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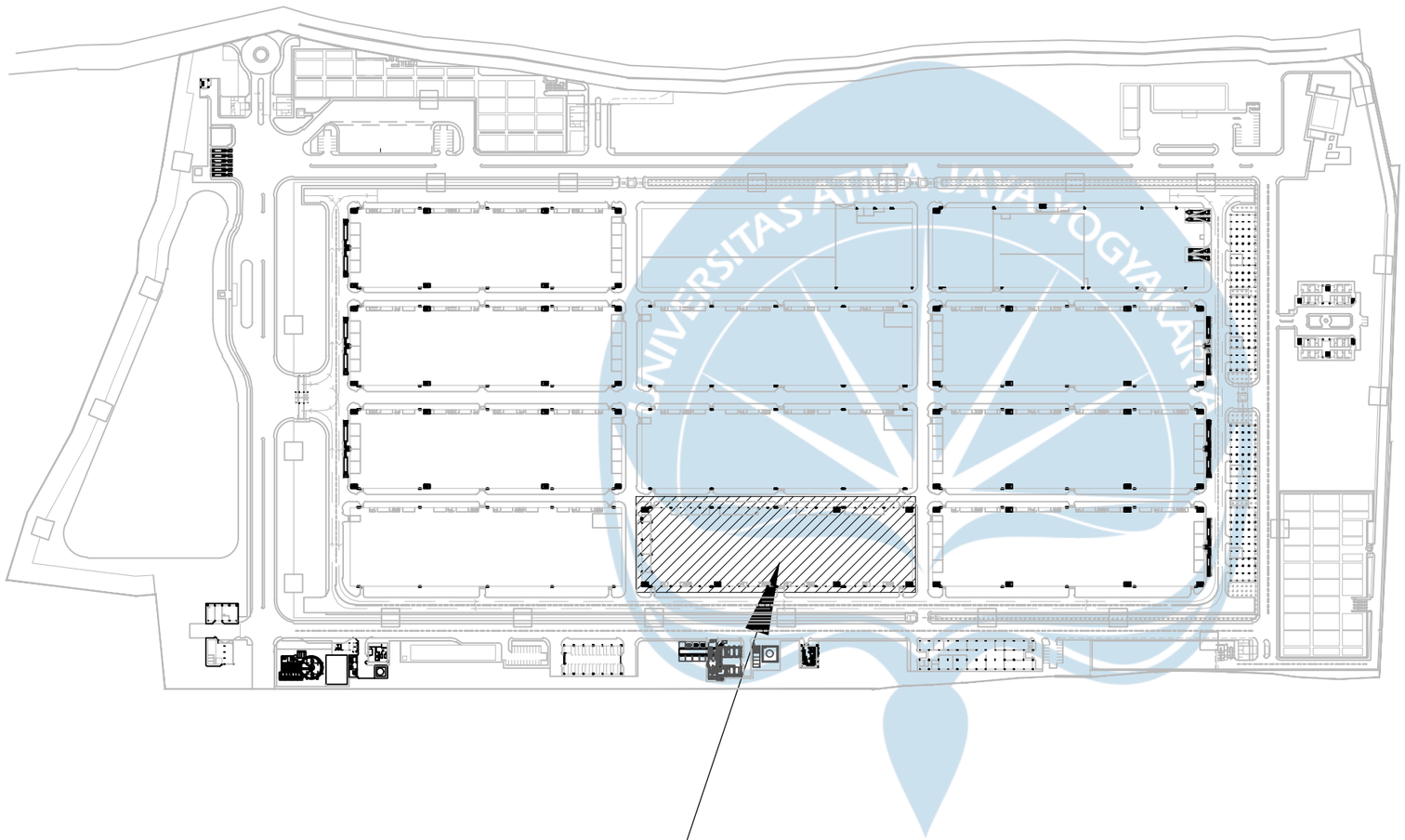
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Site Plan

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NAMA PROYEK

Gedung *Canteen* (*F8*)

PEKERJAAN

Perancangan Pembangunan
Gedung *Canteen* (*F8*)

LOKASI

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Jl. Raya Bojong, Dukuh, Wangandowo,
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Pekalongan, Jawa Tengah 51156.

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Site Plan

NAMA KELOMPOK

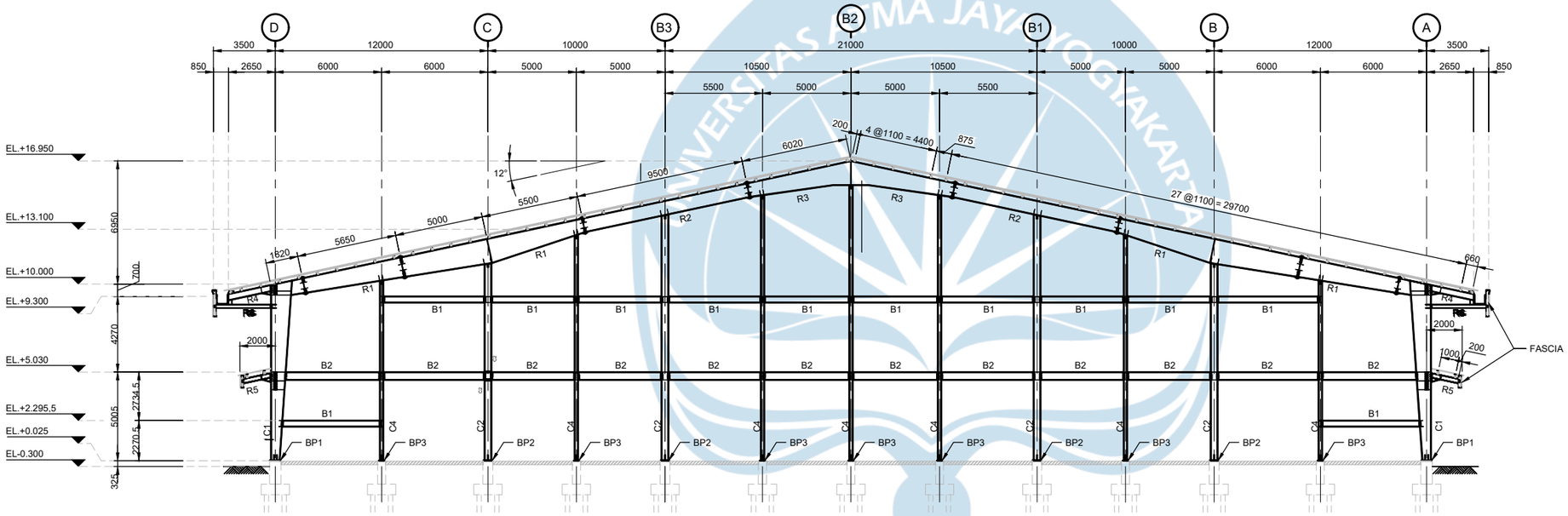
1. Dimas Hawu (210218465)
2. Eleazer J. Tikupadang (210218562)

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SKALA GAMBAR	A3 1:400
No. GAMBAR	1 OF 23



Tampak Depan Gedung

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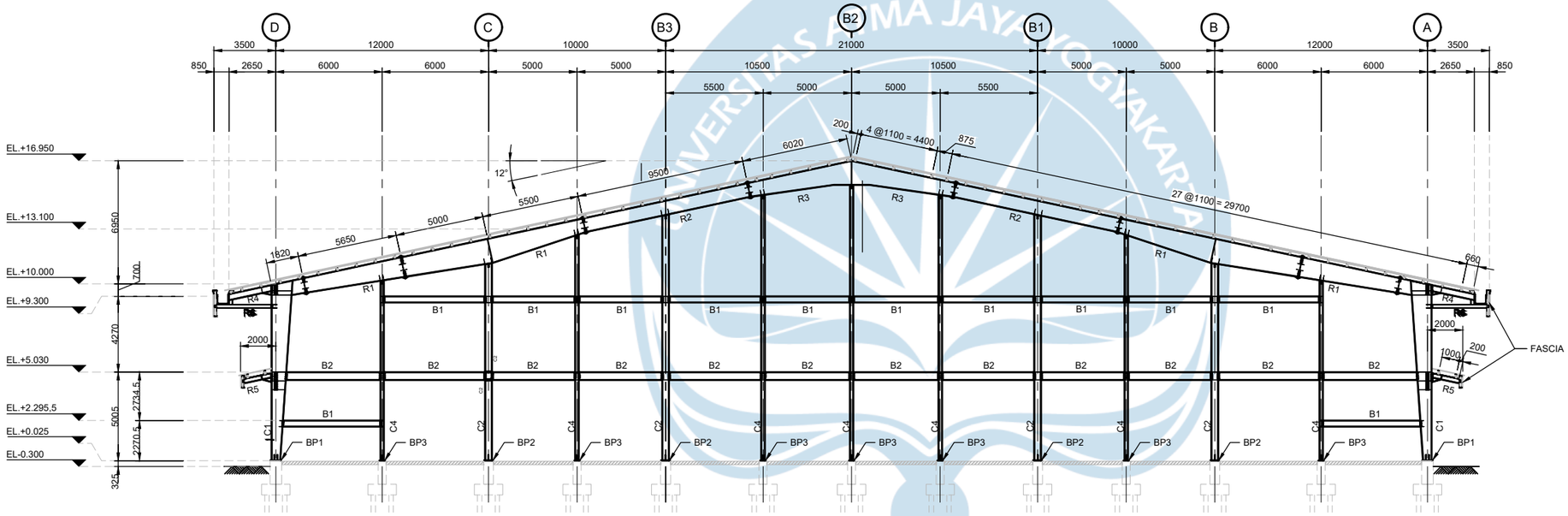
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SKALA GAMBAR	A3 1:400
No. GAMBAR	2 OF 23



Tampak Belakang Gedung

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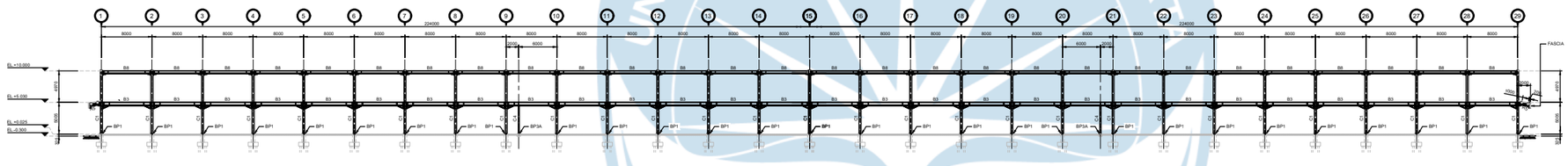
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SKALA GAMBAR	A3 1:400
No. GAMBAR	3 OF 23



Tampak Samping Gedung

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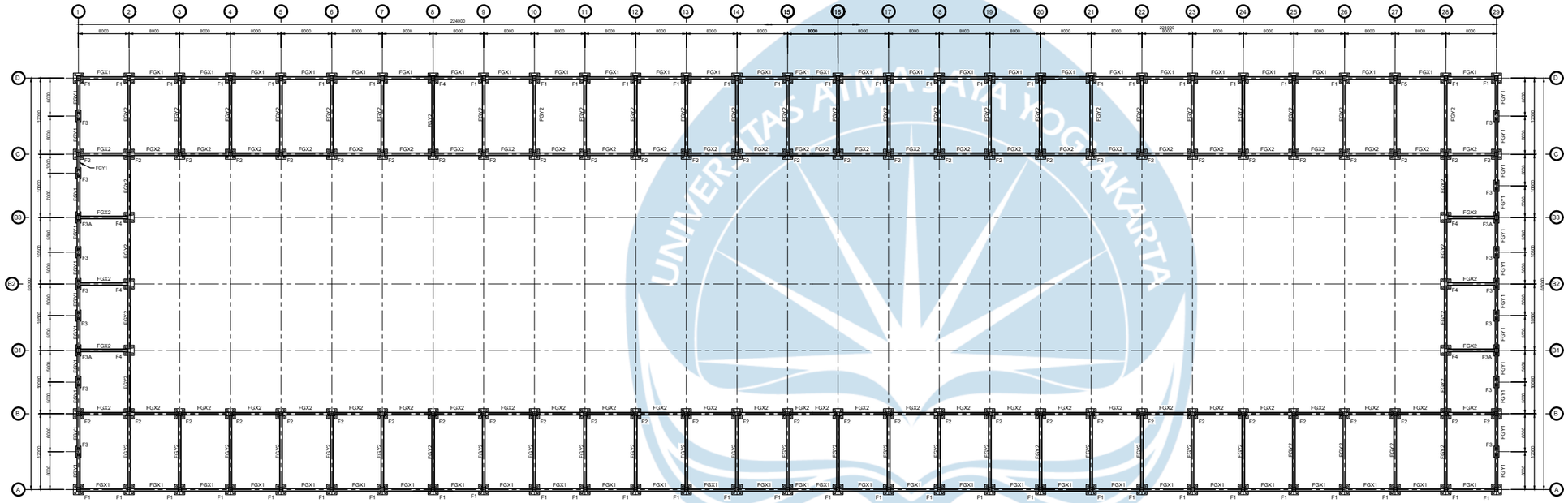
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SKALA GAMBAR	A3 1:400
No. GAMBAR	4 OF 23

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Denah Fondasi

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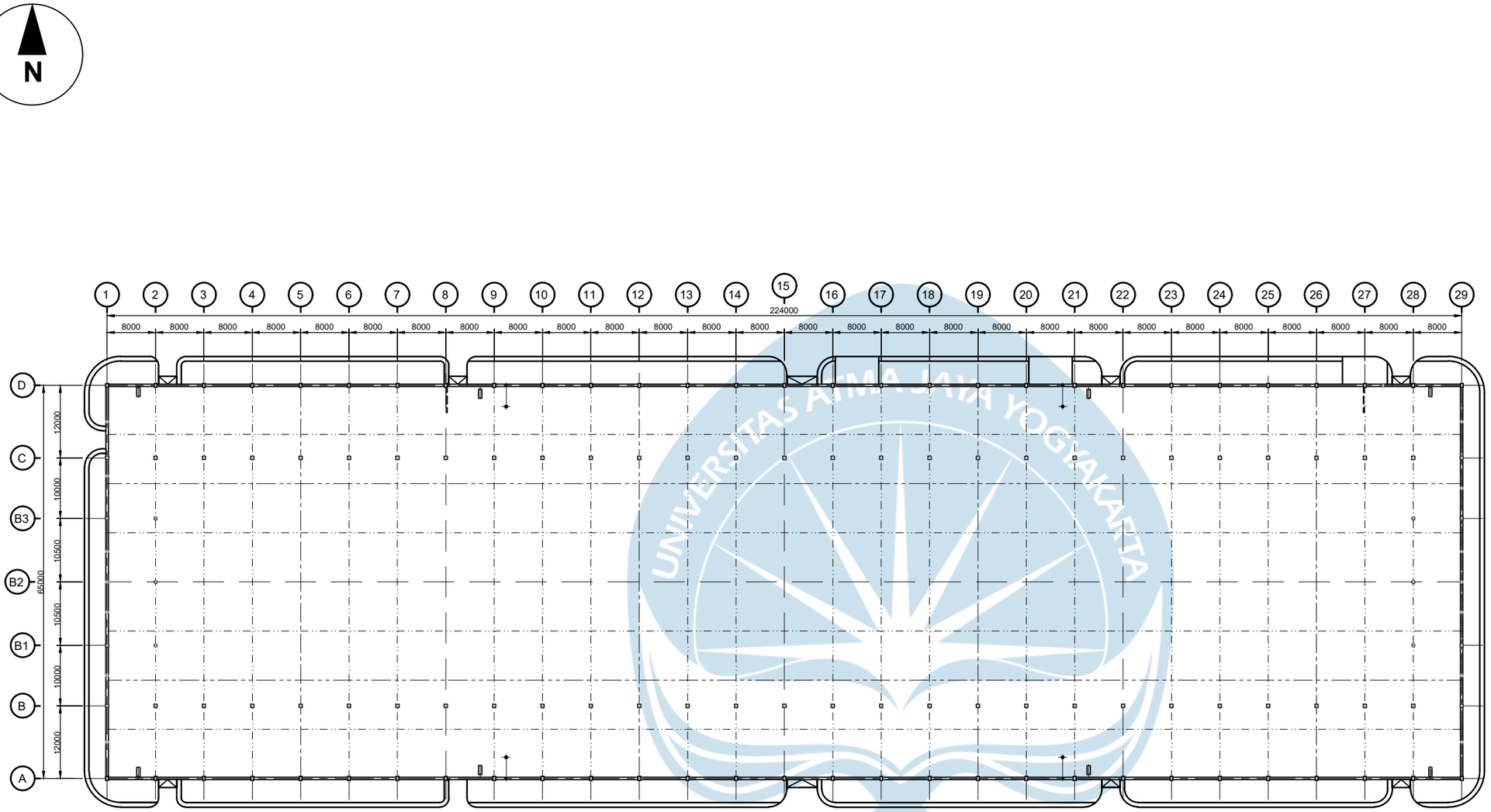
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SKALA GAMBAR	A3 1:400
No. GAMBAR	5 OF 23



Denah Slab On Ground

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Denah Slab On Ground

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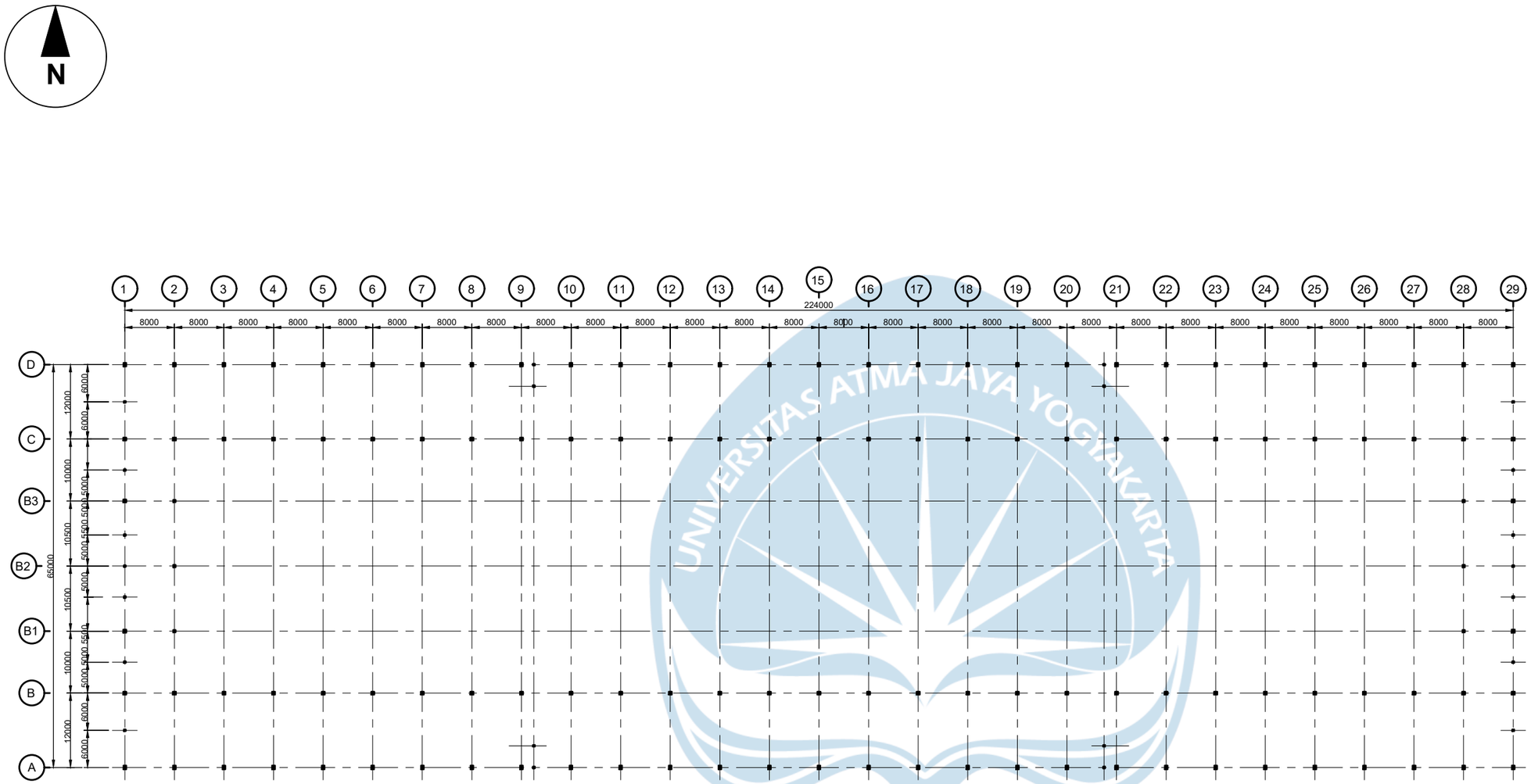
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SKALA GAMBAR	A3 1:400
No. GAMBAR	6 OF 23



Denah Kolom

Skala 1:400

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Gedung *Canteen* (*F8*)

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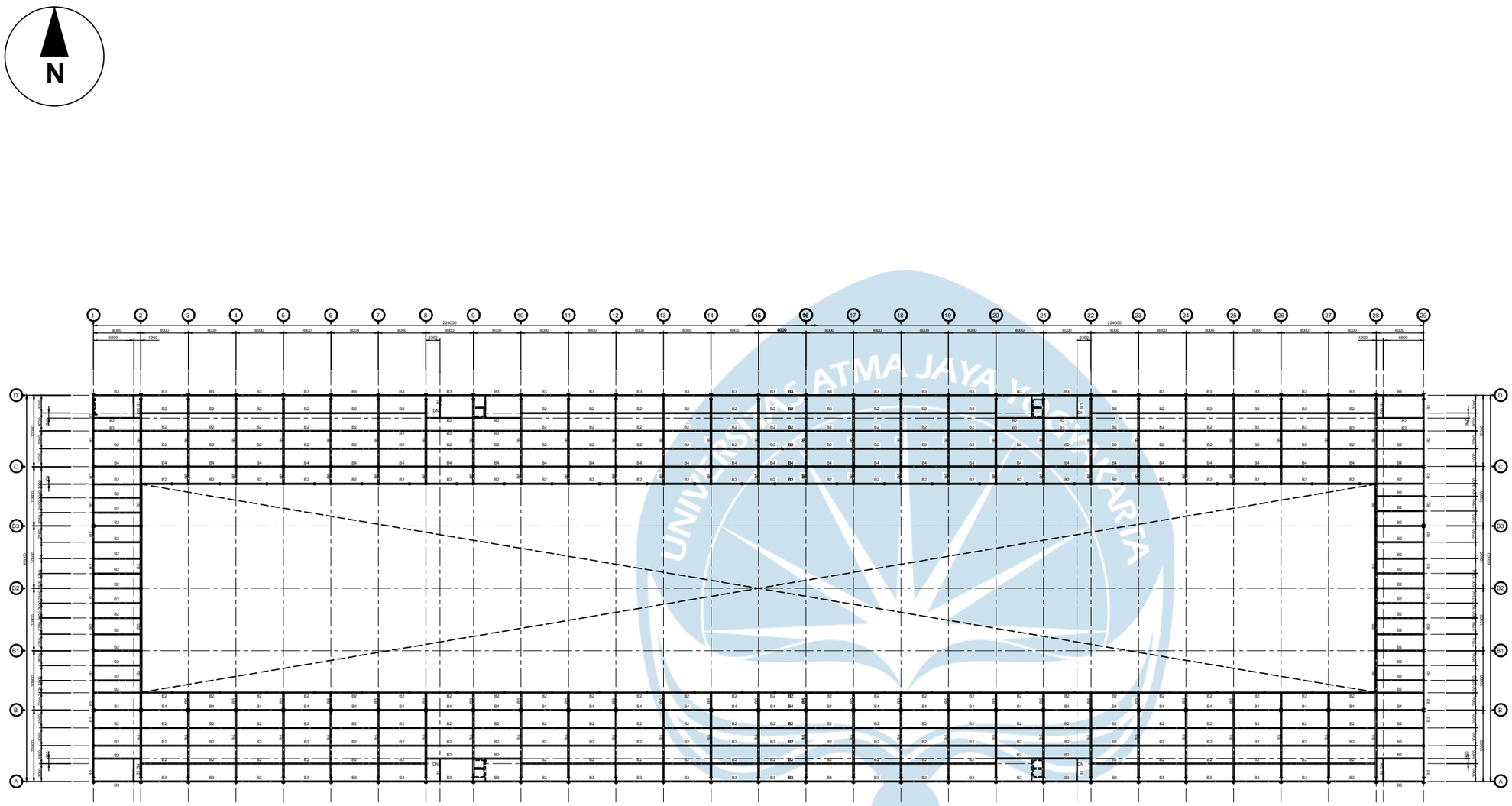
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SKALA GAMBAR	A3 1:400
No. GAMBAR	7 OF 23



Denah Balok Mezzanine

Skala 1:400

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Gedung *Canteen* (*F8*)

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Denah Balok Mezzanine

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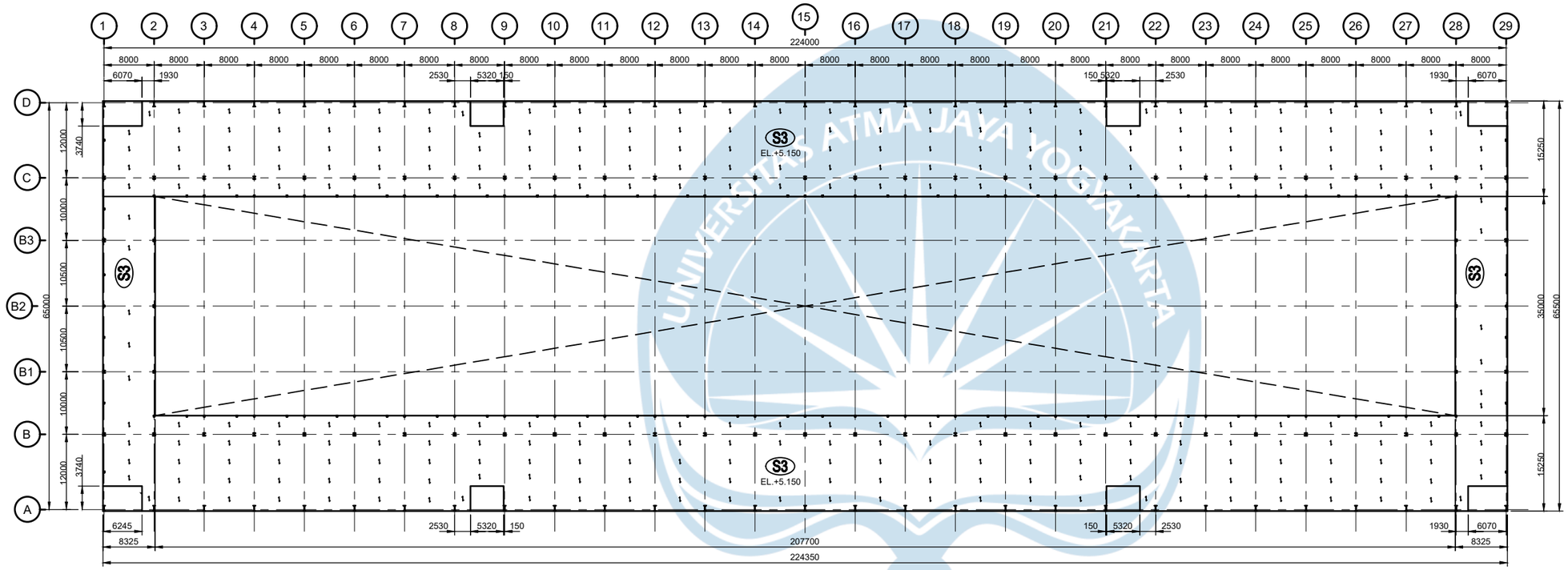
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SKALA GAMBAR	A3 1:400
No. GAMBAR	8 OF 23



Denah Slab Mezzanine

Skala 1:400

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Denah Slab Mezzanine

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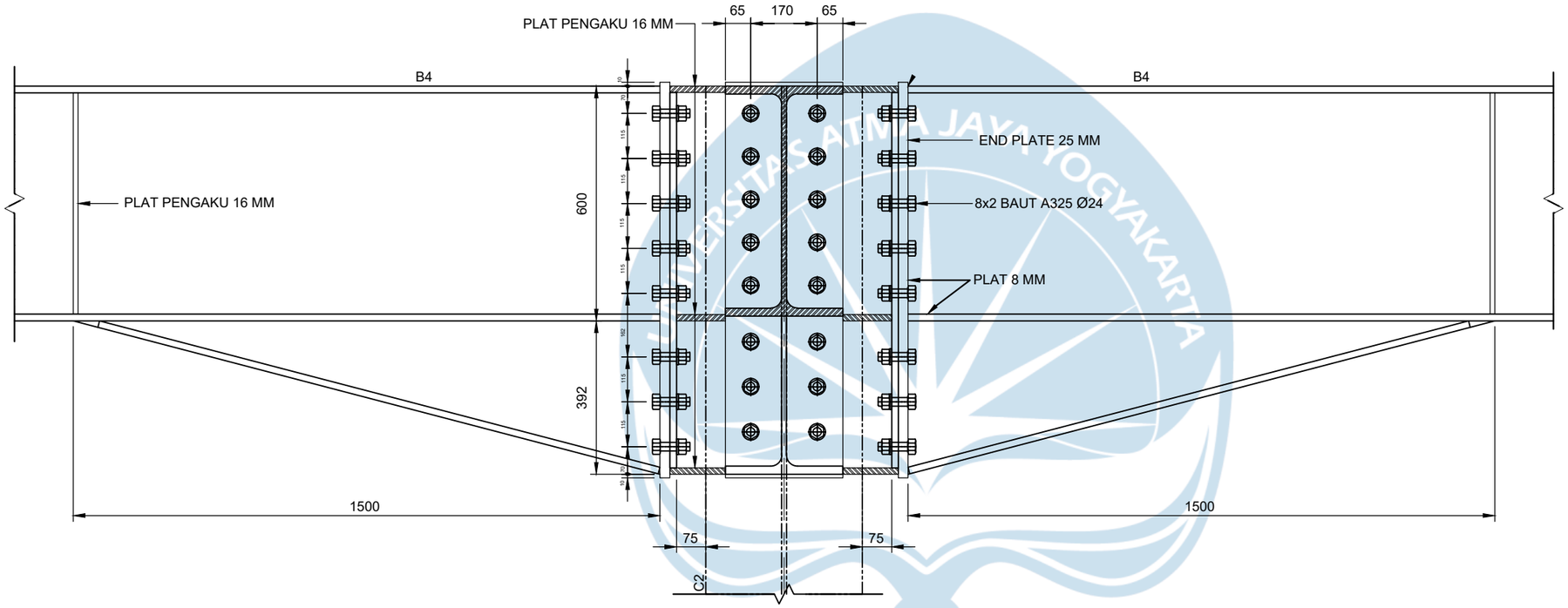
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SKALA GAMBAR	A3 1:400
No. GAMBAR	9 OF 23



Detail Sambungan Balok dan Kolom

Skala 1:50

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Detail Sambungan Balok dan Kolom

NAMA KELOMPOK

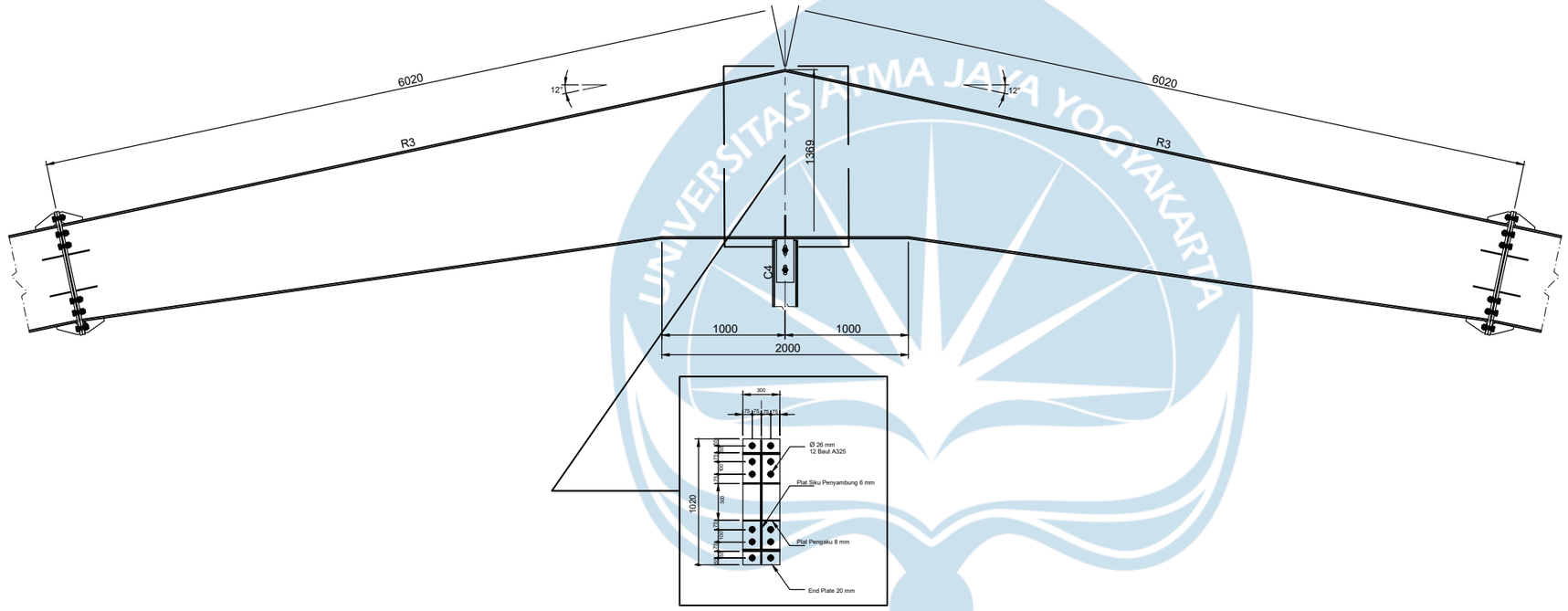
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SKALA GAMBAR	A3 1:50
No. GAMBAR	10 OF 23



Detail Sambungan Rafter ke Rafter

Skala 1:50

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PEKERJAAN

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Detail Sambungan Rafter ke Rafter

NAMA KELOMPOK

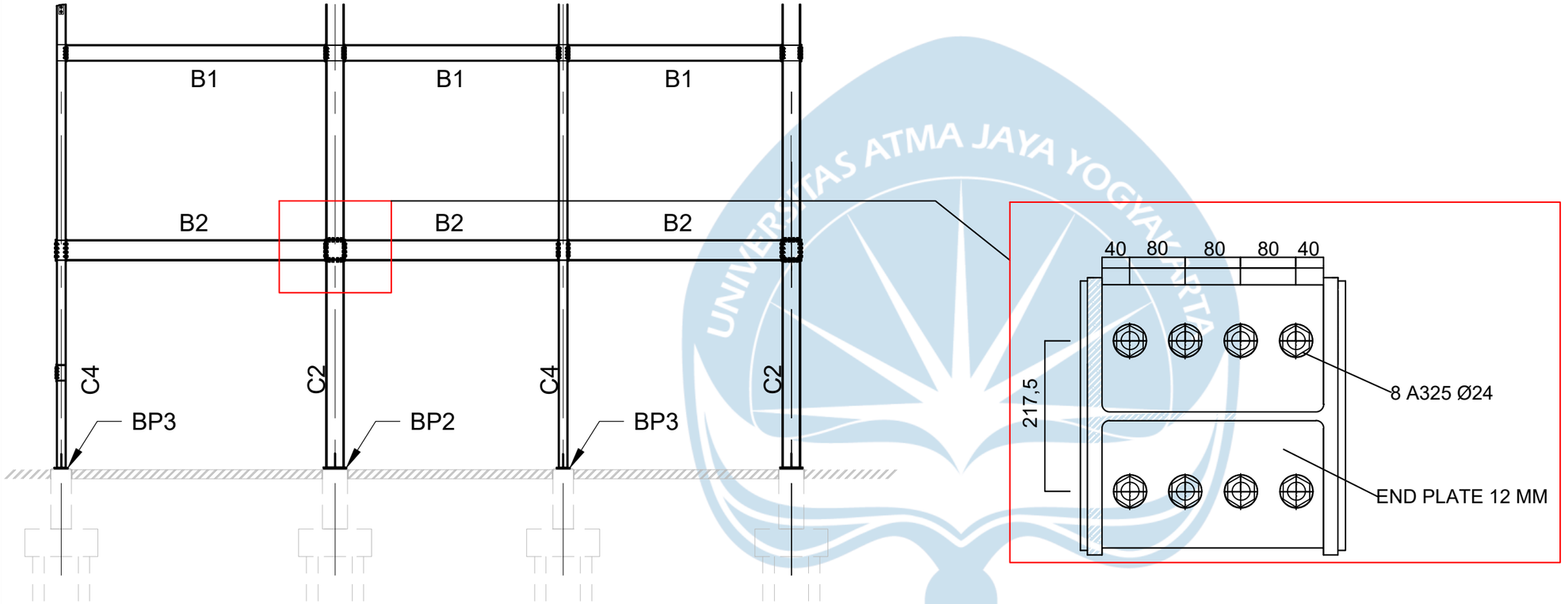
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SKALA GAMBAR	A3 1:50
No. GAMBAR	11 OF 23



Detail Sambungan Kolom ke Kolom

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PEKERJAAN

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Detail Sambungan Kolom ke Kolom

NAMA KELOMPOK

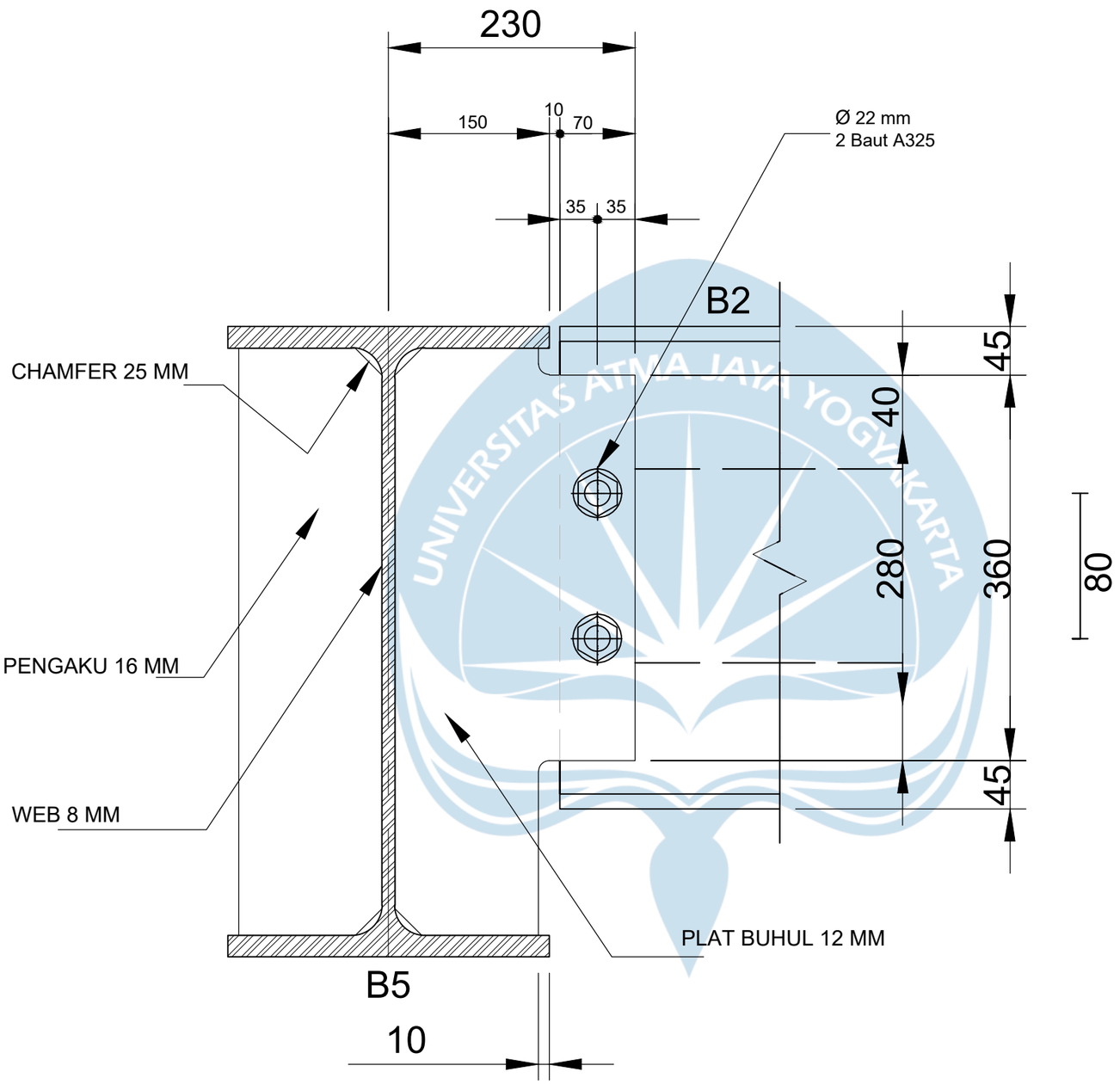
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SKALA GAMBAR	A3 1:50
No. GAMBAR	12 OF 23



Detail Sambungan Balok Induk dan Anak

Skala 1:50

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GAMBAR

Detail Sambungan Balok Induk dan Anak

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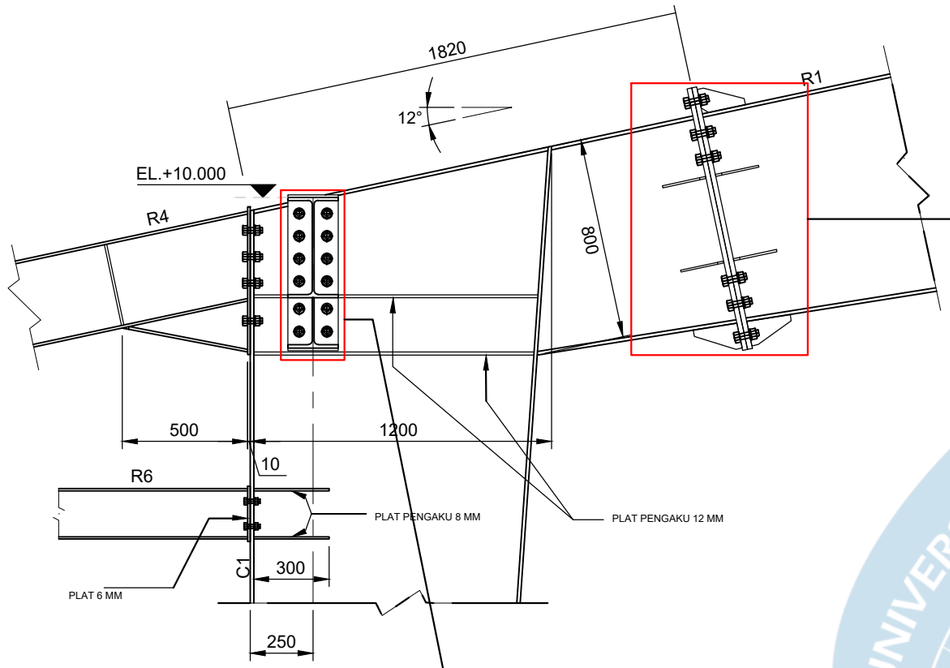
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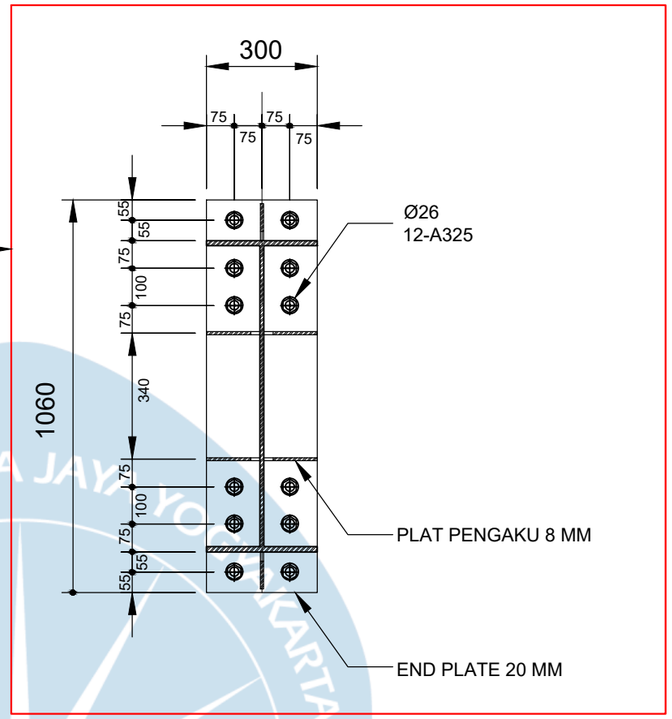
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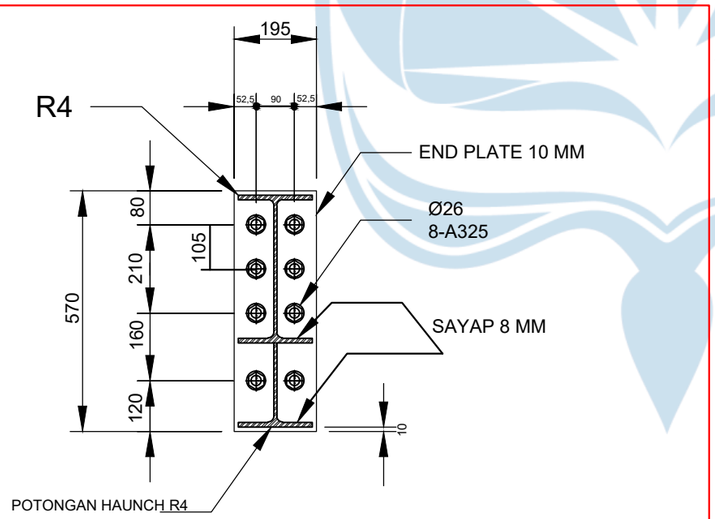
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No. GAMBAR	13 OF 23







Detail Sambungan Kolom ke Rafter

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Detail Sambungan Kolom ke Rafter

NAMA KELOMPOK

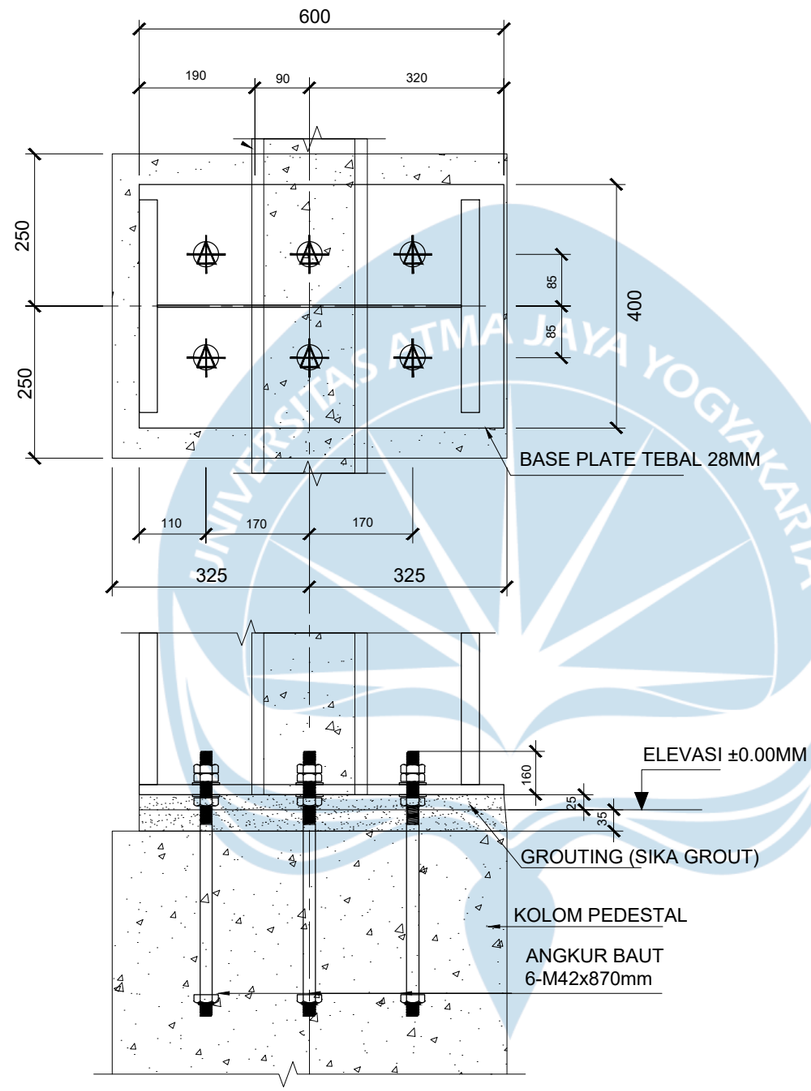
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SKALA GAMBAR	A3 1:50
No. GAMBAR	14 OF 23



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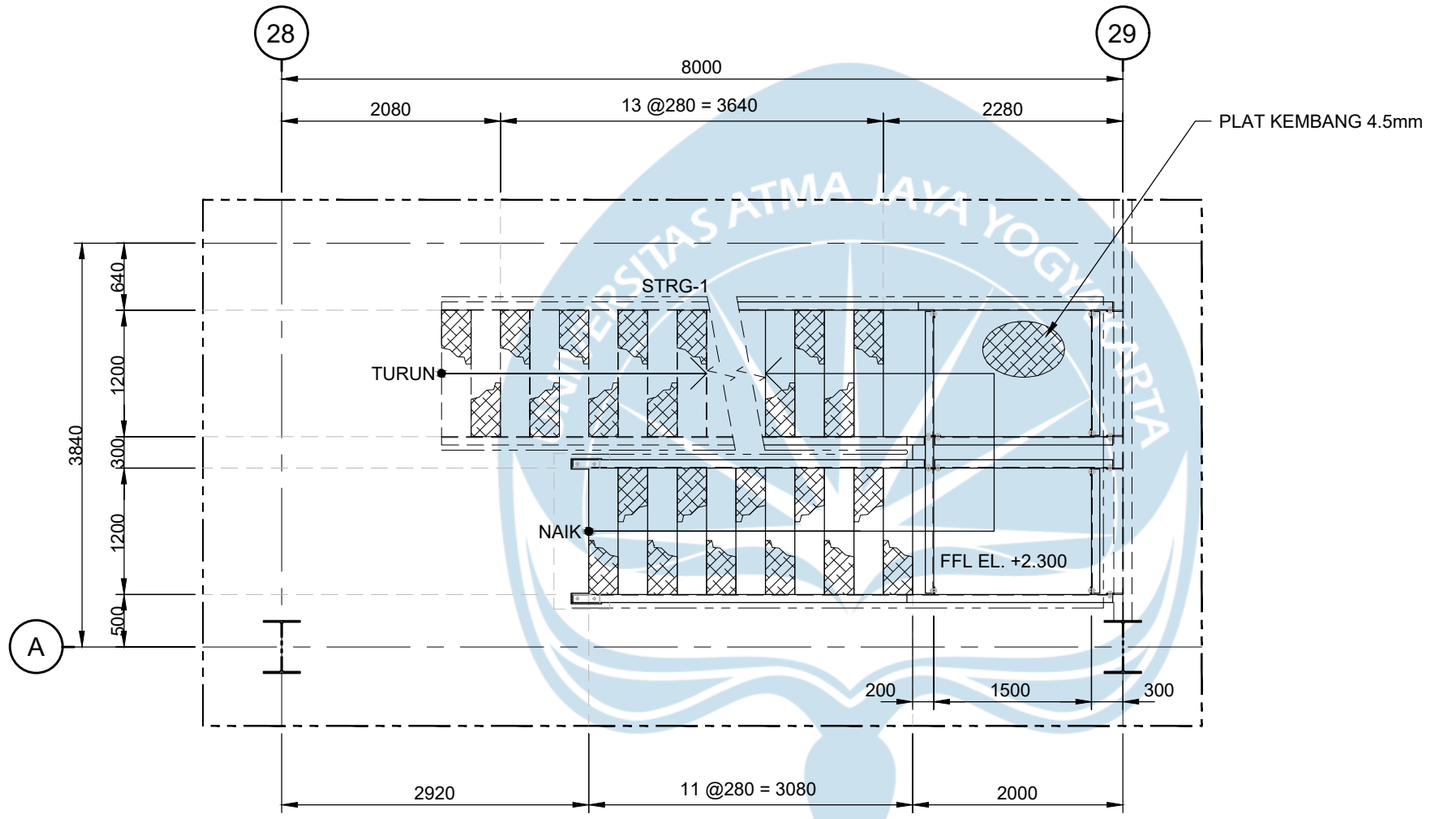
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SKALA GAMBAR	A3 1:100
No. GAMBAR	15 OF 23



Tampak Atas Tangga

Skala 1: 50

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UNIVERSITAS ATMA JAYA YOGYAKARTA

NAMA PROYEK

Gedung *Canteen* (*F8*)

PEKERJAAN

Perancangan Pembangunan
Gedung *Canteen* (*F8*)

LOKASI

PCG Central Java Industrial Project,
Jl. Raya Bojong, Dukuh, Wangandowo,
Kecamatan Bojong, Kabupaten
Pekalongan, Jawa Tengah 51156.

GAMBAR

Tampak Atas Tangga

NAMA KELOMPOK

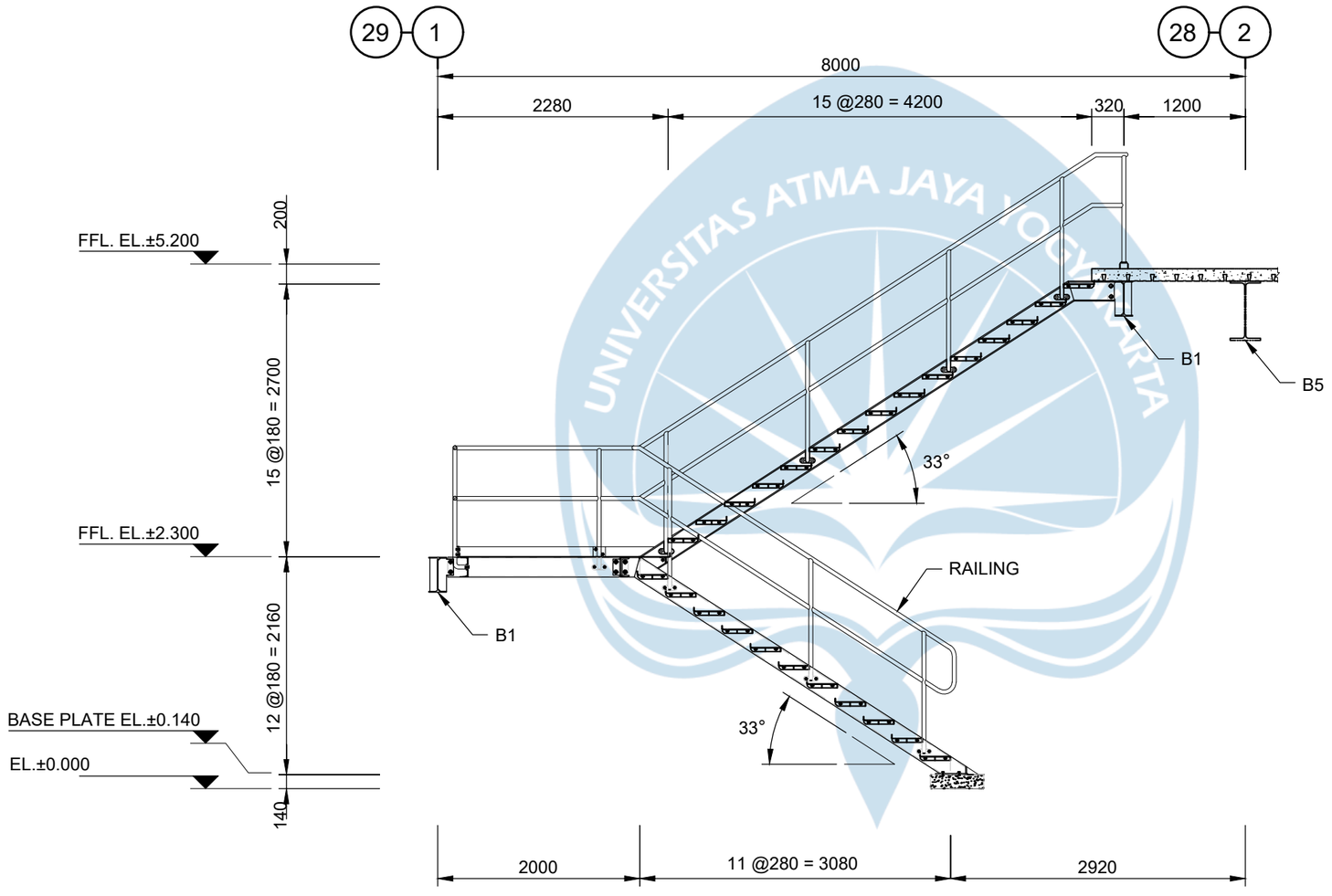
1. Dimas Hawu (210218465)
2. Eleazer J. Tikupadang (210218562)

DOSEN PEMBIMBING

1. Prof. Ir. AY Harijanto Setiawan, M.Eng., Ph.D.

TTD

SKALA GAMBAR	A3 1:50
No. GAMBAR	16 OF 23



Tampak Potongan Samping Tangga

Skala 1: 50

INSTANSI

FAKULTAS TEKNIK
JURUSAN TEKNIK SIPIL
UNIVERSITAS ATMA JAYA YOGYAKARTA

NAMA PROYEK

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GAMBAR

Tampak Potongan Samping Tangga

NAMA KELOMPOK

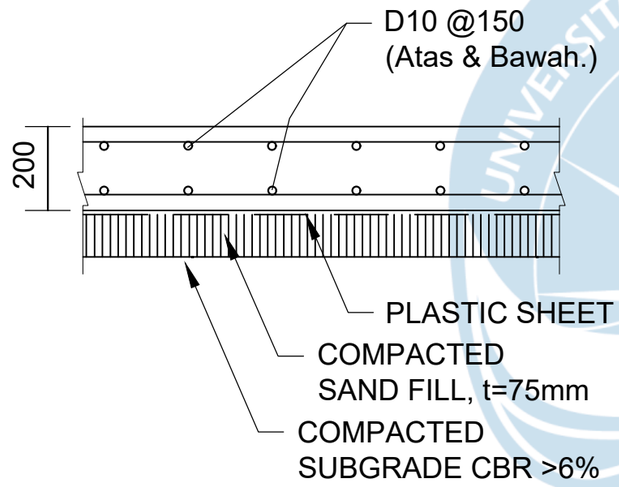
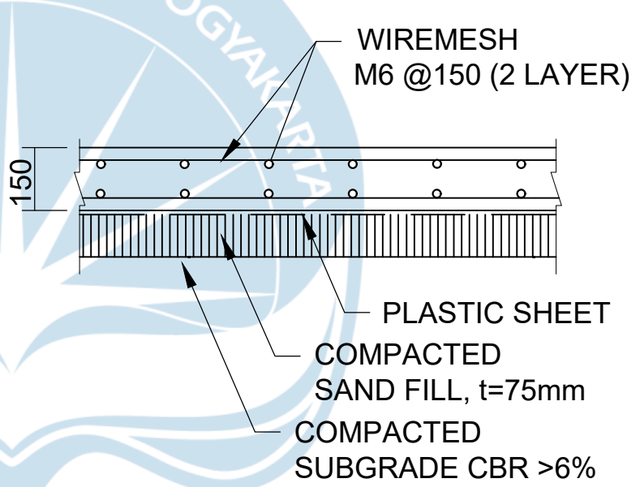
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SKALA GAMBAR	A3 1:50
No. GAMBAR	17 OF 23

TIPE	S1	S2
KETEBALAN	200 MM	150 MM
ELEVASI	±0.000	-
POTONGAN		

Detail Slab On Ground

Skala 1:50

INSTANSI

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GAMBAR

Detail Slab On Ground

NAMA KELOMPOK

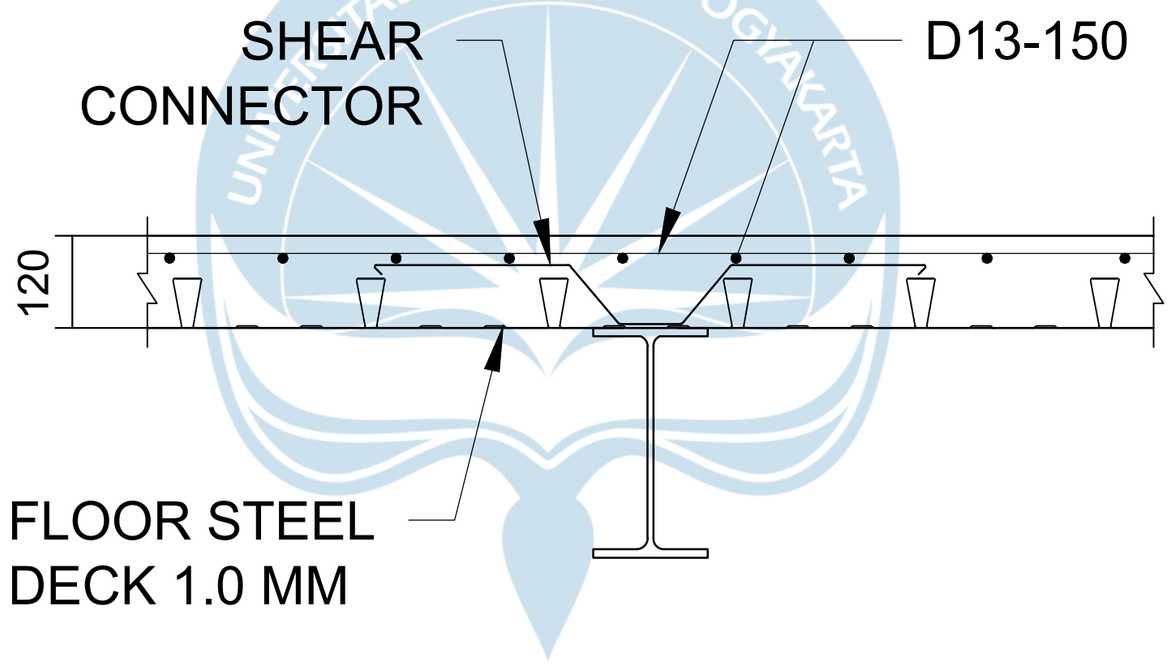
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SKALA GAMBAR	A3 1:50
No. GAMBAR	18 OF 23

TIPE	S3
KETEBALAN	120 MM
ELEVASI	+5.150
POTONGAN	

Detail Slab Mezzanine

Skala 1: 50

INSTANSI

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UNIVERSITAS ATMA JAYA YOGYAKARTA

NAMA PROYEK

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PEKERJAAN

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LOKASI

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Kecamatan Bojong, Kabupaten
Pekalongan, Jawa Tengah 51156.

GAMBAR

Detail Slab Mezzanine

NAMA KELOMPOK

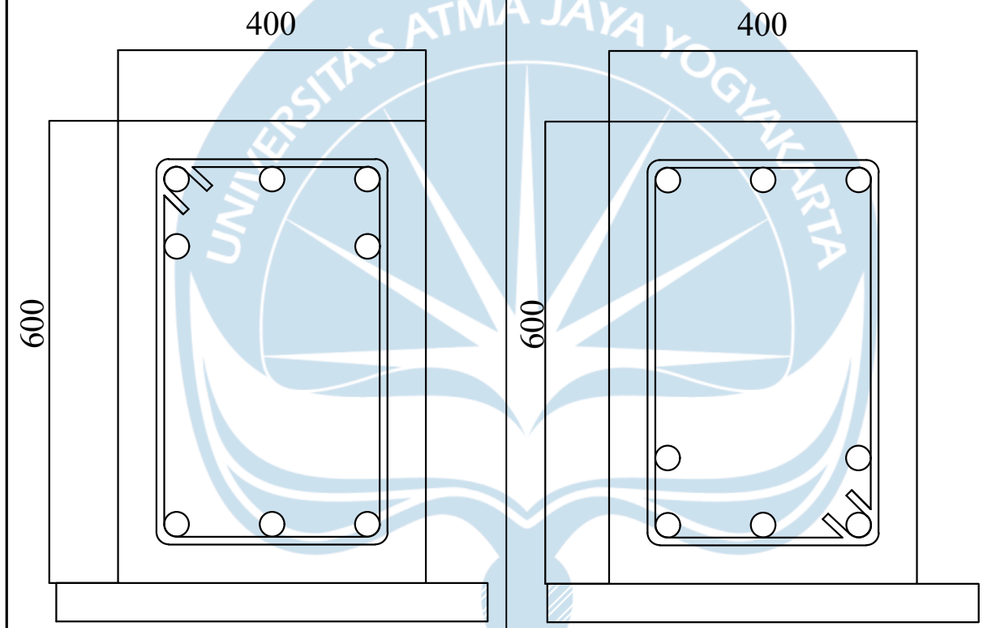
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SKALA GAMBAR	A3 1:50
No. GAMBAR	19 OF 23

SLOOF	FGY2/FGX2	
DIMENSI	400x600	
ELEVASI	EL.-0.300	
POSISI	TUMPUAN	LAPANGAN
POTONGAN		
TUL. ATAS	5 D16	3 D16
TUL. BAWAH	3 D16	5 D16
SENGKANG	D10 @150	D10 @200

Detail Potongan Sloof

Skala 1: 50

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UNIVERSITAS ATMA JAYA YOGYAKARTA

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GAMBAR

Potongan Sloof

NAMA KELOMPOK

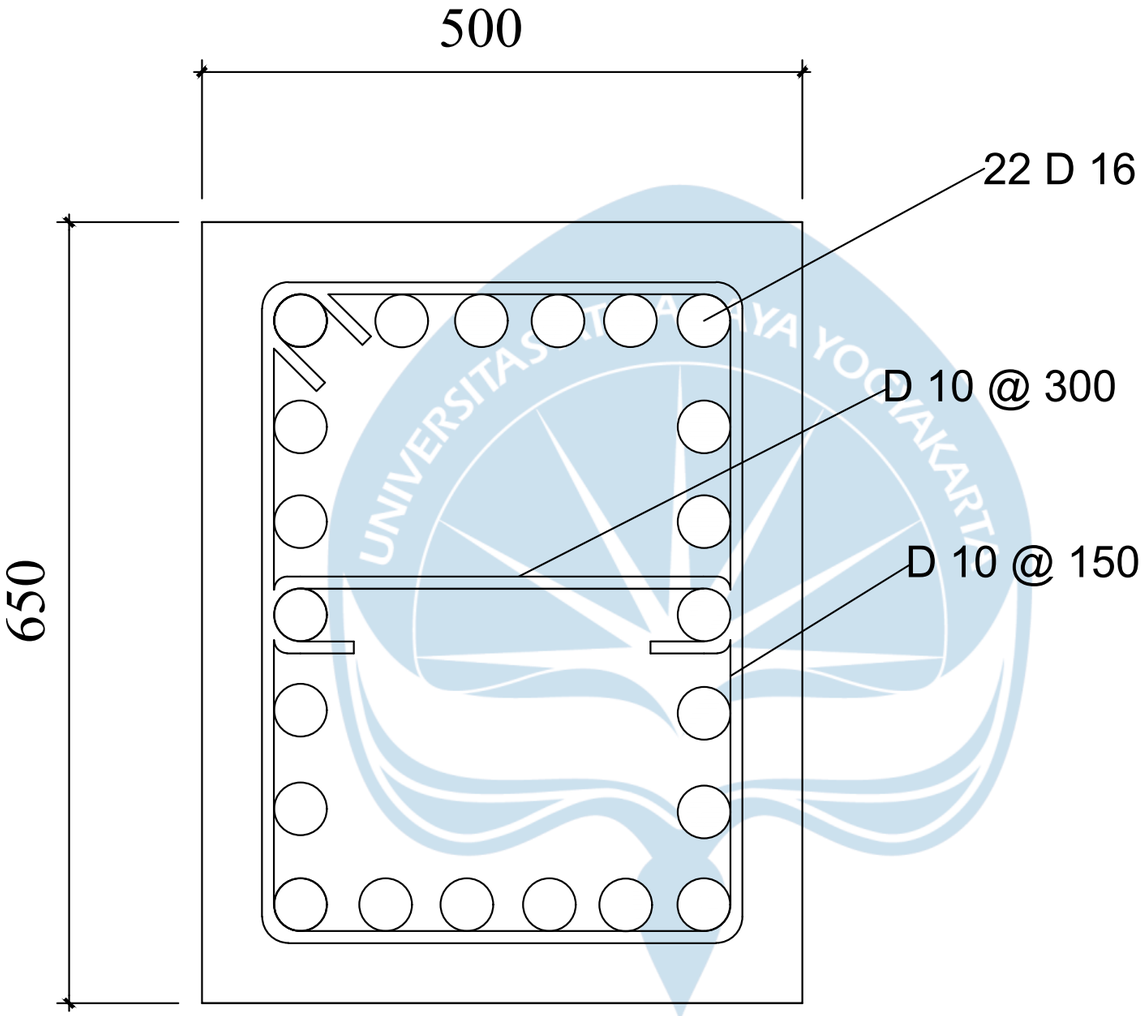
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SKALA GAMBAR	A3 1:50
No. GAMBAR	20 OF 23



Detail Potongan Kolom Pedestal

Skala 1 : 50

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UNIVERSITAS ATMA JAYA YOGYAKARTA

NAMA PROYEK

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PEKERJAAN

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Pekalongan, Jawa Tengah 51156.

GAMBAR

Potongan Kolom Pedestal

NAMA KELOMPOK

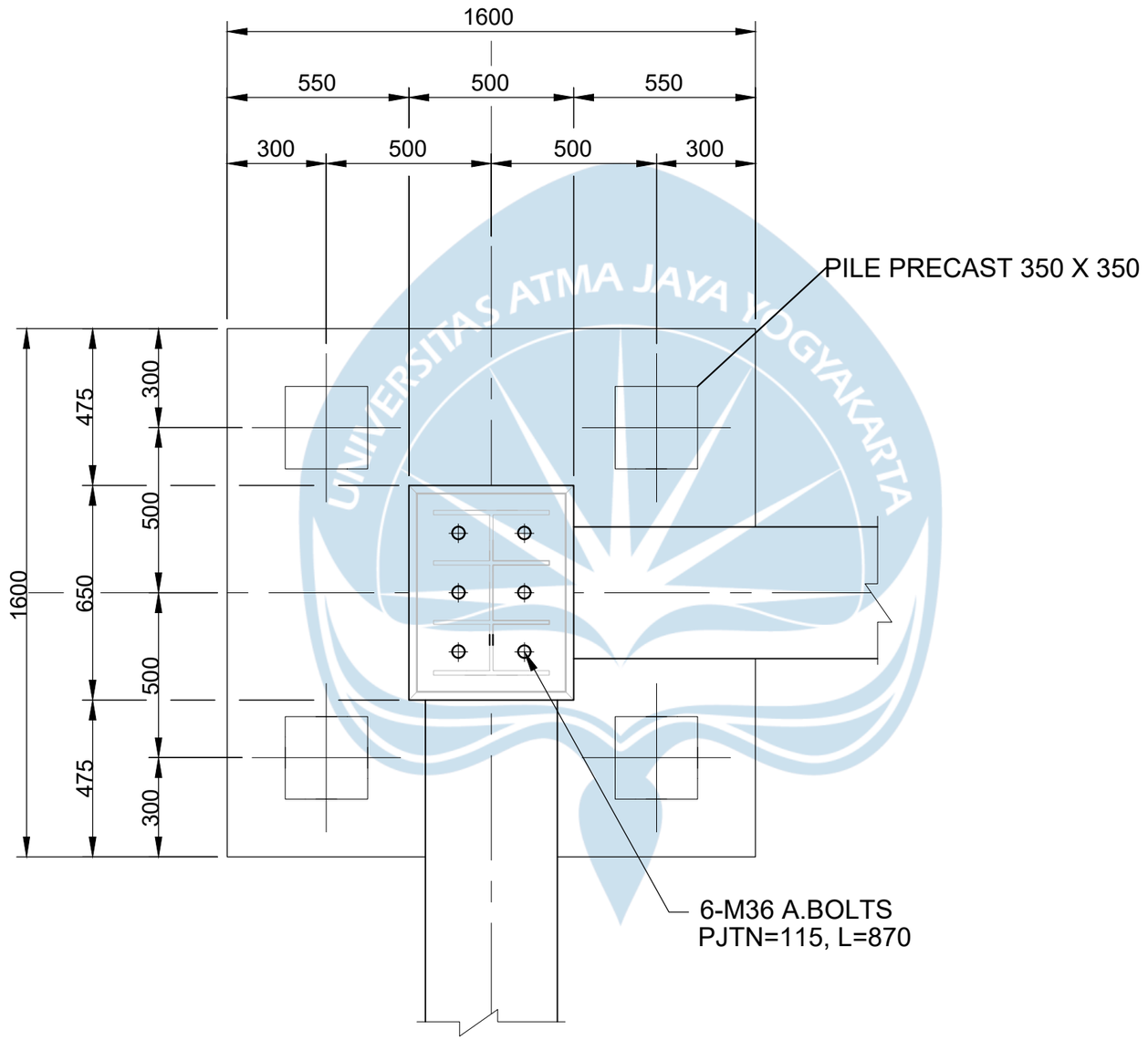
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TTD

SKALA GAMBAR	A3 1:50
No. GAMBAR	21 OF 23



Detail *Pile Cap*

Skala 1:50

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UNIVERSITAS ATMA JAYA YOGYAKARTA

NAMA PROYEK

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PEKERJAAN

Perancangan Pembangunan
Gedung *Canteen* (*F8*)

LOKASI

PCG Central Java Industrial Project,
Jl. Raya Bojong, Dukuh, Wangandowo,
Kecamatan Bojong, Kabupaten
Pekalongan, Jawa Tengah 51156.

GAMBAR

Detail *Pile Cap*

NAMA KELOMPOK

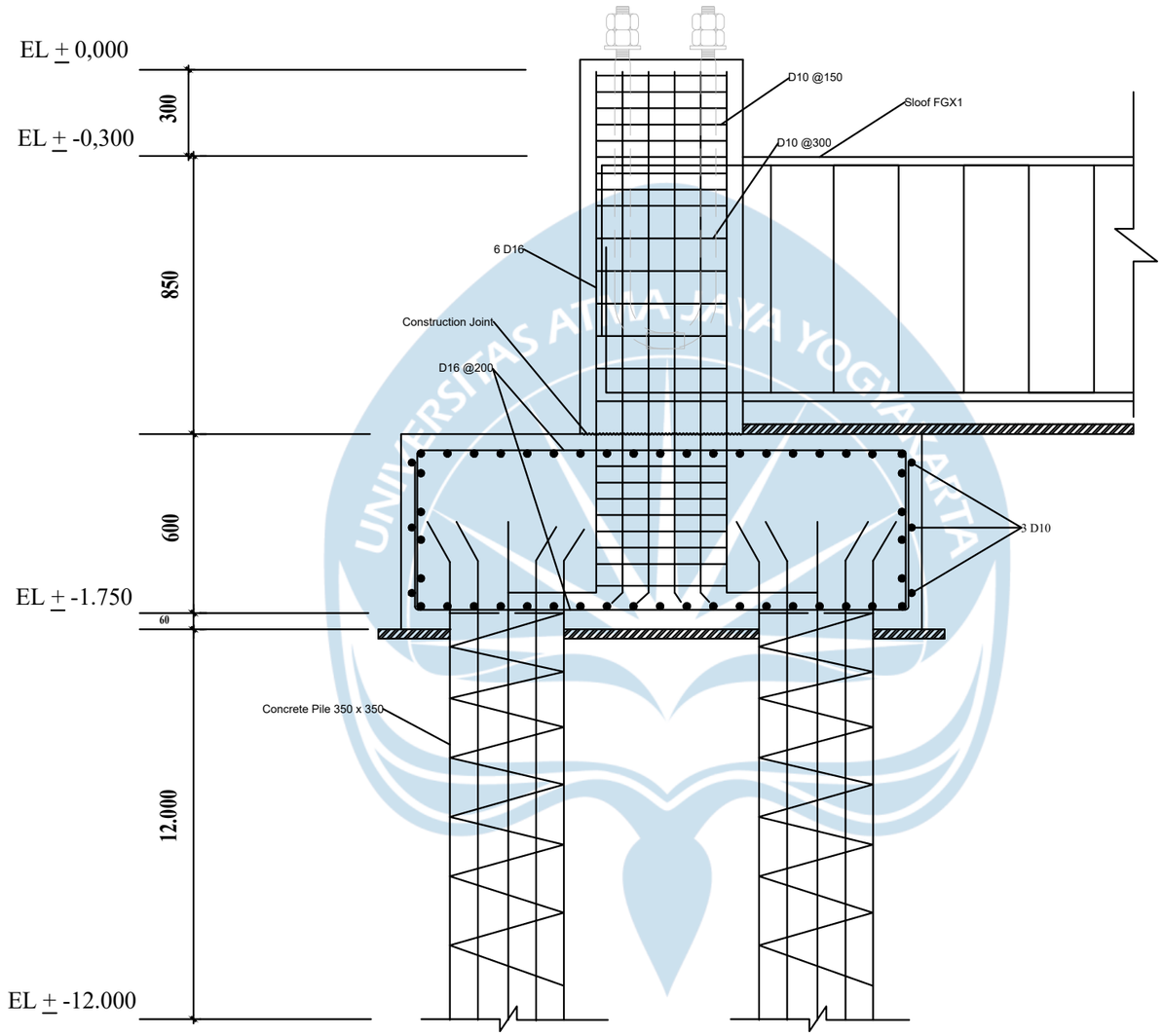
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DOSEN PEMBIMBING

1. Prof. Ir. AY Harijanto Setiawan, M.Eng., Ph.D.

TTD

SKALA GAMBAR	A3 1:50
No. GAMBAR	22 OF 23



Detail Kolom Pedestal dan Fondasi

Skala 1: 100

INSTANSI

FAKULTAS TEKNIK
JURUSAN TEKNIK SIPIL
UNIVERSITAS ATMA JAYA YOGYAKARTA

NAMA PROYEK

Gedung *Canteen* (*F8*)

PEKERJAAN

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LOKASI

PCG Central Java Industrial Project,
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Pekalongan, Jawa Tengah 51156.

GAMBAR

Detail Kolom Pedestal dan Fondasi

NAMA KELOMPOK

1. Dimas Hawu (210218465)
2. Eleazer J. Tikupadang (210218562)

DOSEN PEMBIMBING

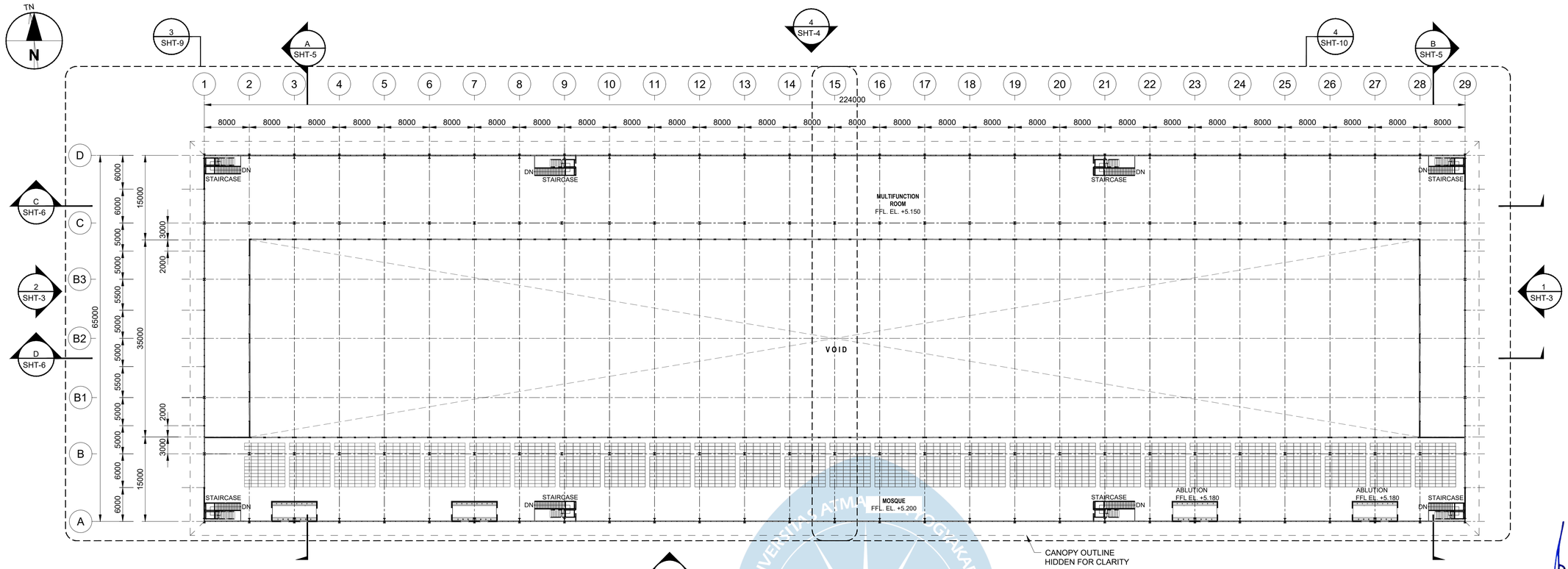
1. Prof. Ir. AY Harijanto Setiawan, M.Eng., Ph.D.

TTD

SKALA GAMBAR	A3 1:100
No. GAMBAR	23 OF 23

LAMPIRAN
ARSITEKTUR

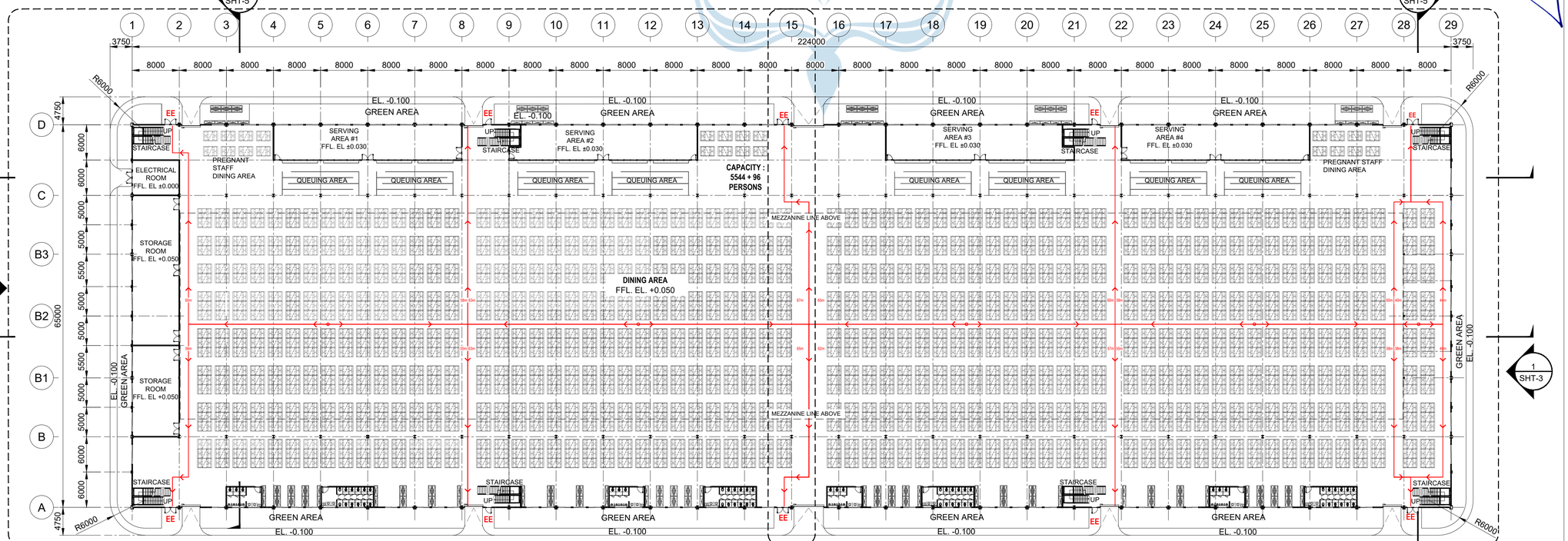
ISO A1 594mm x 841mm



FIRST FLOOR PLAN OVERALL

Scale 1:400

FOR CONSTRUCTION



GROUND FLOOR PLAN OVERALL

Scale 1:400

0 10000 20000 mm

1:400

AECOM

PROJECT

PCG CENTRAL JAVA
INDUSTRIAL PROJECT
PEKALONGAN FACTORY

CLIENT

HAI
PT. HARDASES ABADI INDONESIA

CONSULTANT

AECOM
PT. AECOM INDONESIA
South Quarter Building, Tower C 5th Floor
Jl. RA. Kartini Kav.8, Cilandak Barat
Jakarta Selatan 12430. Indonesia

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS NOTED OTHERWISE.
2. ALL ELEVATION ARE IN METERS.
3. FINISH FLOOR LEVEL (FFL) EL ±0.000 = EL.+29.400
   TOP OF CONCRETE (TOC) EL.±0.000 = EL.+29.350
4. FOR GENERAL NOTES REFER TO ARCHITECTURAL STANDARD DRAWING PCGCJF-0-UDA-AR-DET-001
5. ALL FURNITURE/EQUIPMENT DRAWING IS ONLY USE FOR INDICATED ROOM CAPACITY.

LEGEND :

EE EMERGENCY EXIT
→ EVACUATION ROUTE

REFERENCE DRAWINGS

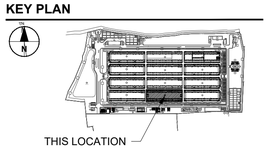
SITE LAYOUT	PCGCJF-0-OCB-AR-PLA-001
STRUCTURAL STANDARD DRAWINGS	PCGCJF-0-UDA-SC-DET-001
ARCHITECT STANDARD DRAWING	PCGCJF-0-UDA-AR-DET-001
CANTEEN BUILDING DETAILS	PCGCJF-0-UYD-AR-DET-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-SC-GNA-001
TITLE	DRAWING NO.

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REVISION

REV	DATE	DESCRIPTION	BY	CKD	APP
0	25/03/2022	ISSUED FOR CONSTRUCTION	TSW	RD	IHF

KEY PLAN



CONSULTANT JOB NUMBER

JKTD21044

DRAWING TITLE

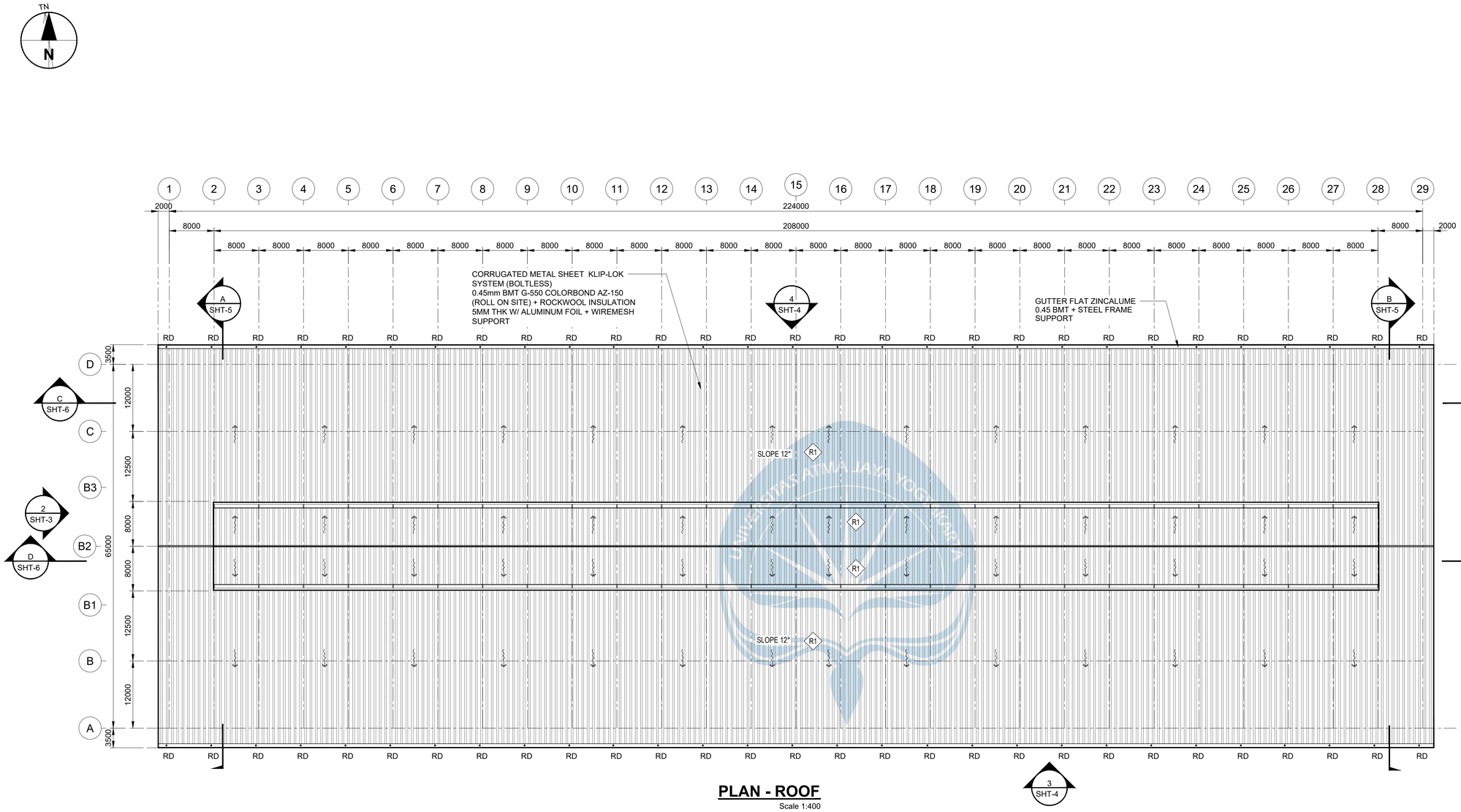
CANTEEN BUILDING
GENERAL ARRANGEMENT
PLAN GROUND FLOOR & 1ST FLOOR

DRAWING NO.

PCGCJF-0-UYD-AR-GNA-001

SCALE	SHEET	DATE	REV
1:400	1	25/03/2022	0

ISO A1 594mm x 841mm



PLAN - ROOF

Scale 1:400

FOR CONSTRUCTION

MATERIAL FINISH

ROOF :

R1 ALUMINIUM-ZINC CORRUGATED METAL ROOF WITH ROOF INSULATION

RD STAINLESS STEEL ROOF DRAIN Ø 6 INCH

0 10000 20000 mm

1:400

MATERIAL FINISH

1. FLOOR MATERIAL

- GENERAL : CONCRETE SLAB + TERRAZZO TILE 300x300MM
- TOILET : CONCRETE SLAB + SREED FLOOR + WATERPROOFING COATING + CERAMIC TILE 300X300MM UNPOLISHED
- GENERAL 1ST FLOOR : CONCRETE SLAB + FLOOR HARDENER 5KG/M2 (GREEN COLOR)
- MOSQUE : HOMOGENOUS TILE POLISH (600X600MM)

2. WALL MATERIAL

- GENERAL : AERATED AUTOCLAVED CONCRETE (AAC) 150MM THK. + PLASTERED WORK 20MM BOTH SIDE + SKIM COAT
- WALL PAINT FINISH
  - INTERNAL WALL : ACRYLIC EMULSION PAINT FINISH, 105 ~ 150 Micron
  - EXTERNAL WALL : WEATHERSHIELD PAINT FINISH, 105 ~ 150 Micron
  - TOILET WALL : WATERPROOFING COATING + CERAMIC 300X300mm POLISHED
- STEEL PAINT FINISH
  - MAIN STRUCTURE : EPOXY PAINT FINISH (STANDARD ISO C3 ANTI CORROSIVE) 250 MICRON
  - MILD STRUCTURE : EPOXY PAINT FINISH 150 MICRON

3. CEILING MATERIAL :

- GENERAL GROUND FLOOR : EXPOSED CEILING
- SERVING AREA : ACOUSTIC TILE CEILING 600X1200MM, WITH MAIN TEE ANGLED TEGULAR AND SUSPENDED ROD SYSTEM
- STORAGE ROOM : GYPSUM BOARD 9mm THK. W/METAL FURRING FRAME SUPPORT, INTERIOR PAINT FINISH
- 1ST FLOOR (MOSQUE) : ACOUSTIC TILE CEILING 600X1200MM, WITH MAIN TEE ANGLED TEGULAR AND SUSPENDED ROD SYSTEM
- 1ST FLOOR (MULTIFUNCTION ROOM) : EXPOSED CEILING
- GENERAL TOILET & ABLUTION ROOM : GYPSUM BOARD 9 MM THK. (WET TYPE) W/ METAL FURRING FRAME SUPPORT INTERIOR PAINT FINISH

4. ROOF MATERIAL :

- ROOF GENERAL : CORRUGATED METAL SHEET KLIP-LOK SYSTEM (BOLTLESS) 0.45mm BMT G-550 COLORBOND AZ-150 (ROLL ON SITE) + ROCKWOOL INSULATION 5MM THK W/ ALUMINUM FOIL + WIREMESH SUPPORT
- METAL FASCIA : CORRUGATED METAL SHEET TRIMDECK PROFILE 0.4mm BMT G-550 COLORBOND AZ-150
- ROOF CANOPY : CORRUGATED METAL SHEET KLIP-LOK SYSTEM (BOLTLESS) 0.45 BMT G-550 COLORBOND AZ-150
- GUTTER : FLAT ZINCALUME 0.45 BMT + STEEL FRAME SUPPORT

AECOM

PROJECT

PCG CENTRAL JAVA INDUSTRIAL PROJECT PEKALONGAN FACTORY

CLIENT

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NOTES

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REFERENCE DRAWINGS

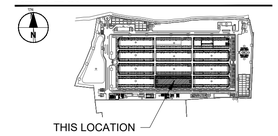
TITLE	DRAWING NO.
SITE LAYOUT	PCGCJF-0-OCB-AR-PLA-001
STRUCTURAL STANDARD DRAWINGS	PCGCJF-0-UDA-SC-DET-001
ARCHITECT STANDARD DRAWING	PCGCJF-0-UDA-AR-DET-001
CANTEEN BUILDING DETAILS	PCGCJF-0-UYD-AR-DET-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-SC-GNA-001

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KEY PLAN



CONSULTANT JOB NUMBER

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DRAWING TITLE

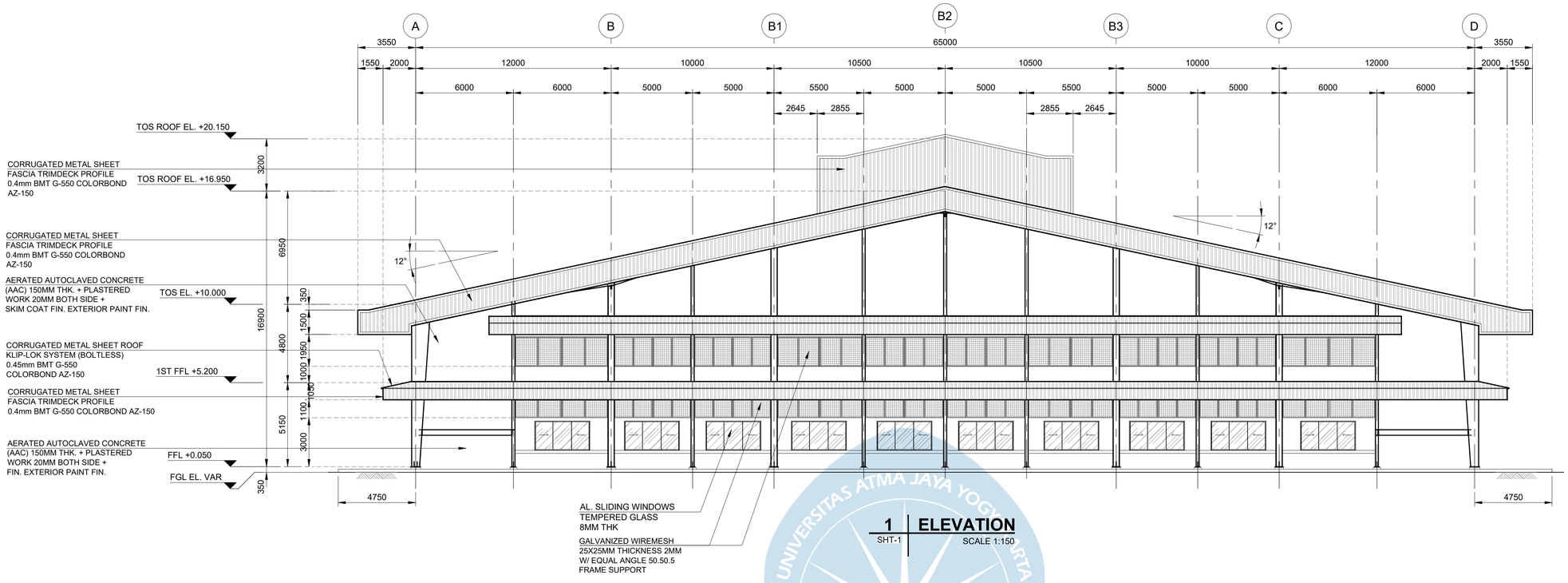
CANTEEN BUILDING
GENERAL ARRANGEMENT
PLAN ROOF & MATERIAL LIST

DRAWING NO.

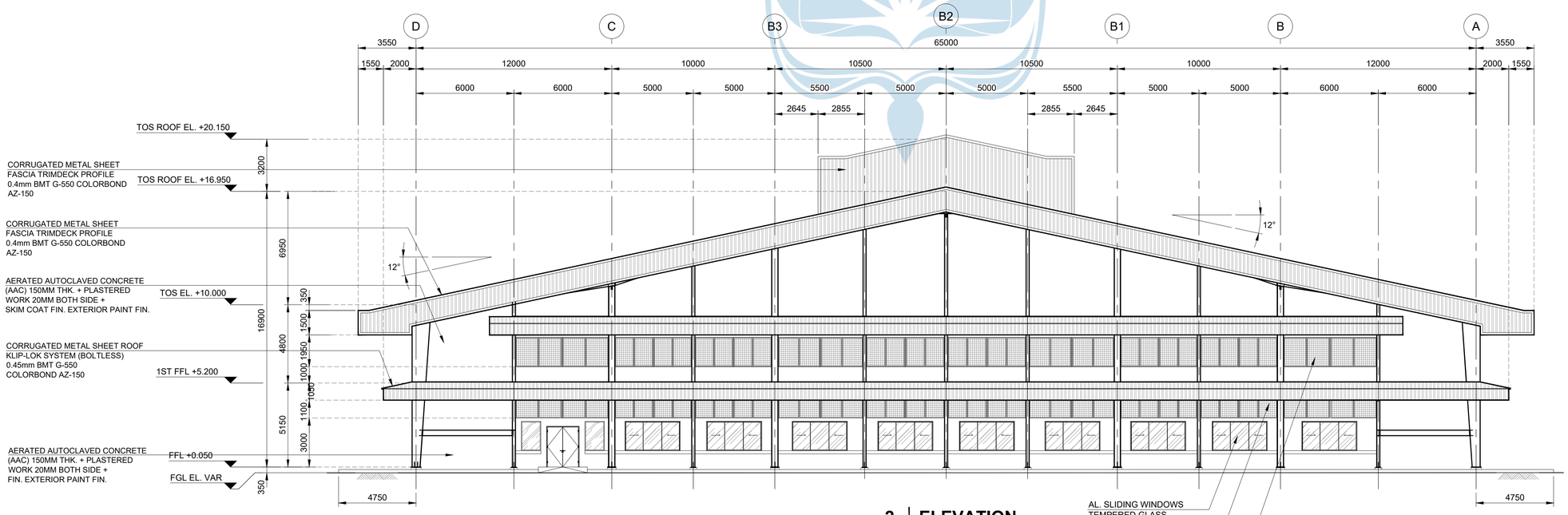
PCGCJF-0-UYD-AR-GNA-001

SCALE	SHEET	DATE	REV
1: 400	2	25/03/2022	0

ISO A1 594mm x 841mm



1 ELEVATION
SHT-1 SCALE 1:150



2 ELEVATION
SHT-1 SCALE 1:150

0 3750 7500 mm
1:150

FOR CONSTRUCTION

AECOM

PROJECT

PCG CENTRAL JAVA
INDUSTRIAL PROJECT
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REFERENCE DRAWINGS

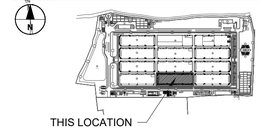
SITE LAYOUT	PCGCJF-0-OCB-AR-PLA-001
STRUCTURAL STANDARD DRAWING	PCGCJF-0-UDA-SC-DET-001
CIVIL STANDARD DRAWING	PCGCJF-0-UDA-CV-DET-001
ARCHITECT STANDARD DRAWING	PCGCJF-0-UDA-AR-DET-001
CANTEEN BUILDING DETAILS	PCGCJF-0-UYD-AR-DET-001
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KEY PLAN



CONSULTANT JOB NUMBER

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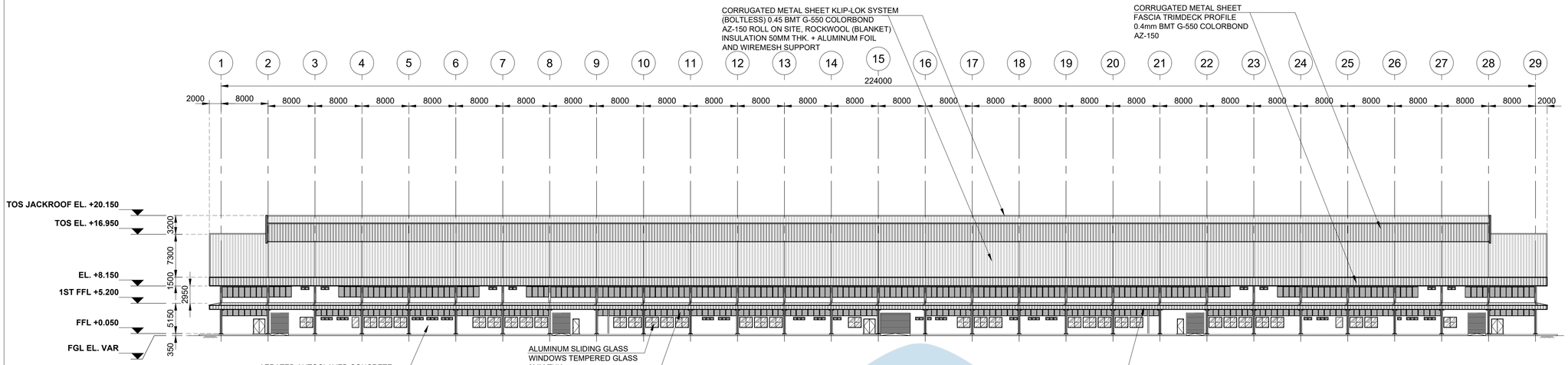
CANTEEN BUILDING
GENERAL ARRANGEMENT
ELEVATION #1

DRAWING NO.

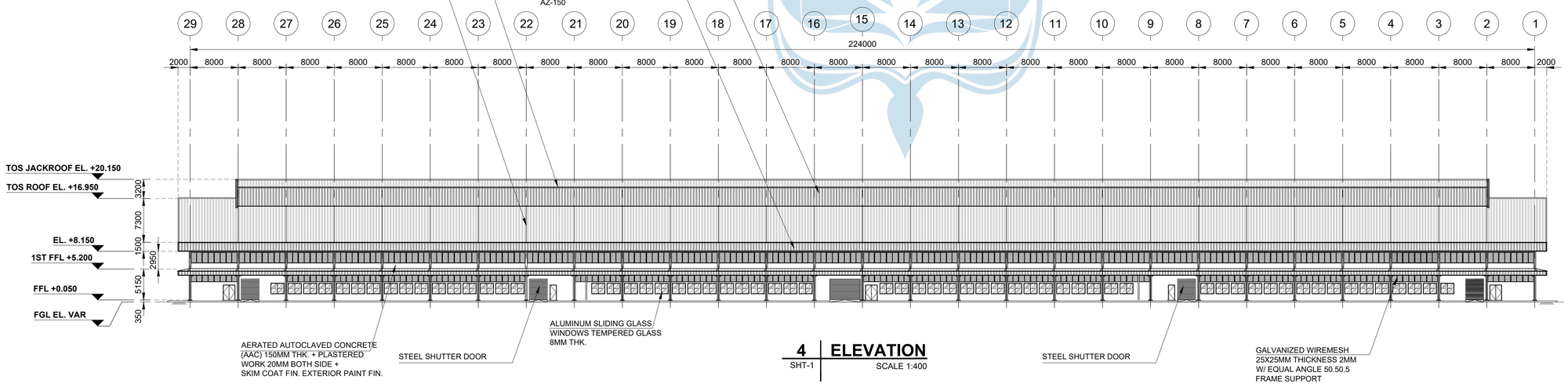
PCGCJF-0-UYD-AR-GNA-001

SCALE	SHEET	DATE	REV
1:150	3	25/03/2022	0

ISO A1 594mm x 841mm



3 ELEVATION
SHT-1 SCALE 1:400



4 ELEVATION
SHT-1 SCALE 1:400

0 10000 20000 mm
1:400

FOR CONSTRUCTION

AECOM

PROJECT

PCG CENTRAL JAVA
INDUSTRIAL PROJECT
PEKALONGAN FACTORY

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REFERENCE DRAWINGS

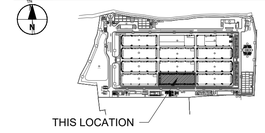
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STRUCTURAL STANDARD DRAWING	PCGCJF-0-UDA-SC-DET-001
CIVIL STANDARD DRAWING	PCGCJF-0-UDA-CV-DET-001
ARCHITECT STANDARD DRAWING	PCGCJF-0-UDA-AR-DET-001
CANTEEN BUILDING DETAILS	PCGCJF-0-UYD-AR-DET-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-SC-GNA-001
TITLE	DRAWING NO.

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REVISION

REV	DATE	DESCRIPTION	BY	CKD	APP
0	25/03/2022	ISSUED FOR CONSTRUCTION	TSW	RD	IHF

KEY PLAN



CONSULTANT JOB NUMBER

JKTD21044

DRAWING TITLE

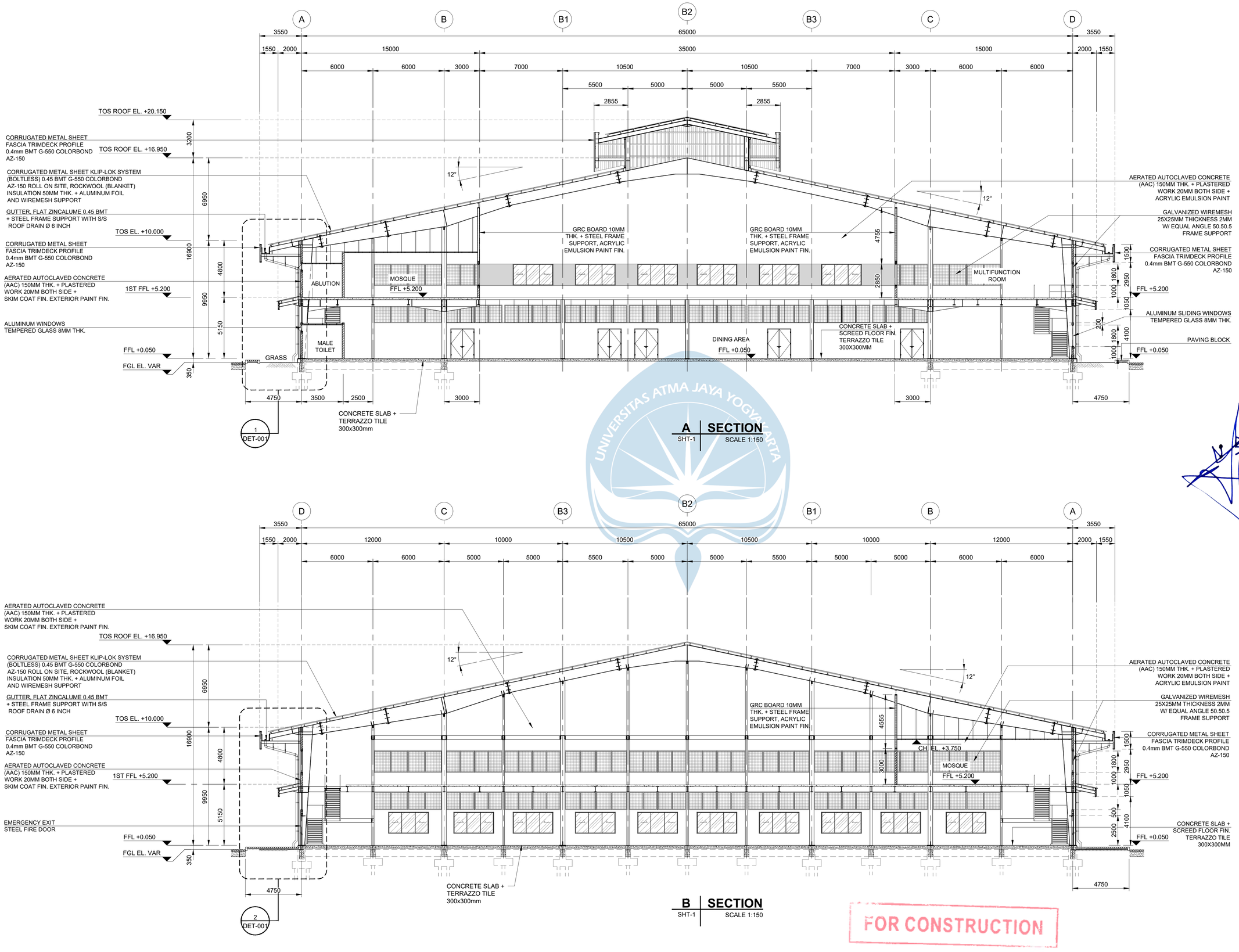
CANTEEN BUILDING
GENERAL ARRANGEMENT
ELEVATION #2

DRAWING NO.

PCGCJF-0-UYD-AR-GNA-001

SCALE	SHEET	DATE	REV
1:400	4	25/03/2022	0

ISO A1 594mm x 841mm



A | SECTION
SHT-1 SCALE 1:150

B | SECTION
SHT-1 SCALE 1:150

0 3750 7500 mm
1:150

FOR CONSTRUCTION

AECOM

PROJECT

PCG CENTRAL JAVA
INDUSTRIAL PROJECT
PEKALONGAN FACTORY

CLIENT

HAI
PT. HARDASES ABADI INDONESIA

CONSULTANT

AECOM
PT. AECOM INDONESIA
South Quarter Building, Tower C 5th Floor
Jl. RA. Kartini Kav.8, Cilandak Barat
Jakarta Selatan 12430. Indonesia

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS NOTED OTHERWISE.
2. ALL ELEVATION ARE IN METERS.
3. FOR OTHER NOTES REFER TO DWG NO. PCGCJF-0-UYD-AR-GNA-001 SHEET-1.

REFERENCE DRAWINGS

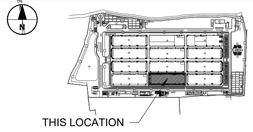
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STRUCTURAL STANDARD DRAWING	PCGCJF-0-UDA-SC-DET-001
CIVIL STANDARD DRAWING	PCGCJF-0-UDA-CV-DET-001
ARCHITECT STANDARD DRAWING	PCGCJF-0-UDA-AR-DET-001
CANTEEN BUILDING DETAILS	PCGCJF-0-UYD-AR-DET-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-SC-GNA-001
TITLE	DRAWING NO.

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REVISION

REV	DATE	DESCRIPTION	BY	CKD	APP
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KEY PLAN



CONSULTANT JOB NUMBER

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DRAWING TITLE

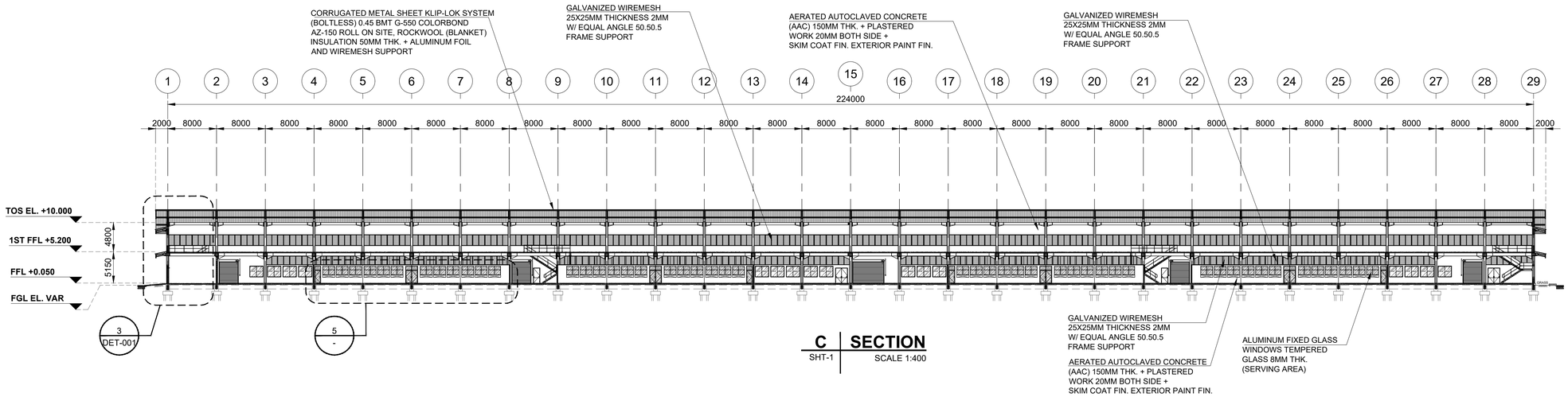
CANTEEN BUILDING
GENERAL ARRANGEMENT
SECTION #1

DRAWING NO.

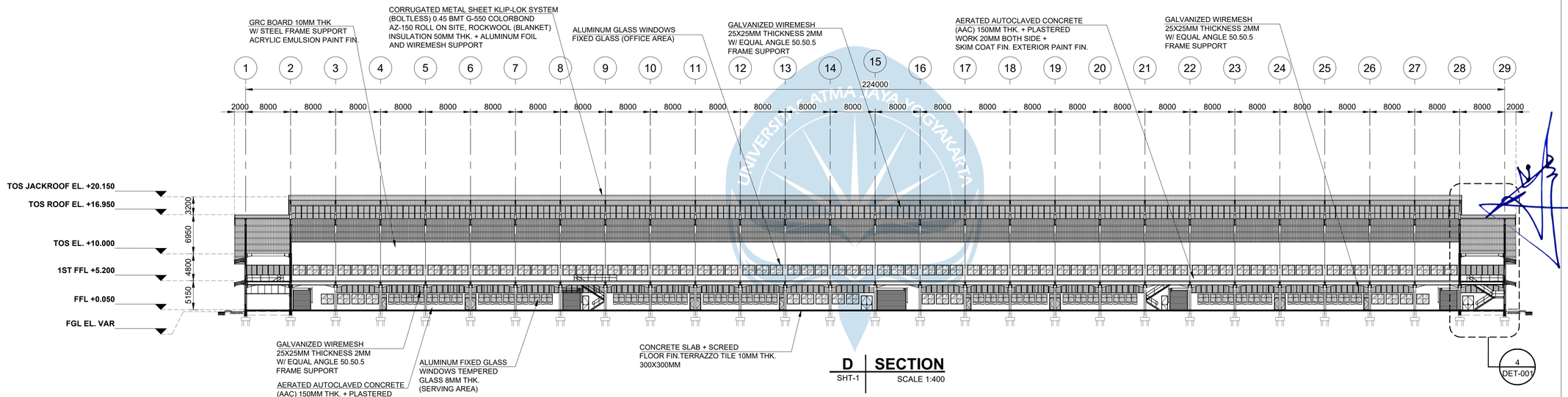
PCGCJF-0-UYD-AR-GNA-001

SCALE	SHEET	DATE	REV
1:150	5	25/03/2022	0

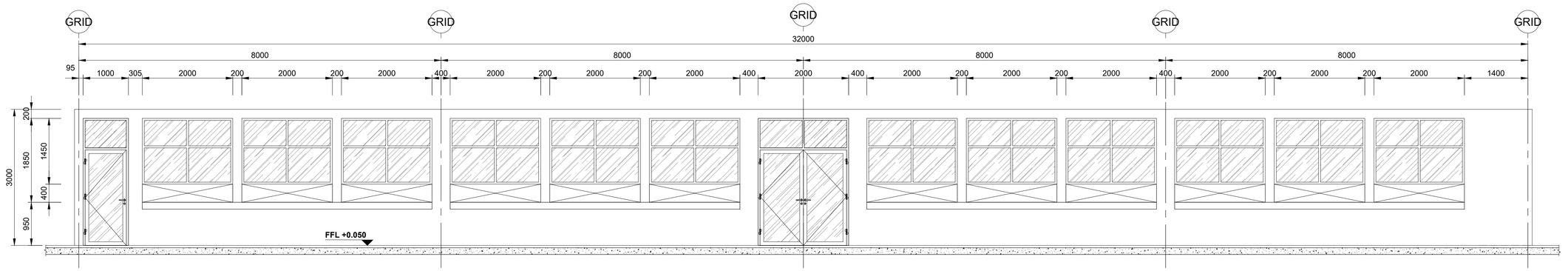
ISO A1 594mm x 841mm



C | SECTION
SHT-1 | SCALE 1:400



D | SECTION
SHT-1 | SCALE 1:400



5 | DETAIL
- | SCALE 1:50

(FOR SERVING AREA)

FOR CONSTRUCTION

0 10000 20000 mm
1:400

0 1250 2500 mm
1:50

AECOM

PROJECT

PCG CENTRAL JAVA
INDUSTRIAL PROJECT
PEKALONGAN FACTORY

CLIENT

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Jakarta Selatan 12430. Indonesia

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REFERENCE DRAWINGS

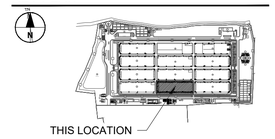
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STRUCTURAL STANDARD DRAWING	PCGCJF-0-UDA-SC-DET-001
CIVIL STANDARD DRAWING	PCGCJF-0-UDA-CV-DET-001
ARCHITECT STANDARD DRAWING	PCGCJF-0-UDA-AR-DET-001
CANTEEN BUILDING DETAILS	PCGCJF-0-UYD-AR-DET-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-SC-GNA-001
TITLE	DRAWING NO.

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REVISION

REV	DATE	DESCRIPTION	BY	CKD	APP
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KEY PLAN



CONSULTANT JOB NUMBER

JKTD21044

DRAWING TITLE

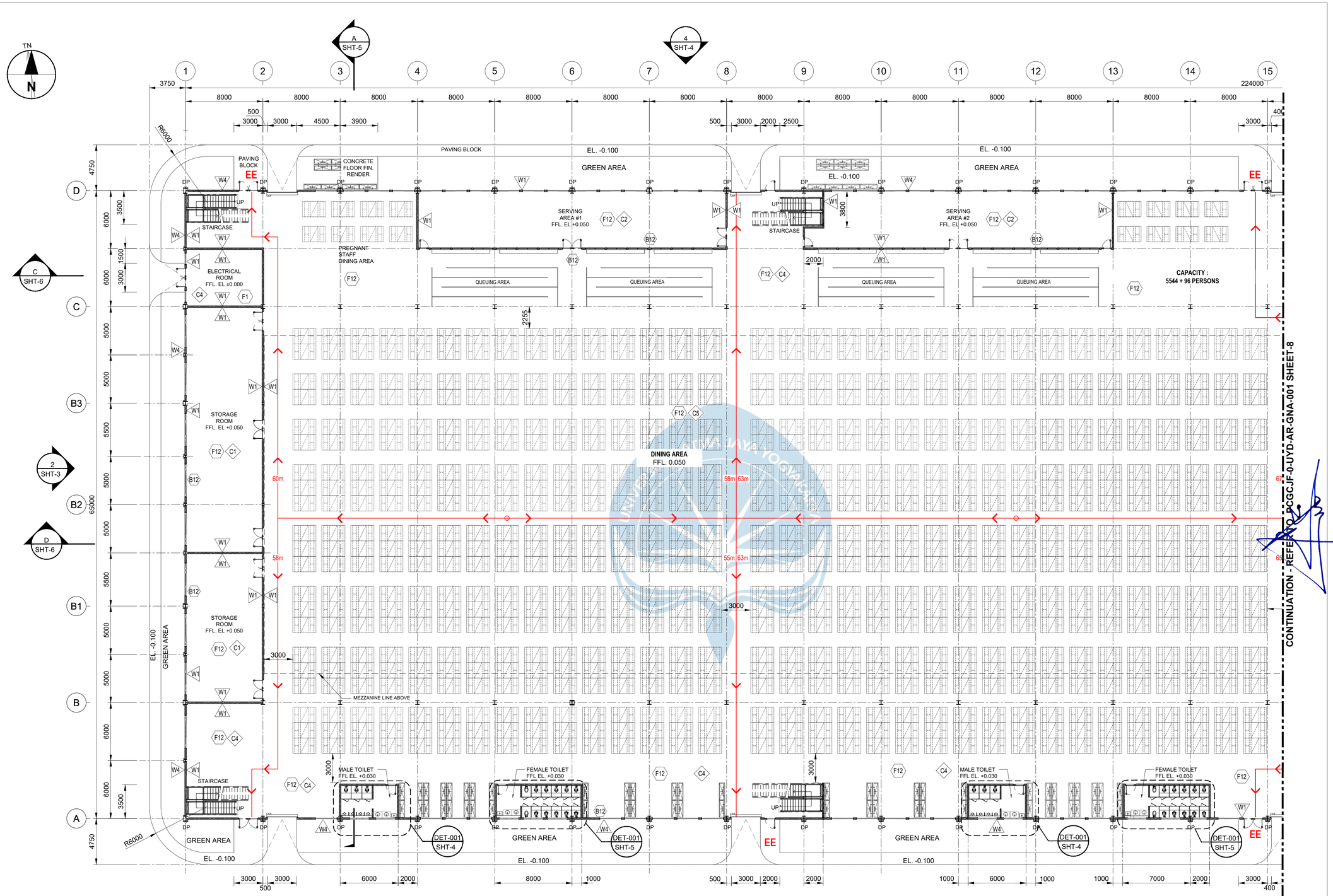
CANTEEN BUILDING
GENERAL ARRANGEMENT
SECTION #2

DRAWING NO.

PCGCJF-0-UYD-AR-GNA-001

SCALE	SHEET	DATE	REV
AS SHOWN	6	25/03/2022	0

ISO A1 594mm x 841mm



1 | PLAN ENLARGED - GROUND FLOOR PART 1 OF 2

SHT-1 | SCALE 1:200

FOR CONSTRUCTION

MATERIAL FINISH

FLOOR :
- F1 CONCRETE FLOOR W/ EPOXY FLOOR HARDENER POWDER 5kg/m2
- F12 TERRAZZO TILE 300x300MM

BASE PLINTH :
- B1 STANDARD EPOXY FLOOR COATING
- B12 SKIRTING (W) 300 X (H) 100MM TERAZZO TILE 100mm HEIGHT

WALL ::
- W1 AAC BLOCK 150MM THK + PLASTERED WORK WITH ACRYLIC EMULSION PAINT FINISH
- W4 AAC BLOCK 150MM THK. + PLASTER WITH EXTERIOR PAINT FINISH

CEILING :
- C1 GYPSUM BOARD 9MM THK. W/METAL FURRING FRAME SUPPORT, INTERIOR PAINT FINISH
- C4 ACOUSTIC TILE CEILING 1200x2400mm WITH METAL FRAME SUPPORT
- C4 EXPOSED CEILING CONCRETE W/ SKIM COAT FINISH
- C5 EXPOSED CEILING ROOF MATERIAL

0 5000 10000 mm
1:200

AECOM

PROJECT

PCG CENTRAL JAVA INDUSTRIAL PROJECT PEKALONGAN FACTORY

CLIENT

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PT. HARDASES ABADI INDONESIA

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PT. AECOM INDONESIA
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Jl. RA. Kartini Kav.8, Cilandak Barat
Jakarta Selatan 12430. Indonesia

NOTES

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3. FOR OTHER NOTES REFER TO DWG NO. PCGCJF-0-UYD-AR-GNA-001 SHEET-1.

LEGEND :

EE	EMERGENCY EXIT
→	EVACUATION ROUTE
DP	DOWN PIPE PVC Ø6 INCH, WITH BRACKET 3x32mm

REFERENCE DRAWINGS

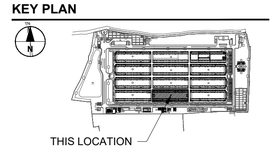
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STRUCTURAL STANDARD DRAWINGS	PCGCJF-0-UDA-SC-DET-001
ARCHITECT STANDARD DRAWING	PCGCJF-0-UDA-AR-DET-001
CANTEEN BUILDING DETAILS	PCGCJF-0-UYD-AR-DET-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-SC-GNA-001
TITLE	DRAWING NO.

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REVISION

REV	DATE	DESCRIPTION	BY	CKD	APP
0	25/03/2022	ISSUED FOR CONSTRUCTION	TSW	RD	IHF

KEY PLAN



CONSULTANT JOB NUMBER

JKTD21044

DRAWING TITLE

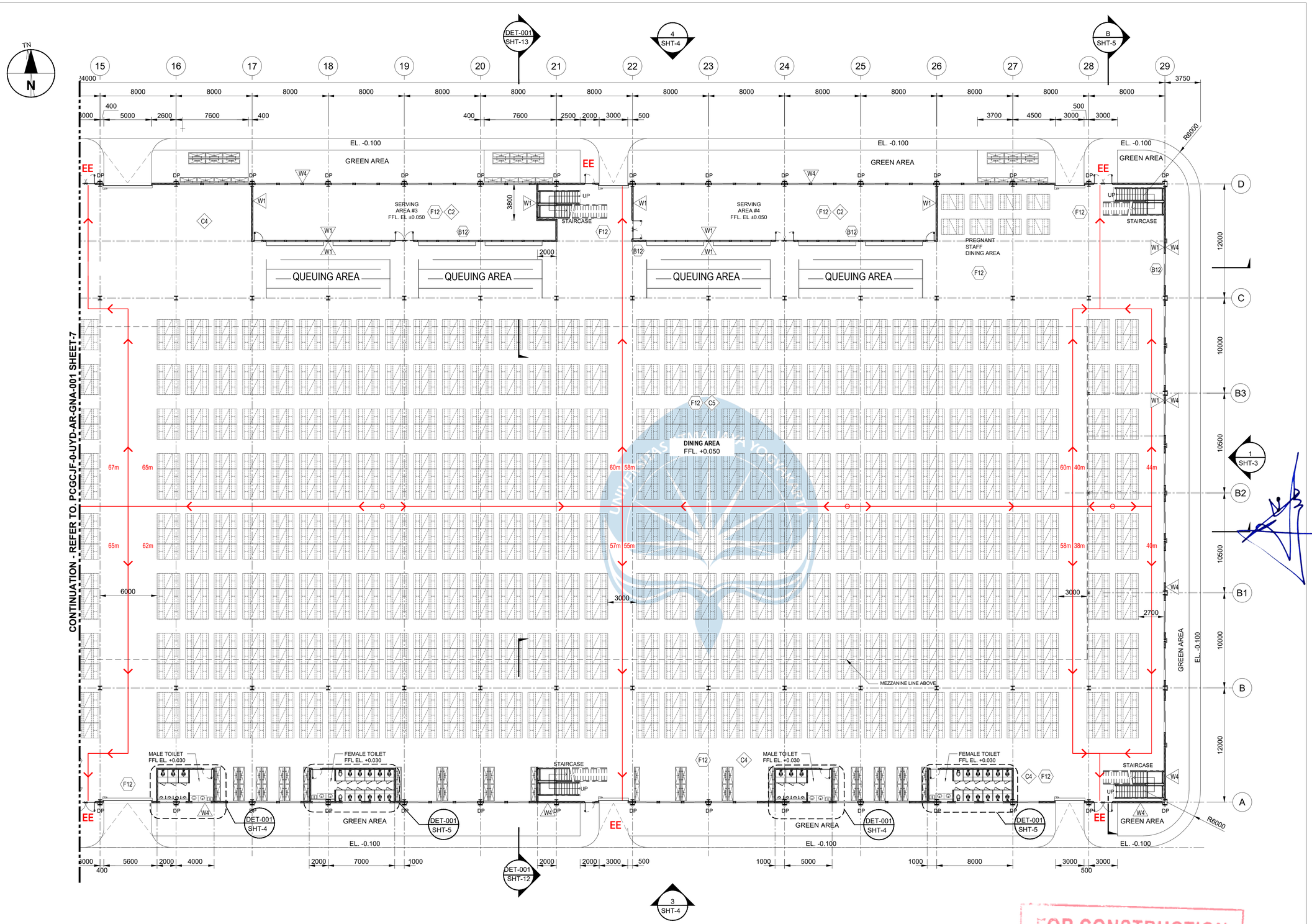
CANTEEN BUILDING
GENERAL ARRANGEMENT
ENLARGED PLAN & FINISHING MATERIAL #1

DRAWING NO.

PCGCJF-0-UYD-AR-GNA-001

SCALE	SHEET	DATE	REV
1:200	7	25/03/2022	0

ISO A1 594mm x 841mm



2 | GROUND FLOOR PLAN - PART 2 OF 2

SHT-1 | SCALE 1:200

FOR CONSTRUCTION

MATERIAL FINISH

FLOOR :
- F1 CONCRETE FLOOR W/ EPOXY FLOOR HARDENER POWDER 5kg/m2
- F12 TERRAZZO TILE 300x300MM

BASE PLINTH :
- B1 STANDARD EPOXY FLOOR COATING
- B12 SKIRTING (W) 300 X (H) 100MM TERAZZO TILE 100mm HEIGHT

WALL ::
- W1 AAC BLOCK 150MM THK + PLASTERED WORK WITH ACRYLIC EMULSION PAINT FINISH
- W4 AAC BLOCK 150MM THK. + PLASTER WITH EXTERIOR PAINT FINISH

CEILING :
- C2 ACOUSTIC TILE CEILING 1200x2400mm WITH METAL FRAME SUPPORT
- C4 EXPOSED CEILING CONCRETE W/ SKIM COAT FINISH
- C5 EXPOSED CEILING ROOF MATERIAL

0 5000 10000 mm
1:200

AECOM

PROJECT

PCG CENTRAL JAVA INDUSTRIAL PROJECT PEKALONGAN FACTORY

CLIENT

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PT. HARDASES ABADI INDONESIA

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PT. AECOM INDONESIA
South Quarter Building, Tower C 5th Floor
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Jakarta Selatan 12430. Indonesia

NOTES

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2. ALL ELEVATION ARE IN METERS.
3. FOR OTHER NOTES REFER TO DWG NO. PCGCJF-0-UYD-AR-GNA-001 SHEET-1.

LEGEND :

EE	EMERGENCY EXIT
→	EVACUATION ROUTE
DP	DOWN PIPE PVC Ø6 INCH, WITH BRACKET 3x32mm

REFERENCE DRAWINGS

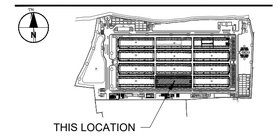
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STRUCTURAL STANDARD DRAWINGS	PCGCJF-0-UDA-SC-DET-001
ARCHITECT STANDARD DRAWING	PCGCJF-0-UDA-AR-DET-001
CANTEEN BUILDING DETAILS	PCGCJF-0-UYD-AR-DET-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-SC-GNA-001
TITLE	DRAWING NO.

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REVISION

REV	DATE	DESCRIPTION	BY	CKD	APP
0	25/03/2022	ISSUED FOR CONSTRUCTION	TSW	RD	IHF

KEY PLAN



CONSULTANT JOB NUMBER

JKTD21044

DRAWING TITLE

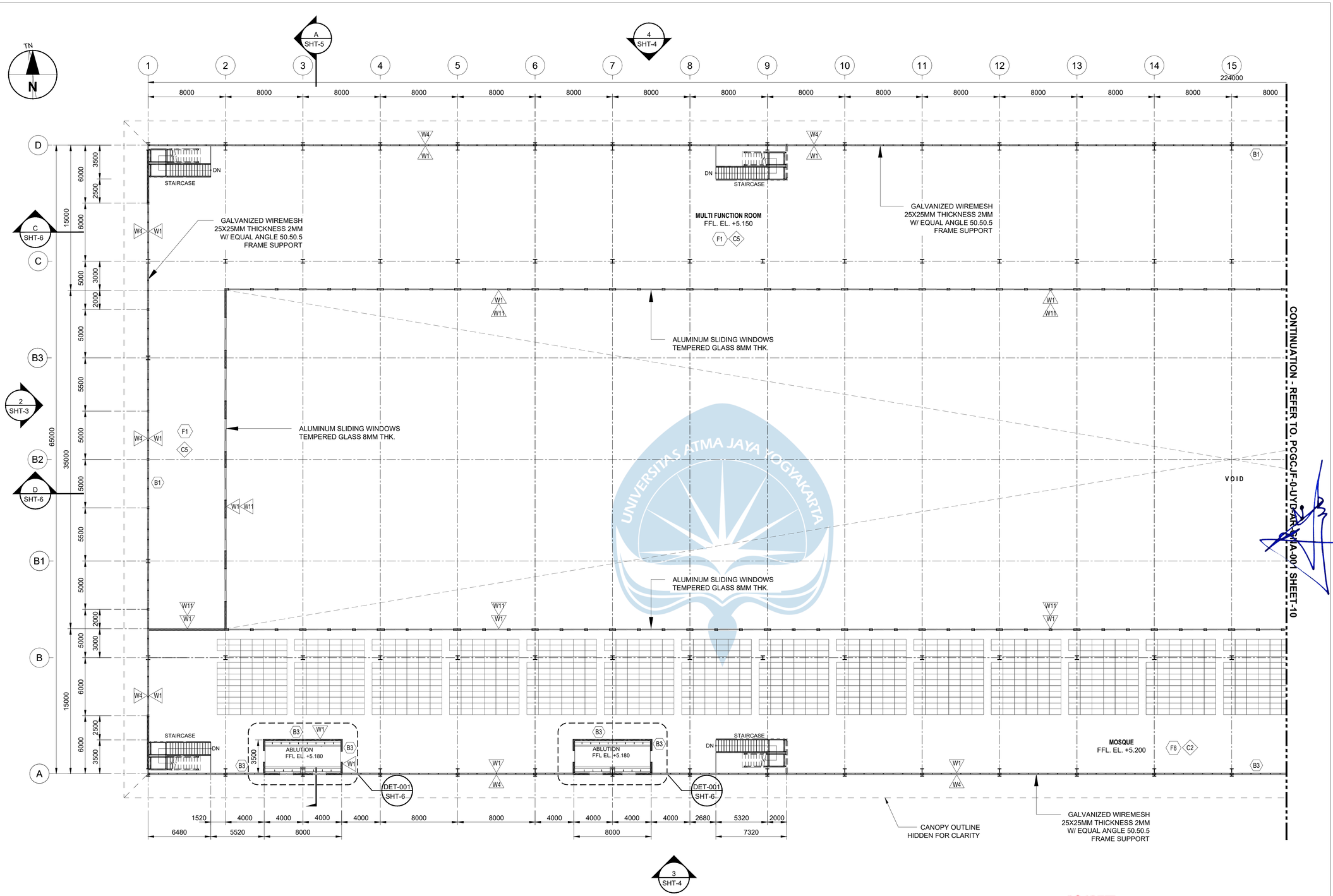
CANTEEN BUILDING
GENERAL ARRANGEMENT
ENLARGED PLAN & FINISHING MATERIAL #2

DRAWING NO.

PCGCJF-0-UYD-AR-GNA-001

SCALE	SHEET	DATE	REV
1:200	8	25/03/2022	0

ISO A1 594mm x 841mm



3 | PLAN ENLARGED - FIRST FLOOR PART 1 OF 2

SHT-1

SCALE 1:200

FOR CONSTRUCTION

MATERIAL FINISH

FLOOR :

- F1 CONCRETE FLOOR HARDENER 5KG/m2 GREEN COLOR
- F8 HOMOGENOUS TILE POLISH (600X600MM)

BASE PLINTH :

- B1 STANDARD EPOXY FLOOR COATING
- B3 SKIRTING (W) 600 X (H) 100MM TILE POLISH 100mm HEIGHT

WALL :

- W1 AAC BLOCK 150MM THK + PLASTERED WORK WITH ACRYLIC EMULSION PAINT FINISH
- W4 AAC BLOCK 150MM THK. + PLASTER WITH EXTERIOR PAINT FINISH
- W11 GRC BOARD 10mm THK + STEEL FRAME SUPPORT, ACRYLIC EMULSION PAINT FINISH

CEILING :

- C2 ACOUSTIC TILE CEILING 1200x2400mm WITH METAL FRAME SUPPORT
- C3 GYPSUM BOARD CEILING 9MM THK. (WET TYPE) + INTERIOR PAINT FINISH
- C5 EXPOSE CEILING

0 5000 10000 mm

1:200

AECOM

PROJECT

PCG CENTRAL JAVA
INDUSTRIAL PROJECT
PEKALONGAN FACTORY

CLIENT

HAI

PT. HARDASES ABADI INDONESIA

CONSULTANT

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Jakarta Selatan 12430. Indonesia

NOTES

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REFERENCE DRAWINGS

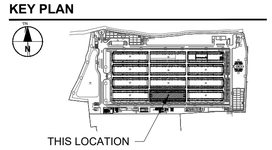
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STRUCTURAL STANDARD DRAWINGS	PCGCJF-0-UDA-SC-DET-001
ARCHITECT STANDARD DRAWING	PCGCJF-0-UDA-AR-DET-001
CANTEEN BUILDING DETAILS	PCGCJF-0-UYD-AR-DET-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-SC-GNA-001
TITLE	DRAWING NO.

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REV	DATE	DESCRIPTION	BY	CKD	APP
0	25/03/2022	ISSUED FOR CONSTRUCTION	TSW	RD	IHF

KEY PLAN



CONSULTANT JOB NUMBER

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DRAWING TITLE

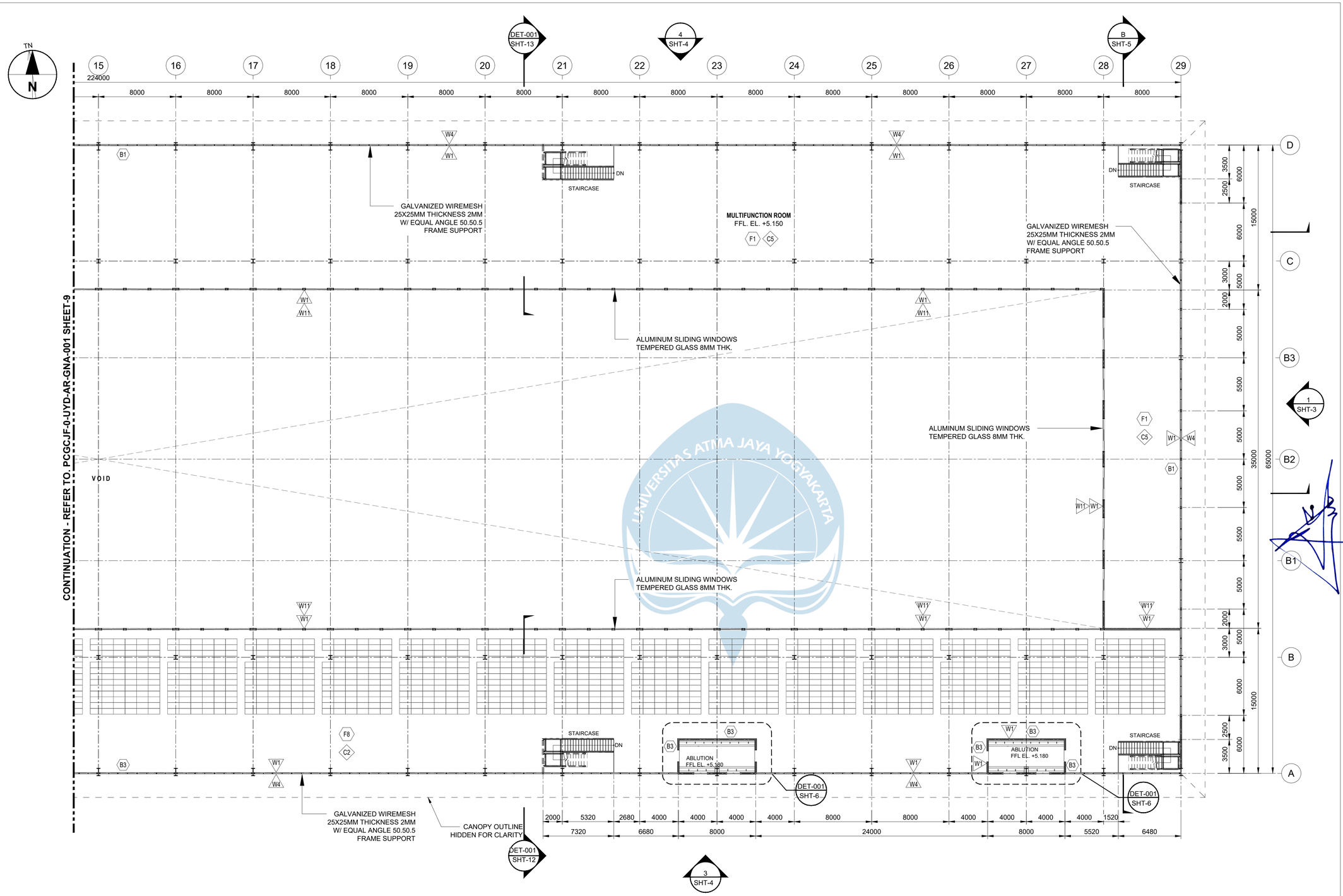
CANTEEN BUILDING
GENERAL ARRANGEMENT
ENLARGED PLAN & FINISHING MATERIAL #3

DRAWING NO.

PCGCJF-0-UYD-AR-GNA-001

SCALE	SHEET	DATE	REV
1:200	9	25/03/2022	0

ISO A1 594mm x 841mm



4 | PLAN ENLARGED - FIRST FLOOR PART 2 OF 2

SHT-1

SCALE 1:200

FOR CONSTRUCTION

MATERIAL FINISH

FLOOR :

- F1 CONCRETE FLOOR HARDENER 5KG/m2 GREEN COLOR
- F8 HOMOGENOUS TILE POLISH (600X600MM)

BASE PLINTH :

- B1 STANDARD EPOXY FLOOR COATING
- B3 SKIRTING (W) 600 X (H) 100MM TILE POLISH 100mm HEIGHT

WALL :

- W1 AAC BLOCK 150MM THK + PLASTERED WORK WITH ACRYLIC EMULSION PAINT FINISH
- W4 AAC BLOCK 150MM THK. + PLASTER WITH EXTERIOR PAINT FINISH
- W11 GRC BOARD 10mm THK + STEEL FRAME SUPPORT, ACRYLIC EMULSION PAINT FINISH

CEILING :

- C2 ACOUSTIC TILE CEILING 1200x2400mm WITH METAL FRAME SUPPORT
- C3 GYPSUM BOARD CEILING 9MM THK. (WET TYPE) + INTERIOR PAINT FINISH
- C5 EXPOSE CEILING

0 5000 10000 mm

1:200

AECOM

PROJECT

PCG CENTRAL JAVA
INDUSTRIAL PROJECT
PEKALONGAN FACTORY

CLIENT

HAI
PT. HARDASES ABADI INDONESIA

CONSULTANT

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South Quarter Building, Tower C 5th Floor
Jl. RA. Kartini Kav.8, Cilandak Barat
Jakarta Selatan 12430. Indonesia

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REFERENCE DRAWINGS

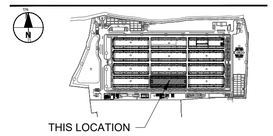
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STRUCTURAL STANDARD DRAWINGS	PCGCJF-0-UDA-SC-DET-001
ARCHITECT STANDARD DRAWING	PCGCJF-0-UDA-AR-DET-001
CANTEEN BUILDING DETAILS	PCGCJF-0-UYD-AR-DET-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-SC-GNA-001

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REV	DATE	DESCRIPTION	BY	CKD	APP
0	25/03/2022	ISSUED FOR CONSTRUCTION	TSW	RD	IHF

KEY PLAN



CONSULTANT JOB NUMBER

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DRAWING TITLE

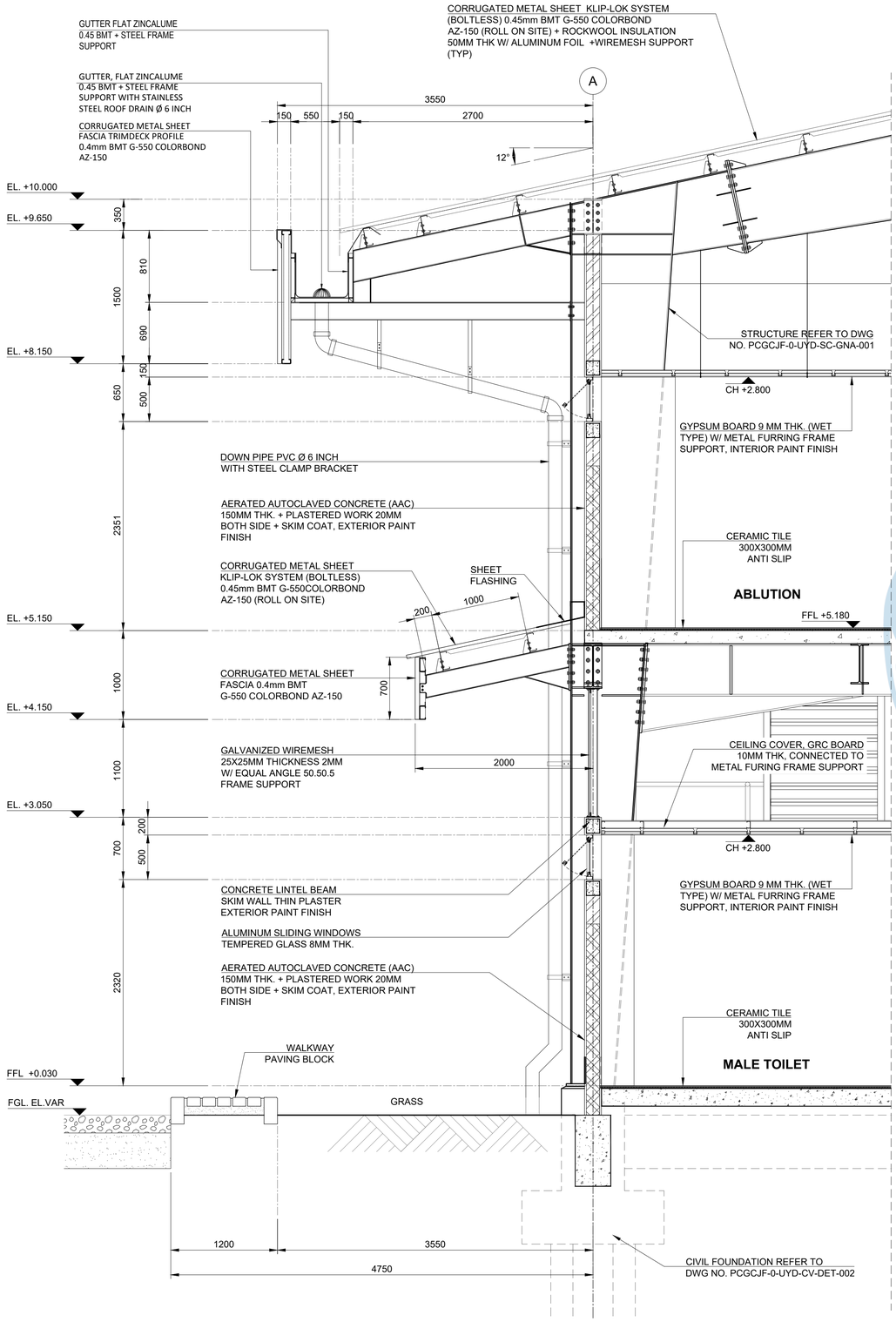
CANTEEN BUILDING
GENERAL ARRANGEMENT
ENLARGED PLAN & FINISHING MATERIAL #4

DRAWING NO.

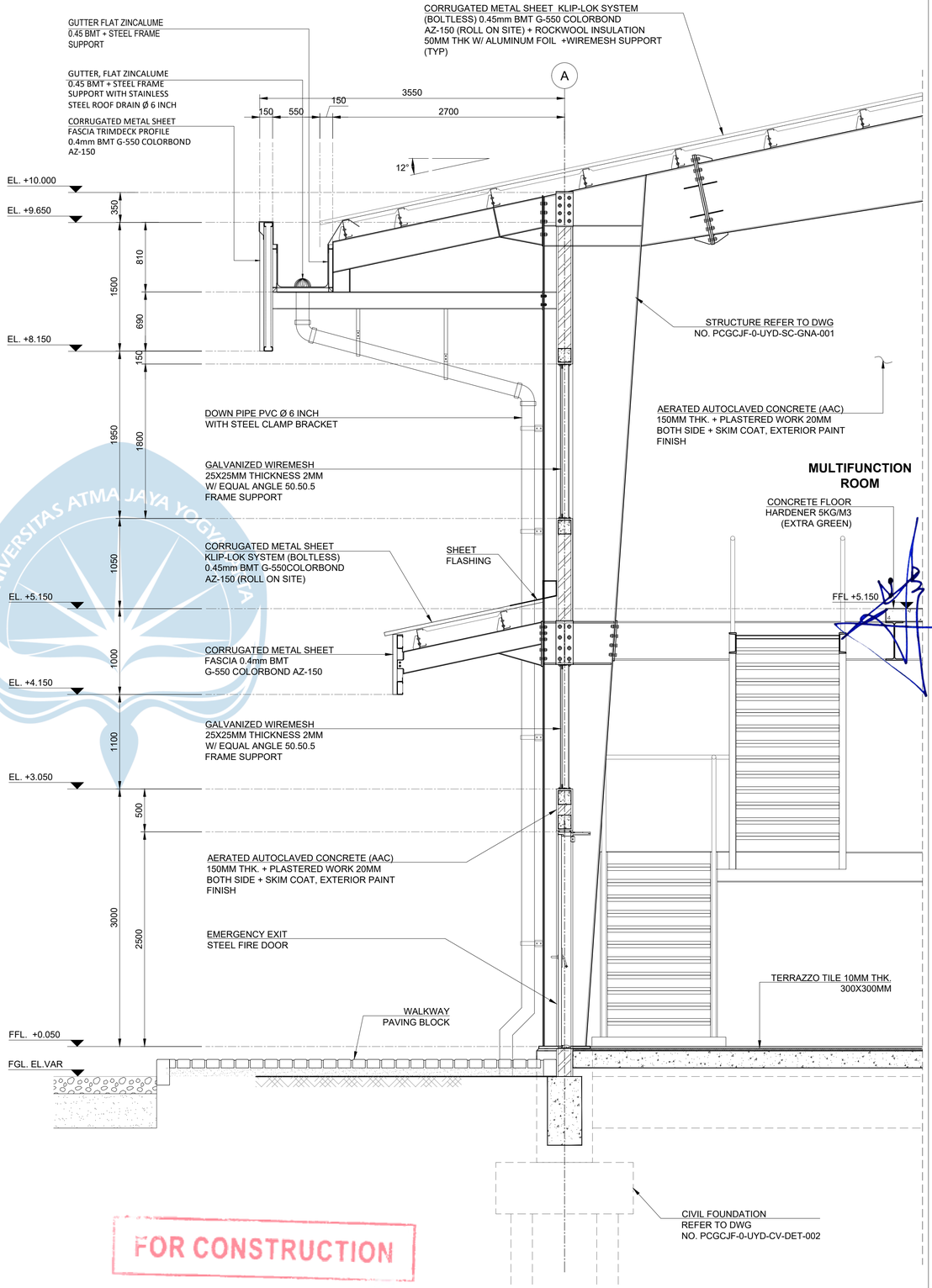
PCGCJF-0-UYD-AR-GNA-001

SCALE	SHEET	DATE	REV
1:200	10	25/03/2022	0

ISO A1 594mm x 841mm



1 DETAIL
SHT-5 SCALE 1:30



2 DETAIL
SHT-5 SCALE 1:30

FOR CONSTRUCTION

AECOM

PROJECT

PCG CENTRAL JAVA
INDUSTRIAL PROJECT
PEKALONGAN FACTORY

CLIENT

HAI
PT. HARDASES ABADI INDONESIA

CONSULTANT

AECOM
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REFERENCE DRAWINGS

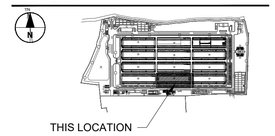
SITE LAYOUT	PCGCJF-0-OCB-AR-PLA-001
STRUCTURAL STANDARD DRAWING	PCGCJF-0-UDA-SC-DET-001
CIVIL STANDARD DRAWING	PCGCJF-0-UDA-CV-DET-001
ARCHITECT STANDARD DRAWING	PCGCJF-0-UDA-AR-DET-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-AR-GNA-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-SC-GNA-001
TITLE	DRAWING NO.

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REVISION

REV	DATE	DESCRIPTION	BY	CKD	APP
0	25/03/2022	ISSUED FOR CONSTRUCTION	TSW	RD	IHF

KEY PLAN



CONSULTANT JOB NUMBER

JKTD21044

DRAWING TITLE

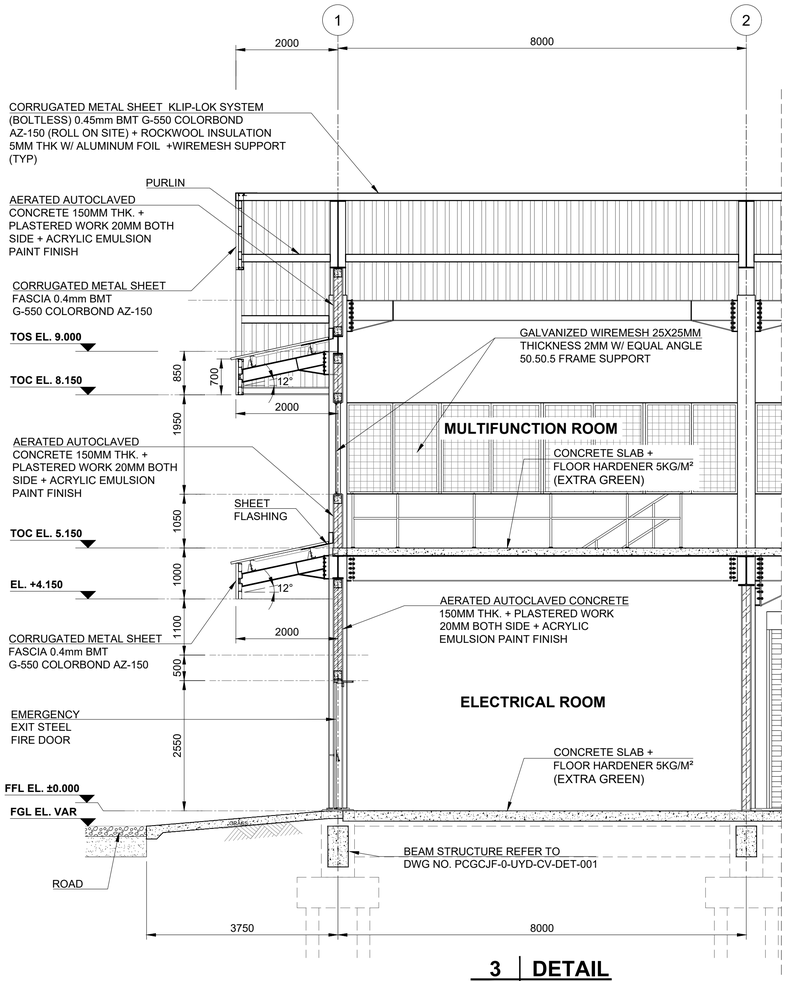
CANTEEN BUILDING
DETAIL
SECTION DETAIL #1

DRAWING NO.

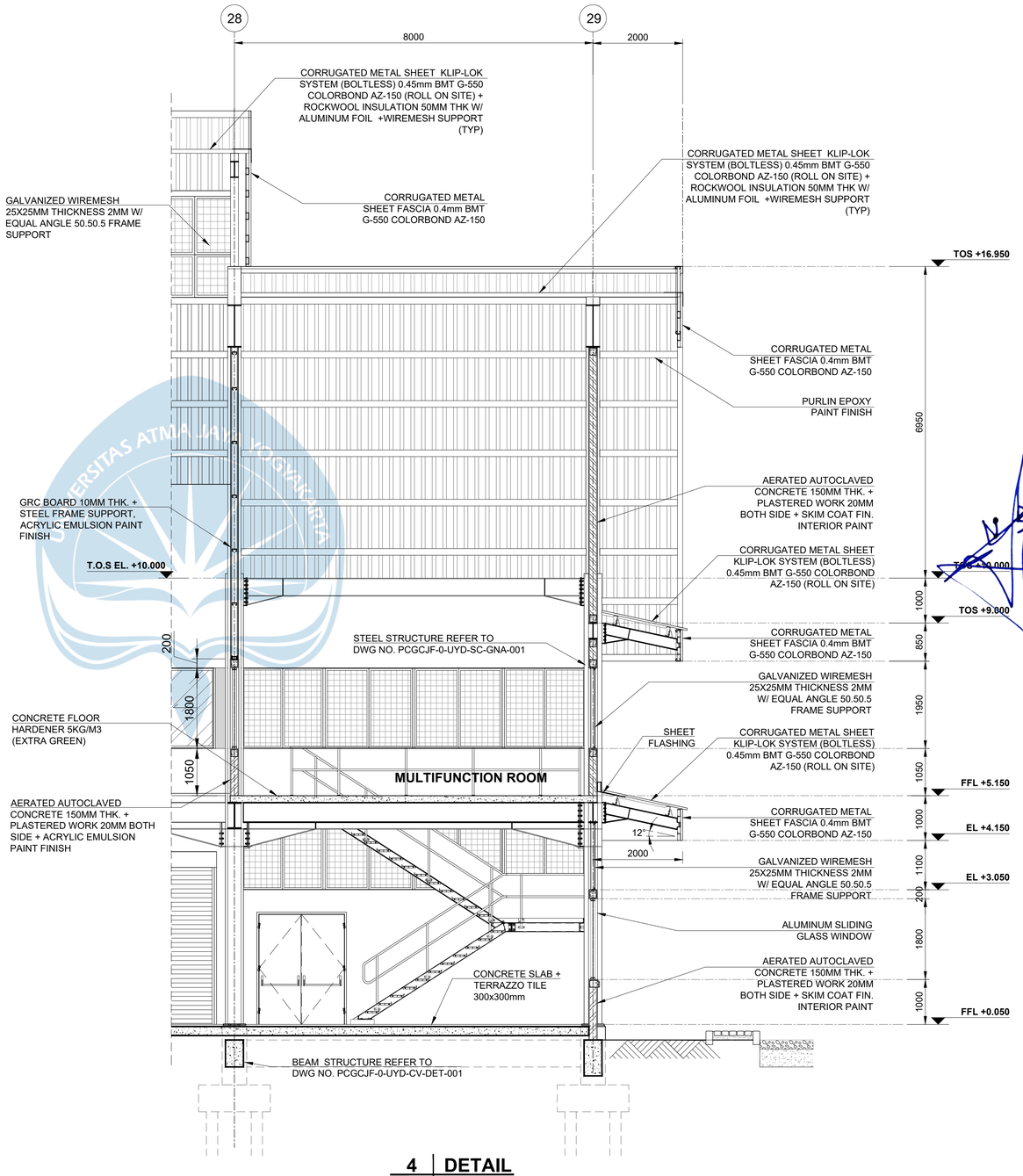
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SCALE	SHEET	DATE	REV
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ISO A1 594mm x 841mm



3 DETAIL
SHT-6 | SCALE 1:60



4 DETAIL
SHT-6 | SCALE 1:60

FOR CONSTRUCTION

0 1250 2500 mm

AECOM

PROJECT

PCG CENTRAL JAVA INDUSTRIAL PROJECT
PEKALONGAN FACTORY

CLIENT

HAI
PT. HARDASES ABADI INDONESIA

CONSULTANT

AECOM
PT. AECOM INDONESIA
South Quarter Building, Tower C 5th Floor
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Jakarta Selatan 12430. Indonesia

NOTES

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REFERENCE DRAWINGS

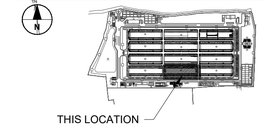
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STRUCTURAL STANDARD DRAWING	PCGCJF-0-UDA-SC-DET-001
CIVIL STANDARD DRAWING	PCGCJF-0-UDA-CV-DET-001
ARCHITECT STANDARD DRAWING	PCGCJF-0-UDA-AR-DET-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-AR-GNA-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-SC-GNA-001
TITLE	DRAWING NO.

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KEY PLAN



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DRAWING TITLE

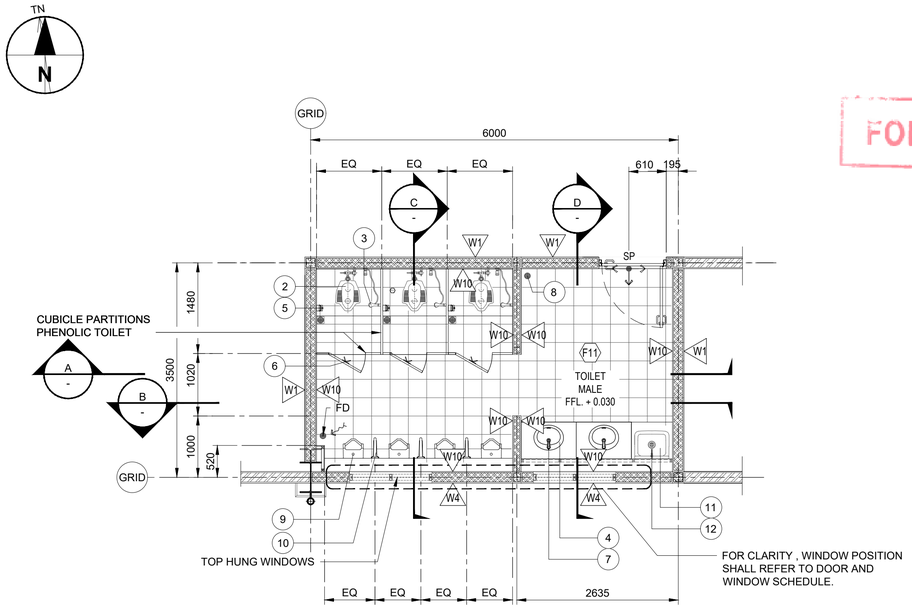
CANTEEN BUILDING
DETAIL
SECTION DETAIL #2

DRAWING NO.

PCGCJF-0-UYD-AR-DET-001

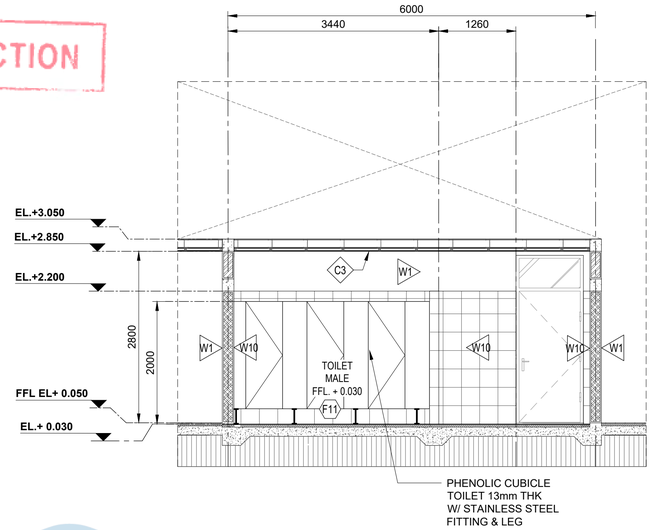
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ISO A1 594mm x 841mm

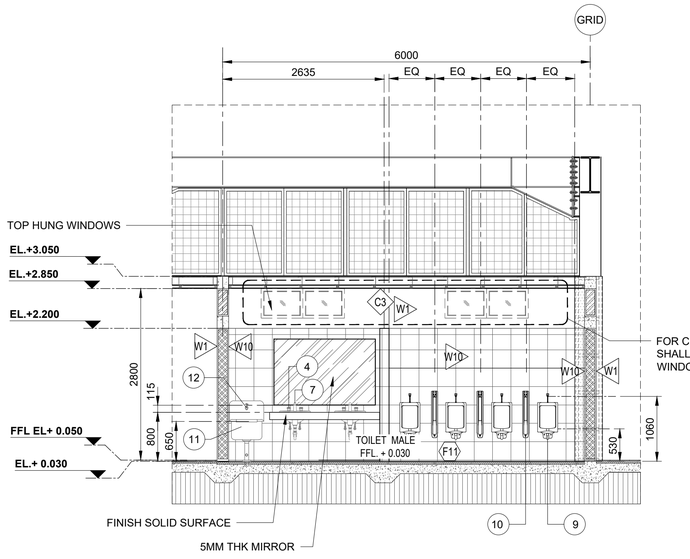


FLOOR PLAN
SCALE 1:50

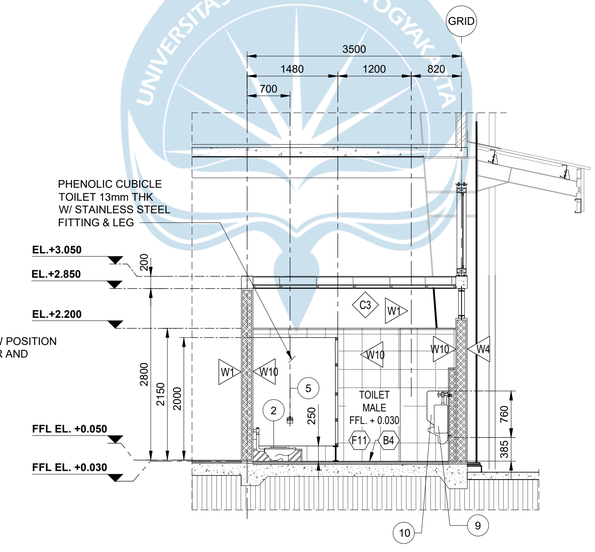
FOR CONSTRUCTION



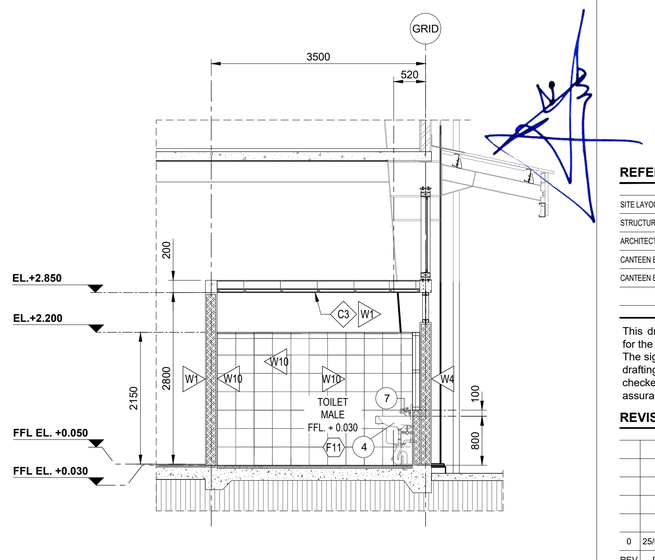
A SECTION
SCALE 1:50



B SECTION
SCALE 1:50



C SECTION
SCALE 1:50



D SECTION
SCALE 1:50

MATERIAL FINISH

FLOOR :
- F11 CERAMIC TILE 300X300 MM ANTI SLIP

WALL ::
- W1 AAC BLOCK 150MM THK + PLASTERED WORK WITH ACRYLIC EMULSION PAINT FINISH
- W4 AAC BLOCK 150MM THK. + PLASTER WITH EXTERIOR PAINT FINISH
- W10 AAC BLOCK 150MM THK. + PLASTER WITH CERAMIC TILE 300X300MM UNTIL ELEV.+2.150 W/ ACRYLIC EMULSION ABOVE

CEILING :
- C3 GYPSUM BOARD CEILING 9MM THK. (WET TYPE) + INTERIOR PAINT FINISH

ID	SANITARY WARES	BRAND RECOMENDATION	
1	WATER CLOSET	TOTO	CW660NJ
2	SQUAT TOILET	TOTO	CE9-TV150NWV12J
3	SHOWER SPRAY TOILET	TOTO	TX403SECR
4	COUNTER LAVATORY	TOTO	LW899CJ
5	PAPER HOLDER	TOTO	TX703AC
6	ROBE HOOK	TOTO	TX704ACW
7	COUNTER LAVATORY FAUCET	TOTO	TX122LESN
8	FLOOR DRAIN	TOTO	TX1BN
9	URINAL	TOTO	U57M
10	URINAL PARTITION	TOTO	A 100
11	JANITOR SINK	TOTO	SK322E
12	JANITOR SINK FAUCET	TOTO	T30ARQ13N
13	ABLUTION/ TAP FAUCET	TOTO	T23BQ13N

0 1250 2500 mm
1:50

AECOM

PROJECT

PCG CENTRAL JAVA
INDUSTRIAL PROJECT
PEKALONGAN FACTORY

CLIENT

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REFERENCE DRAWINGS

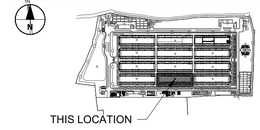
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ARCHITECT STANDARD DRAWING	PCGCJF-0-UDA-AR-DET-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-AR-GNA-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-SC-GNA-001
TITLE	DRAWING NO.

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KEY PLAN



CONSULTANT JOB NUMBER

JKTD21044

DRAWING TITLE

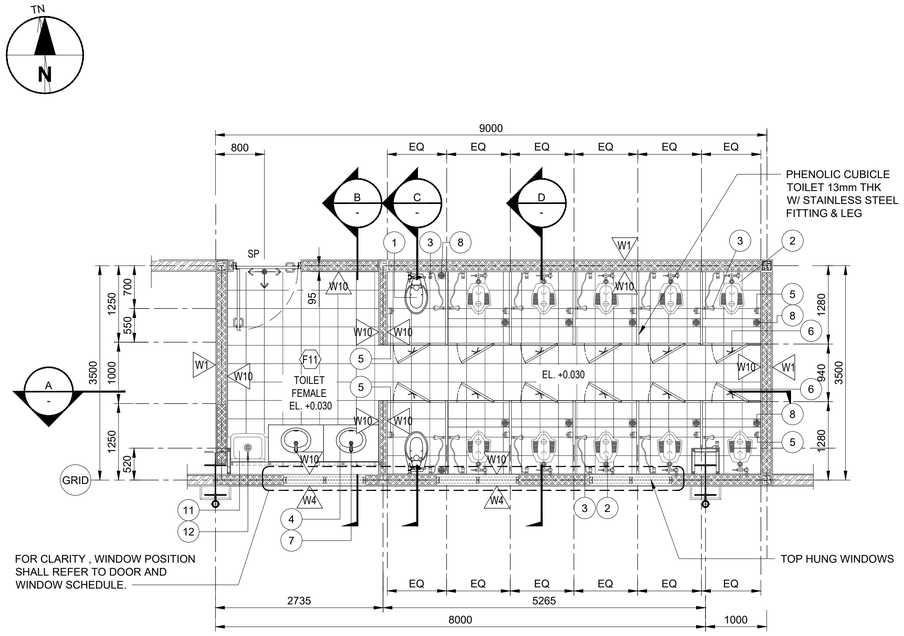
CANTEEN BUILDING
DETAIL
TYPICAL MALE TOILET

DRAWING NO.

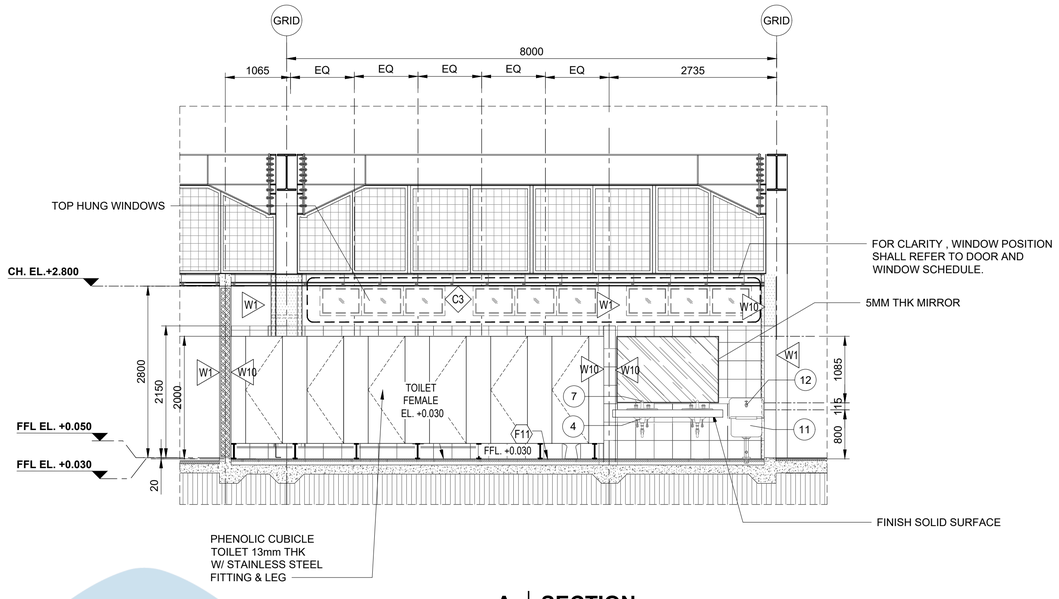
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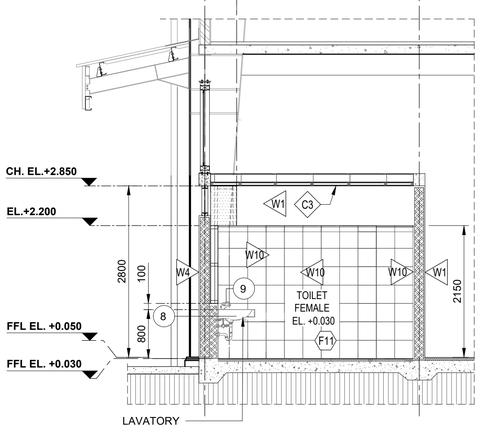
ISO A1 594mm x 841mm



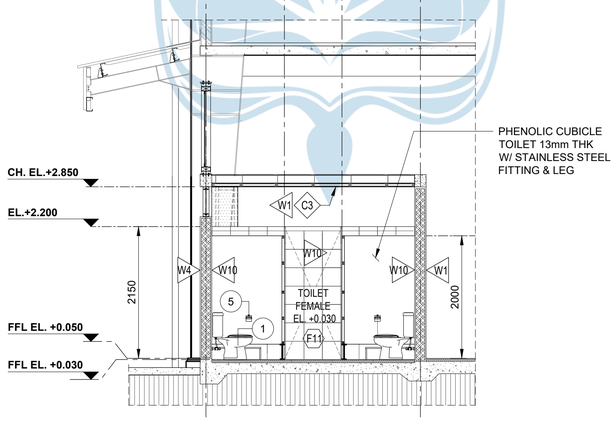
FLOOR PLAN
SCALE 1:50



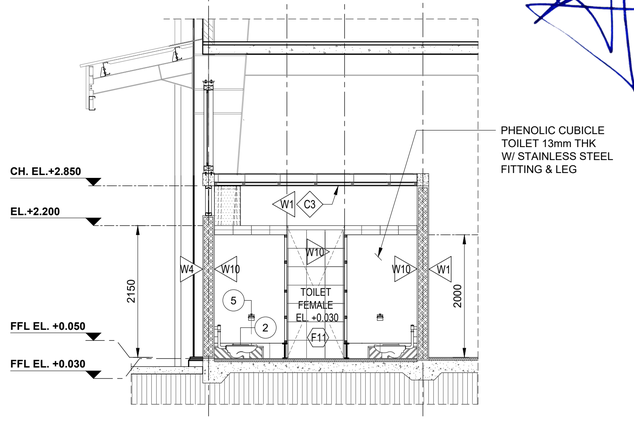
A | SECTION
SCALE 1:50



B | SECTION
SCALE 1:50



C | SECTION
SCALE 1:50



D | SECTION
SCALE 1:50

FOR CONSTRUCTION

MATERIAL FINISH

FLOOR :
- F11 CERAMIC TILE 300X300 MM ANTI SLIP

WALL ::
- W1 AAC BLOCK 150MM THK + PLASTERED WORK WITH ACRYLIC EMULSION PAINT FINISH
- W4 AAC BLOCK 150MM THK. + PLASTER WITH EXTERIOR PAINT FINISH
- W10 AAC BLOCK 150MM THK. + PLASTER WITH CERAMIC TILE 300X300MM UNTIL ELEV.+2.150 W/ ACRYLIC EMULSION ABOVE

CEILING :
- C3 GYPSUM BOARD CEILING 9MM THK. (WET TYPE) + INTERIOR PAINT FINISH

ID	SANITARY WARES	BRAND RECOMENDATION	
1	WATER CLOSET	TOTO	CW660NJ
2	SQUAT TOILET	TOTO	CE9-TV150NWV12J
3	SHOWER SPRAY TOILET	TOTO	TX403SECR
4	COUNTER LAVATORY	TOTO	LW899CJ
5	PAPER HOLDER	TOTO	TX703AC
6	ROBE HOOK	TOTO	TX704ACW
7	COUNTER LAVATORY FAUCET	TOTO	TX122LESN
8	FLOOR DRAIN	TOTO	TX1BN
9	URINAL	TOTO	U57M
10	URINAL PARTITION	TOTO	A 100
11	JANITOR SINK	TOTO	SK322E
12	JANITOR SINK FAUCET	TOTO	T30ARQ13N
13	ABLUTION/ TAP FAUCET	TOTO	T23BQ13N

0 1250 2500 mm
1:50

AECOM

PROJECT

PCG CENTRAL JAVA
INDUSTRIAL PROJECT
PEKALONGAN FACTORY

CLIENT

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REFERENCE DRAWINGS

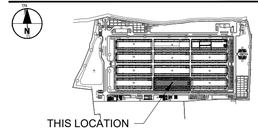
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STRUCTURAL STANDARD DRAWINGS	PCGCJF-0-UDA-SC-DET-001
ARCHITECT STANDARD DRAWING	PCGCJF-0-UDA-AR-DET-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-AR-GNA-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-SC-GNA-001
TITLE	DRAWING NO.

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0	25/03/2022	ISSUED FOR CONSTRUCTION	TSW	RD	IHF

KEY PLAN



CONSULTANT JOB NUMBER

JKTD21044

DRAWING TITLE

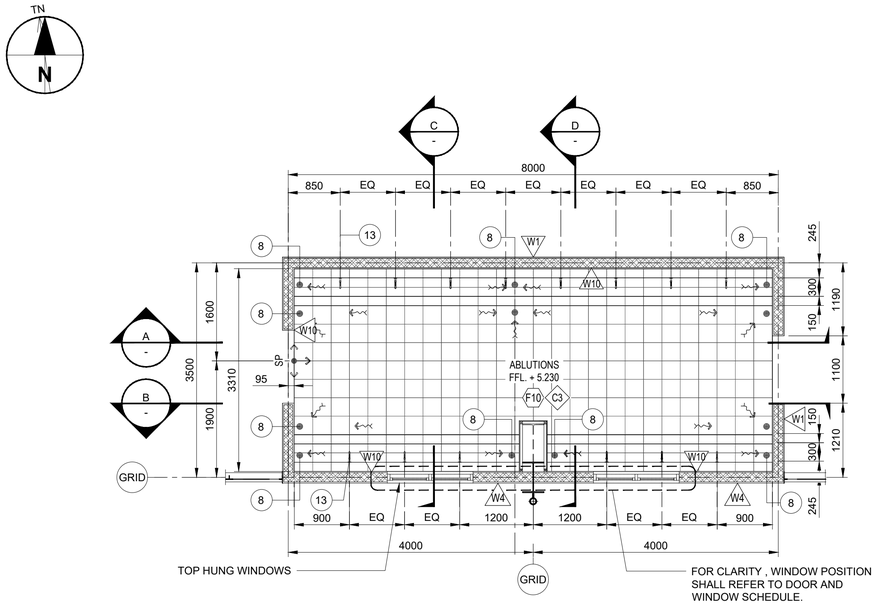
CANTEEN BUILDING
DETAIL
TYPICAL FEMALE TOILET

DRAWING NO.

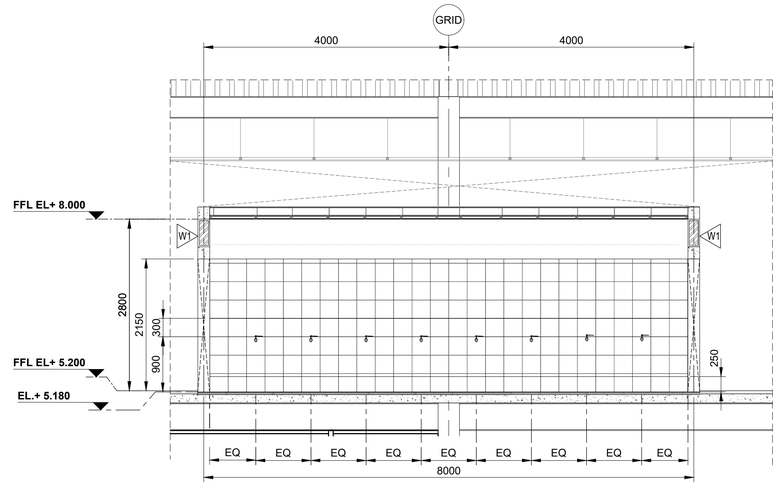
PCGCJF-0-UYD-AR-DET-001

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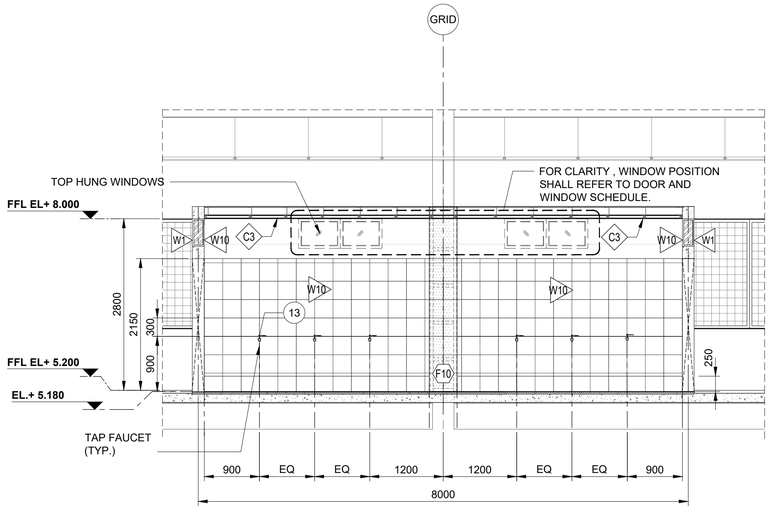
ISO A1 594mm x 841mm



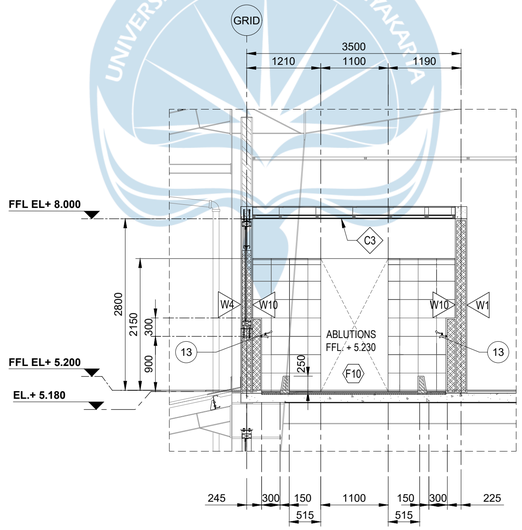
FLOOR PLAN
SCALE 1:50



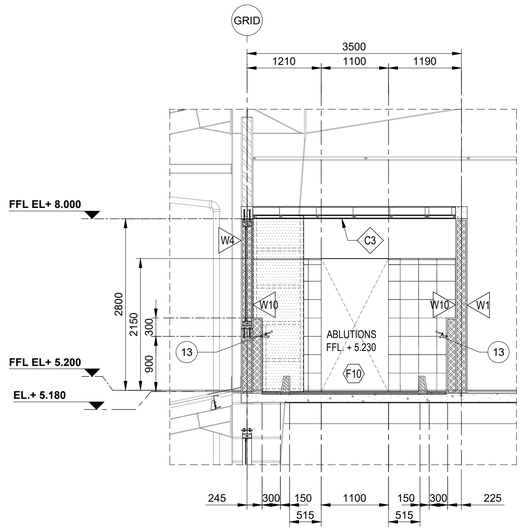
A SECTION
SCALE 1:50



B SECTION
SCALE 1:50



C SECTION
SCALE 1:50



D SECTION
SCALE 1:50

FOR CONSTRUCTION

MATERIAL FINISH

FLOOR :
- F10 CERAMIC TILE 300X300 MM ANTI SLIP

WALL ::
- W1 AAC BLOCK 150MM THK + PLASTERED WORK WITH ACRYLIC EMULSION PAINT FINISH
- W4 AAC BLOCK 150MM THK. + PLASTER WITH EXTERIOR PAINT FINISH
- W10 AAC BLOCK 150MM THK. + PLASTER WITH CERAMIC TILE 300X300MM UNTIL ELEV.+2.150 W/ ACRYLIC EMULSION ABOVE

CEILING :
- C3 GYPSUM BOARD CEILING 9MM THK. (WET TYPE) + INTERIOR PAINT FINISH

0 1250 2500 mm
1:50

ID	SANITARY WARES	BRAND RECOMENDATION	
1	WATER CLOSET	TOTO	CW660NJ
2	SQUAT TOILET	TOTO	CE9-TV150NWV12J
3	SHOWER SPRAY TOILET	TOTO	TX403SECR
4	COUNTER LAVATORY	TOTO	LW899CJ
5	PAPER HOLDER	TOTO	TX703AC
6	ROBE HOOK	TOTO	TX704ACW
7	COUNTER LAVATORY FAUCET	TOTO	TX122LESN
8	FLOOR DRAIN	TOTO	TX1BN
9	URINAL	TOTO	U57M
10	URINAL PARTITION	TOTO	A 100
11	JANITOR SINK	TOTO	SK322E
12	JANITOR SINK FAUCET	TOTO	T30ARQ13N
13	ABLUTION/ TAP FAUCET	TOTO	T23BQ13N

AECOM

PROJECT

PCG CENTRAL JAVA
INDUSTRIAL PROJECT
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REFERENCE DRAWINGS

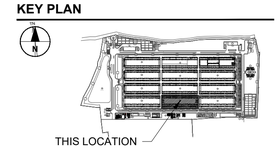
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STRUCTURAL STANDARD DRAWINGS	PCGCJF-0-UDA-SC-DET-001
ARCHITECT STANDARD DRAWING	PCGCJF-0-UDA-AR-DET-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-AR-GNA-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-SC-GNA-001
TITLE	DRAWING NO.

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DRAWING TITLE

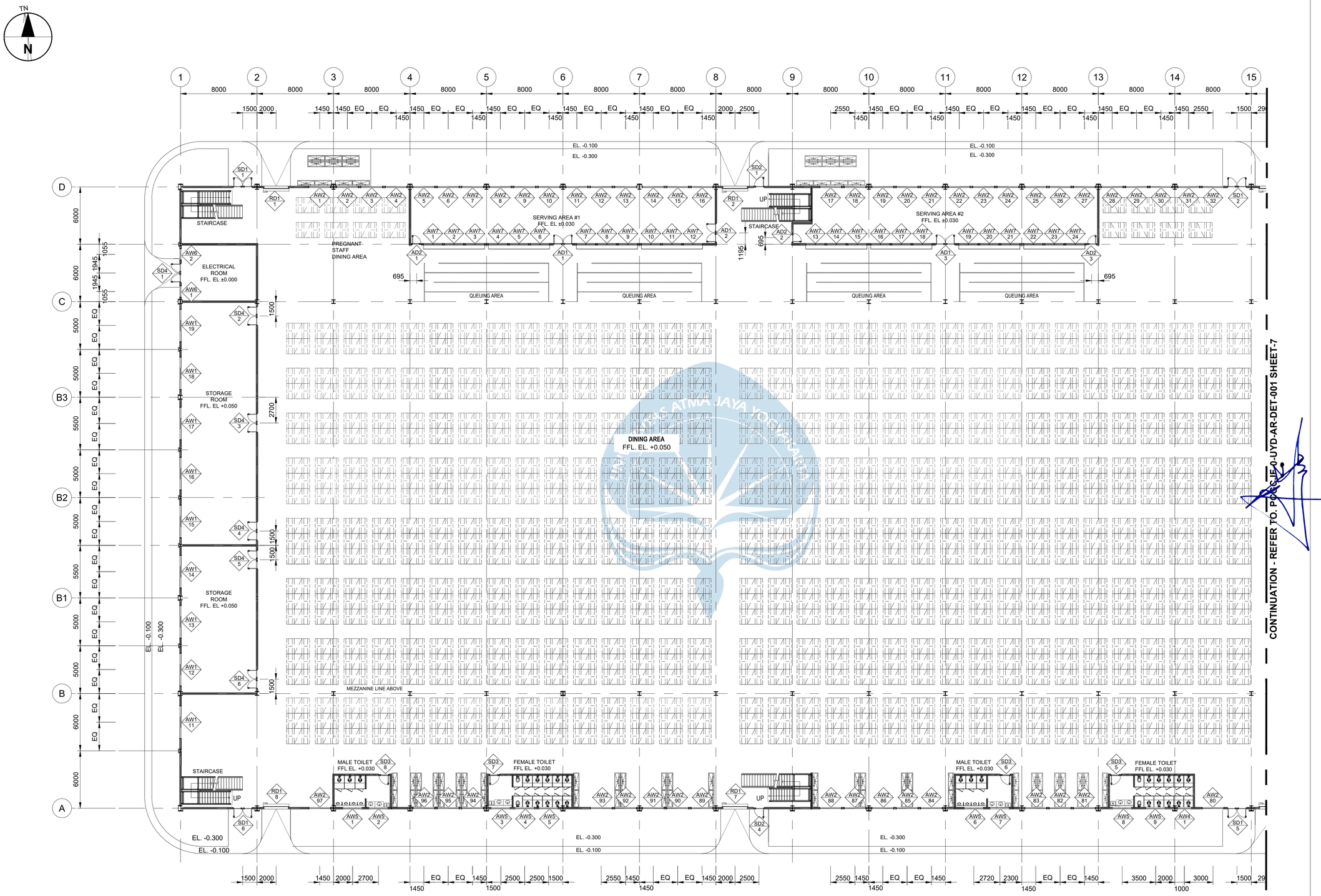
CANTEEN BUILDING
DETAIL
TYPICAL ABLUTION

DRAWING NO.

PCGCJF-0-UYD-AR-DET-001

SCALE	SHEET	DATE	REV
1:50	5	25/03/2022	0

ISO A1 594mm x 841mm



CONTINUATION - REFER TO. PCGCJF-0-UYD-AR-DET-001 SHEET-7

1 | PLAN ENLARGED GROUND FLOOR - DOORS & WINDOWS - PART 1 OF 2

SHT-1 | SCALE 1:200

FOR CONSTRUCTION

0 5000 10000 mm

1:200

AECOM

PROJECT

PCG CENTRAL JAVA INDUSTRIAL PROJECT PEKALONGAN FACTORY

CLIENT

HAI

PT. HARDASES ABADI INDONESIA

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REFERENCE DRAWINGS

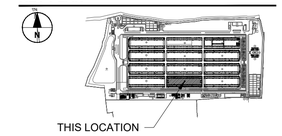
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ARCHITECT STANDARD DRAWING	PCGCJF-0-UDA-AR-DET-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-AR-GNA-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-SC-GNA-001
TITLE	DRAWING NO.

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KEY PLAN



CONSULTANT JOB NUMBER

JKTD21044

DRAWING TITLE

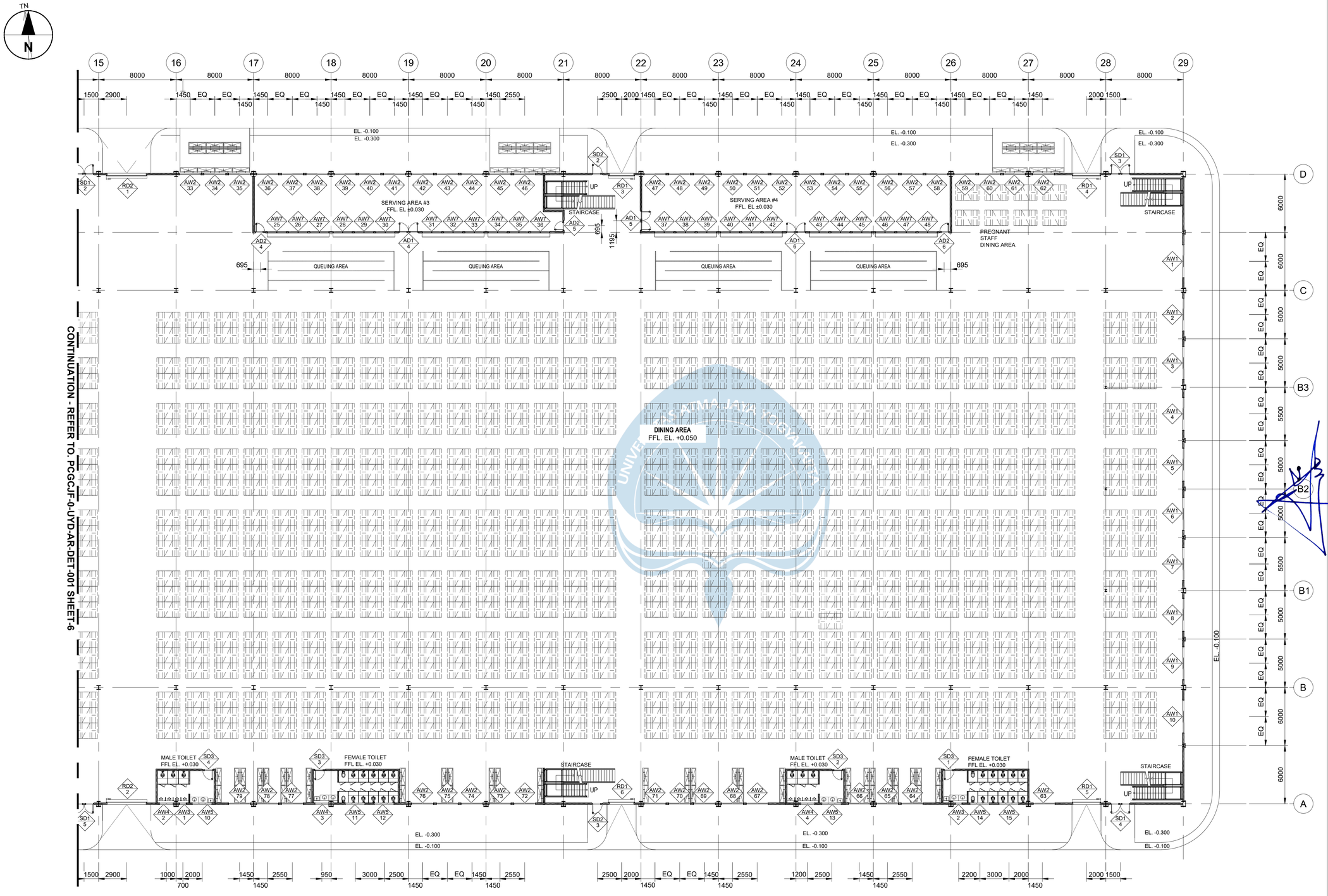
CANTEEN BUILDING
DETAIL
DOOR WINDOW LAYOUT #1

DRAWING NO.

PCGCJF-0-UYD-AR-DET-001

SCALE	SHEET	DATE	REV
1:200	6	25/03/2022	0

ISO A1 594mm x 841mm



2 | PLAN ENLARGED GROUND FLOOR - DOORS & WINDOWS - PART 2 OF 2

SHT-1 | SCALE 1:200

0 5000 10000 mm
1:200

FOR CONSTRUCTION

AECOM

PROJECT

PCG CENTRAL JAVA
INDUSTRIAL PROJECT
PEKALONGAN FACTORY

CLIENT

HAI
PT. HARDASES ABADI INDONESIA

CONSULTANT

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PT. AECOM INDONESIA
South Quarter Building, Tower C 5th Floor
Jl. RA. Kartini Kav.8, Cilandak Barat
Jakarta Selatan 12430. Indonesia

NOTES

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2. ALL ELEVATION ARE IN METERS.
3. FOR OTHER NOTES REFER TO DWG NO. PCGCJF-0-UYD-AR-GNA-001 SHEET-1.

REFERENCE DRAWINGS

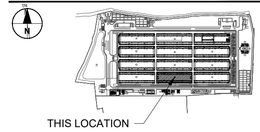
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STRUCTURAL STANDARD DRAWINGS	PCGCJF-0-UDA-SC-DET-001
ARCHITECT STANDARD DRAWING	PCGCJF-0-UDA-AR-DET-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-AR-GNA-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-SC-GNA-001
TITLE	DRAWING NO.

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REVISION

REV	DATE	DESCRIPTION	BY	CKD	APP
0	25/03/2022	ISSUED FOR CONSTRUCTION	TSW	RD	IHF

KEY PLAN



CONSULTANT JOB NUMBER

JKTD21044

DRAWING TITLE

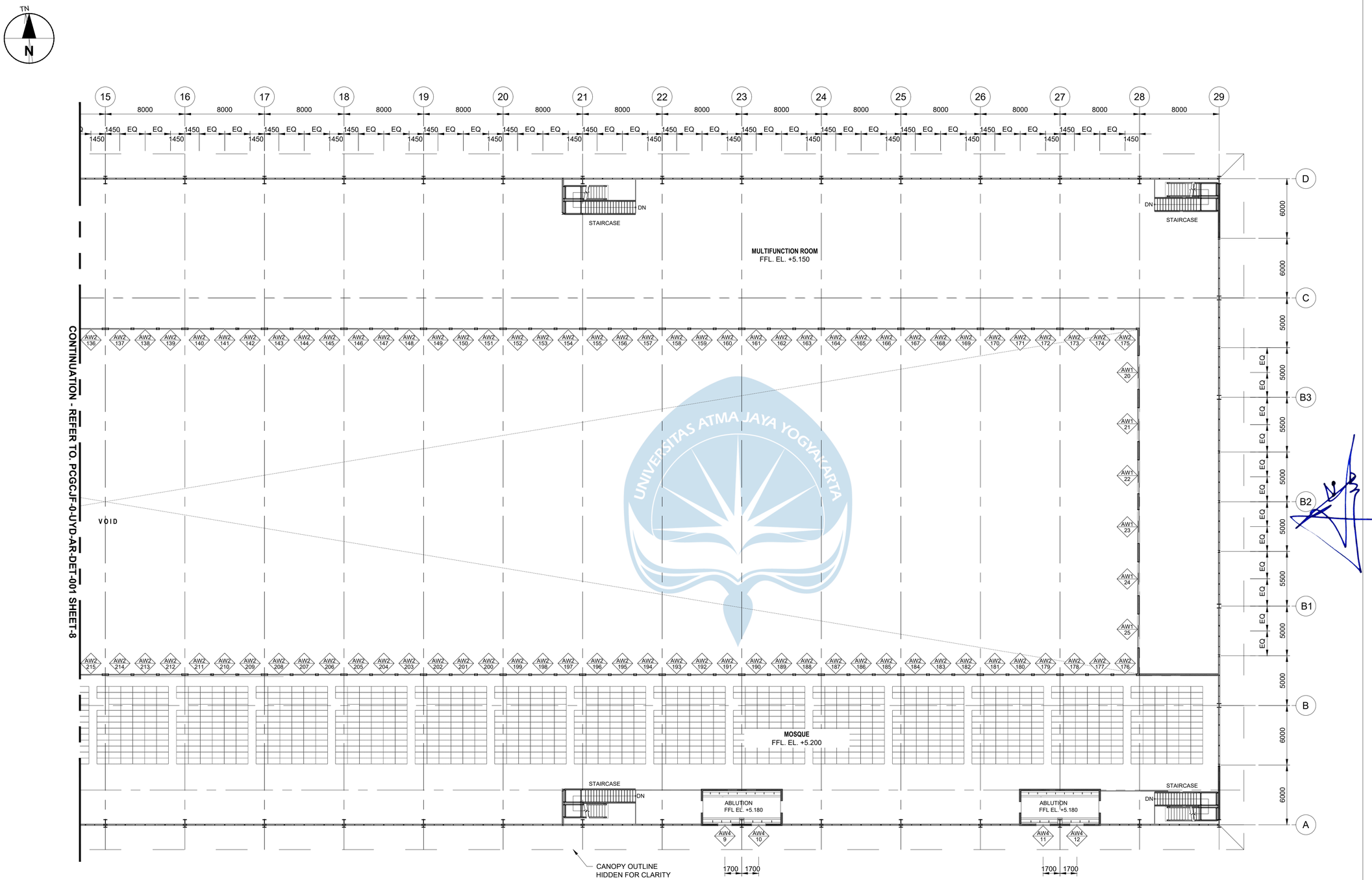
CANTEEN BUILDING
DETAIL
DOOR WINDOW LAYOUT #2

DRAWING NO.

PCGCJF-0-UYD-AR-DET-001

SCALE	SHEET	DATE	REV
1:200	7	25/03/2022	0

ISO A1 594mm x 841mm



4 | PLAN ENLARGED - FIRST FLOOR - PART 2 OF 2

SHT-1

SCALE 1:200

0 5000 10000 mm

1:200

FOR CONSTRUCTION

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REFERENCE DRAWINGS

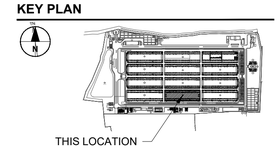
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ARCHITECT STANDARD DRAWING	PCGCJF-0-UDA-AR-DET-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-AR-GNA-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-SC-GNA-001
TITLE	DRAWING NO.

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KEY PLAN



CONSULTANT JOB NUMBER

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DRAWING TITLE

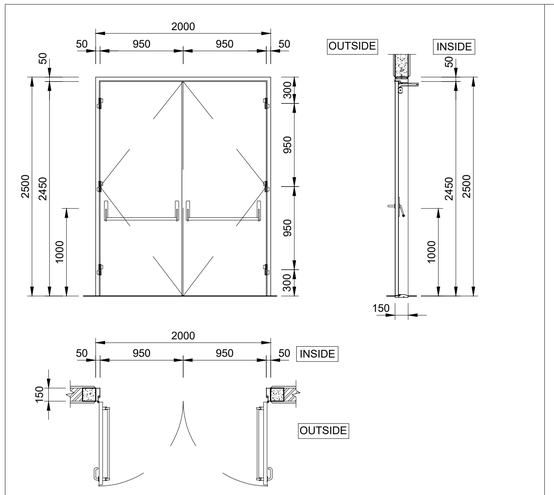
CANTEEN BUILDING
DETAIL
DOOR WINDOW LAYOUT #4

DRAWING NO.

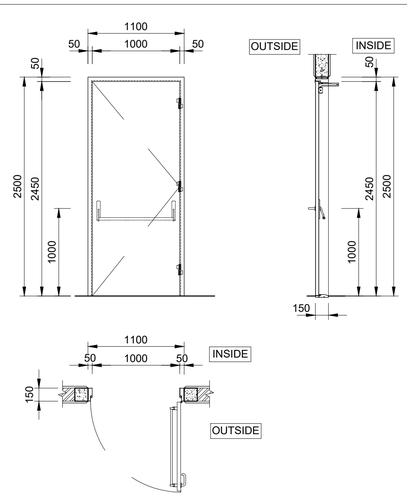
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SCALE	SHEET	DATE	REV
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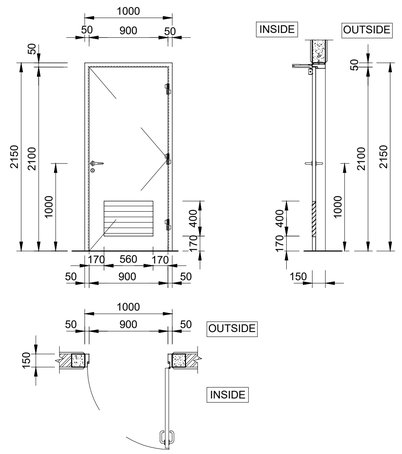
ISO A1 594mm x 841mm



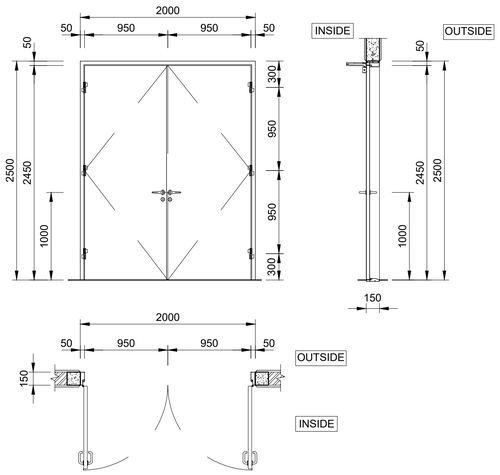
DOOR TYPE	SD1	DOOR LEAF	STEEL PLAT, TOTAL THICKNESS 55MM, EPOXY PAINT FINISH
OPENING SIZE	H : 2500 W : 2000	DOOR FRAME	FRAME OF STEEL PLATE 3MM THK, EPOXY PAINT FINISH
HARDWARES TYPE	A	OTHERS	-PANIC BAR -DOOR COORDINATOR -DOOR CLOSER -FIRE RATING 90 MINUTES -FILLED W/ ROCKWOOL
TOTAL NUMBER	6 UNITS		
LOCATION	OPEN DINING AREA,		



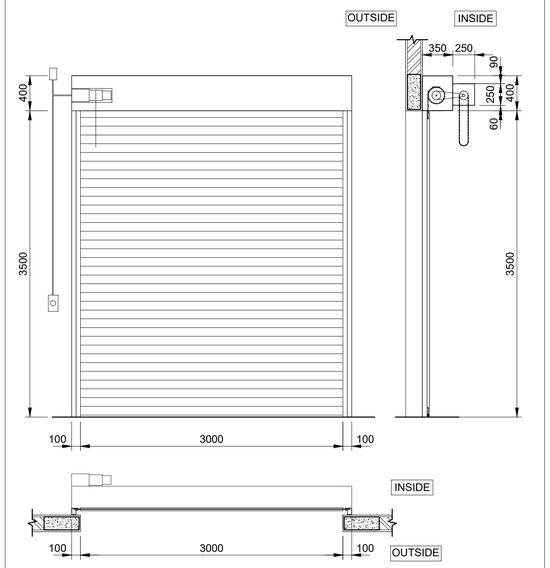
DOOR TYPE	SD2	DOOR LEAF	STEEL PLAT, TOTAL THICKNESS 55MM, EPOXY PAINT FINISH
OPENING SIZE	H : 2500 W : 1100	DOOR FRAME	FRAME OF STEEL PLATE 3MM THK, EPOXY PAINT FINISH
HARDWARES TYPE	B	OTHERS	-PANIC BAR -DOOR COORDINATOR -DOOR CLOSER -FIRE RATING 90 MINUTES -FILLED W/ ROCKWOOL
TOTAL NUMBER	4 UNITS		
LOCATION	OPEN DINING AREA		



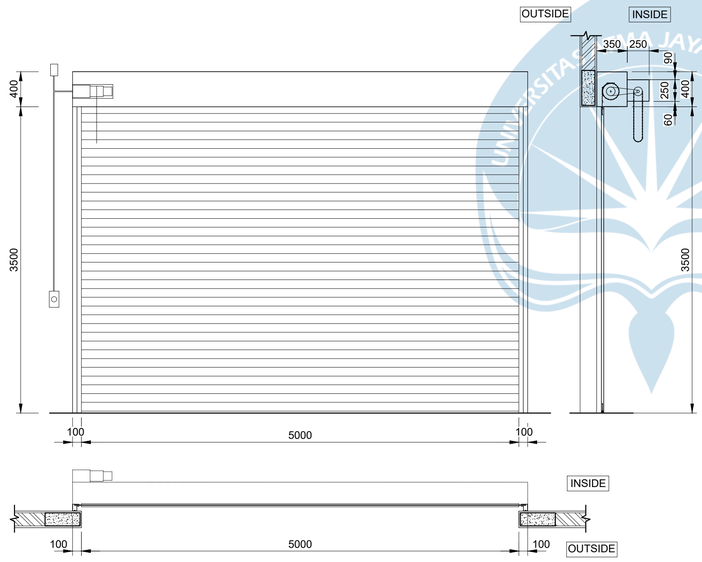
DOOR TYPE	SD3	DOOR LEAF	STEEL PLAT, TOTAL THICKNESS 50MM, EPOXY PAINT FINISH
OPENING SIZE	H : 2150 W : 1000	DOOR FRAME	FRAME OF STEEL PLATE 2MM THK, EPOXY PAINT FINISH
HARDWARES TYPE	C	OTHERS	-DOOR CLOSER -GRILL LOUVER
TOTAL NUMBER	8 UNITS		
LOCATION	TOILET AREA		



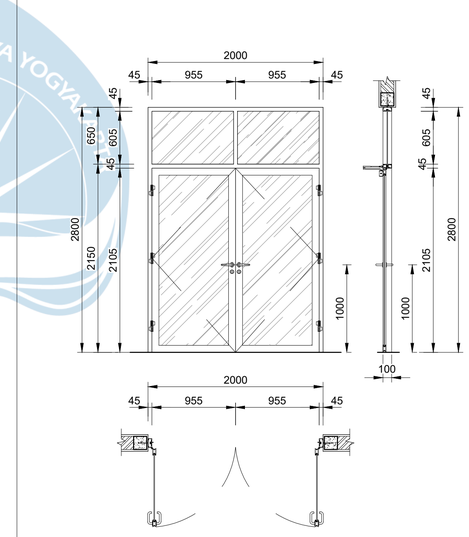
DOOR TYPE	SD4	DOOR LEAF	STEEL PLAT, TOTAL THICKNESS 55MM, EPOXY PAINT FINISH
OPENING SIZE	H : 2500 W : 2000	DOOR FRAME	FRAME OF STEEL PLATE 2MM THK, EPOXY PAINT FINISH
HARDWARES TYPE	D	OTHERS	-DOOR CLOSER
TOTAL NUMBER	6 UNITS		
LOCATION	ELECTRICAL ROOM, STORAGE #1 AND STORAGE #2		



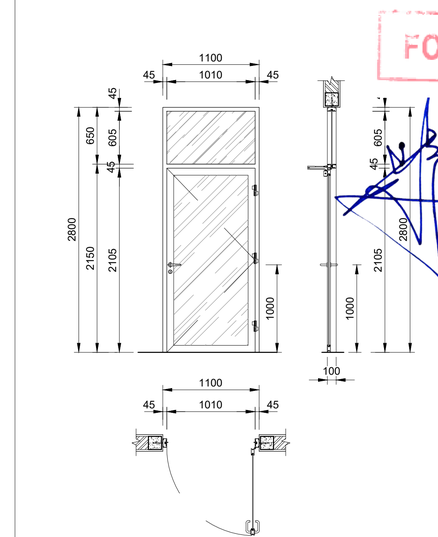
DOOR TYPE	RD1	DOOR LEAF	STEEL SHUTTER DOOR
OPENING SIZE	H : 3500 W : 3000	DOOR FRAME	STANDRAD MANUFACTURING
HARDWARES TYPE	N/A	OTHERS	STANDRAD MANUFACTURING
TOTAL NUMBER	8 UNITS		
LOCATION	OPEN DINING AREA,		



DOOR TYPE	RD2	DOOR LEAF	STEEL SHUTTER DOOR
OPENING SIZE	H : 3500 W : 5000	DOOR FRAME	STANDRAD MANUFACTURING
HARDWARES TYPE	N/A	OTHERS	STANDRAD MANUFACTURING
TOTAL NUMBER	2 UNITS		
LOCATION	OPEN DINING AREA,		



DOOR TYPE	AD1	DOOR LEAF	DOUBLE ALUMINUM DOOR W/ TEMPERED CLEAR GLASS 8mm Thk.
OPENING SIZE	H : 2150+650 W : 2000	DOOR FRAME	ALUMINUM FRAME ANODIZED FIN.
HARDWARES TYPE	E	OTHERS	-DOOR CLOSER
TOTAL NUMBER	6 UNITS		
LOCATION	SERVING CANTEEN AREA		



DOOR TYPE	AD2	DOOR LEAF	SINGLE ALUMINUM DOOR W/ TEMPERED CLEAR GLASS 8mm Thk.
OPENING SIZE	H : 2150+650 W : 1100	DOOR FRAME	ALUMINUM FRAME ANODIZED FIN.
HARDWARES TYPE	F	OTHERS	-DOOR CLOSER
TOTAL NUMBER	6 UNITS		
LOCATION	SERVING CANTEEN AREA		

NO.	DOOR HARDWARE	TYPE - A	QTY	TYPE - B	QTY	TYPE - C	QTY	TYPE - D	QTY	TYPE - E	QTY	TYPE - F	QTY
1	HANDLE	LEVER HANDLE ISEO LHTR CURVA 22MM SSS	1 SET	LEVER HANDLE ISEO LHTR CURVA 22MM SSS	1 SET	LEVER HANDLE ISEO LHTR CURVA 22MM SSS	1 SET	LEVER HANDLE ISEO LHTR CURVA 22MM SSS	1 SET	PURE OVAL 8100/6621/6679 / LH / SSS PURE OVAL 8100/6621/6679 / RH / SSS	1 SET 1 SET	PURE OVAL 8100/6621/6679 / LH / SSS PURE OVAL 8100/6621/6679 / RH / SSS	1 SET
2	PANIC BAR	PANIC DEVICE PALMO ISEO 9409000050379 + MTS	2 SET	PANIC DEVICE PALMO ISEO 9409000050379 + MTS	2 SET	-	-	-	-	-		-	
3	PANIC BOLT	-	-	-	-	-	-	-	-	-		-	
4	HINGES	SIMON WERK KOS-F/ 13	6 NOS	SIMON WERK KOS-F/ 13	6 NOS	HINGE DEKKSON ESS DL 4X4X3MM 2BB SSS	3 NOS	HINGE DEKKSON ESS DL 4X4X3MM 2BB SSS	6 NOS	4" X 3"X 3MM/2BB,SSS (MAX WEIGHT 100 KG / 3PCS), SSS 304	6 SET	4" X 3"X 3MM/2BB,SSS (MAX WEIGHT 100 KG / 3PCS), SSS 304	3 SET
5	CYLINDER	CYLINDER DEKKSON DC DL80M SN ESCUTCHEON ESCN 855 SSS	2 NOS	CYLINDER DEKKSON DC DL80M SN ESCUTCHEON ESCN 855 SSS	2 NOS	CYLINDER DEKKSON DC DL70MM SN SP003 HDL SSS+SP002A SSS	1 NO	CYLINDER DEKKSON DC DL70MM SN SP003 HDL SSS+SP002A SSS	1 NO	PC 91 / DOUBLE CYLINDER/ 61MM / 5PIN / SSS	1 NO	PC 91 / DOUBLE CYLINDER/ 61MM / 5PIN / SSS	1 NO
6	FLUSH BOLT	-	-	-	-	-	-	FLUSH BOLT DEKKSON FB SQ501-270MM ZC FLUSH BOLT DEKKSON FB SQ501-370MM ZC	1 SET	NAKANISHI DC 800 / 250 X 350 / SV	1 SET	-	-
7	DOOR CLOSER	DOOR CLOSER DEKKSON DCL 105 NHO NA	2 NOS	DOOR CLOSER DEKKSON DCL 105 NHO NA	2 NOS	DOOR CLOSER DEKKSON DCL 105 NHO NA	1 NO	DOOR CLOSER DEKKSON DCL 105 NHO NA	2 NOS	DORMA TS 90 / EN 3/4 / SILVER (HOLD OPEN UNIT)	2 SET	DORMA TS 90 / EN 3/4 / SILVER (HOLD OPEN UNIT)	1 SET
8	DOOR STOPPER	-	-	-	-	-	-	-	-	DORMA TZ 5000	2 NO	DORMA TZ 5000	1 NO
9	LOCK CASE	-	-	-	-	MORTISE LOCK DEKKSON MTS IL DL8672 SSS	1 NO	MORTISE LOCK DEKKSON MTS IL DL8672 SSS	1 NO	DORMA DST 952 / DEADBOLT LOCK / 25MM / 24MM / RECTANGULAR DORMA STRIKE PLATE 020 / SQUARE	1 NO	DORMA DST 952 / DEADBOLT LOCK / 25MM / 24MM / RECTANGULAR DORMA STRIKE PLATE 020 / SQUARE	1 NO
10	DUST PROOF	-	-	-	-	-	-	–	-	-		-	
11	OTHER	FILLED WITH ROCKWOOL	-	FILLED WITH ROCKWOOL	-		-	-	-	-			

AECOM

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NOTES

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FOR CONSTRUCTION

REFERENCE DRAWINGS

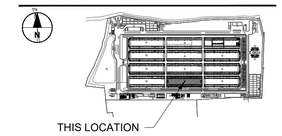
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STRUCTURAL STANDARD DRAWINGS	PCGCJF-0-UDA-SC-DET-001
ARCHITECT STANDARD DRAWING	PCGCJF-0-UDA-AR-DET-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-AR-GNA-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-SC-GNA-001

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REVISION

REV	DATE	DESCRIPTION	BY	CKD	APP
0	25/03/2022	ISSUED FOR CONSTRUCTION	TSW	RD	IHF

KEY PLAN



CONSULTANT JOB NUMBER

JKTD21044

DRAWING TITLE

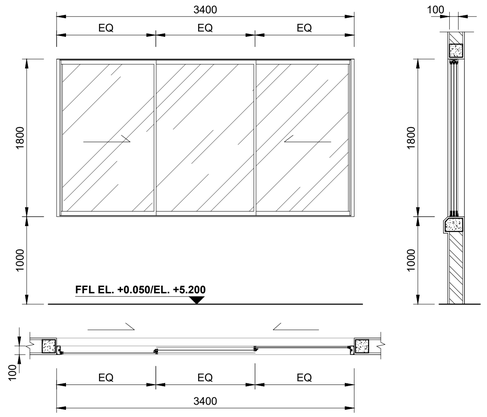
CANTEEN BUILDING
DETAIL
DOOR WINDOW SCHEDULE #1

DRAWING NO.

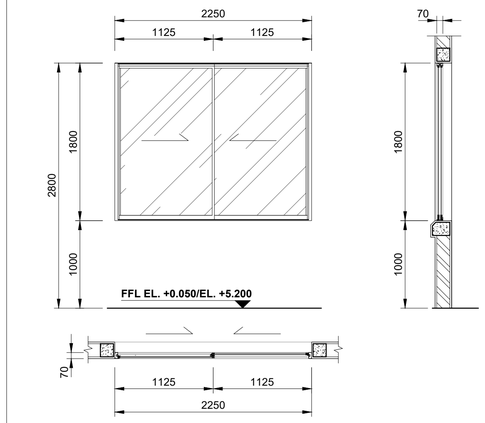
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SCALE	SHEET	DATE	REV
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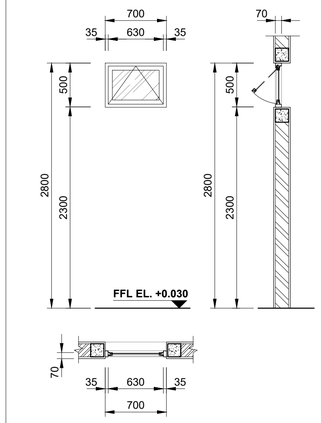
ISO A1 594mm x 841mm



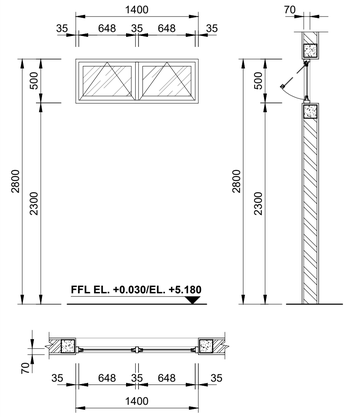
WINDOW TYPE	AW1	WINDOW LEAF	ALUMINUM SLIDING FRAME ANODIZED FINISH + TEMPERED CLEAR GLASS 8MM THK.
OPENING SIZE	H : 1800 W : 3400	WINDOW FRAME	ALUMINUM FRAME ANODIZED FINISH 100MM THK
HARDWARES TYPE	-	OTHERS	- CRESCENT W/ LOCK L = 80 - FLUSH HANDLE LOCK INSIDE AND OUTSIDE
TOTAL NUMBER	31 UNITS		
LOCATION	EXTERNAL WINDOWS, STRORAGE #1, STORAGE #2		



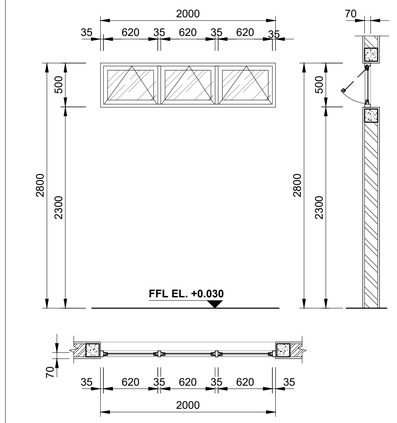
WINDOW TYPE	AW2	WINDOW LEAF	ALUMINUM SLIDING FRAME ANODIZED FINISH + TEMPERED CLEAR GLASS 8MM THK.
OPENING SIZE	H : 1800 W : 2250	WINDOW FRAME	ALUMINUM FRAME ANODIZED FINISH 70MM THK
HARDWARES TYPE	-	OTHERS	- CRESCENT W/ LOCK L = 80 - FLUSH HANDLE LOCK INSIDE AND OUTSIDE
TOTAL NUMBER	253 UNITS		
LOCATION	EXTERNAL WINDOWS, MOSQUE AREA, MULTI FUNCTION AREA		



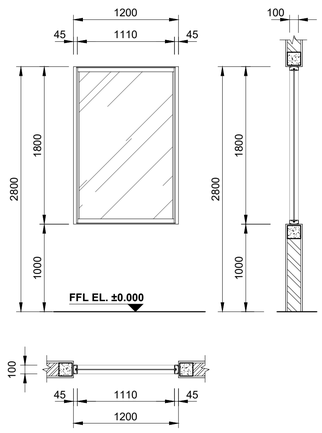
WINDOW TYPE	AW3	WINDOW LEAF	ALUMINUM FRAME ANODIZED FIN. TEMPERED CLEAR GLASS 6MM THK.
OPENING SIZE	H : 500 W : 700	WINDOW FRAME	ALUMINUM FRAME ANODIZED FIN. 70MM THK
HARDWARES TYPE	-	OTHERS	CAM LATCH HANDLE, ARM STOPER FRICTION STAY & BUTT HINGE (ALUMINUM)
TOTAL NUMBER	2 UNITS		
LOCATION	TOILET		



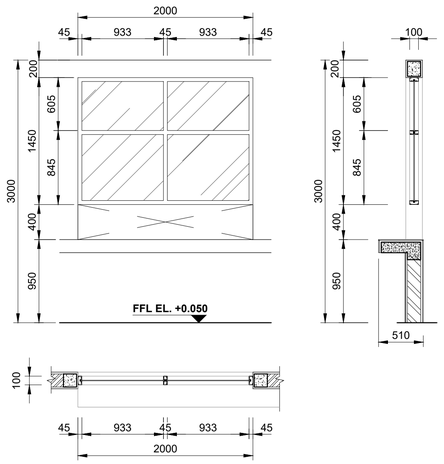
WINDOW TYPE	AW4	WINDOW LEAF	ALUMINUM FRAME ANODIZED FIN. TEMPERED CLEAR GLASS 6MM THK.
OPENING SIZE	H : 500 W : 1400	WINDOW FRAME	ALUMINUM FRAME ANODIZED FIN. 70MM THK
HARDWARES TYPE	-	OTHERS	CAM LATCH HANDLE, ARM STOPER FRICTION STAY & BUTT HINGE (ALUMINUM)
TOTAL NUMBER	12 UNITS		
LOCATION	TOILET, ABLUTION		



WINDOW TYPE	AW5	WINDOW LEAF	ALUMINUM FRAME ANODIZED FIN. TEMPERED CLEAR GLASS 6MM THK.
OPENING SIZE	H : 500 W : 2000	WINDOW FRAME	ALUMINUM FRAME ANODIZED FIN. 70MM THK
HARDWARES TYPE	-	OTHERS	CAM LATCH HANDLE, ARM STOPER FRICTION STAY & BUTT HINGE (ALUMINUM)
TOTAL NUMBER	15 UNITS		
LOCATION	TOILET		



WINDOW TYPE	AW6	WINDOW LEAF	TEMPERED CLEAR GLASS 8 MM THK.
OPENING SIZE	H : 1800 W : 1200	WINDOW FRAME	ALUMINUM FRAME (SHOP FRONT) ANODIZED FINISH
HARDWARES TYPE	-	OTHERS	
TOTAL NUMBER	2 UNITS		
LOCATION	ELECTRICAL ROOM		



WINDOW TYPE	AW7	WINDOW LEAF	TEMPERED CLEAR GLASS 8 MM THK.
OPENING SIZE	H : 1400 W : 2000	WINDOW FRAME	ALUMINUM FRAME (SHOP FRONT) ANODIZED FINISH
HARDWARES TYPE	-	OTHERS	
TOTAL NUMBER	48 UNITS		
LOCATION	SERVING ROOM		

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REFERENCE DRAWINGS

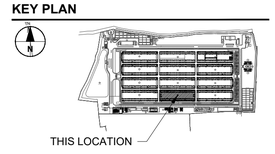
SITE LAYOUT	PCGCJF-0-OCB-AR-PLA-001
STRUCTURAL STANDARD DRAWINGS	PCGCJF-0-UDA-SC-DET-001
ARCHITECT STANDARD DRAWING	PCGCJF-0-UDA-AR-DET-001
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TITLE	DRAWING NO.

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REVISION

REV	DATE	DESCRIPTION	BY	CKD	APP
0	25/03/2022	ISSUED FOR CONSTRUCTION	TSW	RD	IHF

KEY PLAN



CONSULTANT JOB NUMBER

JKTD21044

DRAWING TITLE

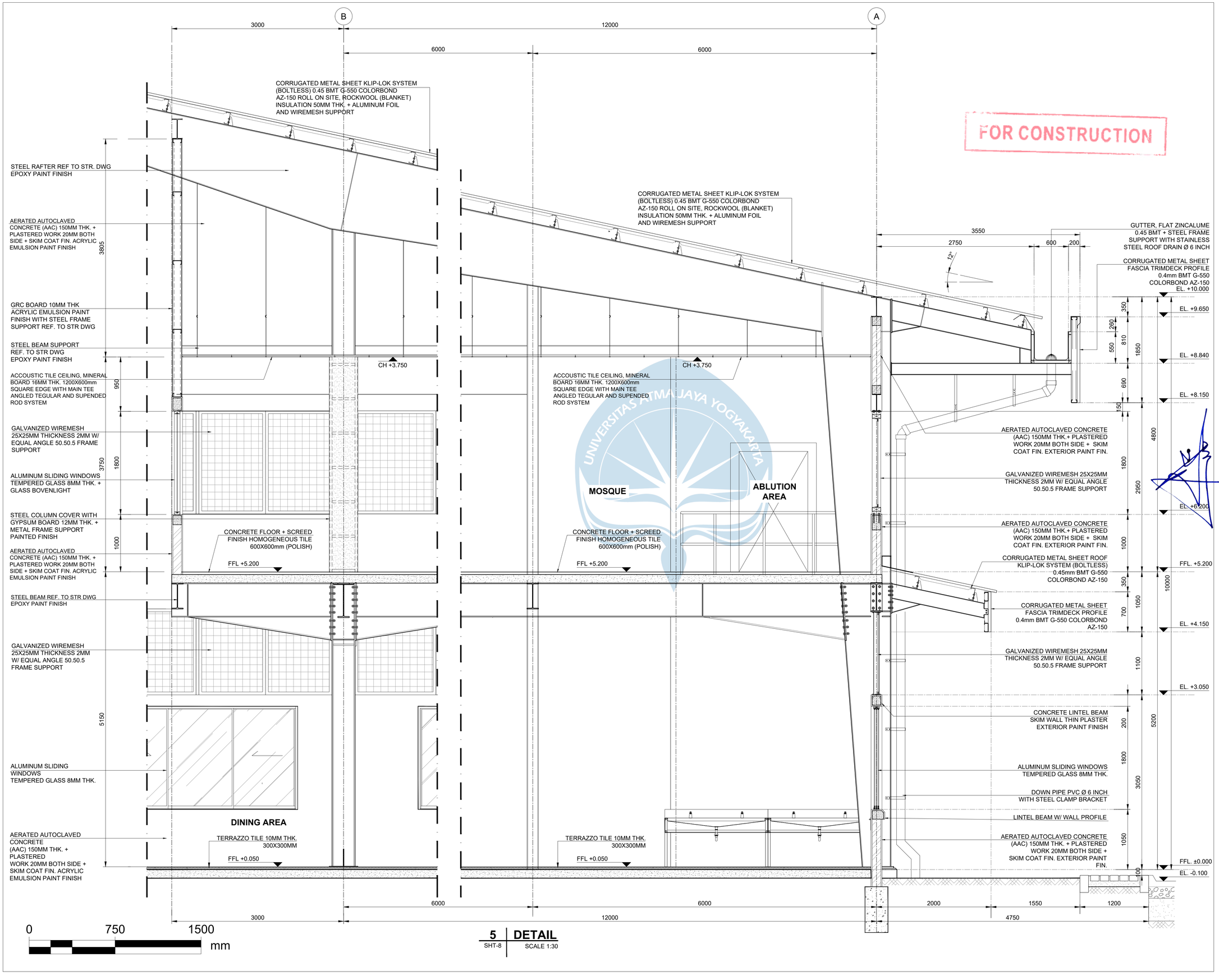
CANTEEN BUILDING
DETAIL
DOOR WINDOW SCHEDULE #2

DRAWING NO.

PCGCJF-0-UYD-AR-DET-001

SCALE	SHEET	DATE	REV
NTS	11	25/03/2022	0

ISO A1 594mm x 841mm



5 | DETAIL
SHT-8 | SCALE 1:30

FOR CONSTRUCTION

AECOM

PROJECT

PCG CENTRAL JAVA
INDUSTRIAL PROJECT
PEKALONGAN FACTORY

CLIENT

HAI
PT. HARDASES ABADI INDONESIA

CONSULTANT

AECOM
PT. AECOM INDONESIA
South Quarter Building, Tower C 5th Floor
Jl. RA. Kartini Kav.8, Cilandak Barat
Jakarta Selatan 12430. Indonesia

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS NOTED OTHERWISE.
2. ALL ELEVATION ARE IN METERS.
3. FOR OTHER NOTES REFER TO DWG NO. PCGCJF-0-UYD-AR-GNA-001 SHEET-1.

REFERENCE DRAWINGS

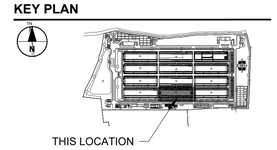
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STRUCTURAL STANDARD DRAWING	PCGCJF-0-UDA-SC-DET-001
CIVIL STANDARD DRAWING	PCGCJF-0-UDA-CV-DET-001
ARCHITECT STANDARD DRAWING	PCGCJF-0-UDA-AR-DET-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-AR-GNA-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-SC-GNA-001
TITLE	DRAWING NO.

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KEY PLAN



CONSULTANT JOB NUMBER

JKTD21044

DRAWING TITLE

CANTEEN BUILDING
DETAIL
SECTION DETAIL #3

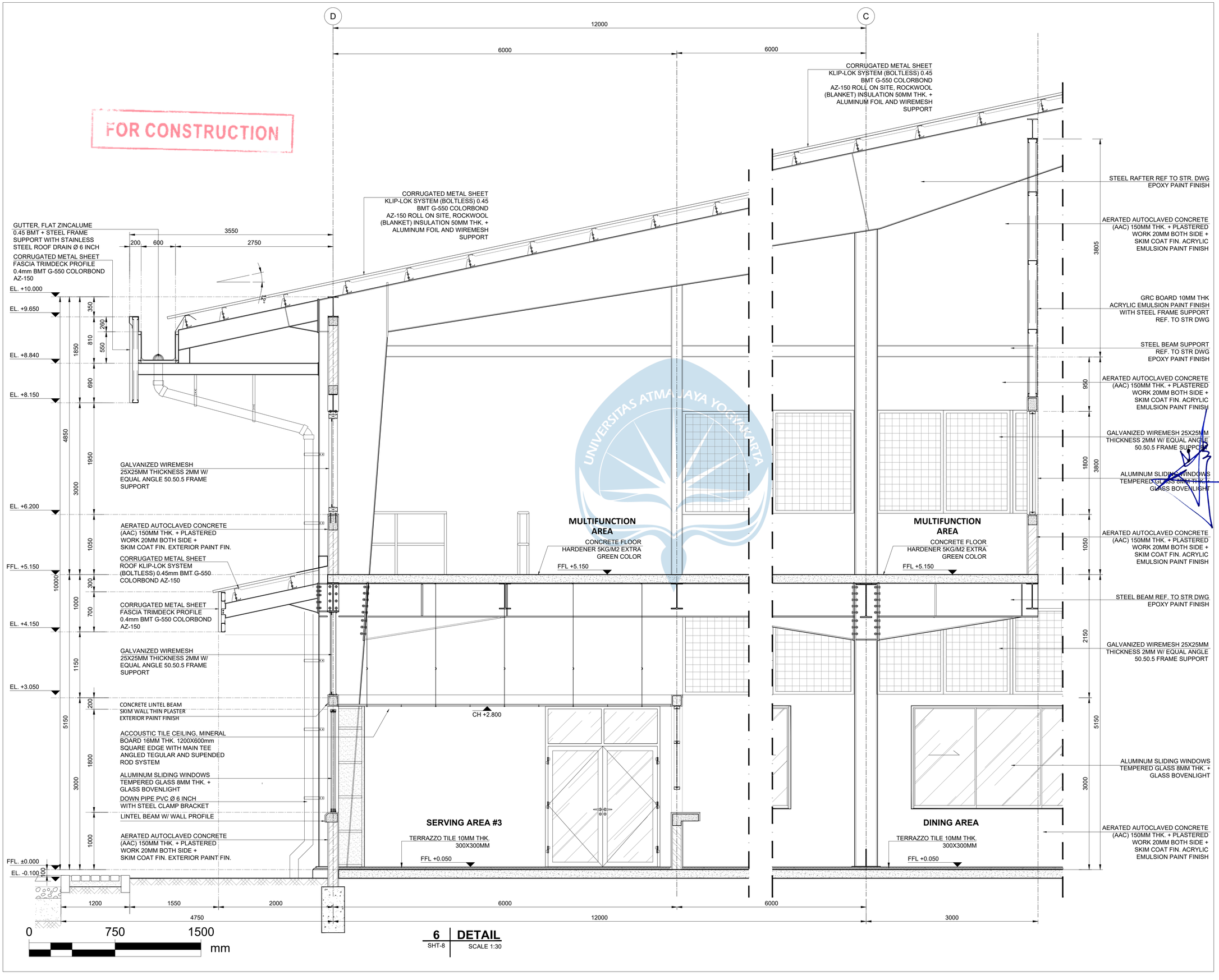
DRAWING NO.

PCGCJF-0-UYD-AR-DET-001

SCALE	SHEET	DATE	REV
1:30	12	25/03/2022	0

ISO A1 594mm x 841mm

FOR CONSTRUCTION



6 DETAIL
SHT-8 SCALE 1:30

AECOM

PROJECT

PCG CENTRAL JAVA
INDUSTRIAL PROJECT
PEKALONGAN FACTORY

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PT. AECOM INDONESIA
South Quarter Building, Tower C 5th Floor
Jl. RA. Kartini Kav.8, Cilandak Barat
Jakarta Selatan 12430. Indonesia

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REFERENCE DRAWINGS

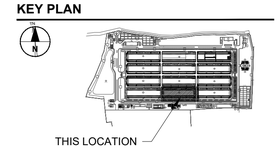
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STRUCTURAL STANDARD DRAWING	PCGCJF-0-UDA-SC-DET-001
CIVIL STANDARD DRAWING	PCGCJF-0-UDA-CV-DET-001
ARCHITECT STANDARD DRAWING	PCGCJF-0-UDA-AR-DET-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-AR-GNA-001
CANTEEN BUILDING GENERAL ARRANGEMENT	PCGCJF-0-UYD-SC-GNA-001
TITLE	DRAWING NO.

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REVISION

REV	DATE	DESCRIPTION	BY	CKD	APP
0	25/03/2022	ISSUED FOR CONSTRUCTION	TSW	RD	IHF

KEY PLAN



CONSULTANT JOB NUMBER

JKTD21044

DRAWING TITLE

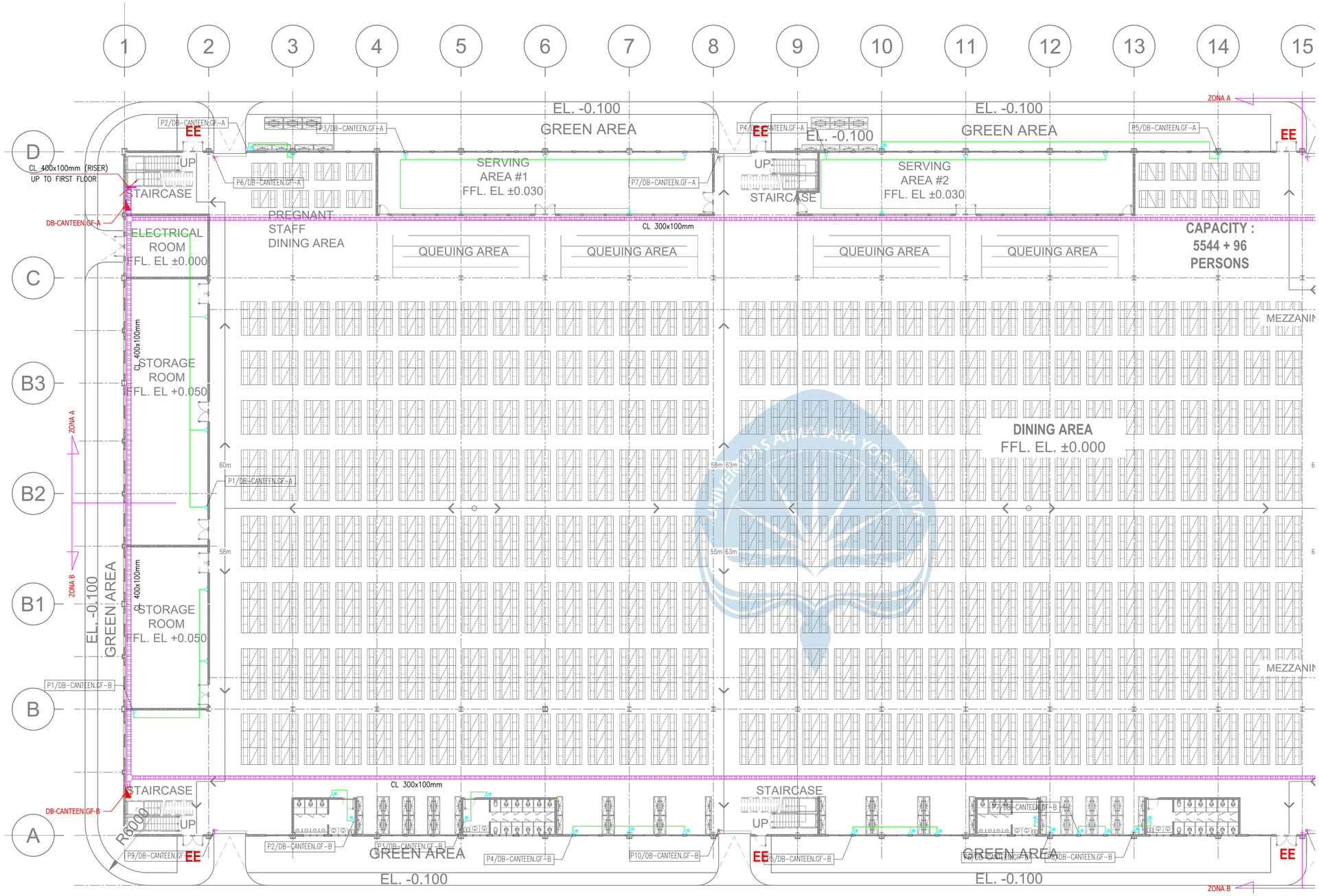
CANTEEN BUILDING
DETAIL
SECTION DETAIL #4

DRAWING NO.

PCGCJF-0-UYD-AR-DET-001

SCALE	SHEET	DATE	REV
1:30	13	25/03/2022	0

LAMPIRAN MEP



INSTALLATION SOCKET OULET & CABLE LADDER GROUND FLOOR ZONE A-B CANTEEN - F8

SCALE 1 : 200

AECOM

PROJECT

PCG CENTRAL JAVA INDUSTRIAL PROJECT
PEKALONGAN FACTORY

CLIENT

HAI
PT. HARDASES ABADI INDONESIA

CONSULTANT

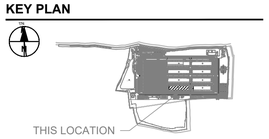
AECOM
PT. AECOM INDONESIA
South Quarter Building, Tower C 5th Floor
Jl. RA. Kartini Kav.8, Cilandak Barat
Jakarta Selatan 12430. Indonesia

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REVISION

REV	DATE	DESCRIPTION	BY	CKD	APP
			ARD	ISP	
0	09/09/2022	ISSUED FOR CONSTRUCTION	ARD	ISP	

KEY PLAN



CONSULTANT JOB NUMBER

-

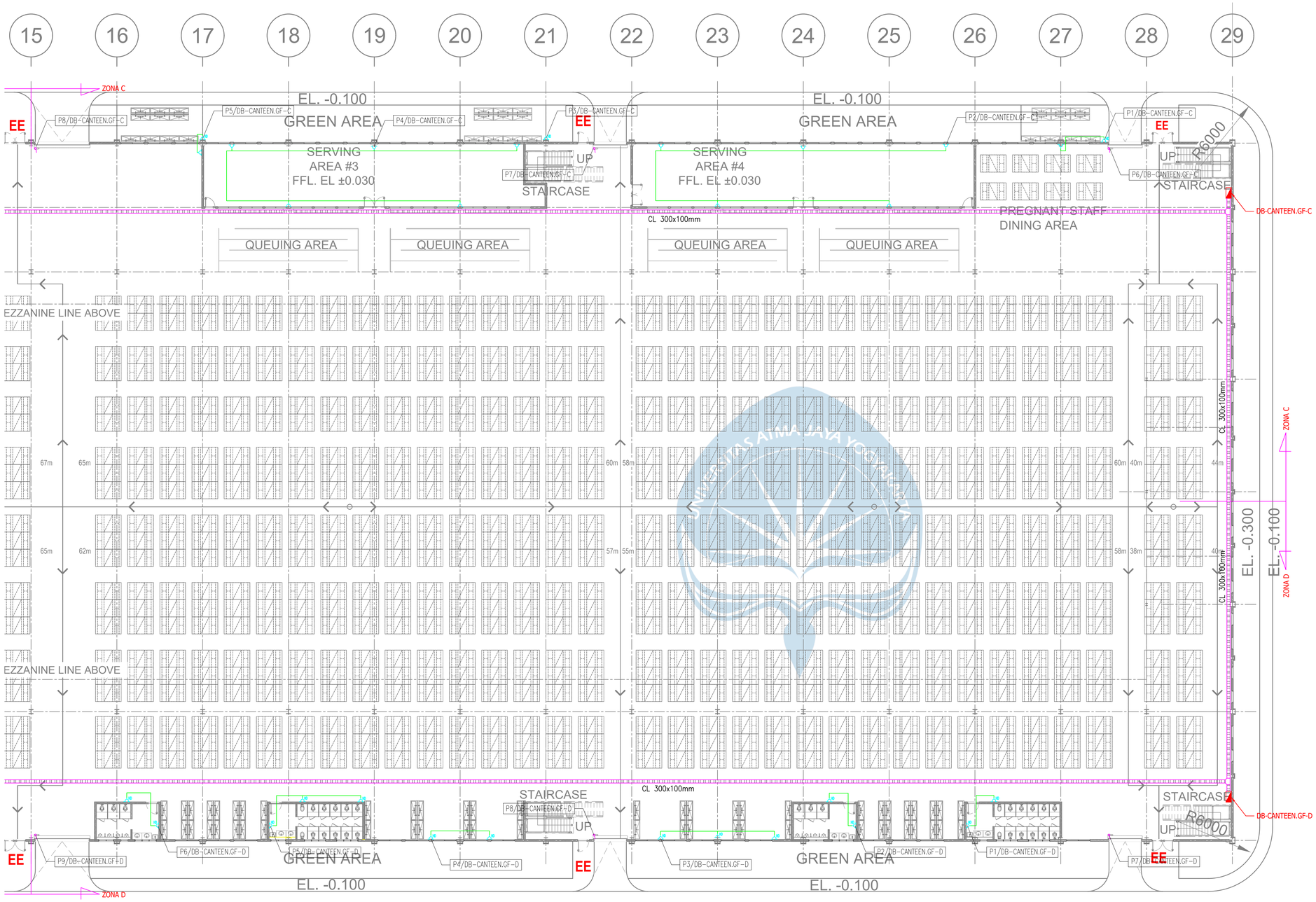
DRAWING TITLE

INSTALLATION SOCKET OUTLET & CABLE LADDER GROUND FLOOR ZONE A-B CANTEEN

DRAWING NO.

HAI-0-CTN-EL-PLA-PS-001.1

SCALE	SHEET	DATE	REV
1:400	1 OF 2	09/09/2022	0



INSTALLATION SOCKET OULET & CABLE LADDER GROUND FLOOR ZONE C-D CANTEEN - F8

SCALE 1 : 200

AECOM

PROJECT

PCG CENTRAL JAVA INDUSTRIAL PROJECT
PEKALONGAN FACTORY

CLIENT

HAI
PT. HARDASES ABADI INDONESIA

CONSULTANT

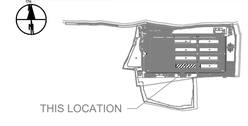
AECOM
PT. AECOM INDONESIA
South Quarter Building, Tower C 5th Floor
Jl. RA. Kartini Kav.8, Cilandak Barat
Jakarta Selatan 12430. Indonesia

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REVISION

REV	DATE	DESCRIPTION	BY	CKD	APP
			ardo	I	
0	09/09/2022	ISSUED FOR CONSTRUCTION	ARD	ISP	

KEY PLAN



CONSULTANT JOB NUMBER

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DRAWING TITLE

INSTALLATION SOCKET OUTLET & CABLE LADDER GROUND FLOOR ZONE C-D CANTEEN

DRAWING NO.

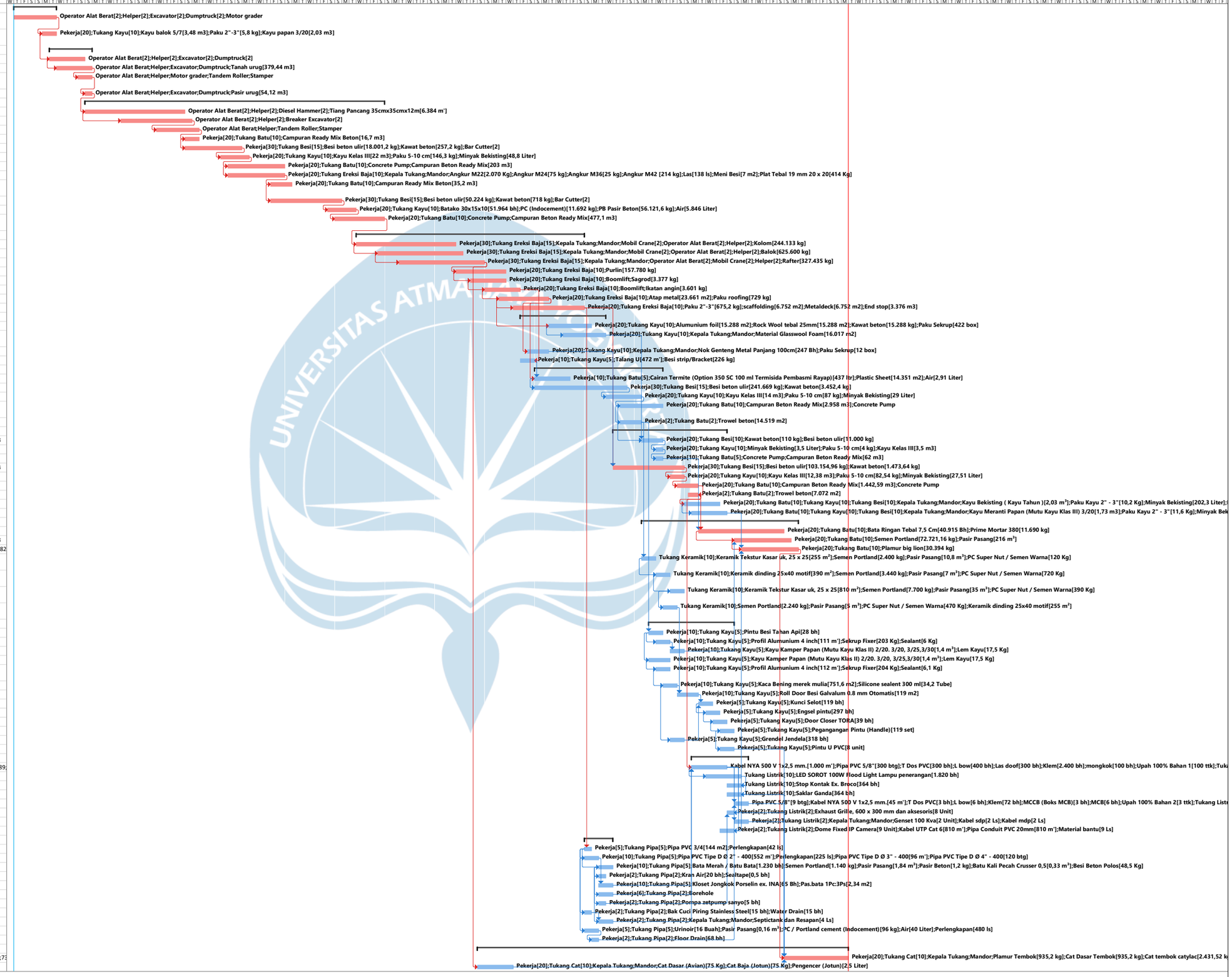
HAI-0-CTN-EL-PLA-PS-001.2

SCALE	SHEET	DATE	REV
1:400	2 OF 2	09/09/2022	0

LAMPIRAN
MANAJEMEN BIAYA DAN WAKTU

PROYEK PEMBANGUNAN GEDUNG KANTIN

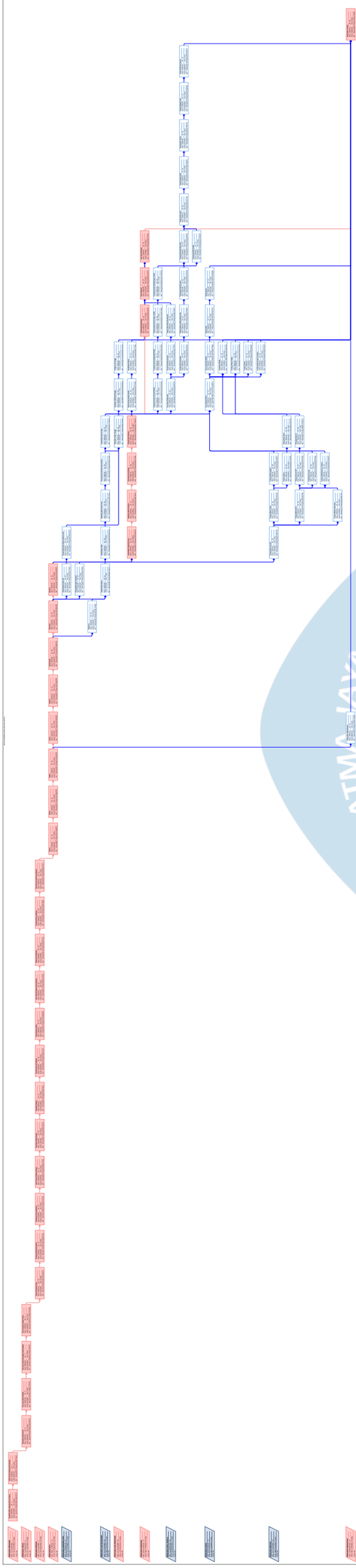
ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
1		**PEKERJAAN PERSIAPAN**	**6 days**	**Thu 29/02/24**	**Tue 05/03/24**	
2		Membersihkan lapangan dan perataan	6 days	Thu 29/02/24	Tue 05/03/24	
3		Uitset dan Pengukuran Bouwplank	2 days	Mon 04/03/24	Tue 05/03/24	2FS-2 days
4		**PEKERJAAN TANAH**	**6 days**	**Tue 05/03/24**	**Sun 10/03/24**	
5		Pekerjaan galian tanah	5 days	Tue 05/03/24	Sat 09/03/24	3SS+1 day
6		Pek. Urug tanah kembali	5 days	Wed 06/03/24	Sun 10/03/24	5SS+1 day
7		Pek. Urug tanah peninggian lantai dipadatkan	2 days	Sat 09/03/24	Sun 10/03/24	6FS-2 days
8		Pek. Urug pasir bawah lanta	1 day	Sun 10/03/24	Sun 10/03/24	7FS-1 day
9		**PEKERJAAN PONDASI**	**42 days**	**Sun 10/03/24**	**Sat 20/04/24**	
10		Pasang Tiang Pancang	14 days	Sun 10/03/24	Sat 23/03/24	8FS-1 day
11		Cutting Head Pilecap Work	10 days	Fri 15/03/24	Sun 24/03/24	10SS+5 days
12		Persiapan dan pemadatan	6 days	Wed 20/03/24	Mon 25/03/24	11FS-5 days
13		Lean Concrete Below Pileca	2 days	Sun 24/03/24	Mon 25/03/24	12FS-2 days
14		Pekerjaan Rebar Pilecap	8 days	Sun 24/03/24	Sun 31/03/24	13SS
15		Bekisting Pilecap	4 days	Fri 29/03/24	Mon 01/04/24	14FS-3 days
16		Pouring Concrete Pilecap	8 days	Sat 30/03/24	Sat 06/04/24	15FS-3 days
17		Pemasangan Angkur	8 days	Sat 30/03/24	Sat 06/04/24	16SS
18		Lean Conrete Below Ground Beam	3 days	Fri 05/04/24	Sun 07/04/24	17FS-2 days
19		Rebar Ground Beam	10 days	Fri 05/04/24	Sun 14/04/24	18SS
20		Formwork Ground Beam	4 days	Sat 13/04/24	Tue 16/04/24	19FS-2 days
21		Pouring Concrete Ground Beam	7 days	Sun 14/04/24	Sat 20/04/24	20FS-3 days
22		**PEKERJAAN BAJA**	**32 days**	**Wed 17/04/24**	**Sat 18/05/24**	
23		Kolom	14 days	Wed 17/04/24	Tue 30/04/24	21FS-4 days
24		Balok	12 days	Sat 20/04/24	Wed 01/05/24	23SS+3 days
25		Rafter	12 days	Tue 23/04/24	Sat 04/05/24	24SS+3 days
26		Purlin	7 days	Wed 01/05/24	Tue 07/05/24	25FS-4 days
27		Sagrod	5 days	Fri 03/05/24	Tue 07/05/24	26SS+2 days
28		Ikatan Angin	5 days	Sun 05/05/24	Thu 09/05/24	27SS+2 days
29		Atap Besi	7 days	Tue 07/05/24	Mon 13/05/24	28SS+2 days
30		Bondek	10 days	Thu 09/05/24	Sat 18/05/24	29SS+2 days
31		**PEKERJAAN AKSESORIS ATAP**	**12 days**	**Fri 10/05/24**	**Tue 21/05/24**	
32		Pasang Alumunium foil	6 days	Tue 14/05/24	Sun 19/05/24	29SS+7 days
33		Pasang Glasswool Atap peredam suara	6 days	Thu 16/05/24	Tue 21/05/24	32SS+2 days
34		Pasang Bubungan Atap Besi	3 days	Sat 11/05/24	Mon 13/05/24	29FS-3 days
35		Talang air	2 days	Fri 10/05/24	Sat 11/05/24	28FF+2 days
36		**PEKERJAAN SLAB ON GROUNI**	**18 days**	**Sun 12/05/24**	**Wed 29/05/24**	
37		Install Plastic Sheet	5 days	Sun 12/05/24	Thu 16/05/24	29FS-2 days;35
38		Install Rebar Slab	13 days	Sun 12/05/24	Fri 24/05/24	37SS
39		Bekisting Slab Ground Floor	5 days	Wed 22/05/24	Sun 26/05/24	38FS-3 days
40		Pouring Concrete Slab Ground Floor	6 days	Fri 24/05/24	Wed 29/05/24	39FS-3 days
41		Trowel Slab Ground Floor	3 days	Fri 24/05/24	Sun 26/05/24	40SS
42		**PEKERJAAN SLAB MEZZANINE**	**16 days**	**Thu 23/05/24**	**Fri 07/06/24**	
43		Pekerjaan Rebar Tangga	3 days	Mon 27/05/24	Wed 29/05/24	40SS+3 days;33
44		Pekerjaan Bekisting Tangga	1 day	Wed 29/05/24	Wed 29/05/24	43FS-1 day
45		Pengecoran Tangga	1 day	Wed 29/05/24	Wed 29/05/24	44FS-1 day
46		Install Rebar Slab First Floor	10 days	Thu 23/05/24	Sat 01/06/24	30FS+4 days;34
47		Bekisting Slab First Floor	2 days	Fri 31/05/24	Sat 01/06/24	46FS-2 days
48		Pouring Concrete Slab	3 days	Sat 01/06/24	Mon 03/06/24	47FS-1 day
49		Trowel slab first floor	1,5 days	Sun 02/06/24	Mon 03/06/24	48FF
50		Beton kolom praktis 10x10	5 days	Sun 02/06/24	Thu 06/06/24	49FS-2 days
51		Bond Beam 10x15	5 days	Mon 03/06/24	Fri 07/06/24	50SS+1 day
52		**PEKERJAAN PASANGAN**	**22 days**	**Mon 27/05/24**	**Mon 17/06/24**	
53		Pas Dinding Bata Hebel	12 days	Tue 04/06/24	Sat 15/06/24	49;45
54		Pek. Plesteran	8 days	Sun 09/06/24	Sun 16/06/24	53SS+5 days;63
55		Pek. Acian Dinding	8 days	Mon 10/06/24	Mon 17/06/24	54SS+1 day;51;82
56		Pasang keramik lantai KM 25x25	2 days	Mon 27/05/24	Tue 28/05/24	41
57		Pasang keramik dinding KM 25x40	2 days	Wed 29/05/24	Thu 30/05/24	56SS+2 days
58		Pasang keramik Lantai dapur 25x25	2 days	Fri 31/05/24	Sat 01/06/24	57SS+2 days
59		Pasang keramik Dinding dapur 25x40	2 days	Thu 30/05/24	Fri 31/05/24	58SS-1 day
60		**PEKERJAAN PINTU JENDELA**	**12 days**	**Tue 28/05/24**	**Sat 08/06/24**	
61		Pas. Kusen Pintu besi	2 days	Tue 28/05/24	Wed 29/05/24	61FS+1 day
62		Kusen Pintu Alumunium	2 days	Wed 29/05/24	Thu 30/05/24	61SS+1 day
63		Pasang daun Pintu Alumuniu	2 days	Thu 30/05/24	Sat 01/06/24	62
64		pasang daun Pintu Besi	3 days	Tue 28/05/24	Thu 30/05/24	61SS
65		Pasang Kusen Jendela Alumunium	2 days	Wed 29/05/24	Thu 30/05/24	64SS+1 day
66		Pasang kaca bening 5mm	2 days	Thu 30/05/24	Fri 31/05/24	65SS+1 day
67		Pasang Pintu Roll Door Besi	3 days	Sat 01/06/24	Mon 03/06/24	66;59
68		Pasang kunci selot	2 days	Tue 04/06/24	Wed 05/06/24	67;72
69		Pasang Engsel pintu	2 days	Wed 05/06/24	Thu 06/06/24	68SS+1 day
70		Pasang Door Closer	2 days	Thu 06/06/24	Fri 07/06/24	69SS+1 day
71		Pasang Gagang Pintu	2 days	Fri 07/06/24	Sat 08/06/24	70SS+1 day
72		Pasang grendel jendela	2 days	Thu 30/05/24	Sat 01/06/24	66SS+1 day
73		Pintu PVC Kamar mandi	2 days	Fri 07/06/24	Sat 08/06/24	71SS
74		**PEKERJAAN LISTRIK**	**8 days**	**Mon 03/06/24**	**Mon 10/06/24**	
75		Pas. Instalasi listrik	5 days	Mon 03/06/24	Fri 07/06/24	49FS-1 day;88;89
76		Pas. Lampu LED 100 W	5 days	Wed 05/06/24	Sun 09/06/24	75SS+2 days
77		Stop kontak	2 days	Sat 08/06/24	Sun 09/06/24	76FF
78		Saklar ganda	2 days	Sat 08/06/24	Sun 09/06/24	77FF
79		Panel box 3 MCB	2 days	Sun 09/06/24	Mon 10/06/24	75FS+1 day;94
80		Pasang Exhaust Dapur	1 day	Sat 08/06/24	Sat 08/06/24	75FF+1 day;90
81		Pasang Genset	2 days	Sat 08/06/24	Mon 10/06/24	75FS+1 day
82		Pasang Dome Fixed IP Came	2 days	Fri 07/06/24	Sat 08/06/24	75FF+1 day
83		**PEKERJAAN SANITASI**	**4 days**	**Sun 19/05/24**	**Wed 22/05/24**	
84		Pasang Pipa air bersih	1 day	Sun 19/05/24	Sun 19/05/24	30
85		Pasang Pipa air kotor	2 days	Sun 19/05/24	Mon 20/05/24	84SS
86		Pasang Bak kontrol	2 days	Tue 21/05/24	Wed 22/05/24	85SS+2 days
87		Pasang kran air 3/4"	1 day	Tue 21/05/24	Tue 21/05/24	86SS
88		Pasang Kloset jongkok	2 days	Tue 21/05/24	Wed 22/05/24	85
89		Pengeboran sumur	2 days	Tue 21/05/24	Wed 22/05/24	86SS
90		Pasang pompa air	1 day	Tue 21/05/24	Tue 21/05/24	87SS
91		Pasang Kitchen zink dapur	1 day	Sun 19/05/24	Sun 19/05/24	84SS
92		Pasang Septiktang dan resap	2 days	Tue 21/05/24	Wed 22/05/24	86SS;91
93		Pasang Urinoir	2 days	Sun 19/05/24	Mon 20/05/24	85SS
94		Pasang Floor Drain	1 day	Mon 20/05/24	Mon 20/05/24	93FS-1 day
95		**PEKERJAAN PENGECATAN**	**52 days**	**Sat 04/05/24**	**Mon 24/06/24**	
96		Pengecatan dinding	9 days	Sun 16/06/24	Mon 24/06/24	55FS-2 days;97;73
97		Pengecatan Baja Galvanis	5 days	Sat 04/05/24	Wed 08/05/24	25FS-1 day



PROYEK PEMBANGUNAN GEDU

Task | Milestone | Project Summary | Inactive Milestone | Manual Task | Manual Summary Rollup | Start-only | External Tasks | Deadline | Critical Split | Manual Progress

Split | Summary | Inactive Task | Inactive Summary | Duration-only | Manual Summary | Finish-only | External Milestone | Critical | Progress



UNIVERSITAS ATMA JAYA YOGYAKARTA

ITEM PEKERJAAN	Bobot	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PEKERJAAN PERSIAPAN																			
Membersihkan lapangan dan perataan	0,0826	0,0606	0,0220																
Uitset dan Pengukuran Bouwplank	0,0156		0,0156																
PEKERJAAN TANAH																			
Pekerjaan galian tanah	0,0612		0,0612																
Pek. Urug tanah kembali	0,0846		0,0631	0,0216															
Pek. Urug tanah peninggian lantai dipadatkan	0,0258		0,0129	0,0129															
Pek. Urug pasir bawah lantai	0,0232			0,0232															
PEKERJAAN PONDASI																			
Pasang Tiang Pancang	5,6417			2,8208	2,8208														
Cutting Head Pilecap Work	0,0794			0,0019	0,0678	0,0097													
Persiapan dan pemadatan	0,0333				0,0222	0,0111													
Lean Concrete Below Pilecap	0,0339					0,0339													
Pekerjaan Rebar Pilecap	0,3792					0,1896	0,1896												
Bekisting Pilecap	0,1161					0,0581	0,0581												
Pouring Concrete Pilecap	0,3975					0,1987	0,1987												
Pemasangan Angkur	0,5151					0,2576	0,2576												
Lean Conrete Below Ground Beam	0,0630						0,0315	0,0315											
Rebar Ground Beam	0,8433						0,2811	0,2811	0,2811										
Formwork Ground Beam	0,2146							0,0540	0,1606										
Pouring Concrete Ground Beam	0,7428								0,7428										
PEKERJAAN BAJA																			
Kolom	11,6068								3,8689	3,8689	3,8689								
Balok	29,3234								9,7745	9,7745	9,7745								
Rafter	15,3339									7,6669	7,6669								
Purlin	7,4020										3,7010	3,7010							
Sagrod	0,2380										0,1002	0,1378							
Ikatan Angin	0,2500											0,2500							
Atap Besi	3,7939											1,8969	1,8969						
Bondek	2,0134											1,0067	1,0067						
PEKERJAAN AKSESORIS ATAP																			
Pasang Alumunium foil	2,3894												1,1947	1,1947					
Pasang Glasswool Atap peredam suara	0,3097												0,1595	0,1502					
Pasang Bubungan Atap Besi	0,0324											0,0108	0,0216						
Talang air	0,0194											0,0194							
PEKERJAAN SLAB ON GROUND																			
Install Plastic Sheet	0,1449												0,1449						
Install Rebar Slab	4,0029												2,0014	2,0014					
Bekisting Slab Ground Floor	0,0685													0,0550	0,0135				
Pouring Concrete Slab Ground Floor	4,3961													2,1981	2,1981				
Trowel Slab Ground Floor	0,4533													0,3024	0,1510				
PEKERJAAN SLAB MEZZANINE																			
Pekerjaan Rebar Tangga	0,1828														0,1828				
Pekerjaan Bekisting Tangga	0,0157														0,0157				
Pengecoran Tangga	0,0972														0,0972				
Install Rebar Slab First Floor	1,6865													0,5068	1,1798				
Bekisting Slab First Floor	0,0548														0,0548				
Pouring Concrete Slab	2,1441														0,7153	1,4288			
Trowel slab first floor	0,2210															0,2210			
Beton kolom praktis 10x10	0,1842															0,1842			
Bond Beam 10x15	0,1430															0,1430			
PEKERJAAN PASANGAN																			
Pas Dinding Bata Hebel	0,4144															0,1727	0,2417		
Pek. Plesteran	0,2895																0,2533	0,0362	
Pek. Acian Dinding	0,9045																0,6784	0,2261	
Pasang keramik lantai KM 25x25	0,0410														0,0410				
Pasang keramik dinding KM 25x40	0,0591														0,0591				
Pasang keramik Lantai dapur 25x25	0,1206														0,1206				
Pasang keramik Dinding dapur 25x40	0,0403														0,0403				
PEKERJAAN PINTU JENDELA																			
Pas. Kusen Pintu besi	0,2613														0,2613				
Kusen Pintu Alumunium	0,0344														0,0344				
Pasang daun Pintu Alumunium	0,0216														0,0216				
pasang daun Pintu Besi	0,0298														0,0298				
Pasang Kusen Jendela Alumunium	0,0346														0,0346				
Pasang kaca bening 5mm	0,1470														0,1470				
Pasang Pintu Roll Door Besi	0,1860														0,0620	0,1240			
Pasang kunci selot	0,0084															0,0084			
Pasang Engsel pintu	0,0116															0,0116			
Pasang Door Closer	0,0131															0,0131			
Pasang Gagang Pintu	0,0324															0,0324			
Pasang grendel jendela	0,0122														0,0122				
Pintu PVC Kamar mandi	0,0060															0,0060			
PEKERJAAN LISTRIK																			
Pas. Instalasi listrik	0,0499															0,0499			
Pas. Lampu LED 100 W	0,2911															0,2328	0,0582		
Stop kontak	0,0216															0,0108	0,0108		
Saklar ganda	0,0216															0,0108	0,0108		
Panel box 3 MCB	0,0030																0,0030		
Pasang Exhaust Dapur	0,0033															0,0033			
Pasang Genset	0,5029																0,5029		
Pasang Dome Fixed IP Camera	0,0694															0,0694			
PEKERJAAN SANITASI																			
Pasang Pipa air bersih	0,0063													0,0063					
Pasang Pipa air kotor	0,0378													0,0378					
Pasang Bak kontrol	0,0124													0,0124					
Pasang kran air 3/4"	0,0022													0,0022					
Pasang Kloset jongkok	0,0235													0,0235					
Pengeboran sumur	0,0087													0,0087					
Pasang pompa air	0,0386													0,0386					
Pasang Kitchen zink dapur	0,0232													0,0232					
Pasang Septiktang dan resapan	0,0216													0,0216					
Pasang Urinoir	0,0469													0,0469					
Pasang Floor Drain	0,0064													0,0064					
PEKERJAAN PENGECATAN																			
Pengecatan dinding	0,2463																	0,1916	0,0547
Pengecatan Baja Galvanis	0,0356										0,0097	0,0259							
Progress Rencana	100,00	0,0606	0,1748	2,8805	2,9108	0,7587	1,0166	0,3666	14,8279	21,3103	25,1212	7,0484	6,4257	6,6361	5,4719	2,7220	1,7592	0,4539	0,0547
Total Kumulatif Progress Rencana		0,0606	0,2354	3,1159	6,0267	6,7854	7,8020	8,1686	22,9966	44,3069	69,4281	76,4765	82,9022	89,5383	95,0102	97,7322	99,4914	99,9453	100,00

PENENTUAN HUBUNGAN ANTAR KEGIATAN DAN JENIS TUMPANG TINDIH ANTAR KEGIATAN				
NO	NAMA PEKERJAAN	PREDECESSOR	HUBUNGAN ANTAR KEGIATAN	HUBUNGAN ANTAR KEGIATAN
A	**PEKERJAAN PERSIAPAN**			
1	Membersihkan lapangan dan perataan	-	-	6
2	Uitset dan Pengukuran Bouwplank	A1	FS-2 days	2
B	**PEKERJAAN TANAH**			
1	Pekerjaan galian tanah	A2	SS+1 day	5
2	Pek. Urug tanah kembali	B1	SS+1 day	5
3	Pek. Urug tanah peninggian lantai dipadatkan	B2	FS-2 days	2
4	Pek. Urug pasir bawah lantai	B3	FS-1 day	1
C	**PEKERJAAN BETON**			
1	Pasang Tiang Pancang	B4	FS-1 day	14
2	Cutting Head Pilecap Work	C1	SS+5 days	10
3	Persiapan dan pemadatan	C2	FS-5 days	6
4	Lean Concrete Below Pilecap	C3	FS-2 days	2
5	Pekerjaan Rebar Pilecap	C4	SS-0 day	8
6	Bekisting Pilecap	C5	FS-3 days	4
7	Pouring Concrete Pilecap	C6	FS-3 days	8
8	Pemasangan Angkur	C7	SS-0 day	8
9	Lean Conrete Below Ground Beam	C8	FS-2 days	3
10	Rebar Ground Beam	C9	SS-0 day	10
11	Formwork Ground Beam	C10	FS-2 days	4
12	Pouring Concrete Ground Beam	C11	FS-3 days	7
D	**PEKERJAAN BAJA**			
1	Kolom	C12	FS-4 day	14
2	Balok	D1	SS+3 days	12
3	Rafter	D2	SS+3 days	12
4	Purlin	D3	FS-4 days	7
5	Sagrod	D4	SS+2 days	5
6	Ikatan Angin	D5	SS+2 days	5
7	Atap Besi	D6	SS+2 days	7
8	Bondek	D7	SS+2 days	10
E	**PEKERJAAN AKSESORIS ATAP**			
1	Pasang Alumunium foil	D7	SS+7 days	6
2	Pasang Glasswool Atap peredam suara	E1	SS+2 days	6
3	Pasang Bubungan Atap Besi	D7	FS-3 days	3
4	Talang air	D6	FF+2 days	2
F	**PEKERJAAN SLAB ON GROUND**			
1	Install Plastic Sheet	D7,E4	FS-2 days, FS-0 day	5
2	Install Rebar Slab	F1	SS-0 day	13
3	Bekisting Slab Ground Floor	F2	FS-3 days	5
4	Pouring Concrete Slab Ground Floor	F3	FS-3 days	6
5	Trowel Slab Ground Floor	F4	SS-0 day	3
G	**PEKERJAAN SLAB MEZZANINE**			
1	Pekerjaan Rebar Tangga	F4,E2	SS+3 days, FS-0 day	3
2	Pekerjaan Bekisting Tangga	G1	FS-1 day	1
3	Pengecoran Tangga	G2	FS-1 day	1
4	Install Rebar Slab First Floor	D8,E3	FS-4 days. FS-0 day	10
5	Bekisting Slab First Floor	G4	FS-2 days	2
6	Pouring Concrete Slab	G5	FS-1 day	3
7	Trowel slab first floor	G6	FF-0 day	3
8	Beton kolom praktis 10x10	G7	FS-2 days	5
9	Bond Beam 10x15	G8	SS+1 day	5
H	**PEKERJAAN PASANGAN**			
1	Pas Dinding Bata Hebel	G7,G2	FS-0 day, FS-0 day	12
2	Pek. Plesteran	H1,I3	SS+5 days, FS-0 day	8
3	Pek. Acian Dinding	H2,G9,J8	SS+1 day, FS-0 day, FS-0 day	8
4	Pasang keramik lantai KM 25x25	F5	FS-0 day	2
5	Pasang keramik dinding KM 25x40	H4	SS+2 days	2
6	Pasang keramik Lantai dapur 25x25	H5	SS+2 days	2
7	Pasang keramik Dinding dapur 25x40	H6	SS-1 days	2
I	**PEKERJAAN PINTU JENDELA**			
1	Pas. Kusen Pintu besi	F5	FS+1 day	2
2	Kusen Pintu Alumunium	I1	SS+1 day	2
3	Pasang daun Pintu Alumunium	I2	FS-0 day	2
4	pasang daun Pintu Besi	I1	SS-0 day	3
5	Pasang Kusen Jendela Alumunium	I4	SS+1 day	2
6	Pasang kaca bening 5mm	I5	SS+1 day	2
7	Pasang Pintu Roll Door Besi	I6,H7	FS-0 day, FS-0 day	3
8	Pasang kunci selot	I7,I12	FS-0 day, FS-0 day	2
9	Pasang Engsel pintu	I8	SS+1 day	2
10	Pasang Door Closer	I9	SS+1 day	2
11	Pasang Gagang Pintu	I10	SS+1 day	2
12	Pasang grendel jendela	I6	SS+1 day	2
13	Pintu PVC Kamar mandi	I11	SS-0 day	2
J	**PEKERJAAN LISTRIK**			
1	Pas. Instalasi listrik	G7,K5,K6,K9	FS-1 day, FS-0 day, FS-0 day, FS-0 day	5
2	Pas. Lampu LED 100 W	J1	SS+2 days	5
3	Stop kontak	J2	FF-0 day	5
4	Saklar ganda	J3	FF-0 day	2
5	Panel box 3 MCB	J1,K11	FS+1 day, FS-0 day	2
6	Pasang Exhaust Dapur	J1,K7	FF+1 day, FS-0 day	1
7	Pasang Genset	J1	FS+1 day	2
8	Pasang Dome Fixed IP Camera	J1	FF+1 day	2
K	**PEKERJAAN SANITASI**			
1	Pasang Pipa air bersih	D8	FS-0 day	1
2	Pasang Pipa air kotor	K1	SS-0 day	2
3	Pasang Bak kontrol	K1	SS+2 days	2
4	Pasang kran air 3/4"	K3	SS+0 day	1
5	Pasang Kloset jongkok	K2	FS-0 day	2
6	Pengeboran sumur	K3	SS-0 day	2
7	Pasang pompa air	K4	SS-0 day	1
8	Pasang Kitchen zink dapur	K1	SS-0 day	1
9	Pasang Septiktang dan resapan	K3,K8	SS-0 day, FS-0 day	2
10	Pasang Urinoir	K2	SS-0 day	2
11	Pasang Floor Drain	K10	FS-1 day	1
L	**PEKERJAAN PENGECATAN**			
1	Pengecatan dinding	H3,L2,I13,J7,J6,J5,J4	FS-2 days,FS-0 day, FS-0 day, FS-0 day, FS-0 day, FS-0 day, FS-0 day	9
2	Pengecatan Baja Galvanis	D3	FS-1 day	5

DAFTAR HARGA BAHAN			
Jenis Bahan	Satuan	Harga	
Kayu balok 5/7	m3	Rp	1.500.000,00
Paku 2"-3"	kg	Rp	15.000,00
Kayu papan 3/20	m3	Rp	700.000,00
Tanah urug	m3	Rp	128.571,00
Pasir urug	m3	Rp	200.000,00
Campuran Beton Ready Mix	m3	Rp	770.000,00
Batako 30x15x10	Buah	Rp	1.600,00
PC / Portland cement (indocement)	Kg	Rp	1.470,00
PB Pasir beton	Kg	Rp	555,56
Kayu Kelas III	m3	Rp	2.266.666,67
Paku 5-10 cm	kg	Rp	20.500,00
Minyak Bekisting	Liter	Rp	8.100,00
Besi Beton ulir	kg	Rp	10.050,00
Kawat beton	kg	Rp	18.000,00
Campuran Beton Ready Mix	m3	Rp	950.000,00
Tiang pancang beton 35cmx35cm	m	Rp	550.000,00
Besi Beton ulir	kg	Rp	10.050,00
Kawat beton	kg	Rp	20.000,00
Metal Deck	m2	Rp	145.000,00
Paku 7-12 cm	kg	Rp	20.000,00
End Stop	m3	Rp	50.000,00
Kayu Kelas III	m3	Rp	2.266.666,67
Paku 5-10 cm	kg	Rp	20.500,00
Minyak Bekisting	Liter	Rp	8.100,00
Lakban	buah	Rp	3.500,00
Plastik Cor	m2	Rp	4.000,00
Kayu Bekisting (Kayu Tahun)	m^3	Rp	2.700.000,00
Paku Kayu 2" - 3"	Kg	Rp	22.000,00
Minyak Bekisting	ltr	Rp	4.350,00
Besi Beton	Kg	Rp	10.000,00
Kawat Ikat Beton (Bendrat)	Kg	Rp	18.000,00
Semen Portland	Kg	Rp	1.400,00
Pasir Beton	m3	Rp	160.762,00
Koral	m3	Rp	230.000,00
Solar	Liter	Rp	6.800,00
Minyak Pelumas (PERTAMINA MEDITRAN S10W SAE 10)	Liter	Rp	24.157,89
Kawat Las Listrik (2,6 mm)	Kg	Rp	40.000,00
Baja Profil	Kg	Rp	30.000,00
Atap Metal	m2	Rp	97.621,00
Paku Roofing	Kg	Rp	163.875,00
Talang U	m'	Rp	18.688,00
Besi strip/Bracket	kg	Rp	7.500,00
Ikatan angin atau trekstang	kg	Rp	23.149,56
Baut dia > 20 mm panjang 25 cm	bh	Rp	30.000,00
Las	ls	Rp	100.000,00
Meni Besi	m2	Rp	100.000,00
Plat Tebal 19 mm 20 x 20	Kg	Rp	10.000,00
Bata Ringan Tebal 7,5 Cm	Bh	Rp	4.730,00
Prime Mortar 380	kg	Rp	1.663,00
Semen Portland	Kg	Rp	1.400,00
Pasir Pasang	m^3	Rp	175.000,00
Plamur big lion	kg	Rp	17.986,92
Keramik Tekstur Kasar uk, 25 x 25	m^2	Rp	67.000,00
Semen Portland	Kg	Rp	1.400,00
Pasir Pasang	m^3	Rp	175.000,00
PC Super Nut / Semen Warna	Kg	Rp	6.000,00
Keramik dinding 25x40 motif	m^2	Rp	62.000,00
Keramik Tekstur Kasar uk, 25 x 25	m^2	Rp	67.000,00
Keramik dinding 25x40 motif	m^2	Rp	62.000,00
Alumunium foil	m2	Rp	12.700,00
Rock Wool tebal 25mm	m2	Rp	65.972,00
Kawat Ram	m2	Rp	19.125,00
Paku Sekrup	Box	Rp	81.400,00
Nok Genteng Metal Panjang 100cm	Buah	Rp	21.666,67
Paku Sekrup	Kg	Rp	163.875,00
Material Glasswool Foam	m2	Rp	11.388,39
Pintu Besi Tahan Api	Bh	Rp	4.200.000,00
Profil Alumunium 4 inch	m'	Rp	123.000,00
Sekrup Fixer	Kg	Rp	16.668,00
Sealant	Kg	Rp	100.000,00
Kusen Alumunium	m'	Rp	130.000,00
Sealent	tube	Rp	35.000,00
Karet List	m'	Rp	4.500,00
Rangka Papan Kamper Baja	m3	Rp	6.700.000,00

Taekwood Uk. Pintu	lbr	Rp	80.000,00
Formika	lbr	Rp	155.000,00
Paku Triplek	kg	Rp	16.500,00
Lem Putih	kg	Rp	15.000,00
Kayu Kamper Papan (Mutu Kayu Klas II) 2/20. 3/20, 3/25,3/30	m^3	Rp	8.700.000,00
Lem Kayu	Kg	Rp	15.000,00
Kaca Bening merek mulia	m2	Rp	120.000,00
Silicone sealent 300 ml	Tube	Rp	375,00
Roll Door Besi Galvalum 0.8 mm Otomatis	m2	Rp	950.000,00
Engsel pintu	Bh	Rp	15.000,00
Kunci Selot	Bh	Rp	20.000,00
Door Closer TORA	Bh	Rp	139.900,00
Pegangangan Pintu (Handle)	set	Rp	150.000,00
Grendel Jendela	Bh	Rp	20.000,00
Pintu U PVC	Unit	Rp	105.000,00
Kabel NYA 500 V 1x2,5 mm.	m'	Rp	8.500,00
Pipa PVC 5/8"	btg	Rp	6.000,00
T Dos PVC	bh	Rp	1.000,00
L bow	bh	Rp	2.000,00
Las doof	bh	Rp	800,00
Klem	bh	Rp	200,00
mongkok	bh	Rp	2.000,00
LED SOROT 100W Flood Light Lampu penerangan	Bh	Rp	98.900,00
Stop Kontak Ex. Broco	Bh	Rp	30.000,00
Saklar Ganda	Bh	Rp	30.000,00
Klem	bh	Rp	200,00
MCCB (Boks MCB)	bh	Rp	50.000,00
MCB	bh	Rp	60.000,00
Exhaust Grille, 600 x 300 mm dan aksesoris	Unit	Rp	187.000,00
Genset 100 Kva	Unit	Rp	100.000.000,00
Kabel sdp	Ls	Rp	6.500.000,00
Kabel mdp	Ls	Rp	55.000.000,00
Dome Fixed IP Camera	Unit	Rp	3.650.000,00
Kabel UTP Cat 6	m	Rp	10.166,67
Pipa Conduit PVC 20mm	m	Rp	2.875,00
Material bantu	Ls	Rp	10.000,00
Pipa PVC 3/4	m'	Rp	13.500,00
Perlengkapan	%	Rp	15.000,00
Pipa PVC Tipe D Ø 2" - 400	m'	Rp	15.625,00
perlengkapan	ls	Rp	18.750,00
Pipa PVC Tipe D Ø 3" - 400	m'	Rp	30.000,00
Pipa PVC Tipe D Ø 4" - 400	Btg	Rp	41.250,00
Bata Merah / Batu Bata	bh	Rp	600,00
Semen Portland	Kg	Rp	146.870,00
Pasir Pasang	m^3	Rp	175.000,00
Pasir Beton	kg	Rp	160.762,00
Batu Kali Pecah Crusser 0,5	m^3	Rp	230.000,00
Besi Beton Polos	Kg	Rp	12.500,00
Kran Air	Buah	Rp	39.900,00
Sealtape	Buah	Rp	4.600,00
Kloset Jongkok Porselin ex. INA	Bh	Rp	158.700,00
Pas.bata 1Pc:3Ps	m2	Rp	146.870,00
Pompa zetpump sanyo	Bh	Rp	4.850.000,00
Bak Cuci Piring Stainless Steel	Bh	Rp	828.500,00
Water Drain	Bh	Rp	128.500,00
Pemasangan Septictank dan Resapan	Ls	Rp	3.000.000,00
Urinoir	Buah	Rp	1.250.000,00
Pasir Pasang	m3	Rp	233.333,33
PC / Portland cement (Indocement)	kg	Rp	1.470,00
Air	Liter	Rp	68,00
Perlengkapan	Ls	Rp	50.029,63
Floor Drain	Buah	Rp	52.222,00
Plamur Tembok	Kg	Rp	20.000,00
Cat Dasar Tembok	Kg	Rp	25.000,00
Cat tembok catylac	Kg	Rp	30.000,00
Cat Dasar (Avian)	Kg	Rp	59.444,44
Cat Baja (Jotun)	Kg	Rp	93.500,00
Pengencer (Jotun)	Liter	Rp	48.000,00
Talang U	m'	Rp	18.688,00
Besi strip/Bracket	kg	Rp	7.500,00
Atap Metal	m2	Rp	97.621,00
Paku Roofing	kg	Rp	163.875,00
Cairan Termite (Option 350 SC 100 ml Termisida Pembasmi Rayap)	ltr	Rp	56.500,00
scaffolding	m2	Rp	30.000,00
Metaldeck	m2	Rp	145.000,00
End stop	m3	Rp	25.000,00

DAFTAR HARGA UPAH				
No	Pekerja	Satuan	Harga Satuan	
1	Pekerja	Hari	Rp	150.000,00
2	Mandor	Hari	Rp	180.000,00
3	Kepala Tukang	Hari	Rp	170.000,00
4	Tukang Kayu	Hari	Rp	150.000,00
5	Tukang Besi	Hari	Rp	150.000,00
6	Tukang Batu	Hari	Rp	150.000,00
7	Tukang Las	Hari	Rp	150.000,00
8	Tukang Pipa	Hari	Rp	150.000,00
9	Tukang Keramik	Hari	Rp	150.000,00
10	Tukang Cat	Hari	Rp	150.000,00
11	Tukang Listrik	Hari	Rp	150.000,00
12	Tukang Ereksi Baja	Hari	Rp	200.000,00
13	Operator Alat Berat	Hari	Rp	250.000,00
14	Helper	Hari	Rp	150.000,00

MENENTUKAN DURASI PEKERJAAN DAN HARGA BAHAN

Menentukan Harga Bahan

Membersihkan 1m2 Lapangan dan Perataan	14.560,00	m3	Kebutuhan	
Bahan:				

Pengukuran dan Pemasangan 1 m' Bouwplank	290,00	m	Kebutuhan	
Bahan:			Volume	Satuan
Kayu balok 5/7	0,0120	m3	3,48	m3
Paku 2"-3"	0,02	kg	5,8	kg
Kayu papan 3/20	0,007	m3	2,03	m3

Pekerjaan galian tanah	1.517,76	m3	Kebutuhan	
Bahan:				

Pek. Urugan tanah kembali	379,44	m3	Kebutuhan	
Bahan:			Volume	Satuan
Tanah Urug	1	m3	379,44	m3

Pek. urug tanah peninggian lantai dipadatkan	144,32	m3	Kebutuhan	
Bahan:			Volume	Satuan

Pek. Urug pasir bawah lantai	54,12	m3	Kebutuhan	
Bahan:				
Pasir urug	1,0000	m3	54,12	m3

1m' Pemasangan tiang pancang 35cmx35cm Beton bertulang	6.384,00	m	Kebutuhan	
Bahan:			Volume	Satuan
Tiang pancang beton 35cmx35cm	1,0000	m	6384	m

1m3 Lean Concrete Ground Beam	35,12	m3	Kebutuhan	
Bahan:				
Campuran Beton Ready Mix	1,0000	m3	35,12	m3

Pembesian 10 kg dengan besi polos atau ulir	4.783,21	kg	Kebutuhan	
Bahan:				
Besi Beton ulir	10,5000	kg	50223,726	kg
Kawat beton	0,15	kg	717,4818	kg

Jika yang ditentukan jumlah pekerja dan tukang -- mencari durasi

Membersihkan 1m2 Lapangan dan Perataan	14.560,00	m2	Orang	Durasi
Upah:				
Pekerja	0,0512	O - H	30	24,8491
Mandor	0,0051	O - H	15	4,9504

Pengukuran dan Pemasangan 1 m' Bouwplank	290,00	m'	Orang	Durasi
Upah:				
Pekerja	0,1000	O - H	20	1,4500
Tukang	0,1000	O - H	10	2,9
Kepala Tukang	0,0100	O - H	1	2,9000
Mandor	0,0050	O - H	1	1,45

Pekerjaan galian tanah	1.517,76	m3	Orang	Durasi
Upah:				
Pekerja	0,0700	O - H	30	3,5414
Mandor	0,0070	O - H	15	0,708288

Pek. Urugan tanah kembali	379,44	m3	Orang	Durasi
Upah:				
Pekerja	0,0700	O - H	30	0,8854
Mandor	0,0070	O - H	15	0,177072

Pek. urug tanah peninggian lantai dipadatkan	144,32	m3	Orang	Durasi
Upah:				
Pekerja	0,2750	O - H	30	1,3229
Mandor	0,0015	O - H	15	0,014432

Pek. Urug pasir bawah lantai	54,12	m3	Orang	Durasi
Upah:				
Pekerja	0,3000	O - H	30	0,5412
Mandor	0,0100	O - H	15	0,03608

1m' Pemasangan tiang pancang 35x35cm Beton bertulang	6.384,00	m	Orang	Durasi
Upah:				
Pekerja	0,0624	O - H	20	19,9181
Tukang Batu	0,0087	O - H	10	5,55408
Mandor	0,0043	O - H	1	27,4512
Operator Crane	0,0087	O - H	2	27,7704
Pembantu Operator	0,0087	O - H	2	27,7704

1m3 Lean Concrete Ground Beam	35,12	m3	Orang	Durasi
Upah:				
Pekerja	1,0000	O - H	20	1,7560
Tukang	0,2500	O - H	10	0,878
Kepala Tukang	0,0250	O - H	1	0,8780
Mandor	0,0830	O - H	1	2,91496

Pembesian 10 kg dengan besi polos atau ulir ground beam	4.783,21	kg	Orang	Durasi
Upah:				
Pekerja	0,0700	O - H	30	11,1608
Tukang Besi	0,0700	O - H	15	22,321656

					Kepala Tukang	0,0070	O - H	1	33,4825
					Mandor	0,0040	O - H	1	19,132848

Pemasangan 1m2 bekisting untuk sloof	2.338,40	m2	Kebutuhan		Pemasangan 1m2 bekisting untuk sloof	2.338,40	m2	Orang	Durasi
Bahan:					Upah:				
Batako 30x15x10	22,2222	Buah	51964,4444	Buah	Pekerja	0,5200	O - H	30	40,5323
PC / Portland cement (indocement)	5	Kg	11692	Kg	Tukang Kayu	0,2600	O - H	15	40,53226667
PB Pasir beton	24	Kg	56121,6	Kg	Kepala Tukang	0,0260	O - H	1	60,7984
Air	2,5	Liter	5846	Liter	Mandor	0,0260	O - H	1	60,7984

Pengecoran 1m3 Ready Mix dan Pompa beton mutu F'c = 30 Mpa	467,68	m3	Kebutuhan		Pengecoran 1m3 Ready Mix dan Pompa beton mutu F'c = 30 Mpa	467,68	m3	Orang	Durasi
Bahan:					Upah:				
Campuran Beton Ready Mix	1,0200	m3	477,0336	m3	Pekerja	1,0000	O - H	30	15,5893
					Tukang Batu	0,2500	O - H	15	7,794666667
					Kepala Tukang	0,0250	O - H	1	11,6920
					Mandor	0,1000	O - H	1	46,768

Cutting Head Pilecapwork	532,00	Nos	Kebutuhan		Cutting Head Pilecapwork	532,00	Nos	Orang	Durasi
Bahan:					Upah:				
					Pekerja	0,1000	O - H	20	2,6600
					Mandor	0,0500	O - H	1	26,6

Pembersihan dan pemadatan	332,80	m2	Kebutuhan		Pembersihan dan pemadatan	332,80	m2	Orang	Durasi
Bahan:					Upah:				
					Pekerja	0,2500	O - H	20	4,1600
					Mandor	0,0250	O - H	1	8,3200

Lean Concrete Below Pilecap	16,64	m3	Kebutuhan		Lean Concrete Below Pilecap	16,64	m3	Orang	Durasi
Bahan:					Upah:				
Campuran Beton Ready Mix	1	m3	16,64	m3	Pekerja	1,0000	O - H	10	1,664
					Tukang	0,2500	O - H	5	0,832
					Kepala Tukang	0,0250	O - H	1	0,416
					Mandor	0,0830	O - H	1	1,38112

Pembesian 10 kg dengan besi polos atau ulir	1.714,40	kg	Kebutuhan		Pembesian 10 kg dengan besi polos atau ulir pilecap	1.714,40	kg	Orang	Durasi
Bahan:					Upah:				
Besi Beton ulir	10,5000	kg	18001,179	kg	Pekerja	0,0700	O - H	30	4,0003
Kawat beton	0,15	kg	257,1597	kg	Tukang Besi	0,0700	O - H	15	8,000524
					Kepala Tukang	0,0070	O - H	1	12,0008
					Mandor	0,0040	O - H	1	6,857592

Pemasangan 1m2 bekisting untuk Pilecap	487,68	m2	Kebutuhan		Pemasangan 1m2 bekisting untuk Pilecap	487,68	m2	Orang	Durasi
Bahan:					Upah:				
Kayu Kelas III	0,0450	m3	21,9456	m3	Pekerja	0,5200	O - H	30	8,4531
Paku 5-10 cm	0,3	kg	146,304	kg	Tukang Kayu	0,2600	O - H	15	8,45312
Minyak Bekisting	0,1	Liter	48,768	Liter	Kepala Tukang	0,0260	O - H	1	12,6797
					Mandor	0,0260	O - H	1	12,67968

Pengecoran 1m3 Ready Mix dan Pompa beton mutu F'c = 30 Mpa	199,68	m3	Kebutuhan		Pengecoran 1m3 Ready Mix dan Pompa beton mutu F'c = 30 Mpa	199,68	m3	Orang	Durasi
Bahan:					Upah:				
Campuran Beton Ready Mix	1,0200	m3	203,6736	m3	Pekerja	1,0000	O - H	20	9,9840
					Tukang Batu	0,2500	O - H	10	4,992
					Kepala Tukang	0,0250	O - H	1	4,9920
					Mandor	0,1000	O - H	1	19,968

Pemasangan 1m2 bondek	6.752,00	m2	Kebutuhan		Pemasangan 1m2 bondek	6.752,00	m2	Orang	Durasi
Bahan:					Upah:				
Scaffolding	1,0000	m2	6752	m2	Pekerja	0,0800	O - H	20	27,0080
Metaldeck	1	m2	6752	m2	Tukang	0,0400	O - H	10	27,008
Endstop	0,5	m3	3376	m3	Kepala Tukang	0,0040	O - H	1	27,0080
Paku	0,1	kg	675,2	kg	Mandor	0,0080	O - H	1	54,016

Pembesian dengan besi ulir slab on ground	23.016,00	kg	Kebutuhan	
Bahan:				
Besi Beton ulir	10,5000	kg	241668	kg
Kawat beton	0,15	kg	3452,4	kg

Pembesian dengan besi ulir slab on ground	23.016,00	kg	Orang	Durasi
Upah:				
Pekerja	0,0700	O - H	30	53,7040
Tukang Besi	0,0700	O - H	15	107,408
Kepala Tukang	0,0070	O - H	1	161,1120
Mandor	0,0040	O - H	1	92,064

Bekisting slab on ground	289,30	m2	Kebutuhan	
Bahan:				
Kayu Kelas III	0,0450	m3	13,0185	m3
Paku 5-10 cm	0,3	kg	86,79	kg
Minyak Bekisting	0,1	Liter	28,93	Liter

Bekisting slab on ground	289,30	m2	Orang	Durasi
Upah:				
Pekerja	0,5200	O - H	20	7,5218
Tukang Kayu	0,2600	O - H	10	7,5218
Kepala Tukang	0,0260	O - H	1	7,5218
Mandor	0,0260	O - H	1	7,5218

cor slab on ground	2.899,71	m3	Kebutuhan	
Bahan:				
Campuran Beton Ready Mix	1,0200	m3	2957,70216	m3

cor slab on ground	2.899,71	m3	Orang	Durasi
Upah:				
Pekerja	1,0000	O - H	20	144,9854
Tukang Batu	0,2500	O - H	10	72,4927
Kepala Tukang	0,0250	O - H	1	72,4927
Mandor	0,1000	O - H	1	289,9708

trowel slab on ground	14.519,04	m2	Kebutuhan	
Bahan:				
Trowel Beton	1,0000	m2	14519,04	m2

trowel slab on ground	14.519,04	m2	Orang	Durasi
Upah:				
Pekerja	0,0080	O - H	20	5,8076
Mandor	0,0040	O - H	10	5,807616

Pembuatan Kolom Praktis Beton Bertulang (10x10)	1.011,50	m'	Kebutuhan	
Bahan:				
Kayu Bekisting (Kayu Tahun)	0,0020	m³	2,023	m³
Paku Kayu 2" - 3"	0,01	Kg	10,115	Kg
Minyak Bekisting	0,2	ltr	202,3	ltr
Besi Beton	3	Kg	3034,5	Kg
Kawat Ikat Beton (Bendrat)	0,45	Kg	455,175	Kg
Semen Portland	4	Kg	4046	Kg
Pasir Beton	0,006	m3	6,069	m3
Koral	0,009	m3	9,1035	m3

Pembuatan Kolom Praktis Beton Bertulang (10x10)	1.011,50	m'	Orang	Durasi
Upah:				
Pekerja	0,1800	O - H	20	9,1035
Tukang Batu	0,0200	O - H	10	2,023
Tukang Kayu	0,0200	O - H	10	2,0230
Tukang Besi	0,0200	O - H	10	2,023
Kepala Tukang	0,0060	O - H	1	6,0690
Mandor	0,009	O - H	1	9,1035

Pembuatan Ring Balok Beton Bertulang (10x15)	578,00	m'	Kebutuhan	
Bahan:				
Kayu Meranti Papan (Mutu Kayu Klas III) 3/20	0,0030	m3	1,734	m3
Paku Kayu 2" - 3"	0,02	kg	11,56	kg
Minyak Bekisting	0,2	Liter	115,6	Liter
Besi Beton	3,6	kg	2080,8	kg
Kawat Ikat Beton (Bendrat)	0,05	kg	28,9	kg
Semen Portland	5,5	kg	3179	kg
Pasir Beton	0,009	m3	5,202	m3
Koral	0,015	m3	8,67	m3

Pembuatan Ring Balok Beton Bertulang (10x15)	578,00	m'	Orang	Durasi
Upah:				
Pekerja	0,2970	O - H	20	8,5833
Tukang Batu	0,0330	O - H	10	1,9074
Tukang Kayu	0,0330	O - H	10	1,9074
Tukang Besi	0,0330	O - H	10	1,9074
Kepala Tukang	0,0100	O - H	1	5,7800
Mandor	0,015	O - H	1	8,67

Pemasangan Bondek	6.752,00	m2	Kebutuhan	
Bahan:				
scaffolding	1,0000	m2	6752	m2
Metaldeck	1	m2	6752	m2
End stop	1	m3	6752	m3
Paku 7-12 cm	0,28	kg	1890,56	kg

Pemasangan Bondek	6.752,00	m2	Orang	Durasi
Upah:				
Pekerja	0,0800	O - H	20	27,0080
Tukang	0,0400	O - H	10	27,008
Kepala Tukang	0,0040	O - H	1	27,0080
Mandor	0,0080	O - H	1	54,016

Pemasangan 1 m2 Atap Metal Lembaran	14.560,00	m2	Orang	Durasi
Upah:				
Pekerja	0,1333	O - H	20	97,0424

Pemasangan 1 m2 Atap Metal Lembaran	14.560,00	m2	Kebutuhan	
Bahan:				
Atap Metal	1,6250	m2	23660	m2
Paku Roofing	0,05	kg	728	kg

Pemasangan Ikatan Angin	3.600,00	kg	Kebutuhan	
Bahan:				
Ikatan angin atau trekstang	1,0000	kg	3600	kg

Pemasangan1m' talang U	448,00	m'	Kebutuhan	
Bahan:				
Talang U	1,0500	m'	470,4	m'
Besi strip/Bracket	0,5	kg	224	kg

Pemasangan angkur	138,00	ttk	Kebutuhan	
Bahan:				
Baut dia > 20 mm panjang 25 cm	2,00	bh	276	bh
Las	1,00	ls	138	ls
Meni Besi	0,05	m2	6,9	m2
Plat Tebal 19 mm 20 x 20	3,00	Kg	414	Kg

Pemasangan 1m2 Dinding Bata Hebel	4.676,00	m2	Kebutuhan	
Bahan:				
Bata Ringan Tebal 7,5 Cm	8,7500	Bh	40915	Bh
Prime Mortar 380	2,5	kg	11690	kg

Pemasangan 1m² plesteran 1SP:3PP tebal 15mm	9.352,00	m2	Kebutuhan	
Bahan:				
Semen Portland	7,7760	Kg	72721,152	Kg
Pasir Pasang	0,023	m³	215,096	m³

Pemasangan 1m2 Acian Dinding	9.352,00	m2	Kebutuhan	
Bahan:				
Plamur big lion	3,2500	kg	30394	kg

Pekerjaan Pemasangan Lantai Keramik, Uk. 25x25cm	240,00	m2	Kebutuhan	
Bahan:				
Keramik Tekstur Kasar uk. 25 x 25	1,0500	m²	252	m²
Semen Portland	10	Kg	2400	Kg
Pasir Pasang	0,045	m³	10,8	m³
PC Super Nut / Semen Warna	0,5	Kg	120	Kg

Pekerjaan Pemasangan keramik dinding , Uk. 25x40cm	369,60	m2	Kebutuhan	
Bahan:				
Keramik dinding 25x40 motif	1,0500	m²	388,08	m²

Tukang	0,0667	O - H	10	97,1152
Kepala Tukang	0,0067	O - H	1	97,5520
Mandor	0,0022	O - H	1	32,032

Pemasangan Ikatan Angin	3.600,00	kg	Orang	Durasi
Upah:				
Pekerja	0,1333	O - H	20	23,9940
Tukang	0,0667	O - H	10	24,012
Kepala Tukang	0,0067	O - H	1	24,1200
Mandor	0,0022	O - H	1	7,92

Pemasangan1m' talang U	448,00	m'	Orang	Durasi
Upah:				
Pekerja	0,1500	O - H	20	3,3600
Tukang	0,3000	O - H	10	13,44
Kepala Tukang	0,0300	O - H	1	13,4400
Mandor	0,0080	O - H	1	3,584

Pemasangan angkur	138,00	ttk	Orang	Durasi
Upah:				
Pekerja	0,7500	O- H	20	5,1750
Tukang	0,2500	O - H	10	3,45
Kepala Tukang	0,0500	O- H	1	6,9000
Mandor	0,0167	O - H	1	2,3046

Pemasangan 1m2 Dinding Bata Hebel	4.676,00	m2	Orang	Durasi
Upah:				
Pekerja	0,3000	O - H	20	70,1400
Tukang Batu	0,1000	O - H	10	46,76
Kepala Tukang	0,0100	O - H	1	46,7600
Mandor	0,0150	O - H	1	70,14

Pemasangan 1m² plesteran 1SP:3PP tebal 15mm	9.352,00	m2	Orang	Durasi
Upah:				
Pekerja	0,1000	O - H	20	46,7600
Tukang	0,1000	O - H	10	93,52
Kepala Tukang	0,0100	O - H	1	93,5200
Mandor	0,0100	O - H	1	93,52

Pemasangan 1m2 Acian Dinding	9.352,00	m2	Orang	Durasi
Upah:				
Pekerja	0,2000	O - H	20	93,5200
Tukang Batu	0,1000	O - H	10	93,52
Kepala Tukang	0,0100	O - H	1	93,5200
Mandor	0,0100	O - H	1	93,52

Pekerjaan Pemasangan Lantai Keramik, Uk. 25x25cm	240,00	m2	Orang	Durasi
Upah:				
Pekerja	0,7000	O - H	20	8,4000
Tukang	0,3500	O - H	10	8,4
Kepala Tukang	0,0350	O - H	1	8,4000
Mandor	0,0350	O - H	1	8,4

Pekerjaan Pemasangan keramik dinding , Uk. 25x40cm	369,60	m2	Orang	Durasi
Upah:				
Pekerja	0,9000	O - H	20	16,6320
Tukang	0,4500	O - H	10	16,632
Kepala Tukang	0,0450	O - H	1	16,6320
Mandor	0,0450	O - H	1	16,632

Semen Portland	9,3	Kg	3437,28	Kg
Pasir Pasang	0,018	m³	6,6528	m³
PC Super Nut / Semen Warna	1,94	Kg	717,024	Kg

Pemasangan Keramik Lantai Dapur 25X25	768,00	m2	Kebutuhan	
Bahan:				
Keramik Tekstur Kasar uk, 25 x 25	1,0500	m²	806,4	m²
Semen Portland	10	Kg	7680	Kg
Pasir Pasang	0,045	m³	34,56	m³
PC Super Nut / Semen Warna	0,5	Kg	384	Kg

Pemasangan Keramik Dinding Dapur 25X40	240,00	m2	Kebutuhan	
Bahan:				
Keramik dinding 25x40 motif	1,0500	m²	252	m²
Semen Portland	9,3	Kg	2232	Kg
Pasir Pasang	0,018	m³	4,32	m³
PC Super Nut / Semen Warna	1,94	Kg	465,6	Kg

Pemasangan 1m2 Alumunium Foil & insulations	14.560,00	m2	Kebutuhan	
Bahan:				
Alumunium foil	1,0500	m2	15288	m2
Rock Wool tebal 25mm	1,05	m2	15288	m2
Kawat Ram	1,05	m2	15288	m2
Paku Sekrup	0,029	Box	422,24	Box

Pemasangan 1 m' Nok/Bubung Genteng Metal	224,00	m'	Kebutuhan	
Bahan:				
Nok Genteng Metal Panjang 100cm	1,1000	Buah	246,4	Buah
Paku Sekrup	0,05	Kg	11,2	Kg

Pemasangan 1 m2 Glasswool Atap peredam suara	14.560,00	m2	Kebutuhan	
Bahan:				
Material Glasswool Foam	1,1000	m2	16016	m2

Pemasangan Pintu Besi Anti Api	14,00	Bh	Kebutuhan	
Bahan:				
Pintu Besi Tahan Api	1,0000	Bh	14	Bh

Pekerjaan Pemasangan 1 m' Kusen Pintu Aluminium	101,70	m'	Kebutuhan	
Bahan:				
Profil Alumunium 4 inch	1,1000	m'	111,87	m'
Sekrup Fixer	2	Kg	203,4	Kg
Sealant	0,06	Kg	6,102	Kg

Pembuatan dan Pemasangan Daun Pintu Panel, Steel Plate	35,06	m2	Kebutuhan	
Bahan:				
Kayu Kamper Papan (Mutu Kayu Klas II) 2/20. 3/20, 3/25,3/30	0,0400	m³	1,40248	m³
Lem Kayu	0,5	Kg	17,531	Kg

Pekerjaan pemasangan Kaca tebal 5 mm	683,28	m2	Kebutuhan	

Pemasangan Keramik Lantai Dapur 25X25	768,00	m2	Orang	Durasi
Upah:				
Pekerja	0,7000	O - H	20	26,8800
Tukang	0,3500	O - H	10	26,88
Kepala Tukang	0,0350	O - H	1	26,8800
Mandor	0,0350	O - H	1	26,88

Pemasangan Keramik Dinding Dapur 25X40	240,00	m2	Orang	Durasi
Upah:				
Pekerja	0,9000	O - H	20	10,8000
Tukang	0,4500	O - H	10	10,8
Kepala Tukang	0,0450	O - H	1	10,8000
Mandor	0,0450	O - H	1	10,8

Pemasangan 1m2 Alumunium Foil & insulations	14.560,00	m2	Orang	Durasi
Upah:				
Pekerja	0,1500	O - H	20	109,2000
Tukang	0,0500	O - H	10	72,8
Kepala Tukang	0,0050	O - H	1	72,8000
Mandor	0,0080	O - H	1	116,48

Pemasangan 1 m' Nok/Bubung Genteng Metal	224,00	m'	Orang	Durasi
Upah:				
Pekerja	0,2500	O - H	20	2,8000
Tukang Kayu	0,1500	O - H	10	3,36
Kepala Tukang	0,0150	O - H	1	3,3600
Mandor	0,0050	O - H	1	1,12

Pemasangan 1 m2 Glasswool Atap peredam suara	14.560,00	m2	Orang	Durasi
Upah:				
Pekerja	0,1000	O - H	20	72,8000
Tukang	0,0500	O - H	10	72,8
Kepala Tukang	0,0050	O - H	1	72,8000
Mandor	0,0017	O - H	1	24,752

Pemasangan Pintu Besi Anti Api	14,00	Bh	Orang	Durasi
Upah:				
Pekerja	1,5750	O - H	20	1,1025
Tukang Besi	1,5750	O - H	10	2,205
Kepala Tukang	0,1575	O - H	1	2,2050
Mandor	0,0525	O - H	1	0,735

Pekerjaan Pemasangan 1 m' Kusen Pintu Aluminium	101,70	m'	Orang	Durasi
Upah:				
Pekerja	0,0430	O - H	10	0,4373
Tukang Kayu	0,0430	O - H	5	0,87462
Kepala Tukang	0,0040	O - H	1	0,4068
Mandor	0,0010	O - H	1	0,1017

Pembuatan dan Pemasangan Daun Pintu Panel, Steel Plate	35,06	m2	Orang	Durasi
Upah:				
Pekerja	1,0000	O - H	10	3,5062
Tukang Kayu	3,0000	O - H	5	21,0372
Kepala Tukang	0,3000	O - H	1	10,5186
Mandor	0,0500	O - H	1	1,7531

Pekerjaan pemasangan Kaca tebal 5 mm	683,28	m2	Orang	Durasi
Upah:				
Pekerja	0,0150	O - H	10	1,0249
Tukang Kayu	0,1500	O - H	5	20,4984
Kepala Tukang	0,0150	O - H	1	10,2492

Bahan:			Kebutuhan	
Kaca Bening merek mulia	1,1000	m2	751,608	m2
Silicone sealent 300 ml	0,05	Tube	34,164	Tube

Pemasangan 1 m2 Rolling Door Besi	119,00	m2	Kebutuhan	
Bahan:				
Roll Door Besi Galvalum 0.8 mm Otomatis	1,0000	m2	119	m2

Pemasangan engsel pintu	297,00	Bh	Kebutuhan	
Bahan:				
Engsel pintu	1,0000	bh	297	bh

Pemasangan door closer	39,00	Bh	Kebutuhan	
Bahan:				
Door Closer TORA	1,0000	Bh	39	Bh

Pemasangan Handle pintu	119,00	Set	Kebutuhan	
Bahan:				
Pegangangan Pintu (Handle)	1,0000	Set	119	Set

Pemasangan grendel jendela spring knip	318,00	Bh	Kebutuhan	
Bahan:				
Grendel Jendela	1,0000	Bh	318	Bh

Pemasangan pintu PVC kamar mandi	8,00	Unit	Kebutuhan	
Bahan:				
Pintu U PVC	1,0000	Unit	8	Unit

Memasang 1 titik instalasi listrik	100,00	ttk	Kebutuhan	
Bahan:				
Kabel NYA 500 V 1x2,5 mm.	10,0000	m'	1000	m'
Pipa PVC 5/8"	3,0000	btg	300	btg
T Dos PVC	3,0000	bh	300	bh
L bow	4,00	bh	400	bh
Las doof	3,00	bh	300	bh
Klem	24,00	bh	2400	bh
mongkok	1,00	bh	100	bh

Memasang 1 bh Lampu 100 W	1.820,00	Bh	Kebutuhan	
Bahan:				
LED SOROT 100W Flood Light Lampu penerangan	1,0000	Bh	1820	Bh

Mandor	0,0008	O - H	1	0,546624

Pemasangan 1 m2 Rolling Door Besi	119,00	m2	Orang	Durasi
Upah:				
Pekerja	1,2000	O - H	20	7,1400
Tukang Kayu	1,2000	O - H	10	14,28
Kepala Tukang	0,1200	O - H	1	14,2800
Mandor	0,0400	O - H	1	4,76

Pemasangan engsel pintu	297,00	Bh	Orang	Durasi
Upah:				
Pekerja	0,0150	O - H	5	0,8910
Tukang Kayu	0,1500	O - H	5	8,91
Kepala Tukang	0,0150	O - H	1	4,4550
Mandor	0,0008	O - H	1	0,2376

Pemasangan door closer	39,00	Bh	Orang	Durasi
Upah:				
Pekerja	0,0500	O - H	5	0,3900
Tukang Kayu	0,5000	O - H	5	3,9
Kepala Tukang	0,0500	O - H	1	1,9500
Mandor	0,0030	O - H	1	0,117

Pemasangan Handle pintu	119,00	Set	Orang	Durasi
Upah:				
Pekerja	0,0050	O - H	5	0,1190
Tukang Kayu	0,5000	O - H	5	11,9
Kepala Tukang	0,0500	O - H	1	5,9500
Mandor	0,0030	O - H	1	0,357

Pemasangan grendel jendela spring knip	318,00	Bh	Orang	Durasi
Upah:				
Pekerja	0,0150	O - H	5	0,9540
Tukang Kayu	0,1500	O - H	5	9,54
Kepala Tukang	0,0150	O - H	1	4,7700
Mandor	0,0080	O - H	1	2,544

Pemasangan pintu PVC kamar mandi	8,00	Unit	Orang	Durasi
Upah:				
Pekerja	0,8000	O - H	5	1,2800
Tukang Kayu	2,4000	O - H	5	3,84
Kepala Tukang	0,2400	O - H	1	1,9200
Mandor	0,0400	O - H	1	0,32

Memasang 1 titik instalasi listrik	100,00	ttk	Orang	Durasi
Upah:				
upah 100% bahan	1,0000	O - H	20	5,0000

Memasang 1 bh Lampu 100 W	1.820,00	Bh	Orang	Durasi
Upah:				
Tukang Listrik	0,0640	O - H	20	5,8240
Mandor	0,0064	O - H	1	11,648

Memasang 1 bh stop kontak	364,00	Bh	Orang	Durasi
Upah:				
Tukang Listrik	0,0640	O - H	10	2,3296

Memasang 1 bh stop kontak	364,00	Bh	Kebutuhan	
Bahan:				
Stop Kontak Ex. Broco	1,0000	Bh	364	Bh

Memasang 1 buah MCCB	3,00	ttk	Kebutuhan	
Bahan:				
Pipa PVC 5/8"	3	btg	9	btg
Kabel NYA 500 V 1x2,5 mm.	15	m'	45	m'
T Dos PVC	1	bh	3	bh
L bow	2,0000	bh	6	bh
Klem	24	bh	72	bh
MCCB (Boks MCB)	1	bh	3	bh
MCB	2	bh	6	bh

Pemasangan 1 Unit Exhaust Grille 600 x 300 mm	8,00	Unit	Kebutuhan	
Bahan:				
Exhaust Grille, 600 x 300 mm dan aksesoris	1,0000	Unit	8	Unit

Memasang GENSET 100 kva	2,00	Bh	Kebutuhan	
Bahan:				
Genset 100 Kva	1,0000	Unit	2	Unit
Kabel sdp	1,00	Ls	2	Ls
Kabel mdp	1,00	Ls	2	Ls

Pekerjaan Pemasangan CCTV	9,00	Set	Kebutuhan	
Bahan:				
Dome Fixed IP Camera	1,0000	Unit	9	Unit
Kabel UTP Cat 6	90	m	810	m
Pipa Conduit PVC 20mm	90	m	810	m
Material bantu	1	Ls	9	Ls

Pemasangan 1 m' pipa PVC tipe AW diameter ¾ "	120,00	m'	Kebutuhan	
Bahan:				
Pipa PVC 3/4	1,2000	m'	144	m'
Perlengkapan	0,35	%	42	%

Pemasangan pipa PVC tipe D diameter 2"	460,00	m'	Kebutuhan	
Bahan:				
Pipa PVC Tipe D Ø 2" - 400	1,2000	m'	552	m'
perlengkapan	0,35	ls	161	ls

Pemasangan pipa PVC tipe D diameter 3"	80,00	m'	Kebutuhan	
Bahan:				
Pipa PVC Tipe D Ø 3" - 400	1,2000	m'	96	m'
perlengkapan	0,35	ls	28	ls

Mandor	0,0064	O - H	5	0,46592

Memasang 1 buah MCCB	3,00	ttk	Orang	Durasi
Upah:				
upah 100% bahan	0,35	O - H	1	1,05

Pemasangan 1 Unit Exhaust Grille 600 x 300 mm	8,00	Unit	Orang	Durasi
Upah:				
Pekerja	0,0640	O - H	1	0,5120
Tukang	0,1070	O - H	1	0,856
Kepala Tukang	0,0110	O - H	1	0,0880
Mandor	0,0040	O - H	1	0,032

Memasang GENSET 100 kva	2,00	Bh	Orang	Durasi
Upah:				
Pekerja	0,0640	O - H	1	0,1280
Tukang	1,7142	O - H	2	1,7142
Kepala Tukang	0,0342	O - H	1	0,0684
Mandor	0,1710	O - H	1	0,342

Pekerjaan Pemasangan CCTV	9,00	Set	Orang	Durasi
Upah:				
Pekerja	0,2000	O - H	2	0,9000
Tukang	0,2000	O - H	2	0,9
Mandor	0,0050	O - H	1	0,0450

Pemasangan 1 m' pipa PVC tipe AW diameter ¾ "	120,00	m'	Orang	Durasi
Upah:				
Pekerja	0,0360	O - H	4	1,0800
Tukang Pipa	0,0600	O - H	4	1,8
Kepala Tukang	0,0060	O - H	1	0,7200
Mandor	0,0020	O - H	1	0,24

Pemasangan pipa PVC tipe D diameter 2"	460,00	m'	Orang	Durasi
Upah:				
Pekerja	0,0360	O - H	10	1,6560
Tukang Pipa	0,0600	O - H	5	5,52
Kepala Tukang	0,0060	O - H	1	2,7600
Mandor	0,0020	O - H	1	0,92

Pemasangan pipa PVC tipe D diameter 3"	80,00	m'	Orang	Durasi
Upah:				
Pekerja	0,0810	O - H	10	0,6480
Tukang Pipa	0,1350	O - H	5	2,16
Kepala Tukang	0,0135	O - H	1	1,0800
Mandor	0,0040	O - H	1	0,32

Pemasangan pipa PVC tipe D diameter 4"	100,00	m'	Orang	Durasi
Upah:				
Pekerja	0,0810	O - H	10	0,8100
Tukang Pipa	0,1350	O - H	5	2,7
Kepala Tukang	0,0135	O - H	1	1,3500
Mandor	0,0040	O - H	1	0,4

Pemasangan pipa PVC tipe D diameter 4"	100,00	m'	Kebutuhan	
Bahan:				
Pipa PVC Tipe D Ø 4" - 400	1,2000	Btg	120	Btg
perlengkapan	0,35	ls	35	ls

Pemasangan bak kontrol pasangan bata. 60x60x65cm	10,00	Buah	Kebutuhan	
Bahan:				
Bata Merah / Batu Bata	123,0000	bh	1230	bh
Semen Portland	114	Kg	1140	Kg
Pasir Pasang	0,184	m³	1,84	m³
Pasir Beton	0,12	kg	1,2	kg
Batu Kali Pecah Crusser 0,5	0,033	m³	0,33	m³
Besi Beton Polos	4,85	Kg	48,5	Kg

Pemasangan 1 buah kran diameter ½" atau ¾ "	20,00	Buah	Kebutuhan	
Bahan:				
Kran Air	1,0000	bh	20	bh
Sealtape	0,025	bh	0,5	bh

Pemasangan closet jongkok porselin	65,00	Buah	Kebutuhan	
Bahan:				
Kloset Jongkok Porselin ex. INA	1,0000	Bh	65	Bh
Pas.bata 1Pc:3Ps	0,036	m2	2,34	m2

Pekerjaan 1m' Pengeboran Sumur	24,00	m'	Kebutuhan	
Bahan:				

Pemasangan Pompa Air	5,00	Buah	Kebutuhan	
Bahan:				
Pompa zetpump sanyo	1,0000	bh	5	bh

Pemasangan bak cuci piring stainlessteel	15,00	Buah	Kebutuhan	
Bahan:				
Bak Cuci Piring Stainless Steel	1,0000	bh	15	bh
Water Drain	1	bh	15	bh

Pemasangan Septictank dan Resapan	4,00	Ls	Kebutuhan	
Bahan:				
Pemasangan Septictank dan Resapan	1,0000	Ls	4	Ls

Pemasangan 1 buah urinoir	16,00	Buah	Kebutuhan	
Bahan:				
Urinoir	1,0000	Buah	16	Buah
Pasir Pasang	0,01	m3	0,16	m3
PC / Portland cement (Indocement)	6,00	kg	96	kg

Pemasangan bak kontrol pasangan bata. 60x60x65cm	10,00	Buah	Orang	Durasi
Upah:				
Pekerja	3,2000	O - H	20	1,6000
Tukang Pipa	1,1500	O - H	10	1,15
Kepala Tukang	0,0110	O - H	1	0,1100
Mandor	0,0160	O - H	1	0,16

Pemasangan 1 buah kran diameter ½" atau ¾ "	20,00	Buah	Orang	Durasi
Upah:				
Pekerja	0,0100	O - H	1	0,2000
Tukang Pipa	0,4000	O - H	4	2
Kepala Tukang	0,0400	O - H	1	0,8000
Mandor	0,0050	O - H	1	0,1

Pemasangan closet jongkok porselin	65,00	Buah	Orang	Durasi
Upah:				
Pekerja	1,0000	O - H	10	6,5000
Tukang Pipa	1,5000	O - H	15	6,5
Kepala Tukang	0,1500	O - H	1	9,7500
Mandor	0,1600	O - H	1	10,4

Pekerjaan 1m' Pengeboran Sumur	24,00	m'	Orang	Durasi
Upah:				
Pekerja	0,3088	O - H	6	1,2352
Tukang	0,0772	O - H	2	0,9264
Mandor	0,0309	O - H	1	0,7416

Pemasangan Pompa Air	5,00	Buah	Orang	Durasi
Upah:				
Pekerja	0,2500	O - H	1	1,2500
Mandor	0,1130	O - H	1	0,565

Pemasangan bak cuci piring stainlessteel	15,00	Buah	Orang	Durasi
Upah:				
Pekerja	0,0300	O - H	1	0,4500
Tukang	0,3000	O - H	4	1,125
Kepala Tukang	0,0300	O - H	1	0,4500
Mandor	0,0150	O - H	1	0,225

Pemasangan Septictank dan Resapan	4,00	Ls	Orang	Durasi
Upah:				
Pekerja	1,0000	O - H	2	2,0000
Tukang Batu	1,0000	O - H	2	2
Kepala Tukang	0,1000	O - H	1	0,4000
Mandor	0,0500	O - H	1	0,2

Pemasangan 1 buah urinoir	16,00	Buah	Orang	Durasi
Upah:				
Pekerja	1,0000	O - H	5	3,2000
Tukang Batu	1,0000	O - H	5	3,2
Kepala Tukang	0,1000	O - H	1	1,6000
Mandor	0,0500	O - H	1	0,8

Pemasangan 1 buah floor drain	68,00	Buah	Orang	Durasi
Upah:				
Pekerja	0,0100	O - H	1	0,6800

Air	2,50	Liter	40	Liter
Perlengkapan	30,00	Ls	480	Ls

Pemasangan 1 buah floor drain	68,00	Buah	Kebutuhan	
Bahan:				
Floor Drain	1,0000	bh	68	bh

Pengecatan 1 m2 tembok baru (1 lapis plamuur, 1 lapis cat dasar, 2 lapis cat penutup)	9.352,00	m2	Kebutuhan	
Bahan:				
Plamur Tembok	0,1	kg	935,2	0,1
Cat Dasar Tembok	0,1	kg	935,2	0,1
Cat tembok catylac	0,26	kg	2431,52	0,26

Pekerjaan Pengecatan 1 m2 Permukaan Baja Galvanis secara Semprot sistem 3 lapisan Cat	250,00	m2	Kebutuhan	
Bahan:				
Cat Dasar (Avian)	0,3000	Kg	75	Kg
Cat Baja (Jotun)	0,3	Kg	75	Kg
Pengencer (Jotun)	0,01	Liter	2,5	Liter

Install Plastic Sheet	14.539,52	m2	Kebutuhan	
Bahan:				
Air	0,0002	Liter	2,907904	Liter
Cairan Termite (Option 350 SC 100 ml Termisida Pembasmi Rayap)	0,03	Liter	436,1856	Liter

Pembesian dengan besi ulir slab mezzanine	9.824,28	kg	Kebutuhan	
Bahan:				
Besi Beton ulir	10,5	kg	103154,951	kg
Kawat beton	0,15	kg	1473,64215	kg

Bekisting slab mezzanine	275,12	m2	Kebutuhan	
Bahan:				
Kayu Kelas III	0,045	m3	12,3804	m3
Paku 5-10 cm	0,3	kg	82,536	kg
Minyak Bekisting	0,1	Liter	27,512	Liter

cor slab mezzanine	1.414,40	m3	Kebutuhan	
Bahan:				
Campuran Beton Ready Mix	1,0200	m3	1442,688	m3

trowel slab mezzanine	7.072,00	m2	Kebutuhan	
Bahan:				
Trowel Beton	1,0000	m2	7072	m2

Tukang Batu	0,1000	O - H	3	2,266666667
Kepala Tukang	0,0100	O - H	1	0,6800
Mandor	0,0050	O - H	1	0,34

Pengecatan 1 m2 tembok baru (1 lapis plamuur, 1 lapis cat dasar, 2 lapis cat penutup)	9.352,00	m2	Orang	Durasi
Upah:				
Pekerja	0,0200	O - H	20	9,3520
Tukang	0,0630	O - H	10	58,9176
Kepala Tukang	0,0063	O - H	1	58,9176
Mandor	0,0030	O - H	1	28,056

Pekerjaan Pengecatan 1 m2 Permukaan Baja Galvanis secara Semprot sistem 3 lapisan Ca	250,00	m2	Orang	Durasi
Upah:				
Pekerja	0,4000	O - H	20	5,0000
Tukang	0,7000	O - H	10	17,5
Kepala Tukang	0,0700	O - H	1	17,5000
Mandor	0,0200	O - H	1	5

Install Plastic Sheet	14.539,52	m2	Orang	Durasi
Upah:				
Pekerja	0,0400	O - H	20	29,0790
Mandor	0,0040	O - H	10	5,815808

Pembesian dengan besi ulir slab mezzanine	9.824,28	kg	Orang	Durasi
Upah:				
Pekerja	0,0700	O - H	30	22,9233
Tukang Besi	0,0700	O - H	15	45,84664467
Kepala Tukang	0,0070	O - H	1	68,7700
Mandor	0,0040	O - H	1	39,297124

Bekisting slab mezzanine	275,12	m2	Orang	Durasi
Upah:				
Pekerja	0,5200	O - H	20	7,1531
Tukang Kayu	0,2600	O - H	10	7,15312
Kepala Tukang	0,0260	O - H	1	7,1531
Mandor	0,0260	O - H	1	7,15312

cor slab mezzanine	1.414,40	m3	Orang	Durasi
Upah:				
Pekerja	1,0000	O - H	20	70,7200
Tukang Batu	0,2500	O - H	10	35,36
Kepala Tukang	0,0250	O - H	1	35,3600
Mandor	0,1000	O - H	1	141,44

PERHITUNGAN VOLUME PEKERJAAN																
NO	BACK UP HITUNGAN													JUMLAH	TOTAL VOLUME	SAT.
1	2													3	4	5
I	**PEKERJAAN PERSIAPAN**															
1	Membersihkan lapangan dan perataan	224,00	x	65,00										14.560,00	**14.560,00**	m2
2	Uitset dan Pengukuran bouwplank	290,00												290,00	**290,00**	m'
II	**PEKERJAAN TANAH**															
1	Pekerjaan galian tanah	*t*	x	*l*	x	*p*	x	jumlah								
	pondasi pile cap PC F1	1,75	x	1,60	x	1,60	x	58,00						259,84		m3
	PC F2	1,75	x	1,60	x	1,60	x	58,00						259,84		m3
	PC F3	1,75	x	0,80	x	1,60	x	12,00						26,88		m3
	PC F3A	1,75	x	0,80	x	1,60	x	4,00						8,96		m3
	PC F4	1,75	x	1,60	x	1,60	x	6,00						26,88		m3
	Sloof	*t*	x	*l*	x	*p*	x	jumlah								
	FGY1	0,80	x	0,40	x	65,00								20,80		m3
		0,80	x	0,40	x	65								20,80		m3
	FGX1	0,80	x	0,40	x	448,00								143,36		m3
	FGY2	0,60	x	0,40	x	648,00								155,52		m3
		0,60	x	0,40	x	82								19,68		m3
	FGX2	0,60	x	0,40	x	448,00								107,52		m3
														467,68		m3
														1.517,76	**1.517,76**	m3
2	Pek. Urugan tanah kembali	0,25	x	1.517,76										379,44	**379,44**	m3
3	Pek. urug tanah peninggian lantai dipadatkan	*t*	x	*l*	x	*p*										
		0,20	x	0,40	x	82,00								6,56		
		0,20	x	0,40	x	82								6,56		
		0,20	x	0,40	x	896,00								71,68		
		0,20	x	0,40	x	696,00								55,68		
		0,20	x	0,40	x	48,00								3,84		
														144,32	**144,32**	m3
4	Pek. Urug pasir bawah lantai	*t*	x	*l*	x	*p*										
		0,075	x	0,40	x	82,00								2,46		
		0,075	x	0,40	x	82								2,46		
		0,075	x	0,40	x	896,00								26,88		
		0,075	x	0,40	x	696,00								20,88		
		0,075	x	0,40	x	48,00								1,44		
														54,12	**54,12**	m3
III	**PEKERJAAN BETON**															
1	Pas. Tiang Pancang									Jumlah Tiang Pancang		Jumlah Pilecap				
	PC F1									4,00		58,00		232,00		
	PC F2									4,00		58,00		232,00		
	PC F3									4,00		12,00		48,00		

UNIVERSITAS ATMA JAYA YOGYAKARTA

NO	BACK UP HITUNGAN											JUMLAH	TOTAL VOLUME	SAT.
1	2											3	4	5
	PC F3A						2,00		4,00			8,00		
	PC F4						2,00		6,00			12,00		
												532,00	**532,00**	Nos
													6.384,00	m
2	Beton Sloof													
	a. Lean Concrete Below Ground Beam	*t*	x	*l*	x	*p*	x	jumlah						
	FGY1	0,05	x	0,40	x	65,00	x	2,00				1,30		m3
		0,05	x	0,40	x	65	x	2,00				1,30		m3
	FGX1	0,05	x	0,40	x	448,00	x	2,00				8,96		m3
	FGY2	0,05	x	0,40	x	648,00	x	24,00				12,96		m3
		0,05	x	0,40	x	82	x	2,00				1,64		m3
	FGX2	0,05	x	0,40	x	448,00	x	2,00				8,96		m3
												35,12	**35,12**	m3
	b. Rebar Ground Beam	*t*	x	*l*	x	*panjang*	p/jarak	panjang sengkang+kait	Panjang beam	Jumlah Besi	D			
	FGY1													
	sengkang					65,00	433,33	2,5	1.083,33	90,28	10	671,67		Kg
						65	433,33	2,5	1.083,33	90,28	10	671,67		Kg
						panjang	p/jarak			Jumlah Besi				
	Tul Utama					65,00	910,00			75,83	19	2.029,30		Kg
						65	910,00			75,83	19	2.029,30		Kg
	FGX1					*panjang*	p/jarak	panjang sengkang+kait	Panjang beam	Jumlah Besi				Kg
	sengkang					448,00	2.986,67	2,5	7.466,67	622,22	10	4.629,33		Kg
	Tul Utama					*panjang*	p/jarak			Jumlah Besi				
						448,00	6.272,00			522,67	19	13.986,56		Kg
	FGY2					*panjang*	p/jarak	panjang sengkang+kait	Panjang beam	Jumlah Besi				
	sengkang					648,00	3.702,86	2,1	7.776,00	648,00	10	12.286,08		Kg
						82	468,57	2,1	984,00	82,00	10	1.554,72		Kg
	Tul Utama					*panjang*	p/jarak			Jumlah Besi				
						648,00	6.480,00			540,00	16	4.017,60		Kg
						82	820,00			68,33	16	508,40		Kg
	FGX2					*panjang*	p/jarak	panjang sengkang+kait	Panjang beam	Jumlah Besi				
	Sengkang					496,00	2.834,29	2,1	5.952,00	496,00	10	3.690,24		Kg
						panjang	p/jarak			Jumlah Besi				
	Tul Utama					496,00	2.834,29			236,19	16	1.757,26		Kg
												47.832,12	**47.832,12**	Kg
													4.783,21	Kg
	C. Formwork Ground Beam													
	FGY1	*t*	x	*l*	x	*p*	x	jumlah						
		0,80				65,00		1,00		2,00		104,00		m2
	FGX1	0,80				65		1,00		2,00		104,00		m2
	FGY2	0,80				448,00		56,00		2,00		716,80		m2
		0,60				648,00		58,00		2,00		777,60		m2
	FGX2	0,60				82		16,00		2,00		98,40		m2
		0,60				448,00		116,00		2,00		537,60		m2
												2.338,40	**2.338,40**	m2
	d. Pouring Concrete Ground Beam	*t*	x	*l*	x	*p*	x	jumlah						

NO	BACK UP HITUNGAN											JUMLAH	TOTAL VOLUME	SAT.
1	2											3	4	5
	FGY1	0,80	x	0,40	x	65,00	x	24,00				20,80		m3
		0,80	x	0,40	x	65	x	1,00				20,80		m3
	FGX1	0,80	x	0,40	x	448,00	x	56,00				143,36		m3
	FGY2	0,60	x	0,40	x	648,00	x	58,00				155,52		m3
		0,60	x	0,40	x	82	x	16,00				19,68		m3
	FGX2	0,60	x	0,40	x	448,00	x	62,00				107,52		m3
												467,68	**467,68**	m3
3	Beton Pilecap													
	a. Cutting Head Pilecap Work	*t*	x	*l*	x	*p*		Jumlah Pile/PC		Jumlah				
	PC F1							4,00		58,00		232,00		Nos
	PC F2							4,00		58,00		232,00		Nos
	PC F3							4,00		12,00		48,00		Nos
	PC F3A							2,00		4,00		8,00		Nos
	PC F4							2,00		6,00		12,00		Nos
										138,00		532,00	**532,00**	Nos
	b. Persiapan dan Pemadatan	*t*	x	*l*	x	*p*	x	jumlah						
	PC F1			1,60	X	1,60	x	58,00				148,48		m2
	PC F2			1,60	X	1,60	x	58,00				148,48		m2
	PC F3			1,60	X	0,80	x	12,00				15,36		m2
	PC F3A			1,60	X	0,80	x	4,00				5,12		m2
	PC F4			1,60	X	1,60	x	6,00				15,36		m2
												332,80	**332,80**	m2
	c. Lean Concrete Below Pilecap	*t*	x	*l*	x	*p*	x	jumlah						
	PC F1	0,05	x	1,60	X	1,60	x	58,00				7,42		m3
	PC F2	0,05	x	1,60	X	1,60	x	58,00				7,42		m3
	PC F3	0,05	x	1,60	X	0,80	x	12,00				0,77		m3
	PC F3A	0,05	x	1,60	X	0,80	x	4,00				0,26		m3
	PC F4	0,05	x	1,60	X	1,60	x	6,00				0,77		m3
												16,64	**16,64**	m3
	d. Pekerjaan Rebar Pilecap	*t*	x	*l*	x	*p*		D	Koef.	Jumlah				
	PC F1	0,50	x	1,52	x	0,50	8	16	0,006165	58	31,82	7.381,62		Kg
		0,50	x	1,52	x	0,50	8	16	0,006165		31,82			
		0,50	x	1,52	x	0,50	8	16	0,006165		31,82			
		0,50	x	1,52	x	0,50	8	16	0,006165		31,82			
											127,27			
	PC F2	0,50	x	1,52	x	0,50	8	16	0,006165	58	31,82	7.381,62		Kg
		0,50	x	1,52	x	0,50	8	16	0,006165		31,82			
		0,50	x	1,52	x	0,50	8	16	0,006165		31,82			
		0,50	x	1,52	x	0,50	8	16	0,006165		31,82			
											127,27			

UNIVERSITAS ATMA JAYA YOGYAKARTA

NO	BACK UP HITUNGAN											JUMLAH	TOTAL VOLUME	SAT.
1	2											3	4	5
	PC F3	0,50	x	1,52	x	0,50	8	16	0,006165	12	31,82	1.527,23		Kg
		0,50	x	1,52	x	0,50	8	16	0,006165		31,82			
		0,50	x	1,52	x	0,50	8	16	0,006165		31,82			
		0,50	x	1,52	x	0,50	8	16	0,006165		31,82			
											127,27			
	PC F3A	0,50	x	1,52	x	0,50	8	16	0,006165	4	31,82	341,40		Kg
		0,50	x	1,52	x	0,50	8	16	0,006165		31,82			
		0,50	x	0,72	x	0,50	4	16	0,006165		10,86			
		0,50	x	0,72	x	0,50	4	16	0,006165		10,86			
											85,35			
	PC F4	0,50	x	1,52	x	0,50	8	16	0,006165	6	31,82	512,11		Kg
		0,50	x	1,52	x	0,50	8	16	0,006165		31,82			
		0,50	x	0,72	x	0,50	4	16	0,006165		10,86			
		0,50	x	0,72	x	0,50	4	16	0,006165		10,86			
											85,35			
	PC F5	0,50	x	1,52	x	0,50	8	16	0,006165	1	31,82	85,35		
		0,50	x	1,52	x	0,50	8	16	0,006165		31,82			
		0,50	x	0,72	x	0,50	4	16	0,006165		10,86			
		0,50	x	0,72	x	0,50	4	16	0,006165		10,86			
											85,35			
												17.143,98	**17.143,98**	Kg
													1.714,40	Kg
	e. Bekisting Pilecap	*t*	x	*l*	x	*p*				Jumlah				
	PC F1	0,60				1,60		4,00		58,00		222,72		m2
	PC F2	0,60				1,60		4,00		58,00		222,72		m2
	PC F3	0,60				1,60		2,00		12,00		23,04		m2
	PC F3A	0,60				1,60		2,00		4,00		7,68		m2
	PC F4	0,60				1,60		2,00		6,00		11,52		m2
												487,68	**487,68**	m2
	f. Pouring Concrete Pilecap	*t*	x	*l*	x	*p*				Jumlah				
	PC F1	0,60	x	1,60	x	1,60				58,00		89,09		m3
	PC F2	0,60	x	1,60	x	1,60				58,00		89,09		m3
	PC F3	0,60	x	0,80	x	1,60				12,00		9,22		m3
	PC F3A	0,60	x	0,80	x	1,60				4,00		3,07		m3
	PC F4	0,60	x	1,60	x	1,60				6,00		9,22		m3
												199,68	**199,68**	m3
4	Beton Slab Ground Floor	*t*	x	*l*	x	*p*				Jumlah				
	a. Install Plastic Sheet			65,00	x	224,00				1,00		14.560,00	**14.560,00**	m2
													14.539,52	
						D		Kg/m2		Luas				
	b. Install Rebar Slab	1,00	6,6667	Top		10,00	0,006165	4,11		14.000,00		230.160,00	**230.160,00**	Kg
		1,00	6,6667			10,00	0,006165	4,11					**23.016,00**	Kg

NO	BACK UP HITUNGAN										JUMLAH	TOTAL VOLUME	SAT.
1	2										3	4	5
		1,00	6,6667	Bottom		10,00	0,006165	4,11					
		1,00	6,6667			10,00	0,006165	4,11					
								16,44					
	c. Form Work Slab Ground Floor	*t*	x	*l*	x	*p*							
	Module 1	0,20				80,25					16,05		m2
	Module 2	0,20				80,25					16,05		m2
	Module 3	0,20				16,25					3,25		m2
	Module 4	0,20				48,25					9,65		m2
	Module 5	0,20				112,25					22,45		m2
	Module 6	0,20				40,25					8,05		m2
	Module 7	0,20				72,13					14,43		m2
	Module 8	0,20				72,13					14,43		m2
	Module 9	0,20				8,13					1,63		m2
	Module 10	0,20				40,13					8,03		m2
	Module 11	0,20				112,25					22,45		m2
	Module 12	0,20				40,25					8,05		m2
	Module 13	0,20				72,13					14,43		m2
	Module 14	0,20				72,13					14,43		m2
	Module 15	0,20				8,13					1,63		m2
	Module 16	0,20				40,13					8,03		m2
	Module 17	0,20				112,25					22,45		m2
	Module 18	0,20				40,25					8,05		m2
	Module 19	0,20				72,13					14,43		m2
	Module 20	0,20				72,13					14,43		m2
	Module 21	0,20				8,13					1,63		m2
	Module 22	0,20				40,13					8,03		m2
	Module 23	0,20				130,25					26,05		m2
	Module 24	0,20				56,25					11,25		m2
											289,30	**289,30**	m2
	d. Pouring Concrete Slab Ground Floor	*t*	x	*l*	x	*p*		Volume		Luas			
	S1	0,20	x	1,00	x	1,00		0,20		14.539,52	2.907,90	**2.907,90**	m3
												2.899,71	
	e. Trowel Slab Ground Floor	*t*	x	*l*	x	*p*			Jumlah	Luas			
	Slab			65,00	x	224,00			1,00	14.539,52	14.539,52	**14.539,52**	m2
												14.519,04	
5	Beton Slab First Floor Work												
	a. Install Rebar Slab First Floor					D		Kg/m2		Luas			
	S1	1,00	6,6667	X		13,00	0,006165	6,95		6496,00	98.242,81	**98.242,81**	Kg
		1,00	6,6667	Y		13,00	0,006165	6,95		576,00		**9.824,28**	Kg
								13,89					
	b. Form Work Slab First Floor	*t*	x	*l*	x	*p*							
	Module 1	0,12				506,00	2,00				60,72		m2
	Module 2	0,12				88,00	2,00				10,56		m2
											137,56	**275,12**	m2

UNIVERSITAS ATMA JAYA YOGYAKARTA

NO	BACK UP HITUNGAN									JUMLAH	TOTAL VOLUME	SAT.
1	2									3	4	5
	c. Pouring Concrete Slab	*t*	x	*l*	x	*p*	Volume		Luas			
	S1	0,20	x	1,00	x	1,00	0,20		6.496,00	1.414,40	**1.414,40**	m3
				2,00	x	8,00			576,00			
	d. Trowel Slab First Floor	*t*	x	*l*	x	*p*		Jumlah	Luas			
	Slab			14,50	x	224,00		2,00	6.496,00	6.496,00		m2
				8,00	x	36,00		2,00	576,00	576,00		
				2	x	8			4	7.072,00	**7.072,00**	m2
6	Beton kolom praktis 10x10	*p*	x	*jml*								
	dinding	4,00	x	84,00						336,00		
	dinding	4,00	x	84,00						336,00		
	dinding	2,50	x	36,00						90,00		
	dinding	3,50	x	37,00						129,50		
	Pintu dan jendela	2,50	x	24,00						60,00		
	Pintu dan jendela	2,50	x	24,00						60,00		
										1.011,50	**1.011,50**	m'
7	Bond Beam 10x15	*p*	x	*jml*								
		8,00	x	28,00						224,00		m'
		8,00	x	28,00						224,00		
		12,00	x	4,00						48,00		
		10,50	x	4,00						42,00		
		10,00	x	4,00						40,00		
										578,00	**578,00**	m'
IV	**PEKERJAAN BAJA**											
1	Ereksi Baja											
	Column C1; H 500~1200x350x10x14	90736								90.736	**90.736,00**	Kg
	Rafter R1; H 800~1400x300x8x14	152533								152.533	**152.533,00**	Kg
	Rafter R2; H 800x300x8x14	72206								72.206	**72.206,00**	Kg
	Rafter R3; H 800~1200x300x8x14	49282								49.282	**49.282,00**	Kg
	Column C2; H 400x400x13x21	130794								130.794,00	**130.794,00**	Kg
	Column C3; H 350x175x7x11	8309								8.309,00	**8.309,00**	Kg
	Column C4; H 200x200x8x12	8152								8.152,00	**8.152,00**	Kg
	Column C5; H 300x300x10x15	6142								6.142,00	**6.142,00**	Kg
	Overhang Beam R4; H 300x300x10x15	26063								26.063,00	**26.063,00**	Kg
	Overhang Beam R5; H 300x300x10x15 (to Canopy +5000)	24258								24.258,00	**24.258,00**	Kg
	Fascia Beam R6; H 300x300x10x15 (to Canopy +8500)	3093								3.093,00	**3.093,00**	Kg
	Canopy Beam R7; H 300x300x10x15	-								-	**-**	Kg
	Overhang Beam R4; H 300x300x10x15	-								-	**-**	Kg
	Beam B1; H 350x175x7x11	41194								41.194,00	**41.194,00**	Kg
	Beam B2; H 450x200x9x14	277051								277.051,00	**277.051,00**	Kg
	Beam B3; H 500x200x10x16	41491								41.491,00	**41.491,00**	Kg

NO	BACK UP HITUNGAN									JUMLAH	TOTAL VOLUME	SAT.
1	2									3	4	5
	Beam B4; H 600x200x11x17	49439								49.439,00	**49.439,00**	Kg
	Beam B5; H 588x300x12x20	147996								147.996,00	**147.996,00**	Kg
	Canopy Beam B7; H 300x150x6.5x9	-								-	**-**	Kg
	Beam B8; H 400x200x8x13	30928								30.928,00	**30.928,00**	Kg
	Vertical Brace VB1 ; ROUND BAR Ø28	3600								3.600,00	**3.600,00**	Kg
	Horisontal Brace HB1 ; ROUND BAR Ø25	10112								10.112,00	**10.112,00**	Kg
	Sagrod and Bridging SG1, BR1 ; ROUND BAR Ø12	3376								3.376,00	**3.376,00**	Kg
	Vertical Brace VB2; PIPE Ø101.6x4	-								-	**-**	Kg
	Purlin and Girt B6; C 200x75x20x3.2	157779								157.779,00	**157.779,00**	Kg
	Fascia Beam B6; C 150x50x20x3.2	-								-	**-**	Kg
	Holding down bolts M36; 800mm long	580								580,00	**580,00**	No
	Holding down bolts M24; 600mm long	52								52,00	**52,00**	No
	Holding down bolts M22; 600mm long	72								72,00	**72,00**	No
	b) Fly brace 65x5	9.062								9.061,63	**9.061,63**	Kg
	b) Fascia Beam B6; C150x50x20x3.2	37.500								37.500,11	**37.500,11**	Kg
	c) Supporting Gutter	21.936								21.935,97	**21.935,97**	Kg
											1.106.253,00	Kg
2	Install Bondek	*t*	x	*l*	x	*p*			Luas	Jumlah		
				12,50	x	224,00			2.800,00	1,00	2.800,00		m2
				12,50	x	224,00			2.800,00	1,00	2.800,00		m2
				36,00	x	8			576,00	2,00	1.152,00		m2
											6.752,00	**6.752,00**	m2
3	Install Roof Sheet	*t*	x	*l*	x	*p*			Luas	Jumlah			
	1			24,5	x	224,00			5.488,00	2,00	10.976,00		m2
	2			16	x	10,00			160,00	2,00	320,00		m2
	3			16	x	208,00			3.328,00	1,00	3.328,00		m2
											14.560,00	**14.560,00**	m2
4	Install Ikatan Angin	*t*	x	*l*	x	*p*			Luas	Jumlah			
				5,12	x	8,00			40,94	36,00	1.473,70	**1.473,70**	m2
5	Pemasangan Angkur	pix(D/2)^2xL	Berat per m		L		Jumlah						
	Angkur BP1	5.280,00	8,50		4,20		58,00	306.240,00			2.070,60		kg
	Angkur BP2		8,50		4,20		58,00				2.070,60		kg
	Angkur BP3		3,50		1,80		12,00				75,60		kg
	Angkur BP3A		3,50		1,80		4,00				25,20		kg
	Angkur BP4		8,50		4,20		6,00				214,20		kg
											138,00	**138,00**	ttk
V	**PEKERJAAN PASANGAN**												

UNIVERSITAS ATMA JAYA YOGYAKARTA

NO	BACK UP HITUNGAN										JUMLAH	TOTAL VOLUME	SAT.
1	2										3	4	5
1	Pas Dinding Bata Hebel	*t*	x	*l*	x	*p*			Luas	Jumlah			
	1						3.384,00		3690,1	1,00	3.384,00		m2
	2						1.292,00		1.105	1,00	1.292,00		m2
	3						4.676,00		1856	1,00	1.856,00		m2
											4.676,00	**4.676,00**	m2
2	Pek. Plesteran	*t*	x	*l*	x	*p*	*sisi*	*x*	Luas	Jumlah			
	1						2,00	x	9.352,00	1,00	9.352,00	**9.352,00**	m2
3	Pek. Acian Dinding	*t*	x	*l*	x	*p*	*sisi*	*x*	Luas	Jumlah			
	1						2,00	x	9.352,00	1,00	9.352,00	**9.352,00**	m2
4	Pasang keramik lantai KM 25x25	*L*	x	*p*									
		4,00	x	6,00							24,00		
		4,00	x	9,00							36,00		
		4,00	x	6,00							24,00		
		4,00	x	9,00							36,00		
		4,00	x	6,00							24,00		
		4,00	x	9,00							36,00		
		4,00	x	6,00							24,00		
		4,00	x	9,00							36,00		
											240,00	**240,00**	m2
5	Pasang keramik dinding KM 25x40	*Tinggi*	x	*Keliling*									
		2,20	x	18,00							39,60		
		2,20	x	24,00							52,80		
		2,20	x	18,00							39,60		
		2,20	x	24,00							52,80		
		2,20	x	18,00							39,60		
		2,20	x	24,00							52,80		
		2,20	x	18,00							39,60		
		2,20	x	24,00							52,80		
											369,60	**369,60**	m2
6	Pasang keramik Lantai dapur 25x25	*L*	x	*p*	x	Jumlah							
		6,00	x	32,00	x	4,00					768,00	**768,00**	m2
7	Pasang keramik Dinding dapur 25x40	*t*	x	*p*	x	Jumlah							
		2,50	x	6,00	x	16,00					240,00	240,00	m2
VI	**PEKERJAAN AKSESORIS ATAP**												
1	Pasang Insulasi atap	p	x	l									
		224,00	x	65,00							14.560,00	**14.560,00**	m2
2	Pasang Alumunium foil	p	x	l							14.560,00	**14.560,00**	m2
		224,00	x	65,00									
3	Pasang Bubungan Atap Besi	p											

NO	BACK UP HITUNGAN									JUMLAH	TOTAL VOLUME	SAT.
1	2									3	4	5
		224,00								224,00	**224,00**	m2
4	Pasang Glasswool Atap peredam suara	p	x	l								
		224,00	x	65,00						14.560,00	**14.560,00**	m2
VII	**PEKERJAAN PINTU JENDELA**											
1	Pas. Kusen pintu	*t*	x	*l*	x	*p*	x	*jml*				
	Kusen Pintu besi 1 pintu	0,05	x	0,05	x	6,10	x	5,00		30,50	**0,4309**	m
	Kusen Pintu besi 2 pintu	0,05	x	0,05	x	7,00	x	9,00		63,00	**0,5429**	m
	Kusen Pintu Alumunium	0,045	x	0,045	x	6,30	x	11,00		69,30	**0,5192**	m
	Kusen Pintu Alumunium	0,045	x	0,045	x	5,40	x	6,00		32,40	**0,4121**	m
										195,20	**195,20**	m
2	Pas. Daun pintu	*l*	x	*t*	x	*jml*						
	Pintu Alumunium 2 Pintu	*2,00*	x	*2,15*	x	*11,00*				25,80	**6,8775**	m2
	Pintu Alumunium 1 Pintu	1,10	x	2,15	x	6,00				9,26	**3,7670**	m2
	Pintu Besi 1 Pintu	1,00	x	2,45		5,00				12,25	3,5000	m
	Pintu Besi 2 Pintu	1,90	x	2,45	x	9,00				41,90	6,4730	m
										89,21	**89,21**	m2
3	Pasang Kusen Jendela Alumunium	*t*	x	*l*	x	*p*	x	*jml*				
		0,045	x	0,045	x	10,40	x	19,00	3 plong	197,60		
		0,045	x	0,045	x	8,10	x	70,00	2 plong	567,00		
		0,045	x	0,045	x	8,10	x	70,00	2plong	567,00		
										1.331,60	**1.331,60**	m
4	Pasang kaca bening 5mm	*l*	*x*	*t*	*x*	*plong*	*x*	*jml*				
	Jendela	3,40	x	1,80	x	1,00	x	19,00		116,28		
	Jendela	2,25	x	1,80	x	1,00	x	70,00		283,50		
	Jendela	2,25	x	1,80	x	1,00	x	70,00		283,50		
										683,28	**683,28**	m2
5	Pasang Pintu Roll Door Besi	35,00	+	84,00						119,00	**119,00**	m2
6	Pasang kunci selot	1 pintu	2 pintu									
	Besi	5,00	9							23,00		
	Alumunium/pvc	14,00	11							36,00		
										59,00	**59,00**	bh
7	Pasang Engsel pintu	*isi*	x	*jml pintu Km*	Jml Pintu Besi	)intu alumunium						
	1 Pintu	3,00	x	68,00	5,00	*6,00*				237,00		
	2 pintu	3,00	x		9,00	11,00				60,00		
										297,00	**297,00**	bh
8	Pasang Door Closer	Jml										
		39,00								39,00	**39,00**	bh
9	Pasang Gagang Pintu	jml										
	pintu alumunium	28,00								28,00		

NO	BACK UP HITUNGAN						JUMLAH	TOTAL VOLUME	SAT.
1	2						3	4	5
	pintu besi	23,00					23,00		
	pintu pvc	68,00					68,00		
							119,00	**119,00**	bh
8	Pasang grendel jendela	*jml*							
		38,00					38,00		
		140,00					140,00		
		140,00					140,00		
							318,00	**318,00**	bh
9	Pintu PVC Kamar mandi	8,00					8,00	**8,00**	unit
VIII	**PEKERJAAN LISTRIK**								
1	Pas. Instalasi listrik	100,00					100,00	**100,00**	ttk
2	Pas. Lampu LED 100 W	32,50	56				1.820,00	**1.820,00**	bh
3	Stop kontak	364,00				2,32	364,00	**364,00**	bh
4	Saklar ganda	224,00					224,00	**224,00**	bh
5	Panel box MCB	3,00				0,10	3,00	**3,00**	ttk
6	Pasang Exhaust Dapur	8,00					8,00	**8,00**	Unit
7	Pasang Genset	2,00				0,36	2,00	**2,00**	Unit
8	Pasang Dome Fixed IP Camera	9,00					9,00	**9,00**	Set
IX	**PEKERJAAN SANITASI**								
1	Pasang Pipa air bersih Ø 3/4"	120					120,00	**120,00**	m'
2	Pasang Pipa air kotor Ø2"	460,00					460,00	**460,00**	m'
3	Pasang Pipa air kotor Ø3"	80,00					80,00	**80,00**	m'
4	Pasang Pipa air kotor Ø4"	100,00					100,00	**100,00**	m'
5	Pasang Bak kontrol	10,00					10,00	**10,00**	ls
6	Pasang kran air 3/4"	20,00					20,00	**20,00**	bh
7	Pasang Kran shower	-					-	**-**	bh
8	Pasang Kloset jongkok	65,00					65,00	**65,00**	unit
9	Pengeboran sumur	4,00	x	6,00			24,00	**24,00**	m'
10	Pasang pompa air	5,00					5,00	**5,00**	unit
11	Pasang Kitchen zink dapur	15,00					15,00	**15,00**	unit
12	Pasang Septiktang dan resapan	4,00					4,00	**4,00**	unit
13	Pasang Urinoir	16,00					16,00	**16,00**	Bh
14	Pasang Floor Drain	68,00					68,00	**68,00**	Bh
X	**PEKERJAAN PENGECATAN**								
1	Pengecatan dinding								
	Luas acian dinding	9.352,00					9.352,00	**9.352,00**	m2

UNIVERSITAS ATMA JAYA YOGYAKARTA

RENCANA ANGGARAN BIAYA

NAMA PEKERJAAN	: PEMBANGUNAN GEDUNG KANTIN	
LOKASI	Bojong, Pekalongan, Jawa Tengah	
TAHUN	2024	

NO.	URAIAN PEKERJAAN	VOLUME	SAT.	HARGA SATUAN (Rp.)	JUMLAH (Rp.)
1	2	3	4	5	6
I	**PEKERJAAN PERSIAPAN**				
1	Membersihkan lapangan dan perataan	14.560,00	m2	Rp 45.569,00	Rp 663.484.640,00
2	Uitset dan Pengukuran bouwplank	290,00	m'	Rp 61.380,00	Rp 17.800.200,00
				Jumlah	**Rp 681.284.840,00**
II	**PEKERJAAN TANAH**				
1	Pekerjaan galian tanah	1.517,76	m3	Rp 46.446,00	Rp 70.493.880,96
2	Pek. Urugan tanah kembali	379,44	m3	Rp 187.874,00	Rp 71.286.910,56
3	Pek. urug tanah peninggian lantai dipadatkan	144,32	m3	Rp 195.434,00	Rp 28.205.034,88
4	Pek. Urug pasir bawah lantai	54,12	m3	Rp 304.990,00	Rp 16.506.058,80
				Jumlah	**Rp 186.491.885,20**
III	**PEKERJAAN BETON**				
1	Pasang Tiang Pancang	6.384,00	m'	Rp 642.893,00	Rp 4.104.228.912,00
2	Beton Sloof				
	a. Lean Concrete Below Ground Beam	35,12	m3	Rp 1.074.359,00	Rp 37.731.488,08
	b. Rebar Ground Beam	4.783,21	Kg	Rp 144.249,00	Rp 689.973.547,79
	C. Formwork Ground Beam	2.338,40	m2	Rp 111.550,00	Rp 260.848.520,00
	d. Pouring Concrete Ground Beam	467,68	m3	Rp 1.323.025,00	Rp 618.752.332,00
3	Beton Pilecap				
	a. Cutting Head Pilecap Work	532,00	Nos	Rp 400.400,00	Rp 213.012.800,00
	b. Persiapan dan Pemadatan	332,80	m2	Rp 49.197,00	Rp 16.372.761,60
	c. Lean Concrete Below Pilecap	16,64	m3	Rp 1.074.359,00	Rp 17.877.333,76
	d. Pekerjaan Rebar Pilecap	1.714,40	Kg	Rp 144.249,00	Rp 247.300.197,10
	e. Bekisting Pilecap	487,68	m2	Rp 168.675,00	Rp 82.259.424,00
	f. Pouring Concrete Pilecap	199,68	m3	Rp 1.323.025,00	Rp 264.181.632,00
4	Beton Slab Ground Floor				
	a. Install Plastic Sheet	14.539,52	m2	Rp 80.595,00	Rp 1.171.812.614,40
	b. Install Rebar Slab	23.016,00	Kg	Rp 144.249,00	Rp 3.320.034.984,00
	c. Form Work Slab Ground Floor	289,30	m2	Rp 168.675,00	Rp 48.797.677,50
	d. Pouring Concrete Slab Ground Floor	2.899,71	m3	Rp 1.323.025,00	Rp 3.836.386.176,70
	e. Trowel Slab Ground Floor	14.519,04	m2	Rp 34.892,00	Rp 506.598.343,68
5	Beton Slab First Floor Work				
	a. Install Rebar Slab First Floor	9.824,28	Kg	Rp 144.249,00	Rp 1.417.142.709,97
	b. Form Work Slab First Floor	275,12	m2	Rp 141.384,00	Rp 38.897.566,08
	c. Pouring Concrete Slab	1.414,40	m3	Rp 1.323.025,00	Rp 1.871.286.560,00
	d. Trowel Slab First Floor	7.072,00	m2	Rp 34.892,00	Rp 246.756.224,00
6	Beton kolom praktis 10x10	1.011,50	m	Rp 313.814,00	Rp 317.422.861,00
7	Bond Beam 10x15	578,00	m	Rp 355.330,00	Rp 205.380.740,00
				Jumlah	**Rp 19.533.055.405,66**
IV	**PEKERJAAN BAJA**				
1	Ereksi Baja	1.106.253,00	Kg	Rp 30.000,00	Rp 33.187.590.000,00
2	Install Bondek	6.752,00	m2	Rp 215.292,00	Rp 1.453.651.584,00
3	Install Roofsheet	14.560,00	m2	Rp 218.200,00	Rp 3.176.992.000,00
4	Install Ikatan Angin	1.473,70	m2	Rp 60.154,00	Rp 88.648.949,80
5	Pemasangan Angkur	138,00	ttk	Rp 393.972,00	Rp 54.368.136,00
				Jumlah	**Rp 37.961.250.669,80**
V	**PEKERJAAN PASANGAN**				
1	Pas Dinding Bata Hebel	4.676,00	m2	Rp 120.940,00	Rp 565.515.440,00
2	Pek. Plesteran	9.352,00	m2	Rp 53.253,00	Rp 498.022.056,00
3	Pek. Acian Dinding	9.352,00	m2	Rp 117.654,00	Rp 1.100.300.208,00
4	Pasang keramik lantai KM 25x25	240,00	m2	Rp 291.473,00	Rp 69.953.520,00
5	Pasang keramik dinding KM 25x40	369,60	m2	Rp 342.276,00	Rp 126.505.209,60
6	Pasang keramik Lantai dapur 25x25	768,00	m2	Rp 291.473,00	Rp 223.851.264,00
7	Pasang keramik Dinding dapur 25x40	240,00	m2	Rp 342.276,00	Rp 82.146.240,00
				Jumlah	**Rp 2.666.293.937,60**
VI	**PEKERJAAN AKSESORIS ATAP**				
1	Pasang Alumunium foil	14.560,00	m2	Rp 151.072,00	Rp 2.199.608.320,00
2	Pasang Bubungan Atap Besi	224,00	m'	Rp 105.025,00	Rp 23.525.600,00
3	Pasang Glasswool Atap peredam suara	14.560,00	m2	Rp 39.802,00	Rp 579.517.120,00
				Jumlah	**Rp 2.802.651.040,00**
VII	**PEKERJAAN PINTU JENDELA**				
1	Pas. Kusen pintu				
	Pintu besi	14,0000	bh	Rp 5.179.598,00	Rp 72.514.372,00
	Kusen Pintu Alumunium	101,7000	m'	Rp 207.236,00	Rp 21.075.901,20
2	Pas. Daun pintu				
	Pintu Alumunium	35,0620	m2	Rp 504.477,00	Rp 17.687.972,57
	Pintu Panel Steel	14,0000	bh	Rp 1.117.050,00	Rp 15.638.700,00
3	Pasang Kusen Jendela Alumunium	1.331,60	m'	Rp 186.285,00	Rp 248.057.106,00
4	Pasang kaca bening 5mm	683,28	m2	Rp 175.410,00	Rp 119.854.144,80
5	Pasang Pintu Roll Door Besi	119,00	bh	Rp 1.471.360,00	Rp 175.091.840,00
6	Pasang kunci selot	59,00	bh	Rp 115.269,00	Rp 6.800.871,00
7	Pasang Engsel pintu	297,00	bh	Rp 46.689,00	Rp 13.866.633,00
8	Pasang Door Closer	39,00	bh	Rp 46.689,00	Rp 1.820.871,00
9	Pasang Gagang Pintu	119,00	set	Rp 258.269,00	Rp 30.734.011,00
10	Pasang grendel jendela	318,00	bh	Rp 53.614,00	Rp 17.049.252,00
11	Pintu PVC Kamar mandi	8,00	unit	Rp 696.300,00	Rp 5.570.400,00
				Jumlah	**Rp 745.762.074,57**
VIII	**PEKERJAAN LISTRIK**				
1	Pas. Instalasi listrik	100,00	ttk	Rp 271.040,00	Rp 27.104.000,00
2	Pas. Lampu LED 100 W	1.820,00	bh	Rp 120.618,00	Rp 219.524.760,00
3	Stop kontak	364,00	bh	Rp 44.828,00	Rp 16.317.392,00
4	Saklar ganda	224,00	bh	Rp 44.828,00	Rp 10.041.472,00
5	Panel box MCB	3,00	ttk	Rp 483.071,00	Rp 1.449.213,00
6	Pasang Exhaust Dapur	8,00	Unit	Rp 236.764,00	Rp 1.894.112,00
7	Pasang Genset	2,00	Unit	Rp 177.983.657,00	Rp 355.967.314,00
8	Pasang Dome Fixed IP Camera	9,00	Set	Rp 5.384.116,00	Rp 48.457.044,00
				Jumlah	**Rp 680.755.307,00**

1	2	3	4	5	6
IX	**PEKERJAAN SANITASI**				
1	Pasang Pipa air bersih Ø 3/4"	120,00	m'	Rp 40.953,00	Rp 4.914.360,00
2	Pasang Pipa air kotor Ø2"	460,00	m'	Rp 45.202,00	Rp 20.792.920,00
3	Pasang Pipa air kotor Ø3"	80,00	m'	Rp 92.417,00	Rp 7.393.360,00
4	Pasang Pipa air kotor Ø4"	100,00	m'	Rp 112.464,00	Rp 11.246.400,00
5	Pasang Bak kontrol	10,00	ls	Rp 19.353.331,00	Rp 193.533.310,00
6	Pasang kran air 3/4"	20,00	bh	Rp 120.137,00	Rp 2.402.740,00
7	Pasang Kloset jongkok	65,00	unit	Rp 652.617,00	Rp 42.420.105,00
8	Pengeboran sumur	24,00	m'	Rp 426.199,00	Rp 10.228.776,00
9	Pasang pompa air	5,00	unit	Rp 5.398.624,00	Rp 26.993.120,00
10	Pasang Kitchen zink dapur	15,00	Unit	Rp 1.115.730,00	Rp 16.735.950,00
11	Pasang Septiktang dan resapan	4,00	ls	Rp 3.658.600,00	Rp 14.634.400,00
13	Pasang Urinoir	16,00	Bh	Rp 3.397.034,00	Rp 54.352.544,00
14	Pasang Floor Drain	68,00	Bh	Rp 78.455,00	Rp 5.334.940,00
				Jumlah	**Rp 410.982.925,00**
X	**PEKERJAAN PENGECATAN**				
1	Pengecatan dinding	9.352,00	m2	Rp 28.998,00	Rp 271.189.296,00
2	Pengecatan Baja Galvanis	250,00	m2	Rp 257.965,00	Rp 64.491.250,00
				Jumlah	**Rp 335.680.546,00**
XI	**PEKERJAAN PENANGKAL PETIR**				
	Pekerjaan Pengeboran dan Pemasangan instalasi penangkal petir				
1	Pengeboran Arde 6 titik 12 Meter	72,00	ls	Rp 225.000,00	Rp 16.200.000,00
2	Pemasangan instalasi kabel BC dan BBC	50,00	ls	Rp 10.000,00	Rp 500.000,00
3	Pemasangan Thomas R 125 & Kurn R 150	2,00	ls	Rp 250.000,00	Rp 500.000,00
4	Pembuatan bak kontrol	1,00	ls	Rp 150.000,00	Rp 150.000,00
5	Pemasangan menara treangel	1,00	ls	Rp 500.000,00	Rp 500.000,00
				Jumlah	**Rp 17.850.000,00**
	Pengadaan				
1	Kurn R 150	1,00	ls	Rp 5.900.000,00	Rp 5.900.000,00
2	Kabel BC 50 mm full	78,00	m	Rp 70.000,00	Rp 5.460.000,00
3	Kabel Down Conductor BCC x 50 mm	150,00	m	Rp 85.000,00	Rp 12.750.000,00
4	Ground root tembaga	6,00	ls	Rp 350.000,00	Rp 2.100.000,00
5	Menara Triangle	1,00	ls	Rp 7.000.000,00	Rp 7.000.000,00
6	Pipa 1" Galvanis	12,00	batang	Rp 175.000,00	Rp 2.100.000,00
7	klem & acsesoris	100,00	ls	Rp 10.000,00	Rp 1.000.000,00
8	Viking R 125	2,00	ls	Rp 12.200.000,00	Rp 24.400.000,00
				Jumlah	**Rp 60.710.000,00**
				Total	**Rp 78.560.000,00**
XII	**PEKERJAAN PENERAPAN SMKK**				
1	Penyiapan dokumen penerapan SMKK				
2	Sosialisasi, promosi dan peralatan	1	Ls	Rp 150.000,00	Rp 150.000,00
3	Alat Pelindung Kerja dan Alat Pelindung Diri				
	a. APD ,antara lain :				
	1). Topi pelindung (Safety net)	600,00	Bh	Rp 50.000,00	Rp 30.000.000,00
	2). Pelindung pernafasan dan mulut (masker)	60,00	Box	Rp 100.000,00	Rp 6.000.000,00
	3). Sarung tangan (Safety gloves)	600,00	Psg	Rp 7.000,00	Rp 4.200.000,00
	4). Sepatu keselamatan (Safety shoes, rubber safety)	600,00	Psg	Rp 80.000,00	Rp 48.000.000,00
	5). Rompi keselamatan (Safety vast)	600,00	Bh	Rp 40.000,00	Rp 24.000.000,00
	6). Rompi keselamatan (Safety vast)	300,00	Bh	Rp 500.000,00	Rp 150.000.000,00
4	Asuransi dan Perizinan Terkait Keselamatan Konstruksi	1	Ls	Rp 300.000,00	Rp 300.000,00
5	Personil Keselamatan Konstruksi				
6	Fasilitasi sarana,prasarana, dan alat kesehatan				
	a. Peralatan P3K	1	Ls	Rp 150.000,00	Rp 150.000,00
7	Rambu dan Perlengkapan Lalu Lintas yang diperlukan atau manajemen lalu lintas				
	a. Rambu Peringatan	1	Ls	Rp 250.000,00	Rp 250.000,00
8	Konsultasi dengan Ahli terkait Keselamatan Konstruksi				
9	Kegiatan dan peralatan terkait Pengendalian Risiko Keselamatan Konstruksi				
				Jumlah	**Rp 263.050.000,00**
				Total Biaya Keseluruh	**Rp 66.345.818.630,83**

PEKERJAAN PERSIAPAN

Analisa : AHSP PU 2022 1.1.f /TM.01.6.a
Item : Membersihkan 1m2 Lapangan dan Perataan
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,051	Rp. 150.000,00	Rp. 7.680,00
	Mandor	O - H	0,005	Rp. 180.000,00	Rp. 918,00
			Jumlah Tenaga Kerja (A)		**Rp. 8.598,00**
B	**BAHAN**				
			Jumlah Harga Bahan (B)		**Rp -**
C	**PERALATAN**				
	Excavator type Caterpillar PC 200	Jam	0,023	Rp 293.120,10	Rp 6.838,49
	Dumptruck	Jam	0,135	Rp 175.000,00	Rp 23.625,00
	Motor grade GD 40 HT-2	Jam	0,004	Rp. 591.000,00	Rp 2.364,00
			Jumlah Harga Alat (C)		**Rp. 32.827,49**
D	Jumlah (A + B + C)				Rp. 41.425,49
E	Overhead & Profit		10% x D		Rp. 4.142,55
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 45.568,04**
G	**Dibulatkan**				**Rp. 45.569,00**

Analisa : AHSP PU 2022 1.1.d (c)
Item : Pengukuran dan Pemasangan 1 m' Bouwplank
Satuan : m'

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,100	Rp. 150.000,00	Rp. 15.000,00
	Tukang	O - H	0,100	Rp. 150.000,00	Rp. 15.000,00
	Kepala Tukang	O - H	0,010	Rp. 170.000,00	Rp. 1.700,00
	Mandor	O - H	0,005	Rp. 180.000,00	Rp. 900,00
			Jumlah Tenaga Kerja (A)		**Rp. 32.600,00**
B	**BAHAN**				
	Kayu balok 5/7	m3	0,012	Rp. 1.500.000,00	Rp. 18.000,00
	Paku 2"-3"	kg	0,020	Rp. 15.000,00	Rp. 300,00
	Kayu papan 3/20	m3	0,007	Rp. 700.000,00	Rp. 4.900,00
			Jumlah Harga Bahan (B)		**Rp. 23.200,00**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 55.800,00
E	Overhead & Profit		10% x D		Rp. 5.580,00
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 61.380,00**
G	**Dibulatkan**				**Rp. 61.380,00**

PEKERJAAN TANAH

Analisa : AHSP PU 2022 TM.01.6.b
Item : Pekerjaan Galian Tanah 1m3 sedalam 2m'
Satuan : m3

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,070	Rp. 150.000,00	Rp. 10.500,00
	Mandor	O - H	0,007	Rp. 180.000,00	Rp. 1.260,00
			Jumlah Tenaga Kerja (A)		**Rp. 11.760,00**

B	**BAHAN**						
			Jumlah Harga Bahan (B)			**Rp**	**-**
C	**PERALATAN**						
	Excavator Cat PC 200	Jam	0,023	Rp	293.120,10	Rp	6.838,49
	Dump truck Mitsubishi 120 PS	Jam	0,135	Rp	175.000,00	Rp	23.625,00
			Jumlah Harga Alat (C)			**Rp.**	**30.463,49**
D	Jumlah (A + B + C)					Rp.	42.223,49
E	Overhead & Profit		10% x D			Rp.	4.222,35
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**46.445,84**
G	**Dibulatkan**					**Rp.**	**46.446,00**

Analisa : AHSP PU 2022 TM.01.6.e
Item : Pekerjaan Urugan Tanah
Satuan : m3

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	0,070	Rp.	150.000,00	Rp.	10.500,00
	Mandor	O - H	0,007	Rp.	180.000,00	Rp.	1.260,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**11.760,00**
B	**BAHAN**						
	Tanah urug	m3	1,000	Rp.	128.571,00	Rp.	128.571,00
			Jumlah Harga Bahan (B)			**Rp.**	**128.571,00**
C	**PERALATAN**						
	Excavator Cat PC 200	Jam	0,023	Rp	293.120,10	Rp	6.838,49
	Dump truck Mitsubishi 120 PS	Jam	0,135	Rp	175.000,00	Rp	23.625,00
			Jumlah Harga Alat (C)			**Rp.**	**30.463,49**
D	Jumlah (A + B + C)					Rp.	170.794,49
E	Overhead & Profit		10% x D			Rp.	17.079,45
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**187.873,94**
G	**Dibulatkan**					**Rp.**	**187.874,00**

Analisa : AHSP
Item : Pekerjaan 1m3 Urugan Tanah Pondasi Peninggian Lantai Dipadatkan
Satuan : m3

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	0,275	Rp.	150.000,00	Rp.	41.250,00
	Mandor	O - H	0,002	Rp.	180.000,00	Rp.	270,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**41.520,00**
B	**BAHAN**						
	Tanah urug	m3	1,000	Rp.	128.571,00	Rp.	128.571,00
			Jumlah Harga Bahan (B)			**Rp.**	**128.571,00**
C	**PERALATAN**						
	Excavator Cat PC 200	Jam	0,023	Rp	293.120,10	Rp	6.838,49
	Stamper	Jam	0,020	Rp.	36.875,00	Rp	737,50
			Jumlah Harga Alat (C)			**Rp.**	**7.575,99**
D	Jumlah (A + B + C)					Rp.	177.666,99
E	Overhead & Profit		10% x D			Rp.	17.766,70
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**195.433,69**
G	**Dibulatkan**					**Rp.**	**195.434,00**

Analisa : AHSP PU A.2.3.1.11.a
Item : Pekerjaan 1m3 pengurugan Pasir Bawah Lantai
Satuan : m3

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)

A	**TENAGA**						
	Pekerja	O - H	0,300	Rp.	150.000,00	Rp.	45.000,00
	Mandor	O - H	0,010	Rp.	180.000,00	Rp.	1.800,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**46.800,00**
B	**BAHAN**						
	Pasir urug	m3	1,000	Rp.	200.000,00	Rp.	200.000,00
			Jumlah Harga Bahan (B)			**Rp.**	**200.000,00**
C	**PERALATAN**						
	Excavator Cat PC 200	Jam	0,023	Rp	293.120,10	Rp	6.838,49
	Dump truck Mitsubishi 120 PS	Jam	0,135	Rp	175.000,00	Rp	23.625,00
			Jumlah Harga Alat (C)			**Rp.**	**30.463,49**
D	Jumlah (A + B + C)					Rp.	277.263,49
E	Overhead & Profit		10% x D			Rp.	27.726,35
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**304.989,84**
G	**Dibulatkan**					**Rp.**	**304.990,00**

PEKERJAAN BETON SLOOF

Analisa : AHSP PU A.4.1.1.2
Item : Lean Concrete Below Ground Beam Mutu Beton f'c=9,8 Mpa (K125)
Satuan : m3

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	1,000	Rp.	150.000,00	Rp.	150.000,00
	Tukang	O - H	0,250	Rp.	150.000,00	Rp.	37.500,00
	Kepala Tukang	O - H	0,025	Rp.	170.000,00	Rp.	4.250,00
	Mandor	O - H	0,083	Rp.	180.000,00	Rp.	14.940,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**206.690,00**
B	**BAHAN**						
	Campuran Beton Ready Mix	m3	1,000	Rp.	770.000,00	Rp.	770.000,00
			Jumlah Harga Bahan (B)			**Rp.**	**770.000,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	976.690,00
E	Overhead & Profit		10% x D			Rp.	97.669,00
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**1.074.359,00**
G	**Dibulatkan**					**Rp.**	**1.074.359,00**

Analisa : AHSP PU 2016 4.1.1.21
Item : Pemasangan 1m2 bekisting kayu untuk sloof
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	0,520	Rp.	150.000,00	Rp.	78.000,00
	Tukang	O - H	0,260	Rp.	150.000,00	Rp.	39.000,00
	Kepala Tukang	O - H	0,026	Rp.	170.000,00	Rp.	4.420,00
	Mandor	O - H	0,026	Rp.	180.000,00	Rp.	4.680,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**126.100,00**
B	**BAHAN**						
	Kayu Kelas III	m3	0,045	Rp.	2.266.666,67	Rp.	102.000,00
	Paku 5-10 cm	kg	0,300	Rp.	20.500,00	Rp.	6.150,00
	Minyak Bekisting	Liter	0,100	Rp.	8.100,00	Rp.	810,00
			Jumlah Harga Bahan (B)			**Rp.**	**108.960,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	235.060,00

E	Overhead & Profit	10% x D	Rp.	23.506,00
F	**Harga Satuan Pekerjaan (D + E)**		**Rp.**	**258.566,00**
G	**Dibulatkan**		**Rp.**	**258.567,00**

Analisa : AHSP 2.2.1.3.3
Item : Bekisting Sloof menggunakan batako 30x15x10
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O- H	0,224	Rp. 150.000,00	Rp. 33.600,00
	Tukang Batu	O - H	0,056	Rp. 150.000,00	Rp. 8.400,00
	Kepala Tukang	O- H	0,006	Rp. 170.000,00	Rp. 1.020,00
	Mandor	O - H	0,011	Rp. 180.000,00	Rp. 1.980,00
			Jumlah Tenaga Kerja (A)		**Rp. 45.000,00**
B	**BAHAN**				
	Batako 30x15x10	Buah	22,222	Rp. 1.600,00	Rp. 35.555,56
	PC / Portland cement (indocement)	Kg	5,000	Rp. 1.470,00	Rp. 7.350,00
	PB Pasir beton	Kg	24,000	Rp. 555,56	Rp. 13.333,44
	Air	Liter	2,500	Rp. 68,00	Rp. 170,00
			Jumlah Harga Bahan (B)		**Rp. 56.409,00**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 101.409,00
E	Overhead & Profit	10% x D			Rp. 10.140,90
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 111.549,90**
G	**Dibulatkan**				**Rp. 111.550,00**

Analisa : AHSP PU 2016 4.1.1.17.a.
Item : Pembesian 10 kg dengan besi polos atau ulir
Satuan : kg

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,070	Rp. 150.000,00	Rp. 10.500,00
	Tukang	O - H	0,070	Rp. 150.000,00	Rp. 10.500,00
	Kepala Tukang	O - H	0,007	Rp. 170.000,00	Rp. 1.190,00
	Mandor	O - H	0,004	Rp. 180.000,00	Rp. 720,00
			Jumlah Tenaga Kerja (A)		**Rp. 22.910,00**
B	**BAHAN**				
	Besi Beton ulir	kg	10,500	Rp. 10.050,00	Rp. 105.525,00
	Kawat beton	kg	0,150	Rp. 18.000,00	Rp. 2.700,00
			Jumlah Harga Bahan (B)		**Rp. 108.225,00**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 131.135,00
E	Overhead & Profit	10% x D			Rp. 13.113,50
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 144.248,50**
G	**Dibulatkan**				**Rp. 144.249,00**

Analisa : AHSP PU 2016 A.4.1.1.7
Item : Pengecoran 1m3 Ready Mix dan Pompa beton mutu F'c = 30 Mpa
Satuan : m3

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				

	Pekerja	O - H	1,000	Rp.	150.000,00	Rp.	150.000,00
	Tukang Batu	O - H	0,250	Rp.	150.000,00	Rp.	37.500,00
	Kepala Tukang	O - H	0,025	Rp.	170.000,00	Rp.	4.250,00
	Mandor	O - H	0,100	Rp.	180.000,00	Rp.	18.000,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**209.750,00**
B	**BAHAN**						
	Campuran Beton Ready Mix	m3	1,020	Rp.	950.000,00	Rp.	969.000,00
			Jumlah Harga Bahan (B)			**Rp.**	**969.000,00**
C	**PERALATAN**						
	Pompa dan conyeor beton	Sewa-Hari	0,120	Rp.	200.000,00	Rp.	24.000,00
			Jumlah Harga Alat (C)			**Rp.**	**24.000,00**
D	Jumlah (A + B + C)					Rp.	1.202.750,00
E	Overhead & Profit		10% x D			Rp.	120.275,00
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**1.323.025,00**
G	**Dibulatkan**					**Rp.**	**1.323.025,00**

PEKERJAAN PASANG TIANG PANCANG

Analisa : SNI 03-2836-2002 pekerjaan pondasi penetapan indeks 6.C.1
Item : 1m' Pemasangan Tiang Pancang 35x35cm, Beton Bertulang
Satuan : m'

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	0,062	Rp.	150.000,00	Rp.	9.360,00
	Tukang	O - H	0,009	Rp.	150.000,00	Rp.	1.305,00
	Mandor	O - H	0,004	Rp.	170.000,00	Rp.	731,00
	Operator	O - H	0,009	Rp.	250.000,00	Rp.	2.175,00
	Helper	O - H	0,009	Rp.	150.000,00	Rp.	1.305,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**14.876,00**
B	**BAHAN**						
	Tiang pancang beton 35cmx35cm	m	1,000	Rp.	550.000,00	Rp.	550.000,00
			Jumlah Harga Bahan (B)			**Rp.**	**550.000,00**
C	**PERALATAN**						
	Crane 5-10 ton	Sewa/jam	0,073	Rp	115.000,00	Rp	8.383,5000
	Alat Pancang	Sewa/jam	0,073	Rp	181.900,00	Rp	13.260,5100
	Alat penyambung tiang pancang	Sewa/jam	0,250	Rp	35.000,00	Rp	8.750,0000
			Jumlah Harga Alat (C)			**Rp.**	**8.750,00**
D	Jumlah (A + B + C)					Rp.	584.448,01
E	Overhead & Profit		10% x D			Rp.	58.444,80
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**642.892,81**
G	**Dibulatkan**					**Rp.**	**642.893,00**

PEKERJAAN BETON PILECAP

Sumber : Trek.id
Item : Cutting Head Pilecap
Satuan : Nos

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	0,100	Rp.	150.000,00	Rp.	15.000,00
	Mandor	O - H	0,050	Rp.	180.000,00	Rp.	9.000,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**24.000,00**
B	**BAHAN**						
			Jumlah Harga Bahan (B)			**Rp**	**-**
C	**PERALATAN**						
	Breaker Excavator	Sewa/jam	1,000	Rp	340.000,00	Rp	340.000,0000
			Jumlah Harga Alat (C)			**Rp.**	**340.000,00**
D	Jumlah (A + B + C)					Rp.	364.000,00
E	Overhead & Profit		10% x D			Rp.	36.400,00

F	**Harga Satuan Pekerjaan (D + E)**	**Rp.**	**400.400,00**
G	**Dibulatkan**	**Rp.**	**400.400,00**

Analisa : AHSP PU 2022 1.7.2.e.1
Item : Persiapann dan Pemadatan Slab On Ground
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
		O - H	0,250	Rp. 150.000,00	Rp. 37.500,00
	Mandor	O - H	0,025	Rp. 180.000,00	Rp. 4.500,00
				Jumlah Tenaga Kerja (A)	**Rp. 42.000,00**
B	**BAHAN**				
				Jumlah Harga Bahan (B)	**Rp -**
C	**PERALATAN**				
	Motor grade GD 40 HT-2	Jam	0,004	Rp 591.000,00	Rp 2.364,0000
	Tandem roller	Jam	0,001	Rp 360.000,00	Rp 360,0000
				Jumlah Harga Alat (C)	**Rp. 2.724,00**
D	Jumlah (A + B + C)				Rp. 44.724,00
E	Overhead & Profit		10% x D		Rp. 4.472,40
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 49.196,40**
G	**Dibulatkan**				**Rp. 49.197,00**

Analisa : AHSP PU A.4.1.1.2
Item : Lean Concrete Below Pilecap Mutu Beton f'c=9,8 Mpa (K125)
Satuan : m3

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	1,000	Rp. 150.000,00	Rp. 150.000,00
	Tukang	O - H	0,250	Rp. 150.000,00	Rp. 37.500,00
	Kepala Tukang	O - H	0,025	Rp. 170.000,00	Rp. 4.250,00
	Mandor	O - H	0,083	Rp. 180.000,00	Rp. 14.940,00
				Jumlah Tenaga Kerja (A)	**Rp. 206.690,00**
B	**BAHAN**				
	Campuran Beton Ready Mix	m3	1,000	Rp. 770.000,00	Rp. 770.000,00
				Jumlah Harga Bahan (B)	**Rp. 770.000,00**
C	**PERALATAN**				
				Jumlah Harga Alat (C)	**Rp -**
D	Jumlah (A + B + C)				Rp. 976.690,00
E	Overhead & Profit		10% x D		Rp. 97.669,00
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 1.074.359,00**
G	**Dibulatkan**				**Rp. 1.074.359,00**

Analisa : AHSP PU 2016 4.1.1.17.a.
Item : Pembesian 10 kg dengan besi polos atau ulir
Satuan : kg

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,070	Rp. 150.000,00	Rp. 10.500,00
	Tukang	O - H	0,070	Rp. 150.000,00	Rp. 10.500,00
	Kepala Tukang	O - H	0,007	Rp. 170.000,00	Rp. 1.190,00
	Mandor	O - H	0,004	Rp. 180.000,00	Rp. 720,00
				Jumlah Tenaga Kerja (A)	**Rp. 22.910,00**
B	**BAHAN**				

	Besi Beton ulir	kg	10,500	Rp.	10.050,00	Rp.	105.525,00
	Kawat beton	kg	0,150	Rp.	20.000,00	Rp.	3.000,00
			Jumlah Harga Bahan (B)			**Rp.**	**108.525,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	131.435,00
E	Overhead & Profit		10% x D			Rp.	13.143,50
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**144.578,50**
G	**Dibulatkan**					**Rp.**	**144.579,00**

Analisa : AHSP PU 2022 A 4.1.1.18
Item : Pemasangan Bekisting Untuk Pondasi Pilecap
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	0,520	Rp.	150.000,00	Rp.	78.000,00
	Tukang	O - H	0,260	Rp.	150.000,00	Rp.	39.000,00
	Kepala Tukang	O - H	0,026	Rp.	170.000,00	Rp.	4.420,00
	Mandor	O - H	0,026	Rp.	180.000,00	Rp.	4.680,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**126.100,00**
B	**BAHAN**						
	Kayu Kelas III	m3	0,045	Rp.	2.266.666,67	Rp.	102.000,00
	Paku 5-10 cm	kg	0,300	Rp.	20.500,00	Rp.	6.150,00
	Minyak Bekisting	Liter	0,100	Rp.	8.100,00	Rp.	810,00
			Jumlah Harga Bahan (B)			**Rp.**	**108.960,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah Total (A+(B/4)) Bekisting 4x pakai					Rp.	153.340,00
E	Overhead & Profit		10% x D			Rp.	15.334,00
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**168.674,00**
G	**Dibulatkan**					**Rp.**	**168.675,00**

PEKERJAAN BETON SLAB GROUND FLOOR

Analisa : PERMEN PU No.1 2022 AHSP CIPTA KARYA
Item : Pemasangan 1m2 bondek
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	0,080	Rp.	150.000,00	Rp.	12.000,00
	Tukang	O - H	0,040	Rp.	150.000,00	Rp.	6.000,00
	Kepala Tukang	O - H	0,004	Rp.	170.000,00	Rp.	680,00
	Mandor	O - H	0,008	Rp.	180.000,00	Rp.	1.440,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**20.120,00**
B	**BAHAN**						
	Metal Deck	m2	1,000	Rp.	145.000,00	Rp.	145.000,00
	Paku 7-12 cm	kg	0,280	Rp.	20.000,00	Rp.	5.600,00
	End Stop	m3	0,500	Rp.	50.000,00	Rp.	25.000,00
			Jumlah Harga Bahan (B)			**Rp.**	**175.600,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	195.720,00
E	Overhead & Profit		10% x D			Rp.	19.572,00
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**215.292,00**
G	**Dibulatkan**					**Rp.**	**215.292,00**

Analisa : PERMEN PU No.1 2022 AHSP CIPTA KARYA
Item : Pemasangan 1m2 Bekisting Kayu Slab Mezzanine
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,080	Rp. 150.000,00	Rp. 12.000,00
	Tukang	O - H	0,040	Rp. 150.000,00	Rp. 6.000,00
	Kepala Tukang	O - H	0,004	Rp. 170.000,00	Rp. 680,00
	Mandor	O - H	0,008	Rp. 180.000,00	Rp. 1.440,00
			Jumlah Tenaga Kerja (A)		**Rp. 20.120,00**
B	**BAHAN**				
	Paku 7-12 cm	kg	0,280	Rp. 20.000,00	Rp. 5.600,00
	Kayu Kelas III	m3	0,045	Rp. 2.266.667,00	Rp. 102.000,02
	Minyak Bekisting	Liter	0,100	Rp. 8.100,00	Rp. 810,00
			Jumlah Harga Bahan (B)		**Rp. 108.410,02**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 128.530,02
E	Overhead & Profit		10% x D		Rp. 12.853,00
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 141.383,02**
G	**Dibulatkan**				**Rp. 141.384,00**

Analisa : AHSP
Item : Pemasangan Plastic Sheet Sebagai Lantai Kerja
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,400	Rp. 150.000,00	Rp. 60.000,00
	Mandor	O - H	0,040	Rp. 180.000,00	Rp. 7.200,00
			Jumlah Tenaga Kerja (A)		**Rp. 67.200,00**
B	**BAHAN**				
	Lakban	buah	0,087	Rp. 3.500,00	Rp. 304,35
	Plastik Cor	m2	1,000	Rp. 4.000,00	Rp. 4.000,00
	Air	Liter	0,000	Rp. 340.000,00	Rp. 68,00
	Cairan Termite (Option 350 SC 100 ml Termis	Liter	0,030	Rp. 56.500,00	Rp. 1.695,00
			Jumlah Harga Bahan (B)		**Rp. 6.067,35**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 73.267,35
E	Overhead & Profit		10% x D		Rp. 7.326,73
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 80.594,08**
G	**Dibulatkan**				**Rp. 80.595,00**

Analisa : AHSP PU 2022 A 4.1.1.18
Item : Pemasangan Bekisting Untuk Slab On Ground
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,520	Rp. 150.000,00	Rp. 78.000,00
	Tukang	O - H	0,260	Rp. 150.000,00	Rp. 39.000,00
	Kepala Tukang	O - H	0,026	Rp. 170.000,00	Rp. 4.420,00
	Mandor	O - H	0,026	Rp. 180.000,00	Rp. 4.680,00
			Jumlah Tenaga Kerja (A)		**Rp. 126.100,00**

B	**BAHAN**						
	Kayu Kelas III	m3	0,045	Rp.	2.266.666,67	Rp.	102.000,00
	Paku 5-10 cm	kg	0,300	Rp.	20.500,00	Rp.	6.150,00
	Minyak Bekisting	Liter	0,100	Rp.	8.100,00	Rp.	810,00
			Jumlah Harga Bahan (B)			**Rp.**	**108.960,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah Total (A+(B/4)) Bekisting 4x pakai					Rp.	153.340,00
E	Overhead & Profit		10% x D			Rp.	15.334,00
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**168.674,00**
G	**Dibulatkan**					**Rp.**	**168.675,00**

Analisa : AHSP PU 2016 4.1.1.21
Item : Trowel slab
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	0,080	Rp.	150.000,00	Rp.	12.000,00
	Mandor	O - H	0,004	Rp.	180.000,00	Rp.	720,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**12.720,00**
B	**BAHAN**						
			Jumlah Harga Bahan (B)			**Rp**	**-**
C	**PERALATAN**						
	Trowel Beton	m2	1,000	Rp.	19.000,00	Rp.	19.000,00
			Jumlah Harga Alat (C)			**Rp.**	**19.000,00**
D	Jumlah (A + B + C)					Rp.	31.720,00
E	Overhead & Profit		10% x D			Rp.	3.172,00
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**34.892,00**
G	**Dibulatkan**					**Rp.**	**34.892,00**

PEKERJAAN BETON 1 SET

Analisa : AHSP PU 2016 A.4.1.1.35
Item : Pembuatan Kolom Praktis Beton Bertulang (10x10)
Satuan : m'

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	0,180	Rp	150.000,00	Rp	27.000,000
	Tukang Batu	O - H	0,020	Rp	150.000,00	Rp	3.000,000
	Tukang Kayu	O - H	0,020	Rp	150.000,00	Rp	3.000,000
	Tukang Besi	O - H	0,020	Rp	150.000,00	Rp	3.000,000
	Kepala Tukang	O - H	0,006	Rp	170.000,00	Rp	1.020,000
	Mandor	O - H	0,009	Rp	180.000,00	Rp	1.620,000
			Jumlah Tenaga Kerja (A)			**Rp.**	**38.640,00**
B	**BAHAN**						
	Kayu Bekisting (Kayu Tahun)	m³	0,002	Rp	2.700.000,00	Rp	5.400,000
	Paku Kayu 2" - 3"	Kg	0,010	Rp	22.000,00	Rp	220,000
	Minyak Bekisting	ltr	0,200	Rp	4.350,00	Rp	870,000
	Besi Beton	Kg	3,000	Rp	10.000,00	Rp	30.000,000
	Kawat Ikat Beton (Bendrat)	Kg	0,450	Rp	18.000,00	Rp	8.100,000
	Semen Portland	Kg	4,000	Rp	1.400,00	Rp	5.600,000
	Pasir Beton	m3	0,006	Rp	160.762,00	Rp	964,572
	Koral	m3	0,009	Rp	230.000,00	Rp	2.070,000
			Jumlah Harga Bahan (B)			**Rp.**	**53.224,57**
C	**PERALATAN**						
	Molen Kapasitas 0,3 m3	Hari	0,076	Rp	2.500.000,00	Rp	190.000,00
	Cangkul	Buah	0,076	Rp	45.000,00	Rp	3.420,00

			Jumlah Harga Alat (C)	**Rp.**	**193.420,00**
D	Jumlah (A + B + C)			Rp.	285.284,57
E	Overhead & Profit		10% x D	Rp.	28.528,46
F	**Harga Satuan Pekerjaan (D + E)**			**Rp.**	**313.813,03**
G	**Dibulatkan**			**Rp.**	**313.814,00**

Analisa : AHSP PU 2016 A.4.1.1.36
Item : Pembuatan Ring Balok Beton Bertulang (10x15)
Satuan : m'

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,297	Rp 150.000,00	Rp 44.550,000
	Tukang Batu	O - H	0,033	Rp 150.000,00	Rp 4.950,000
	Tukang Kayu	O - H	0,033	Rp 150.000,00	Rp 4.950,000
	Tukang Besi	O - H	0,033	Rp 150.000,00	Rp 4.950,000
	Kepala Tukang	O - H	0,010	Rp 170.000,00	Rp 1.700,000
	Mandor	O - H	0,015	Rp 180.000,00	Rp 2.700,000
			Jumlah Tenaga Kerja (A)		**Rp. 63.800,00**
B	**BAHAN**				
	Kayu Meranti Papan (Mutu Kayu Klas III) 3/2	m3	0,003	Rp 5.000.000,00	Rp 15.000,000
	Paku Kayu 2" - 3"	kg	0,020	Rp 22.000,00	Rp 440,000
	Minyak Bekisting	Liter	0,200	Rp 4.350,00	Rp 870,000
	Besi Beton	kg	3,600	Rp 10.000,00	Rp 36.000,000
	Kawat Ikat Beton (Bendrat)	kg	0,050	Rp 18.000,00	Rp 900,000
	Semen Portland	kg	5,500	Rp 1.400,00	Rp 7.700,000
	Pasir Beton	m3	0,009	Rp 160.762,00	Rp 1.446,858
	Koral	m3	0,015	Rp 230.000,00	Rp 3.450,000
			Jumlah Harga Bahan (B)		**Rp. 65.806,86**
C	**PERALATAN**				
	Molen Kapasitas 0,3 m3	Hari	0,076	Rp 2.500.000,00	Rp 190.000,00
	Cangkul	Bh	0,076	Rp 45.000,00	Rp 3.420,00
			Jumlah Harga Alat (C)		**Rp. 193.420,00**
D	Jumlah (A + B + C)				Rp. 323.026,86
E	Overhead & Profit		10% x D		Rp. 32.302,69
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 355.329,54**
G	**Dibulatkan**				**Rp. 355.330,00**

PEKERJAAN BAJA

Analisa : 2.3.1 Struktur Atas dan (SNI 7393:2008)
Item : 2.3.1.1. Pabrikasi dan Ereksi Baja Profil
Satuan : kg

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O- H	0,038	Rp. 150.000,00	Rp. 5.625,00
	Tukang Las	O - H	0,013	Rp. 150.000,00	Rp. 1.875,00
	Operator Alat Berat	O- H	0,013	Rp. 250.000,00	Rp. 3.125,00
	Tukang Ereksi Baja	O - H	0,013	Rp. 200.000,00	Rp. 2.500,00
	Kepala Tukang	O- H	0,003	Rp. 170.000,00	Rp. 425,00
	Mandor	O - H	0,001	Rp. 180.000,00	Rp. 144,00
			Jumlah Tenaga Kerja (A)		**Rp. 13.694,00**
B	**BAHAN**				
	Solar	Liter	0,300	Rp. 6.800,00	Rp. 2.040,00
	Minyak Pelumas (PERTAMINA MEDITRAN S10	Liter	0,300	Rp. 24.157,89	Rp. 7.247,37
	Kawat Las Listrik (2,6 mm)	Kg	0,053	Rp. 40.000,00	Rp. 2.120,00
	Baja Profil	Kg	1,150	Rp. 30.000,00	Rp. 34.500,00
			Jumlah Harga Bahan (B)		**Rp. 45.907,37**
C	**PERALATAN**				
	Sewa Alat Travo Las	Jam	0,033	Rp 40.000,00	Rp 1.320,00

	Mobil Crane Kapasitas 20 Ton	Jam	0,001	Rp	291.666,67	Rp	379,17
				Jumlah Harga Alat (C)		**Rp.**	**1.699,17**
D	Jumlah (A + B + C)					Rp.	61.300,54
E	Overhead & Profit		10% x D			Rp.	6.130,05
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**67.430,59**
G	**Dibulatkan**					**Rp.**	**67.431,00**

Analisa : AHSP 3.1.3.7
Item : Pemasangan 1 m2 Atap Metal Lembaran
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,133	Rp. 150.000,00	Rp. 19.995,00
	Tukang	O - H	0,067	Rp. 150.000,00	Rp. 10.005,00
	Kepala Tukang	O - H	0,007	Rp. 170.000,00	Rp. 1.139,00
	Mandor	O - H	0,002	Rp. 180.000,00	Rp. 396,00
			Jumlah Tenaga Kerja (A)		**Rp. 31.535,00**
B	**BAHAN**				
	Atap Metal	m2	1,625	Rp. 97.621,00	Rp. 158.634,13
	Paku Roofing	Kg	0,050	Rp. 163.875,00	Rp. 8.193,75
			Jumlah Harga Bahan (B)		**Rp. 166.827,88**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 198.362,88
E	Overhead & Profit		10% x D		Rp. 19.836,29
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 218.199,16**
G	**Dibulatkan**				**Rp. 218.200,00**

Analisa : AHSP A.4.2.1.19
Item : Pemasangan1m' talang U
Satuan : m'

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,150	Rp. 150.000,00	Rp. 22.500,00
	Tukang	O - H	0,300	Rp. 150.000,00	Rp. 45.000,00
	Kepala Tukang	O - H	0,030	Rp. 170.000,00	Rp. 5.100,00
	Mandor	O - H	0,008	Rp. 180.000,00	Rp. 1.440,00
			Jumlah Tenaga Kerja (A)		**Rp. 74.040,00**
B	**BAHAN**				
	Talang U	m'	1,050	Rp. 18.688,00	Rp. 19.622,40
	Besi strip/Bracket	kg	0,500	Rp. 7.500,00	Rp. 3.750,00
			Jumlah Harga Bahan (B)		**Rp. 23.372,40**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 97.412,40
E	Overhead & Profit		10% x D		Rp. 9.741,24
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 107.153,64**
G	**Dibulatkan**				**Rp. 107.154,00**

Analisa : HPSK Pemerintah Kota Malang
Item : Pemasangan Ikatan Angin
Satuan : kg

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				

	Pekerja	O - H	0,133	Rp.	150.000,00	Rp.	19.995,00
	Tukang	O - H	0,067	Rp.	150.000,00	Rp.	10.005,00
	Kepala Tukang	O - H	0,007	Rp.	170.000,00	Rp.	1.139,00
	Mandor	O - H	0,002	Rp.	180.000,00	Rp.	396,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**31.535,00**
B	**BAHAN**						
	Ikatan angin atau trekstang	kg	1,000	Rp.	23.149,56	Rp.	23.149,56
			Jumlah Harga Bahan (B)			**Rp.**	**23.149,56**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	54.684,56
E	Overhead & Profit		10% x D			Rp.	5.468,46
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**60.153,02**
G	**Dibulatkan**					**Rp.**	**60.154,00**

Analisa : AHSP E1025
Item : Pemasangan angkur
Satuan : ttk

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O- H	0,750	Rp.	150.000,00	Rp.	112.500,00
	Tukang	O - H	0,250	Rp.	150.000,00	Rp.	37.500,00
	Kepala Tukang	O- H	0,050	Rp.	170.000,00	Rp.	8.500,00
	Mandor	O - H	0,017	Rp.	180.000,00	Rp.	3.006,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**161.506,00**
B	**BAHAN**						
	Baut dia > 20 mm panjang 25 cm	bh	2,000	Rp.	30.000,00	Rp.	60.000,00
	Las	ls	1,000	Rp.	100.000,00	Rp.	100.000,00
	Meni Besi	m2	0,050	Rp.	100.000,00	Rp.	5.000,00
	Plat Tebal 19 mm 20 x 20	Kg	3,000	Rp.	10.000,00	Rp.	30.000,00
			Jumlah Harga Bahan (B)			**Rp.**	**195.000,00**
C	**PERALATAN**						
	Sewa Alat Travo Las	Jam	0,033	Rp.	50.000,00	Rp.	1.650,00
			Jumlah Harga Alat (C)			**Rp.**	**1.650,00**
D	Jumlah (A + B + C)					Rp.	358.156,00
E	Overhead & Profit		10% x D			Rp.	35.815,60
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**393.971,60**
G	**Dibulatkan**					**Rp.**	**393.972,00**

PEKERJAAN PASANGAN

Analisa : AHSP PU 2022 A 4.4.1.25.
Item : Pemasangan 1m2 Dinding Bata Hebel
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	0,300	Rp.	150.000,00	Rp.	45.000,00
	Tukang Batu	O - H	0,100	Rp.	150.000,00	Rp.	15.000,00
	Kepala Tukang	O - H	0,010	Rp.	170.000,00	Rp.	1.700,00
	Mandor	O - H	0,015	Rp.	180.000,00	Rp.	2.700,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**64.400,00**
B	**BAHAN**						
	Bata Ringan Tebal 7,5 Cm	Bh	8,750	Rp.	4.730,00	Rp.	41.387,50
	Prime Mortar 380	kg	2,500	Rp.	1.663,00	Rp.	4.157,50
			Jumlah Harga Bahan (B)			**Rp.**	**45.545,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**

D	Jumlah (A + B + C)	Rp.	109.945,00
E	Overhead & Profit 10% x D	Rp.	10.994,50
F	**Harga Satuan Pekerjaan (D + E)**	**Rp.**	**120.939,50**
G	**Dibulatkan**	**Rp.**	**120.940,00**

Analisa : AHSP PU 2022 3.2.1
Item : Pemasangan 1m² plesteran 1SP:3PP tebal 15mm
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,100	Rp. 150.000,00	Rp. 15.000,00
	Tukang	O - H	0,100	Rp. 150.000,00	Rp. 15.000,00
	Kepala Tukang	O - H	0,010	Rp. 170.000,00	Rp. 1.700,00
	Mandor	O - H	0,010	Rp. 180.000,00	Rp. 1.800,00
			Jumlah Tenaga Kerja (A)		**Rp. 33.500,00**
B	**BAHAN**				
	Semen Portland	Kg	7,776	Rp. 1.400,00	Rp. 10.886,40
	Pasir Pasang	m³	0,023	Rp. 175.000,00	Rp. 4.025,00
			Jumlah Harga Bahan (B)		**Rp. 14.911,40**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 48.411,40
E	Overhead & Profit 10% x D				Rp. 4.841,14
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 53.252,54**
G	**Dibulatkan**				**Rp. 53.253,00**

Analisa : AHSP PU 4.4.4.2.427
Item : Pemasangan 1m2 Acian Dinding
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,200	Rp. 150.000,00	Rp. 30.000,00
	Tukang Batu	O - H	0,100	Rp. 150.000,00	Rp. 15.000,00
	Kepala Tukang	O - H	0,010	Rp. 170.000,00	Rp. 1.700,00
	Mandor	O - H	0,010	Rp. 180.000,00	Rp. 1.800,00
			Jumlah Tenaga Kerja (A)		**Rp. 48.500,00**
B	**BAHAN**				
	Plamur big lion	kg	3,250	Rp. 17.986,92	Rp. 58.457,49
			Jumlah Harga Bahan (B)		**Rp. 58.457,49**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 106.957,49
E	Overhead & Profit 10% x D				Rp. 10.695,75
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 117.653,24**
G	**Dibulatkan**				**Rp. 117.654,00**

Analisa : AHSP PU 2022 A.4.4.3.36
Item : Pekerjaan Pemasangan Lantai Keramik, Uk. 25x25cm
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,700	Rp. 150.000,00	Rp. 105.000,00
	Tukang	O - H	0,350	Rp. 150.000,00	Rp. 52.500,00
	Kepala Tukang	O - H	0,035	Rp. 170.000,00	Rp. 5.950,00

	Mandor	O - H	0,035	Rp.	180.000,00	Rp.	6.300,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**169.750,00**
B	**BAHAN**						
	Keramik Tekstur Kasar uk, 25 x 25	m²	1,050	Rp.	67.000,00	Rp.	70.350,00
	Semen Portland	Kg	10,000	Rp.	1.400,00	Rp.	14.000,00
	Pasir Pasang	m³	0,045	Rp.	175.000,00	Rp.	7.875,00
	PC Super Nut / Semen Warna	Kg	0,500	Rp.	6.000,00	Rp.	3.000,00
			Jumlah Harga Bahan (B)			**Rp.**	**95.225,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	264.975,00
E	Overhead & Profit		10% x D			Rp.	26.497,50
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**291.472,50**
G	**Dibulatkan**					**Rp.**	**291.473,00**

Analisa : AHSP PU 2022 A.4.4.3.53.a
Item : Pekerjaan Pemasangan keramik dinding , Uk. 25x40cm
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	0,900	Rp.	150.000,00	Rp.	135.000,00
	Tukang	O - H	0,450	Rp.	150.000,00	Rp.	67.500,00
	Kepala Tukang	O - H	0,045	Rp.	170.000,00	Rp.	7.650,00
	Mandor	O - H	0,045	Rp.	180.000,00	Rp.	8.100,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**218.250,00**
B	**BAHAN**						
	Keramik dinding 25x40 motif	m²	1,050	Rp.	62.000,00	Rp.	65.100,00
	Semen Portland	Kg	9,300	Rp.	1.400,00	Rp.	13.020,00
	Pasir Pasang	m³	0,018	Rp.	175.000,00	Rp.	3.150,00
	PC Super Nut / Semen Warna	Kg	1,940	Rp.	6.000,00	Rp.	11.640,00
			Jumlah Harga Bahan (B)			**Rp.**	**92.910,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	311.160,00
E	Overhead & Profit		10% x D			Rp.	31.116,00
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**342.276,00**
G	**Dibulatkan**					**Rp.**	**342.276,00**

Analisa : AHSP PU 2022 A.4.4.3.36
Item : Pemasangan Keramik Lantai Dapur 25X25
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	0,700	Rp.	150.000,00	Rp.	105.000,00
	Tukang	O - H	0,350	Rp.	150.000,00	Rp.	52.500,00
	Kepala Tukang	O - H	0,035	Rp.	170.000,00	Rp.	5.950,00
	Mandor	O - H	0,035	Rp.	180.000,00	Rp.	6.300,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**169.750,00**
B	**BAHAN**						
	Keramik Tekstur Kasar uk, 25 x 25	m²	1,050	Rp.	67.000,00	Rp.	70.350,00
	Semen Portland	Kg	10,000	Rp.	1.400,00	Rp.	14.000,00
	Pasir Pasang	m³	0,045	Rp.	175.000,00	Rp.	7.875,00
	PC Super Nut / Semen Warna	Kg	0,500	Rp.	6.000,00	Rp.	3.000,00
			Jumlah Harga Bahan (B)			**Rp.**	**95.225,00**
C	**PERALATAN**						

			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	264.975,00
E	Overhead & Profit		10% x D			Rp.	26.497,50
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**291.472,50**
G	**Dibulatkan**					**Rp.**	**291.473,00**

Analisa : AHSP PU 2022 A.4.4.3.53.a
Item : Pemasangan Keramik Dinding Dapur 25X40
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	0,900	Rp.	150.000,00	Rp.	135.000,00
	Tukang	O - H	0,450	Rp.	150.000,00	Rp.	67.500,00
	Kepala Tukang	O - H	0,045	Rp.	170.000,00	Rp.	7.650,00
	Mandor	O - H	0,045	Rp.	180.000,00	Rp.	8.100,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**218.250,00**
B	**BAHAN**						
	Keramik dinding 25x40 motif	m^2	1,050	Rp.	62.000,00	Rp.	65.100,00
	Semen Portland	Kg	9,300	Rp.	1.400,00	Rp.	13.020,00
	Pasir Pasang	m^3	0,018	Rp.	175.000,00	Rp.	3.150,00
	PC Super Nut / Semen Warna	Kg	1,940	Rp.	6.000,00	Rp.	11.640,00
			Jumlah Harga Bahan (B)			**Rp.**	**92.910,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	311.160,00
E	Overhead & Profit		10% x D			Rp.	31.116,00
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**342.276,00**
G	**Dibulatkan**					**Rp.**	**342.276,00**

PEKERJAAN AKSESORIS ATAP

Analisa : SNI 03-3436-2002 6.42
Item : Pemasangan 1m2 Alumunium Foil & insulations
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	0,150	Rp.	150.000,00	Rp.	22.500,00
	Tukang	O - H	0,050	Rp.	150.000,00	Rp.	7.500,00
	Kepala Tukang	O - H	0,005	Rp.	170.000,00	Rp.	850,00
	Mandor	O - H	0,008	Rp.	180.000,00	Rp.	1.440,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**32.290,00**
B	**BAHAN**						
	Alumunium foil	m2	1,050	Rp.	12.700,00	Rp.	13.335,00
	Rock Wool tebal 25mm	m2	1,050	Rp.	65.972,00	Rp.	69.270,60
	Kawat Ram	m2	1,050	Rp.	19.125,00	Rp.	20.081,25
	Paku Sekrup	Box	0,029	Rp.	81.400,00	Rp.	2.360,60
			Jumlah Harga Bahan (B)			**Rp.**	**105.047,45**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	137.337,45
E	Overhead & Profit		10% x D			Rp.	13.733,75
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**151.071,20**
G	**Dibulatkan**					**Rp.**	**151.072,00**

Analisa : AHSP PU 2022 3.1.3.14
Item : Pemasangan 1 m' Nok/Bubung Genteng Metal
Satuan : m'

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,250	Rp. 150.000,00	Rp. 37.500,00
	Tukang Kayu	O - H	0,150	Rp. 150.000,00	Rp. 22.500,00
	Kepala Tukang	O - H	0,015	Rp. 170.000,00	Rp. 2.550,00
	Mandor	O - H	0,005	Rp. 180.000,00	Rp. 900,00
			Jumlah Tenaga Kerja (A)		**Rp. 63.450,00**
B	**BAHAN**				
	Nok Genteng Metal Panjang 100cm	Buah	1,100	Rp. 21.666,67	Rp. 23.833,33
	Paku Sekrup	Kg	0,050	Rp. 163.875,00	Rp. 8.193,75
			Jumlah Harga Bahan (B)		**Rp. 32.027,08**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 95.477,08
E	Overhead & Profit		10% x D		Rp. 9.547,71
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 105.024,79**
G	**Dibulatkan**				**Rp. 105.025,00**

Analisa : AHSP PU 3.2.3
Item : Pemasangan 1 m2 Glasswool Atap peredam suara
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,100	Rp. 150.000,00	Rp. 15.000,00
	Tukang	O - H	0,050	Rp. 150.000,00	Rp. 7.500,00
	Kepala Tukang	O - H	0,005	Rp. 170.000,00	Rp. 850,00
	Mandor	O - H	0,002	Rp. 180.000,00	Rp. 306,00
			Jumlah Tenaga Kerja (A)		**Rp. 23.656,00**
B	**BAHAN**				
	Material Glasswool Foam	m2	1,100	Rp. 11.388,39	Rp. 12.527,23
			Jumlah Harga Bahan (B)		**Rp. 12.527,23**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 36.183,23
E	Overhead & Profit		10% x D		Rp. 3.618,32
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 39.801,55**
G	**Dibulatkan**				**Rp. 39.802,00**

PEKERJAAN PINTU JENDELA

Analisa : AHSP PU 3.11.1.16
Item : Pemasangan Pintu Besi Anti Api
Satuan : Buah

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	1,575	Rp. 150.000,00	Rp. 236.250,00
	Tukang Besi	O - H	1,575	Rp. 150.000,00	Rp. 236.250,00
	Kepala Tukang	O - H	0,158	Rp. 170.000,00	Rp. 26.775,00
	Mandor	O - H	0,053	Rp. 180.000,00	Rp. 9.450,00
			Jumlah Tenaga Kerja (A)		**Rp. 508.725,00**
B	**BAHAN**				
	Pintu Besi Tahan Api	Bh	1,000	Rp. 4.200.000,00	Rp. 4.200.000,00
			Jumlah Harga Bahan (B)		**Rp. 4.200.000,00**
C	**PERALATAN**				

			Jumlah Harga Alat (C)	**Rp**	**-**
D	Jumlah (A + B + C)			Rp.	4.708.725,00
E	Overhead & Profit		10% x D	Rp.	470.872,50
F	**Harga Satuan Pekerjaan (D + E)**			**Rp.**	**5.179.597,50**
G	**Dibulatkan**			**Rp.**	**5.179.598,00**

Analisa : AHSP PU 3.11.3.1
Item : Pekerjaan Pemasangan 1 m' Kusen Pintu Aluminium
Satuan : m'

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,043	Rp. 150.000,00	Rp. 6.450,00
	Tukang	O - H	0,043	Rp. 150.000,00	Rp. 6.450,00
	Kepala Tukang	O - H	0,004	Rp. 170.000,00	Rp. 680,00
	Mandor	O - H	0,001	Rp. 180.000,00	Rp. 180,00
				Jumlah Tenaga Kerja (A)	**Rp. 13.760,00**
B	**BAHAN**				
	Profil Alumunium 4 inch	m'	1,100	Rp. 123.000,00	Rp. 135.300,00
	Sekrup Fixer	Kg	2,000	Rp. 16.668,00	Rp. 33.336,00
	Sealant	Kg	0,060	Rp. 100.000,00	Rp. 6.000,00
				Jumlah Harga Bahan (B)	**Rp. 174.636,00**
C	**PERALATAN**				
				Jumlah Harga Alat (C)	**Rp -**
D	Jumlah (A + B + C)				Rp. 188.396,00
E	Overhead & Profit		10% x D		Rp. 18.839,60
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 207.235,60**
G	**Dibulatkan**				**Rp. 207.236,00**

Analisa : AHSP 5e. Analisa Pintu & Jendela
Item : Pekerjaan Pemasangan 1 m' Kusen Jendela Alumunium
Satuan : m'

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,200	Rp. 150.000,00	Rp. 30.000,00
	Tukang	O - H	0,100	Rp. 150.000,00	Rp. 15.000,00
	Mandor	O - H	0,033	Rp. 180.000,00	Rp. 5.850,00
				Jumlah Tenaga Kerja (A)	**Rp. 50.850,00**
B	**BAHAN**				
	Kusen Alumunium	m'	0,775	Rp. 130.000,00	Rp. 100.750,00
	Sealent	tube	0,250	Rp. 35.000,00	Rp. 8.750,00
	Karet List	m'	2,000	Rp. 4.500,00	Rp. 9.000,00
				Jumlah Harga Bahan (B)	**Rp. 118.500,00**
C	**PERALATAN**				
				Jumlah Harga Alat (C)	**Rp -**
D	Jumlah (A + B + C)				Rp. 169.350,00
E	Overhead & Profit		10% x D		Rp. 16.935,00
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 186.285,00**
G	**Dibulatkan**				**Rp. 186.285,00**

Analisa : AHSP 5e. Analisa Pintu & Jendela
Item : Pekerjaan Pemasangan 1 m2 Daun Pintu Double Taekwood Lapis Formika
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				

	Pekerja	O - H	0,480	Rp.	150.000,00	Rp.	72.000,00
	Tukang	O - H	0,800	Rp.	150.000,00	Rp.	120.000,00
	Mandor	O - H	0,184	Rp.	180.000,00	Rp.	33.120,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**225.120,00**
B	**BAHAN**						
	Rangka Papan Kamper Baja	m3	0,040	Rp	6.700.000,00	Rp.	268.000,00
	Taekwood Uk. Pintu	lbr	0,700	Rp.	80.000,00	Rp.	56.000,00
	Formika	lbr	0,200	Rp.	155.000,00	Rp.	31.000,00
	Paku Triplek	kg	0,030	Rp.	16.500,00	Rp.	495,00
	Lem Putih	kg	0,800	Rp.	15.000,00	Rp.	12.000,00
			Jumlah Harga Bahan (B)			**Rp.**	**99.495,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	458.615,00
E	Overhead & Profit		10% x D			Rp.	45.861,50
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**504.476,50**
G	**Dibulatkan**					**Rp.**	**504.477,00**

Analisa : AHSP PU A.4.6.1.5
Item : Pembuatan dan Pemasangan Daun Pintu Panel, Steel Plate
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	1,000	Rp.	150.000,00	Rp.	150.000,00
	Tukang	O - H	3,000	Rp.	150.000,00	Rp.	450.000,00
	Kepala Tukang	O - H	0,300	Rp.	170.000,00	Rp.	51.000,00
	Mandor	O - H	0,050	Rp.	180.000,00	Rp.	9.000,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**660.000,00**
B	**BAHAN**						
	Kayu Kamper Papan (Mutu Kayu Klas II) 2/2(	m^3	0,040	Rp.	8.700.000,00	Rp.	348.000,00
	Lem Kayu	Kg	0,500	Rp.	15.000,00	Rp.	7.500,00
			Jumlah Harga Bahan (B)			**Rp.**	**355.500,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	1.015.500,00
E	Overhead & Profit		10% x D			Rp.	101.550,00
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**1.117.050,00**
G	**Dibulatkan**					**Rp.**	**1.117.050,00**

Analisa : AHSP PU A.4.6.2.17.
Item : Pekerjaan pemasangan Kaca tebal 5 mm
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	0,015	Rp.	150.000,00	Rp.	2.250,00
	Tukang Kayu	O - H	0,150	Rp.	150.000,00	Rp.	22.500,00
	Kepala Tukang	O - H	0,015	Rp.	170.000,00	Rp.	2.550,00
	Mandor	O - H	0,001	Rp.	180.000,00	Rp.	144,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**27.444,00**
B	**BAHAN**						
	Kaca Bening merek mulia	m2	1,100	Rp	120.000,00	Rp.	132.000,00
	Silicone sealent 300 ml	Tube	0,050	Rp.	375,00	Rp.	18,75
			Jumlah Harga Bahan (B)			**Rp.**	**132.018,75**
C	**PERALATAN**						

				Jumlah Harga Alat (C)		**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	159.462,75
E	Overhead & Profit		10% x D			Rp.	15.946,28
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**175.409,03**
G	**Dibulatkan**					**Rp.**	**175.410,00**

Analisa : AHSP PU A.4.1.1.1
Item : Pemasangan 1 m2 Rolling Door Besi
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	1,200	Rp.	150.000,00	Rp.	180.000,00
	Tukang	O - H	1,200	Rp.	150.000,00	Rp.	180.000,00
	Kepala Tukang	O - H	0,120	Rp.	170.000,00	Rp.	20.400,00
	Mandor	O - H	0,040	Rp.	180.000,00	Rp.	7.200,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**387.600,00**
B	**BAHAN**						
	Roll Door Besi Galvalum 0.8 mm Otomatis	m2	1,000	Rp.	950.000,00	Rp.	950.000,00
			Jumlah Harga Bahan (B)			**Rp.**	**950.000,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	1.337.600,00
E	Overhead & Profit		10% x D			Rp.	133.760,00
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**1.471.360,00**
G	**Dibulatkan**					**Rp.**	**1.471.360,00**

Analisa : AHSP PU 2022 A.4.6.2.5
Item : Pemasangan engsel pintu
Satuan : Buah

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	0,015	Rp.	150.000,00	Rp.	2.250,00
	Tukang	O - H	0,150	Rp.	150.000,00	Rp.	22.500,00
	Kepala Tukang	O - H	0,015	Rp.	170.000,00	Rp.	2.550,00
	Mandor	O - H	0,001	Rp.	180.000,00	Rp.	144,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**27.444,00**
B	**BAHAN**						
	Engsel pintu	Bh	1,000	Rp.	15.000,00	Rp.	15.000,00
			Jumlah Harga Bahan (B)			**Rp.**	**15.000,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	42.444,00
E	Overhead & Profit		10% x D			Rp.	4.244,40
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**46.688,40**
G	**Dibulatkan**					**Rp.**	**46.689,00**

Analisa : AHSP PU 2022 A.4.6.2.2
Item : Pemasangan kunci Selot
Satuan : Buah

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	0,005	Rp.	150.000,00	Rp.	750,00
	Tukang	O - H	0,500	Rp.	150.000,00	Rp.	75.000,00

	Kepala Tukang	O - H	0,050	Rp.	170.000,00	Rp.	8.500,00
	Mandor	O - H	0,003	Rp.	180.000,00	Rp.	540,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**84.790,00**
B	**BAHAN**						
	Kunci Selot	Bh	1,000	Rp.	20.000,00	Rp.	20.000,00
			Jumlah Harga Bahan (B)			**Rp.**	**20.000,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	104.790,00
E	Overhead & Profit		10% x D			Rp.	10.479,00
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**115.269,00**
G	**Dibulatkan**					**Rp.**	**115.269,00**

Analisa : SNI 2013 pekerjaan kunci dan kaca L.12
Item : Pemasangan door closer
Satuan : Buah

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	0,050	Rp.	150.000,00	Rp.	7.500,00
	Tukang	O - H	0,500	Rp.	150.000,00	Rp.	75.000,00
	Kepala Tukang	O - H	0,050	Rp.	170.000,00	Rp.	8.500,00
	Mandor	O - H	0,003	Rp.	180.000,00	Rp.	540,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**91.540,00**
B	**BAHAN**						
	Door Closer TORA	Bh	1,000	Rp.	139.900,00	Rp.	139.900,00
			Jumlah Harga Bahan (B)			**Rp.**	**139.900,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	231.440,00
E	Overhead & Profit		10% x D			Rp.	23.144,00
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**254.584,00**
G	**Dibulatkan**					**Rp.**	**254.584,00**

Analisa : SNI 2013 pekerjaan kunci dan kaca L.5
Item : Pemasangan Handle pintu
Satuan : Set

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	0,005	Rp.	150.000,00	Rp.	750,00
	Tukang	O - H	0,500	Rp.	150.000,00	Rp.	75.000,00
	Kepala Tukang	O - H	0,050	Rp.	170.000,00	Rp.	8.500,00
	Mandor	O - H	0,003	Rp.	180.000,00	Rp.	540,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**84.790,00**
B	**BAHAN**						
	Pegangangan Pintu (Handle)	set	1,000	Rp.	150.000,00	Rp.	150.000,00
			Jumlah Harga Bahan (B)			**Rp.**	**150.000,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	234.790,00
E	Overhead & Profit		10% x D			Rp.	23.479,00
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**258.269,00**
G	**Dibulatkan**					**Rp.**	**258.269,00**

Analisa : AHSP PU 2022 A.4.6.2.8
Item : Pemasangan grendel jendela spring knip

Satuan : Buah

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,015	Rp. 150.000,00	Rp. 2.250,00
	Tukang	O - H	0,150	Rp. 150.000,00	Rp. 22.500,00
	Kepala Tukang	O - H	0,015	Rp. 170.000,00	Rp. 2.550,00
	Mandor	O - H	0,008	Rp. 180.000,00	Rp. 1.440,00
			Jumlah Tenaga Kerja (A)		**Rp. 28.740,00**
B	**BAHAN**				
	Grendel Jendela	Bh	1,000	Rp. 20.000,00	Rp. 20.000,00
			Jumlah Harga Bahan (B)		**Rp. 20.000,00**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 48.740,00
E	Overhead & Profit		10% x D		Rp. 4.874,00
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 53.614,00**
G	**Dibulatkan**				**Rp. 53.614,00**

Analisa : PEKERJAAN PEMELIHARAAN GEDUNG DAN BANGUNAN TIDAK BERTINGKAT PADA LEMBAGA PEMASYARAKATAN KELAS I MALANG-JAWA TIMUR TAHUN ANGGARAN 2023

Item : Pemasangan pintu PVC kamar mandi

Satuan : Unit

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,800	Rp. 150.000,00	Rp. 120.000,00
	Tukang	O - H	2,400	Rp. 150.000,00	Rp. 360.000,00
	Kepala Tukang	O - H	0,240	Rp. 170.000,00	Rp. 40.800,00
	Mandor	O - H	0,040	Rp. 180.000,00	Rp. 7.200,00
			Jumlah Tenaga Kerja (A)		**Rp. 528.000,00**
B	**BAHAN**				
	Pintu U PVC	Unit	1,000	Rp. 105.000,00	Rp. 105.000,00
			Jumlah Harga Bahan (B)		**Rp. 105.000,00**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 633.000,00
E	Overhead & Profit		10% x D		Rp. 63.300,00
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 696.300,00**
G	**Dibulatkan**				**Rp. 696.300,00**

PEKERJAAN LISTRIK

Analisa : AHSP PU 2022 A.6.2.1.1.a

Item : Memasang 1 titik instalasi listrik

Satuan : ttk

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	upah 100% bahan	O - H	1,000	Rp. 123.200,00	Rp. 123.200,00
			Jumlah Tenaga Kerja (A)		**Rp. 123.200,00**
B	**BAHAN**				
	Kabel NYA 500 V 1x2,5 mm.	m'	10,000	Rp 8.500,00	Rp 85.000,00
	Pipa PVC 5/8"	btg	3,000	Rp 6.000,00	Rp 18.000,00
	T Dos PVC	bh	3,000	Rp 1.000,00	Rp 3.000,00

	L bow	bh	4,000	Rp	2.000,00	Rp	8.000,00
	Las doof	bh	3,000	Rp	800,00	Rp	2.400,00
	Klem	bh	24,000	Rp	200,00	Rp	4.800,00
	mongkok	bh	1,000	Rp	2.000,00	Rp	2.000,00
			Jumlah Harga Bahan (B)			**Rp.**	**123.200,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	246.400,00
E	Overhead & Profit		10% x D			Rp.	24.640,00
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**271.040,00**
G	**Dibulatkan**					**Rp.**	**271.040,00**

Analisa : SNI Ls.7b
Item : Memasang 1 bh Lampu 100 W
Satuan : Buah

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Tukang	O - H	0,064	Rp. 150.000,00	Rp. 9.600,00
	Mandor	O - H	0,006	Rp. 180.000,00	Rp. 1.152,00
			Jumlah Tenaga Kerja (A)		**Rp. 10.752,00**
B	**BAHAN**				
	LED SOROT 100W Flood Light Lampu penera	Bh	1,000	Rp. 98.900,00	Rp. 98.900,00
			Jumlah Harga Bahan (B)		**Rp. 98.900,00**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 109.652,00
E	Overhead & Profit		10% x D		Rp. 10.965,20
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 120.617,20**
G	**Dibulatkan**				**Rp. 120.618,00**

Analisa : SNI Ls.7
Item : Memasang 1 bh stop kontak
Satuan : Buah

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Tukang Listrik	O - H	0,064	Rp. 150.000,00	Rp. 9.600,00
	Mandor	O - H	0,006	Rp. 180.000,00	Rp. 1.152,00
			Jumlah Tenaga Kerja (A)		**Rp. 10.752,00**
B	**BAHAN**				
	Stop Kontak Ex. Broco	Bh	1,000	Rp. 30.000,00	Rp. 30.000,00
			Jumlah Harga Bahan (B)		**Rp. 30.000,00**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 40.752,00
E	Overhead & Profit		10% x D		Rp. 4.075,20
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 44.827,20**
G	**Dibulatkan**				**Rp. 44.828,00**

Analisa : SNI Ls.7
Item : Memasang saklar ganda
Satuan : Buah

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				

	Tukang Listrik	O - H	0,064	Rp.	150.000,00	Rp.	9.600,00
	Mandor	O - H	0,006	Rp.	180.000,00	Rp.	1.152,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**10.752,00**
B	**BAHAN**						
	Saklar Ganda	Bh	1,000	Rp.	30.000,00	Rp.	30.000,00
			Jumlah Harga Bahan (B)			**Rp.**	**30.000,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	40.752,00
E	Overhead & Profit		10% x D			Rp.	4.075,20
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**44.827,20**
G	**Dibulatkan**					**Rp.**	**44.828,00**

Analisa : AHSP PU 2022 A.6.1.1.1.a
Item : Memasang 1 buah MCCB
Satuan : ttk

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	upah 100% bahan	O - H	0,350	Rp.	325.300,00	Rp.	113.855,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**113.855,00**
B	**BAHAN**						
	Pipa PVC 5/8"	btg	3,000	Rp	6.000,00	Rp	18.000,00
	Kabel NYA 500 V 1x2,5 mm.	m'	15,000	Rp	8.500,00	Rp	127.500,00
	T Dos PVC	bh	1,000	Rp	1.000,00	Rp	1.000,00
	L bow	bh	2,000	Rp	2.000,00	Rp	4.000,00
	Klem	bh	24,000	Rp	200,00	Rp	4.800,00
	MCCB (Boks MCB)	bh	1,000	Rp	50.000,00	Rp	50.000,00
	MCB	bh	2,000	Rp	60.000,00	Rp	120.000,00
			Jumlah Harga Bahan (B)			**Rp.**	**325.300,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	439.155,00
E	Overhead & Profit		10% x D			Rp.	43.915,50
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**483.070,50**
G	**Dibulatkan**					**Rp.**	**483.071,00**

Analisa : AHSP PU 2022 AHSP 5.5.2.33
Item : Pemasangan 1 Unit Exhaust Grille 600 x 300 mm
Satuan : Buah

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	0,064	Rp.	150.000,00	Rp.	9.600,00
	Tukang	O - H	0,107	Rp.	150.000,00	Rp.	16.050,00
	Kepala Tukang	O - H	0,011	Rp.	170.000,00	Rp.	1.870,00
	Mandor	O - H	0,004	Rp.	180.000,00	Rp.	720,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**28.240,00**
B	**BAHAN**						
	Exhaust Grille, 600 x 300 mm dan aksesoris	Unit	1,000	Rp.	187.000,00	Rp.	187.000,00
			Jumlah Harga Bahan (B)			**Rp.**	**187.000,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	215.240,00
E	Overhead & Profit		10% x D			Rp.	21.524,00
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**236.764,00**

G	**Dibulatkan**	**Rp.**	**236.764,00**

Analisa : AHSP PU 2022 5.5.2.33
Item : Memasang GENSET 100 kva
Satuan : Buah

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,064	Rp. 150.000,00	Rp. 9.600,00
	Tukang	O - H	1,714	Rp. 150.000,00	Rp. 257.130,00
	Kepala Tukang	O - H	0,034	Rp. 170.000,00	Rp. 5.814,00
	Mandor	O - H	0,171	Rp. 180.000,00	Rp. 30.780,00
			Jumlah Tenaga Kerja (A)		**Rp. 303.324,00**
B	**BAHAN**				
	Genset 100 Kva	Unit	1,000	Rp 100.000.000,00	Rp 100.000.000,00
	Kabel sdp	Ls	1,000	Rp 6.500.000,00	Rp 6.500.000,00
	Kabel mdp	Ls	1,000	Rp 55.000.000,00	Rp 55.000.000,00
			Jumlah Harga Bahan (B)		**Rp. 161.500.000,00**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 161.803.324,00
E	Overhead & Profit		10% x D		Rp. 16.180.332,40
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 177.983.656,40**
G	**Dibulatkan**				**Rp. 177.983.657,00**

Analisa : AHSP PU 2022 A. 6.1.1. (vi.2)
Item : Pekerjaan Pemasangan CCTV
Satuan : Set

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,200	Rp. 150.000,00	Rp. 30.000,00
	Tukang	O - H	0,200	Rp. 150.000,00	Rp. 30.000,00
	Mandor	O - H	0,005	Rp. 180.000,00	Rp. 900,00
			Jumlah Tenaga Kerja (A)		**Rp. 60.900,00**
B	**BAHAN**				
	Dome Fixed IP Camera	Unit	1,000	Rp 3.650.000,00	Rp 3.650.000,000
	Kabel UTP Cat 6	m	90,000	Rp 10.166,67	Rp 915.000,300
	Pipa Conduit PVC 20mm	m	90,000	Rp 2.875,00	Rp 258.750,000
	Material bantu	Ls	1,000	Rp 10.000,00	Rp 10.000,000
			Jumlah Harga Bahan (B)		**Rp. 4.833.750,30**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 4.894.650,30
E	Overhead & Profit		10% x D		Rp. 489.465,03
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 5.384.115,33**
G	**Dibulatkan**				**Rp. 5.384.116,00**

PEKERJAAN SANITASI

Analisa : AHSP PU 2022 AHSP A.5.1.1 26.
Item : Pemasangan 1 m' pipa PVC tipe AW diameter ¾ "
Satuan : m'

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,036	Rp. 150.000,00	Rp. 5.400,00
	Tukang Pipa	O - H	0,060	Rp. 150.000,00	Rp. 9.000,00

	Kepala Tukang	O - H	0,006	Rp.	170.000,00	Rp.	1.020,00
	Mandor	O - H	0,002	Rp.	180.000,00	Rp.	360,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**15.780,00**
B	**BAHAN**						
	Pipa PVC 3/4	m'	1,200	Rp	13.500,00	Rp	16.200,000
	Perlengkapan	%	0,350	Rp	15.000,00	Rp	5.250,000
			Jumlah Harga Bahan (B)			**Rp.**	**21.450,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	37.230,00
E	Overhead & Profit		10% x D			Rp.	3.723,00
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**40.953,00**
G	**Dibulatkan**					**Rp.**	**40.953,00**

Analisa : AHSP PU 2022 AHSP A.5.1.1.29
Item : Pemasangan pipa PVC tipe D diameter 2"
Satuan : m'

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	0,036	Rp.	150.000,00	Rp.	5.400,00
	Tukang Pipa	O - H	0,060	Rp.	150.000,00	Rp.	9.000,00
	Kepala Tukang	O - H	0,006	Rp.	170.000,00	Rp.	1.020,00
	Mandor	O - H	0,002	Rp.	180.000,00	Rp.	360,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**15.780,00**
B	**BAHAN**						
	Pipa PVC Tipe D Ø 2" - 400	m'	1,200	Rp	15.625,00	Rp	18.750,000
	perlengkapan	ls	0,350	Rp	18.750,00	Rp	6.562,500
			Jumlah Harga Bahan (B)			**Rp.**	**25.312,50**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	41.092,50
E	Overhead & Profit		10% x D			Rp.	4.109,25
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**45.201,75**
G	**Dibulatkan**					**Rp.**	**45.202,00**

Analisa : AHSP PU 2022 AHSP A.5.1.1.31.
Item : Pemasangan pipa PVC tipe D diameter 3"
Satuan : m'

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	0,081	Rp.	150.000,00	Rp.	12.150,00
	Tukang Pipa	O - H	0,135	Rp.	150.000,00	Rp.	20.250,00
	Kepala Tukang	O - H	0,014	Rp.	170.000,00	Rp.	2.295,00
	Mandor	O - H	0,004	Rp.	180.000,00	Rp.	720,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**35.415,00**
B	**BAHAN**						
	Pipa PVC Tipe D Ø 3" - 400	m'	1,200	Rp	30.000,00	Rp	36.000,000
	perlengkapan	ls	0,350	Rp	36.000,00	Rp	12.600,000
			Jumlah Harga Bahan (B)			**Rp.**	**48.600,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	84.015,00
E	Overhead & Profit		10% x D			Rp.	8.401,50
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**92.416,50**
G	**Dibulatkan**					**Rp.**	**92.417,00**

Analisa : AHSP PU 2022 A.5.1.1.32
Item : Pemasangan pipa PVC tipe D diameter 4"
Satuan : m'

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,081	Rp. 150.000,00	Rp. 12.150,00
	Tukang Pipa	O - H	0,135	Rp. 150.000,00	Rp. 20.250,00
	Kepala Tukang	O - H	0,014	Rp. 170.000,00	Rp. 2.295,00
	Mandor	O - H	0,004	Rp. 180.000,00	Rp. 720,00
			Jumlah Tenaga Kerja (A)		**Rp. 35.415,00**
B	**BAHAN**				
	Pipa PVC Tipe D Ø 4" - 400	Btg	1,200	Rp 41.250,00	Rp 49.500,000
	perlengkapan	ls	0,350	Rp 49.500,00	Rp 17.325,000
			Jumlah Harga Bahan (B)		**Rp. 66.825,00**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 102.240,00
E	Overhead & Profit		10% x D		Rp. 10.224,00
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 112.464,00**
G	**Dibulatkan**				**Rp. 112.464,00**

Analisa : SNI 2013 P.15
Item : Pemasangan bak kontrol pasangan bata. 60x60x65cm
Satuan : Buah

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	3,200	Rp. 150.000,00	Rp. 480.000,00
	Tukang Batu	O - H	1,150	Rp. 150.000,00	Rp. 172.500,00
	Kepala Tukang	O - H	0,011	Rp. 170.000,00	Rp. 1.870,00
	Mandor	O - H	0,016	Rp. 180.000,00	Rp. 2.880,00
			Jumlah Tenaga Kerja (A)		**Rp. 657.250,00**
B	**BAHAN**				
	Bata Merah / Batu Bata	bh	123,000	Rp 600,00	Rp 73.800,000
	Semen Portland	Kg	114,000	Rp 146.870,00	Rp 16.743.180,000
	Pasir Pasang	m^3	0,184	Rp 175.000,00	Rp 32.200,000
	Pasir Beton	kg	0,120	Rp 160.762,00	Rp 19.291,440
	Batu Kali Pecah Crusser 0,5	m^3	0,033	Rp 230.000,00	Rp 7.590,000
	Besi Beton Polos	Kg	4,850	Rp 12.500,00	Rp 60.625,000
			Jumlah Harga Bahan (B)		**Rp. 16.936.686,44**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 17.593.936,44
E	Overhead & Profit		10% x D		Rp. 1.759.393,64
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 19.353.330,08**
G	**Dibulatkan**				**Rp. 19.353.331,00**

Analisa : AHSP PU 2022 A.5.1.1 19
Item : Pemasangan 1 buah kran diameter ½" atau ¾ "
Satuan : Buah

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O- H	0,010	Rp. 150.000,00	Rp. 1.500,00

	Tukang Batu	O - H	0,400	Rp.	150.000,00	Rp.	60.000,00
	Kepala Tukang	O- H	0,040	Rp.	170.000,00	Rp.	6.800,00
	Mandor	O - H	0,005	Rp.	180.000,00	Rp.	900,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**69.200,00**
B	**BAHAN**						
	Kran Air	Buah	1,000	Rp	39.900,00	Rp	39.900,000
	Sealtape	Buah	0,025	Rp	4.600,00	Rp	115,000
			Jumlah Harga Bahan (B)			**Rp.**	**40.015,00**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	109.215,00
E	Overhead & Profit		10% x D			Rp.	10.921,50
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**120.136,50**
G	**Dibulatkan**					**Rp.**	**120.137,00**

Analisa : AHSP PU 2022 A.5.1.1.2
Item : Pemasangan closet jongkok porselin
Satuan : Buah

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	1,000	Rp.	150.000,00	Rp.	150.000,00
	Tukang Batu	O - H	1,500	Rp.	150.000,00	Rp.	225.000,00
	Kepala Tukang	O - H	0,150	Rp.	170.000,00	Rp.	25.500,00
	Mandor	O - H	0,160	Rp.	180.000,00	Rp.	28.800,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**429.300,00**
B	**BAHAN**						
	Kloset Jongkok Porselin ex. INA	Bh	1,000	Rp	158.700,00	Rp	158.700,000
	Pas.bata 1Pc:3Ps	m2	0,036	Rp	146.870,00	Rp	5.287,320
			Jumlah Harga Bahan (B)			**Rp.**	**163.987,32**
C	**PERALATAN**						
			Jumlah Harga Alat (C)			**Rp**	**-**
D	Jumlah (A + B + C)					Rp.	593.287,32
E	Overhead & Profit		10% x D			Rp.	59.328,73
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**652.616,05**
G	**Dibulatkan**					**Rp.**	**652.617,00**

Analisa : AHS Pekerjaan air tanah AT.02
Item : Pekerjaan 1m' Pengeboran Sumur
Satuan : m'

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)		Jumlah Harga (Rp.)	
A	**TENAGA**						
	Pekerja	O - H	0,309	Rp.	150.000,00	Rp.	46.320,00
	Tukang	O - H	0,077	Rp.	150.000,00	Rp.	11.580,00
	Mandor	O - H	0,031	Rp.	170.000,00	Rp.	5.253,00
			Jumlah Tenaga Kerja (A)			**Rp.**	**63.153,00**
B	**BAHAN**						
			Jumlah Harga Bahan (B)			**Rp**	**-**
C	**PERALATAN**						
	Borehole dia 8 3/4"	m	0,541	Rp.	600.000,00	Rp.	324.300,00
			Jumlah Harga Alat (C)			**Rp.**	**324.300,00**
D	Jumlah (A + B + C)					Rp.	387.453,00
E	Overhead & Profit		10% x D			Rp.	38.745,30
F	**Harga Satuan Pekerjaan (D + E)**					**Rp.**	**426.198,30**
G	**Dibulatkan**					**Rp.**	**426.199,00**

Analisa : ANALISA HARGA SATUAN (AHS) PEKERJAAN INSTALASI AIR TABEL XII.1
Item : Pemasangan Pompa Air
Satuan : Buah

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,250	Rp. 150.000,00	Rp. 37.500,00
	Mandor	O - H	0,113	Rp. 180.000,00	Rp. 20.340,00
			Jumlah Tenaga Kerja (A)		**Rp. 57.840,00**
B	**BAHAN**				
	Pompa zetpump sanyo	Bh	1,000	Rp 4.850.000,00	Rp 4.850.000,00
			Jumlah Harga Bahan (B)		**Rp. 4.850.000,00**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 4.907.840,00
E	Overhead & Profit		10% x D		Rp. 490.784,00
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 5.398.624,00**
G	**Dibulatkan**				**Rp. 5.398.624,00**

Analisa : AHSP PU 2022 A.5.1.1.2
Item : Pemasangan bak cuci piring stainlessteel
Satuan : Unit

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,030	Rp. 150.000,00	Rp. 4.500,00
	Tukang	O - H	0,300	Rp. 150.000,00	Rp. 45.000,00
	Kepala Tukang	O - H	0,030	Rp. 170.000,00	Rp. 5.100,00
	Mandor	O - H	0,015	Rp. 180.000,00	Rp. 2.700,00
			Jumlah Tenaga Kerja (A)		**Rp. 57.300,00**
B	**BAHAN**				
	Bak Cuci Piring Stainless Steel	Bh	1,000	Rp 828.500,00	Rp 828.500,000
	Water Drain	Bh	1,000	Rp 128.500,00	Rp 128.500,000
			Jumlah Harga Bahan (B)		**Rp. 957.000,00**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 1.014.300,00
E	Overhead & Profit		10% x D		Rp. 101.430,00
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 1.115.730,00**
G	**Dibulatkan**				**Rp. 1.115.730,00**

Analisa : AHSP
Item : Pemasangan Septictank dan Resapan
Satuan : Ls

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	1,000	Rp. 150.000,00	Rp. 150.000,00
	Tukang Batu	O - H	1,000	Rp. 150.000,00	Rp. 150.000,00
	Kepala Tukang	O - H	0,100	Rp. 170.000,00	Rp. 17.000,00
	Mandor	O - H	0,050	Rp. 180.000,00	Rp. 9.000,00
			Jumlah Tenaga Kerja (A)		**Rp. 326.000,00**
B	**BAHAN**				
	Pemasangan Septictank dan Resapan	Ls	1,000	Rp 3.000.000,00	Rp 3.000.000,000
			Jumlah Harga Bahan (B)		**Rp. 3.000.000,00**
C	**PERALATAN**				

			Jumlah Harga Alat (C)	**Rp**	**-**
D	Jumlah (A + B + C)			Rp.	3.326.000,00
E	Overhead & Profit		10% x D	Rp.	332.600,00
F	**Harga Satuan Pekerjaan (D + E)**			**Rp.**	**3.658.600,00**
G	**Dibulatkan**			**Rp.**	**3.658.600,00**

Analisa : AHSP PU 2022 A.5.1.1 4
Item : Pemasangan 1 buah urinoir
Satuan : Buah

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	1,000	Rp. 150.000,00	Rp. 150.000,00
	Tukang Batu	O - H	1,000	Rp. 150.000,00	Rp. 150.000,00
	Kepala Tukang	O - H	0,100	Rp. 170.000,00	Rp. 17.000,00
	Mandor	O - H	0,050	Rp. 180.000,00	Rp. 9.000,00
			Jumlah Tenaga Kerja (A)		**Rp. 326.000,00**
B	**BAHAN**				
	Urinoir	Buah	1,000	Rp 1.250.000,00	Rp 1.250.000,00
	Pasir Pasang	m3	0,010	Rp 233.333,33	Rp 2.333,33
	PC / Portland cement (Indocement)	kg	6,000	Rp 1.470,00	Rp 8.820,00
	Air	Liter	2,500	Rp 68,00	Rp 170,00
	Perlengkapan	Ls	30,000	Rp 50.029,63	Rp 1.500.888,90
			Jumlah Harga Bahan (B)		**Rp. 2.762.212,23**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 3.088.212,23
E	Overhead & Profit		10% x D		Rp. 308.821,22
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 3.397.033,46**
G	**Dibulatkan**				**Rp. 3.397.034,00**

Analisa : AHSP PU 2022 A..5.1.1 14
Item : Pemasangan 1 buah floor drain
Satuan : Buah

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O- H	0,010	Rp. 150.000,00	Rp. 1.500,00
	Tukang Batu	O - H	0,100	Rp. 150.000,00	Rp. 15.000,00
	Kepala Tukang	O- H	0,010	Rp. 170.000,00	Rp. 1.700,00
	Mandor	O - H	0,005	Rp. 180.000,00	Rp. 900,00
			Jumlah Tenaga Kerja (A)		**Rp. 19.100,00**
B	**BAHAN**				
	Floor Drain	Buah	1,000	Rp 52.222,00	Rp 52.222,000
			Jumlah Harga Bahan (B)		**Rp. 52.222,00**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 71.322,00
E	Overhead & Profit		10% x D		Rp. 7.132,20
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 78.454,20**
G	**Dibulatkan**				**Rp. 78.455,00**

PEKERJAAN PENGECATAN

Analisa : AHSP PU 2022 A 4.7.1.10
Item : Pengecatan 1 m2 tembok baru (1 lapis plamuur, 1 lapis cat dasar, 2 lapis cat penutup)
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,020	Rp. 150.000,00	Rp. 3.000,00
	Tukang	O - H	0,063	Rp. 150.000,00	Rp. 9.450,00
	Kepala Tukang	O - H	0,006	Rp. 170.000,00	Rp. 1.071,00
	Mandor	O - H	0,003	Rp. 180.000,00	Rp. 540,00
			Jumlah Tenaga Kerja (A)		**Rp. 14.061,00**
B	**BAHAN**				
	Plamur Tembok	Kg	0,100	Rp 20.000,00	Rp 2.000,000
	Cat Dasar Tembok	Kg	0,100	Rp 25.000,00	Rp 2.500,000
	Cat tembok catylac	Kg	0,260	Rp 30.000,00	Rp 7.800,000
			Jumlah Harga Bahan (B)		**Rp. 12.300,00**
C	**PERALATAN**				
			Jumlah Harga Alat (C)		**Rp -**
D	Jumlah (A + B + C)				Rp. 26.361,00
E	Overhead & Profit		10% x D		Rp. 2.636,10
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 28.997,10**
G	**Dibulatkan**				**Rp. 28.998,00**

Analisa : 3.3.19.(c) Permen PUPR 2022
Item : Pekerjaan Pengecatan 1 m2 Permukaan Baja Galvanis secara Semprot sistem 3 lapisan Cat
Satuan : m2

No.	Uraian	Satuan	Koefisien	Harga Satuan (Rp.)	Jumlah Harga (Rp.)
A	**TENAGA**				
	Pekerja	O - H	0,400	Rp. 150.000,00	Rp. 60.000,00
	Tukang	O - H	0,700	Rp. 150.000,00	Rp. 105.000,00
	Kepala Tukang	O - H	0,070	Rp. 170.000,00	Rp. 11.900,00
	Mandor	O - H	0,020	Rp. 180.000,00	Rp. 3.600,00
			Jumlah Tenaga Kerja (A)		**Rp. 180.500,00**
B	**BAHAN**				
	Cat Dasar (Avian)	Kg	0,300	Rp 59.444,44	Rp 17.833,333
	Cat Baja (Jotun)	Kg	0,300	Rp 93.500,00	Rp 28.050,000
	Pengencer (Jotun)	Liter	0,010	Rp 48.000,00	Rp 480,000
			Jumlah Harga Bahan (B)		**Rp. 46.363,33**
C	**PERALATAN**				
	Sewa Kompresor	Jam	0,850	Rp. 9.000,00	Rp. 7.650,00
			Jumlah Harga Alat (C)		**Rp. 7.650,00**
D	Jumlah (A + B + C)				Rp. 234.513,33
E	Overhead & Profit		10% x D		Rp. 23.451,33
F	**Harga Satuan Pekerjaan (D + E)**				**Rp. 257.964,67**
G	**Dibulatkan**				**Rp. 257.965,00**

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