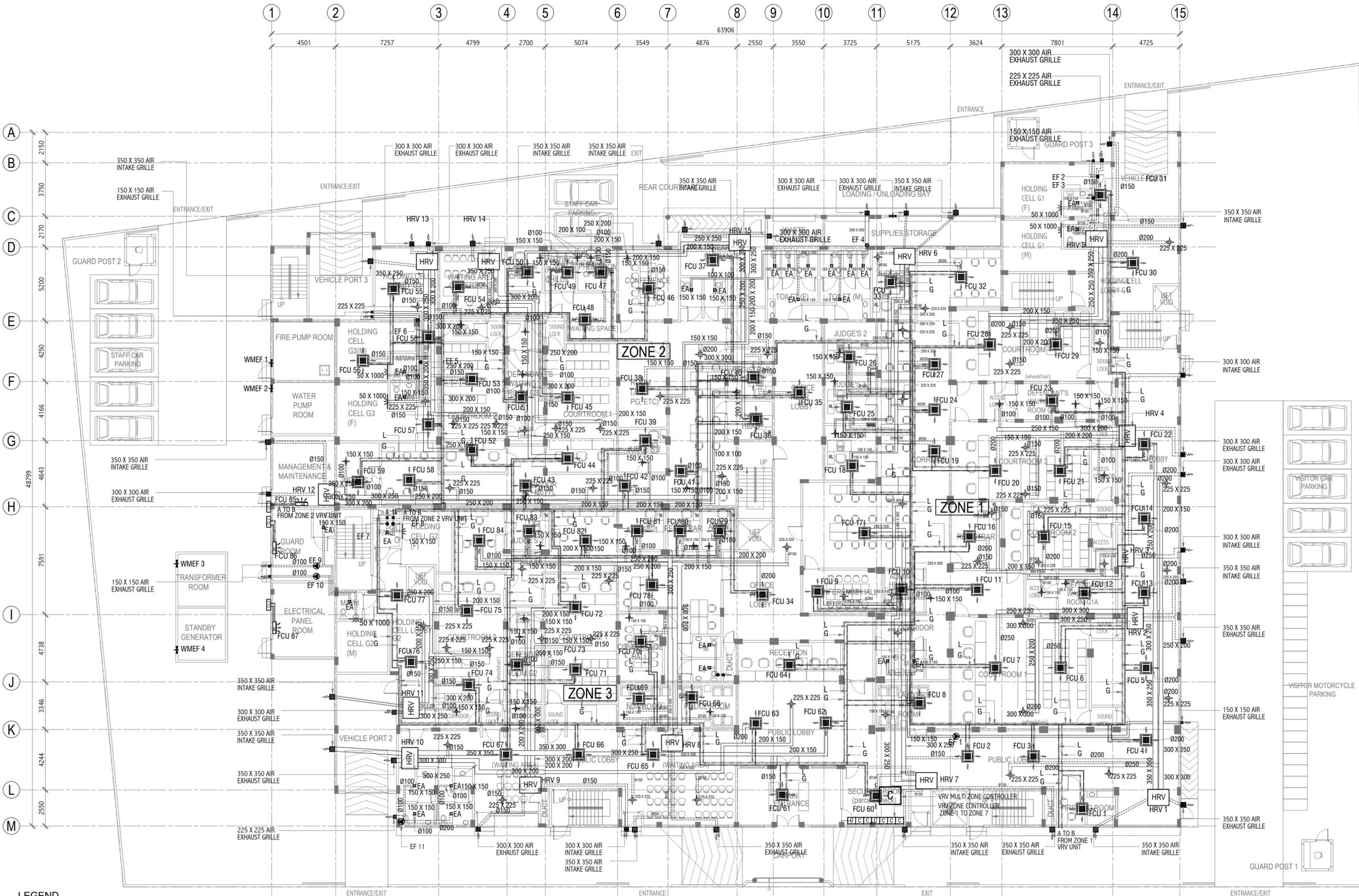


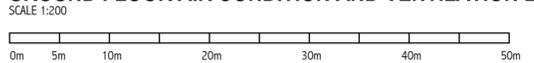
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- 23- ALL VRV OUTDOOR UNITS FINIS SHALL BE TREATED WITH ANTI-CORROSIVE TREATMENT.



SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CEILING MOUNTED AIR-CONDITIONING INDOOR UNIT		VRV MULTI ZONE CONTROLLER
	AIR EXHAUST SQUARE CEILING DIFFUSER		VRV ZONE CONTROLLER
	RIGID DUCT		INTERNAL AIR EXHAUST GRILLE
	INSULATED GAS PIPE		AIR INTAKE GRILLE
	INSULATED LIQUID PIPE		ABOVE TO BELOW
	PRE-INSULATED FLEXIBLE DUCT		WALL MOUNTED AIR-CONDITIONING UNIT
	HEAT RECLAIM VENTILATION UNIT		WALL MOUNTED EXHAUST GRILL
	CONDENSER UNIT		ONLINE EXHAUST FAN
	EXTERNAL AIR EXHAUST GRILLE		CEILING FAN

**GROUND FLOOR AIR CONDITION AND VENTILATION LAYOUT**



**NOTE (AC CONTROL SYSTEM)**

- 1- ALL AC ZONES ARE CONTROLLED BY MULTI ZONE CONTROLLER PLACED AT MANAGEMENT & MAINTENANCE ROOM
- 2- EACH AC ZONE IS CONTROLLED BY INDIVIDUAL ZONE CONTROLLER PLACED AT MANAGEMENT AND MAINTENANCE ROOM
- 3- EACH INDOOR UNIT IS CONTROLLED BY INDIVIDUAL UNIT CONTROLLER.

Revision	Date	Drawn By	Checked By
R02	26.01.2022	SHAMMA	
R03	29.01.2022	SHAMMA	

Client : DEPARTMENT OF JUDICIAL ADMINISTRATION  
 Project Title : **ADDU COURT COMPLEX**

Building Name : **ADDU COURT COMPLEX**  
 Drawing Title : **GROUND FLOOR AIR CONDITION AND VENTILATION LAYOUT**

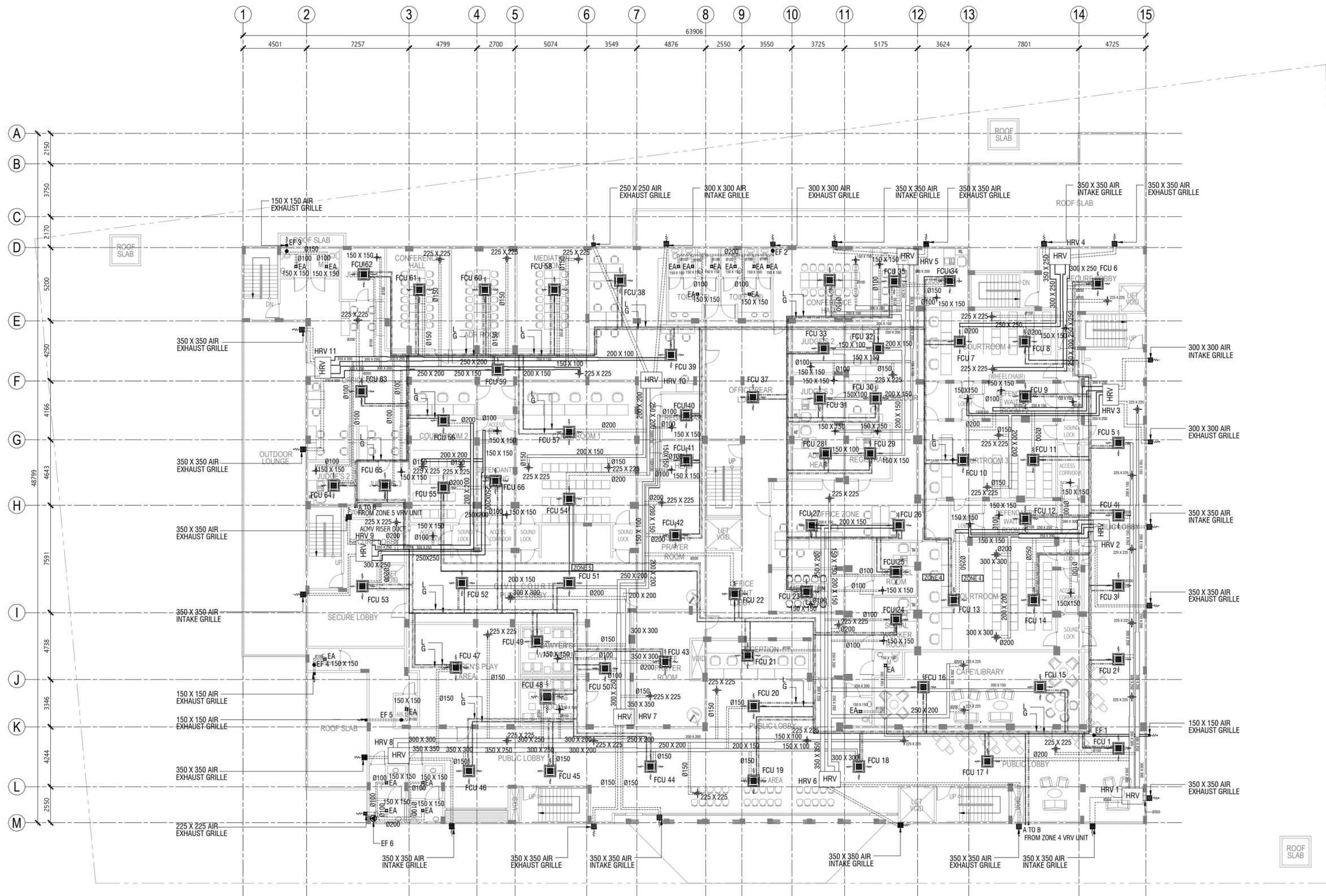
Scale : 1:200  
 Discipline : MEP  
 Stage : SUBMISSION

Original Drawn By : HANS  
 Checked By : THORIQ  
 Date : SEPTEMBER 2021  
 Design By : AJMAL

Drawing Number : **33-101**  
 Revision Number : R03  
 File Name : HG-33-101R03.dwg

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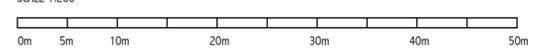
**LEGEND**

SYMBOL	DESCRIPTION
	CEILING MOUNTED AIR-CONDITIONING INDOOR UNIT
	AIR EXHAUST SQUARE CEILING DIFFUSER
	RIGID DUCT
	INSULATED GAS PIPE
	INSULATED LIQUID PIPE
	PRE-INSULATED FLEXIBLE DUCT
	HEAT RECLAIM VENTILATION UNIT
	CONDENSER UNIT
	EXTERNAL AIR EXHAUST GRILLE

	INTERNAL AIR EXHAUST GRILLE
	AIR INTAKE GRILLE
	ABOVE TO BELOW
	WALL MOUNTED AIR-CONDITIONING UNIT
	WALL MOUNTED EXHAUST GRILL
	ONLINE EXHAUST FAN
	CEILING FAN

**NOTE:**  
 = GAS PIPE LINE DIAMETER=60MM Ø  
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 = AC INDOOR UNIT: H X W X D (MM) : 256 X 840 X 840  
 = HRV UNIT: H X W X D (MM) : 710 X 1498 X 1140

**FIRST FLOOR AIR CONDITION AND VENTILATION LAYOUT**



Revision	Date	Drawn By	Checked By

Client :  
 DEPARTMENT OF JUDICIAL ADMINISTRATION  
 Project Title :  
**ADDU COURT COMPLEX**

Building Name :  
**ADDU COURT COMPLEX**  
 Drawing Title :  
**FIRST FLOOR AIR CONDITION AND VENTILATION LAYOUT**

Scale :  
**1:200**  
 Discipline :  
**MEP**  
 Stage :  
**SUBMISSION**

Original Drawn By :  
**HANS**  
 Checked By :  
**THORIQ**  
 Date :  
**SEPTEMBER 2021**  
 Design By :  
**AJMAL**

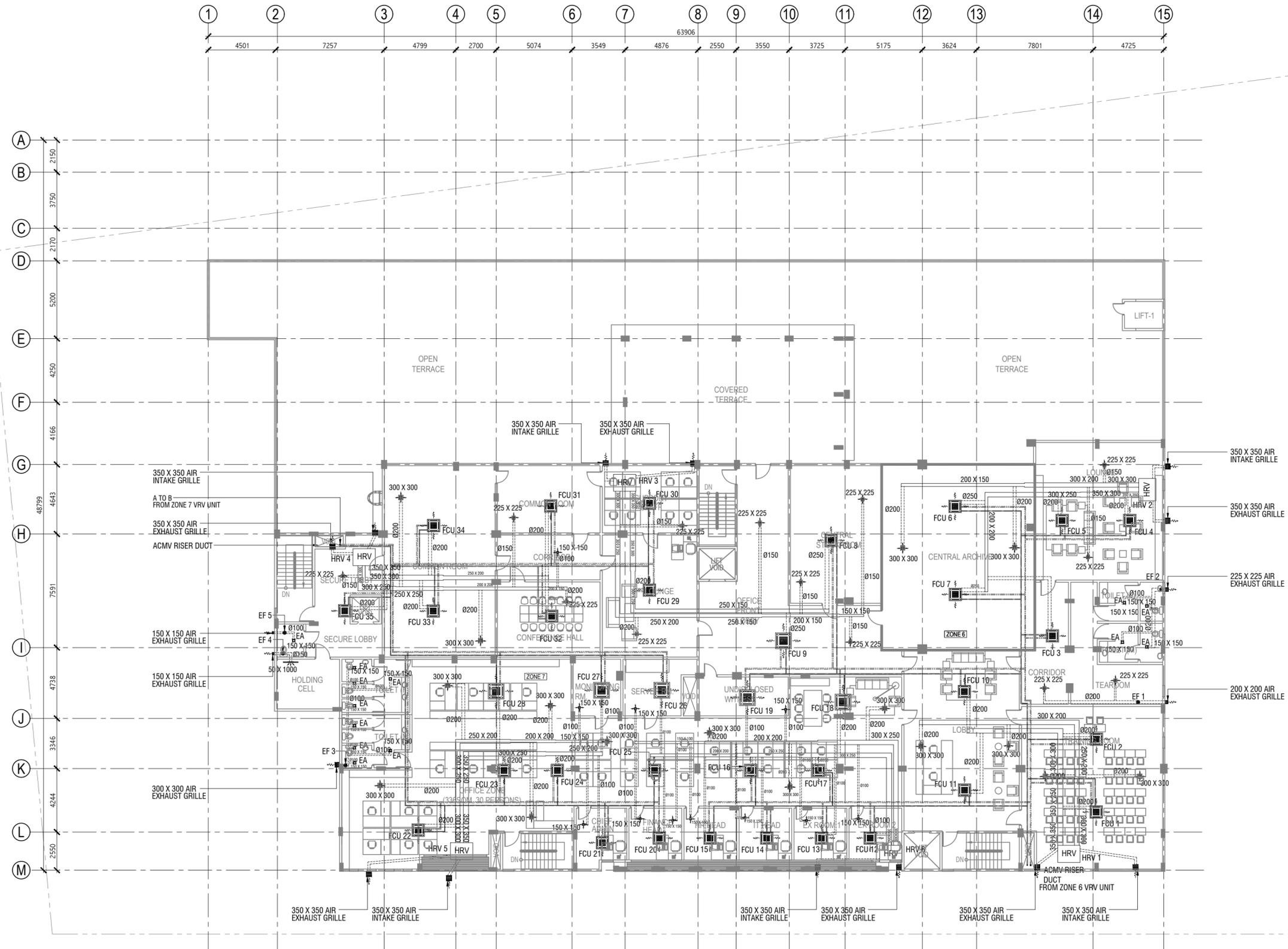
Drawing Number :  
**33-102**  
 Revision Number :  
**R01**

File Name :  
 H9-33-102R01.dwg  
 Deans Villa  
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 Webpage: gedor.com.mv

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**LEGEND**

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	AIR EXHAUST SQUARE CEILING DIFFUSER
	RIGID DUCT
	INSULATED GAS PIPE
	INSULATED LIQUID PIPE
	PRE-INSULATED FLEXIBLE DUCT
	HEAT RECLAIM VENTILATION UNIT
	CONDENSER UNIT
	EXTERNAL AIR EXHAUST GRILLE
	INTERNAL AIR EXHAUST GRILLE
	AIR INTAKE GRILLE
	ABOVE TO BELOW
	WALL MOUNTED AIR-CONDITIONING UNIT
	WALL MOUNTED EXHAUST GRILL
	ONLINE EXHAUST FAN

**SECOND FLOOR AIR CONDITION AND VENTILATION LAYOUT**

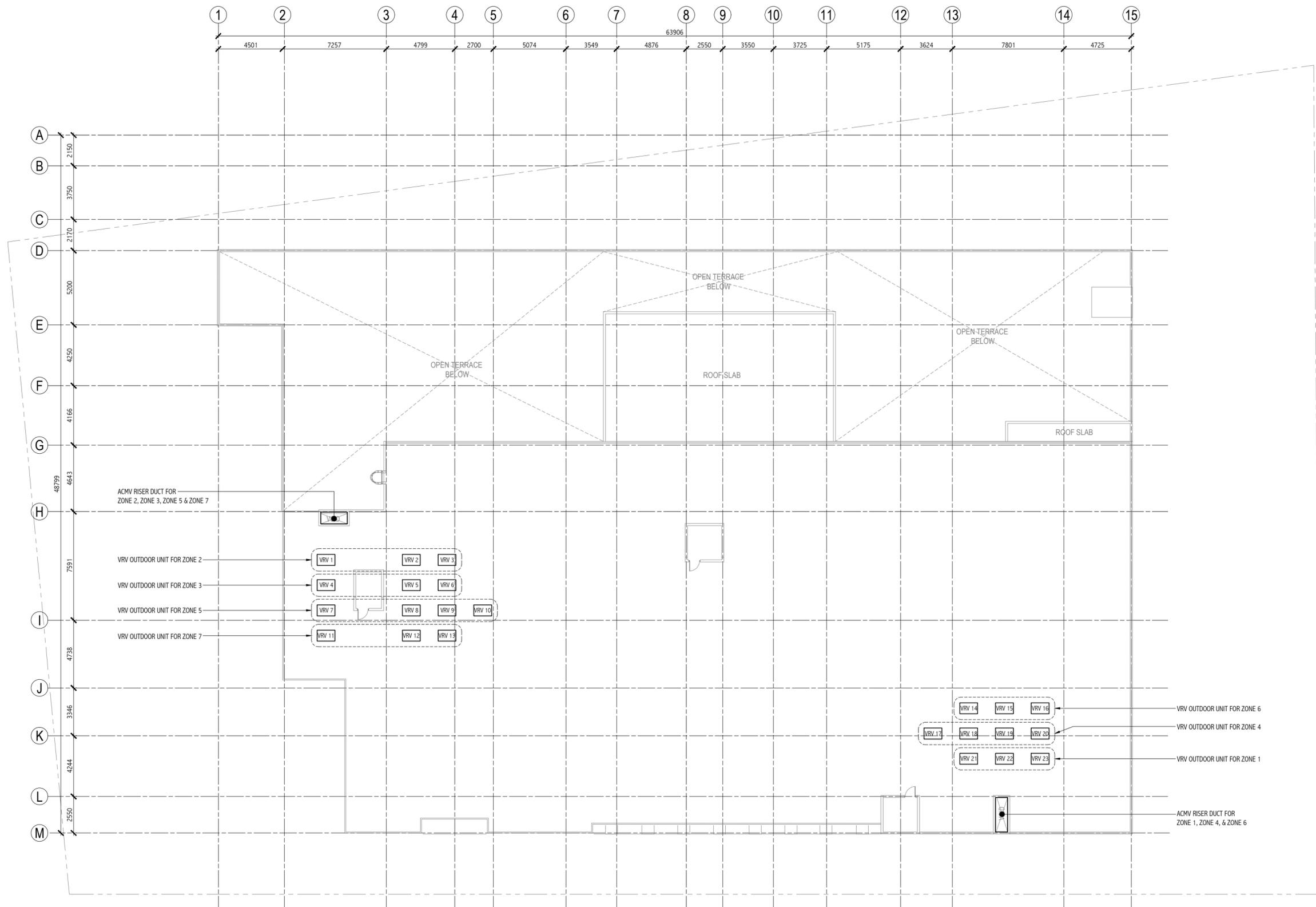


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Revision	Date	Drawn By	Checked By

Client : DEPARTMENT OF JUDICIAL ADMINISTRATION  
 Project Title : **ADDU COURT COMPLEX**  
 Building Name : **ADDU COURT COMPLEX**  
 Drawing Title : **SECOND FLOOR AIR CONDITION AND VENTILATION LAYOUT**  
 Scale : 1:200  
 Discipline : MEP  
 Stage : SUBMISSION  
 Original Drawn By : HANS  
 Checked By : THORIQ  
 Date : SEPTEMBER 2021  
 Design By : AJMAL  
 Drawing Number : **33-103**  
 Revision Number : R01  
 File Name : H9-33-103R01.dwg

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**LEGEND**

SYMBOL	DESCRIPTION
	VRV OUTDOOR UNIT

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**ROOF VRV UNIT LOCATION PLAN**  
 SCALE 1:200

Revision	Date	Drawn By	Checked By
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Client :  
 DEPARTMENT OF JUDICIAL ADMINISTRATION

Project Title :  
 ADDU COURT COMPLEX

Building Name :  
 ADDU COURT COMPLEX

Drawing Title :  
 ROOF VRV UNIT LOCATION PLAN

Scale :  
 1:200

Discipline :  
 MEP

Stage :  
 SUBMISSION

Original Drawn By : HANS  
 Checked By : THORIQ  
 Date : SEPTEMBER 2021  
 Design By : AJMAL

Drawing Number :  
 33-104

Revision Number :  
 R01

File Name :  
 H9-33-104R01.dwg

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GROUND FLOOR

ZONE 1

FAN COIL UNIT	OUTDOOR UNIT	
FCU NO. COOLING LOAD (BTU/HR)	UNIT NO.	TYPE
FCU 1	9000	
FCU 2	24000	
FCU 3	24000	
FCU 4	24000	
FCU 5	24000	
FCU 6	30000	
FCU 8	9000	
FCU 9	15000	
FCU 10	7500	
FCU 11	7500	
FCU 12	7500	
FCU 13	24000	
FCU 14	24000	
FCU 15	15000	
FCU 17	30000	
FCU 18	9000	
FCU 19	12000	
FCU 21	18000	
FCU 22	24000	
FCU 23	7500	
FCU 24	12000	
FCU 25	9000	
FCU 26	9000	
FCU 27	12000	
FCU 29	18000	
FCU 30	30000	
FCU 31	18000	
FCU 32	12000	
FCU 33	12000	

ZONE 2

FAN COIL UNIT	OUTDOOR UNIT	
FCU NO. COOLING LOAD (BTU/HR)	UNIT NO.	TYPE
FCU 20	18000	
FCU 28	18000	
FCU 34	24000	
FCU 35	24000	
FCU 36	24000	
FCU 37	12000	
FCU 38	15000	
FCU 39	9000	
FCU 40	9000	
FCU 41	9000	
FCU 42	12000	
FCU 43	12000	
FCU 45	18000	
FCU 46	12000	
FCU 47	7500	
FCU 48	12000	
FCU 49	7500	
FCU 50	7500	
FCU 51	7500	
FCU 53	18000	
FCU 54	15000	
FCU 55	18000	
FCU 56	12000	
FCU 57	12000	
FCU 58	12000	
FCU 59	9000	
FCU 72	15000	
FCU 75	15000	

ZONE 3

FAN COIL UNIT	OUTDOOR UNIT	
FCU NO. COOLING LOAD (BTU/HR)	UNIT NO.	TYPE
FCU 7	30000	
FCU 16	18000	
FCU 44	18000	
FCU 52	18000	
FCU 60	12000	
FCU 61	18000	
FCU 62	24000	
FCU 63	24000	
FCU 64	12000	
FCU 65	24000	
FCU 66	24000	
FCU 67	24000	
FCU 68	12000	
FCU 69	12000	
FCU 70	12000	
FCU 71	15000	
FCU 73	7500	
FCU 74	15000	
FCU 76	18000	
FCU 77	18000	
FCU 78	24000	
FCU 79	7500	
FCU 80	7500	
FCU 81	7500	
FCU 82	12000	
FCU 83	7500	
FCU 84	12000	

FAN COIL UNIT	CONDENSOR UNIT			
FCU NO. COOLING LOAD (BTU/HR)	CU NO.	COOLING LOAD (BTU/HR)	TYPE	
FCU 85	18000	CU 1	18000	SPLIT
FCU 86	12000	CU 2	12000	SPLIT
FCU 87	18000	CU 3	18000	SPLIT

VENTILATION UNIT	VENTILATION RATE (CMH)
HRV 1	2000
HRV 2	1500
HRV 3	1000
HRV 4	1000
HRV 5	1500
HRV 6	1500
HRV 7	1500
HRV 8	2000
HRV 9	1000
HRV 10	2000
HRV 11	1500
HRV 12	1500
HRV 13	1500
HRV 14	1500
HRV 15	1500
EF 1	160
EF 2	500
EF 3	160
EF 4	800
EF 5	500
EF 6	160
EF 7	80
EF 8	250
EF 9	250
EF 10	80
EF 11	320
WMEF 1	300
WMEF 2	300
WMEF 3	500
WMEF 4	500

FIRST FLOOR

ZONE 4

FAN COIL UNIT	OUTDOOR UNIT	
FCU NO. COOLING LOAD (BTU/HR)	UNIT NO.	TYPE
FCU 1	24000	
FCU 2	24000	
FCU 3	24000	
FCU 4	24000	
FCU 5	24000	
FCU 6	24000	
FCU 8	18000	
FCU 9	7500	
FCU 11	18000	
FCU 12	7500	
FCU 14	30000	
FCU 15	24000	
FCU 16	24000	
FCU 17	24000	
FCU 18	24000	
FCU 19	24000	
FCU 20	24000	
FCU 21	12000	
FCU 22	18000	
FCU 23	12000	
FCU 24	9000	
FCU 25	9000	
FCU 26	18000	
FCU 27	18000	
FCU 28	9000	
FCU 29	9000	
FCU 30	12000	
FCU 31	9000	
FCU 32	12000	
FCU 33	9000	
FCU 34	9000	
FCU 35	12000	
FCU 36	18000	
FCU 37	18000	
FCU 54	30000	
FCU 55	18000	

ZONE 5

FAN COIL UNIT	OUTDOOR UNIT	
FCU NO. COOLING LOAD (BTU/HR)	UNIT NO.	TYPE
FCU 7	18000	
FCU 10	18000	
FCU 13	30000	
FCU 38	18000	
FCU 39	18000	
FCU 40	7500	
FCU 41	7500	
FCU 42	30000	
FCU 43	30000	
FCU 44	24000	
FCU 45	24000	
FCU 46	24000	
FCU 47	30000	
FCU 48	12000	
FCU 49	12000	
FCU 50	18000	
FCU 51	18000	
FCU 52	18000	
FCU 53	36000	
FCU 56	18000	
FCU 57	30000	
FCU 58	24000	
FCU 59	12000	
FCU 60	24000	
FCU 61	24000	
FCU 62	9000	
FCU 63	36000	
FCU 64	9000	
FCU 65	9000	
FCU 66	7500	

VENTILATION UNIT	VENTILATION RATE (CMH)
HRV 1	2000
HRV 2	1500
HRV 3	1000
HRV 4	1500
HRV 5	1500
HRV 6	2000
HRV 7	2000
HRV 8	2000
HRV 9	1500
HRV 10	800
HRV 11	2000
EF 1	160
EF 2	480
EF 3	160
EF 4	80
EF 5	80
EF 6	320

SECOND FLOOR

ZONE 6

FAN COIL UNIT	OUTDOOR UNIT	
FCU NO. COOLING LOAD (BTU/HR)	UNIT NO.	TYPE
FCU 1	36000	
FCU 2	36000	
FCU 3	15000	
FCU 4	24000	
FCU 5	24000	
FCU 6	30000	
FCU 7	30000	
FCU 8	30000	
FCU 9	36000	
FCU 10	36000	
FCU 11	36000	
FCU 12	12000	
FCU 13	12000	
FCU 14	12000	
FCU 15	12000	
FCU 16	24000	
FCU 17	24000	
FCU 18	24000	
FCU 19	12000	

ZONE 7

FAN COIL UNIT	OUTDOOR UNIT	
FCU NO. COOLING LOAD (BTU/HR)	UNIT NO.	TYPE
FCU 20	12000	
FCU 21	12000	
FCU 22	24000	
FCU 23	24000	
FCU 24	24000	
FCU 25	24000	
FCU 28	24000	
FCU 29	24000	
FCU 30	24000	
FCU 31	24000	
FCU 32	30000	
FCU 33	30000	
FCU 34	24000	
FCU 35	30000	

FAN COIL UNIT	CONDENSOR UNIT			
FCU NO. COOLING LOAD (BTU/HR)	CU NO.	COOLING LOAD (BTU/HR)	TYPE	
FCU 26	12000	CU 1	12000	SPLIT
FCU 27	12000	CU 2	12000	SPLIT

VENTILATION UNIT	VENTILATION RATE (CMH)
HRV 1	2000
HRV 2	2000
HRV 3	2000
HRV 4	2000
HRV 5	2000
HRV 6	2000
EF 1	500
EF 2	320
EF 3	640
EF 4	250
EF 5	80

ROOF

OUTDOOR UNIT	COOLING LOAD (BTU/HR)
VRV 1	160,000
VRV 2	114,000
VRV 3	92,000
VRV 4	138,000
VRV 5	138,000
VRV 6	138,000
VRV 7	160,000
VRV 8	138,000
VRV 9	138,000
VRV 10	138,000
VRV 11	114,000
VRV 12	114,000
VRV 13	114,000
VRV 14	112,000
VRV 15	112,000
VRV 16	112,000
VRV 17	160,000
VRV 18	160,000
VRV 19	138,000
VRV 20	138,000
VRV 21	160,000
VRV 22	138,000
VRV 23	138,000

EQUIPMENT SCHEDULE  
SCALE 1:200

Revision	Date	Drawn By	Checked By
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Client : DEPARTMENT OF JUDICIAL ADMINISTRATION

Project Title : ADDU COURT COMPLEX

Building Name : ADDU COURT COMPLEX  
Drawing Title : EQUIPMENT SCHEDULE

Scale : 1:200  
Discipline : MEP  
Stage : SUBMISSION

Original Drawn By : HOMER  
Checked By : THORIQ  
Date : SEPTEMBER 2021  
Design By : AJMAL

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Revision Number : R01

File Name : HS-33-601R01.dwg

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All dimensions to be checked on site.  
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