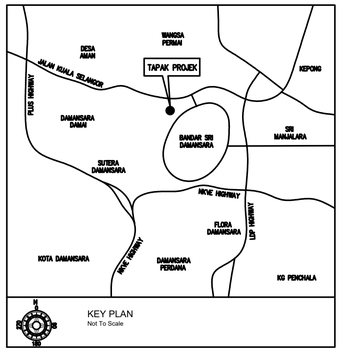
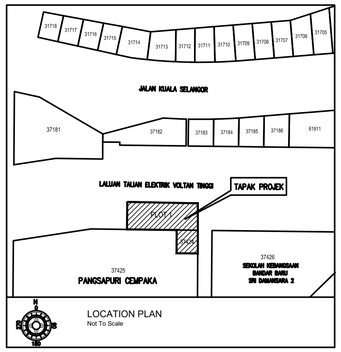
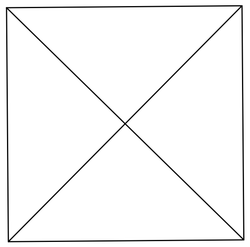
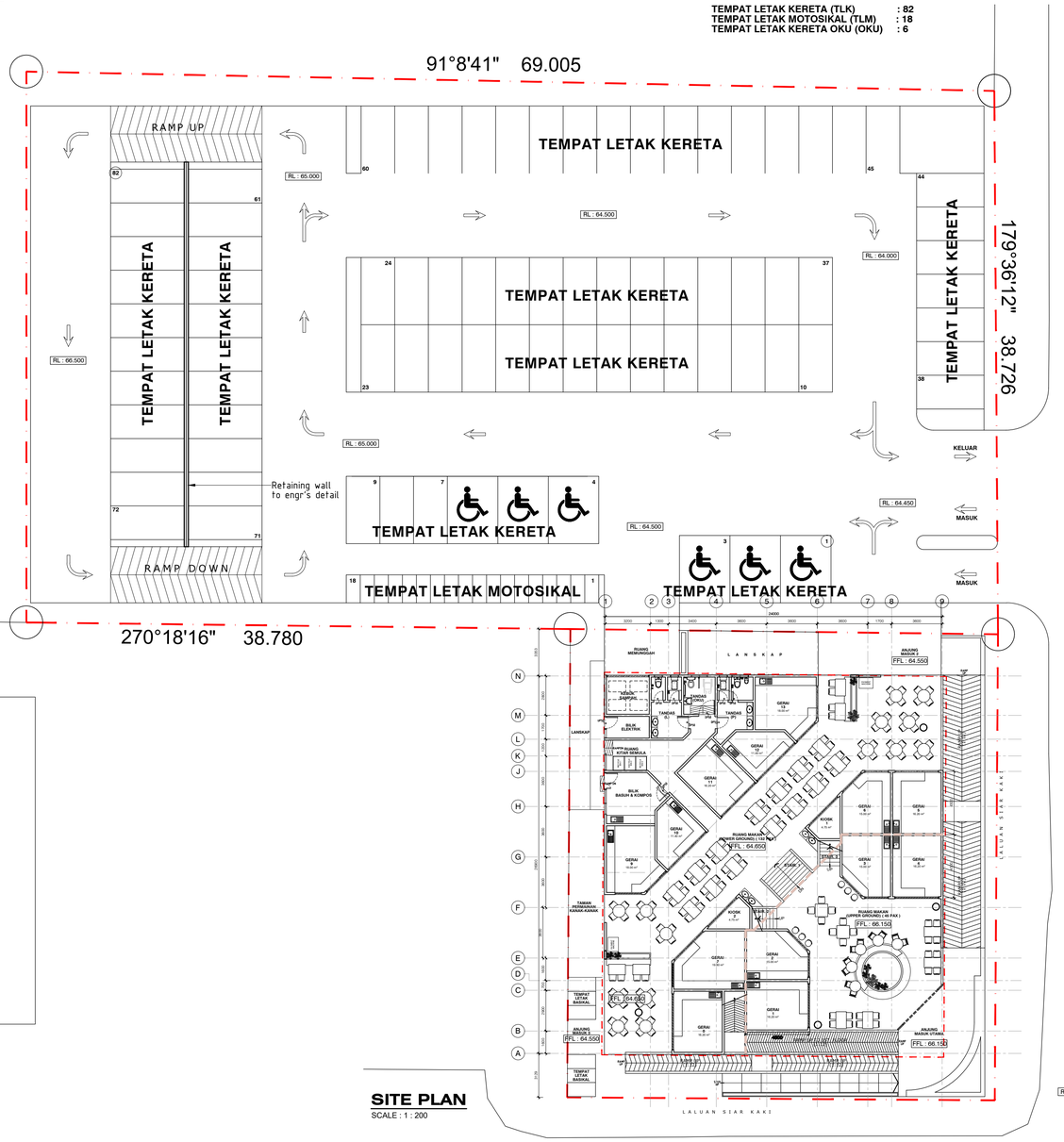
Dokumen Meja Terkawal







TEMPAT LETAK KERETA (TLK) : 82
TEMPAT LETAK MOTOSIKAL (TLM) : 18
TEMPAT LETAK KERETA OKU (OKU) : 6



SITE PLAN
SCALE : 1 : 200

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

PEMILIK / TANDATANGAN PENGUASA PROJEK :

Ir. Ts. AHMAD ROSLAN BIN HAIRUDIN A.I.S
TIMBALAN PENGARAH
JABATAN KEJURUTERAAN
MAJLIS BANDARAYA PETALING JAYA

PERUNDING ARKITEK :

ARCA+3
Arkitek Sdn. Bhd.
D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya, 47301 Petaling Jaya, Selangor. Tel:03-78875353 Fax:03-78878844

LEMBAGA ARKITEK MALAYSIA
Ar. Anuar B. Mohamed
ARKITEK
No. Pendaftaran LAM : A/A 29

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PERUNDING C&S :

SS DESIGN CONSULT (001490635-T)
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Taman Keramat Permai,
54200 Kuala Lumpur.
Tel : 03-42654880
Email : ssdesignconsult@yahoo.com

PERUNDING M&E :

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No. 27-2, 2nd Floor, Jalan 5/76B, Desa Pandan, 55100 Kuala Lumpur.
Tel : 03 - 9202 2302 // Email : bicemy@gmail.com

PERUNDING QS :

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DBN CONSULT SDN BHD (1397854-W)
5-6-5 Wisma Prima Peninsula,
Jalan Setiawangsa 11, Taman Setiawangsa,
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TAJUK LUKISAN

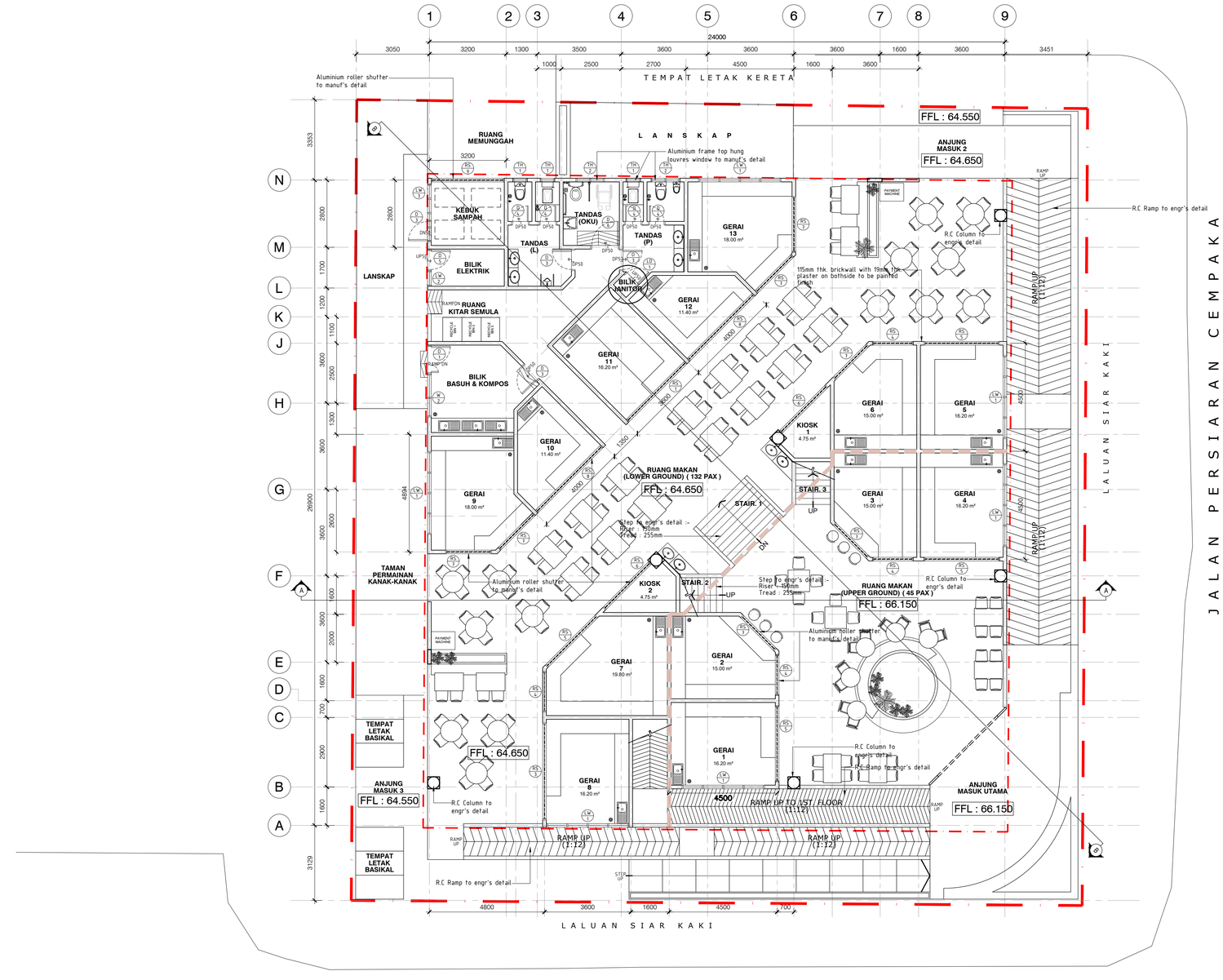
PELAN KUNCI
PELAN LOKASI
PELAN TAPAK

SKALA
SEPERTI DITUNJUKKAN

TARIKH
JAN 2026

NO LUKISAN
A3-2025/SEL/MBPJ/MS/WD/01

Dokumen Meja Terkawal



PELAN LANTAI TINGKAT BAWAH

SKALA : 1 : 100

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

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ARKITEK
No. Pendaftaran LAM : A/A 29

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Taman Keramat Permai,
54200 Kuala Lumpur.
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Email : ssdesignconsult@yahoo.com

PERUNDING M&E :

BI CONSULTING ENGINEERS SDN. BHD. (644040-D)
Mechanical & Electrical Consulting Engineers
No. 27-2, 2nd Floor, Jalan 5/76B, Desa Pandan, 55100 Kuala Lumpur.
Tel : 03 - 9202 2302 // Email : bicemy@gmail.com

PERUNDING QS :

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DBN CONSULT SDN BHD (1397824-W)
5-6-5 Wisma Prima Peninsula,
Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

PELAN LANTAI TINGKAT BAWAH

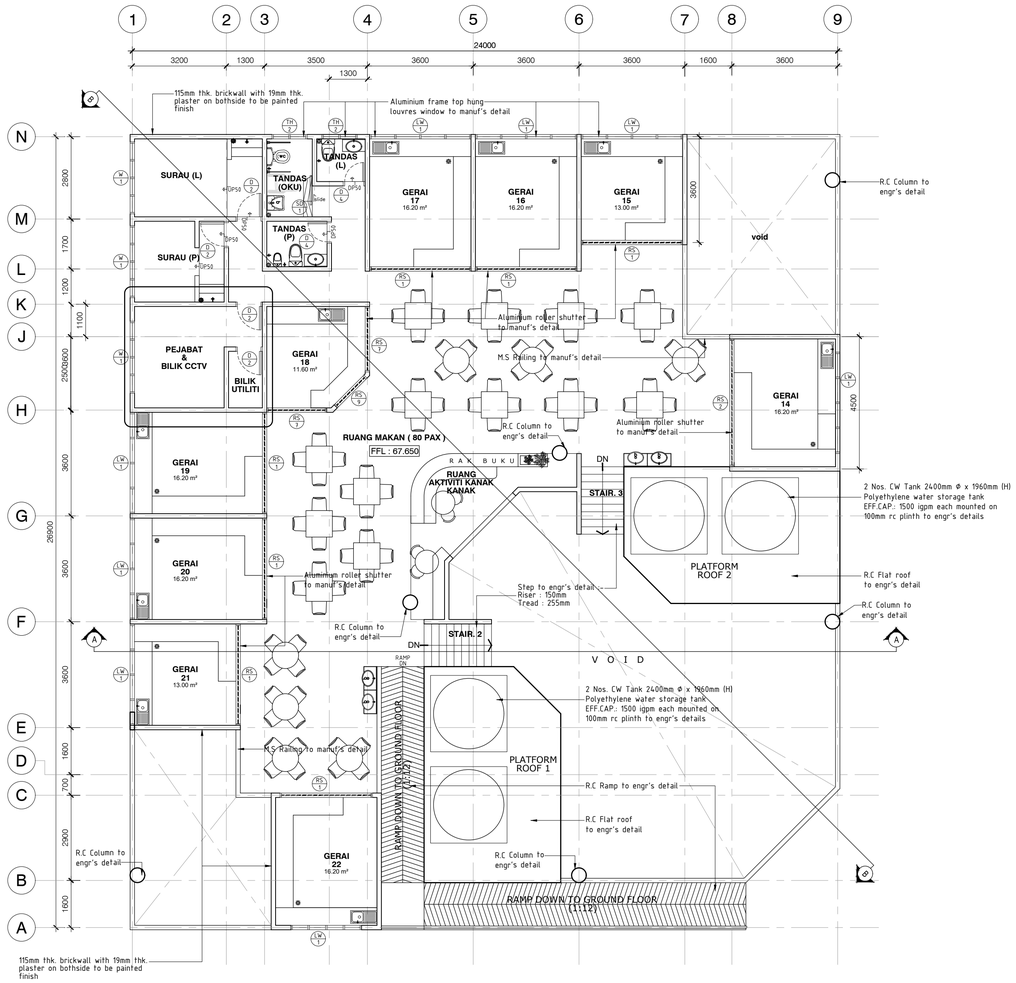
SKALA
1:100

TARIKH
JAN 2026

NO LUKISAN

A3-2025/SEL/MBPJ/MS/WD/02

Dokumen Meja Terkawal



PELAN LANTAI TINGKAT 1

SKALA : 1 : 100

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

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ARKITEK
No. Pendaftaran LAM : A/A 29

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54200 Kuala Lumpur.
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Email : ssdesignconsult@yahoo.com

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Mechanical & Electrical Consulting Engineers
No. 27-2, 2nd Floor, Jalan 5/76B, Desa Pandan, 55100 Kuala Lumpur.
Tel : 03 - 9202 2302 // Email : bicemy@gmail.com

PERUNDING QS :

دي مي عين كونسولت سندريان برحد
DBN CONSULT SDN BHD (1397824-W)
5-6-5 Wisma Prima Peninsula,
Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

PELAN LANTAI TINGKAT 1

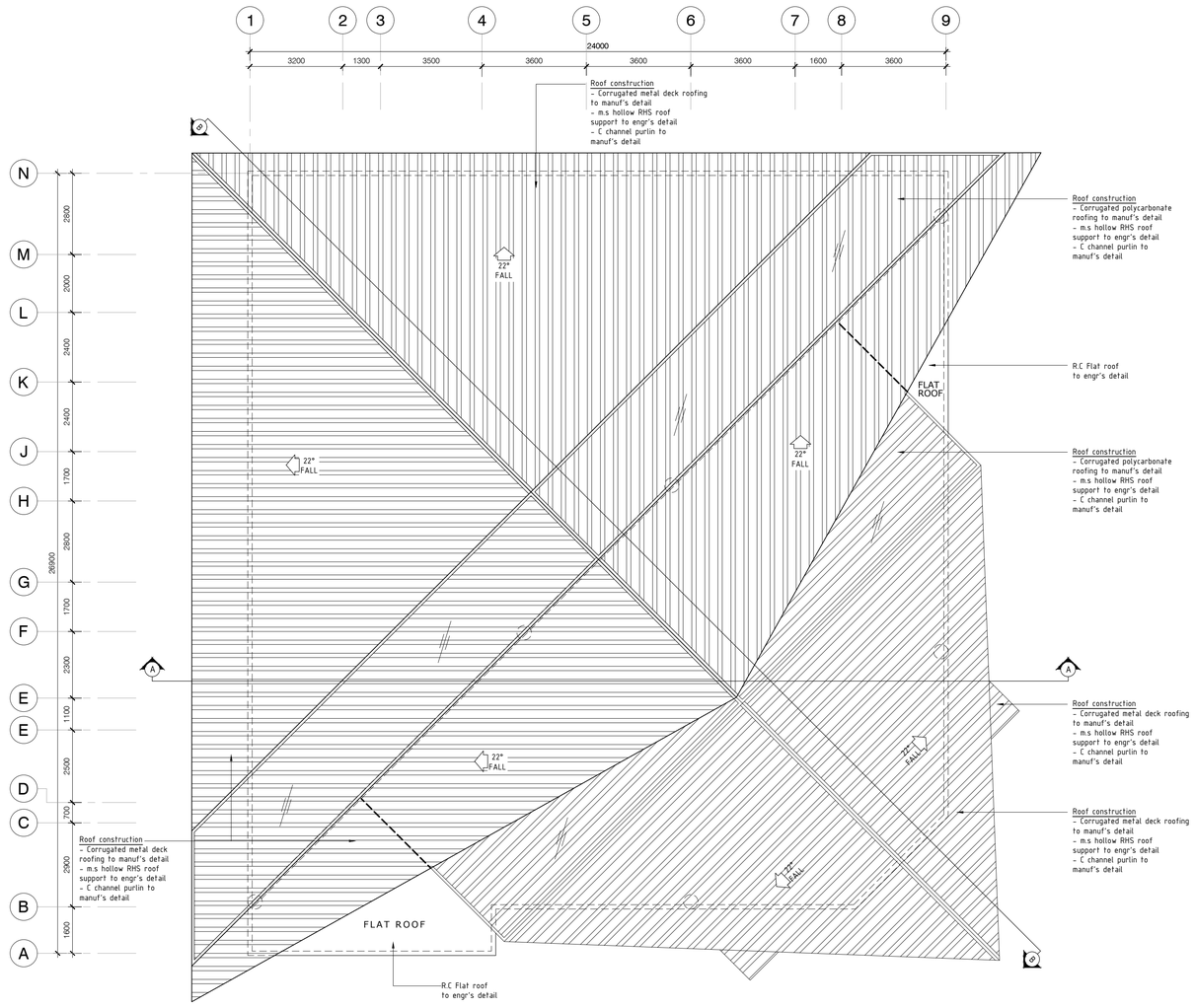
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TARIKH
JAN 2026

NO LUKISAN

A3-2025/SEL/MBPJ/MS/WD/03

Dokumen Meja Terkawal



PELAN BUMBUNG

SKALA : 1 : 100

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

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ARKITEK
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TAJUK LUKISAN

PELAN BUMBUNG

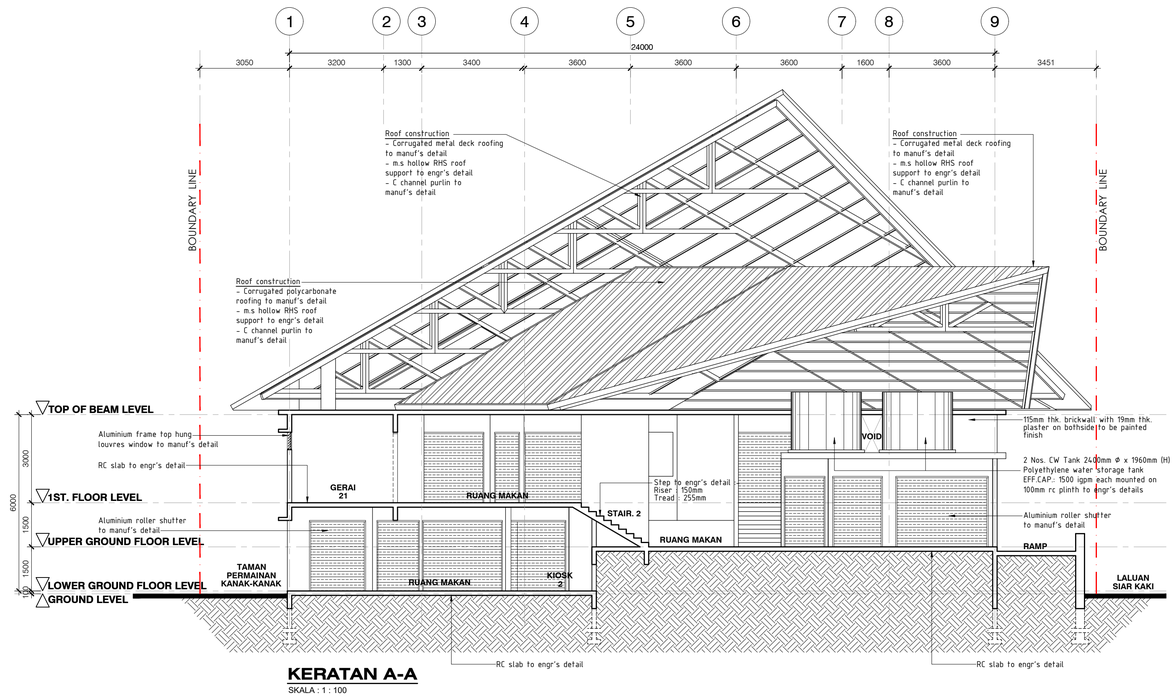
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TARIKH
JAN 2026

NO LUKISAN

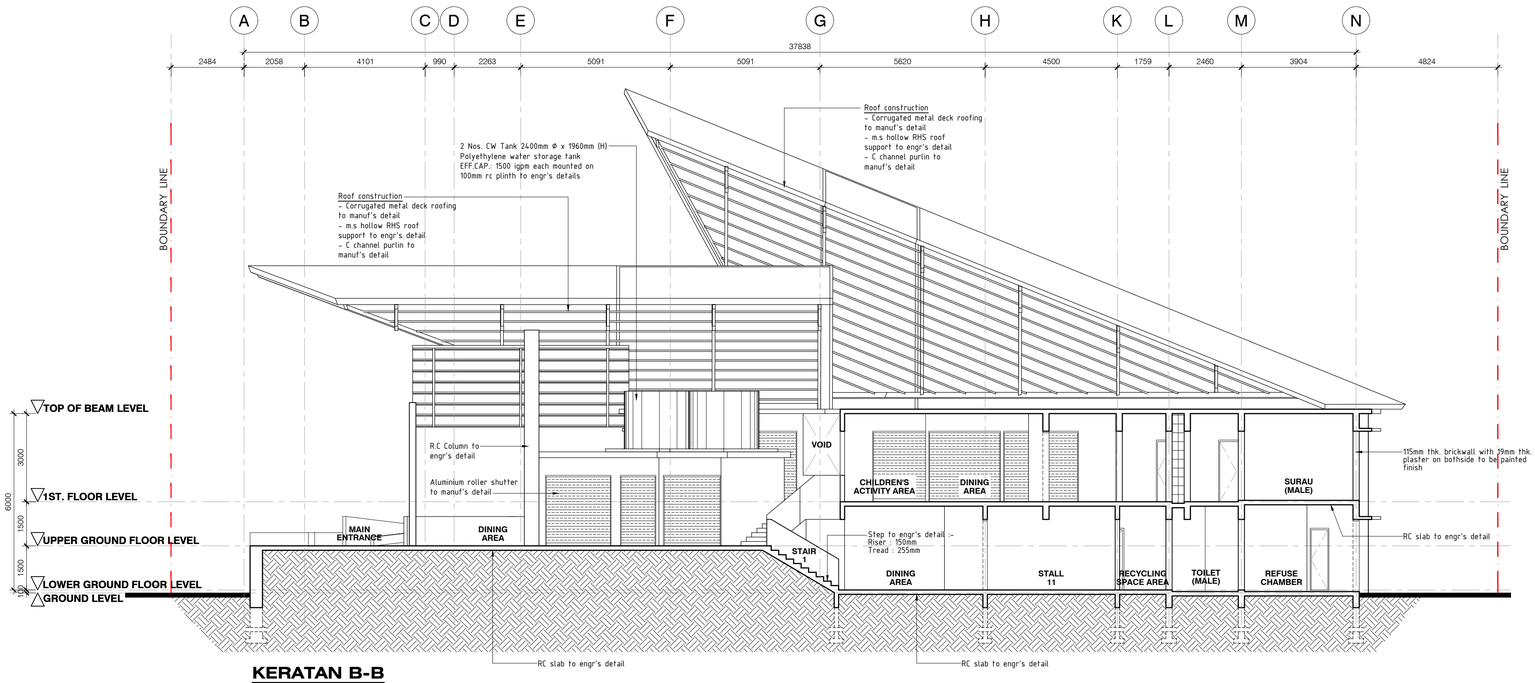
A3-2025/SEL/MBPJ/MS/WD/04

Dokumen Meja Terkawal



KERATAN A-A

SKALA : 1 : 100



KERATAN B-B

SKALA : 1 : 100

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

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A R K I T E K
No. Pendaftaran LAM : A/A 29

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Taman Keramat Permai,
54200 Kuala Lumpur.
Tel : 03-42654880
Email : ssdesignconsult@yahoo.com

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Mechanical & Electrical Consulting Engineers
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Tel : 03 - 9202 2302 // Email : bicemy@gmail.com

PERUNDING QS :

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54200 Kuala Lumpur
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

KERATAN A-A
KERATAN B-B

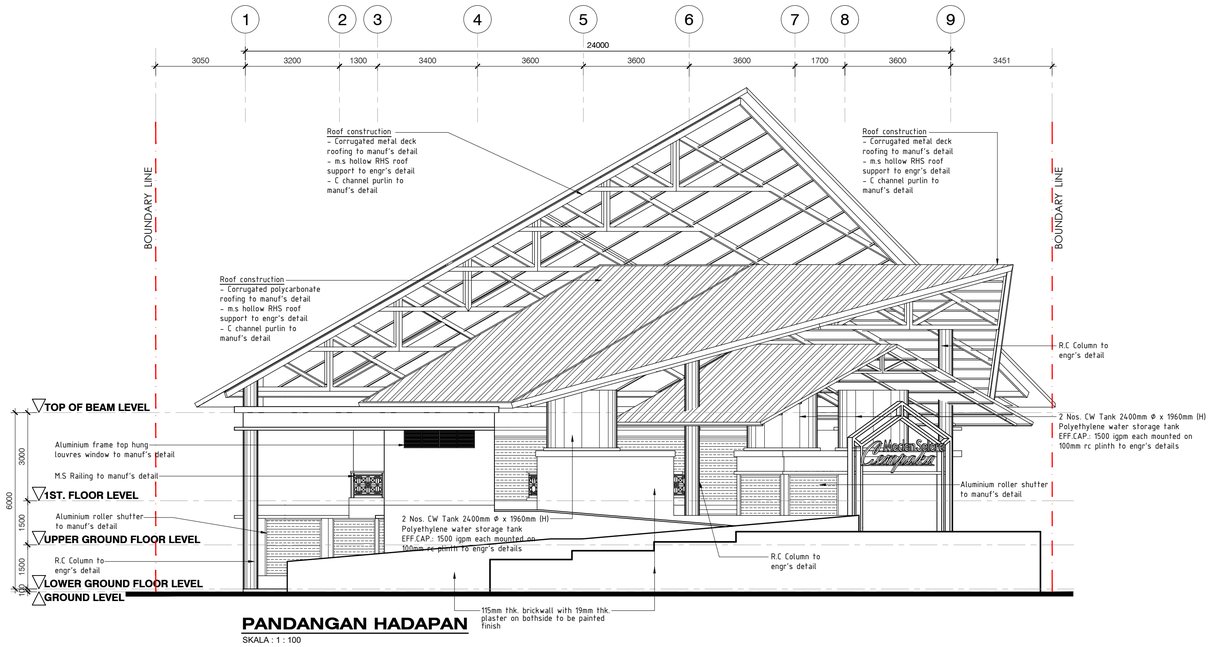
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TARIKH
JAN 2026

NO LUKISAN

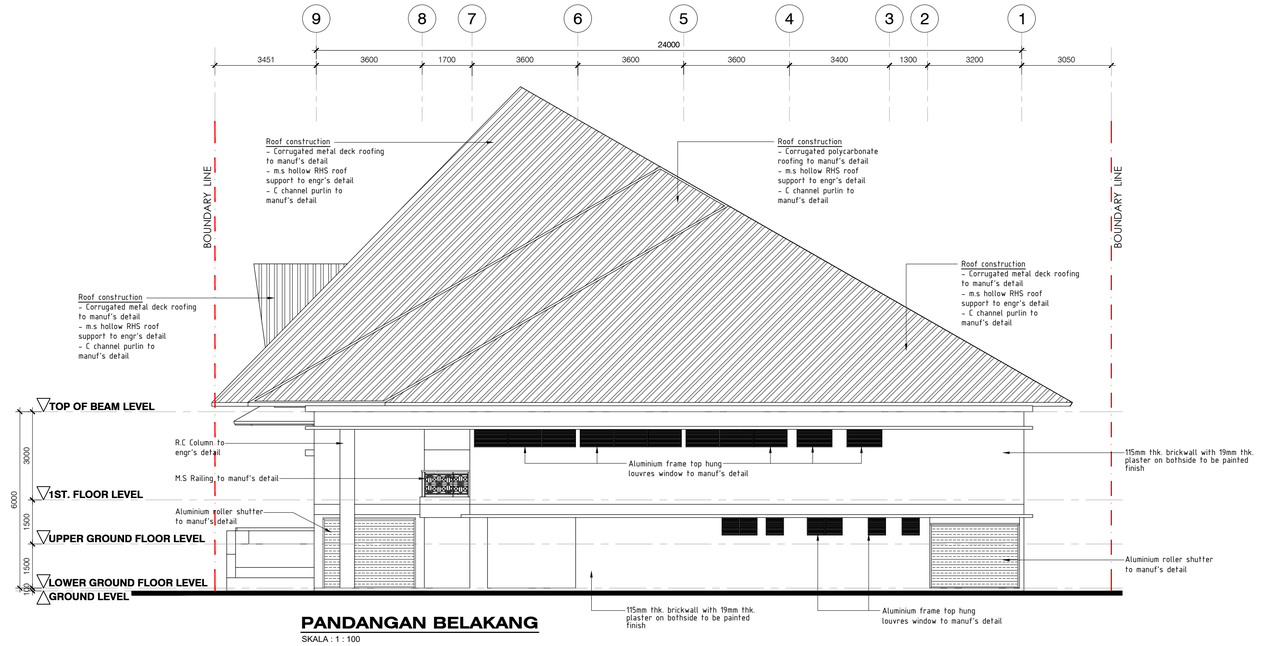
A3-2025/SEL/MBPJ/MS/WD/05

Dokumen Meja Terkawal



PANDANGAN HADAPAN

SKALA : 1 : 100



PANDANGAN BELAKANG

SKALA : 1 : 100

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

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Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

PANDANGAN HADAPAN
PANDANGAN BELAKANG

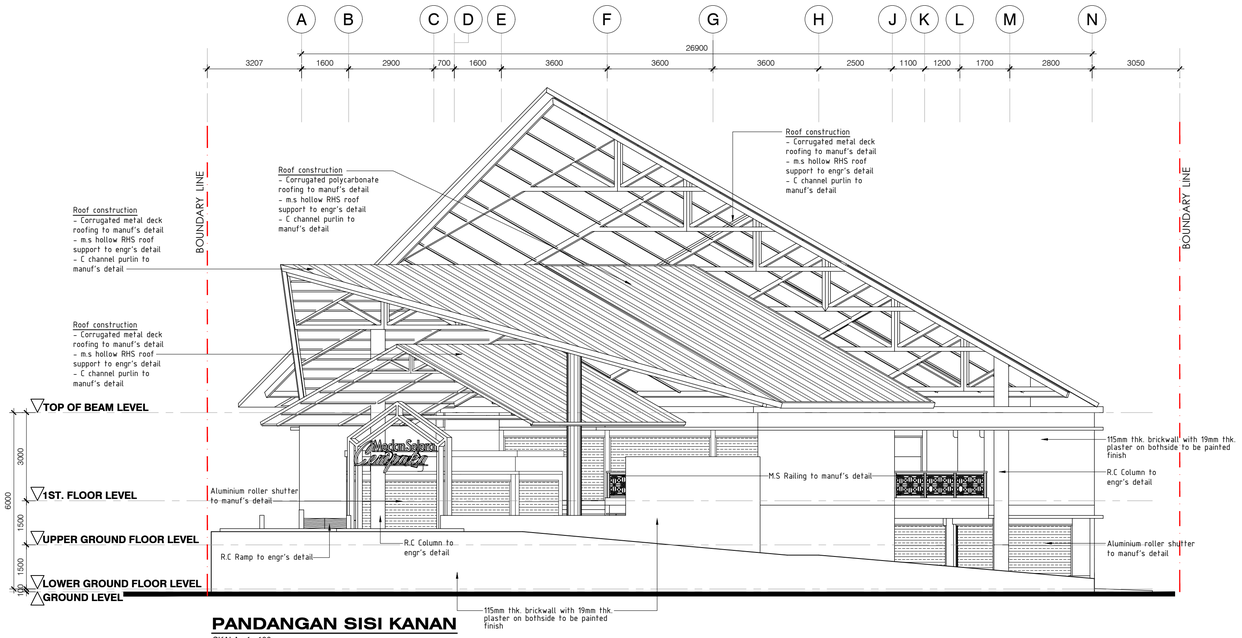
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TARIKH
JAN 2026

NO LUKISAN

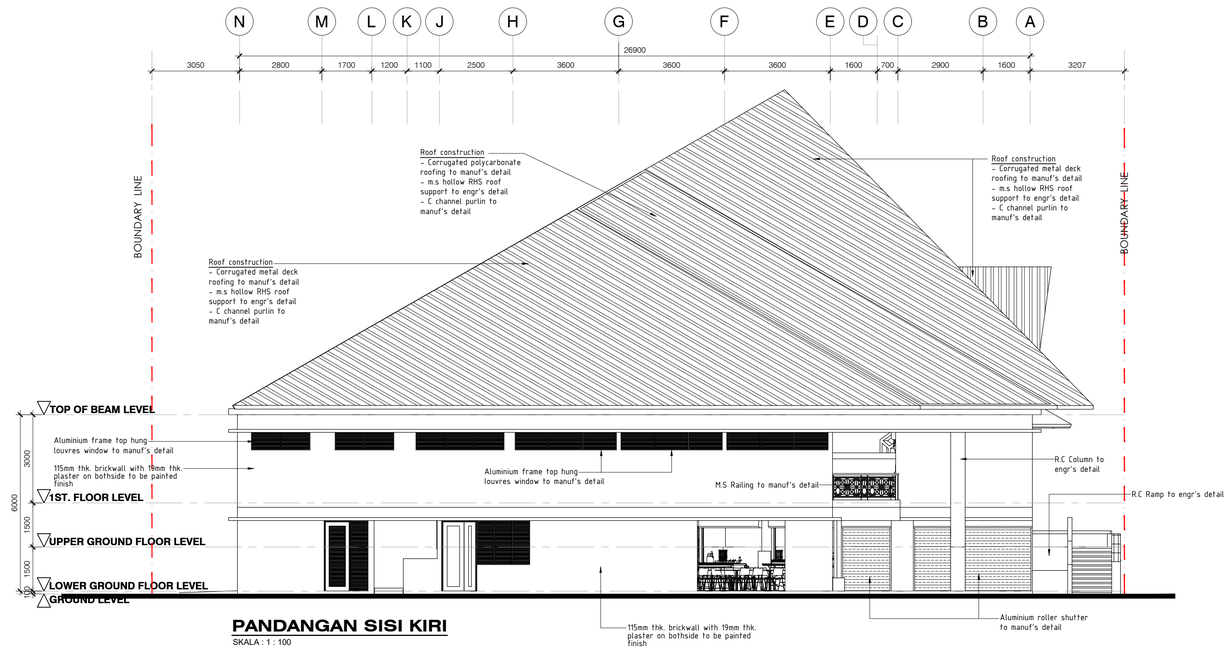
A3-2025/SEL/MBPJ/MS/WD/06

Dokumen Meja Terkawal



PANDANGAN SISI KANAN

SKALA : 1 : 100



PANDANGAN SISI KIRI

SKALA : 1 : 100

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

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PERUNDING ARKITEK :

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Ar. Anuar B. Mohamed
A R K I T E K
No. Pendaftaran LAM : A/A 29

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Email : ssdesignconsult@yahoo.com

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54200 Kuala Lumpur
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

PANDANGAN SISI KANAN
PANDANGAN SISI KIRI

SKALA
1:100

TARIKH
JAN 2026

NO LUKISAN

A3-2025/SEL/MBPJ/MS/WD/07

Dokumen Meja Terkawal

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN

UNTUK

MAJLIS BANDARAYA PETALING JAYA.

INFRASTRUKTUR

NO	DRAWING NO.	DRAWING TITLE
1	SSDC169-C/E100	EARTHWORK LAYOUT PLAN
2	SSDC169-C/E100 - 1	TEMPORARY DRAINAGE PLAN
3	SSDC169-C/E101	LONGITUDINAL SECTION
4	SSDC169-C/E102	SILT TRAP AND TEMPORARY EARTH DRAIN DETAIL
5	SSDC169-C/E103	WASH THROUGH DETAILS
6	SSDC169-C/E104	TEMPORARY HEAVY DUTY INTERLOCKING PAVER
7	SSDC169-C/E105	SILT FENCE
8	SSDC169-C/E106	HOARDING- ELEVATION A, B & C
9	SSDC169-C/R200	ROAD LAYOUT PLAN
10	SSDC169-C/R201	SECTION ROAD AND DETAIL
11	SSDC169-C/R202	DETAIL OF EXTRUDED KERB
12	SSDC169-C/R203	DETAIL OF ROAD MARKING
13	SSDC169-C/R204	DETAIL OF ROAD SIGNAGE AND HUMP
14	SSDC169-C/D300	DRAINAGE LAYOUT PLAN
15	SSDC169-C/D301	TYPICAL DRAIN, INSPECTION OPENING AND PRECAST COMPRESSED SLAB DETAILS
16	SSDC169-C/D302	CASCADE DRAIN, ORIFICE AND TRASH SCREEN
17	SSDC169-C/D303	RETAINING WALL - R.C WALL & BRICKWALL DETAILS
18	SSDC169-C/D304	UPGRADING EXISTING DRAINAGE AND SUMP WITH COVER GRATING DETAILS
19	SSDC169-C/W400	WATER RETICULATION LAYOUT PLAN
20	SSDC169-C/W401	DETAIL OF DUCTILE IRON GUSSETED BENDS, DETAIL OF DI FLANGED TEES, BEND,
		ALL-FLANGED LEVEL INVERT TEE, TAPER, SOCKET, BELLMOUTH AND 90 DUCKFOOT.
21	SSDC169-C/W402	DETAILS AND SHEDULE OF DI CONCRETE THRUST BLOCK AND ANCHOR BLOCK
22	SSDC169-C/W403	TYPICAL DETAIL OF AIR VALVE CHAMBER,SLUICE VALVE AND SCOUR VALVE CHAMBER AND
		PRECAST CHAMBER
23	SSDC169-C/W404	DETAIL OF PIPE CROSSING
24	SSDC169-C/S500	SEWERAGE LAYOUT PLAN
25	SSDC169-C/S501	LONGITUDINAL PROFILE OF MANHOLE FROM MH:1 TO EXISTING MANHOLE.
26	SSDC169-C/S502	PLAN VIEW OF MANHOLE, SECTION SHALLOW PRECAST CONCRETE MANHOLE, FREE DROP < 600
		BACK DROP > 600,GROUND LEVEL TO INVERT OF PIPE 1.2m < DEPTH < 2.5m
27	SSDC169-C/S503	MANHOLE COVER DETAIL & HOUSEHOLE CONNECTION TO MAIN SEWER
28	SSDC169-C/S504	BEDDINGS FOR RIGID PIPE OF PLUGGING AND SERVICE CONNECTION

STRUKTUR

NO	DRAWING NO.	DRAWING TITLE
1	SSDC169/MBPJ/S/FTG-01	FOOTING LAYOUT PLAN. FOOTING & COLUMN SCHEDULE. TYPICAL DETAIL OF NON-SUSPENDED SLAB @ GROUND FLOOR.
2	SSDC169/MBPJ/S/LGB-01	LOWER GROUND FLOOR PLAN. TYPICAL SECT. OF R.C WALL. TYPICAL SECT. OF R.C SLAB (CORRIDOR). R.C SLAB SECTION DETAILS.
3	SSDC169/MBPJ/S/LGB-02	LOWER GROUND BEAM DETAILS.
4	SSDC169/MBPJ/S/LGB-03	LOWER GROUND BEAM DETAILS. (CONT'. 1)
5	SSDC169/MBPJ/S/LGB-04	LOWER GROUND BEAM DETAILS. (CONT'. 2)
5	SSDC169/MBPJ/S/GB-01	GROUND FLOOR PLAN. TYPICAL DETAIL OF R.C RAMP (3a). TYPICAL DETAIL OF R.C STAIR (1), (2) & (3). R.C SLAB SECTION DETAILS.
7	SSDC169/MBPJ/S/GB-02	GROUND BEAM DETAILS.
8	SSDC169/MBPJ/S/GB-03	TYPICAL DETAIL OF R.C STEP. TYPICAL DETAIL OF R.C RAMP (1) & (2).
9	SSDC169/MBPJ/S/1B-01	1st FLOOR LAYOUT PLAN. TYPICAL DETAIL OF R.C RAMP (3b). R.C SLAB SECTION DETAILS.
10	SSDC169/MBPJ/S/1B-02	1st FLOOR BEAM DETAILS.
11	SSDC169/MBPJ/S/1B-03	1st FLOOR BEAM DETAILS. (CONT'. 01)
12	SSDC169/MBPJ/S/1B-04	1st FLOOR BEAM DETAILS. (CONT'. 02)
13	SSDC169/MBPJ/S/LRB&URB-01	LOWER & UPPER ROOF LAYOUT PLAN (r.c). LOWER ROOF BEAM DETAILS. R.C FLATSLAB SECTION DETAILS.
14	SSDC169/MBPJ/S/LRB&URB-02	UPPER ROOF BEAM DETAILS.
15	SSDC169/MBPJ/S/LRB&URB-03	UPPER ROOF BEAM DETAILS. (CONT'.)
16	SSDC169/MBPJ/S/TR-01	ROOF TRUSSES LAYOUT PLAN (UPPER LEVEL). TRUSSES 'A' AND ALL TYPICAL DETAILS.
17	SSDC169/MBPJ/S/TR-02	ROOF TRUSSES LAYOUT PLAN (MIDDLE LEVEL). TRUSSES 'B' & 'C' AND ALL TYPICAL DETAILS.
18	SSDC169/MBPJ/S/TR-03	ROOF TRUSSES LAYOUT PLAN (LOWER LEVEL). TRUSSES 'D' AND ALL TYPICAL DETAILS.

TENDER DRAWING

PEMILIK :

MAJLIS BANDARAYA PETALING JAYA
JALAN YONG SHOOK LIN,
46675 PETALING JAYA,
SELANGOR DARUL EHSAN
Tel : 03-7956 3544 / Fax : 03-7958 1494
http://www.mbpj.gov.my

PERUNDING AWAM DAN STRUKTUR :

SS DESIGN CONSULT (001490635-T)
JURUTERA PERUNDING AWAM & STRUKTUR
No. 20-1F, JALAN AU 1A/4A, TAMAN KERAMAT PERMAI,
54200 KUALA LUMPUR, SELANGOR DARUL EHSAN
Tel. No. : 03-4251 5880 Fax. No. : 03-4251 6880
Email : ssdesignconsult@yahoo.com

Dokumen Meja Terkawal

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

INFRASTRUKTUR

NO	DRAWING NO.	DRAWING TITLE	NO	DRAWING NO.	DRAWING TITLE
		KERJATANAH			WATER RETICULATION
1	SSDC169-C/E100	LAYOUT PLAN	18	SSDC169-C/W400	LAYOUT PLAN
2	SSDC169-C/E100 - 1	TEMPORARY DRAINAGE PLAN	19	SSDC169-C/W401	DETAIL OF DUCTILE IRON GUSSETED BENDS, DETAIL OF DI FLANGED TEES, BEND,
3	SSDC169-C/E102	SILT TRAP AND TEMPORARY EARTH DRAIN DETAIL			ALL-FLANGED LEVEL INVERT TEE, TAPER, SOCKET, BELLMOUTH AND 90 DUCKFOOT.
4	SSDC169-C/E103	WASH THROUGH DETAILS	20	SSDC169-C/W402	DETAILS AND SHEDULE OF DI CONCRETE THRUST BLOCK AND ANCHOR BLOCK
5	SSDC169-C/E104	TEMPORARY HEAVY DUTY INTERLOCKING PAVER	21	SSDC169-C/W403	TYPICAL DETAIL OF AIR VALVE CHAMBER,SLUICE VALVE AND SCOUR VALVE CHAMBER AND
6	SSDC169-C/E105	SILT FENCE			PRECAST CHAMBER
7	SSDC169-C/E106	HOARDING- ELEVATION A, B & C	22	SSDC169-C/W404	DETAIL OF PIPE CROSSING
		JALAN			SEWERAGE
8	SSDC169-C/R200	LAYOUT PLAN	23	SSDC169-C/S500	LAYOUT PLAN
9	SSDC169-C/R201	SECTION ROAD AND DETAIL	24	SSDC169-C/S502	PLAN VIEW OF MANHOLE, SECTION SHALLOW PRECAST CONCRETE MANHOLE, FREE DROP < 600
10	SSDC169-C/R202	DETAIL OF EXTRUDED KERB			BACK DROP > 600,GROUND LEVEL TO INVERT OF PIPE 1.2m < DEPTH < 2.5m
11	SSDC169-C/R203	DETAIL OF ROAD MARKING	25	SSDC169-C/S503	MANHOLE COVER DETAIL & HOUSEHOLE CONNECTION TO MAIN SEWER
12	SSDC169-C/R204	DETAIL OF ROAD SIGNAGE AND HUMP	26	SSDC169-C/S504	BEDDINGS FOR RIGID PIPE OF PLUGGING AND SERVICE CONNECTION
		PERPARITAN			
13	SSDC169-C/D300	LAYOUT PLAN			
14	SSDC169-C/D301	TYPICAL DRAIN, INSPECTION OPENING AND PRECAST COMPRESSED SLAB DETAILS			
15	SSDC169-C/D302	CASCADE DRAIN, ORIFICE AND TRASH SCREEN			
16	SSDC169-C/D303	RETAINING WALL - R.C WALL & BRICKWALL DETAILS			
17	SSDC169-C/D304	UPGRADING EXISTING DRAINAGE AND SUMP WITH COVER GRATING DETAILS			

TENDER DRAWING

PEMILIK :

MAJLIS BANDARAYA PETALING JAYA

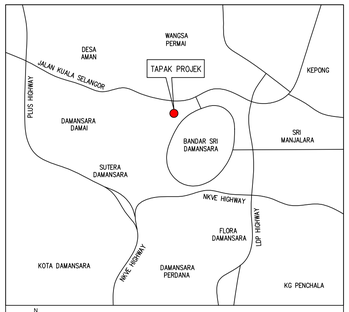
No. 1, JALAN YONG SHOOK LIN,
SEKSYEN 7, 46675 PETALING JAYA,
SELANGOR DAREUL EHSAN
Tel : 03-7956 3544 / Fax : 03-7958 1494
http://www.mbpj.gov.my

PERUNDING AWAM DAN STRUKTUR :

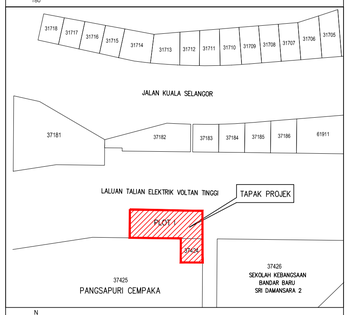
SS DESIGN CONSULT (001490635-T)
JURUTERA PERUNDING AWAM & STRUKTUR

No. 20-1F, JALAN AU 1A/4A, TAMAN KERAMAT PERMAI,
54200 KUALA LUMPUR, SELANGOR DAREUL EHSAN
Tel. No. : 03-4251 5880 Fax. No. : 03-4251 6880
Email : ssdesignconsult@yahoo.com

Dokumen Meja Terkawal



KEY PLAN
Not To Scale



LOCATION PLAN
Not To Scale

NOTA SURVEY :

1. Datum kerja pengukuran berpandukan dari PA 75307
2. Datum asas koordinat adalah GDM2000 Cassini Soldner.
3. Semua aras laras berpandukan dari TBM 1 RL : 58.760 meter paku konkrit atas kerb jalan.

BKLO	Batu Konktir Lama		Longkang Konkrit
pkO	Paku Konkrit		Longkang Konkrit Bawah
	Cerun		Sump Longkang
	Tanda Aras Sementara	IL	Aras Dalam
O TL	Tiang Lampu		Arah Aliran Air
	Pagar Batu		Jalan Tar
	Guard Rail	MH IWK	Manhole Kumbahan Sediada

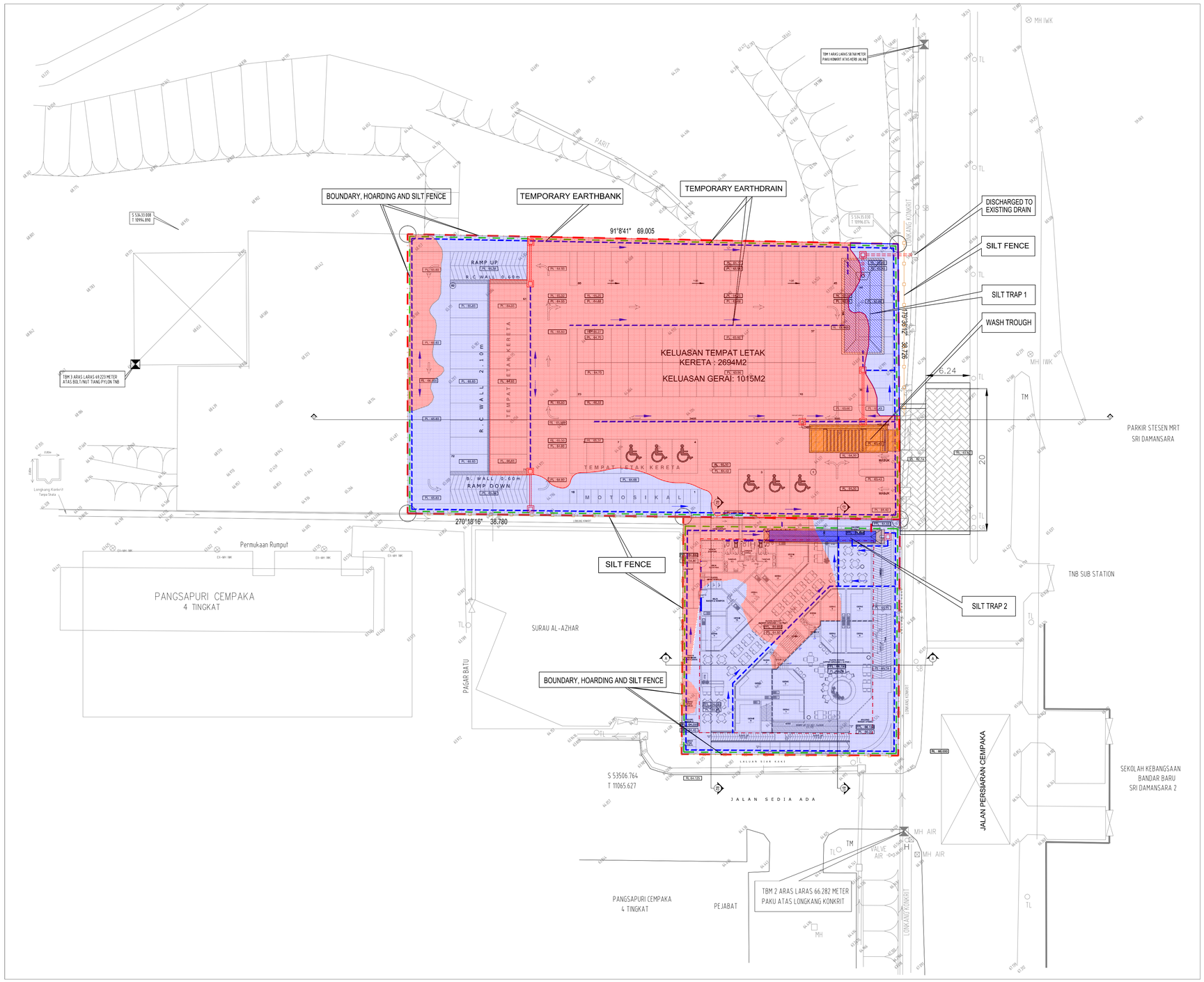
LEGEND :

	FILL	CUT = 1,180.97 m3
	CUT	FILL = 1,012.55 m3
		TOTAL CUT = 168.42m3

CUT AND FILL VOLUME

NOTE :

1. CUT SLOPE = 1: 1.5
2. FILL SLOPE = 1: 2



NOTA :

PERUNTUKAN-PERUNTUKAN YANG BERHUBUNG DENGAN KERJA TANAH AM

(i) Kerja tanah yang melebihi 3.0m tinggi / dalam hendaklah dilindungi dengan struktur penahan atau perstabilan cerun.
(ii) Perkara-perkara berikut hendaklah dinyatakan di dalam pelan dan dipatuhi perlaksanaannya.
(a) Pokok-pokok tidak boleh ditebang / ditercangkan sehingga kerja tanah telah siap dan telah disahkan kerja-kerja pemotongan tersebut sekiranya ada hendaklah dijalankan pada tahap yang minima.
(b) Memastikan bahawa segala kerja-kerja tanah tidak menyebabkan kacauganggu atau kerosakan kepada hartaharta disekelilingnya.
(c) Tanah yang terdedah akibat kerja-kerja pembinaan perlulah ditutup dengan rumput tanam tompok (spot turfing) bagi tanah dari jenis landai dan rumput tanam rapat (close turfing) bagi tanah yang bercerun mengikut kehendakkehendak yang ditetapkan untuk mengelakkan berlakunya kejadian hakisan. Cerun-cerun hendaklah dibina bersudut 450 atau kadar cerun 1:1 Perlaksanaan langkah-langkah memstabilkan cerun termasuk menyediakan struktur penahan perlu dijalankan.
(d) Penyediaan sistem saliran sementara dan kekal serta menyediakan dan penyelenggaraan kolam takungan hujan, perangkap lumpur ,'silt trap', 'earth drain' dan 'wash trough' perlu dilaksanakan sehiap masa bagi mengelakkan berlakunya banjir kilat dan kekotoran jalan sedada.
(e) Mengadakan 'premix @ concrete road surfacing' bagi mengelakkan berlakunya pencemaran lumpur dan habuk ke atas jalan raya sedada.
(f) Kerja-kerja pemotongan tanah hendaklah dijalankan pada kadar minima dan setakat mencukupi sahaja untuk kerjakerja binaan dilaksanakan bagi memastikan keadaan persekitaran tergelihara.
(g) Sekiranya terdapat kerja-kerja 'blasting' orang yang bertanggungjawab perlu mengawasi tahap gegaran yang dihasilkan. Pengawasan ini perlulah diperaksu oleh Jurutera yang berkelayakan dan laporan berkaitan tahap 'blasting' perlu dikemukakan kepada Majlis. Perkara di atas termasuk bagi kerja-kerja tersebut.
(h) Pemaju dan Jurutera Perunding hendaklah memastikan semua langkah-langkah keselamatan di ambil dalam menjalankan kerja-kerja pembinaan termasuk pembinaan struktur bangunan bagi menjamin keselamatan pekerja binaan, orang dan harta awam. Majlis akan mengawasi perkara-perkara di atas setiap masa.
(i) Semua alur utama dan alur air semulajadi sekiranya ada perlu disalirkan dan dilencongkan serta mengadakan pemnatang dan pembetung yang cukup.
(j) Asas jalan yang di bina dan permukaan jalan tersebut hendaklah di sendal bagi mengelakkan enap dengan mengadakan permatang dan pembetung yang cukup.
(k) Timbusan-timbusan tanah hendaklah dipadatkan.
(l) Laporan berganbar hendaklah dikemukakan oleh pemaju kepada Majlis setiap dua minggu mengenai akfiviti kerja tanah yang dijalankan serta permasalahan yang timbul dan tindakan segera mengatasinya di ambil di sepanjang tempoh kerja tanah tersebut dilaksanakan.
(m) Tiada pembakaran terbuka diberkarkan
(n) Permit menggunakan jalan Majlis bag kerja-kerja mengangkut tanah dan bahan binaan hendaklah diperoleh dari pihak Majlis sebelum kerja tanah dimulakan.
(o) Keadaan persekitaran tapak kerja tanah perlu di kawal agar tidak berdebu dengan mengadakan teknik yang bersesuai seperti 'water sprinkler' ataupun menanam rumput secara tompok di 'platform' sesuaitu paras yang telah siap.
(p) Kerja tanah hanya boleh dijalankan pada masa-masa berikut :-
- ISNIN - SABTU : 9.00 a.m. - 6.00 p.m
- AHAD DAN CUTI UMUM : CUTI
(q) Kerja tanah hendaklah diberhentikan SERTA-MERTA apabila kerajaan mengumumkan Index Pencemaran Udara mencecah 250 i.p.u. Pemaju hanya di benar mengadakan kerja-kerja yang melibatkan keselamatan dan yang melibatkan kestabilan struktur / profil tanah.
(r) Pihak pemaju hendaklah bertanggungjawab ke atas sebarang masalah yang timbul akibat dengan kerja tanah serta bertanggungjawab mengambil tindakan SEGERA mengatasi masalah tersebut.
(s) Kerja-kerja tanah akan dilaksanakan selaras dan memathi syarat-syarat yang ditetapkan di dalam Manual Saliran Mesra Alam Malaysia (MASMA)
(t) Tempoh masa di antara kerja pembukaan kawasan dan pembinaan hendaklah disingkatkan.
(u) Semua lori yang berisi muatan hendaklah ditutup dengan kanvas dan segala tayar hendaklah dibasuh dan dibersihkan sebelum masuk ke jalan awam semasa kerjakerja tanah berjalan.
(v) Segala tumbuh-tumbuhan rumput dan sebagainya hendaklah dialih sebelum tanah ditarah dan ditimbus.
(w) Semua setinggan yang ada di tapak perlu dipindah sebelum memulakan kerja.
(x) Semua kerjatanah hendaklah dibuat di dalam lot pemohon itu sendiri. Sekiranya kerja-kerja itu dicadangkan di lot yang bersebelahan, kebenaran bertulis daripada pemunya tanah itu mestilah didapati dan dibuat di atas setiap set pelan kerjatanah.
(y) SALIRAN – Sungai / anak sungai / parit yang sedada hendaklah dibersihkan lodak dengan perbelanjaan pemunya sendiri kalau ia berlodak disebabkan oleh kerja-kerja tanah yang dicadangkan.

AM
SEMUA PELAN-PELAN, SPESIFIKASI DAN KIRAAN-KIRAAN HENDAKLAH MEMATUHI ARAHAN-ARAHAN BERIKUT :-

a. PENYIASATAN TAPAK
b. KERJA TANAH - BS 2003
c. ASAS TAPAK - BS 2004
d. CIVIL ENG. CODE OF PRACTISE NO. 2 EARTH RETAINING STRUCTURE - ISE. UK
e. ASAS DAN BINAGALAS BAGI BANGUNAN-BANGUNAN BUKAN PERINDUSTRIAN YANG TIDAK MELEBIHI 4 TINGKAT

1. Pemotongan cerun terdedah hendaklah tidak melebihi 1:1 dan penambakan cerun terdedah tidak melebihi 1:2

2. Sebarang pembinaan cerun hendaklah berada di dalam kawasan cadangan

3. Gunakan 'fully automatic wash trough - portable' bagi projek-projek yang dibina berhampiran / bersebelahan jalanraya sedada.

PETUNJUK :

64.894	EXISTING SPOT LEVEL
RL 66.400	FINISH ROAD LEVEL
PL 65.830	FINISH PLATFORM LEVEL (CUT/FILL)
	PROPOSED TEMPORARY EARTHDRAIN
	PROPOSED TEMPORARY EARTH BANK
	PROPOSED CONSTRUCTION HOARDING
	BOUNDARY LINE AND SILT FENCE
	PROPOSED TEMPORARY CULVERT AND SUMP
	PROPOSED TEMPORARY SILT TRAP SILT TRAP 1 - 6m x 13.50 x 1.4m (H) SILT TRAP 2 - 2m x 17.50 x 0.8m (H)
	PROPOSED TEMPORARY WASH TROUGH WITH 'FULLY AUTOMATIC WASH TROUGH - PORTABLE

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

PEMILIK / TANDATANGAN PENGUASA PROJEK :

MBPJ

Ir. Ts. AHMAD ROSLAN BIN HAIRUDIN A.I.S
TIMBALAN PENGARAH
JABATAN KEJURUTERAAN
MAJLIS BANDARAYA PETALING JAYA

PERUNDING ARKITEK :

ARCA 3
Arkitek Sdn. Bhd.
D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya, 47301 Petaling Jaya, Selangor. Tel:03-78875353 Fax:03-78878644

LEMBAGA ARKITEK MALAYSIA

Ar. Anuar B. Mohamed
ARKITEK
No. Pendaftaran LAM : A/A 29

"Saya memperakui bahawa perinci-perinci dalam pelan-pelan ini adalah menurut kehendak-kehendak Undang-undang Kecil Bangunan Seragam Selangor 1986 dan saya setuju terima tanggungjawab dengan sewajarnya"

PERUNDING C&S :

SS DESIGN CONSULT (001490635-T)
No. 20–1F, Jalan AU 1A/4A,
Taman Keramat Permai,
54200 Kuala Lumpur.
Tel : 03–42654880
Email : ssdesignconsult@yahoo.com

PERUNDING M&E :

BI CONSULTING ENGINEERS SDN. BHD. (64404-D)
Mechanical & Electrical Consulting Engineers
No. 27-2, 2nd Floor, Jalan 5/76B, Desa Pandan, 55100 Kuala Lumpur.
Tel : 03 - 9202 2302 // Email : bicemy@gmail.com

PERUNDING QS :

DBN CONSULT SDN BHD (1397824 - W)
5–6–5 Wisma Prima Peninsula,
Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur
Tel : 03–4252 2780 Fax : 03–4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

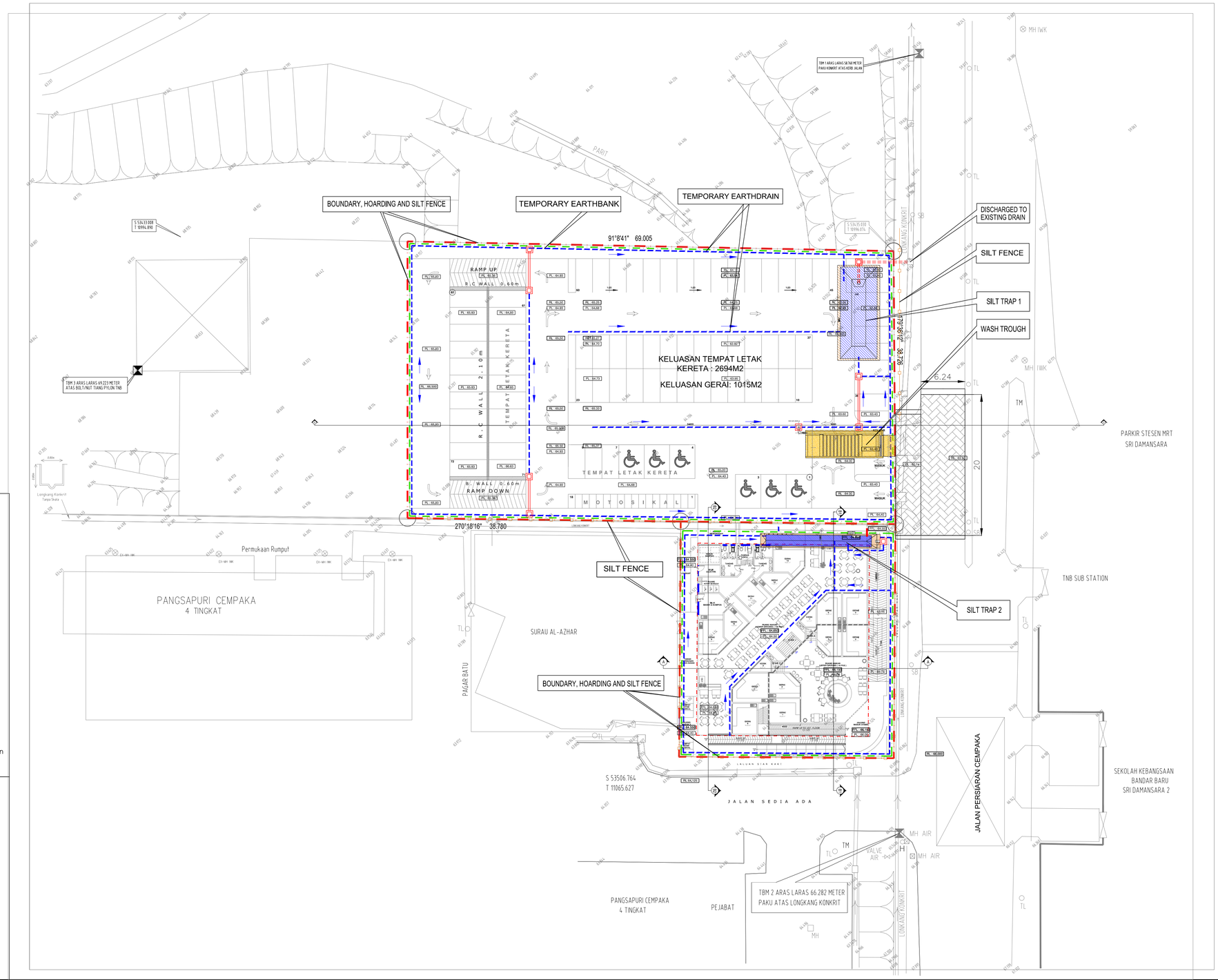
KERJATANAH
PELAN KUNCI DAN LOKASI
PELAN SUSUNATUR

SKALA
1 : 300

TARIKH
JAN 2026

NO LUKISAN
SSDC 169 - C/E100

Dokumen Meja Terkawal



NOTA SURVEY :

1. Datum kerja pengukuran berpandukan dari PA 75307
2. Datum asas koordinat adalah GDM2000 Cassini Soldner.
3. Semua aras laras berpandukan dari TBM 1 RL : 58.760 meter paku konkrit atas kerb jalan.

BKLO	Batu Konktir Lama		Longkang Konkrit
pkO	Paku Konkrit		Longkang Konkrit Bawah
	Cerun		Sump Longkang
	Tanda Aras Sementara	IL	Aras Dalam
O TL	Tiang Lampu		Arah Aliran Air
	Pagar Batu		Jalan Tar
	Guard Rail	MH IWK	Manhole Kumbahan Sediada

LEGEND :

FILL	CUT = 1,180.97 m3
CUT	FILL = 1,012.55 m3
	TOTAL CUT = 168.42m3

CUT AND FILL VOLUME

NOTE :

1. CUT SLOPE = 1: 1.5
2. FILL SLOPE = 1: 2

NOTA :

PERUNTUKAN-PERUNTUKAN YANG BERHUBUNG DENGAN KERJA TANAH AM

(i) Kerja tanah yang melebihi 3.0m tinggi / dalam hendaklah dilindungi dengan struktur penahan atau penstabilan cerun.
(ii) Perkara-perkara berikut hendaklah dinyatakan di dalam pelan dan dipatuhi pertikaisanannya.
(a) Pokok-pokok tidak boleh ditebang / ditercangkan sehingga kerja tanah telah siedia untuk diusahakan kerja-kerja pemotongan tersebut sekiranya ada hendaklah dijalankan pada tahap yang minima.
(b) Memastikan bahawa segala kerja-kerja tanah tidak menyebabkan kacauganggu atau kerosakan kepada hartaharta disekelilingnya.
(c) Tanah yang terdedah akibat kerja-kerja pembinaan perlulah ditutup dengan rumput tanam tompok (spot turfing) bagi tanah dari jenis landai dan rumput tanam rapat (close turfing) bagi tanah yang bercerun mengikut kehendakkehendak yang ditetapkan untuk mengelakkan berlakunya kejadian hakisan. Cerun-cerun hendaklah dibina bersudut 450 atau kadar cerun 1:1 Perlakasanaan langkah-langkah menstabilkan struktur penahan perlu dijalankan.
(d) Penyediaan sistem saliran sementara dan kekal serta menyediakan dan penyelenggaraan kolam takungan hujan, perangkap lumpur ,'silt trap', 'earth drain' dan 'wash trough' perlu dilaksanakan sehiap masa bagi mengelakkan berlakunya banjir kilat dan kekotoran jalan sediada.
(e) Mengadakan 'premix @ concrete road surfacing' bagi mengelakkan berlakunya pencemaran lumpur dan habuk ke atas jalan raya sediada.
(f) Kerja-kerja pemotongan tanah hendaklah dijalankan pada kadar minima dan setakat mencukupi sahaja untuk kerjakerja binaan dilaksanakan bagi memastikan keadaan persekitaran terpelihara.
(g) Sekiranya terdapat kerja-kerja 'blasting' orang yang bertanggungjawab perlu mengawasi tahap gegaran yang dihasilkan. Pengawasan ini perlulah dperaksi oleh Jurutera yang berkelayakan dan laporan berkaitan tahap 'blasting' perlu dikemukakan kepada Majlis. Perkara di atas termasuk bagi kerja-kerja tersebut.
(h) Pemaju dan Jurutera Perunding hendaklah memastikan semua langkah-langkah keselamatan di ambil dalam menjalankan kerja-kerja pembinaan termasuk pembinaan struktur bangunan bagi menjamin keselamatan pekerja binaan, orang dan harta awam. Majlis akan mengawasi perkara-perkara di atas setiap masa.
(i) Semua alur utama dan alur air semulajadi sekiranya ada perlu disalirkan dan dilencongkan serta mengadakan pemantang dan pembetung yang cukup.
(j) Asas jalan yang di bina dan permukaan jalan tersebut hendaklah di sendal bagi mengelakkan enap dengan mengadakan permantang dan pembetung yang cukup.
(k) Timbusan-timbusan tanah hendaklah dipadatkan.
(l) Laporan bergambar hendaklah dikemukakan oleh pemaju kepada Majlis setiap dua minggu mengenai aktiviti kerja tanah yang dijalankan serta permasalahan yang timbul dan tindakan segera mengatasinya di ambil di sepanjang tempoh kerja tanah tersebut dilaksanakan.
(m) Tiada pembukaan tertuka dibenarkan
(n) Permit menggunakan jalan Majlis bagi kerja-kerja mengangkut tanah dan bahan binaan hendaklah diperoleh dari pihak Majlis sebelum kerja tanah dimulakan.
(o) Keadaan persekitaran tapak kerja tanah perlu di kawal agar tidak berdebu dengan mengadakan teknik yang bersesuai seperti 'water sprinkler' ataupun menanam rumput secara tompok di 'platform' sesuaitu paras yang telah siap.
(p) Kerja tanah hanya boleh dijalankan pada masa-masa berikut :-
- ISNIN - SABTU : 9.00 a.m - 6.00 p.m
- AHAD DAN CUTI UMUM : CUTI

(q) Kerja tanah hendaklah diberhentikan SERTA-MERTA apabila kerajaan mengumumkan Index Pencemaran Udara mencecah 250 i.p.u. Pemaju hanya di benar mengadakan kerja-kerja yang melibatkan keselamatan dan yang melibatkan kestabilan struktur / profil tanah.
(r) Pihak pemaju hendaklah bertanggungjawab ke atas sebarang masalah yang timbul akibat dengan kerja tanah serta bertanggungjawab mengambil tindakan SEGERA mengatasi masalah tersebut.
(s) Kerja-kerja tanah akan dilaksanakan selaras dan mematuhi syarat-syarat yang ditetapkan di dalam Manual Saliran Mesra Alam Malaysia (MASMA)
(t) Tempoh masa di antara kerja pembukaan kawasan dan pembinaan hendaklah disingkatkan.
(u) Semua lori yang berisi muatan hendaklah ditutup dengan kanvas dan segala tayar hendaklah dibasuh dan dibersihkan sebelum masuk ke jalan awam semasa kerjakerja tanah berjalan.
(v) Segala tumbuh-tumbuhan rumput dan sebagainya hendaklah dialih sebelum tanah ditarah dan ditimbus.
(w) Semua sehingga yang ada di tapak perlu dpindah sebelum memulakan kerja.
(x) Semua kerjatanah hendaklah dibuat di dalam lot pemohon itu sendiri. Sekiranya kerja-kerja itu dicadangkan di lot yang bersebelahan, kebenaran bertulis daripada pemunya tanah itu mesiilah didapati dan dibuat di atas setiap set pelan kerjatanah.
(y) SALIRAN – Sungai / anak sungai / parit yang sedada hendaklah dibersihkan lodak dengan perbelanjaan pemunya sendiri kalau ia berlodak disebabkan oleh kerja-kerja tanah yang dicadangkan.

AM
SEMUA PELAN-PELAN, SPESIFIKASI DAN KIRAAN-KIRAAN HENDAKLAH MEMATUHI ARAHAN-ARAHAN BERIKUT :-

a. PENYIASATAN TAPAK
b. KERJA TANAH - BS 2003
c. ASAS TAPAK - BS 2004
d. CIVIL ENG. CODE OF PRACTISE NO. 2 EARTH RETAINING STRUCTURE - ISE. UK
e. ASAS DAN BINAGALAS BAGI BANGUNAN-BANGUNAN BUKAN PERINDUSTRIAN YANG TIDAK MELEBIHI 4 TINGKAT

1. Pemotongan cerun terdedah hendaklah tidak melebihi 11 dan penambakan cerun terdedah tidak melebihi 12

2. Sebarang pembinaan cerun hendaklah berada di dalam kawasan cadangan

3. Gunakan 'fully automatic wash trough - portable' bagi projek-projek yang dibina berhampiran / bersebelahan jalanraya sediada.

PETUNJUK :

64.894	EXISTING SPOT LEVEL
FRL 64.450	FINISH ROAD LEVEL 64.450m
FFL : 66.150	FINISH FLOOR LEVEL 66.150m
	PROPOSED TEMPORARY EARTHDRAIN
	PROPOSED TEMPORARY EARTH BANK
	PROPOSED CONSTRUCTION HOARDING
	BOUNDARY LINE AND SILT FENCE
	PROPOSED TEMPORARY CULVERT AND SUMP
	PROPOSED TEMPORARY SILT TRAP SILT TRAP 1 - 6m x 13.50 x 1.4m (H) SILT TRAP 2 - 2m x 17.50 x 0.8m (H)
	PROPOSED TEMPORARY WASH TROUGH WITH 'FULLY AUTOMATIC WASH TROUGH - PORTABLE

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

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Ar. Anuar B.Mohamed
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54200 Kuala Lumpur
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Email : dbnc2020@yahoo.com

TAJUK LUKISAN

KERJATANAH

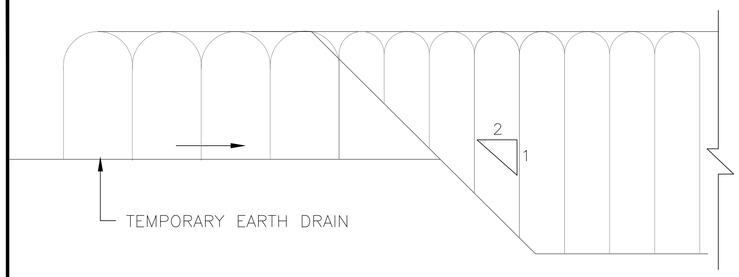
PELAN KERJA PERPARITAN SEMENTARA

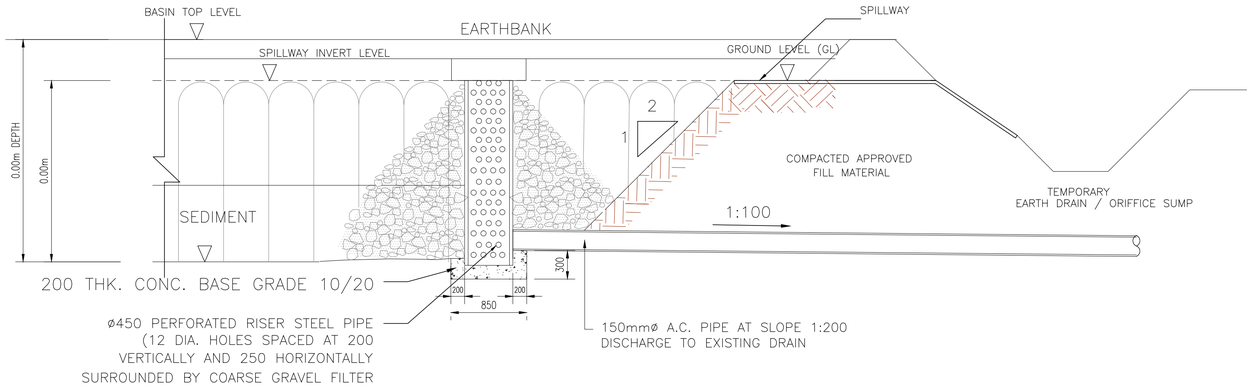
SKALA
1 : 300

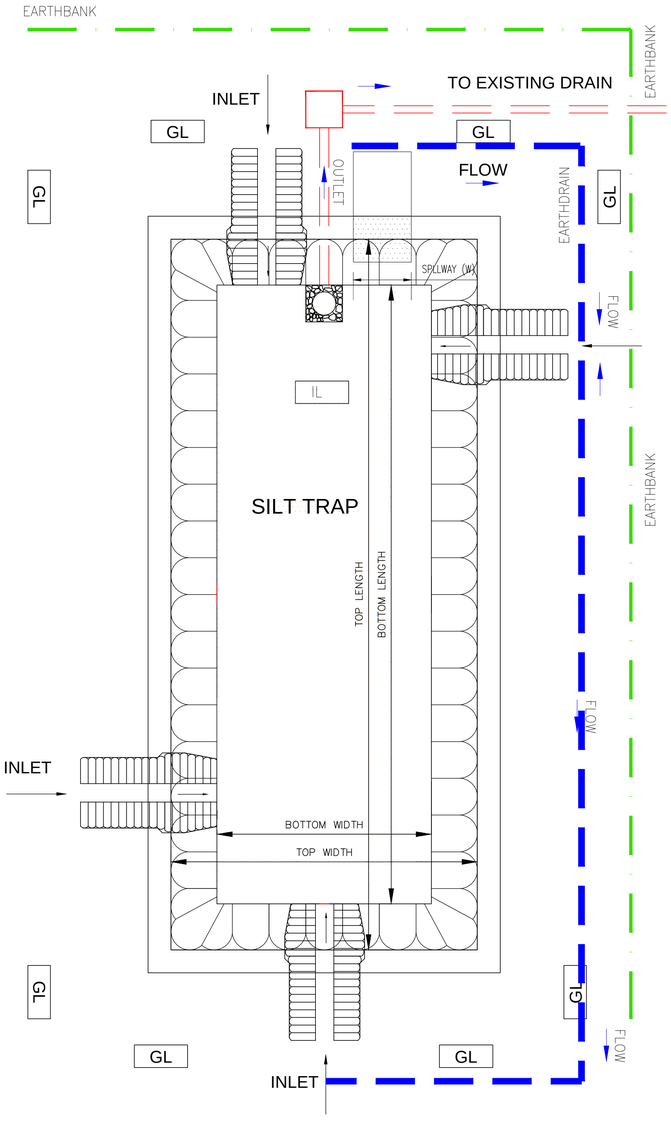
TARIKH
JAN 2026

NO LUKISAN
SSDC 169 - C/E100 - 1

Dokumen Meja Terkawal







PLAN OF SADIMENT TRAP 1 /BASIN

NOT TO SCALE

SECTION LENGTH

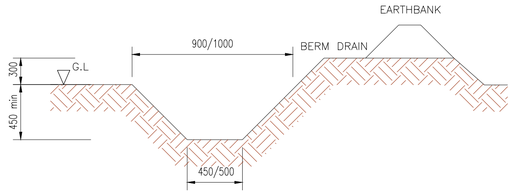
NOT TO SCALE

SADIMENT BASIN	SB 1	SB 2
TOP WIDTH (m)	6.00	2.00
BOTTOM WIDTH (m)	2.00	–
TOP LENGTH (m)	13.50	7.00
BOTTOM LENGTH (m)	9.50	15.00
SPILLWAY CREST WIDTH (m)	0.45	0.30
HEIGHTS OF SPILLWAY, HP (m)	0.20	0.20
BASIN SIDE SLOPE	2(H):1(V)	2(H):1(V)
ALLOWABLE FREEBOARDS, F/B (m)	–	–
BASIN TOP LEVEL – EARTHBANK (m)	62.43	63.83
SPILLWAY TOP LEVEL (m)	62.43	63.83
SPILLWAY INVERT LEVEL (m)	62.23	63.63
SEDIMENT STORAGE ZONE HEIGHT (m)–Y2	0.80	0.40
SEDIMENT SETTLING ZONE HEIGHT (m)–Y1	0.40	0.20

SILT TRAP 1 = 6m x 13.50m = 81m2 > 53.58m2

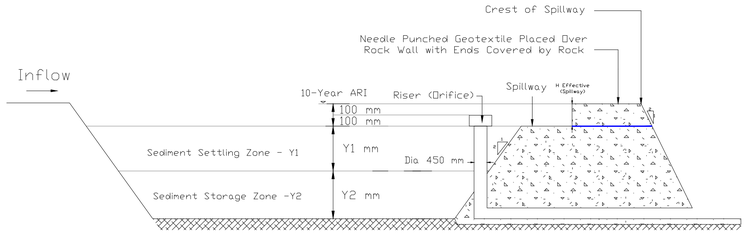
SILT TRAP 2 = 2m x 17.00m = 34m2 > 71.00m2

DESIGN CRITERIA	SB 1	SB 2
SITE CATCHMENT AREA (Ha)	0.2694	0.073
SEDIMENT BASIN TYPE	DRY	WET
EARTHWORK CONSTRUCTION PERIOD (FILL)	6 MONTH	6 MONTH
MIN VOLUME REQUIRED (m3)	64.66	10.66
SURFACE AREA REQUIRED (m2)	53.88	7.11
AVERAGE SURFACE AREA (m2)	81.00	34.00
SETTLING ZONE, V1 (m3)	32.33	5.33
SEDIMENT STORAGE ZONE, V2 (m3)	21.33	1.78



TYPICAL CROSS SECTION OF TEMPORARY EARTH DRAIN

NOT TO SCALE



PENGESAHAN JURUTERA

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TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

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Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

KERJA TANAH
KAWALAN HAKISAN KELODAK (ESCP)
SILT TRAP AND TEMPORARY EARTH DRAIN DETAIL

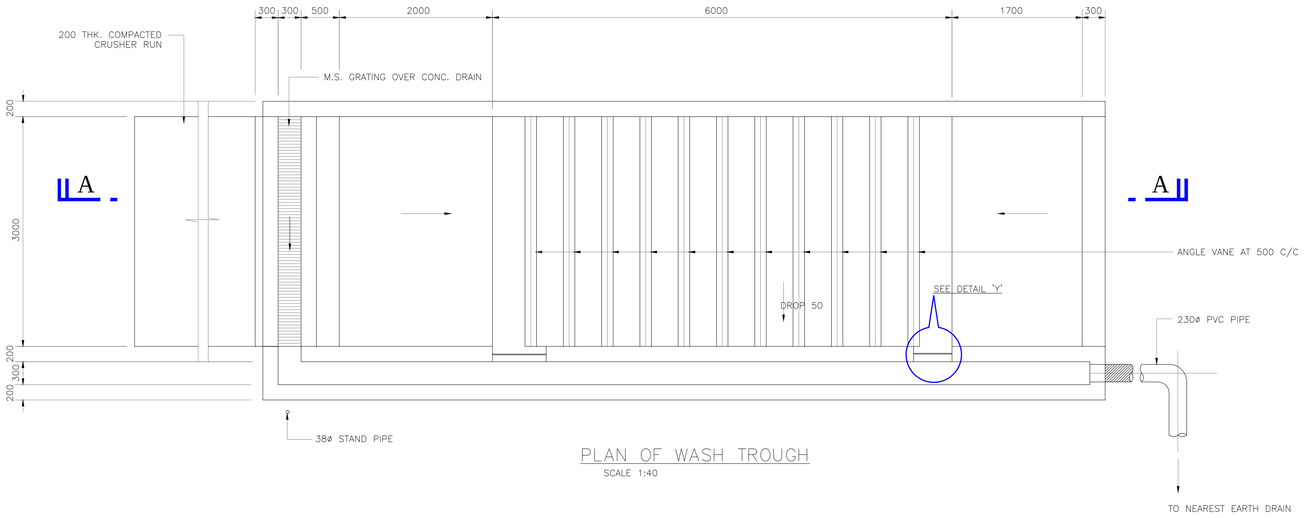
SKALA: TERTERA

TARIKH: JAN 2026

NO LUKISAN

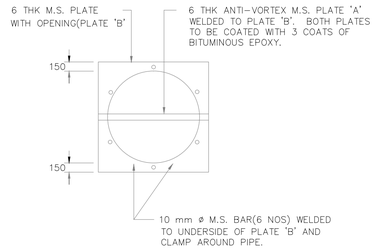
SSDC169-C/E102

Dokumen Meja Terkawal



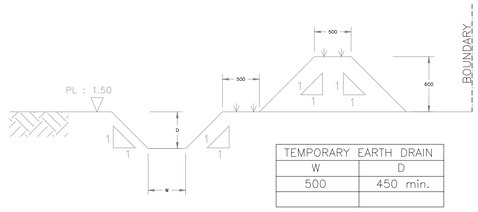
PLAN OF WASH TROUGH

SCALE 1:40



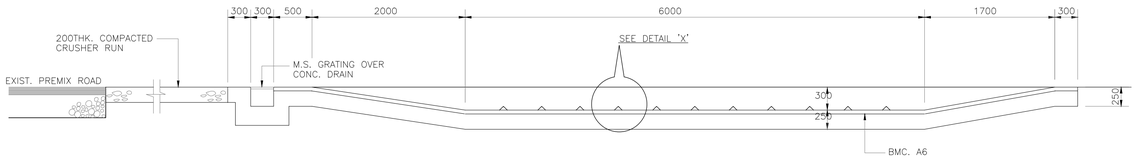
TOP VIEW OF PIPE RISER

SCALE 1:50



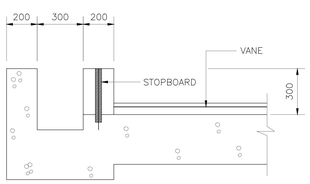
TEMPORARY EARTH DRAIN	
W	D
500	450 min.

TYPICAL CROSS SECTION OF TEMPORARY EARTH DRAIN WITH BUND/EARTH BANK



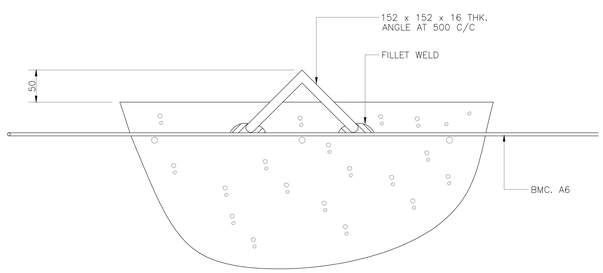
SECTION A-A

SCALE 1:40



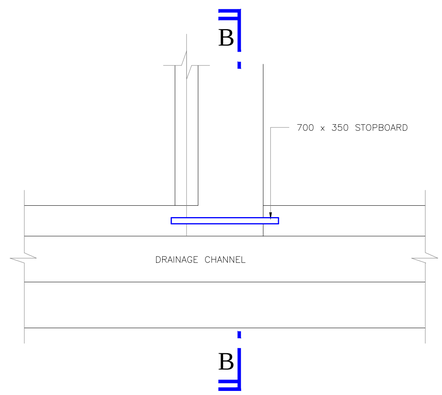
SECTION B-B

SCALE 1:20



DETAIL 'X'

SCALE 1:5



DETAIL 'Y'

SCALE 1:20

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SS DESIGN CONSULT

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TAJUK LUKISAN

KERJA TANAH

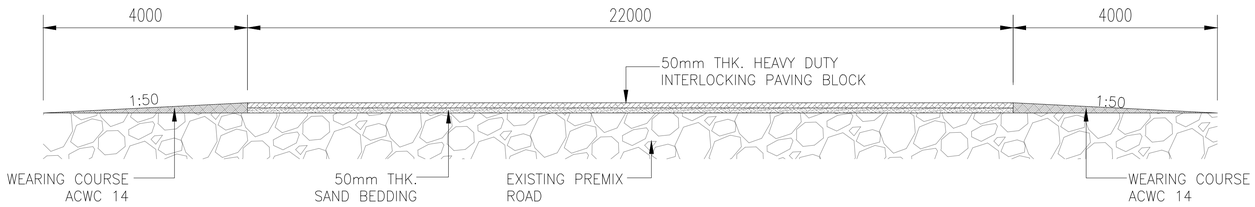
WASH TROUGH DETAILS

SKALA	TARIKH
TERTERA	JAN 2026

NO LUKISAN

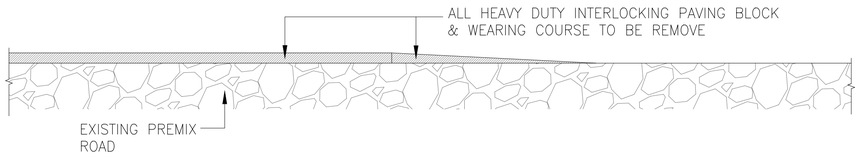
SSDC169-C/E103

Dokumen Meja Terkawal

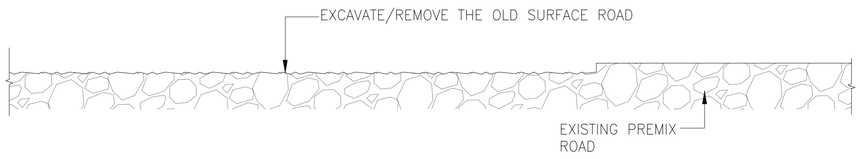


DETAIL OF INTERLOCKING PAVING BLOCK

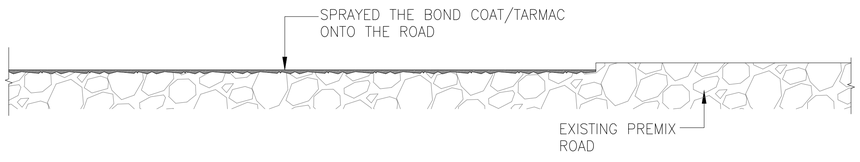
SCALE 1 : 60



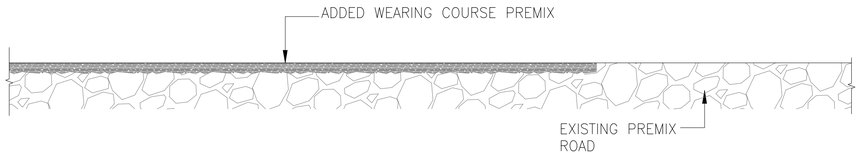
1. ALL THE INTERLOCKING PAVING BLOCK & WEARING COURSE AREA SHALL BE REMOVE



2. 100mm THK. OLD SURFACE ROAD SHALL BE REMOVE (ALL INTERLOCKING PAVING AREA)



3. BOND COAT/TARMAC SHALL BE SPRAY FOR 1 LAYER ONTO THE EXCAVATE ROAD



4. A) ADDED THE NEW SURFACE ROAD/WEARING COURSE (ACWC 14) WHICH IS THEN COMPACTED TO MAKE IT STRONGER.
   B) MATCH THE SURFACE HEIGHT TO EXISTING LEVEL SURROUNDING ROAD.

TYPICAL DETAIL OF RESURFACE ROAD.

SCALE 1 : 60

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TAJUK LUKISAN

KERJA TANAH

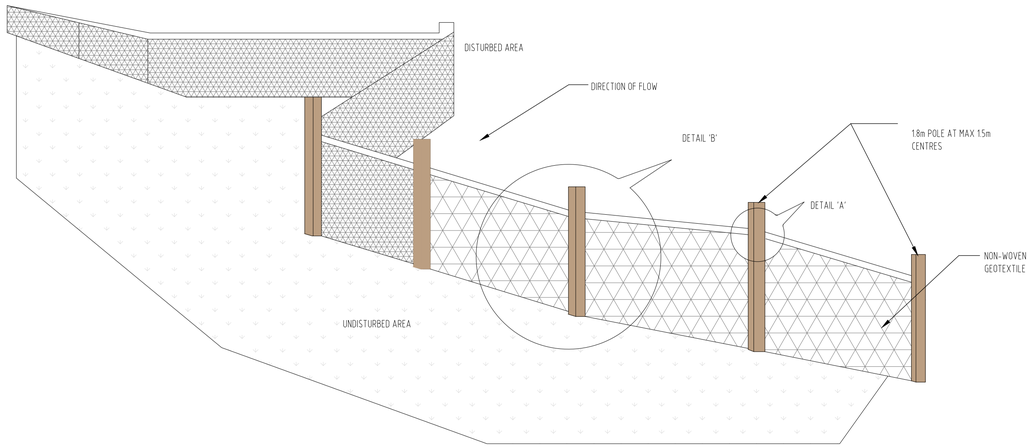
TEMPORARY HEAVY DUTY INTERLOCKING PAVER

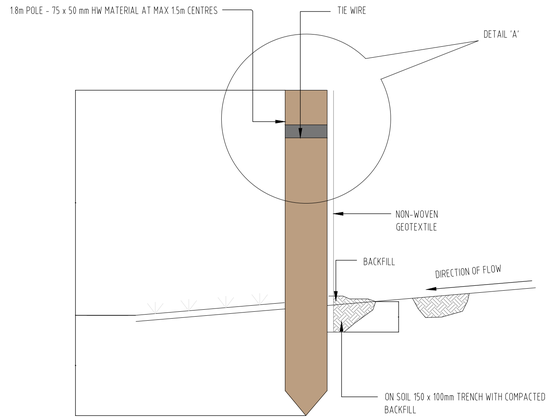
SKALA	TARIKH
TERTERA	JAN 2026

NO LUKISAN

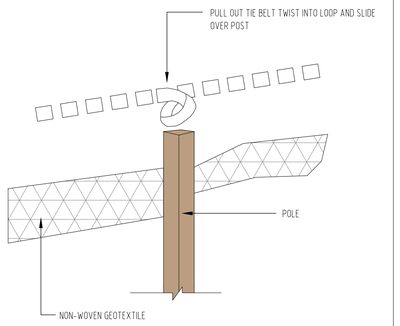
SSDC169-C/E104

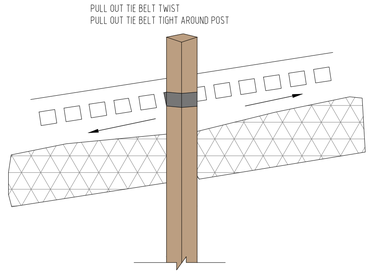
Dokumen Meja Terkawal





DETAIL 'B'





DETAIL 'A'

CONSTRUCTION NOTES:

1. CONSTRUCT SEDIMENT FENCE AS CLOSE AS POSSIBLE, PARALLEL TO THE CONTOURS OF THE SITE WITH A SETBACK OF AT LEAST 0.9 M [3 FT] FROM THE TOE OFF THE SLOPE.
2. DRIVE 1.8 METRE LONG POLE INTO GROUND, 1.5 METRES APART.
3. DIG A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRANCED.
4. BACKFILL TRENCH OVER BASE OF FABRIC (NON-WOVEN GEOTEXTILE).
5. FIX SEDIMENT FENCE TO UPSLOPE SIDE POSTS WITH WIRE TIES OR AS RECOMENDED BY GEOTEXTILE MANUFACTURER.
6. JOINT SECTION OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
7. REFERENCE URBAN STORE WATER MANAGEMENT MANUAL FOR MALAYSIA.

SEMASA PEMASANGAN SILT FENCE:

1. DIPANTAU SELEPAS HUJAN DAN DISELENGGARA APABILA SEDIMEN BERKUMPUL PADA ARAS 2/3 DARI KETINGGIAN SILT FENCE.
2. DIBINA SELARI DENGAN KONTUR DITAPAK DENGAN SETBACK SEKURANG-KURANGNYA 0.9M (3 KAKI) DARI KAKI CERUN.
3. DIBINA DENGAN KAYU SEBAGAI TIANG BERKETINGGIAN 1800mm DENGAN JARAK TIANG 1500mm ANTARA SATU DENGAN LAIN.
4. FABRIK SILT FENCE PERLU DITANAM 150mm KEDALAM TANAH (KAEDAH : TRENCH WITH COMPACTED BACKFILL).

RUJUKAN : ARAHAN TEKNIK (JALAN) 16/03 - PINDAAN 2015

PENGESAHAN JURUTERA

A. "The Finished Level Of The Proposed Roads And Platform Levels are Such That They Will Permit Connection Of Roads To Adjoining Existing Or Future Road ."

B. No ponding will occur as a result of the proposed earthworks

C. No encroachment into adjacent lot will occur.

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

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KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

PEMILIK / TANDATANGAN PENGUASA PROJEK :

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TIMBALAN PENGARAH
JABATAN KEJURUTERAAN
MAJLIS BANDARAYA PETALING JAYA

PERUNDING ARKITEK :

Arkitek Sdn. Bhd.
D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya,
47301 Petaling Jaya, Selangor. Tel:03-78875353 Fax:03-78878844

LEMBAGA ARKITEK MALAYSIA

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ARKITEK
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PERUNDING C&S :

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54200 Kuala Lumpur.
Tel : 03-42654880
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Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

KERJA TANAH

SILT FENCE

SKALA
TERTERA

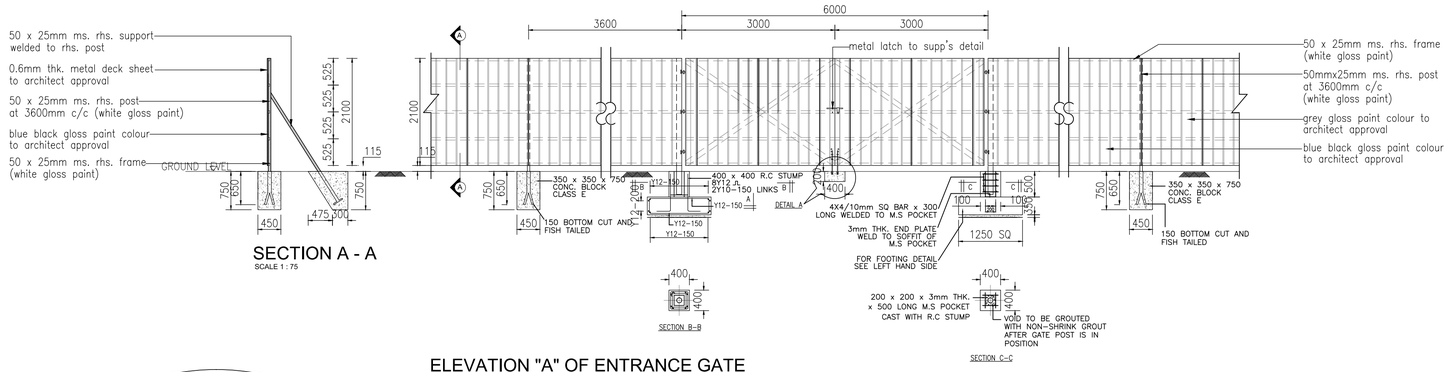
TARIKH
JAN 2026

NO LUKISAN

SSDC169-C/E105

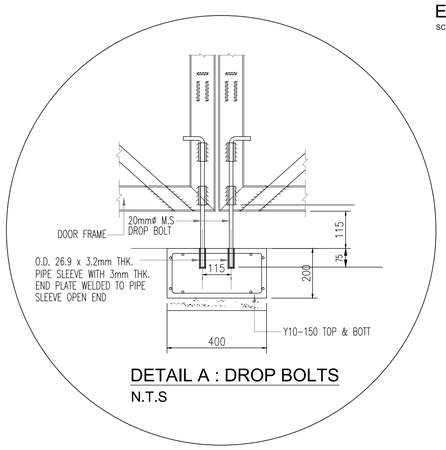
Dokumen Meja Terkawal

HOARDING

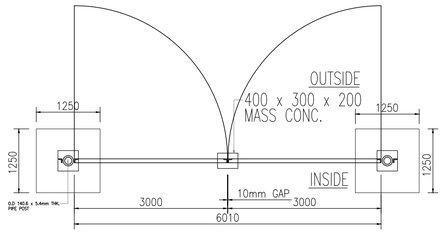


SECTION A - A
SCALE 1 : 75

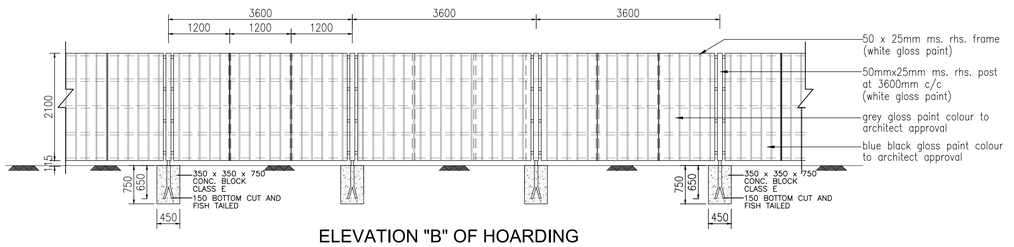
ELEVATION "A" OF ENTRANCE GATE
SCALE 1 : 75



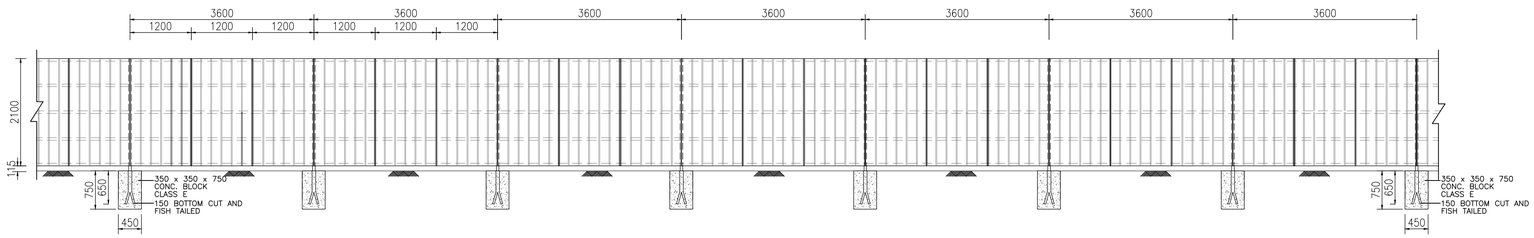
DETAIL A : DROP BOLTS
N.T.S



PLAN OF GATE
SCALE 1:75



ELEVATION "B" OF HOARDING
SCALE 1 : 75



ELEVATION "C" OF HOARDING
SCALE 1 : 75

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TENDER DRAWING
SS DESIGN CONSULT

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JABATAN KEJURUTERAAN
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PERUNDING ARKITEK :

ARCA 3
Arkitek Sdn. Bhd.
D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya, 47301 Petaling Jaya, Selangor. Tel:03-78875353 Fax:03-78878644

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54200 Kuala Lumpur
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

KERJA TANAH

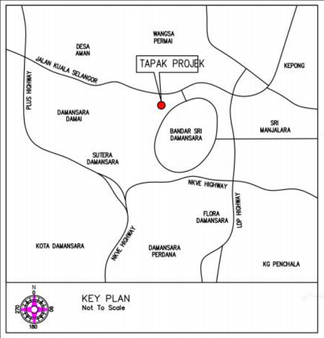
HOARDING - ELEVATION A, B & C

SKALA
TERTERA

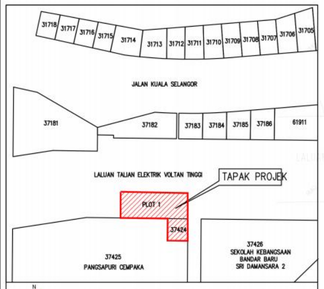
TARIKH
JAN 2026

NO LUKISAN

SSDC169-C/E106



KEY PLAN
Not To Scale

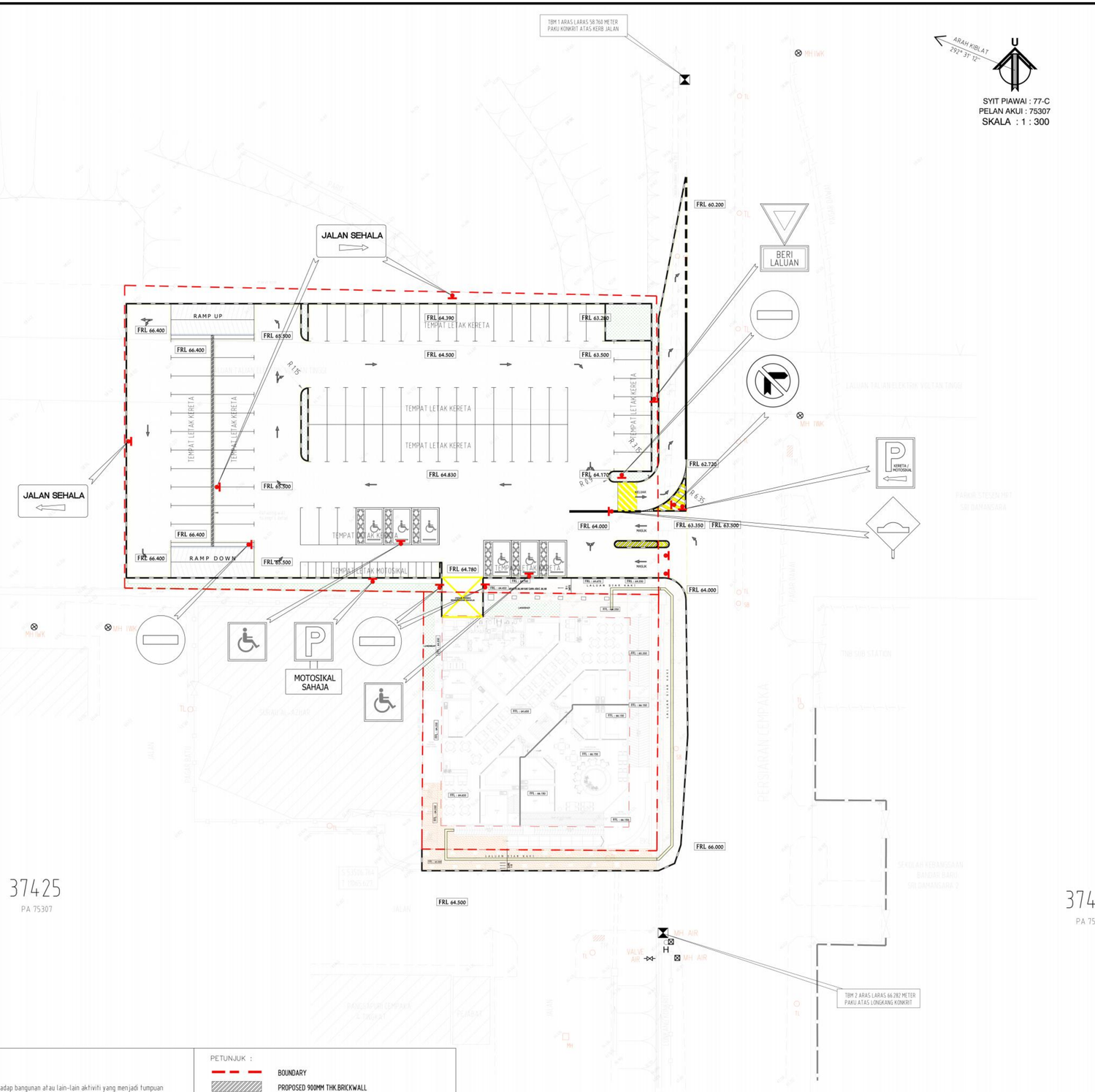


LOCATION PLAN
Not To Scale

NOTA SURVEY :

1. Datum kerja pengukuran berpandukan dari PA 75307
2. Datum asas koordinat adalah GDM2000 Cassini Soldner.
3. Semua aras laras berpandukan dari TBM 1 RL : 58.760 meter paku konkrit atas kerb jalan.

BKL○	Batu Konktir Lama		Longkang Konkrit
pk○	Paku Konkrit		Longkang Konkrit Bawah
	Cerun		Sump Longkang
	Tanda Aras Sementara	IL	Aras Dalam
○TL	Tiang Lampu		Arah Aliran Air
	Pagar Batu		Jalan Tar
	Guard Rail	MH TWK	Manhole Kumbahan Sediada



LALUAN PERJALAN KAKI

a) Laluan pejalan kaki hendaklah berkesinambungan dan tidak terhalang oleh sebarang struktur seperti tiang lampu, pokok, bollards atau objek lain.
b) Menyediakan laluan pejalan kaki yang boleh dilihat secara terus dari premis berhampiran dan tidak terhalang oleh sebarang struktur.
c) Menyediakan elemen pemisah antara laluan pejalan kaki dengan laluan bermotor:-
• Spesifikasi rel penghadang 'Anti-Climb Fence' dengan ketinggian 1 meter / Landskap 'shrub'.
• Panjang panel rel penghadang ialah 6m-9m (20'-30'), bergantung kepada kesesuaian reka.
• Anjakan antara rel penghadang adalah 0.9m (3').
• Rel penghadang diletakkan pada jarak 0.3m (1') dari kerb jalan
d) Menyediakan pencahayaan di ruang yang gelap di sepanjang jalan dan laluan pejalan kaki pada jarak dan ketinggian yang sesuai.

TEMPAT LETAK KERETA

a) Tempat letak kereta perlu direkabentuk supaya dapat dilihat dari jalan dan bangunan berhampiran di samping mendapat pencahayaan semulajadi secara optimum pada waktu siang.
b) Tempat letak kereta perlu diletakkan dalam jarak mudah sampai ke premis berdekatan bagi membolehkan pengawasan semulajadi yang jelas di samping memberi keselesaan kepada pengguna.
c) Tempat letak kereta berpusat perlu menghadap bangunan atau lain-lain aktiviti yang menjadi tumpuan orang awam.
d) Penyediaan laluan pejalan kaki yang khusus di tempat letak kereta.
e) Tempat letak kereta perlu mempunyai pencahayaan yang terang pada waktu malam.

TEMPAT LETAK MOTOSIKAL BERKUNCI

a) Tempat Letak Motosikal Berkunci perlu disediakan dikawasan yang mudah dilihat, laluan tumpuan utama dan tidak tersorok.
c) Menyediakan kemudahan berkunci mengikut spesifikasi MBPJ.
d) Menyediakan papan tanda makluman keselamatan motosikal mengikut spesifikasi MBPJ.
• No. Tel. PDRM & Pejabat Pengurusan
• Cara penggunaan besi pengunci
f) Tempat Letak Motosikal Berkunci perlu mempunyai pencahayaan yang terang pada waktu malam.

PENGCAHAYAAN

a) Pencahayaan disediakan di lorong belakang, tepi, hadapan bangunan, tempat letak kenderaan, laluan pejalan kaki.

PETUNJUK :

	BOUNDARY
	PROPOSED 900MM THK.BRICKWALL
	PROPOSED PREMIX ROAD
	PROPOSED CONCRETE READY MIX GRED 30 BROOM FINISH
	PROPOSED CLOSED TURFING
	PROPOSED ROAD SIGNAGES TO DETAIL
FRL 64.000	PROPOSED FINISHED ROAD LEVEL 64.000 METER
FFL 64.650	PROPOSED FINISHED FLOOR LEVEL 64.650 METER

NOTES:

1. ALL DIMENSIONS ARE IN METRIC UNIT.
2. ALL WORKS SHALL BE DONE IN ACCORDANCE TO DETAILS SPECIFICATION AND CONFIRMED BY THE CLIENT/ENGINEER.
3. ALL ROAD SIGNAGES SHOULD COMPLY TO JKR SPECIFICATIONS.
4. ALL ROAD MARKING SHOULD USE THERMOPLASTIC PAINT.

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :
Dokumen Meja Terkawal

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Email : dbnc2020@yahoo.com

TAJUK LUKISAN

ROAD LAYOUT, ROAD MARKING AND ROAD SIGNAGES

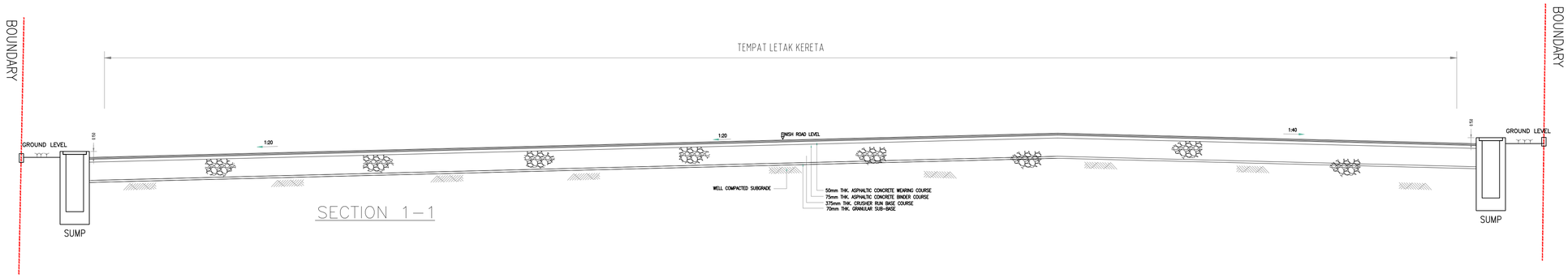
LAYOUT PLAN

SKALA	TARIKH
1:300	JAN 2026

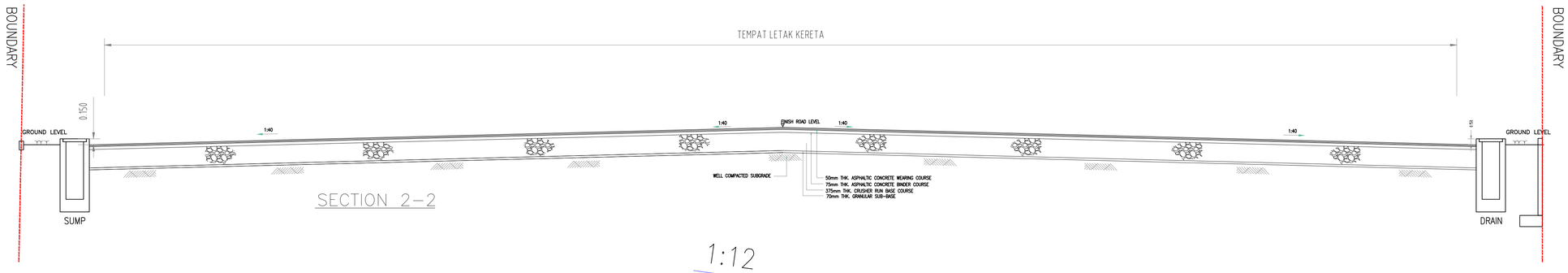
NO LUKISAN

SSDC169-C/R200

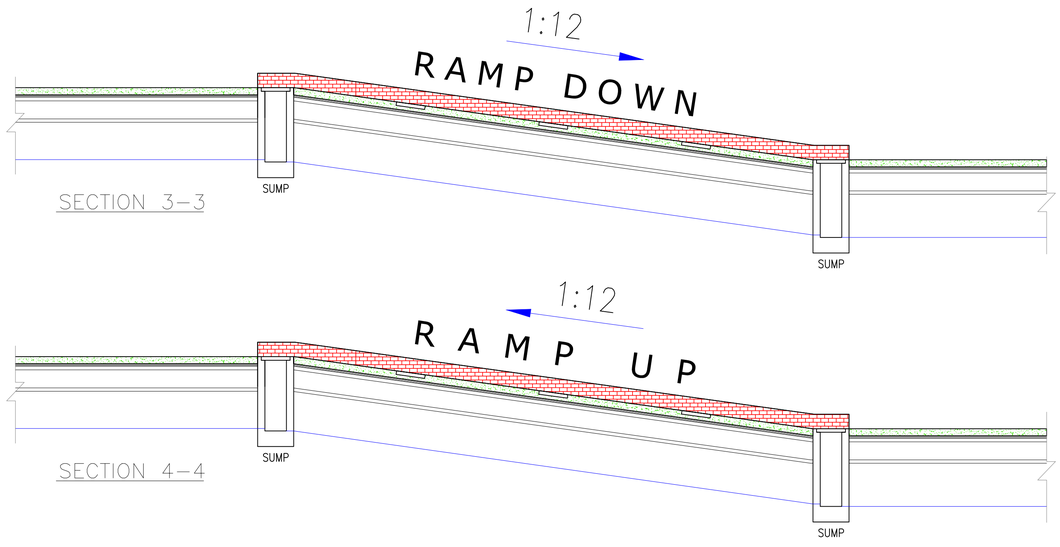
Dokumen Meja Terkawal



SECTION 1–1



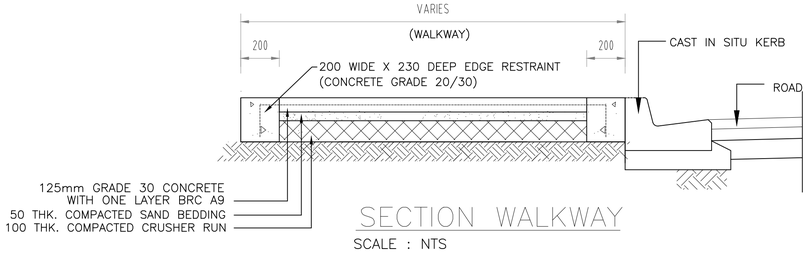
SECTION 2–2



SECTION 3–3

SECTION 4–4





SECTION WALKWAY

SCALE : NTS

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

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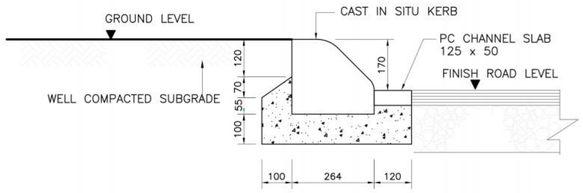
JALAN DAN PERPARITAN

SECTION ROAD AND DETAIL

SKALA
TERTERA

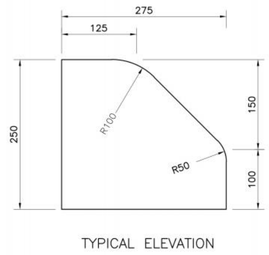
TARIKH
JAN 2026

NO LUKISAN
SSDC169-C/R201



BED AND HAUNCH FOR KERBS ONLY

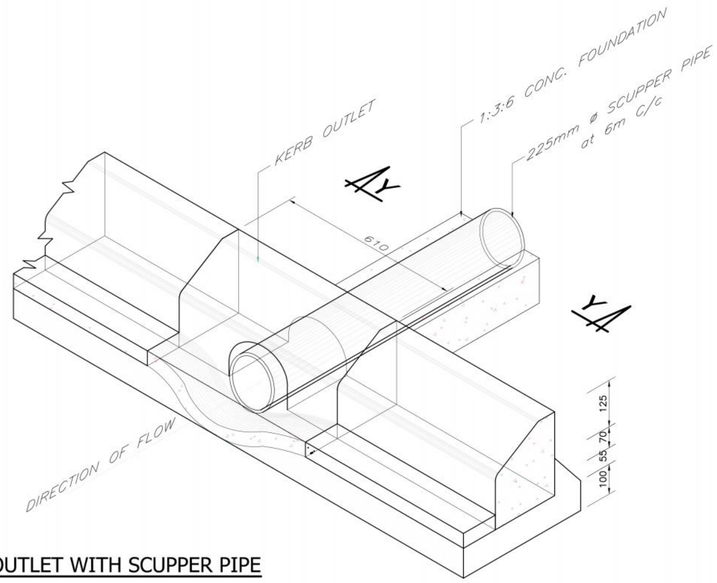
SCALE 1:10



TYPICAL ELEVATION

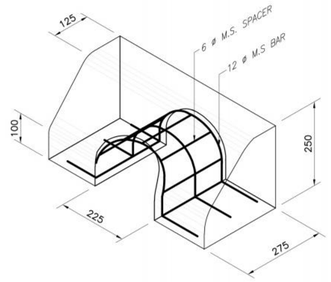
KERB SEMI MOUNTABLE
(CAST IN-SITU)

SCALE 1 : 5



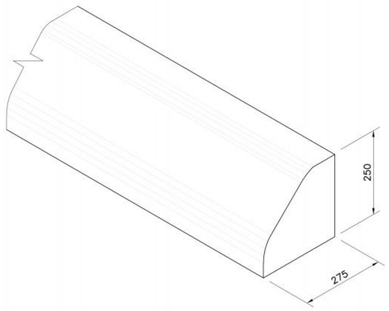
KERB OUTLET WITH SCUPPER PIPE
(SCUPPER DRAIN)

SCALE 1:100



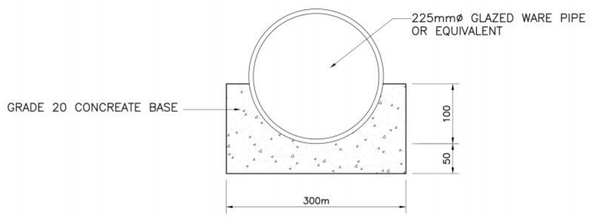
STRAIGHT KERB WITH INLET OPENING
(CAST IN-SITU)

SCALE 1:10



ISOMETRIC VIEW OF STRAIGHT KERB
(CAST IN-SITU)

SCALE 1:10



SECTION Y - Y

SCALE 1 : 5

NOTE:-

ALL SCUPPER DRAIN SHOULD BE PROVIDED
AT EVERY 3m APART OR TO SUIT WITH SITE CONDITION

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :
Dokumen Meja Terkawal

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

PEMILIK / TANDATANGAN PENGUASA PROJEK :

Ir. Ts. AHMAD ROSLAN BIN HAIRUDIN A.I.S
TIMBALAN PENGARAH
JABATAN KEJURUTERAAN
MAJLIS BANDARAYA PETALING JAYA

PERUNDING ARKITEK :

ARCA▾3
Arkitek Sdn. Bhd.
D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya,
47301 Petaling Jaya, Selangor. Tel:03-78875353 Fax:03-78878844

LEMBAGA ARKITEK MALAYSIA

Ar. Anuar B. Mohamed
ARKITEK
No. Pendaftaran LAM : A/A 29

"Saya memperakui bahawa perinci-perinci dalam pelan-pelan ini adalah menurut kehendak-kehendak Undang-undang Kecil Bangunan Seragam Selangor 1986 dan saya setuju terima tanggungjawab dengan sewajarnya"

PERUNDING C&S :

SS DESIGN CONSULT (001490635-T)
No. 20-1F, Jalan AU 1A/4A,
Taman Keramat Permai,
54200 Kuala Lumpur.
Tel : 03-42654880
Email : ssdesignconsult@yahoo.com

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PERUNDING QS :

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5-6-5 Wisma Prima Peninsula,
Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

JALAN DAN PERPARITAN

DETAIL OF EXTRUDED KERB

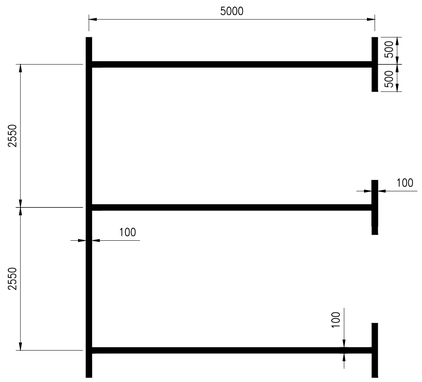
SKALA: AS SHOWN

TARIKH: JAN 2026

NO LUKISAN

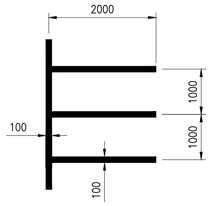
SSDC169-C/R202

Dokumen Meja Terkawal



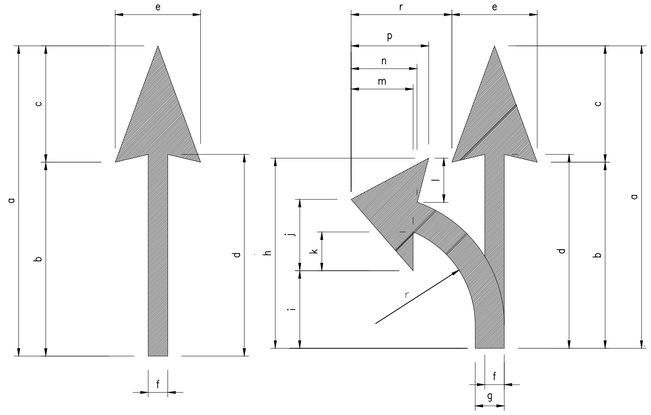
PERPENDICULAR PARKING

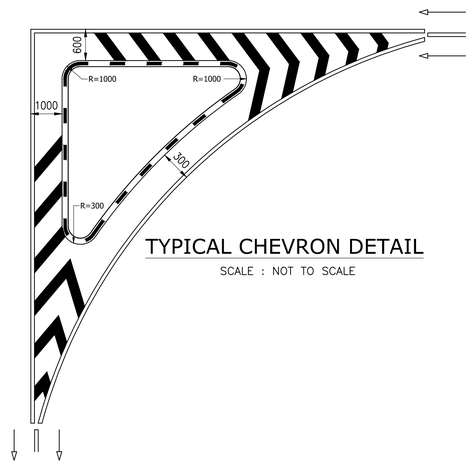
NOT TO SCALE



MOTOR CYCLE PARKING

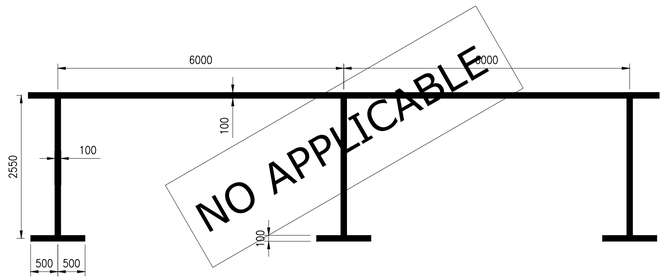
NOT TO SCALE





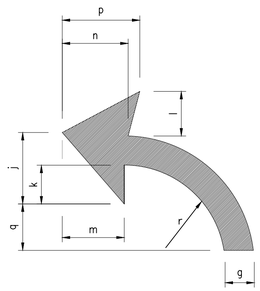
TYPICAL CHEVRON DETAIL

SCALE : NOT TO SCALE



PARALLEL PARKING

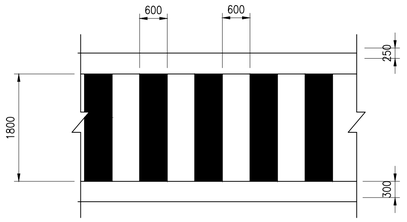
NOT TO SCALE



	MINOR ROAD
a	3 000
b	1 000
c	1 125
d	1 950
e	825
f	185
g	280
h	1 835
i	750
j	690
k	375
l	430
m	600
n	837.5
p	750
q	450
r	975
s	1 500

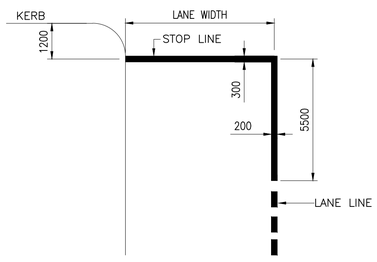
PAVEMENT DIRECTION ARROWS

NOT TO SCALE

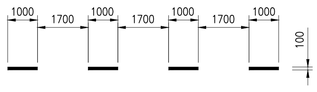


PEDESTRIAN CROSSING (ZEBRA)

SCALE 1 : 50

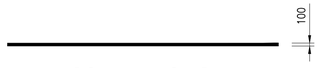


STOP LINE



CENTRE LINE

SCALE : 1:100



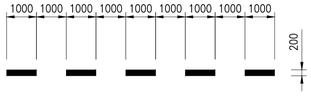
CONTINUOUS LINE

SCALE : 1:100



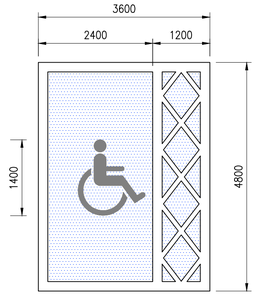
EDGE LINE

SCALE : 1:100



CONTINUITY LINE

SCALE : 1:100



OKU PARKING

NOT TO SCALE

SIMBOL DAN GARISAN SEMPADAN DI CAT THERMOPLASTIC WARNA PUTIH DI ATAS LATARBELAKANG WARNA BIRU

NOTES :

1. CONTINUITY LINE (S=1m Q=1m W=150mm)
2. GIVE – WAY LINE (S=300mm Q=300mm W=200mm)
3. LANE LINE MARKINGS
4. CHANNELISING LINE (CONTINUOUS 200mm WIDTH)
5. EDGE LINE (W=100mm)
6. STOP LINE (CONTINUOUS 300mm WIDTH)
7. DOUBLE CONTINUOUS LINE (W=100mm PER LINE)
8. CHEVRON HATCHING / CROSS HATCHING
9. PARKING LINE (W=100mm)
10. SINGLE CONTINUOUS LINE (W=100mm)
11. ALL ROAD MARKINGS MUST BE USING 'THERMOPLASTIC' PAINT.
12. APPLICATION PRINCIPLES OF ROAD MARKINGS DEFINED IN JKR. ARAHAN TEKNIK (JALAN) 2D/85.

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

TAJUK PROJEK :

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PERUNDING C&S :

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No. 20–1F, Jalan AU 1A/4A,
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54200 Kuala Lumpur.
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Email : ssdesignconsult@yahoo.com

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Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur
Tel : 03–4252 2780 Fax : 03–4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

JALAN DAN PERPARITAN

DETAIL OF ROAD MARKING

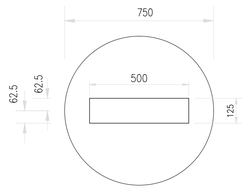
SKALA: TERTERA

TARIKH: JAN 2026

NO LUKISAN

SSDC169-C/R203

Dokumen Meja Terkawal



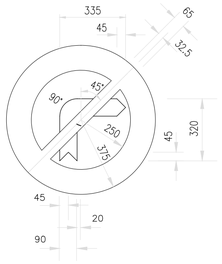
① NO ENTRY FOR ANY VEHICLE

COLOUR:

BACKGROUND – RED
SYMBOL – WHITE



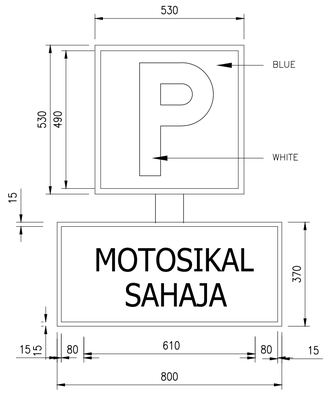
② ONE WAY STREET



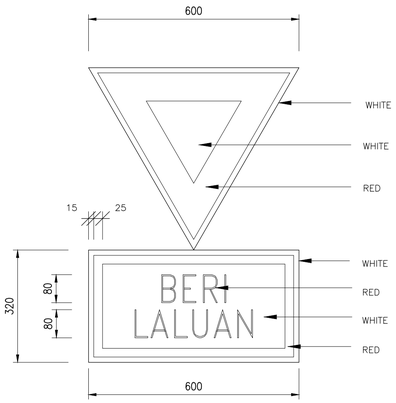
③ NO RIGHT TURN

COLOUR:

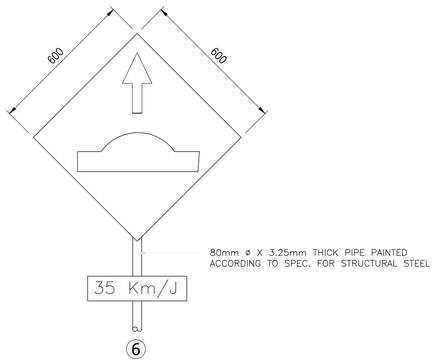
BACKGROUND – WHITE
SYMBOL – BLACK
BORDER – RED
DIAGONAL – RED



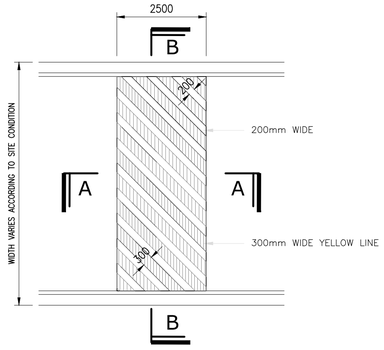
④ MOTORCYCLE PARKING



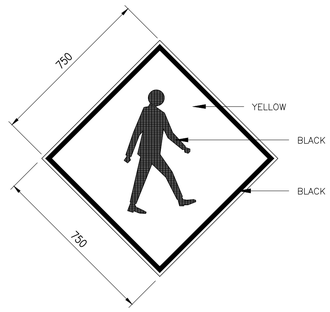
⑤ GIVE WAY



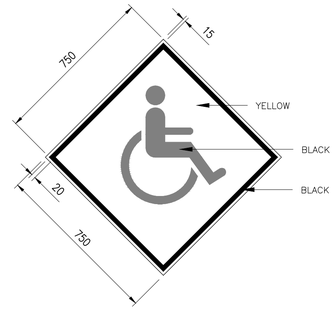
⑥ HUMP SINGBOARD DETAIL



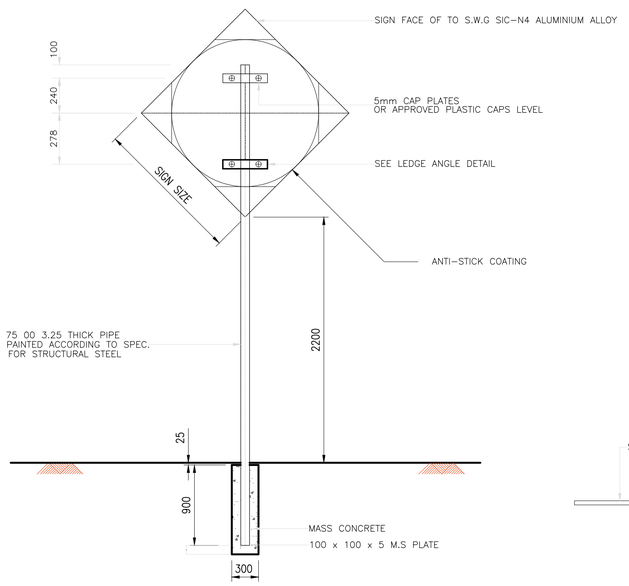
PLAN OF HUMP



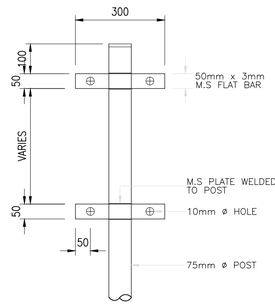
⑦ PEDESTRIAN CROSSING



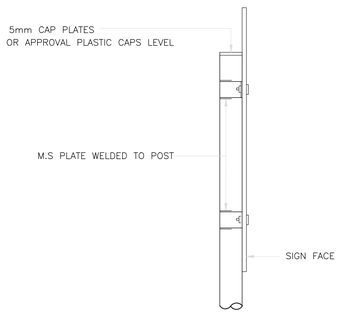
⑧ CROSSING FOR DISABLED PEOPLE



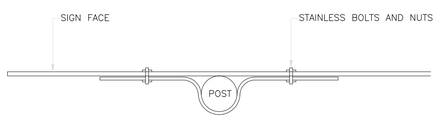
ELEVATION (SINGLE POST)
NTS



FRONT
1 : 10



SIDE ELEVATION
NTS



PLAN
NTS

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DRAWING OF ROAD SIGNS AND THE DRAWINGS LISTED THERE OF.
2. ALL CONCRETE TO BE GRADE 20/20. SULPHATE RESISTING CEMENT TO BE USED AS DIRECTED BY THE S.O
3. SIGN BOARDS ARE TO BE FABRICATED FROM 10 S.W.G ALUMINIUM SHEETS OF ALLOY SIC–H4 AND ANGLES OF ALLOY HE9–TE
4. JOINTS BETWEEN ANGLES OF BACKING FRAMES ARE TO BE TO THE APPROVAL OF THE ENGINEER. IF WELDED, THE WELDS ARE TO BE FILLET WELDS OF THE FOLLOWING SIZES AND LENGTHS
5. ALUMINIUM SHEETS ARE TO BE RIVETED TO THE BACKING FRAMES WITH 4.8mm ø TUCKER ALUMINIUM POP RIVETS (OR SIMILAR APPROVED) THE PITCH OF THE RIVETS IS TO BE 150mm. AROUND THE EDGE OF ALL SHEETS AND 205mm ELSEWHERE
6. NUTS,BOLTS,U–BOLTS AND WASHERS ARE TO BE 8mm TO 10mm ø AND OF STAINLESS STEEL CLIPS. FOR 76mm ø POST OF PURLINS ARE TO BE OF STAINLESS STEEL. ANCHOR PLATES,LEDGE ANGLE ETC. ARE TO BE M.S PREFERABLE PLASTIC COATED. IF PAINTED, "TUFNOL" GASKET ARE TO BE PROVIDED BETWEEN FITTING AND SIGNBOARDS
7. EXCEPT WHERE OTHERWISE SHOWN, BOLT HOLES IN STEEL OR ALUMINIUM ARE TO BE 2mm OR 1mm. GREATER IN DIA. THAN THE BOLTS RESPECTIVELY. SLOTTED HOLES WILL NOT BE PRIMITTED IN BACKING FRAME ANGLES. HOLES FOR POP RIVETS ARE TO BE IN ACCORDANCE WITH THE RIVETS MANUFACTURE RECOMENDATIONS
8. WASHER ARE TO BE PROVIDED UNDER ALL NUTS AND BOLTS HEADS
9. ALL SIGNAGE AND POST SHALL BE OF HIGH INTENSITY REFLECTION SHEETING FINISH.
10. ALL SIGNAGE AND POST MUST USING ANTI–STICK COATING

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

TAJUK PROJEK :

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D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya, 47301 Petaling Jaya, Selangor. Tel:03-78875353 Fax:03-78878844

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PERUNDING C&S :

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No. 20–1F, Jalan AU 1A/4A,
Taman Keramat Permai,
54200 Kuala Lumpur.
Tel : 03-42654880
Email : ssdesignconsult@yahoo.com

PERUNDING M&E :

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Mechanical & Electrical Consulting Engineers
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PERUNDING QS :

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5–6–5 Wisma Prima Peninsula,
Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

JALAN DAN PERPARITAN

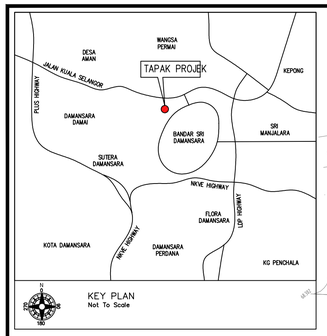
DETAILS OF ROAD SIGNAGE AND HUMP

SKALA: AS SHOWN
TARIKH: JAN 2026

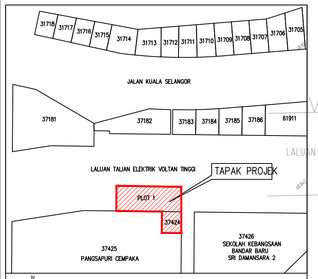
NO LUKISAN

SSDC169-C/R204

Dokumen Meja Terkawal



KEY PLAN
Not To Scale

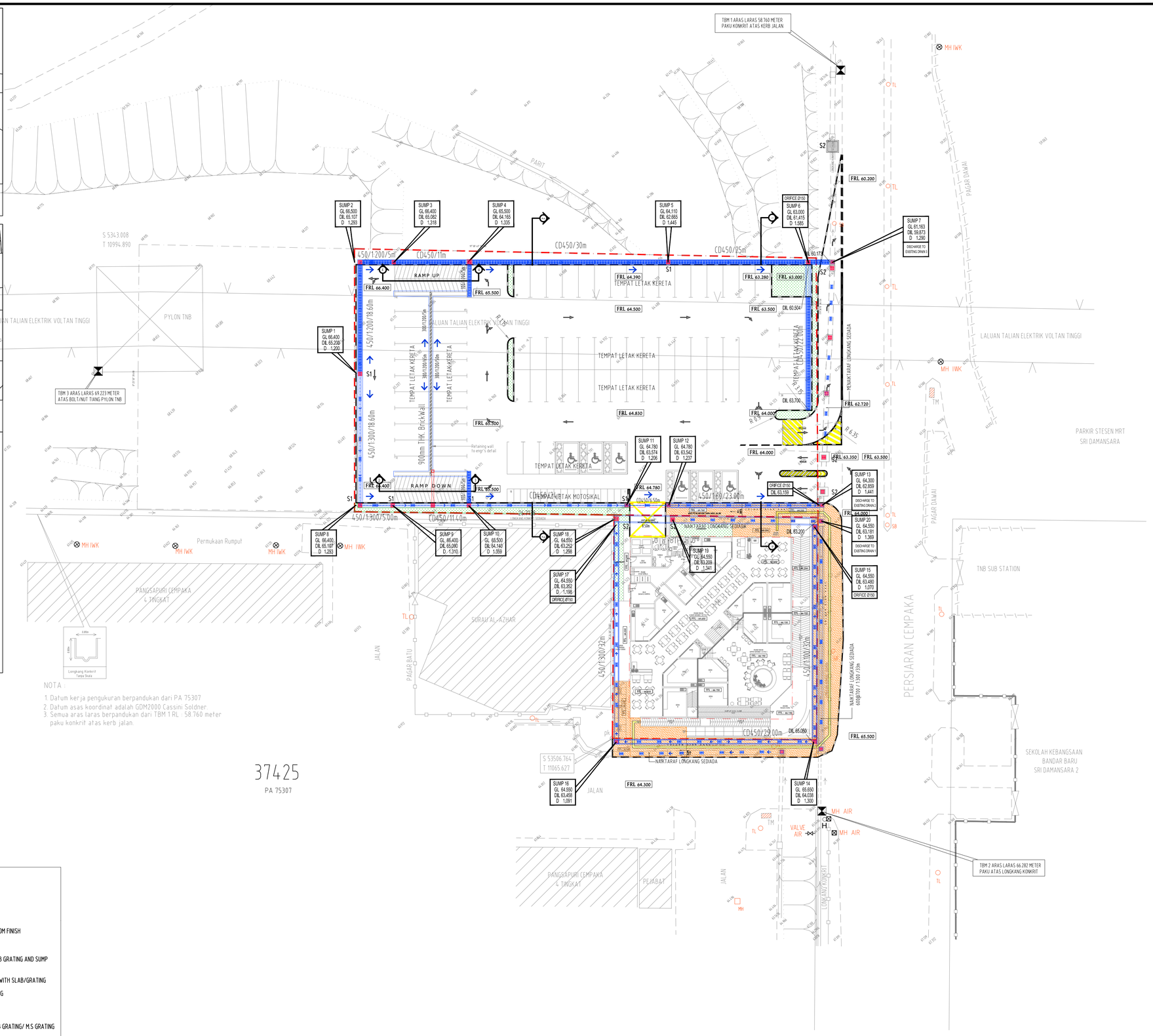


LOCATION PLAN
Not To Scale

NOTA SURVEY :

1. Datum kerja pengukuran berpandukan dari PA 75307
2. Datum asas koordinat adalah GDM2000 Cassini Soldner.
3. Semua aras laras berpandukan dari TBM 1 RL : 58.760 meter paku konkrit atas kerb jalan.

BKL○	Batu Konktir Lama		Longkang Konkrit
pk○	Paku Konkrit		Longkang Konkrit Bawah
	Cerun		Sump Longkang
	Tanda Aras Sementara	IL	Aras Dalam
○TL	Tiang Lampu		Arah Aliran Air
	Pagar Batu		Jalan Tar
	Guard Rail	MH IWK	Manhole Kumbahan Sediada



NOTA :

1. Datum kerja pengukuran berpandukan dari PA 75307
2. Datum asas koordinat adalah GDM2000 Cassini Soldner.
3. Semua aras laras berpandukan dari TBM 1 RL : 58.760 meter paku konkrit atas kerb jalan.

PETUNJUK :

- BOUNDARY
- PROPOSED 900MM THK.BRICKWALL
- PROPOSED PREMIX ROAD
- PROPOSED CONCRETE READY MIX GRED 30 BROOM FINISH
- PROPOSED CLOSED TURFING
- PROPOSED 450W R.C/B.W DRAIN WITH PCC SLAB GRATING AND SUMP
- PROPOSED WALKWAY AND R.C/B.W DRAINAGE WITH SLAB/GRATING
- PROPOSED 300W DRAIN WITH PCC SLAB GRATING
- PROPOSED ROAD KERB WITH OUTLET @ 3m c/c
- PROPOSED BRICSUMP/R.C SUMP WITH PCC SLAB GRATING/ M.S GRATING
- PROPOSED UGRADE EXISTING SUMP AND DRAIN
- PROPOSED BOX CULVERT WITH RC SUMP S2
- FRL 64.000 — PROPOSED FINISHED ROAD LEVEL 64.000 METER
- FFL 64.650 — PROPOSED FINISHED FLOOR LEVEL 64.650 METER

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

PEMILIK / TANDATANGAN PENGUASA PROJEK :

Ir. Ts. AHMAD ROSLAN BIN HAIRUDIN A.I.S
TIMBALAN PENGARAH
JABATAN KEJURUTERAAN
MAJLIS BANDARAYA PETALING JAYA

PERUNDING ARKITEK :

ARCA•3
Arkitek Sdn. Bhd.
D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya, 47301 Petaling Jaya, Selangor. Tel:03-78875353 Fax:03-78878644

KEMBAGA ARKITEK MALAYSIA
Ar. Anuar B. Mohamed
ARKITEK
No. Pendaftaran LAM : A/A 29

"Saya memperakui bahawa perinci-perinci dalam pelan-pelan ini adalah menurut kehendak-kehendak Undang-undang Kecil Bangunan Seragam Selangor 1986 dan saya setuju terima tanggungjawab dengan sewajarnya"

PERUNDING C&S :

SS DESIGN CONSULT (901490305-T)
No. 20-1F, Jalan AU 1A/4A,
Taman Keramat Permai,
54200 Kuala Lumpur.
Tel : 03-42654880
Email : ssdesignconsult@yahoo.com

PERUNDING M&E :

BI CONSULTING ENGINEERS SDN. BHD. (64404-D)
Mechanical & Electrical Consulting Engineers
No. 27-2, 2nd Floor, Jalan 5/76B, Desa Pandan, 55100 Kuala Lumpur.
Tel : 03 - 9202 2302 // Email : bicemy@gmail.com

PERUNDING QS :

DBN CONSULT SDN BHD (1307824-W)
5-6-5 Wisma Prima Peninsula,
Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

DRAINAGE

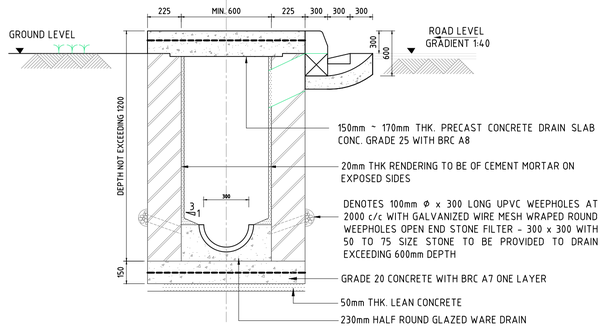
LAYOUT PLAN

SKALA	TARIKH
1:300	JAN 2026

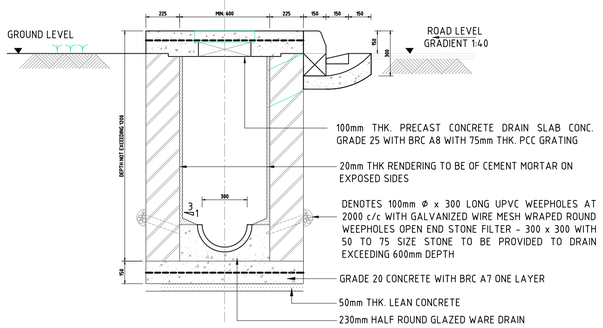
NO LUKISAN

SSDC169-C/D300

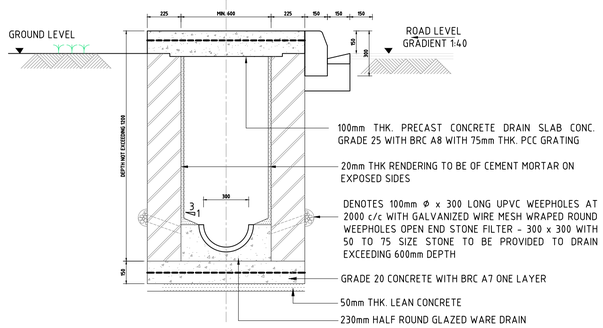
Dokumen Meja Terkawal



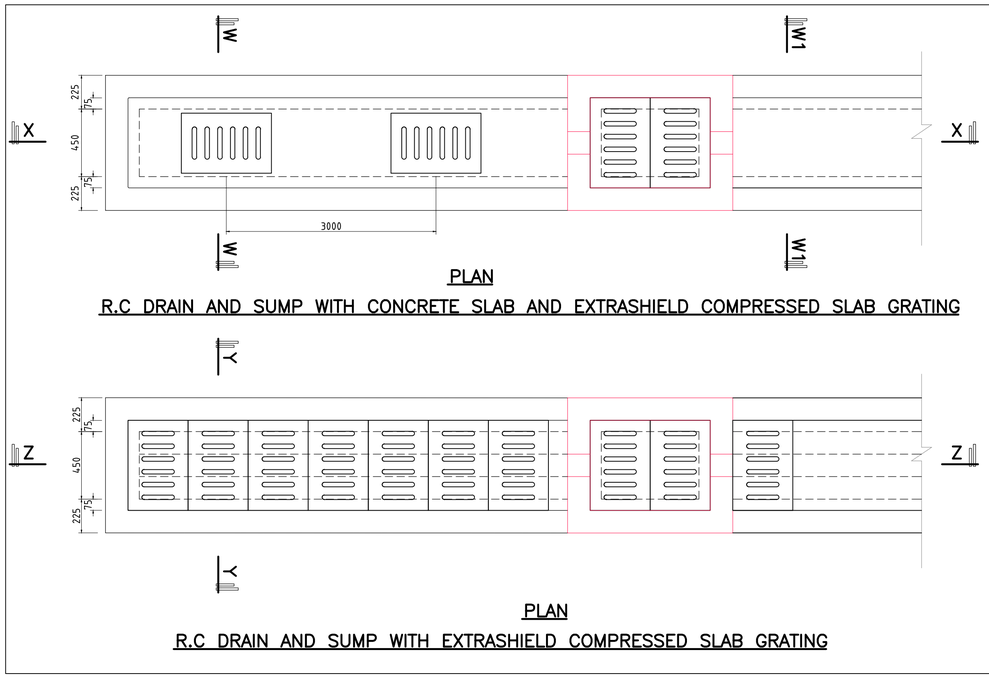
TYPICAL SECTION OF H.R.G.W BRICKWALL DRAIN WITH WALKWAY SLAB AND OUTLET KERB 3m c/c DEPTH NOT EXCEEDING 1200mm

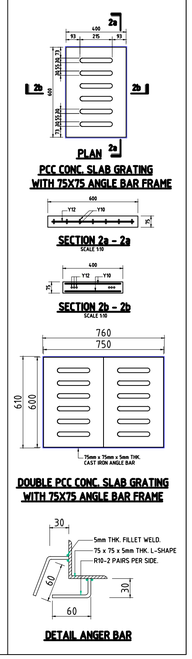


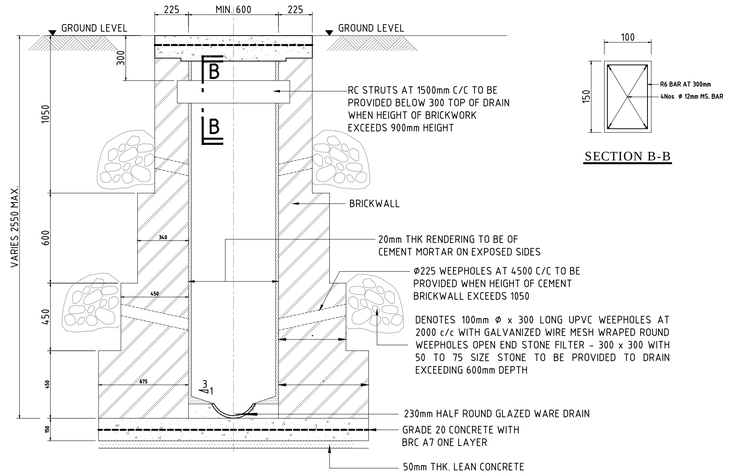
TYPICAL SECTION OF H.R.G.W BRICKWALL DRAIN WITH PCC GRATING AND OUTLET KERB 3m c/c DEPTH NOT EXCEEDING 1200mm

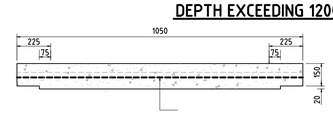


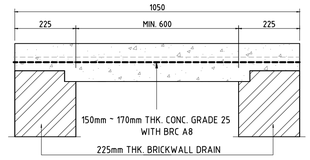
TYPICAL SECTION OF H.R.G.W BRICKWALL DRAIN WITH WALKWAY SLAB AND KERB DEPTH NOT EXCEEDING 1200mm



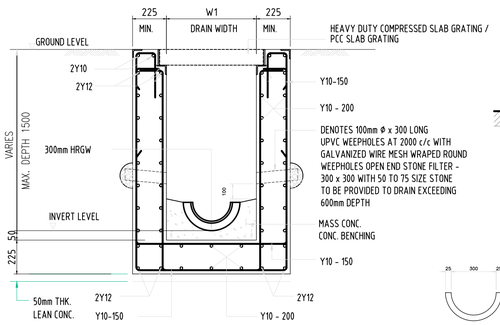




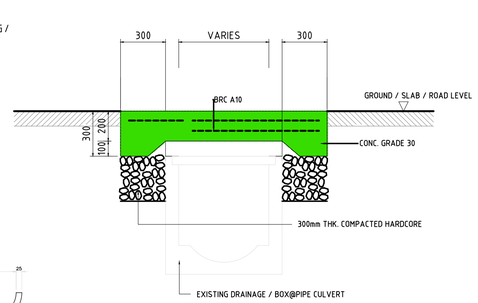




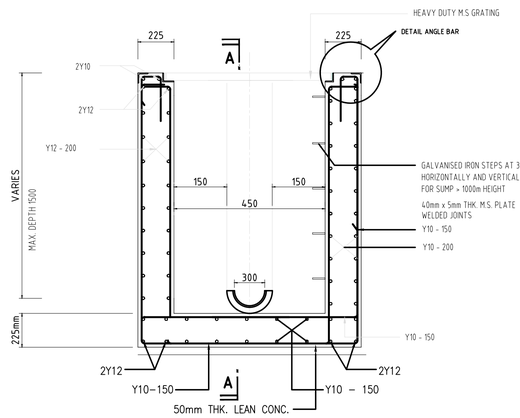
NOTE:
AT TNB DRAIN CROSSING, THE SLAB THICKNESS SHALL BE 150mm







NOTE:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED
2. FOR DRAIN MORE THAN 1000mm DEPTH PROVIDED 75mm DIA. WHEEPHOLES AT 600mm C/C VERTICALLY AND 3000mm HORIZONTALLY



NOTES :

1. ALL DIMENSIONS ARE IN MILLIMETRES
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT SURVEY AND ENGINEER'S DRAWING.
3. ALL DIMENSIONS TO BE CONFIRMED ON SITE, DISCREPANCIES TO BE REPORTED TO THE ENGINEER BEFORE WORK COMMENCES.
4. REINFORCEMENT SHALL BE OF BS 4449
   Y DENOTES HIGH TENSILE STEEL
   (CHARACTERISTIC STRENGTH fy-460 N/mm)
   R DENOTES MILD STEEL
   (CHARACTERISTIC STRENGTH fy-250 N/mm)
5. CLEAR COVER TO ALL REINFORCEMENT SHALL BE 40mm FOR WALL BASE AND 25mm FOR WALL STEW (UNLESS OTHERWISE STATED)
6. CONCRETE SHALL BE OF GRADE 30 (UNLESS OTHERWISE STATED)
7. LAPPING LENGTH OF BARS
   Y12=500mm, Y16=550mm, Y20=800mm, Y25=1000mm
8. BACKFILLING MATERIAL SHALL BE SANDFILL
9. THE SAFE ALLOWABLE BEARING CAPACITY FOR FOOTING IS 100kn/m AND SHALL BE CONFIRMED WITH MACKINTOSH PROBES TEST.

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

TAJUK PROJEK :

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Arkitek Sdn. Bhd.
D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya, 47301 Petaling Jaya, Selangor. Tel:03-78875363 Fax:03-78878844

LEMBAGA ARKITEK MALAYSIA

Ar. Anuar B. Mohamed
A R K I T E K
No. Pendaftaran LAM : A/A 29
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PERUNDING C&S :

SS DESIGN CONSULT (001490635-T)
No. 20-1F, Jalan AU 1A/4A,
Taman Keramat Permai,
54200 Kuala Lumpur.
Tel : 03-42654880
Email : ssdesignconsult@yahoo.com

PERUNDING M&E :

BI CONSULTING ENGINEERS SDN. BHD. (644O4-D)
Mechanical & Electrical Consulting Engineers
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Tel : 03 - 9202 2302 // Email : bicemy@gmail.com

PERUNDING QS :

BDC CONSULT SDN. BHD. (1107202-W)
5-6-5 Wisma Prima Peninsula,
Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur.
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

DRAINAGE

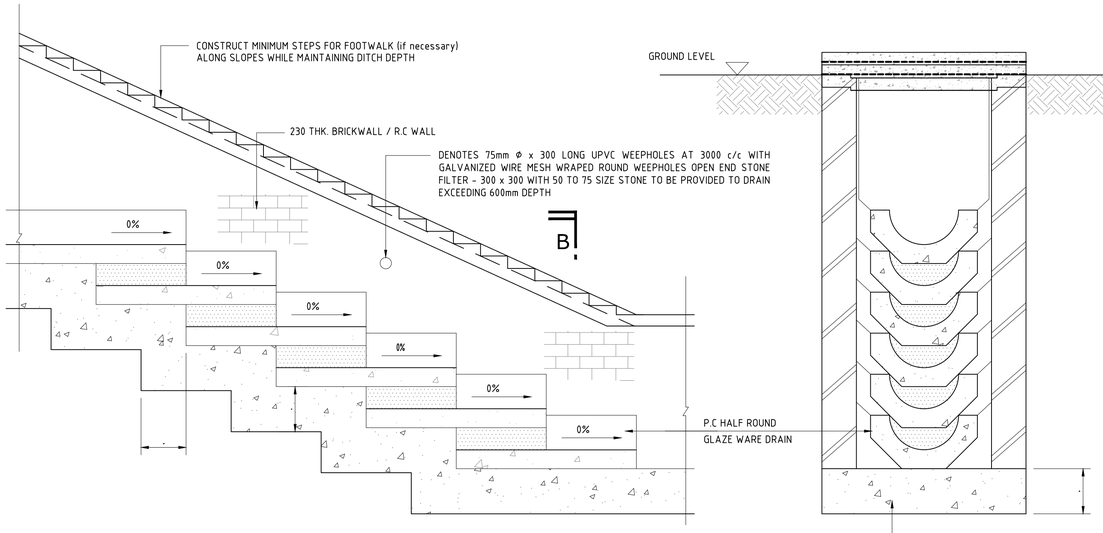
TYPICAL DRAIN, INSPECTION OPENING AND PRECAST COMPRESSED SLAB DETAILS

SKALA
TERTERA

TARIKH
JAN 2026

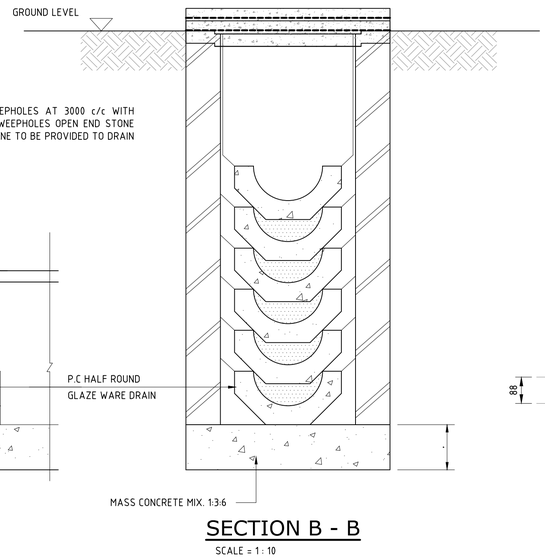
NO LUKISAN
SSDC169-C/D301

Dokumen Meja Terkawal



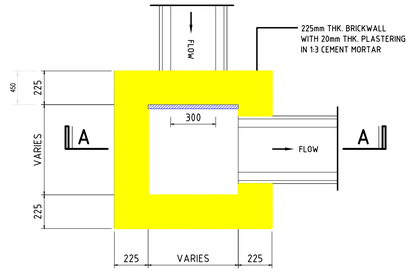
TYPICAL SECTION OF CASCADED DRAIN

SCALE:1:10



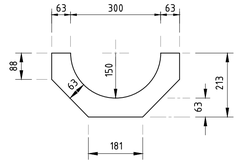
SECTION B - B

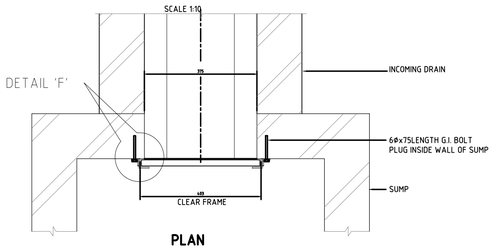
SCALE = 1 : 10



PLAN OF SUMP

SCALE 1:20

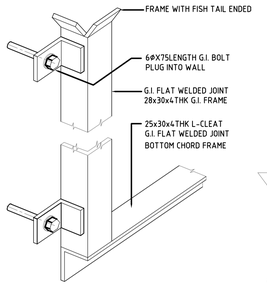




PLAN

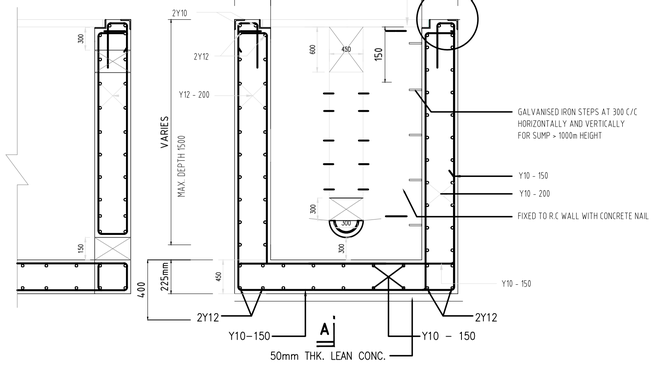
DETAIL OF TRASH SCREEN

SCALE 1:10

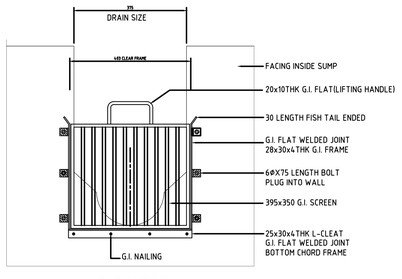


3D VIEW OF FRAME

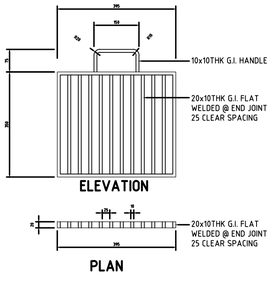
SCALE 1:3



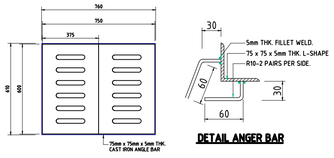
SECTION ELEVATION DRAINAGE AND SUMP WITH ORIFICE (OUTLET)



ELEVATION

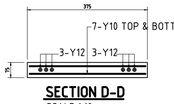


395x350 G.I. SCREEN



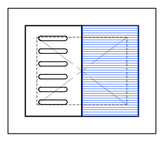
DOUBLE COMPRESSED CONC. SLAB GRATING

DETAIL ANGER BAR

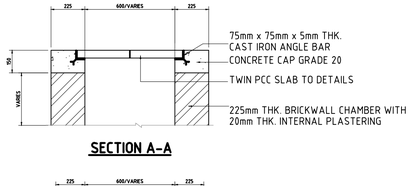


SECTION D-D

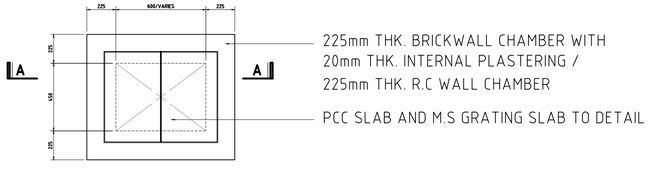
SCALE 1:10



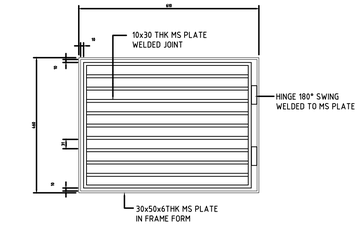
PLAN COVER GRATING



SECTION A-A



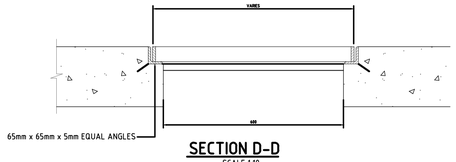
PLAN AND SECTION OF INSPECTION OPENING (SUMP)



*TO BE PLACED AT 3.0m C/C OR EVERY 6 PIECES OF P.C. SLAB COVER WHICHEVER COME FIRST

DETAIL OF 450x600 M.S. GRATING

SCALE 1:10



SECTION D-D

SCALE 1:10

TYPICAL DETAIL OF HEAVY DUTY M.S. GRATING AT ACCESS ROAD

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

PEMILIK / TANDATANGAN PENGUASA PROJEK :

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TIMBALAN PENGARAH
JABATAN KEJURUTERAAN
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PERUNDING ARKITEK :

ARCA 3
Arkitek Sdn. Bhd.
D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya, 47301 Petaling Jaya, Selangor. Tel:03-78875353 Fax:03-78878544

LEMBAGA ARKITEK MALAYSIA

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ARKITEK
No. Pendaftaran LAM : A/A 29

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PERUNDING C&S :

SS DESIGN CONSULT (201490635-T)
No. 20-1F, Jalan AU 1A/4A,
Taman Keramat Permai,
54200 Kuala Lumpur.
Tel : 03-42654880
Email : ssdesignconsult@yahoo.com

PERUNDING M&E :

BI CONSULTING ENGINEERS SDN. BHD. (644040-D)
Mechanical & Electrical Consulting Engineers
No. 27-2, 2nd Floor, Jalan 5/76B, Desa Pandan, 55100 Kuala Lumpur.
Tel : 03 - 9202 2302 // Email : bicemy@gmail.com

PERUNDING QS :

DBN CONSULT SDN. BHD. (1197823-H)
5-6-5 Wisma Prima Peninsula,
Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur.
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

DRAINAGE

CASCADE DRAIN, ORIFICE AND TRASH SCREEN

SKALA: TERTERA

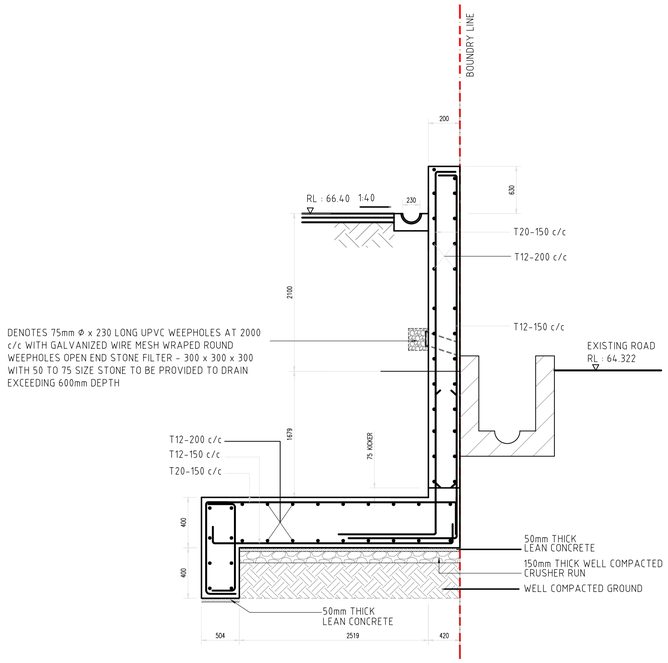
TARIKH: JAN 2026

NO LUKISAN

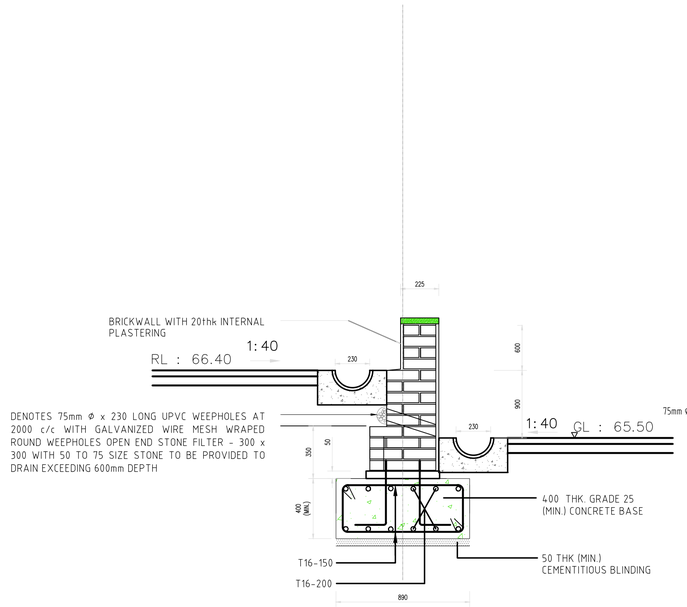
SSDC169-C/D302

TENDER DRAWING
SS DESIGN CONSULT

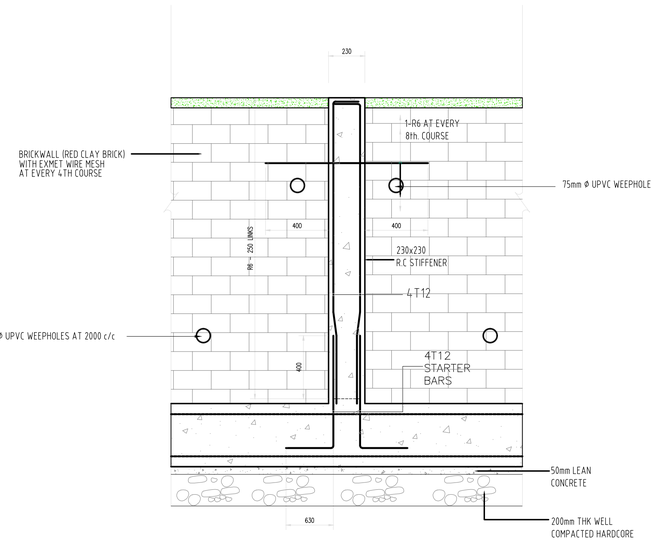
Dokumen Meja Terkawal



R.C WALL SECTION DETAIL
(BOUNDARY – PANGSAPURI CEMPAKA)
2100mm – 1000mm



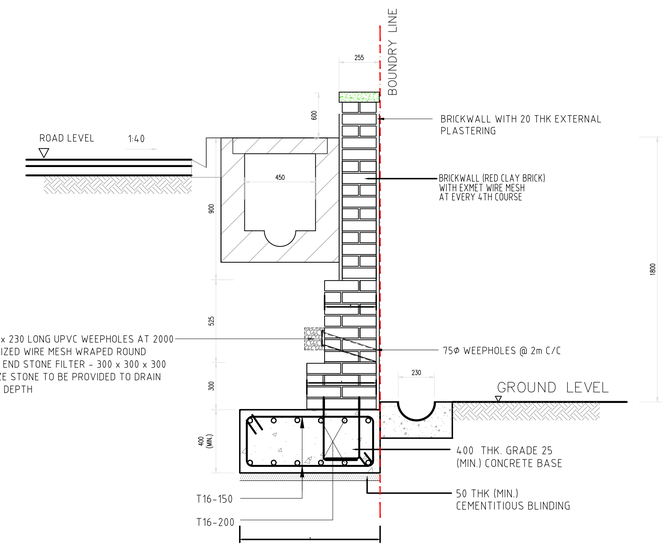
BRICK WALL WITH PARAMETER DRAIN
SECTION DETAIL (1500mm Height)
(UP PARKING)



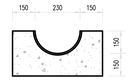
SECTION VIEW '1–1' (STIFFENER DETAIL)

SCALE 1 : 25

NOTES :-
GENERALLY ONE STIFFENER SHALL BE PROVIDED AT EVERY 3500 LENGTH OF 230mm THK. BRICKWALL

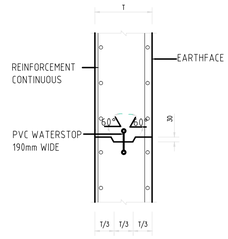


BRICK WALL WITH DRAIN & PARAMETER DRAIN SECTION DETAIL (≤1800mm – BOUNDARY)



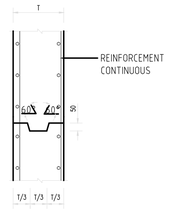
TYPICAL DETAIL OF HALF ROUND DRAIN

SCALE 1 : 20



TYPICAL CONS. JOINT OF RETAINING WALL (VERTICAL)

SCALE 1 : 15



TYPICAL CONS. JOINT OF RETAINING WALL (HORIZONTAL)

SCALE 1 : 15

NOTES:–

1. CONCRETE MIX SHALL BE GRADE 40.
2. CONCRETE COVER TO NEAREST REINFORCEMENT : FOR WALL = 50, BASE SLAB = 50
3. ALL LAP LENGTH SHALL BE 50 x DIA. OF BAR.
4. CONSTRUCTION JOINT WILL BE PROVIDED AT EVERY 30m.
5. MIN. SOIL BEARING CAPACITY REQUIRED = 450 kN/m².
6. ALL RETAINING BASE TO BE WELL COMPACTED AND APPROVED BY GEOTECHNICAL ENGINEER.
7. DESIGN PARAMETERS :–
   SOIL BULK DENSITY = 18 kN/m³
   COEFFICIENT Ka = 0.85
   FRICTION ANGLE Ø = 35°

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

PEMILIK / TANDATANGAN PENGUASA PROJEK :

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TIMBALAN PENGARAH
JABATAN KEJURUTERAAN
MAJLIS BANDARAYA PETALING JAYA

PERUNDING ARKITEK :

ARCA 3
Arkitek Sdn. Bhd.
D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya, 47301 Petaling Jaya, Selangor. Tel:03-78875353 Fax:03-78878844

LEMBAGA ARKITEK MALAYSIA

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ARKITEK
No. Pendaftaran LAM : A/A 29
"Saya memperakui bahawa perinci-perinci dalam pelan-pelan ini adalah menurut kehendak-kehendak Undang-undang Kecil Bangunan Seragam Selangor 1986 dan saya setuju terima tanggungjawab dengan sewajarnya"

PERUNDING C&S :

SS DESIGN CONSULT (001490635-T)
No. 20–1F, Jalan AU 1A/4A,
Taman Keramat Permai,
54200 Kuala Lumpur.
Tel : 03–42654880
Email : ssdesignconsult@yahoo.com

PERUNDING M&E :

BI CONSULTING ENGINEERS SDN. BHD. (644O4-D)
Mechanical & Electrical Consulting Engineers
No. 27-2, 2nd Floor, Jalan 5/76B, Desa Pandan, 55100 Kuala Lumpur.
Tel : 03 - 9202 2302 // Email : bicemy@gmail.com

PERUNDING QS :

DBN CONSULT SDN BHD (1097263-W)
5–6–5 Wisma Prima Peninsula,
Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur
Tel : 03–4252 2780 Fax : 03–4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

DRAINAGE

RETAINING WALL - R.C WALL & BRICKWALL DETAILS

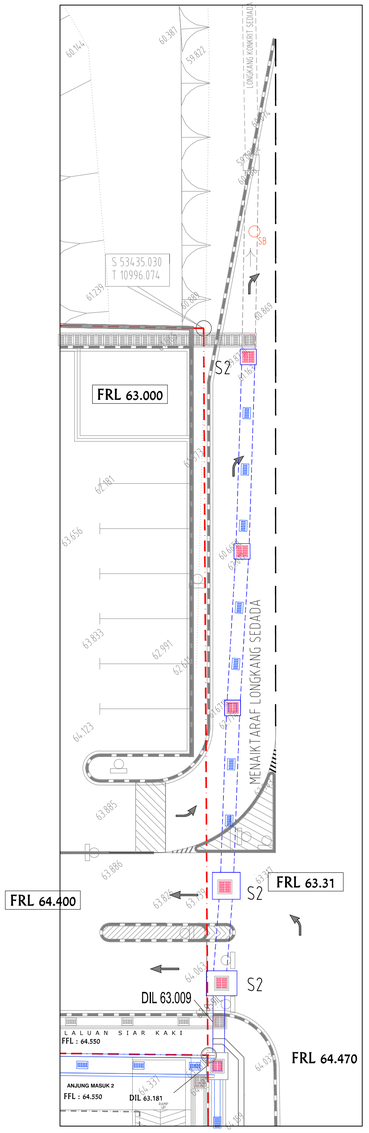
SKALA: TERTERA

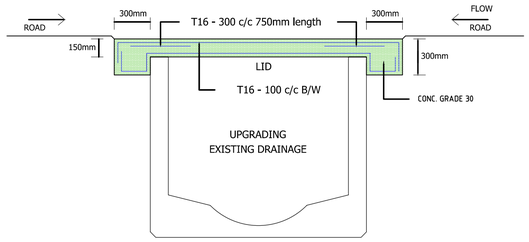
TARIKH: JAN 2026

NO LUKISAN

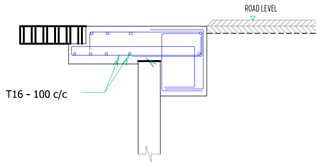
SSDC169-C/D303

Dokumen Meja Terkawal

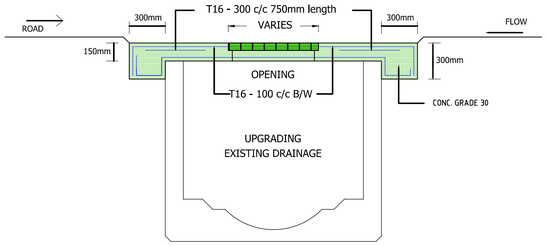




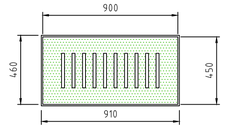
R.C SLAB ON TOP EXISTING DRAIN



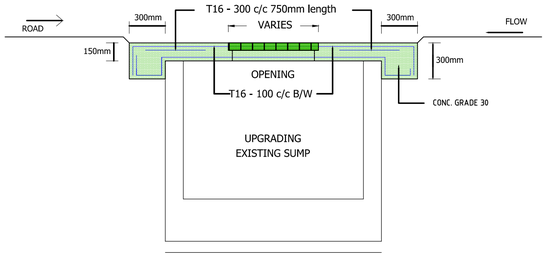
SECTION OPENING



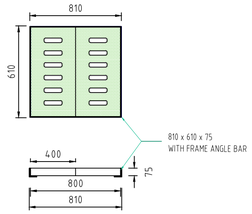
R.C SLAB ON TOP EXISTING DRAIN WITH OPENING
INDUSTRIAL SERIES COMPRESSED CONCRETE SLAB 75mm THK



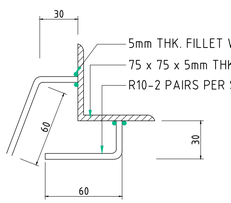
HEAVY DUTY PRECAST COMPRESSED SLAB
900mm(W) X 450mm(L) X 75mm(T)
WITH ANGLE BAR FRAME 910 X 460 X 75mm



R.C SLAB ON TOP EXISTING SUMP WITH OPENING
INDUSTRIAL SERIES COMPRESSED CONCRETE SLAB 75mm THK



HEAVY DUTY TWIN PRECAST COMPRESSED SLAB
2 NOS 600mm(W) X 400mm(L) X 75mm(T)
WITH ANGLE BAR FRAME 610 X 810 X 5mm



DETAIL ANGER BAR

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

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D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya,
47301 Petaling Jaya, Selangor. Tel:03-78875353 Fax:03-78878844

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PERUNDING C&S :

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No. 20-1F, Jalan AU 1A/4A,
Taman Keramat Permai,
54200 Kuala Lumpur.
Tel : 03-42654880
Email : ssdesignconsult@yahoo.com

PERUNDING M&E :

BI CONSULTING ENGINEERS SDN. BHD. (64404-D)
Mechanical & Electrical Consulting Engineers
No. 27-2, 2nd Floor, Jalan 5/76B, Desa Pandan, 55100 Kuala Lumpur.
Tel : 03 - 9202 2302 // Email : bicemy@gmail.com

PERUNDING QS :

DBC CONSULT SDN BHD (1097804-W)
5-6-5 Wisma Prima Peninsula,
Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

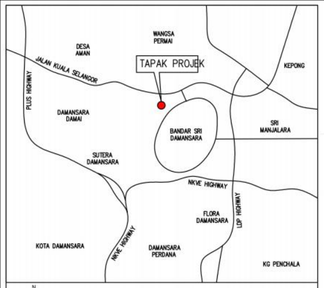
DRAINAGE

UPGRADING EXISTING DRAINAGE AND SUMP WITH COVER GRATING DETAILS

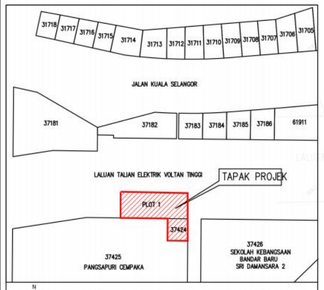
SKALA
TERTERA

TARIKH
JAN 2026

NO LUKISAN
SSDC169-C/D304



KEY PLAN
Not To Scale

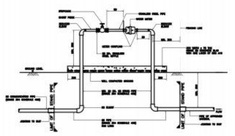


LOCATION PLAN
Not To Scale

NOTA SURVEY :

1. Datum kerja pengukuran berpandukan dari PA 75307
2. Datum asas koordinat adalah GDM2000 Cassini Soldner.
3. Semua aras laras berpandukan dari TBM 1 RL : 58.760 meter paku konkrit atas kerb jalan.

BKLO	Batu Konktir Lama		Longkang Konkrit
pk O	Paku Konkrit		Longkang Konkrit Bawah
	Cerun		Sump Longkang
	Tanda Aras Sementara	IL	Aras Dalam
O TL	Tiang Lampu		Arah Aliran Air
	Pagar Batu		Jalan Tar
	Guard Rail	MH IWK	Manhole Kumbahan Sediada



TYPICAL DETAILS OF STAINLESS STEEL METER STAND INSTALLATION FOR SINGLE METER SIZE 15-50 DIA. - TYPE A

PIPE DIAMETER (D) (mm)	5D (mm) MIN.	3D (mm) MIN.
15	75	45
20	100	60
25	125	75
50	250	150

NOTA :

NOTE (PIPE 15mm - 50mm) :

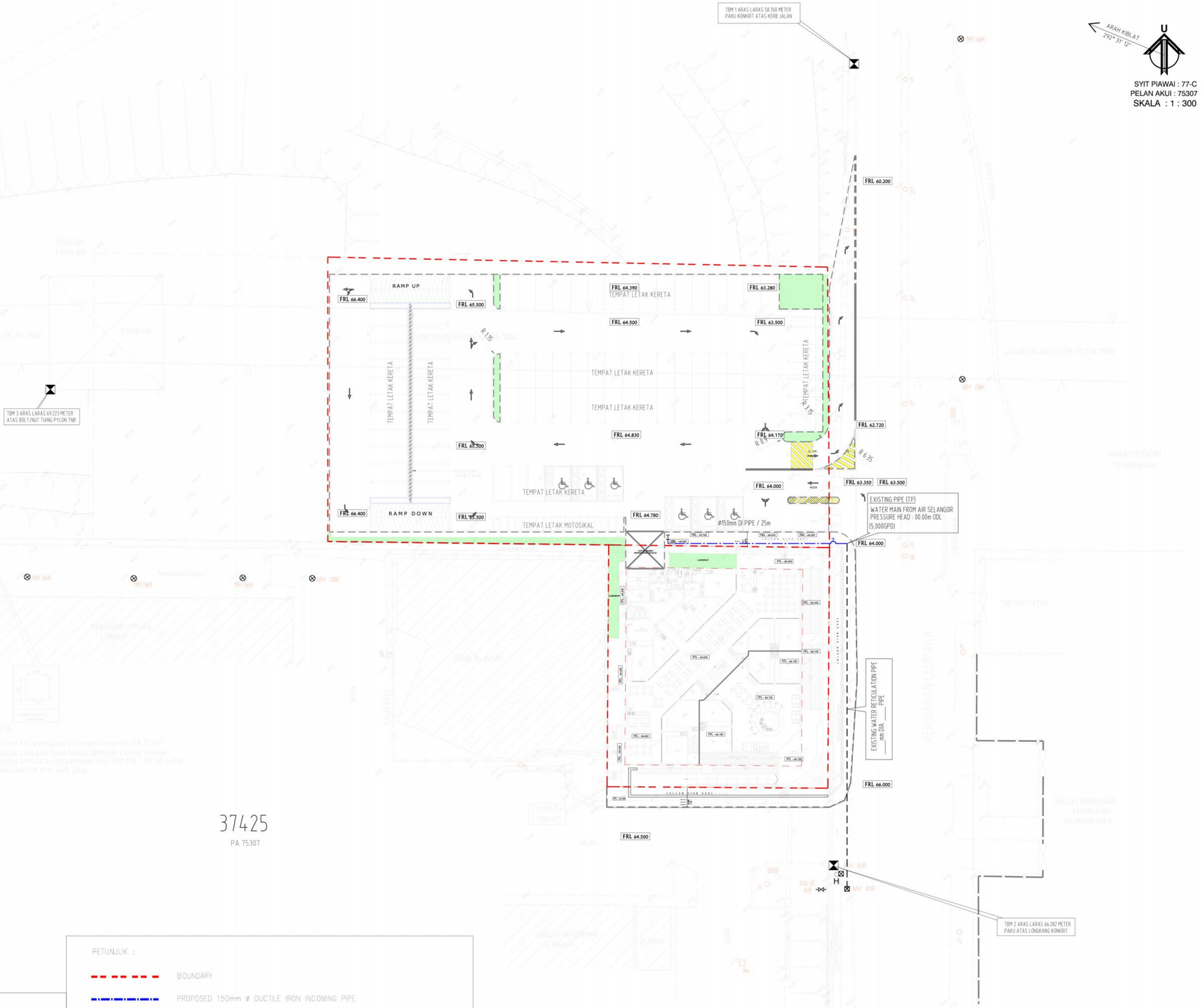
1. ACTUAL LENGTH OF COMMUNICATION PIPE SHALL BE DETERMINED ON SITE.
2. ALL DIMENSIONS ARE IN MILLIMETRE AND LEVELS ARE IN METRE UNLESS. UNLESS OTHERWISE STATED.
3. ALL CONCRETE TO BE GRADE 25 UNLESS OTHERWISE STATED.
4. ALL STAINLESS STEEL PIPES SHALL BE OF FRADE 304 TO SCHEDULE 40S
5. ALL STAINLESS STEEL PIPES SHALL BE SOURCED FROM SUPPLIERS/MANUFACTURERS APPROVED BY AIR SELANGOR ONLY.

PETUNJUK :

- BOUNDARY
- PROPOSED 150mm ø DUCTILE IRON INCOMING PIPE
- SV — SLUICE VALVE
- AIR VALVE
- SCOUR VALVE
- END CAP
- m — METER
- POLYETHYLENE WATER TANK (BY M&E) EFFECTIVE CAPACITY: 500 GALS EACH (10 Nos) TANK SIZE : - C.W BALL FLOAT VALVE, 50ø BALANCING PIPE, 50ø COMBINE OVERFLOW & SCOUR PIPE DISCHARGE TO DRAIN.

NOTES:

1. AIR VALVES TO BE LOCATED AT HIGH POINTS. THE EXACT LOCATION TO BE DECIDED ON SITE.
2. THE EXACT LOCATION OF SLUICE VALVE, SCOUR VALVE, AIR VALVE AND S-BEND SHALL BE DECIDED ON SITE.
3. THE MINIMUM COVER TO ALL WATER MAINS SHALL BE 1000mm TO THE TOP OF THE PIPES. UNDER TRAFFIC LOADING



TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :
Dokumen Meja Terkawal

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

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PERUNDING ARKITEK :

ARCA•3
Arkitek Sdn. Bhd.
D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya, 47301 Petaling Jaya, Selangor. Tel:03-78875353 Fax:03-78878844

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54200 Kuala Lumpur.
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Tel : 03 - 9202 2302 // Email : bicemy@gmail.com

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54200 Kuala Lumpur
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

WATER RETICULATION

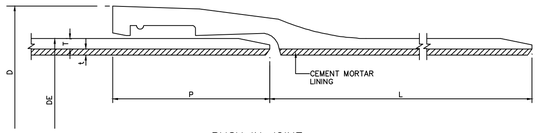
LAYOUT PLAN

SKALA	TARIKH
1:300	JAN 2026

NO LUKISAN

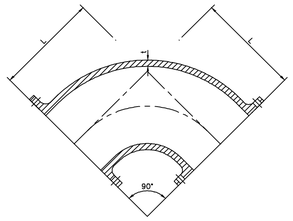
SSDC169-C/W400

Dokumen Meja Terkawal

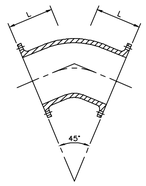


PUSH IN JOINT

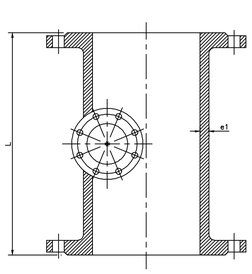
TABLE FOR PUSH-IN JOINT						
NOMINAL DIAMETRE ND (mm)	NOMINAL OUTER DIAMETER DE (mm)	D (mm)	P (mm)	T(K9) (mm)	t (mm)	L (mm)
100	118	160	85	6.0	4.0	6000
150	170	215	90	6.0	4.0	6000
200	222	275	100	6.3	4.0	6000

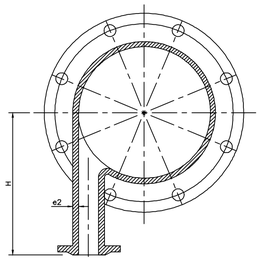


DOUBLE FLANGED 90° BEND



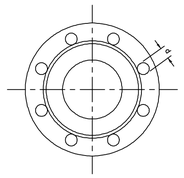
DOUBLE FLANGED 45° BEND





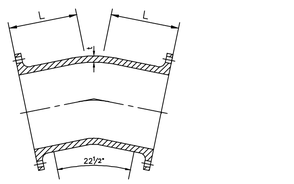
ALL–FLANGED LEVEL INVERT TEE

ALL FLANGED LEVEL INVERT TEE				
DN x dn	BODY		BRANCH	
	e	L	L Series B	L'
150 x 100	7.8	400	7.2	215
200 x 100	8.4	400	7.2	235



FLANGED

TABLE FOR FLANGE											
NOMINAL DIAMETRE ND (mm)	D	C	g	a	b	c	BOLT			MASS (kg)	s (mm)	R
							SIZE	No.	d			
100	220	180	156	19.0	16.0	3	M16	8	19	3.3	15.0	6
150	285	240	211	19.0	16.0	3	M20	8	23	4.9	15.0	8
200	340	295	266	20.0	17.0	3	M20	12	23	6.6	16.0	8



DOUBLE FLANGED 22½° BEND



DOUBLE FLANGED 11¼° BEND

TABLE FOR DOUBLE FLANGE BEND						
NOMINAL DIAMETRE ND (mm)	OUTER DIAMETER OD (mm)	t PLATE THK. (mm)	90° L (mm)	45° L (mm)	22 ½° L (mm)	11 ¼° L (mm)
100	118	7.2	180	140	140	140
150	170	7.8	220	160	160	160
200	222	8.4	260	180	180	180

ALL FLANGED TEES

ALL FLANGED TEES, DN 40 TO DN 700				
DN	BODY		BRANCH	
	e1	L	e2	L
100 x 100	7.2	360	7.2	180
150 x 100	7.8	440	7.2	220
150 x 150	7.8	440	7.8	220
200 x 100	8.4	400	7.2	230
200 x 150	8.4	460	7.8	245
200 x 200	8.4	520	8.4	260

DOUBLE–SOCKET TEES WITH FLANGED BRANCH

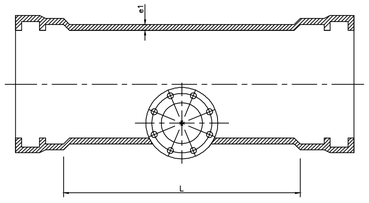
DOUBLE SOCKET TEES WITH FLANGED BRANCH				
DN	Body		Branch	
	e1	L	e2	L
100 x 100	7.2	195	7.2	180
150 x 100	7.8	200	7.2	205
150 x 150	7.8	260	7.8	220
200 x 100	8.4	200	7.2	230
200 x 150	8.4	260	7.8	245
200 x 200	8.4	320	8.4	260

ALL–SOCKET TEES

ALL SOCKET TEE				
DN	Body		Branch	
	e1	L	e2	L
100 x 100	7.2	195	7.2	100
150 x 100	7.8	200	7.2	125
150 x 150	7.8	260	7.8	130
200 x 100	8.4	200	7.2	150
200 x 150	8.4	260	7.8	155
200 x 200	8.4	320	8.4	160

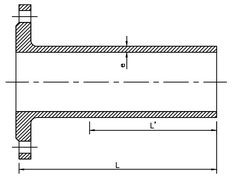
DOUBLE FLANGED DUCKFOOT 90° BENDS

DN	e	90° DUCKFOOT BEND	
		c	d'
100	7.2	125	200
125	7.5	140	225
150	7.8	160	250
200	8.4	190	300



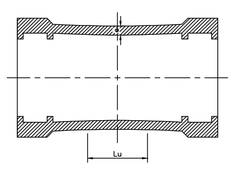
DOUBLE SOCKET LEVEL INVERT TEE WITH FLANGED BRANCH

DOUBLE SOCKET LEVEL INVERT TEE WITH FLANGED BRANCH				
DN	BODY		BRANCH	
	e	L	e2	H
150 x 80	7.8	190	7.0	150
150 x 100	7.8	340	7.2	220
200 x 80	8.4	305	7.0	155
200 x 100	8.4	350	7.2	230
200 x 150	8.4	380	7.8	260



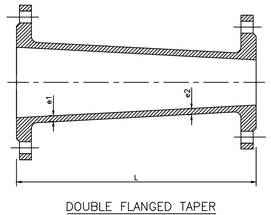
FLANGED SPIGOT

DN	e	FLANGED SPIGOTS
		L
100	7.2	360
150	7.8	380
200	8.4	400



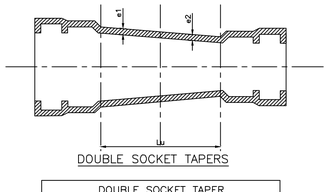
SOCKET COLLAR

DN	e	SOCKET COLLAR	
		L	d
100	7.2	160	130
150	7.8	165	183
200	8.4	170	235



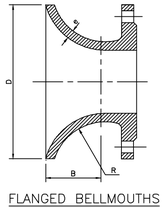
DOUBLE FLANGED TAPER

DN	DOUBLE FLANGE TAPERS			
	e	e2	L Series A	Lu Series B
125 x 100	7.5	7.2	200	185
150 x 125	7.8	7.5	200	190
200 x 150	8.4	7.8	300	235



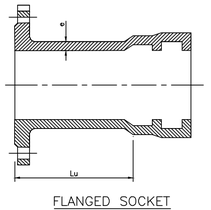
DOUBLE SOCKET TAPERS

DOUBLE SOCKET TAPER				
DN	e	FLANGED SPIGOT		
			L Series A	L Series B
125 x 100	7.5	7.2	100	120
150 x 100	7.8	7.2	150	150
150 x 125	7.8	7.5	100	115
200 x 100	8.4	7.2	250	250
200 x 125	8.4	7.5	200	230
200 x 150	8.4	7.8	150	145



FLANGED BELLMOUTHS

DN	FLANGED BELLMOUTH			
	L	D	L'	Lu Series A
100	140	185	85	106
150	155	245	95	119
200	170	310	110	137



FLANGED SOCKET

FLANGE SOCKET		
DN	e	L Series A
100	7.2	130
150	7.8	135
200	8.4	140

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

PEMILIK / TANDATANGAN PENGUASA PROJEK :

Ir. Ts. AHMAD ROSLAN BIN HAIRUDIN A.I.S
TIMBALAN PENGARAH
JABATAN KEJURUTERAAN
MAJLIS BANDARAYA PETALING JAYA

PERUNDING ARKITEK :

ARCA 3
Arkitek Sdn. Bhd.
D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya,
47301 Petaling Jaya, Selangor. Tel:03-78875353 Fax:03-78878444

Ar. Anuar B. Mohamed
ARKITEK
No. Pendaftaran LAM : A/A 29

"Saya memperakui bahawa perinci-perinci dalam pelan-pelan ini adalah menurut kehendak-kehendak Undang-undang Kecil Bangunan Seragam Selangor 1986 dan saya setuju terima tanggungjawab dengan sewajarnya"

PERUNDING C&S :

SS DESIGN CONSULT (001490635-T)
No. 20–1F, Jalan AU 1A/4A,
Taman Keramat Permai,
54200 Kuala Lumpur.
Tel : 03–42654880
Email : ssdesignconsult@yahoo.com

PERUNDING M&E :

BI CONSULTING ENGINEERS SDN. BHD. (644O4-D)
Mechanical & Electrical Consulting Engineers
No. 27-2, 2nd Floor, Jalan 5/76B, Desa Pandan, 55100 Kuala Lumpur.
Tel : 03 - 9202 2302 // Email : bicemy@gmail.com

PERUNDING QS :

DBN CONSULT SDN BHD (1397824-W)
5–6–5 Wisma Prima Peninsula,
Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur
Tel : 03–4252 2780 Fax : 03–4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

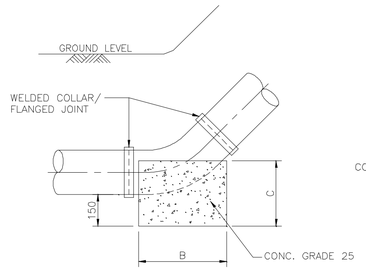
WATER RETICULATION
DETAIL OF DUCTILE IRON GUSSETED BENDS, DETAIL OF DI FLANGED TEES, BEND, ALL-FLANGED LEVEL INVERT TEE, TAPER, SOCKET, BELLMOUTH AND 90 DUCKFOOT.

SKALA
TERTERA

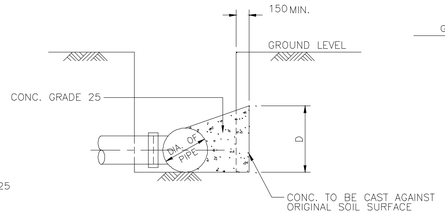
TARIKH
JAN 2026

NO LUKISAN
SSDC169-C/W401

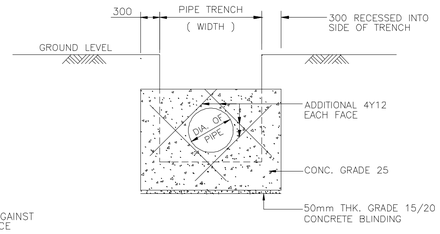
Dokumen Meja Terkawal



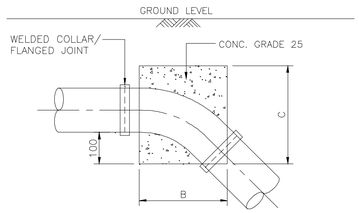
SECTION D–D



SECTION E–E

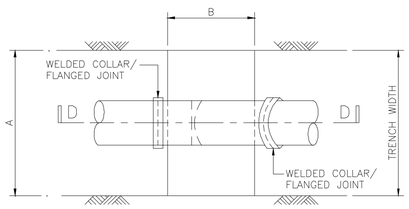


SECTION F–F



SECTION G–G

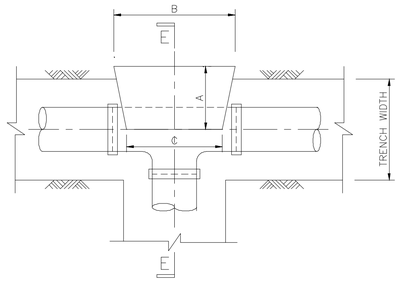
SCHEDULE OF ANCHOR BLOCK	
GRADIENT EXCEEDING	POSITION OF ANCHOR BLOCK
1:12	EVERY 3RD. PIPE
1:8	EVERY 2ND. PIPE
1:5	EVERY PIPE



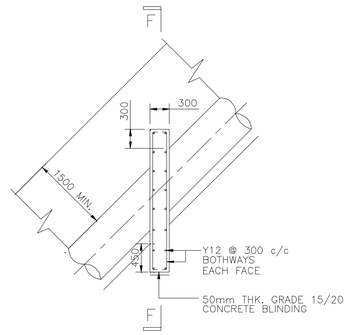
PLAN

DETAIL OF THRUST BLOCK FOR VERTICAL BEND

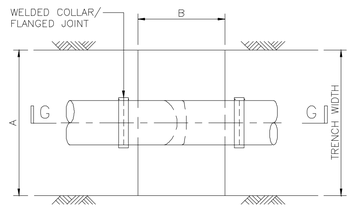
(ACTING DOWNWARD)



DETAILS OF THRUST BLOCK
FOR DUCTILE IRON TEE



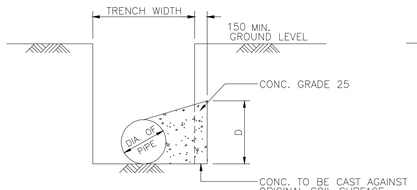
ELEVATION
ANCHOR BLOCK



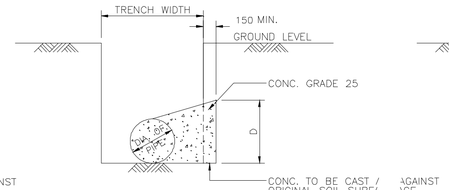
PLAN

THRUST BLOCK FOR VERTICAL BEND

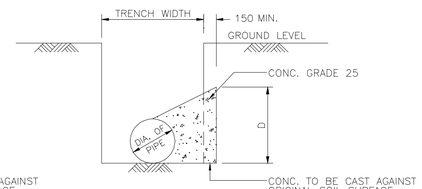
(ACTING UPWARD)



SECTION A–A



SECTION B–B



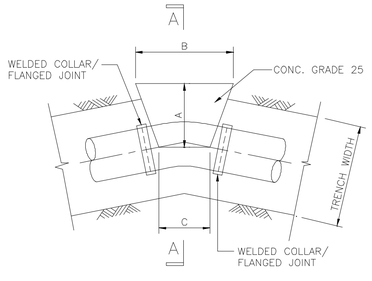
SECTION C–C

SCHEDULE OF CONCRETE THRUST BLOCK FOR PLAIN END TEE						
NOMINAL DIA. OF BRANCH (mm)	NOMINAL DIA. OF BARREL (mm)	OUTER DIA. OF TEE (mm)	A	B	C	D
150	200	232.2	450	600	400	400
200	200	232.2	450	1000	600	400

SCHEDULE OF CONCRETE THRUST BLOCK FOR VERTICAL BEND (ACTING UPWARD)										
NOMINAL DIA. OF PIPE (mm)	OUTER DIA. OF PIPE (mm)	GUSSETED BEND								
		UP TO 12°			UP TO 25°			UP TO 45°		
		A	B	C	A	B	C	A	B	C
100	122	300	300	300	200	400	350	200	400	350
150	177	350	350	350	300	450	400	400	450	500

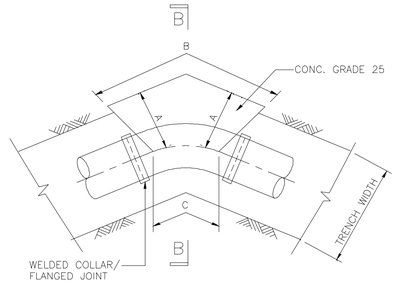
SCHEDULE OF CONCRETE THRUST BLOCK FOR VERTICAL BEND (ACTING DOWNWARD)										
NOMINAL DIA. OF PIPE (mm)	OUTER DIA. OF PIPE (mm)	GUSSETED BEND								
		UP TO 12°			UP TO 25°			UP TO 45°		
		A	B	C	A	B	C	A	B	C
100	122	350	250	250	400	200	200	350	200	200
150	177	450	300	300	450	200	200	450	250	200
200	232.2	500	300	350	500	250	250	500	350	250

SCHEDULE OF CONCRETE THRUST BLOCK FOR HORIZONTAL BEND WITH WELDED JOINTS													
NOMINAL DIA. OF PIPE (mm)	OUTER DIA. OF PIPE (mm)	GUSSETED BEND											
		UP TO 30°				OVER 30° TO 60°				OVER 60° TO 90°			
		A	B	C	D	A	B	C	D	A	B	C	D
200	232.2	400	700	400	400	490	1100	600	500	400	1600	700	500



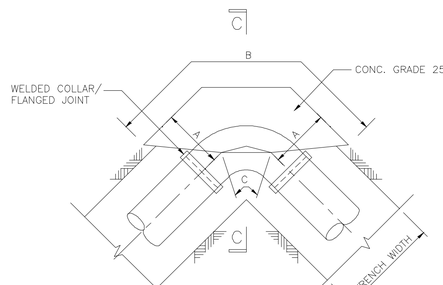
DETAILS OF THRUST BLOCK FOR
DUCTILE IRON
GUSSETED BEND UP TO 30°

(HORIZONTAL BEND)



DETAILS OF THRUST BLOCK FOR
OVER 30° TO 60°
DUCTILE IRON GUSSETED BEND

(HORIZONTAL BEND)



DETAILS OF THRUST BLOCK FOR
OVER 60° TO 90°
DUCTILE IRON GUSSETED BEND

(HORIZONTAL BEND)

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

PEMILIK / TANDATANGAN PENGUASA PROJEK :

Ir. Ts. AHMAD ROSLAN BIN HAIRUDIN A.I.S
TIMBALAN PENGARAH
JABATAN KEJURUTERAAN
MAJLIS BANDARAYA PETALING JAYA

PERUNDING ARKITEK :

ARCA▼3
Arkitek Sdn. Bhd.
D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya, 47301 Petaling Jaya, Selangor. Tel:03-78875353 Fax:03-78878844

LEMBAGA ARKITEK MALAYSIA

Ar. Anuar B. Mohamed
ARKITEK
No. Pendaftaran LAM : A/A 29

"Saya memperakui bahawa perinci-perinci dalam pelan-pelan ini adalah menurut kehendak-kehendak Undang-undang Kecil Bangunan Seragam Selangor 1986 dan saya setuju terima tanggungjawab dengan sewajarnya"

PERUNDING C&S :

SS DESIGN CONSULT (001490635-T)
No. 20–1F, Jalan AU 1A/4A,
Taman Keramat Permai,
54200 Kuala Lumpur.
Tel : 03–42654880
Email : ssdesignconsult@yahoo.com

PERUNDING M&E :

BI CONSULTING ENGINEERS SDN. BHD. (64404-D)
Mechanical & Electrical Consulting Engineers
No. 27-2, 2nd Floor, Jalan 5/76B, Desa Pandan, 55100 Kuala Lumpur.
Tel : 03 - 9202 2302 // Email : bicemy@gmail.com

PERUNDING QS :

DBN CONSULT SDN BHD (1397824–W)
5–6–5 Wisma Prima Peninsula,
Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur
Tel : 03–4252 2780 Fax : 03–4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

WATER RETICULATION

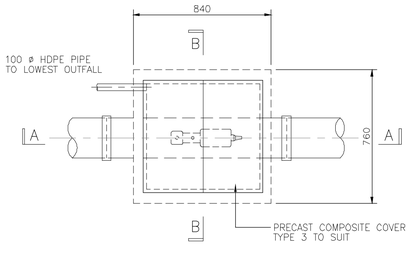
DETAILS AND SHEDULE OF DI CONCRETE THRUST BLOCK AND ANCHOR BLOCK

SKALA
TERTERA

TARIKH
JAN 2026

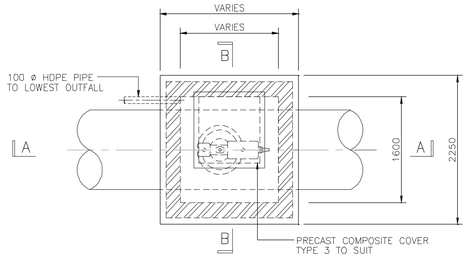
NO LUKISAN
SSDC169-C/W402

Dokumen Meja Terkawal



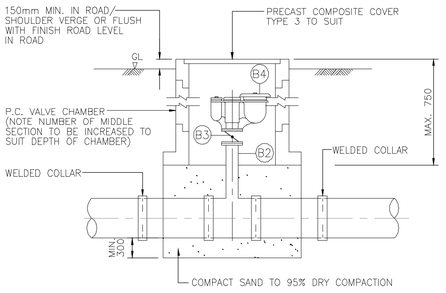
PLAN

PC CHAMBER FOR AIR VALVE TYPE AV1
(FOR PIPE DEPTH LESS THAN 0.75m)

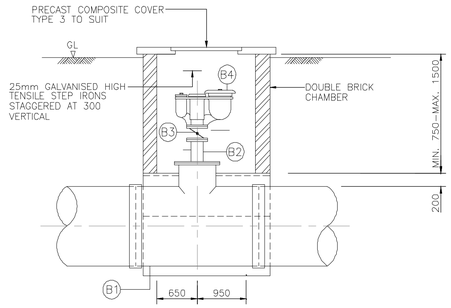


PLAN

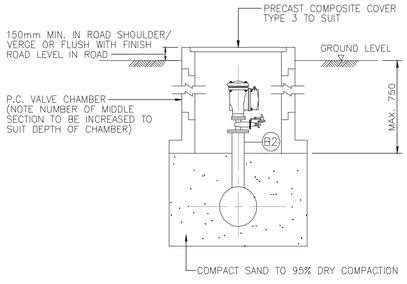
BRICK CHAMBER FOR AIR VALVE TYPE AV2
(FOR PIPE DEPTH 1m TO 1.5m)



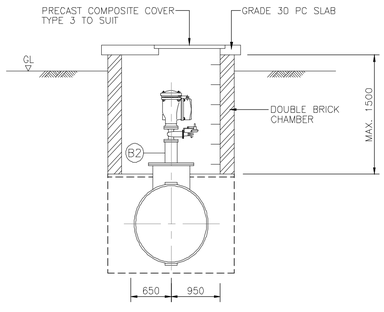
SECTION A–A



SECTION A–A



SECTION B–B



SECTION B–B

DESCRIPTION OF PIPES, FITTINGS AND VALVES		X	Y
ITEM NO.	DESCRIPTION		
B1	CONCENTRIC TEE : Xmm DIA FLANGE ENDED BRANCH ON Ymm F.I.D. PLAIN ENDED BARREL	TO SUIT	TO SUIT TO SUIT TO SUIT
B2	Xmm DIA. x 250mm LONG WITH ONE END TO SUIT MS FLANGE PIPE	TO SUIT	– –
B3	Xmm DIA. DOUBLE FLANGED BUTTERFLY VALVE	TO SUIT	– –
B4	Xmm DIA. DOUBLE ORIFICE AIR VALVE	TO SUIT	– –
B5	Xmm DIA. x 450mm LONG P/FE SHORT PIECE FLANGE ENDED TO SUIT	TO SUIT	–
B6	Xmm DIA. PLAIN ENDED SHORT PIPE (LENGTH TO SUIT SITE CONDITION)	–	–
B7	Xmm DIA. COLLAR WELD	–	–
B8	90° PLAIN ENDED BEND TO SUIT 300mm DIA. PIPE	–	–

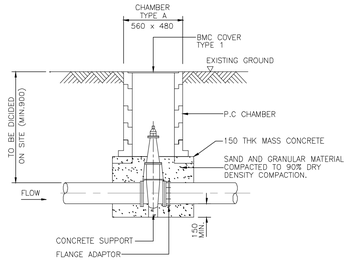
NOTES :
1. THE ENGINEER SHALL DESIGN THE LENGTH X AND Y SUFFICIENT FOR HIS USE AND TO SYABAS APPROVAL.
2. THE SHOP DRAWINGS SHORT PIECES SHALL BE SUBMITTED FOR APPROVAL BEFORE MANUFACTURE.

NOTES :
1. GENERAL NOTES REFER DRAWING NO. : /W400
2. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED

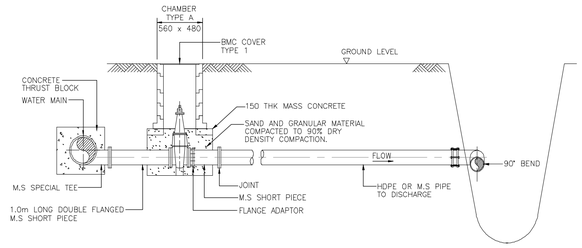
AIR VALVE CHAMBER NOTES :
1. ACTUAL LENGTH OF PE COMMUNICATION PIPES SHALL BE DETERMINED ON SITE.
2. LEAN CONCRETE SHALL BE OF GRADE 15/20

PRECAST CHAMBER NOTES :
1. NUMBER OF PRE-CAST UNIT PER CHAMBER SHOWN ARE TENTATIVE ONLY AND ACTUAL NUMBER SHALL BE DECIDED ON SITE.
2. STEEL BARS SHALL BE MILD STEEL (250N/MM)
3. GASKET SHALL BE INSTAL BETWEEN PART OF THE PRE-CAST CHAMBER DURING INSTALLATION

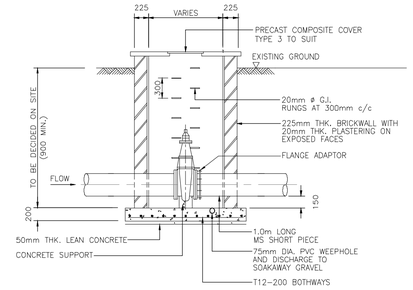
SLUICE AND SCOUR VALVE CHAMBER NOTES :
1. ALL STEELWORK TO BE PAINTED WITH 2 COAT OF APPROVED ANTI CORROSIVE PAINT/EPOXY 325 MICRO DFT.
2. LEAN CONCRETE SHALL BE OF GRADE 15/20
3. ALL VALVE SHALL BE OF DUCTILE IRON GRADE — EN 16 TO SYABAS APPROVAL.
4. FOR SLUICE VALVE CHAMBER LOCATED WITHIN THE ROAD SHALL USE RC COVER CHAMBER TO DETAILS.
5. PRECAST COVER TYPE 3 REF. DWG. NO. : /W402



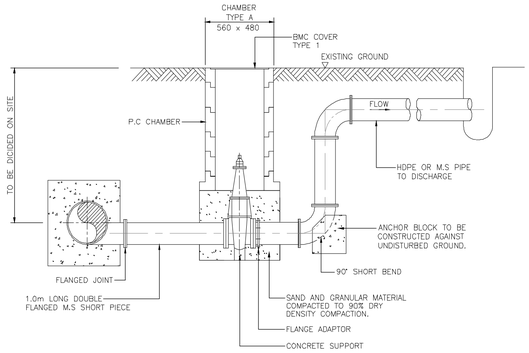
P.C. CHAMBER FOR SLUICE VALVE (TYPE 1)
(DEPTH LESS THAN 1.0m)



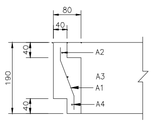
P.C. CHAMBER FOR SCOUR VALVE
(DEPTH LESS THAN 1m)



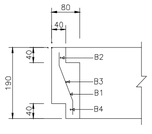
BRICK CHAMBER FOR SLUICE VALVE
(FOR PIPE DEPTH 1m TO 1.5m)



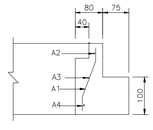
PC CHAMBER FOR SCOUR VALVE
DEPTH 1m TO 1.5m



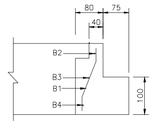
SECTION OF INTERMEDIATE UNIT
(UNIT 2a)



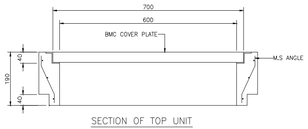
SECTION OF INTERMEDIATE UNIT
(UNIT 2b)



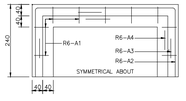
SECTION OF BOTTOM UNIT
(UNIT 3a)



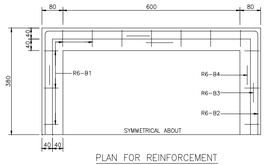
SECTION OF BOTTOM UNIT
(UNIT 3b)



SECTION OF TOP UNIT
(UNIT 1b)



PLAN FOR REINFORCEMENT
(UNIT 1a, 2a and 3a)



PLAN FOR REINFORCEMENT
(UNIT 1b, 2b and 3b)

TYPE OF CHAMBER	SIZE OF CHAMBER	TYPE	BAR REF. NO.	NO. REQ.	SIZE (mm)	LENGTH	BENDING DIAGRAM	REMARKS
A	SMALL 560 x 480	1a , 2a and 3a	A1	18	6	170	50 75 50	1) Plan and section of types 2a and 3a are to those type 2 and 3
			A2	1	6	2080	445 520 150	
			A3	1	6	1930	As for A2 above but side lengths 410 and 480	2) Concrete cover to reinforcement 10mm dia.
			A4	1	6	1780	As for A2 above but side lengths 370 and 445	
B	LARGE 840 x 760	1b , 2b and 3b	A1	24	6	170	50 75 50	1) Concrete cover to reinforcement 10mm dia.
			B2	1	6	3200	775 150 800	
			B3	1	6	3040	As for B2 above but side lengths 760 and 685	
			B4	1	6	2870	As for B2 above but side lengths 710 and 650	

TYPICAL DETAILS OF PRECAST CHAMBER

NO. FAIL MBPJ :

TAJUK PROJEK :

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PEMILIK / TANDATANGAN PENGUASA PROJEK :

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JABATAN KEJURUTERAAN
MAJLIS BANDARAYA PETALING JAYA

PERUNDING ARKITEK :

ARCA3
Arkitek Sdn. Bhd.
D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya, 47301 Petaling Jaya, Selangor. Tel:03-78875353 Fax:03-78878844

LEMBAGA ARKITEK MALAYSIA
Ar. Anuar B. Mohamed
ARKITEK
No. Pendaftaran LAM : A/A 29

"Saya memperakui bahawa perincí-perinci dalam pelan-pelan ini adalah menurut kehendak-kehendak Undang-undang Kecil Bangunan Seragam Selangor 1986 dan saya setuju terima tanggungjawab dengan sewajarnya"

PERUNDING C&S :

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No. 20–1F, Jalan AU 1A/4A,
Taman Keramat Permai,
54200 Kuala Lumpur.
Tel : 03–42654880
Email : ssdesignconsult@yahoo.com

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Mechanical & Electrical Consulting Engineers
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Tel : 03 - 9202 2302 // Email : bicemy@gmail.com

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5–6–5 Wisma Prima Peninsula,
Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur
Tel : 03–4252 2780 Fax : 03–4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

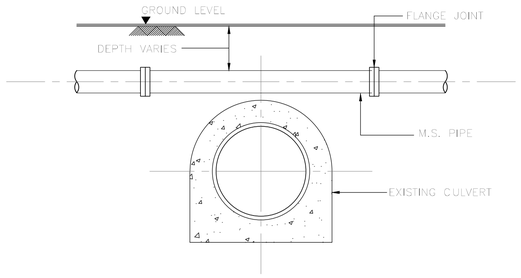
WATER RETICULATION
TYPICAL DETAIL OF AIR VALVE CHAMBER,SLUICE VALVE AND SCOUR VALVE CHAMBER AND PRECAST CHAMBER

SKALA
TERTERA

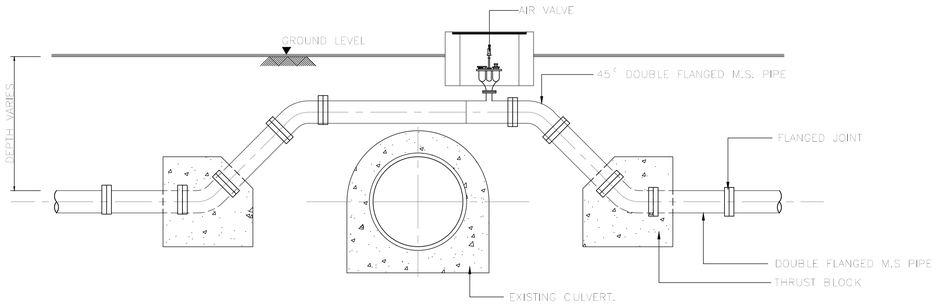
TARIKH
JAN 2026

NO LUKISAN
SSDC169-C/W403

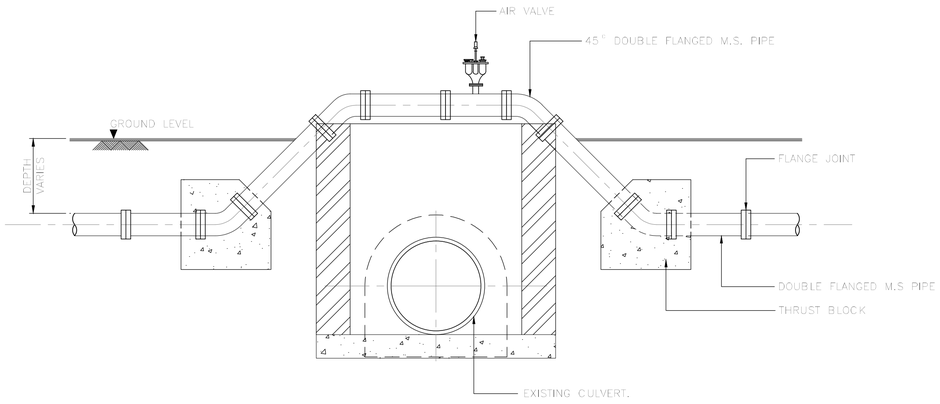
Dokumen Meja Terkawal



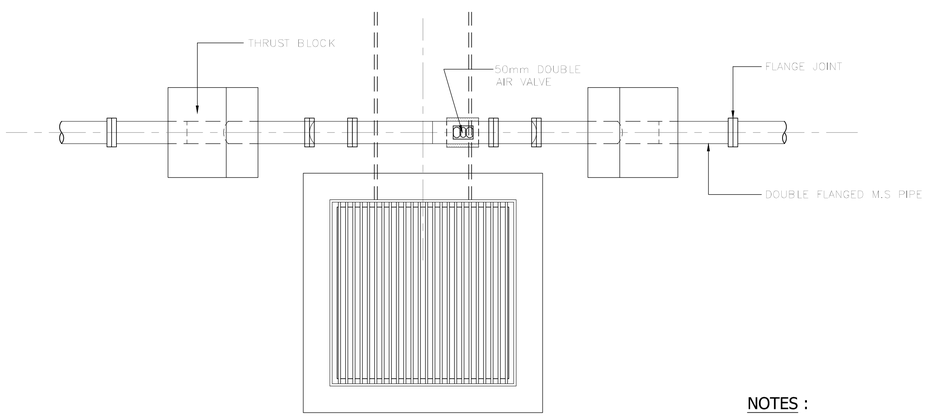
CULVERT CROSSING TYPE 1



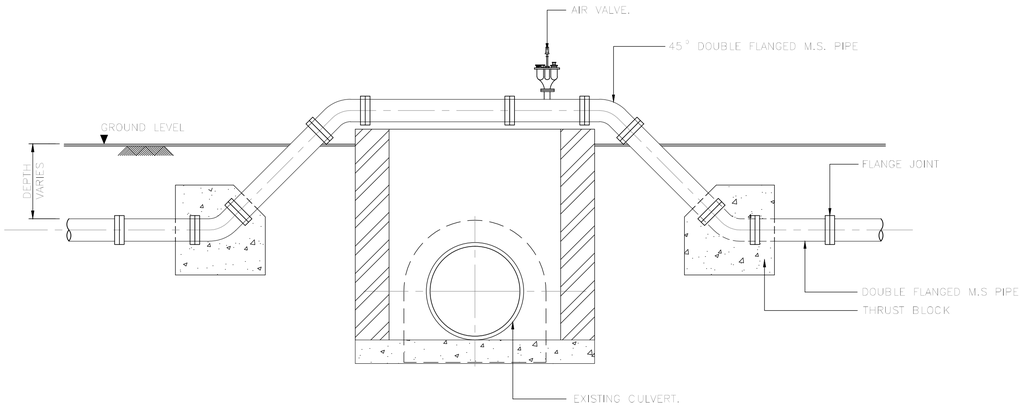
CULVERT CROSSING TYPE 2



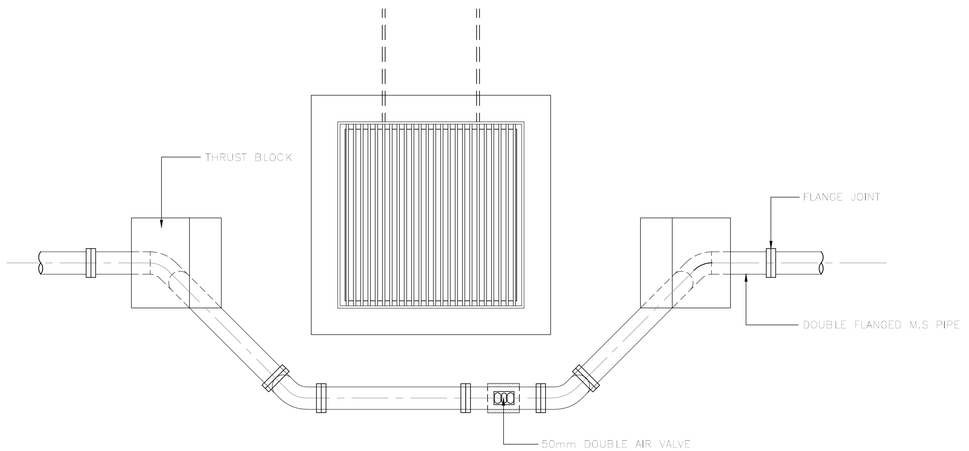
CULVERT CROSSING TYPE 3
NO SKEW



PLAN



CULVERT CROSSING TYPE 4
SKEW



PLAN

NOTES :

1. 1 INCH = 25.4mm
2. P.E.M.S (PLAIN ENDED MILD STEEL)
3. M.S (MILD STEEL)
4. ALL JOINTS ARE WELDED COLLAR JOINTS UNLESS SHOWN OTHERWISE.

NO. FAIL MBPJ :

TAJUK PROJEK :

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TAJUK LUKISAN

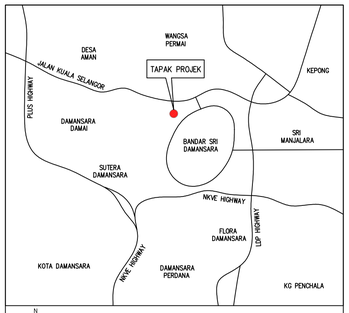
WATER RETICULATION
DETAILS OF PIPE CROSSING

SKALA
TERTERA

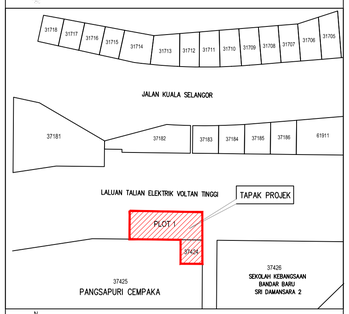
TARIKH
JAN 2026

NO LUKISAN
SSDC169-C/W404

Dokumen Meja Terkawal



KEY PLAN
Not To Scale

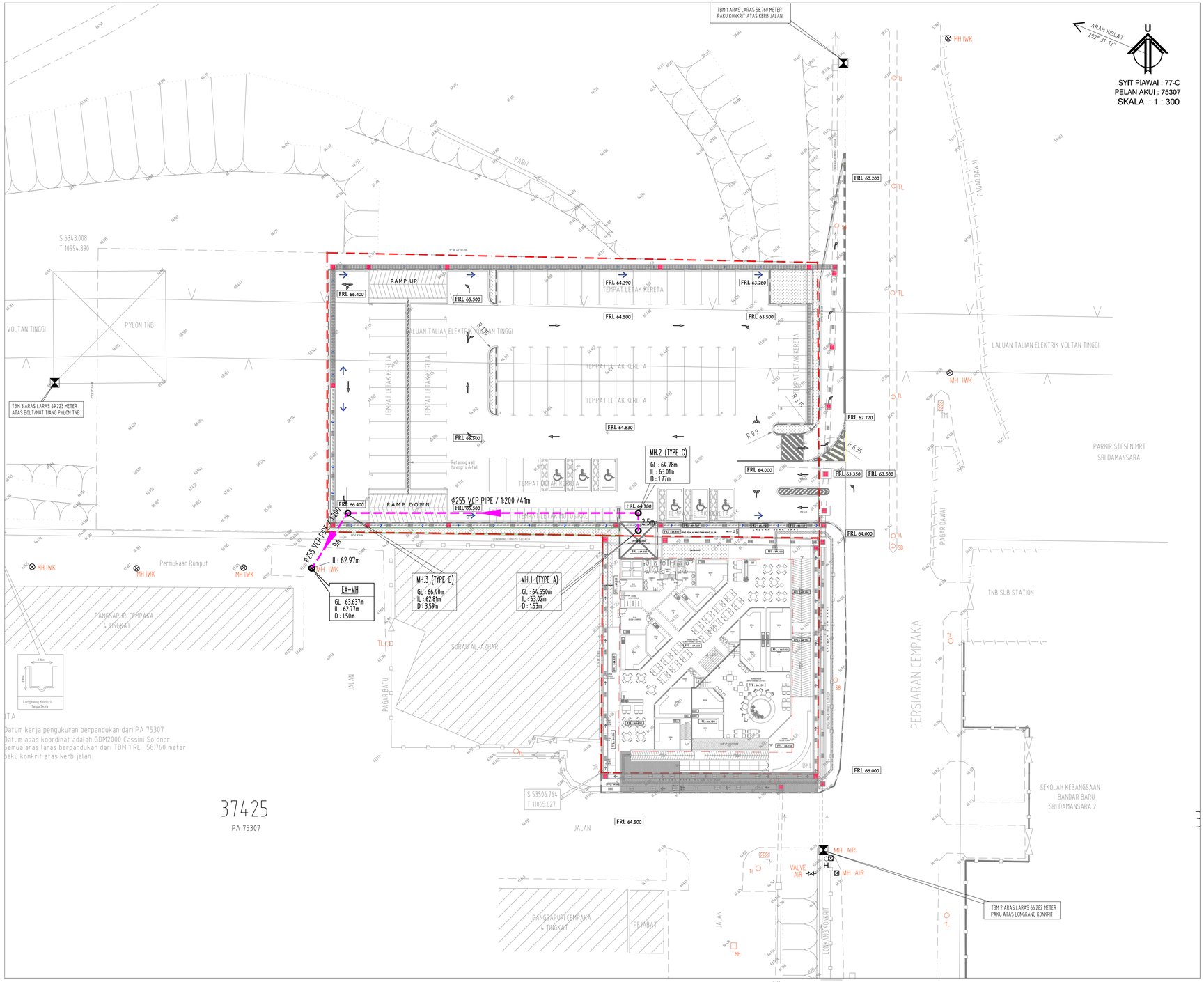


LOCATION PLAN
Not To Scale

NOTA SURVEY :

1. Datum kerja pengukuran berpandukan dari PA 75307
2. Datum asas koordinat adalah GDM2000 Cassini Soldner.
3. Semua aras laras berpandukan dari TBM 1 RL : 58.760 meter paku konkrit atas kerb jalan.

BKLO	Batu Konktir Lama		Longkang Konkrit
pk○	Paku Konkrit		Longkang Konkrit Bawah
	Cerun		Sump Longkang
	Tanda Aras Sementara	IL	Aras Dalam
○ TL	Tiang Lampu		Arah Aliran Air
	Pagar Batu		Jalan Tar
	Guard Rail	MH IWK	Manhole Kumbahan Sediada



NOTA IWK :

1. UNLESS OTHERWISE INDICATED ALL SEWER PIPES SIZE SHALL BE OF 225mm DIAMETER.
2. UNLESS OTHERWISE SPECIFIED ALL SEWER PIPES SHALL BE OF VITRIFLIED CLAY PIPE (VCP).
3. ULESS OTHERWISE SPECIFOED ALL SEWER PIPES SHALL BE OF GRADIENT 1:200.
4. I.L = INVERT LEVEL , G.L = GROUND LEVEL
5. ALL DIMENSION ARE IN MM UNLESS OTHERWISE SPECIFIED.
6. D' IS OUTSIDE DIAMETER OF PIPE SHALL IN ALL CASES. CONCRETE SHALL BE EXTENDED BEYOND LENGTH SHOWN ON ON PLANS TO NEXT PIPE JOINT.
7. MANHOLE TYPE A FOR DEPTH OF MANHOLE BETWEEN 1200mm AND 2115mm.
8. MANHOLE TYPE B FOR DEPTH OF MANHOLE MORE THAN 2115mm.
9. TIMBER PILES ARE OPTIONAL TO S.O APPROVAL.
10. ALL JOINTS SHALL BE SEALED WITH A BITUMEN BASED JOINT SEALANT.
11. ALL PRECAST CONCRETE TO BE OF 1:2:4 MIX.
12. FOR 225mm AND 300mm DIA. PIPES USE GLAZED WARE CHANNELS FOR 375mm TO 750mm DIA. PIPES USE PRECAST HIGH ALUMINA GRANOLITHIC CEMENT CONCRETE CHANNELS.
13. ALL PRECAST CONCRETE MANHOLE UNITS MUST BE MANUFACTURE IN ACCORCANCE TO B.S 5911 PART USBL.
14. HEAVY DUTY MANHOLE COVER AND FRAME MUST COMPLY WITH THE SPECIFICATION SATTACHED AND MANUFACTURED BY A MANUFACTURE APPROVED BY THE SEWERAGE SERVICE DEPARTMENT.
15. SINGLE PIECE CIRCULAR COVER, SINGLE SEAL MEDIUM DUTY CI OPENING MANHOHE COVER WITH BLACK BITUMEN COATING.
17. PIPE LEAKAGE TEST BETWEEN MANHOLES SHALL BE CONDUCTED IN THE PRESENCES OF JPP/IWK PERSONNEL. ALL TEST RESULTS SHALL BE KEPT AND SUBMITTED DURING C.F INSPETION.
18. AIR LEAKAGE TEST SHALL BE CONDUCTED IN ACCORDANCE TO MS 1228, SECTION. 4.41
19. WATER LEAKAGE TEST SHALL BE CONDUCTED BETWEEN MANHOLES IN ACCORDANCE TO MS 1228 SECTION 4.42.
20. ALL TEST EQUIPMENTS USED TO CARRY OUT THE NECESSARY TEST SHALL BE PROVIDED BY THE DEVELOPER AND ALL COST TO BE BOURNE BY THE DEVELOPER.
21. 'MAXIMUM LEAKAGE ' ALLOWED IN A RETICULATION SYSTEM SHALL NOT EXCEED 20 LITRE/mm DIAMETER/km PIPE PER DAY
22. SEMUA KERJA–KERJA DAN AKTIVITI BERKAITAN PERLU DI JALANKAN DENGAN CARA YANG TERSELAMAT BERPANDUKAN AMALAN–AMALAN KESELAMATAN DAN KESIHATAN YANG BOLEH DITERIMA DAN MEMATUHI SERTA MENGIKUT KEHENDAK–KEHENDAK SECARA KESELURUHANNYA DAN TIDAK HANYA TERHAD KEPADA AKTA KESELAMATAN DAN KESIHATAN PEKERJAAN 1994 DAN AKTA KILANG

225ø/1:200/39m	–	VCP/GRADIENT/LENGTH
	–	BOUNDARY
	–	SEWER LINE AND INSPECTION CHAMBER (IC) BY M&E
	–	PROPOSED NEW SEWER LINE AND MANHOLE
IC – 1	–	NO. OF IC
MH.1	–	NO. OF MANHOLE
GL 64.550m	–	GROUND LEVEL IN METRE
IL 63.02m	–	INVERT LEVEL IN METRE
D 1.53m	–	DEPTH IN METER

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

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54200 Kuala Lumpur
Tel : 03–4252 2780 Fax : 03–4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

SEWERAGE

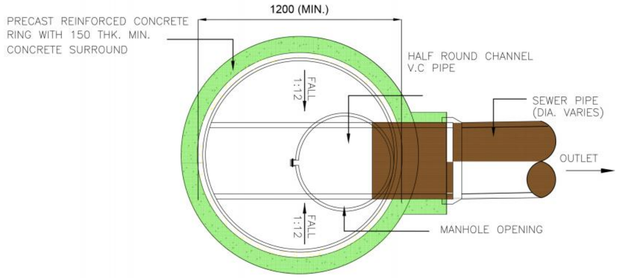
PELAN KUNCI DAN LOKASI
PELAN SUSUNATUR
- 140 PE

SKALA : 1 : 300

TARIKH : JAN 2026

NO LUKISAN

SSDC 169 - C/S500

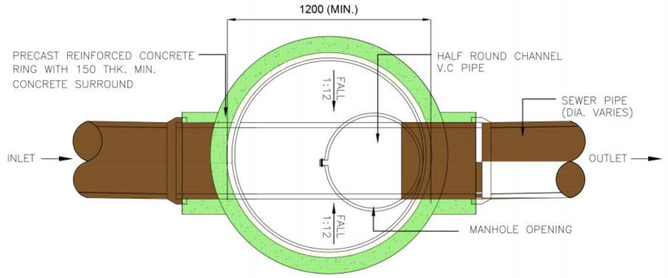


SECTIONAL PLAN VIEW

MANHOLE TYPE A

(FIRST MANHOLE)

NOTE : ONE OUTGOING PIPE

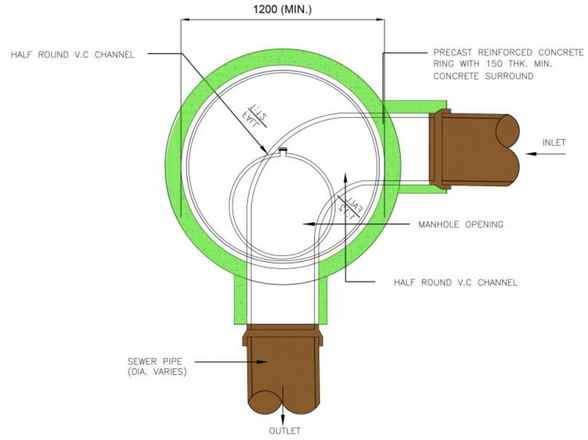


SECTIONAL PLAN VIEW

MANHOLE TYPE B

(STRAIGHT THROUGH)

NOTE : ONE INCOMING AND ONE OUTGOING PIPE

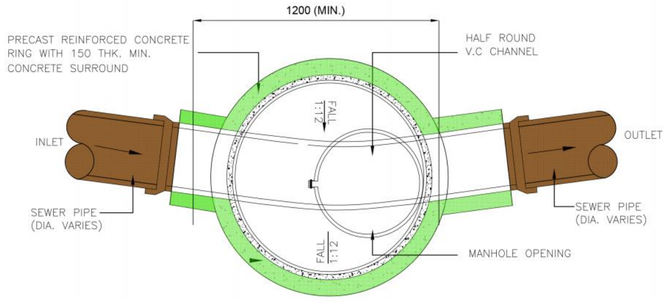


SECTIONAL PLAN VIEW

MANHOLE TYPE C

(CHANGE OF DIRECTION – 90° BEND)

NOTE : ONE INCOMING AND ONE OUTGOING PIPE

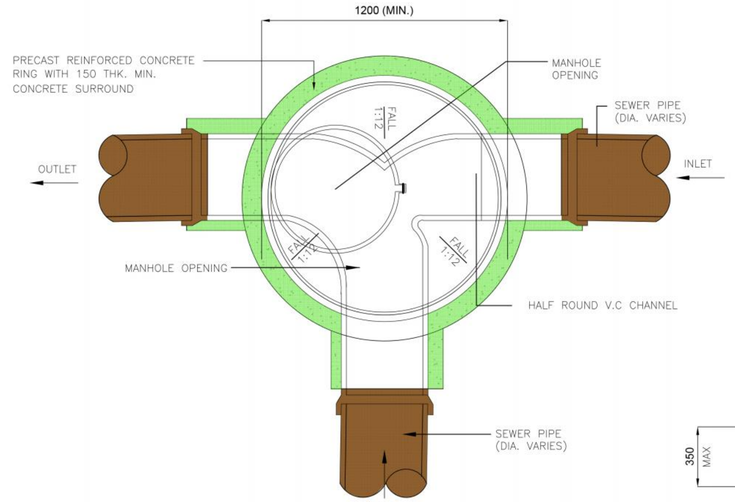


SECTIONAL PLAN VIEW

MANHOLE TYPE D

(CHANGE OF DIRECTION)

NOTE : ONE INCOMING AND ONE OUTGOING PIPE



SECTIONAL PLAN VIEW

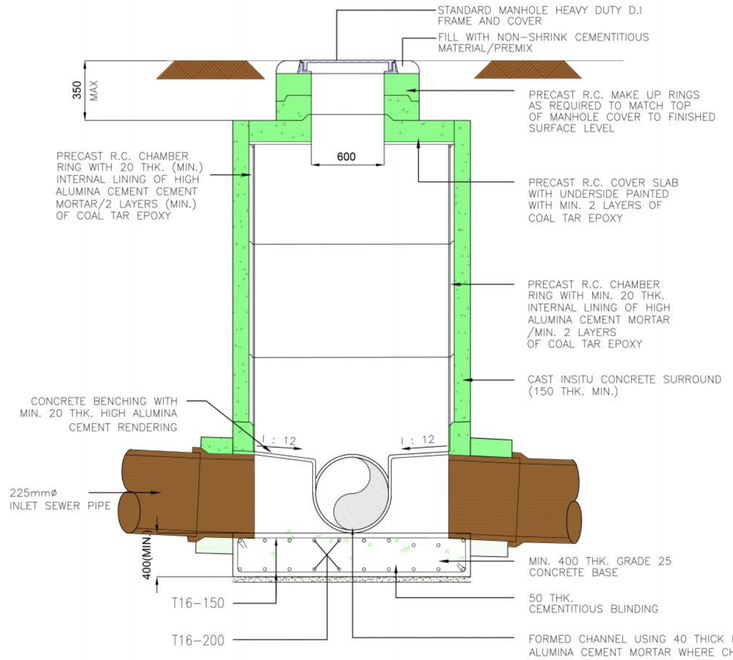
MANHOLE TYPE E

(MULTIPLE INCOMING)

NOTE : TWO INCOMING AND ONE OUTGOING PIPE

NOTES:

1. ALL DIMENSIONS SHOWN ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. DIAMETER OF PIPE INSIDE MANHOLE BASE TO BE OF EQUAL SIZE OR LARGER THAN THE INCOMING PIPE METER.
3. PIPE CONNECTIONS TO ANY ONE MANHOLE SHALL BE MAXIMUM 4 NUMBERS ADDITIONAL MANHOLE SHALL BE PROVIDED TO RECEIVE EXTRA PIPE CONNECTIONS
4. THE WALL OF MANHOLE THAT RECEIVES INCOMING PIPES SHAL BE CAST MONOLHITICALLY
5. ALL COATING DETAILS TO REFER TO SECTIONS OF MANHOLE DRAWINGS.
6. FOR MANHOLE COVER WITH HINGE, OPENING OF COVER SHALL BE PERPENDICULAR TO THE DIRECTION OF FLOW AND IN ANYWAY SHOULD NOT OBSTRUCT THE ACCESS OF MANHOLE FOR MAINTENANCE WORKS.



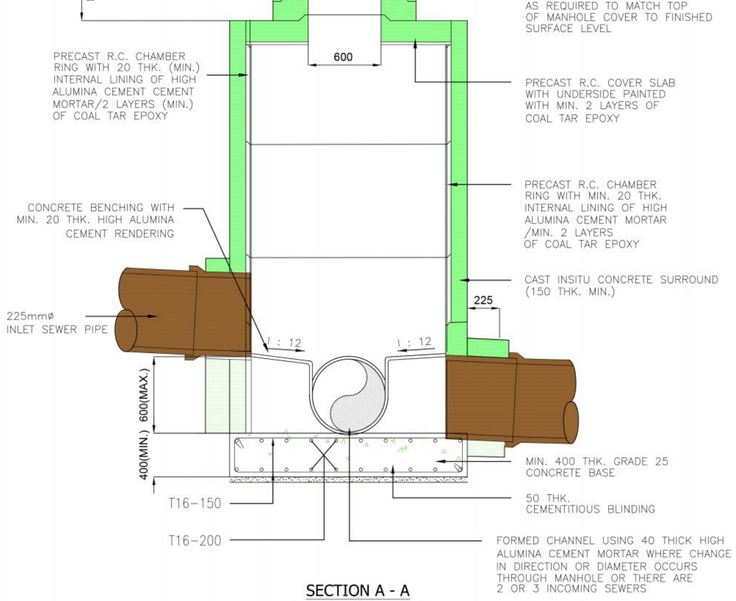
SECTION A-A

SHALLOW PRECAST CONCRETE MANHOLE

(GROUND LEVEL TO INVERT LEVEL OF PIPE 1.5 < DEPTH < 2.5 METRES)

NOTES:

1. ALL DIMENSIONS SHOWN ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. S.I. IS REQUIRED TO DETERMINE SOIL CONDITION AND REQUIREMENT FOR PILING.
3. CONCRETE SURROUND SHALL BE A MINIMUM OF GRADE 20 WITH MAXIMUM AGREGATE SIZE 20.
4. BAKAU PILE IS NOT ALLOWED .
5. IN THE EVENT WHERE BAKAU PILE IS NOT TO BE USED, RELEVENT JUSTIFICATION HAS TO BE MADE ACCORDINGLY BY THE ENGINEER DEPICTING THAT IT IS THE MOST FEASIBLE OPTION AVAILABLE.
6. ROCKER PIPE SHALL BE 600 LONG FOR SEWERS UP TO 300 DIAMETER AND 900 LONG FOR LARGER DIAMETER SEWERS.
7. ALL STRUCTURAL ELEMENT REQUIREMENTS ARE SUBJECT TO ENGINEER'S DETAIL.
8. TOP OF MANHOLE COVER SHALL BE FLUSHED WITH THE FINISHED GROUND LEVEL.
9. TOP OF MANHOLE COVER TO FINISHED GROUND LEVEL TO BE 300– 1000 FOR MANHOLE CONSTRUCTED OFF ROAD.
10. FOR MANHOLE COVER WITH HINGE, OPENING OF COVER SHALL BE PERPENDICULAR TO THE DIRECTION OF FLOW AND IN ANYWAY SHOULD NOT OBSTRUCT TH EACCES OF MANHOLE FOR MAINTENANCE WORKS.
11. SEWER PIPES AND MANHOLE STRUCTURES SHOULD NOT BE CONSTRUCTED ON SLOPE OR WITHIN SLOPE FAILURE ENVELOPE. IN THE EVENT WHERE IT IS UNAVOIDABLE, THE SAID STRUCTURES MUST BE DESIGNED NOT TO ENCOUNTER SETTLEMENT OR THE SORTS AND AT ANY TIME AT RISK OF COLLAPSE DURING ITS OPERATING LIFESPAN.
12. OTHER TYPE OF LINING SHALL BE APPROVED BY SPAN AND IT SHALL BE A PART OF THE SUPPLIER REGISTRATION FOR MANHOLE.
13. CONSTRUCTION JOINTS ELEMENT REQUIREMENTS ARE SUBJECT TO ENGINEER'S DETAIL.
14. THE LENGTH OF SHAFT, CHAMBER & TAPER SECTION SHALL FOLLOW THE MS881:PART:1991.



SECTION A - A

(FREE DROP < 600)

SHALLOW PRECAST CONCRETE MANHOLE

(GROUND LEVEL TO INVERT LEVEL OF PIPE 1.5 < DEPTH < 2.5 METRES)

TENDER DRAWING

SS DESIGN CONSULT

NO. FAIL MBPJ :

Dokumen Meja Terkawal

TAJUK PROJEK :

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PEMILIK / TANDATANGAN PENGUASA PROJEK :

Ir. Ts. AHMAD ROSLAN BIN HAIRUDIN A.I.S
TIMBALAN PENGARAH
JABATAN KEJURUTERAAN
MAJLIS BANDARAYA PETALING JAYA

PERUNDING ARKITEK :

ARCA•3 Arkitek Sdn. Bhd.
D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya, 47301 Petaling Jaya, Selangor. Tel:03-78875353 Fax:03-78878844

Ar. Anuar B. Mohamed
ARKITEK
No. Pendaftaran LAM : A/A 29

"Saya memperakui bahawa perinci-perinci dalam pelan-pelan ini adalah menurut kehendak-kehendak Undang-undang Kecil Bangunan Seragam Selangor 1986 dan saya setuju terima tanggungjawab dengan sewajarnya"

PERUNDING C&S :

SS DESIGN CONSULT (001490635-T)
No. 20–1F, Jalan AU 1A/4A,
Taman Keramat Permai,
54200 Kuala Lumpur.
Tel : 03–42654880
Email : ssdesignconsult@yahoo.com

PERUNDING M&E :

BI CONSULTING ENGINEERS SDN. BHD. (64404-D)
Mechanical & Electrical Consulting Engineers
No. 27-2, 2nd Floor, Jalan 5/76B, Desa Pandan, 55100 Kuala Lumpur.
Tel : 03 - 9202 2302 // Email : bicemy@gmail.com

PERUNDING QS :

DBN CONSULT SDN BHD (1397824-W)
5–6–5 Wisma Prima Peninsula,
Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur
Tel : 03–4252 2780 Fax : 03–4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

SEWERAGE

PLAN VIEW OF TYPICAL MANHOLE, SECTION SHALLOW PRECAST CONCRETE MANHOLE GROUND LEVEL TO INVERT OF PIPE 1.5m < DEPTH < 2.5m FREE DROP < 600 & BACK DROP > 600,

SKALA

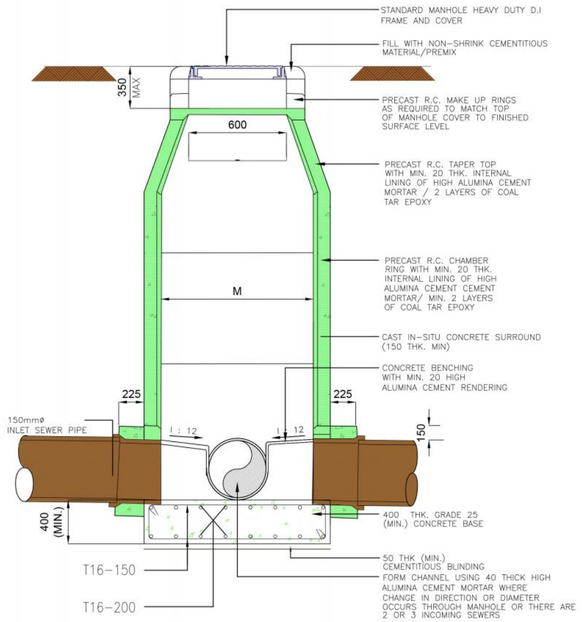
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TARIKH

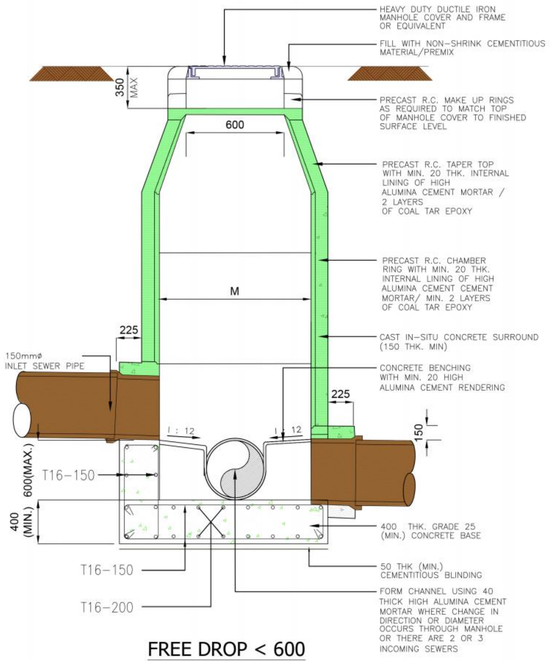
JAN 2026

NO LUKISAN

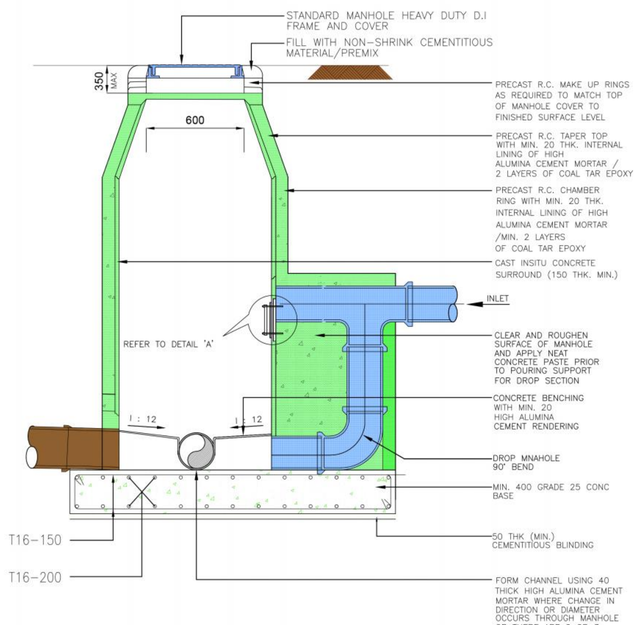
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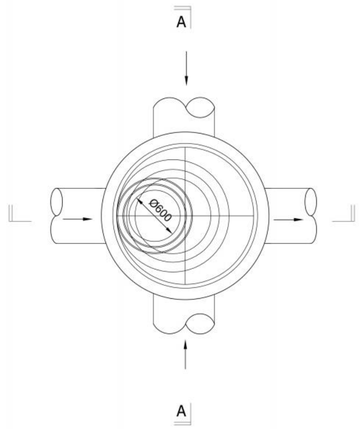
SECTION MEDIUM PRECAST CONCRETE MANHOLE
(GROUND LEVEL TO INVERT LEVEL OF PIPE
2.5 < DEPTH < 5.0 METRES



FREE DROP < 600
SECTION MEDIUM PRECAST CONCRETE MANHOLE
GROUND LEVEL TO INVERT LEVEL OF PIPE
2.5 < DEPTH < 5.0 METRES



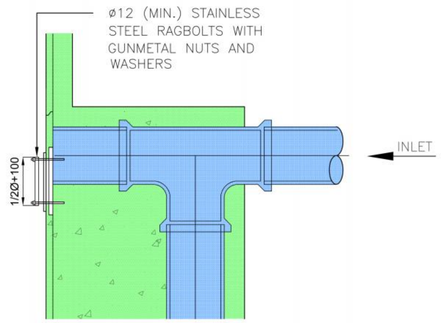
BACKDROP > 600
SECTION MEDIUM PRECAST CONCRETE MANHOLE
GROUND LEVEL TO INVERT LEVEL OF PIPE
2.5 < DEPTH < 5.0 METRES

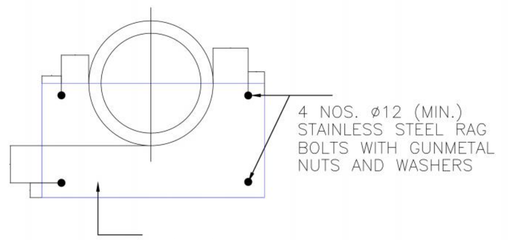


PLAN VIEW

NOTES:

1. ROCKER PIPE SHALL BE 600 LONG FOR SEWERS UP TO 300 DIAMETER AND 900 LONG FOR LARGER DIAMETER SEWERS.
2. DIMENSIONS ARE IN MILIMETERS UNLESS OTHERWISE STATED.
3. S.I IS REQUIRED TO DETERMINE SOIL CONDITION AND REQUIREMENT FOR PILING.
4. ALL STRUCTURAL ELEMENTS REQUIREMENT SUBJECT TO ENGINEER'S DETAIL
5. TOP OF MANHOLE COVER SHALL BE FLUSHED WITH THE FINISHED ROAD LEVEL.
6. TOP OF MANHOLE COVER TO GROUND FINISHED LEVEL TO BE 300-1000 FOR MANHOLE CONSTRUCTED OFF ROAD
7. THE WALL OF MANHOLE THAT RECEIVES INCOMING PIPES SHALL BE CAST MONOLHITICALLY.
8. SEWER PIPES AND MANHOLE STRUCTURES SHOULD NOT BE CONSTRUCTED ON SLOPE OR WITHIN SLOPE FAILURE ENVELOPE. IN THE EVENT WHERE IT IS UNAVOIDABLE, THE SAID STRUCTURES MUST BE DESIGNED NOT TO ENCOUNTER SETTLEMENT OF THE SORTS AND AT ANY TIME AT RISK OF OF COLLAPSE DURING ITS OPERATING LIFESPAN.
9. FOR MANHOLE COVER WITH HINGE, OPENING OF COVER SHALL BE PERPENDICULAR TO THE DIRECTION OF FLOW AND IN ANYWAY SHOULD NOT OBSTRUCT THE ACCESS OF MANHOLE FOR MAINTENANCE WORKS.





DETAIL 'A'
COVER PLATE

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :
Dokumen Meja Terkawal

TAJUK PROJEK :

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TAJUK LUKISAN

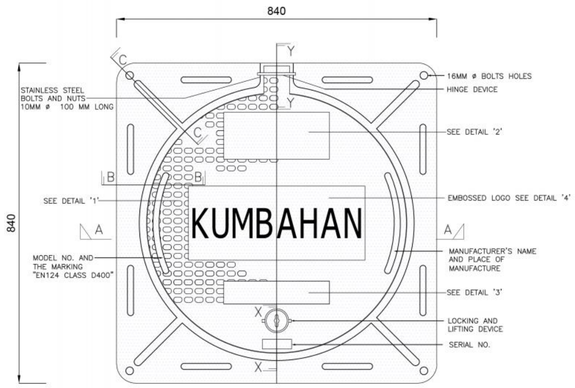
SEWERAGE

SECTION MEDIUM PRECAST CONCRETE MANHOLE, FREE DROP <600 AND BACK DROP >600, GROUND LEVEL TO INVERT OF PIPE 2.5m < DEPTH < 5.0m

SKALA
TERTERA

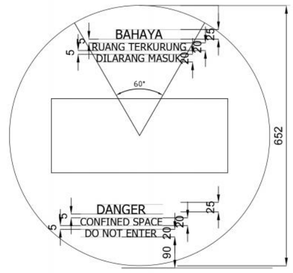
TARIKH
JAN 2026

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SSDC169-C/S503

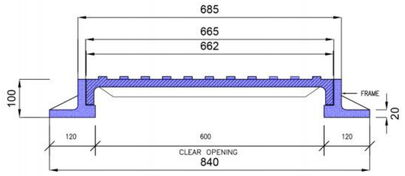


PLAN OF STANDARD DUCTILE IRON (HEAVY DUTY) MANHOLE COVER AND FRAME

SCALE: 1=5

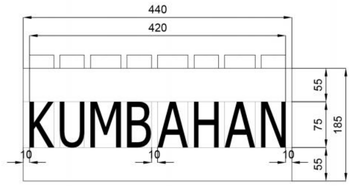


DETAIL '2' & '3' : EMBOSSED DESIGN

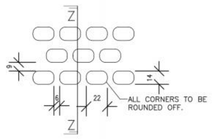


SECTION A–A

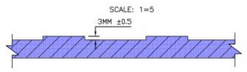
SECTION OF HEAVY DUTY D.I MANHOLE COVER AND FRAME



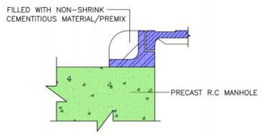
DETAIL '4' : EMBOSSED LOGO



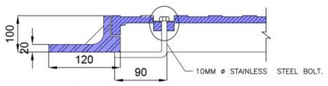
DETAIL '1' : COVER SURFACE FINISH



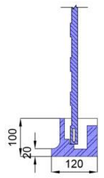
SECTION Z–Z



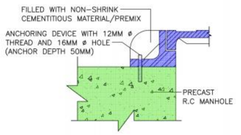
SECTION B–B



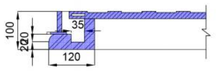
SECTION X–X: TYPICAL LOCKING DEVICE



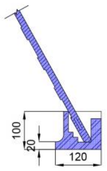
SECTION Y–Y: COVER HINGED OPEN AT 90°



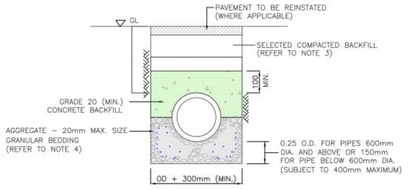
SECTION C–C



SECTION Y–Y: TYPICAL HINGE



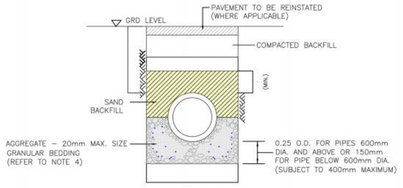
SECTION Y–Y: COVER HINGED OPEN AT MINIMUM 100°



PIPE EMBEDDED IN CAREFULLY COMPACTED 20mm (MAX SIZE) AGGREGATE. EXTENDING HALFWAY UP TO THE SIDE OF THE PIPE. THE REMAINDER SIDE AND TOP TO BE FILLED AND COMPACTED WITH MONOLITHIC PLAIN CONCRETE

CLASS 'A' BEDDING

(LOAD FACTOR = 2.8)



PIPE EMBEDDED IN CAREFULLY COMPACTED 20mm (MAX SIZE) AGGREGATE. EXTENDING HALFWAY UP TO THE SIDE OF THE PIPE. THE REMAINDER SIDE AND TOP TO BE FILLED AND COMPACTED CAREFULLY WITH SELECTED BACKFILL.

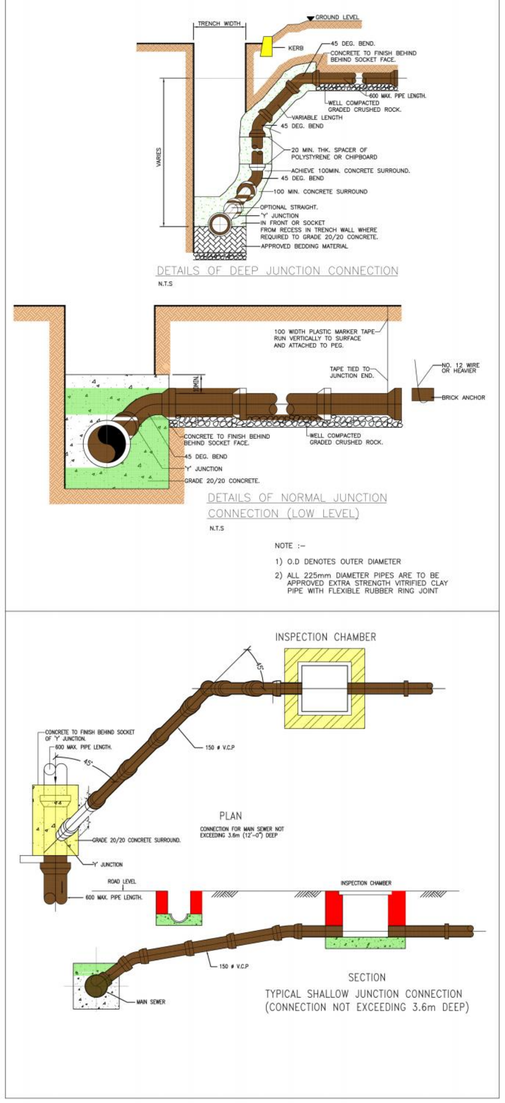
CLASS 'B' BEDDING

(LOAD FACTOR = 1.9)

PIPE SIZE (mm DIA)	MAXIMUM TRENCH WIDTH (mm DIA), W
100	700
150	750
225	825
300	900

TABLE - 1

MAXIMUM TRENCH WIDTH



DETAILS OF DEEP JUNCTION CONNECTION

N.T.S

DETAILS OF NORMAL JUNCTION CONNECTION (LOW LEVEL)

N.T.S

NOTE :–

1) O.D DENOTES OUTER DIAMETER
2) ALL 225mm DIAMETER PIPES ARE TO BE APPROVED EXTRA STRENGTH VITRIFIED CLAY PIPE WITH FLEXIBLE RUBBER RING JOINT

PLAN

CONNECTION FOR MAIN SEWER NOT EXCEEDING 3.6m (12'-0") DEEP

SECTION

TYPICAL SHALLOW JUNCTION CONNECTION (CONNECTION NOT EXCEEDING 3.6m DEEP)

DEPTH OF COVER H(mm)	VITRIFIED CLAY PIPE MINIMUM REQUIRED PIPE CRUSHING STRENGTH (kN/M)						
	100mm DIA	150mm DIA	200mm DIA	225mm DIA	300mm DIA	375mm DIA	450mm DIA
1.0	28	28	32	28	36	45	43
1.5	28	28	32	28	36	45	43
≤ 2.0	28	28	32	28	36	45	43
≤ 2.5	28	28	32	36	36	45	43
≤ 3.0	28	28	32	36	36	45	43
≤ 3.5	28	28	32	36	36	45	43
≤ 4.0	28	28	32	36	36	45	43
≤ 4.5	28	28	32	36	36	45	43
≤ 5.0	28	28	32	36	36	45	43
≤ 5.5	28	28	32	36	36	45	43

TRAFFIC COVER	900	900	900	900	900	900	900
MIN. BED THICKNESS	100	100	150	150	150	150	150

USE CLASS 'B' BEDDING USE CLASS 'A' BEDDING

TABLE – 2

STRENGTH OF VCP FOR VARIOUS DEPTH

NOTE:
ALL VCP PIPES CRUSHING STRENGTH, FN (kN/m) FOR VARIOUS DIAMETER OF PIPE TO BE REFERRED TO TABLE 4 AND TABLE 5, MS 1061: PART 1

NOTES

1. ALL DIMENSIONS ARE IN MILIMETRES UNLESS OTHERWISE STATED.
2. S.I IS REQUIRED TO DETERMINE SOIL CONDITION AND REQUIREMENT FOR PILING.
3. SELECTED COMPACTED BACKFILL FOR RIGID PIPE SHALL BE COMPACTED DRY SOIL (FREE FROM VEGETABLE ORGANIC MATTERS AND EXCAVATION/COMPACTED DRY RED EARTH/SAND/ CHIPPING/STONES NOT GREATER THAN 25MM.
4. MATERIAL FOR GRANULAR BEDDING SHALL BE APPROVED BY THE ENGINEER.
5. BEDDING IS TO BE USED FOR ALL PIPES UNDER NORMAL SITE CONDITION UNLESS DIRECTED OF SHOWN BY THE ENGINEER.
6. UNDER CIRCUMTANCES WHERE BEDDING IS NOT PERMISSIBLE AT SITE, THE BEDDING SHALL BE DESIGNED AND APPLIED ACCORDINGLY AS DIRECTED BY THE ENGINEER.
7. TABLE 2 AND TABLE 3 SHALL BE USED STRICTLY IN ACCORDANCE WITH THE RELEVANT REQUIREMENTS. PROPER DESIGN SHALL BE CARRIED OUT BY THE ENGINEER SHOULD THE REQUIREMENTSCOULD NOT BE MET.
8. WHENEVER CONCRETE BACKFILL OR ENCASEMENT IS PLACED, A TRANSVERSE BREAK AT EACH PIPE JOINT SHALL BE MADE AS SPECIFIED TO MAINTAIN FLEXIBILITY OF THE PIPE LINE. EXPANSION MATERIAL SHALL BE FULL DEPTH AND PLACED AS DIRECTED BY THE ENGINEER.
9. DEFLECTION AT FLEXIBLE PIPE JOINTS SHALL NOT BE MORE THAN SPECIFIED IN ACCORDANCE TO THE RESPECTIVE PIPE STANDARD IN THE INSTALLED POSITION IN ANY DIRECTION AND TO BE TESTED ACCORDINGLY.
10. TRAFFIC COVER REFERS TO MINIMUM COVER REQUIRED BEFORE TRAFFIC LOAD BECOMES NEGLIGIBLE. CONCRETE BACKFILL AS IN CLASS 'A' BEDDING IS REQUIRED IF MINIMUM COVER CANNOT BE ACHIEVED WITH MINIMUM BED THICKNESS AS SHOWN IN TABLE 2.
11. FOR FILLING OF TRENCHES ALONG/ACROSS EXISTING CARRIAGEWAY, BACKFILL MATERIAL SHALL BE SAND FROM AN APPROVED SOURCE AND TO BE COMPACTED BY FLOODING IN 300MM MAXIMUM LAYERS IN CONJUNCTION WITH THE ENGINEER'S REQUIREMENTS.
12. FOR FILLING OF TRANCHES ALONG/ACROSS NEW CARRIAGEWAY, SELECTED COMPACTED BACKFILL SHALL BE HAND RAMMED IN 150 MM LAYERS AND BY MECHANICAL RAMMERS FOR THE TOP 600MM TO 90% OR 95% DRY DENSITY AS SPECIFIED.
13. ALL FOUNDATION, BEDDING, HOUNCHING AND INITIAL BACKFILL TO BE INSTALLED AND COMPACTED IN 150MM MAXIMUM LAYERS.
14. WHERE SAND IS USED AS BEDDING OF BACKFILL MATERIAL, IT SHOULD BE COMPACTED BY FLOODING AT PRESCRIBED LAYERS.
15. FOR THE PURPOSE OF STRUCTURAL DESIGN THE NOMINAL WALL THICKNESS AND/OR NOMINAL OUTSIDE DIAMETER SHOULD BE DECLARED BY THE MANUFACTURER.
16. SEWER PIPES AND MANHOLE STRUCTURES SHOULD NOT BE CONSTRUCTED ON SLOPE OR WITHIN SLOPE FAILURE ENVELOPE, IN THE EVENT WHERE IT IS UNAVOIDABLE, THE SAID STRUCTURES MUST BE DESIGNED NOT TO ENCOUNER SETTLEMENT OR THE SORTS AND AT ANY TIME AT RISK OF COLLAPSE DURING ITS OPERATING LIFE SPAN.
17. ABBREVIATION :
    DN = NORMAL SIZE
    OD = OUTER DIAMETER OF PIPE
    M = CLASS M 1.5H = CLASS 1.5H
    H = CLASS H 2H = CLASS 2H

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :
Dokumen Meja Terkawal

TAJUK PROJEK :

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Email : dbnc2020@yahoo.com

TAJUK LUKISAN

SEWERAGE

BEDDINGS FOR RIGID PIPE OF PLUGGING AND SERVICE CONNECTION MANHOLE COVER DETAIL & PREMISES CONNECTION TO MAIN SEWER

SKALA: TERTERA

TARIKH: JAN 2026

NO LUKISAN

SSDC169-C/S504

Dokumen Meja Terkawal

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN

UNTUK

MAJLIS BANDARAYA PETALING JAYA.

STRUKTUR

NO	DRAWING NO.	DRAWING TITLE
1	SSDC169/MBPJ/S/FTG-01	FOOTING LAYOUT PLAN. FOOTING & COLUMN SCHEDULE. TYPICAL DETAIL OF NON-SUSPENDED SLAB @ GROUND FLOOR.
2	SSDC169/MBPJ/S/LGB-01	LOWER GROUND FLOOR PLAN. TYPICAL SECT. OF R.C WALL. TYPICAL SECT. OF R.C SLAB (CORRIDOR). R.C SLAB SECTION DETAILS.
3	SSDC169/MBPJ/S/LGB-02	LOWER GROUND BEAM DETAILS.
4	SSDC169/MBPJ/S/LGB-03	LOWER GROUND BEAM DETAILS. (CONT'. 1)
5	SSDC169/MBPJ/S/LGB-04	LOWER GROUND BEAM DETAILS. (CONT'. 2)
5	SSDC169/MBPJ/S/GB-01	GROUND FLOOR PLAN. TYPICAL DETAIL OF R.C RAMP (3a). TYPICAL DETAIL OF R.C STAIR (1), (2) & (3). R.C SLAB SECTION DETAILS.
7	SSDC169/MBPJ/S/GB-02	GROUND BEAM DETAILS.
8	SSDC169/MBPJ/S/GB-03	TYPICAL DETAIL OF R.C STEP. TYPICAL DETAIL OF R.C RAMP (1) & (2).
9	SSDC169/MBPJ/S/1B-01	1st FLOOR LAYOUT PLAN. TYPICAL DETAIL OF R.C RAMP (3b). R.C SLAB SECTION DETAILS.
10	SSDC169/MBPJ/S/1B-02	1st FLOOR BEAM DETAILS.
11	SSDC169/MBPJ/S/1B-03	1st FLOOR BEAM DETAILS. (CONT'. 01)
12	SSDC169/MBPJ/S/1B-04	1st FLOOR BEAM DETAILS. (CONT'. 02)
13	SSDC169/MBPJ/S/LRB&URB-01	LOWER & UPPER ROOF LAYOUT PLAN (r.c). LOWER ROOF BEAM DETAILS. R.C FLATSLAB SECTION DETAILS.
14	SSDC169/MBPJ/S/LRB&URB-02	UPPER ROOF BEAM DETAILS.
15	SSDC169/MBPJ/S/LRB&URB-03	UPPER ROOF BEAM DETAILS. (CONT'.)
16	SSDC169/MBPJ/S/TR-01	ROOF TRUSSES LAYOUT PLAN (UPPER LEVEL). TRUSSES 'A' AND ALL TYPICAL DETAILS.
17	SSDC169/MBPJ/S/TR-02	ROOF TRUSSES LAYOUT PLAN (MIDDLE LEVEL). TRUSSES 'B' & 'C' AND ALL TYPICAL DETAILS.
18	SSDC169/MBPJ/S/TR-03	ROOF TRUSSES LAYOUT PLAN (LOWER LEVEL). TRUSSES 'D' AND ALL TYPICAL DETAILS.

TENDER DRAWING

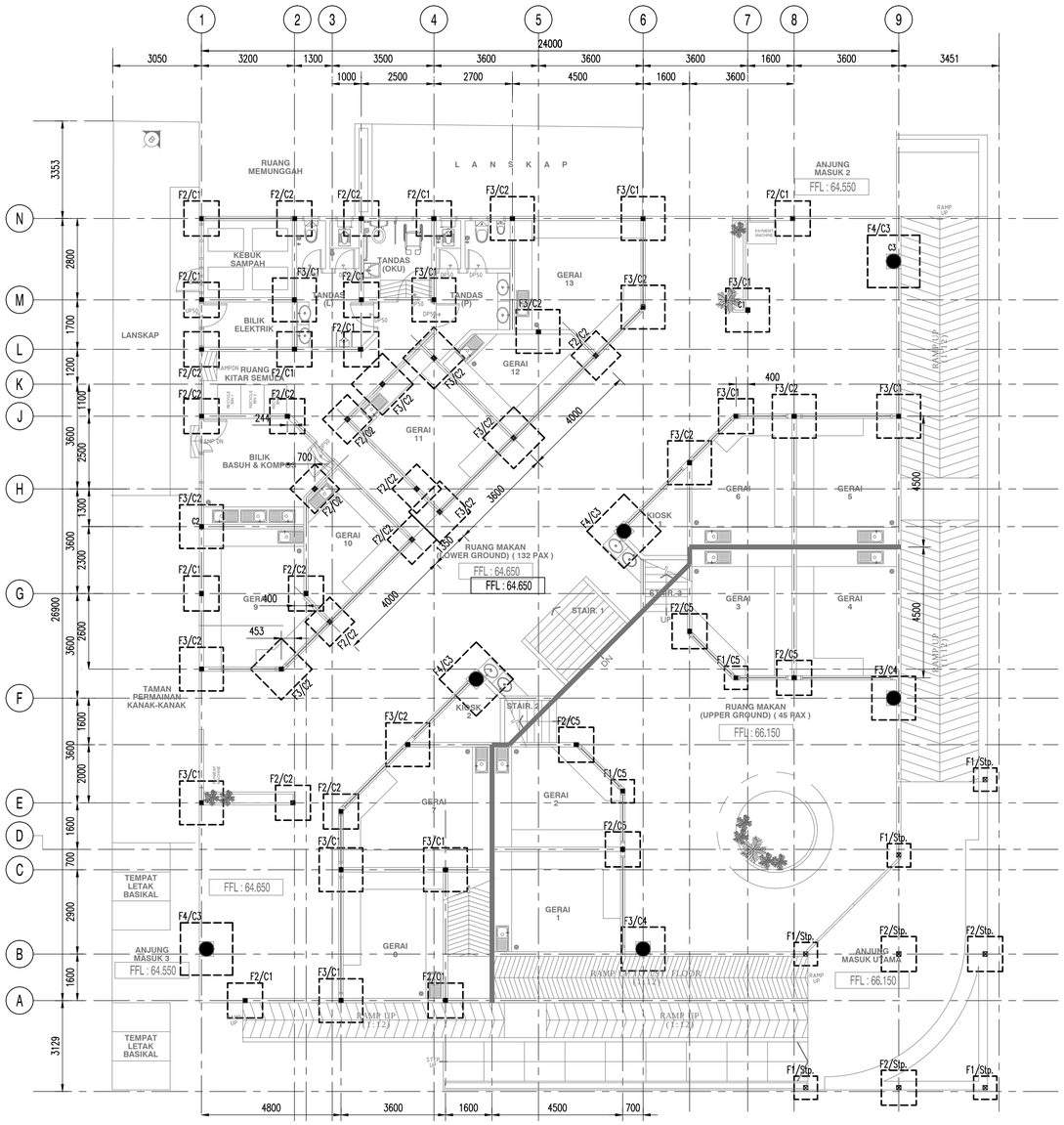
PEMILIK :

MAJLIS BANDARAYA PETALING JAYA
Jalan Yong Shook Lin, 46675 Petaling Jaya
Selangor Darul Ehsan.
Tel. No : 03-7956 3544 Fax : 03-7958 1494
E-MEL : aduan@mbpj.gov.my

PERUNDING AWAM DAN STRUKTUR :

SS DESIGN CONSULT (001490635-T)
JURUTERA PERUNDING AWAM & STRUKTUR
No. 20-1F, JALAN AU 1A/4A, TAMAN KERAMAT PERMAI,
54200 KUALA LUMPUR, SELANGOR DARUL EHSAN
Tel. No. : 03-4251 5880 Fax. No. : 03-4251 6880
Email : ssdesignconsult@yahoo.com

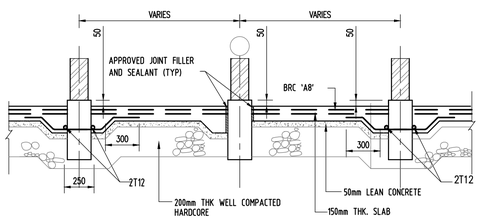
Dokumen Meja Terkawal



FOOTING LAYOUT PLAN

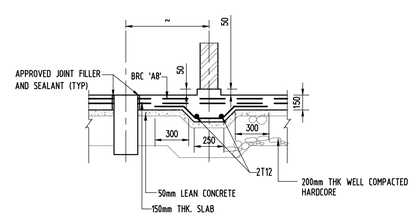
SCALE 1 : 100

NOTES :
1. ALL R.C FOOTING SIZE SHALL BE REFER FOOTING SCHEDULE.
2. St.=STIFFENER ; Stp.=STUMP ; CB.=COLUMN ON BEAM ; CW = COLUMN ON WALL(R.C)
3. THE HEIGHT LEVEL OF ALL FLOOR SHALL BE REFER /FOLLOW TO ARCHITECTURE PLAN.



GROUND FLOOR 150mm THK. NON-SUSPENDED SLAB

SCALE 1:30



GROUND FLOOR 150mm THK. SLAB AT BRICKWALL

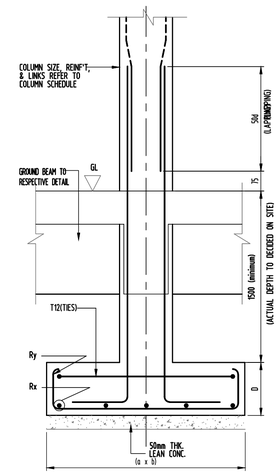
SCALE 1:30

UP. ROOF LEV. / LOW ROOF LEV.	◻		◻			◻			540
SIZE	150 x 150		500 ø			150 x 150			
REINFORCEMENT	4 T12		8 T16			4 T12			
LINK	R6 AT 125c/c		R8 AT 200c/c			R6 AT 125c/c			
LOW ROOF LEV. / 1st. FLOOR LEV.	◻		◻	◻	◻	◻	◻		540
SIZE	150 x 150		500 ø	500 ø	150 x 150	150 x 150	150 x 150		
REINFORCEMENT	4 T12		8 T16	8 T16	4 T12	4 T12	4 T12		
LINK	R6 AT 125c/c		R8 AT 200c/c	R8 AT 200c/c	R6 AT 125c/c	R6 AT 125c/c	R6 AT 125c/c		
1st. FLOOR LEV. / GRD FLR LEV.	◻	◻	◻	◻	◻		◻		540
SIZE	150 x 150	150 x 150	500 ø	500 ø	150 x 150		150 x 150		
REINFORCEMENT	4 T16	4 T12	8 T20	8 T16	4 T12		4 T12		
LINK	R6 AT 125c/c	R6 AT 125c/c	R8 AT 200c/c	R8 AT 200c/c	R6 AT 125c/c		R6 AT 125c/c		
GRD FLR LEV. / LG LEV.	◻	◻	◻	◻	◻			◻	540
SIZE	150 x 150	150 x 150	500 ø	500 ø	150 x 150			150 x 150	
REINFORCEMENT	4 T16	4 T12	8 T20	8 T16	4 T12			4 T12	
LINK	R6 AT 125c/c	R6 AT 125c/c	R8 AT 200c/c	R8 AT 200c/c	R6 AT 125c/c			R6 AT 125c/c	
LG LEV. / STUMP	◻	◻	◻	◻	◻			◻	540
SIZE	150 x 150	150 x 150	500 ø	500 ø	150 x 150			150 x 150	
REINFORCEMENT	4 T16	4 T16	8 T20	8 T16	4 T12			4 T12	
LINK	R6 AT 125c/c	R6 AT 125c/c	R8 AT 200c/c	R8 AT 200c/c	R6 AT 125c/c			R6 AT 125c/c	
COLUMN MARK	C1	C2	C3	C4	C5	CB (COLUMN ON BEAM)	CW (COLUMN ON R.C WAL)	Stp. (STUMP)	

COLUMN SCHEDULE

SCALE 1 : 20

NOTES:-
STIFF.(ST.) SHALL BE 125 x 125 WITH 4T12 AND R6 AT 250 c/c, UNLESS OTHERWISE STATED.



FOOTING DETAIL

N.T.S
1. THE DESIGN SOIL BEARING CAPACITY = 100kN/m²
2. CENTERLINE OF FOOTING = CENTERLINE OF COLUMN

FOOTING SCHEDULE

FOOTING TYPE	FOOTING SIZE (a x b)	D	REINFORCEMENT Rx	REINFORCEMENT Ry
F1	800 x 800	450	T12-150c/c	T12-150c/c
F2	1200 x 1200	450	T12-150c/c	T12-150c/c
F3	1500 x 1500	450	T12-150c/c	T12-150c/c
F4	2000 x 2000	450	T12-150c/c	T12-150c/c

GENERAL NOTES :

A. WORKMANSHIP

1. All workmanship shall be carried out strictly in accordance with contract specifications and relevant B.S code of practice.
2. All construction joints not shown in this drawing shall be located only with the approval of design Engineers.

B. FOUNDATION.

1. No. foundation work shall be carried out without the approval of the S.O.
2. No concrete work for foundation shall be carried out without the the owner approval and inspection of the site.
3. The soil bearing capacity pressure shall be minimum 75 kN/m²
4. The contractor shall be responsible to conduct the test and verify the soil bearing pressure capacity prior to construction.

C. CONCRETE

1. All concrete work shall be carried out in accordance with the latest B.S codes of proactice and contract specifications. A copy of these documents should be kept on site.
2. The cement used unless otherwise specified shall be ordinary portland cement in accordance with B.S. 12.
3. Fine and coarse aggregate used unless otherwise specified shall comply with B.S 882.
4. Nominal coarse aggregate size unless otherwise specified shall be 20 mm.
5. All concrete shall be throughly compacted during placing using approved mechanical concrete throughky vibrators.
6. All sub-structure concrete shall be grade 30 unless otherwise stated.
7. All super-structure concrete shall be grade 25 unless otherwise stated.

D. SETTING OUT AND LEVELS

1. The Contractor shall engage a licensed surveyor to set out profile of the buildings and all related works to this contract in accordance to setting out drawings.
2. Four (4) copies of the setting out drawing duly endorsed by the Licensed surveyor to be submitted to S.O. for record two weeks after completion of setting out survey.
3. All dimensions shall be read and not scaled. Dimensions are given in millimetres (mm) unless otherwise stated.
4. All structural drawings shall be read in conjunction with the Architectural Mechanical and Electrical Engineering drawings.
5. The Contractor shall verify all dimensions and levels on site and resolve all discrepancies with the Architect or Engineer before commencement of works.

E. STEEL REINFORCEMENT.

1. All steel reinforcement shall comply with B.S 4449 having the following specified characteristic strength and elongation:-

TABLE OF TENSILE PROPERTIES

Material Type	Specified Characteristic Strength N/mm	P.S.I	Minimum Elongation No. 5.65 √A
Mild Steel	250 (R)	36,000	12 %
High Yield	460 (Y)	60,000	14 %

2. Unless otherwise stated steel reinforcement shall be lapped as follows:-

	COMPRESSION	TENSION
Mild Steel	30 D	45 D
H.T Steel	30 D	50 D

3. All main steel reinforcement unless otherwise stated shall have the following clear cover:-

Pile Cap	50	Superstructure	25
Grd. Beam & Stump	40	columns	
Superstructure Slabs	12		

F. BRICKWORKS.

1. Cement Sand Bricks and Hollow Blocks :
   All cement sand bricks and hollow blocks shall comply with MS 27.
   Cement sand bricks shall be of a nominal size as given below:

Length (mm)	Width (mm)	Depth (mm)
225 ± 3.2	113 ± 1.6	75 ± 1.6

   Dimensional tolerances for hollow blocks shall be ± 3mm on all faces. The shell of each hollow block shall be 38mm thick minimum on all sides.
2. Composition :
   Cement sand bricks and hollow blocks shall consist of an intimate and uniform mixture of sand and cement. The sand and cement shall be mixed in the ratio of:six (6) parts of sand to one (1) part of cement by volume in a mechanical mixer capable of taking one (1) bag of cement (50kg of cement shall be taken as 0.035 cube). The sand used shall be as described hereinbefore and the maximum size shall pass through a 4.8mm mesh BS sieve. The cement used shall be Ordinary Portland Cement.
3. Supply :
   The Contractor shall only use cement sand bricks and hollow blocks supplied by approved manufacturers.
4. Brick Walling :
   a) All intersections and angles of walls shall be properly bonded together, and all walls and piers of lengths and widths not multiples of brick sizes shall be cut and bonded in the best approved manner. No broken bricks shall be used except where required to form bonds.
   b) All half brick (115mm) walls and partitions shall be reinforced at every fourth course with approved brick reinforcement commencing two courses above floor level. For block walling, reinforcement shall be at every second course commencing one course above floor level.

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

PEMILIK / TANDATANGAN PENGUASA PROJEK :

Ir. Ts. AHMAD ROSLAN BIN HAIRUDIN A.I.S
TIMBALAN PENGARAH
JABATAN KEJURUTERAAN
MAJLIS BANDARAYA PETALING JAYA

PERUNDING ARKITEK :

ARCA•3
Arkitek Sdn. Bhd.
D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya, 47301 Petaling Jaya, Selangor. Tel:03-78875353 Fax:03-78878844

LEMBAGA ARKITEK MALAYSIA

Ar. Anuar B. Mohamed
ARKITER
No. Pendaftaran LAM : A/A 29

"Saya memperakui bahawa perinci-perinci dalam pelan-pelan ini adalah menurut kehendak-kehendak Undang-undang Kecil Bangunan Seragam Selangor 1986 dan saya setuju terima tanggungjawab dengan sewajarnya"

PERUNDING C&S :

SS DESIGN CONSULT (001490635-T)
No. 20-1F, Jalan AU 1A/4A,
Taman Keramat Permai,
54200 Kuala Lumpur.
Tel : 03-42654880
Email : ssdesignconsult@yahoo.com

PERUNDING M&E :

BI CONSULTING ENGINEERS SDN. BHD. (644O4-D)
Mechanical & Electrical Consulting Engineers
No. 27-2, 2nd Floor, Jalan 5/76B, Desa Pandan, 55100 Kuala Lumpur.
Tel : 03 - 9202 2302 // Email : bicemy@gmail.com

PERUNDING QS :

DBN CONSULT SDN BHD (1397824-W)
5-6-5 Wisma Prima Peninsula,
Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

FOOTING LAYOUT PLAN.
FOOTING & COLUMN SCHEDULE.
TYPICAL DETAIL OF NON-SUSPENDED SLAB @ GROUND FLOOR.

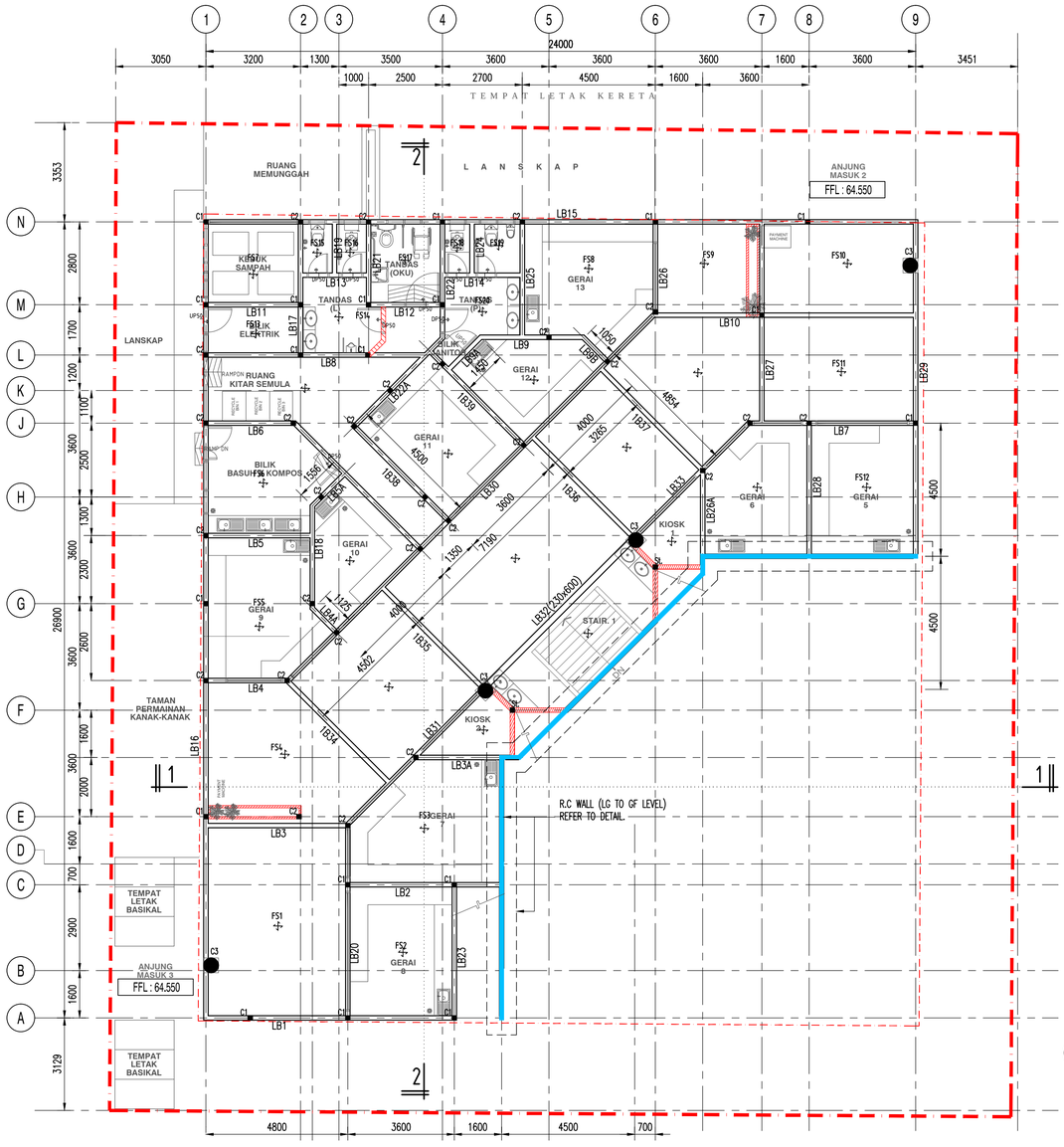
SKALA: TERTERA

TARIKH: JAN 2026

NO LUKISAN

SSDC169/MBPJ/S/FTG-01

Dokumen Meja Terkawal

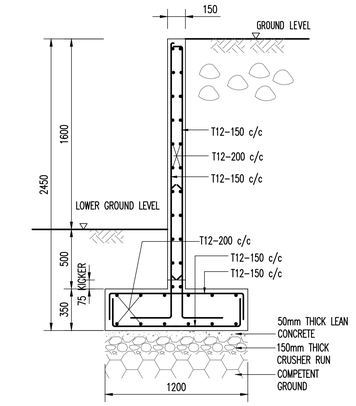


LOWER GROUND FLOOR PLAN

SCALE 1 : 100

NOTES :

1. ALL NON-SUSPENDED SLAB THICKNESS SHALL BE 150mm THK. c/w 2 LAYER OF BRC 'A8' ON 300mm THK. COMPACTED HARDCORE.

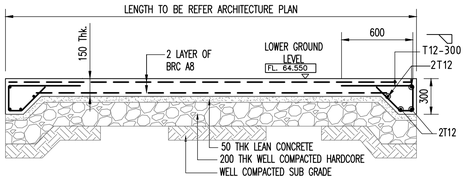


TYPICAL SECTION OF R.C. WALL

SCALE 1 : 25

NOTES:-

1. CONCRETE MIX SHALL BE GRADE 30.
2. CONCRETE COVER TO NEAREST REINFORCEMENT : FOR WALL = 50, BASE SLAB = 50
3. ALL LAP LENGTH SHALL BE 50 x DIA. OF BAR.
4. CONSTRUCTION JOINT WILL BE PROVIDED AT EVERY 30m.
5. MIN. SOIL BEARING CAPACITY REQUIRED = 100 kN/m^2 .
6. ALL STRUCTURE BASE TO BE WELL COMPACTED AND APPROVED BY GEOTECHNICAL ENGINEER.
7. DESIGN PARAMETERS :-
   SOIL BULK DENSITY = 18 kN/m^3 ; COEFFICIENT Ka = 0.85 ; FRICTION ANGLE ø = 35°



TYPICAL SECTION OF R.C. SLAB @ CORRIDOR (APRON)

SCALE 1 : 25

GENERAL NOTES :

A. WORKMANSHIP

1. All workmanship shall be carried out strictly in accordance with contract specifications and relevant B.S code of practice.
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B. FOUNDATION.

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	N/mm	P.S.I	No. 5.65 $\sqrt{A}$
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High Yield	460 (Y)	60,000	14 %

2. Unless otherwise stated steel reinforcement shall be lapped as follows:-

	COMPRESSION	TENSION
Mild Steel	30 D	45 D
H.T Steel	30 D	50 D

3. All main steel reinforcement unless otherwise stated shall have the following clear cover:-

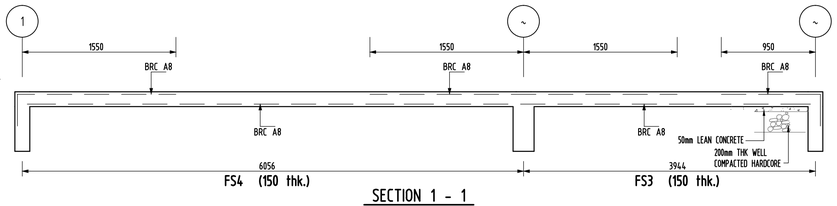
Pile Cap	50	Superstructure	25
Grd. Beam & Stump	40	columns	
Superstructure Slabs	12		

F. BRICKWORKS.

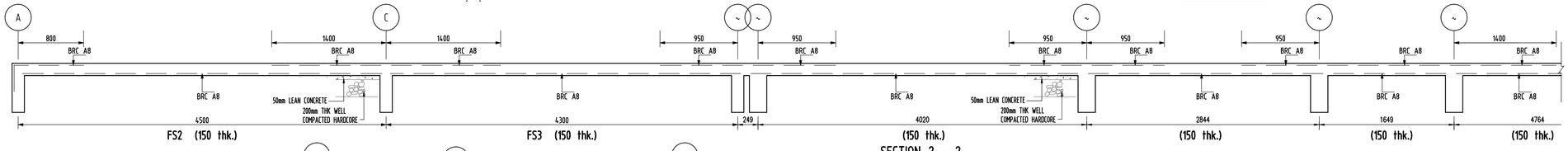
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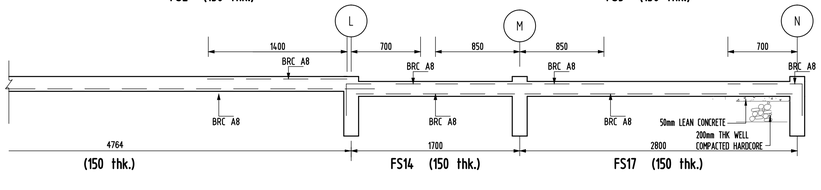
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   b) All half brick (113mm) walls and partitions shall be reinforced at every fourth course with approved brick reinforcement commencing two courses above floor level. For block walling, reinforcement shall be at every second course commencing one course above floor level.



SECTION 1 - 1



SECTION 2 - 2



TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

PEMILIK / TANDATANGAN PENGUASA PROJEK :

MBPJ

Ir. Ts. AHMAD ROSLAN BIN HAIRUDIN A.I.S
TIMBALAN PENGARAH
JABATAN KEJURUTERAAN
MAJLIS BANDARAYA PETALING JAYA

PERUNDING ARKITEK :

ARCA▼3
Arkitek Sdn. Bhd.
D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya, 47301 Petaling Jaya, Selangor. Tel:03-78875353 Fax:03-78878844

LEMBAGA ARKITEK MALAYSIA

Ar. Anuar B. Mohamed
ARKITEK
No. Pendaftaran LAM : A/A 29

"Saya memperakui bahawa perinci-perinci dalam pelan-pelan ini adalah menurut kehendak-kehendak Undang-undang Kecil Bangunan Seragam Selangor 1986 dan saya setuju terima tanggungjawab dengan sewajarnya"

PERUNDING C&S :

SS DESIGN CONSULT (001490635-T)
No. 20-1F, Jalan AU 1A/4A,
Taman Keramat Permai,
54200 Kuala Lumpur.
Tel : 03-42654880
Email : ssdesignconsult@yahoo.com

PERUNDING M&E :

BI CONSULTING ENGINEERS SDN. BHD. (644O4-D)
Mechanical & Electrical Consulting Engineers
No. 27-2, 2nd Floor, Jalan 5/76B, Desa Pandan, 55100 Kuala Lumpur.
Tel : 03 - 9202 2302 // Email : bicemy@gmail.com

PERUNDING QS :

DBN CONSULT SDN BHD (1397824-W)
5-6-5 Wisma Prima Peninsula,
Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

LOWER GROUND FLOOR PLAN.
TYPICAL SECT. OF R.C WALL.
TYPICAL SECT. OF R.C SLAB (CORRIDOR).
R.C SLAB SECTION DETAILS.

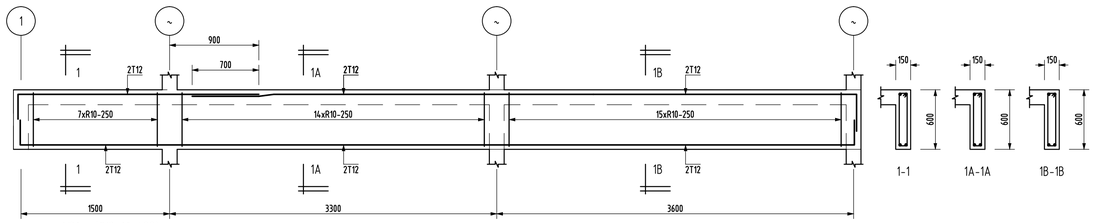
SKALA: TERTERA

TARIKH: JAN 2026

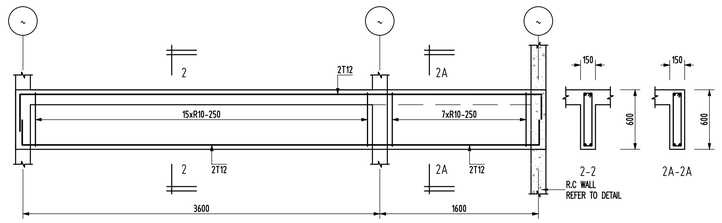
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SSDC169/MBPJ/S/LGB-01

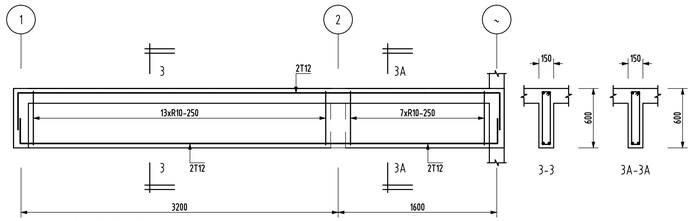
Dokumen Meja Terkawal



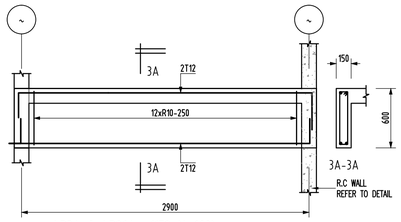
LB1 (150 X 600)



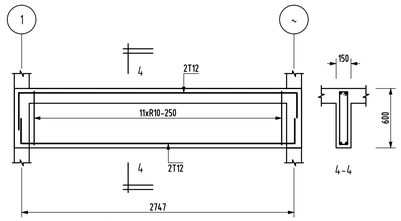
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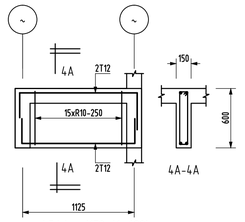
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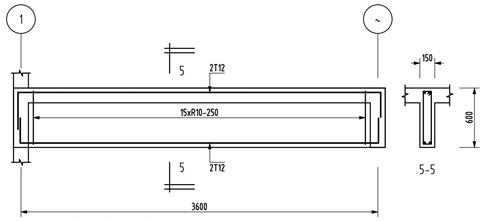
LB3A & LB26A (150 X 600)



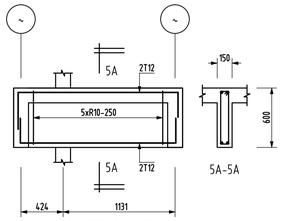
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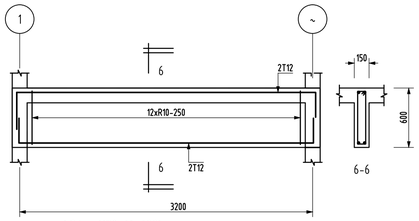
LB4A (150 X 600)



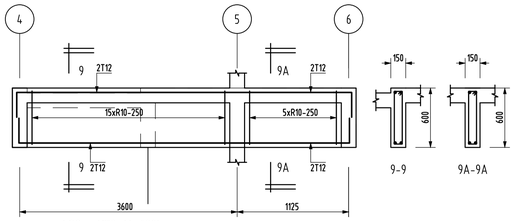
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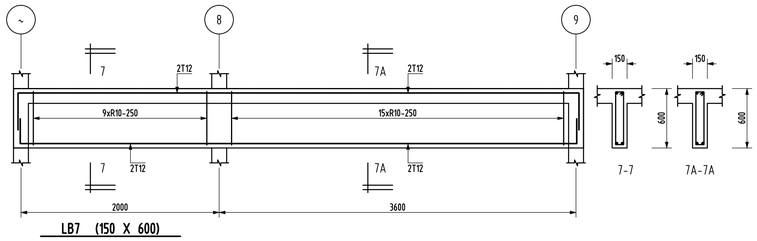
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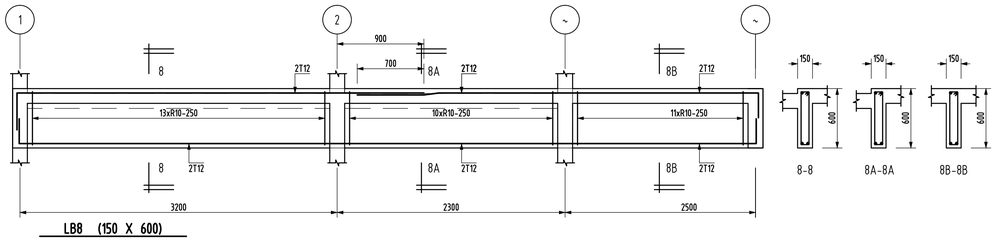
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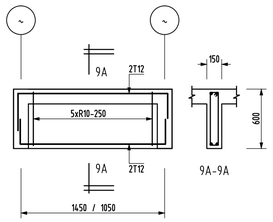
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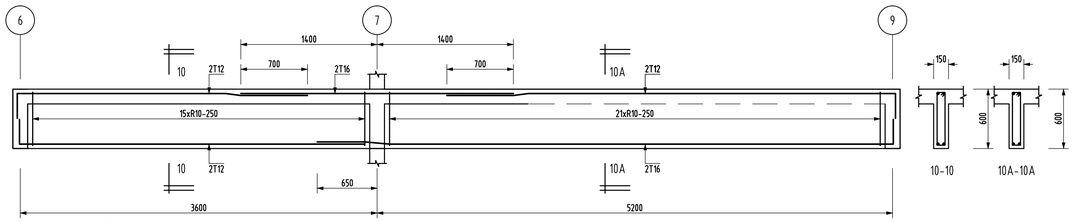
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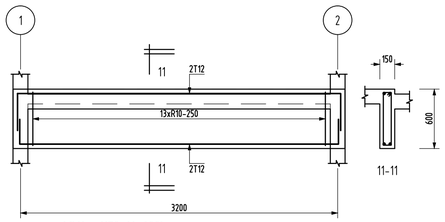
LB8 (150 X 600)



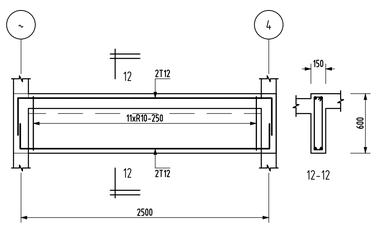
LB9A & LB9B (150 X 600)~SIMILAR REIN'F



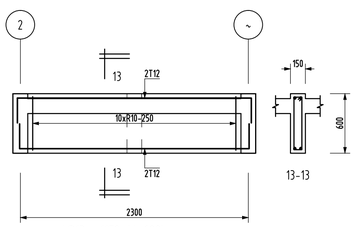
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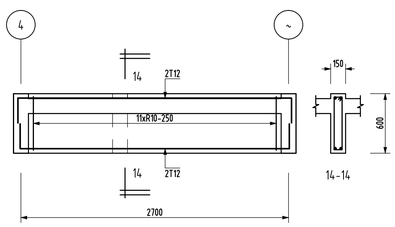
LB11 (150 X 600)



LB12 (150 X 600)



LB13 (150 X 600)



LB14 (150 X 600)

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

PEMILIK / TANDATANGAN PENGUASA PROJEK :

Ir. Ts. AHMAD ROSLAN BIN HAIRUDIN A.I.S
TIMBALAN PENGARAH
JABATAN KEJURUTERAAN
MAJLIS BANDARAYA PETALING JAYA

PERUNDING ARKITEK :

ARCA▼3
Arkitek Sdn. Bhd.
D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya,
47301 Petaling Jaya, Selangor. Tel:03-78875353 Fax:03-78878844

Ar. Anuar B. Mohamed
ARKITEK
No. Pendaftaran LAM : A/A 29

"Saya memperakui bahawa perinci-perinci dalam pelan-pelan ini adalah menurut kehendak-kehendak Undang-undang Kecil Bangunan Seragam Selangor 1986 dan saya setuju terima tanggunggjawab dengan sewajarnya"

PERUNDING C&S :

SS DESIGN CONSULT (001490635-T)
No. 20-1F, Jalan AU 1A/4A,
Taman Keramat Permai,
54200 Kuala Lumpur.
Tel : 03-42654880
Email : ssdesignconsult@yahoo.com

PERUNDING M&E :

BI CONSULTING ENGINEERS SDN. BHD. (64404-D)
Mechanical & Electrical Consulting Engineers
No. 27-2, 2nd Floor, Jalan S/76B, Desa Pandan, 55100 Kuala Lumpur.
Tel : 03 - 9202 2302 // Email : bicemy@gmail.com

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Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

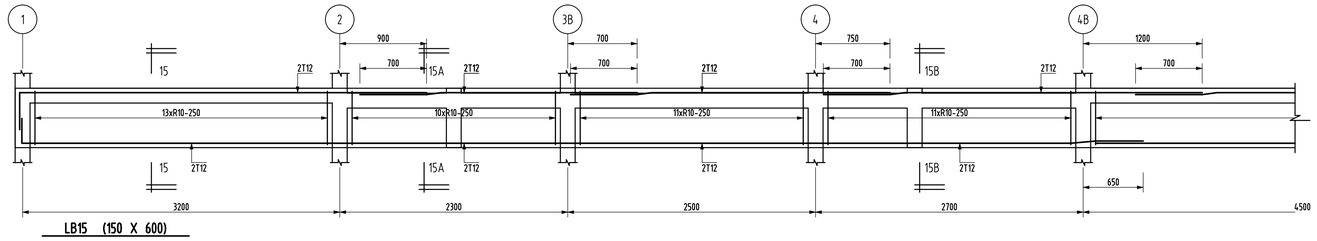
LOWER GROUND BEAM DETAILS.

SKALA
TERTERA

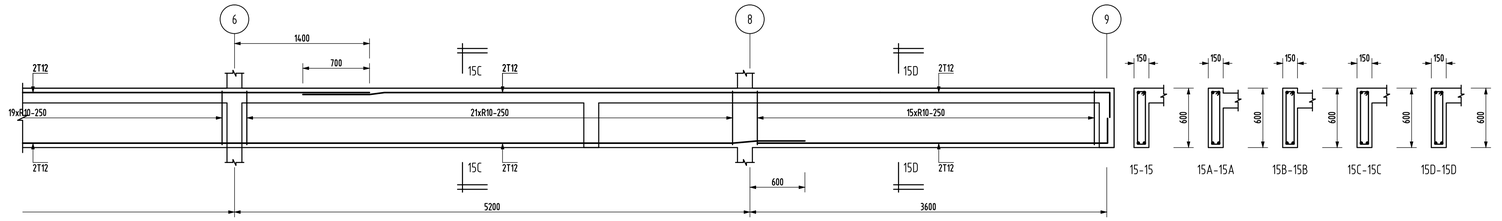
TARIKH
JAN 2026

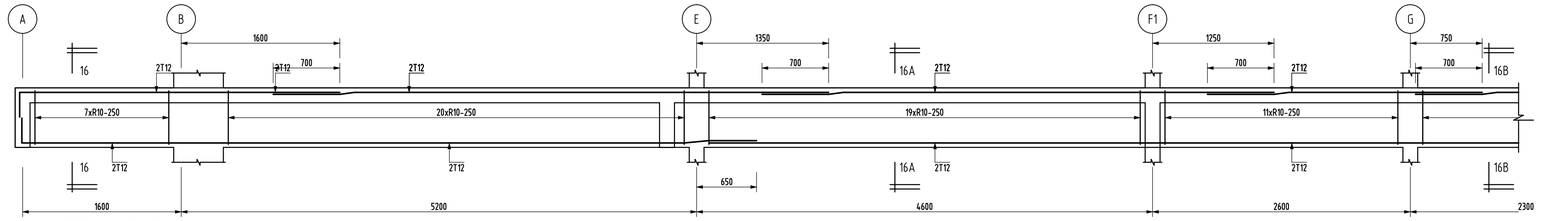
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SSDC169/MBPJ/S/LGB-02

Dokumen Meja Terkawal

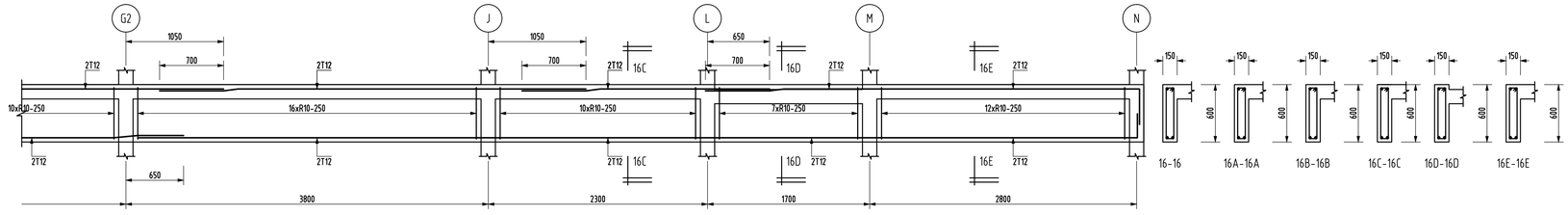


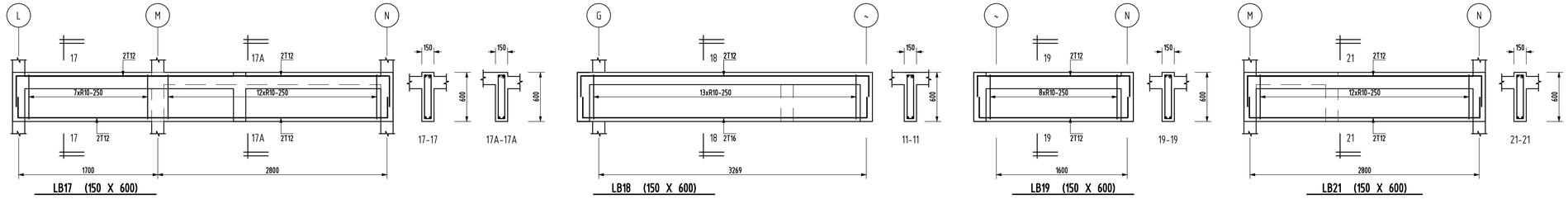
LB15 (150 X 600)





LB16 (150 X 600)



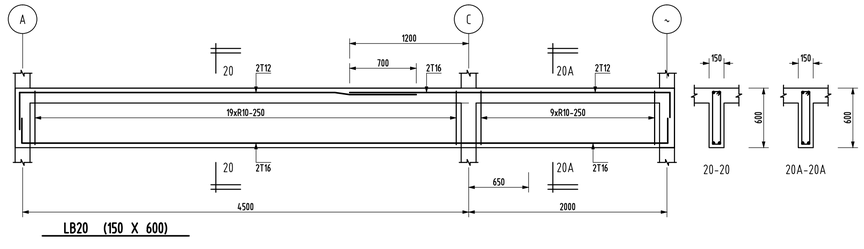


LB17 (150 X 600)

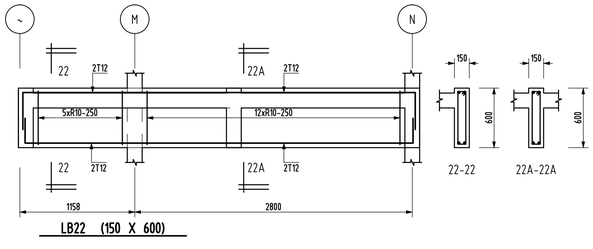
LB18 (150 X 600)

LB19 (150 X 600)

LB21 (150 X 600)



LB20 (150 X 600)



LB22 (150 X 600)

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

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LEMBAGA ARKITEK MALAYSIA

Ar. Anuar B. Mohamed
ARKITEK
No. Pendaftaran LAM : A/A 29

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Email : ssdesignconsult@yahoo.com

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Mechanical & Electrical Consulting Engineers
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Tel : 03 - 9202 2302 // Email : bicemy@gmail.com

PERUNDING QS :

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Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

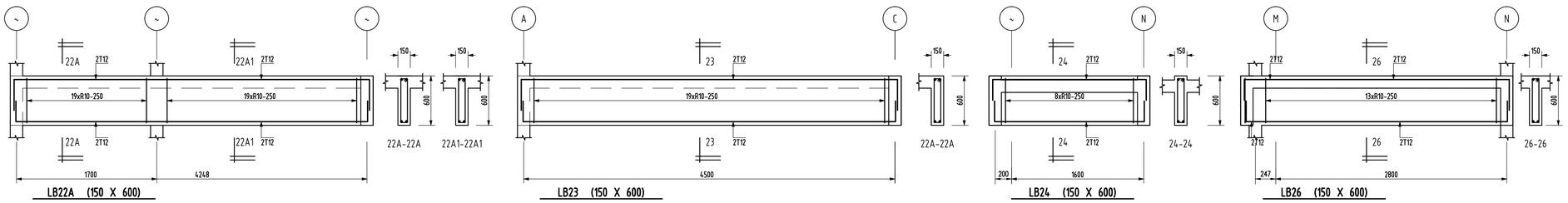
LOWER GROUND BEAM DETAILS.
(CONT'. 1)

SKALA
TERTERA

TARIKH
JAN 2026

NO LUKISAN
SSDC169/MBPJ/S/LGB-03

Dokumen Meja Terkawal

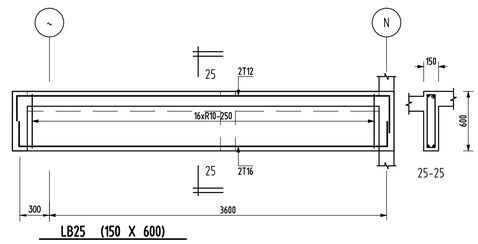


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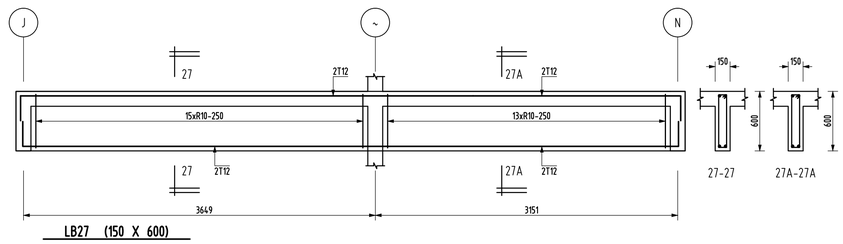
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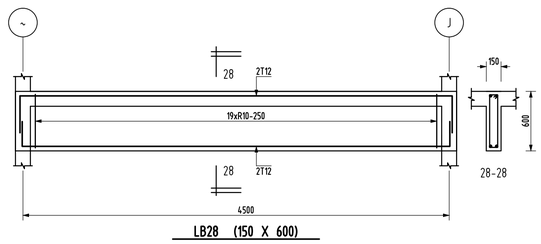
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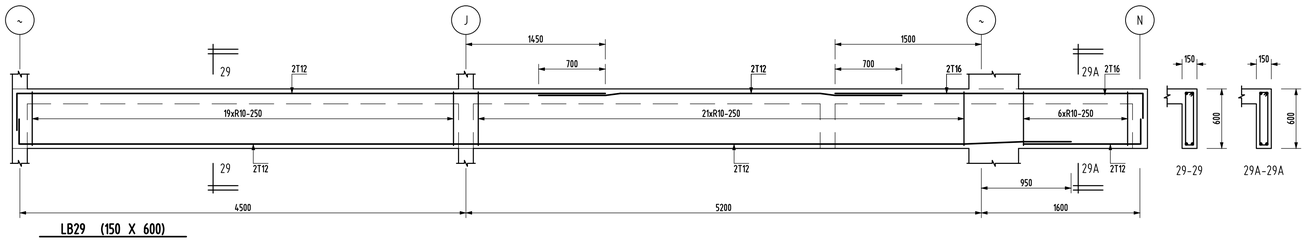
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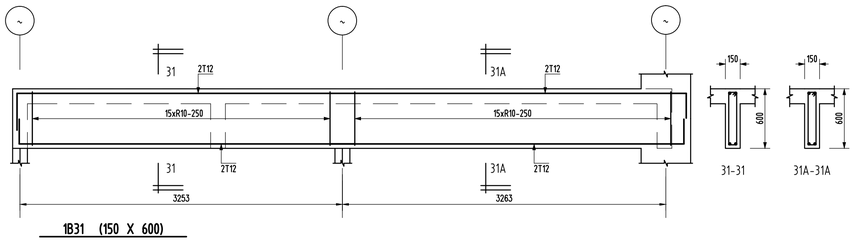
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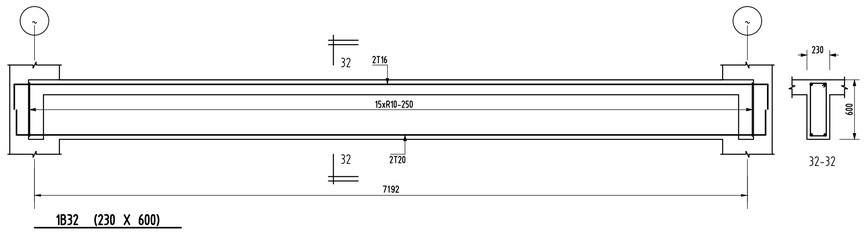
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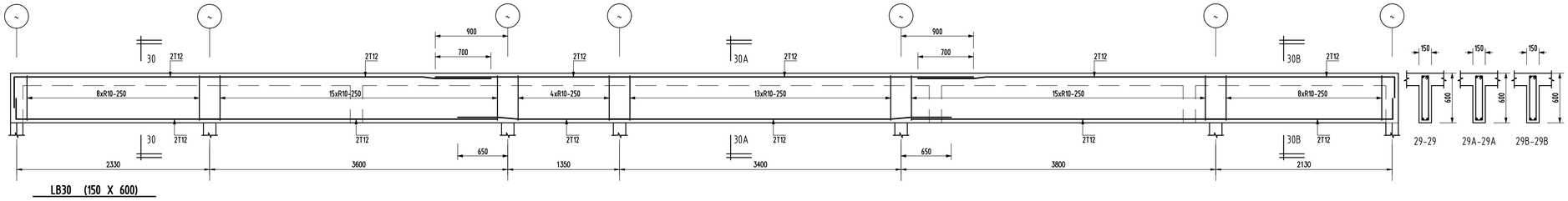
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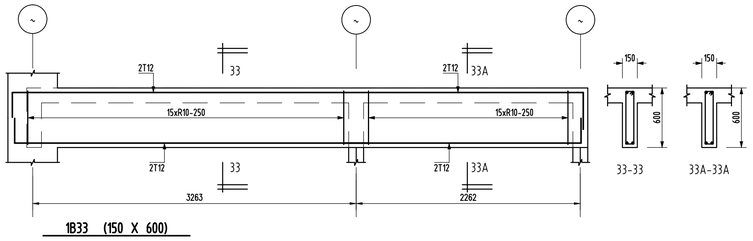
1B31 (150 X 600)



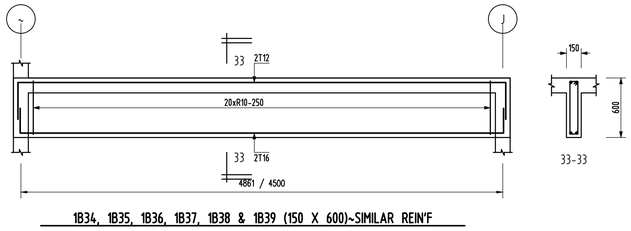
1B32 (230 X 600)



LB30 (150 X 600)



1B33 (150 X 600)



1B34, 1B35, 1B36, 1B37, 1B38 & 1B39 (150 X 600)~SIMILAR REIN'F

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

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TAJUK LUKISAN

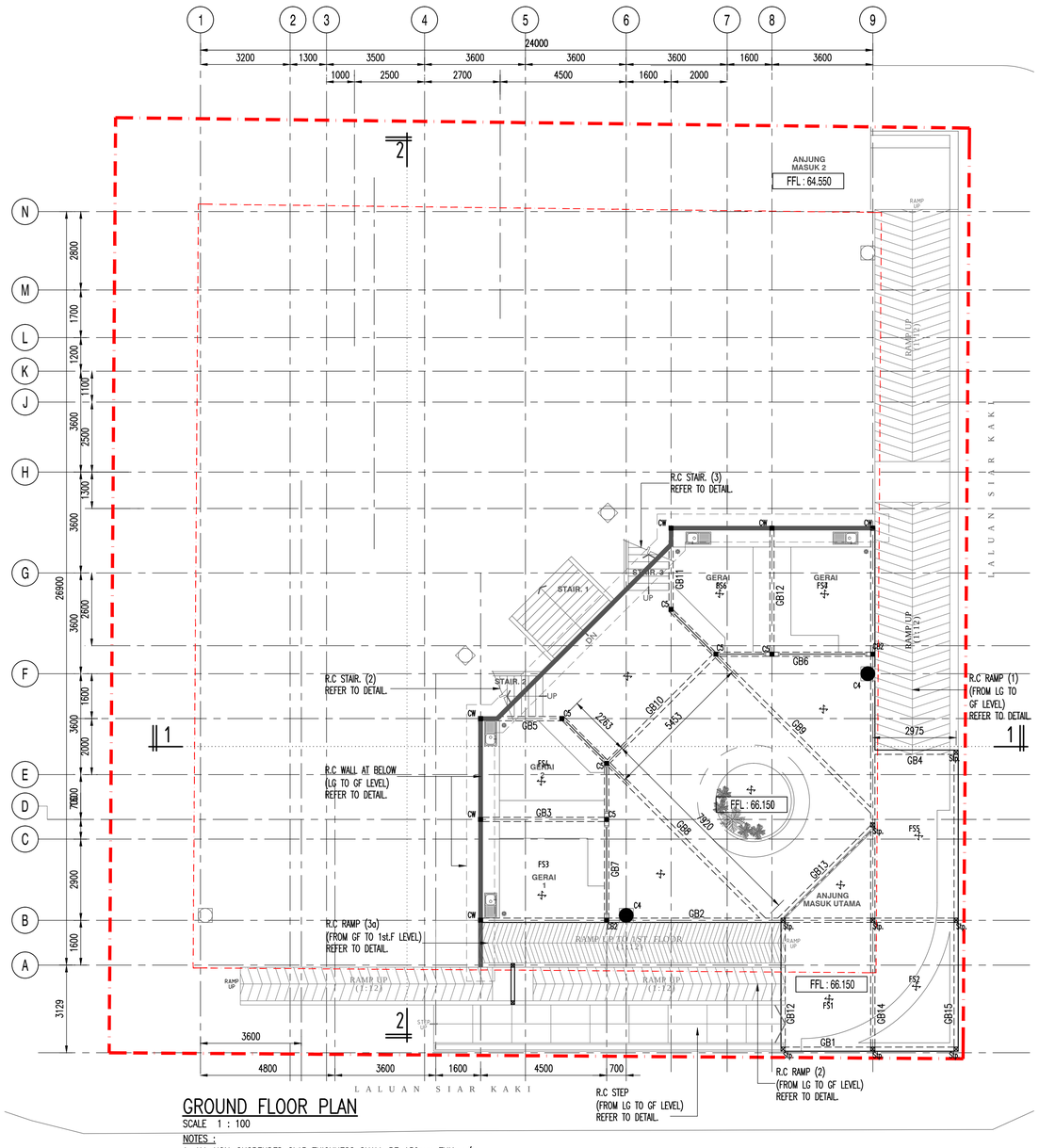
LOWER GROUND BEAM DETAILS.
(CONT'. 2)

SKALA
TERTERA

TARIKH
JAN 2026

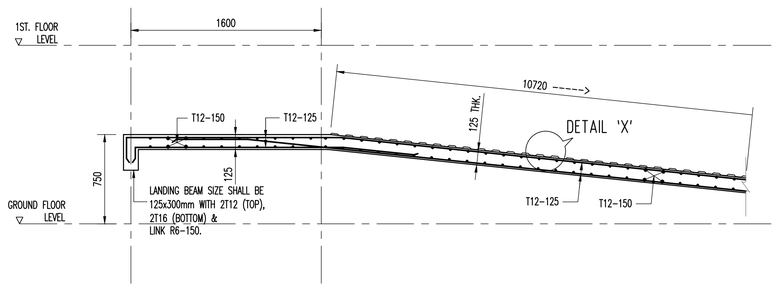
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SSDC169/MBPJ/S/LGB-04

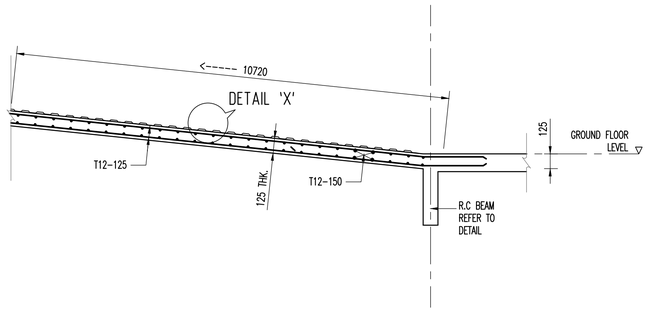
Dokumen Meja Terkawal



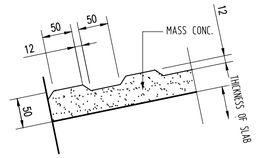
GROUND FLOOR PLAN
SCALE 1 : 100

NOTES :
1. ALL NON-SUSPENDED SLAB THICKNESS SHALL BE 150mm THK. c/w 2 LAYER OF BRC 'A8' ON 300mm THK. COMPACTED HARDCORE.
2. St.=STIFFENER ; Stp.=STUMP ; CB.=COLUMN ON BEAM ; CW = COLUMN ON WALL(R.C)
3. ALL BEAM SIZE SHALL BE 150x600mm, UNLESS OTHERWISE STATED.
4. ▨ = NEW BRICKWALL

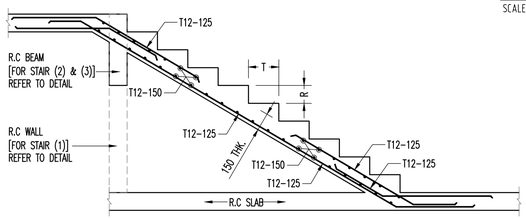




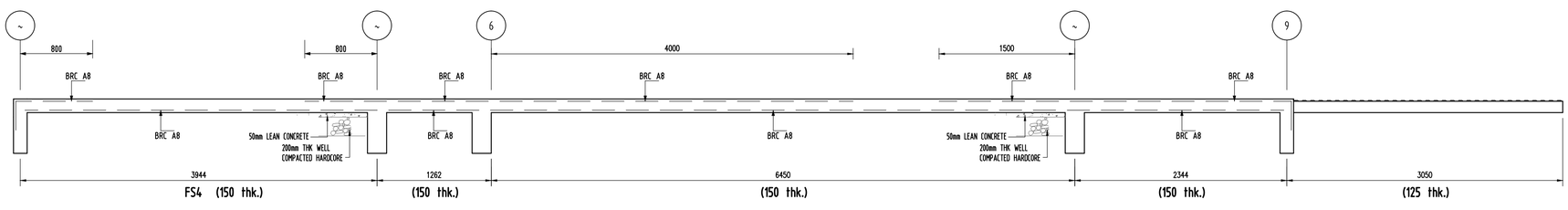
TYPICAL DETAIL OF R.C. RAMP (3a)
SCALE 1 : 25



DETAIL 'X'
SCALE 1 : 5



TYPICAL DETAIL OF R.C. STAIR (1), (2) & (3)
SCALE 1 : 25
NOTES :-
T = 255 & R = 150



SECTION 1 - 1

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

PEMILIK / TANDATANGAN PENGUASA PROJEK :

Ir. Ts. AHMAD ROSLAN BIN HAIRUDIN A.I.S
TIMBALAN PENGARAH
JABATAN KEJURUTERAAN
MAJLIS BANDARAYA PETALING JAYA

PERUNDING ARKITEK :

ARCA▼3
Arkitek Sdn. Bhd.
D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya, 47301 Petaling Jaya, Selangor. Tel:03-78875353 Fax:03-78878844

LEMBAGA ARKITEK MALAYSIA
Ar. Anuar B.Mohamed
ARKITEK
No.Pendaftaran LAM : A/A 29

"Saya memperakui bahawa perinci-perinci dalam pelan-pelan ini adalah menurut kehendak-kehendak Undang-undang Kecil Bangunan Seragam Selangor 1986 dan saya setuju terima tanggungjawab dengan sewajarnya"

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No. 20-1F, Jalan AU 1A/4A,
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54200 Kuala Lumpur.
Tel : 03-42654880
Email : ssdesignconsult@yahoo.com

PERUNDING M&E :

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No. 27-2, 2nd Floor, Jalan 5/76B, Desa Pandan, 55100 Kuala Lumpur.
Tel : 03 - 9202 2302 // Email : bicemy@gmail.com

PERUNDING QS :

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5-6-5 Wisma Prima Peninsula,
Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

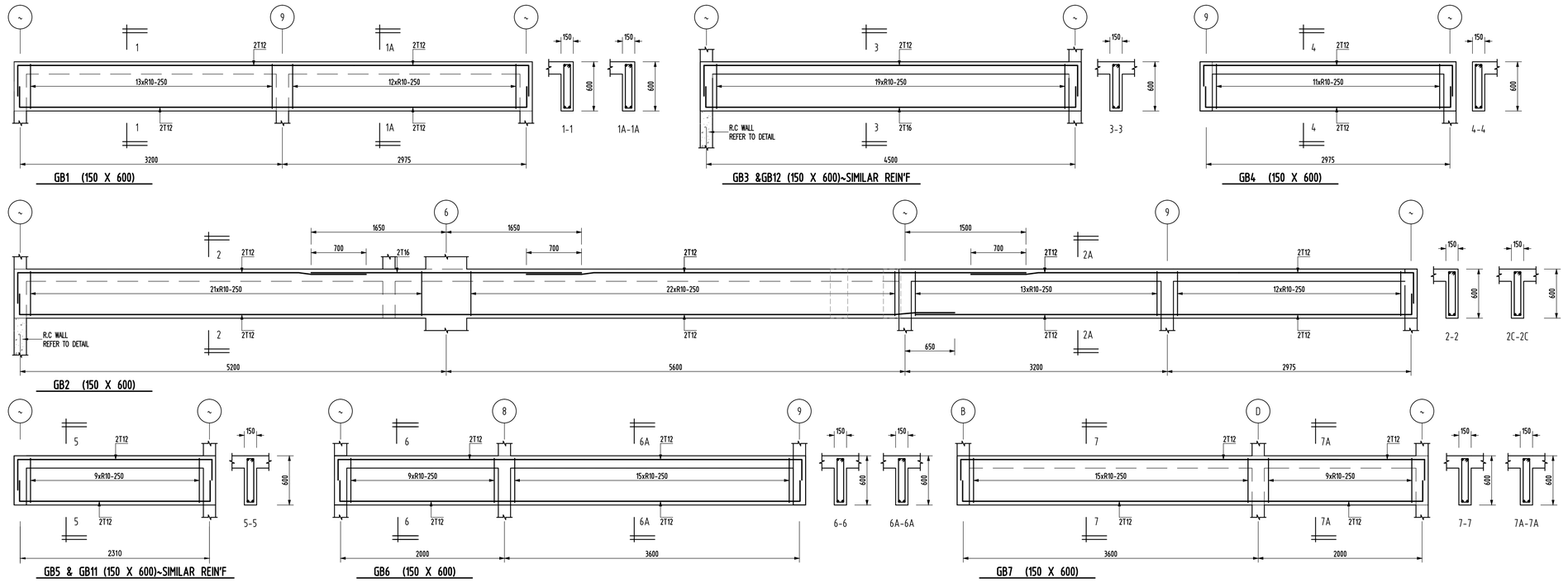
GROUND FLOOR PLAN.
TYPICAL DETAIL OF R.C RAMP (3a).
TYPICAL DETAIL OF R.C STAIR (1), (2) & (3).
R.C SLAB SECTION DETAILS.

SKALA: TERTERA

TARIKH: JAN 2026

NO LUKISAN
SSDC169/MBPJ/S/GB-01

Dokumen Meja Terkawal



TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

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54200 Kuala Lumpur
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

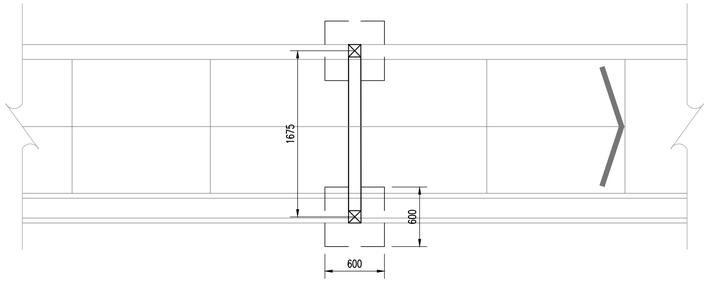
GROUND BEAM DETAILS.

SKALA
TERTERA

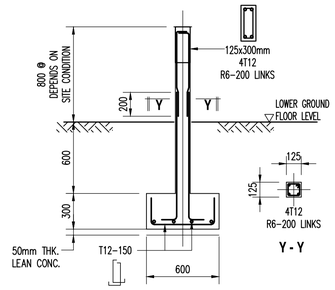
TARIKH
JAN 2026

NO LUKISAN
SSDC169/MBPJ/S/GB-02

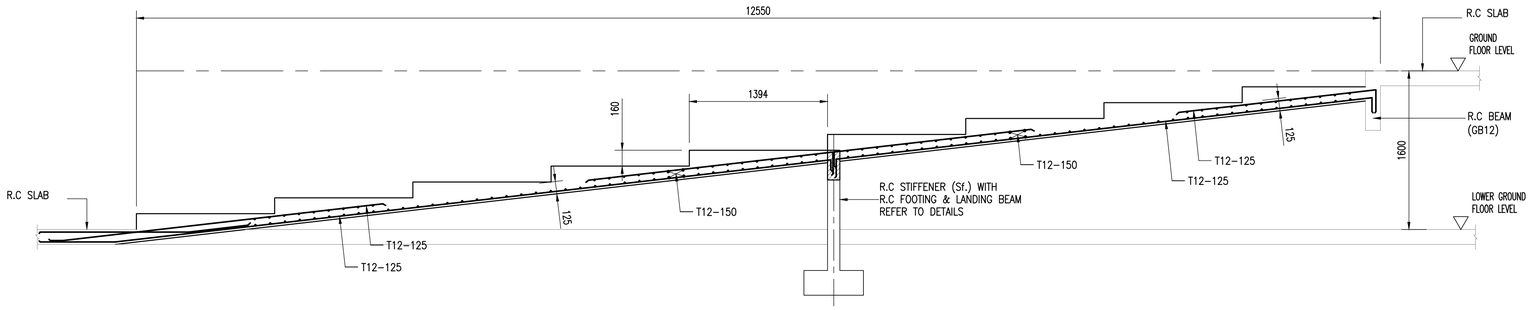
Dokumen Meja Terkawal



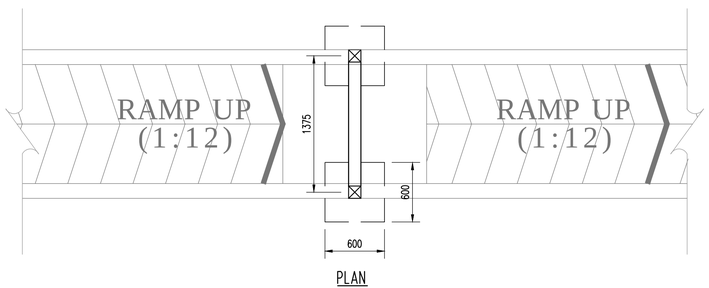
PLAN



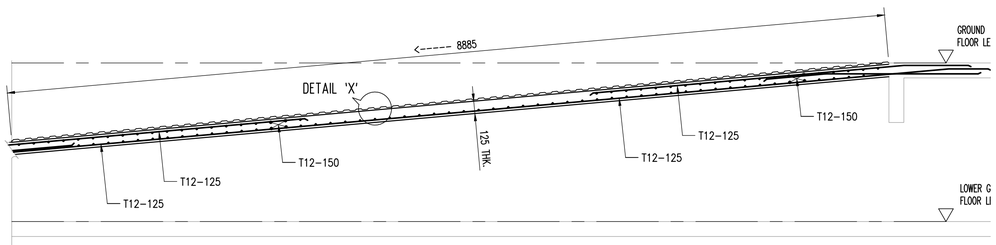
TYPICAL ELEVATION OF STIFFENER @ LG (Sf.)
SCALE 1 : 25

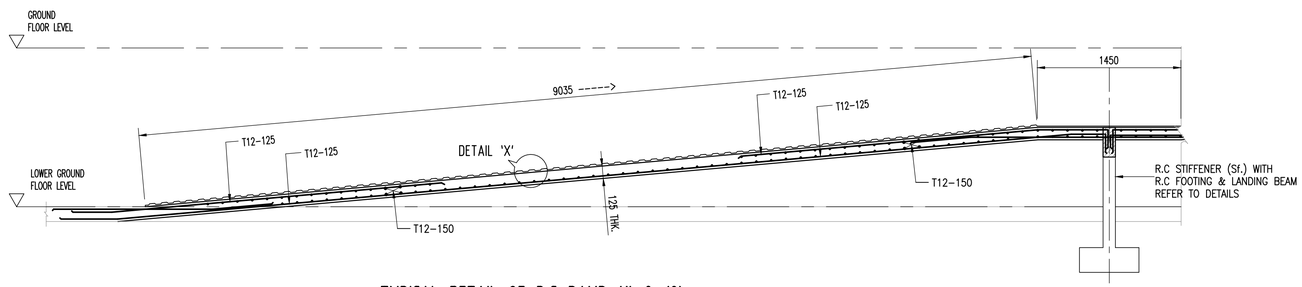


TYPICAL DETAIL OF R.C STEP (LG TO GF)
SCALE 1 : 30
T = 1394 & R = 160



PLAN





TYPICAL DETAIL OF R.C RAMP (1) & (2)
SCALE 1 : 30

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

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TAJUK LUKISAN

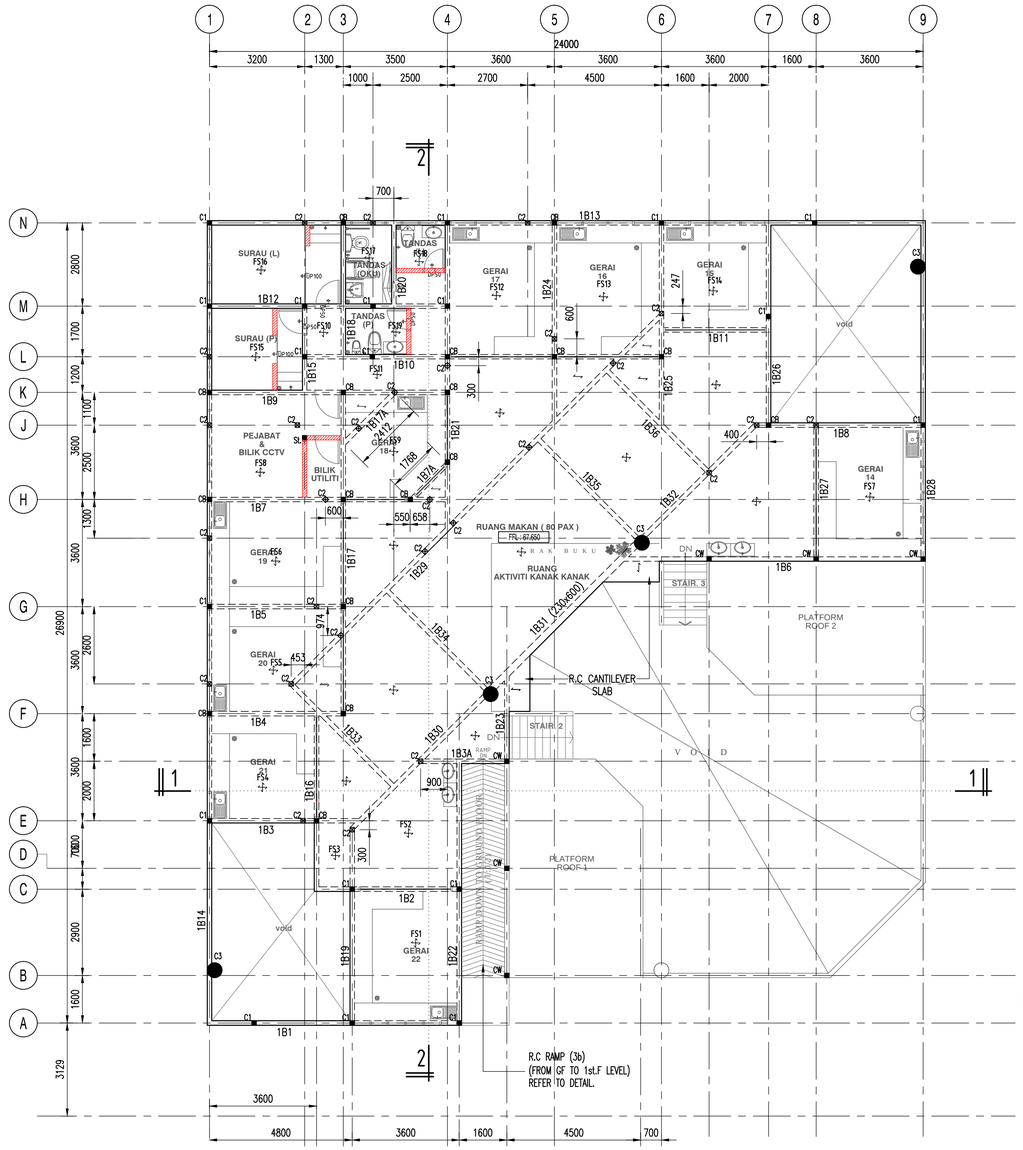
TYPICAL DETAIL OF R.C STEP.
TYPICAL DETAIL OF R.C RAMP (1) & (2).

SKALA
TERTERA

TARIKH
JAN 2026

NO LUKISAN
SSDC169/MBPJ/S/GB-03

Dokumen Meja Terkawal

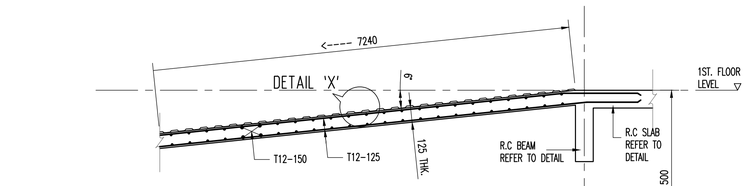


1st. FLOOR LAYOUT PLAN

SCALE 1 : 100

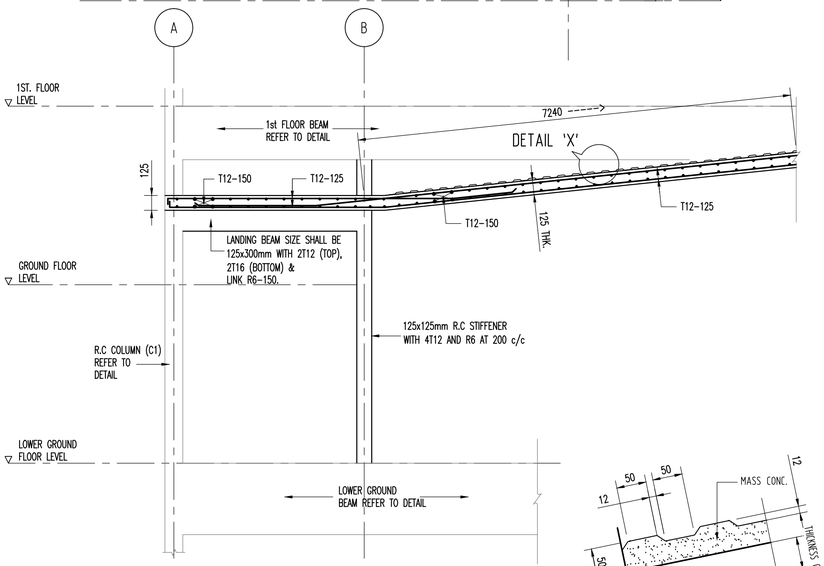
NOTES :

1. ALL SUSPENDED SLAB THICKNESS SHALL BE 150mm THK. c/w 2 LAYER OF BRC 'A8', UNLESS OTHERWISE STATED.
2. St.=STIFFENER ; Stp.=STUMP ; CB.=COLUMN ON BEAM ; CW = COLUMN ON WALL(R.C)
3. ALL BEAM SIZE SHALL BE 150x600mm, UNLESS OTHERWISE STATED.
4. ▨ = NEW BRICKWALL



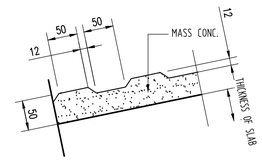
TYPICAL DETAIL OF R.C. RAMP (3b)

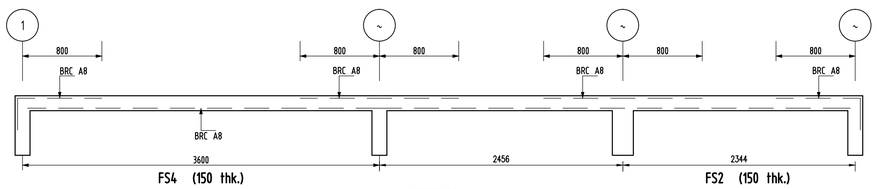
SCALE 1 : 25



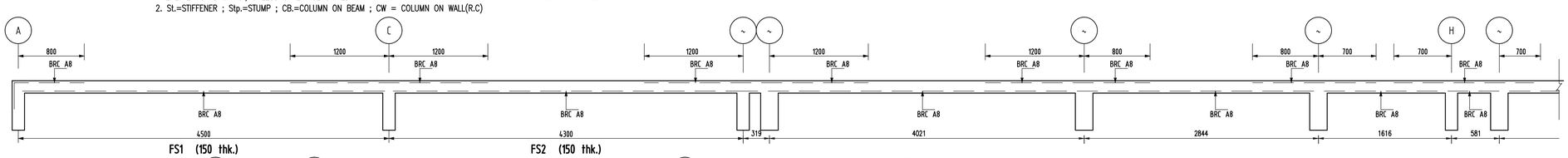
DETAIL 'X'

SCALE 1 : 5

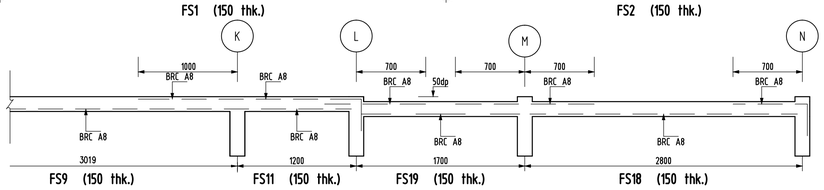




SECTION 1 - 1



SECTION 2 - 2



TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

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MBPJ

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Email : ssdesignconsult@yahoo.com

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Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

1st FLOOR LAYOUT PLAN.
TYPICAL DETAIL OF R.C RAMP (3b).
R.C SLAB SECTION DETAILS.

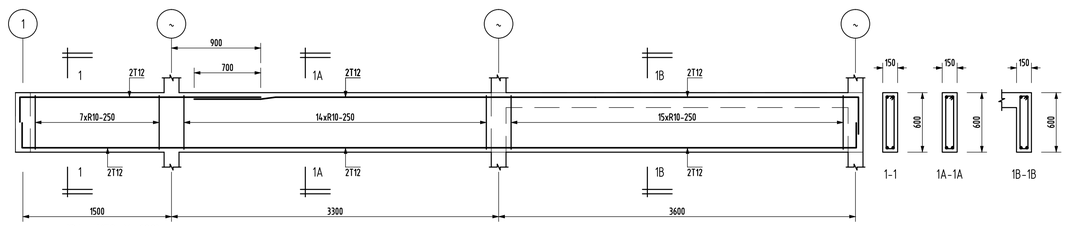
SKALA: TERTERA

TARIKH: JAN 2026

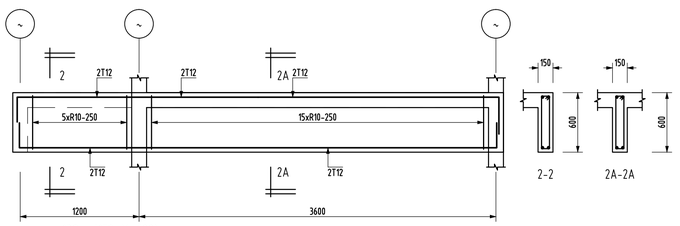
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SSDC169/MBPJ/S/1B-01

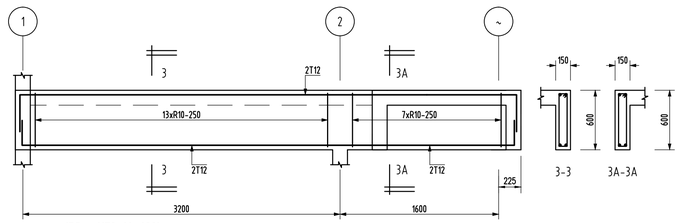
Dokumen Meja Terkawal



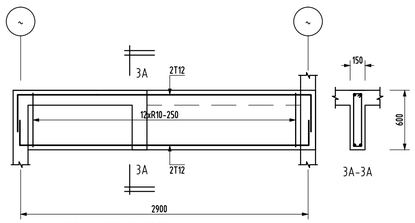
1B1 (150 X 600)



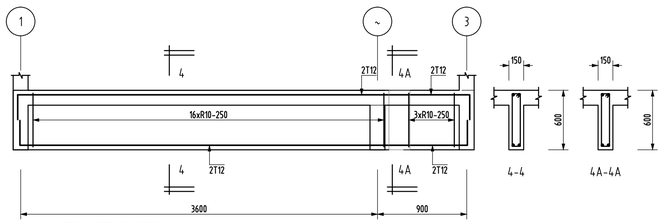
1B2 (150 X 600)



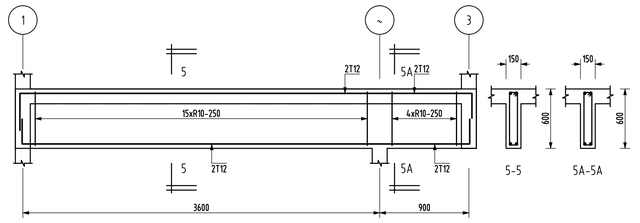
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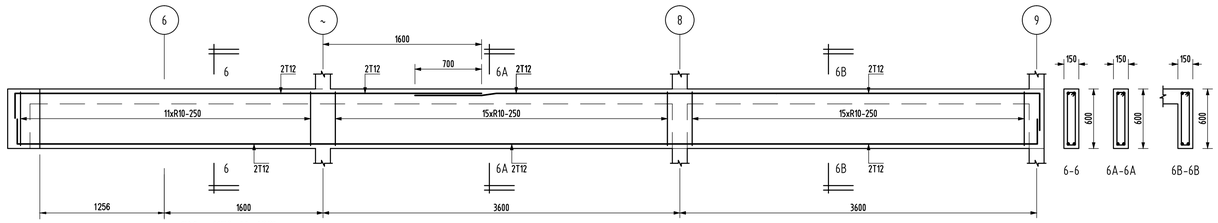
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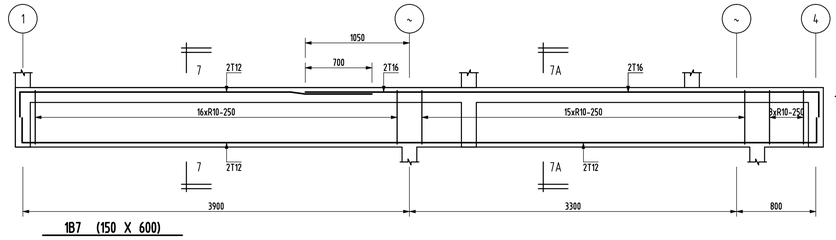
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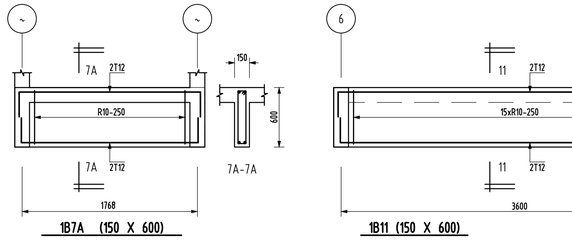
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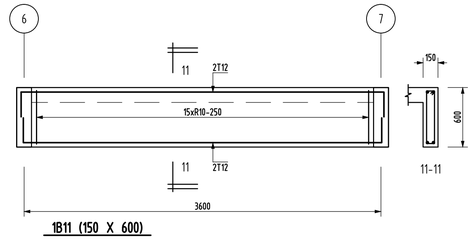
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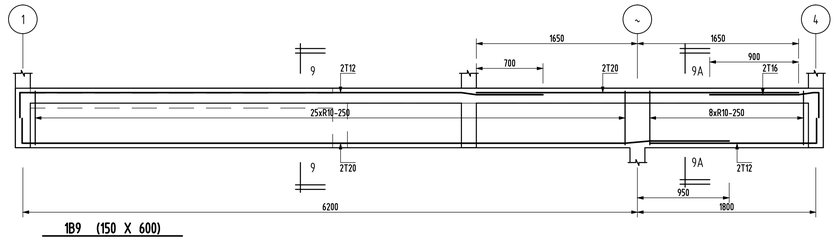
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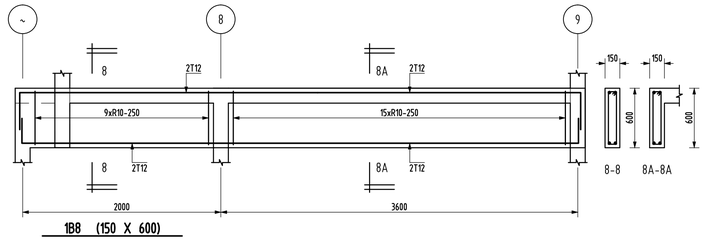
1B7A (150 X 600)



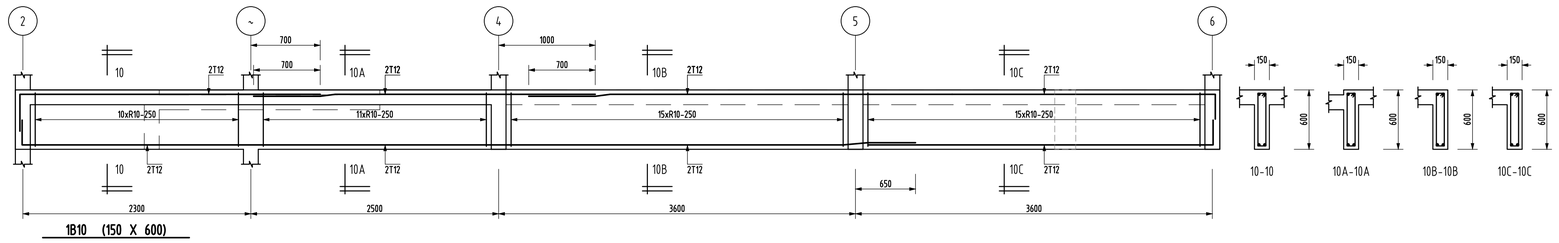
1B11 (150 X 600)



1B9 (150 X 600)



1B8 (150 X 600)



1B10 (150 X 600)

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

TAJUK PROJEK :

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PERUNDING C&S :

SS DESIGN CONSULT (001490635-T)
No. 20-1F, Jalan AU 1A/4A,
Taman Keramat Permai,
54200 Kuala Lumpur.
Tel : 03-42654880
Email : ssdesignconsult@yahoo.com

PERUNDING M&E :

BI CONSULTING ENGINEERS SDN. BHD. (64404-D)
Mechanical & Electrical Consulting Engineers
No. 27-2, 2nd Floor, Jalan 5/76B, Desa Pandan, 55100 Kuala Lumpur.
Tel : 03 - 9202 2302 // Email : bicemy@gmail.com

PERUNDING QS :

DBN CONSULT SDN BHD (1397824-W)
5-6-5 Wisma Prima Peninsula,
Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

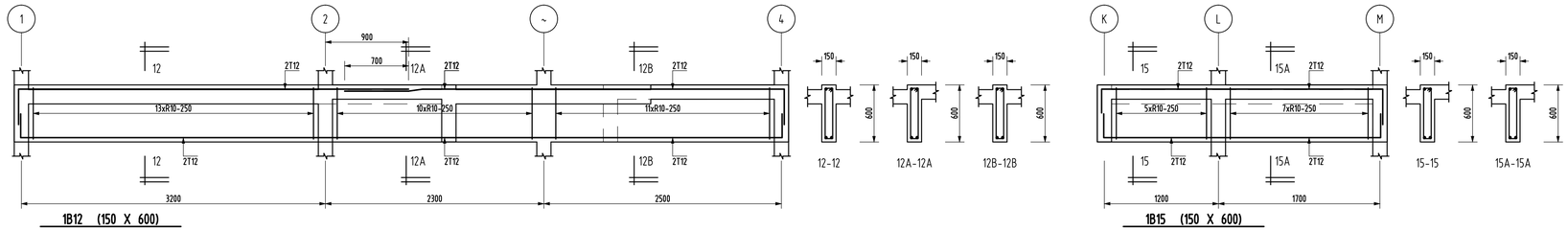
1st FLOOR BEAM DETAILS.

SKALA
TERTERA

TARIKH
JAN 2026

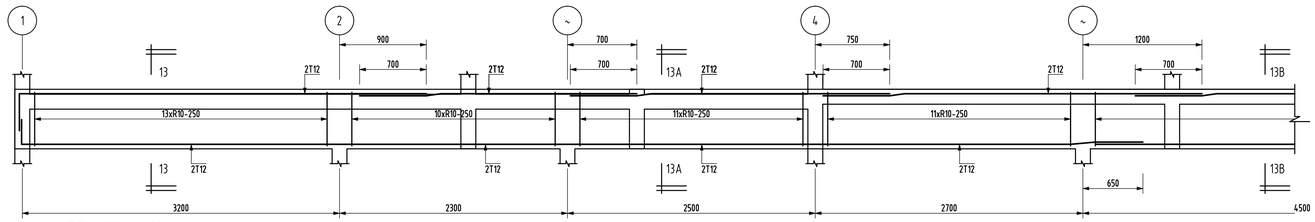
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Dokumen Meja Terkawal

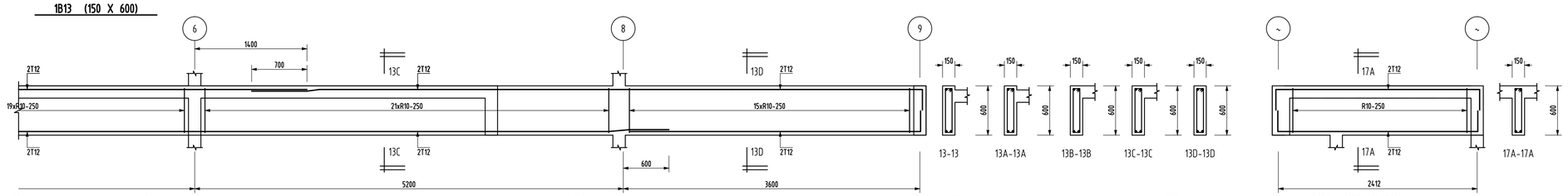


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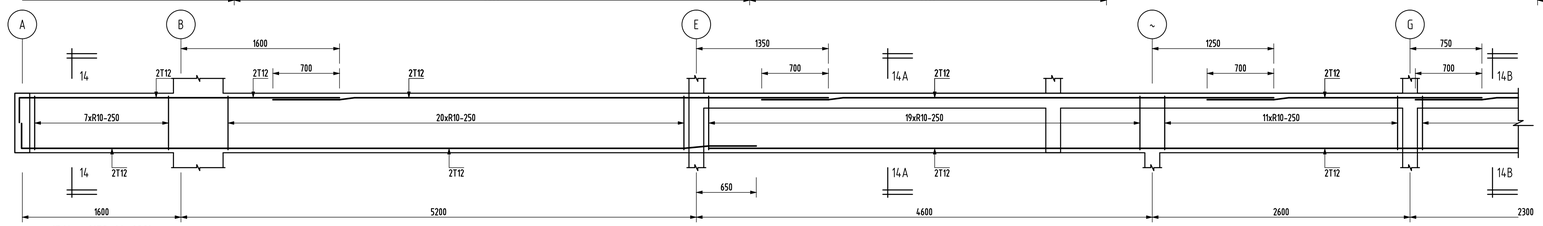
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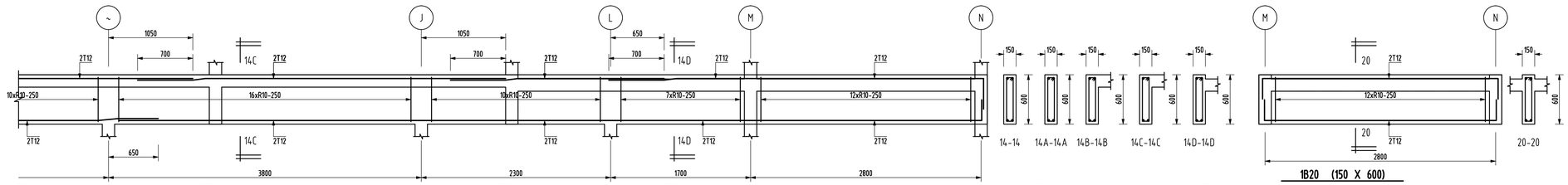
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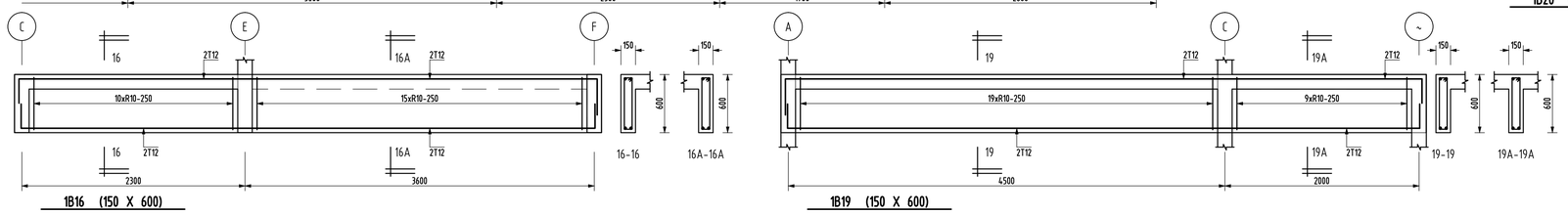
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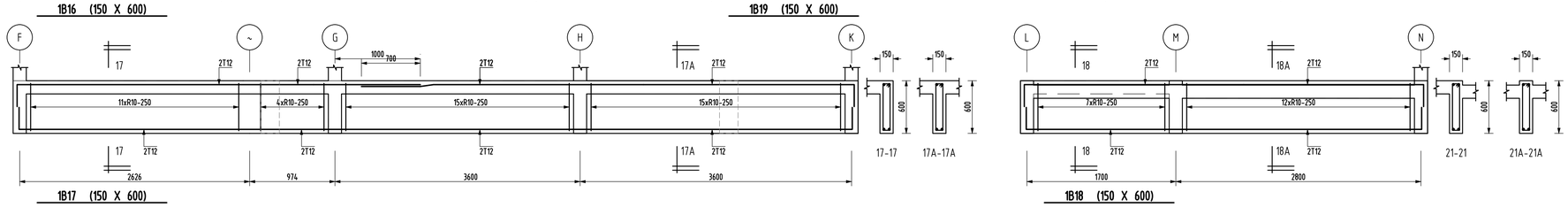


1B20 (150 X 600)



1B16 (150 X 600)

1B19 (150 X 600)



1B17 (150 X 600)

1B18 (150 X 600)

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

PEMILIK / TANDATANGAN PENGUASA PROJEK :

MBPJ

Ir. Ts. AHMAD ROSLAN BIN HAIRUDIN A.I.S
TIMBALAN PENGARAH
JABATAN KEJURUTERAAN
MAJLIS BANDARAYA PETALING JAYA

PERUNDING ARKITEK :

ARCA▼3
Arkitek Sdn. Bhd.
D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya,
47301 Petaling Jaya, Selangor. Tel:03-78875353 Fax:03-78878844

LEMBAGA ARKITEK MALAYSIA

Ar. Anuar B. Mohamed
ARKITEK
No. Pendaftaran LAM : A/A 29

"Saya memperakui bahawa perinci-perinci dalam pelan-pelan ini adalah menurut kehendak-kehendak Undang-undang Kecil Bangunan Seragam Selangor 1986 dan saya setuju terima tanggungjawab dengan sewajarnya"

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Email : dbnc2020@yahoo.com

TAJUK LUKISAN

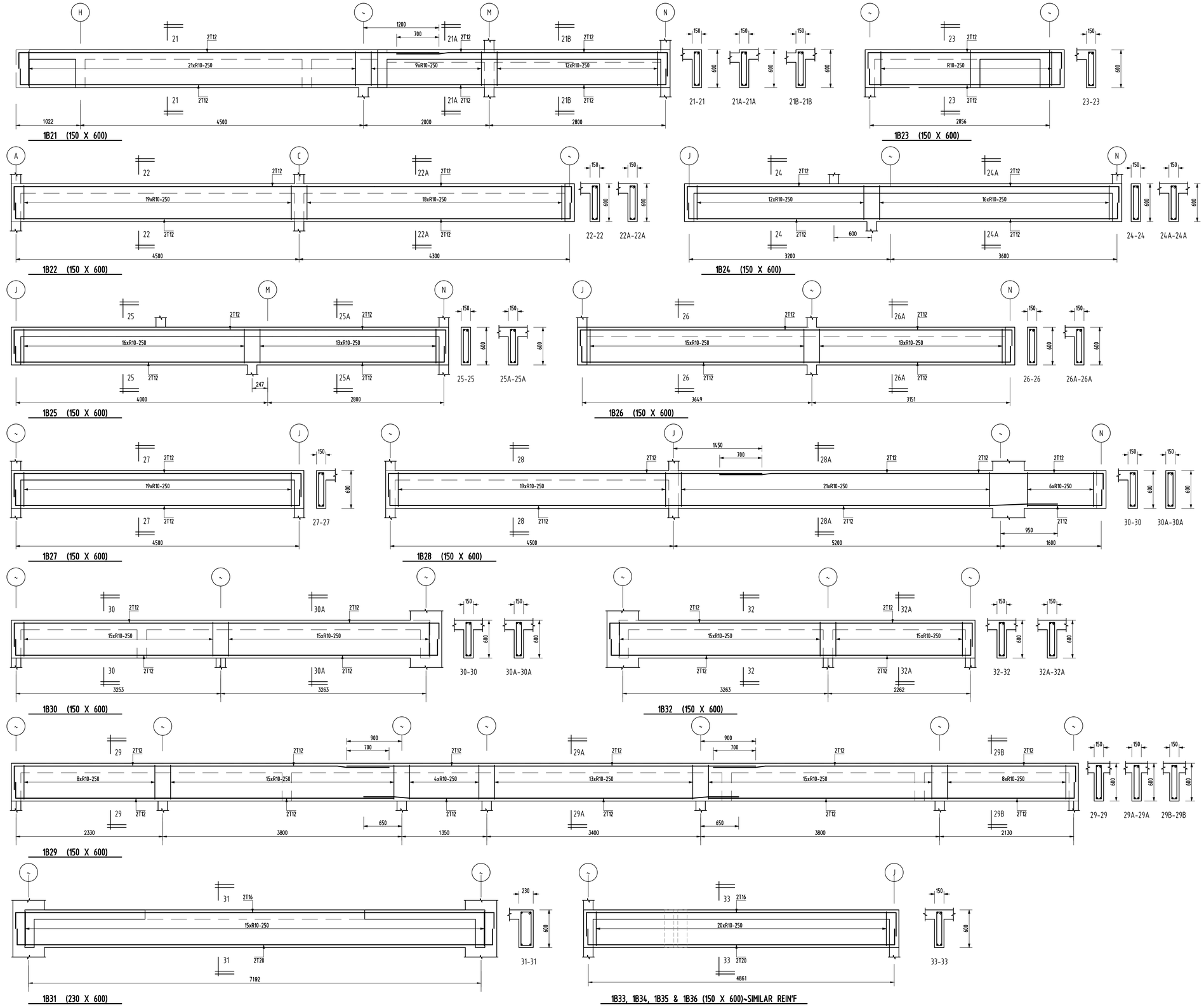
1st FLOOR BEAM DETAILS. (CONT'. 01)

SKALA
TERTERA

TARIKH
JAN 2026

NO LUKISAN
SSDC169/MBPJ/S/1B-03

Dokumen Meja Terkawal



TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

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TIMBALAN PENGARAH
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Arkitek Sdn. Bhd.
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Ar. Anuar B. Mohamed
ARKITEK
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TAJUK LUKISAN

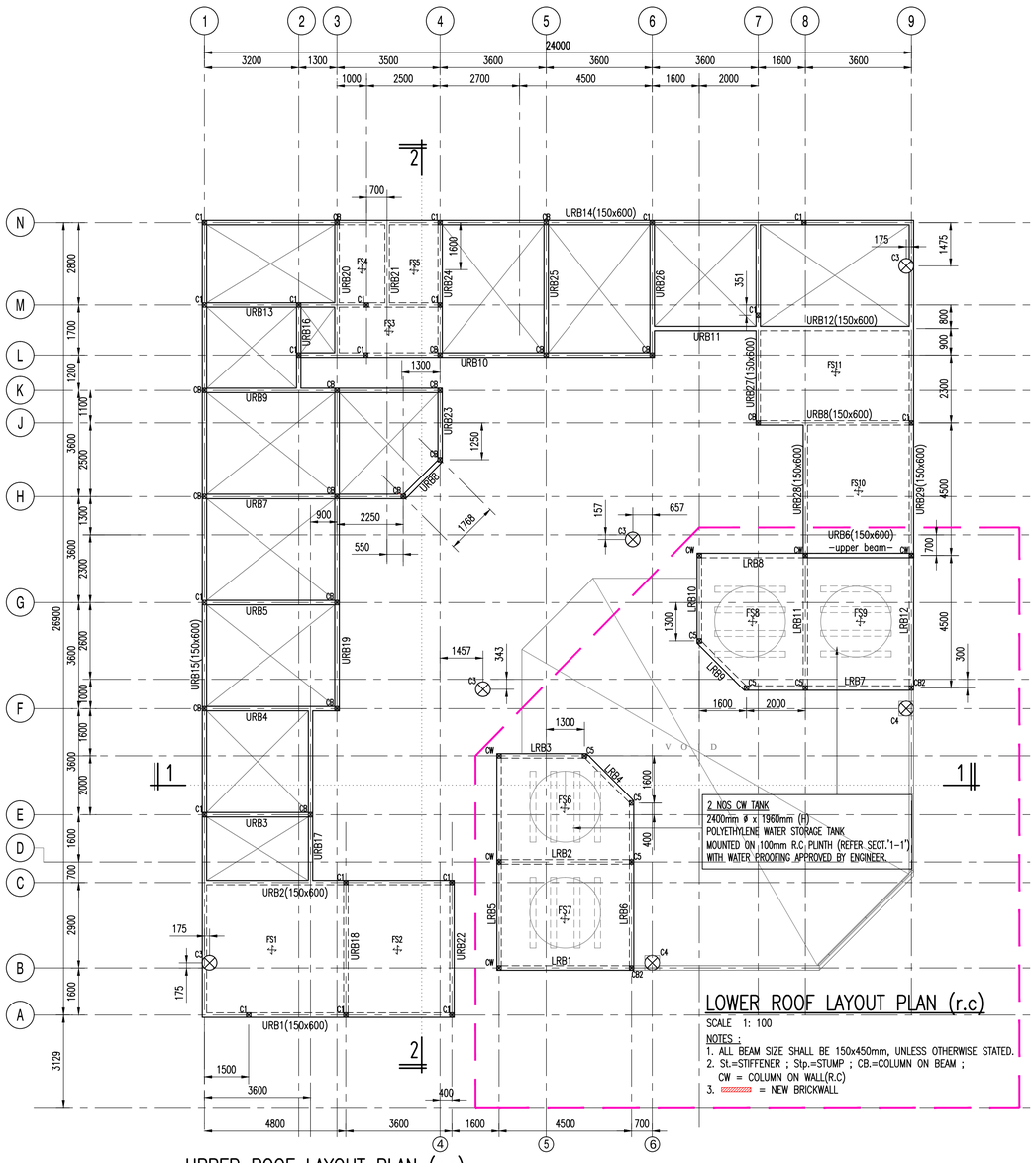
1st FLOOR BEAM DETAILS. (CONT'. 02)

SKALA
TERTERA

TARIKH
JAN 2026

NO LUKISAN
SSDC169/MBPJ/S/1B-04

Dokumen Meja Terkawal



LOWER ROOF LAYOUT PLAN (r.c)

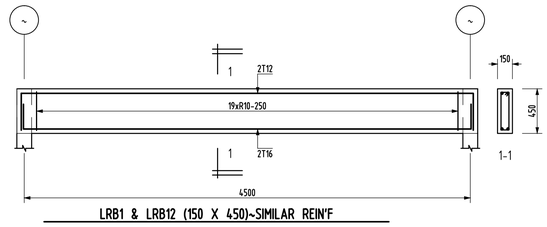
SCALE 1: 100

NOTES :
1. ALL BEAM SIZE SHALL BE 150x450mm, UNLESS OTHERWISE STATED.
2. St.=STIFFENER ; Stp.=STUMP ; CB.=COLUMN ON BEAM ; CW = COLUMN ON WALL(R.C)
3. ▨ = NEW BRICKWALL

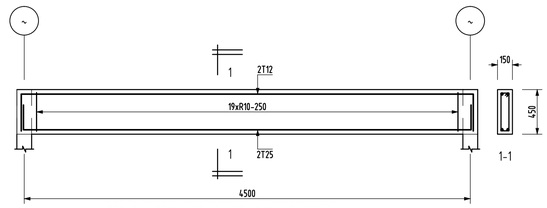
UPPER ROOF LAYOUT PLAN (r.c)

SCALE 1 : 100

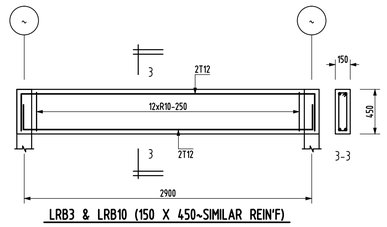
NOTES :
1. ALL FLAT SLAB THICKNESS SHALL BE 150mm THK. c/w 2 LAYER OF BRC 'A8' UNLESS OTHERWISE STATED.
2. ST.=STIFFENER ; Stp.=STUMP ; CB.=COLUMN ON BEAM ; CW = COLUMN ON WALL(R.C)
3. ALL BEAM SIZE SHALL BE 150x450mm, UNLESS OTHERWISE STATED.
4. ▨ = NEW BRICKWALL



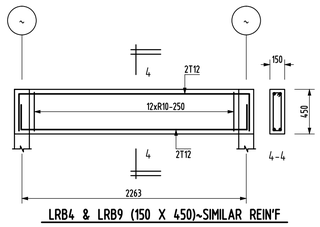
LRB1 & LRB12 (150 X 450)~SIMILAR REIN'F



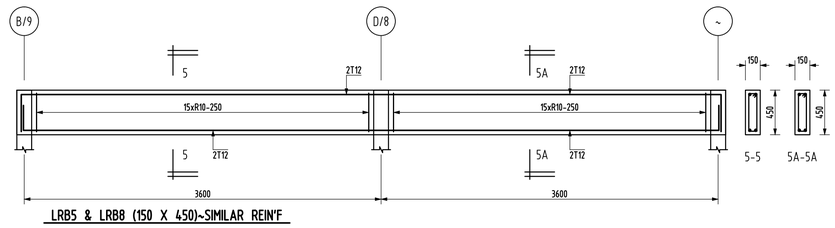
LRB2 & LRB11 (150 X 450)~SIMILAR REIN'F



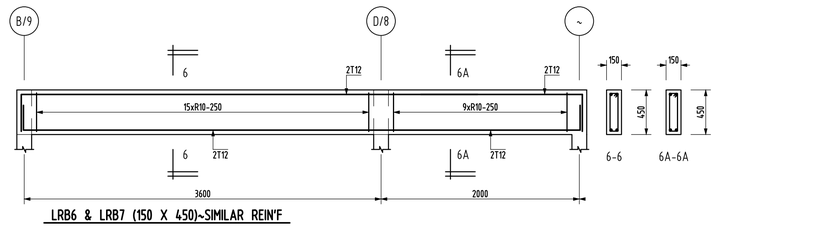
LRB3 & LRB10 (150 X 450~SIMILAR REIN'F)



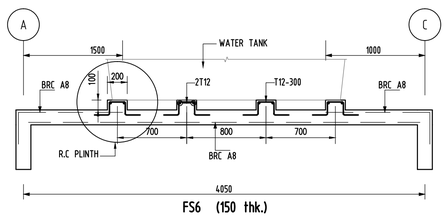
LRB4 & LRB9 (150 X 450)~SIMILAR REIN'F



LRB5 & LRB8 (150 X 450)~SIMILAR REIN'F

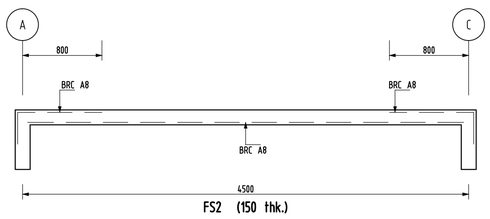


LRB6 & LRB7 (150 X 450)~SIMILAR REIN'F



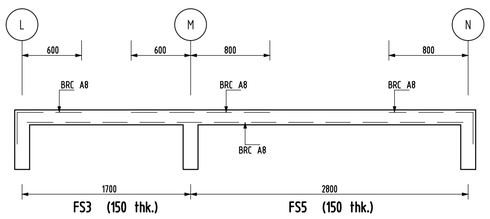
FS6 (150 thk.)

SECTION 1 - 1



FS2 (150 thk.)

SECTION 2 - 2



FS3 (150 thk.) FS5 (150 thk.)

SECTION 2 - 2

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

PEMILIK / TANDATANGAN PENGUASA PROJEK :

Ir. Ts. AHMAD ROSLAN BIN HAIRUDIN A.I.S
TIMBALAN PENGARAH
JABATAN KEJURUTERAAN
MAJLIS BANDARAYA PETALING JAYA

PERUNDING ARKITEK :

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Arkitek Sdn. Bhd.
D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya, 47301 Petaling Jaya, Selangor. Tel:03-78875353 Fax:03-78878844

LEMBAGA ARKITEK MALAYSIA

Ar. Anuar B. Mohamed
ARKITEK
No. Pendaftaran LAM : A/A 29

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54200 Kuala Lumpur
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

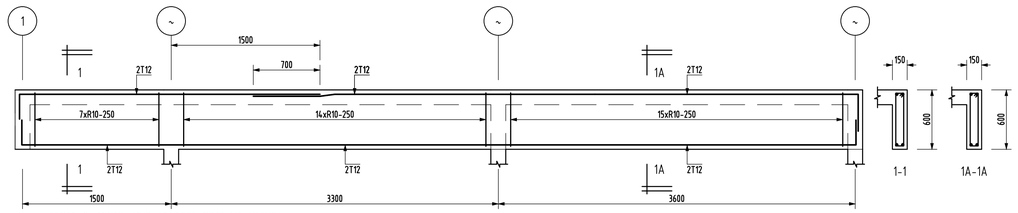
LOWER & UPPER ROOF LAYOUT PLAN (r.c).
LOWER ROOF BEAM DETAILS.
R.C FLATSLAB SECTION DETAILS.

SKALA: TERTERA

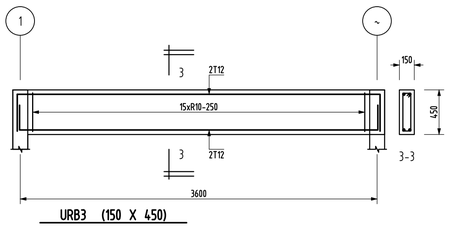
TARIKH: JAN 2026

NO LUKISAN
SSDC169/MBPJ/S/LRB&URB-01

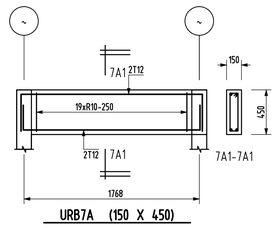
Dokumen Meja Terkawal



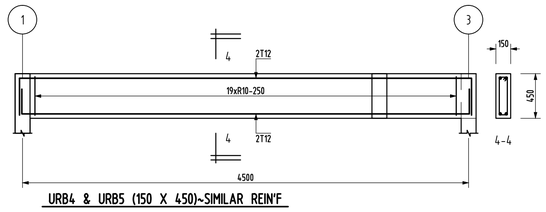
URB1 & URB2 (150 X 600)~SIMILAR REIN'F



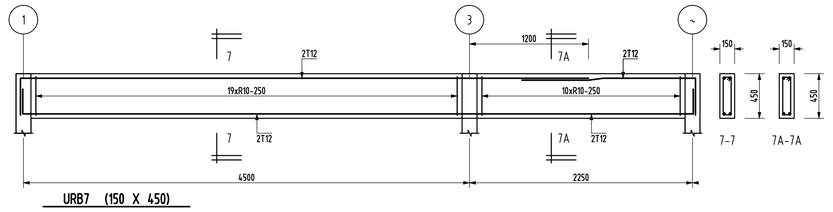
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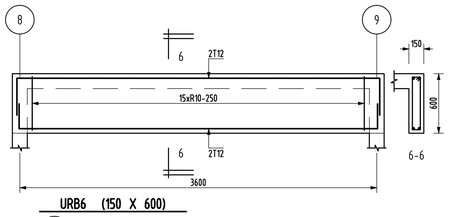
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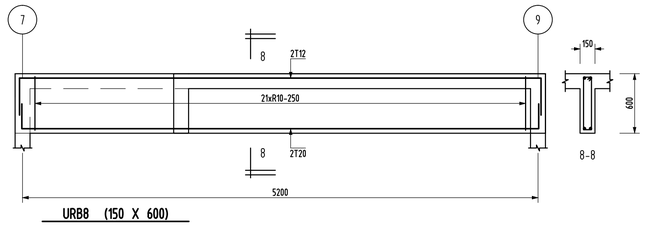
URB4 & URB5 (150 X 450)~SIMILAR REIN'F



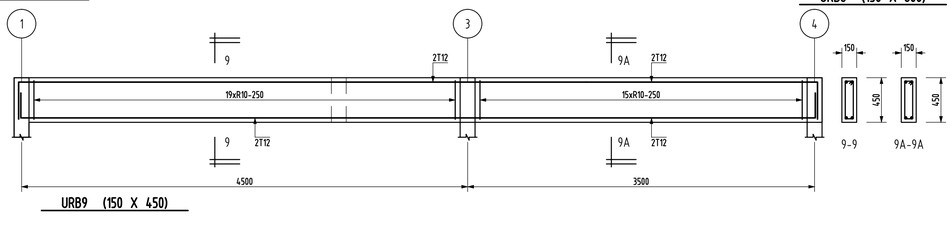
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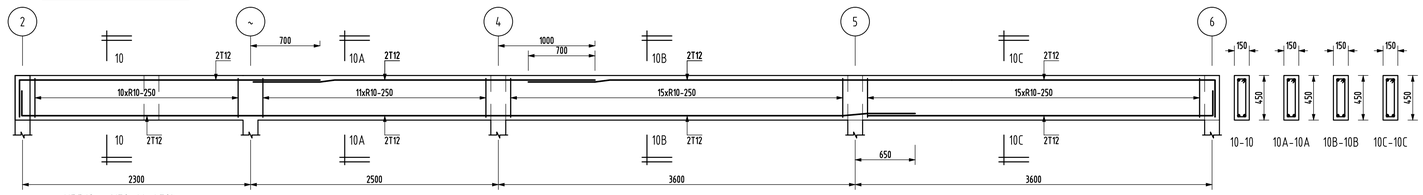
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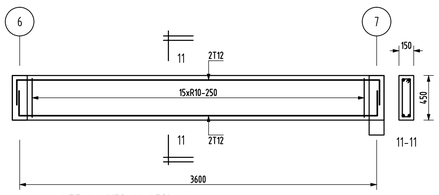
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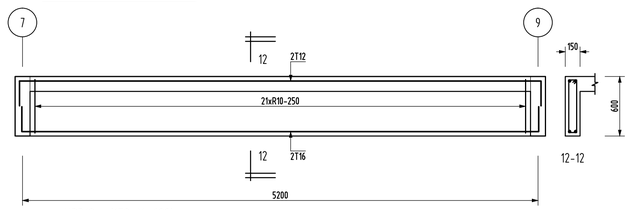
URB9 (150 X 450)



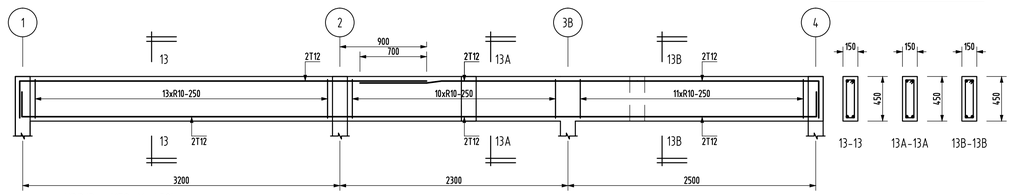
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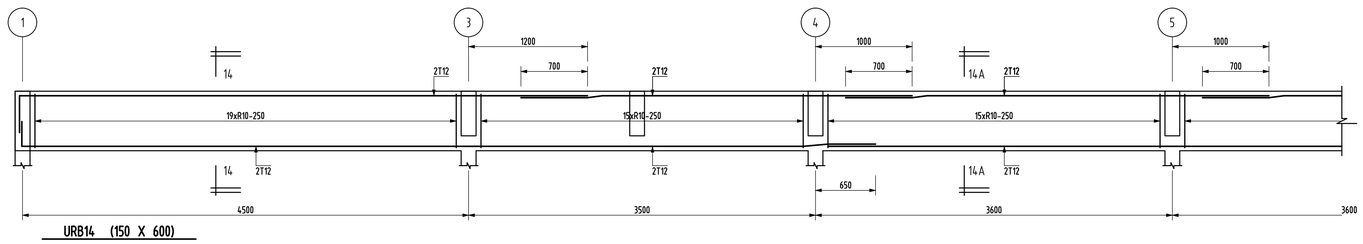
URB11 (150 X 450)



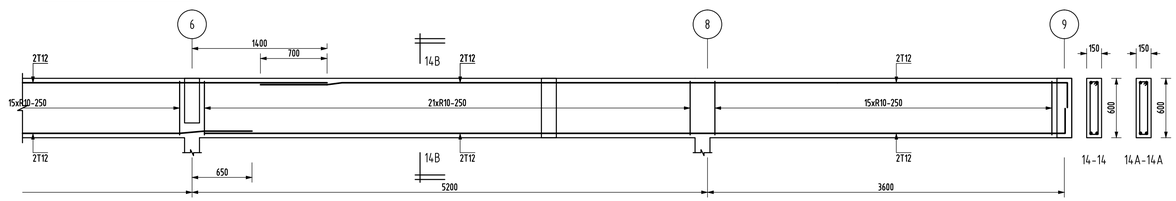
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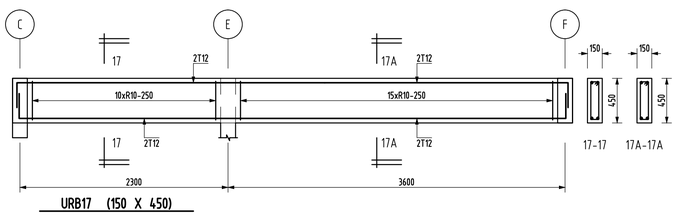


URB13 (150 X 450)



URB14 (150 X 600)





URB17 (150 X 450)

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

TAJUK PROJEK :

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PEMILIK / TANDATANGAN PENGUASA PROJEK :

Ir. Ts. AHMAD ROSLAN BIN HAIRUDIN A.I.S
TIMBALAN PENGARAH
JABATAN KEJURUTERAAN
MAJLIS BANDARAYA PETALING JAYA

PERUNDING ARKITEK :

Arkitek Sdn. Bhd.
D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya,
47301 Petaling Jaya, Selangor. Tel:03-78875353 Fax:03-78878844

Ar. Anuar B. Mohamed
ARKITEK
No. Pendaftaran LAM : A/A 29

"Saya memperakui bahawa perinci-perinci dalam pelan-pelan ini adalah menurut kehendak-kehendak Undang-undang Kecil Bangunan Seragam Selangor 1986 dan saya setuju terima tanggungjawab dengan sewajarnya"

PERUNDING C&S :

SS DESIGN CONSULT (001490635-T)
No. 20-1F, Jalan AU 1A/4A,
Taman Keramat Permai,
54200 Kuala Lumpur.
Tel : 03-42654880
Email : ssdesignconsult@yahoo.com

PERUNDING M&E :

BI CONSULTING ENGINEERS SDN. BHD. (64404-D)
Mechanical & Electrical Consulting Engineers
No. 27-2, 2nd Floor, Jalan 5/76B, Desa Pandan, 55100 Kuala Lumpur.
Tel : 03 - 9202 2302 // Email : bicemy@gmail.com

PERUNDING QS :

DBN CONSULT SDN BHD (1397824-W)
5-6-5 Wisma Prima Peninsula,
Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

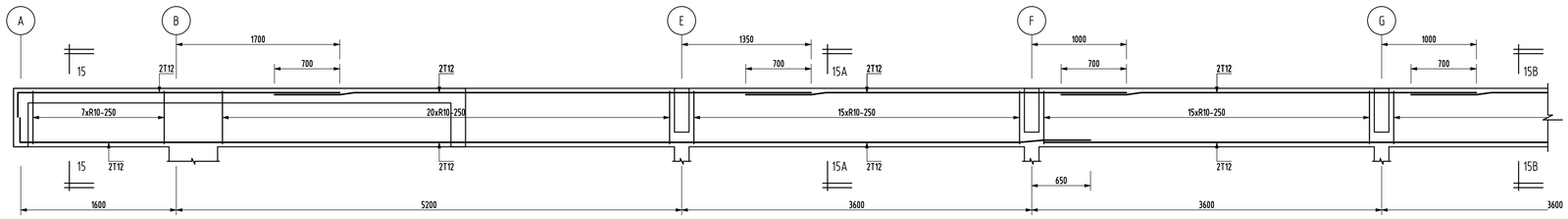
UPPER ROOF BEAM DETAILS.

SKALA
TERTERA

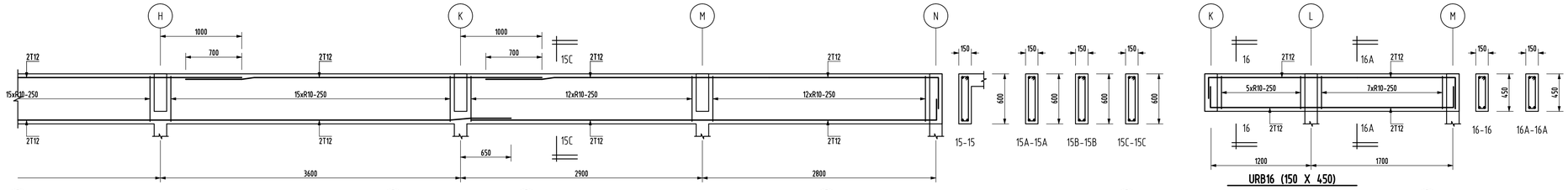
TARIKH
JAN 2026

NO LUKISAN
SSDC169/MBPJ/S/LRB&URB-02

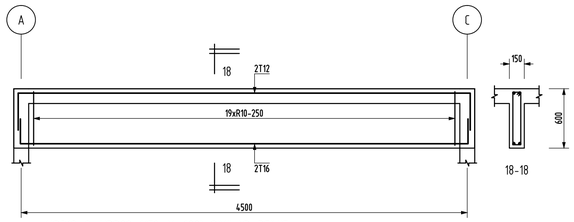
Dokumen Meja Terkawal



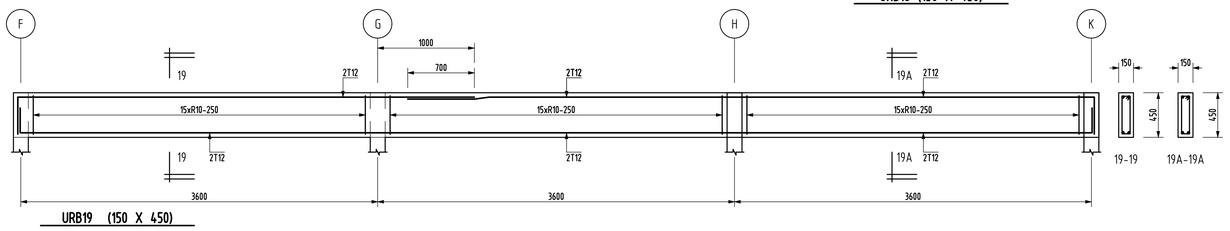
URB15 (150 X 600)



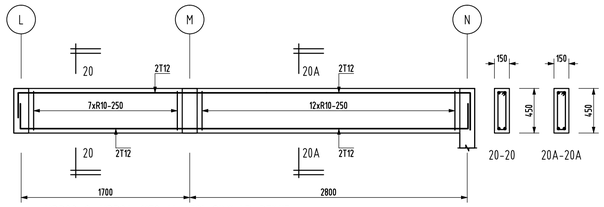
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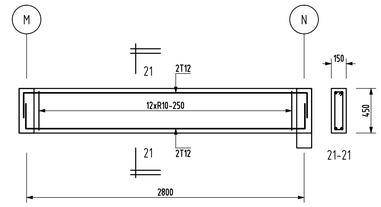
URB18 & URB22 (150 X 600)~SIMILAR REIN'F



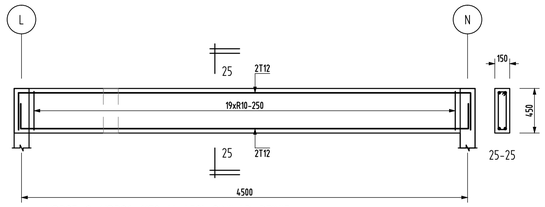
URB19 (150 X 450)



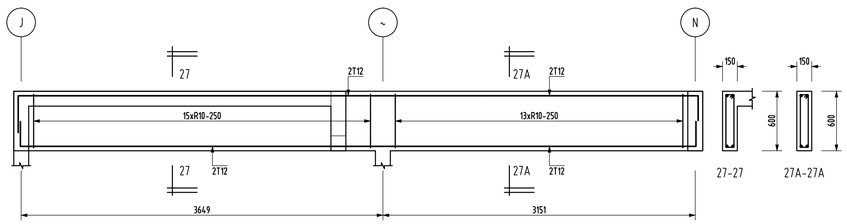
URB20 & URB24 (150 X 450)~SIMILAR REIN'F



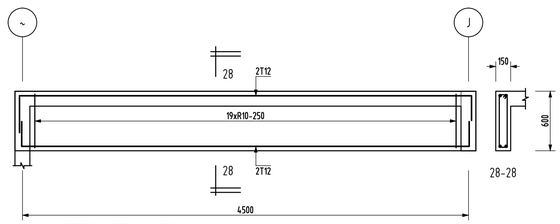
URB21 (150 X 450)



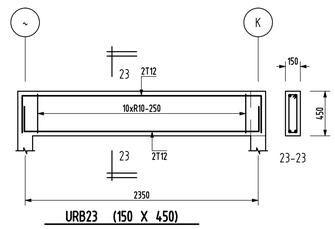
URB25 & URB26 (150 X 450)~SIMILAR REIN'F



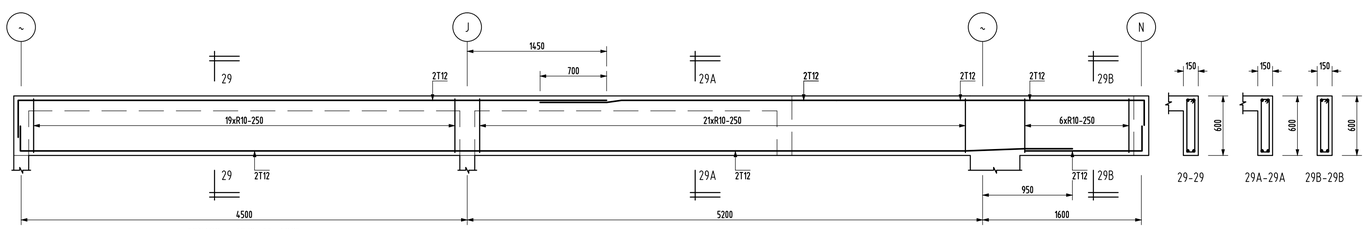
URB27 (150 X 600)



URB28 (150 X 600)



URB23 (150 X 450)



URB29 (150 X 600)

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

PEMILIK / TANDATANGAN PENGUASA PROJEK :

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JABATAN KEJURUTERAAN
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PERUNDING ARKITEK :

ARCA 3
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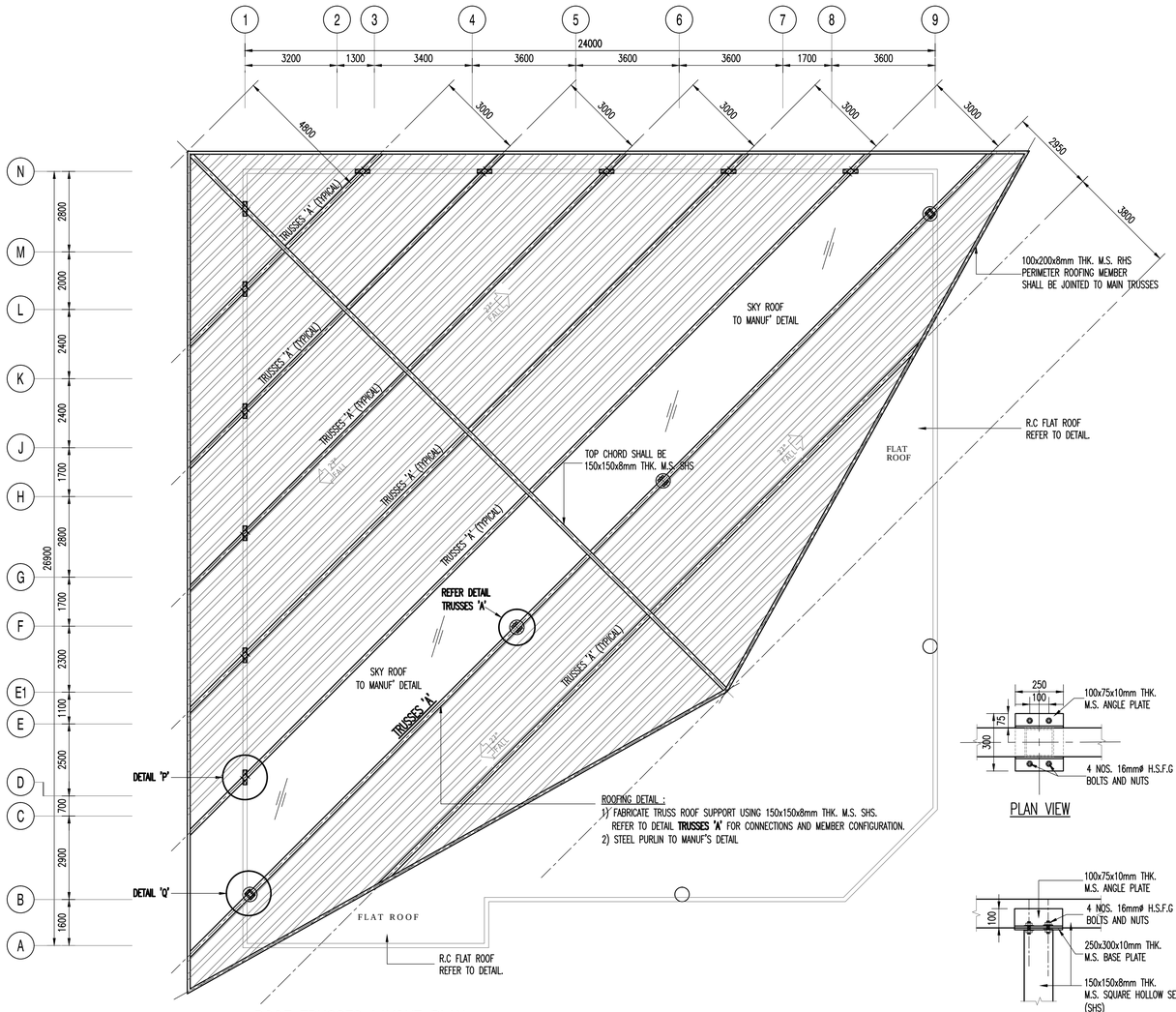
UPPER ROOF BEAM DETAILS. (CONT'.)

SKALA
TERTERA

TARIKH
JAN 2026

NO LUKISAN
SSDC169/MBPJ/S/LRB&URB-03

Dokumen Meja Terkawal



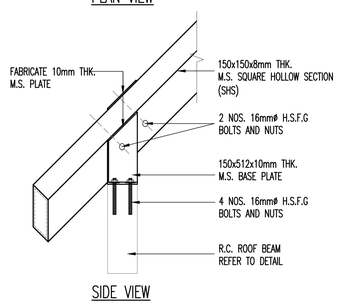
ROOFING DETAIL :
1) FABRICATE TRUSS ROOF SUPPORT USING 150x150x8mm THK. M.S. SHS.
REFER TO DETAIL **TRUSSES 'A'** FOR CONNECTIONS AND MEMBER CONFIGURATION.
2) STEEL PURLIN TO MANUF'S DETAIL

ROOF TRUSSES LAYOUT PLAN (UPPER LEVEL)

SCALE 1 : 100

NOTES :
1. ALL JOINT STEEL STRUCTURE MUST BE FILLET WELD 6mm THK ALL ROUND, UNLESS OTHERWISE STATED.
2. THE HEIGHT LEVEL SHALL BE REFER/CONFIRM WITH ARCHITECTURE PLAN.

PLAN VIEW



SIDE VIEW

DETAIL 'P'

SCALE 1 : 15

ALL JOINT STEEL STRUCTURE MUST BE FILLET WELD 6mm THK ALL ROUND, UNLESS OTHERWISE STATED.

STEEL STRUCTURE NOTES

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND ENGINEER'S DRAWING. ANY DESCREPANCY SHALL BE REPORTED TO THE S.O. BEFORE COMMENCEMENT OF WORKS.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
3. ALL DIMENSIONS TO BE CONFIRMED ON SITE. ANY DISCREPANCIES TO BE REPORTED TO THE ARCHITECT/ENGINEER BEFORE WORK COMMENCES.
4. DIMENSIONS NOT SHOWN TO BE REFERRED TO ARCHITECT.
5. ALL WELDING TO BE 6.0mm THICK FILLED WELD OR 75% OF THE MEMBER THICKNESS, WHICHEVER IS GREATER, UNLESS OTHERWISE STATED.
6. ALL STRUCTURAL STEEL SHALL CONFORM TO BS 4360 AND SHALL BE GRADE GR43A UNLESS NOTED OTHERWISE ON THE DRAWINGS.
7. ALL BOLTS TO BE HOT DIPPED GALVANISED AND IN ACCORDANCE TO THE FOLLOWING CODES OF PRACTICE :
   5.1 BLACK BOLTS : BS 4190
8. ALL WELDING ELECTRODES SHALL BE IN ACCORDANE WITH BS 639 : 1976
9. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF BS 5950.
10. WELDING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF BS 5135
11. CONTRACTOR IS TO SUBMIT FULL SHOP DRAWINGS FOR ALL STRUCTURE WORKS FOR APPROVAL BEFORE COMMENCEMENT OF WORK.

PROTECTIVE COATING OF STEELWORK

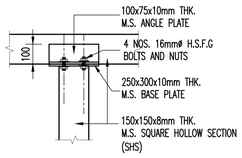
THE FOLLOWING SCHEDULE SHALL BE COMPLIED FOR THE STRUCTURAL STEEL BLASTING AND PAINTING :
a) STRUCTURAL STEEL SURFACE SHALL BE WIRE BRUSHED.
b) PROTECTIVE COATING OF STEELWORK SHALL CONFORM TO BS 5493.

COATING SYSTEM

(i)	PRIME COAT – ZINC PHOSPHATE EPOXY PRIMER	100 MICRONS
(ii)	INTERMEDIATE COAT – POLYAMIDE EPOXY	100 MICRONS
(iii)	TOPCOAT – ALIPHATIC POLYURETHANE	50 MICRONS

ALL COATING SYSTEMS SHALL BE SHOP APPLIED EXCEPT FOR THE TOP-COAT WHICH SHALL BE SITE APPLIED FOLLOWING ERECTION AND FINAL FIXING. THE COLOUR OF THE TOP-COAT SHALL BE SELECTED AND APPROVED BY THE ARCHITECT.

PLAN VIEW

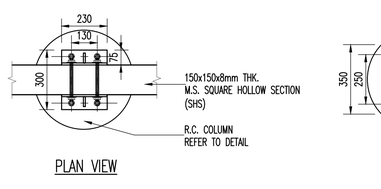


SIDE VIEW

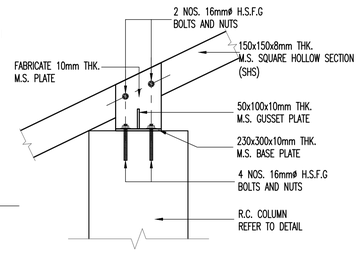
DETAIL 'S'

SCALE 1 : 15

ALL JOINT STEEL STRUCTURE MUST BE FILLET WELD 6mm THK ALL ROUND, UNLESS OTHERWISE STATED.



PLAN VIEW

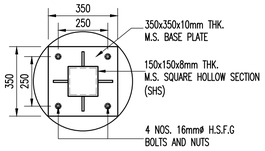


SIDE VIEW

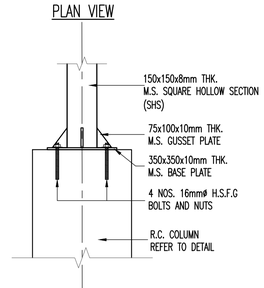
DETAIL 'Q'

SCALE 1 : 15

ALL JOINT STEEL STRUCTURE MUST BE FILLET WELD 6mm THK ALL ROUND, UNLESS OTHERWISE STATED.



PLAN VIEW

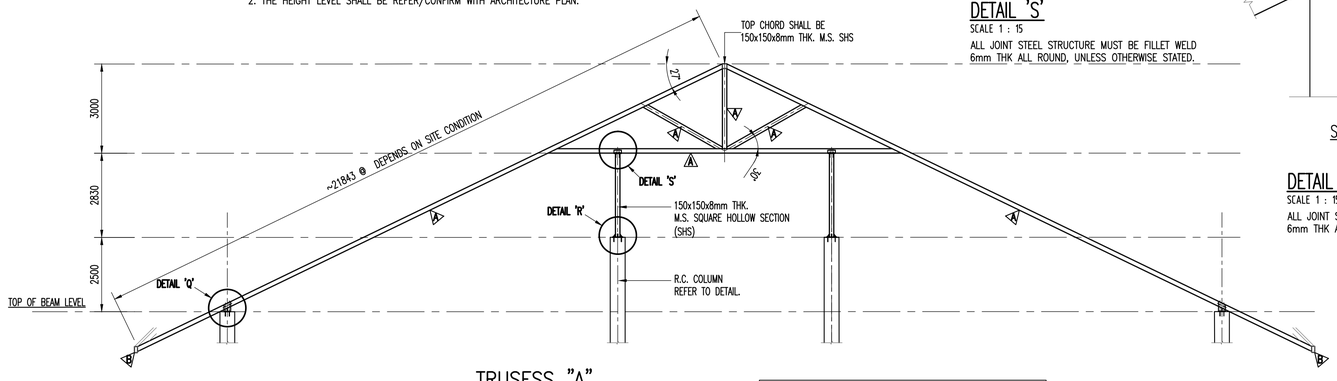


SIDE VIEW

DETAIL 'R'

SCALE 1 : 15

ALL JOINT STEEL STRUCTURE MUST BE FILLET WELD 6mm THK ALL ROUND, UNLESS OTHERWISE STATED.



TRUSESS "A"

SCALE 1 : 100

NOTES :
ALL JOINT STEEL STRUCTURE MUST BE FILLET WELD 6mm THK ALL ROUND, UNLESS OTHERWISE STATED.

LEGEND:

1. DENOTES 'A' = 150x150x8mm M.S. SQUARE HOLLOW SECTION (RHS)
2. DENOTES 'B' = 100x200x8mm M.S. REC. HOLLOW SECTION (RHS)

NOTES

CONTRACTOR IS TO SUBMIT FULL SHOP DRAWINGS FOR ALL STEEL STRUCTURE WORKS FOR APPROVAL BEFORE COMMENCEMENT OF WORK.

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

PEMILIK / TANDATANGAN PENGUASA PROJEK :

Ir. Ts. AHMAD ROSLAN BIN HAIRUDIN A.I.S
TIMBALAN PENGARAH
JABATAN KEJURUTERAAN
MAJLIS BANDARAYA PETALING JAYA

PERUNDING ARKITEK :

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Arkitek Sdn. Bhd.
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Ar. Anuar B. Mohamed
ARKITEK
No. Pendaftaran LAM : A/A 29

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Tel : 03-42654880
Email : ssdesignconsult@yahoo.com

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TAJUK LUKISAN

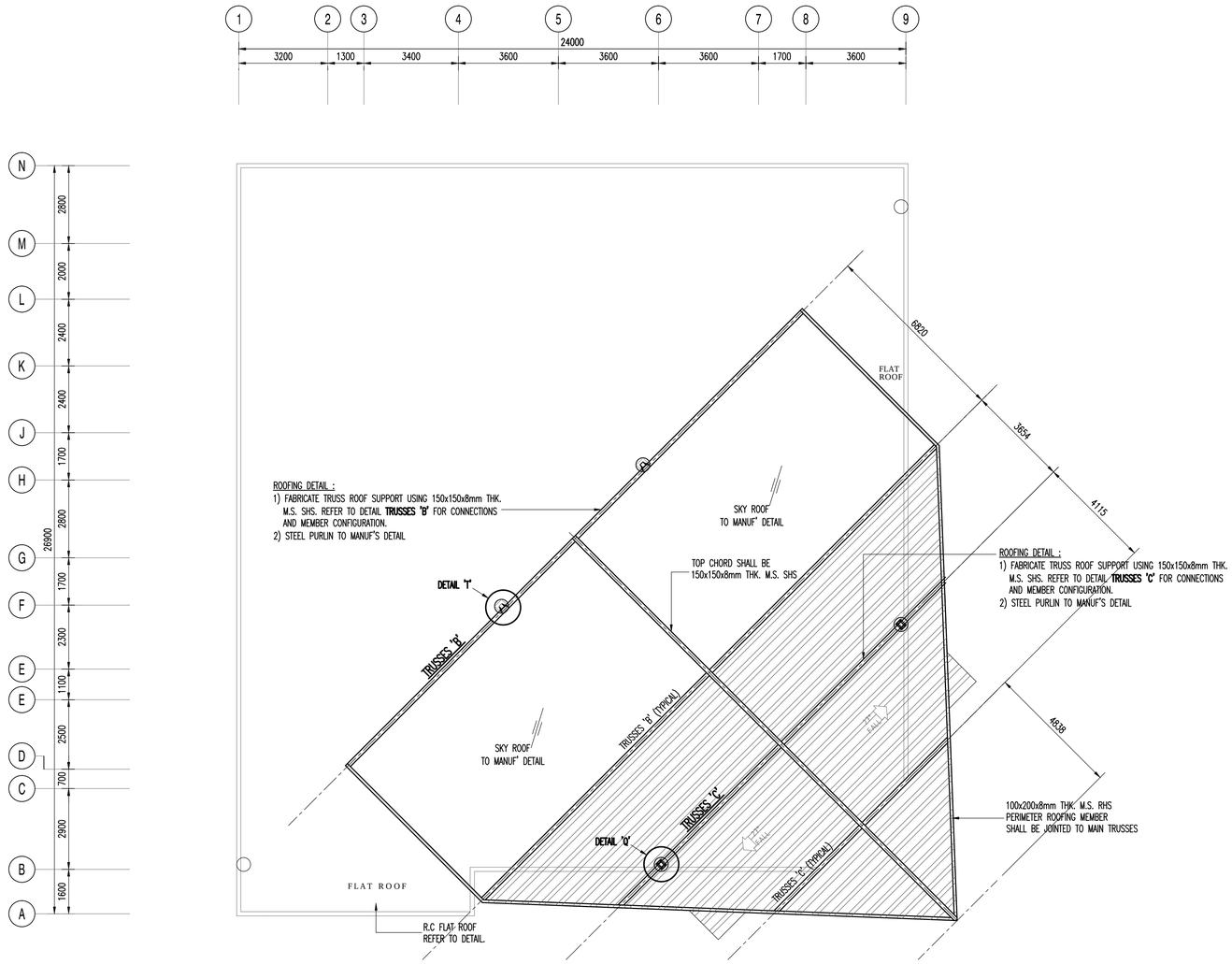
ROOF TRUSSES LAYOUT PLAN (UPPER LEVEL).
TRUSSES 'A' AND ALL TYPICAL DETAILS.

SKALA
TERTERA

TARIKH
JAN 2026

NO LUKISAN
SSDC169/MBPJ/S/TR-01

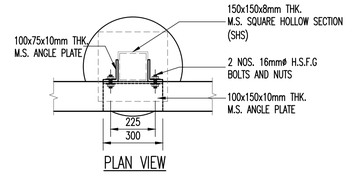
Dokumen Meja Terkawal



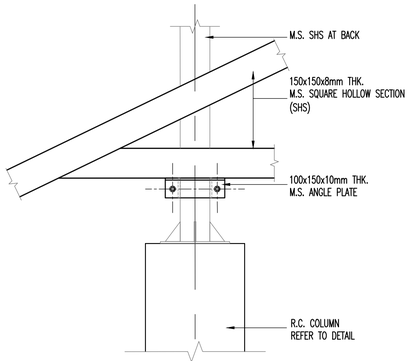
ROOF TRUSSES LAYOUT PLAN (MIDDLE LEVEL)

SCALE 1 : 100

NOTES :
1. ALL JOINT STEEL STRUCTURE MUST BE FILLET WELD 6mm THK ALL ROUND, UNLESS OTHERWISE STATED.
2. THE HEIGHT LEVEL SHALL BE REFER/CONFIRM WITH ARCHITECTURE PLAN.



PLAN VIEW

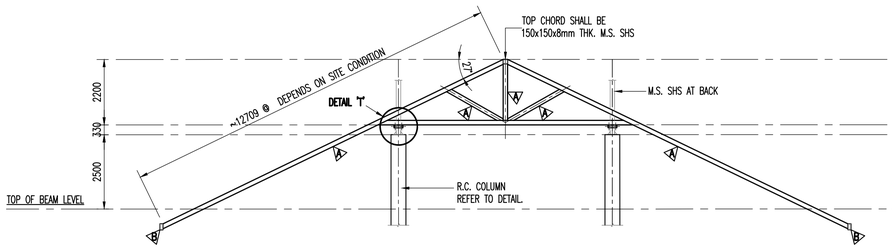


SIDE VIEW

DETAIL 'T'

SCALE 1 : 15

ALL JOINT STEEL STRUCTURE MUST BE FILLET WELD 6mm THK ALL ROUND, UNLESS OTHERWISE STATED.

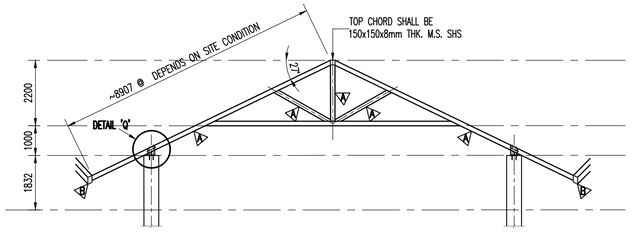


TRUSESS "B"

SCALE 1 : 100

NOTES :
ALL JOINT STEEL STRUCTURE MUST BE FILLET WELD 6mm THK ALL ROUND, UNLESS OTHERWISE STATED.

LEGEND:
1. DENOTES 'A' = 150x150x8mm M.S. SQUARE HOLLOW SECTION (RHS)
2. DENOTES 'B' = 100x200x8mm M.S. REC. HOLLOW SECTION (RHS)



TRUSESS "C"

SCALE 1 : 100

NOTES :
ALL JOINT STEEL STRUCTURE MUST BE FILLET WELD 6mm THK ALL ROUND, UNLESS OTHERWISE STATED.

LEGEND:
1. DENOTES 'A' = 150x150x8mm M.S. SQUARE HOLLOW SECTION (RHS)
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NOTES
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TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

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JABATAN KEJURUTERAAN
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TAJUK LUKISAN

ROOF TRUSSES LAYOUT PLAN (MIDDLE LEVEL). TRUSSES 'B' & 'C' AND ALL TYPICAL DETAILS.

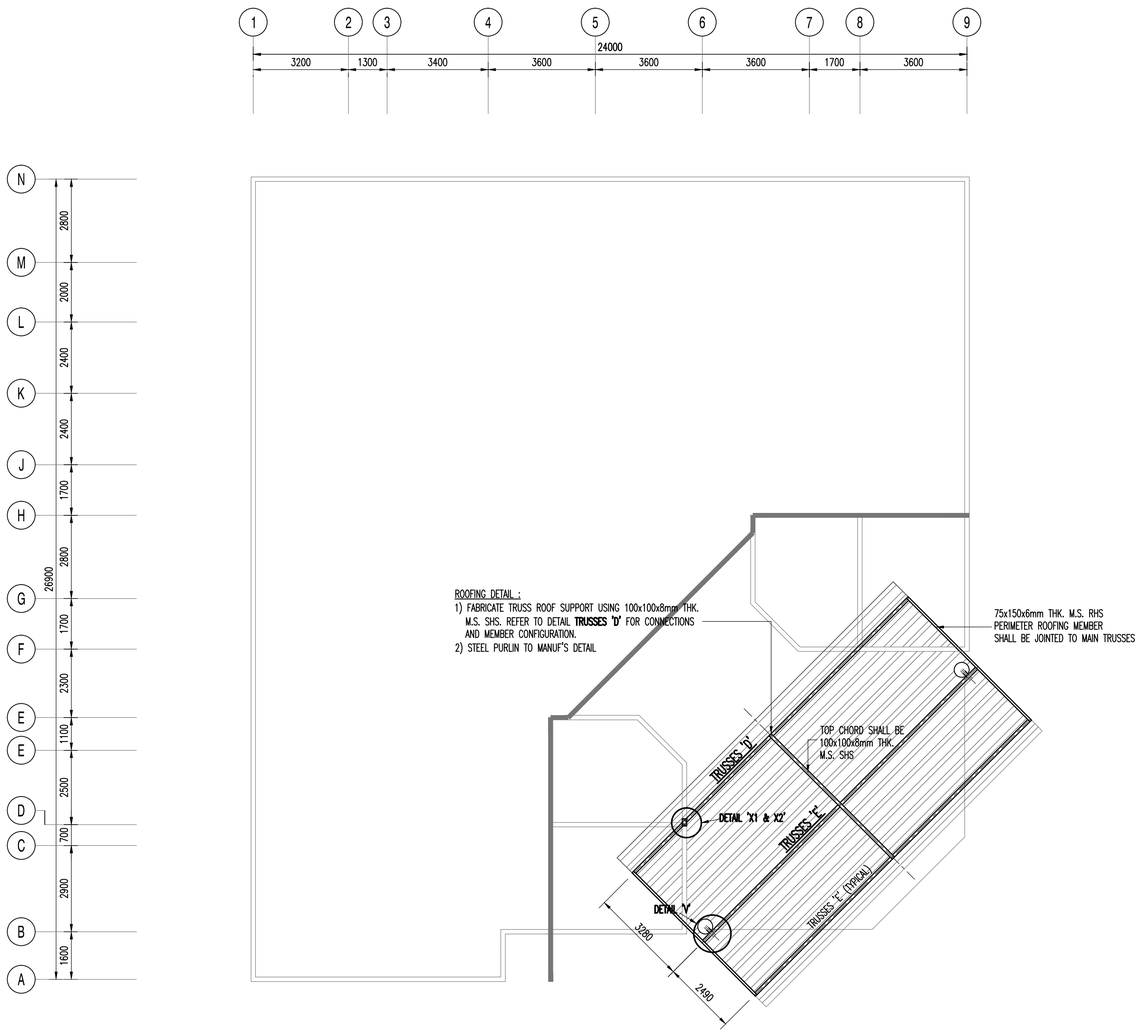
SKALA: TERTERA

TARIKH: JAN 2026

NO LUKISAN

SSDC169/MBPJ/S/TR-02

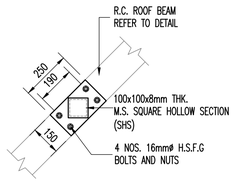
Dokumen Meja Terkawal



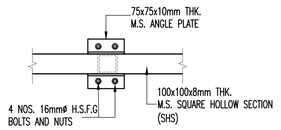
ROOF TRUSSES LAYOUT PLAN (LOWER LEVEL)

SCALE 1 : 100

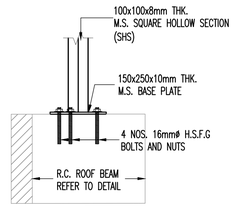
NOTES :
1. ALL JOINT STEEL STRUCTURE MUST BE FILLET WELD 6mm THK ALL ROUND, UNLESS OTHERWISE STATED.
2. THE HEIGHT LEVEL SHALL BE REFER/CONFIRM WITH ARCHITECTURE PLAN.



PLAN VIEW



PLAN VIEW

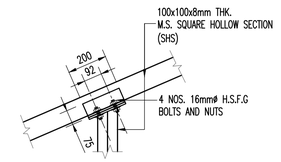


SIDE VIEW

DETAIL 'X1'

SCALE 1 : 15

ALL JOINT STEEL STRUCTURE MUST BE FILLET WELD 6mm THK ALL ROUND, UNLESS OTHERWISE STATED.

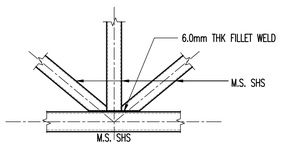


SIDE VIEW

DETAIL 'X2'

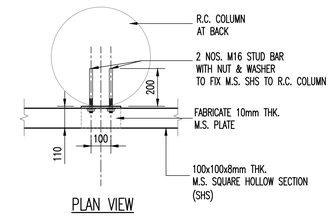
SCALE 1 : 15

ALL JOINT STEEL STRUCTURE MUST BE FILLET WELD 6mm THK ALL ROUND, UNLESS OTHERWISE STATED.

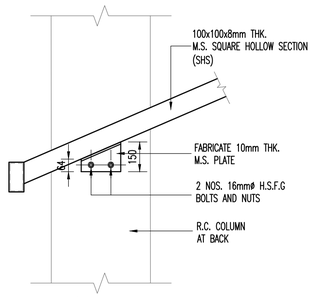


TYP. DETAILS CONNECTION

SCALE 1 : 15



PLAN VIEW

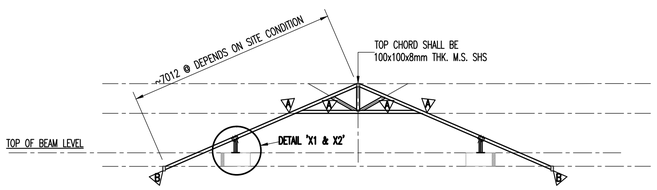


SIDE VIEW

DETAIL 'V'

SCALE 1 : 15

ALL JOINT STEEL STRUCTURE MUST BE FILLET WELD 6mm THK ALL ROUND, UNLESS OTHERWISE STATED.

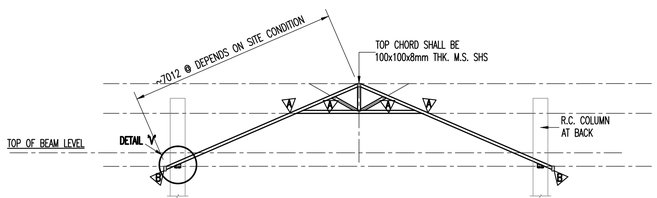


TRUSESS "D"

SCALE 1 : 100

NOTES :
ALL JOINT STEEL STRUCTURE MUST BE FILLET WELD 6mm THK ALL ROUND, UNLESS OTHERWISE STATED.

LEGEND:
1. DENOTES 'A' = 100x100x8mm M.S. SQUARE HOLLOW SECTION (RHS)
2. DENOTES 'B' = 75x150x6mm M.S. REC. HOLLOW SECTION (RHS)



TRUSESS "E"

SCALE 1 : 100

NOTES :
ALL JOINT STEEL STRUCTURE MUST BE FILLET WELD 6mm THK ALL ROUND, UNLESS OTHERWISE STATED.

LEGEND:
1. DENOTES 'A' = 100x100x8mm M.S. SQUARE HOLLOW SECTION (RHS)
2. DENOTES 'B' = 75x150x6mm M.S. REC. HOLLOW SECTION (RHS)

NOTES

CONTRACTOR IS TO SUBMIT FULL SHOP DRAWINGS FOR ALL STEEL STRUCTURE WORKS FOR APPROVAL BEFORE COMMENCEMENT OF WORK.

TENDER DRAWING
SS DESIGN CONSULT

NO. FAIL MBPJ :

TAJUK PROJEK :

KERJA-KERJA PEMBINAAN KOMPLEKS PEMBANGUNAN USAHAWAN DI ATAS LOT PT 21775, PERSIARAN CEMPAKA, PJU 9, MUKIM BANDAR SRI DAMANSARA DAN LAIN-LAIN KERJA BERKAITAN UNTUK MAJLIS BANDARAYA PETALING JAYA.

PEMILIK / TANDATANGAN PENGUASA PROJEK :

Ir. Ts. AHMAD ROSLAN BIN HAIRUDIN A.I.S
TIMBALAN PENGARAH
JABATAN KEJURUTERAAN
MAJLIS BANDARAYA PETALING JAYA

PERUNDING ARKITEK :

ARCA+3
Arkitek Sdn. Bhd.
D-1-05, Jalan SS 6/20A, Dataran Glomac, Pusat Bandar Kelana Jaya, 47301 Petaling Jaya, Selangor. Tel:03-78875353 Fax:03-78878844

LEMBAGA ARKITEK MALAYSIA

Ar. Ansar B. Mohamed
ARKITEK
No. Pendaftaran LAM : A/A 29

"Saya memperakui bahawa perinci-perinci dalam pelan-pelan ini adalah menurut kehendak-kehendak Undang-undang Kecil Bangunan Seragam Selangor 1986 dan saya setuju terima tanggungjawab dengan sewajarnya"

PERUNDING C&S :

SS DESIGN CONSULT (001490635-T)
No. 20-1F, Jalan AU 1A/4A,
Taman Keramat Permai,
54200 Kuala Lumpur.
Tel : 03-42654880
Email : ssdesignconsult@yahoo.com

PERUNDING M&E :

BI CONSULTING ENGINEERS SDN. BHD. (64404-D)
Mechanical & Electrical Consulting Engineers
No. 27-2, 2nd Floor, Jalan 5/76B, Desa Pandan, 55100 Kuala Lumpur.
Tel : 03 - 9202 2302 // Email : bicemy@gmail.com

PERUNDING QS :

DBN CONSULT SDN BHD (1397824-W)
5-6-5 Wisma Prima Peninsula,
Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur
Tel : 03-4252 2780 Fax : 03-4252 2513
Email : dbnc2020@yahoo.com

TAJUK LUKISAN

ROOF TRUSSES
LAYOUT PLAN (LOWER LEVEL).
TRUSSES 'D' AND ALL TYPICAL DETAILS.

SKALA: TERTERA

TARIKH: JAN 2026

NO LUKISAN

SSDC169/MBPJ/S/TR-03