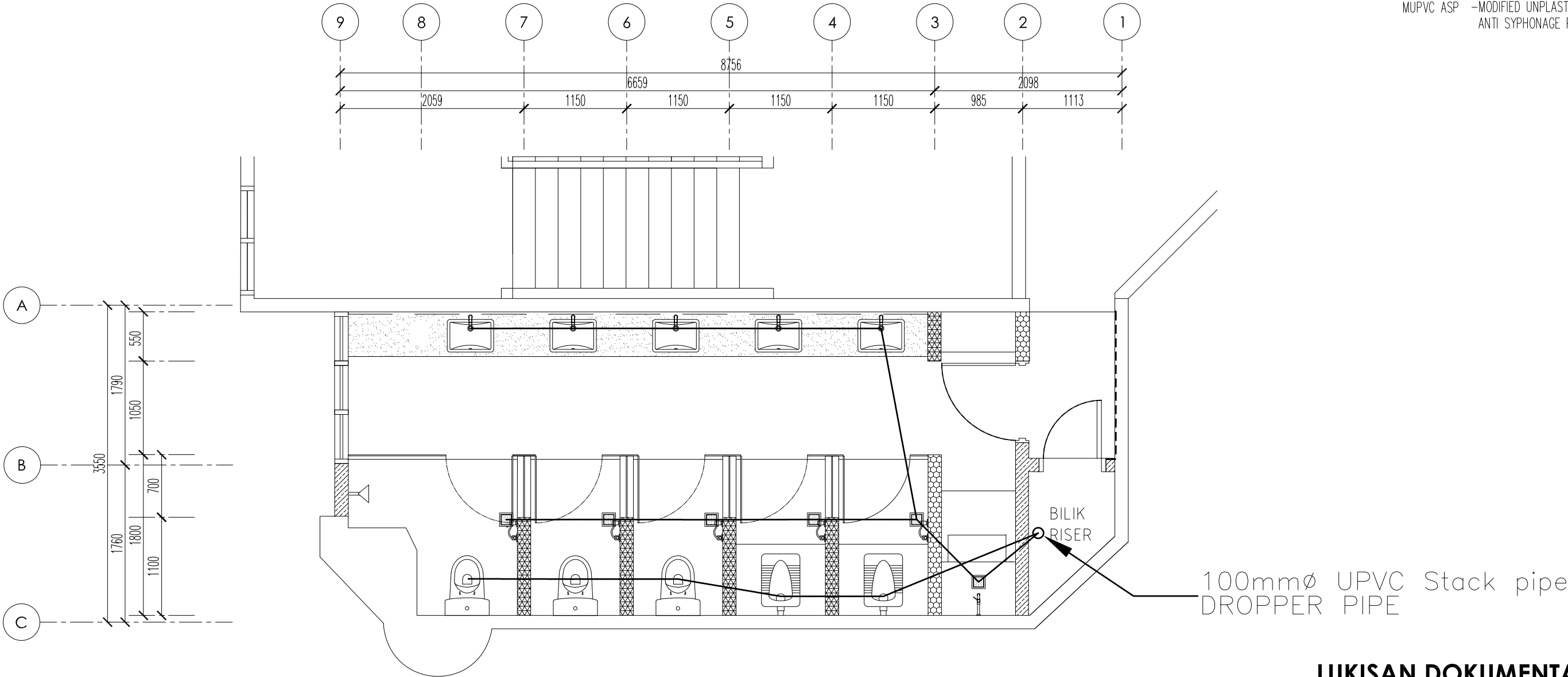


NOTES FOR SANITARY PIPING SIZE		NOTES & LEGEND:	
DESCRIPTION	PIPE SIZE	B	-BASIN
BASIN	32mmø mUPVC	S	-SINK
FLOOR TRAP	80mmø UPVC	FT	-FLOOR TRAP
WATER CLOSET	100mmø UPVC	U	-URINAL
GULLY TRAP TO MANHOLE	100mmø UPVC	WC	-WATER CLOSET
MANHOLE TO MANHOLE	150mmø VCP	UPVC	-UNPLASTICIZED POLYVINIL CHLORIDE
		GT	-GULLY TRAP
		GL	-GROUND LEVEL
		IL	-INVERT LEVEL
		D	-DEPTH OF MANHOLE
		MUPVC	-MODIFIED UNPLASTICIZED PVC PIPE
		VCP	-VITRIFIED CLAY PIPE
		WDT	-WASTE DRAIN TRAP
		MH	-MANHOLE
		MUPVC ASP	-MODIFIED UNPLASTICIZED PVC PIPE ANTI SYPHONAGE PIPE



INTERNAL SANITARY PLUMBING LAYOUT
ARAS 2 & 3 - TANDAS STAF (L) SCALE 1 : 50

LUKISAN DOKUMENTASI

PERINGATAN
HANYA DIMENSI BERANGKA SAHAJA DILAKSANAKAN.
KONTRAKTOR MESTI MEMERIKSA SEMUA DIMENSI SEBENAR DI
TAPAK BINA. SEBARANG PERCANGGAHAN MESTI DILAPORKAN
DENGAN SEGERA KEPADA PEGAWAI PENGUASA SEBELUM
KERJA-KERJA DIMULAKAN.

PROJEK:

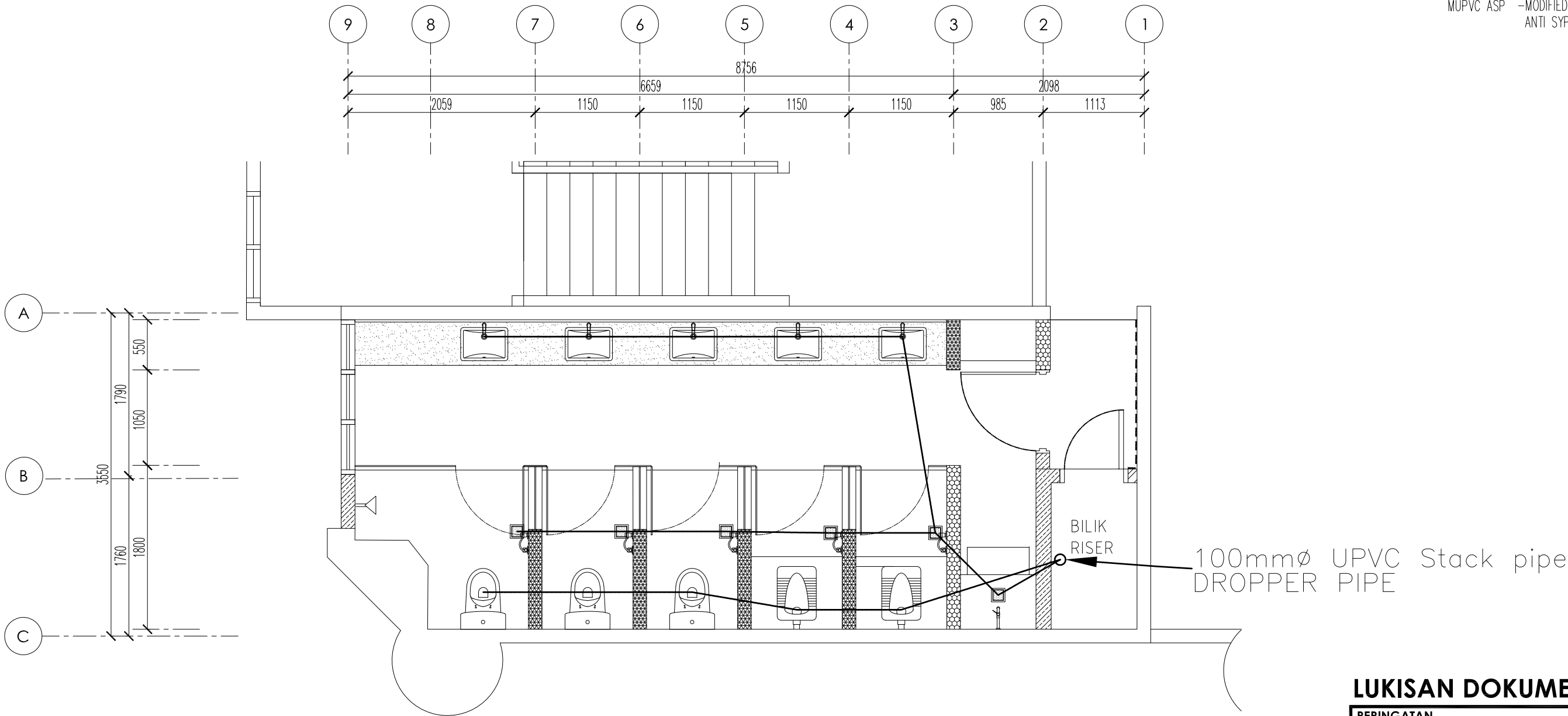
CADANGAN KERJA-KERJA NAIK TARAF TANDAS DI ARAS 2, 3, 4 & 5, BLOK A, KOMPLEKS ILHAM, KOLEJ PENGAJIAN SENI KREATIF (KPSK), UiTM SHAH ALAM.



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NO. RUJUKAN PROJEK:	TARIKH:	NAIB CANSOLOR	INDEKS PINDAAN
200-PP11(BPI.5/3/25) MECH-SP	20 09 24 SEP	: DATUK PROF. TS. DR. SHAHRIN SAHIB @ SAHIBUDDIN	
TAJUK LUKISAN:	SKALA:	TIMBALAN NAIB CANSOLOR	
INTERNAL SANITARY PLUMBING LAYOUT ARAS 2&3 - TANDAS STAF (L)	1:50	: PROF. TS. SR. DR MD. YUSOF HAMID	
		PENGARAH JABATAN PEMBANGUNAN & INFRASTRUKTUR	
		: IR. TS. AZMAN SAUBIRAN	
		KETUA BAHAGIAN PEMBANGUNAN INFRA:	
		TS. MOHAMMED IZRAI ABD. RAZAK	
		ARKITEK	
		: ZULFADLI MOHAMED SALLEH	
		DILUKIS OLEH	
		: MAZIAN SAAD	
		PENGURUS PROJEK / DISEMAK	
		: MUHAMMAD ASYRIF ABD. AZIZ	
		NO HELAIAN:	01

NOTES FOR SANITARY PIPING SIZE		NOTES & LEGEND:	
DESCRIPTION	PIPE SIZE	B	-BASIN
BASIN	32mmø mUPVC	S	-SINK
FLOOR TRAP	80mmø UPVC	FT	-FLOOR TRAP
WATER CLOSET	100mmø UPVC	U	-URINAL
GULLY TRAP TO MANHOLE	100mmø UPVC	WC	-WATER CLOSET
MANHOLE TO MANHOLE	150mmø VCP	UPVC	-UNPLASTICIZED POLYVINIL CHLORIDE
		GT	-GULLY TRAP
		GL	-GROUND LEVEL
		IL	-INVERT LEVEL
		D	-DEPTH OF MANHOLE
		MUPVC	-MODIFIED UNPLASTICIZED PVC PIPE
		VCP	-VITRIFIED CLAY PIPE
		WDT	-WASTE DRAIN TRAP
		MH	-MANHOLE
		MUPVC ASP	-MODIFIED UNPLASTICIZED PVC PIPE ANTI SYPHONAGE PIPE



INTERNAL SANITARY PLUMBING LAYOUT
ARAS 4 & 5 - TANDAS STAF (L) SCALE 1 : 50

LUKISAN DOKUMENTASI

PERINGATAN
HANYA DIMENSI BERANGKA SAHAJA DILAKSANAKAN.
KONTRAKTOR MESTI MEMERIKSA SEMUA DIMENSI SEBENAR DI
TAPAK BINA. SEBARANG PERCANGGAHAN MESTI DILAPORKAN
DENGAN SEGERA KEPADA PEGAWAI PENGUASA SEBELUM
KERJA-KERJA DIMULAKAN.

PROJEK:
CADANGAN KERJA-KERJA NAIK TARAF TANDAS DI ARAS 2, 3, 4 & 5, BLOK A, KOMPLEKS ILHAM, KOLEJ PENGAJIAN SENI KREATIF (KPSK), UiTM SHAH ALAM.



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NO. RUJUKAN PROJEK:
200-PPII(BPI.5/3/25) MECH-SP
TAJUK LUKISAN:
INTERNAL SANITARY PLUMBING LAYOUT ARAS 4&5 - TANDAS STAF (L)

TARIKH: 20 09 24 SEP	NAIB CANSOLOR : DATUK PROF. TS. DR. SHAHRIN SAHIB @ SAHIBUDDIN	INDEKS PINDAAN
	TIMBALAN NAIB CANSOLOR : PROF. TS. SR. DR MD. YUSOF HAMID	
	PENGARAH JABATAN PEMBANGUNAN & INFRASTRUKTUR : IR. TS. AZMAN SAUBIRAN	
	KETUA BAHAGIAN PEMBANGUNAN INFRA: TS. MOHAMMED IZRAI ABD. RAZAK	
	ARKITEK : ZULFADLI MOHAMED SALLEH	
	DILUKIS OLEH : MAZIAN SAAD	
	PENGURUS PROJEK / DISEMAK : MUHAMMAD ASYRIF ABD. AZIZ	NO HELAIAN: 02

DESCRIPTION	PIPE SIZE	
BASIN	32mmø mUPVC	B -BASIN
FLOOR TRAP	80mmø UPVC	S -SINK
WATER CLOSET	100mmø UPVC	FT -FLOOR TRAP
GULLY TRAP TO MANHOLE	100mmø UPVC	U -URINAL
MANHOLE TO MANHOLE	150mmø VCP	WC -WATER CLOSET
		UPVC -UNPLASTICIZED POLYVINIL CHLORIDE
		GT -GULLY TRAP
		GL -GROUND LEVEL
		IL -INVERT LEVEL
		D -DEPTH OF MANHOLE
		MUPVC -MODIFIED UNPLASTICIZED PVC PIPE
		VCP -VITRIFIED CLAY PIPE
		WDT -WASTE DRAIN TRAP
		MH -MANHOLE
		MUPVC ASP -MODIFIED UNPLASTICIZED PVC PIPE ANTI SYPHONAGE PIPE

INTERNAL SANITARY PLUMBING

ARAS 2, 3, 4 & 5 - TANDAS STAF (L)

SCALE 1 : 50

STACK-A

100ø UPVC VENT STACK TO BE TERMINATED
900mm HIGH ABOVE ROOF C/W VENT COWL.

WEATHERING APRON

ARAS TANGKI AIR

50øUPVC VENT PIPE RISER
100øUPVC SOIL & WASTE PIPE DROPPER

TANDAS STAF (L)

ARAS 5

TANDAS STAF (L)

ARAS 4

TANDAS STAF (L)

ARAS 3

TANDAS STAF (L)

ARAS 2

50øUPVC VENT PIPE RISER
100øUPVC SOIL & WASTE PIPE DROPPER

PELAN ARAS BAWAH

100øUPVC

EXISTING MANHOLE
G.L TO BE CONFIRM
AT SITE

PROJEK:
CADANGAN KERJA-KERJA NAIK TARAF TANDAS DI ARAS 2, 3, 4 & 5, BLOK A, KOMPLEKS ILHAM, KOLEJ PENGAJIAN SENI KREATIF (KPSK), UiTM SHAH ALAM.



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NO. RUJUKAN PROJEK:
200-PPII(BPI.5/3/25) MECH-SP

TAJUK LUKISAN:
**TYPICAL INTERNAL SANITARY PLUMBING
DIAGRAMMATIC LAYOUT**

TARIKH:
20 09
24 SEP

SKALA:
1:50

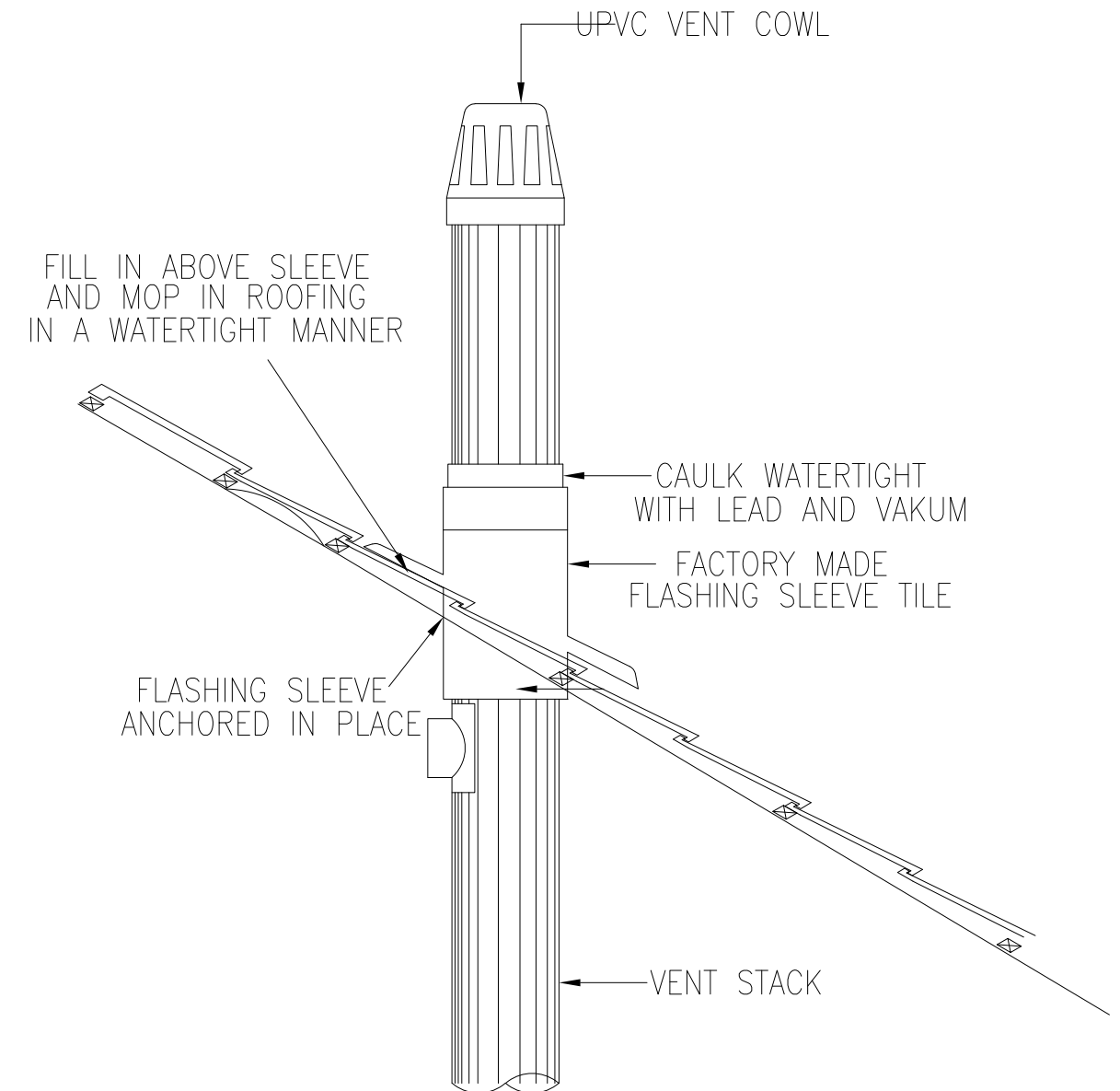
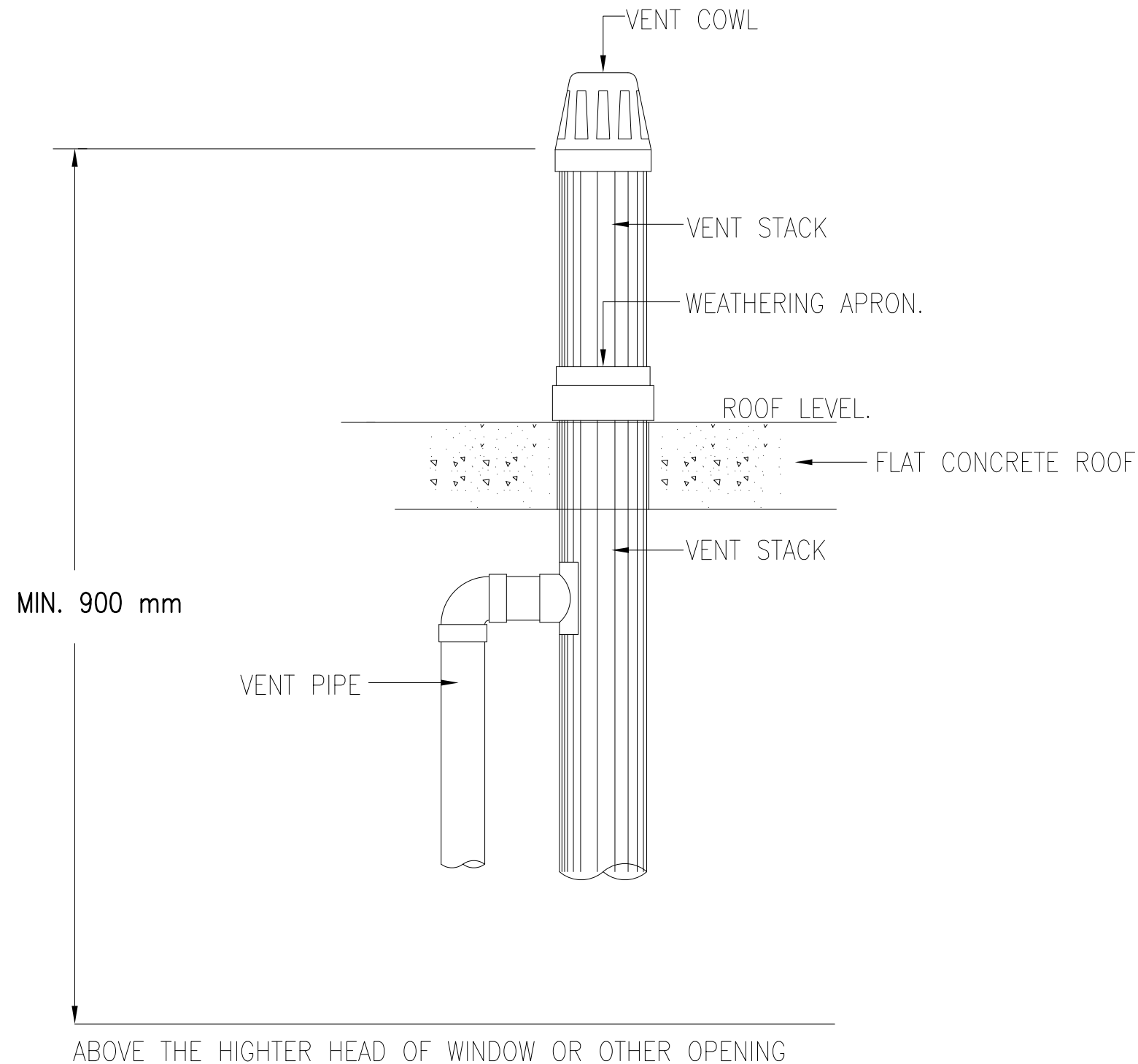
NAIB CANSELOR	: DATUK PROF. TS. DR. SHAHRIN SAHIB @ SAHIBUDDIN
TIMBALAN NAIB CANSELOR	: PROF. TS. SR. DR MD. YUSOF HAMID
PENGARAH JABATAN PEMBANGUNAN & INFRASTRUKTUR	: IR. TS. AZMAN SAUBIRAN
KETUA BAHAGIAN PEMBANGUNAN INFRA:	TS. MOHAMMED IZRAI ABD. RAZAK
ARKITEK	: ZULFADLI MOHAMED SALLEH
DILUKIS OLEH	: MAZIAN SAAD
PENGURUS PROJEK / DISEMAK	: MUHAMMAD ASYRIF ABD. AZIZ

INDEKS PINDAAN		
NO HELAIAN:		03

LUKISAN DOKUMENTASI

PERINGATAN

HANYA DIMENSI BERANGKA SAHAJA DILAKSANAKAN.
KONTRAKTOR MESTI MEMERIKSA SEMUA DIMENSI SEBENAR DI
TAPAK BINA. SEBARANG PERCANGHAHAN MESTI DILAPORKAN
DENGAN SEGERA KEPADA PEGAWAI PENGUASA SEBELUM
KERJA-KERJA DIMULAKAN.



UPVC PIPE PENETRATION DETAIL THROUGH PITCH ROOF

SCALE: N.T.S

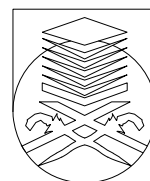


DETAILS OF VENT COWL INSTALLATION

ARAS 2, 3, 4 & 5 - TANDAS STAF (L)

PROJEK:

CADANGAN KERJA-KERJA NAIK TARAF TANDAS DI ARAS 2, 3, 4 & 5, BLOK A, KOMPLEKS ILHAM, KOLEJ PENGAJIAN SENI KREATIF (KPSK), UTM SHAH ALAM.



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NO. RUJUKAN PROJEK:

200-PPII(BPI.5/3/25) MECH-SP

TAJUK LUKISAN: TERATAI BLOCK 2

DETAIL OF VENT COWL INSTALLATION

TARIKH:

20 09
24 Sep

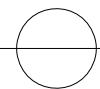
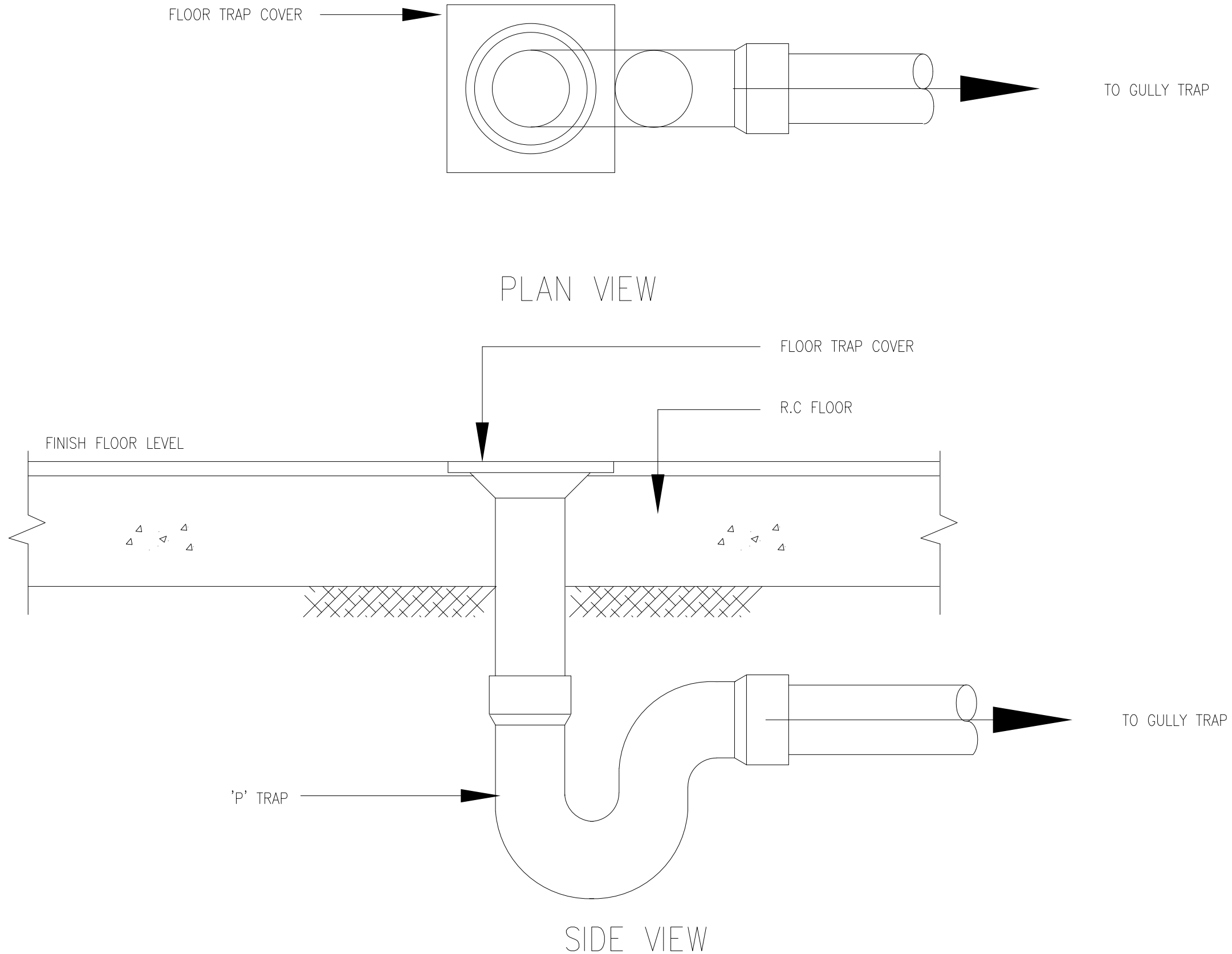
SKALA:

N.T.S

NAIB CANSOLOR	: DATUK PROF. TS. DR. SHAHRIN SAHIB @ SAHIBUDDIN
PENOLONG NAIB CANSOLOR	: PROF. TS. SR. DR MD. YUSOF HAMID
PENGARAH JABATAN PEMBANGUNAN INFRASTRUKTUR	: IR. TS. AZMAN SAUBIRAN
KETUA BAHAGIAN PEMBANGUNAN INFRA	: TS. MOHAMMED IZRAI ABD. RAZAK
ARKITEK	: ZULFADLI MOHAMED SALLEH
DILUKIS OLEH	: MAZIAN SAAD
PENGURUS PROJEK / DISEMAK	: MUHAMMAD ASYRIF ABD. AZIZ

INDEKS PINDAAN

HELAIAN: **04**



DETAILS OF SANITARY PIPE INSTALLATION FOR FLOOR TRAP UNDER GROUND

ARAS 2, 3, 4 & 5 - TANDAS STAF (L)

PROJEK:
CADANGAN KERJA-KERJA NAIK TARAF TANDAS DI ARAS 2, 3, 4 & 5, BLOK A, KOMPLEKS ILHAM, KOLEJ PENGAJIAN SENI KREATIF (KPSK), UTM SHAH ALAM.



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NO. RUJUKAN PROJEK:
200-PPII(BPI.5/3/25) MECH - SP

TAJUK LUKISAN: TERATAI BLOCK 2
**DETAILS OF SANITARY PIPE
INSTALLATION FOR
FLOOR TRAP UNDER GROUND**

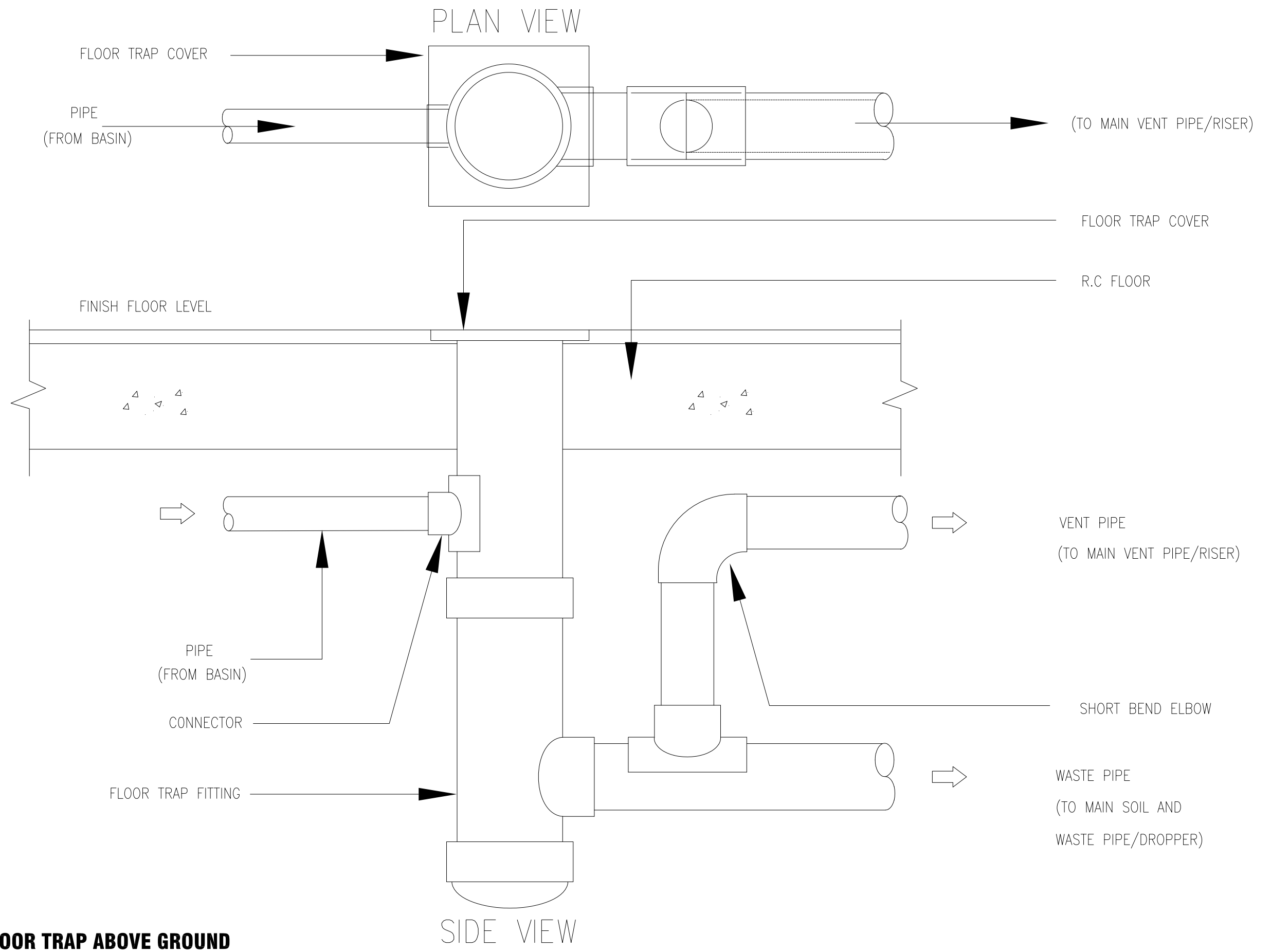
TARIKH:
20 09
24 Sep

SKALA:
N.T.S

NAIB CANSOLOR	: DATUK PROF. TS. DR. SHAHRIN SAHIB @ SAHIBUDDIN
PENOLONG NAIB CANSOLOR	: PROF. TS. SR. DR MD. YUSOF HAMID
PENGARAH JABATAN PEMBANGUNAN INFRASTRUKTUR	: IR. TS. AZMAN SAUBIRAN
KETUA BAHAGIAN PEMBANGUNAN INFRA	: TS. MOHAMMED IZRAI ABD. RAZAK
ARKITEK	: ZULFADLI MOHAMED SALLEH
DILUKIS OLEH	: MAZIAN SAAD
PENGURUS PROJEK / DISEMAK	: MUHAMMAD ASYRIF ABD. AZIZ

INDEKS PINDAAN

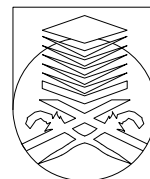
HELAIAN: **05**



DETAILS FLOOR TRAP ABOVE GROUND

ARAS 2, 3, 4 & 5 - TANDAS STAF (L)

PROJEK:
CADANGAN KERJA-KERJA NAIK TARAF TANDAS DI ARAS 2, 3, 4 & 5, BLOK A, KOMPLEKS ILHAM, KOLEJ PENGAJIAN SENI KREATIF (KPSK), UTM SHAH ALAM.



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NO. RUJUKAN PROJEK:
200-PPII(BPI.5/3/25) MECH-SP

TAJUK LUKISAN: TERATAI BLOCK 2
DETAILS FLOOR TRAP ABOVE GROUND

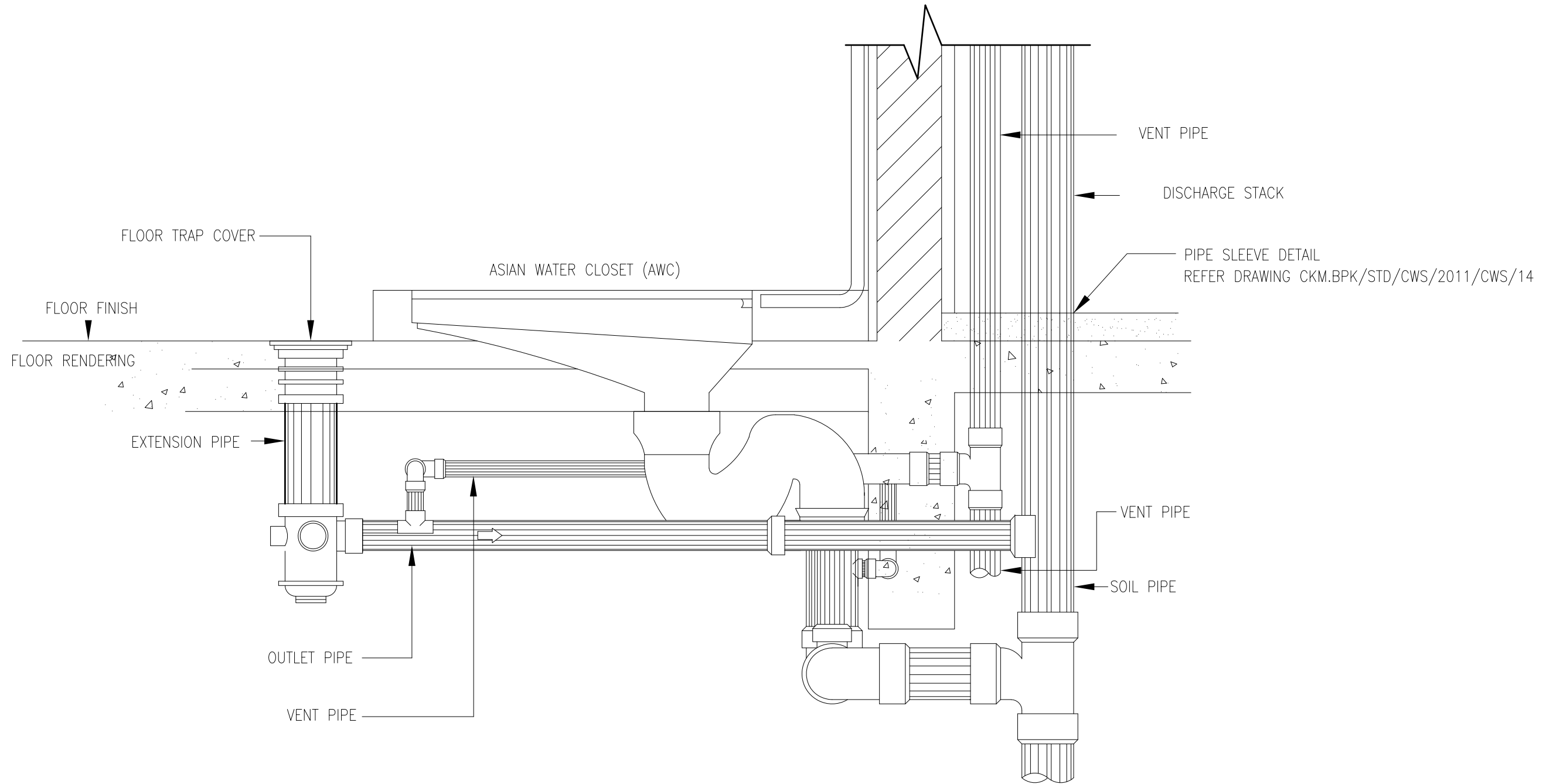
TARIKH:
20 09
24 Sep

SKALA:
N.T.S

NAIB CANSOLOR	: DATUK PROF. TS. DR. SHAHRIN SAHIB @ SAHIBUDDIN
PENOLONG NAIB CANSOLOR	: PROF. TS. SR. DR MD. YUSOF HAMID
PENGARAH JABATAN PEMBANGUNAN INFRASTRUKTUR	: IR. TS. AZMAN SAUBIRAN
KETUA BAHAGIAN PEMBANGUNAN INFRA	: TS. MOHAMMED IZRAI ABD. RAZAK
ARKITEK	: ZULFADLI MOHAMED SALLEH
DILUKIS OLEH	: MAZIAN SAAD
PENGURUS PROJEK / DISEMAK	: MUHAMMAD ASYRIF ABD. AZIZ

INDEKS PINDAAN

HELAIAN: **06**



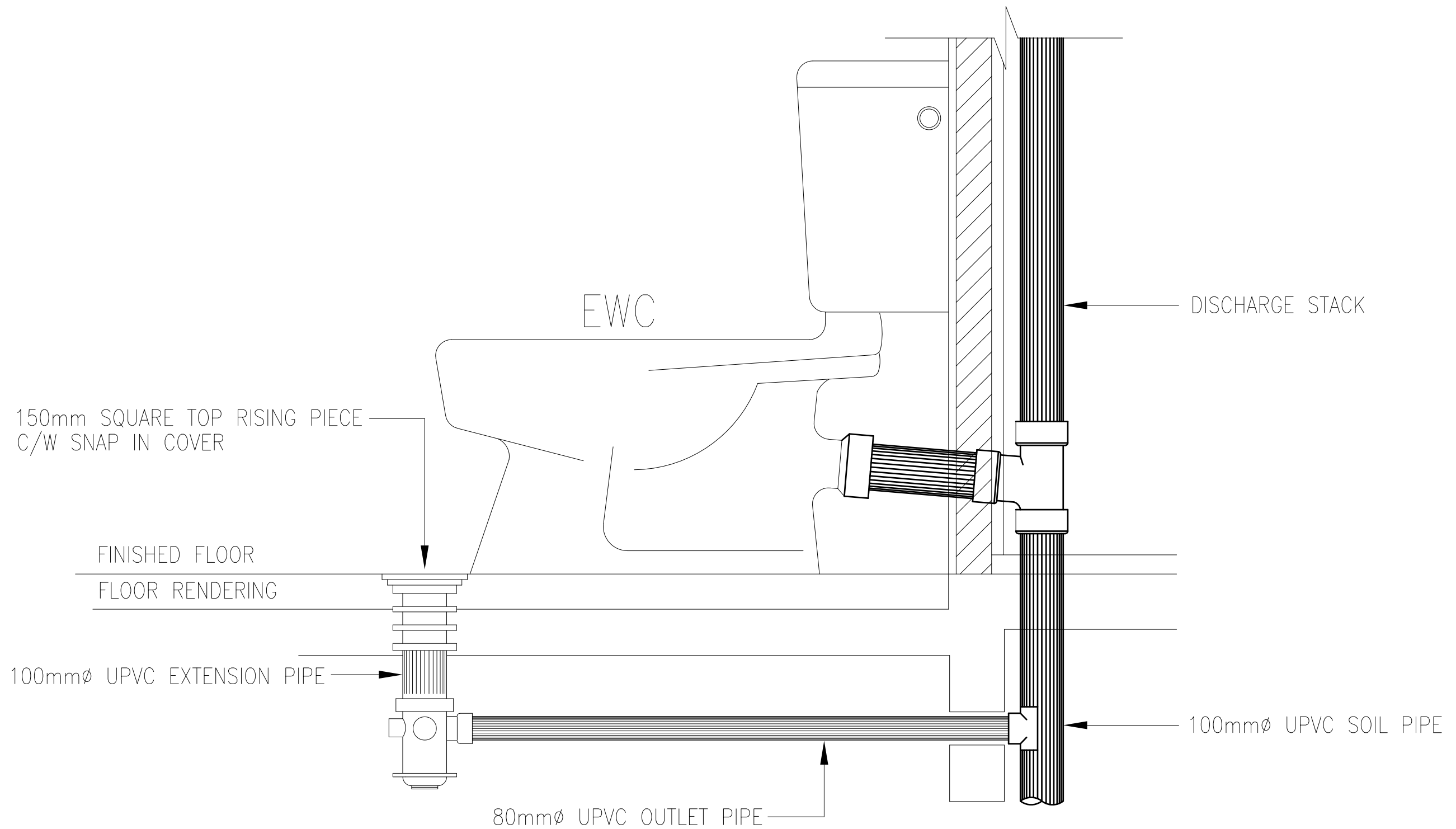
DETAILS ASIAN WATER CLOSET (AWC) - ABOVE GROUND FLOOR

ARAS 2, 3, 4 & 5 - TANDAS STAF (L)

PROJEK:
CADANGAN KERJA-KERJA NAIK TARAF TANDAS DI ARAS 2, 3, 4 & 5, BLOK A, KOMPLEKS ILHAM, KOLEJ PENGAJIAN SENI KREATIF (KPSK), UiTM SHAH ALAM.



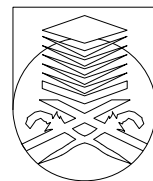
NO. RUJUKAN PROJEK: 200-PPII(BPI.5/3/25) MECH-SP	TARIKH: 20 09 24 Sep	NAIB CANSELOR : DATUK PROF. TS. DR. SHAHRIN SAHIB @ SAHIBUDDIN	INDEKS PINDAAN
		PENOLONG NAIB CANSELOR : PROF. TS. SR. DR MD. YUSOF HAMID	
TAJUK LUKISAN: TERATAI BLOCK 2 DETAILS ASIAN WATER CLOSET (AWC) ABOVE GROUND FLOOR	SKALA: N.T.S	PENGARAH JABATAN PEMBANGUNAN INFRASTRUKTUR : IR. TS. AZMAN SAUBIRAN	
		KETUA BAHAGIAN PEMBANGUNAN INFRA : TS. MOHAMMED IZRAI ABD. RAZAK	
		ARKITEK : ZULFADLI MOHAMED SALLEH	
		DILUKIS OLEH : MAZIAN SAAD	
		PENGURUS PROJEK / DISEMAK : MUHAMMAD ASYRIF ABD. AZIZ	HELAIAN: 07



DETAIL OF EWS & FT CONNECTION FOR SINGLE STACK SYSTEM (P TRAP)

ARAS 2, 3, 4 & 5 - TANDAS STAF (L)

PROJEK:
CADANGAN KERJA-KERJA NAIK TARAF TANDAS DI ARAS 2, 3, 4 & 5, BLOK A, KOMPLEKS ILHAM, KOLEJ PENGAJIAN SENI KREATIF (KPSK), UiTM SHAH ALAM.



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NO. RUJUKAN PROJEK:
200-PPII(BPI.5/3/25) MECH-SP
 TAJUK LUKISAN: TERATAI BLOCK 2
**DETAIL OF EWS & FT
 CONNECTION FOR SINGLE
 STACK SYSTEM (P TRAP)**

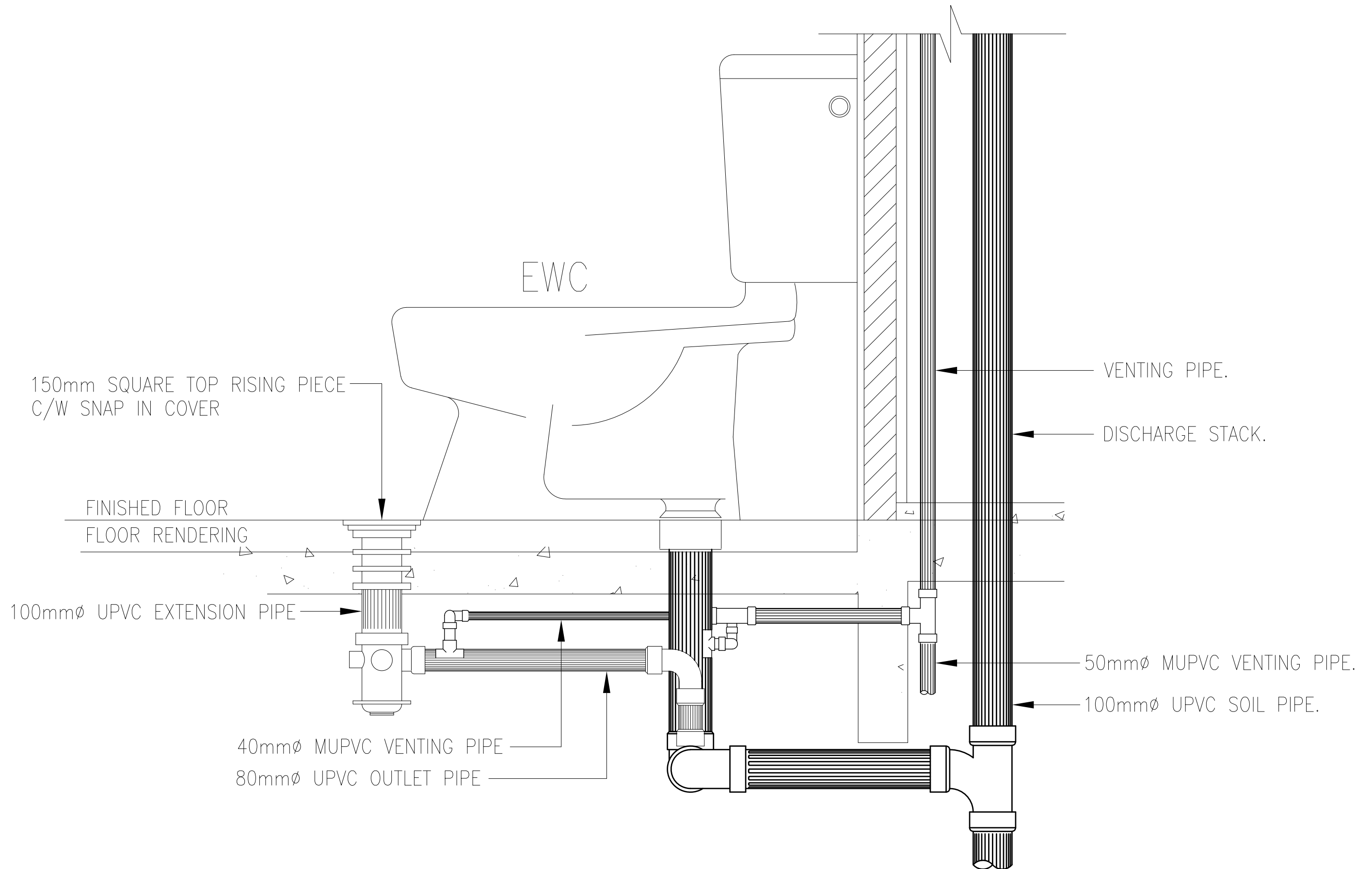
TARIKH:
**20 09
 24 Sep**

SKALA:
N.T.S

NAIB CANSOLOR	: DATUK PROF. TS. DR. SHAHRIN SAHIB @ SAHIBUDDIN
PENOLONG NAIB CANSOLOR	: PROF. TS. SR. DR MD. YUSOF HAMID
PENGARAH JABATAN PEMBANGUNAN INFRASTRUKTUR	: IR. TS. AZMAN SAUBIRAN
KETUA BAHAGIAN PEMBANGUNAN INFRA	: TS. MOHAMMED IZRAI ABD. RAZAK
ARKITEK	: ZULFADLI MOHAMED SALLEH
DILUKIS OLEH	: MAZIAN SAAD
PENGURUS PROJEK / DISEMAK	: MUHAMMAD ASYRIF ABD. AZIZ

INDEKS PINDAAN

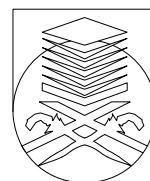
HELAIAN: **08**



DETAIL OF EWC & FT CONNECTION

ARAS 2, 3, 4 & 5 - TANDAS STAF (L)

PROJEK:
CADANGAN KERJA-KERJA NAIK TARAF TANDAS DI ARAS 2,
3, 4 & 5, BLOK A, KOMPLEKS ILHAM, KOLEJ PENGAJIAN SENI
KREATIF (KPSK), UTM SHAH ALAM.



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NO. RUJUKAN PROJEK:
200-PPII(BPI.5/3/25) MECH-SP

TAJUK LUKISAN: TERATAI BLOCK 2
DETAIL OF EWC & FT CONNECTION

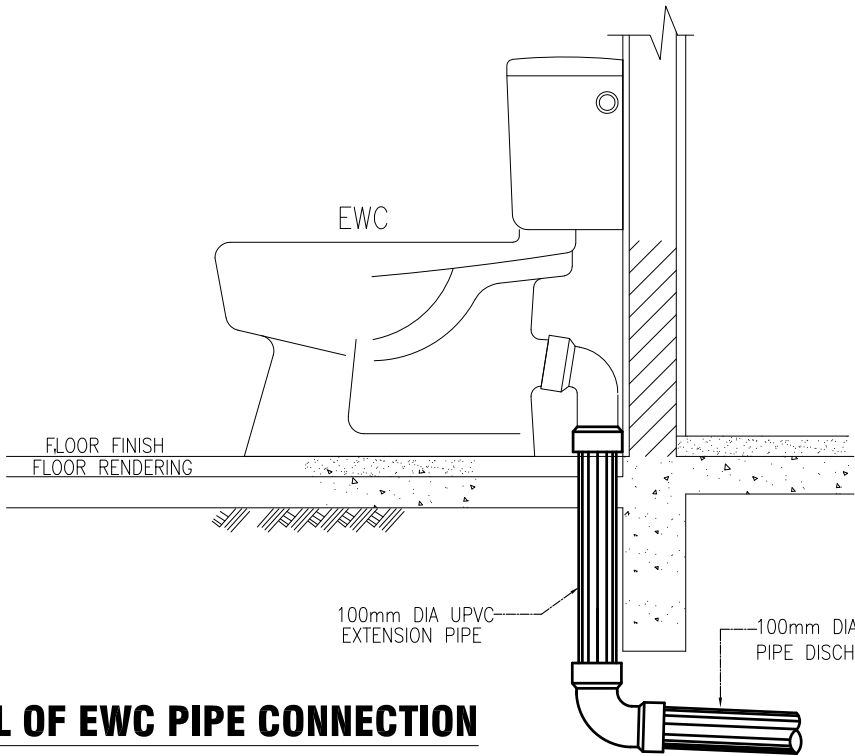
TARIKH:
20 09
24 Sep

SKALA:
N.T.S

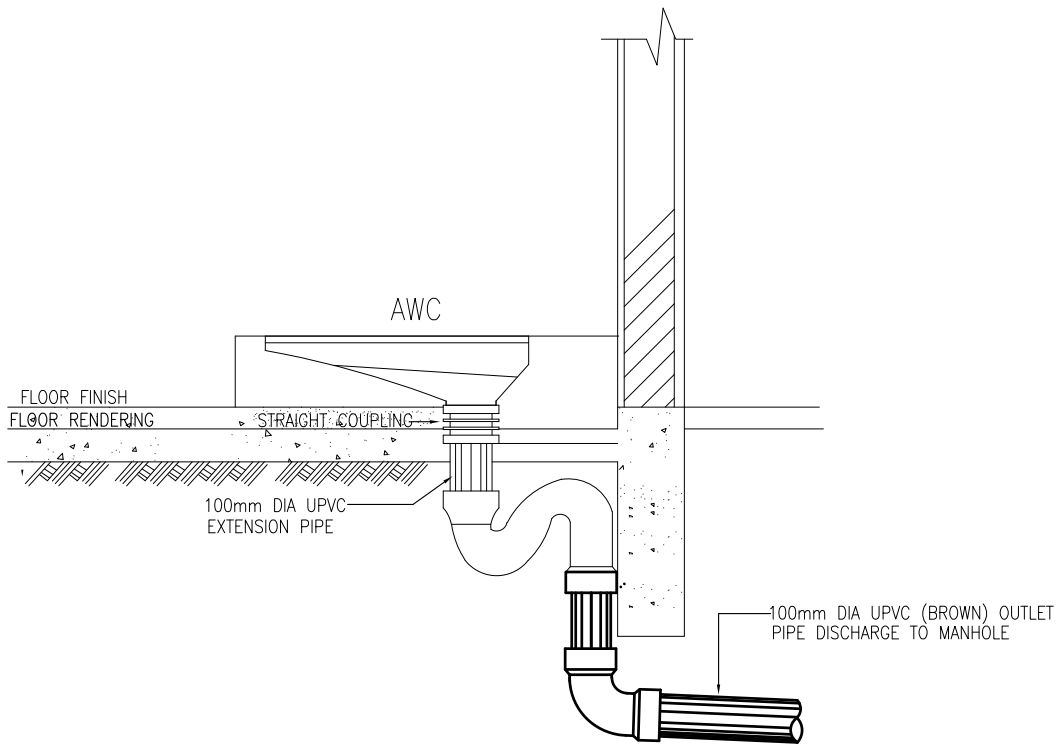
NAIB CANSOLOR	: DATUK PROF. TS. DR. SHAHRIN SAHIB @ SAHIBUDDIN
PENOLONG NAIB CANSOLOR	: PROF. TS. SR. DR MD. YUSOF HAMID
PENCARAH JABATAN PEMBANGUNAN INFRASTRUKTUR	: IR. TS. AZMAN SAUBIRAN
KETUA BAHAGIAN PEMBANGUNAN INFRA	: TS. MOHAMMED IZRAI ABD. RAZAK
ARKITEK	: ZULFADLI MOHAMED SALLEH
DILUKIS OLEH	: MAZIAN SAAD
PENGURUS PROJEK / DISEMAK	: MUHAMMAD ASYRIF ABD. AZIZ

INDEKS PINDAAN

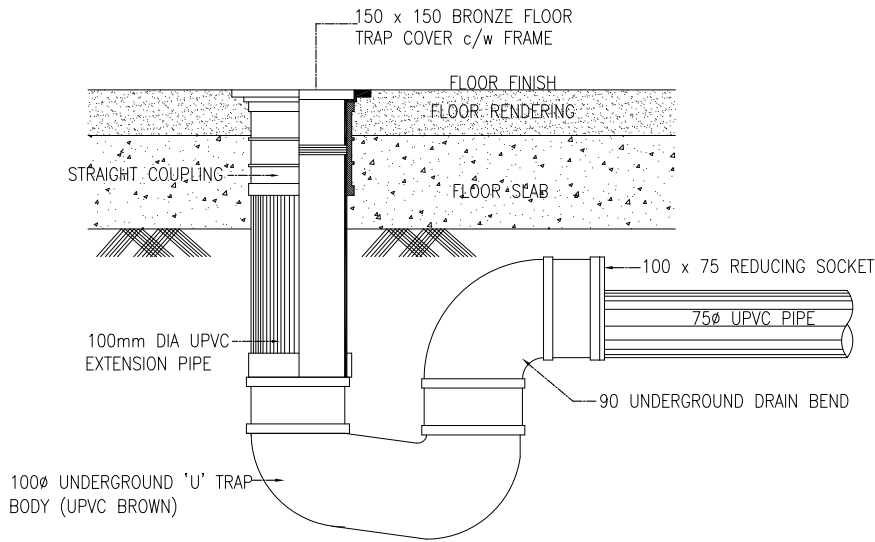
HELAIAN: **09**



DETAIL OF EWC PIPE CONNECTION



DETAIL OF AWC PIPE CONNECTION



DETAIL OF UNDERGROUND UPVC FLOOR TRAP



DETAIL FOR SANITARY PLUMBING

ARAS 2, 3, 4 & 5 - TANDAS STAF (L)

PROJEK:
CADANGAN KERJA-KERJA NAIK TARAF TANDAS DI ARAS 2, 3, 4 & 5, BLOK A, KOMPLEKS ILHAM, KOLEJ PENGAJIAN SENI KREATIF (KPSK), UiTM SHAH ALAM.



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NO. RUJUKAN PROJEK:
200-PP11(BPI.5/3/25) MECH-SP

TAJUK LUKISAN: TERATAI BLOCK 2
DETAIL FOR SANITARY PLUMBING

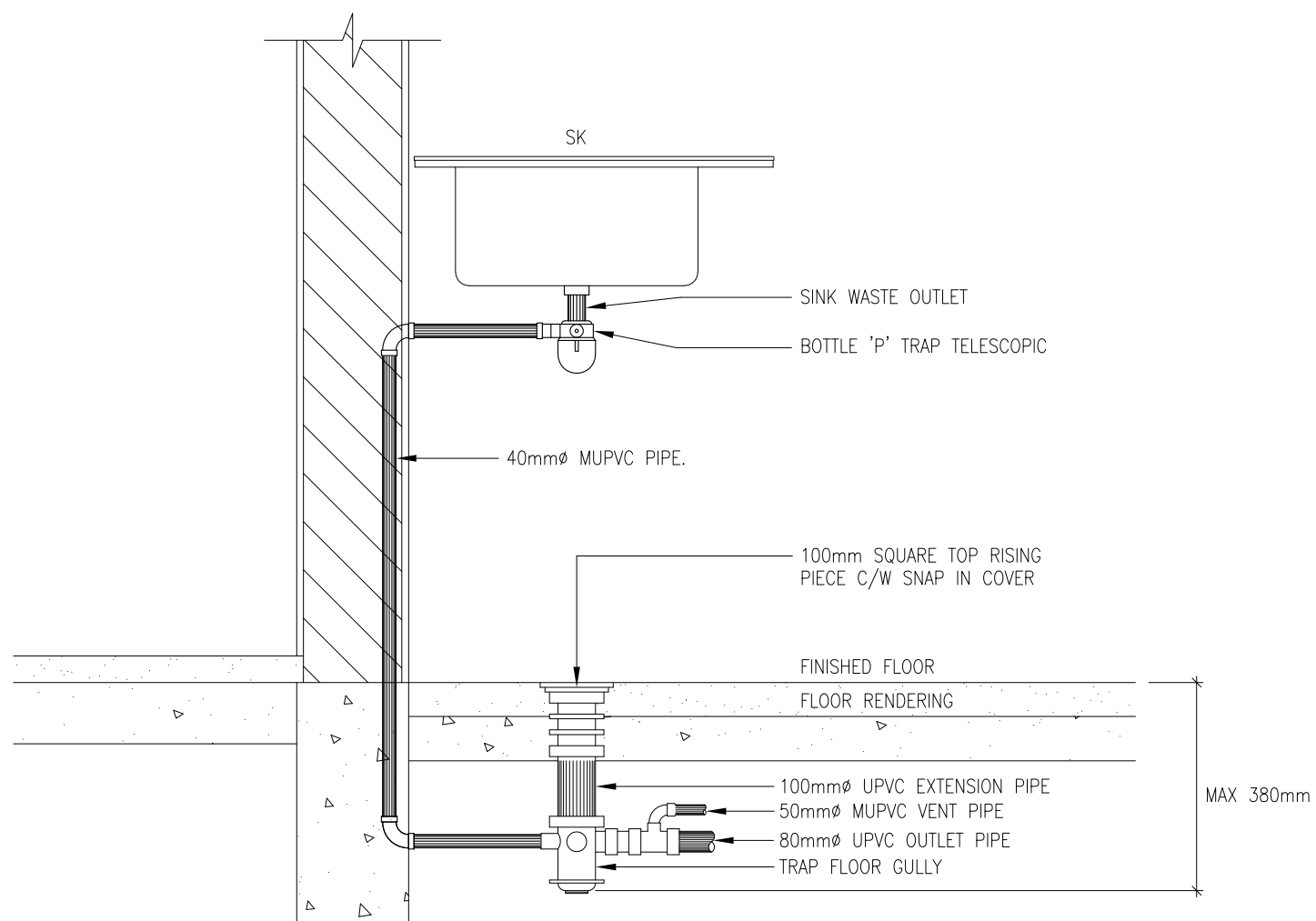
TARIKH:
20 09
24 Sep

SKALA:
N.T.S

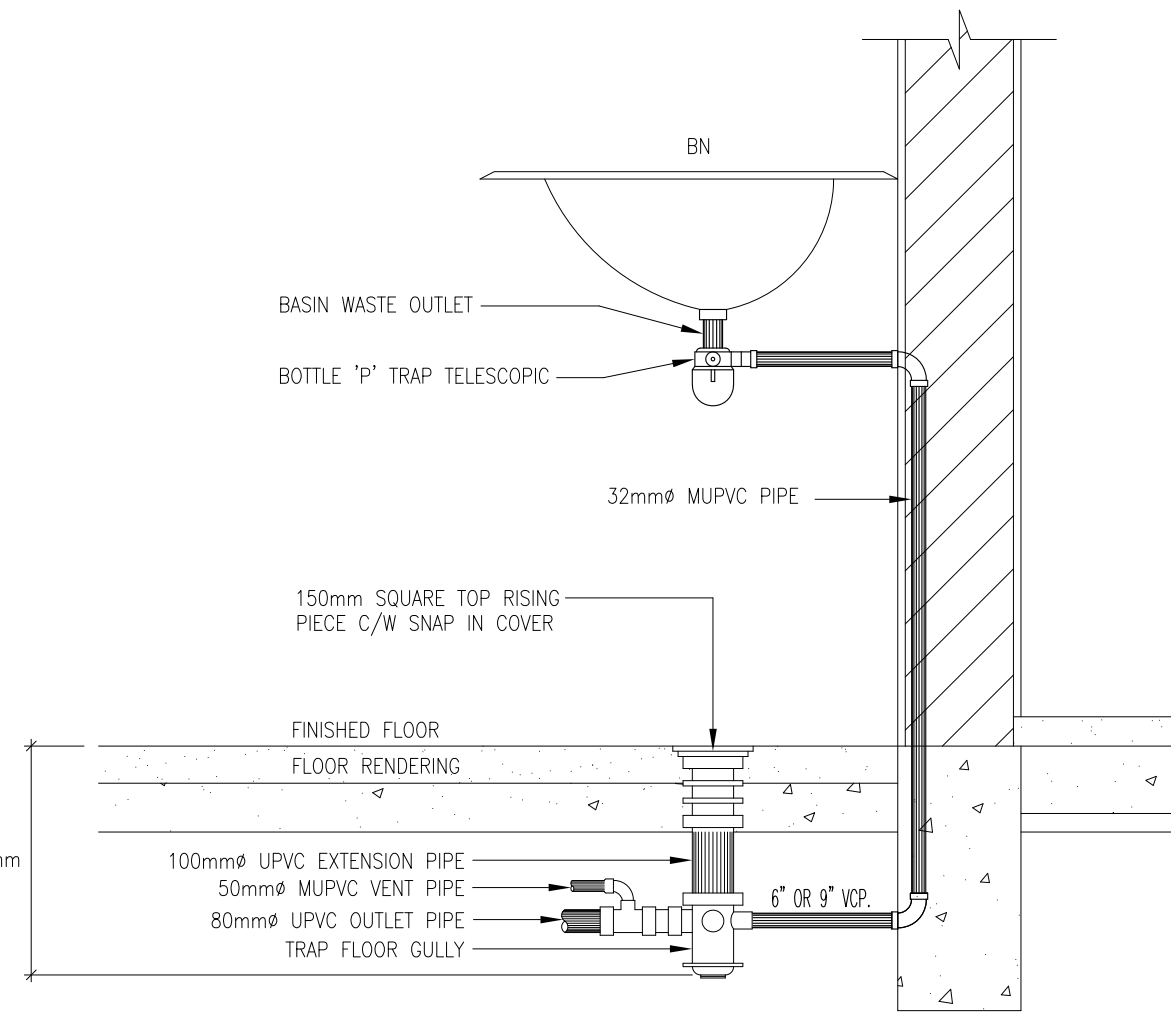
NAIB CANSOLOR	: DATUK PROF. TS. DR. SHAHRIN SAHIB @ SAHIBUDDIN
PENOLONG NAIB CANSOLOR	: PROF. TS. SR. DR MD. YUSOF HAMID
PENGARAH JABATAN PEMBANGUNAN	: IR. TS. AZMAN SAUBIRAN
KETUA BAHAGIAN PEMBANGUNAN INFRA	: TS. MOHAMMED IZRAI ABD. RAZAK
ARKITEK	: ZULFADLI MOHAMED SALLEH
DILUKIS OLEH	: MAZIAN SAAD
PENGURUS PROJEK / DISEMAK	: MUHAMMAD ASYRIF ABD. AZIZ

INDEKS PINDAAN

HELAIAN: **10**



DETAIL OF SINK & FLOOR WASTE

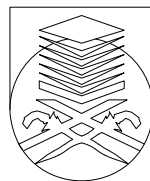


DETAIL OF BASIN & FLOOR WASTE

DETAIL OF SINK & BASIN

ARAS 2, 3, 4 & 5 - TANDAS STAF (L)

PROJEK:
CADANGAN KERJA-KERJA NAIK TARAF TANDAS DI ARAS 2, 3, 4 & 5, BLOK A, KOMPLEKS ILHAM, KOLEJ PENGAJIAN SENI KREATIF (KPSK), UTM SHAH ALAM.



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NO. RUJUKAN PROJEK:

200-PPII(BPI.5/3/25) MECH-SP

TAJUK LUKISAN: TERATAI BLOCK 2

DETAIL OF SINK & BASIN

TARIKH:

20 09
24 Sep

SKALA:

N.T.S

NAIB CANSOLOR	: DATUK PROF. TS. DR. SHAHRIN SAHIB @ SAHIBUDDIN
PENOLONG NAIB CANSOLOR	: PROF. TS. SR. DR MD. YUSOF HAMID
PENGARAH JABATAN PEMBANGUNAN INFRASTRUKTUR	: IR. TS. AZMAN SAUBIRAN
KETUA BAHAGIAN PEMBANGUNAN INFRA	: TS. MOHAMMED IZRAI ABD. RAZAK
ARKITEK	: ZULFADLI MOHAMED SALLEH
DILUKIS OLEH	: MAZIAN SAAD
PENGURUS PROJEK / DISEMAK	: MUHAMMAD ASYRIF ABD. AZIZ

INDEKS PINDAAN

HELAIAN: **11**