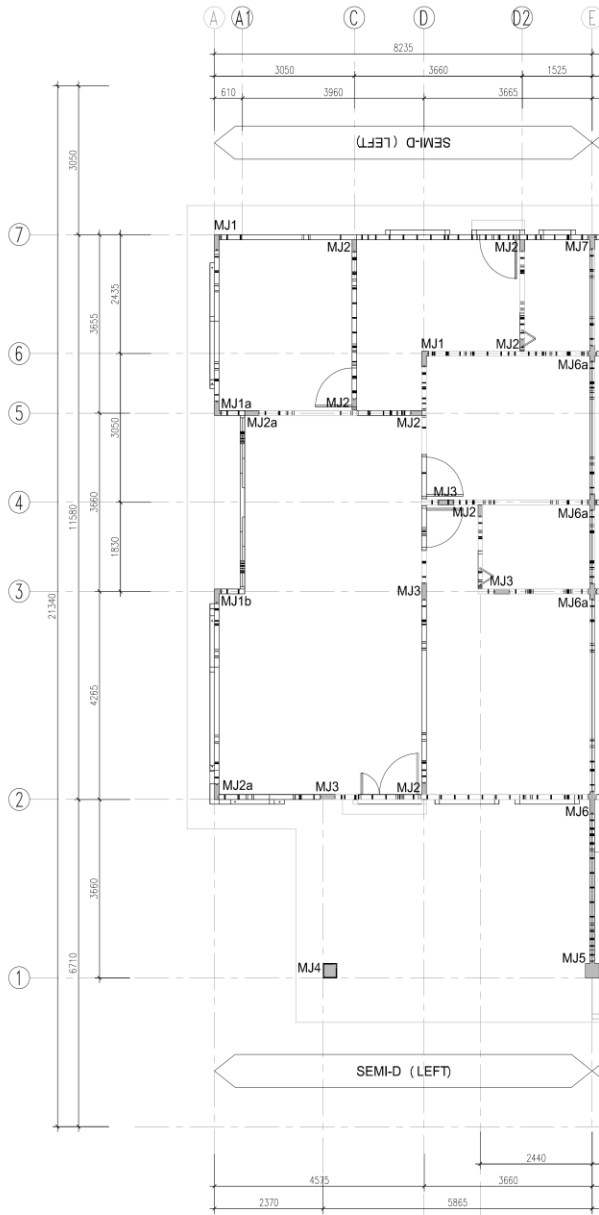
UNTUK TETUAN:

DRAWING TITLE

SINGLE STOREY SEMI-D (RIGHT UNIT)
GROUND & ROOF LEVEL - WALL PROPS 3D

DRAWING NO :	HC/	REV :	-
SYSTEM :	-	REV :	-

f) Wet Joint Layout Plan
& Schedule




MODIFIED JOINT (LEFT UNIT)
GROUND LEVEL

NO.	COLUMN	SHAPE	QTY
1.	MJ1		2
2.	MJ1a		1
3.	MJ1b		1
4.	MJ2		7
5.	MJ2a		2
6.	MJ3		4
7.	MJ4		1

MODIFIED JOINT (COMMON PARTY WALL)
GROUND LEVEL

NO.	COLUMN	SHAPE	QTY
1.	MJ5		1
2.	MJ6		1
3.	MJ6a		3
4.	MJ7		1

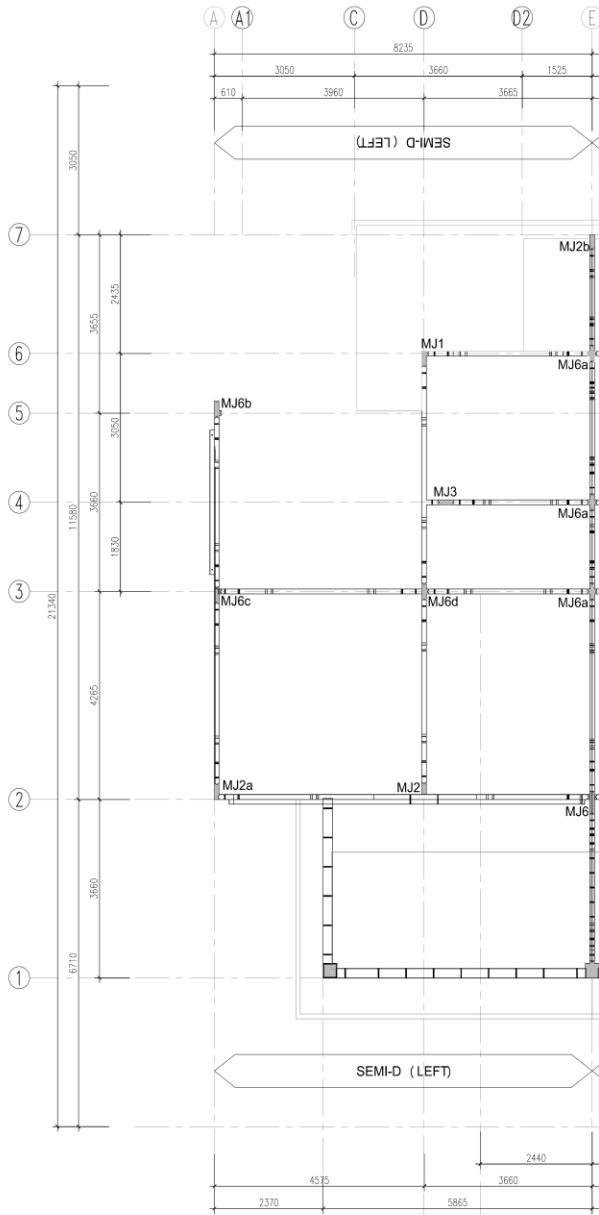
SYSTEM PROVIDER

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ISSAN :
 DATE :
 CHECKED :
 EXAM'D :
 APP'D :
 SCALE :

HC
 APR 2018
 MENC
 MENC
 MENC
 NTS
 CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA
 (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH,
 CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH,
 PAHANG.
 UNTUK TETUAN:

DRAWING TITLE :
 SINGLE STOREY SEMI-D (LEFT UNIT)
 GROUND LEVEL
 WET JOINT LAYOUT & SCHEDULE
 DRAWING NO :
 SYSTEM :



MODIFIED JOINT (LEFT UNIT)


ROOF LEVEL

NO.	COLUMN	SHAPE	QTY
1.	MJ1		1
2.	MJ2		1
3.	MJ2a		1
4.	MJ3		1
5.	MJ6b		1
6.	MJ6c		1
7.	MJ6d		1

MODIFIED JOINT (COMMON PARTY WALL)

ROOF LEVEL

NO.	COLUMN	SHAPE	QTY
1.	MJ2b		1
2.	MJ6		1
3.	MJ6a		3

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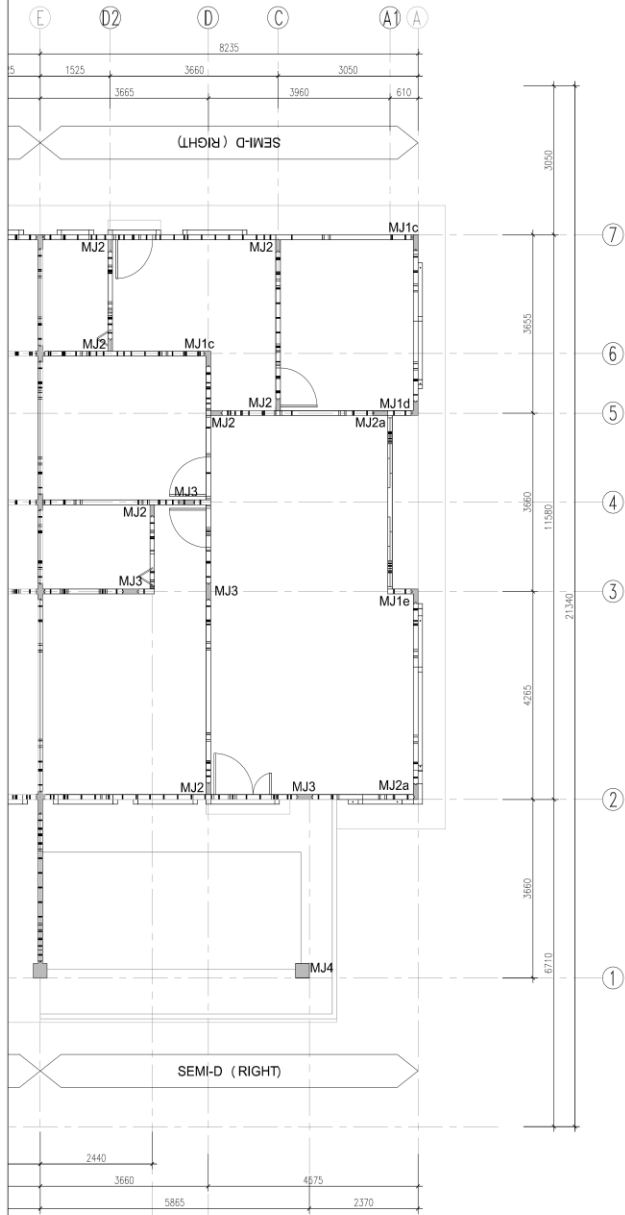
ISSAN :	HC
DATE :	APR 2018
CHECKED :	MENG
DRAWN :	MENG
APPROV :	MENG
SCALE :	NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

DRAWING TITLE :	
SINGLE STOREY SEMI-D (LEFT UNIT) ROOF LEVEL WET JOINT LAYOUT & SCHEDULE	
DRAWING NO :	HC/
SYSTEM :	-
REV :	-

MODIFIED JOINT (RIGHT UNIT)

GROUND LEVEL



NO.	COLUMN	SHAPE	QTY
1.	MJ1c		2
2.	MJ1d		1
3.	MJ1e		1
4.	MJ2		7
5.	MJ2a		2
6.	MJ3		4
7.	MJ4		1

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 41200 Klang, Selangor D.E.
 Tel:03-3323 7999 Fax:03-3323 8993

ISSAN : HC
 DATE : APR 2018
 CHECKED : MENG
 EXAM'D : MENG
 APP'D : MENG
 SCALE : NTS

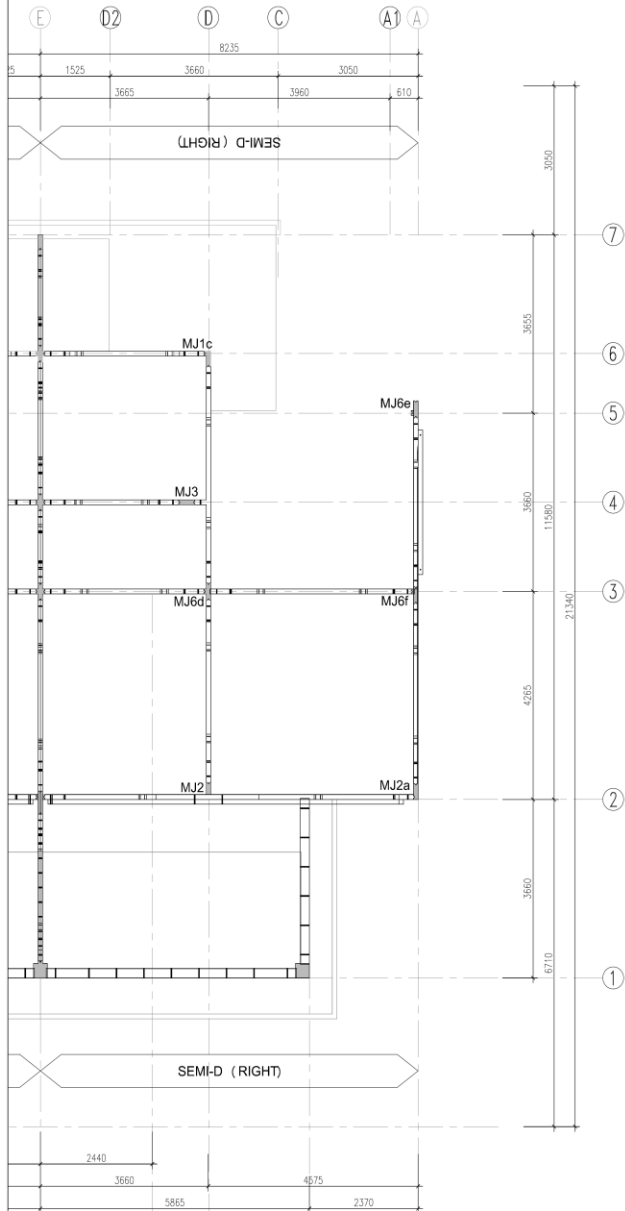
CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA
 (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH,
 CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH,
 PAHANG.
 UNTUK TETUAN:

DRAWING TITLE :
 SINGLE STOREY SEMI-D (RIGHT UNIT)
 GROUND LEVEL
 WET JOINT LAYOUT & SCHEDULE

DRAWING NO : HC/ REV :
 SYSTEM : - REV :

MODIFIED JOINT (RIGHT UNIT)

ROOF LEVEL



NO.	COLUMN	SHAPE	QTY
1.	MJ1c		1
2.	MJ2		1
3.	MJ2a		1
4.	MJ3		1
5.	MJ6e		1
6.	MJ6f		1
7.	MJ6d		1

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 e-mail:enquiry@hcprecast.com.my, Http:www.hcprecast.com.my

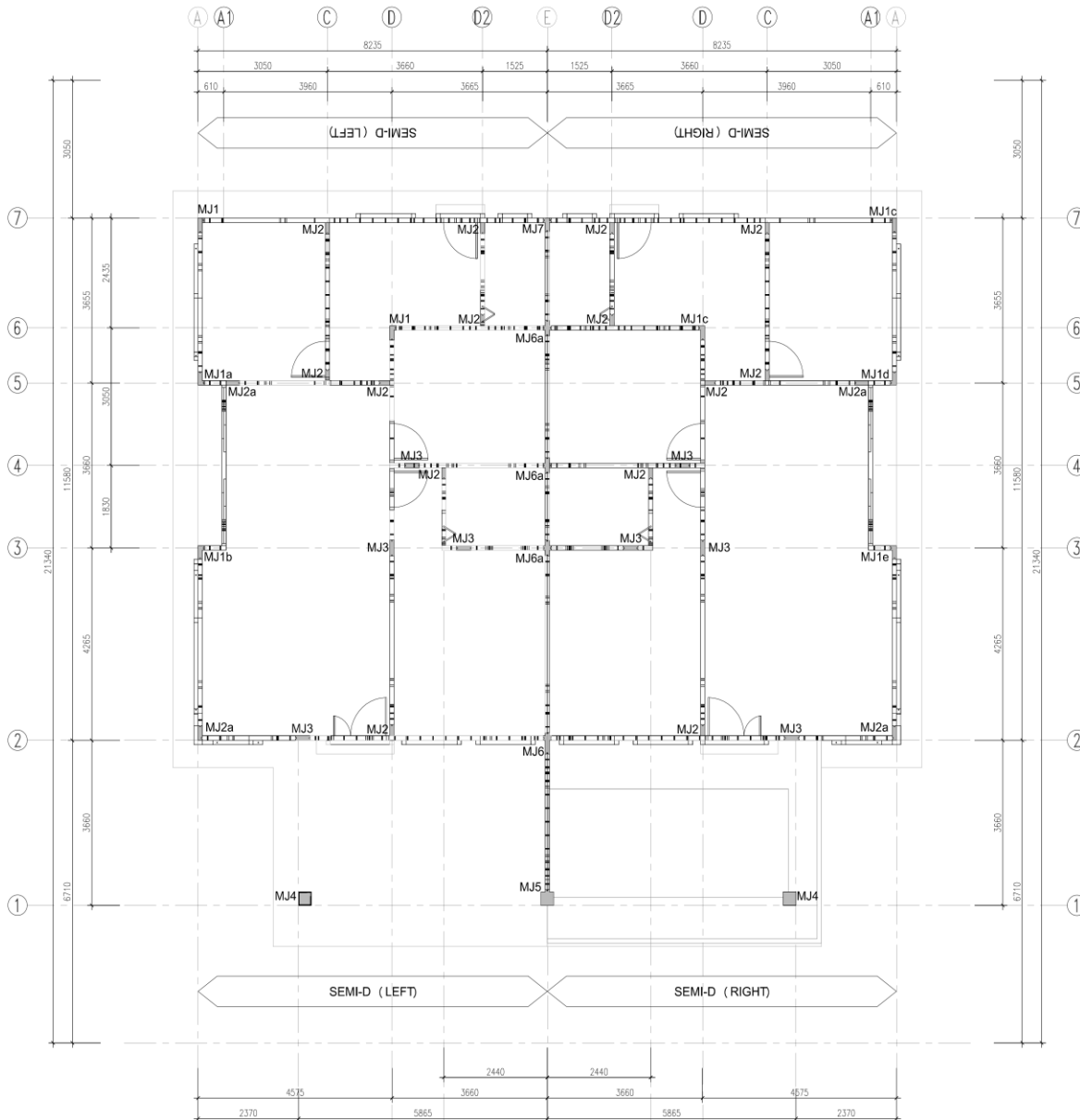
MANUFACTURER
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 Tel:03-3323 7999 Fax:03-3323 8993

ISSAN :	HC
DATE :	APR 2018
CHECKED :	MENG
EXAM'D :	MENG
APPR'D :	MENG
SCALE :	NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TUTUAN:

DRAWING TITLE :	
SINGLE STOREY SEMI-D (RIGHT UNIT) ROOF LEVEL WET JOINT LAYOUT & SCHEDULE	
DRAWING NO :	HC/
SYSTEM :	-
REV :	-

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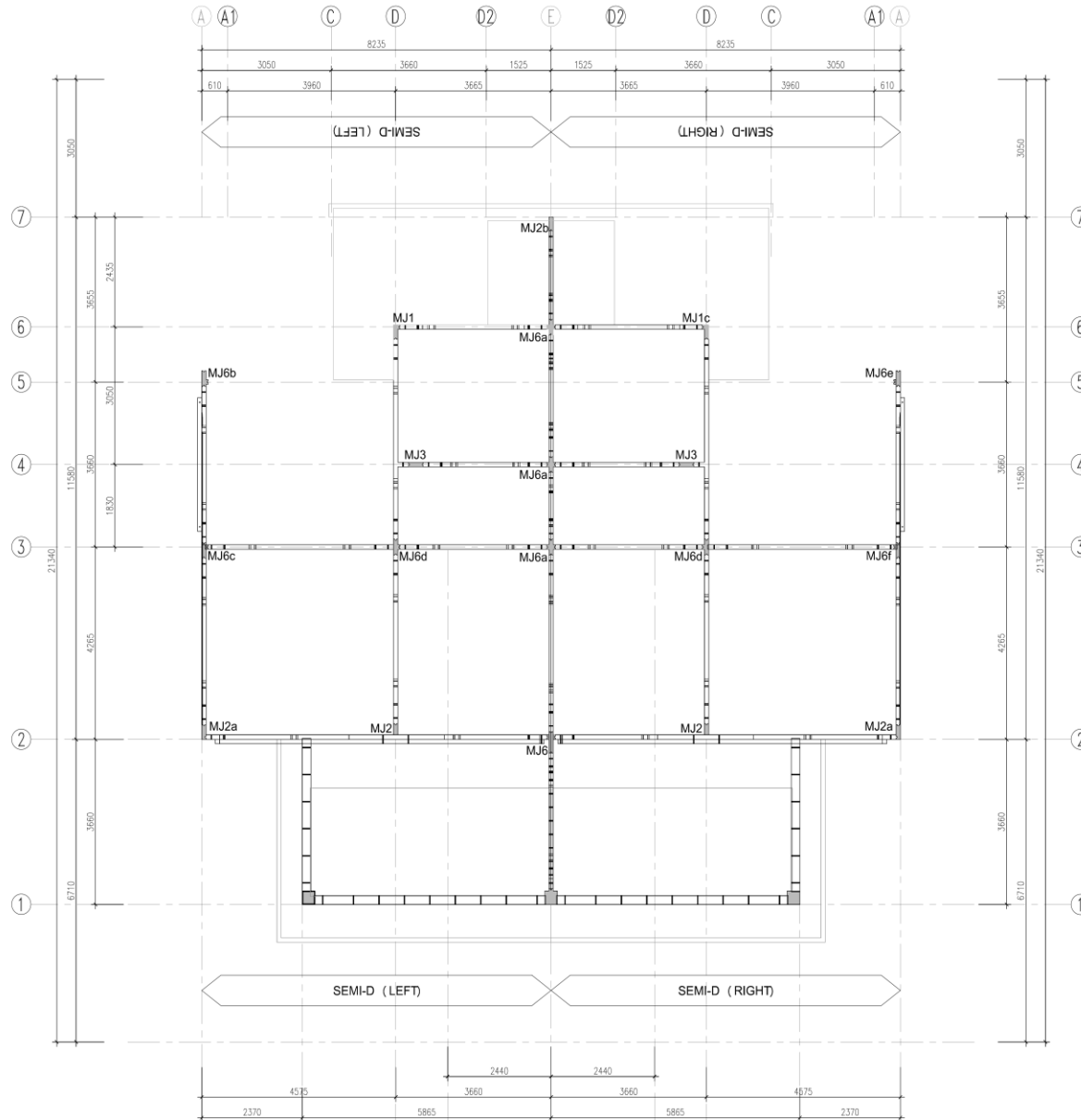
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 Tel:03-3323 7999 Fax:03-3323 8993

ISSUED :	HC
DATE :	APR 2018
CHECKED :	MENC
EXAM'D :	MENC
APPRO'D :	MENC
SCALE :	NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

DRAWING TITLE :	
SINGLE STOREY SEMI-D (LEFT & RIGHT UNIT) GROUND LEVEL WET JOINT LAYOUT	
DRAWING NO :	HC/
SYSTEM :	-
REV :	-



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Tel:03-3323 7999 Fax:03-3323 8993

ISSAN :

KC

DATE :

APR 2018

CHECKED :

MENG

EXAPD :

MENG

APPRD :

MENG

SCALE :

NTS

CADANGAN SKIM PERUMAHAN RAKYAT I MALAYSIA
(PRIMA) BAGI RUMAH BERKEMBAR I TINGKAT
DI ATAS TANAH KERAJAAN DI PAMAH KASIH,
CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH,
PAHANG.

UNTUK TETUAN:

DRAWING TITLE :

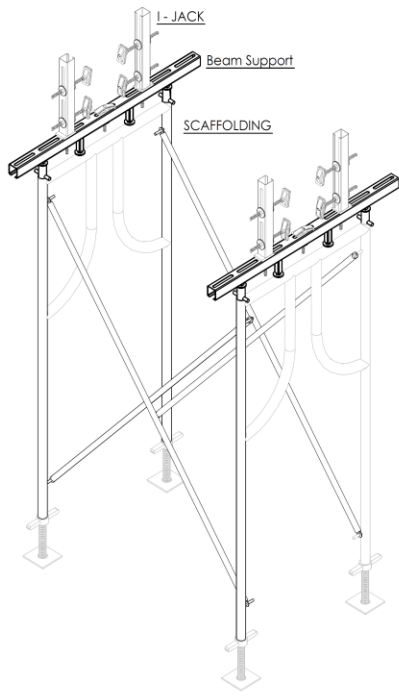
SINGLE STOREY SEMI-D
(LEFT & RIGHT UNIT)
ROOF LEVEL WET JOINT LAYOUT

DRAWING NO : HC/ REV : -

SYSTEM : - REV : -

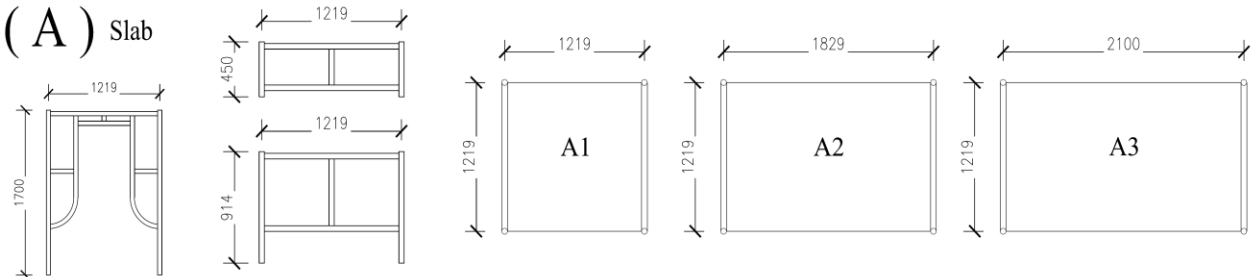
g) Scaffolding Support (On-site)

- Cast In-situ Slab
- Precast Half Slab
- Precast Beam
- Roof Level Wall Panels

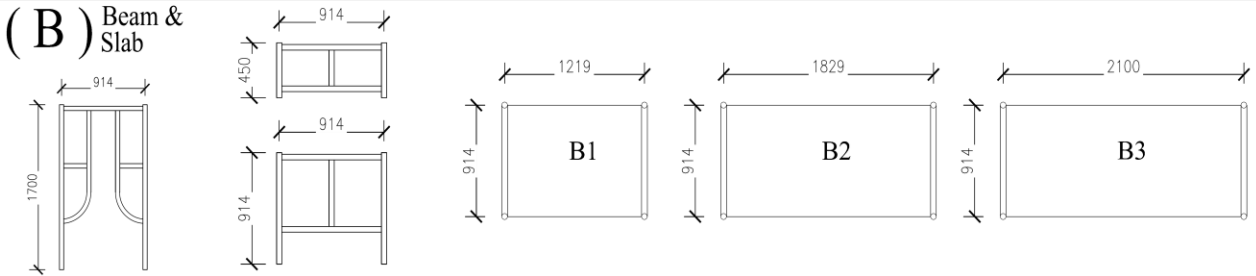


SCAFFOLDING

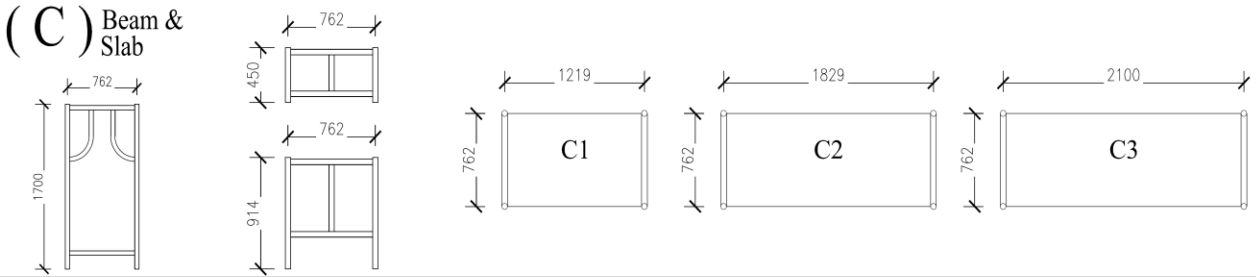
(A) Slab



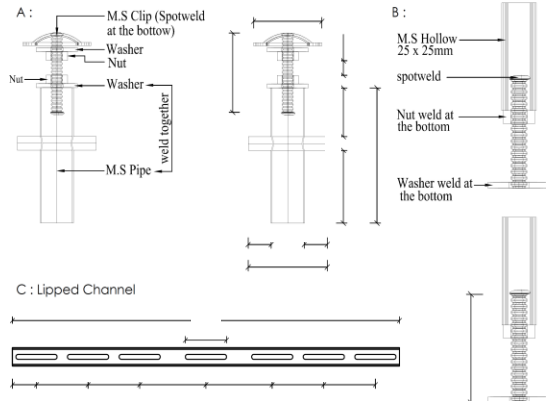
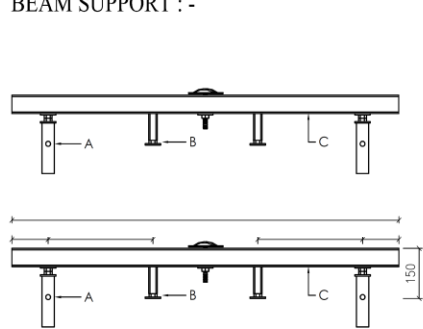
(B) Beam & Slab



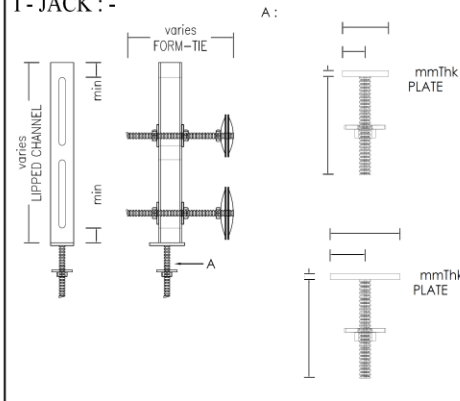
(C) Beam & Slab



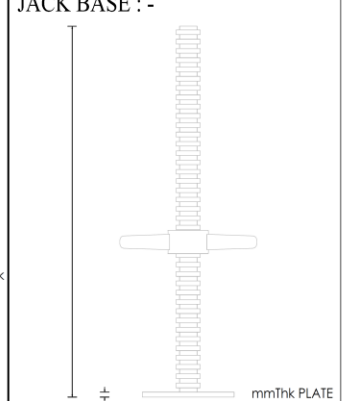
BEAM SUPPORT :-



I - JACK :-



JACK BASE :-



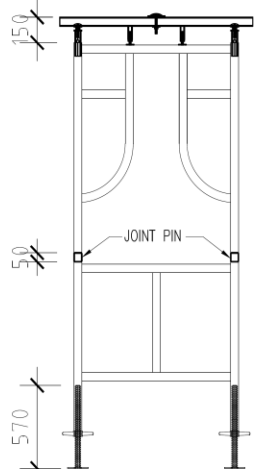
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 Tel:03-3323 7999 Fax:03-3323 8993

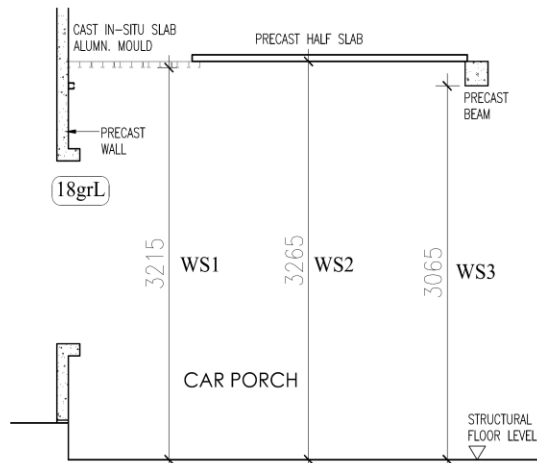
DESIGN: KC
 DATE: NOV 2018
 CHECKED: MDG
 DRAWN: MDG
 APPROV: MDG
 SCALE: NS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA
 (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH,
 CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH,
 PAHANG.
 UNTUK TETAPAN:

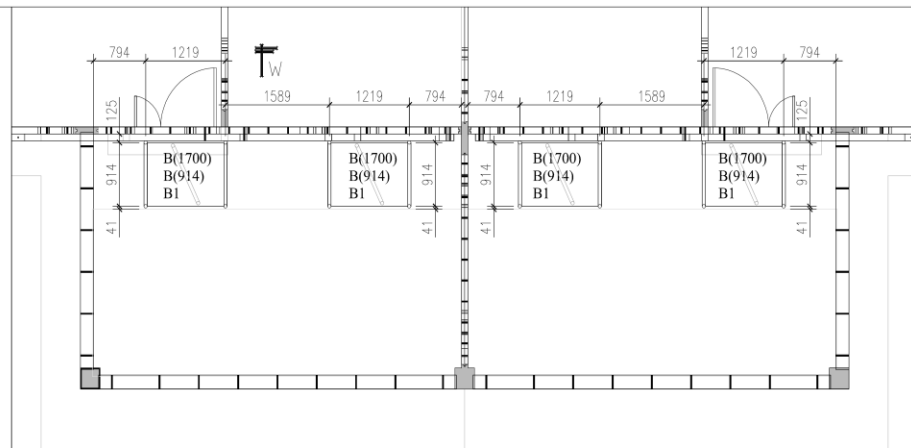
DRAWING TITLE:
 SCAFFOLDING, BEAM SUPPORT
 STANDARD ACCESSORIES
 DRAWING NO.: HC/BD/SD/SC-01
 SYSTEM: -
 REV: -



TYPICAL COMBINATION



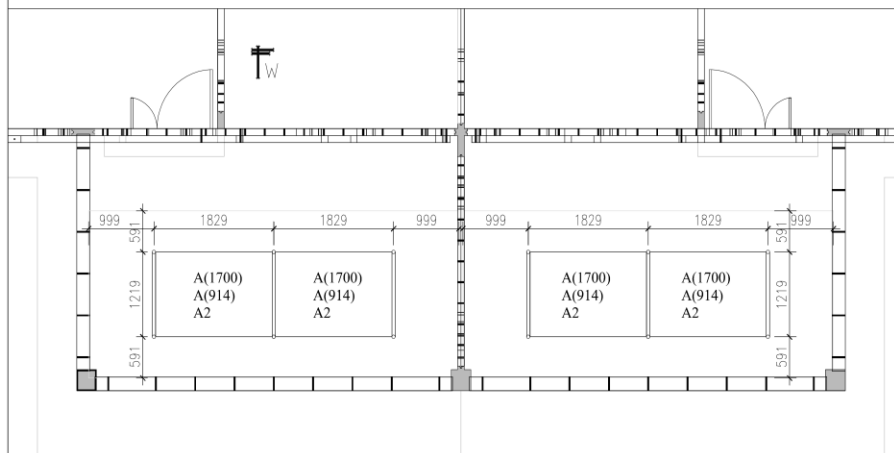
SECTION W-W



SEMI-D (LEFT)

SEMI-D (RIGHT)

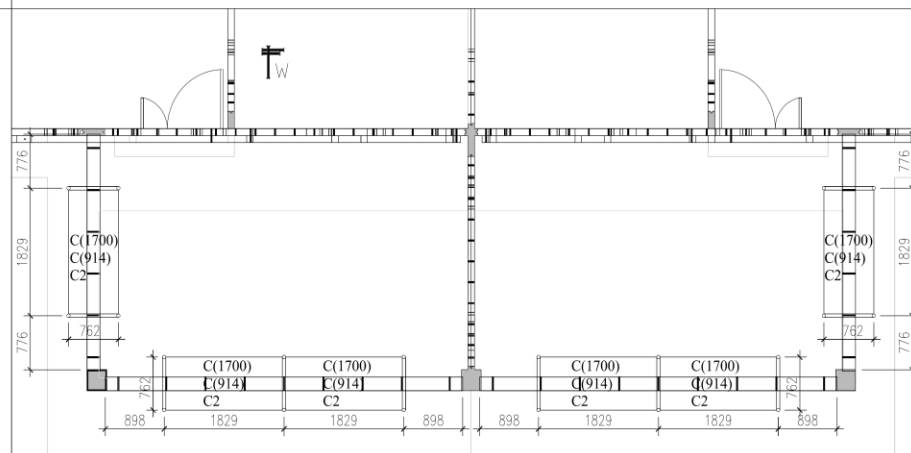
SCAFFOLDING WS1
for Cast In-situ Slab Alumn. Mould



SEMI-D (LEFT)

SEMI-D (RIGHT)

SCAFFOLDING WS2
for Precast Half Slab



SEMI-D (LEFT)

SEMI-D (RIGHT)

SCAFFOLDING WS3
for Precast Beams

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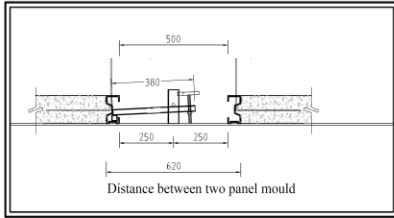
ESKAM : KC
 DATE : NOV 2018
 CHECKED : MENC
 EXAM'D : MENC
 APP'D : MENC
 SCALE : NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA
 (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH
 CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH,
 PAHANG.
 UNTUK TETUAN:

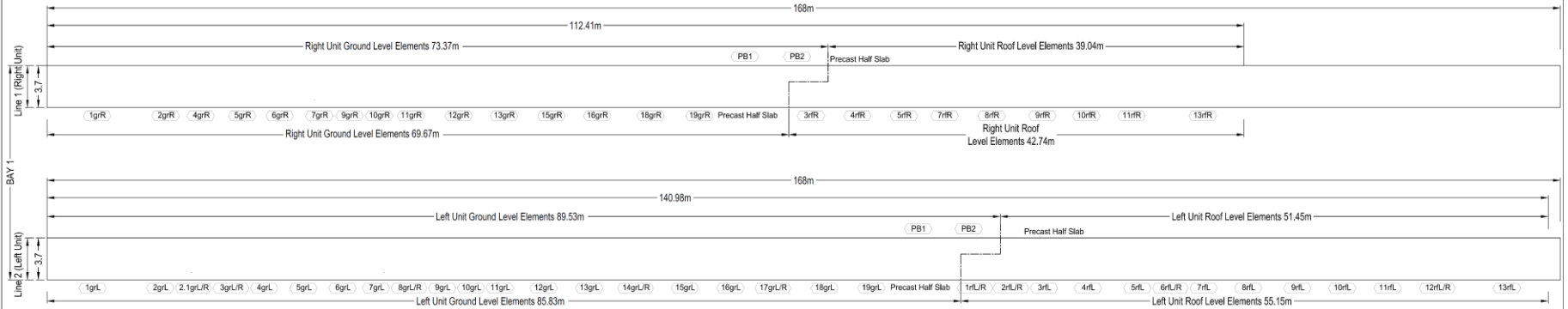
DRAWING TITLE :
 SINGLE STOREY SEMI-D (LEFT & RIGHT UNIT)
 SCAFFOLDING - CAR PORCH SLAB
 DRAWING NO : HC/ _____ REV : -
 SYSTEM : - REV : -

h) Panel Mould Setting Out (Off-site)

Panel Mould Arrangement at Bay Yard



CP : Chequered Plated
BOM : Beam Opening Mould



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ISSAN :	HC
DATE :	APR 2018
CHECKED :	MENG
EXAMD :	MENG
APPRD :	MENG
SCALE :	NTS

CADANGAN SKIM PERUMAHAN RAKYAT I MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

DRAWING TITLE :		SINGLE STOREY SEMI-D PANEL CASTING ARRANGEMENT	
DRAWING NO :	HC/	REV :	-
SYSTEM :	-	REV :	-



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DRAWN :	MENG
APPROV :	MENG
SCALE :	NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT

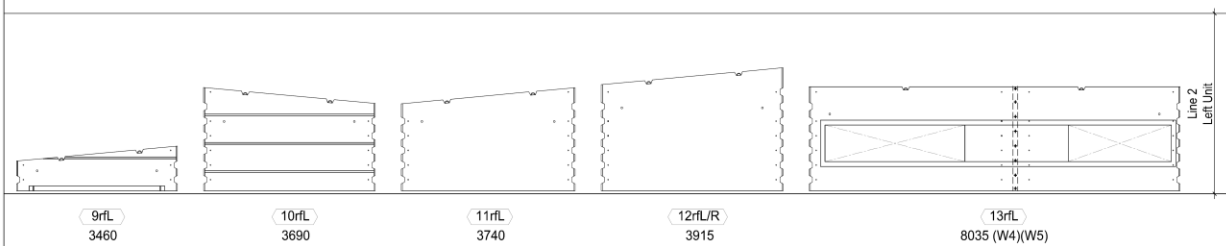
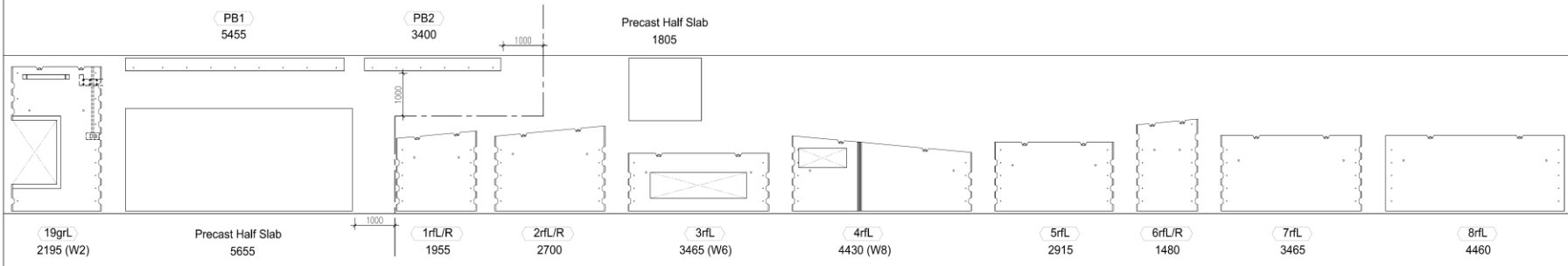
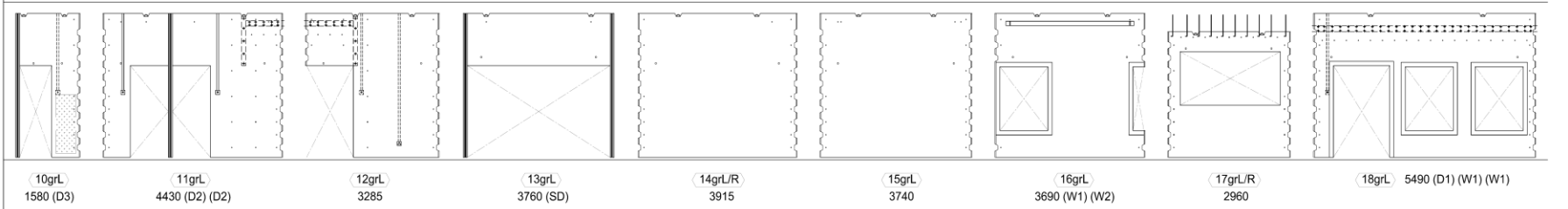
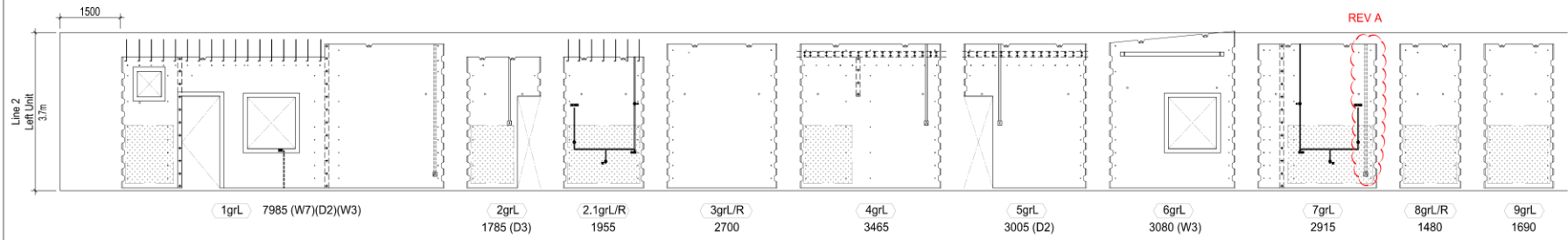
DI ATAS TANAH KERAJAAN DI PAMAH KASIH CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.

UNTUK TUTUAN:

DRAWING TITLE:

SINGLE STOREY SEMI-D (RIGHT UNIT) PANEL CASTING ARRANGEMENT

DRAWING NO :	HC/	REV :	A
SYSTEM :	-	REV :	-



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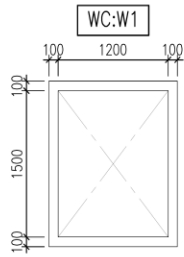
ISSAN : HC
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 CHECKED : MENC
 EXAPD : MENC
 APPRD : MENC
 SCALE : NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

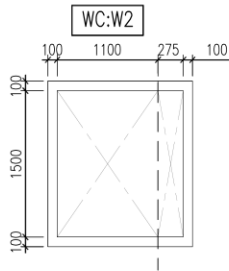
DRAWING TITLE :
SINGLE STOREY SEMI-D (LEFT UNIT) PANEL CASTING ARRANGEMENT

DRAWING NO : HC/ /

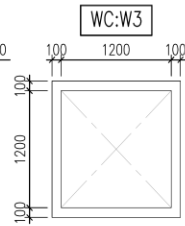
REV : A



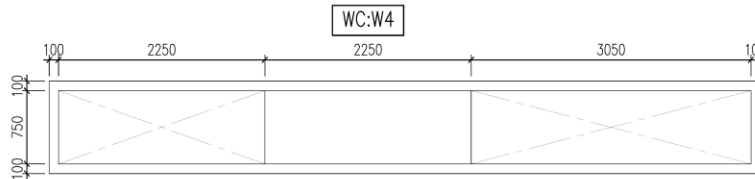
WC:W1
 (OP1) (6 NO)
 1200 x 1500



WC:W2
 (OP2) (2 NO)
 1375 x 1500

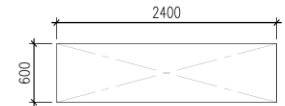


WC:W3
 (OP3) (4 NO)
 1200 x 1200

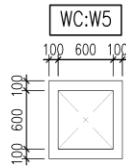


(OP4) (2 NO)
 2250 x 750

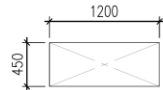
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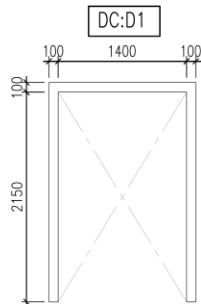
(OP6) (2 NO)
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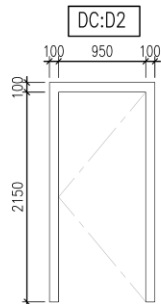
WC:W5
 (OP7) (2 NO)
 600 x 600



(OP8) (2 NO)
 1200 x 450



DC:D1
 (OP9) (2 NO)
 1400 x 2150



DC:D2
 (OP10) (2 NO)
 950 x 2150

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ISSAN :	HC
DATE :	SEP 2018
CHECKED :	MENG
EXAM'D :	MENG
APPR'D :	MENG
SCALE :	NTS

CADANGAN SKIM PERUMAHAN RAKYAT I MALAYSIA
 (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH
 CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH,
 PAHANG.
 UNTUK TETUAN:

DRAWING TITLE :	
SINGLE STOREY SEMI-D (LEFT & RIGHT UNIT) WINDOW & DOOR OPENING SCHEDULE	
DRAWING NO :	HC / _____ 1
REV :	-
SYSTEM :	-
REV :	-


i) Architectural Panel List

HC PRECAST SYSTEM

TITLE : CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 TYPE : LEFT UNIT
 CONCRETE: G30

GROUND LEVEL

	POSITION	PANEL NAME	Chequered Plate	Beam Opening	Refer site PS mould	Panel Height	P & F	Middle P & F	Window	Door	Starter Bar		Power pt.		Wall Light point	13A Switch 1475(h)	TV Outlet 325(h)	Tel Outlet 325(h)	DB/Meter 1675(h)	Cold Water Pipe	Volume (m³)	Weight (Tonnes)
											Side	Top	275(h)	1475(h)								
1	1grL	7985 (W7)(D2)(W3)	yes			3075 / 3375	std	std	W3 & W7	D2	yes	yes	yes							yes	2.295	5.531
2	2grL	1785 (D3)	yes			3075	std			D3	yes				yes						0.431	1.039
3	2.1grL/R	1955	yes			3075	std				yes	yes								yes	0.603	1.453
4	3grL/R	2700				3375	std				yes										0.914	2.203
5	4grL	3465	yes			3375	std	std			yes		yes								1.171	2.822
6	5grL	3005 (D2)				3375	std			D2	yes			yes							0.864	2.082
7	6grL	3080 (W3)				3401 / 3675	std		W3		yes										1.024	2.468
8	7grL	2915	yes			3375	std	std			yes								yes		0.986	2.376
9	8grL/R	1480	yes			3375	std				yes										0.502	1.210
10	9grL	1690	yes			3375	std				yes										0.573	1.381
11	10grL	1580 (D3)	yes			3375	std			D3	yes				yes						0.448	1.080
12	11grL	4430 (D2)(D2)				3375	std			D2 x 2	yes				yes						1.175	2.832
13	12grL	3285				3375	std				yes		yes		yes						0.858	2.068
14	13grL	3760 (SD)				3375	std			SD	yes		yes								0.783	1.887
15	14grL/R	3915				3375	std				yes										1.324	3.191
16	15grL	3740				3375	std				yes										1.265	3.049
17	16grL	3690 (W1)(W2)				3375	std		W1 & W2		yes										1.138	2.743
18	17grL/R	3010				2940	std				yes										0.574	1.383
19	18grL	5490 (D1) (W1) (W1)				3375	std		W1 x 2	D1	yes				yes						1.369	3.299
20	19grL	2195 (W2)				3375	std		W2		yes								yes		0.628	1.513
																					18.925	45.610

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ISSAN : HC
 DATE : OCT 2018
 CHECKED : MENC
 EXAM'D : MENC
 APP'D : MENC
 SCALE : NTS
 CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

DRAWING TITLE
 SINGLE STOREY SEMI-D (LEFT UNIT)
 GROUND LEVEL
 WALL PANELS TABLE
 DRAWING NO : HC/ /
 SYSTEM : -
 REV : -

ROOF LEVEL (ROOF FALL 5')

	POSITION	PANEL NAME	Chequered Plate	Beam Opening	Refer site PS mould	Panel Height	P & F	Middle P & F	Window	Door	Starter Bar		Power pt.		Wall Light point	13A Switch 1475(h)	TV Outlet 325(h)	Tel Outlet 325(h)	DB/Meter 1675(h)	Cold Water Pipe	Volume (m³)	Weight (Tonnes)
											Side	Top	275(h)	1475(h)								
1	1rfL/R	1955				1699 / 1874	std				yes										0.349	0.841
2	2rfL/R	2700				1750 / 1991	std				yes										0.505	1.217
3	3rfL	3465 (W6)				1350	std		W6		yes										0.323	0.778
4	4rfL	4430 (W8)				1367 / 1759	std		W8		yes										0.680	1.639
5	5rfL	2915				1608	std				yes										0.469	1.130
6	6rfL/R	1480				2017 / 2151	std				yes										0.309	0.745
7	7rfL	3465				1768	std				yes										0.613	1.477
8	8rfL	4460				1768	std				yes										0.786	1.894
9	9rfL	3460				611 / 918	std				yes										0.292	0.704
10	10rfL	3690				1792 / 2119	std				yes										0.718	1.730
11	11rfL	3740				1786 / 2117	std				yes										0.730	1.759
12	12rfL/R	3915				2117 / 2524	std				yes										0.921	2.220
13	13rfL	8035 (W4)(W5)				2137	std				yes										1.490	3.591
																					8.185	19.725

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ISSAN :	HC
DATE :	OCT 2018
CHECKED :	MENG
EXAM'D :	MENG
APPR'D :	MENG
SCALE :	NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TUTUAN:

DRAWING TITLE
 SINGLE STOREY SEMI-D (LEFT UNIT)
 ROOF LEVEL
 WALL PANELS TABLE

DRAWING NO :	HC/	REV :	-
SYSTEM :	-	REV :	-

HC PRECAST SYSTEM

TITLE : CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 TYPE : RIGHT UNIT
 CONCRETE: G30

GROUND LEVEL

POSITION	PANEL NAME	Chequered Plate	Beam Opening	Refer site PS mould	Panel Height	P & F	Middle P & F	Window	Door	Starter Bar		Power pt.		Wall Light point	13A Switch 1475(h)	TV Outlet 325(h)	Tel Outlet 325(h)	DB/Meter 1675(h)	Cold Water Pipe	Volume (m ³)	Weight (Tonnes)
										Side	Top	275(h)	1475(h)								
1	1grR	7985 (W7)(D2)(W3)	yes		3075 / 3375	std	std	W3 & W7	D2	yes	yes	yes							yes	2.295	5.531
2	2grR	1785 (D3)	yes		3075	std			D3	yes				yes						0.431	1.039
3	4grR	3465	yes		3375	std	std			yes		yes								1.171	2.822
4	5grR	3005 (D2)			3375	std			D2	yes				yes						0.864	2.082
5	6grR	3080 (W3)			3401 / 3675	std		W3		yes										1.024	2.468
6	7grR	2915	yes		3375	std	std			yes								yes		0.986	2.376
7	9grR	1690	yes		3375	std				yes										0.573	1.381
8	10grR	1580 (D3)	yes		3375	std			D3	yes				yes						0.448	1.080
9	11grR	4430 (D2)(D2)			3375	std			D2 x 2	yes				yes						1.175	2.832
10	12grR	3285			3375	std				yes		yes		yes						0.858	2.068
11	13grR	3760 (SD)			3375	std			SD	yes		yes								0.783	1.887
12	15grR	3740			3375	std				yes										1.285	3.049
13	16grR	3690 (W1)(W2)			3375	std		W1 & W2		yes										1.138	2.743
14	18grR	5490 (D1)(W1)(W1)			3375	std		W1 x 2	D1	yes				yes						1.369	3.299
15	19grR	2195 (W2)			3375	std		W2		yes								yes		0.628	1.513
																				<u>15.008</u>	<u>36.170</u>



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SSRN : **HC**
 DATE : **OCT 2018**
 CHECKED : **MENG**
 DRAWN : **MENG**
 APP'D : **MENG**
 SCALE : **NTS**

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

DRAWING TITLE
 SINGLE STOREY SEMI-D (RIGHT UNIT)
 GROUND LEVEL
 WALL PANELS TABLE
 DRAWING NO : **HC/** **REV** : **-**
 SYSTEM : **-** **REV** : **-**

ROOF LEVEL (ROOF FALL 5')

POSITION	PANEL NAME	Chequered Plate	Beam Opening	Refer site PS mould	Panel Height	P & F	Middle P & F	Window	Door	Starter Bar		Power pt.		Wall Light point	13A Switch 1475(h)	TV Outlet 325(h)	Tel Outlet 325(h)	DB/Meter 1675(h)	Cold Water Pipe	Volume (m³)	Weight (Tonnes)
										Side	Top	275(h)	1475(h)								
1	3rR	3465 (W6)			1350	std		W6		yes										0.323	0.778
2	4rR	4430 (W8)			1367 / 1759	std		W8		yes										0.680	1.639
3	5rR	2915			1608	std				yes										0.469	1.130
4	7rR	3465			1768	std				yes										0.613	1.477
5	8rR	4460			1768	std				yes										0.786	1.894
6	9rR	3460			611 / 918	std				yes										0.292	0.704
7	10rR	3690			1792 / 2119	std				yes										0.718	1.730
8	11rR	3740			1786 / 2117	std				yes										0.730	1.759
9	13rR	8035 (W4)(W5)			2137	std				yes										1.490	3.591
																				<u>6.101</u>	<u>14.702</u>

SYSTEM PROVIDER

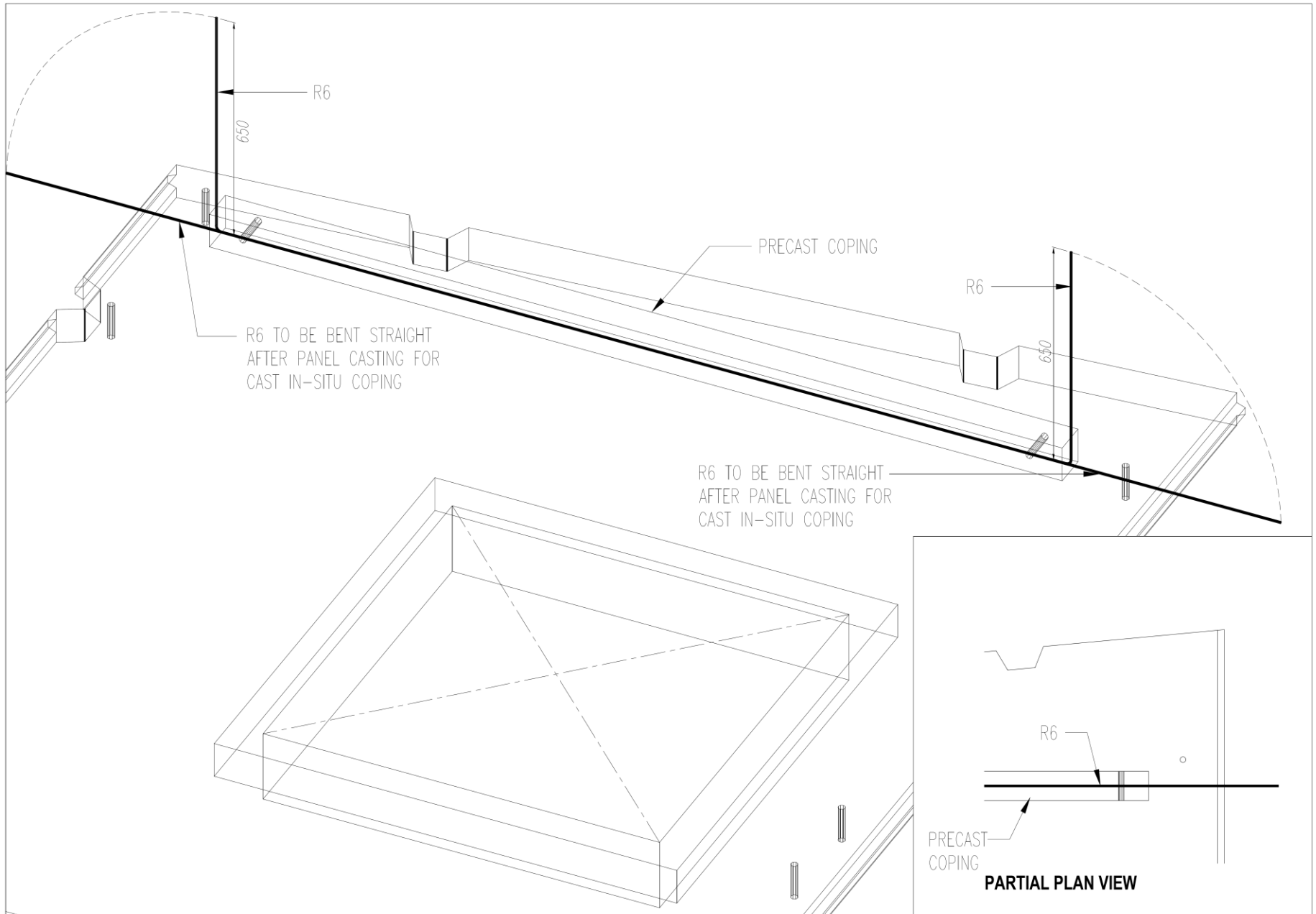
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 41200 Klang, Selangor D.E. Tel:03-3323 5999 Fax:03-3323 8993
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ISSAN :	HC
DATE :	OCT 2018
CHECKED :	MENG
DRAWN :	MENG
APPRO :	MENG
SCALE :	NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

DRAWING TITLE	
SINGLE STOREY SEMI-D (RIGHT UNIT) ROOF LEVEL WALL PANELS TABLE	
DRAWING NO :	REV :
HC/	-
SYSTEM :	REV :
-	-



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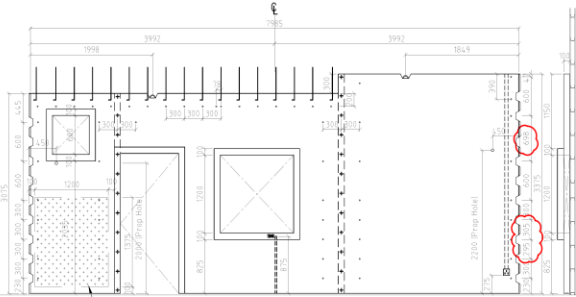
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ISSAN :	HC
DATE :	DEC 2018
CHECKED :	MENG
EXAPD :	3093
APPRD :	MENG
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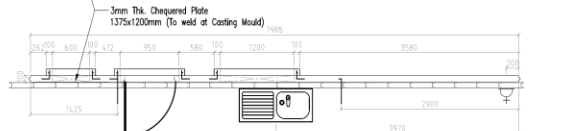
CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA
 (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH
 CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH,
 PAHANG.
 UNTUK TETUAN:

DRAWING TITLE :	
SINGLE STOREY SEMI-D (LEFT & RIGHT UNIT) TYPICAL PRECAST COPING DETAIL	
DRAWING NO :	HC/
SYSTEM :	-
REV :	-
REV :	-

TOP VIEW



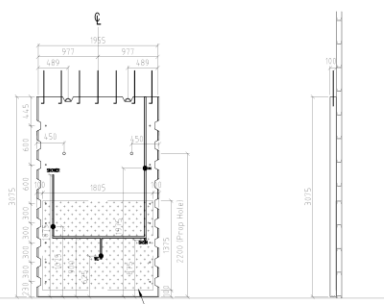
FRONT VIEW



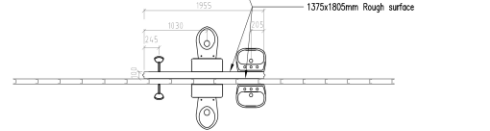
1grL	7985 (W7)(D2)(W3)	HP/LC Channel LC(Std 1)	Thickness 100	Width Corner 2200	Prep hole Type 7985	HP	TF	SP	M
				(std)		~		(std)	(std)

2grL	1785 (D3)	HP/LC Channel LC(Std 1)	Thickness 100	Width Corner 2200	Prep hole Type 7985	HP	TF	SP	M
				(std)		~		(std)	(std)

TOP VIEW

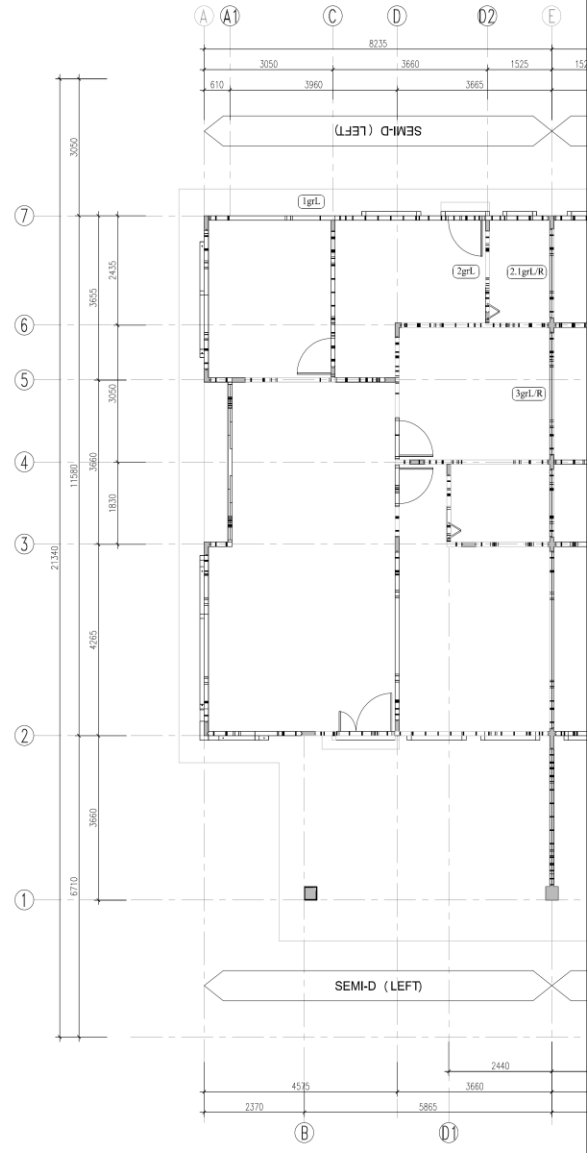


FRONT VIEW



2.1grL/R	1955	HP/LC Channel LC(Std 1)	Thickness 100	Width Corner 2200	Prep hole Type 7985	HP	TF	SP	M
				(std)		~		(std)	(std)

3grL/R	2700	HP/LC Channel LC(Std 1)	Thickness 100	Width Corner 2200	Prep hole Type 7985	HP	TF	SP	M
				(std)		~		(std)	(std)



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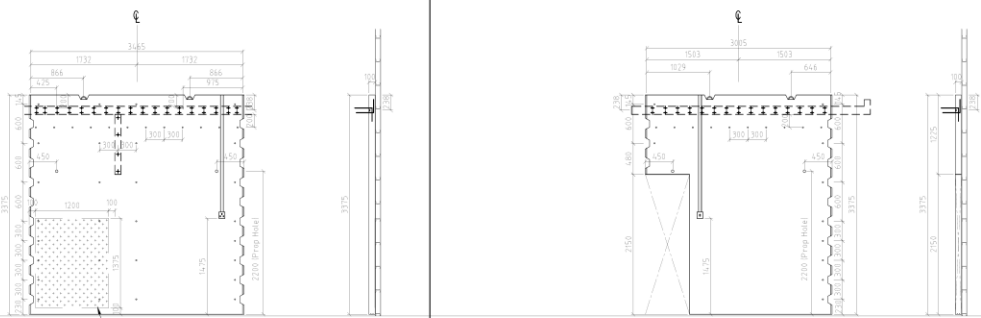
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 DATE: **APR 2018**
 CHECKED BY: **MENG**
 DRAWN BY: **MENG**
 APPROVED BY: **MENG**
 SCALE: **NTS**

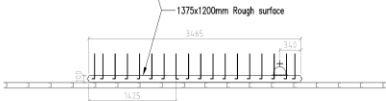
UNIKUT TETUAN:
 CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.

DRAWING TITLE
SINGLE STOREY SEMI-D (LEFT UNIT) GROUND LEVEL ARCHITECTURAL PANEL LIST
 DRAWING NO: **HC/** REV: **-**
 SYSTEM: **-** REV: **-**

TOP VIEW



FRONT VIEW



4grL 3465

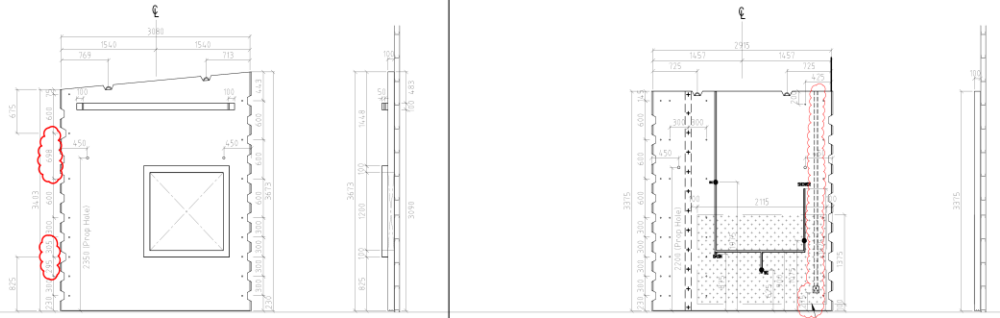
SP	THICKNESS	FINISH	PROF. HGT	REF.	TF	BP	M
LC (Std)	100	~	2200 (std)	~	~	(std)	(std)

5grL 3005 (D2)

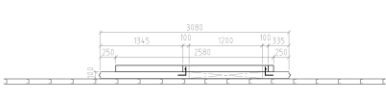
SP	THICKNESS	FINISH	PROF. HGT	REF.	TF	BP	M
LC (Std)	100	~	2200 (std)	~	~	(std)	(std)

TOP VIEW

FOR SLANTED WALL PANEL, DIMENSION IS TAKEN FROM THIS POINT



FRONT VIEW

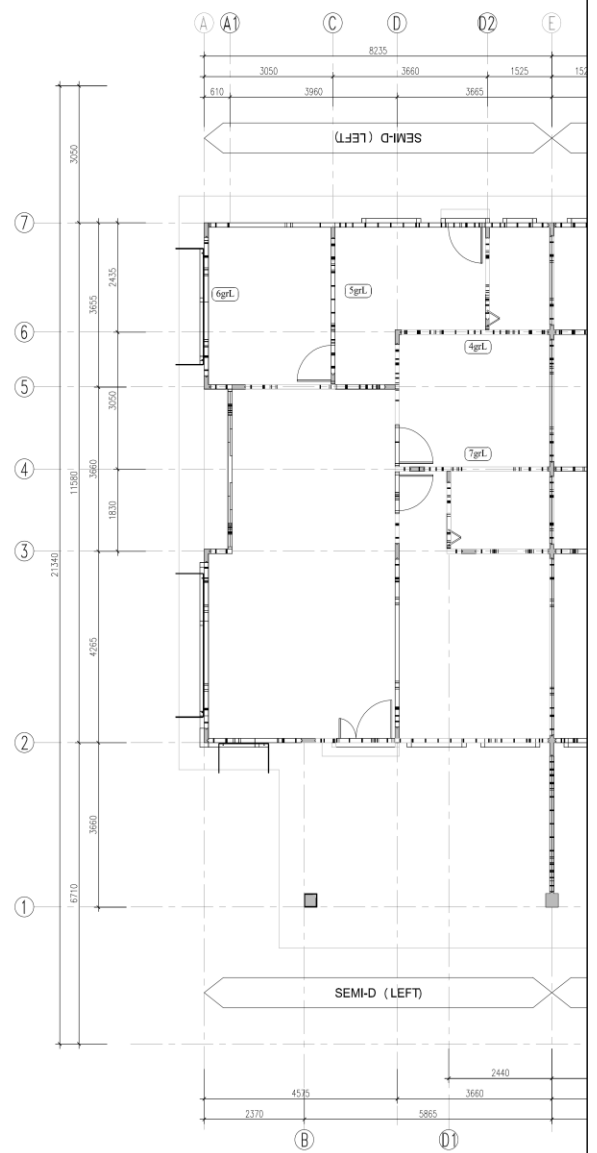


6grL 3080 (W3)

SP	THICKNESS	FINISH	PROF. HGT	REF.	TF	BP	M
LC (Std)	100	1	2350 (std)	~	~	(std)	(std)

7grL 2915

SP	THICKNESS	FINISH	PROF. HGT	REF.	TF	BP	M
LC (Std)	100	~	2200 (std)	~	~	(std)	(std)



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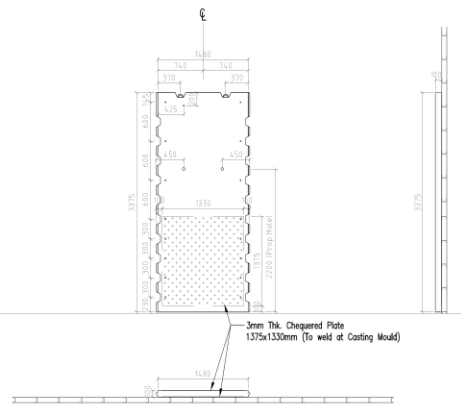
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ISSUED :	HC
DATE :	APR 2018
CHECKED :	MENG
EXAM'D :	MENG
APPRO'D :	MENG
SCALE :	NTS

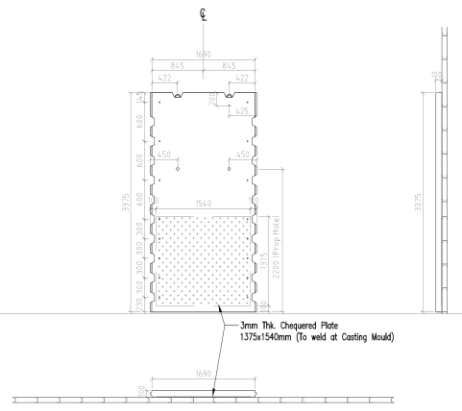
CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAN DI PAMAH KASIH, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

DRAWING TITLE	
SINGLE STOREY SEMI-D (LEFT UNIT) GROUND LEVEL ARCHITECTURAL PANEL LIST	
DRAWING NO :	HC/
SYSTEM :	-
REV :	A
REV :	-

TOP VIEW
FRONT VIEW

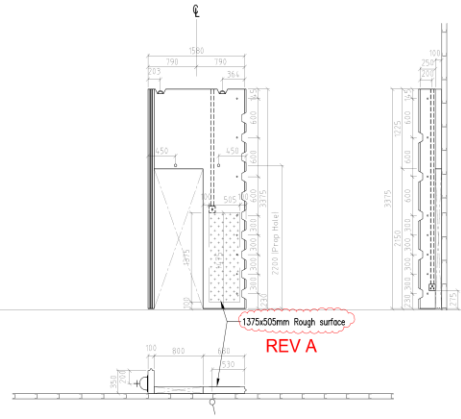


8grL/R	1480	Unit LC(Sh-1)	Thickness 100	Width Control 2200	Pre-pipe Height (std)	PPF ~	TF ~	BP (std)	M (std)
---------------	-------------	------------------	------------------	--------------------------	-----------------------------	----------	---------	-------------	------------

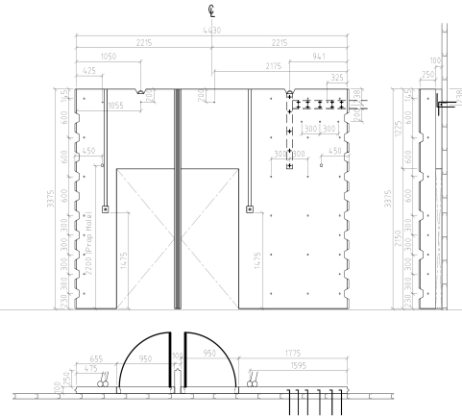


9grL	1690	Unit LC(Sh-1)	Thickness 100	Width Control 2200	Pre-pipe Height (std)	PPF ~	TF ~	BP (std)	M (std)
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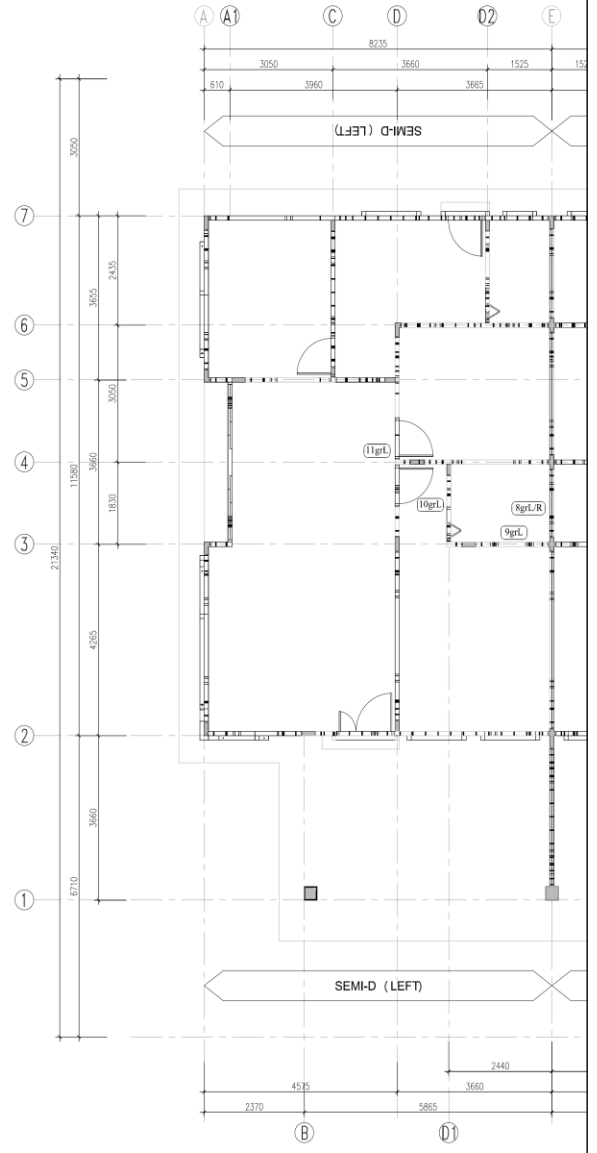
TOP VIEW
FRONT VIEW



10grL	1580 (D3)	Unit LC(Sh-1)	Thickness 100	Width Control 2200	Pre-pipe Height (std)	PPF ~	TF ~	BP (std)	M (std)
--------------	------------------	------------------	------------------	--------------------------	-----------------------------	----------	---------	-------------	------------



11grL	4430 (D2)	Unit LC(Sh-1)	Thickness 100	Width Control 2200	Pre-pipe Height (std)	PPF ~	TF ~	BP (std)	M (std)
--------------	------------------	------------------	------------------	--------------------------	-----------------------------	----------	---------	-------------	------------



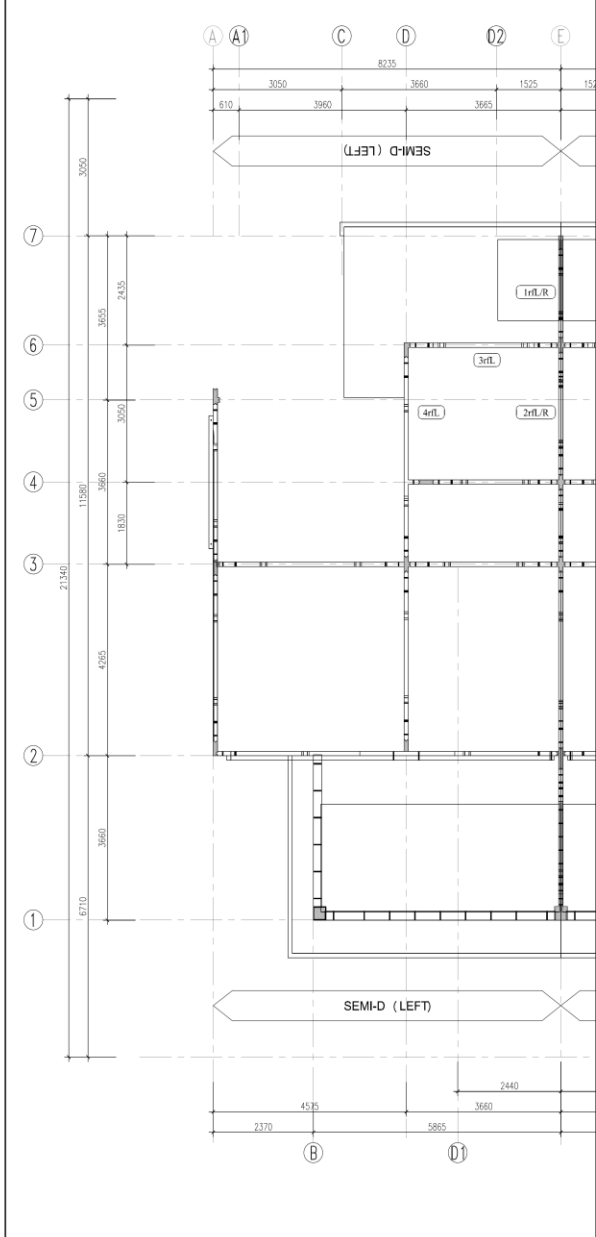
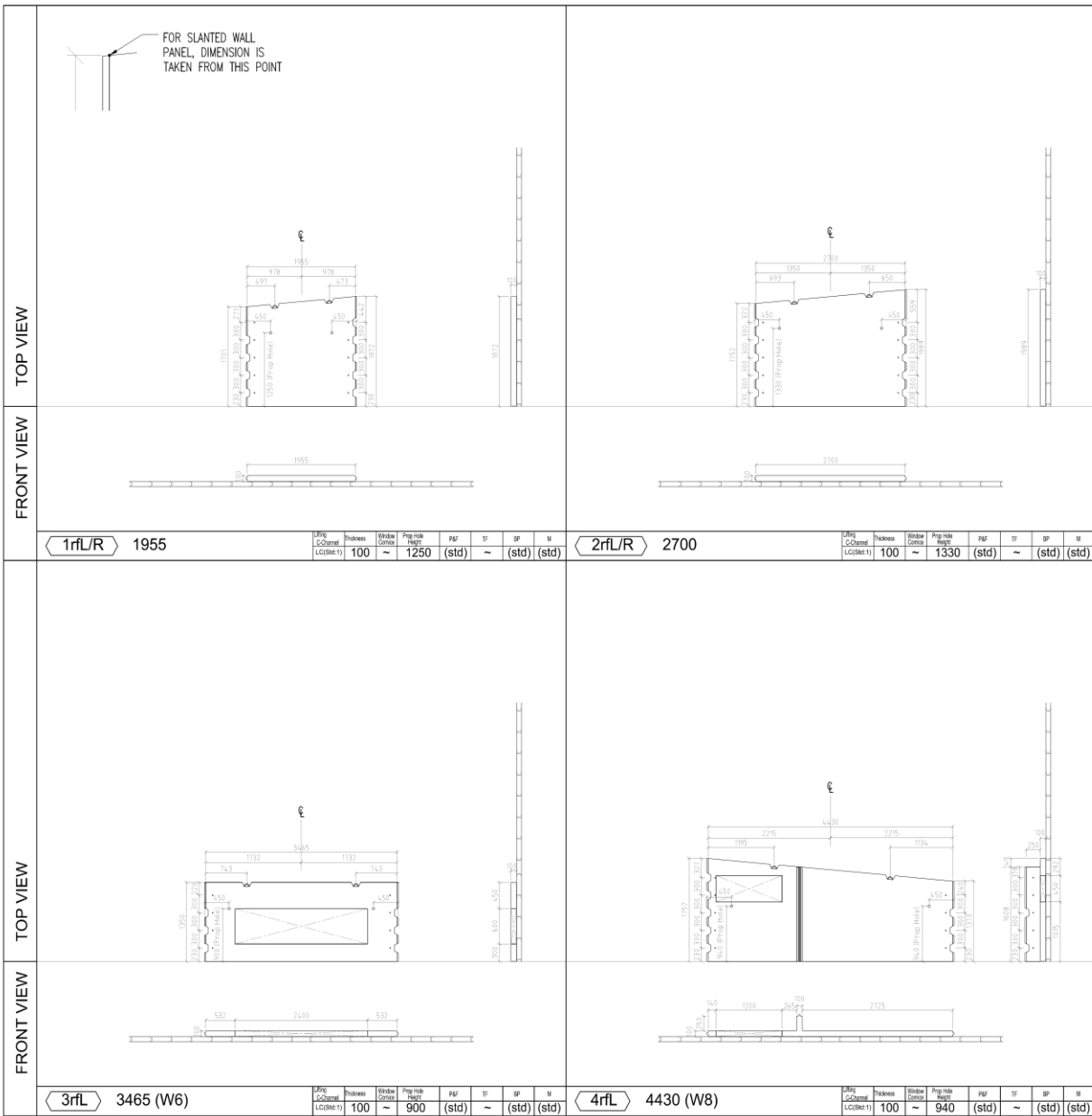
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DRAWN :
APPROV :
SCALE :

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DRAWING TITLE
CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
DI ATAS TANAH KERJAAN DI PAMAH KASIH CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
UNTUK TETUAN:
DRAWING NO :
SCALE :
REV :
REV :



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ISSUED BY: **HC**
 DATE: **APR 2018**
 CHECKED BY: **MENG**
 EXAM'D BY: **MENG**
 APP'D BY: **MENG**
 SCALE: **NTS**

PROJECT: **CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT**
 DI ATAS TANAH KERAJIAN DI PAMAH KASIH, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

DRAWING TITLE: **SINGLE STOREY SEMI-D (LEFT UNIT) ROOF LEVEL ARCHITECTURAL PANEL LIST**
 DRAWING NO.: **HC/** REV: **-**
 SYSTEM: **-** REV: **-**

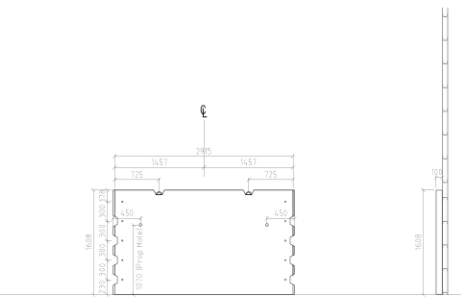
FRONT VIEW

FRONT VIEW

TOP VIEW

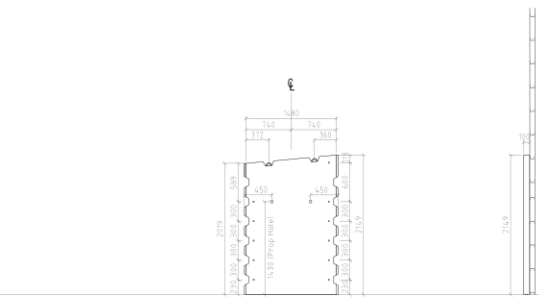
TOP VIEW

FOR SLANTED WALL PANEL, DIMENSION IS TAKEN FROM THIS POINT



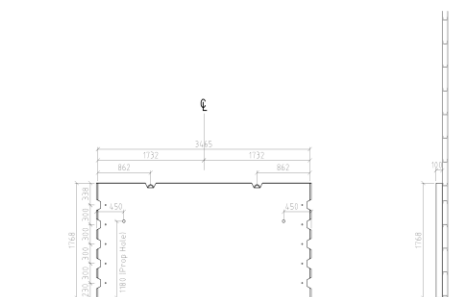
5rL 2915

Part Code (LC08M1)	Thickness	Grout Corner	Pre-cast Panel	PGF	TF	BP	M
100	~	1070	(std)	~	~	(std)	(std)



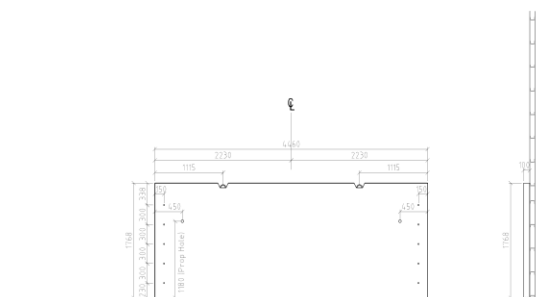
6rL/R 1480

Part Code (LC08M1)	Thickness	Grout Corner	Pre-cast Panel	PGF	TF	BP	M
100	~	1430	(std)	~	~	(std)	(std)



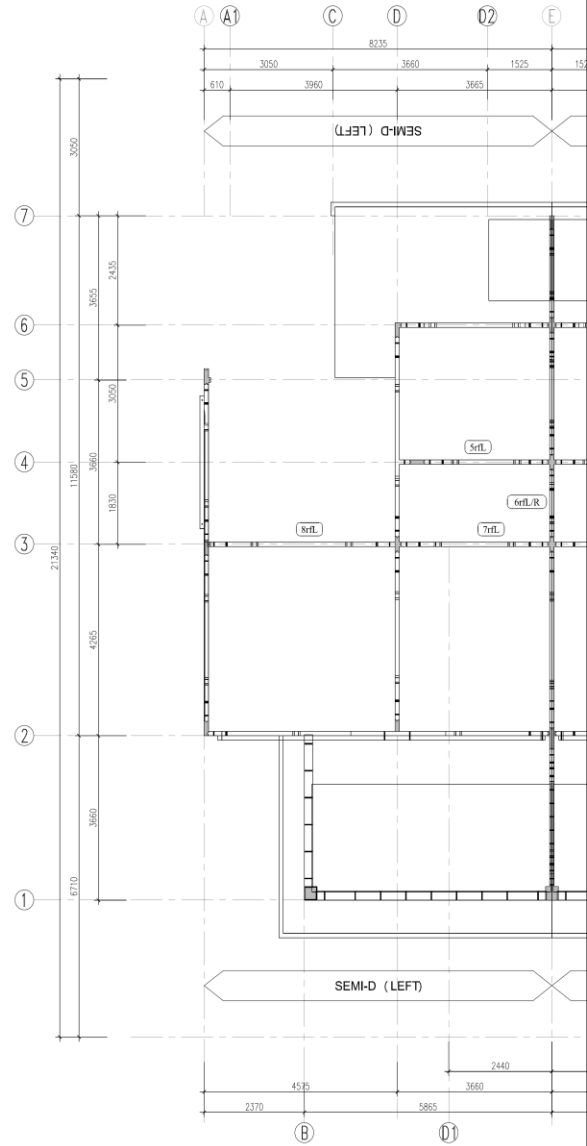
7rL 3465

Part Code (LC08M1)	Thickness	Grout Corner	Pre-cast Panel	PGF	TF	BP	M
100	~	1180	(std)	~	~	(std)	(std)



8rL 4460

Part Code (LC08M1)	Thickness	Grout Corner	Pre-cast Panel	PGF	TF	BP	M
100	~	1180	(std)	~	~	(std)	(std)



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ISSUED :	HC
DATE :	APR 2018
CHECKED :	MENC
EXAM'D :	MENC
APPRO'D :	MENC
SCALE :	NIS

CDANGAN SKIM PERUMAHAN RAKYAT I MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR I TINGKAT
 DI ATAS TANAH KERAJIAN DI PAMAH KASIH, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

DRAWING TITLE	
SINGLE STOREY SEMI-D (LEFT UNIT) ROOF LEVEL ARCHITECTURAL PANEL LIST	
DRAWING NO :	HC/
REV :	-
SYSTEM :	-

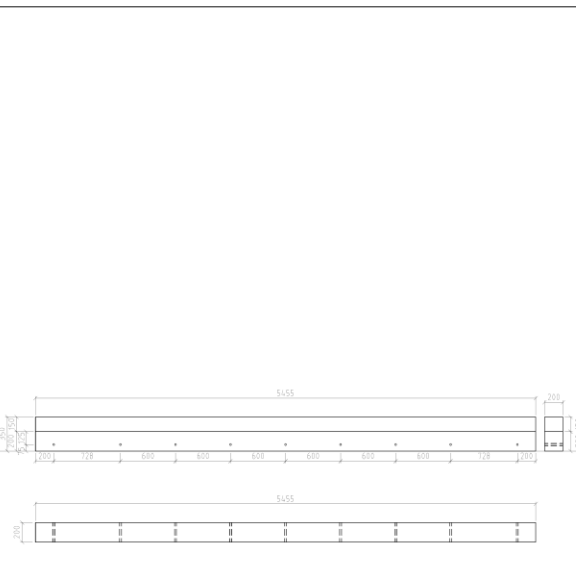
j) Architectural Beam List

FRONT VIEW

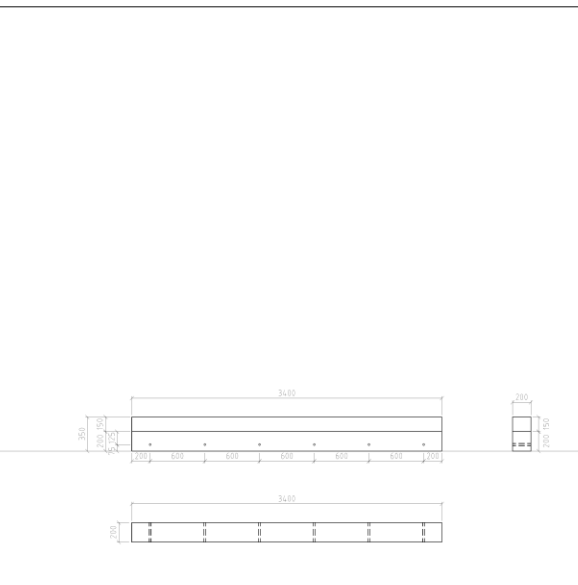
FRONT VIEW

TOP VIEW

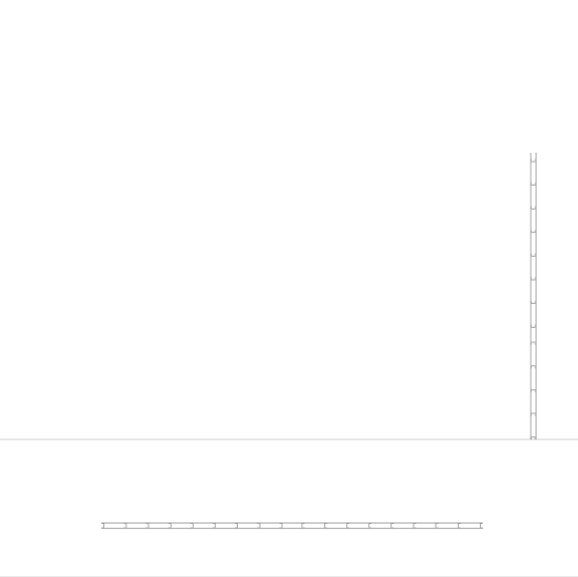
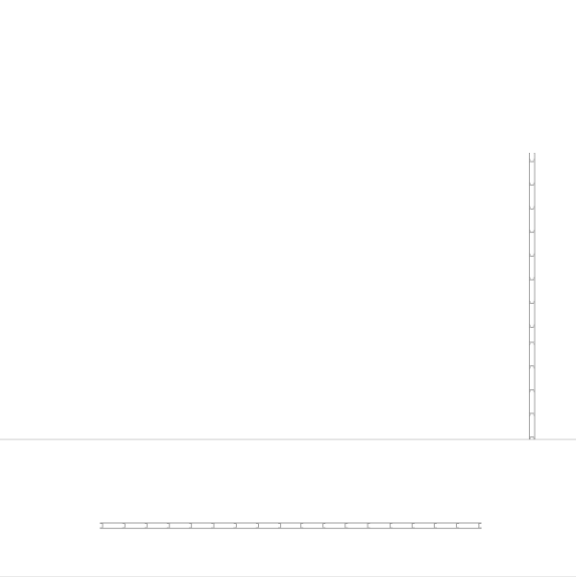
TOP VIEW



PB1 5455

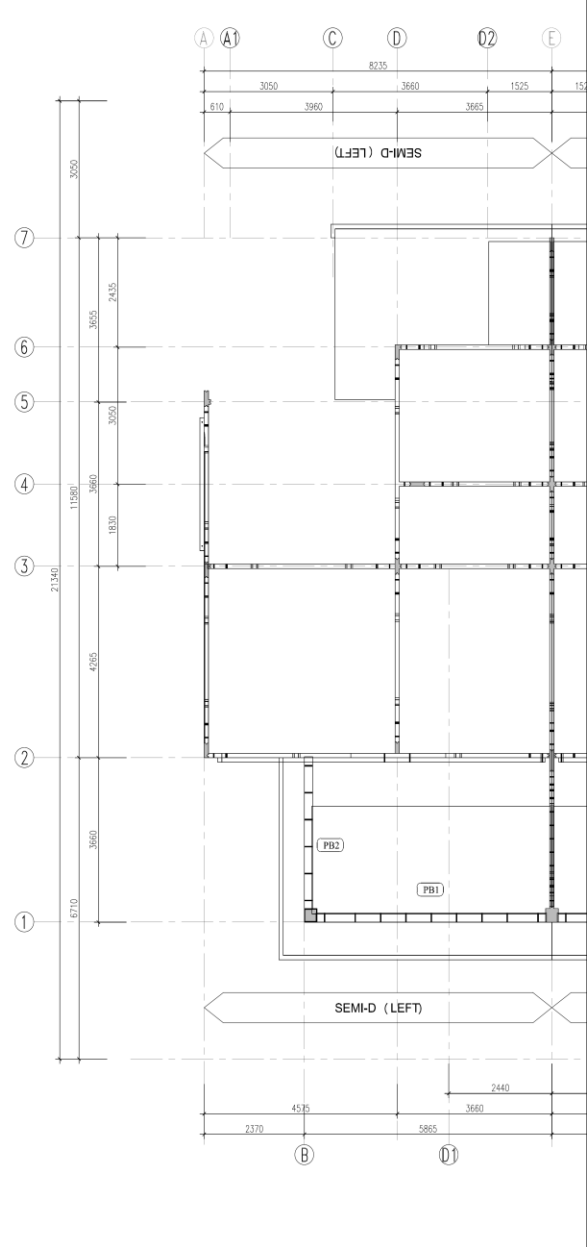


PB2 3400



Proj. Location	Address	Project Name	Proj. No.	Proj. Date	Proj. Status	Proj. Type	Proj. No.	Proj. Date	Proj. Status	Proj. Type

Proj. Location	Address	Project Name	Proj. No.	Proj. Date	Proj. Status	Proj. Type	Proj. No.	Proj. Date	Proj. Status	Proj. Type



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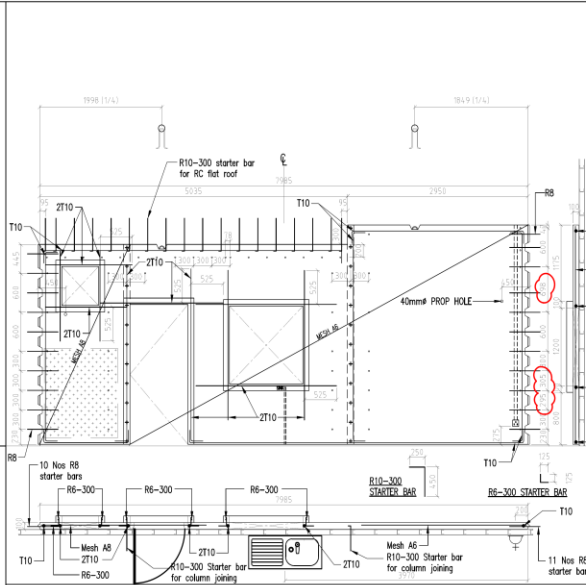
ISSAN :	HC
DATE :	APR 2018
CHECKED :	MENG
EXAM'D :	MENG
APPRO'D :	MENG
SCALE :	NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

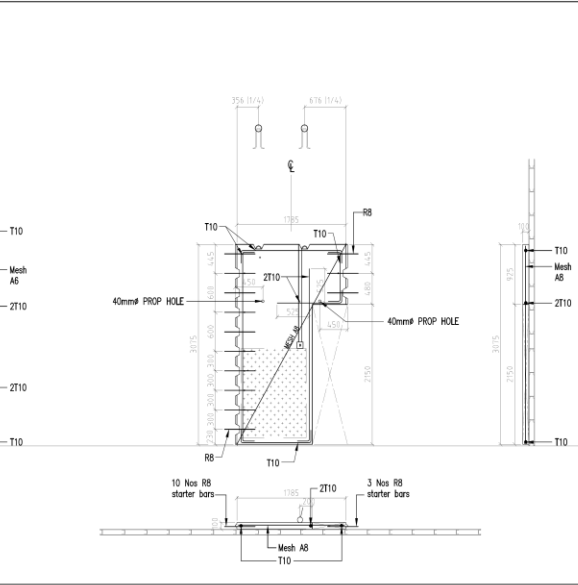
DRAWING TITLE	
SINGLE STOREY SEMI-D (LEFT UNIT) ARCHITECTURAL BEAM LIST	
DRAWING NO :	HC /
SYSTEM :	-
REV :	-

k) Structural Panel List

TOP VIEW
FRONT VIEW

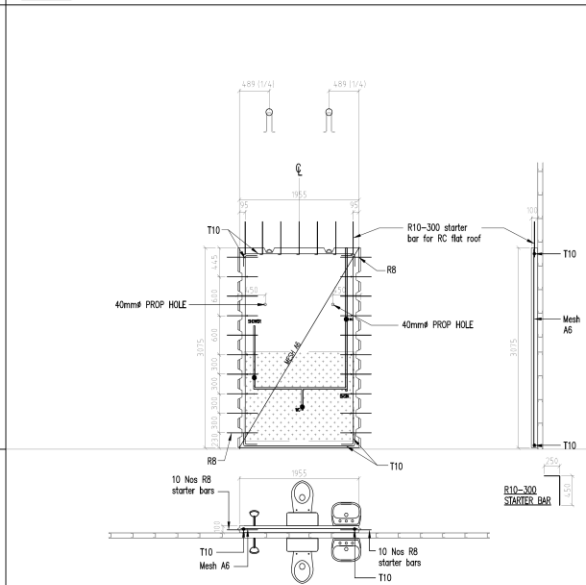


1grL 7985 (W7)(D2)(W3)

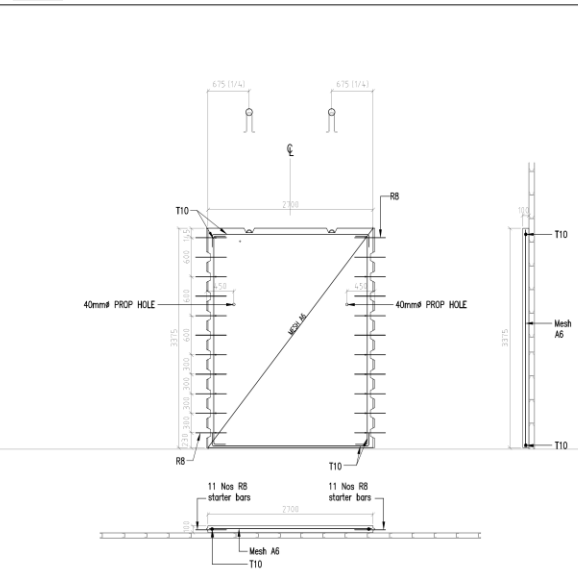


2grL 1785 (D3)

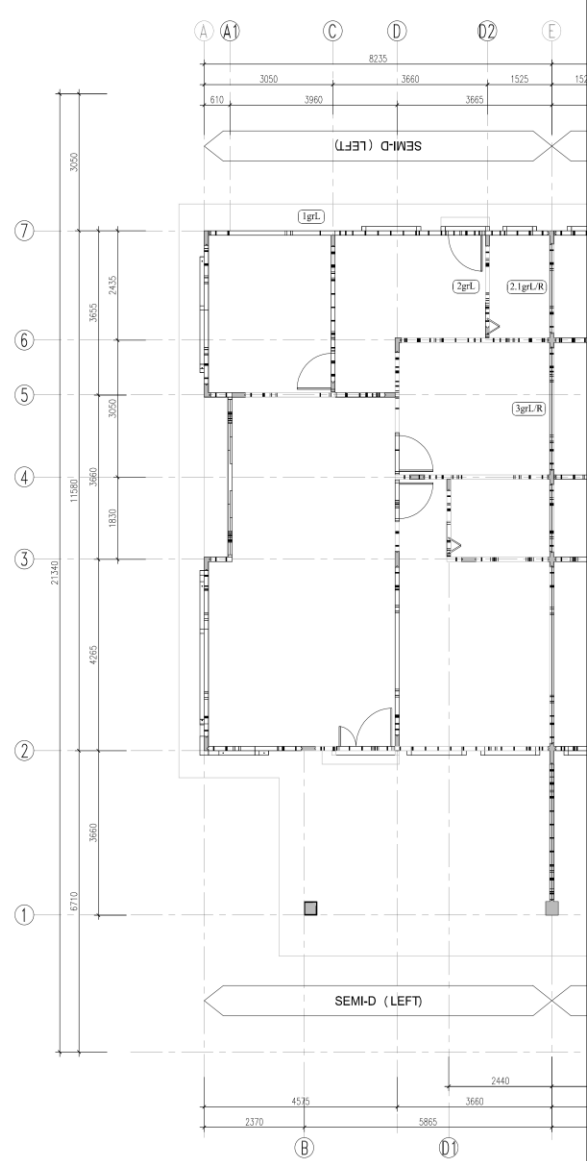
TOP VIEW
FRONT VIEW



2.1grL/R 1955



3grL/R 2700



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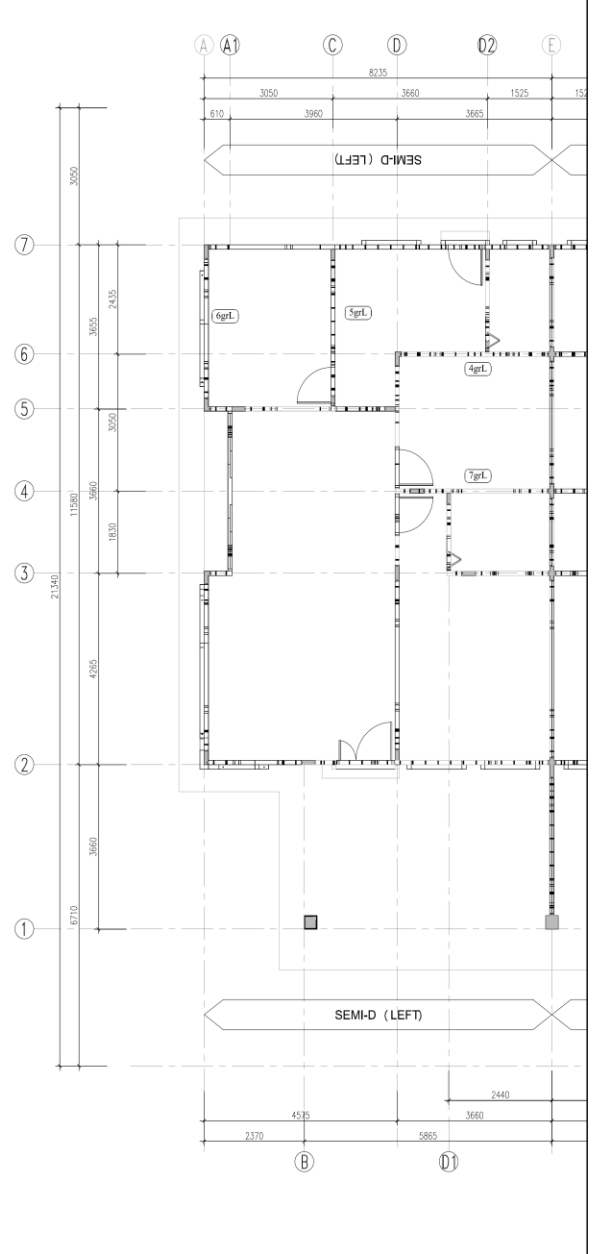
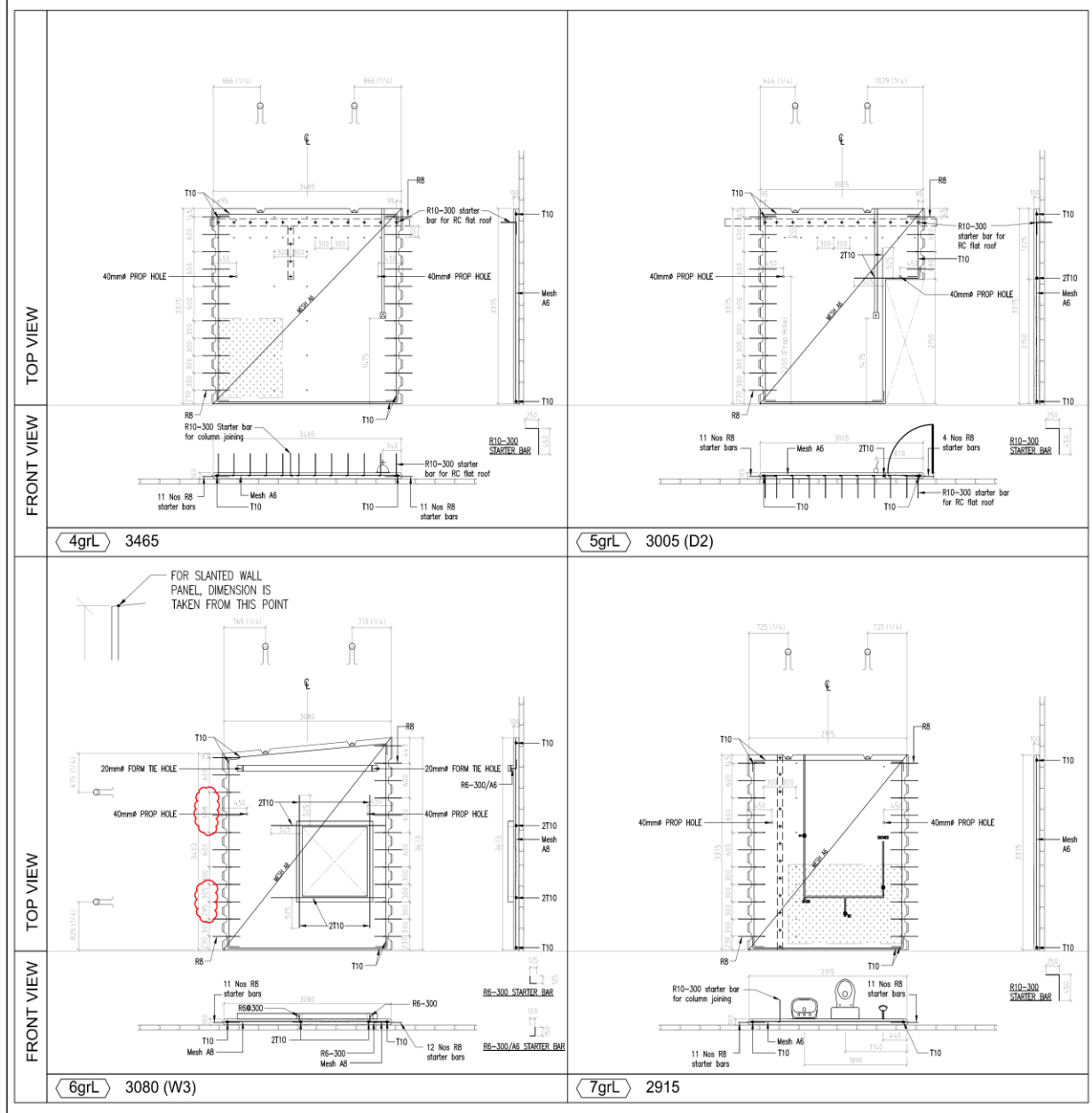
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 Tel:03-3323 7999 Fax:03-3323 8993

ESKRN :	HC
DATE :	APR 2018
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EXAM'D :	MENG
APPR'D :	MENG
SCALE :	NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA
 (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH
 CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH,
 PAHANG.
 UNTUK TETUAN:

DRAWING TITLE
**SINGLE STOREY SEMI-D (LEFT UNIT)
 GROUND LEVEL
 STRUCTURAL PANEL LIST**

DRAWING NO :	HC/	REV :	-
SYSTEM :	-	REV :	-



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ESKRN : KC
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 EXAWD : MENC
 APPRD : MENC
 SCALE : NTS

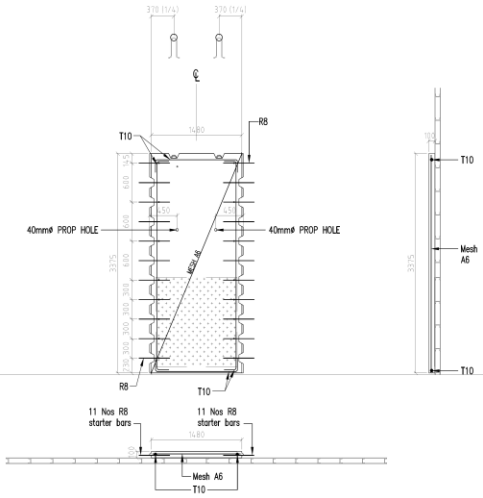
KC
 CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAN DI PAMAH KASIH CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

DRAWING TITLE
SINGLE STOREY SEMI-D (LEFT UNIT) GROUND LEVEL STRUCTURAL PANEL LIST

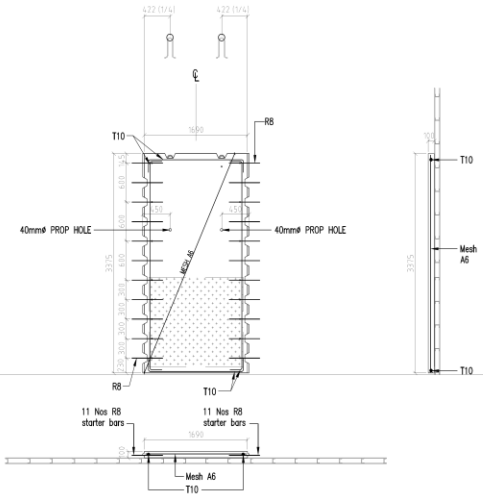
DRAWING NO : HC/ _____ REV : -
 SYSTEM : -

TOP VIEW

FRONT VIEW



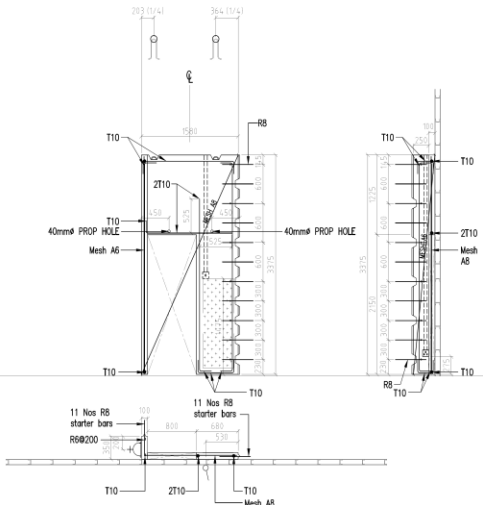
8grL/R 1480



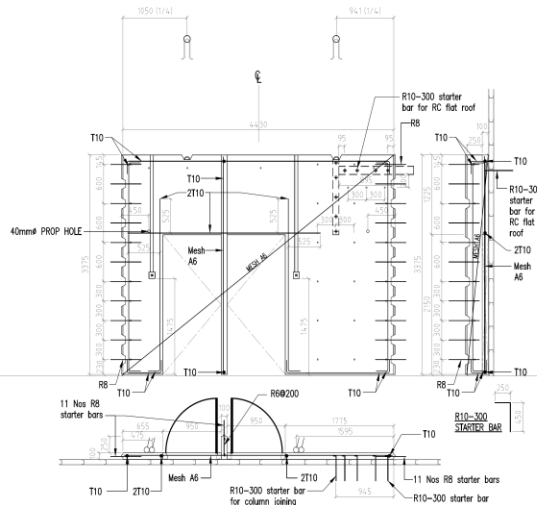
9grL 1690

TOP VIEW

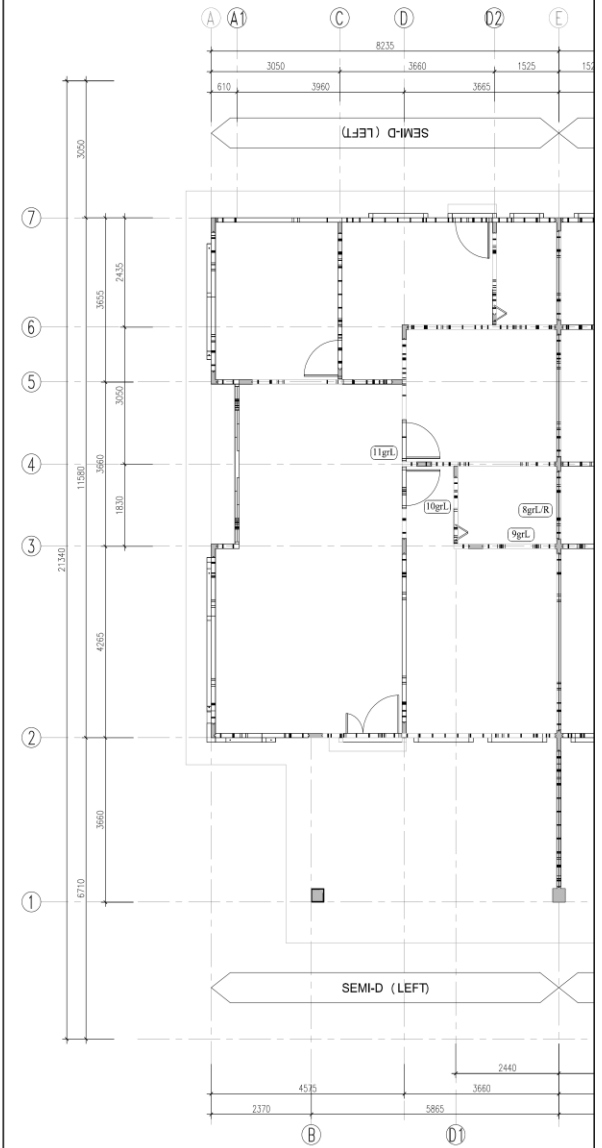
FRONT VIEW



10grL 1580 (D3)



11grL 4430 (D2)



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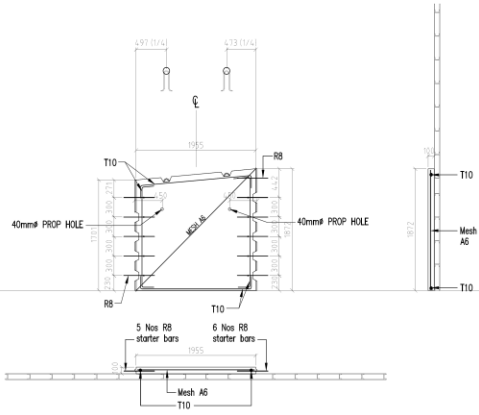
ISSAN : KC
 DATE : APR 2018
 CHECKED : MENC
 EXAM'D : MENC
 APP'D : MENC
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KC
 CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

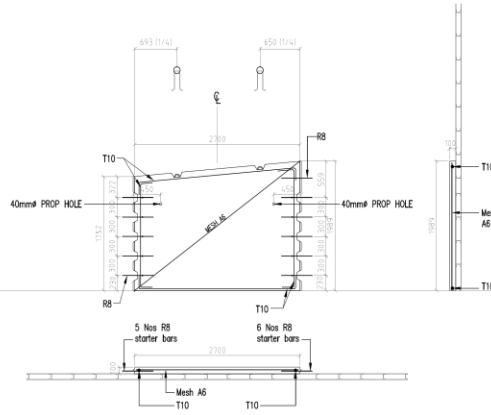
DRAWING TITLE
SINGLE STOREY SEMI-D (LEFT UNIT) GROUND LEVEL STRUCTURAL PANEL LIST
 DRAWING NO : HC/_____
 SYSTEM : _____
 REV : -
 REV : -

TOP VIEW
FRONT VIEW

FOR SLANTED WALL
PANEL, DIMENSION IS
TAKEN FROM THIS POINT

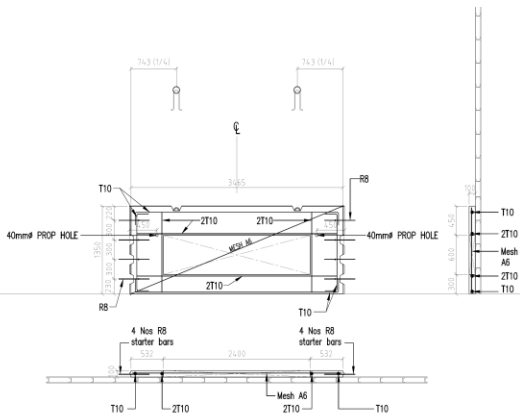


1rfl/R 1955

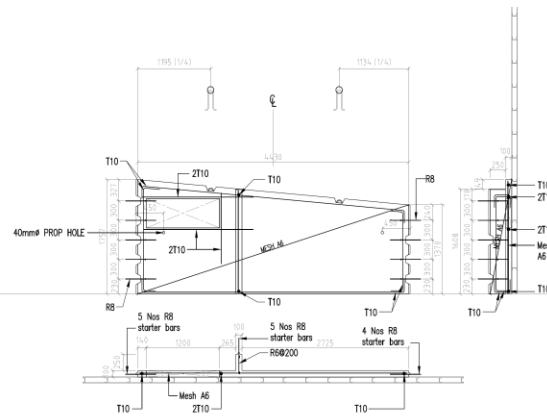


2rfl/R 2700

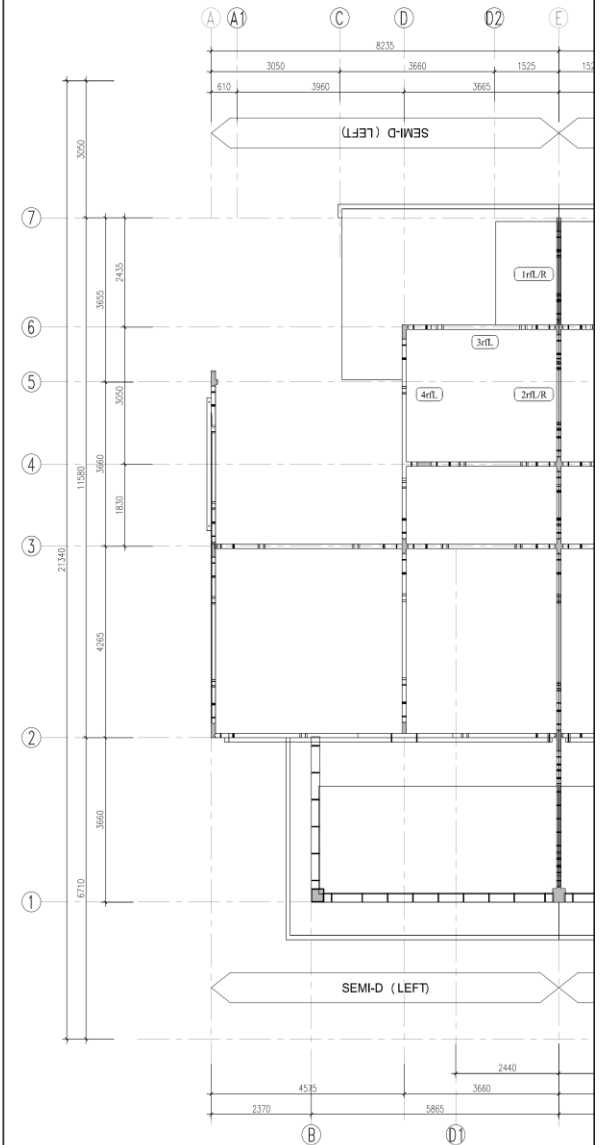
TOP VIEW
FRONT VIEW



3rfl 3465 (W6)



4rfl 4430 (W8)



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ISSAN : KC
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APPROV : MENC
SCALE : NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA
(PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
DI ATAS TANAH KERAJAAN DI PAMAH KASIH
CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH,
PAHANG.
UNTUK TETUAN:

DRAWING TITLE
SINGLE STOREY SEMI-D (LEFT UNIT)
ROOF LEVEL
STRUCTURAL PANEL LIST
DRAWING NO : HC/_____
SYSTEM : _____
REV : -
REV : -

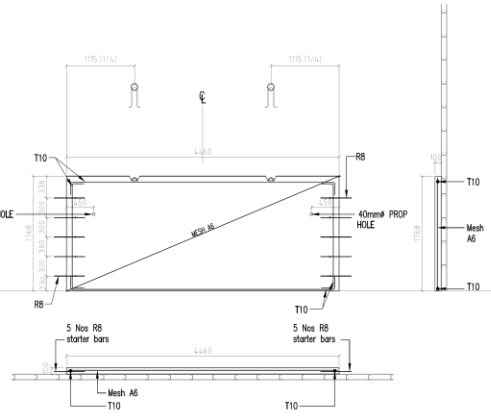
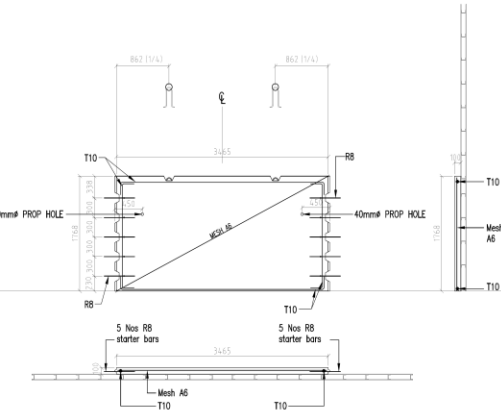
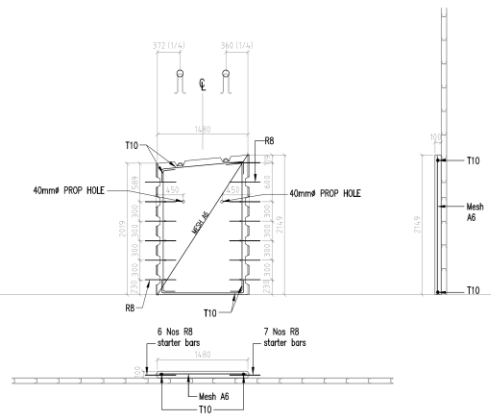
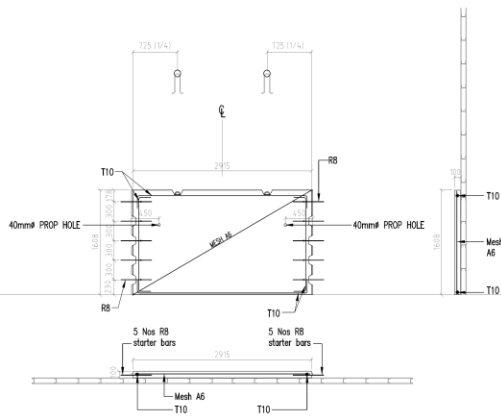
FRONT VIEW

FRONT VIEW

TOP VIEW

TOP VIEW

FOR SLANTED WALL
 PANEL, DIMENSION IS
 TAKEN FROM THIS POINT

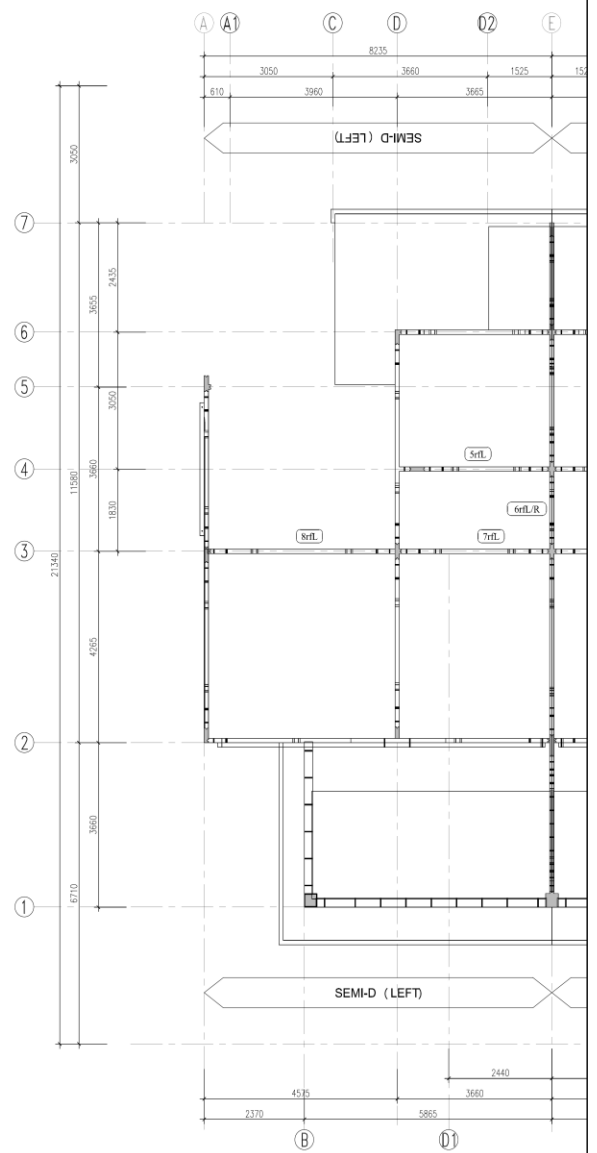


5r/L 2915

6r/L/R 1480

7r/L 3465

8r/L 4460



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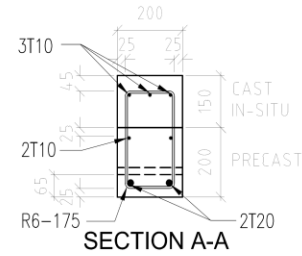
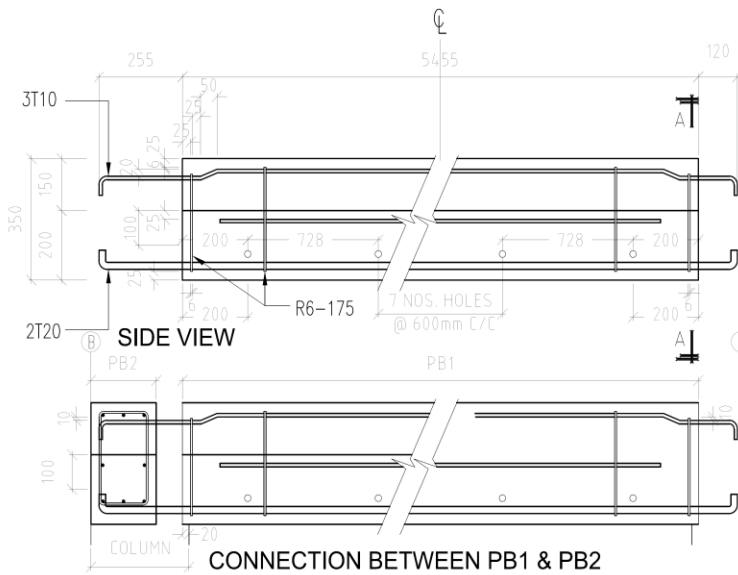
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ESKRN :	HC
DATE :	APR 2018
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APP'D :	MENG
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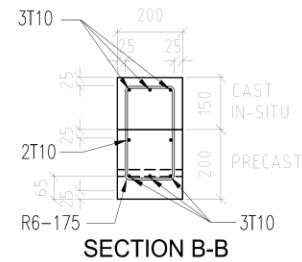
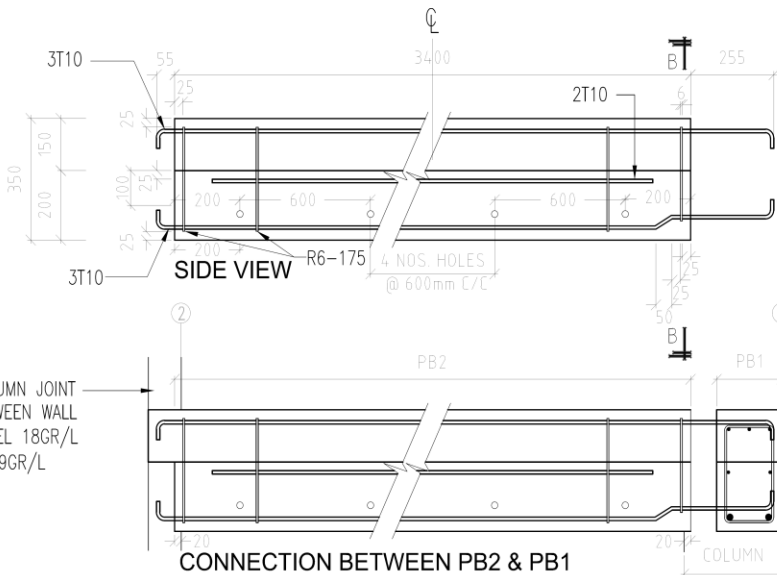
CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

DRAWING TITLE	
SINGLE STOREY SEMI-D (LEFT UNIT) ROOF LEVEL STRUCTURAL PANEL LIST	
DRAWING NO :	HC/
SYSTEM :	-
REV :	-
REV :	-

1) Structural Beam List

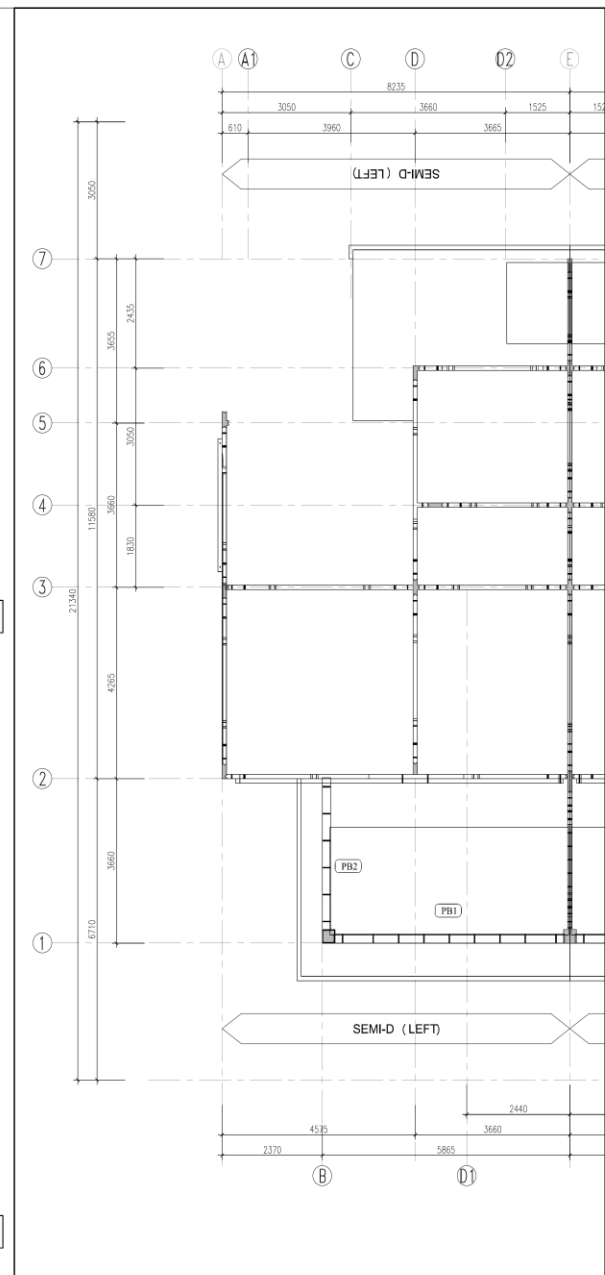


PB1 3380



PB2 5455

COLUMN JOINT BETWEEN WALL PANEL 18GR/L & 19GR/L



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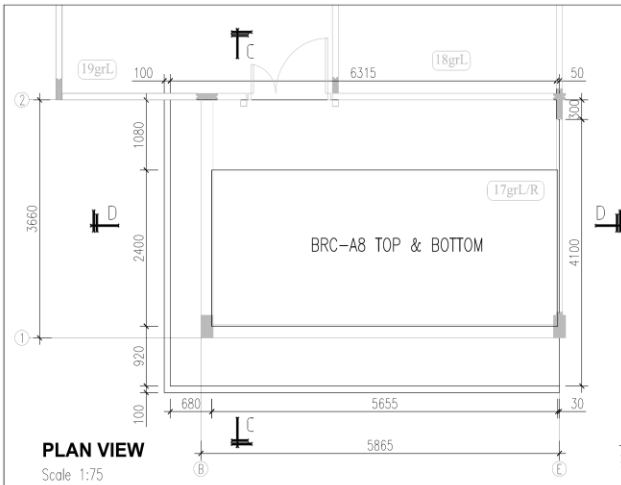
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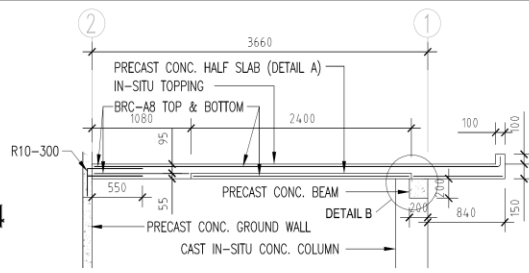
KC
 CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

DRAWING TITLE
SINGLE STOREY SEMI-D (LEFT UNIT) STRUCTURAL BEAM LIST
 DRAWING NO : HC/_____
 SYSTEM : -
 REV : -

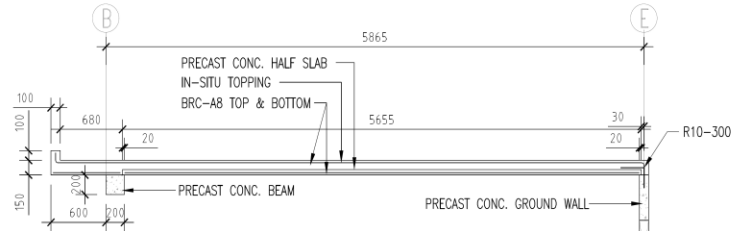
n) Car Porch Slab



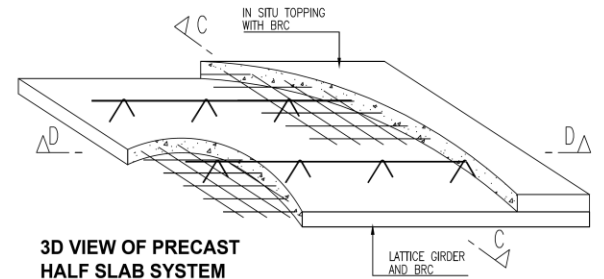
PLAN VIEW
Scale 1:75



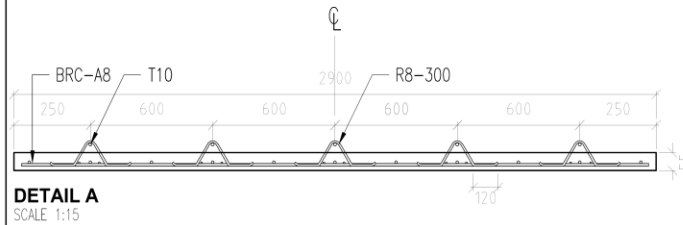
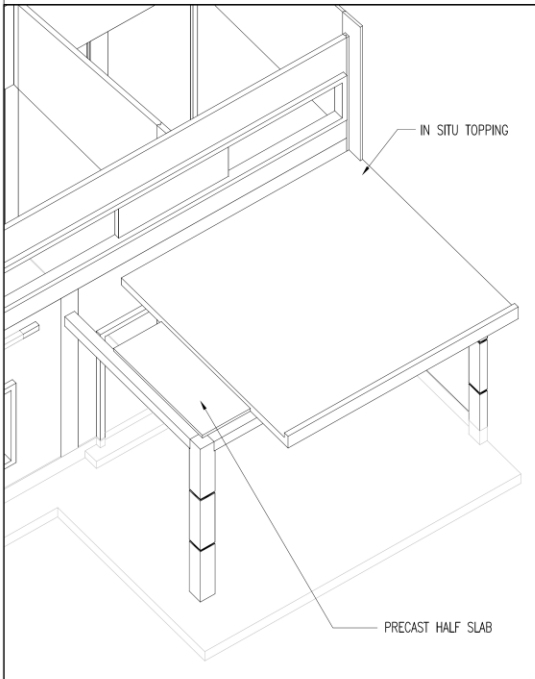
SECTION C-C
Scale 1:50



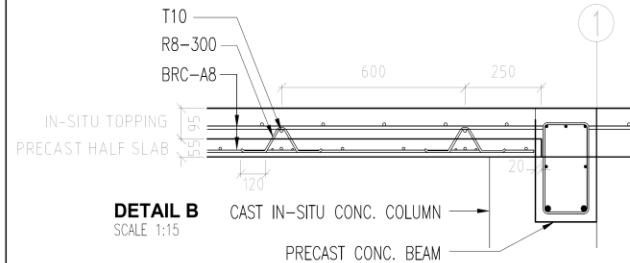
SECTION D-D
Scale 1:50



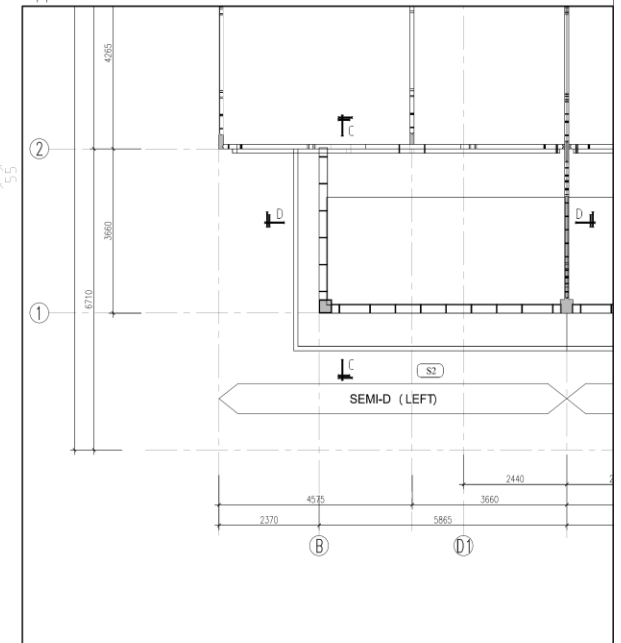
3D VIEW OF PRECAST HALF SLAB SYSTEM
N.T.S.



DETAIL A
SCALE 1:15



DETAIL B
SCALE 1:15



SEMI-D (LEFT)

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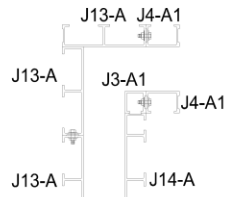
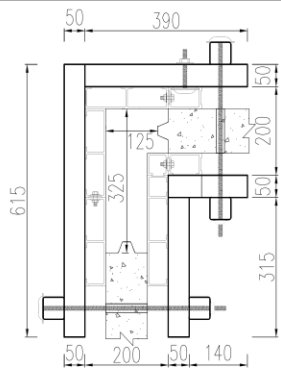
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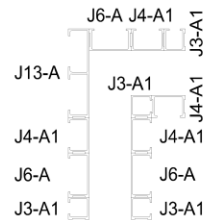
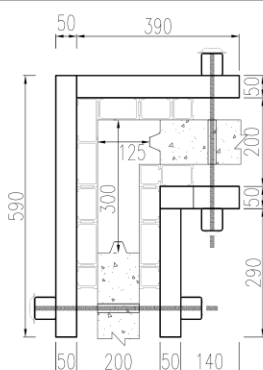
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UNTUK TETUAN:

DRAWING TITLE
SINGLE STOREY SEMI-D (LEFT UNIT) CAR PORCH SLAB
DRAWING NO : HC/
REV : -

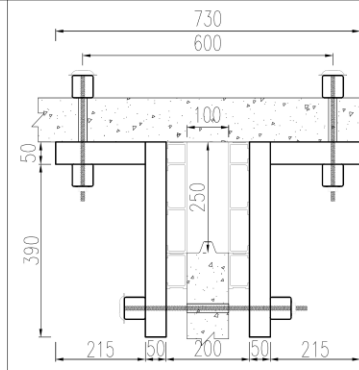
p) Column Mould, Coping Mould
& Slab Mould



MJ1
Column Height: 3400mm x 2nos.
3430mm x 2nos.



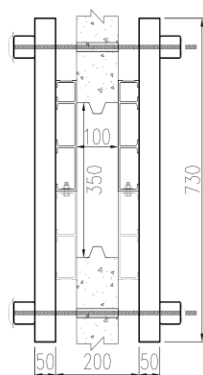
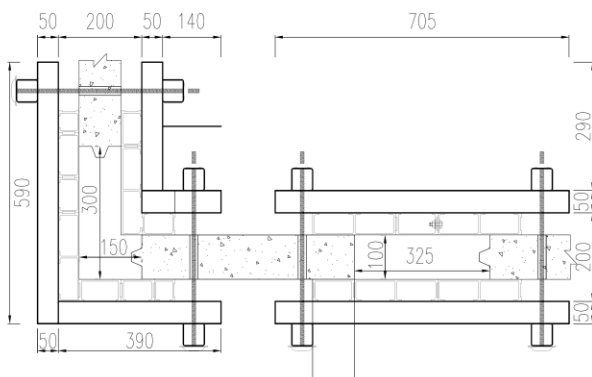
MJ1b
Column Height: 3115mm x 2nos.



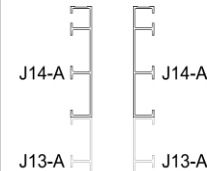
NOTE:
QUANTITY OF COLUMNS INCLUDE
2 UNITS OF SEMI-D
ORIENTATION OF COLUMNS & MOULDS
SHOWN IN THIS DWG ARE FOR LEFT
UNIT. FOR RIGHT UNIT, COLUMNS &
MOULDS ARE TO BE MIRRORED.



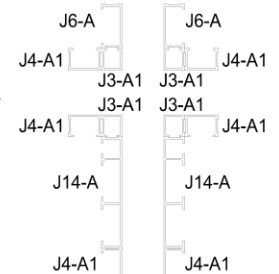
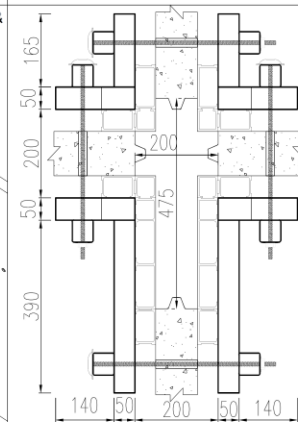
MJ2
Column : 925mm x 2no.
Height 1225mm x 4nos.
3100mm x 2nos.
3400mm x 6nos.



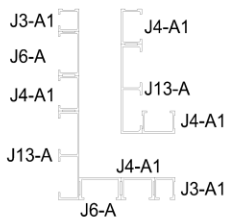
ONLY MJ3 BETWEEN WALL PANEL NO. 7grL & 11grL (LEFT UNIT), 7grR & 11grR (RIGHT UNIT) REQUIRES A 20mmØ HOLE. FOR RIGHT UNIT, LOCATION OF THE HOLE TO BE MIRRORED



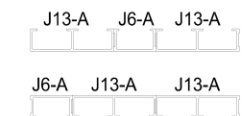
MJ3
Column Height: 3400mm x 8nos.



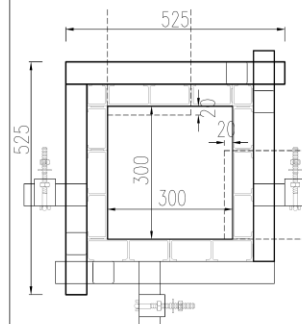
MJ6
Column Height: 3090mm x 1no.



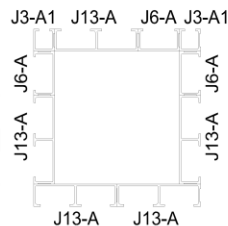
MJ1a
Column Height: 3115mm x 2nos.



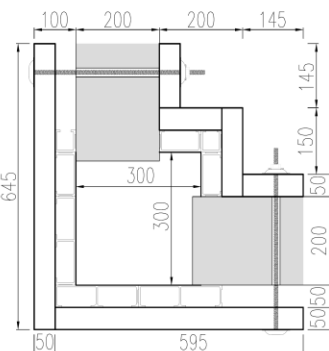
MJ2a
Column Height: 3400mm x 2no.



BOTTOM PART



MJ4
Column Height: 3265mm x 2nos.
Beam Depth: 200mm



TOP PART

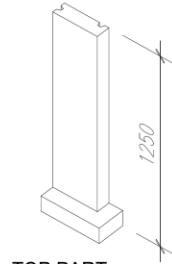
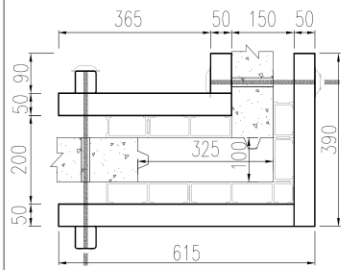
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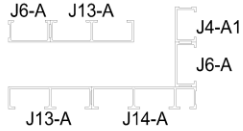
ISSAN : HC
DATE : OCT 2018
CHECKED : MENG
DRAWN : 3983
APPROV : MENG
SCALE : NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
DI ATAS TANAH KERAJAAN DI PAMAH KASIH CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
UNTUK TETUAN:

DRAWING TITLE :
SINGLE STOREY SEMI-D (LEFT & RIGHT UNIT)
GROUND LEVEL COLUMN MOULD
DRAWING NO : HC/ REV :
SYSTEM : - REV :

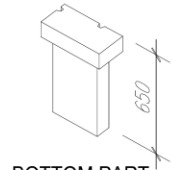


TOP PART

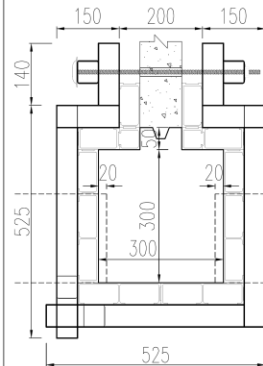


MJ2a

Column Height: Refer 3D beside x 2no.



BOTTOM PART

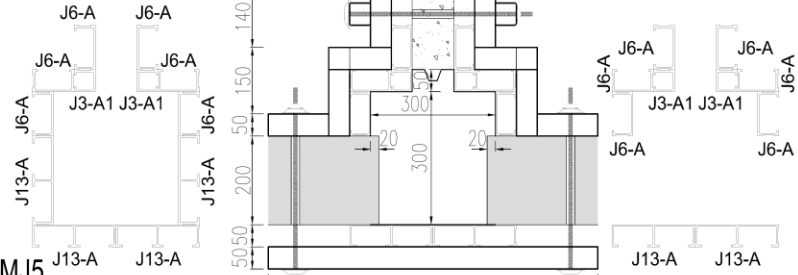


BOTTOM PART

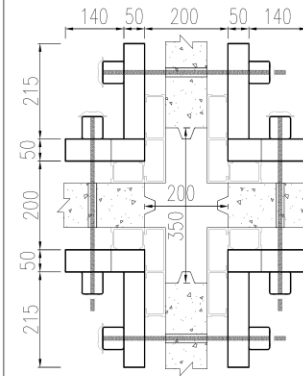
MJ5

Column Height: 2965mm x 1no.

Beam Depth: 200mm

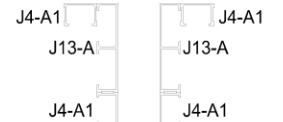
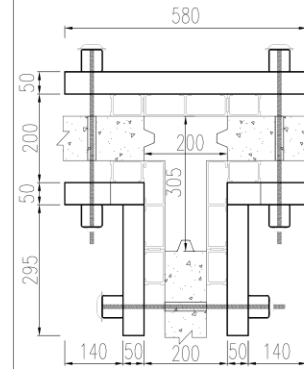
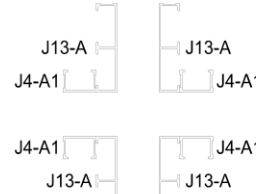


TOP PART



MJ6a

Column : 3100mm x 1no.
Height 3400mm x 2nos.

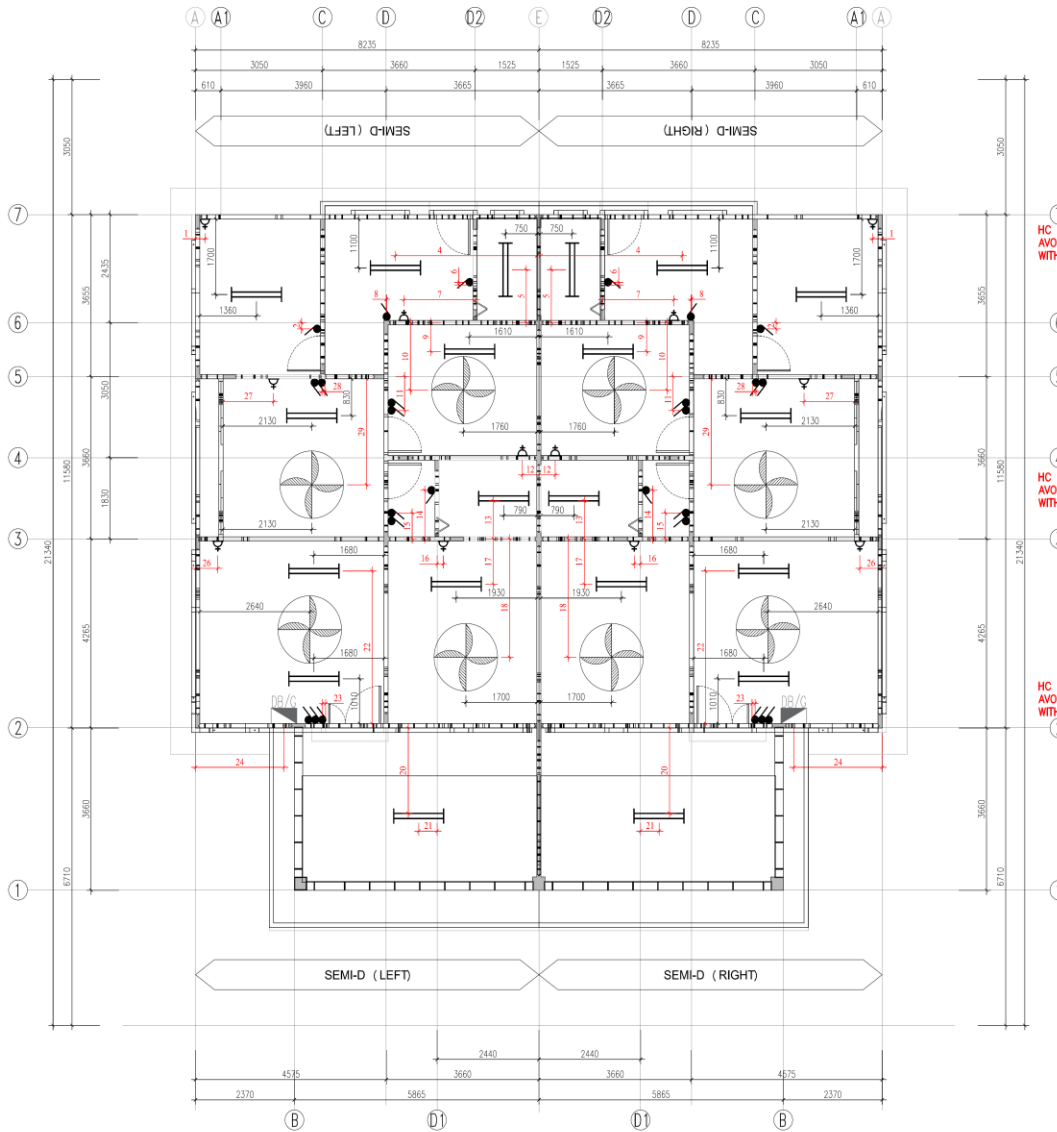


MJ7

Column Height: 3100mm x 1no.

NOTE:
QUANTITY OF COLUMNS INCLUDE 2 UNITS OF SEMI-D
ORIENTATION OF COLUMNS & MOULDS SHOWN IN THIS DWG ARE FOR LEFT UNIT. FOR RIGHT UNIT, COLUMNS & MOULDS ARE TO BE MIRRORED.

q) M&E Shop Drawing



**POSITION OF ELECTRICAL POINTS
(FROM STRUCTURAL LEVEL)**

	Distance of Point (mm)	Height of Point (mm)	Confirmation by M&E Consultant
1	350	300	
2	50	1500	
3	Omitted		
4	3500	CL	
5	1300	CL	
6	200	1500	
7	1700	1500	
8	0	1500	
9	600	CL	
10	1550	CL	
11	650	1500	
12	350	300	
13	900	CL	
14	1000	1500	
15	650	1500	
16	100	300	
17	1000	CL	
18	2600	CL	
19	Omitted		
20	2200	CL	
21	800	CL	
22	3700	CL	
23	150	1500	
24	2100	1700	
25	Omitted		
26	350	300	
27	1300	300	
28	200	1500	
29	2500	CL	

NOTE:
1. CL - Ceiling level

HC ALTERED TO AVOID CLASHING WITH FORM TIE HOLE

HC ALTERED TO AVOID CLASHING WITH PROP HOLE

HC ALTERED TO AVOID CLASHING WITH PROP HOLE

- Notes:
- 1) Distance of Point has been scaled from M&E Consultant drawing.
 - 2) Height of Point from schedule provided by M&E Consultant drawing.
 - 3) M&E Consultant to fill in dimension not stated (2mm)

Confirmed by M&E Consultant
Signature :
Name :
Date :

NOTE:
DIMENSIONS SHOWN ARE PROVIDED BY M&E CONSULTANT, EXCEPT THOSE INDICATED.

SYSTEM PROVIDER
HC PRECAST SYSTEM SDN. BHD. (586697-M)
No.23B, Jalan Seri Sarawak 20B/KSZ, Taman Seri Andalas,
41200 Klang, Selangor D.E. Tel:03-3323 5999 Fax:03-3323 8993
e-mail:enquiry@hccprecast.com.my, Http://www.hccprecast.com.my

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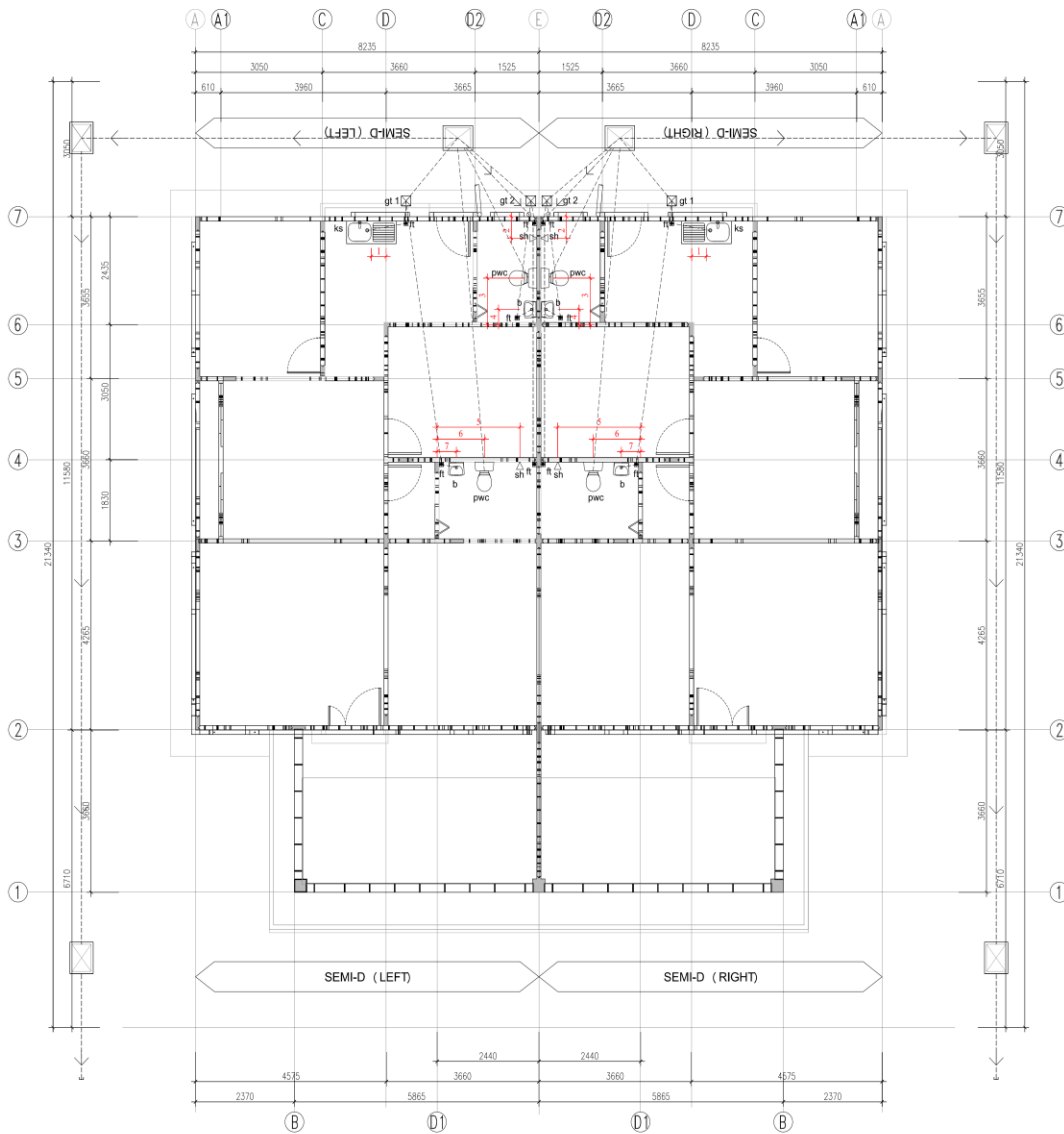
MANUFACTURER
HC MANUFACTURING SDN. BHD. (585570-T)
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41200 Klang, Selangor D.E. Tel:03-3323 7999 Fax:03-3323 8993

ESKAM :	HC
DATE :	FEB 2018
CHECKED :	3993
EXAMD :	MENC
APPRD :	MENC
SCALE :	NIS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
DI ATAS TANAH KERAJAAN DI PAMAH KASIH, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
UNTUK TETUAN:

DRAWING TITLE:
SINGLE STOREY SEMI-D (LEFT & RIGHT) UNIT SETTING OUT OF ELECTRICAL FIXTURES

DRAWING NO.:	HC/	REV.:	-
SYSTEM :	-	REV.:	-



**POSITION OF FITTINGS
(FROM STRUCTURAL LEVEL)**

	Distance of fitting (mm)	Height of fitting (mm)	Confirmation by M&E Consultant
1	450	900	
2	550	1900	
3	1100	FFL	
4	380	900	
5	1900	1900	
6	1200	FFL	
7	450	900	

- Notes:
- Distance of fitting has been scaled from M&E Consultant drawing.
 - Height of fitting from schedule provided by M&E Consultant drawing.
 - M&E Consultant to fill in dimension not stated (mm).

Confirmed by M&E Consultant

Signature :

Name :

Date :

NOTE:
DIMENSIONS SHOWN ARE PROVIDED BY M&E CONSULTANT, EXCEPT THOSE INDICATED.

SYSTEM PROVIDER

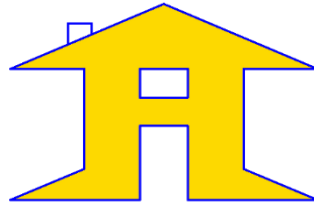
HC PRECAST SYSTEM SDN. BHD. (586697-M)
 No.23B, Jalan Seri Sarawak 20B/KS2, Taman Seri Andalas,
 41200 Klang, Selangor D.E. Tel:03-3323 5999 Fax:03-3323 8993
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 Tel:03-3323 7999 Fax:03-3323 8993

ISSAN :	HC
DATE :	FEB 2018
CHECKED :	MENC
EXAMD :	MENC
APPRD :	MENC
SCALE :	NTS

CADANGAN SKIM PERUMAHAN RAKYAT 1 MALAYSIA (PRIMA) BAGI RUMAH BERKEMBAR 1 TINGKAT
 DI ATAS TANAH KERAJAAN DI PAMAH KASIH, CHARUK PUTING, MUKIM PERAK, DAERAH TEMERLOH, PAHANG.
 UNTUK TETUAN:

DRAWING TITLE :		SINGLE STOREY SEMI-D (LEFT & RIGHT UNIT) SETTING OUT OF SANITARY FITTINGS	
DRAWING NO :	HC/	REV :	-
SYSTEM :	-	REV :	-



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