

REDESIGN INSTALASI AIR BEKAS, KOTOR & VENT LANTAI 3

SCALE 1 : 200



PEMBERI TUGAS



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 PROJECT MANAGER
 SURYA BUDI LESMANA, ST.MT

PERENCANA



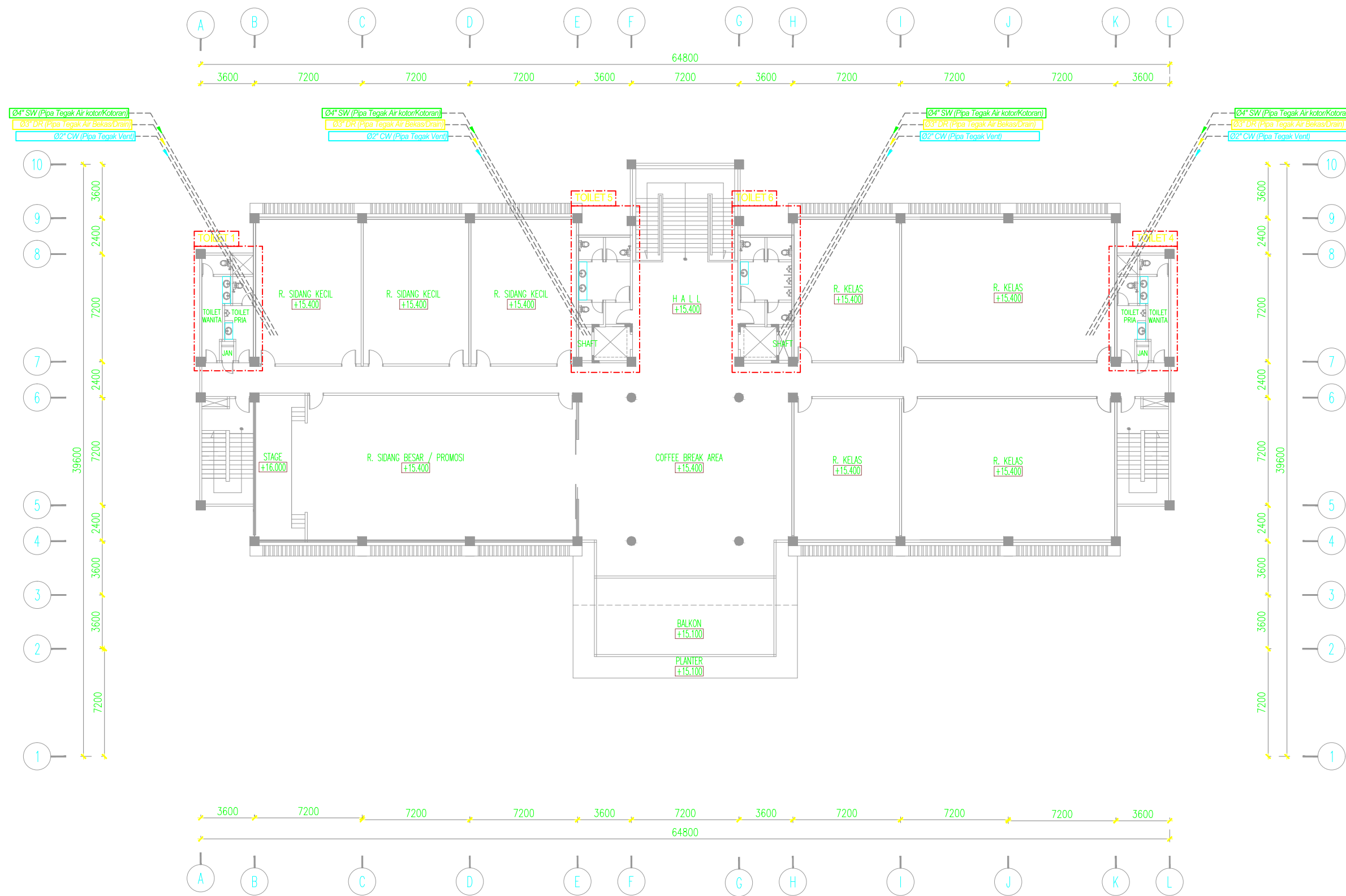
ARCHITECT
 FARHAN, ST. IAI
 CONSTRUCTOR
 EKO SULISTYATMOJO, ST
 MECHANICAL ELECTRICAL
 IR. AGUS JAMAL, M.Eng. APEI

**INSTALASI
 AIR BEKAS, KOTOR & VENT
 LANTAI 4**

SKALA :	DIGAMBAR	NND	TOL.	DES.2012
1 : 200	DIPERIKSA		TOL.	
	DISEWAJI		TOL.	

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NO. PROYEK	NO. GAMBAR :	REVISI :
	PL.AK-05	R0



REDESIGN INSTALASI AIR BEKAS, KOTOR & VENT LANTAI 4

SCALE 1 : 200



PEMBERI TUGAS



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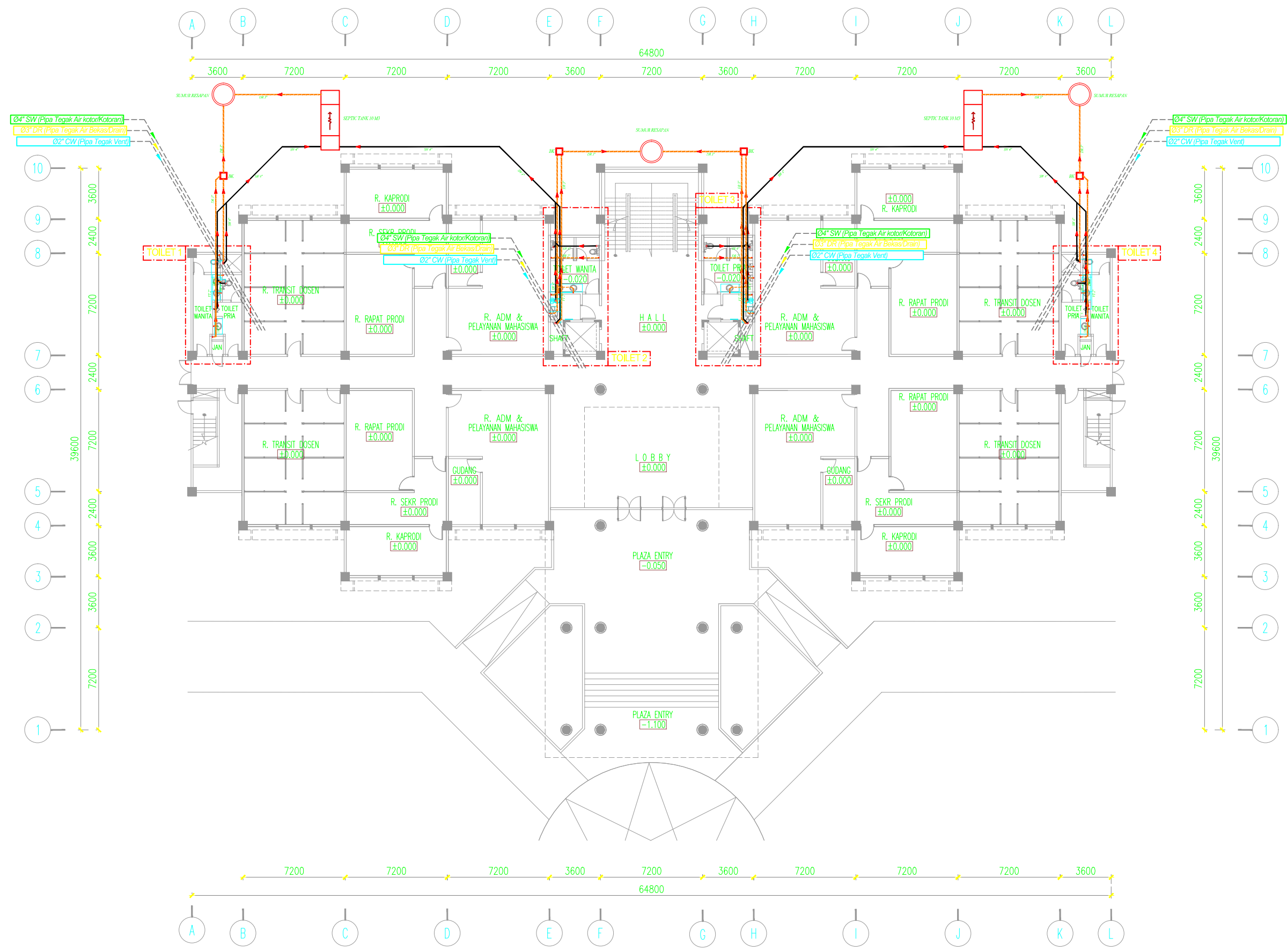
JUDUL GAMBAR :

**INSTALASI
 AIR BEKAS, KOTOR & VENT
 LANTAI 5**

SKALA :	DIGAMBAR	NND	TOL.	DES.2012
1 : 200	DIPERIKSA		TOL.	
	DISEWAJAI		TOL.	

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REDESIGN INSTALASI AIR BEKAS, KOTOR & VENT LANTAI GROUND
 SCALE 1 : 200



PEMBERI TUGAS
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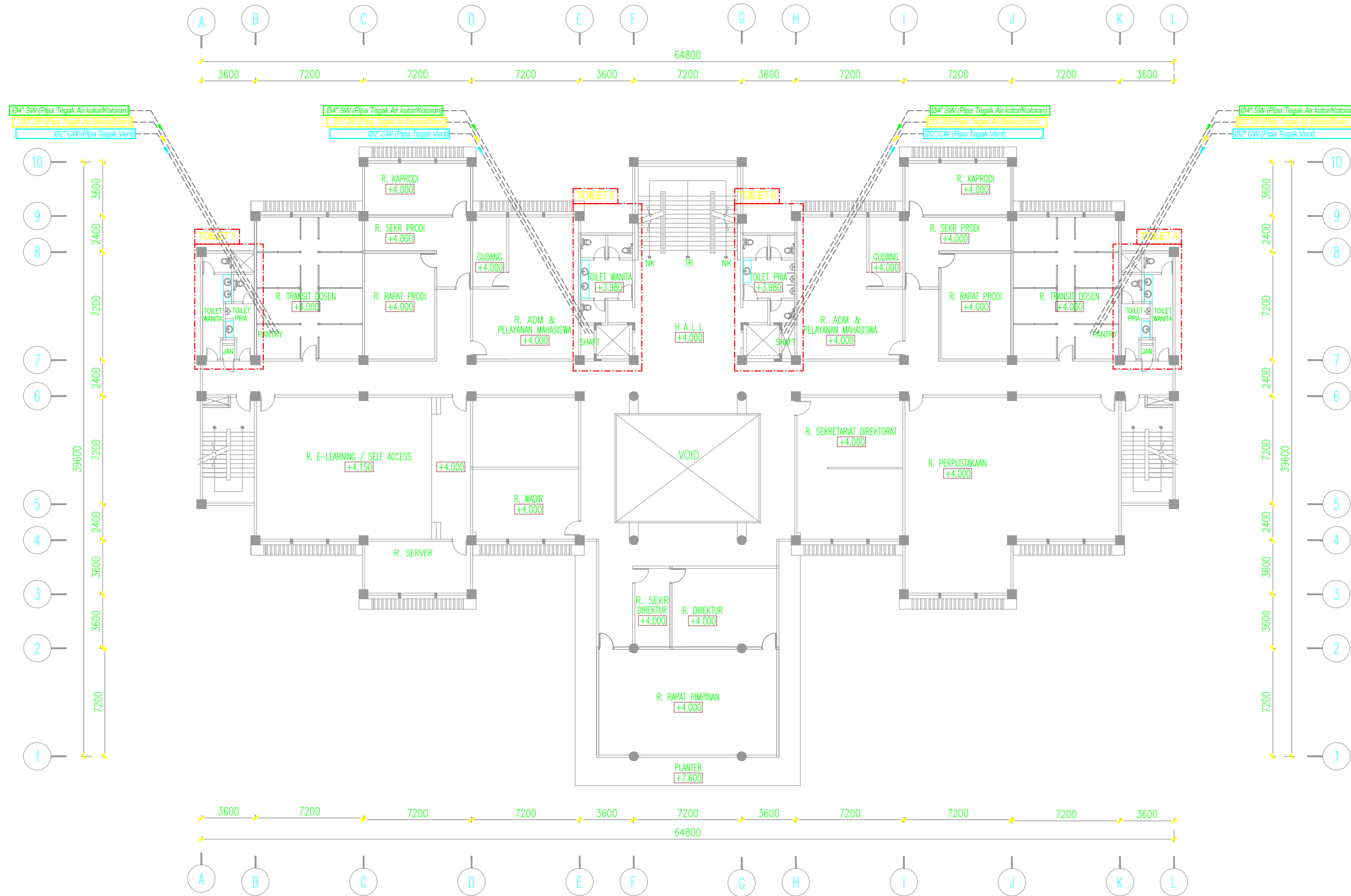
ARCHITECT
 FARHAN, ST. IAI
 CONSTRUCTOR
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 IR. AGUS JAMAL, M.Eng. APEI

**INSTALASI
 AIR BEKAS, KOTOR & VENT
 LANTAI 1**

SKALA :	DIGAMBAR	NND	TEL.	DES.2012
1 : 200	DIPERIKSA		TEL.	
	DISEWAJAI		TEL.	

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	PL.AK-02	R0



REDESIGN INSTALASI AIR BEKAS, KOTOR & VENT LANTAI 1

SCALE 1 : 200



PEMBERI TUGAS



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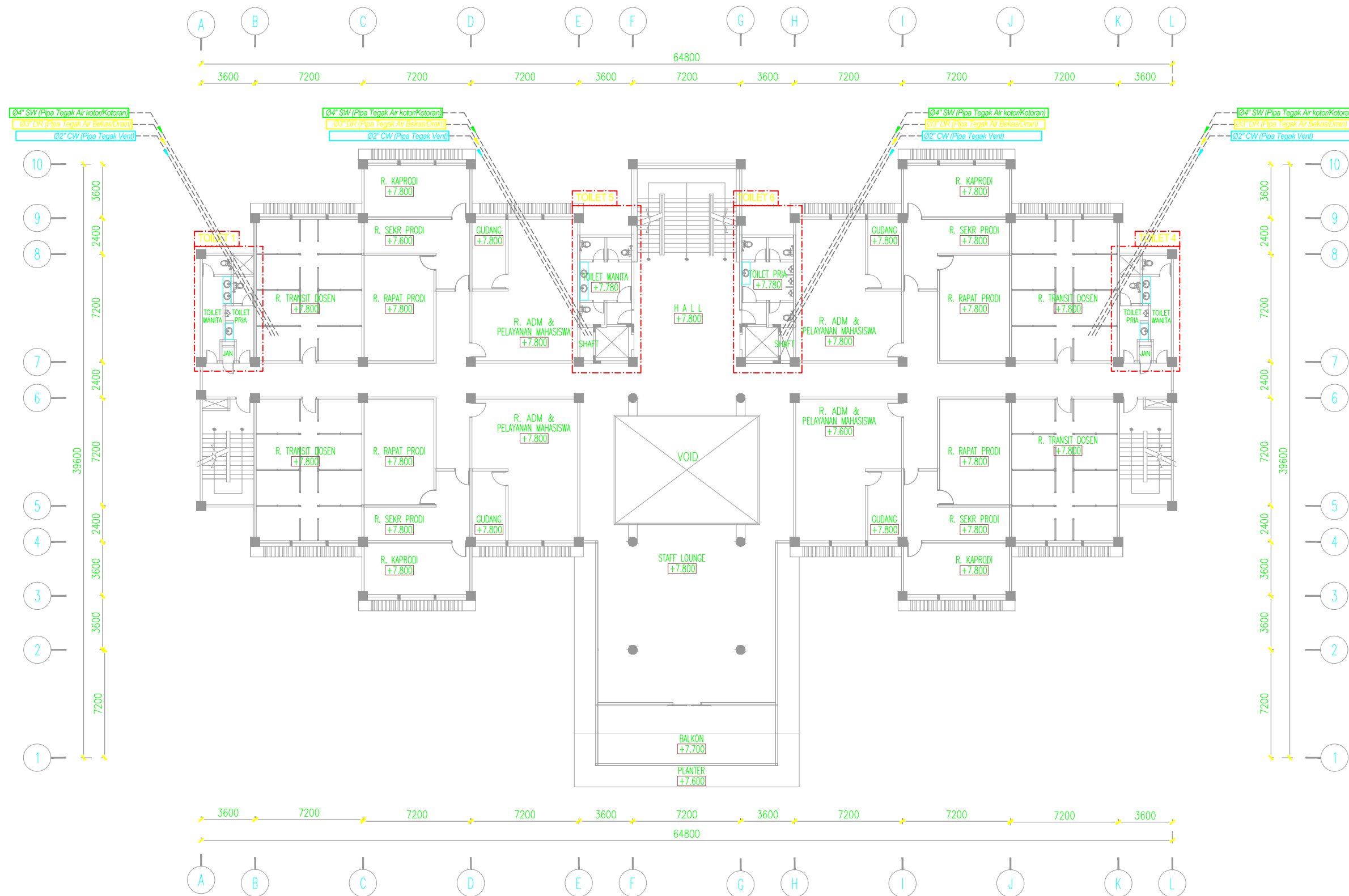
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**INSTALASI
 AIR BEKAS, KOTOR & VENT
 LANTAI 2**

SKALA :	DIGAMBAR	NND	TOL.	DES.2012
1 : 200	DIPERIKSA		TOL.	
	DISEWAJAI		TOL.	

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REDESIGN INSTALASI AIR BEKAS, KOTOR & VENT LANTAI 2

SCALE 1 : 200



PEMBERI TUGAS



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 EKO SULISTYATMOJO, ST

MECHANICAL ELECTRICAL
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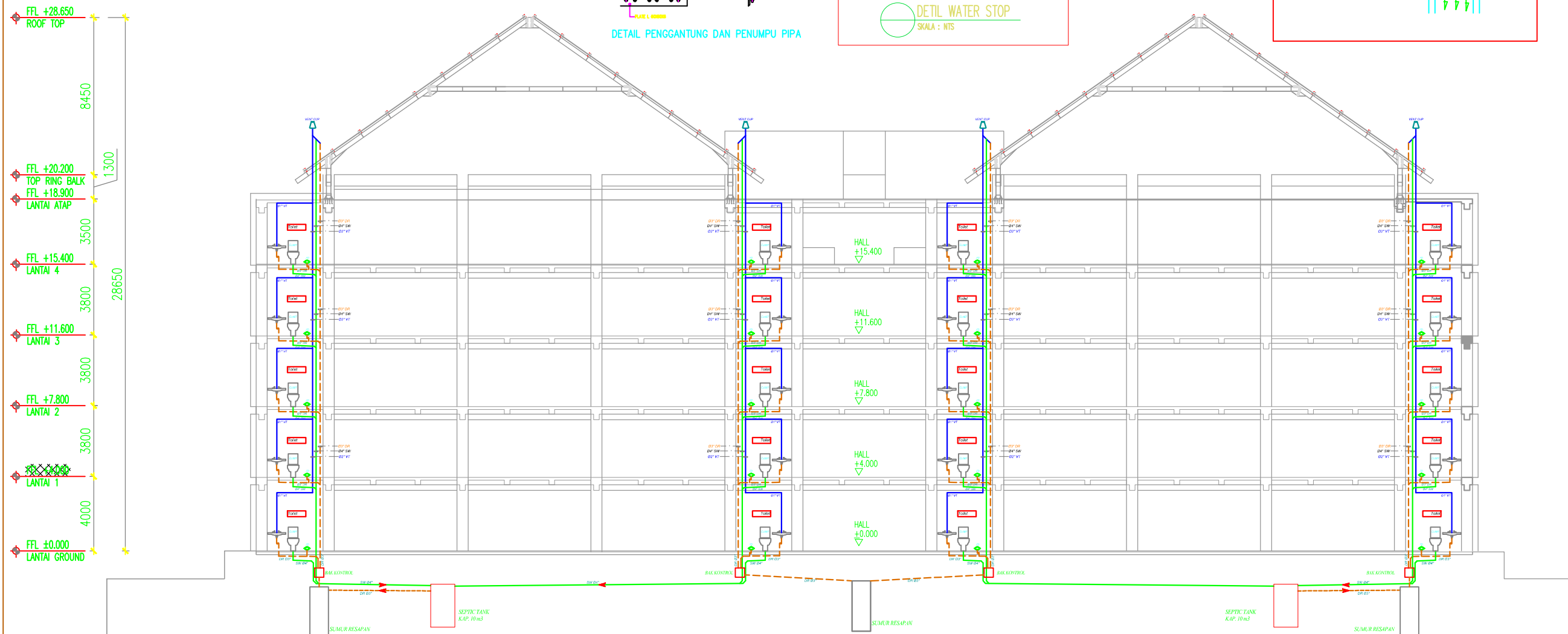
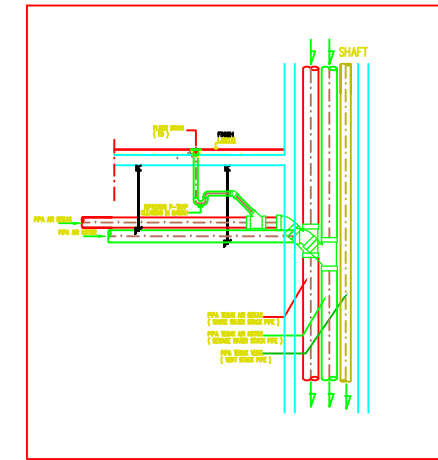
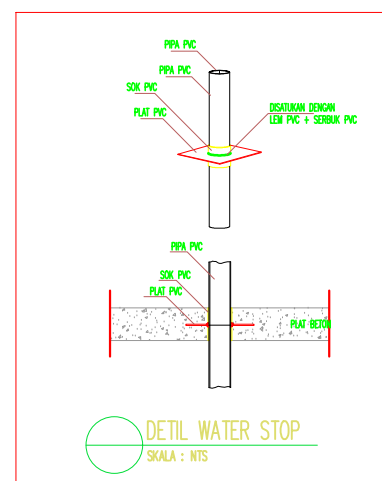
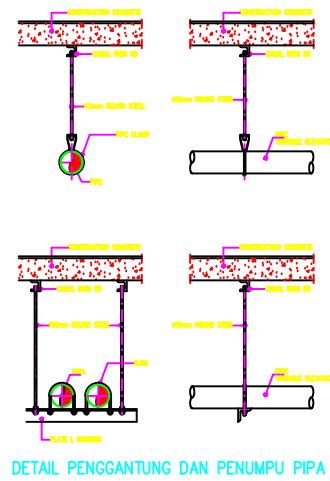
JUDUL GAMBAR :

**INSTALASI
 AIR BEKAS, KOTOR & VENT
 LANTAI 3**

SKALA :	DIGAMBAR	NND	TEL.	DES.2012
1 : 200	DIPERIKSA		TEL.	
	DISEWAJAI		TEL.	

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	PL.AK-04	RO



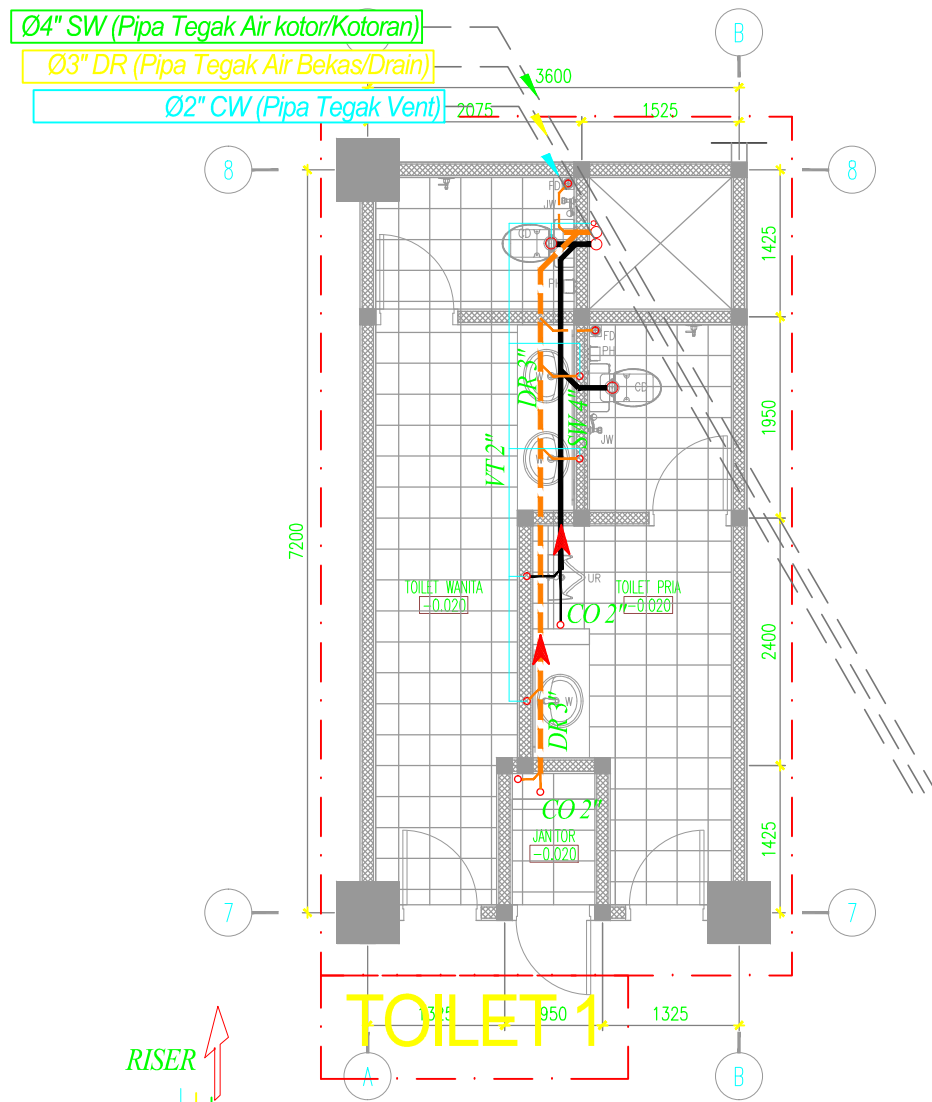
JENIS SAMBUHAN	URAIAN	PIPA DRAIN	PIPA CLOSET	PIPA VENT	KETERANGAN
		Ø12-Ø8"	Ø12-Ø8"	Ø12-Ø8"	
	SOCKET (D-DS)	✓	✓	✓	✓ = REKOMENDED
	45° ELBOW (D-EL)	✓	✓	✓	✗ = NOT REKOMENDED
	Y-BRANCH (D-Y)	✓	✓	✓	
	INCREASER / REDUCER (D-B)	✓	✓	✓	
	LARGE RADIUS TEE (D-LT)	✓	✓	✓	
	LARGE RADIUS ELBOW (D-LL)	✓	✓	✓	
	ELBOW (D-DL)	✗	✗	✗	
ELEVASI INSTALASI		1% s/d 2%	2%	1%	

NOTE :

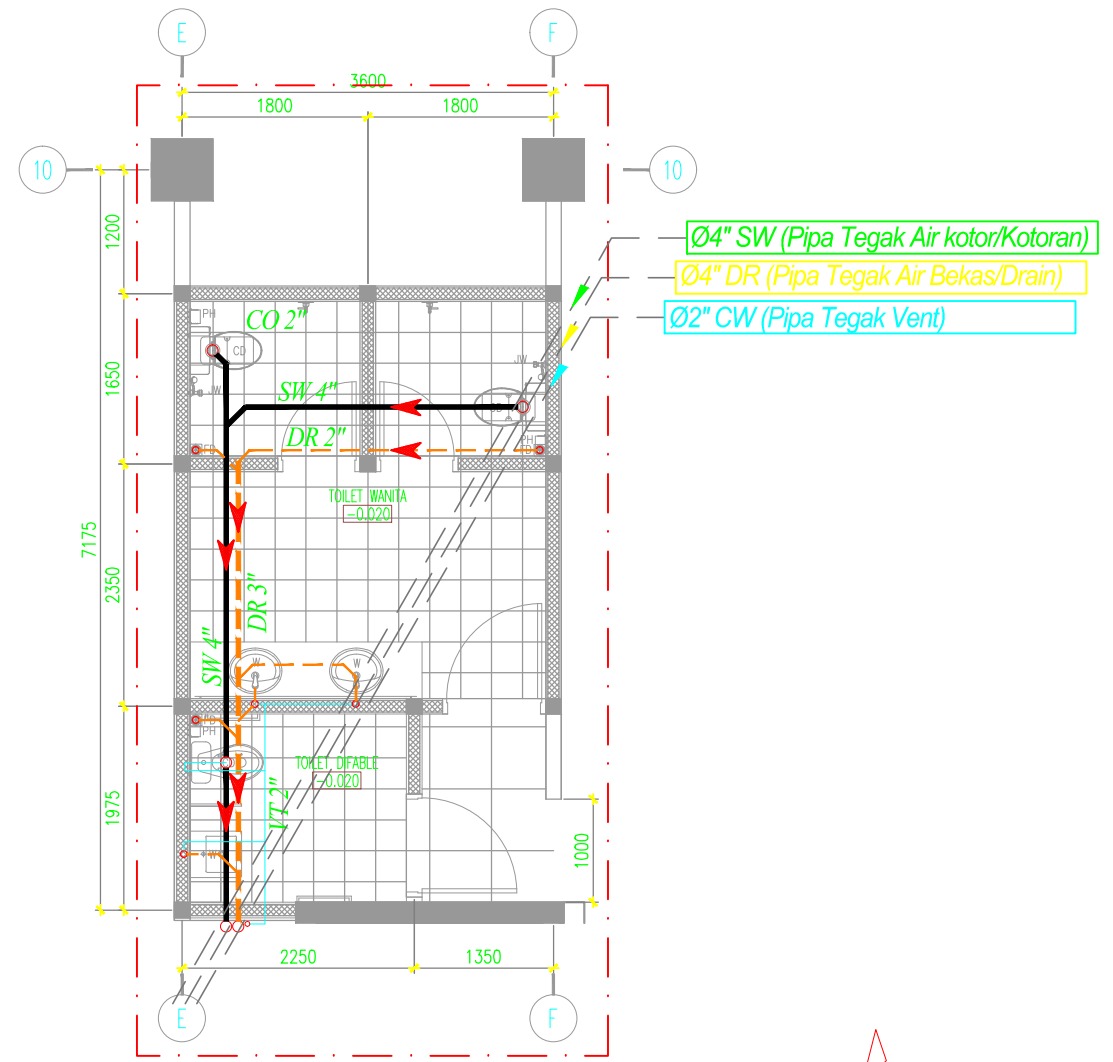
SW	SEWAGE WATER PIPE (PIPA KOTORAN)
DR	DRAIN WATER PIPE (PIPA AIR BEKAS)
VT	VENT PIPE (PIPA VENTILASI)
FD	FLOOR DRAIN
CO	CLEAN OUT
KD	KITCHEN DRAIN (PIPA DAPUR)
PGT	PORTABLE GREASE TRAP

DIAGRAM SISTEM AIR BEKAS, KOTOR & VENT

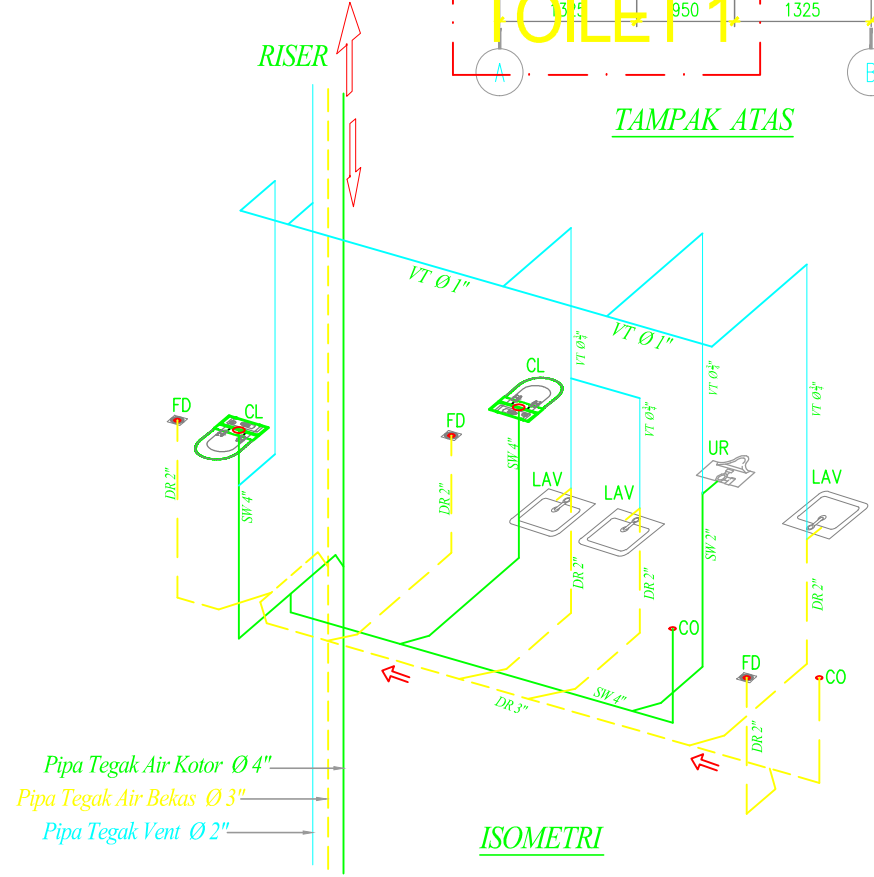
∠ ELEVASI Pipa Kotoran dalam gedung 2%, Luar gedung 1%
∠ ELEVASI Pipa Air Bekas & Infeksius dalam gedung 2%, Luar gedung 1%



TAMPAK ATAS

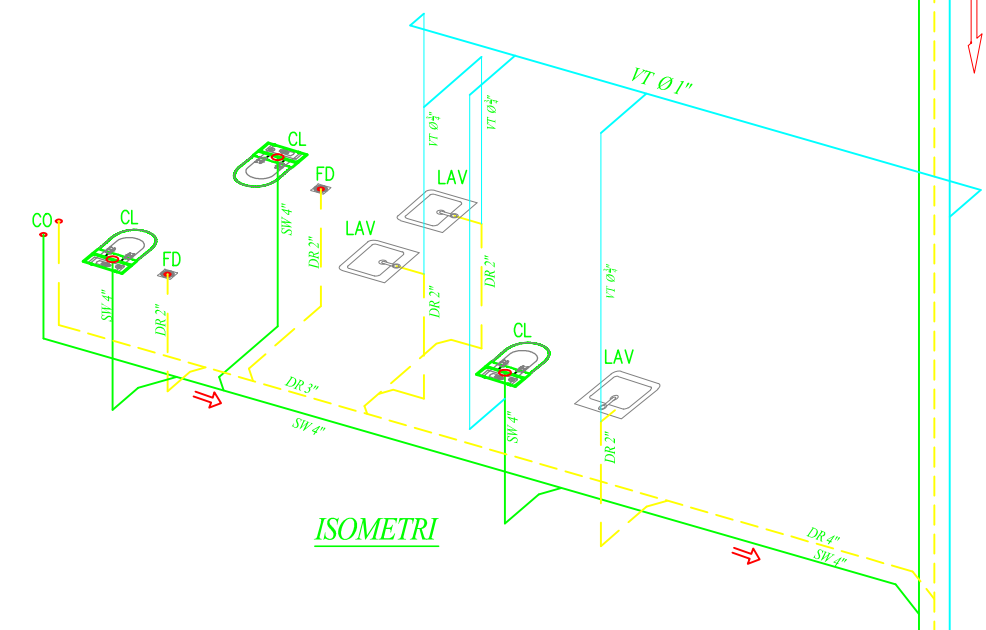


TAMPAK ATAS



ISOMETRI

DETAIL INSTALASI AIR BEKAS, KOTOR & VENT TOILET 1 (TIPIKAL)





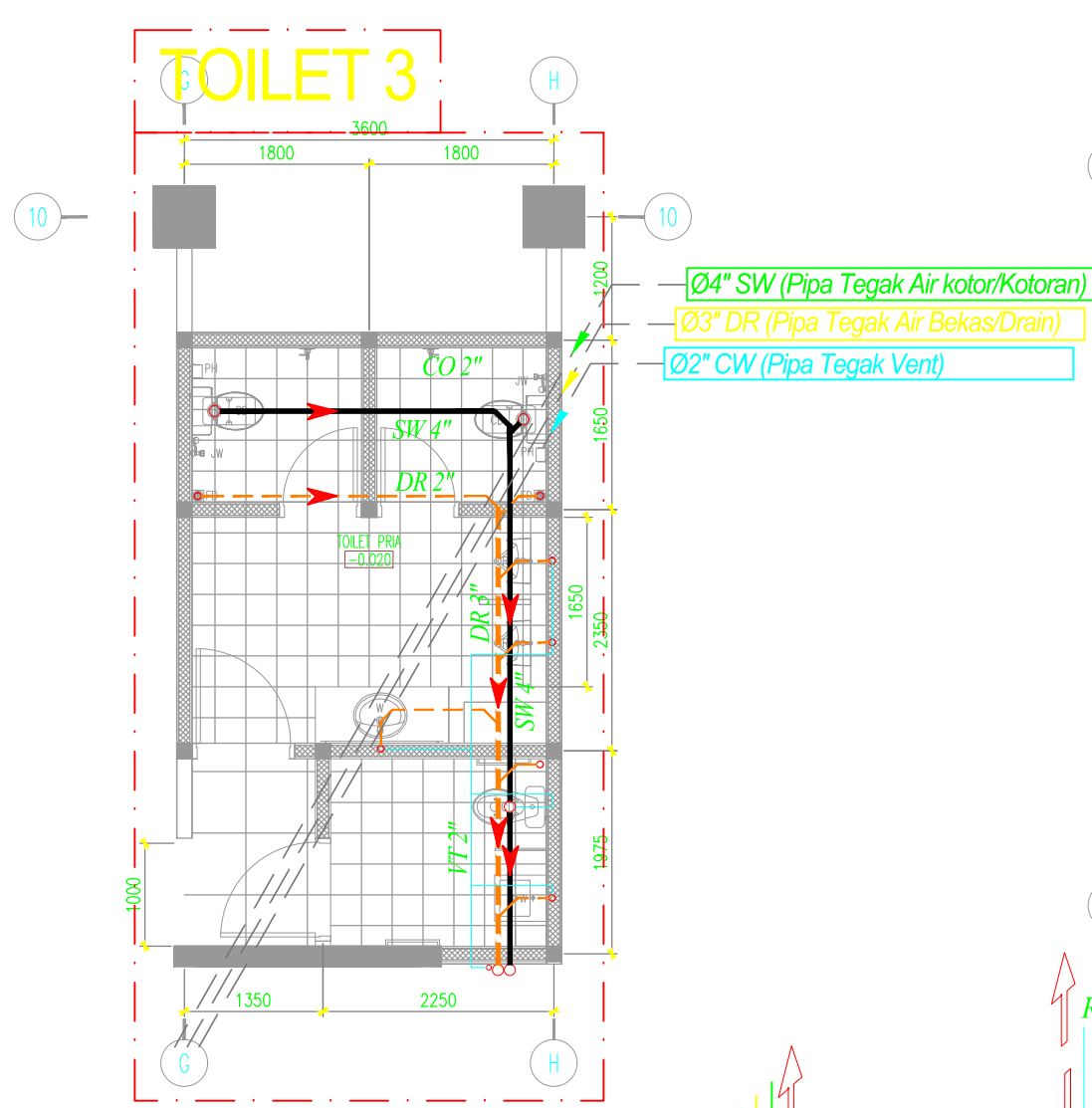
ISOMETRI

DETAIL INSTALASI AIR BEKAS, KOTOR & VENT TOILET 2 (TIPIKAL)

Pipa Tegak Air Kotor Ø 4"
 Pipa Tegak Air Bekas Ø 3"
 Pipa Tegak Vent Ø 2"

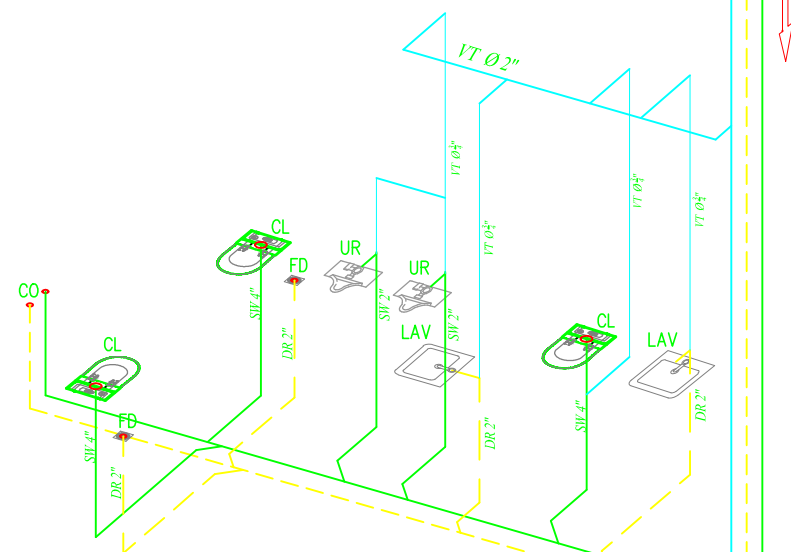
DETAILED PROJECT INFORMATION AND APPROVALS:

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PERENCANA		
 ARCHIFA ARCHITECTURE & DESIGN		
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CONSTRUCTOR	EKO SULISTYATMOJO, ST	
MECHANICAL ELECTRICAL	IR. AGUS JAMAL, M.Eng. APEI	
JUDUL GAMBAR :		
DETAIL INSTALASI AIR BEKAS, KOTOR & VENT TOILET 1 & 2 (TIPIKAL)		
SKALA :	DIGAMBAR NND TEL. DES.2012	
NTS	DIPERIKSA TEL.	
	DISETIAJI TEL.	
DIRELAKUKAN UNTUK : FOR CONSTRUCTION		
NO. PROYEK	NO. GAMBAR : REVISI :	
	PLAK-07	R0



TAMPAK ATAS

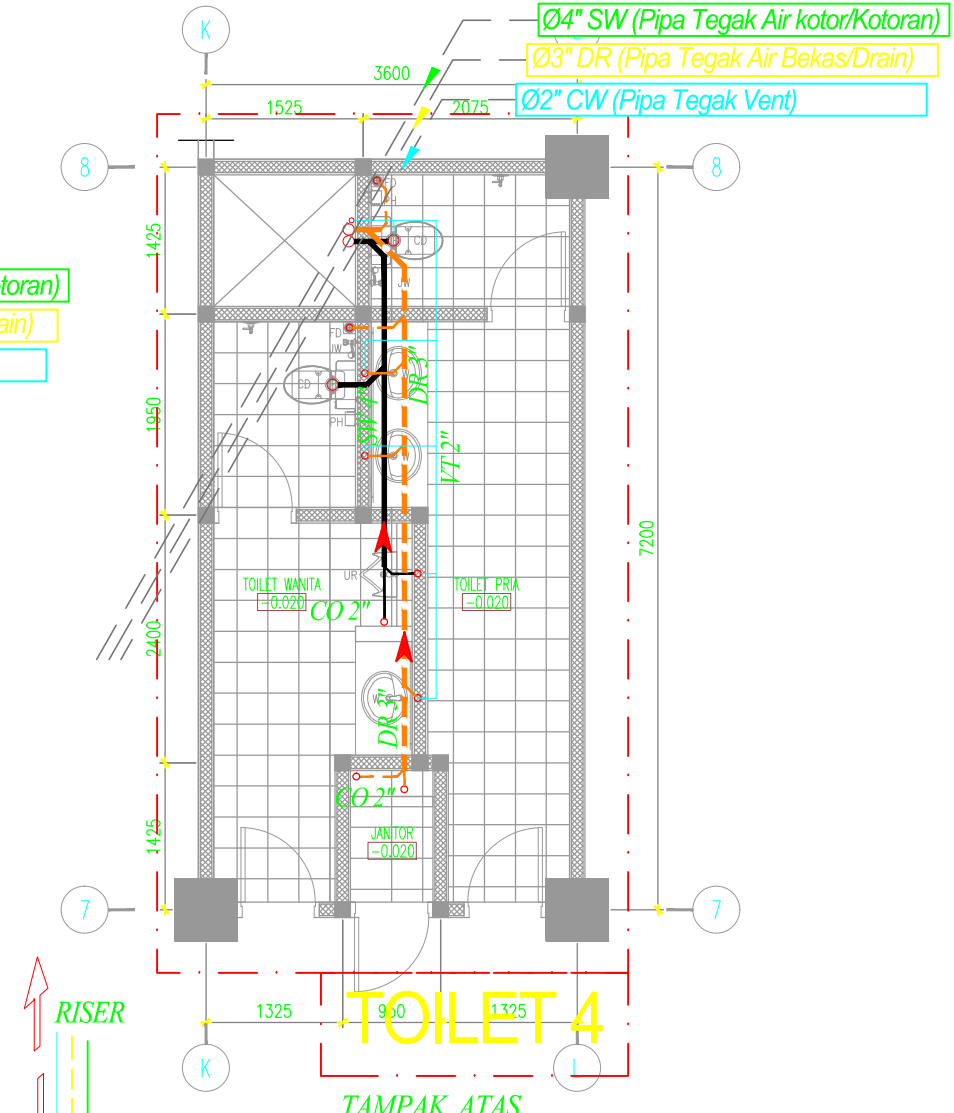
RISER



ISOMETRI

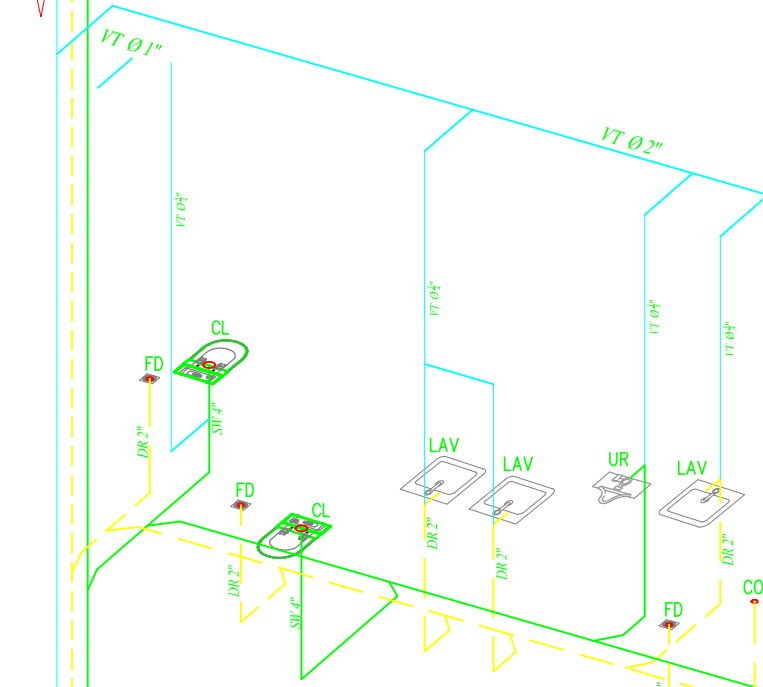
DETAIL INSTALASI AIR BEKAS, KOTOR & VENT TOILET 3 (TIPIKAL)

Pipa Tegak Air Kotor Ø 4"
 Pipa Tegak Air Bekas Ø 3"
 Pipa Tegak Vent Ø 2"



TAMPAK ATAS

RISER



ISOMETRI

DETAIL INSTALASI AIR BEKAS, KOTOR & VENT TOILET 4 (TIPIKAL)

Pipa Tegak Air Kotor Ø 4"
 Pipa Tegak Air Bekas Ø 3"
 Pipa Tegak Vent Ø 2"



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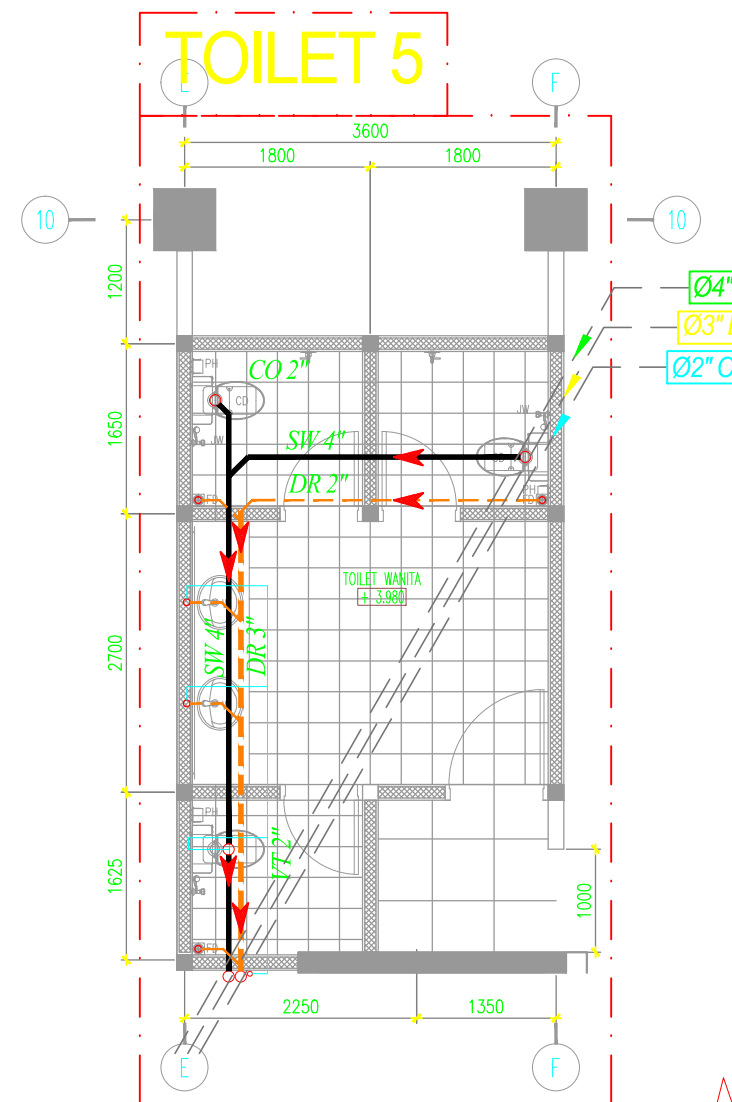
MECHANICAL ELECTRICAL
 IR. AGUS JAMAL, M.Eng. APEI

**DETAIL INSTALASI
 AIR BEKAS, KOTOR & VENT
 TOILET 3 & 4 (TIPIKAL)**

SKALA :	DIGAMBAR	NND	TOL.	DES.2012
NTS	DIPERIKSA		TOL.	
	DISEWAJI		TOL.	

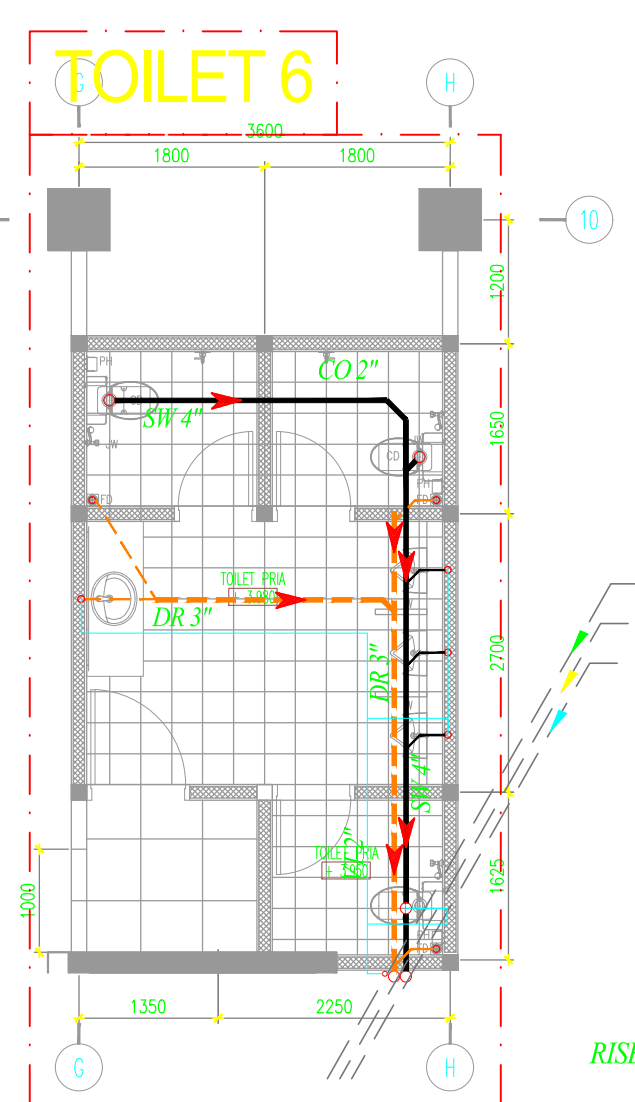
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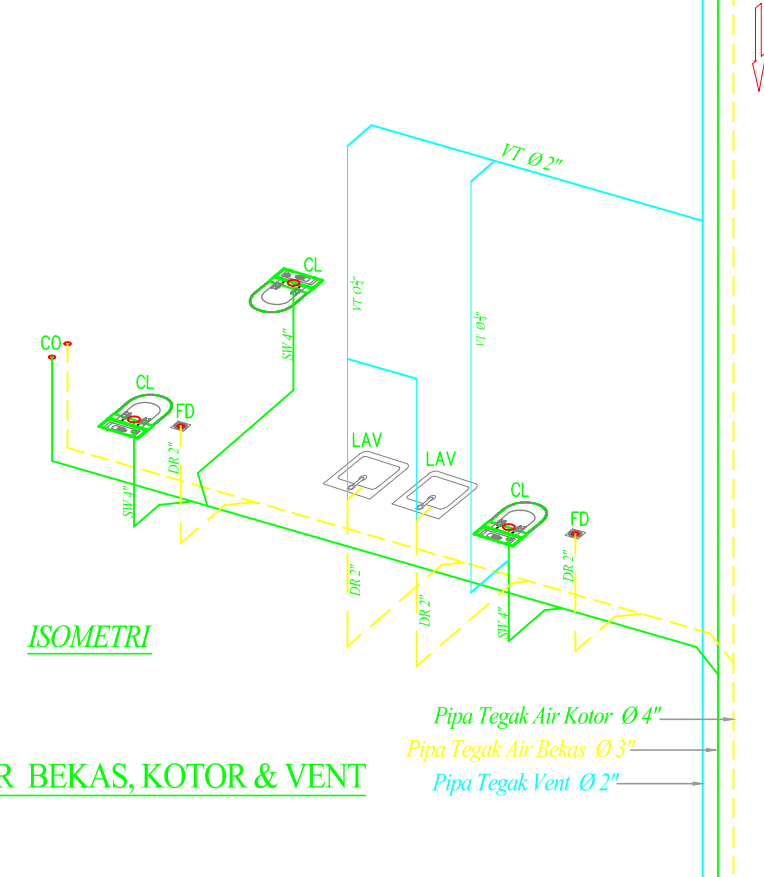
TAMPAK ATAS

RISER



TAMPAK ATAS

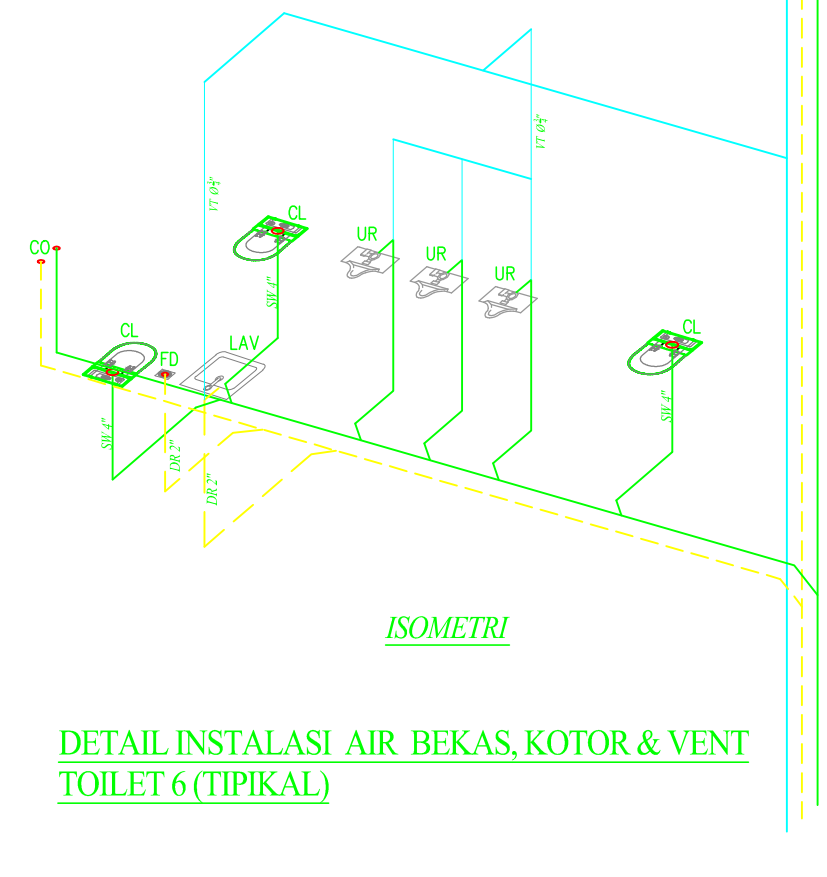
RISER



ISOMETRI

DETAIL INSTALASI AIR BEKAS, KOTOR & VENT
 TOILET 5 (TIPIKAL)

Pipa Tegak Air Kotor Ø 4"
 Pipa Tegak Air Bekas Ø 3"
 Pipa Tegak Vent Ø 2"



ISOMETRI

DETAIL INSTALASI AIR BEKAS, KOTOR & VENT
 TOILET 6 (TIPIKAL)

PEMBERI TUGAS



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JUDUL GAMBAR :

**DETAIL INSTALASI
 AIR BEKAS, KOTOR & VENT
 TOILET 5 & 6 (TIPIKAL)**

SKALA :	DIGAMBAR	NND	TOL.	DES.2012
NTS	DIPERIKSA		TOL.	
	DISETIAJI		TOL.	

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