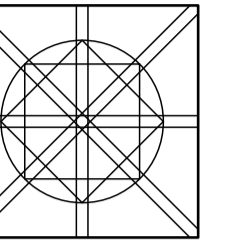


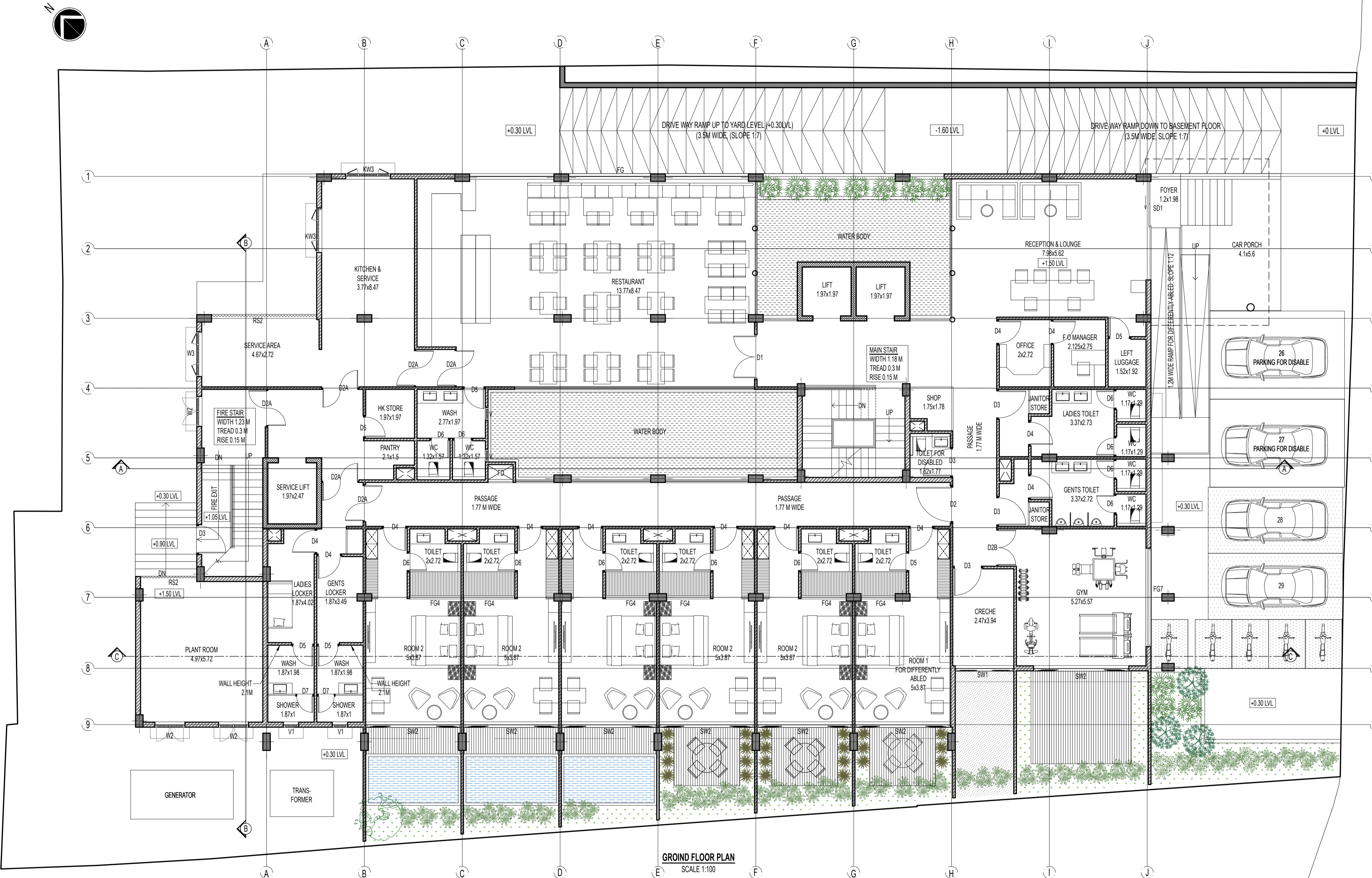
BOUTIQUE HOTEL AT SHANGHUMUGHAM

ARCHITECTURAL DRAWINGS



Notes:
All representation in the drawing are the properties of KUMARGROUP TOTAL DESIGNERS and cannot be copied with out written permission from Kumar Group

All dimensions are in CM



GROUND FLOOR PLAN
SCALE 1:100

TO SHANGHUMUGHAM

CORPORATION ROAD 8M WIDE

First issued: Drawn: Ammu
Friday, May 17, 2024

Project title
PROPOSED BOUTIQUE HOTEL AT SHANGHUMUGHAM

Job no: KGC/ACH/3364/23

Architect: Ar.ASWIN CHAND

Signature: MR. VIMAL VIJAYAKUMAR
Client:

Signature:
Service Consultants:
1)Structural: --
2)Plumbing: --
3)Electrical: --
4)Fire: --
5)Hvac: --

Discipline: ARCHITECTURE

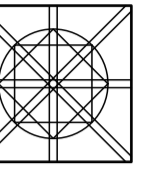
Stage: WORKING DRAWING

Scale: SCALE 1:100

Drg Title
FLOOR PLAN
GROUND FLOOR

Drg. no
A-BHS-0-201-R0

REV NO: 00



Notes:
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All dimensions are in CM

First issued: Friday, May 17, 2024
Drawn: Annu

Project title
PROPOSED BOUTIQUE HOTEL AT SHANGHUMUGHAM

Job no: KGC/ACH/3364/23
Architect: Ar. ASWIN CHAND

Signature: _____
Client: MR. VIMAL VIJAYAKUMAR

Service Consultants:
1) Structural: --
2) Plumbing: --
3) Electrical: --
4) Fire: --
5) Hvac: --

Discipline: ARCHITECTURE

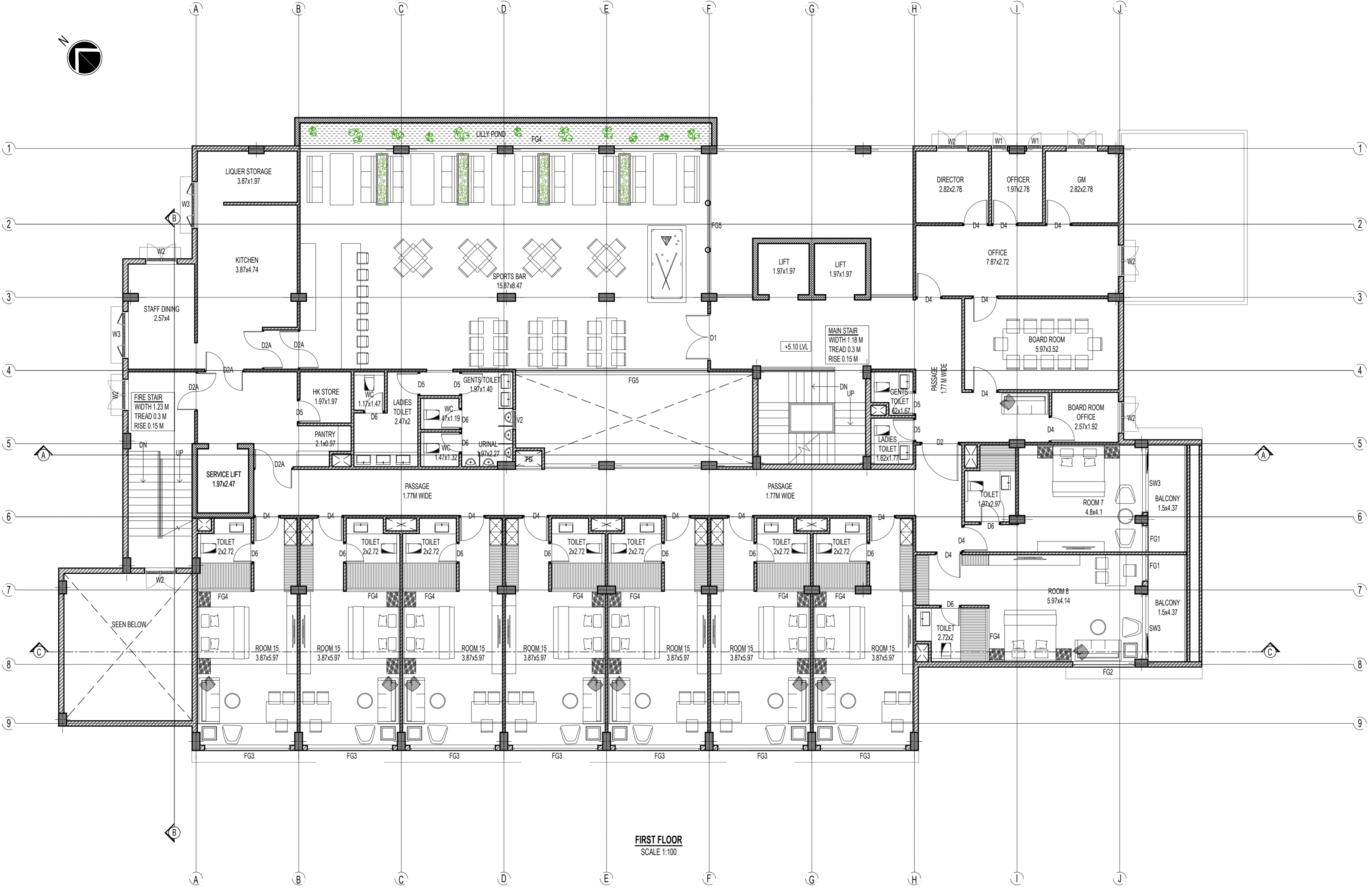
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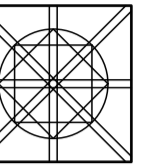
Dwg. Title
FLOOR PLAN
FIRST FLOOR

Dwg. no: A-BHS-202-R0

REV NO: 00



FIRST FLOOR
SCALE 1:100



Notes:
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All dimensions are in CM

First issued: 17 May 2024 Drawn: Ammu

Project title

**PROPOSED
BOUTIQUE HOTEL
AT
SHANGHUMUGHAM**

Job no: KGC/ACH/3364/23

Architect: Ar. ASWIN CHAND

Signature: _____
Client: MR. VIMAL VIJAYAKUMAR

Signature: _____
Service Consultants:
1) Structural: --
2) Plumbing: --
3) Electrical: --
4) Fire: --
5) Hvac: --

Discipline: ARCHITECTURE

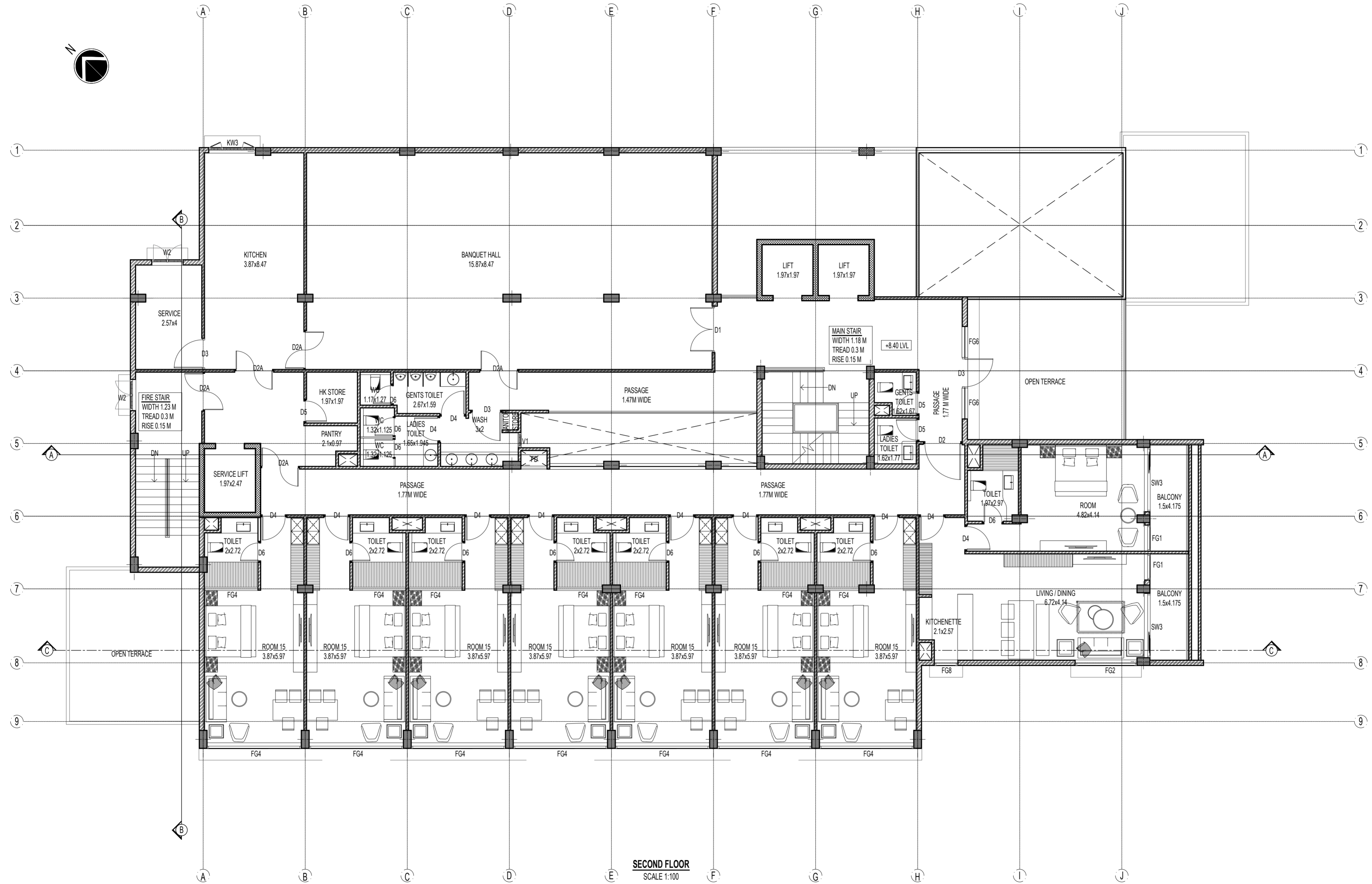
Stage: WORKING DRAWING

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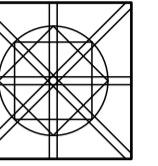
Dwg. Title: FLOOR PLAN
SECOND FLOOR

Dwg. no: A-BHS-203-R0

REV NO: 00

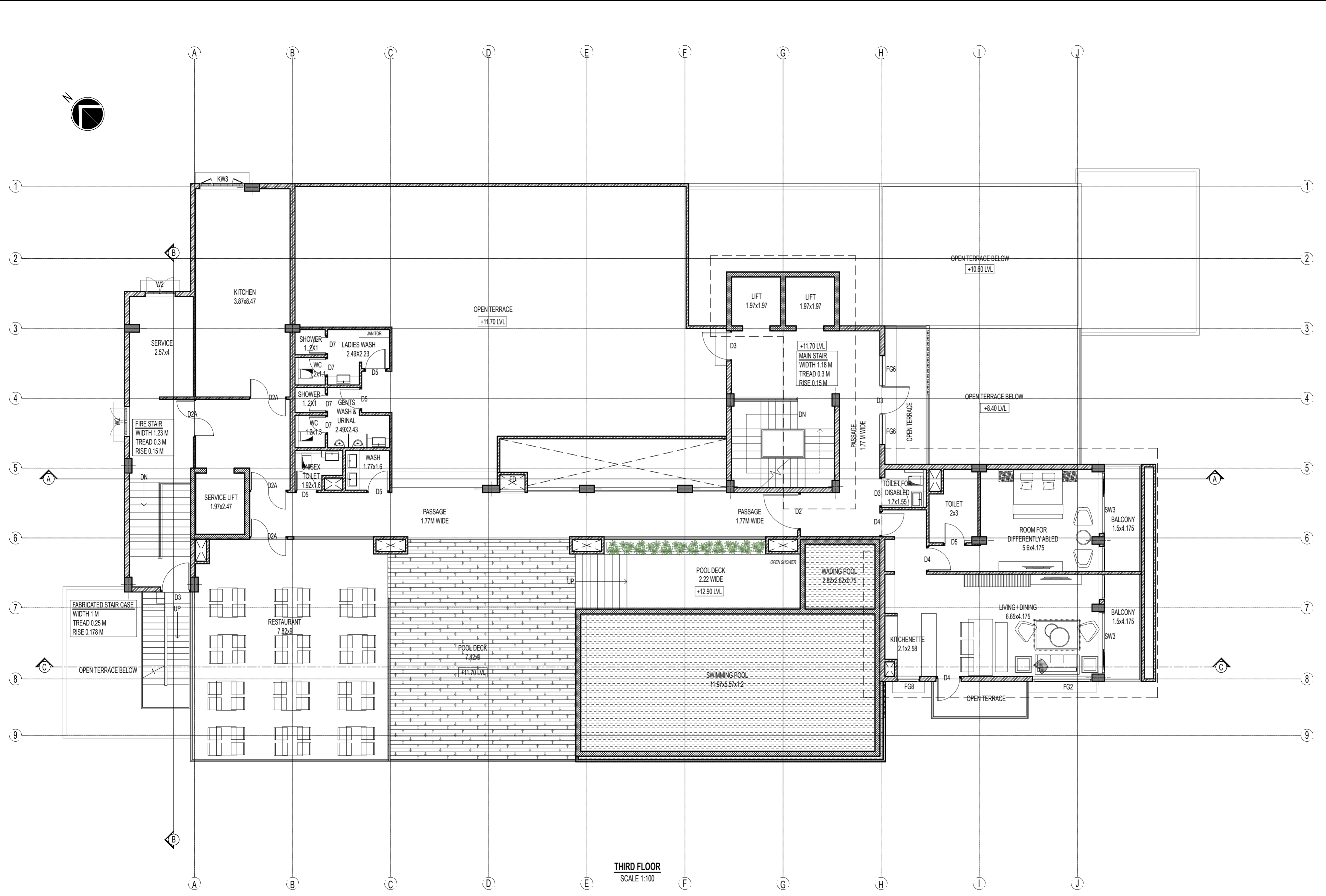


SECOND FLOOR
SCALE 1:100



Notes:
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All dimensions are in CM



THIRD FLOOR
SCALE 1:100

First issued: Friday, May 17, 2024
Drawn: Ammu

Project title
PROPOSED BOUTIQUE HOTEL AT SHANGHUMUGHAM

Job no: KGC/ACH/3364/23
Architect: Ar. ASWIN CHAND

Signature
Client: MR. VIMAL VIJAYAKUMAR

Service Consultants:
1/Structural: --
2/Plumbing: --
3/Electrical: --
4/Fire: --
5/Hvac: --

Discipline: ARCHITECTURE

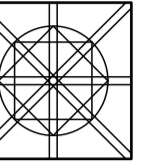
Stage: WORKING DRAWING

Scale: SCALE 1:100

Drig. Title
FLOOR PLAN
THIRD FLOOR

Drig. no
A-BHS-204-R0

REV NO: 00



Notes:
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All dimensions are in CM

First issued: Drawn: Ammu

Friday, May 17, 2024

Project title

**PROPOSED
BOUTIQUE HOTEL
AT
SHANGHUMUGHAM**

Job no: KGC/ACH/3364/23

Architect: Ar. ASWIN CHAND

Signature

Client: MR. VIMAL VIJAYAKUMAR

Signature

Service Consultants:

1/Structural: --

2/Plumbing: --

3/Electrical: --

4/Fire: --

5/Hvac: --

Discipline: ARCHITECTURE

Stage: WORKING DRAWING

Scale: SCALE 1:100

Drig Title

FLOOR PLAN

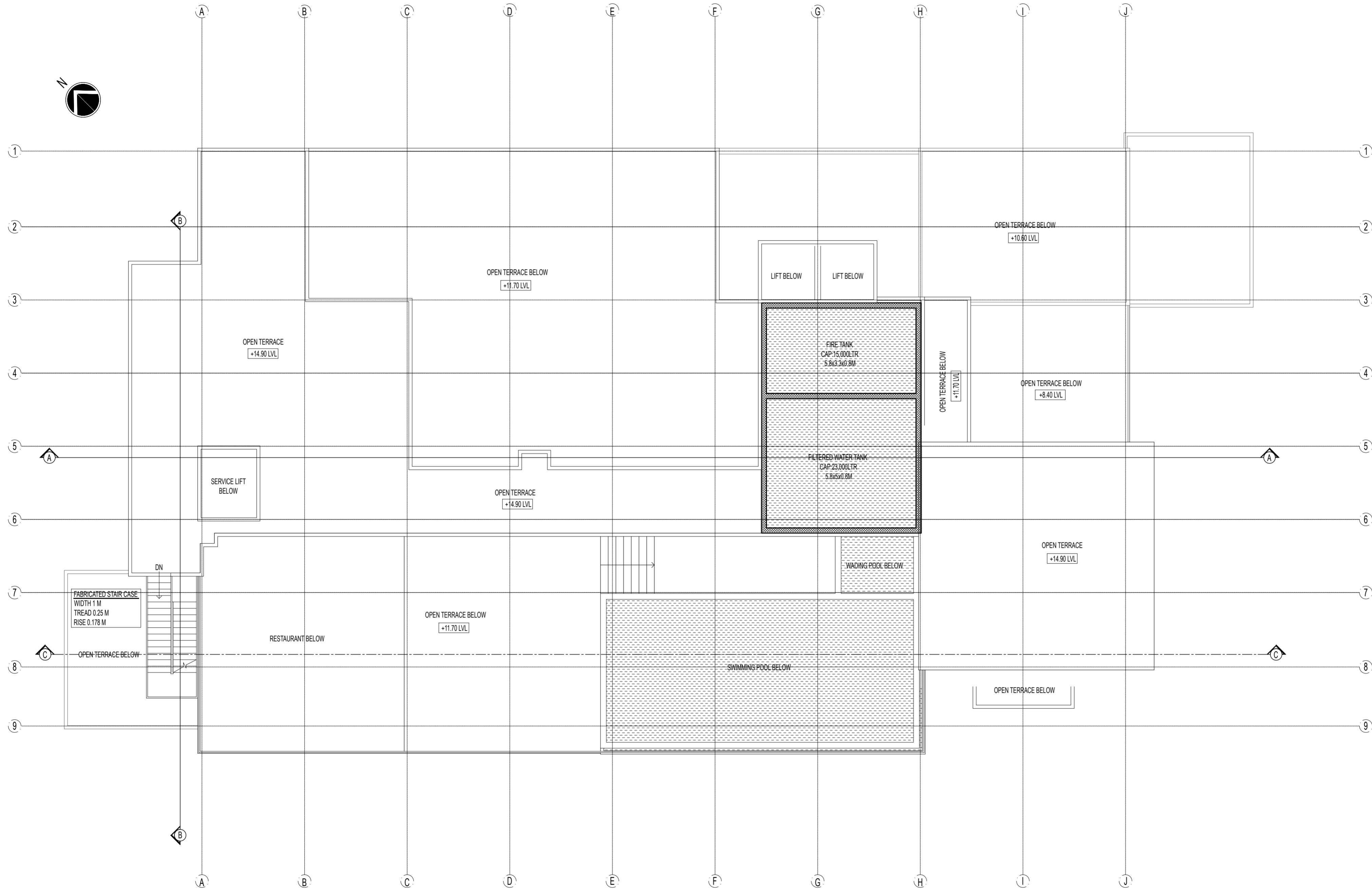
TERRACE PLAN AT TANK LEVEL

Drig. no

A-BHS-205-R0

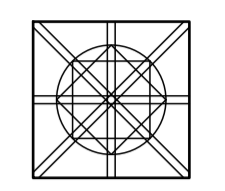
REV NO:

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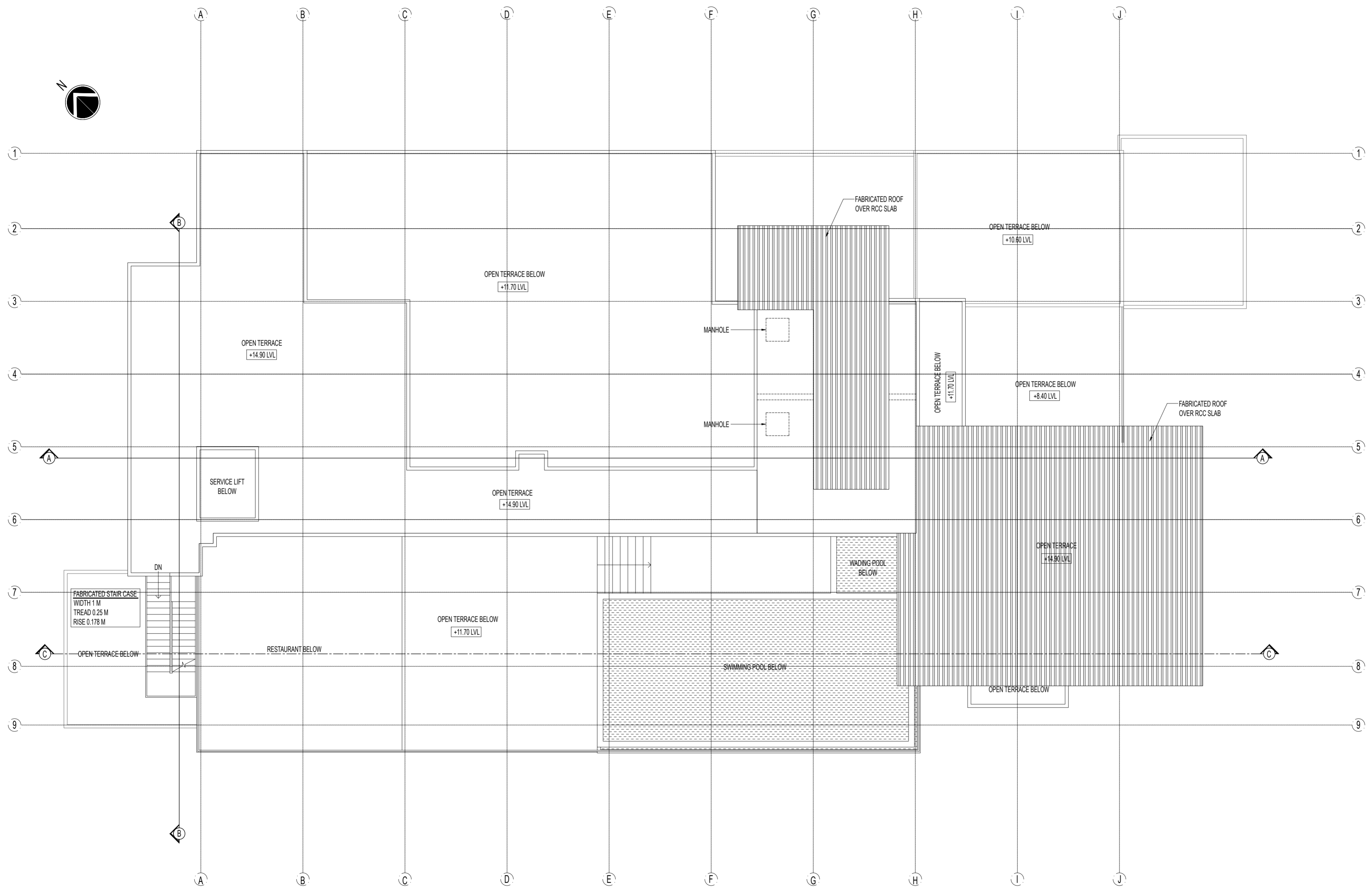
TERRACE PLAN AT TANK LEVEL
SCALE 1:100

PRINTED DATE : 17 May 2024



Notes:
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All dimensions are in CM



TERRACE PLAN AT ROOF LEVEL
 SCALE 1:100

First issued: Friday, May 17, 2024
 Drawn: Annu

Project title
PROPOSED BOUTIQUE HOTEL AT SHANGHUMUGHAM

Job no: KGC/ACH/3364/23
 Architect: Ar. ASWIN CHAND

Signature: _____
 Client: MR. VIMAL VIJAYAKUMAR

Signature: _____
 Service Consultants:
 1) Structural: --
 2) Plumbing: --
 3) Electrical: --
 4) Fire: --
 5) Hvac: --

Discipline: ARCHITECTURE

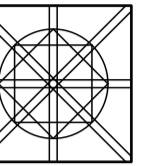
Stage: WORKING DRAWING

Scale: SCALE 1:100

Drig. Title
 FLOOR PLAN
 TERRACE PLAN AT ROOF LEVEL

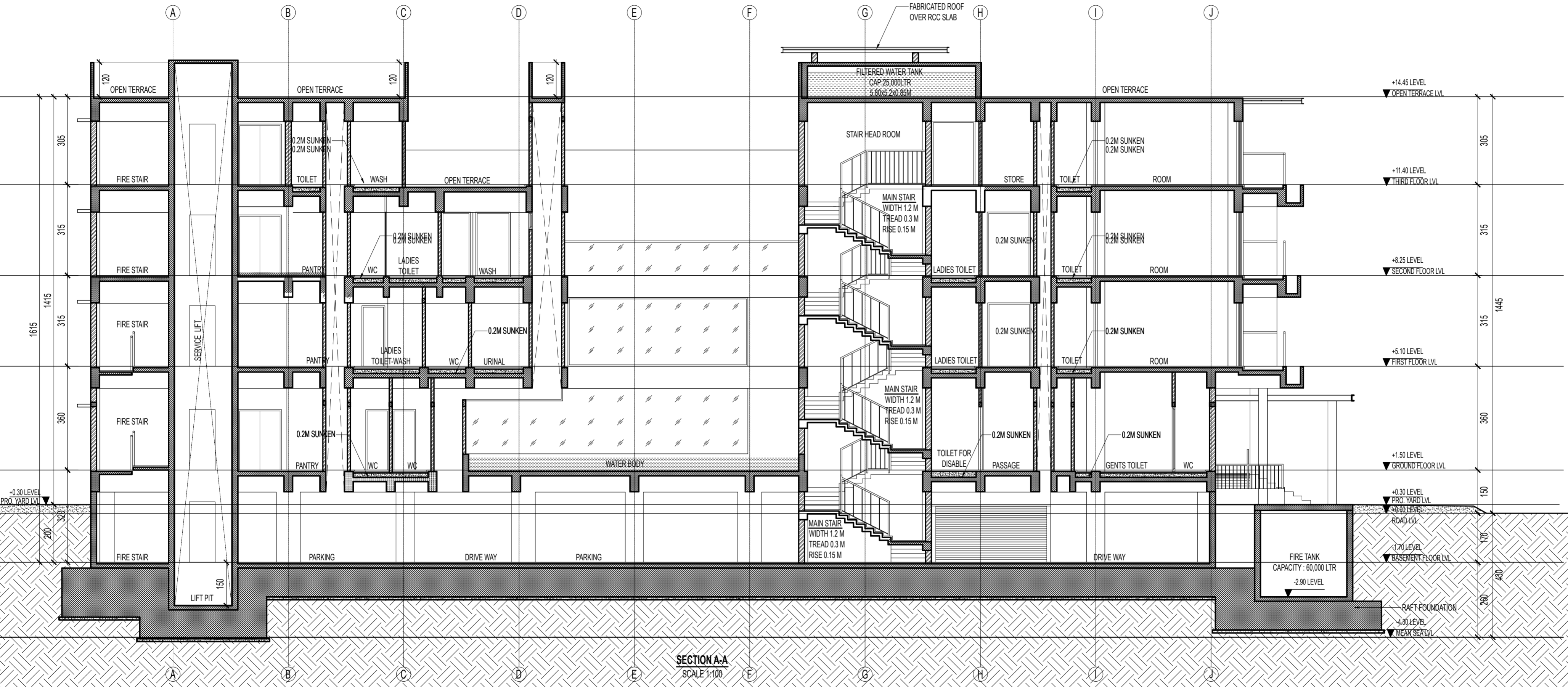
Drig. no
 A-BHS-206-R0

REV NO: 00



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All dimensions are in CM



SECTION A-A
SCALE 1:100

First issued: Friday, May 17, 2024
Drawn: Annu

Project title
PROPOSED BOUTIQUE HOTEL AT SHANGHUMUGHAM

Job no: KGC/ACH/3364/23
Architect: Ar. ASWIN CHAND

Signature: _____
Client: MR. VIMAL VIJAYAKUMAR

Signature: _____
Service Consultants:
1) Structural: -
2) Plumbing: -
3) Electrical: -
4) Fire: -
5) Hvac: -

Discipline: ARCHITECTURE

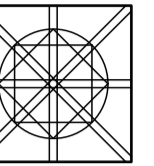
Stage: WORKING DRAWING

Scale: SCALE 1:100

Discipline: SECTION A-A

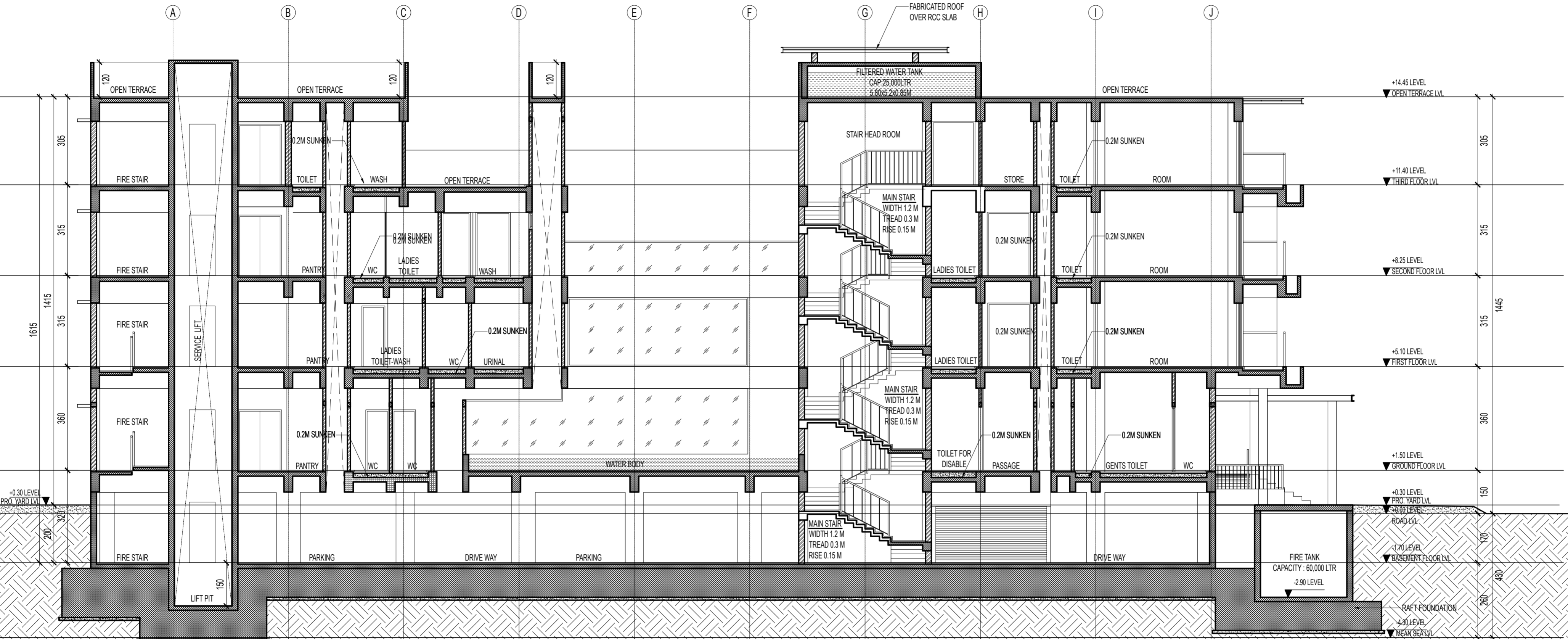
Discipline: A-BHS-300-R0

REV NO: 00



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All dimensions are in CM



SECTION A-A
SCALE 1:100

First issued: Friday, May 17, 2024
Drawn: Annu

Project title
PROPOSED BOUTIQUE HOTEL AT SHANGHUMUGHAM

Job no: KGC/ACH/3364/23

Architect: Ar. ASWIN CHAND

Signature: MR. VIMAL VIJAYAKUMAR
Client

- Signature: _____
- Service Consultants:
- 1) Structural: _____
 - 2) Plumbing: _____
 - 3) Electrical: _____
 - 4) Fire: _____
 - 5) Hvac: _____

Discipline: ARCHITECTURE

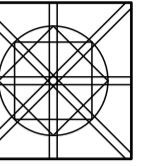
Stage: WORKING DRAWING

Scale: SCALE 1:100

Drig. Title: SECTION A-A

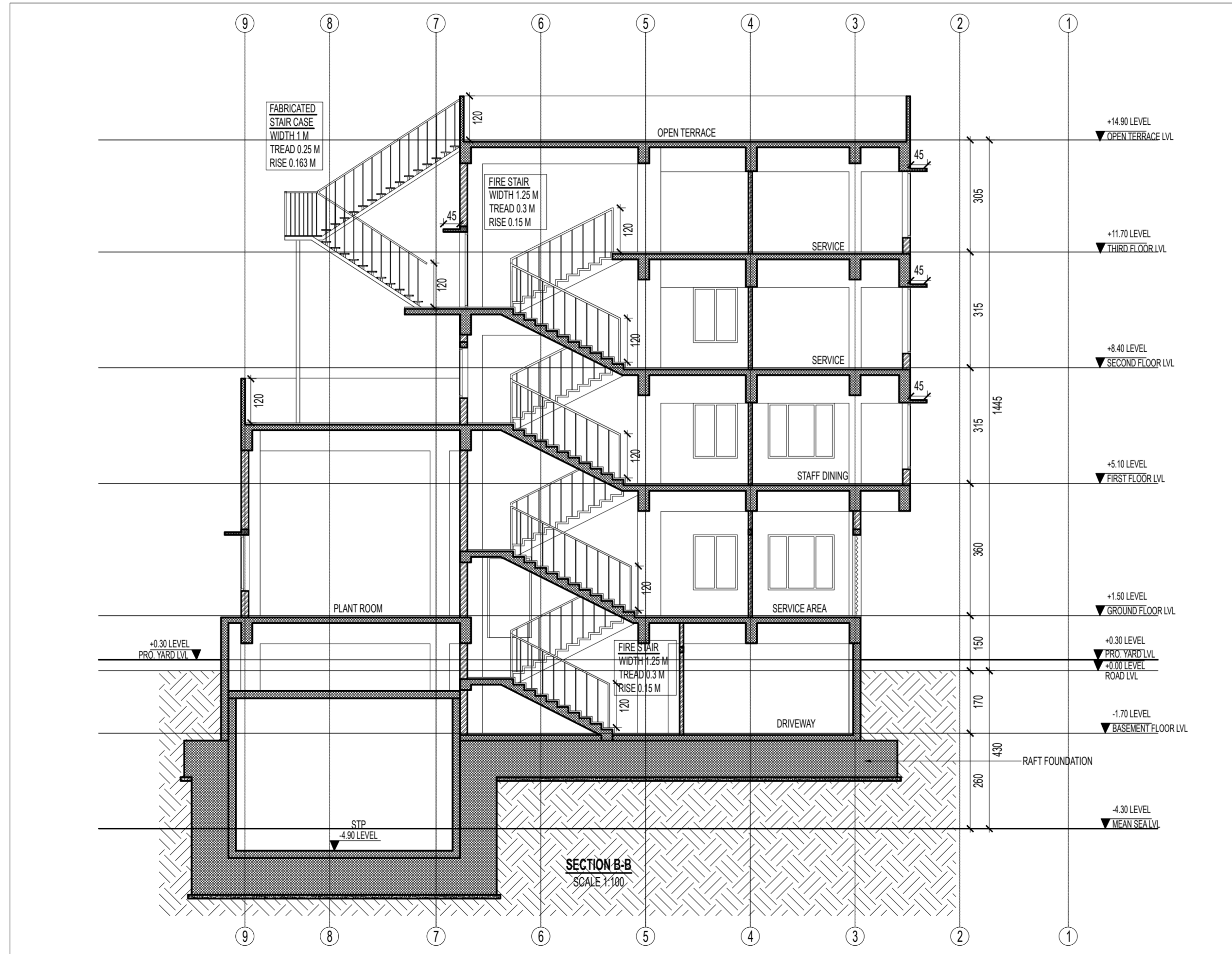
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REV NO: 00



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First issued: Friday, May 17, 2024
Drawn: Ammu

Project title
PROPOSED BOUTIQUE HOTEL AT SHANGHUMUGHAM

Job no: KGC/ACH/3364/23

Architect: Ar. ASWIN CHAND

Signature: _____
Client: MR. VIMAL VIJAYAKUMAR

Signature: _____

Service Consultants:

- 1) Structural: _____
- 2) Plumbing: _____
- 3) Electrical: _____
- 4) Fire: _____
- 5) Hvac: _____

Discipline: ARCHITECTURE

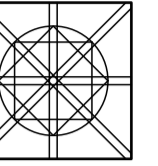
Stage: WORKING DRAWING

Scale: SCALE 1:100

Drig. Title: SECTION A-A

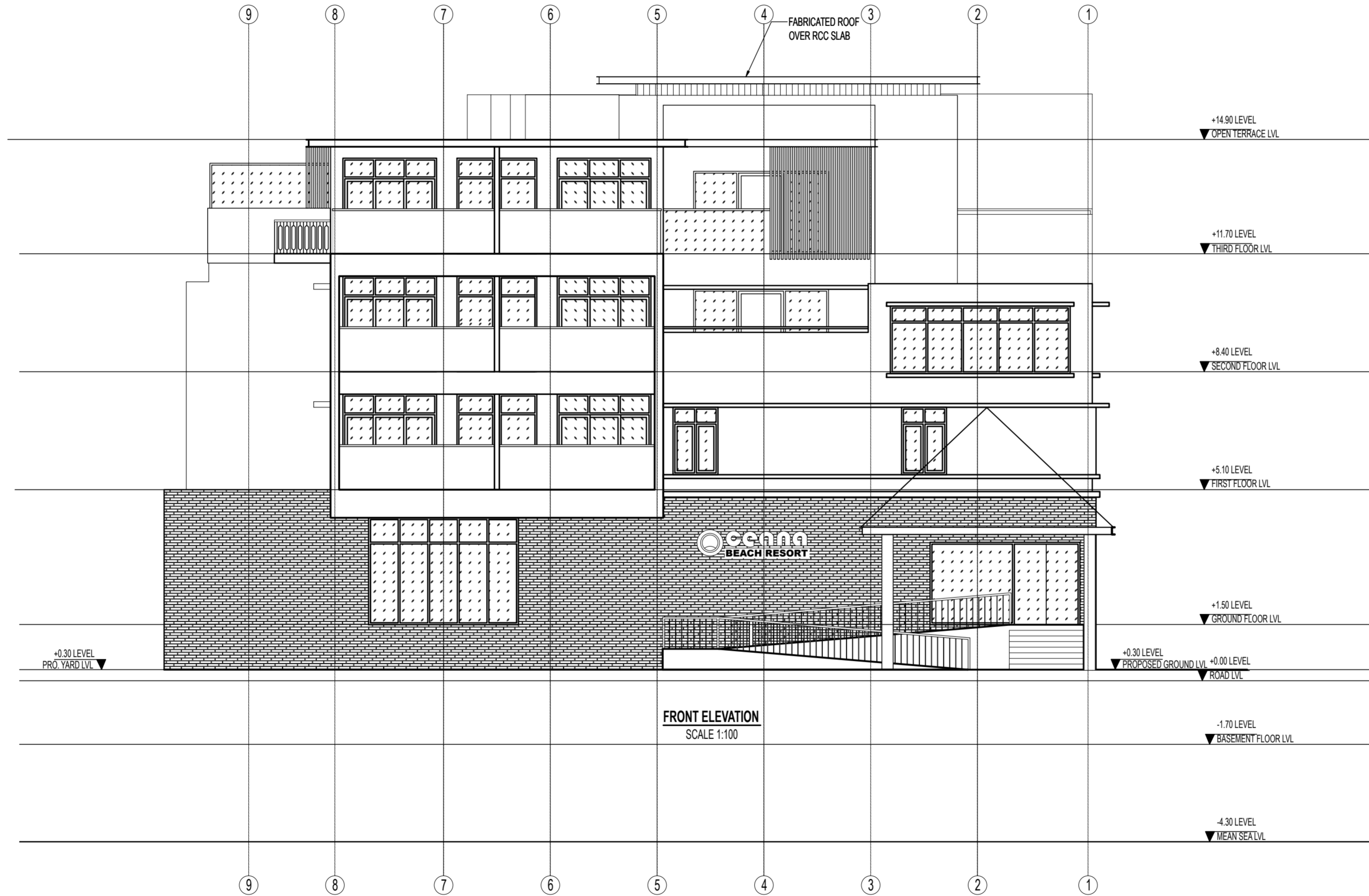
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REV NO: 00



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FRONT ELEVATION
SCALE 1:100

First issued: Friday, May 17, 2024 Drawn: Ammu

Project title

**PROPOSED
BOUTIQUE HOTEL
AT
SHANGHUMUGHAM**

Job no: KGC/ACH/3364/23

Architect : Ar. ASWIN CHAND

Signature :
Client : MR. VIMAL VIJAYAKUMAR

Signature :
Service Consultants:
1) Structural: --
2) Plumbing: --
3) Electrical: --
4) Fire: --
5) Hvac: --

Discipline: ARCHITECTURE

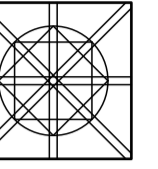
Stage: WORKING DRAWING

Scale: SCALE 1:100

Drig. Title
ELEVATION
FRONT ELEVATION

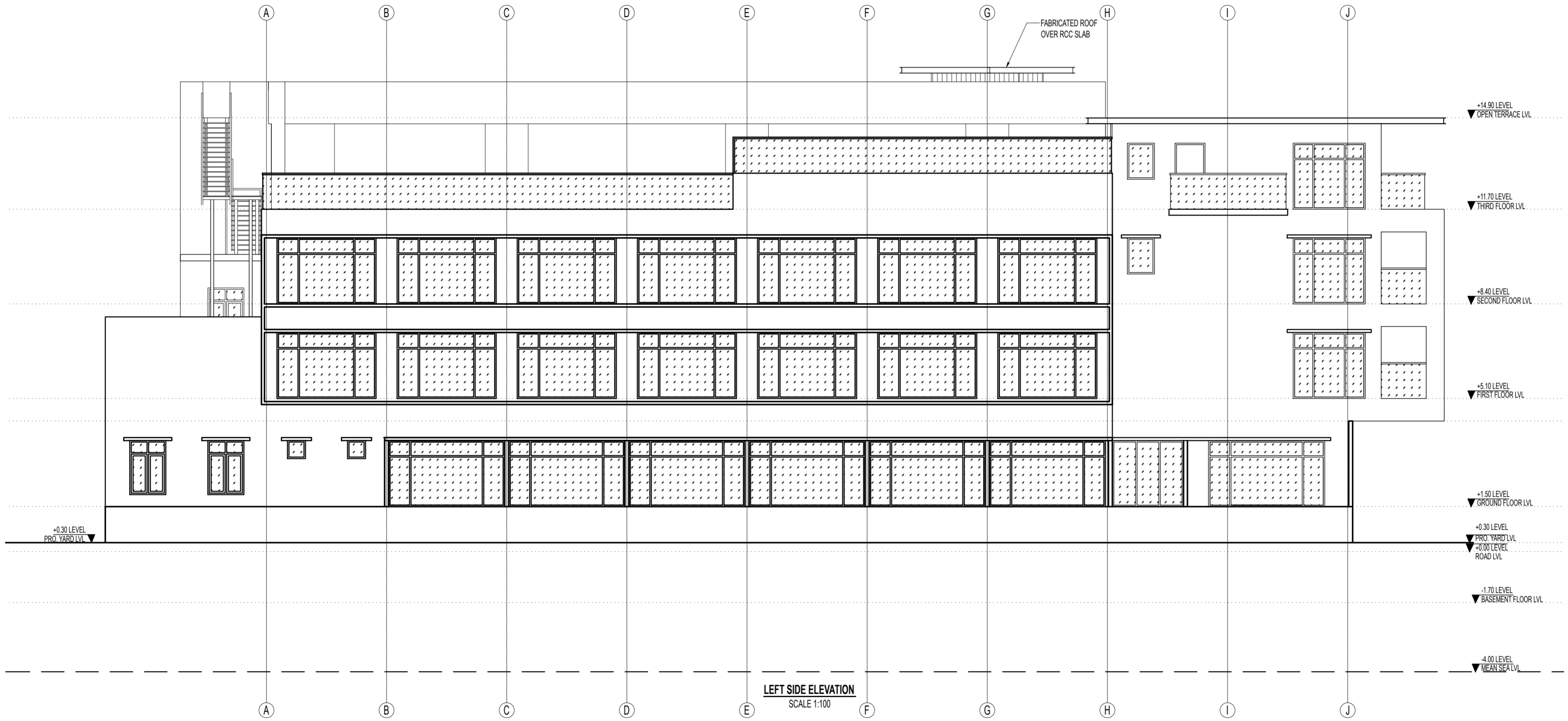
Drig. no
A-BHS-400-R0

REV NO: 00



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All dimensions are in CM



First issued: Friday, May 17, 2024
Drawn: Ammu

Project title
**PROPOSED
BOUTIQUE HOTEL
AT
SHANGHUMUGHAM**

Job no: KGC/ACH/3364/23
Architect: Ar. ASWIN CHAND

Signature: _____
Client: MR. VIMAL VIJAYAKUMAR

Signature: _____
Service Consultants:
1) Structural: --
2) Plumbing: --
3) Electrical: --
4) Fire: --
5) Hvac: --

Discipline: ARCHITECTURE

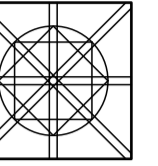
Stage: WORKING DRAWING

Scale: SCALE 1:100

Drig Title
ELEVATION
LEFT SIDE ELEVATION

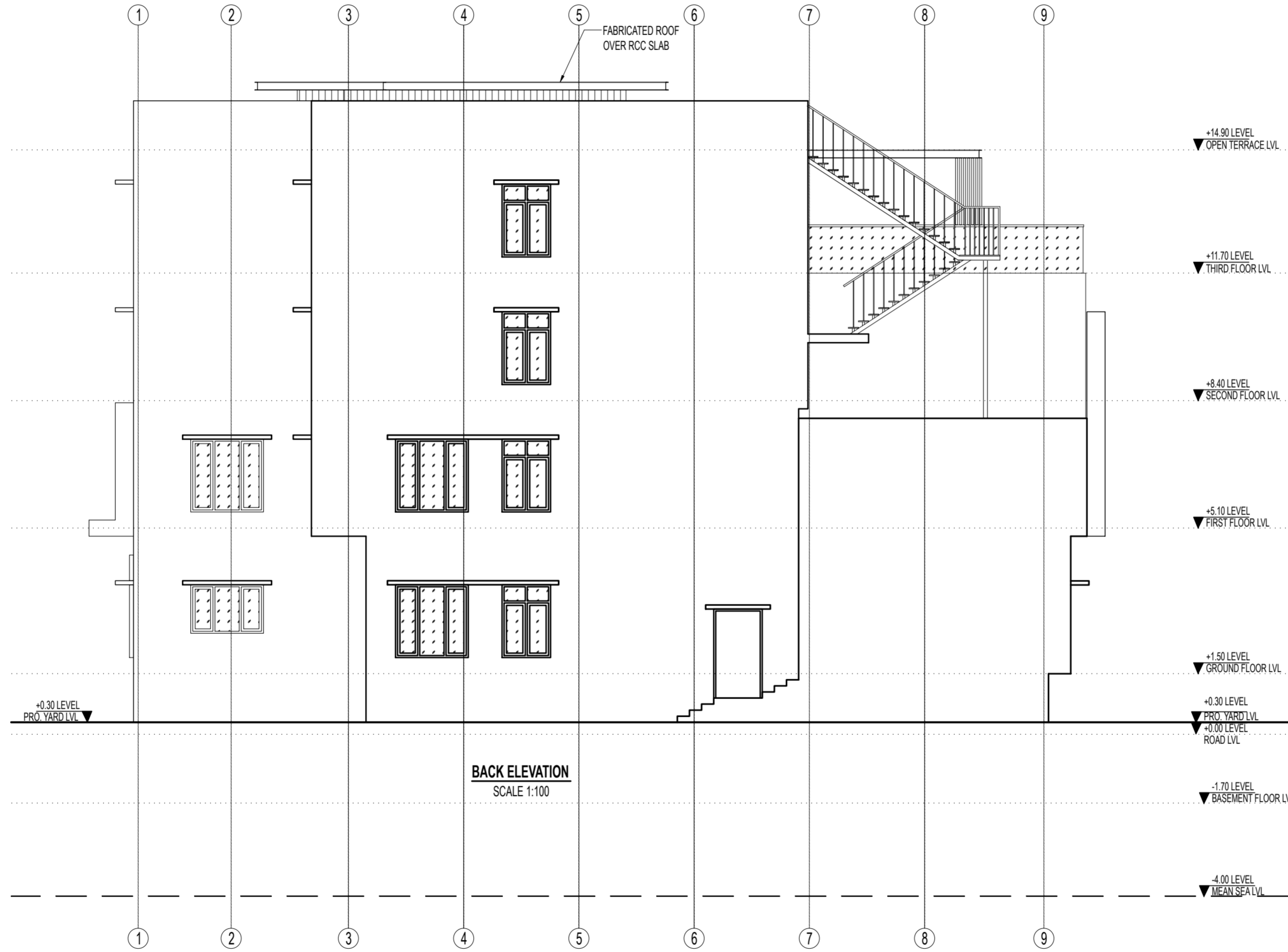
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A-BHS-401-R0

REV NO: 00



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First issued: Friday, May 17, 2024 Drawn: Ammu

Project title
PROPOSED BOUTIQUE HOTEL AT SHANGHUMUGHAM

Job no: KGC/ACH/3364/23

Architect: Ar. ASWIN CHAND

Signature: MR. VIMAL VIJAYAKUMAR
Client: MR. VIMAL VIJAYAKUMAR

Signature:
Service Consultants:
1) Structural: --
2) Plumbing: --
3) Electrical: --
4) Fire: --
5) Hvac: --

Discipline: ARCHITECTURE

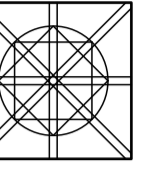
Stage: WORKING DRAWING

Scale: SCALE 1:100

Drig. Title: ELEVATION BACK ELEVATION

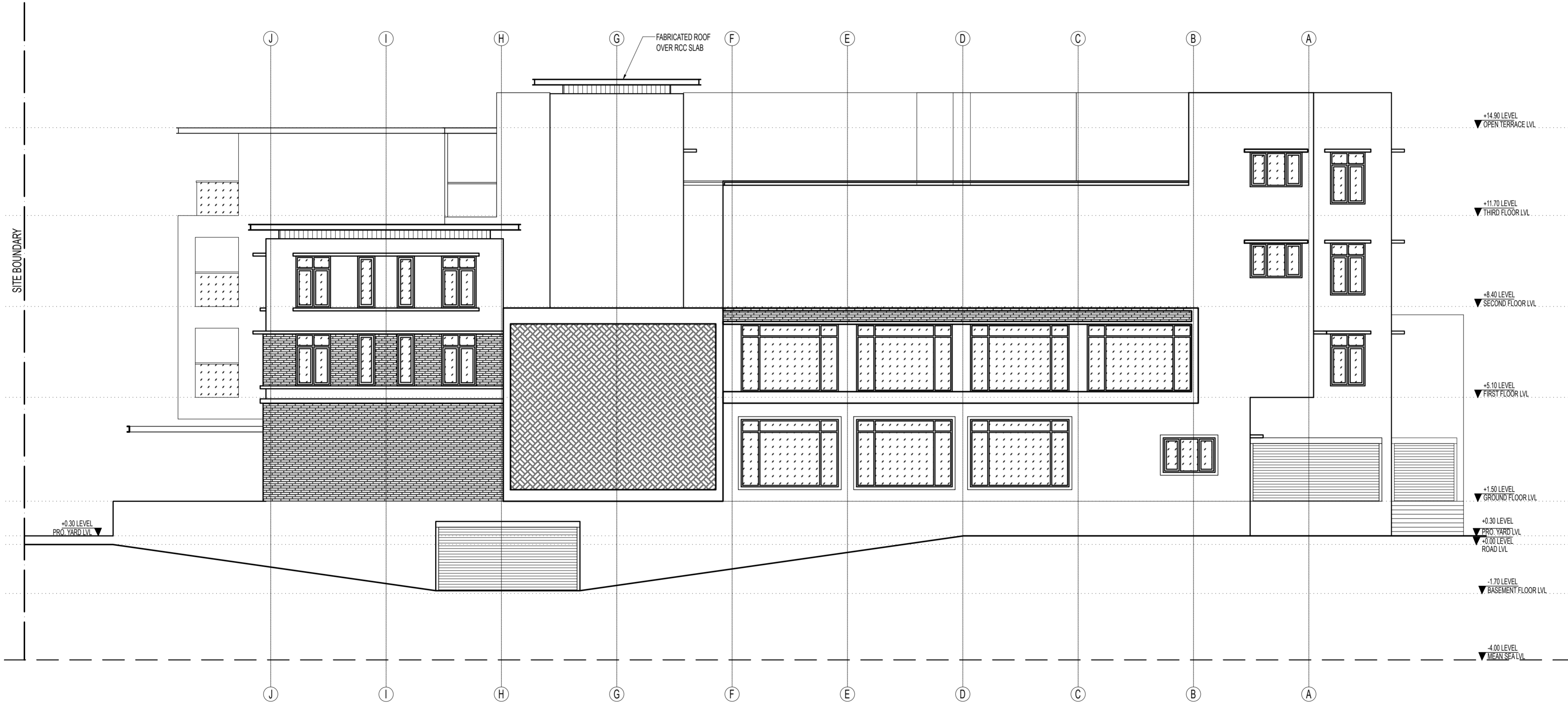
Drig. no: A-BHS-402-R0

REV NO: 00



Notes:
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RIGHT SIDE ELEVATION
SCALE 1:100

First issued: Friday, May 17, 2024
Drawn: Ammu

Project title
PROPOSED BOUTIQUE HOTEL AT SHANGHUMUGHAM

Job no: KGC/ACH/3364/23

Architect: Ar. ASWIN CHAND

Signature: _____
Client: MR. VIMAL VIJAYAKUMAR

Signature: _____
Service Consultants:
1) Structural: --
2) Plumbing: --
3) Electrical: --
4) Fire: --
5) Hvac: --

Discipline: ARCHITECTURE

Stage: WORKING DRAWING

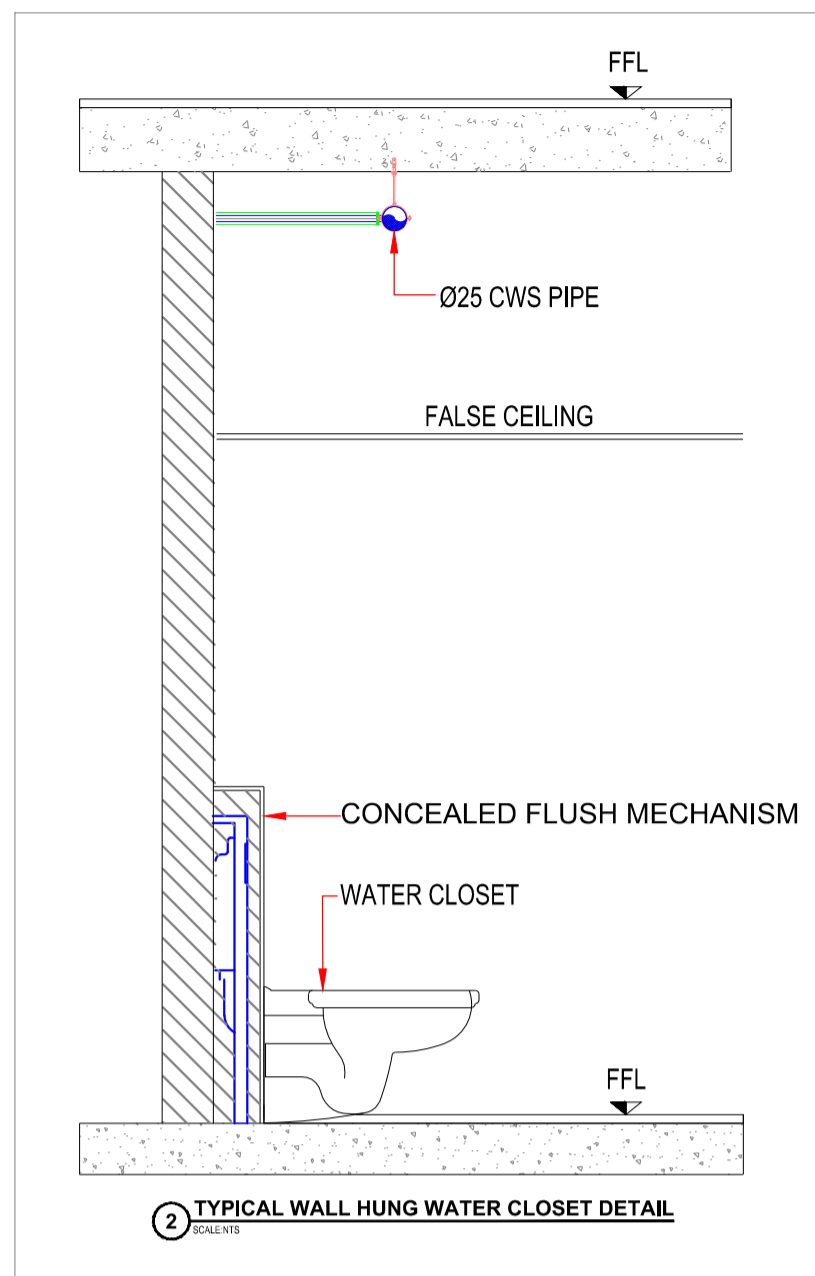
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Drig. Title: ELEVATION RIGHT SIDE ELEVATION

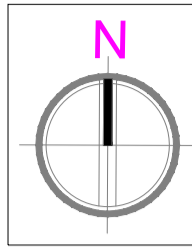
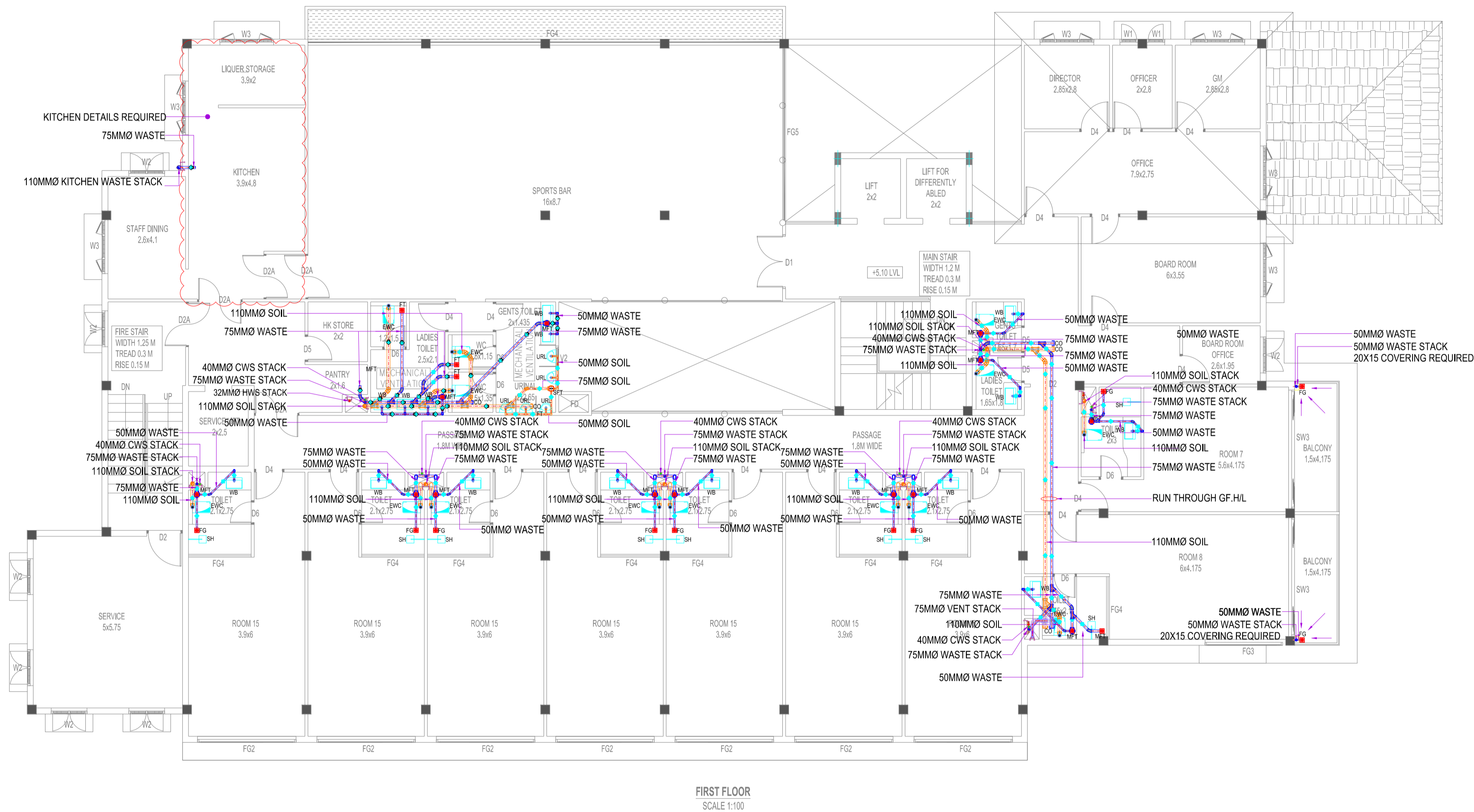
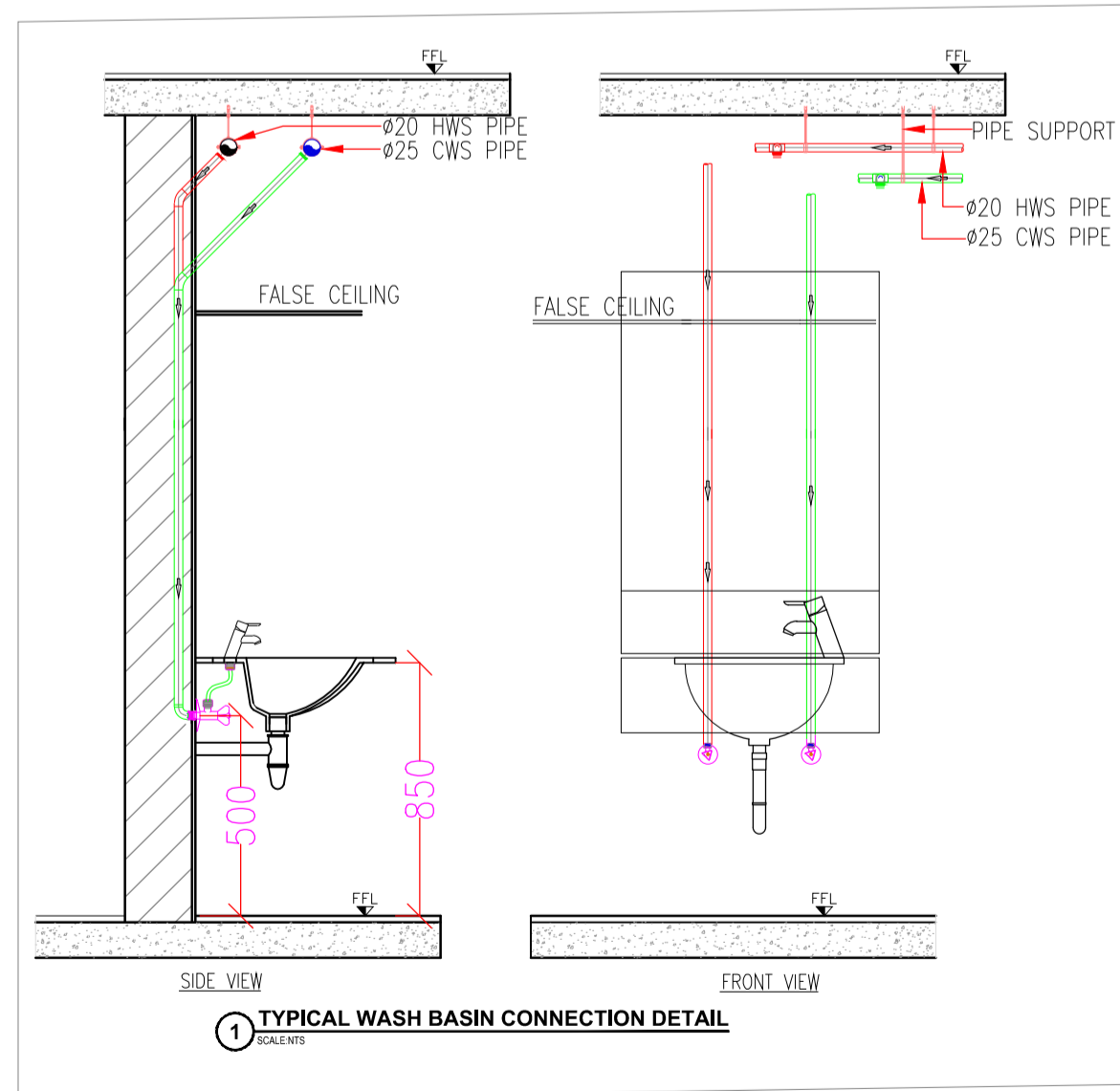
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REV NO: 00

PLUMBING DRAWINGS



MAXIMUM SUPPORT SPACING		MAXIMUM SUPPORT SPACING	
SIZE (MM)	SIZE (INCH)	HORIZONTAL (M)	VERTICAL (M)
15	3/4"	0.60	1.20
20	3/4"	0.70	1.40
25	1"	0.75	1.50
32	1 1/2"	0.85	1.70
40	1 1/2"	0.90	1.80
50	2"	1.05	2.10
63	2 1/2"	1.20	2.40
75	3"	1.35	2.70
90	3 1/2"	1.35	2.80
100	4"	1.50	3.00
130	5"	1.70	3.40



SPECIAL NOTES
 ALL THE WALL THICKNESSES ARE 20cm AND 13cm (UNLESS SPECIFIED)
 DIMENSIONS SHALL NOT BE MEASURED DIRECTLY FROM THIS DRAWINGS. FOLLOW ONLY WRITTEN DIMENSIONS.
 ALL HEIGHTS ARE MEASURED FROM FINISHED FLOOR LEVEL. REFER STRUCTURAL DRAWINGS FOR STRUCTURAL DETAILS.
 FOLLOW ARCHITECTURAL DRAWING FOR DIMENSIONS, LEVELS, AND DETAILS.
 ALL DIMENSIONS ARE IN CENTIMETRES (UNLESS SPECIFIED)

LEGENDS & ABBREVIATIONS

ISOLATING VALVE/GATE VALVE	ISOLATING VALVE/GATE VALVE
PRESSURE REDUCING VALVE	PRESSURE REDUCING VALVE
CWS	COLD WATER SUPPLY
GCWS	GRAVITY COLD WATER SUPPLY
HWS	HOT WATER SUPPLY
HB	HOSE BIB
HF	HEALTH FUACET
TP	TOILET PAPER HOLDER
KS	KITCHEN SINK
NRV	NON-RETURN VALVE/CHECK VALVE
EWC	WATER CLOSET
WB	WASH BASIN
WM	WASHING MACHINE
IL	INVERT LEVEL
SH	SHOWER
FT	FLOOR TRAP
MFT	MULTY FLOOR TRAP
SD	SOAP DISH
MH	MANHOLE
GT	GULLY TRAP
CB	CATCH BASIN
FCL	FINISH CEILING LEVEL
WH	WATER HEATER
CDP	CONDENSATE PIPE
HWR	HOT WATER RETURN

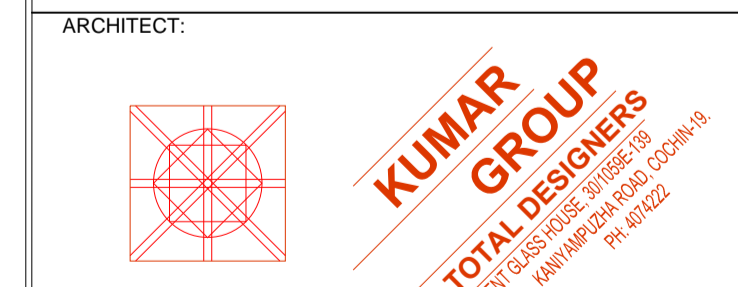
REFER DRAWINGS-
 a) ARCH. SITE PLAN
 b) SECTIONAL DETAILS

REV.NO.	DATE	DESCRIPTION	DRAWN
01	09-02-2024	AS PER ARC COMMENTS	AMN
00	30-12-2023	FOR ARC APPROVAL	AML

CLIENT: KUMAR GROUP
 PROJECT: HOTEL PROJECT @ SHANGUMUGHAM

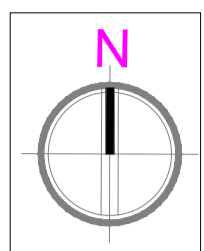
DRAWING TITLE: PLUMBING
 FIRST FLOOR DRAINAGE LAYOUT

SCALE:	1:100	DRAWING NO.:	P191/CTA/KG/TVM/DR-03
DATE:	10-08-2023	CHECKED:	BEN
DRAWN:	AML		



MEP CONSULTANTS:
COMTECH ASSOCIATES
 MEP CONSULTANTS
 1st Floor, Easwari Estate
 Chokkikulam Road, Madhavaram
 Chennai - 600 030
 Phone: 9495-3991437 Mob: 9895-020509
 BRANGLI
 Third Floor, 1st Floor
 V.M.C.A. Cross Road
 V.M.C.A. Colony, Chennai - 600 001
 E-mail: comtechmepeaswari@gmail.com
 comtechmepe@gmail.com

DESCRIPTION	PIPE(PUMPING LINES)	PIPE(CWS & HWS)	INTERNAL PIPE(DRAIN)	DUCT PIPE (VENT/RWP)	DUCT PIPE (SOIL/WASTE)	VALVES	SUPPORTS	C.P FITTINGS	GRATINGS	SANITARY FITTINGS
BRANDS	SHE-80,SHE-40 PIPES/SUPREME, ASTRAL	CPVC PIPE/ ASTRAL	UPVC(P/ashed) SUPREME/ ASTRAL	UPVC (Ring) SUPREME/ ASTRAL	UPVC (Ring) SUPREME/ FINOLEX/ASTRAL	UP TO 50MM FORGED BRASS BALL VALVE WITH SCREWED ENDS	FIXOTECH / HITECH	JAQUAR / TOTTO	ACO / GEBERT	TOTTO KOHLER /JAQUAR
STANDARD	ASTM SH.80/ PN 16 FITTINGS	SDR 11 FITTINGS	IS 4985 8Kg/CM2	IS 4985 4Kg/CM2	IS 4985 6Kg/CM2	BUTTERFLY VALVE(S/C) INTERVALVE/AUDCO/LEADER	---	---	S.S 316	---
TEST PRESSURE	15Kg/CM2	15Kg/CM2	2MTR/HEAD	2MTR/HEAD	2MTR/HEAD	10kg/cm2	---	10kg/cm2	S.S WITH HEAVY DUTY	---



SPECIAL NOTES:
 ALL THE WALL THICKNESSES ARE 20cm AND 15cm (UNLESS SPECIFIED)
 DIMENSIONS SHALL NOT BE MEASURED DIRECTLY FROM THIS DRAWINGS. FOLLOW ONLY WRITTEN DIMENSIONS.
 ALL HEIGHTS ARE MEASURED FROM FINISHED FLOOR LEVEL.
 REFER STRUCTURAL DRAWINGS FOR STRUCTURAL DETAILS.
 FOLLOW ARCHITECTURAL DRAWING FOR DIMENSIONS, LEVELS, AND DETAILS.
 ALL DIMENSIONS ARE IN CENTIMETRES (UNLESS SPECIFIED)

LEGENDS & ABBREVIATIONS

	ISOLATING VALVE/BALL VALVE
	PRESSURE REDUCING VALVE
CWS	COLD WATER SUPPLY
HWS	HOT WATER SUPPLY
HB	HOSE BIB
HF	HEALTH FUACET
TP	TOILET PAPER HOLDER
KS	KITCHEN SINK
NRV	NON-RETURN VALVE/CHECK VALVE
EWC	WATER CLOSET
WB	WASH BASIN
WM	WASHING MACHINE
IL	INVERT LEVEL
SH	SHOWER
FT	FLOOR TRAP
MFT	MULTY FLOOR TRAP
SD	SOAP DISH
MH	MANHOLE
GT	GULLY TRAP
CB	CATCH BASIN
FCL	FINISH CEILING LEVEL
FFL	FINISH FLOOR LEVEL
WH	WATER HEATER
CDP	CONDENSATE PIPE
HWR	HOT WATER RETURN

REFER DRAWINGS:-
 a) ARCH. SITE PLAN
 b) SECTIONAL DETAILS

01	09-02-2024	AS PER ARC COMMENTS	AMN
00	30-12-2023	FOR ARC APPROVAL	AML
REV.NO.	DATE	DESCRIPTION	DRAWN

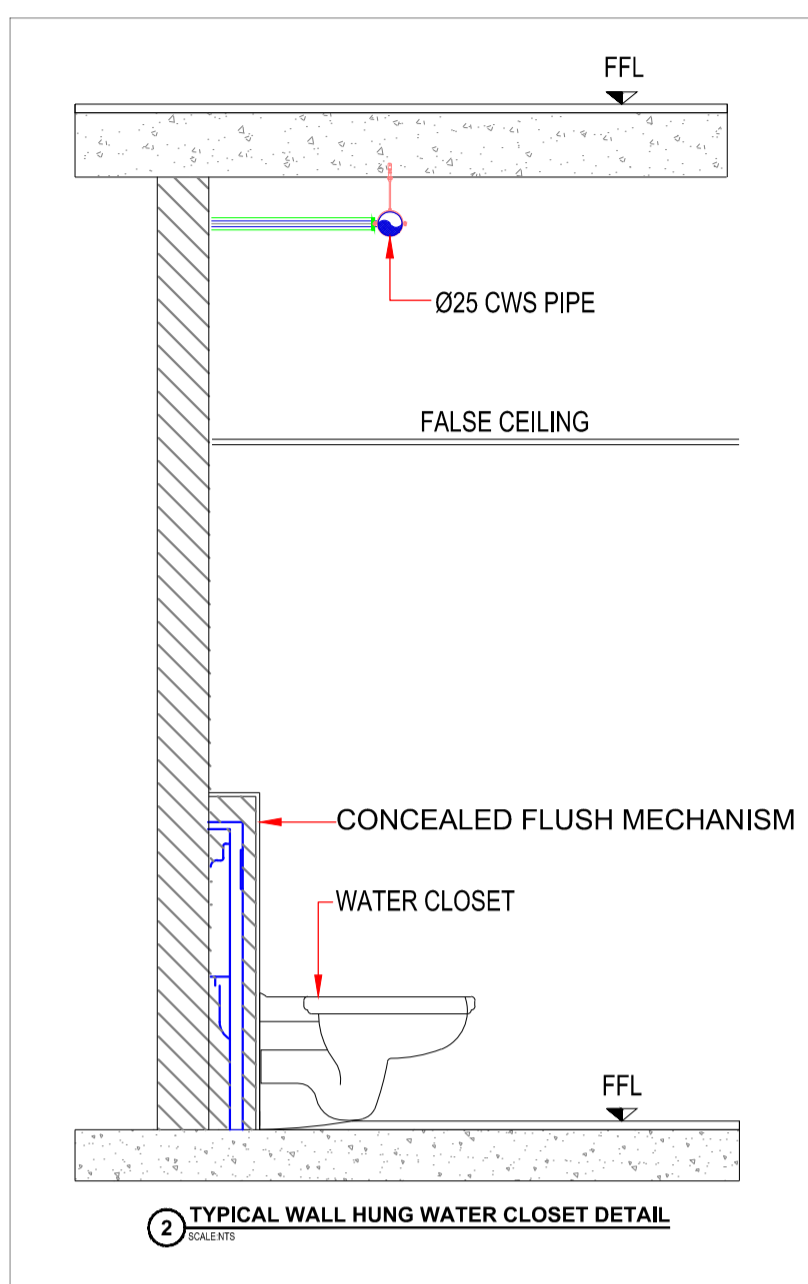
CLIENT: KUMAR GROUP
 PROJECT: HOTEL PROJECT @ SHANGUMUGHAM
 DRAWING TITLE: PLUMBING
 SECOND FLOOR DRAINAGE LAYOUT

SCALE:	1:100	DRAWING NO.:	
DATE:	10-08-2023		
DRAWN:	AML		P191/CTA/KG/TVM/DR-04
CHECKED:	BEN		

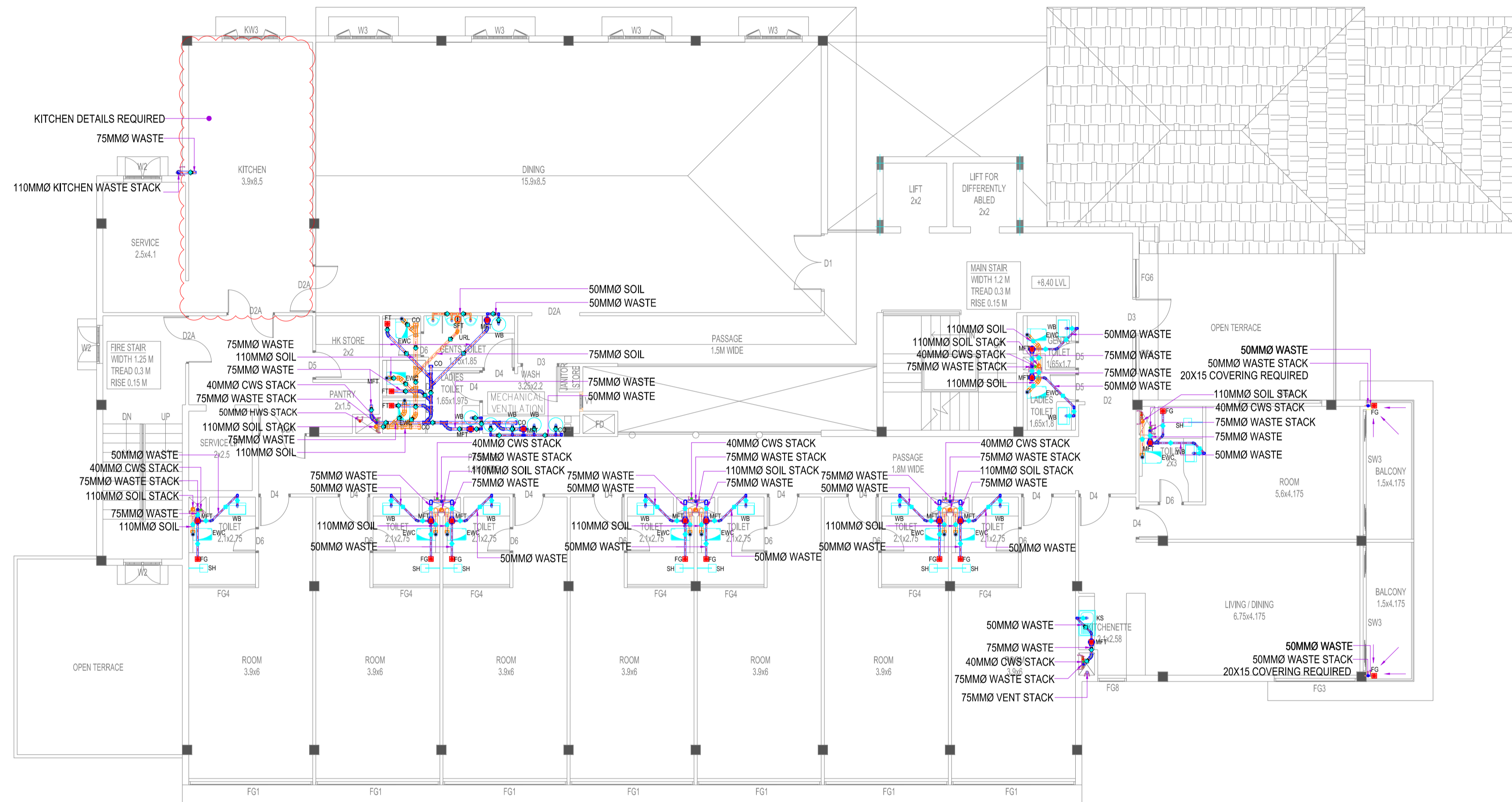
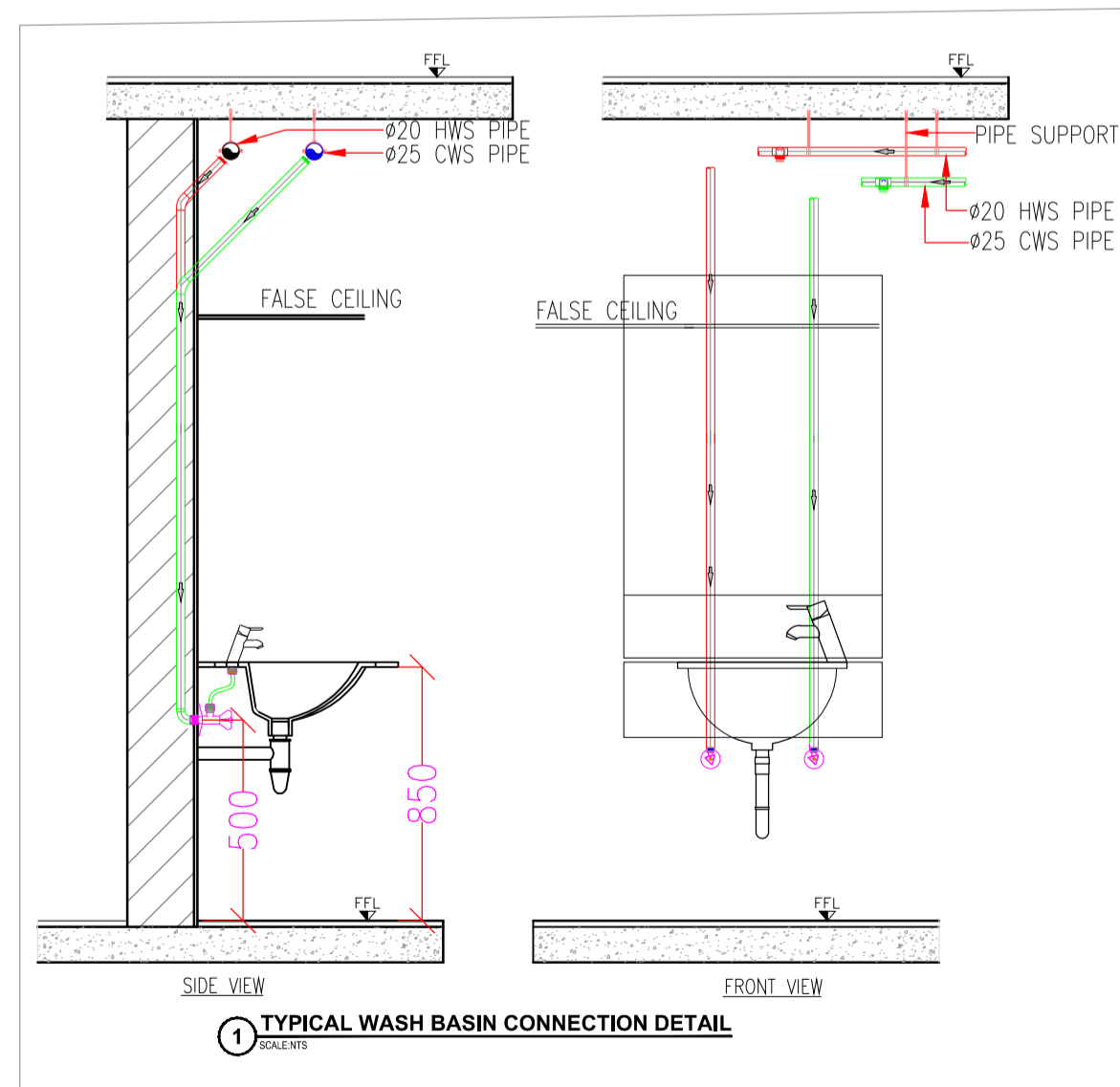
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MEP CONSULTANTS:

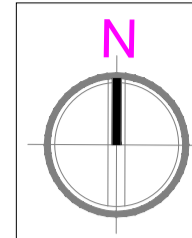
DIRECTORY: CTA/RS PLOTTING SCALE: 1:100 PAPER SIZE: A1



MAXIMUM SUPPORT SPACING			
SIZE (MM)	SIZE (INCH)	MAXIMUM SUPPORT SPACING HORIZONTAL (M)	MAXIMUM SUPPORT SPACING VERTICAL (M)
15	3/4"	0.60	1.20
20	3/4"	0.70	1.40
25	1"	0.75	1.50
32	1 1/2"	0.85	1.70
40	1 1/2"	0.90	1.80
50	2"	1.05	2.10
63	2 1/2"	1.20	2.40
75	3"	1.35	2.70
90	3 1/2"	1.35	2.80
100	4"	1.50	3.00
130	5"	1.70	3.40



DESCRIPTION	PIPE(PUMPING LINES)	PIPE(CWS & HWS)	INTERNAL PIPE(DRAIN)	DUCT PIPE (VENT/RWP)	DUCT PIPE (SOIL/WASTE)	VALVES	SUPPORTS	C.P FITTINGS	GRATINGS	SANITARY FITTINGS
BRANDS	SHE-80, SHE-40 PIPES/SUPREME, ASTRAL	CPVC PIPE/ ASTRAL	uPVC(Prested) SUPREME/ ASTRAL	uPVC (Ring) SUPREME/ ASTRAL	uPVC (Ring) SUPREME/ FINOLEX/ASTRAL	UP TO 50MMØ FORGED BRASS BALL VALVE WITH SCREWED ENDS	FIXOTECH / HITECH	JAQUAR / TOTTO	ACO / GEBERT	TOTTO KOHLER (JAQUAR)
STANDARD	ASTM SH.80/ PN 16 FITTINGS	SDR 11 FITTINGS	IS 4985 6Kg/CM2	IS 4985 4Kg/CM2	IS 4985 6Kg/CM2	BUTTERFLY VALVES(CI) INTERVALVE/AUDCO/LEADER	---	---	S.S 316	---
TEST PRESSURE	15kg/CM2	15kg/CM2	2MTR/HEAD	2MTR/HEAD	2MTR/HEAD	10kg/cm2	---	10kg/cm2	S.S WITH HEAVY DUTY	---



SPECIAL NOTES:
 ALL THE WALL THICKNESSES ARE 20cm AND 15cm (UNLESS SPECIFIED)
 DIMENSIONS SHALL NOT BE MEASURED DIRECTLY FROM THIS DRAWING, FOLLOW ONLY WRITTEN DIMENSIONS.
 ALL HEIGHTS ARE MEASURED FROM FINISHED FLOOR LEVEL.
 REFER STRUCTURAL DRAWINGS FOR STRUCTURAL DETAILS.
 FOLLOW ARCHITECTURAL DRAWING FOR DIMENSIONS, LEVELS, AND DETAILS.
 ALL DIMENSIONS ARE IN CENTIMETRES (UNLESS SPECIFIED)

LEGENDS & ABBREVIATIONS	
	ISOLATING VALVE/GATE VALVE
	PRESSURE REDUCING VALVE
CWS	COLD WATER SUPPLY
GCWS	GRAVITY COLD WATER SUPPLY
HWS	HOT WATER SUPPLY
HB	HOSE BIB
HF	HEALTH FIJACET
TP	TOILET PAPER HOLDER
KS	KITCHEN SINK
NRV	NON-RETURN VALVE/CHECK VALVE
EWC	WATER CLOSET
WB	WASH BASIN
WM	WASHING MACHINE
IL	INVERT LEVEL
SH	SHOWER
FT	FLOOR TRAP
MFT	MULTY FLOOR TRAP
SD	SOAP DISH
MH	MANHOLE
GT	GULLY TRAP
CB	CATCH BASIN
FCL	FINISH CEILING LEVEL
FFL	FINISH FLOOR LEVEL
WH	WATER HEATER
CDP	CONDENSATE PIPE
HWR	HOT WATER RETURN

REFER DRAWINGS:-
 a) ARCH. SITE PLAN
 b) SECTIONAL DETAILS

REV. NO.	DATE	DESCRIPTION	DRAWN
01	09-02-2024	AS PER ARC COMMENTS	AMN
00	30-12-2023	FOR ARC APPROVAL	AML

CLIENT: KUMAR GROUP
 PROJECT: HOTEL PROJECT @ SHANGUMUGHAM

DRAWING TITLE: PLUMBING
BASEMENT FLOOR DRAINAGE LAYOUT

SCALE:	DRAWING NO.:
1:100	P191/CTA/KG/TVM/DR-01
DATE: 10-08-2023	
DRAWN: AML	
CHECKED: BEN	

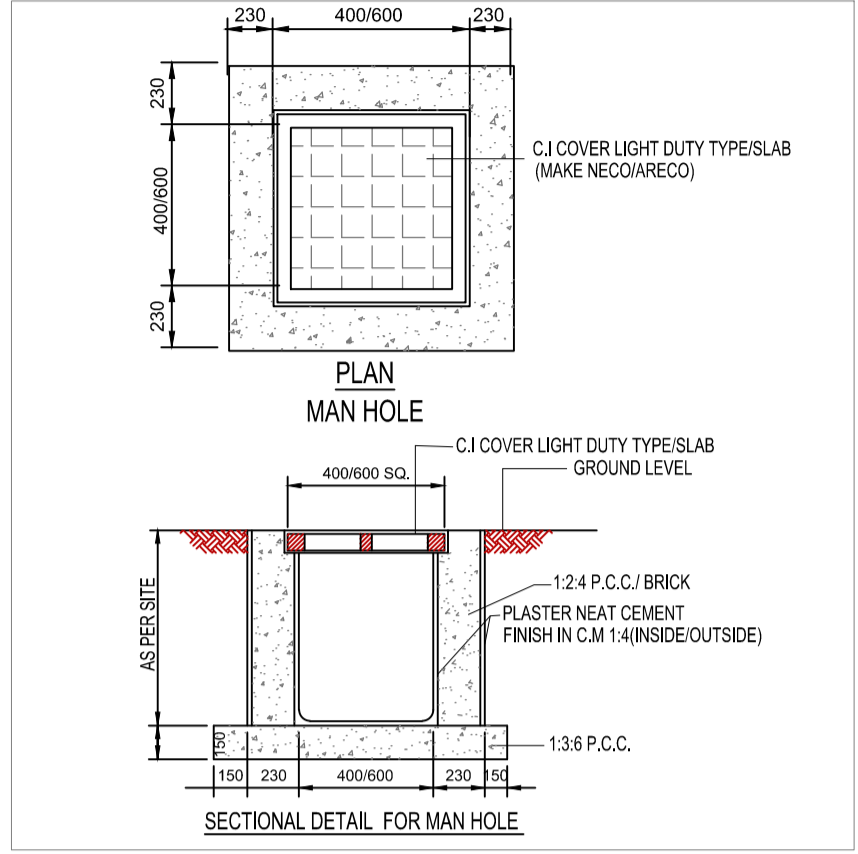
ARCHITECT:

KUMAR GROUP
 TOTAL DESIGNERS
 10th Floor, Eastfort Estate
 Vengal Rao Road, Madhavaram
 Chennai - 600 036, Kerala
 Phone: 9845351877 | Mail: 9895 025956
 BRANCH:
 1st Floor
 V.V.S.A. Cross Road
 V.V.S.A. Colony, Chennai
 E-mail: comtechassociates@yahoo.co.in
 comtechm@gmail.com

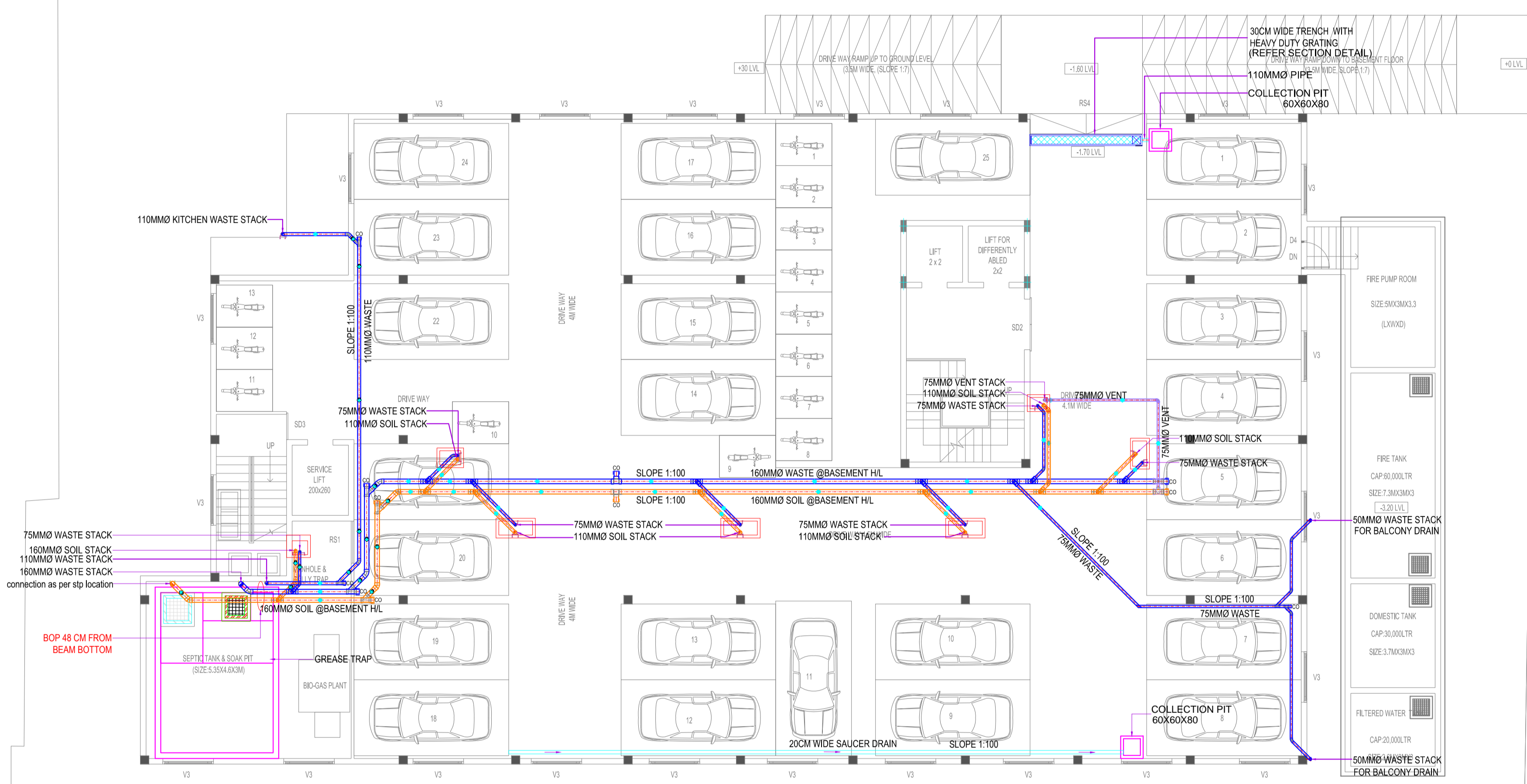
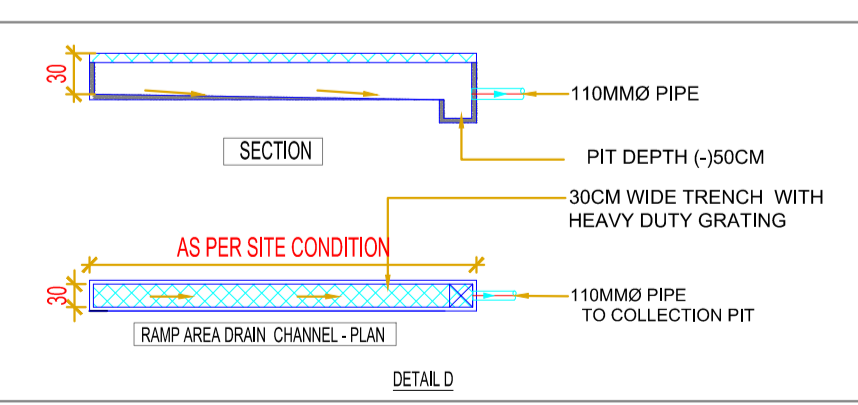
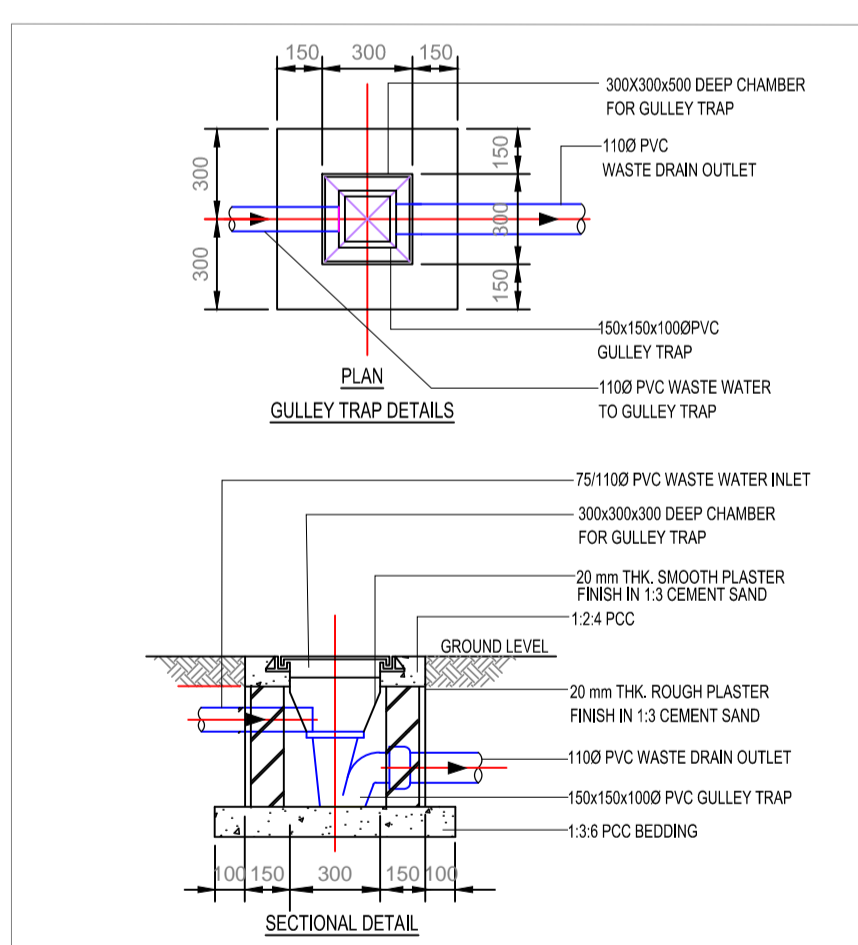
MEP CONSULTANTS:

COMTECH ASSOCIATES
 MEP CONSULTANTS
 1st Floor, Eastfort Estate
 Vengal Rao Road, Madhavaram
 Chennai - 600 036, Kerala
 Phone: 9845351877 | Mail: 9895 025956
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 V.V.S.A. Colony, Chennai
 E-mail: comtechassociates@yahoo.co.in
 comtechm@gmail.com

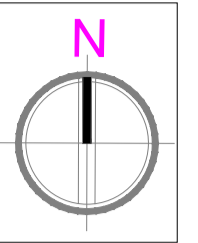
DIRECTORY - CTA/TRS PLOTTING SCALE: 1:100 PAPER SIZE: A4



MAXIMUM SUPPORT SPACING			
SIZE (MM)	SIZE (INCH)	MAXIMUM SUPPORT SPACING HORIZONTAL (M)	MAXIMUM SUPPORT SPACING VERTICAL (M)
15	3/4"	0.60	1.20
20	3/4"	0.70	1.40
25	1"	0.75	1.50
32	1 1/4"	0.85	1.70
40	1 1/2"	0.90	1.80
50	2"	1.05	2.10
63	2 1/2"	1.20	2.40
75	3"	1.35	2.70
90	3 3/4"	1.35	2.80
100	4"	1.50	3.00
130	5"	1.70	3.40



DESCRIPTION	PIPE/(PUMPING LINES)	PIPE/(CWS & HWS)	INTERNAL PIPE/(DRAIN)	DUCT PIPE (VENT/RWP)	DUCT PIPE (SOIL/WASTE)	VALVES	SUPPORTS	C.P FITTINGS	GRATINGS	SANITARY FITTINGS
BRANDS	SHE-80 SHE-40 PIPES/SUPREME, ASTRAL	CPVC PIPE/ ASTRAL	uPVC(Pasted) SUPREME/ ASTRAL	uPVC (Ring) SUPREME/ ASTRAL	uPVC (Ring) SUPREME/ FINOLEX/ASTRAL	UP TO 50MMØ FORGED BRASS BALL VALVE WITH SCREWED ENDS	FIXTECH / HITECH	JAQUAR / TOTTO	ACO / GEBERIT	TOTTO KOHLER /JAQUAR
STANDARD	ASTM SH 80/ PN 16 FITTINGS	SDR 11 FITTINGS	IS 4985 8Kg/CM2	IS 4985 4Kg/CM2	IS 4985 6Kg/CM2	BUTTERFLY VALVES(C) INTERVALVE/AUDCO/LEADER	—	—	S.S 316	—
TEST PRESSURE	15Kg/CM2	15Kg/CM2	2MTR/HEAD	2MTR/HEAD	2MTR/HEAD	10Kg/cm2	—	10Kg/cm2	S.S WITH HEAVY DUTY	—



SPECIAL NOTES:
 ALL THE WALL THICKNESSES ARE 20cm AND 13cm (UNLESS SPECIFIED)
 DIMENSIONS SHALL NOT BE MEASURED DIRECTLY FROM THIS DRAWING. FOLLOW ONLY WRITTEN DIMENSIONS.
 ALL HEIGHTS ARE MEASURED FROM FINISHED FLOOR LEVEL. REFER STRUCTURAL DRAWINGS FOR STRUCTURAL DETAILS.
 FOLLOW ARCHITECTURAL DRAWING FOR DIMENSIONS, LEVELS, AND DETAILS.
 ALL DIMENSIONS ARE IN CENTIMETRES (UNLESS SPECIFIED)

LEGENDS & ABBREVIATIONS

ISOLATING VALVE/GATE VALVE	ISOLATING VALVE/GATE VALVE
PRESSURE REDUCING VALVE	PRESSURE REDUCING VALVE
CWS	COLD WATER SUPPLY
GCWS	GRAVITY COLD WATER SUPPLY
HWS	HOT WATER SUPPLY
HB	HOSE BIB
HF	HEALTH FIJACET
TP	TOILET PAPER HOLDER
KS	KITCHEN SINK
NRV	NON-RETURN VALVE/CHECK VALVE
EWC	WATER CLOSET
WB	WASH BASIN
WM	WASHING MACHINE
IL	INVERT LEVEL
SH	SHOWER
FT	FLOOR TRAP
MFT	MULTY FLOOR TRAP
SD	SOAP DISH
MH	MANHOLE
GT	GULLY TRAP
CB	CATCH BASIN
FCL	FINISH CEILING LEVEL
FFL	FINISH FLOOR LEVEL
WH	WATER HEATER
CDP	CONDENSATE PIPE
HWR	HOT WATER RETURN

REFER DRAWINGS:-
 a) ARCH. SITE PLAN
 b) SECTIONAL DETAILS

01	09-02-2024	AS PER ARC COMMENTS	AMN
00	30-12-2023	FOR ARC APPROVAL	AML
REV.NO.	DATE	DESCRIPTION	DRAWN

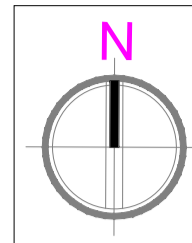
CLIENT:
KUMAR GROUP

PROJECT:
HOTEL PROJECT @ SHANGUMUGHAM

DRAWING TITLE: PLUMBING
**BASEMENT FLOOR
 WATER SUPPLY LAYOUT**

SCALE: 1:100	DRAWING NO.:
DATE: 10-08-2023	P191/CTA/KG/TVMWS-01
DRAWN: AML	
CHECKED: BEN	

ARCHITECT:



SPECIAL NOTES:
 ALL THE WALL THICKNESSES ARE 200mm AND 150mm (UNLESS SPECIFIED)
 DIMENSIONS SHALL NOT BE MEASURED DIRECTLY FROM THIS DRAWINGS. FOLLOW ONLY WRITTEN DIMENSIONS.
 ALL HEIGHTS ARE MEASURED FROM FINISHED FLOOR LEVEL. REFER STRUCTURAL DRAWINGS FOR STRUCTURAL DETAILS.
 FOLLOW ARCHITECTURAL DRAWING FOR DIMENSIONS, LEVELS, AND DETAILS.
 ALL DIMENSIONS ARE IN CENTIMETRES (UNLESS SPECIFIED)

LEGENDS & ABBREVIATIONS

	ISOLATING VALVE/GATE VALVE
	PRESSURE REDUCING VALVE
	CWS COLD WATER SUPPLY
	GCWS GRAVITY COLD WATER SUPPLY
	HWS HOT WATER SUPPLY
	HB HOSE BIB
	HF HEALTH FAUCET
	TP TOILET PAPER HOLDER
	KS KITCHEN SINK
	NRV NON-RETURN VALVE/CHECK VALVE
	EWC WATER CLOSET
	WB WASH BASIN
	WM WASHING MACHINE
	IL INVERT LEVEL
	SH SHOWER
	FT FLOOR TRAP
	MFT MULTY FLOOR TRAP
	SD SOAP DISH
	MH MANHOLE
	GT GULLY TRAP
	CB CATCH BASIN
	FCL FINISH CEILING LEVEL
	FFL FINISH FLOOR LEVEL
	WH WATER HEATER
	CDP CONDENSATE PIPE
	HWR HOT WATER RETURN

REFER DRAWINGS:-
 a) ARCH. SITE PLAN
 b) SECTIONAL DETAILS

REV.NO.	DATE	DESCRIPTION	DRAWN
01	09-02-2024	AS PER ARC COMMENTS	AMN
00	30-12-2023	FOR ARC APPROVAL	AML

CLIENT:
KUMAR GROUP

PROJECT:
HOTEL PROJECT @ SHANGUMUGHAM

DRAWING TITLE: PLUMBING
**GROUND FLOOR
 WATER SUPPLY LAYOUT**

SCALE: 1:100	DRAWING NO.:
DATE: 10-08-2023	P191/CTA/KG/TVM/WS-02
DRAWN: AML	CHECKED: BEN

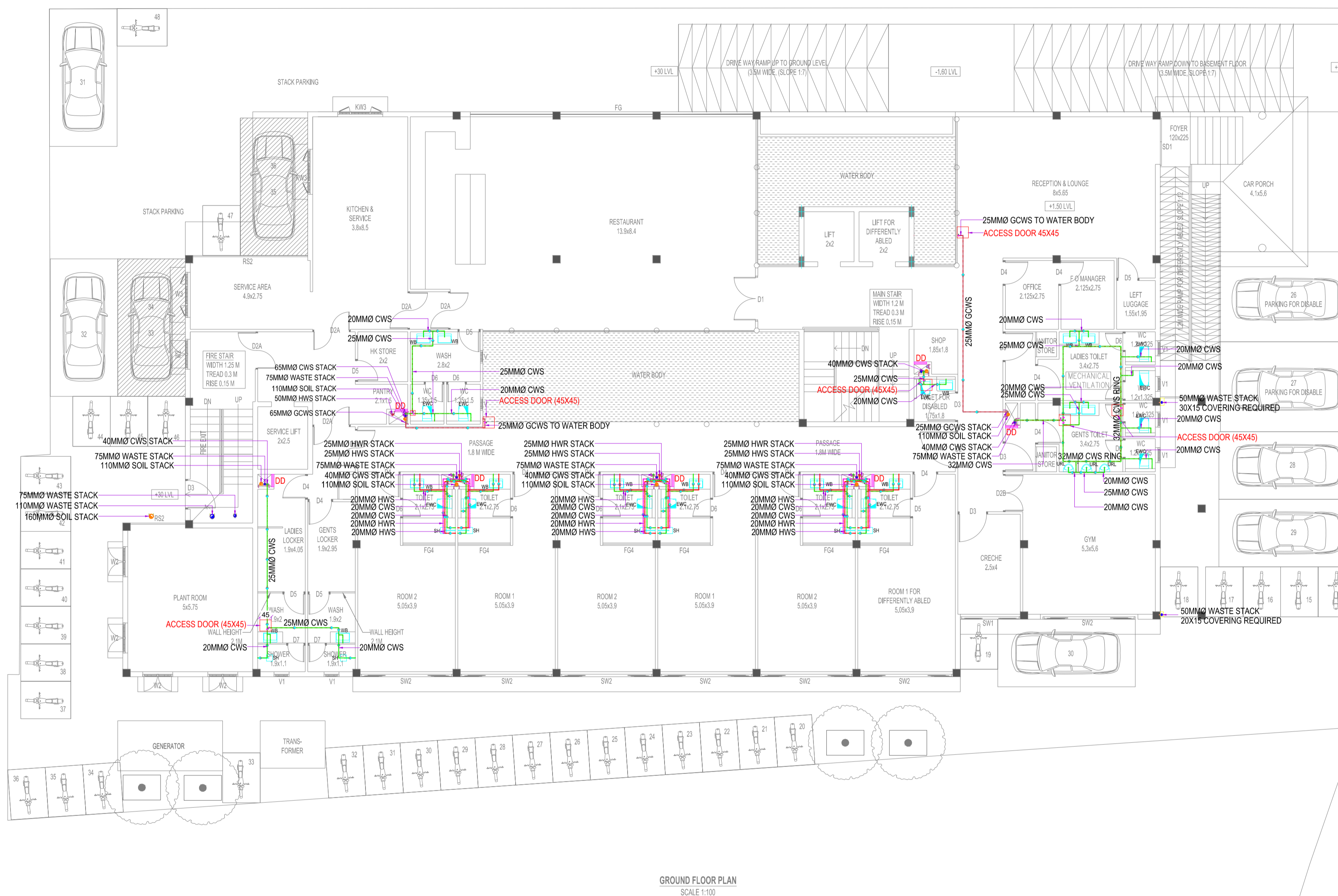
ARCHITECT:

KUMAR GROUP
 TOTAL DESIGNERS
 10th Floor, Eastwood Estate, Westwood Road, Westwood, Colombo 15, Sri Lanka
 Phone: 011-2511437 Fax: 011-2511438
 Email: info@kumargroup.lk
 WWW.KUMARGROUP.LK

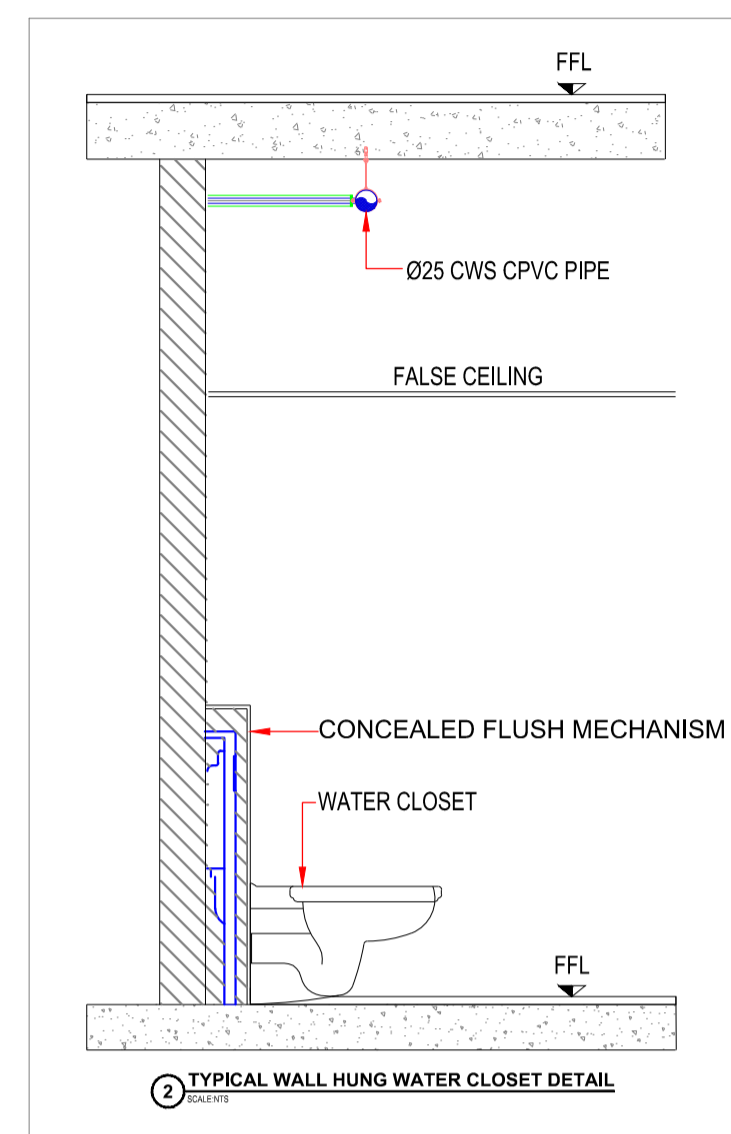
MEP CONSULTANTS:

COMTECH ASSOCIATES
 MEP CONSULTANTS
 1st Floor, Eastwood Estate, Westwood Road, Westwood, Colombo 15, Sri Lanka
 Phone: 011-2511437 Fax: 011-2511438
 Email: info@comtechmepltd.com
 WWW.COMTECHMEP.LK

DIRECTORY: CT/ATRS PLOTTING SCALE: 1:100 PAPER SIZE: A4

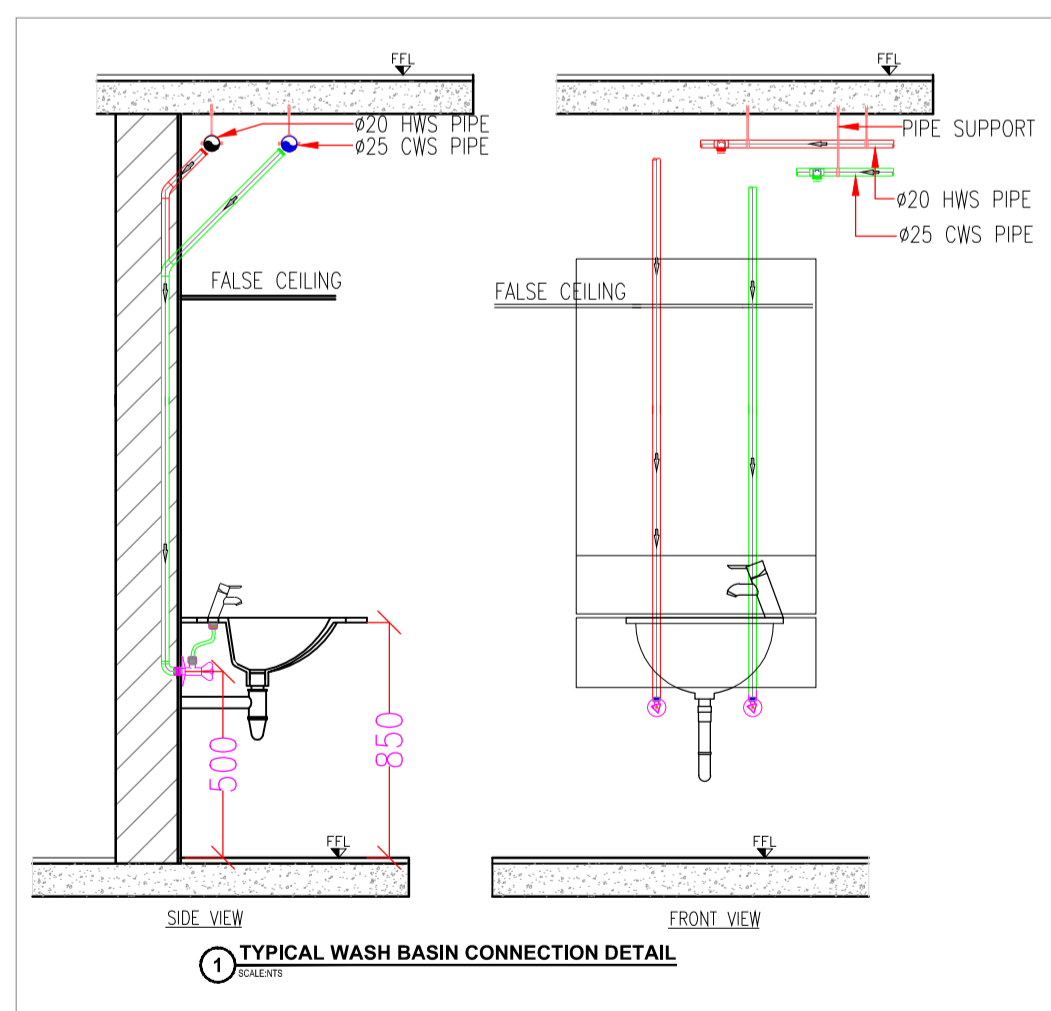


GROUND FLOOR PLAN
 SCALE: 1:100



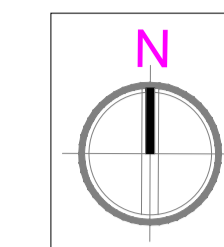
TYPICAL WALL HUNG WATER CLOSET DETAIL

SIZE (MM)	SIZE (INCH)	MAXIMUM SUPPORT SPACING HORIZONTAL (M)	MAXIMUM SUPPORT SPACING VERTICAL (M)
15	3/4"	0.60	1.20
20	3/4"	0.70	1.40
25	1"	0.75	1.50
32	1 1/4"	0.85	1.70
40	1 1/2"	0.90	1.80
50	2"	1.05	2.10
63	2 1/2"	1.20	2.40
75	3"	1.35	2.70
90	3 1/2"	1.35	2.80
100	4"	1.50	3.00
130	5"	1.70	3.40



TYPICAL WASH BASIN CONNECTION DETAIL

DESCRIPTION	PIPE(PUMPING LINES)	PIPE(CWS & HWS)	INTERNAL PIPE(DRAIN)	DUCT PIPE (VENT/RWP)	DUCT PIPE (SOIL/WASTE)	VALVES	SUPPORTS	C.P FITTINGS	GRATINGS	SANITARY FITTINGS
BRANDS	SHE-80, SHE-40 PIPES/SUPREME, ASTRAL	CPVC PIPE/ ASTRAL	uPVC(Pasted) SUPREME/ ASTRAL	uPVC (Ring) SUPREME/ ASTRAL	uPVC (Ring) SUPREME/ FINOLEX/ASTRAL	UP TO 50MM Ø FORGED BRASS BALL VALVE WITH SCREWED ENDS	FIXTECH / HITECH	JAQUAR / TOTTO	ACO / GEBERIT	TOTTO KOHLER /JAQUAR
STANDARD	ASTM SH 80/ PN 16 FITTINGS	SDR 11 FITTINGS	IS 4885 6Kg/CM2	IS 4885 4Kg/CM2	IS 4885 6Kg/CM2	BUTTERFLY VALVES(C/I) INTERVALVE/AUDCO/LEADER	---	---	S.S 316	---
TEST PRESSURE	15kg/CM2	15kg/CM2	2MTR/HEAD	2MTR/HEAD	2MTR/HEAD	10kg/cm2	---	10kg/cm2	S.S WITH HEAVY DUTY	---



SPECIAL NOTES:
 ALL THE WALL THICKNESSES ARE 20cm AND 15cm (UNLESS SPECIFIED)
 DIMENSIONS SHALL NOT BE MEASURED DIRECTLY FROM THIS DRAWING. FOLLOW ONLY WRITTEN DIMENSIONS.
 ALL HEIGHTS ARE MEASURED FROM FINISHED FLOOR LEVEL.
 REFER STRUCTURAL DRAWINGS FOR STRUCTURAL DETAILS.
 FOLLOW ARCHITECTURAL DRAWING FOR DIMENSIONS, LEVELS, AND DETAILS.
 ALL DIMENSIONS ARE IN CENTIMETRES (UNLESS SPECIFIED)

LEGENDS & ABBREVIATIONS

	ISOLATING VALVE/GATE VALVE
	PRESSURE REDUCING VALVE
	CWS COLD WATER SUPPLY
	GRAVITY COLD WATER SUPPLY
	HWS HOT WATER SUPPLY
	HOSE BIB
	HEALTH FUACET
	TOILET PAPER HOLDER
	KITCHEN SINK
	NON-RETURN VALVE/CHECK VALVE
	WATER CLOSET
	WASH BASIN
	WASHING MACHINE
	INVERT LEVEL
	SHOWER
	FLOOR TRAP
	MULTY FLOOR TRAP
	SOAP DISH
	MANHOLE
	GULLY TRAP
	CATCH BASIN
	FINISH CEILING LEVEL
	FINISH FLOOR LEVEL
	WATER HEATER
	CONDENSATE PIPE
	HOT WATER RETURN

REFER DRAWINGS:-
 a) ARCH. SITE PLAN
 b) SECTIONAL DETAILS

01	09-02-2024	AS PER ARC COMMENTS	AMN
00	30-12-2023	FOR ARC APPROVAL	AML
REVNO.	DATE	DESCRIPTION	DRAWN

CLIENT:
KUMAR GROUP

PROJECT:
HOTEL PROJECT @ SHANGUMUGHAM

DRAWING TITLE: PLUMBING
GROUND FLOOR DRAINAGE LAYOUT

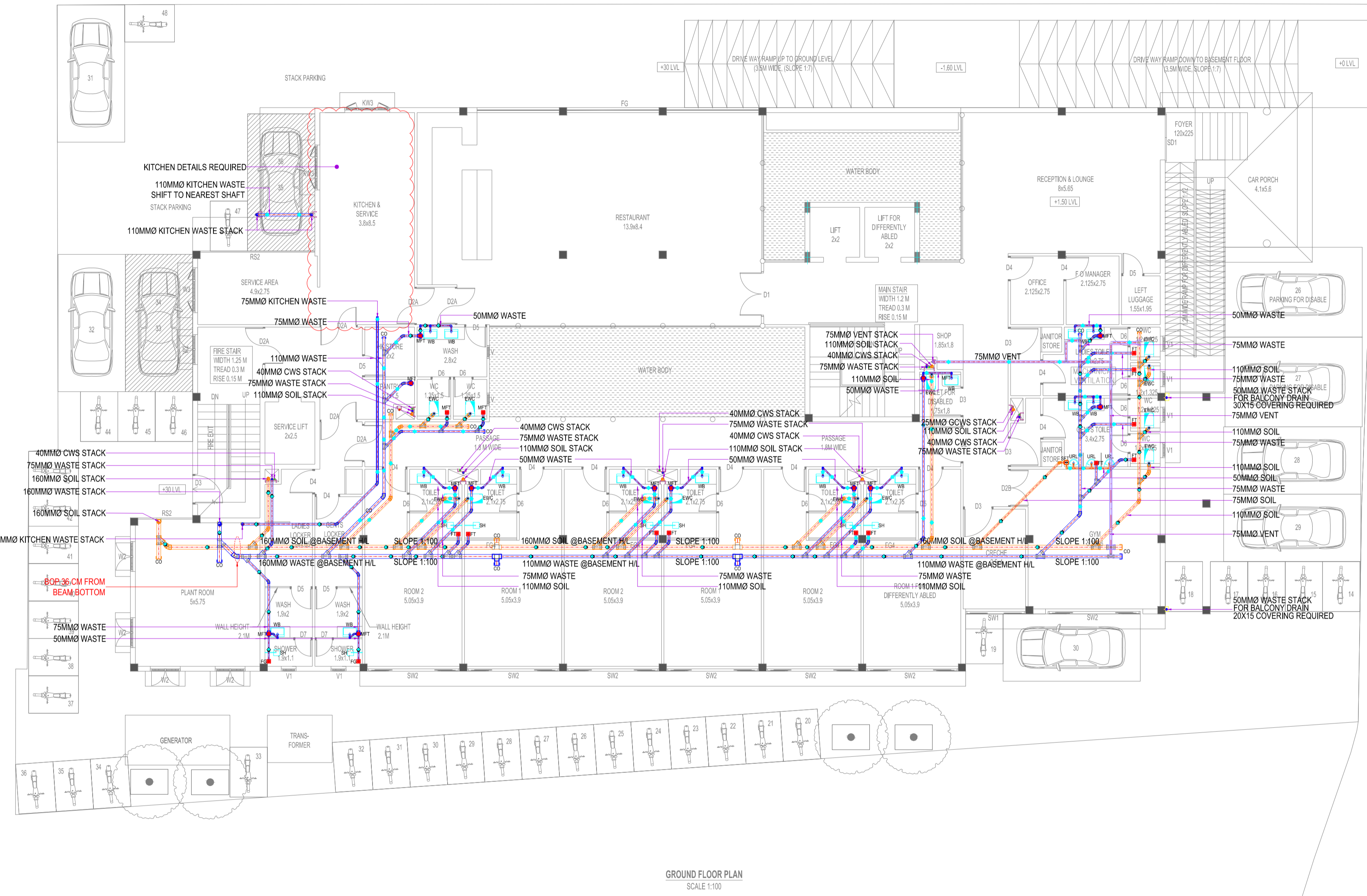
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DATE:	10-08-2023		
DRAWN:	AML		P191/CTA/KG/TVM/DR-02
CHECKED:	BEN		

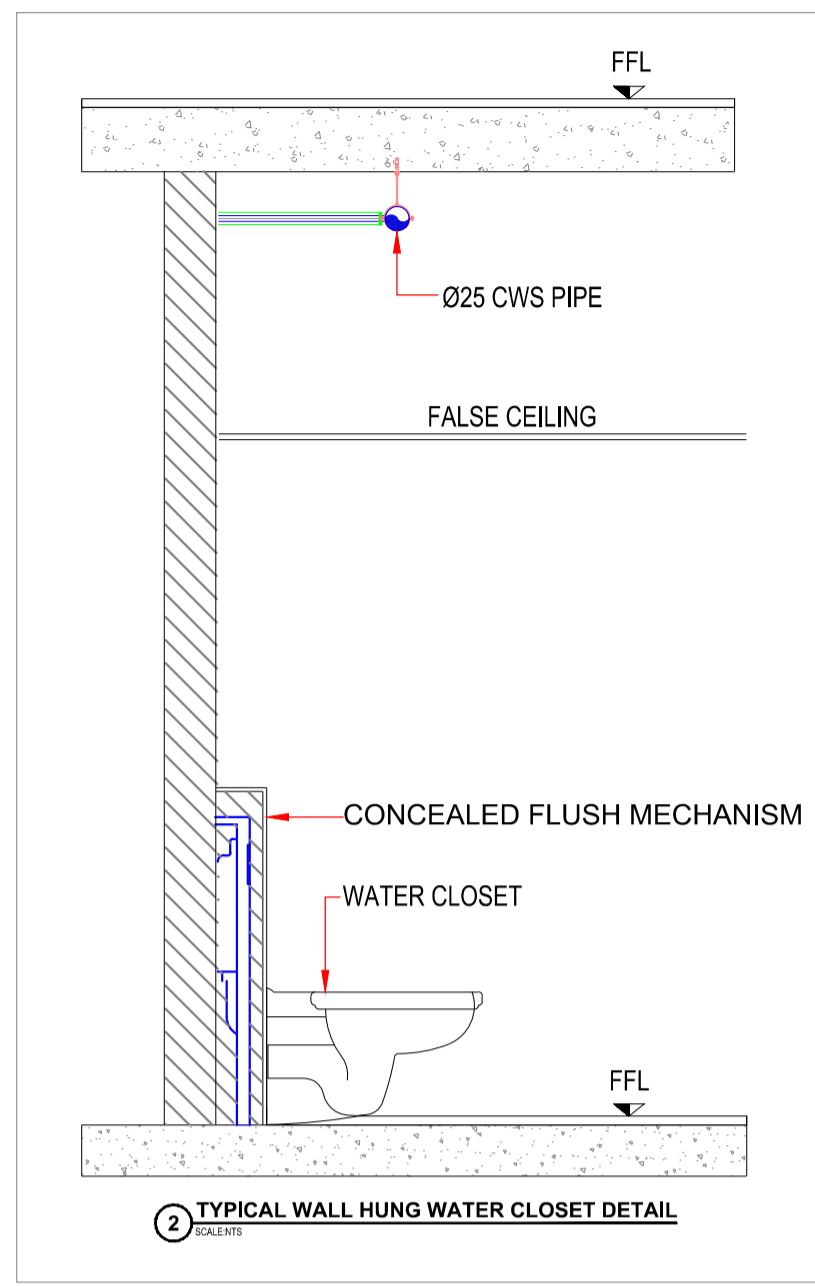
ARCHITECT:

KUMAR GROUP
 TOTAL DESIGNERS
 10th Floor, Eastside IT Estate
 Vengal Rao Road, Kothurambedu
 Chennai - 600 042, Tamil Nadu
 Phone: 9842-551437 | Mob: 9895 020505
 PR: 017422

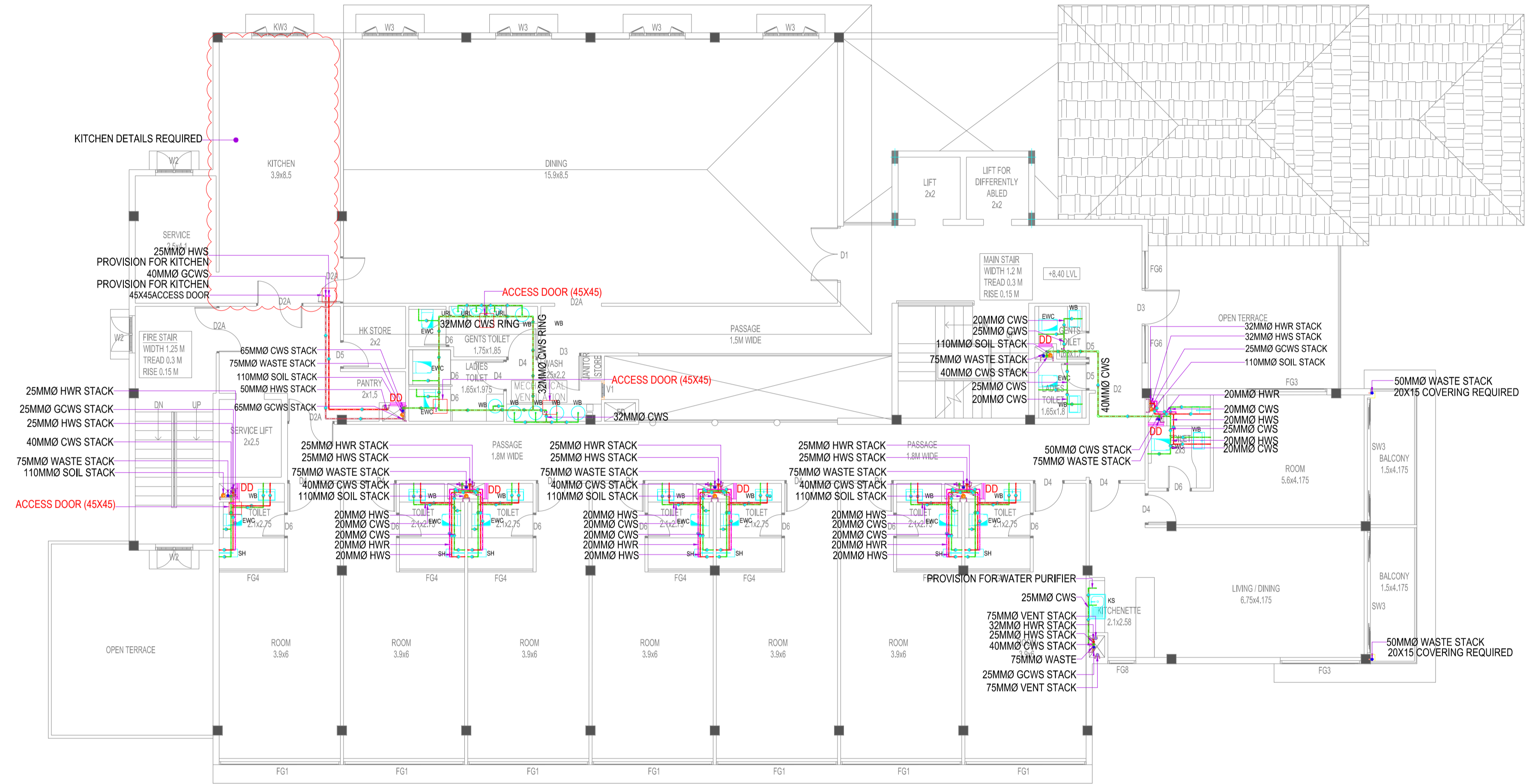
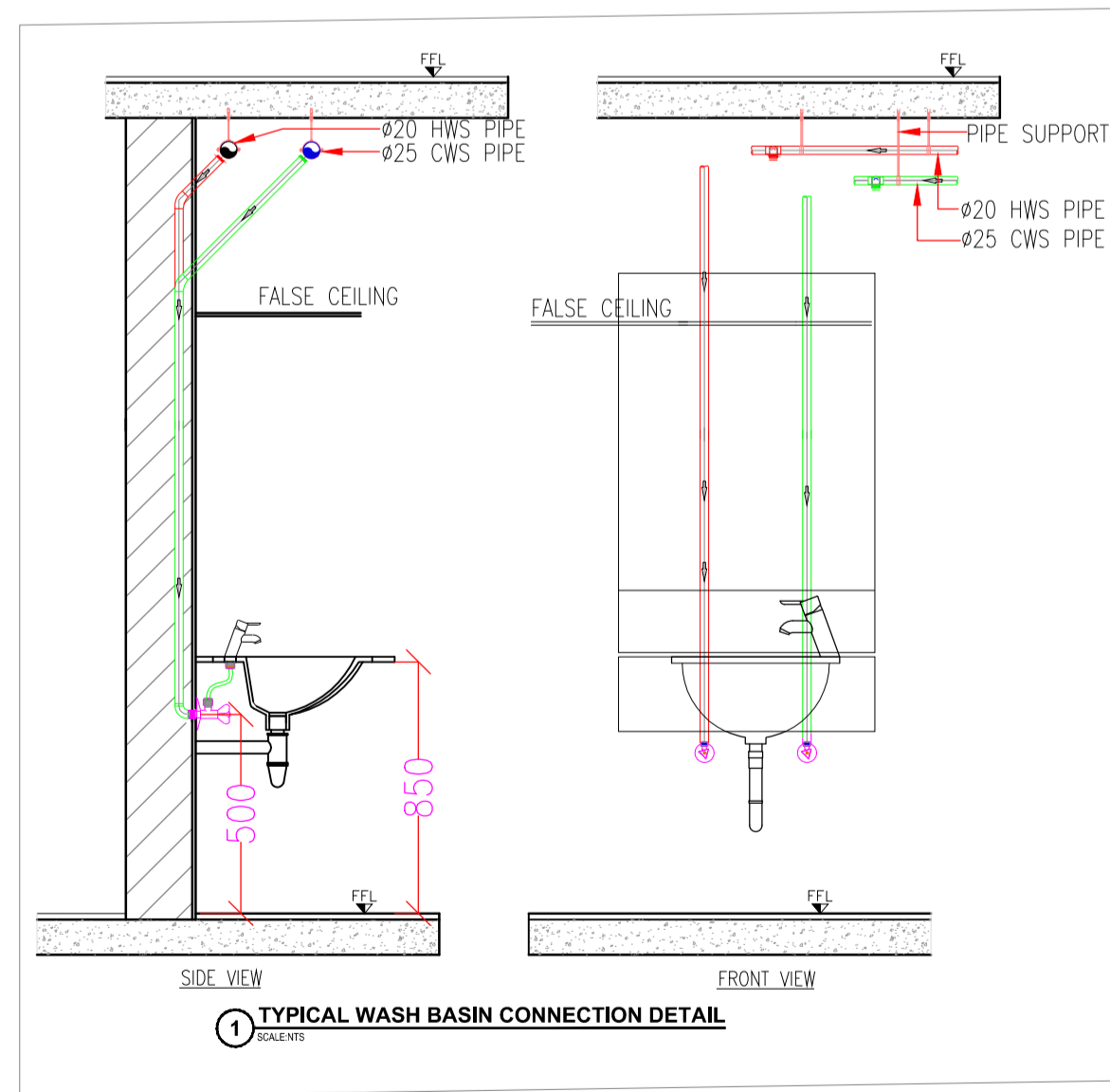
MEP CONSULTANTS:

COMTECH ASSOCIATES
 MEP CONSULTANTS
 1st Floor, Eastside IT Estate
 Vengal Rao Road, Kothurambedu
 Chennai - 600 042, Tamil Nadu
 Phone: 9842-551437 | Mob: 9895 020505
 BRANCH:
 10th Floor, Eastside IT Estate
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 Chennai - 600 042, Tamil Nadu
 Phone: 9842-551437 | Mob: 9895 020505
 E-mail: comtechassociates@gmail.com | comtechassociates@gmail.com





MAXIMUM SUPPORT SPACING			
SIZE (MM)	SIZE (INCH)	MAXIMUM SUPPORT SPACING	
		HORIZONTAL (M)	VERTICAL (M)
15	5/8"	0.60	1.20
20	3/4"	0.70	1.40
25	1"	0.75	1.50
32	1 1/8"	0.85	1.70
40	1 1/2"	0.90	1.80
50	2"	1.05	2.10
63	2 1/2"	1.20	2.40
75	3"	1.35	2.70
90	3 1/2"	1.35	2.80
100	4"	1.50	3.00
130	5"	1.70	3.40



SECOND FLOOR
SCALE 1:100

N

SPECIAL NOTES:
 ALL THE WALL THICKNESSES ARE 200mm AND 130mm (UNLESS SPECIFIED)
 DIMENSIONS SHALL NOT BE MEASURED DIRECTLY FROM THIS DRAWINGS. FOLLOW ONLY WRITTEN DIMENSIONS.
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 ALL DIMENSIONS ARE IN CENTIMETRES (UNLESS SPECIFIED)

LEGENDS & ABBREVIATIONS	
	ISOLATING VALVE/GATE VALVE
	PRESSURE REDUCING VALVE
	COLD WATER SUPPLY
	GRAVITY COLD WATER SUPPLY
	HOT WATER SUPPLY
	HOSE BIB
	HEALTH FAUCET
	TOILET PAPER HOLDER
	KITCHEN SINK
	NON-RETURN VALVE/CHECK VALVE
	WATER CLOSET
	WASH BASIN
	WASHING MACHINE
	INVERT LEVEL
	SHOWER
	FLOOR TRAP
	MULTY FLOOR TRAP
	SOAP DISH
	MANHOLE
	GULLY TRAP
	CATCH BASIN
	FINISH CEILING LEVEL
	FINISH FLOOR LEVEL
	WATER HEATER
	CONDENSATE PIPE
	HOT WATER RETURN

REFER DRAWINGS:-
 a) ARCH. SITE PLAN
 b) SECTIONAL DETAILS

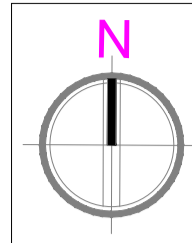
REV. NO.	DATE	DESCRIPTION	DRAWN
01	09-02-2024	AS PER ARC COMMENTS	AMN
00	30-12-2023	FOR ARC APPROVAL	AML

CLIENT: KUMAR GROUP
 PROJECT: HOTEL PROJECT @ SHANGUMUGHAM
 DRAWING TITLE: PLUMBING
 SECOND FLOOR WATER SUPPLY LAYOUT

SCALE:	1:100	DRAWING NO.:	P191/CTA/KG/TVM/WS-04
DATE:	10-08-2023		
DRAWN:	AML		
CHECKED:	BEN		

ARCHITECT:

KUMAR GROUP
 TOTAL DESIGNERS
 1807 G 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SPECIAL NOTES:
 ALL THE WALL THICKNESSES ARE 20cm AND 15cm (UNLESS SPECIFIED)
 DIMENSIONS SHALL NOT BE MEASURED DIRECTLY FROM THIS DRAWINGS. FOLLOW ONLY WRITTEN DIMENSIONS.
 ALL HEIGHTS ARE MEASURED FROM FINISHED FLOOR LEVEL.
 REFER STRUCTURAL DRAWINGS FOR STRUCTURAL DETAILS.
 FOLLOW ARCHITECTURAL DRAWING FOR DIMENSIONS, LEVELS, AND DETAILS.
 ALL DIMENSIONS ARE IN CENTIMETRES (UNLESS SPECIFIED)

LEGENDS & ABBREVIATIONS

ISOLATING VALVE/GATE VALVE	ISOLATING VALVE/GATE VALVE
PRESSURE REDUCING VALVE	PRESSURE REDUCING VALVE
CWS COLD WATER SUPPLY	CWS COLD WATER SUPPLY
GCWS GRAVITY COLD WATER SUPPLY	GCWS GRAVITY COLD WATER SUPPLY
HWS HOT WATER SUPPLY	HWS HOT WATER SUPPLY
HB HOSE BIB	HB HOSE BIB
HF HEALTH FIUACET	HF HEALTH FIUACET
TP TOILET PAPER HOLDER	TP TOILET PAPER HOLDER
KS KITCHEN SINK	KS KITCHEN SINK
NRV NON-RETURN VALVE/CHECK VALVE	NRV NON-RETURN VALVE/CHECK VALVE
EWC WATER CLOSET	EWC WATER CLOSET
WB WASH BASIN	WB WASH BASIN
WM WASHING MACHINE	WM WASHING MACHINE
IL INVERT LEVEL	IL INVERT LEVEL
SH SHOWER	SH SHOWER
FT FLOOR TRAP	FT FLOOR TRAP
MFT MULTY FLOOR TRAP	MFT MULTY FLOOR TRAP
SD SOAP DISH	SD SOAP DISH
MH MANHOLE	MH MANHOLE
GT GULLY TRAP	GT GULLY TRAP
CB CATCH BASIN	CB CATCH BASIN
FCL FINISH CEILING LEVEL	FCL FINISH CEILING LEVEL
FFL FINISH FLOOR LEVEL	FFL FINISH FLOOR LEVEL
WH WATER HEATER	WH WATER HEATER
CDP CONDENSATE PIPE	CDP CONDENSATE PIPE
HWR HOT WATER RETURN	HWR HOT WATER RETURN

REFER DRAWINGS:-
 a) ARCH. SITE PLAN
 b) SECTIONAL DETAILS

01	09-02-2024	AS PER ARC COMMENTS	AMN
00	30-12-2023	FOR ARC APPROVAL	AML
REV.NO.	DATE	DESCRIPTION	DRAWN

CLIENT:
KUMAR GROUP

PROJECT:
HOTEL PROJECT @ SHANGUMUGHAM

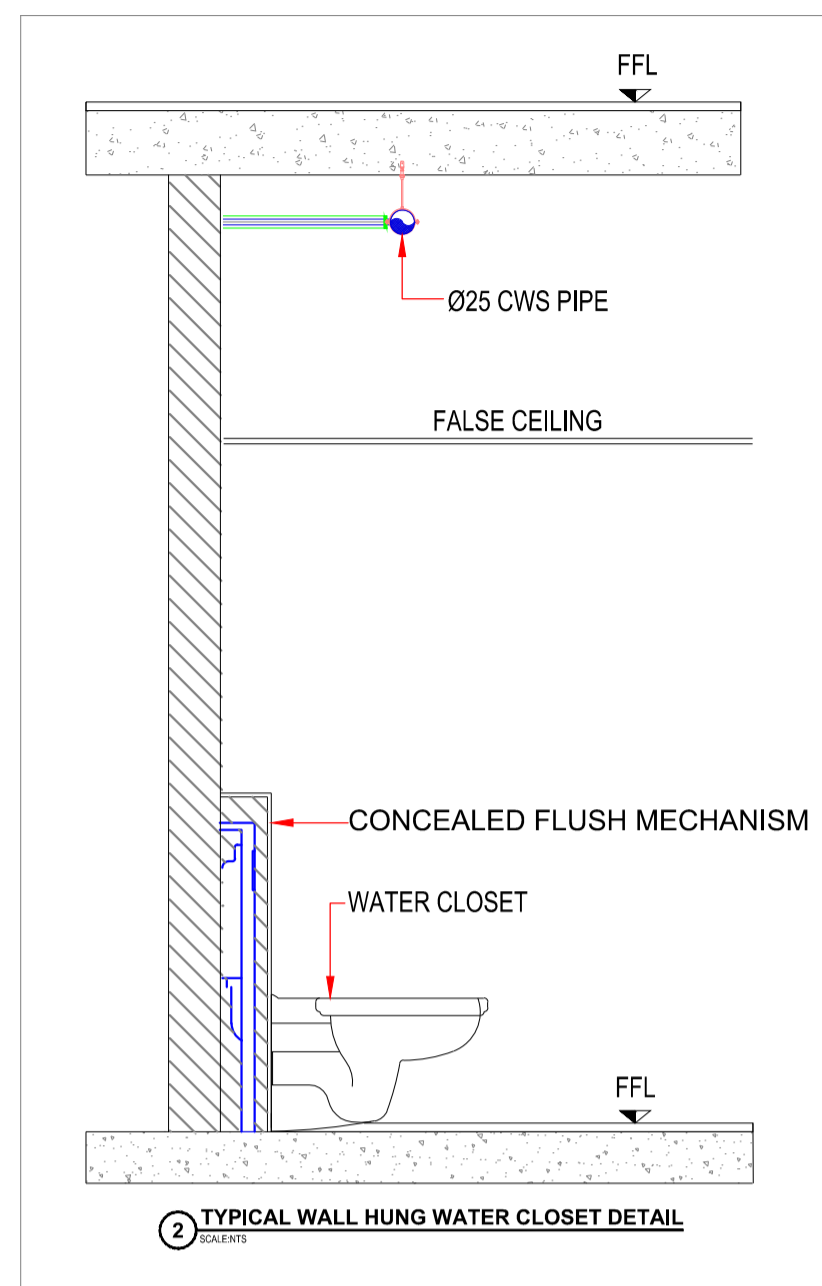
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THIRD FLOOR WATER SUPPLY LAYOUT

SCALE:	1:100	ORIGIN NO.:	
DATE:	10-08-2023		
DRAWN:	AML		P191/CTA/KG/TVM/WS-05
CHECKED:	BEN		

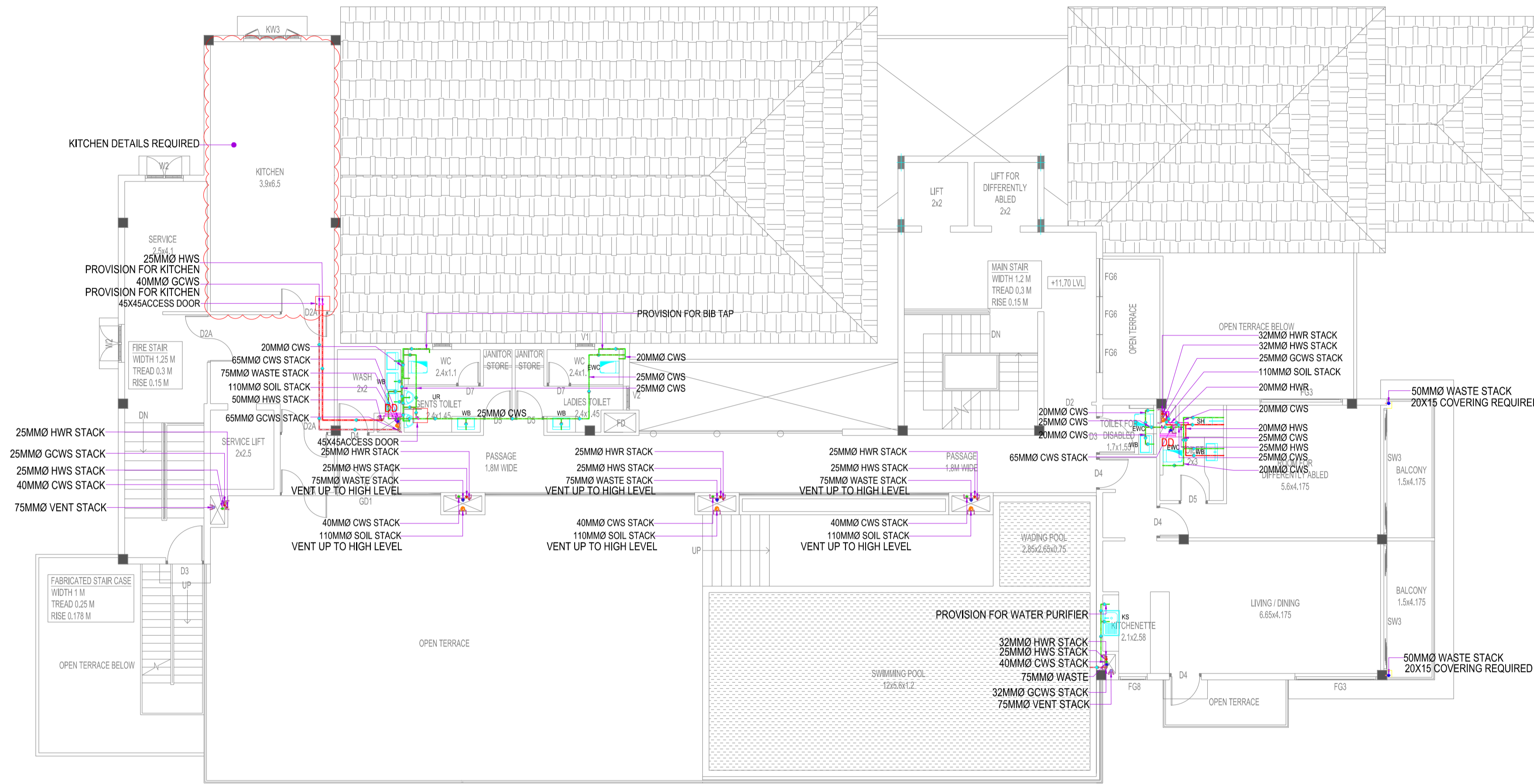
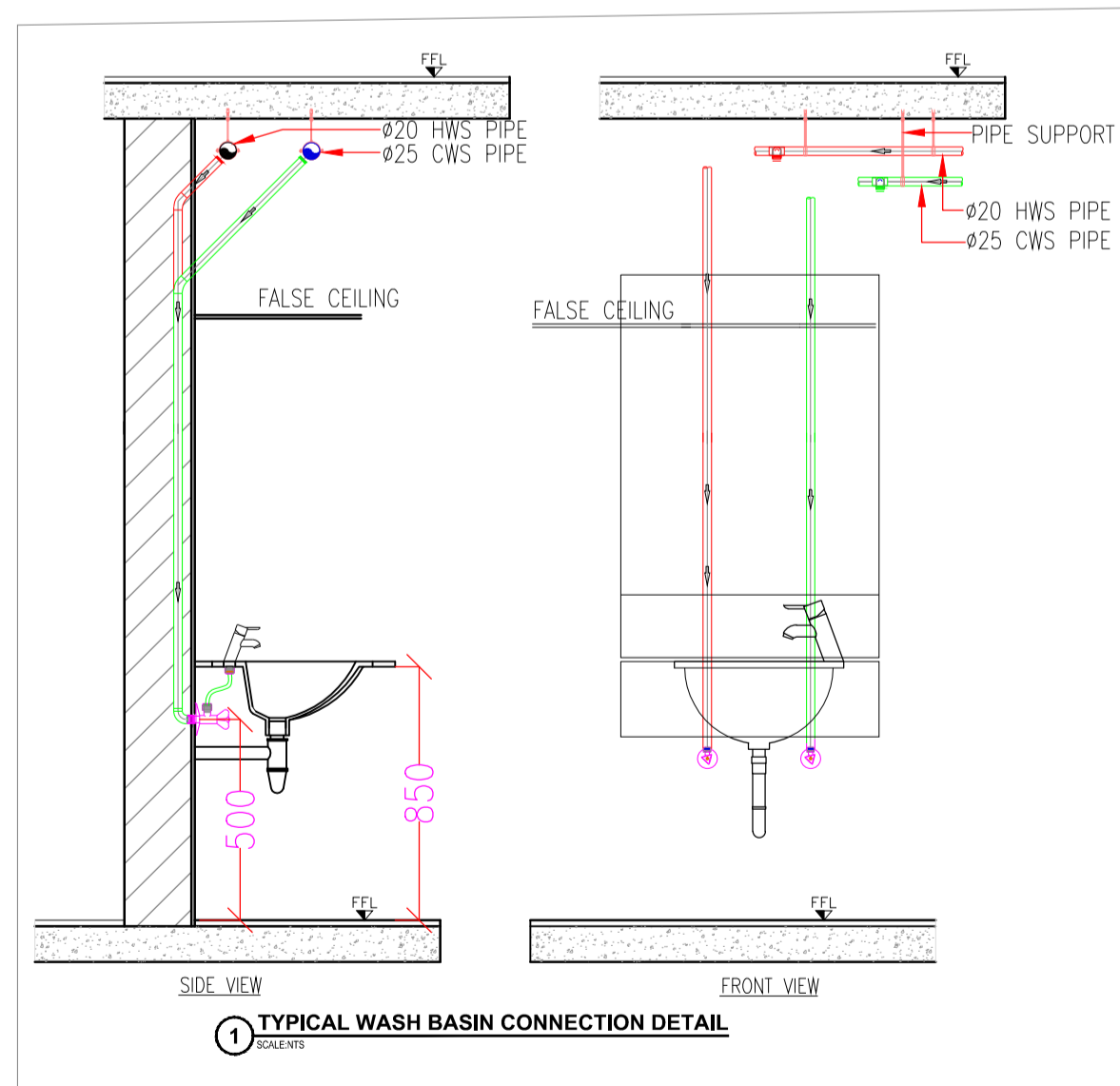
ARCHITECT:

MEP CONSULTANTS:

DIRECTORY: C-TABS PLOTTING SCALE: 1:100 PAPER SIZE: A-1



MAXIMUM SUPPORT SPACING		MAXIMUM SUPPORT SPACING	
SIZE (MM)	SIZE (INCH)	HORIZONTAL (M)	VERTICAL (M)
15	3/4"	0.60	1.20
20	3/4"	0.70	1.40
25	1"	0.75	1.50
32	1 1/4"	0.85	1.70
40	1 1/2"	0.90	1.80
50	2"	1.05	2.10
63	2 1/2"	1.20	2.40
75	3"	1.35	2.70
90	3 1/2"	1.35	2.80
100	4"	1.50	3.00
130	5"	1.70	3.40



DESCRIPTION	PIPE(PUMPING LINES)	PIPE(CWS & HWS)	INTERNAL PIPE(DRAIN)	DUCT PIPE (VENT/RWP)	DUCT PIPE (SOIL/WASTE)	VALVES	SUPPORTS	C.P FITTINGS	GRATINGS	SANITARY FITTINGS
BRANDS	SHE-80, SHE-40 PIPES/SUPREME, ASTRAL	CPVC PIPE/ ASTRAL	uPVC(Pasted) SUPREME/ ASTRAL	uPVC (Ring) SUPREME/ ASTRAL	uPVC (Ring) SUPREME/ FINOLEX/ASTRAL	UP TO 50MMØ FORGED BRASS BALL VALVE WITH SCREWED ENDS	FIXOTECH / HITECH	JAJUAR / TOTTO	ACO / GEBERIT	TOTTO KOHLER /JAJUAR
STANDARD	ASTM SH 80/ PN 16 FITTINGS	SDR 11 FITTINGS	IS 4985 6Kg/CM2	IS 4985 4Kg/CM2	IS 4985 6Kg/CM2	BUTTERFLY VALVES(CI) INTERVALVE/AUDCO/LEADER	---	---	S.S 316	---
TEST PRESSURE	15kg/CM2	15kg/CM2	2MTR/HEAD	2MTR/HEAD	2MTR/HEAD	10kg/cm2	---	10kg/cm2	S.S WITH HEAVY DUTY	---