



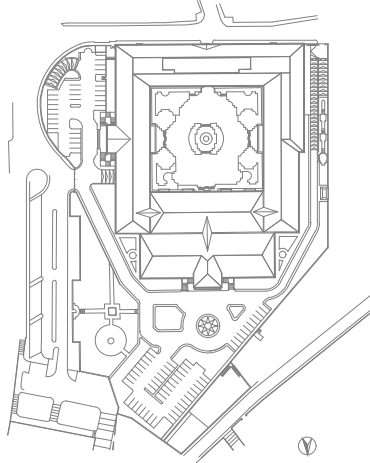


HVAC - GENERAL NOTES
01-ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE INDICATED
02-THE HVAC WORKS DOCUMENTS SHALL BE READ AS ONE UNIT INCLUDING DRAWINGS, CALCULATION REPORTS, SCHEDULES, B.O.Q. AND SPECIFICATIONS.
03-THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER TRADES FOR COORDINATION PURPOSES AND IN CONJUNCTION WITH THE SPECIFICATIONS
04-THE CONTRACTOR SHALL VERIFY ADEQUATE SPACES, COORDINATE WITH OTHER TRADES AND EXECUTE IN ACCORDANCE WITH APPROVED SHOP DRAWINGS
05-THESE DRAWINGS SHALL BE USED FOR COOLING & VENTILATION PURPOSES ONLY, DO NOT SCALE FROM THESE DRAWINGS
06-THE CONTRACTOR IS RESPONSIBLE TO INSTALL ALL NECESSARY ATTENUATIONS & VIBRATION ISOLATORS TO INSURE THE SPECIFIED NOISE LEVEL.
07-ALL DUCTS CROSSING CONCRETE EXPANSION JOINTS SHALL HAVE DUCT EXPANSION JOINTS.
08-VOLUME DAMPERS SHOULD BE PROVIDED: -AT EACH DUCT TERMINAL, UNLESS CONNECTED TO AN AIR OUTLET WHICH INCLUDES OPPOSED BLADE DAMPER. -AT EACH BRANCH FEEDING MORE THAN ONE AIR OUTLET. -ELSEWHERE NEEDED FOR PROPER AIR BALANCING.. -AT EACH FLEXIBLE DUCT CONNECTED TO THE PLENUMS
09-LOUVERS DIMENSIONS ARE BASED ON 55% FREE AREA
10-ALL OUTSIDE AIR TERMINALS ARE TO BE PROVIDED WITH ¼" GALVANIZED WIRE MESH SCREENS
11-LOCATIONS OF AIR OUTLETS, THERMOSTATS & ACCESS PANELS SHOULD BE EXECUTED AS PER FINAL APPROVED INTERNAL DECORATION DRAWINGS
12-THE CONTRACTOR SHALL MARK THE SIZES AND EXACT LOCATIONS OF THE ACCESS CEILING PANELS FOR A/C EQUIPMENTS, DAMPERS & VALVES. THEY SHOULD BE SUBJECT TO ARCHITECT/INTERIOR DESIGNER APPROVAL
13-PRESSURE DROP ACROSS REFRIGERATION TUBE LENGTH TO BE CONSIDERED DURING AC SELECTION
14-REFRIGERATION TUBE SIZES AND NETWORK INSTALLATION SHALL BE BASED ON THE AC UNIT'S COOLING CAPACITIES AND MANUFACTURER'S RECOMMENDATION.IN ADDITION, REFRIGERATION NETWORK TO BE REVIEWED BY THE APPROVED MANUFACTURER AND WITNESSED DURING INSTALLATION AND PRIOR TO CEILING CLOSURE
15- ALL DUCTS CROSSING A FIRE RATED SLAB WALL & THE NON COMBUSTIBLE MATERIAL IN THE SHAFTS SHALL BE PROVIDED WITH FIRE DAMPERS AS SPECIFIED
16- ALL CONCEALED INDOOR UNITS SHALL HAVE ACCESS PANELS UNDERNEATH FOR MAINTENANCE AND FILTER ACCESS. LOCATION SHALL BE APPROVED BY INTERIOR DECORATOR


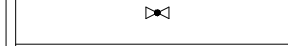
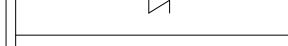
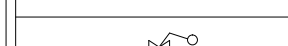
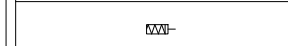
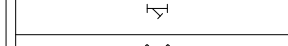
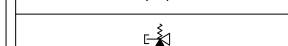


FIRE FIGHTING - GENERAL NOTES
1. THE FIRE PROTECTION DRAWINGS SHALL BE READ AS ONE UNIT INCLUDING PLANS, RISER, AND MISCELLANEOUS DETAILS.
2. FIRE PROTECTION DRAWINGS SHALL BE READ WITH THE ARCHITECTURAL (FALSE CEILING), STRUCTURAL, ELECTRICAL, HVAC, PLUMBING AND OTHER DRAWINGS FOR COORDINATION, VERIFICATION OF ADEQUATE SPACES AND EARLY DETERMINATION OF ANY CONTRADICTIONS OR INTERFERENCE AS PER THE PROVISIONS OF THE SPECIFICATION.
3. THE DRAWINGS ARE ISSUED FOR FIRE PROTECTION WORKS ONLY AND SHALL NOT BE USED FOR ARCHITECTURAL, STRUCTURAL OR OTHER WORKS. DRAWINGS SHALL NOT BE SCALED FOR EXECUTION PURPOSES.
4. ALL MEASUREMENTS SHALL BE MADE FROM ESTABLISHED LINES, LEVELS.
5. FIRE FIGHTING WORKS REQUIRING ELECTRICAL SERVICES SHALL BE COORDINATED WITH THE ELECTRICAL TRADE.
6. THE DRAWINGS ARE ONLY DIAGRAMMATIC. THE CONTRACTOR SHALL EXECUTE ALL WORK IN ACCORDANCE WITH APPROVED SHOP AND INSTALLATION DRAWINGS AS PER THE PROVISIONS OF THE SPECIFICATION.
7. ALL FIRE PROTECTION MATERIALS SHALL BE AS PER SPECIFICATION.
8. THE CONTRACTOR SHALL SUBMIT CALCULATION SHEETS SHOWING THE EXACT CLEAN AGENT (FM-200) CAPACITY FOR APPROVAL BEFORE PURCHASE ORDER HAS BEEN PLACED.
9. All ROOMS EQUIPPED WITH FM-200 SYSTEM SHALL BE SUFFICIENTLY AIR TIGHT TO HOLD THE FM200 GAS AT THE REQUIRED CONCENTRATION

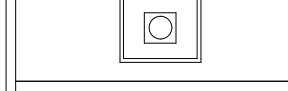

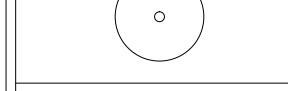

WATER DISTRIBUTION-GENERAL NOTES
01-ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE INDICATED
02-THE WATER DISTRIBUTION DOCUMENTS WORKS SHALL BE READ AS ONE UNIT INCLUDING DRAWINGS, SCHEDULES, B.O.Q. AND SPECIFICATIONS
03-THE DRAWINGS ARE NOT SCALED FOR EXECUTING THE WORKS
04-THE CONTRACTOR SHALL VERIFY ADEQUATE SPACES COORDINATE WITH OTHER DRAWINGS AND EXECUTE IN ACCORDANCE WITH THE APPROVED SHOP DRAWING
05-COORDINATE WITH THE REMAINING CONTRACTORS FOR RELATED WATER DISTRIBUTION WORKS
06-COLD WATER AND HOT WATER PIPE TO BE PPR PN-20. EXPOSED PIPES IN SHAFTS AND TECHNICAL ROOMS SHALL ADDITIONALLY BE ALUMINUM PROTECTED TYPE AND PIPES ON ROOF SHALL ADDITIONALLY BE UV PROTECTED.
07-EACH RISER SHALL HAVE 1/2" DRAIN VALVE AT THE BOTTOM UNLESS OTHERWISE INDICATED.
08-EACH RISER SHALL HAVE 1/2" AUTOMATIC AIR VENT AT THE TOP UNLESS OTHERWISE INDICATED.
09- HOT WATER RISERS RUNNING INSIDE SHAFTS MUST BE INSULATED.
10-DOMESTIC WATER MAIN BRANCH,SUB BRANCHES SERVING MULTIPLE WET AREAS TO BE FURNISHED WITH BRONZE TYPE ISOLATION BALL VALVE.
11-CONTRACTOR SHALL PROVIDE MAINTENANCE ACCESS PANELS TO ALL VALVES, CLEANOUTS, AND WHEREVER NEEDED. LOCATION OF PANELS SHALL BE COORDINATED WITH THE INTERIOR DESIGNER

DRAINAGE - GENERAL NOTES
01-ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE INDICATED.
02-THE PLUMBING WORKS DOCUMENTS SHALL BE READ AS ONE UNIT INCLUDING DRAWINGS, SCHEDULES, B.O.Q. AND SPECIFICATIONS
03-THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER TRADES FOR COORDINATION PURPOSES AND IN CONJUNCTION WITH THE SPECIFICATIONS.
04-THE CONTRACTOR SHALL VERIFY THE PLUMBING LAYOUT AND EXECUTE IN ACCORDANCE WITH THE APPROVED SHOP DRAWINGS.
05-THE CONTRACTOR SHALL COORDINATE WITH OTHER CONTRACTORS FOR RELATED PLUMBING WORKS.
06-FOR PLUMBING MISCELLANEOUS DETAILS REFER TO PLUMBING DETAILS SHEETS.
07-ALL CEILING CLEANOUTS & FLOOR CLEANOUTS ARE 110MM UNLESS OTHERWISE INDICATED.
08-ALL UNDERGROUND SANITARY PIPE WORK BETWEEN INSPECTION CHAMBERS SHALL BE HEAVY DUTY PVC.
09-LOCATION OF ALL FLOOR TRAP AND FLOOR DRAIN WITHIN THE KITCHEN & TOILETS SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS.
10-PROVIDE AND INSTALL SLEEVES ONE PIPE SIZE LARGER, UNLESS NOTED OTHERWISE, FOR ALL PLUMBING PIPING PENETRATING SHAFT WALLS, MASONRY WALLS, ETC...
11-EXPANSION JOINT TO BE INSTALLED IN ALL PIPES CROSSING A STRUCTURE JOINT AND WHERE REQUIRED FOR THERMAL EXPANSION AND ANCHOR POINTS.
12-ALL EXPOSED DRAINAGE PIPES RUNNING IN FALSE CEILING ABOVE CLASSROOM AREAS SHOULD BE LAGGED WITH ACOUSTIC INSULATION.
13-MINIMUM DRAINAGE PIPE SLOPE SHALL BE 1%
14-LOCATION OF SEPTIC TANK AND MANHOLES SHALL BE COORDINATED BY THE CONTRACTOR ON SITE
15-ALL PVC PIPES CROSSING FIRE RATED WALLS SHALL HAVE FIRE STOPS

OWNER NAME:	
	
CLIENT:	
	
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PROJECT NAME: REHABILITATION OF GRAND SERAIL	CODE No: L1202
PROJECT LOCATION: Beirut - Lebanon	
NOTES:	
NORTH:  N	
KEY PLAN: 	
SCALE NTS	
DATE: May 2022	
DRAWN BY:BM - MD	
DESIGNED BY:BM - MD	
CHECKED BY :BS	
APPROVED BY :AC	
SHEET TITLE General Notes	
SHEET NO. L1202-CD-M-001-A1	Revision NO. 00

WATER

SYMBOLS	DESIGNATION
VALVES	
	GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	DRAIN VALVE
	FLOAT VALVE
	WATER HAMMER ARRESTOR
	STRAINER
	DOUBLE REGULATING VALVE
	PRESSURE RELIEF VALVE

SYMBOLS	DESIGNATION
EQUIPMENT	
	CONCRETE WATER TANK
	PUMP
	VERTICAL PRESSURE VESSEL
	ELECTRIC WATER HEATER

ABBREVIATIONS	DESIGNATION
SERVICES PIPES	
CW	COLD WATER
HW	HOT WATER
HWR	HOT WATER RETURN
PW	POTABLE WATER
SW	SOFT WATER
IW	IRRIGATION WATER
EQUIPMENT	
BP-X	BOOSTER PUMP NUMBER X
RCIR-X	RECIRCULATING HOT WATER PUMP X
EWH-X	ELECTRIC WATER HEATER X
HWST-X	HOT WATER STORAGE X
HB	HOSE BIBE
AB	ABLUTION

WATER



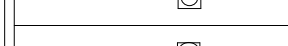
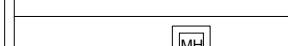





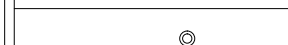



INDIVIDUAL FIXTURES PIPE SIZE TABLE					
FIXTURE	CW	HW	SOIL OR WASTE	VENT	
AWC(FT)	1/2"	—	4"	2"	
AWC(FV)	1 1/4"	—	4"	2"	
B	1/2"	1/2"	1 1/2"	1 1/4"	
BT	1/2"	1/2"	2"	1 1/4"	
CS	1/2"	—	1/2"	1 1/4"	
DF	1/2"	—	1 1/4"	1 1/4"	
D/W	1/2"	1/2"	2"	—	
EW(FT)	1/2"	—	4"	2"	
EW(FV)	1 1/4"	—	4"	2"	
FD	—	—	3"	—	
HB	3/4"	—	—	—	
KS	1/2"	1/2"	2"	1 1/4"	
LAV	1/2"	1/2"	1 1/2"	1 1/4"	
LS	1/2"	1/2"	1 1/2"	1 1/4"	
MS	1/2"	—	3"	1 1/2"	
S(ALL TYPES)	1/2"	1/2"	1 1/2"	1 1/4"	
SCS	1/2"	1/2"	2"	1 1/4"	
SH	1/2"	1/2"	2"	1 1/4"	
UR(FT)	1/2"	—	2"	1 1/4"	
UR(FV)	1"	—	2"	1 1/4"	
US	1/2"	1/2"	1 1/2"	1 1/4"	
WM	1/2"	1/2"	2"	—	
WT	1/2"	—	—	—	

FIRE

ABBREVIATIONS	DESIGNATION
MISCELLANEOUS	
FE-1	10 LBS DRY POWDER PORTABLE FIRE EXTINGUISHER
FP	FIRE PIPE
FHC	FIRE HOSE CABINET
⊗	1/2" SPRINKLER HEAD

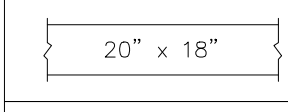
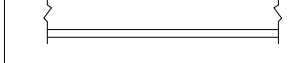
DRAINAGE

ABBREVIATIONS	DESIGNATION
SP	SOIL PIPE
WP	WASTE PIPE
RW	RAIN WATER
VP	VENT PIPE
DP	DRAIN PIPE
CDP	CONDENSATE DRAIN PIPE
BD	BALCONY DRAIN
RD	ROOF DRAIN
HL	HIGH LEVEL
CL	CEILING LEVEL
IW	IN WALL
U/T	UNDER TILES
BFS	BELOW FLOOR SLAB
CL	CEILING LEVEL
T/A	TO ABOVE
T/B	TO BELOW
F/A	FROM ABOVE
F/B	FROM BELOW

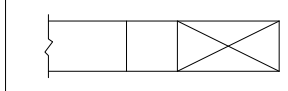
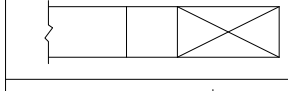
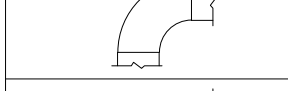
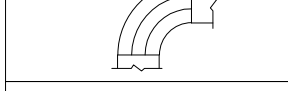




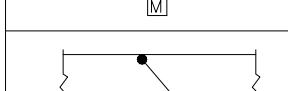
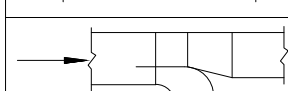
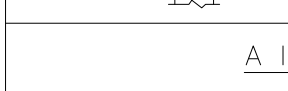

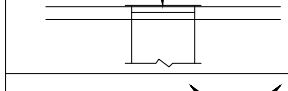
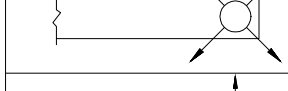
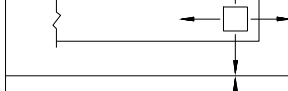
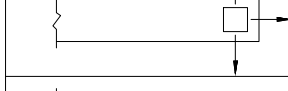
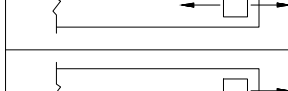

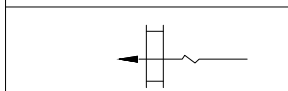

SYMBOLS	DESIGNATION
	AREA DRAIN
	TERRACE DRAIN
	FLOOR DRAIN
	FLOOR CLEAN OUT
	SQUARE CONCRETE MANHOLE WITH COVER
	PIPE CLEANOUT
	ROOF DRAIN
	FBD - FLOWER BED DRAIN
	ISOLATING VALVE
	LAVATORY OUTLET
	P TRAP IN PLAN
	FLOOR DRAIN CONNECTION AT CEILING LEVEL
	CLEANOUT CONNECTION AT CEILING LEVEL

HVAC

ABBREVIATIONS	DESIGNATION
EAD	EXHAUST AIR DUCT
FAD	FRESH AIR DUCT
SAD	SUPPLY AIR DUCT
RAD	RETURN AIR DUCT
F/A	FROM ABOVE
F/B	FROM BELOW
T/A	TO ABOVE
T/B	TO BELOW
RL/RS	REFRIGERANT LIQUID / REFRIGERANT SUCTION
CD	SUPPLY CEILING DIFFUSER
RD	RETURN CEILING DIFFUSER
SLSD	SUPPLY LINEAR SLOT DIFFUSER
RLSD	RETURN LINEAR SLOT DIFFUSER
LBG	LINEAR BAR GRILL
RLBG	RETURN LINEAR BAR GRILL
SLBG	SUPPLY LINEAR BAR GRILL
SR	SUPPLY REGISTER
ER	EXHAUST REGISTER
VD	VOLUME DAMPER
TR	TRANSFER OPENING
BOD	BOTTOM OF DUCT
SD	SPLITTER DAMPER
FD	FIRE DAMPER
EQUIPMENT	
SIU	SPLIT INDOOR UNIT
SOU	SPLIT OUTDOOR UNIT
EF	EXHAUST FAN
FAF	FRESH AIR FAN
AHU	AIR HANDLING UNIT
FAHU	FRESH AIR HANDLING UNIT

SYMBOL	DESIGNATION
DUCT WORK	
	DUCT SIZE : 1st FIGURE SIDE SHOWN ; 2nd FIGURE SIDE NOT SHOWN
	DUCT WITH INTERNAL LINING

HVAC

SYMBOL	DESIGNATION
DUCT WORK	
	ELBOW UP
	ELBOW DOWN
	DUCT ELBOW
	DUCT ELBOW WITH TURNING VANES
	RETURN OR EXHAUST DUCT-IN SECTION
	SUPPLY DUCT-IN SECTION
	FLEXIBLE CONNECTIONS
	VOLUME DAMPER
	MOTORIZED DAMPER
	FIRE DAMPER
	SPLITTER VANE IN DUCT
AIR OUTLETS	
	SUPPLY GRILLE OR REGISTER IN WALL
	RETURN OR EXHAUST GRILLE OR REGISTER IN WALL
	ROUND CEILING DIFFUSER
	SQUARE OR RECTANGULAR CEILING DIFFUSER 4-WAY BLOW
	SQUARE OR RECTANGULAR CEILING DIFFUSER 3-WAY BLOW
	SQUARE OR RECTANGULAR CEILING DIFFUSER 2-WAY BLOW
	SQUARE OR RECTANGULAR CEILING DIFFUSER 1-WAY BLOW
	RETURN OR EXHAUST GRILLE OR REGISTER IN CEILING
	DOOR GRILLE OR LOUVER

OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

ACHÉHA Architects & engineers

Beirut office Tel: 01-809316 - 809317 Fax : 01-809315
Doha office Tel: 07-726004 Telfax : 07-725118
Email : info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

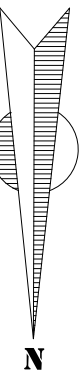
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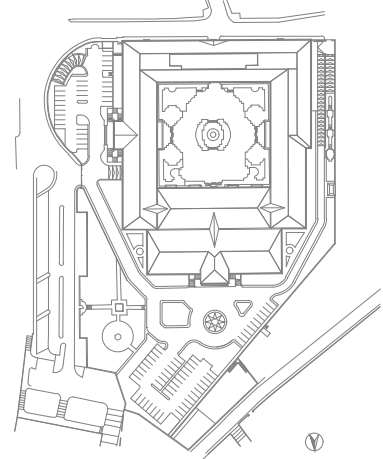
PROJECT LOCATION: Beirut - Lebanon

NOTES:

NORTH:



KEY PLAN:



SCALE

NTS

DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: BS

APPROVED BY: AC

SHEET TITLE

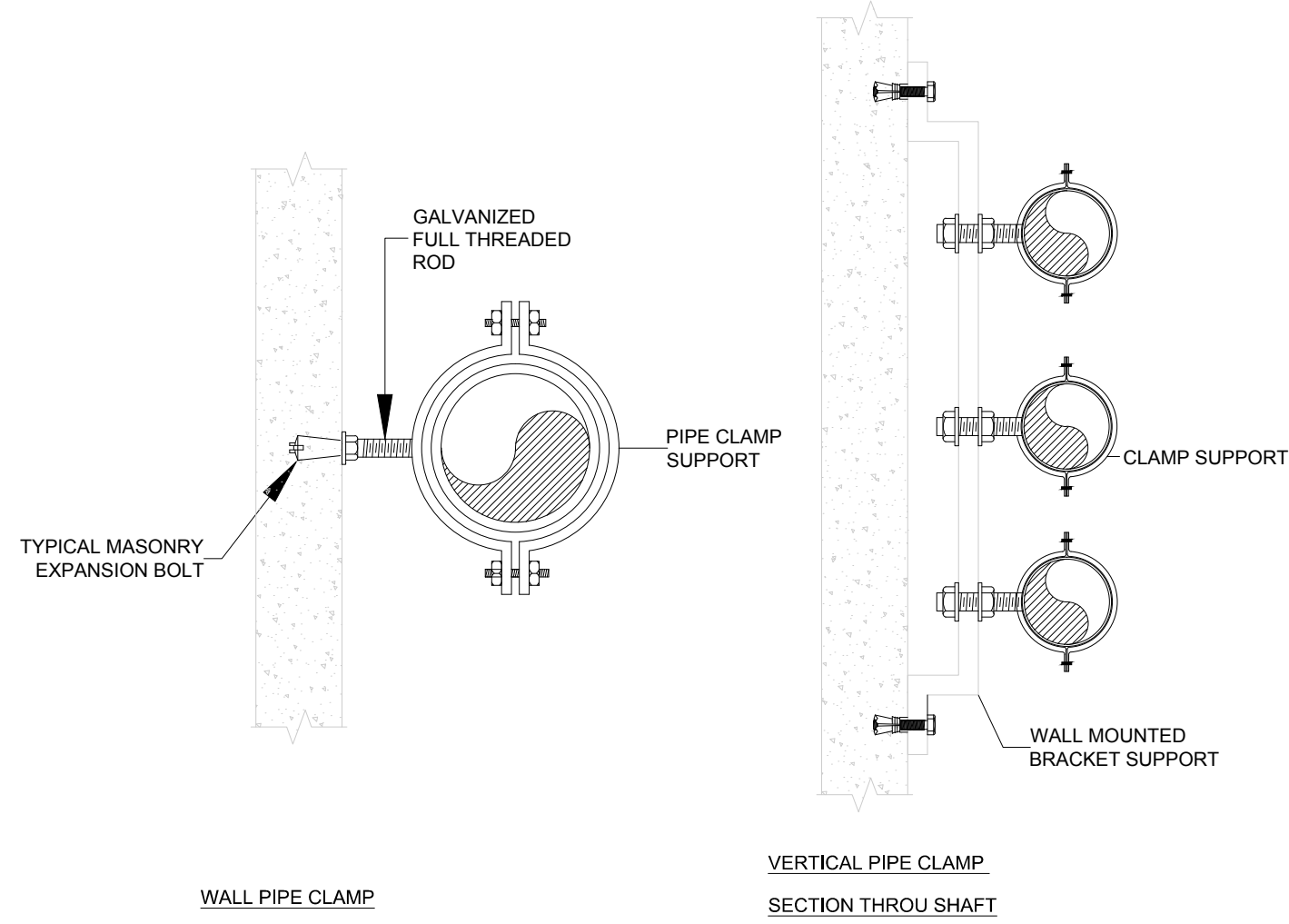
LEGEND

SHEET NO.

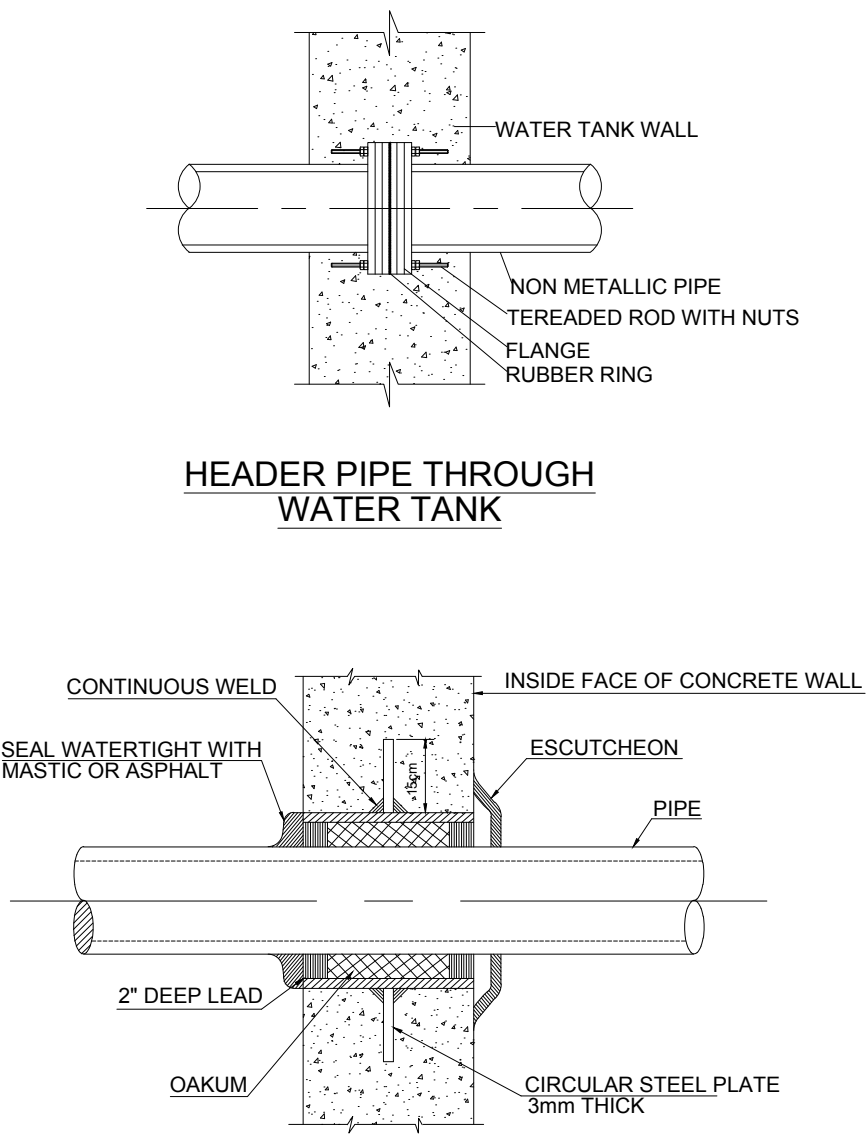
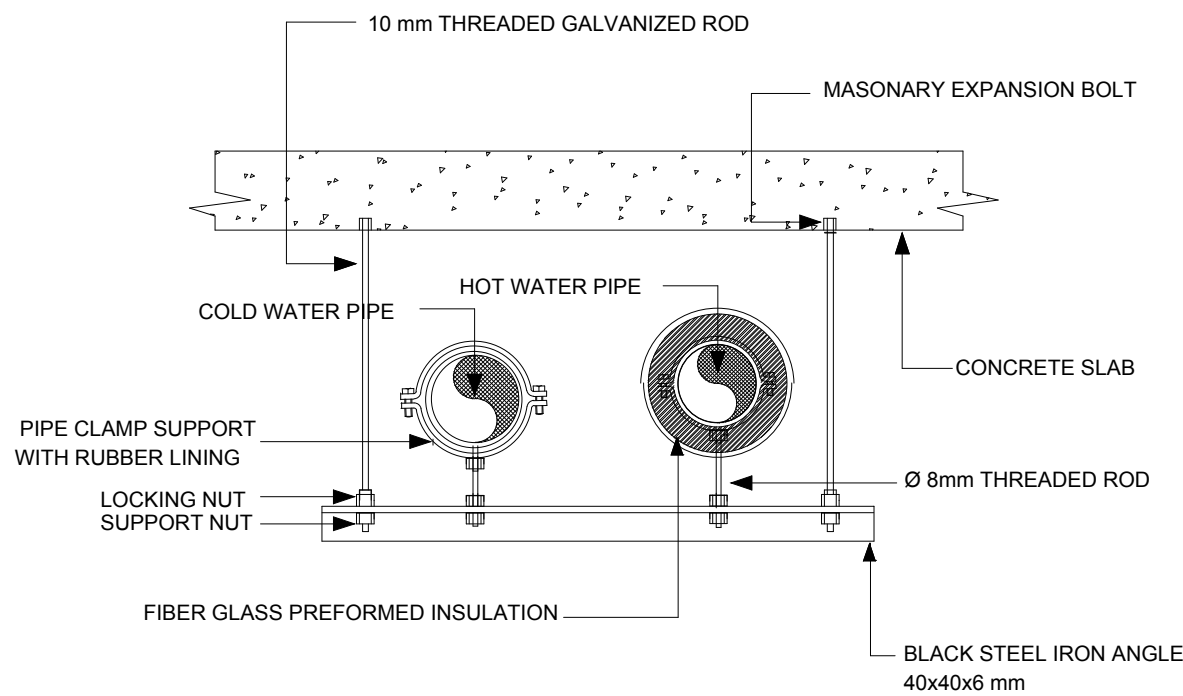
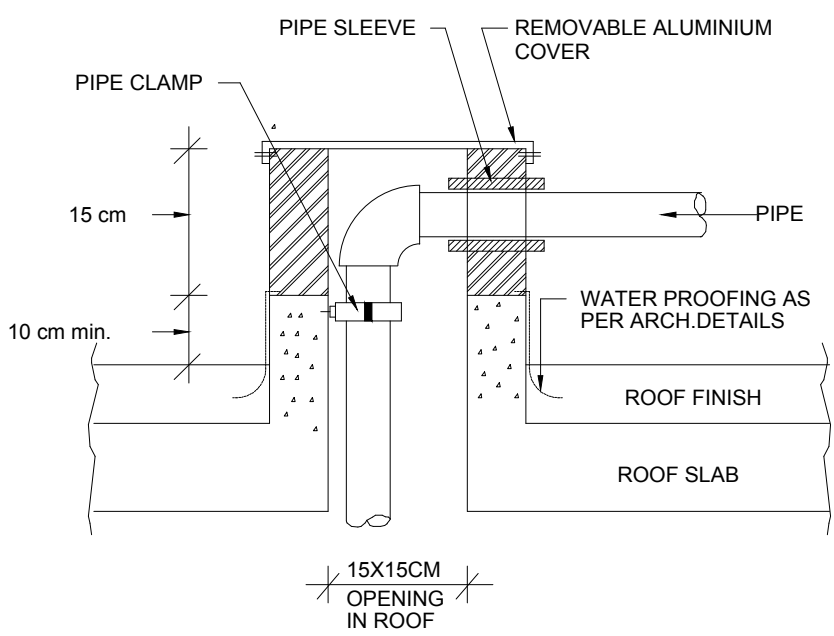
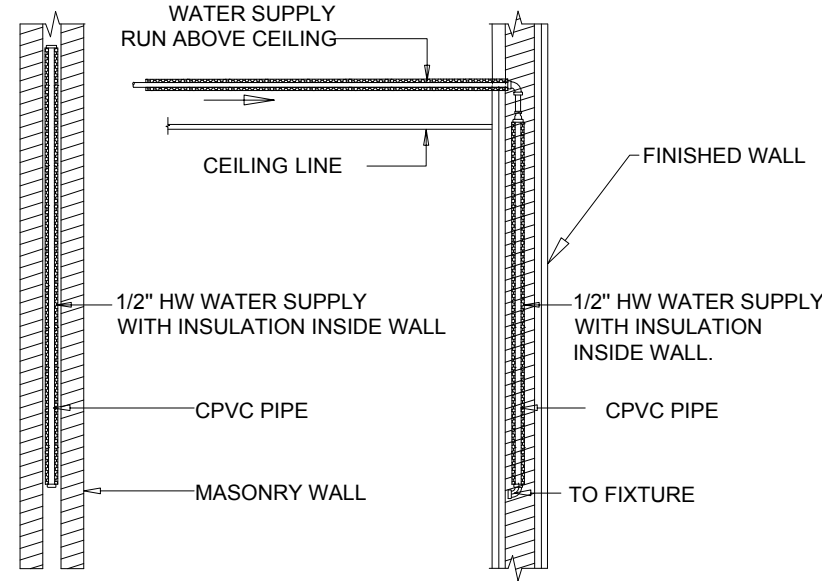
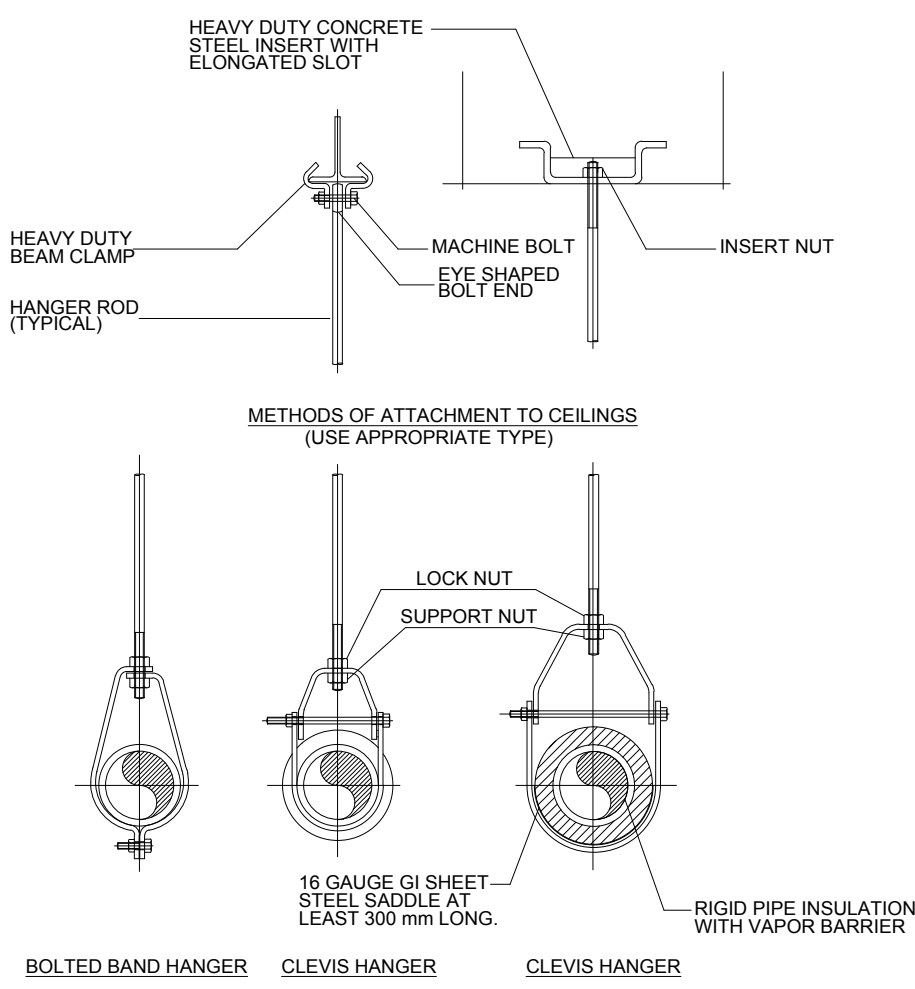
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Revision NO.

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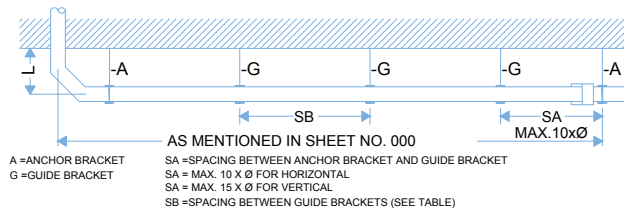


WATER PIPE SUPPORT TYPICAL DETAIL



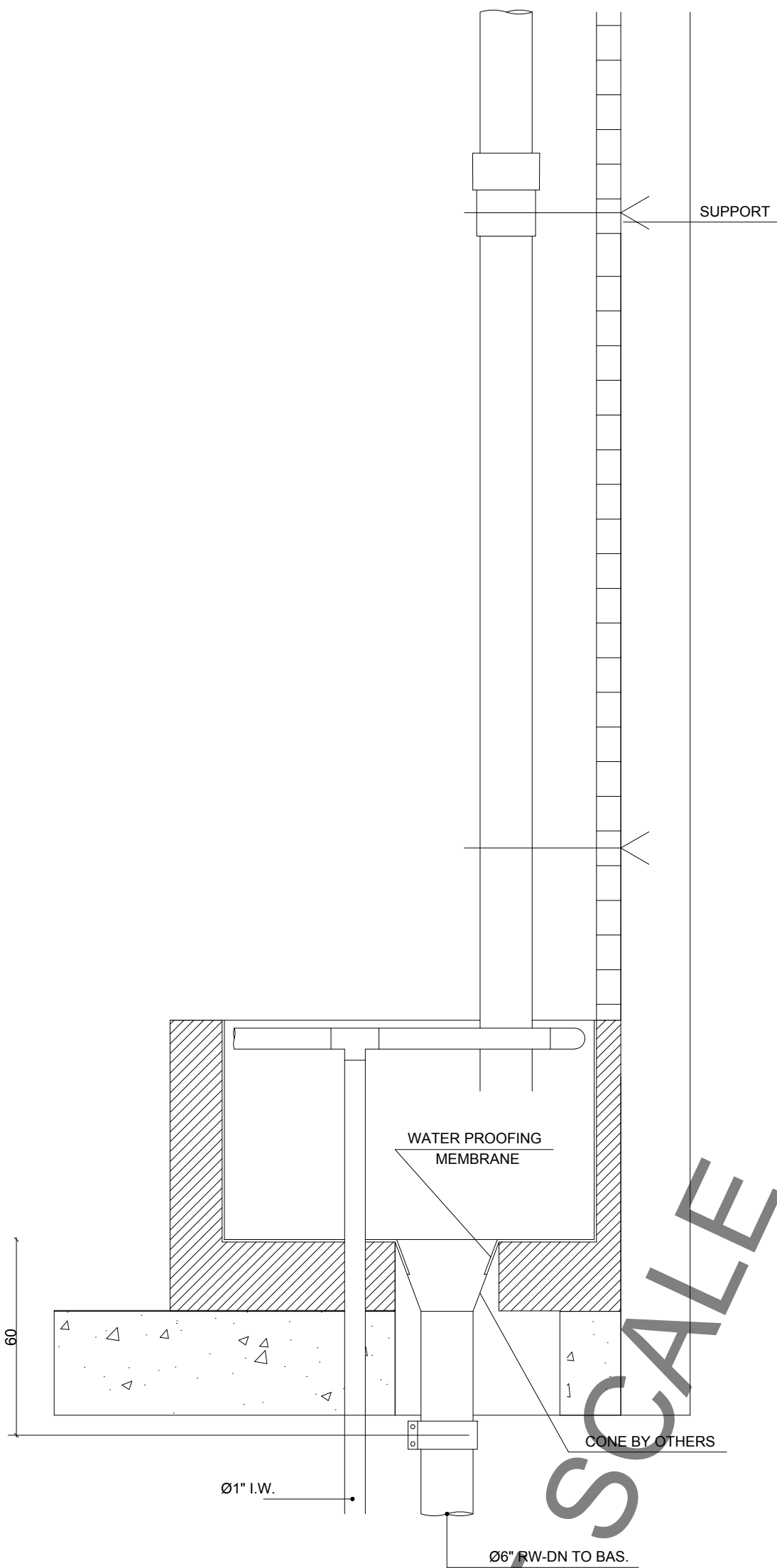
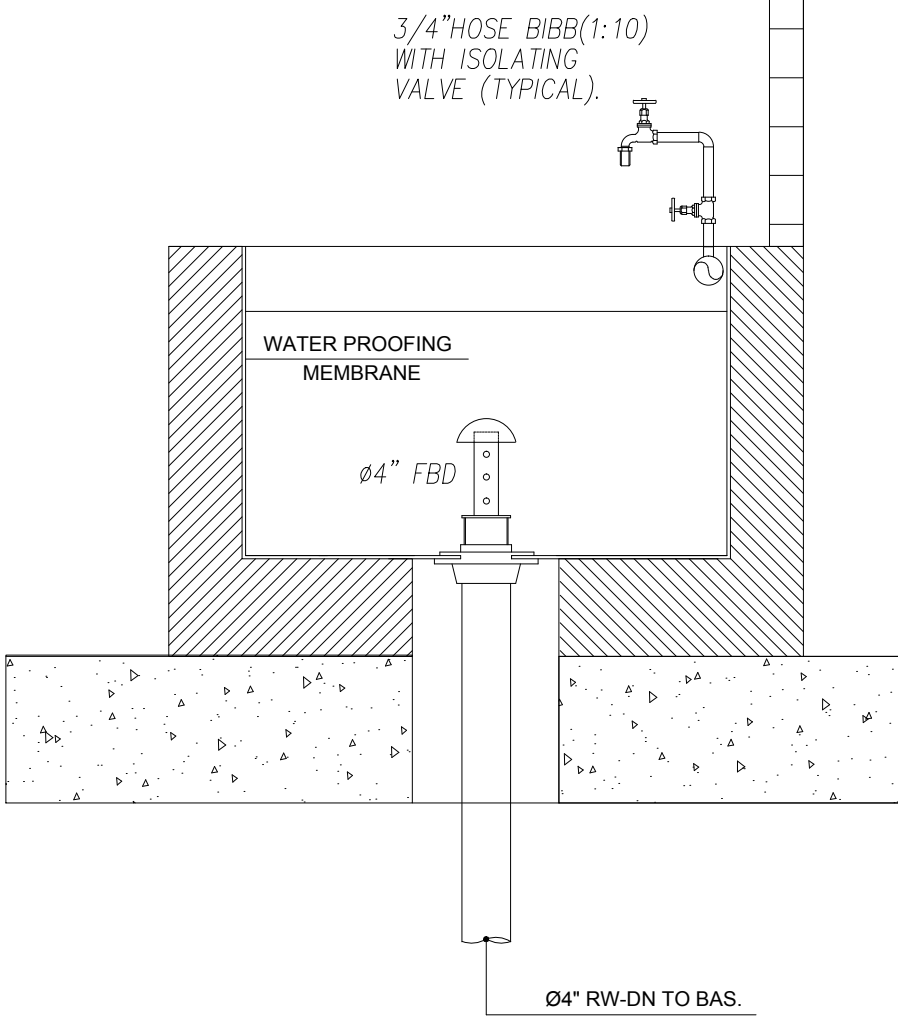
COPPER PIPE SUPPORT SPACING			
PIPE DIAMETER (mm)	MAXIMUM SUPPORT SPACING (mm)		MINIMUM SIZE OF HANGER ROD (mm)
	HORIZONTAL PIPE	VERTICAL PIPE	
15-42	1600	1200	8
54	3000	EACH STORY	8
67	3000	EACH STORY	8

STEEL PIPE SUPPORT SPACING			
PIPE DIAMETER (mm)	MAXIMUM SUPPORT SPACING (mm)		MINIMUM SIZE OF HANGER ROD (mm)
	HORIZONTAL PIPE	VERTICAL PIPE	
15	1500	10	
20	1800	10	
25	2000	10	
32	2500	10	
40	2700	10	
50	3000	10	
65	3300	10	
80	3600	10	
100	4200	13	
125	4480	16	
150	5200	22	
200	5800	25	



PRESSURE PVC PIPE SUPPORT SPACING			
PIPE DIAMETER (mm)	MAXIMUM SUPPORT SPACING (mm)		MINIMUM SIZE OF HANGER ROD (mm)
	HORIZONTAL PIPE	VERTICAL PIPE	
15	600	1200	8
20	700	1400	8
25	750	1500	8
32	800	1600	8
40	900	1800	8
50	1050	2100	8
63	1200	2400	10
75	1350	2700	10
90	1500	3000	10
110	1500	3000	10
125	1650	3300	12
160	1800	3600	12

HDPE PIPE SUPPORT SPACING			
PIPE DIAMETER (mm)	SPACING OF BRACKETS		MINIMUM SIZE OF HANGER ROD (mm)
	HORIZONTAL (m)	VERTICAL (m)	
32	0.5	1.2	8
40	0.5	1.2	8
50	0.8	1.2	8
75	0.8	1.5	10
110	1.5	2.0	10
125	1.5	2.0	12
160	1.5	2.0	12
200	2.0	2.0	15
250	3.0	3.0	15
315	3.0	3.0	15



OWNER NAME:

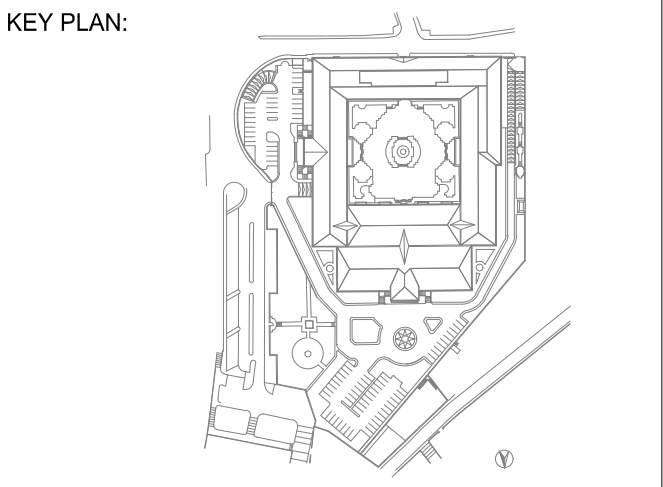
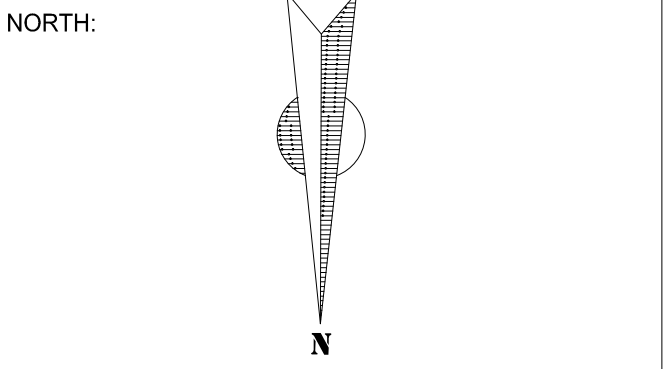
CLIENT:

CONSULTANT OFFICE :
A.CHEHAB architects & engineers

PROJECT NAME:
**REHABILITATION OF
GRAND SERAIL**

PROJECT LOCATION: Beirut - Lebanon

NOTES:



SCALE
NTS

DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

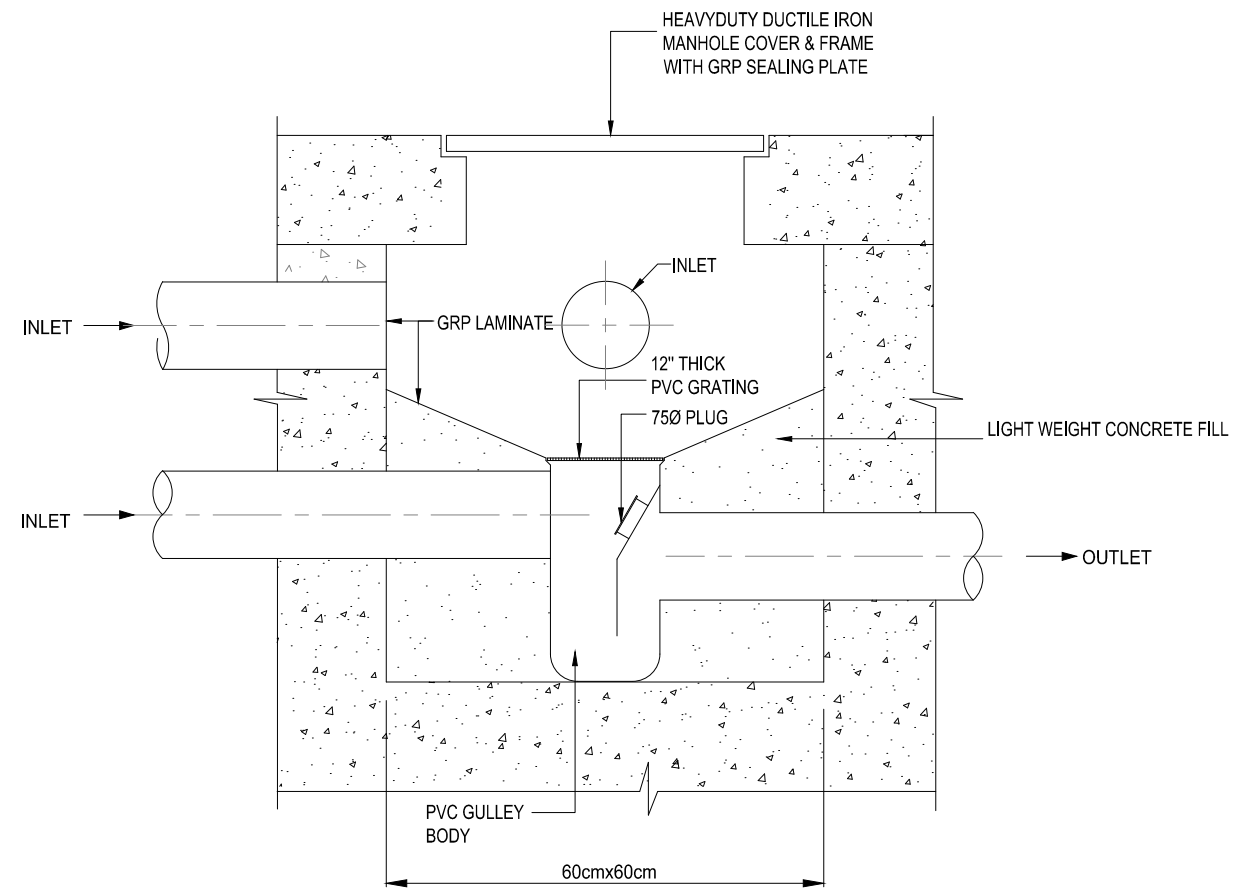
CHECKED BY: BS

APPROVED BY: AC

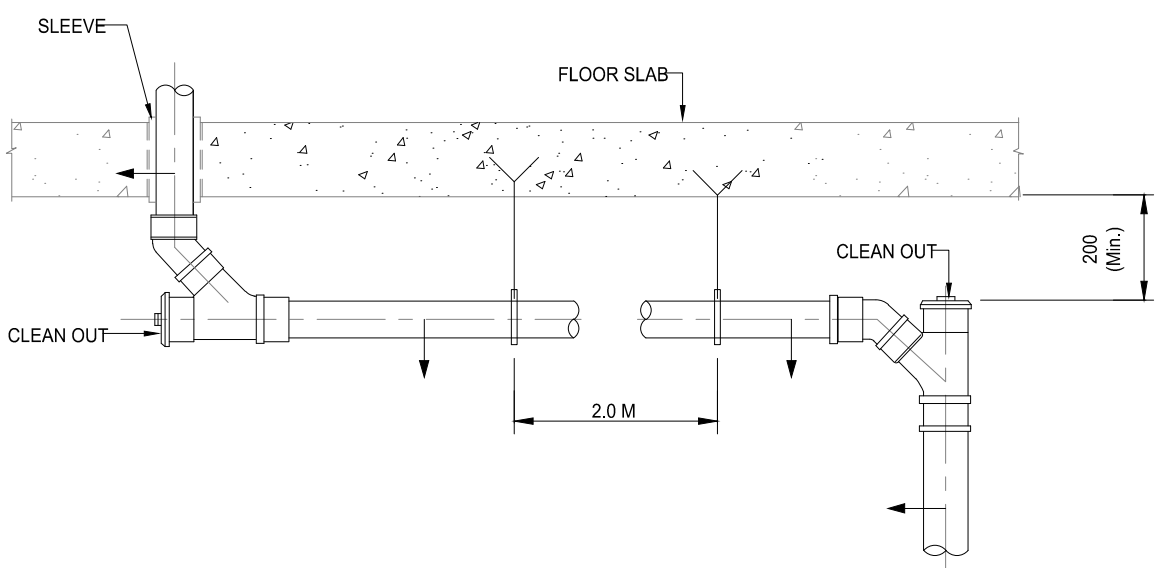
SHEET TITLE
**Plumbing Miscellaneous
Details (1/7)**

SHEET NO.
L1202-CD-M-003-A1

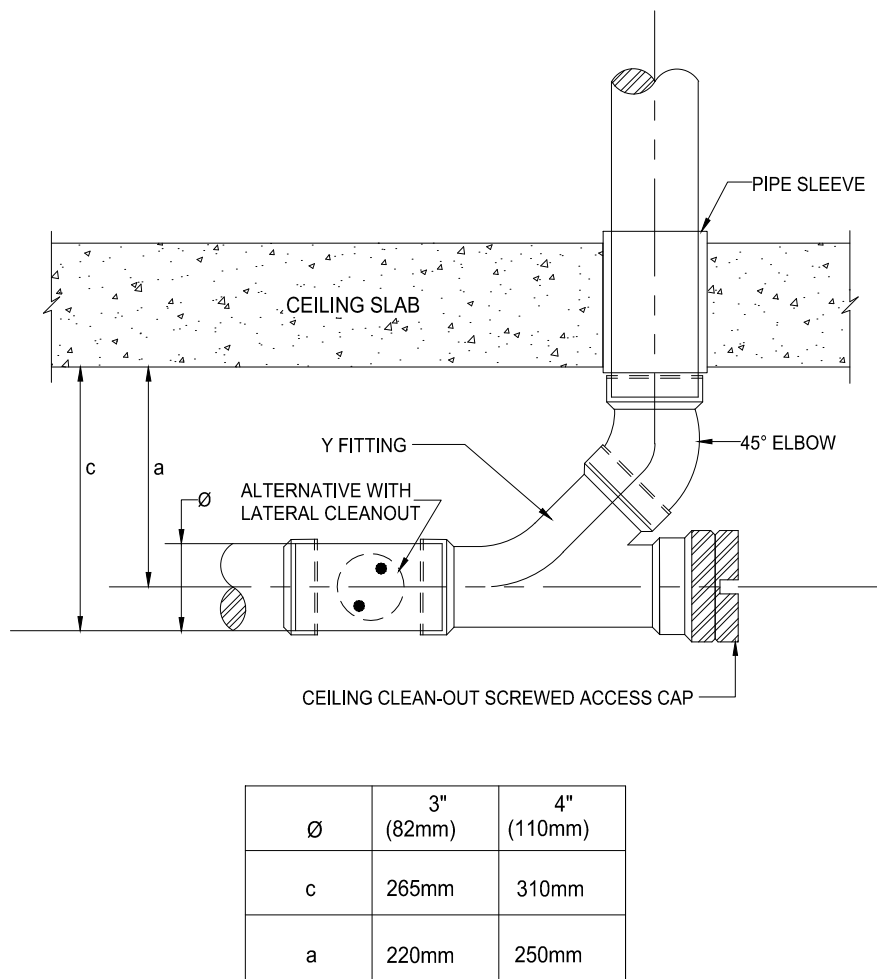
Revision NO.
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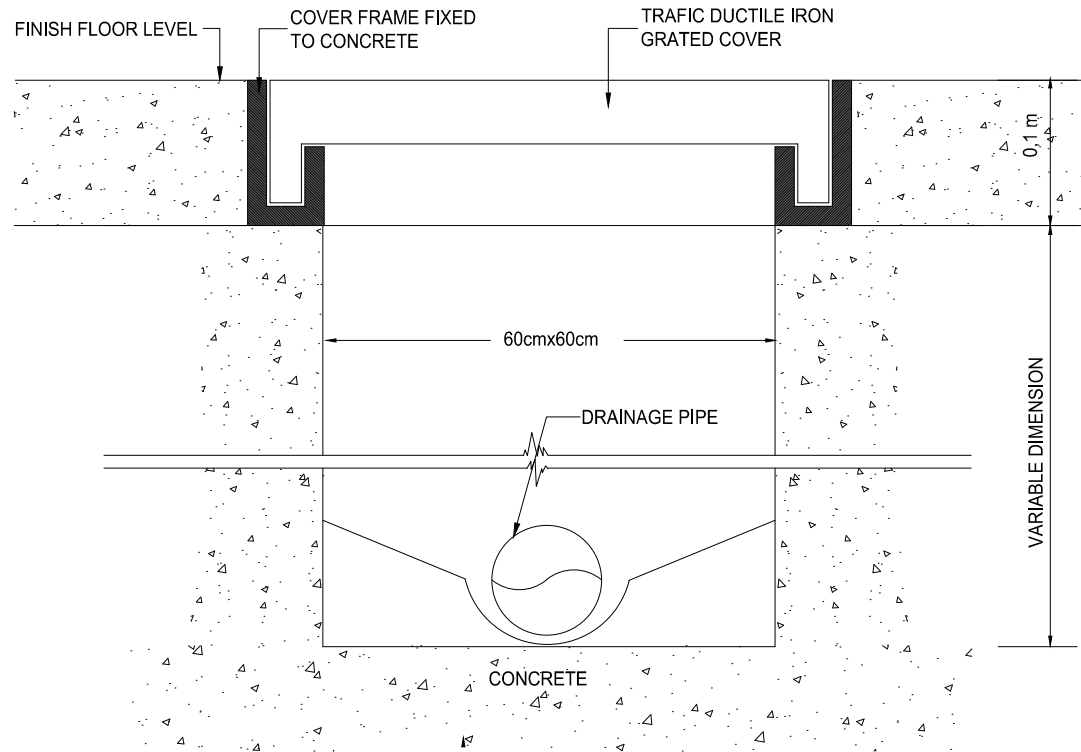
GULLY TRAP DETAIL



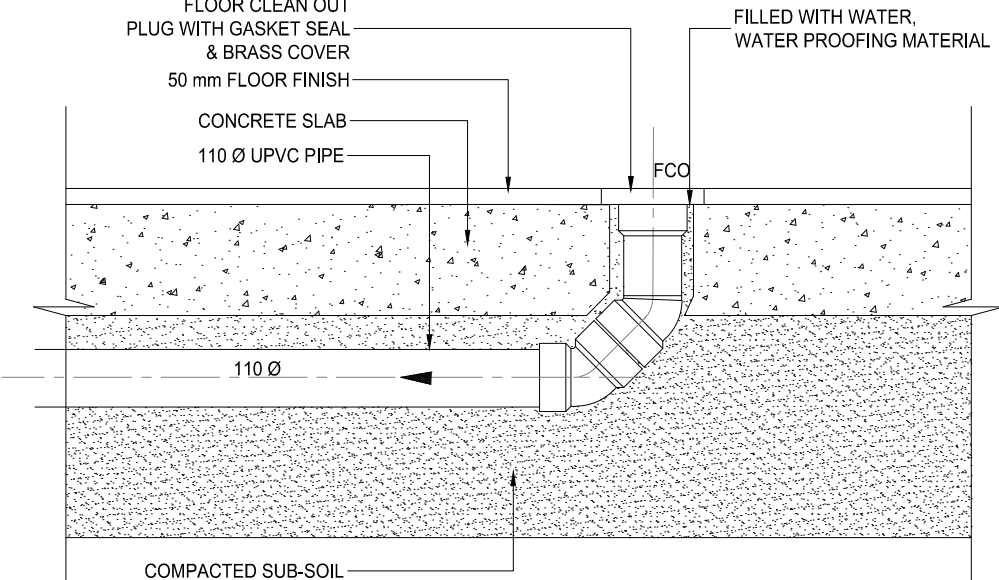
PIPE BEND & CLEANOUT



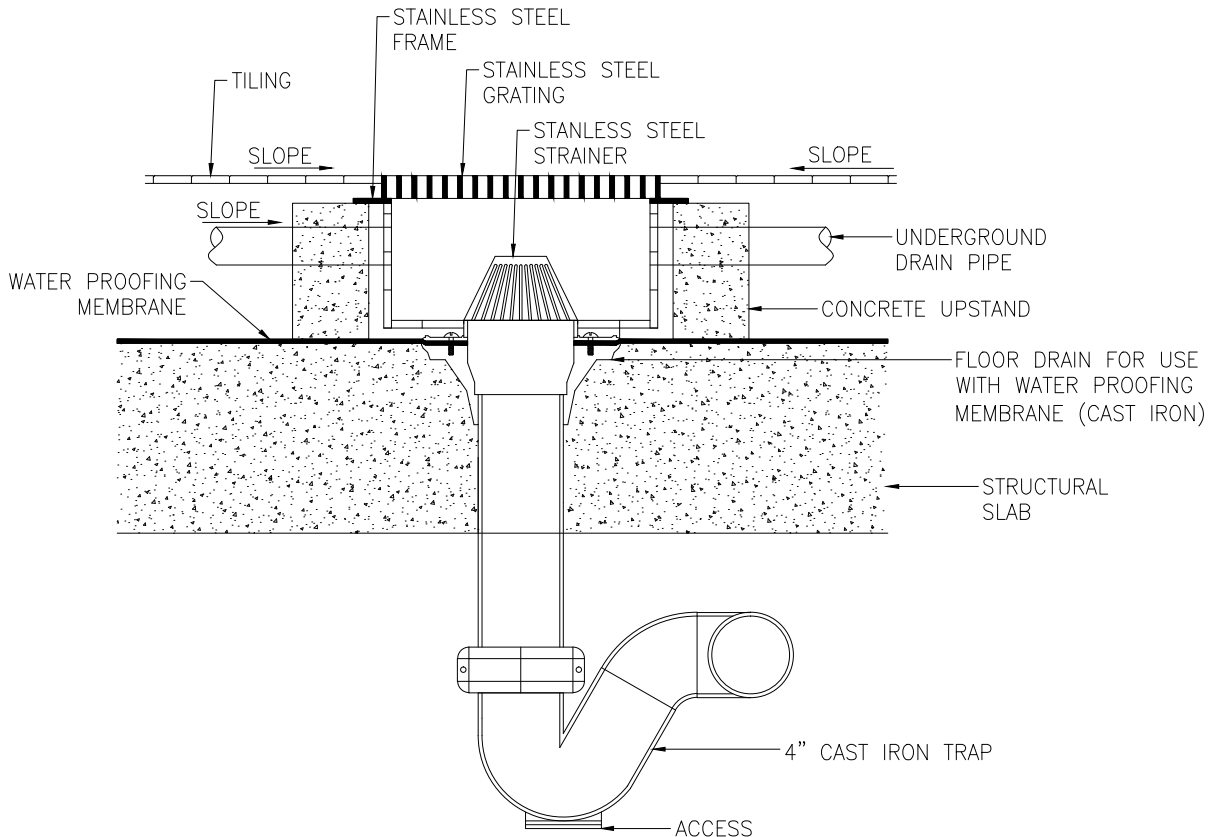
UPVC CEILING CLEANOUT DETAIL



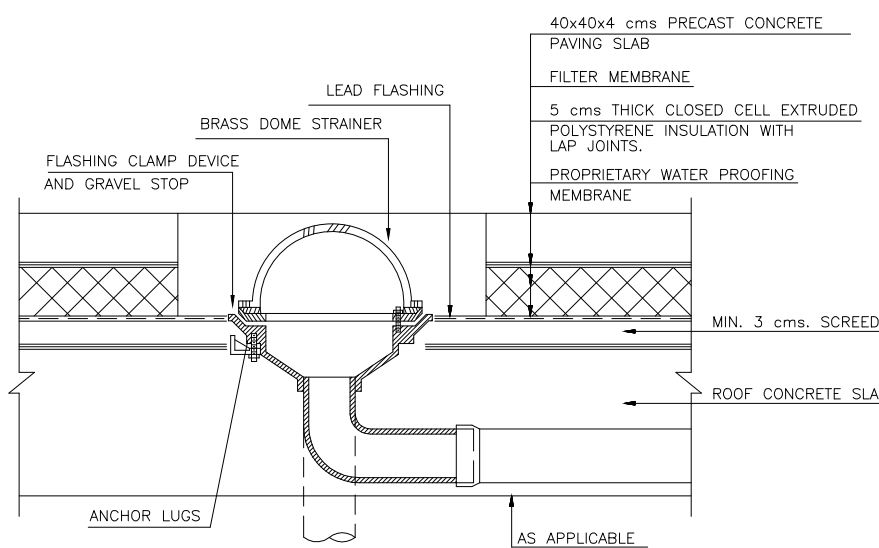
TYPICAL DUCTILE IRON GRATED COVER AND FRAME



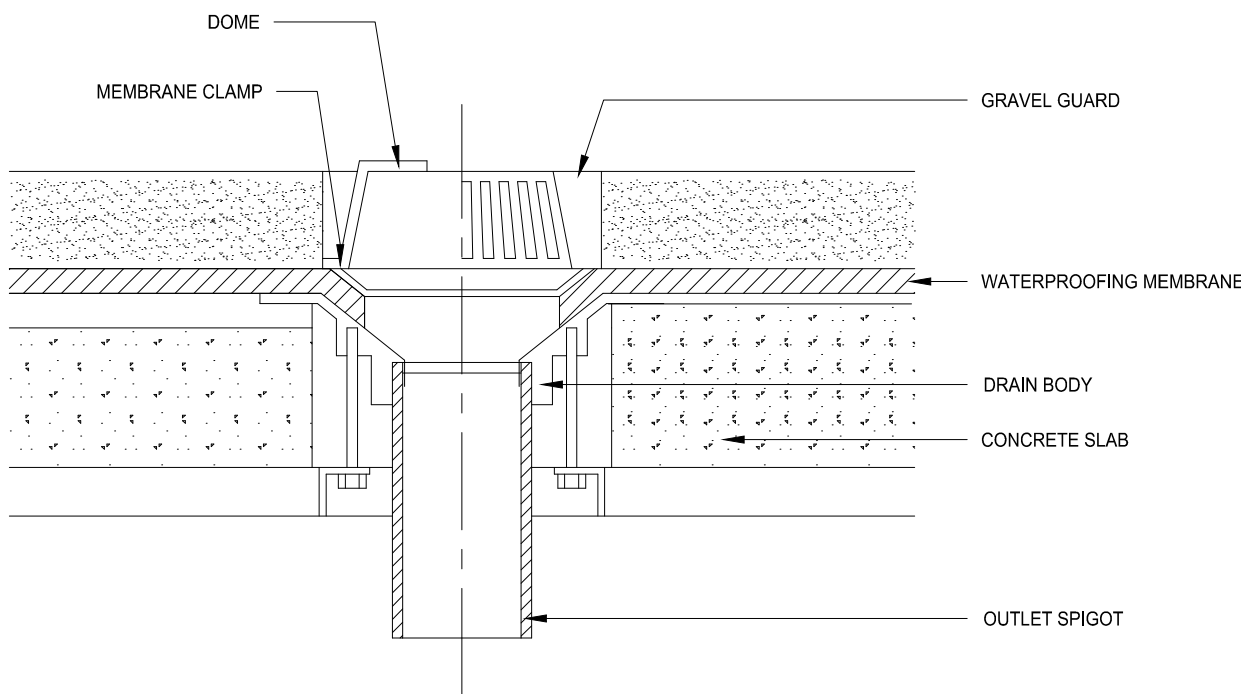
TYPICAL FLOOR CLEANOUT DETAIL



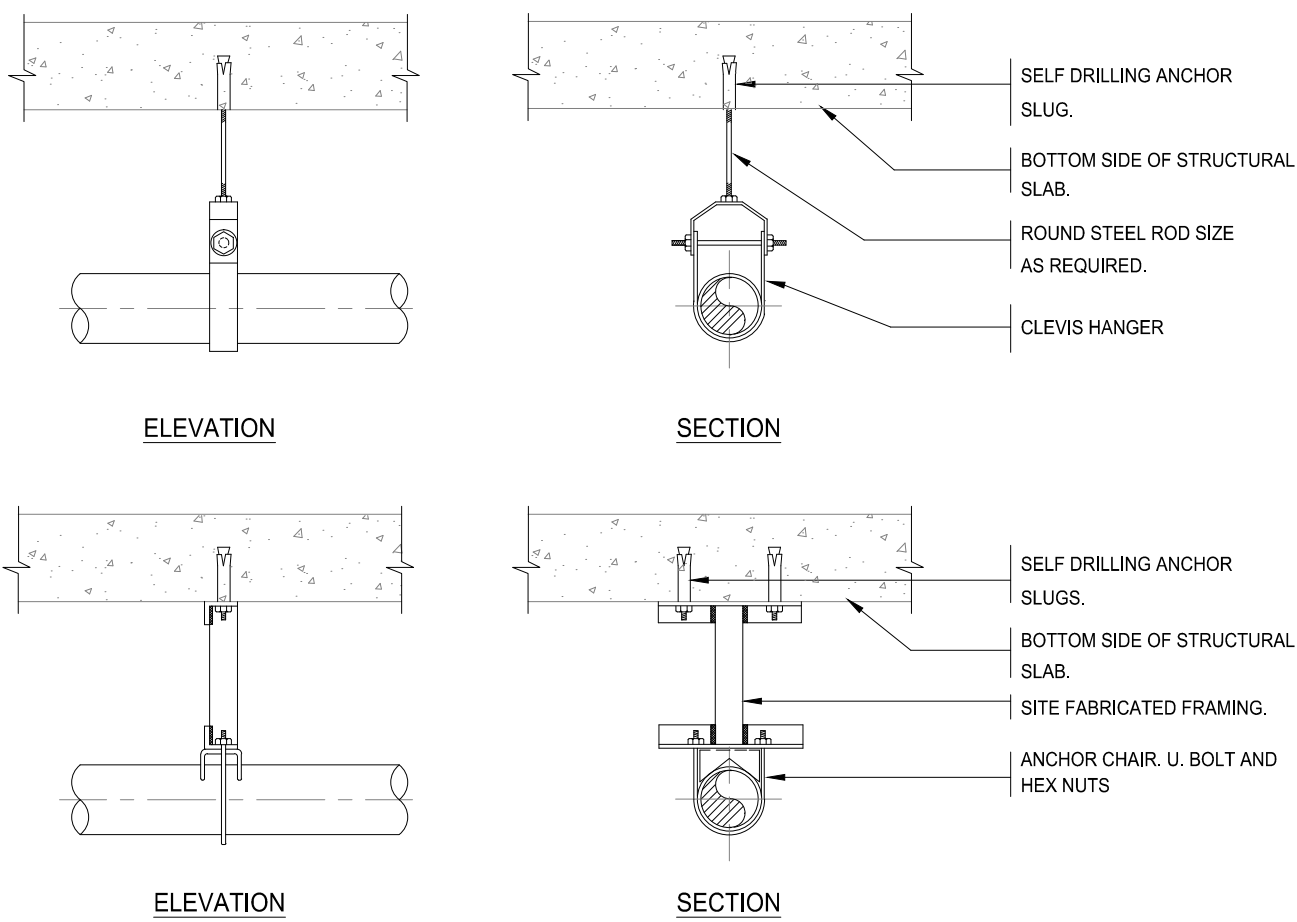
TRENCH DETAILS



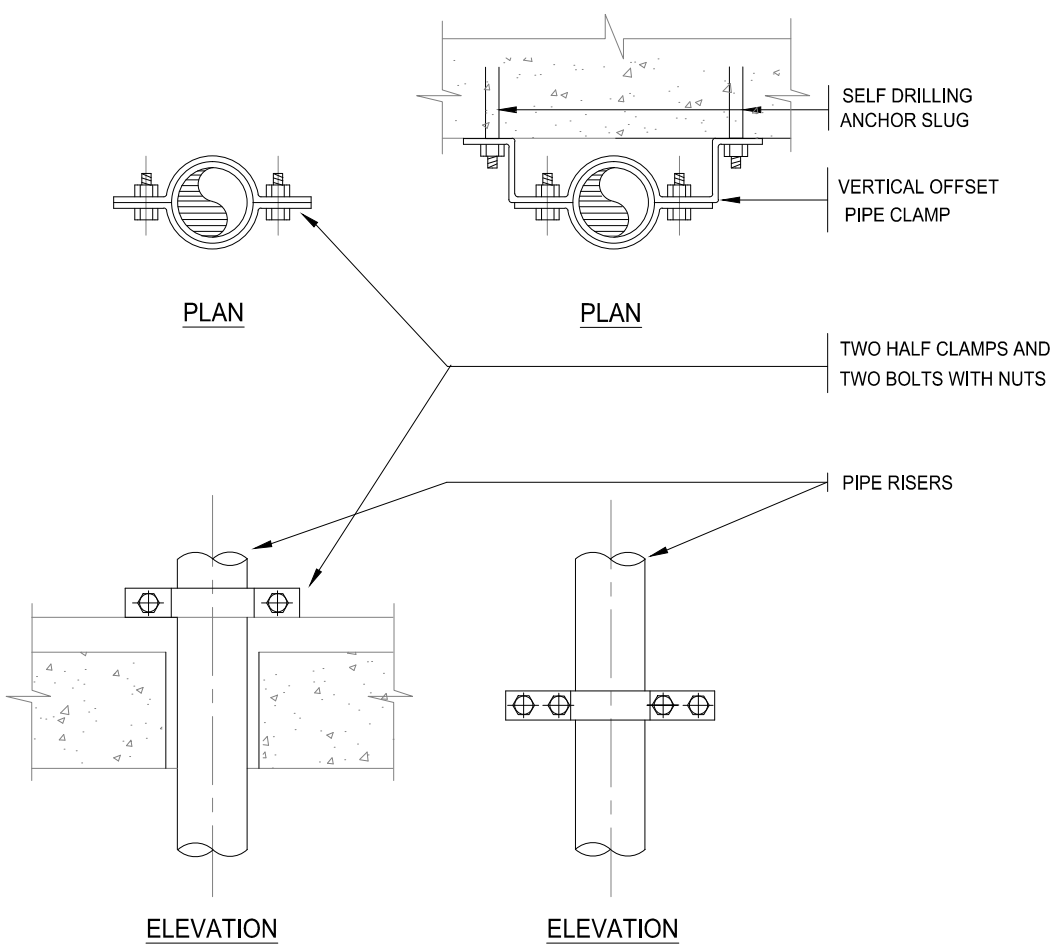
ROOF DRAIN OUTLET



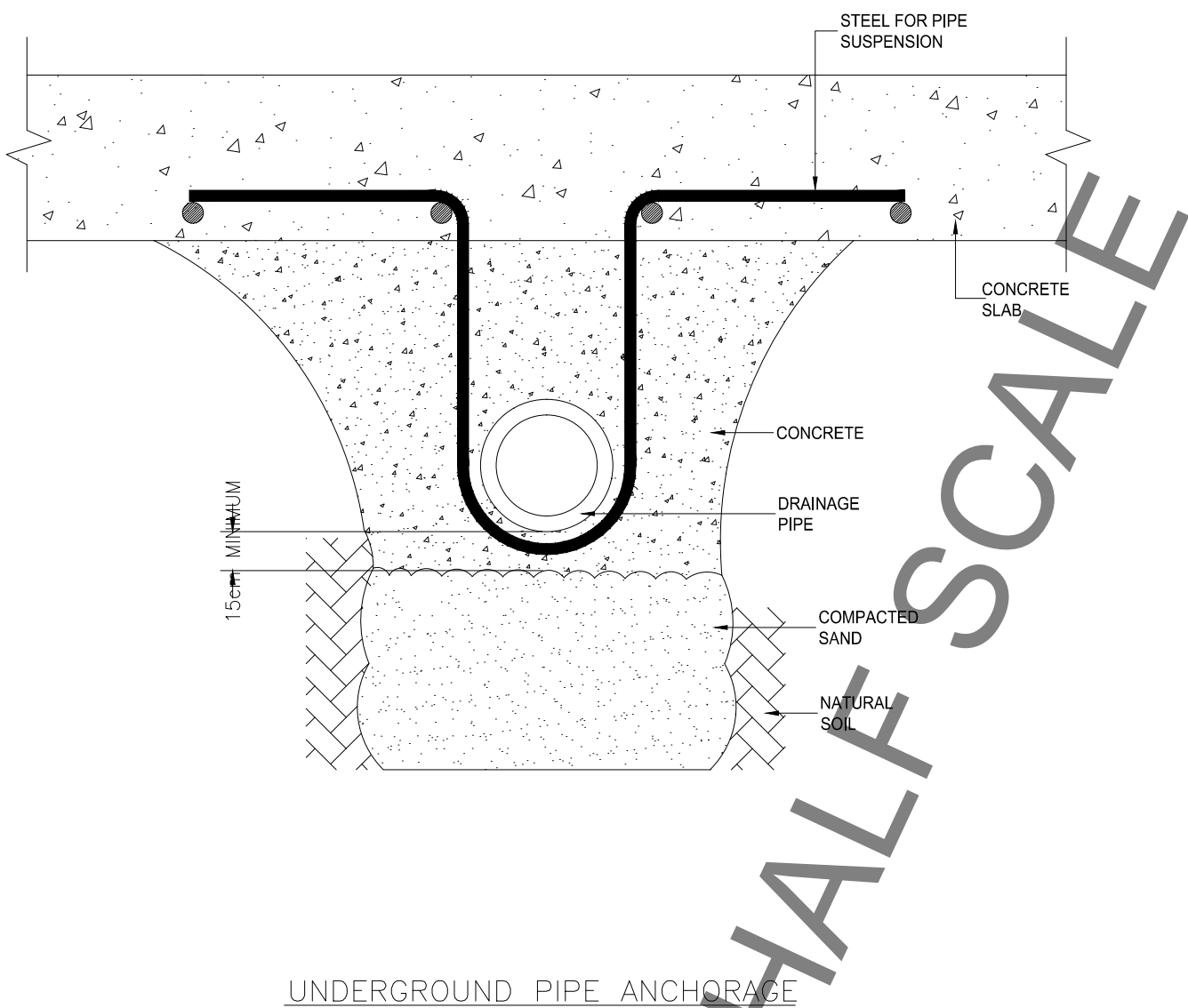
ROOF DRAIN DETAIL



HANGERS & ANCHORS FOR HORZ. DRAINAGE PIPES



FLOOR & WALL CLAMPS FOR VERTICAL RISERS



UNDERGROUND PIPE ANCHORAGE

OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

ACHEHA Architects & engineers

Beirut office Tel: 01-809316 - 809317 Fax : 01-809315
Saida office Tel: 07-726004 TelFax : 07-725118
Email : info@LDPS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

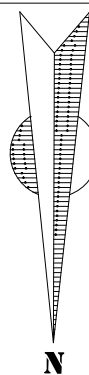
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L1202

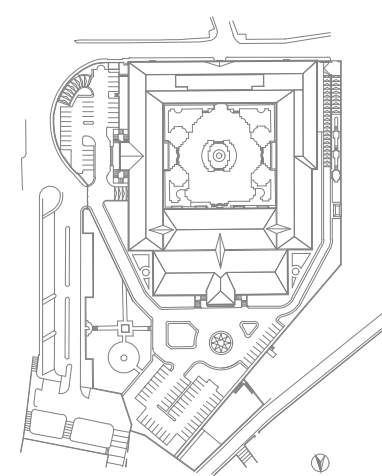
PROJECT LOCATION: Beirut - Lebanon

NOTES:

NORTH:



KEY PLAN:



SCALE

NTS

DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: BS

APPROVED BY: AC

SHEET TITLE

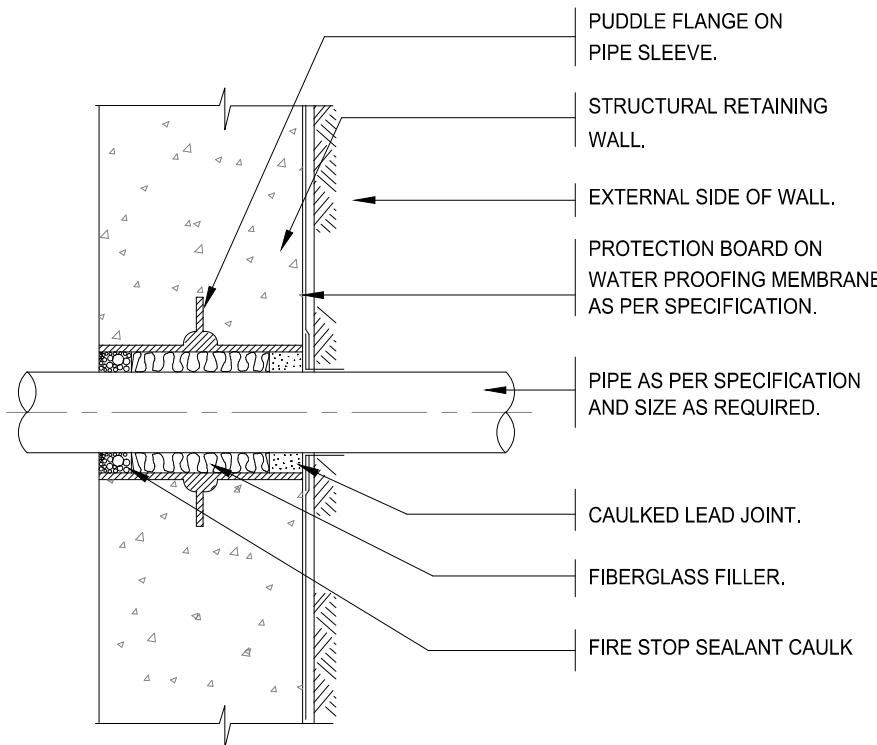
Plumbing Miscellaneous
Details (2/7)

SHEET NO.

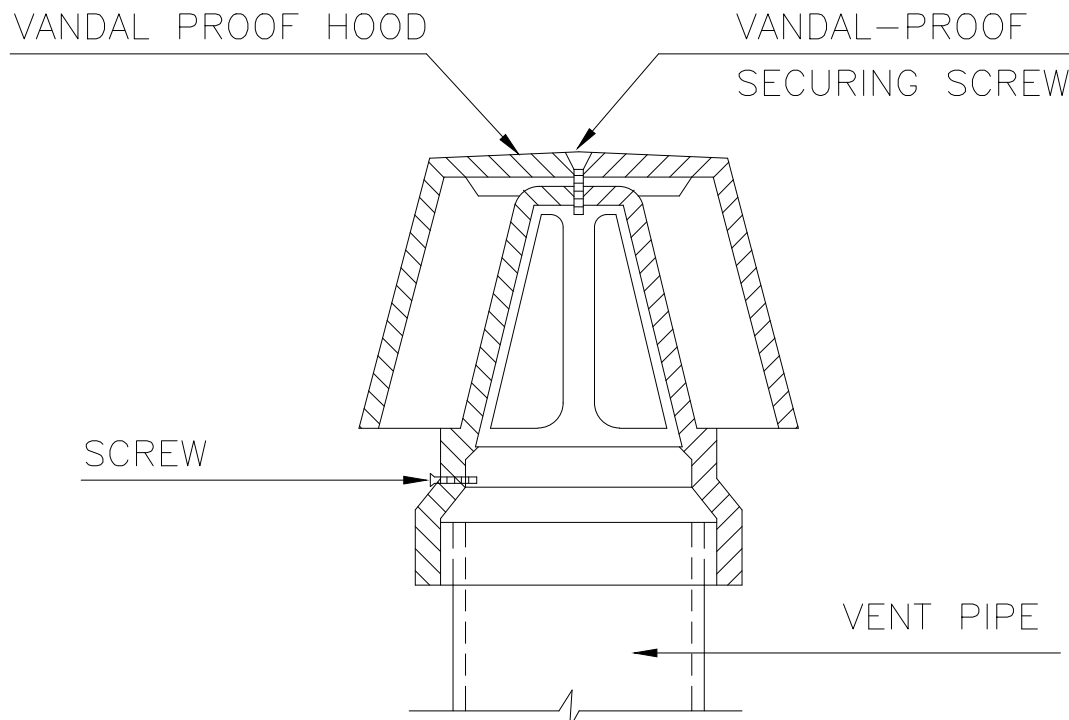
L1202-CD-M004-A1

Revision NO.

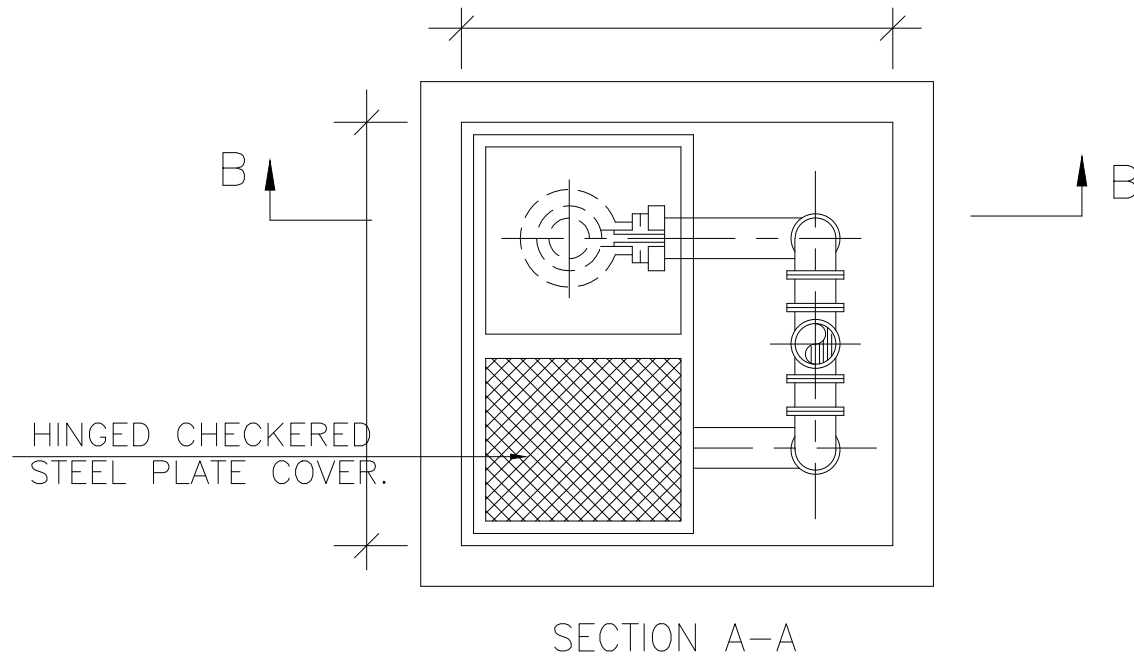
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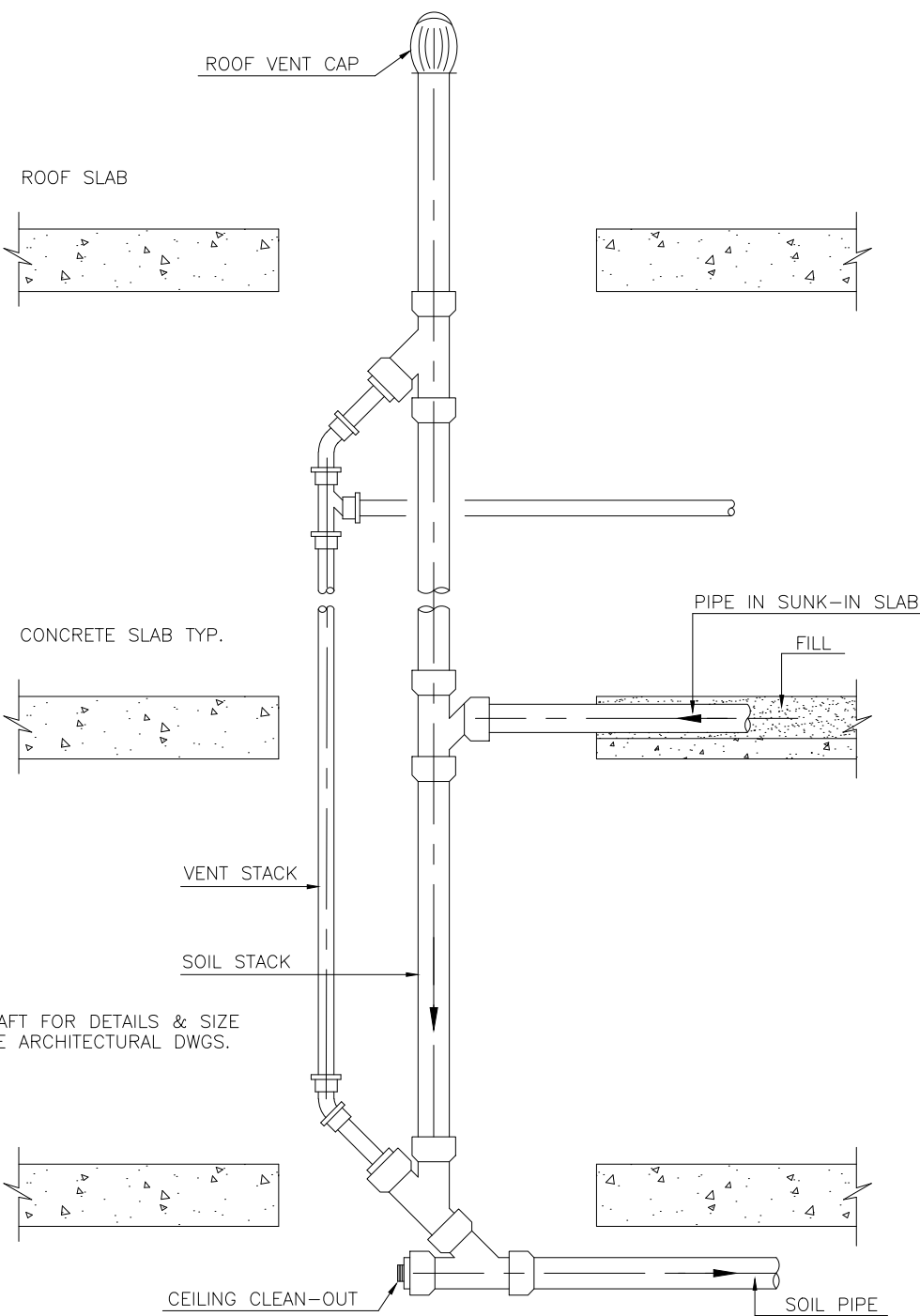
SLEEVE FOR PIPES THRU. EXTERNAL WALL



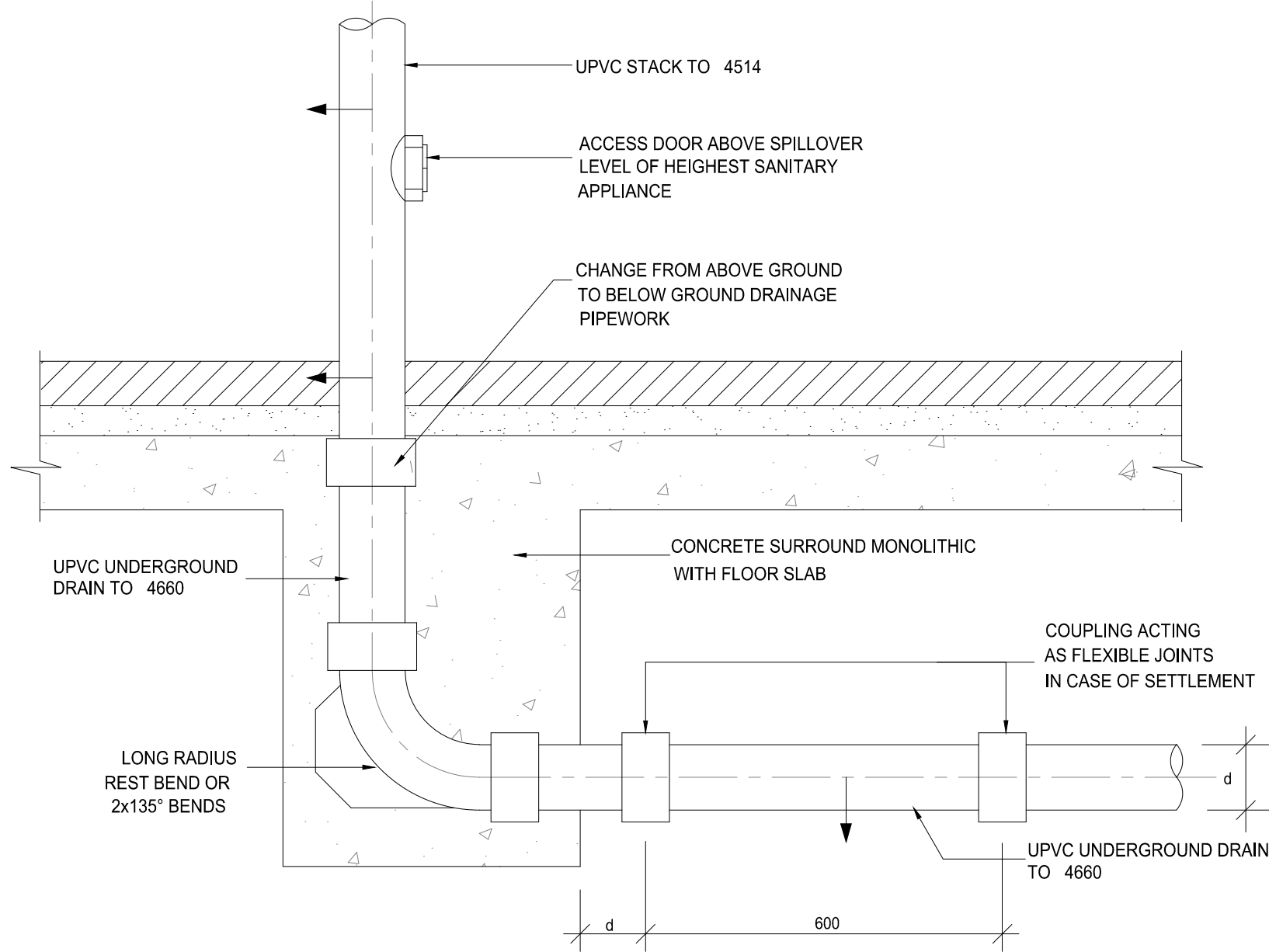
ROOF VENT CAP



SECTION A-A

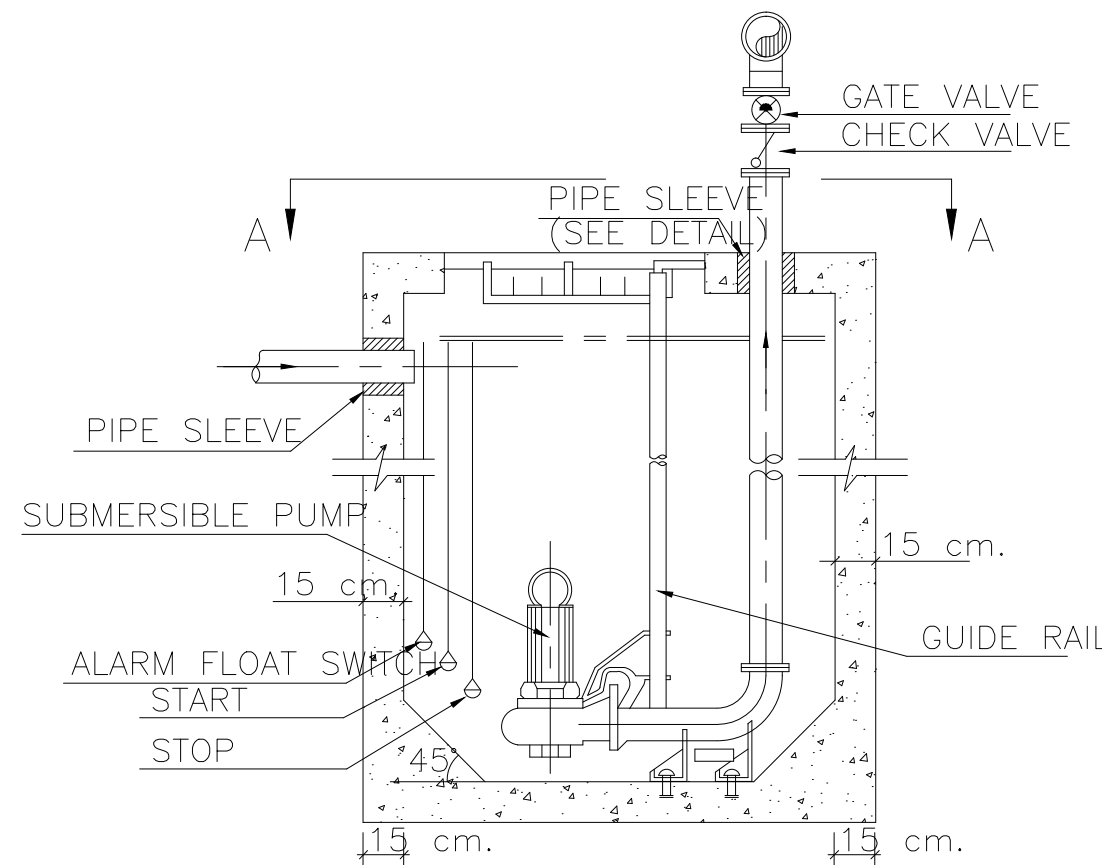


VENT & SOIL PIPE CONNECTION IN SUNK-IN SLAB



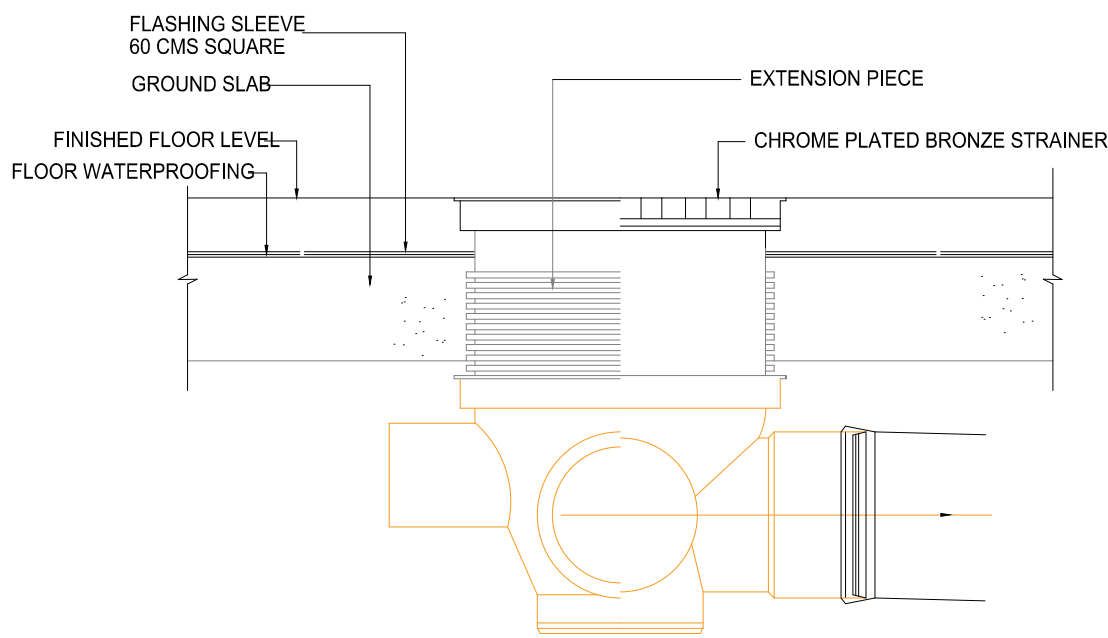
(SIMILAR DETAIL TO BE USED WHERE STACKS TRANSFORM TO ABOVE GROUND HORIZONTAL HEADERS SUBJECT TO APPROVAL OF BUILDERS WORK DRAWINGS)

TYPICAL BASE OF STACK DETAIL

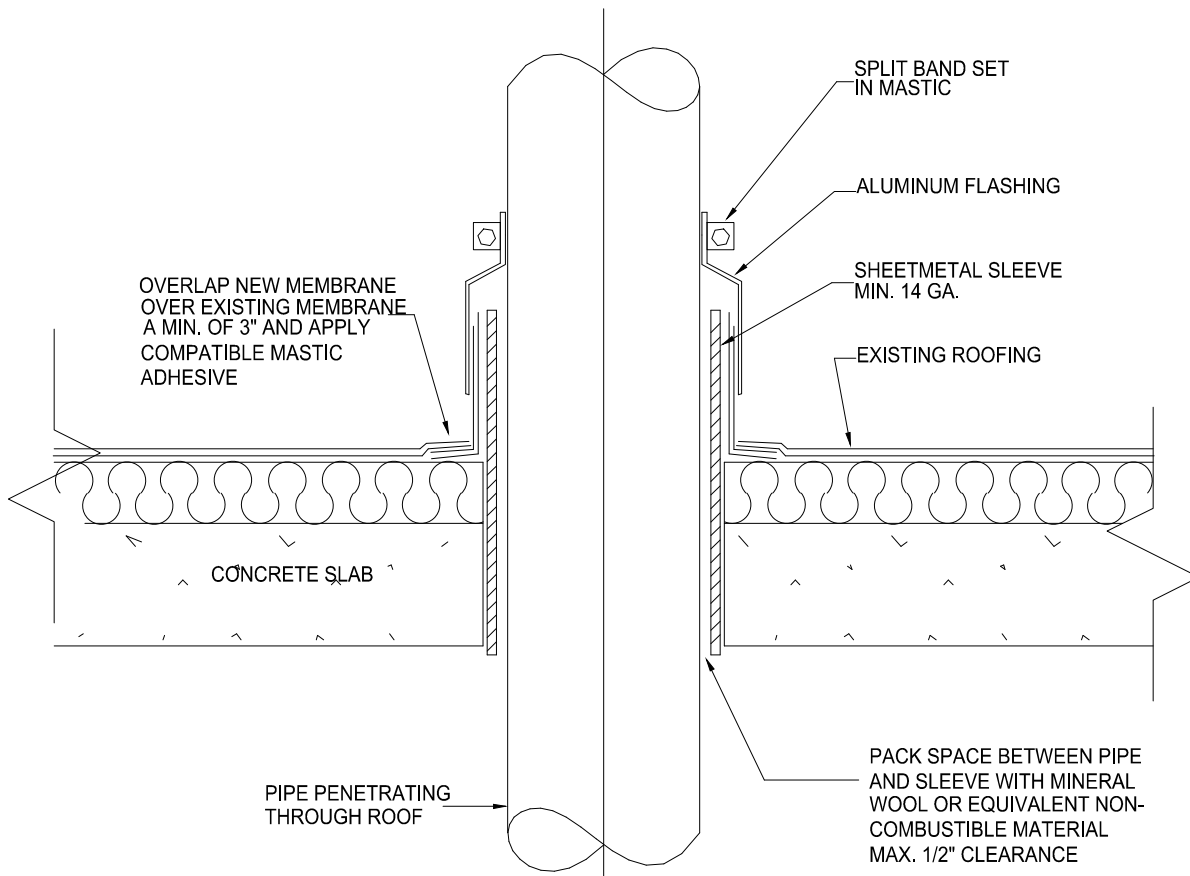


SECTION B-B

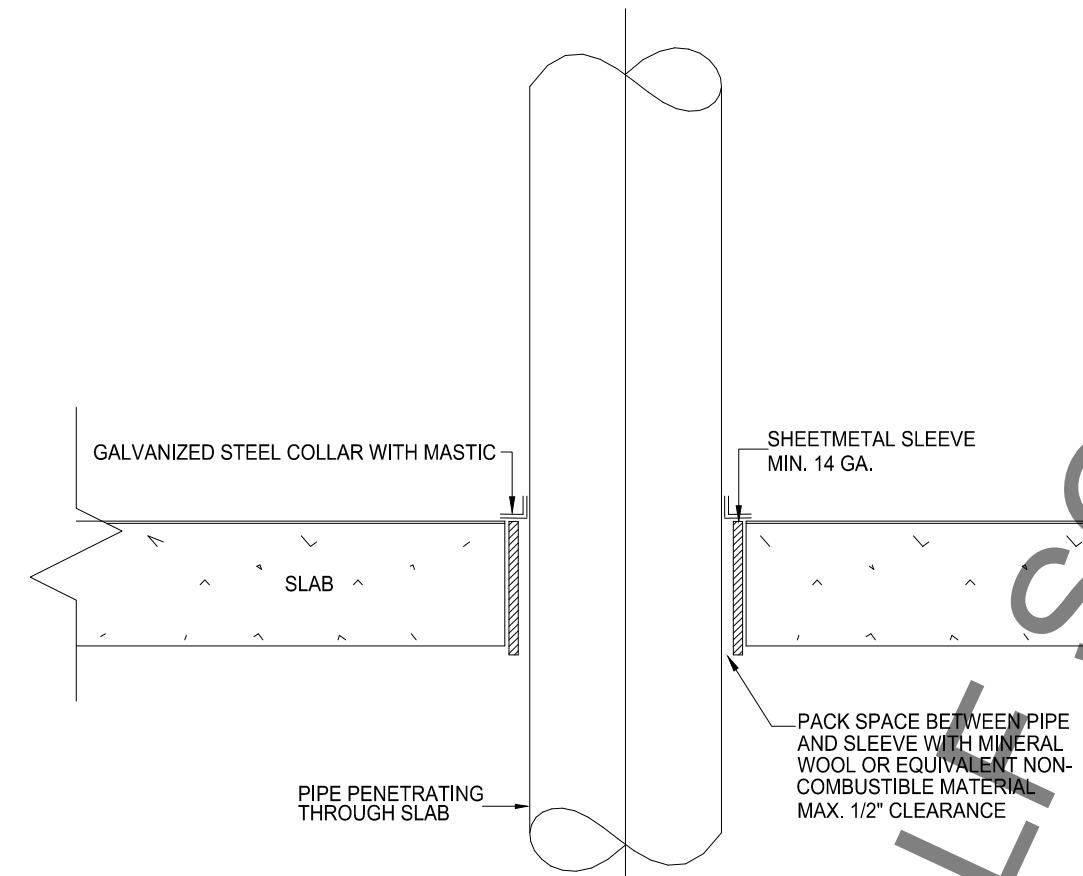
SUBMERSIBLE PUMP & SUMP DETAILS



UPVC FLOOR DRAIN DETAIL



PIPE PENETRATION THROUGH SLAB



HALI SCALE

OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

ACHEHABarchitects & engineers

Beirut office Tel: 01-809316 - 809317 Fax : 01-809315
Doha office Tel: 07-726004 Telfax : 07-725118
Email : info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

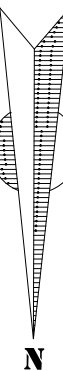
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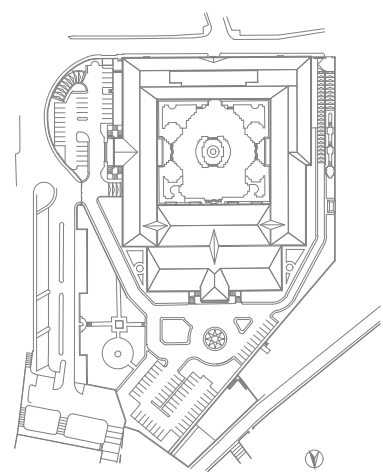
PROJECT LOCATION: Beirut - Lebanon

NOTES:

NORTH:



KEY PLAN:



SCALE

NTS

DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: BS

APPROVED BY: AC

SHEET TITLE

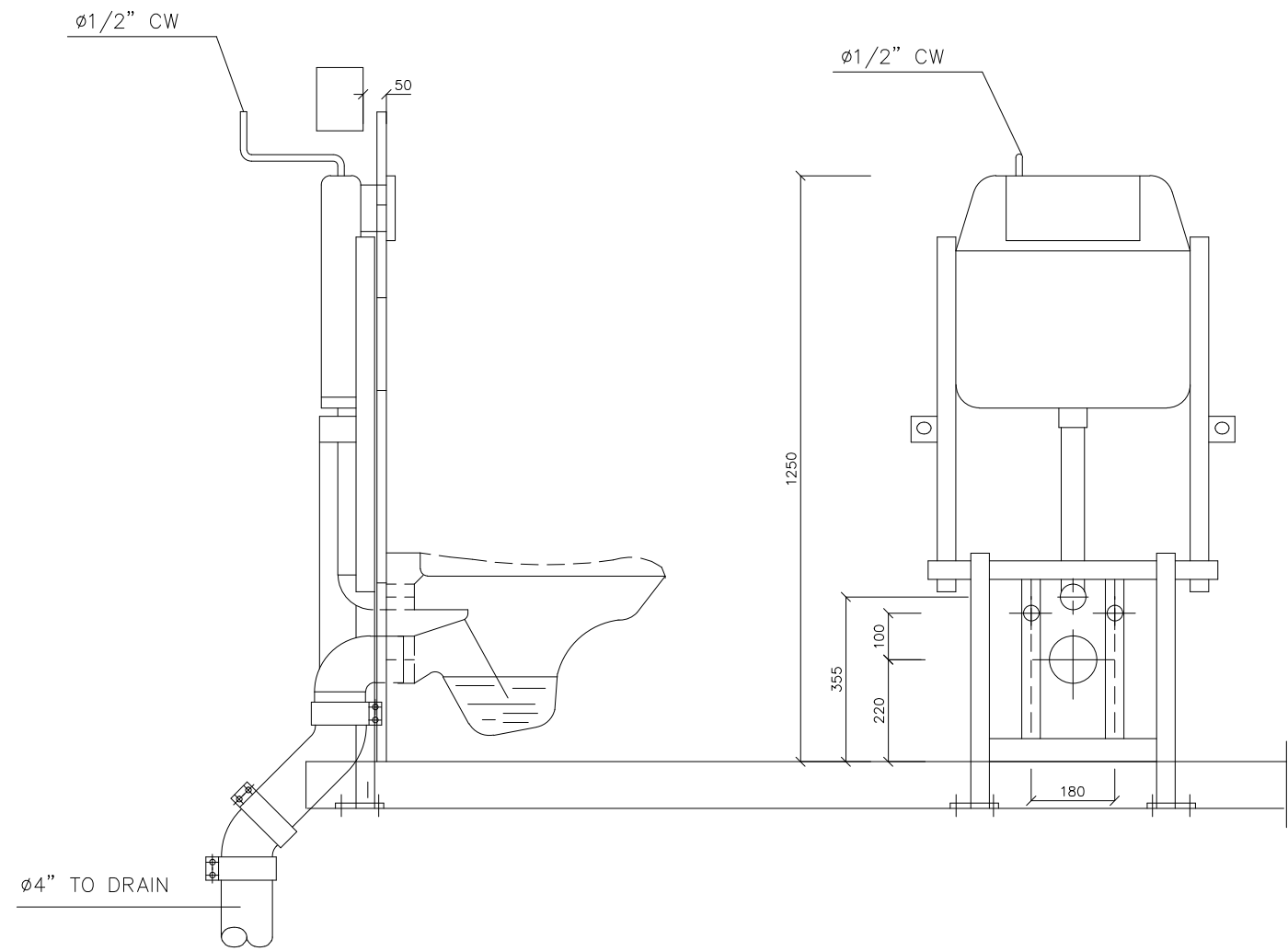
Plumbing Miscellaneous
Details (3/7)

SHEET NO.

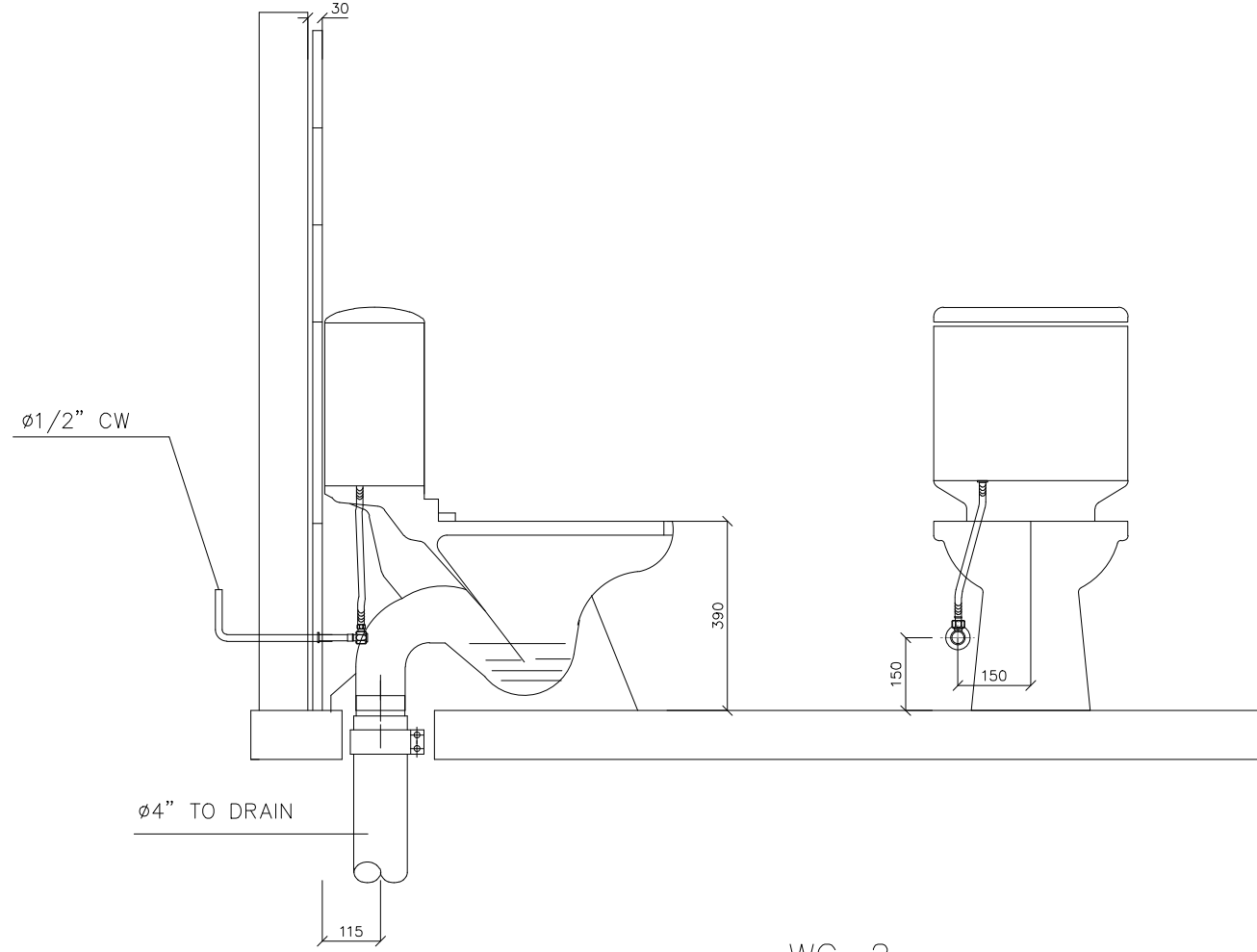
L1202-CD-M-005-A1

Revision NO.

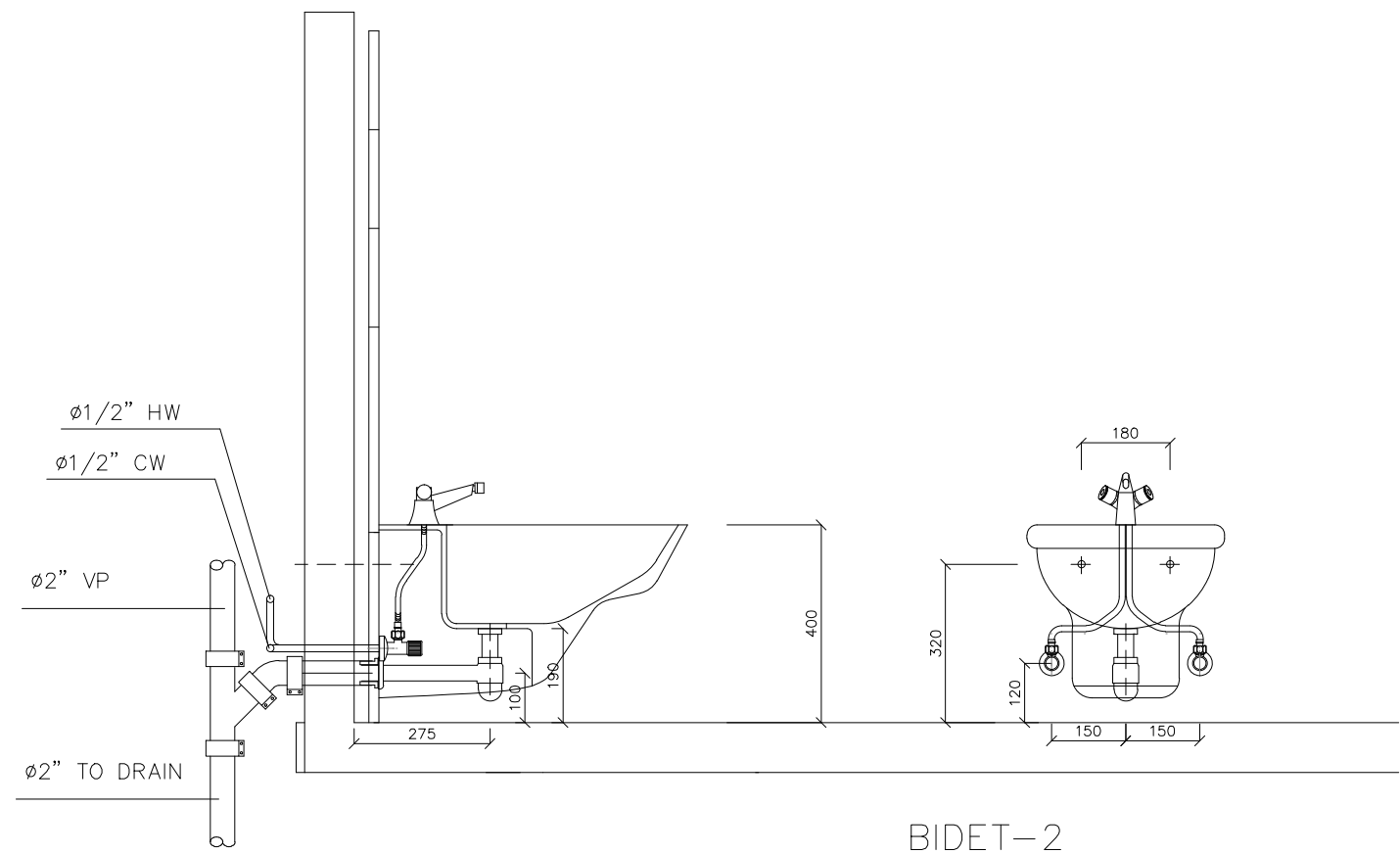
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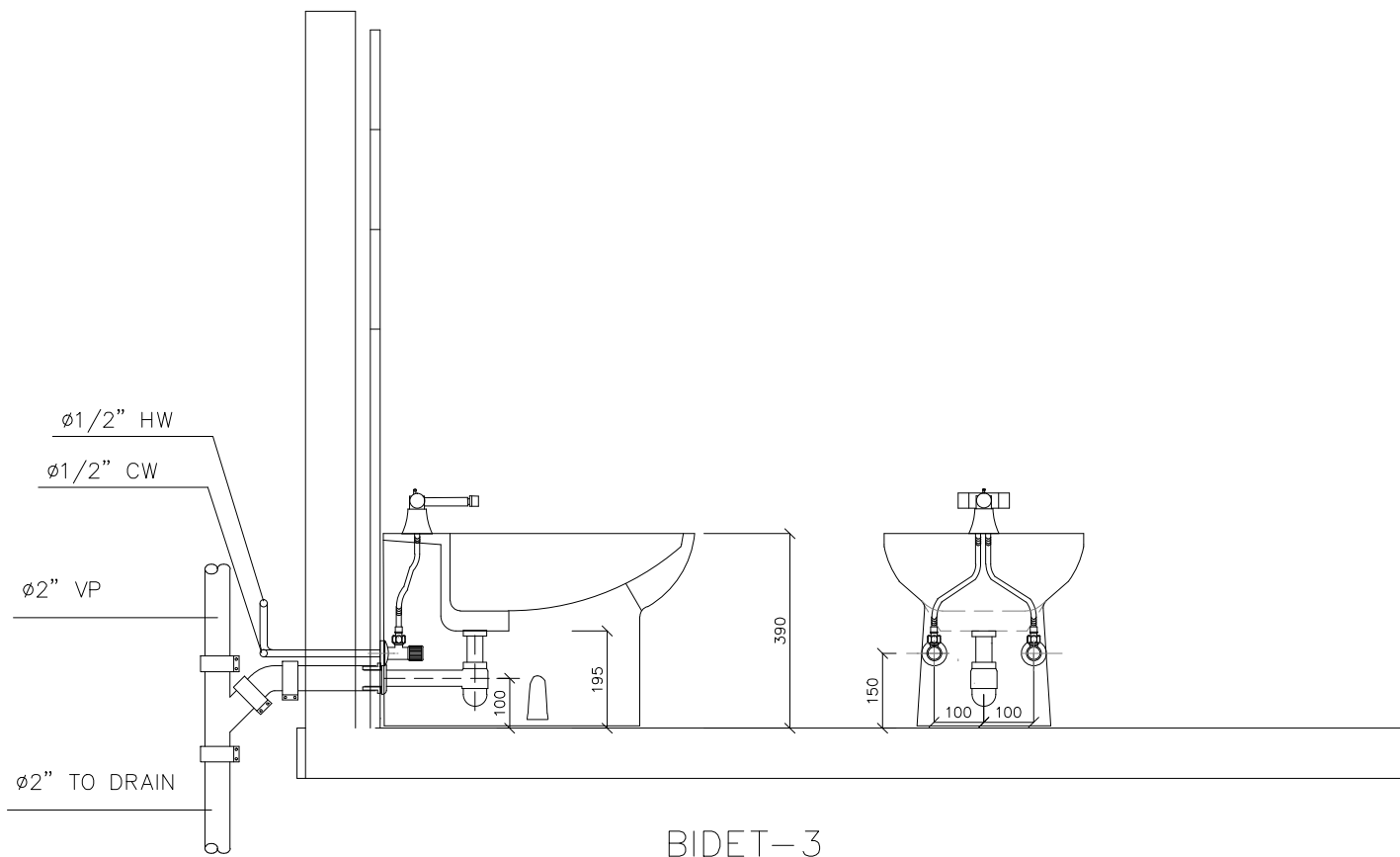
WC-2



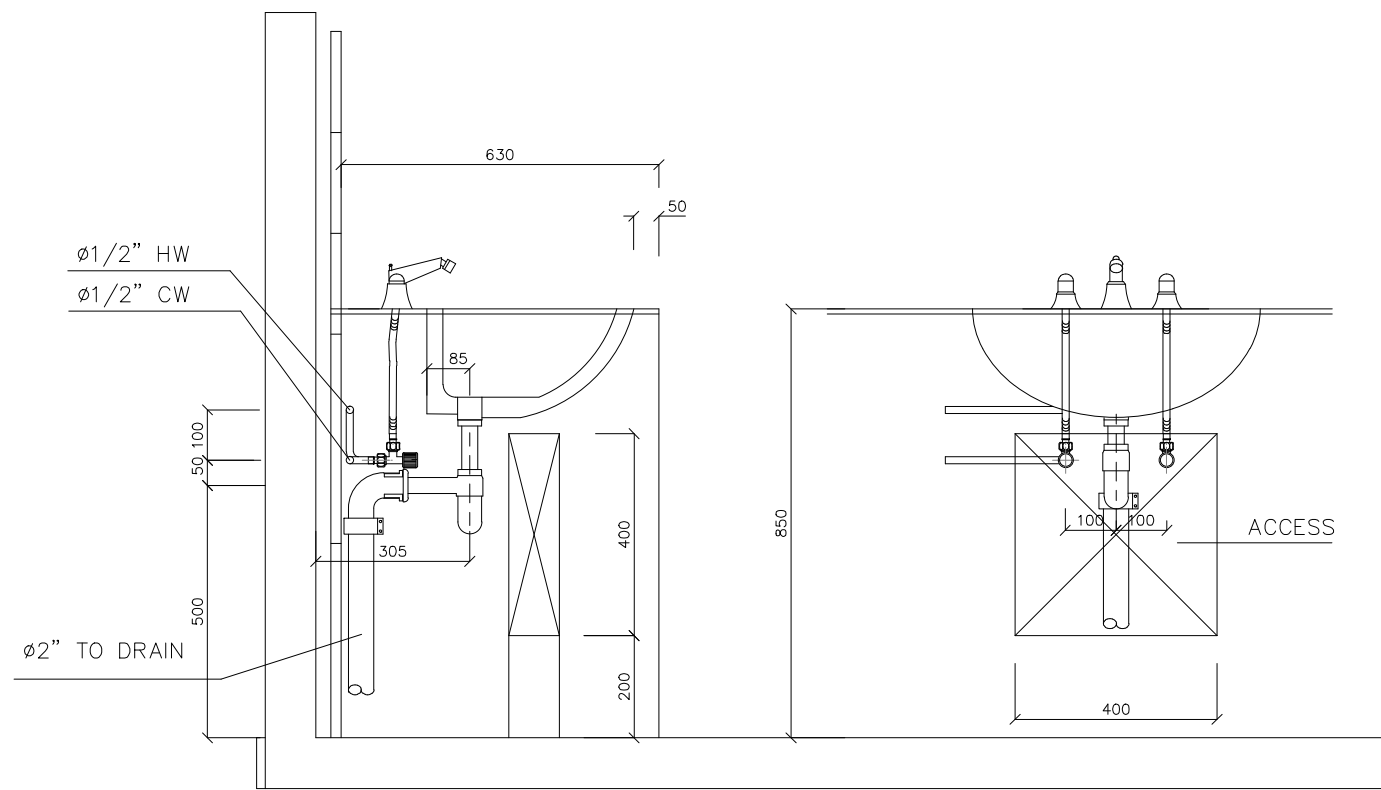
WC-2



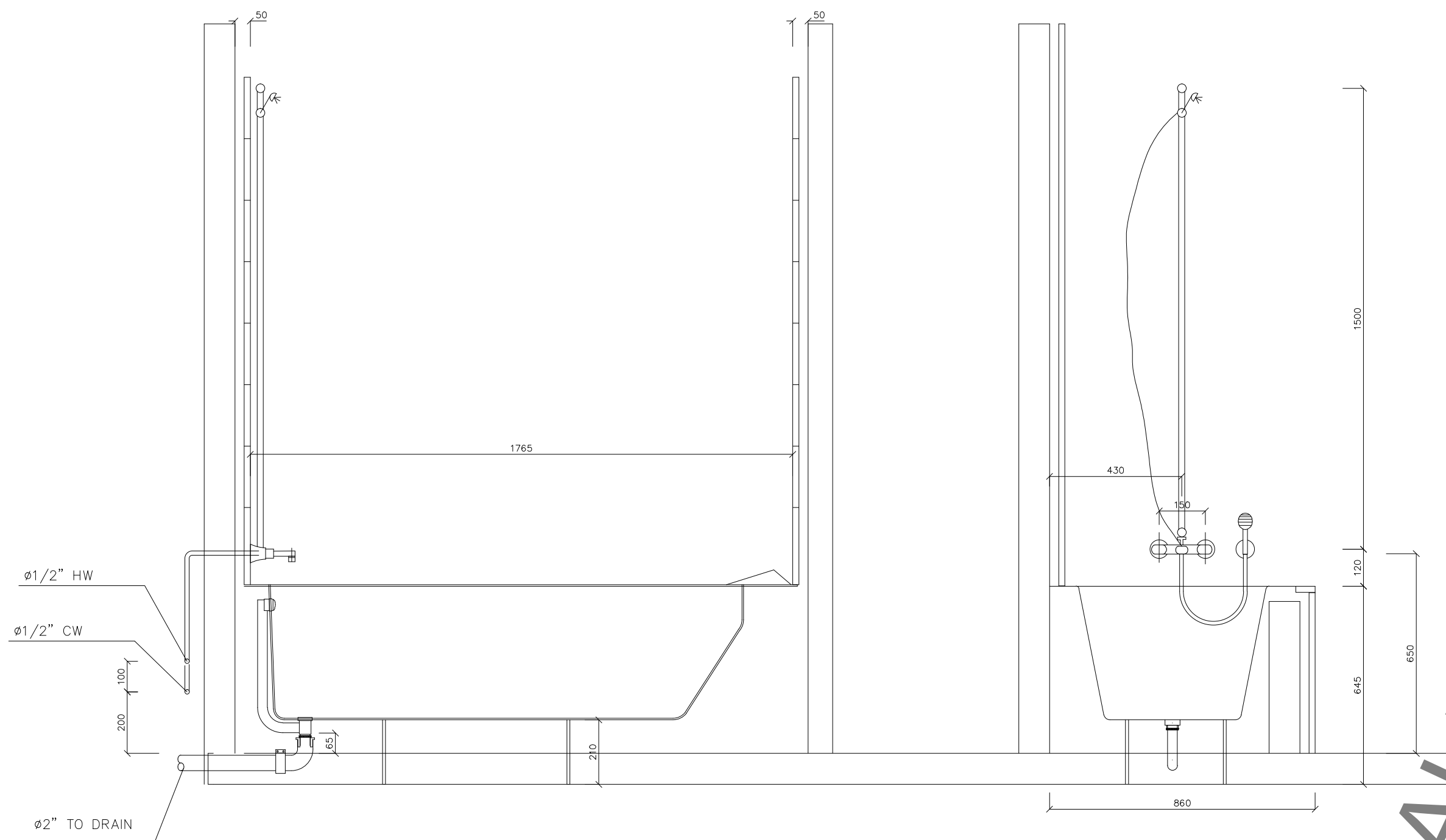
BIDET-2



BIDET-3



WASH BASIN 2/3



BATHTUB-1

HALF SCALE

OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

A.CHEHABarchitects & engineers

Beirut office: Tel.: 01-809316 - 809317 Fax : 01-809315
Saida office: Tel.: 07-726004 Tel.Fax : 07-726118
Email: info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

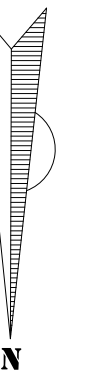
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L1202

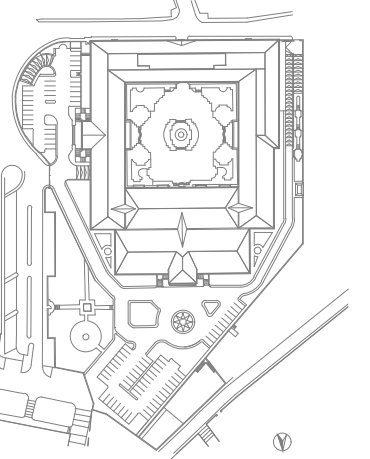
PROJECT LOCATION: Beirut - Lebanon

NOTES:

NORTH:



KEY PLAN:



SCALE

NTS

DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: .BS

APPROVED BY :AC

SHEET TITLE

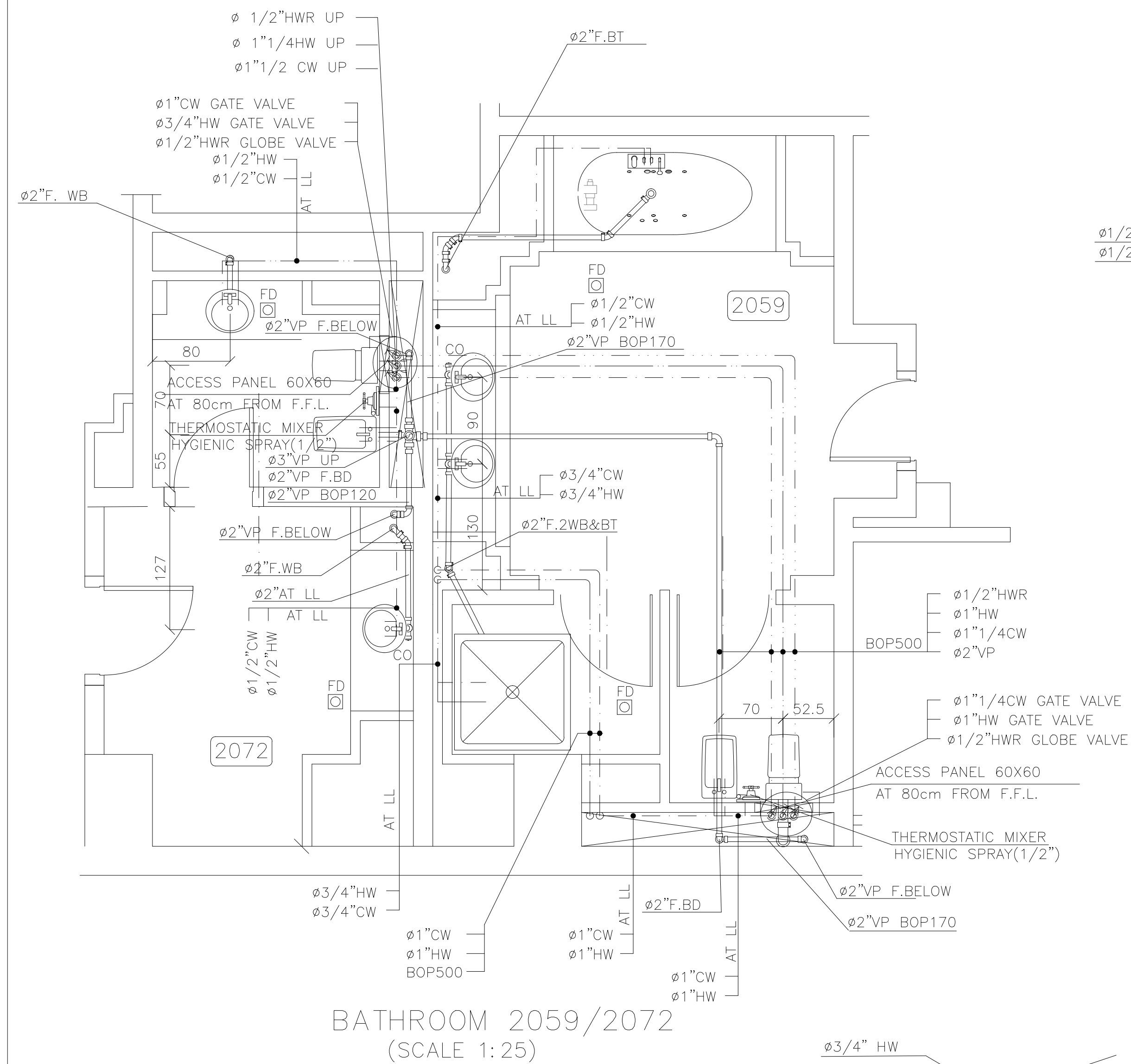
Plumbing Miscellaneous
Details (4/7)

SHEET NO.

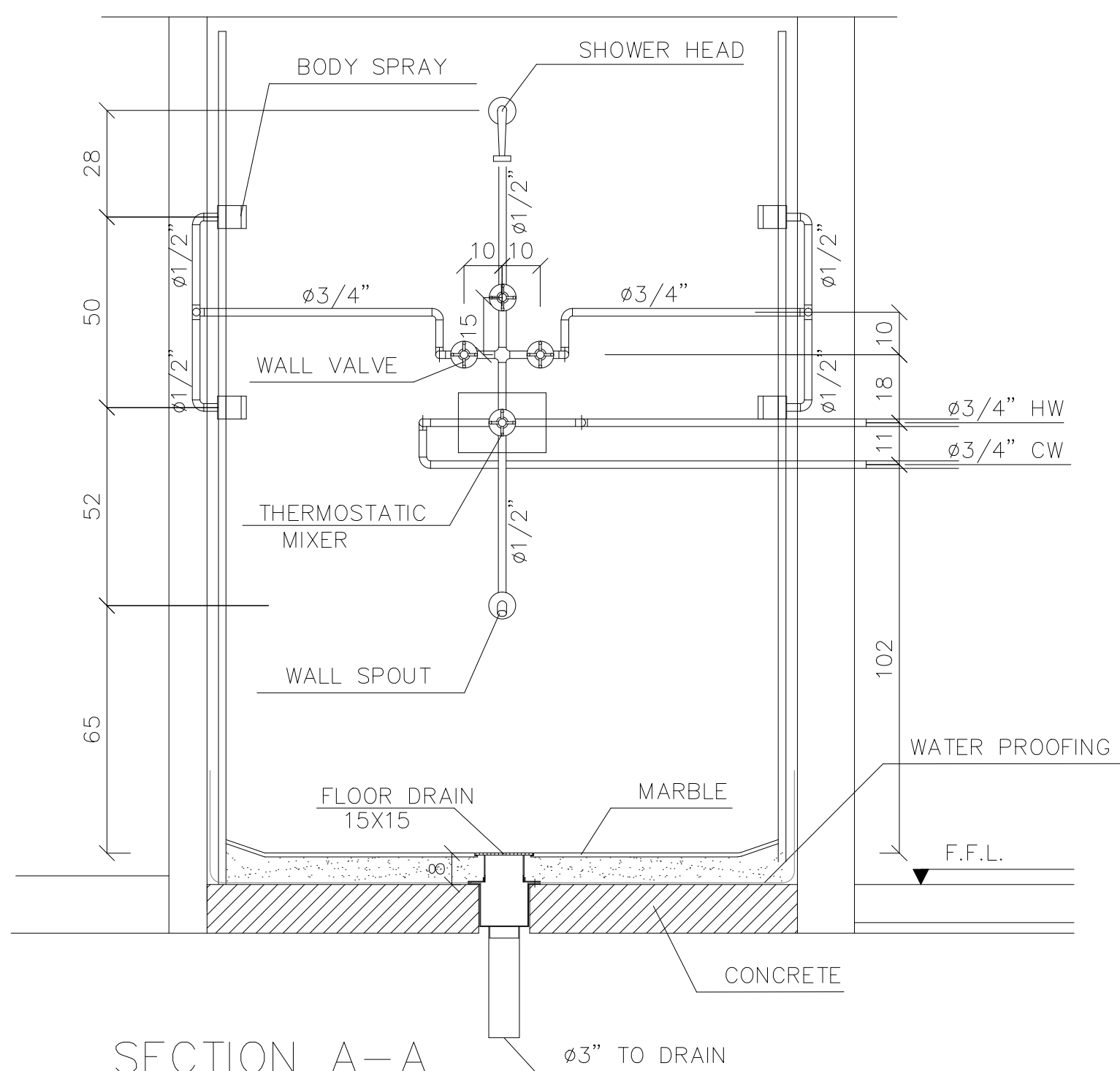
L1202-CD-M-006-A1

Revision NO.

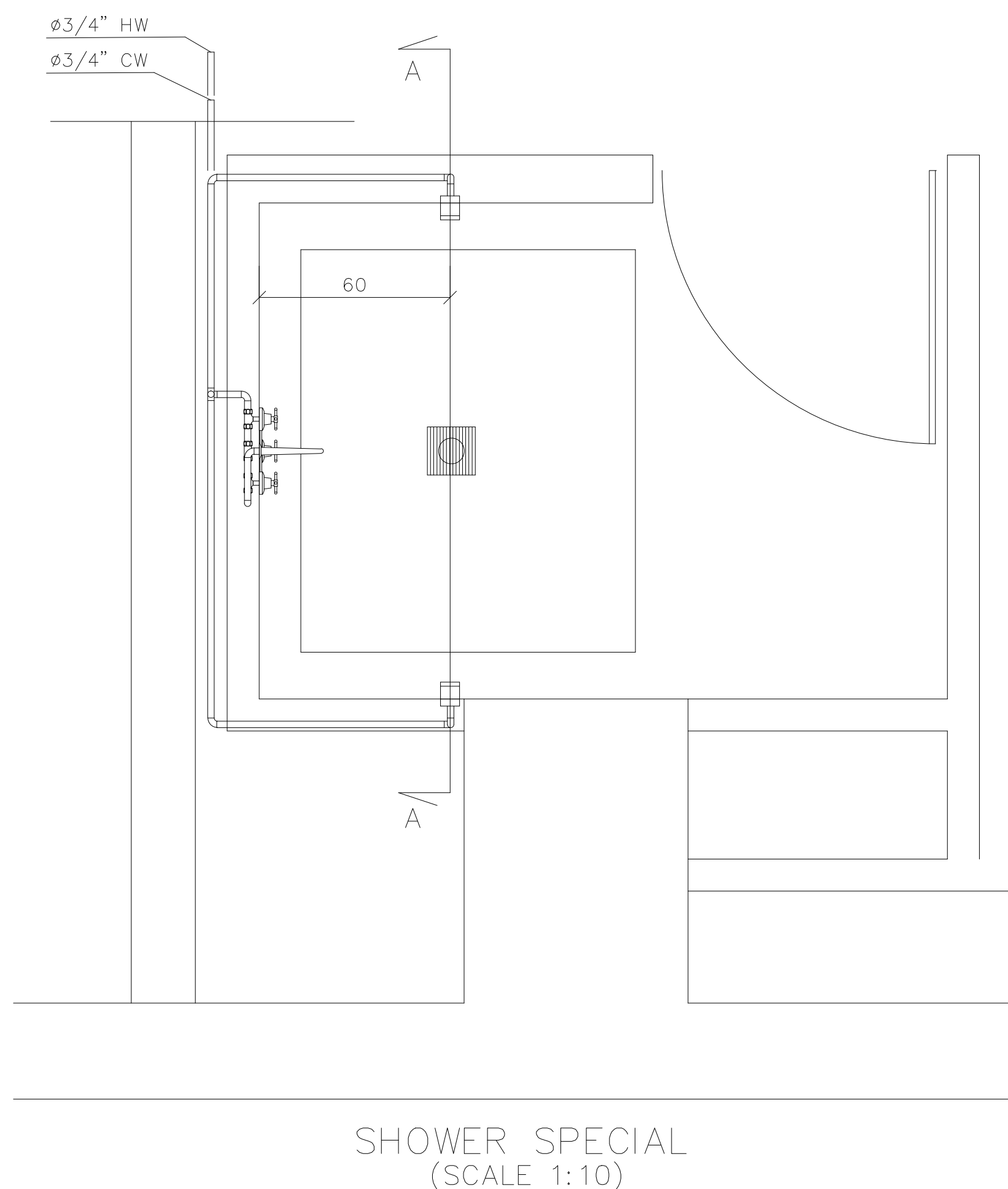
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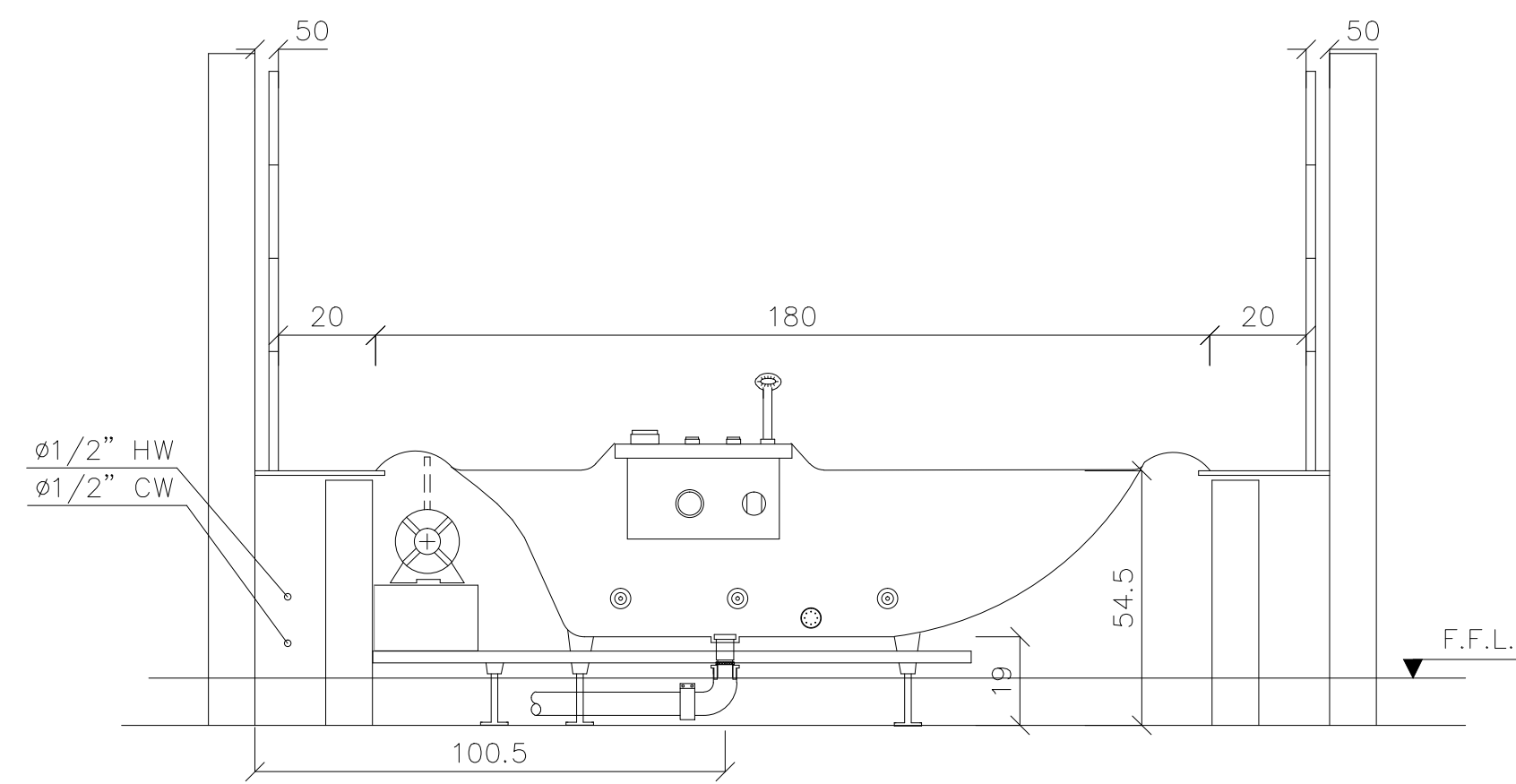
BATHROOM 2059/2072
(SCALE 1:25)



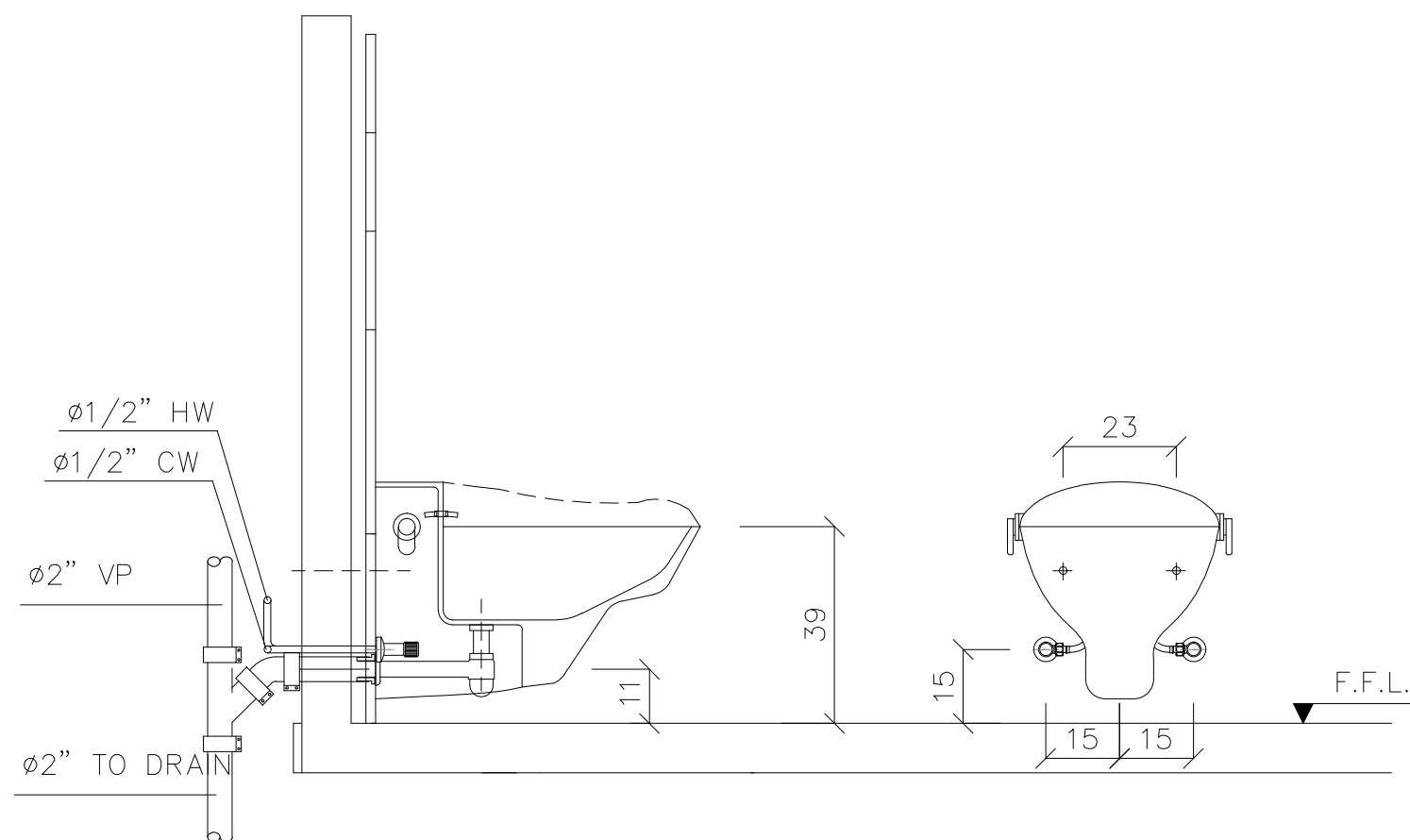
SECTION A-A
(SCALE 1:10)



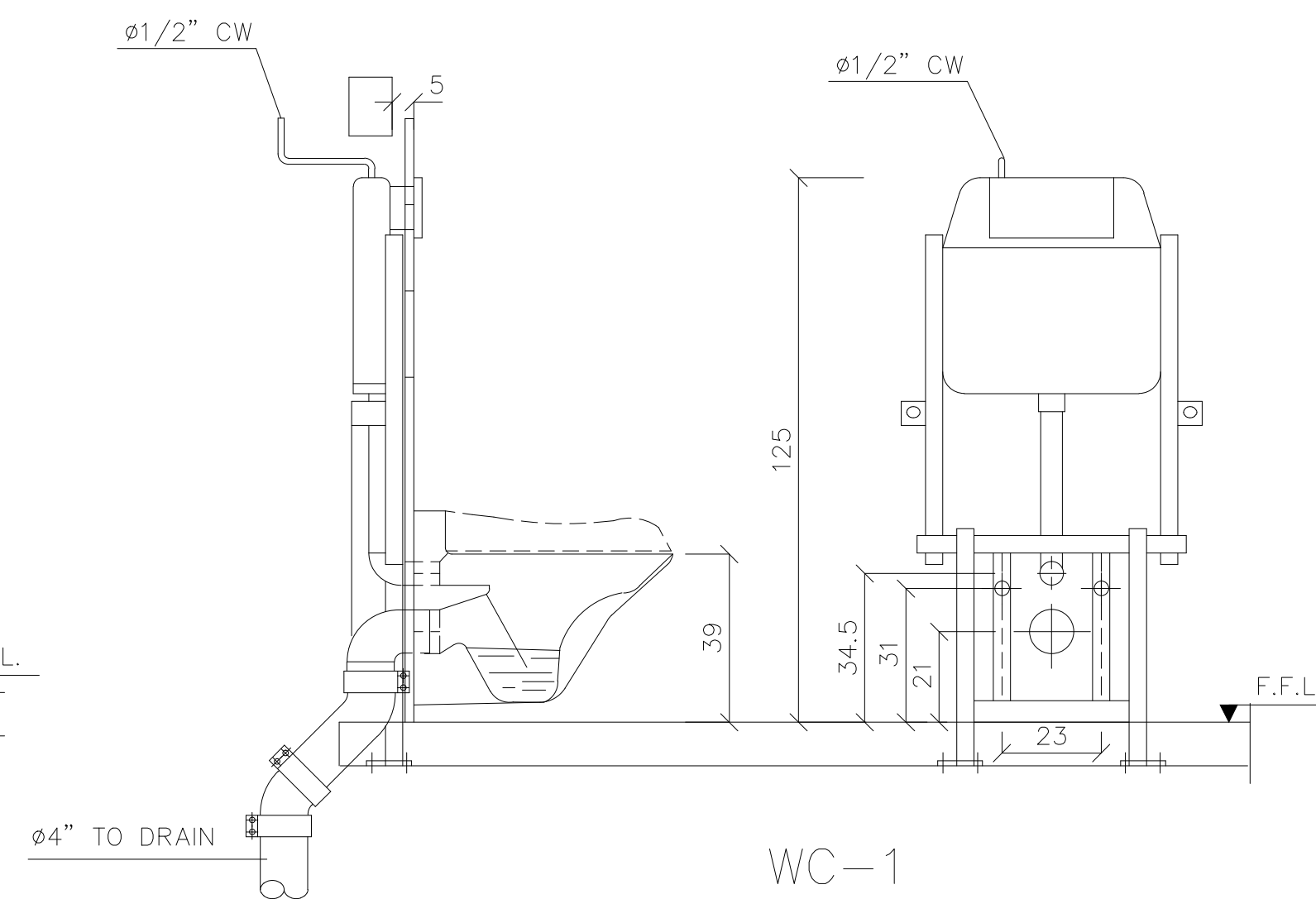
SHOWER SPECIAL
(SCALE 1:10)



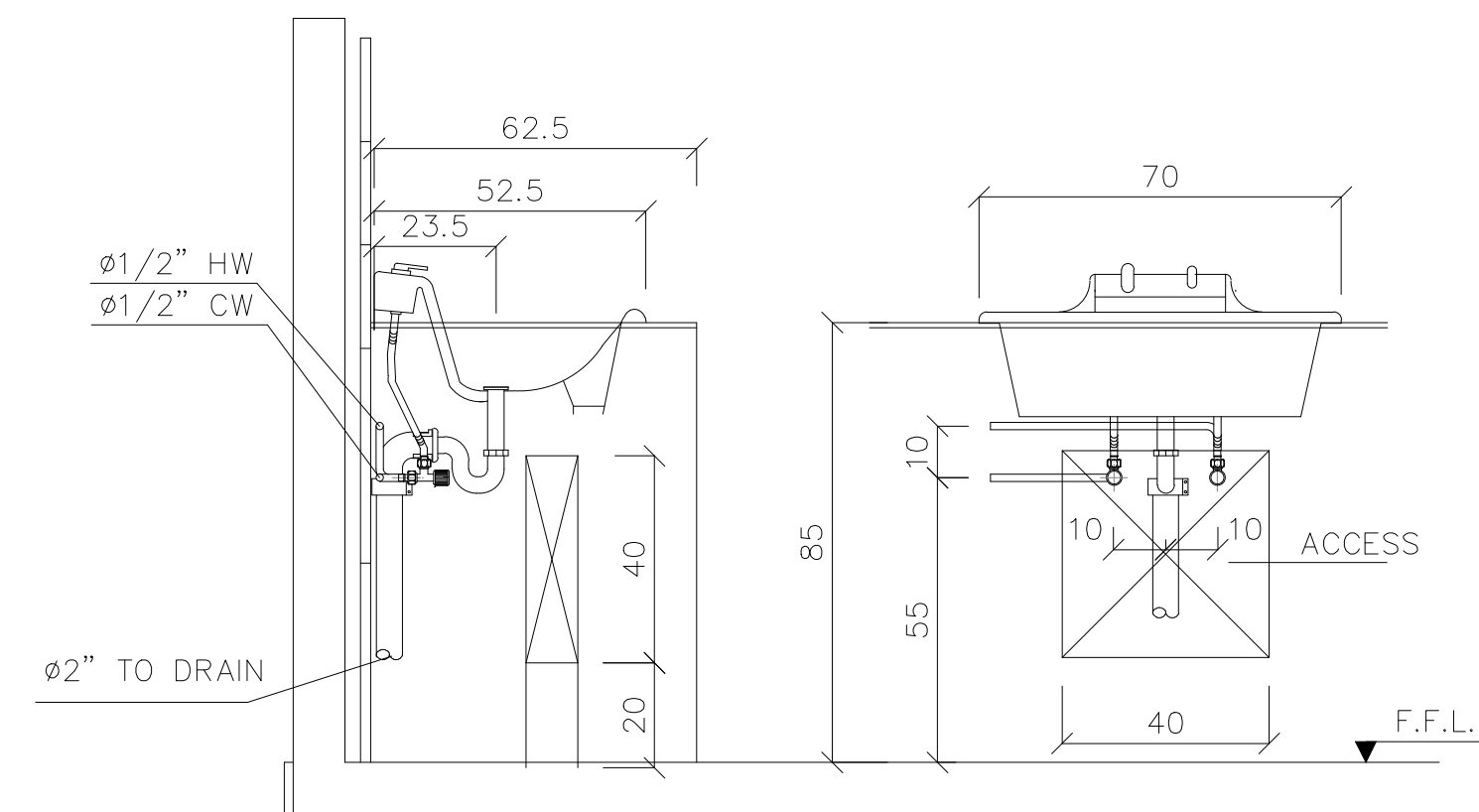
WHIRLPOOL-2
(SCALE 1:10)



BIDET-1
(SCALE 1:10)



WC-1
(SCALE 1:10)



WASH BASIN-1
(SCALE 1:10)

HALF SCALE

OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

A.CHEHABarchitects & engineers

Beirut office: Tel.: 01-809316 - 809317 Fax : 01-809315
Saida office: Tel.: 07-726004 Tel.Fax : 07-726118
Email: info@CDRS-CO.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

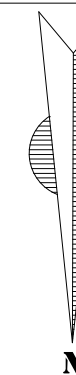
CODE No:

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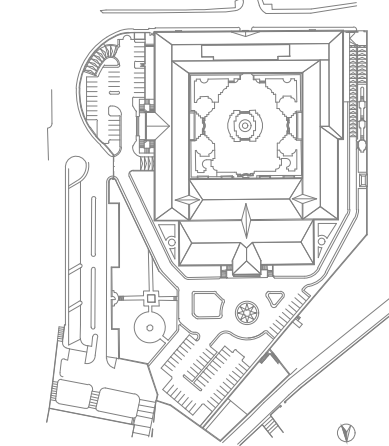
PROJECT LOCATION: Beirut - Lebanon

NOTES:

NORTH:



KEY PLAN:



SCALE

NTS

DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: BS

APPROVED BY: AC

SHEET TITLE

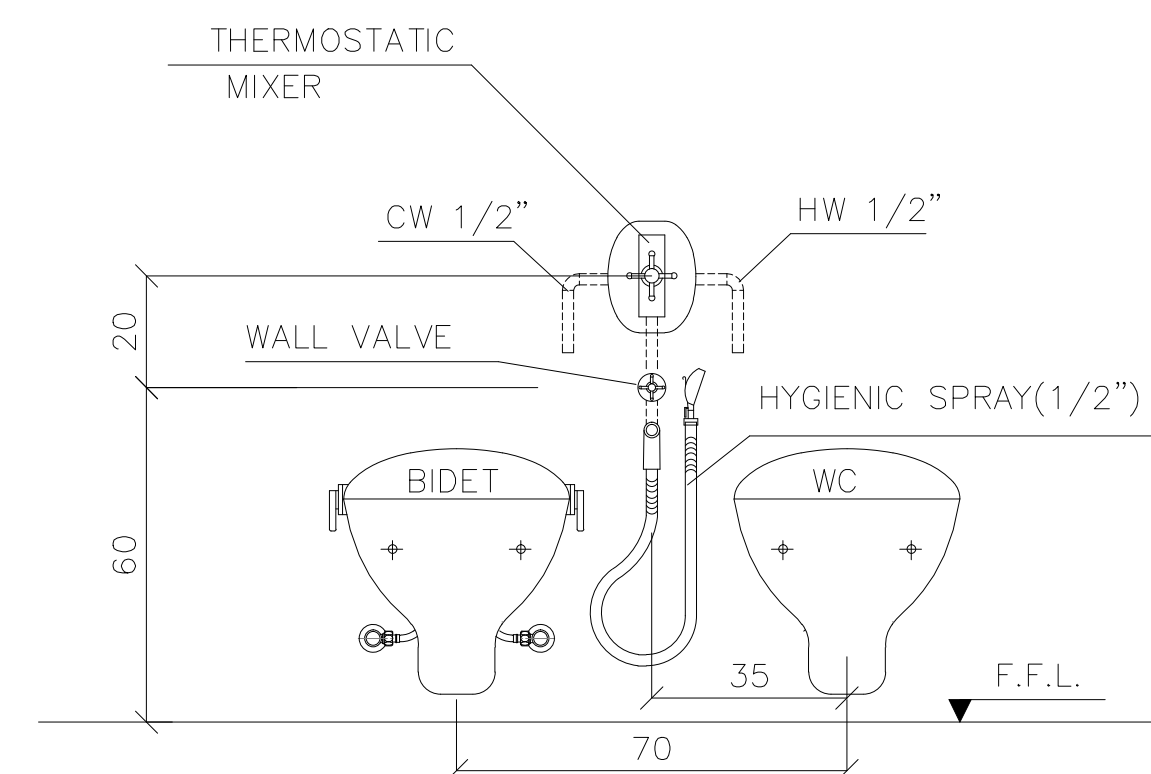
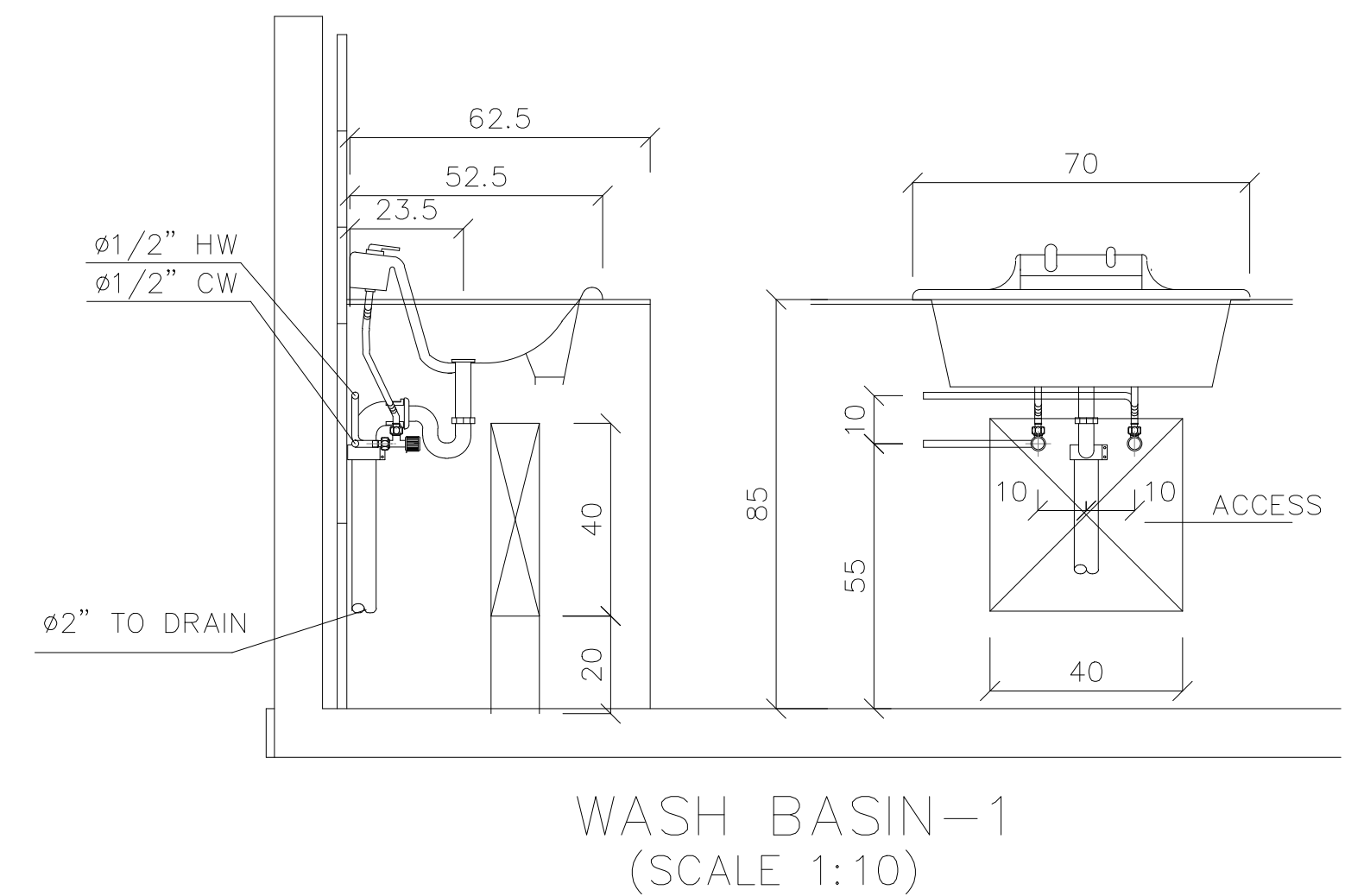
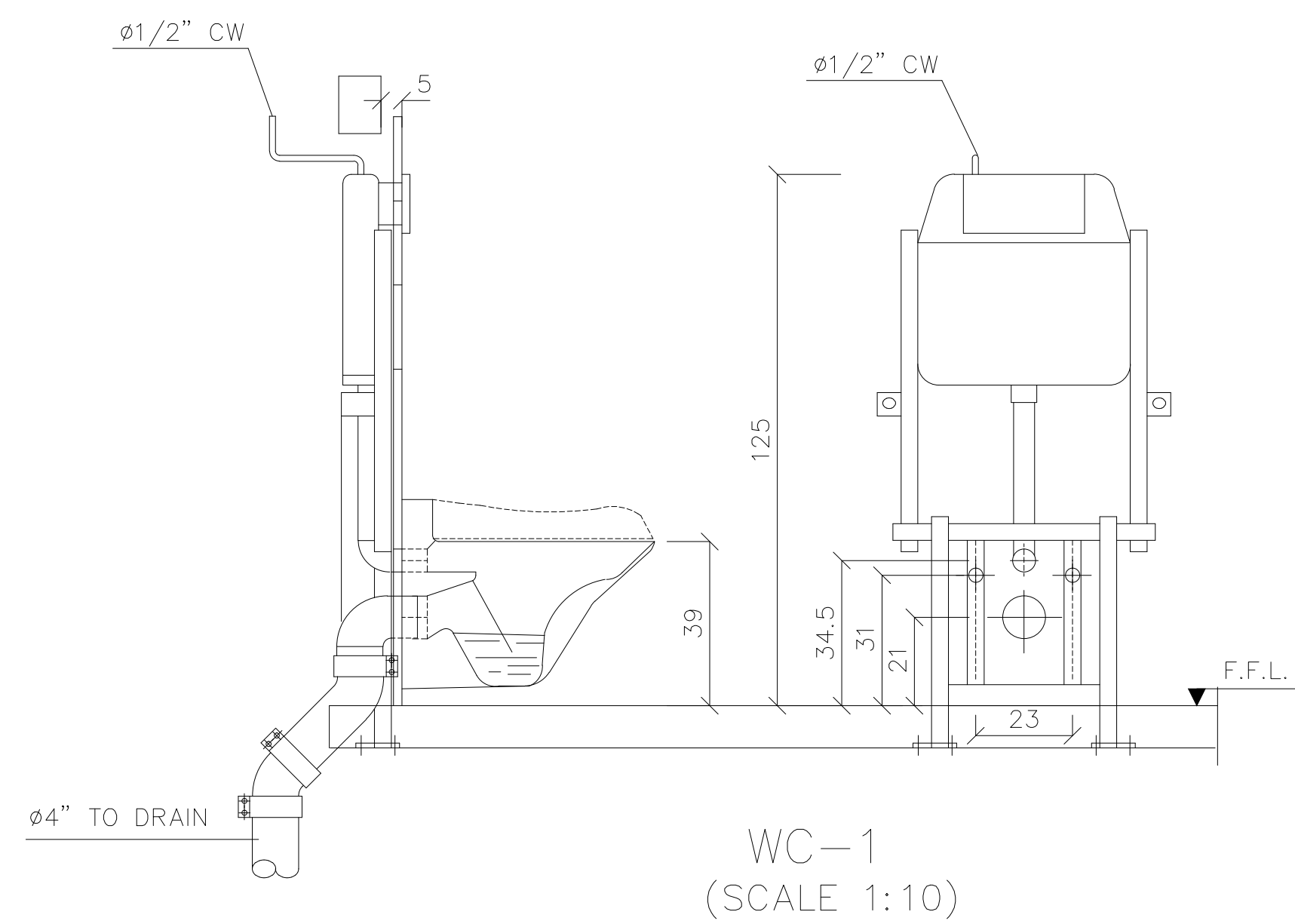
Plumbing Miscellaneous
Details (5/7)

SHEET NO.

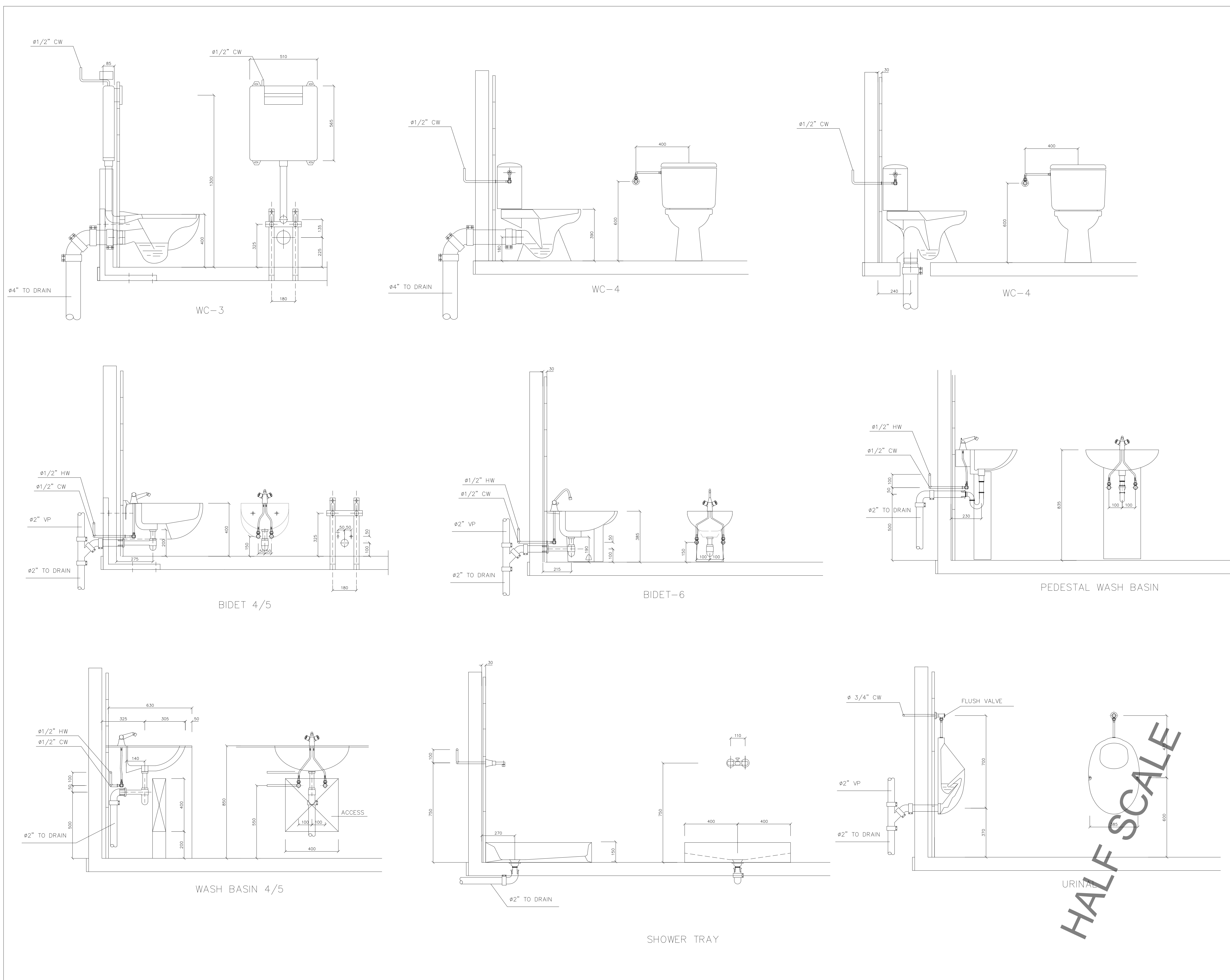
L1202-CD-M-007-A1

Revision NO.

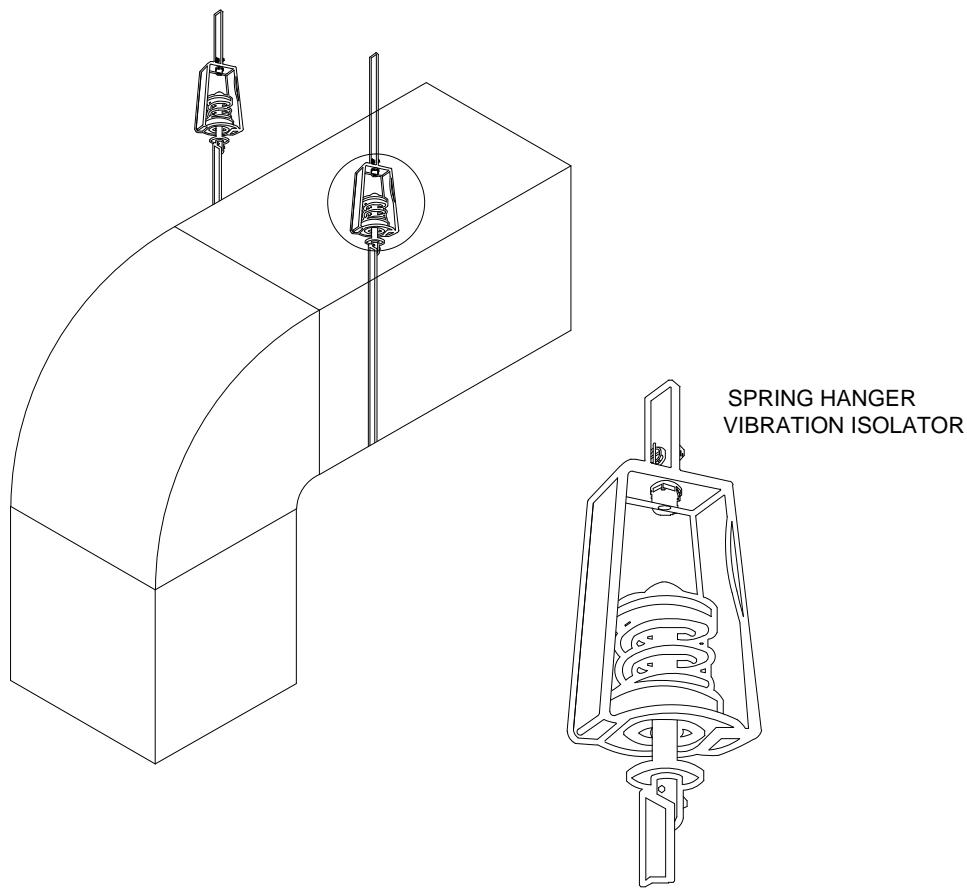
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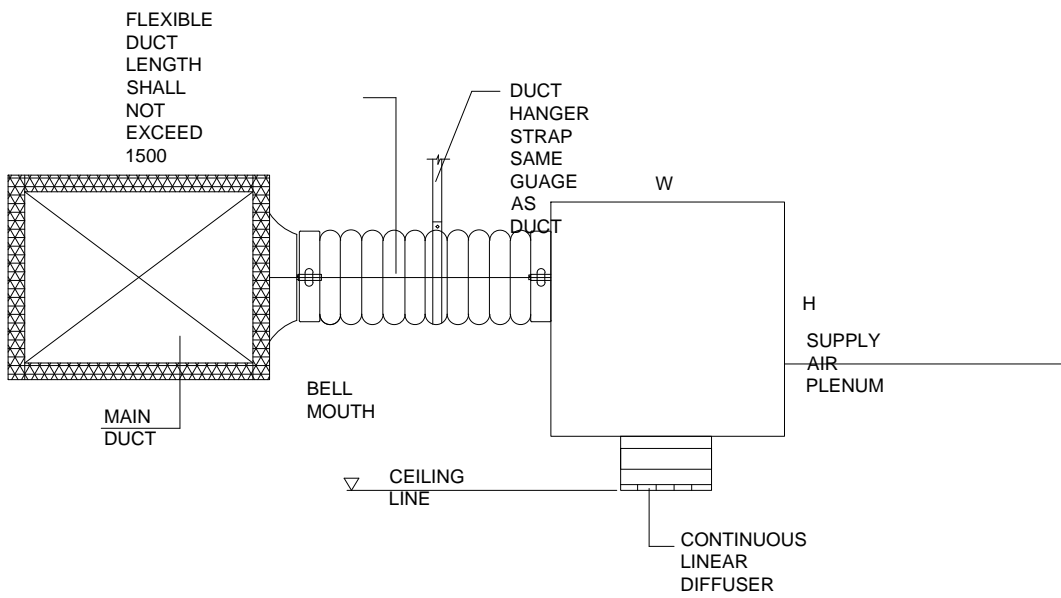
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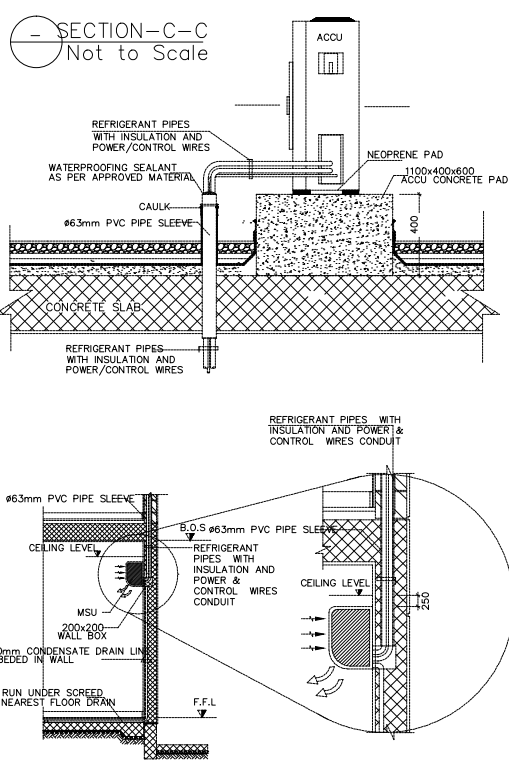
OWNER NAME:	
CLIENT:	
CONSULTANT OFFICE : A.CHEHABarchitects & engineers Beirut office: Tel.: 01-809316 – 809317 Fax : 01-809315 Saida office: Tel.: 07-726004 Tel.Fax : 07-720118 Email: info@UDRS-CD.com	
PROJECT NAME: REHABILITATION OF GRAND SERAIL	CODE No: L1202
PROJECT LOCATION: Beirut - Lebanon	
NOTES:	
NORTH:	
KEY PLAN:	
SCALE NTS DATE: May 2022 DRAWN BY: BM - MD DESIGNED BY: BM - MD CHECKED BY: BS APPROVED BY: AC	
SHEET TITLE Plumbing Miscellaneous Details (7/7)	
SHEET NO. L1202-CD-M-009-A1	Revision NO. 00



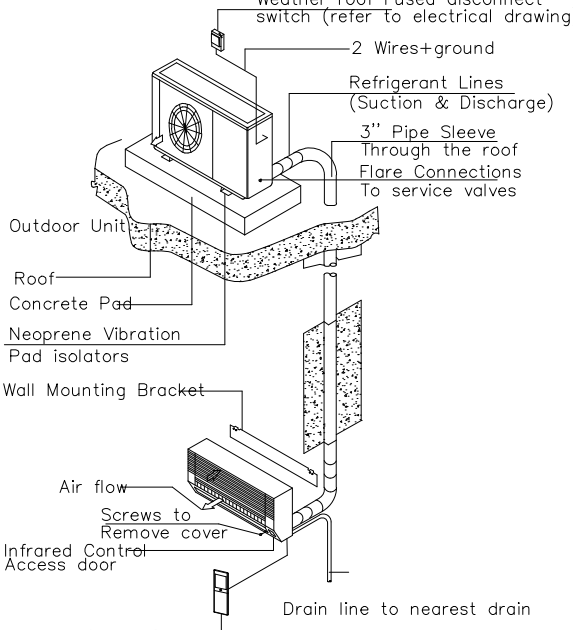
1 - SUSPENDED DUCTS
- VIBRATION ISOLATOR DETAIL



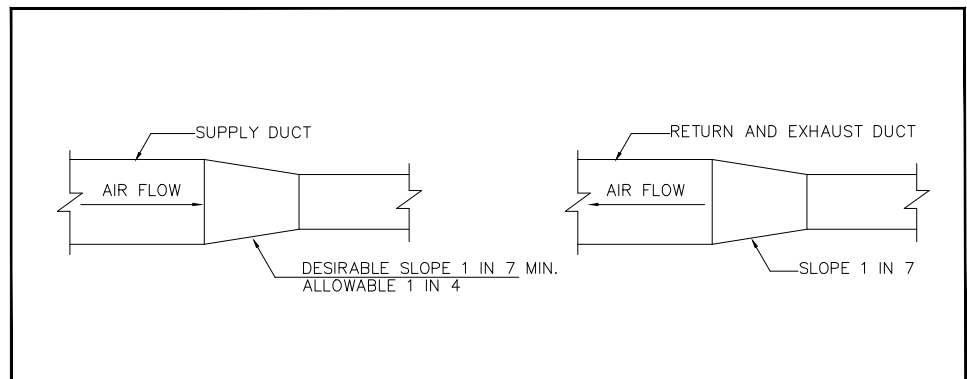
2 - SLSD & FLEXIBLE DUCT INSTALLATION DETAIL



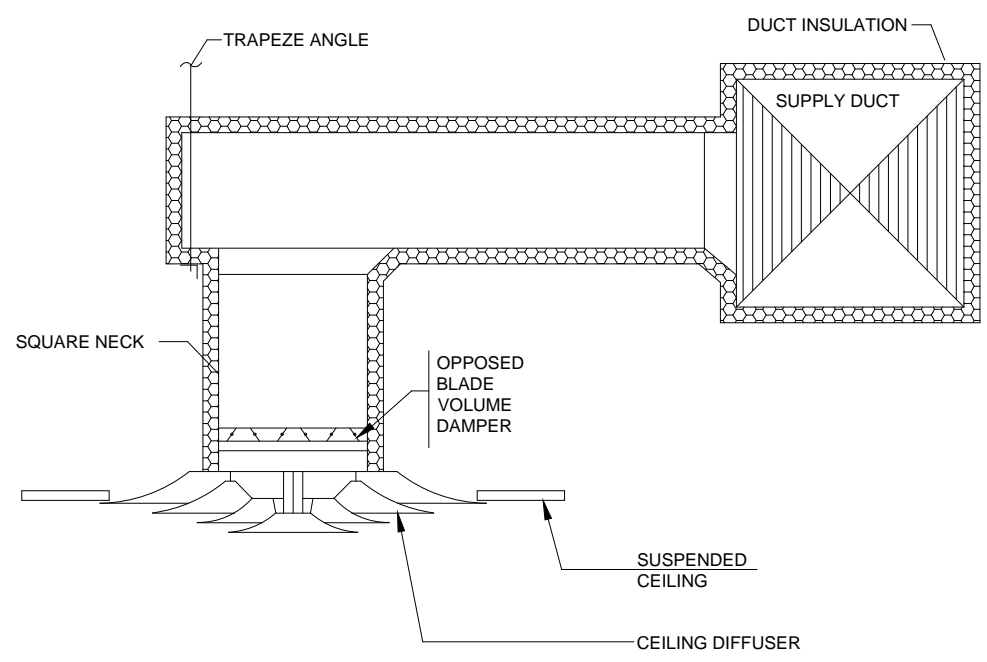
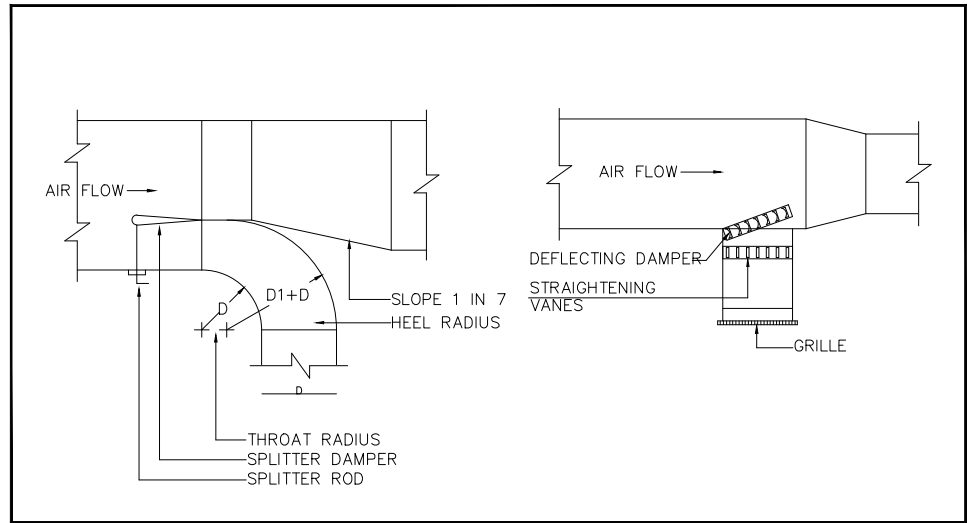
2 - Split Air Conditioning
- Unit (typ.)
- Installation Detail



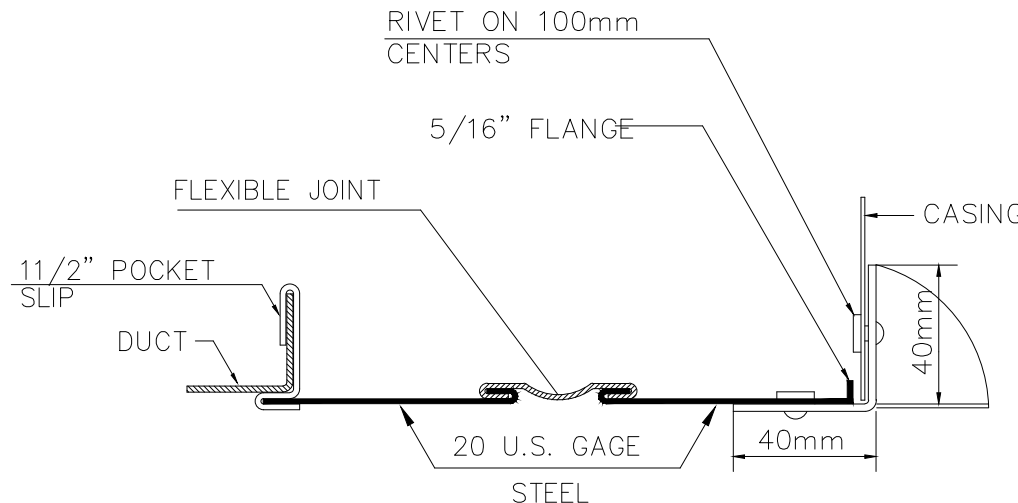
3 - MSU/ACCU Roof
- Installation Detail



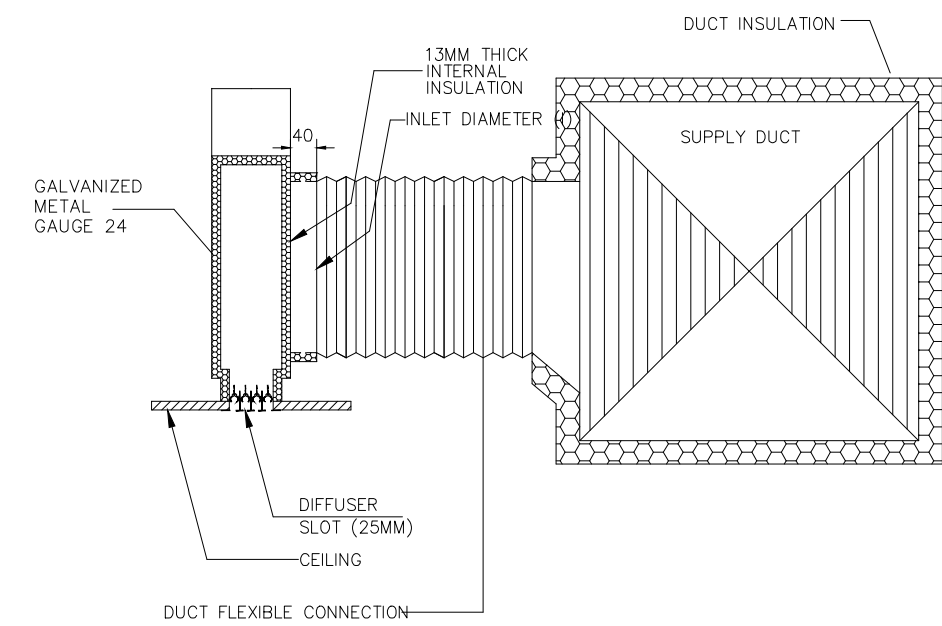
4 - DUCT REDUCER
- TYPICAL TAKE-OFFS



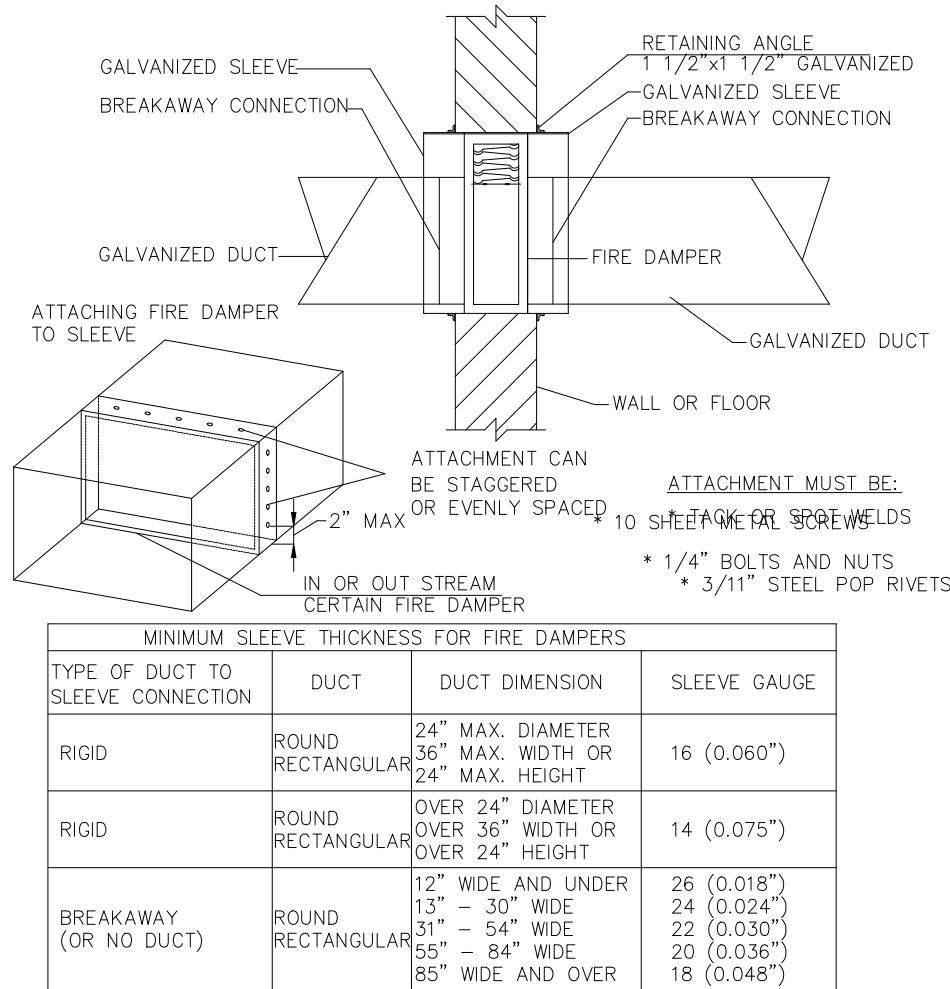
5 - DUCTS SUPPORT



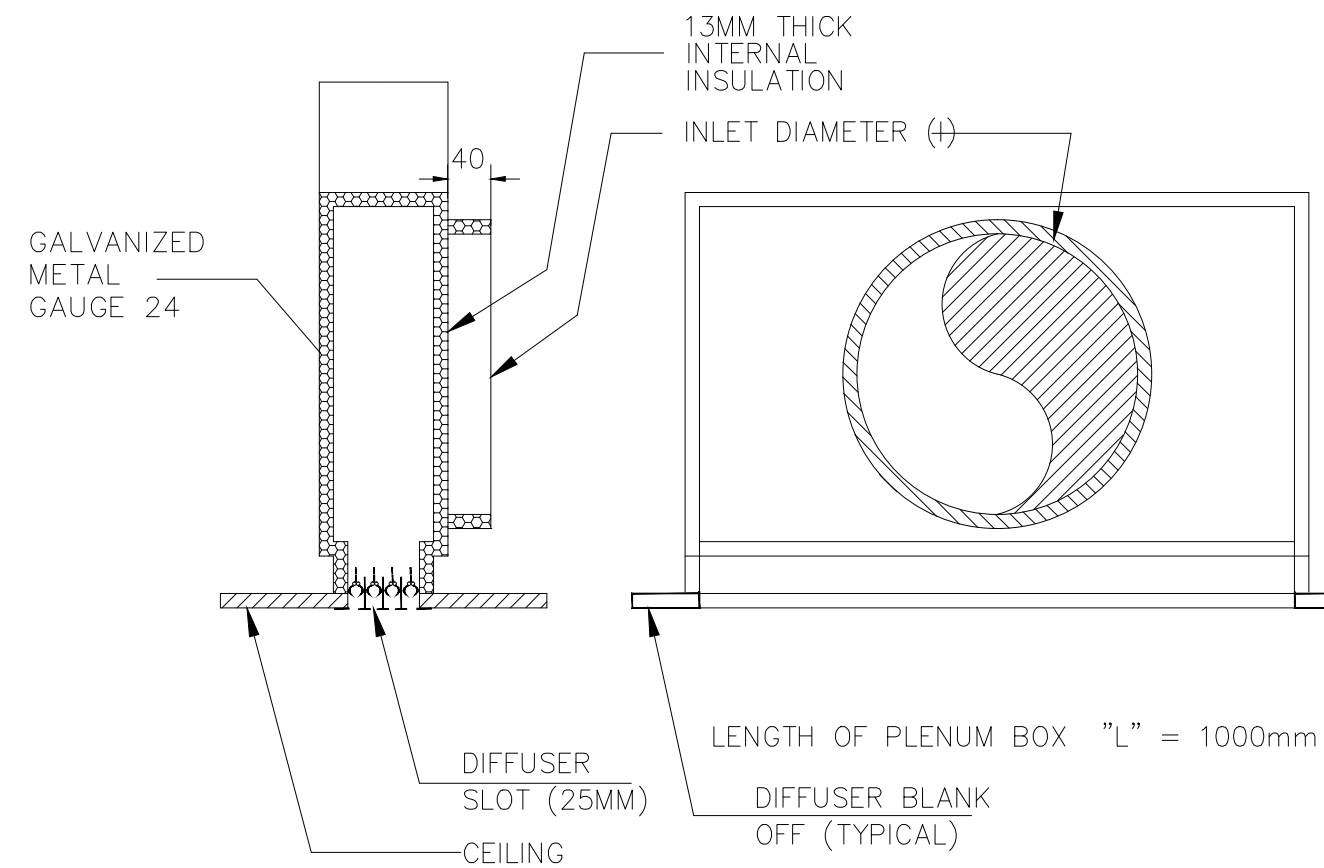
6 - FLEXIBLE CONNECTION BETWEEN
- DUCT AND EQUIPMENT



7 - FLEXIBLE CONNECTION BETWEEN
- THE MAIN SUPPLY DUCT AND PLENUM BOX

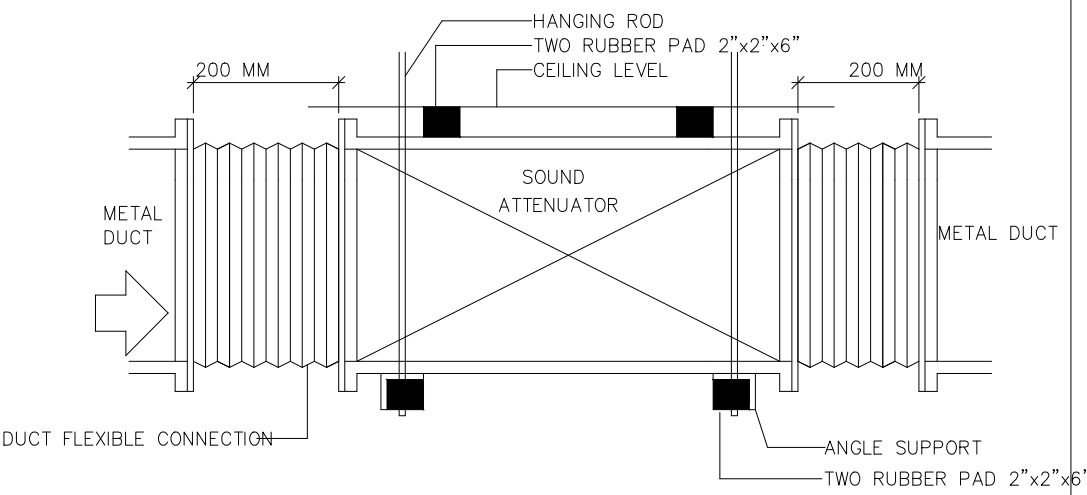


8 - FIRE DAMPER

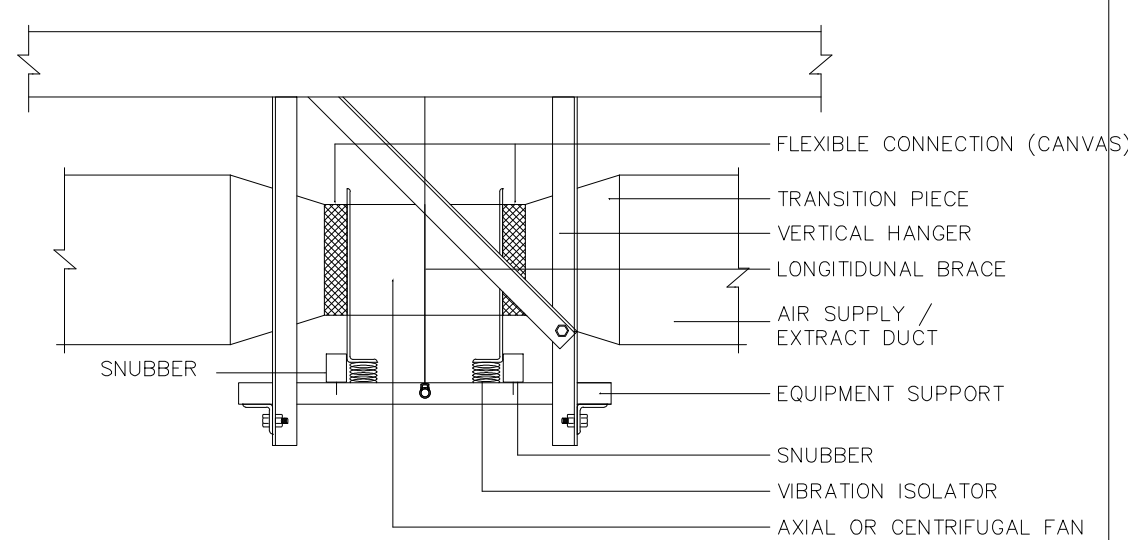


9 - PLENUM BOX FOR SUPPLY
- LINEAR DIFFUSER

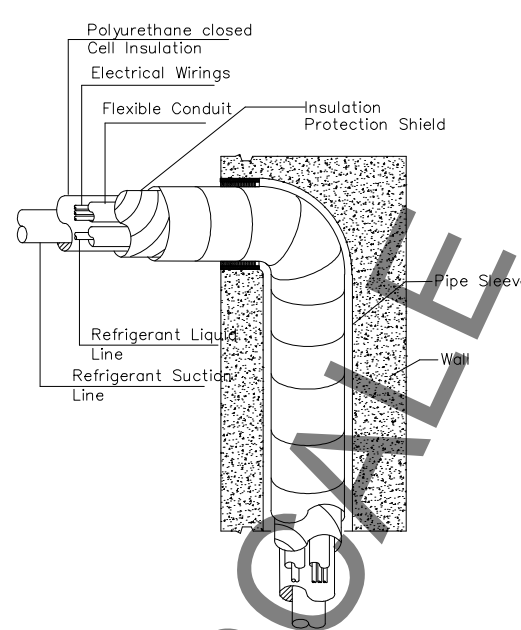
NO. OF SLOTS	D'	W	I	H
1	42	100	200	350
2	76	125	250	400
3	110	160	300	450
4	144	195	300	450
5	178	230	400	550



10 - SOUND ATTENUATOR SUPPORT



13 - Detail - Tapers And Offsets
- Not to Scale



14 - Refrigerant Pipe Embedded in wall
- Not to Scale

OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

A.CHEHAB architects & engineers

Beirut office: Tel: 01-800316 - 800117 Fax: 01-800315
Saida office: Tel: 07-726004 Tel.Fax: 07-725118
Email: info@CDRS-CO.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

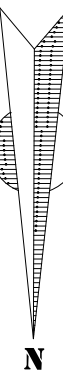
CODE No:

L1202

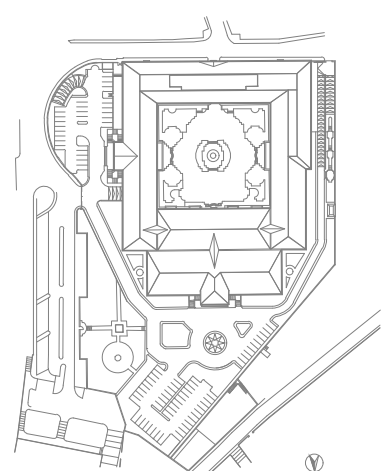
PROJECT LOCATION: Beirut - Lebanon

NOTES:

NORTH:



KEY PLAN:



SCALE

NTS

DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: BS

APPROVED BY: AC

SHEET TITLE

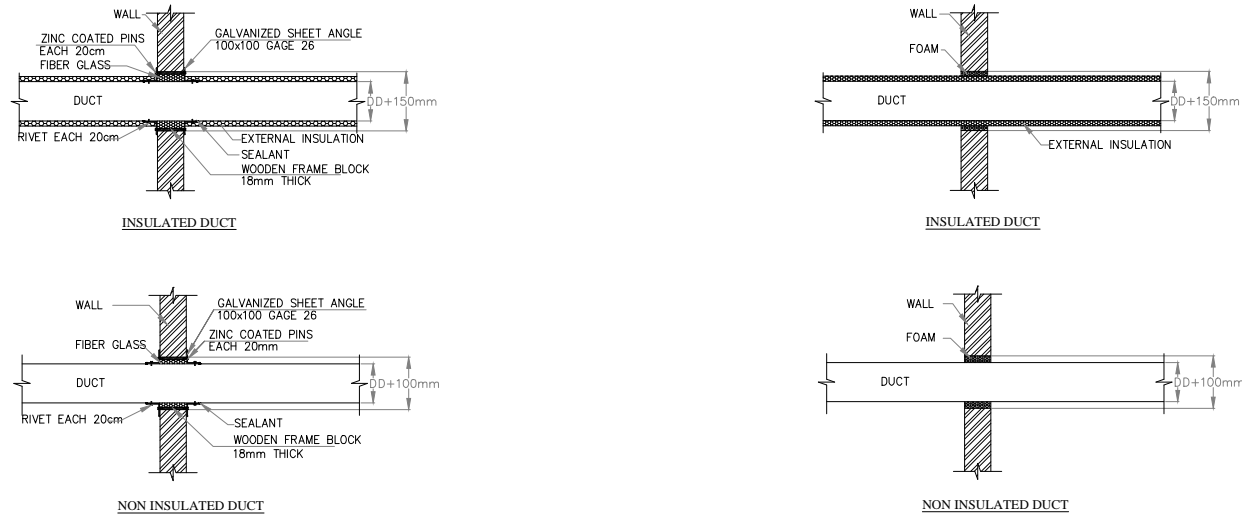
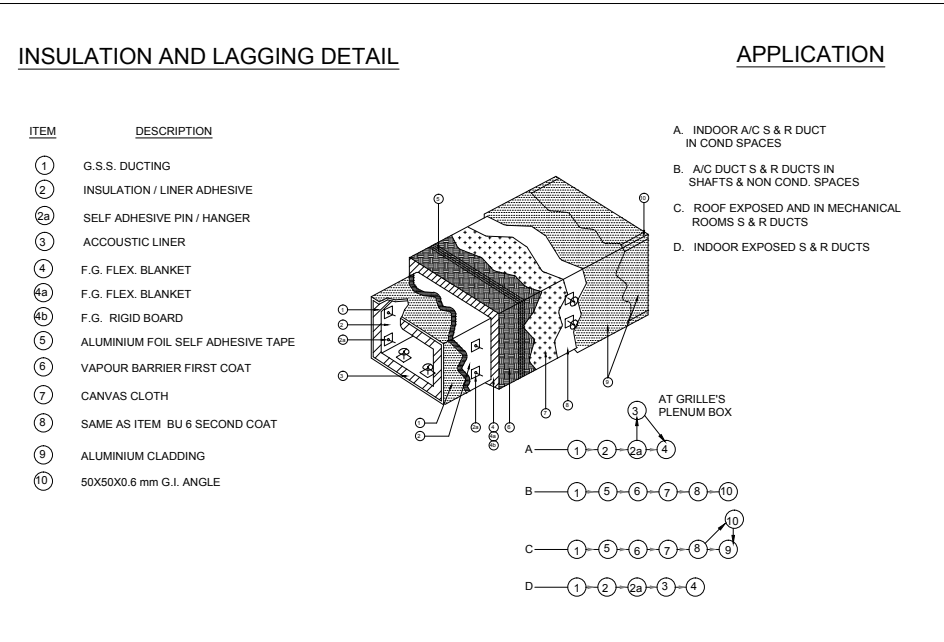
HVAC Miscellaneous
Details (1/3)

SHEET NO.

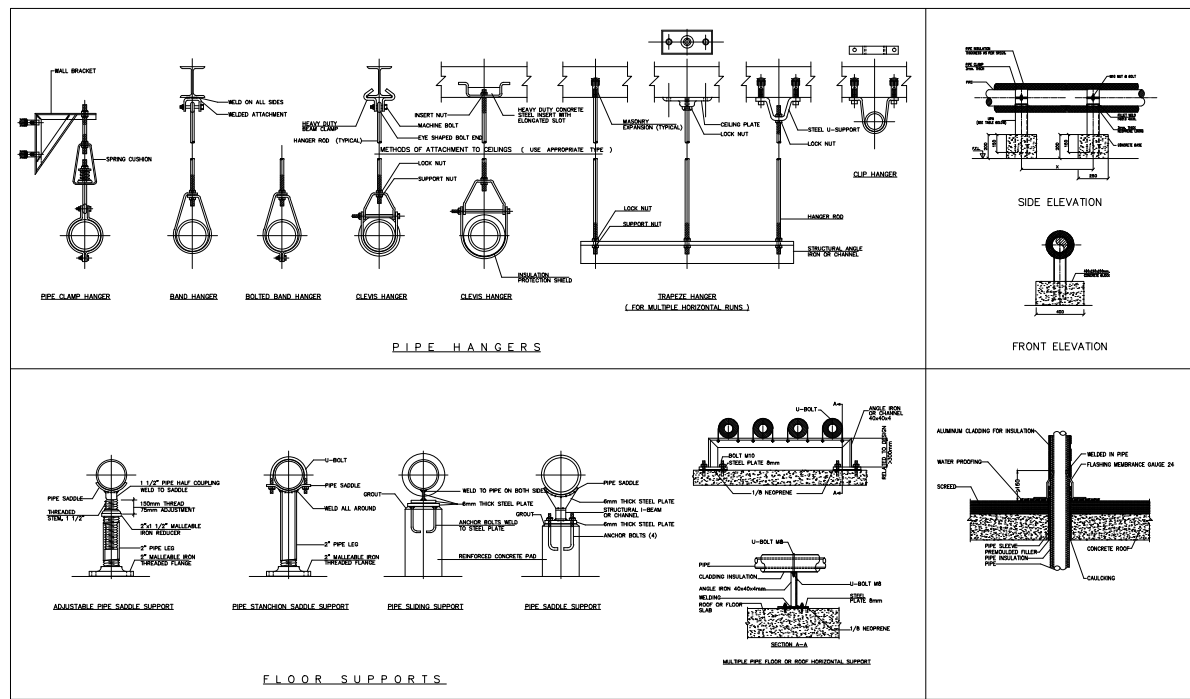
L1202-CD-M-010-A1

Revision NO.

00

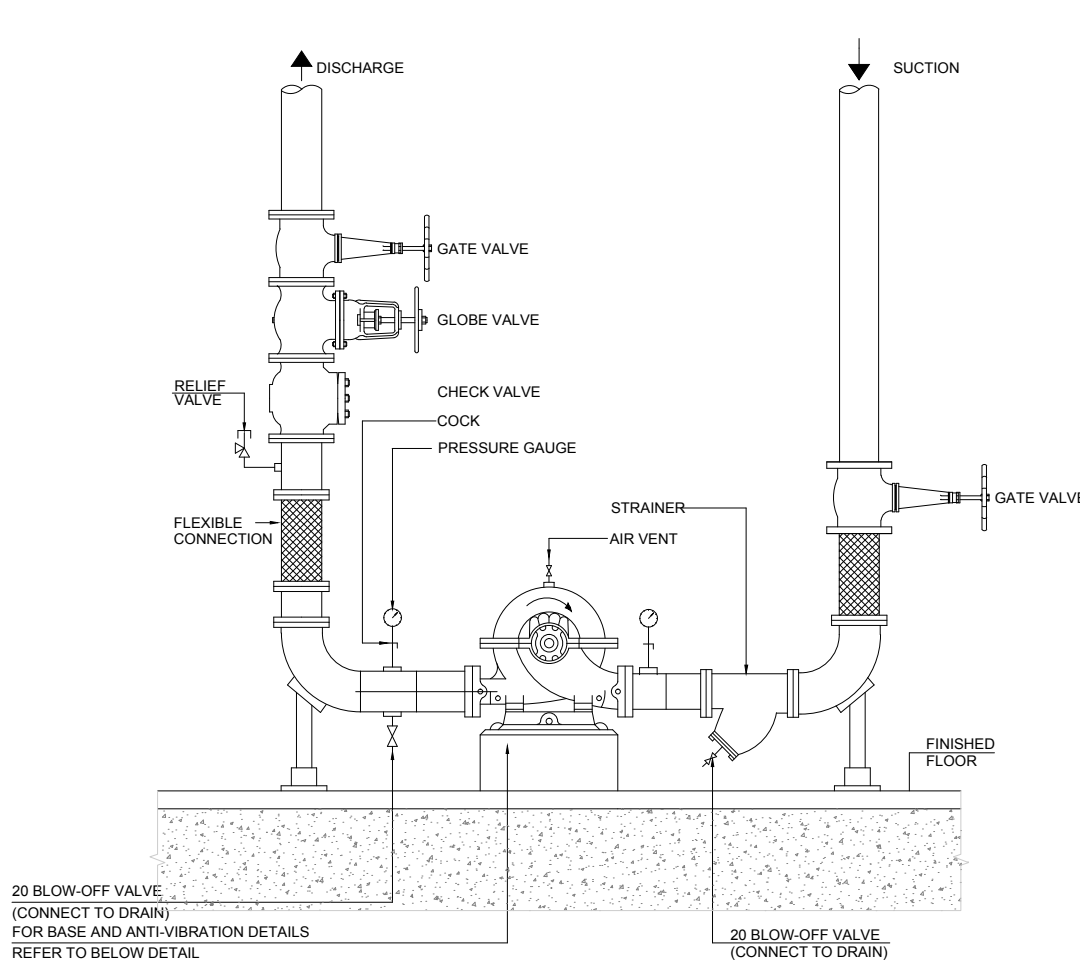


1 INSULATION WORKS DETAILS

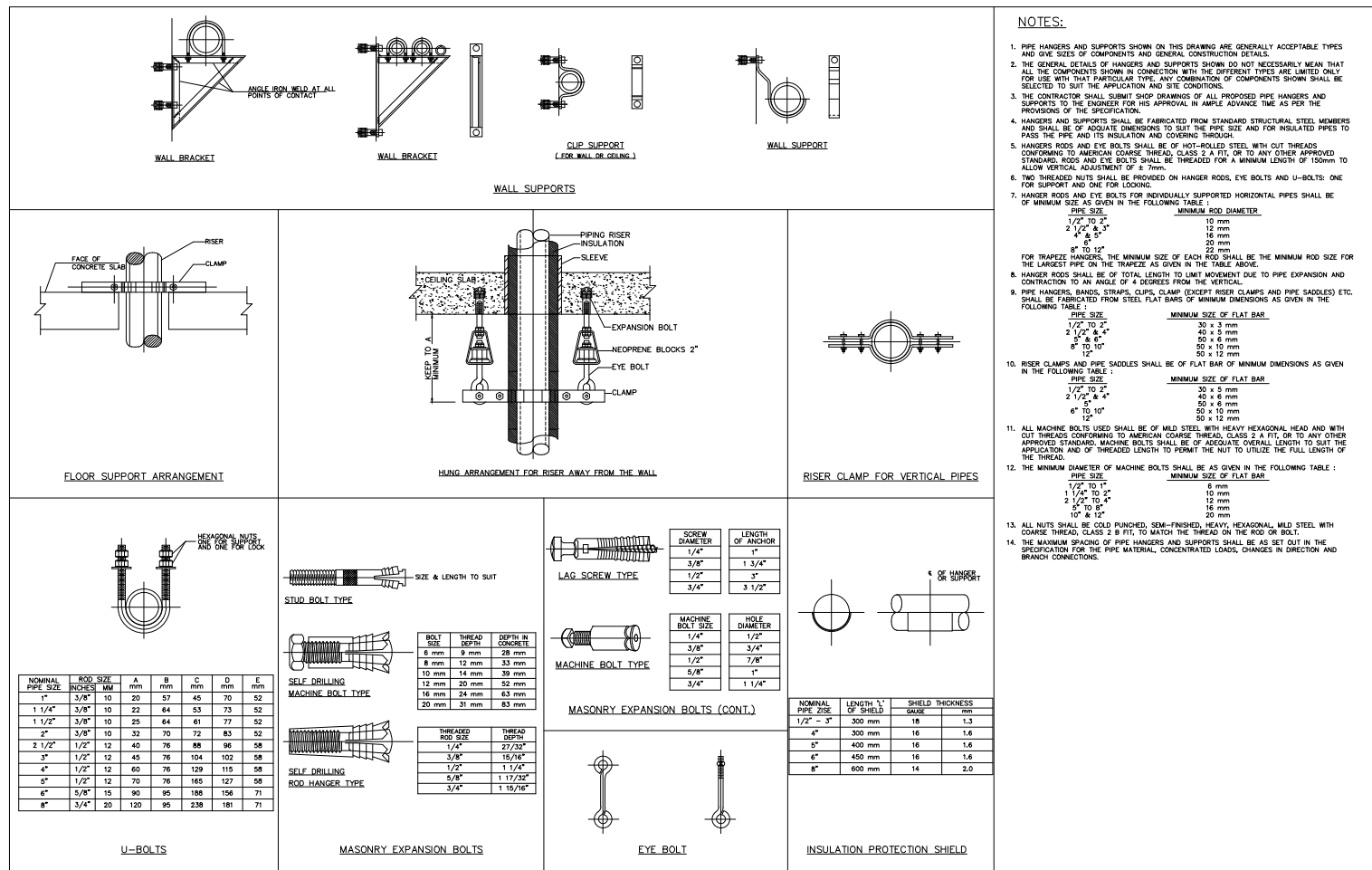


STEEL PIPE SUPPORT SPACING		
PIPE DIAMETER (mm)	MAXIMUM SUPPORT SPACING (mm)	MINIMUM SIZE OF HANGER ROD (mm)
15	1500	10
20	1800	10
25	2000	10
32	2500	10
40	2700	10
50	3000	10
65	3300	10
80	3600	10
100	4200	13
125	4480	16
150	5200	22
200	5800	25

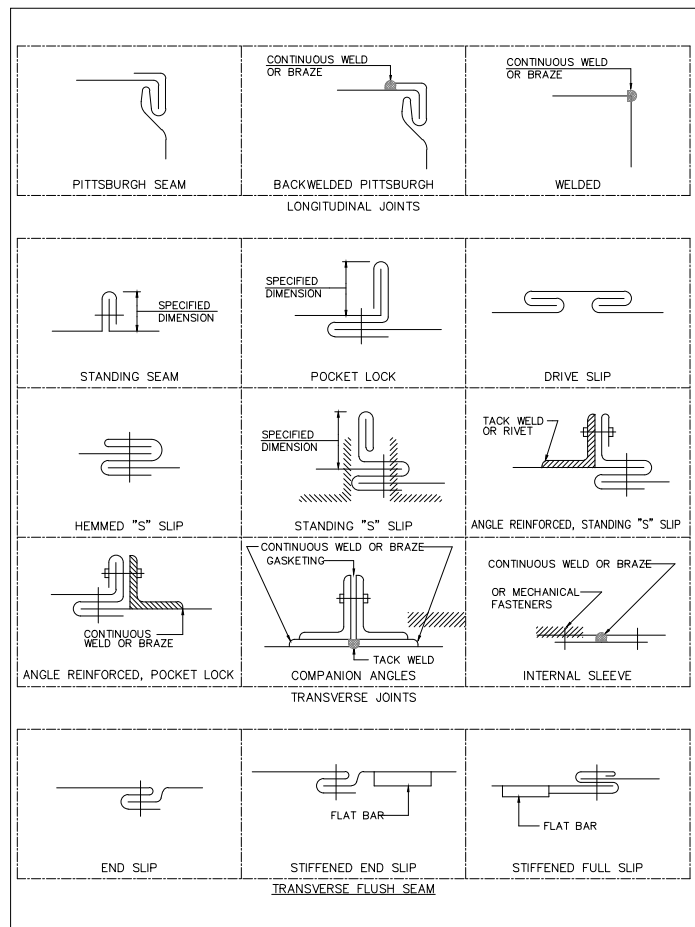
2 PIPES SUPPORTS AND HANGERS



3 HORIZONTAL SPLIT CASE PUMP INSTALLATION DETAIL



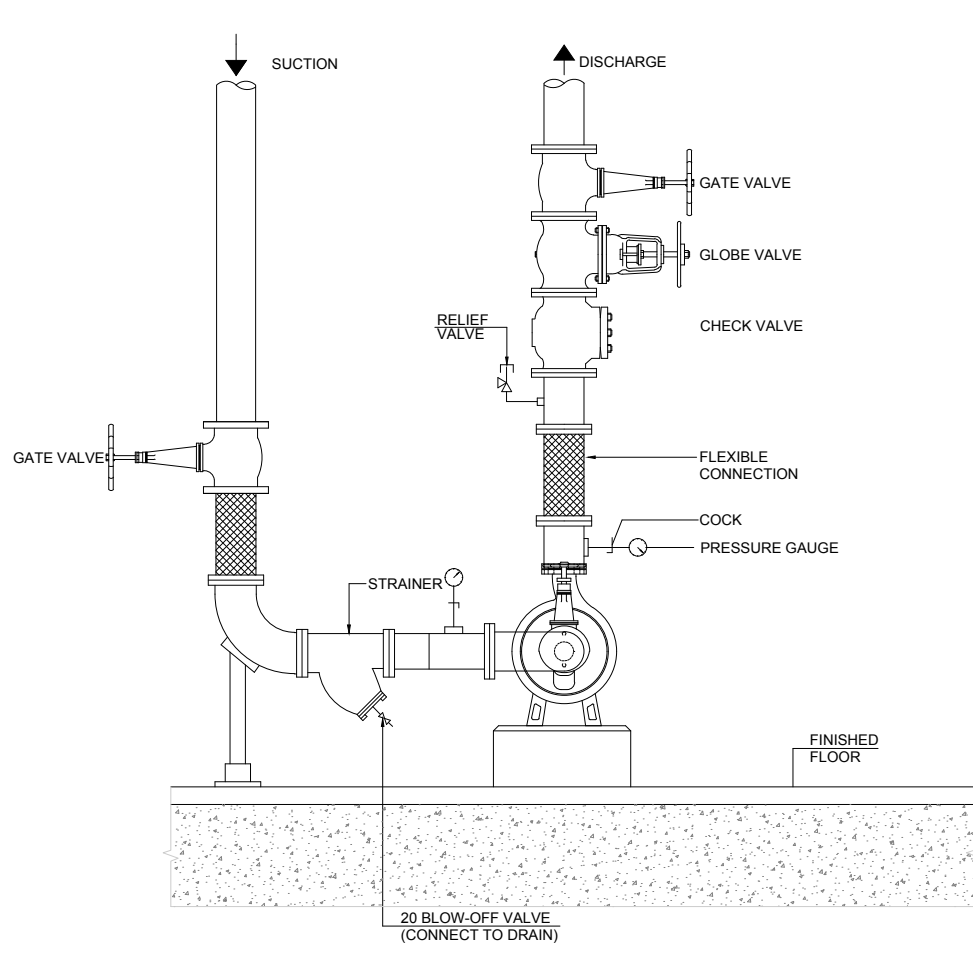
4 PIPES SUPPORTS AND HANGERS



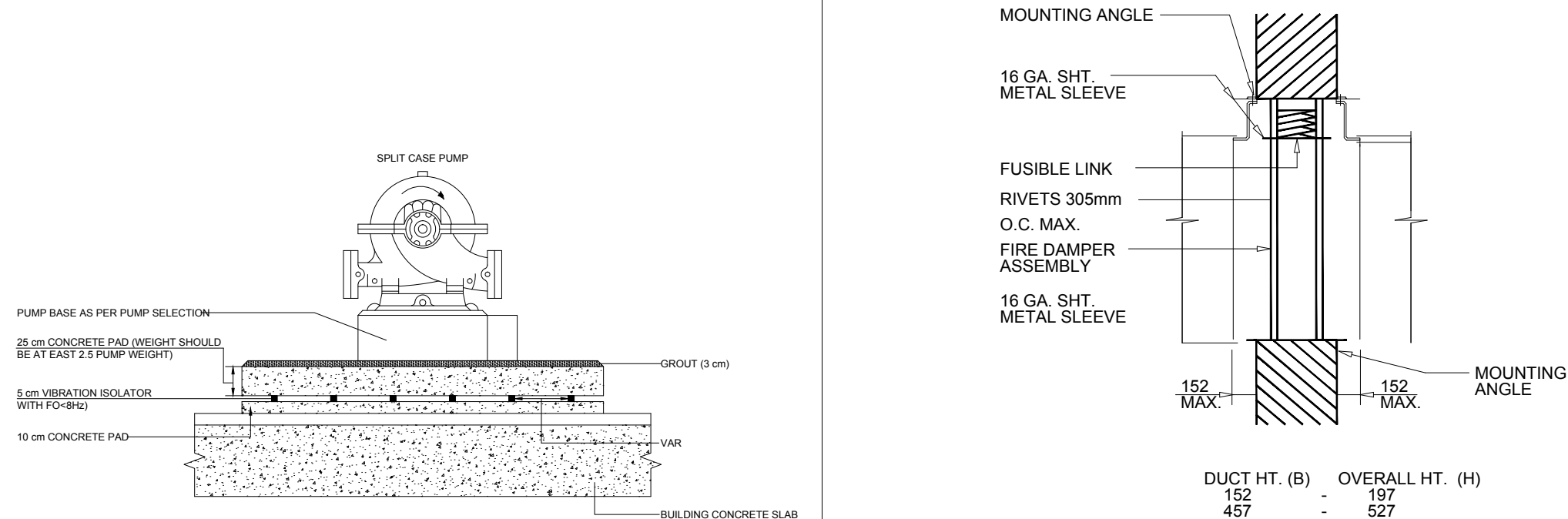
5 DUCT WORK JOINTS

METAL GAUGE	DUCT DIA. IN mm	TRANSVERSE JOINTS CONSTRUCTION	SPACING mm	TRANSVERSE BRACING	ROD DIA. mm	HANGERS SHELF ANGLE mm	WALL SPACING mm
26	UP 300mm	25mm POCKET LOCK HANGER TO SLIP 25mm SLIP 25mm SLIP	2400	NONE	10	40x40 x3mm	2400
24	475 700mm	25mm POCKET LOCK HANGER TO SLIP 25mm SLIP 25mm SLIP	2400	NONE	10	25x25mm	1800
22	775 1000mm	25mm POCKET LOCK HANGER TO SLIP 25mm SLIP 25mm SLIP	1200	NONE	10	45x40 x3mm	1800
20	1075 1300mm	40mm POCKET LOCK HANGER TO SLIP 40mm SLIP 40mm SLIP	1200	NONE OR EQUIV. BREAK	12	50x50x3mm	1800
18	1375 1500mm	40mm REINFORCED HANGER TO SLIP 40mm SLIP 40mm SLIP	1200	40x40x3mm ANGLE CENTERED BETWEEN JOINTS	12	50x50x3mm	2400
16	2125 2400mm	40mm REINFORCED HANGER TO SLIP 40mm SLIP 40mm SLIP	2400	40x40x3mm ANGLE CENTERED BETWEEN JOINTS	12	50x50x3mm	2400
	2425 3000mm	40mm REINFORCED HANGER TO SLIP 40mm SLIP 40mm SLIP	2400	40x40x3mm ANGLE CENTERED BETWEEN JOINTS	12	75x75x6mm	2400

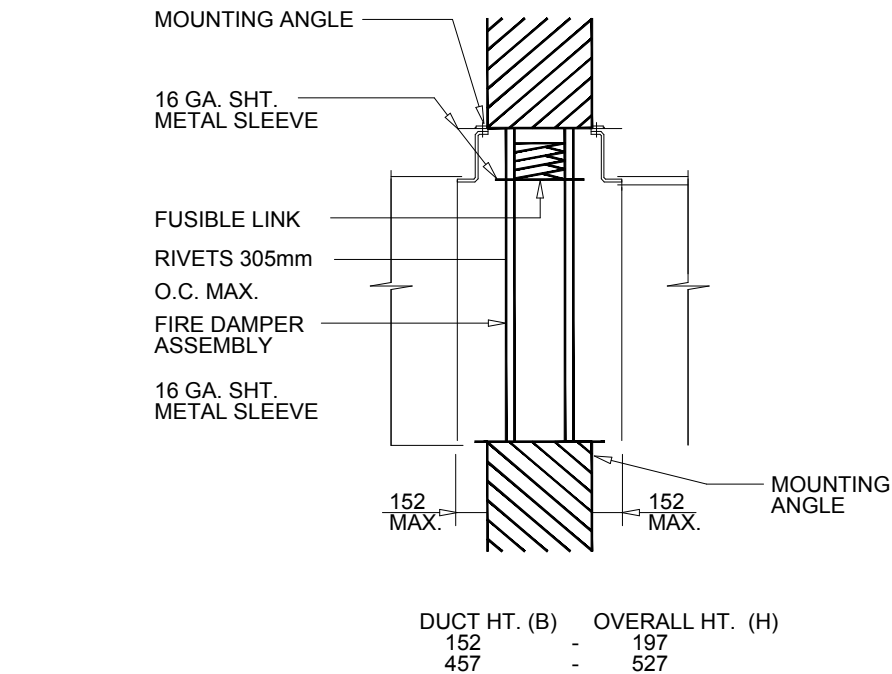
6 LOW PRESSURE GALVANIZED STEEL DUCTWORKS SPECIFICATIONS TABLE



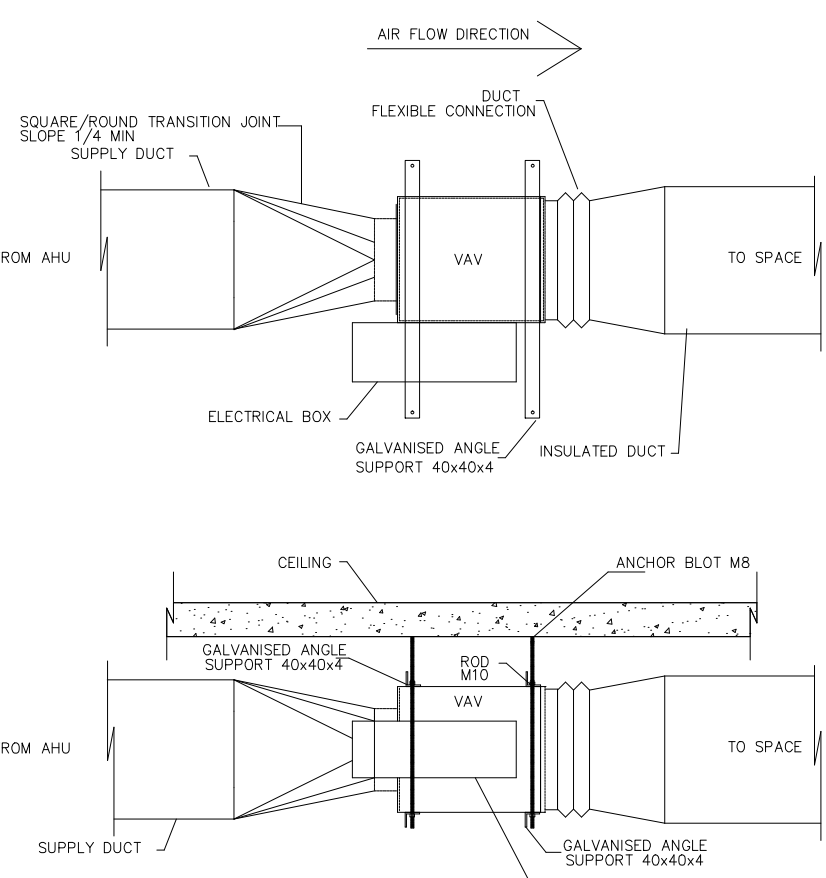
7 HORIZONTAL END SECTION PUMP INSTALLATION DETAIL



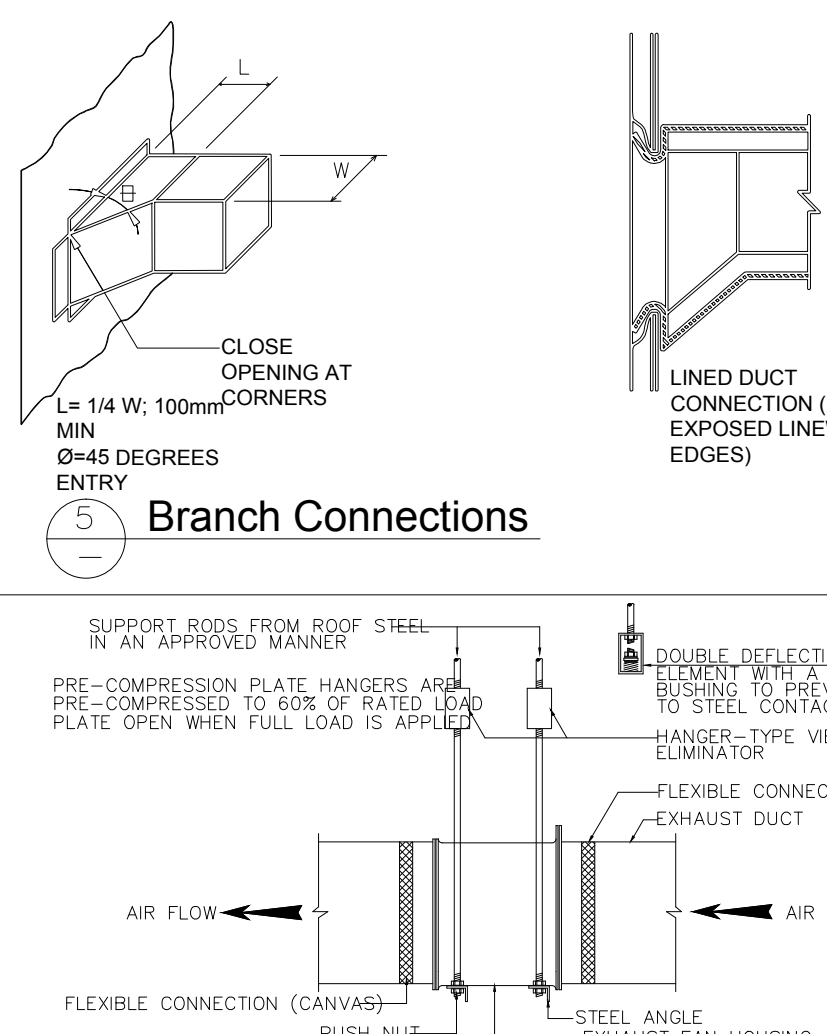
8 PUMP BASE DETAIL



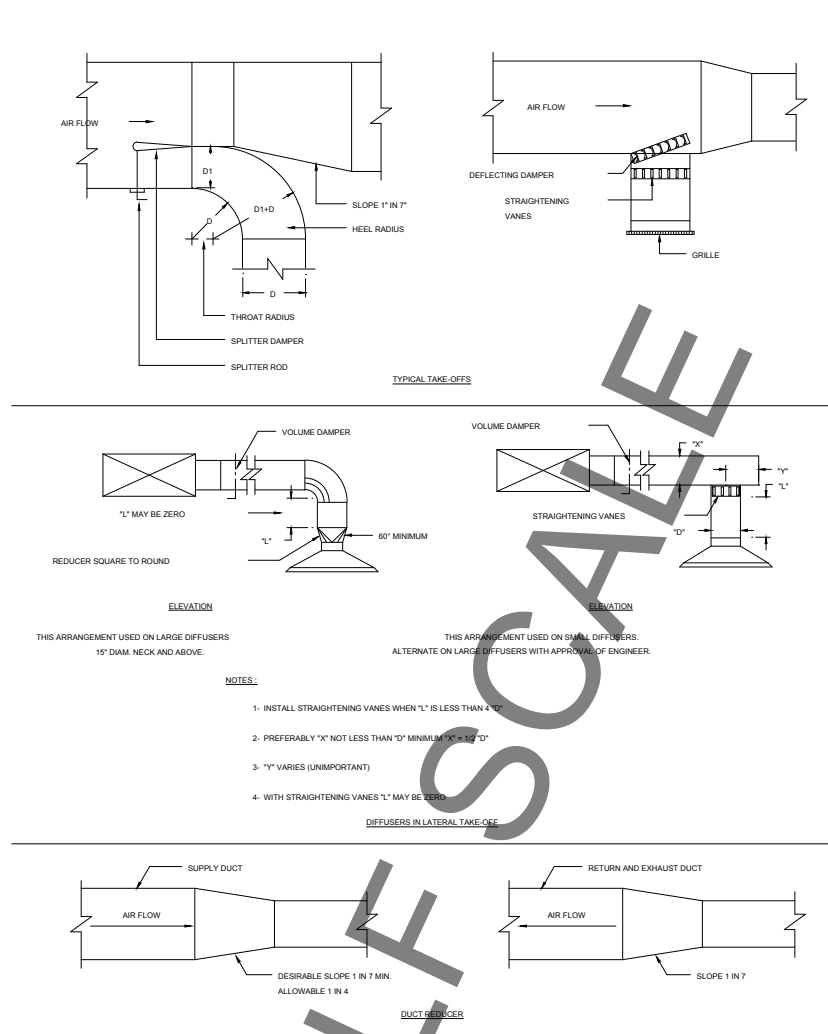
9 FIRE DAMPER INSTALLATION DETAIL



10 VAV INSTALLATION DETAIL



11 Details Of Installation Of Inline Fan Not to Scale



12 Details Of DUCT TAKE-OFFS Not to Scale

OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

A.CHEHAB architects & engineers

Beirut office: Tel: 01-800316 - 800117 Fax: 01-800315
Saida office: Tel: 07-728004 Tel.Fax: 07-725118
Email: info@CDRS-CO.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

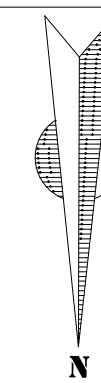
CODE No:

L1202

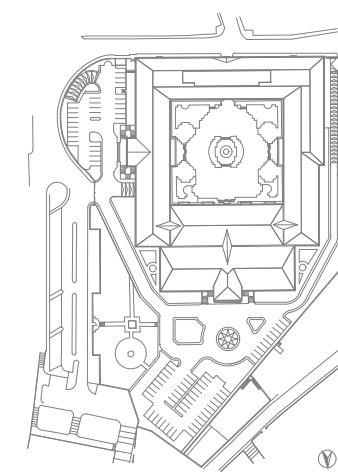
PROJECT LOCATION: Beirut - Lebanon

NOTES:

NORTH:



KEY PLAN:



SCALE

NTS

DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: BS

APPROVED BY: AC

SHEET TITLE

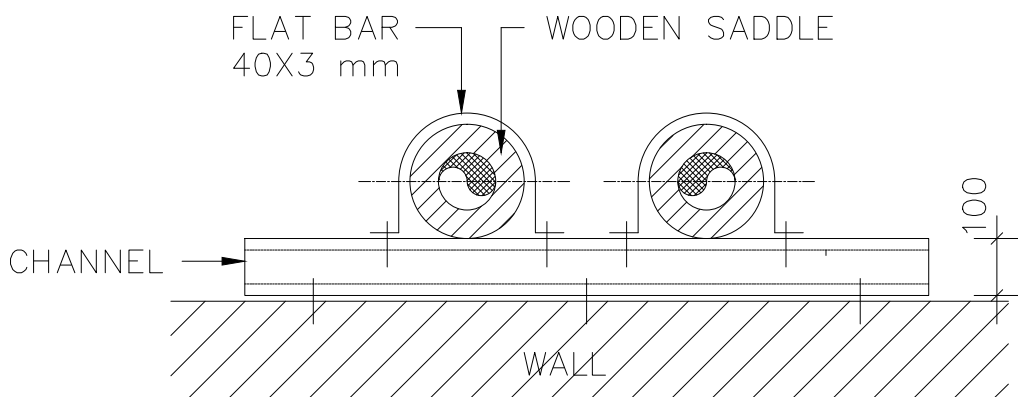
HVAC Miscellaneous
Details - 2/3

SHEET NO.

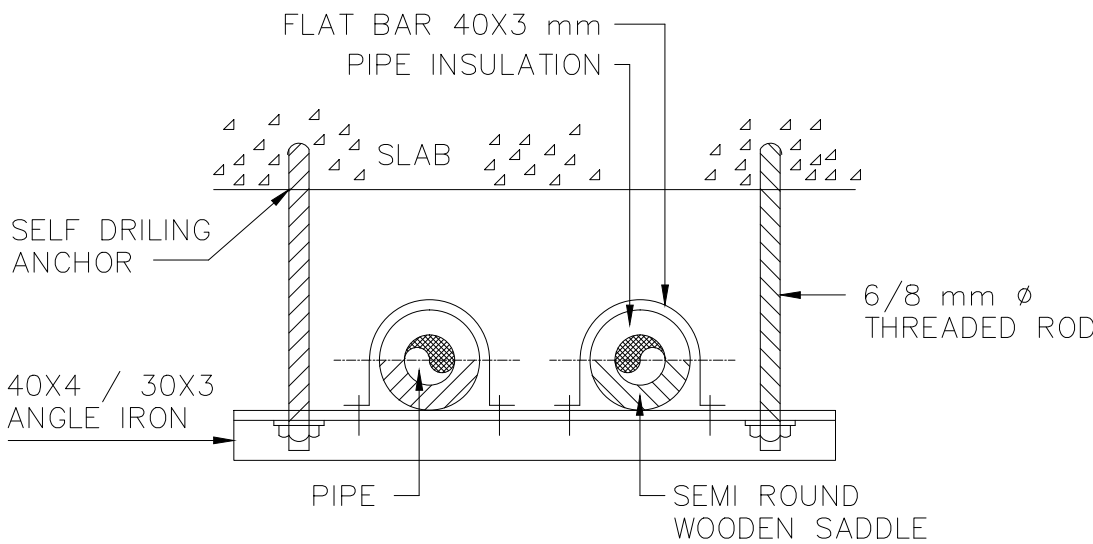
L1202-CD-M-011-A1

Revision NO.

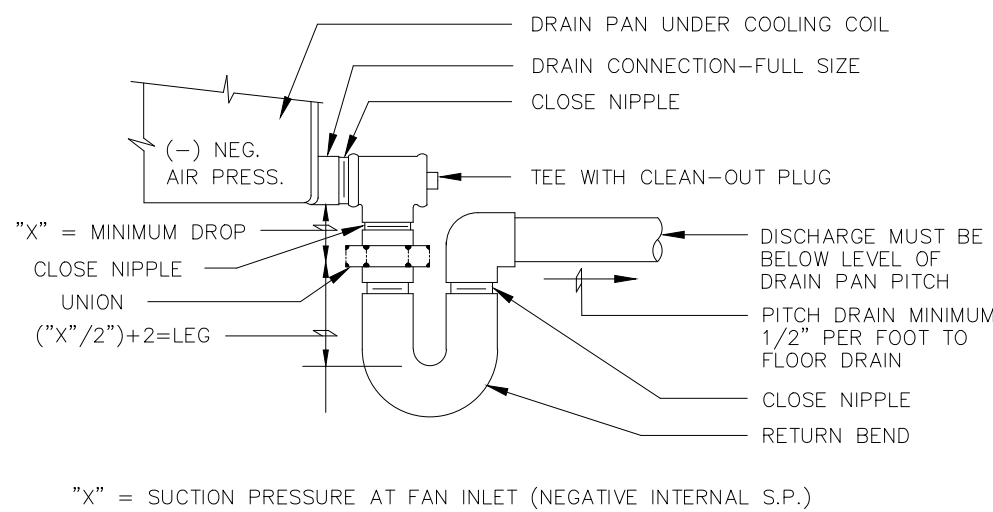
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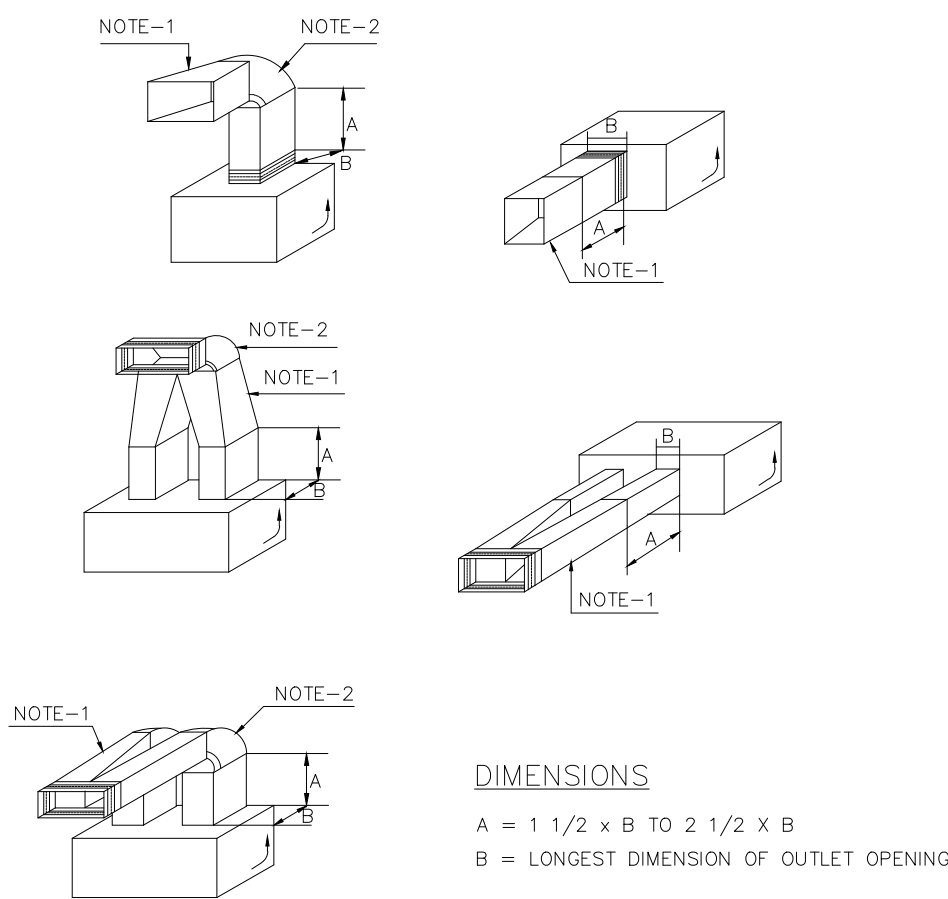
1 TYPICAL VERTICAL PIPE SUPPORT DETAIL



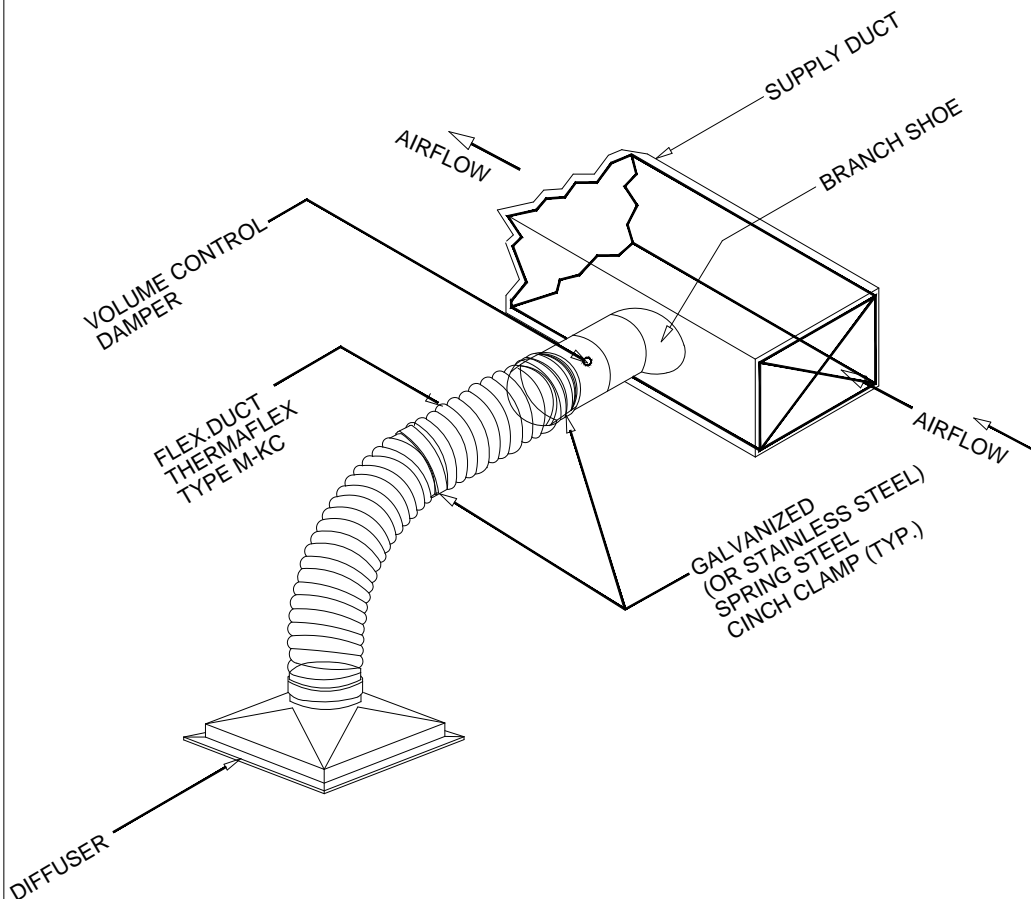
2 TYPICAL HORIZONTAL PIPE SUPPORT DETAIL



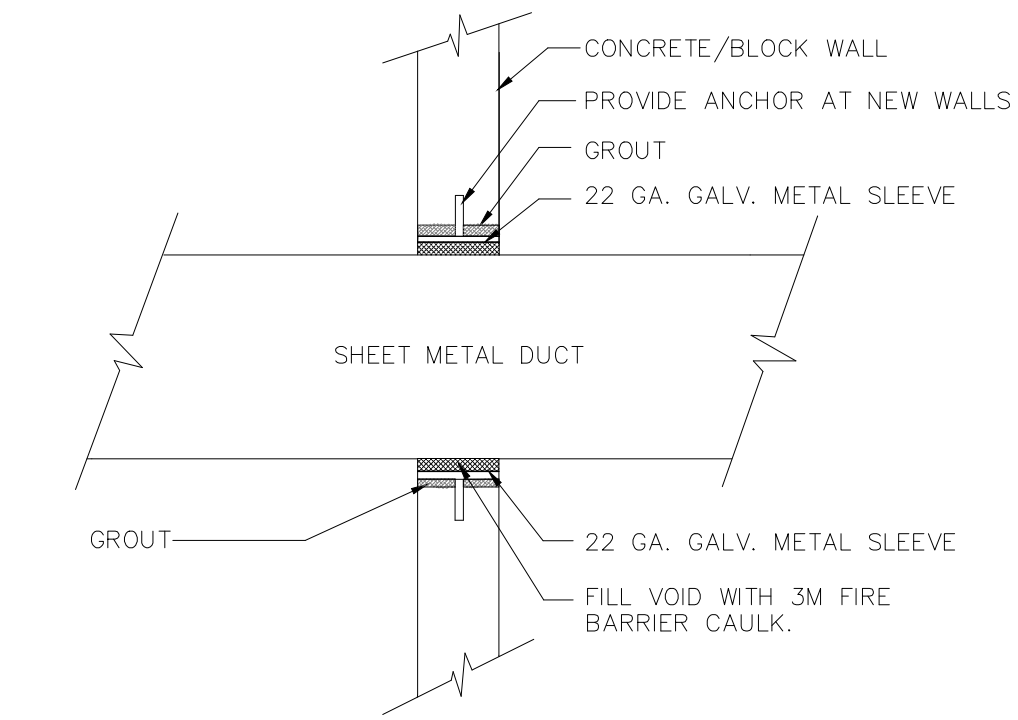
3 DRAW THRU AIR HANDLING UNIT COOLING COIL DRAIN PAN DETAIL



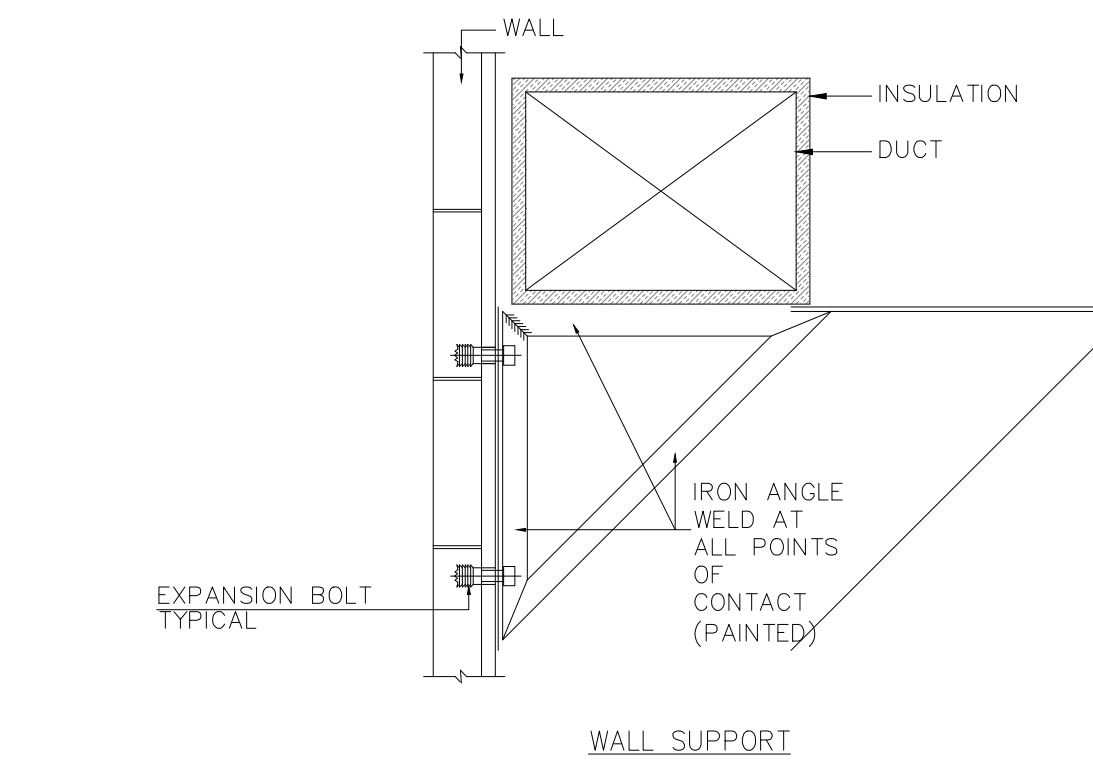
4 FAN UNIT DISCHARGE CONNECTION



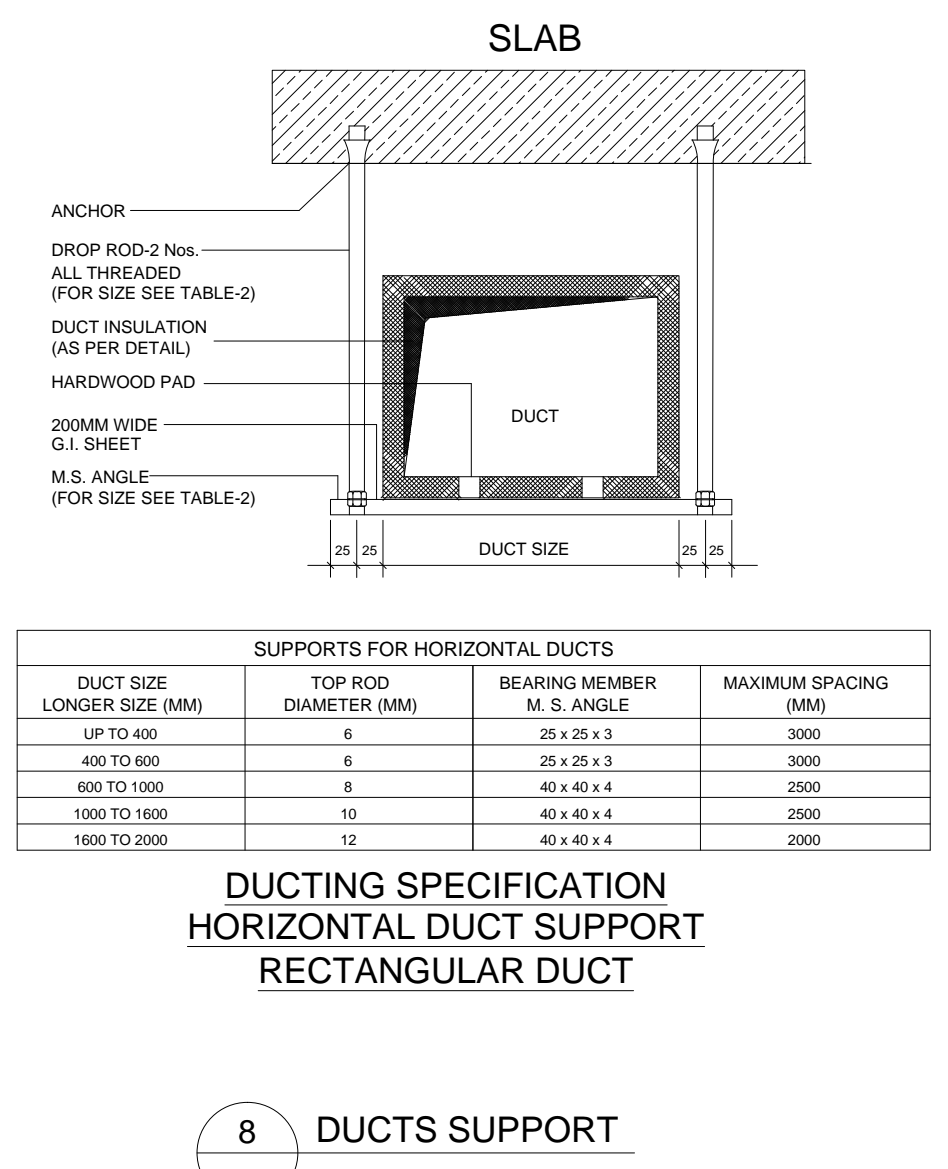
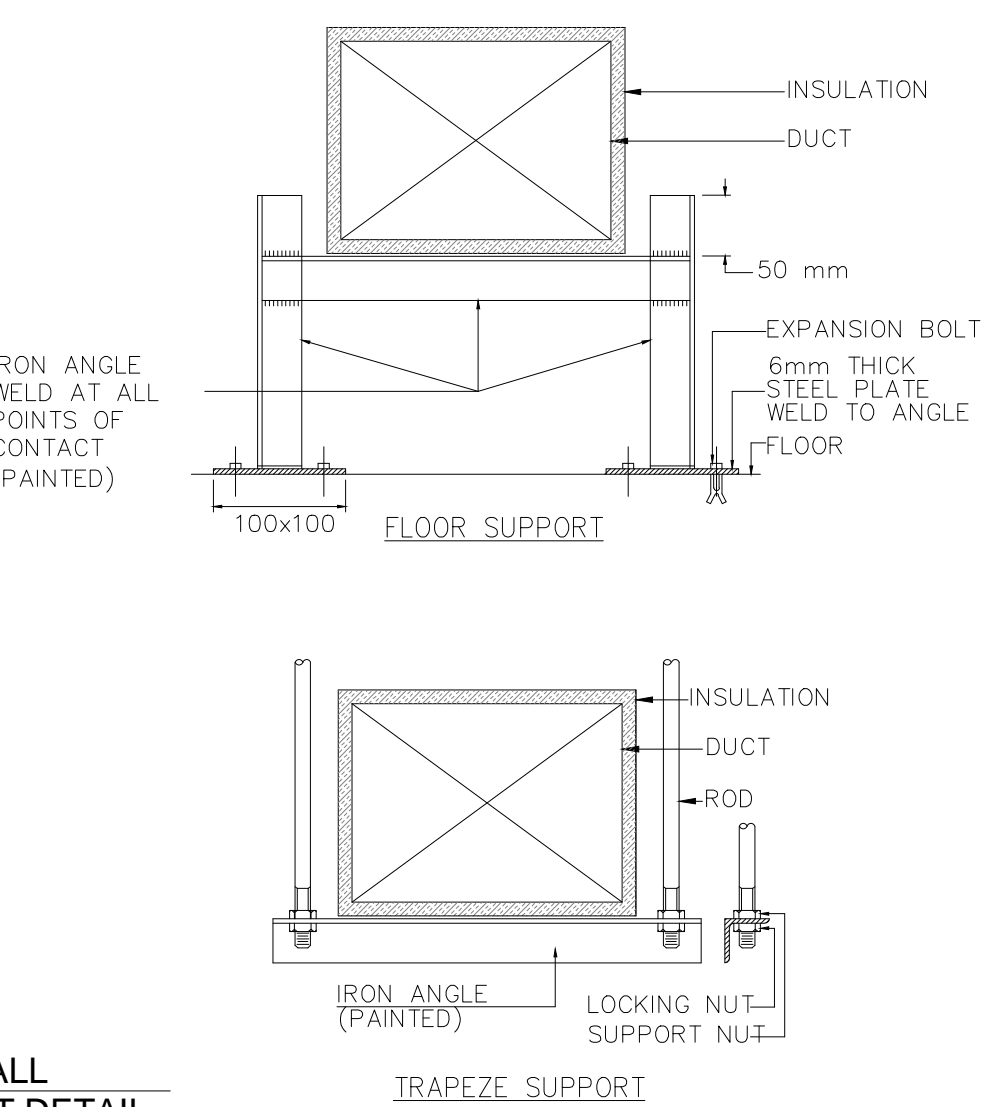
5 FLEXIBLE DUCT INSTALLATION DETAIL



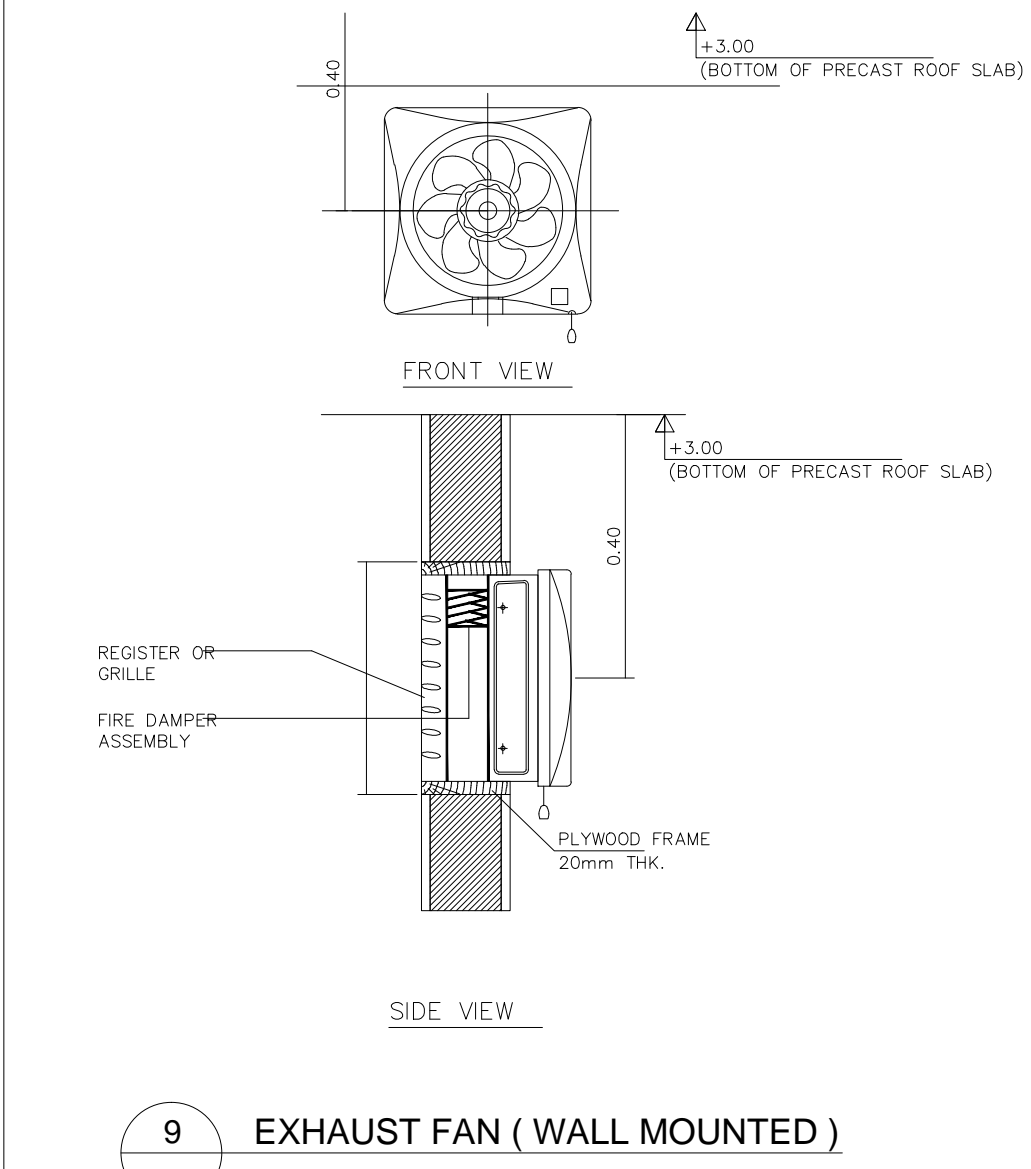
6 DUCT PASSING THROUGH WALL DETAIL



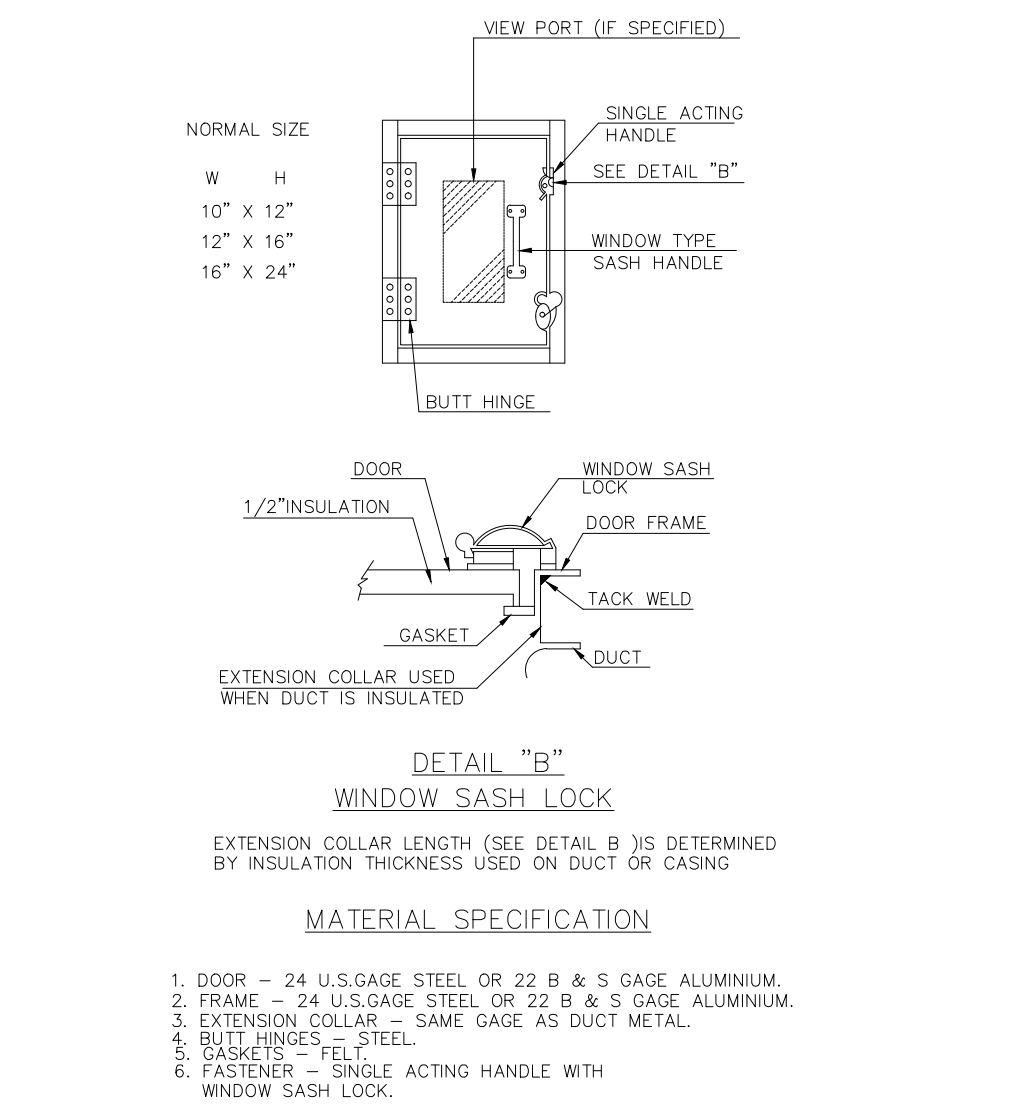
7 DUCT WALL SUPPORT DETAIL



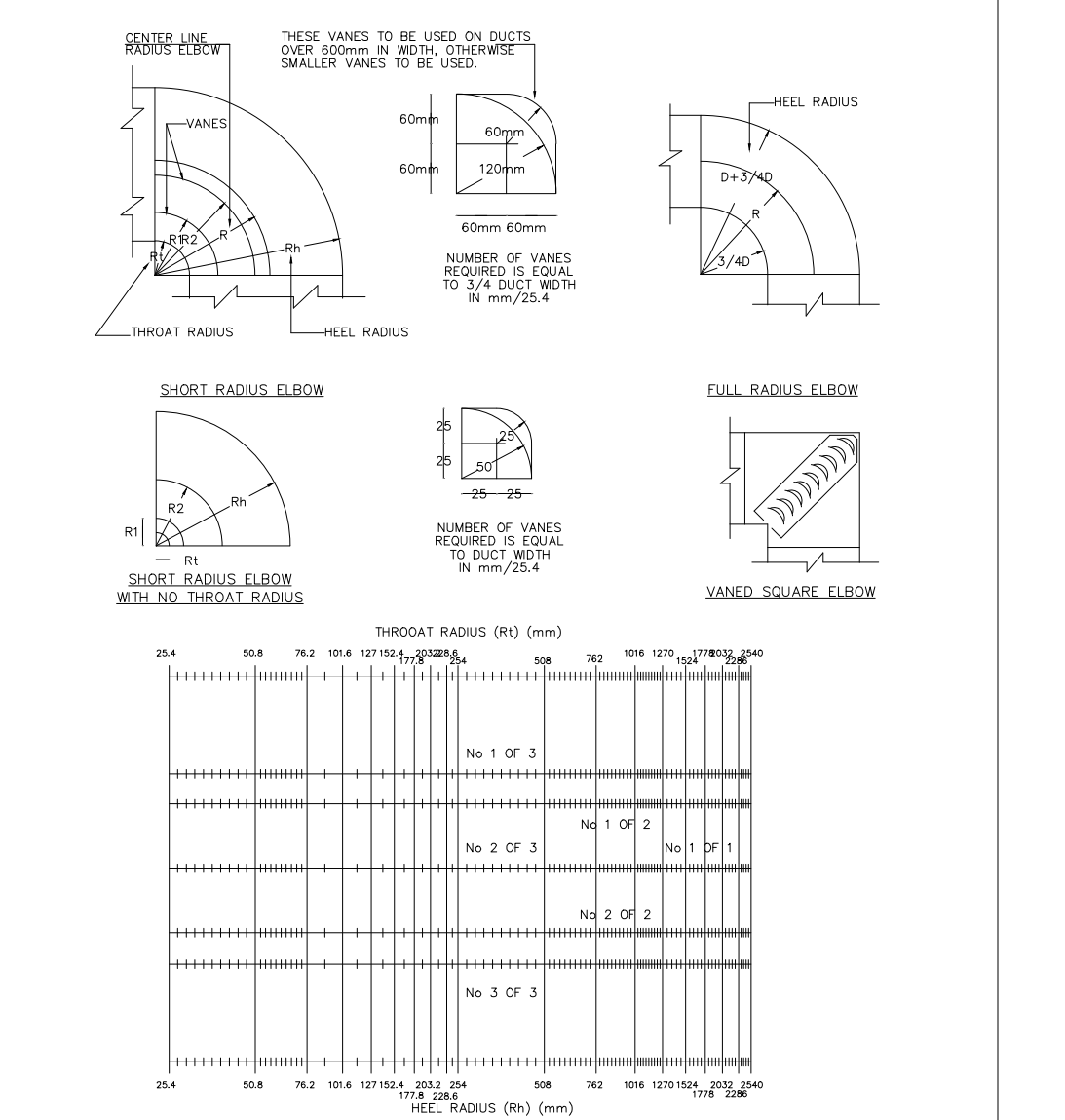
8 DUCTS SUPPORT



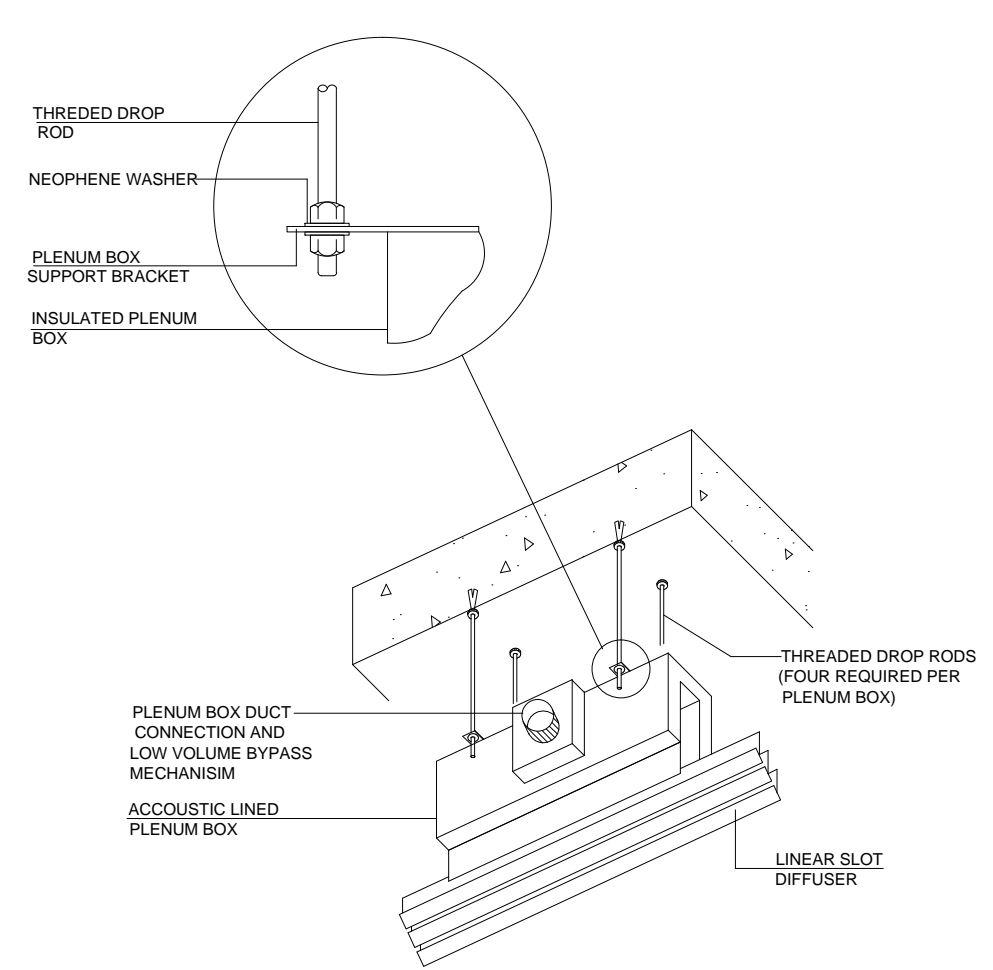
9 EXHAUST FAN (WALL MOUNTED)



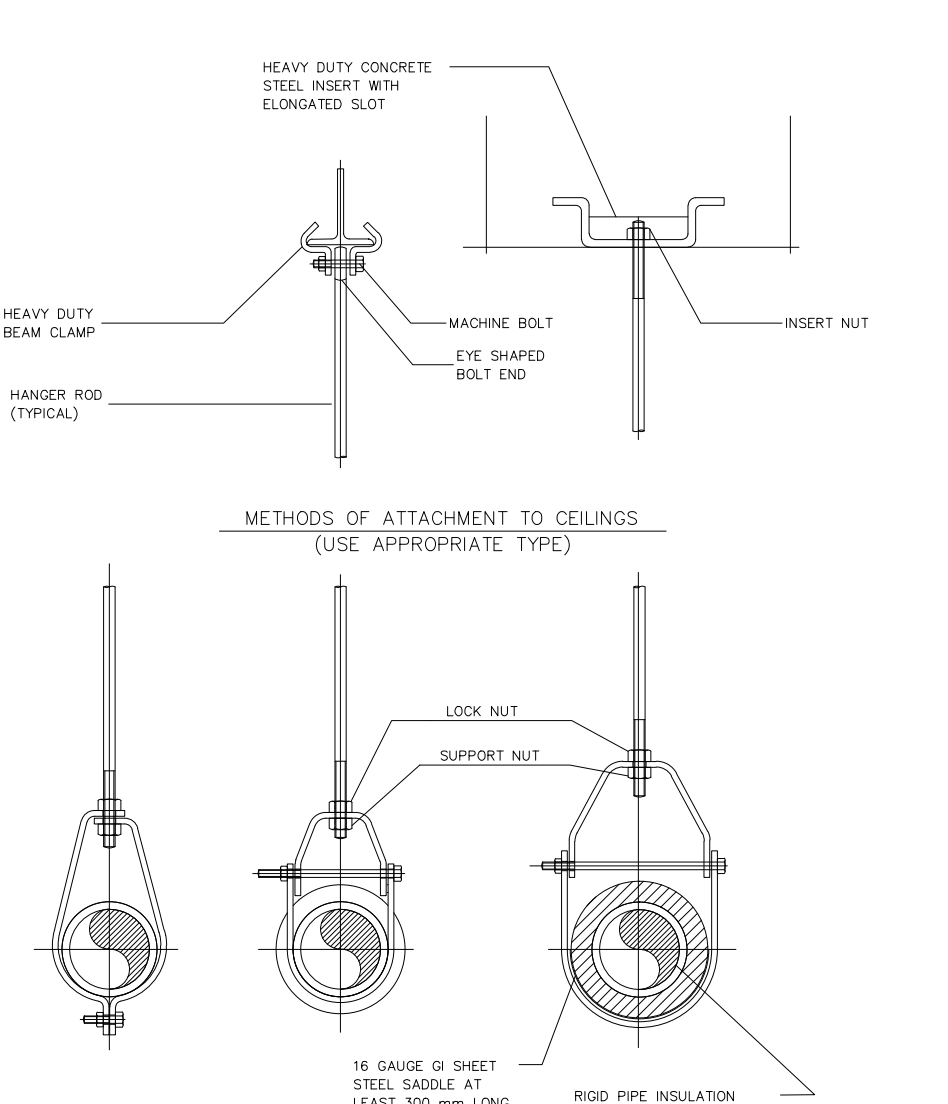
10 REACH - THRU ACCESS DOOR



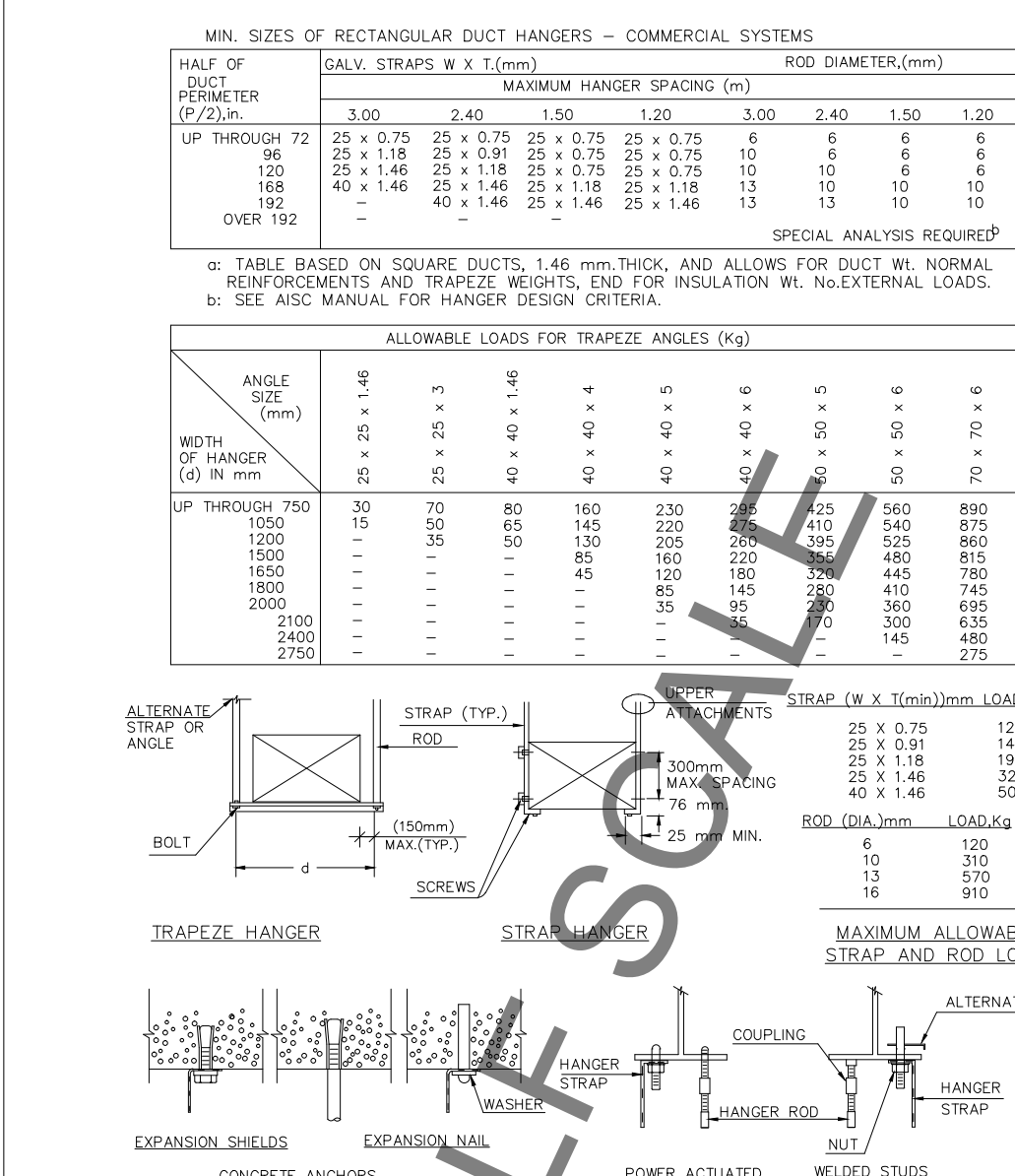
11 VANE LOCATION CHART FOR RECTANGULAR ELBOWS



12 DETAIL OF PLENUM BOX SUPPORT/ADJUSTMENT SYSTEM



13 BOLTED BAND HANGER,CLEVIS HANGER CLEVIS HANGER & PIPE HANGERS



14 UPPER ATTACHMENTS

OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

A.CHEHAB architects & engineers

Beirut office: Tel: 01-800316 - 800117 Fax: 01-800315
Saida office: Tel: 07-28004 Tel.Fax: 07-28118
Email: info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

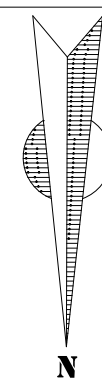
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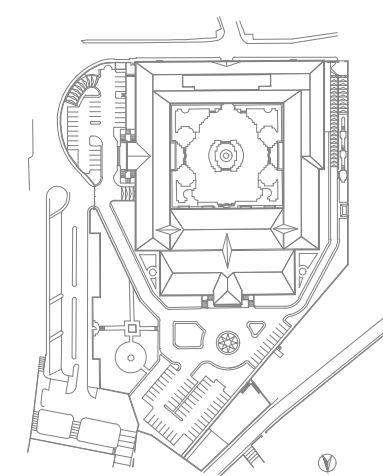
PROJECT LOCATION: Beirut - Lebanon

NOTES:

NORTH:



KEY PLAN:



SCALE

NTS

DATE: May 2022

DRAWN BY:BM - MD

DESIGNED BY:BM - MD

CHECKED BY:BS

APPROVED BY :AC

SHEET TITLE

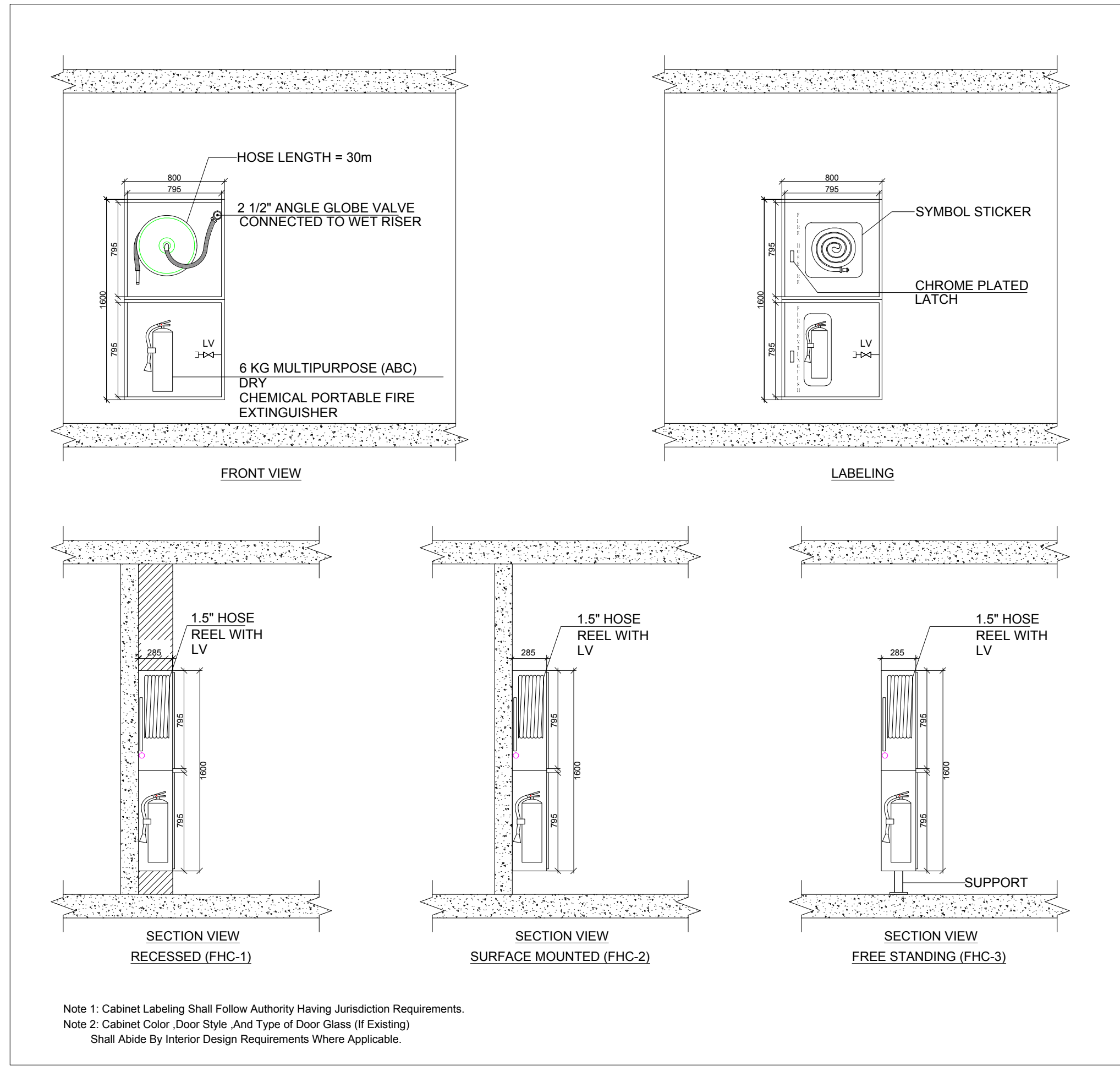
HVAC Miscellaneous
Details - 3/3

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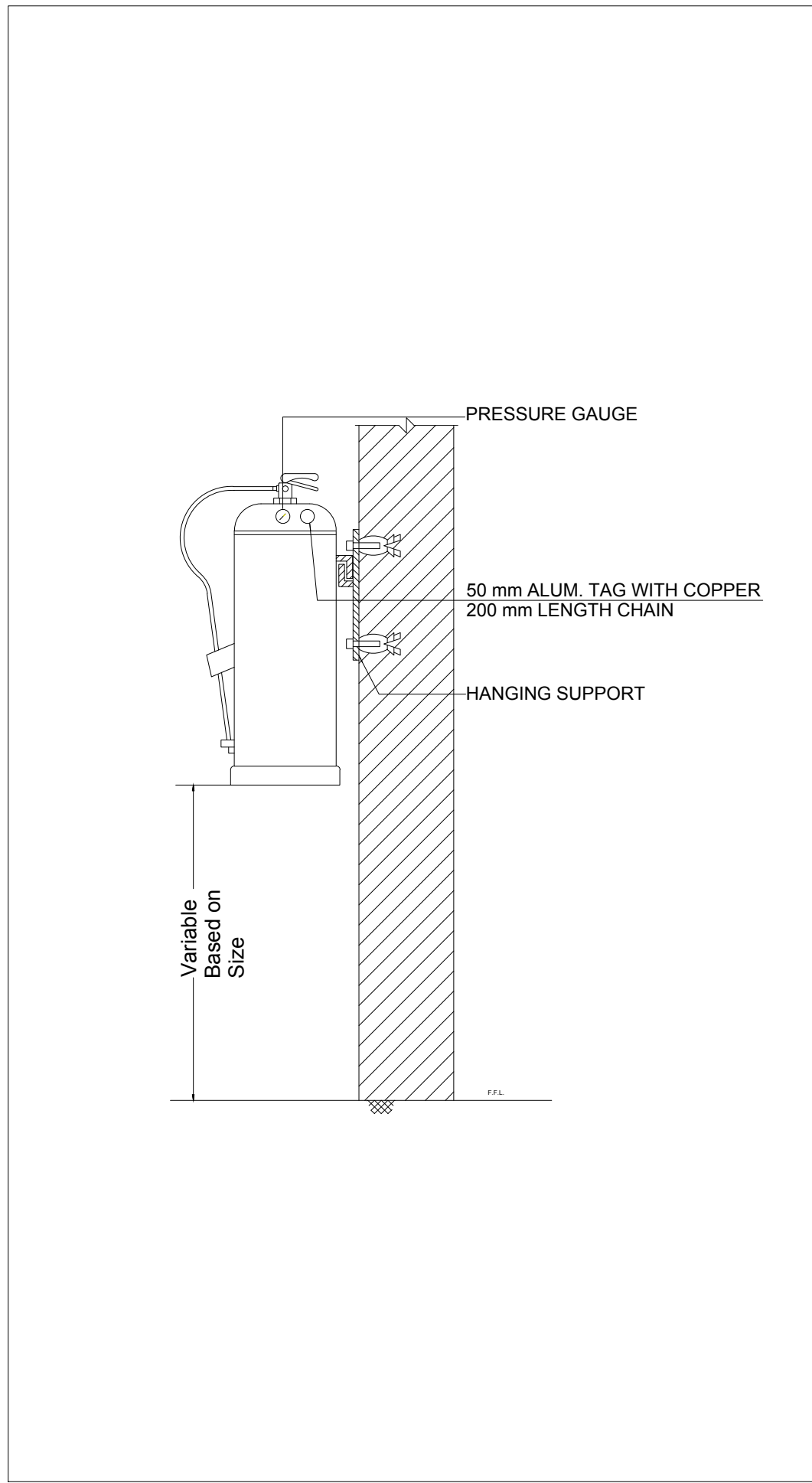
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Revision No.

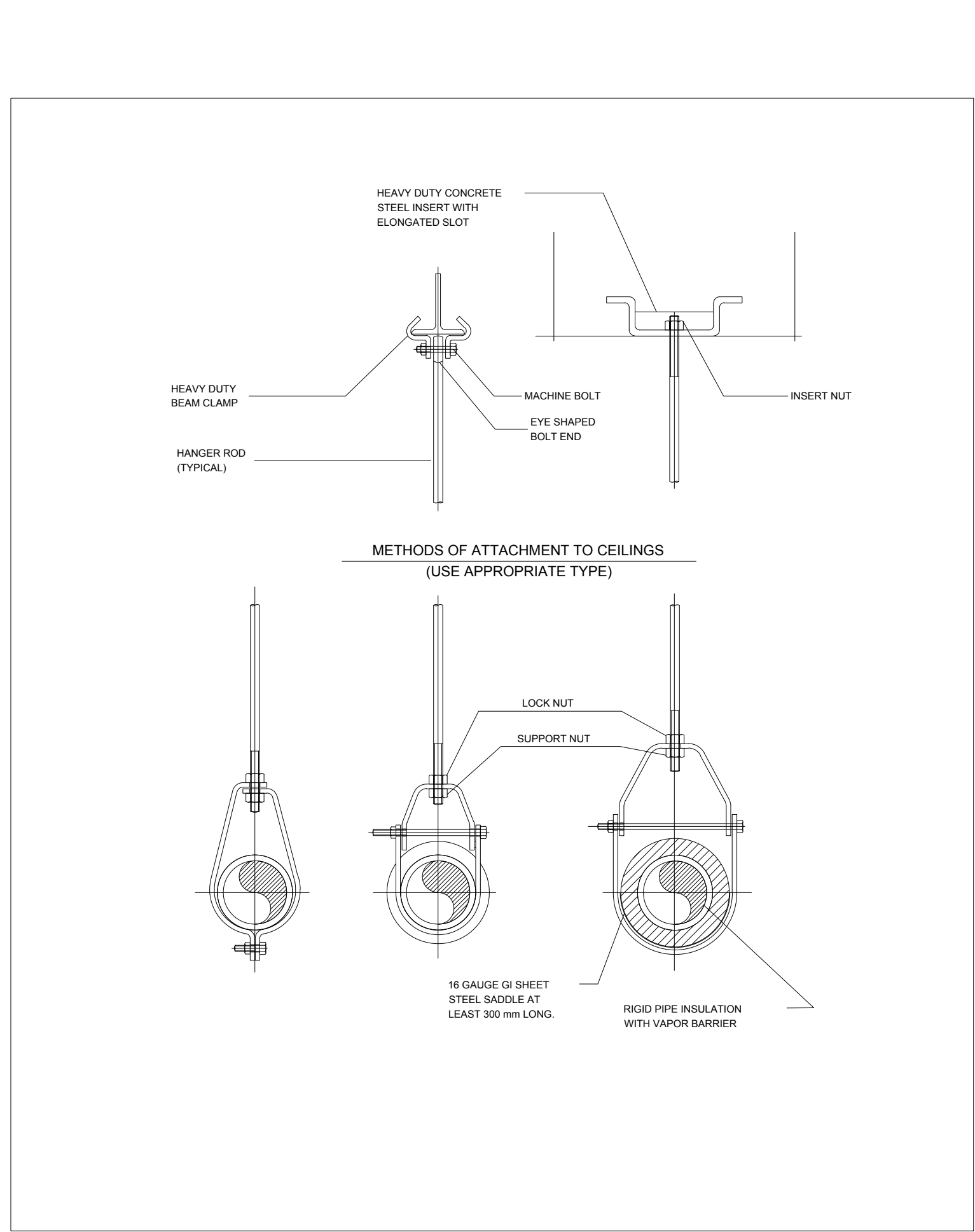
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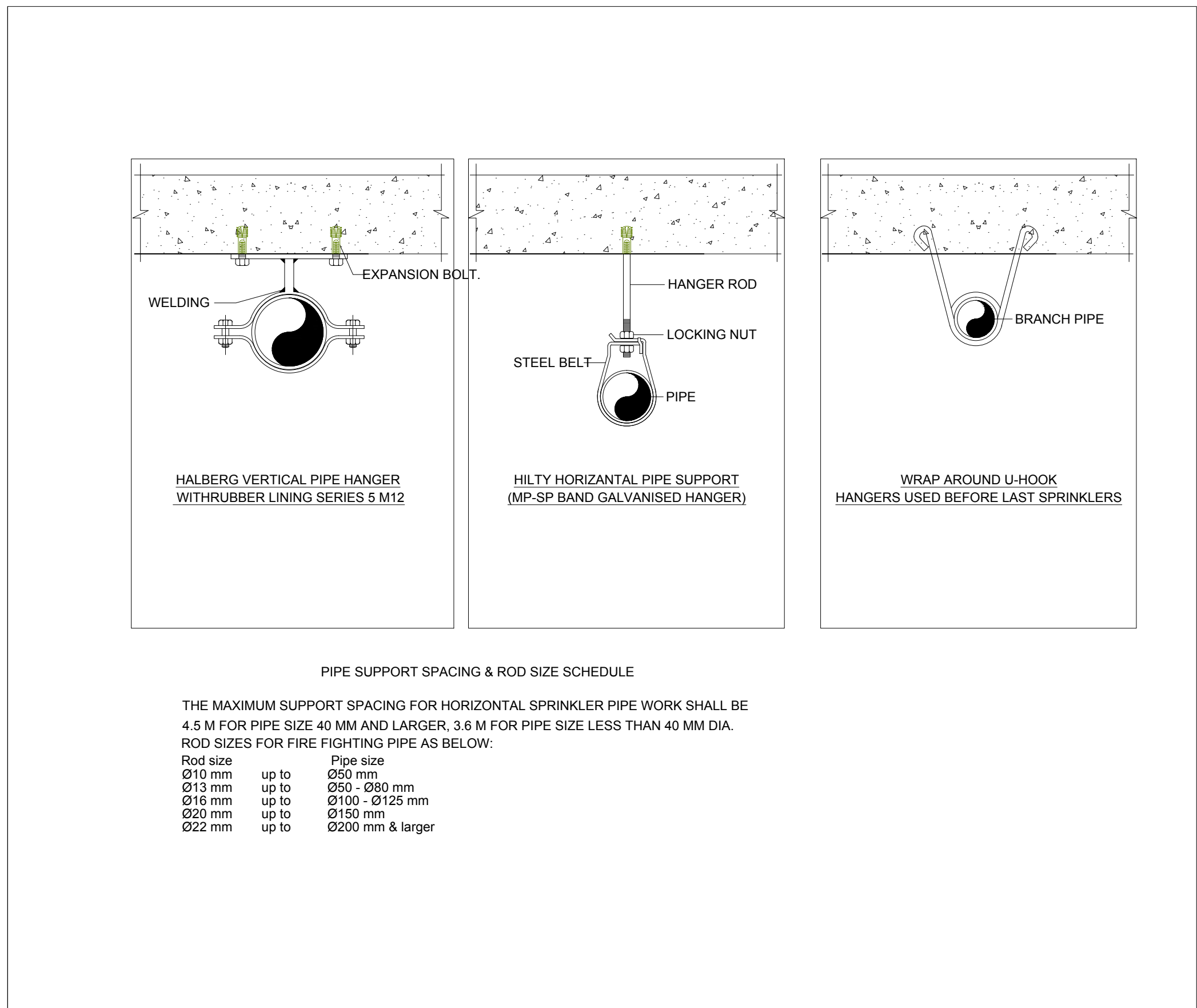
1
-
DOUBLE COMPARTMENT FIRE HOSE REEL CABINET



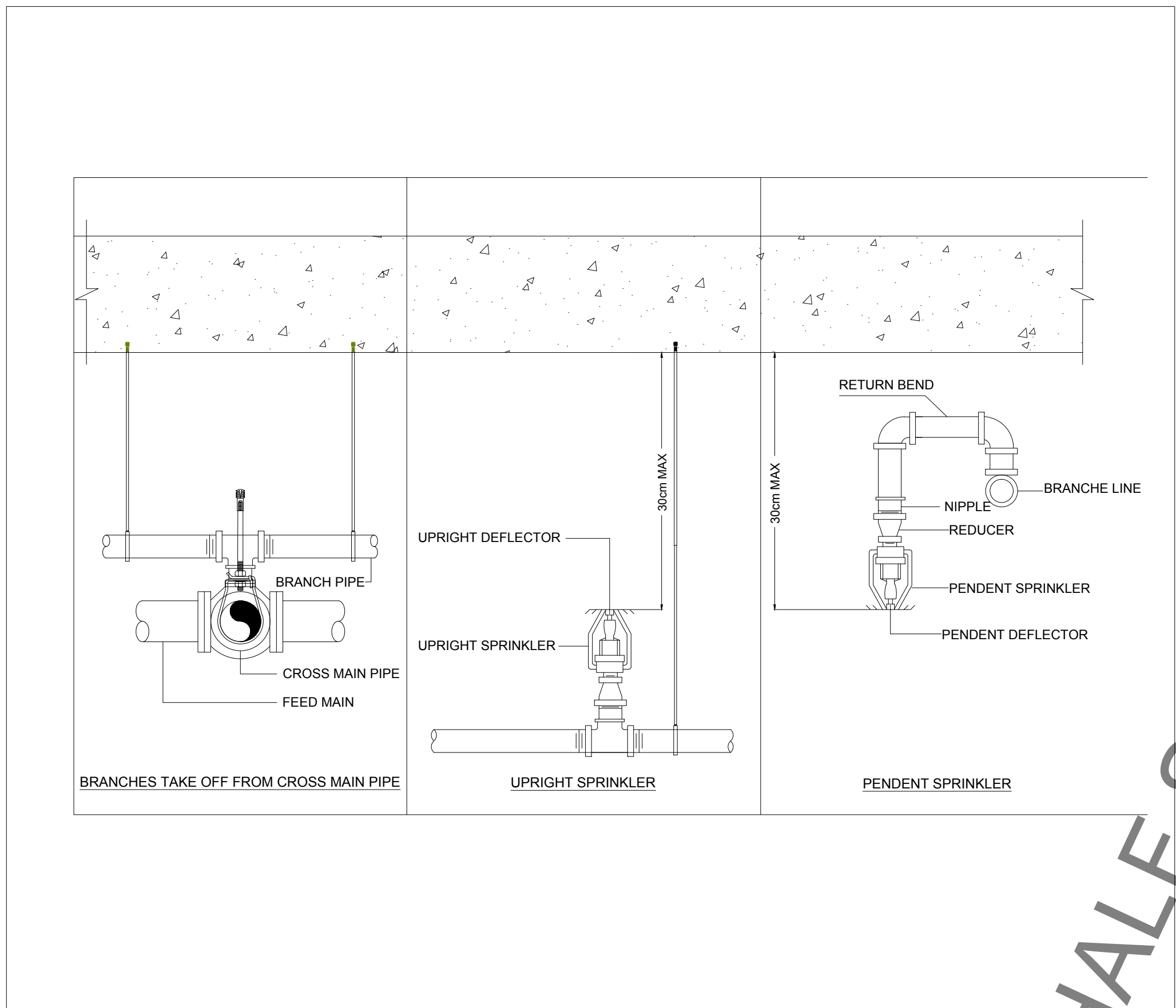
2
-
WALL HUNG PORTABLE FIRE
EXTINGUISHER



3
-
BOLTED BAND HANGER,CLEVIS HANGER
CLEVIS HANGER & PIPE HANGERS



4
-
PIPE SUPPORT AND HANGERS DETAILS



5
-
SPRINKLER INSTALLATION DETAILS

OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

A.CHEHAB architects & engineers

Beirut office: Tel: 01-800316 - 800117 Fax: 01-800315
Saida office: Tel: 07-726004 Tel.Fax: 07-725118
Email: info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

CODE No:

L1202

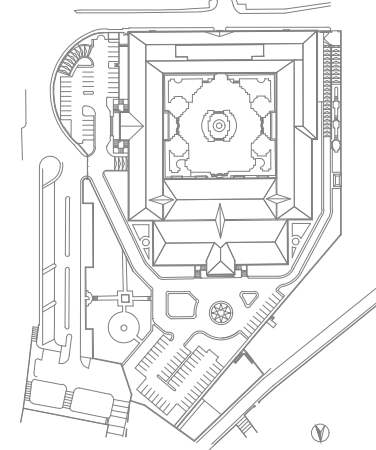
PROJECT LOCATION: Beirut - Lebanon

NOTES:

NORTH:



KEY PLAN:



SCALE

NTS

DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: BS

APPROVED BY: AC

SHEET TITLE

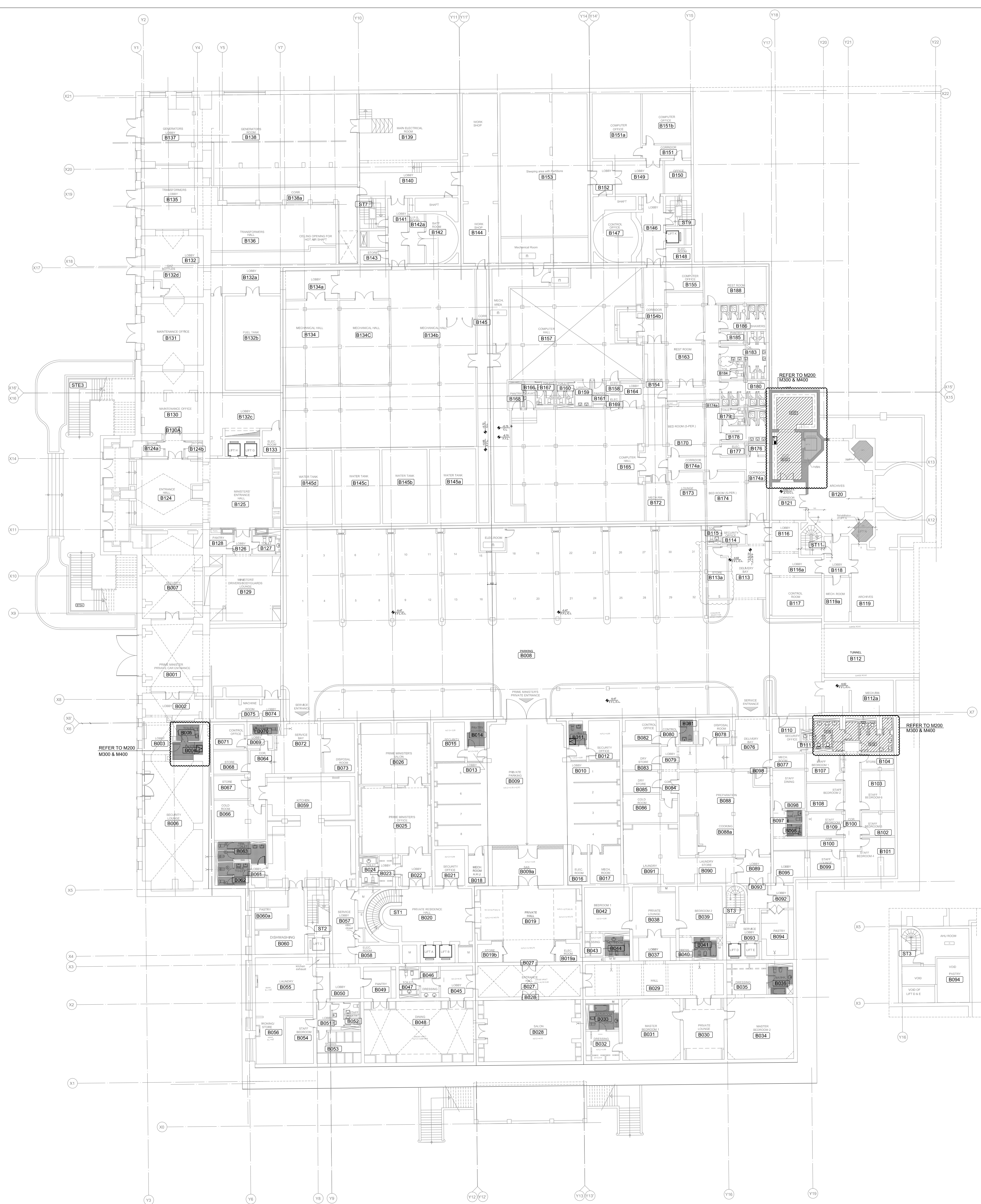
Fire Fighting
Miscellaneous details

SHEET NO.

L1202-CD-M-013-A1

Revision NO.

00



OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

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Beirut office: Tel: 01-800316 - 800117 Fax: 01-800315
Saida office: Tel: 07-28004 Tel.Fax: 07-28118
Email: info@LDRC-DO.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

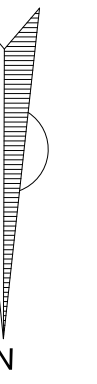
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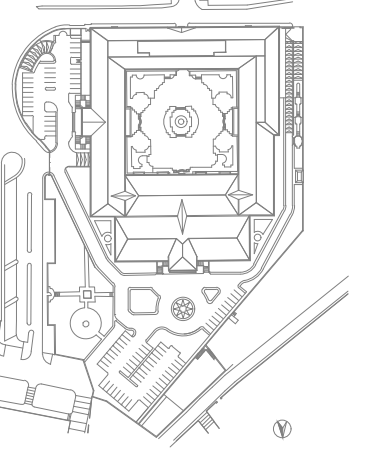
PROJECT LOCATION: Beirut - Lebanon

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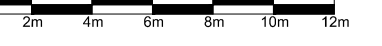
NORTH:



KEY PLAN:



SCALE BAR



DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: .BS

APPROVED BY: .AC

SHEET TITLE

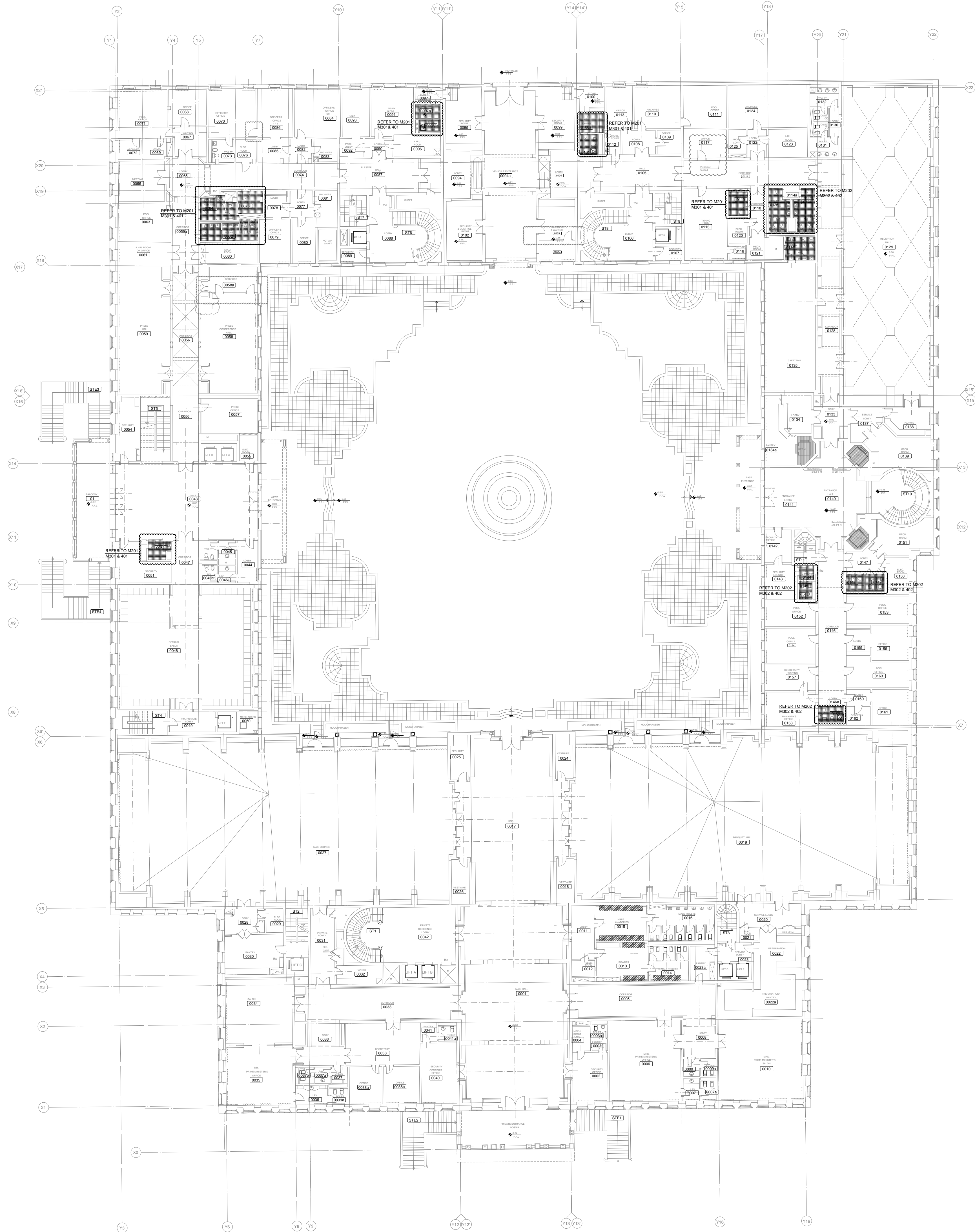
Basement Floor Key Plan

SHEET NO.

L1202-CD-M-100-A1


Revision NO.

00




HALF SCALE

OWNER NAME:




CLIENT:



CONSULTANT OFFICE :

A.CHEHAB architects & engineers



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Saida office: Tel: 07-726004 Tel.Fax: 07-725118
Email: info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

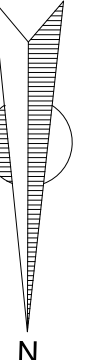
PROJECT LOCATION: Beirut - Lebanon

CODE No:

L1202

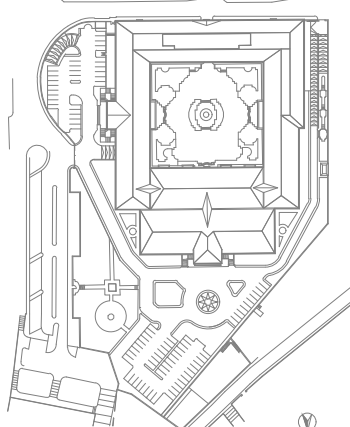
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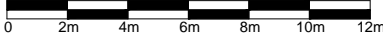


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KEY PLAN:



SCALE BAR:



0 2m 4m 6m 8m 10m 12m

DATE: May 2022
DRAWN BY: BM - MD
DESIGNED BY: BM - MD
CHECKED BY: BS
APPROVED BY: AC

SHEET TITLE:

Ground Floor Key Plan

SHEET NO.

L1202-CD-M-101- A1

Revision NO.

00



Beirut office: Tel.: 01-809316 - 809317 Fax : 01-809315
Saida office: Tel.: 07-726004 Tel/Fax : 07-725118
Email: info@LDRS-CO.com

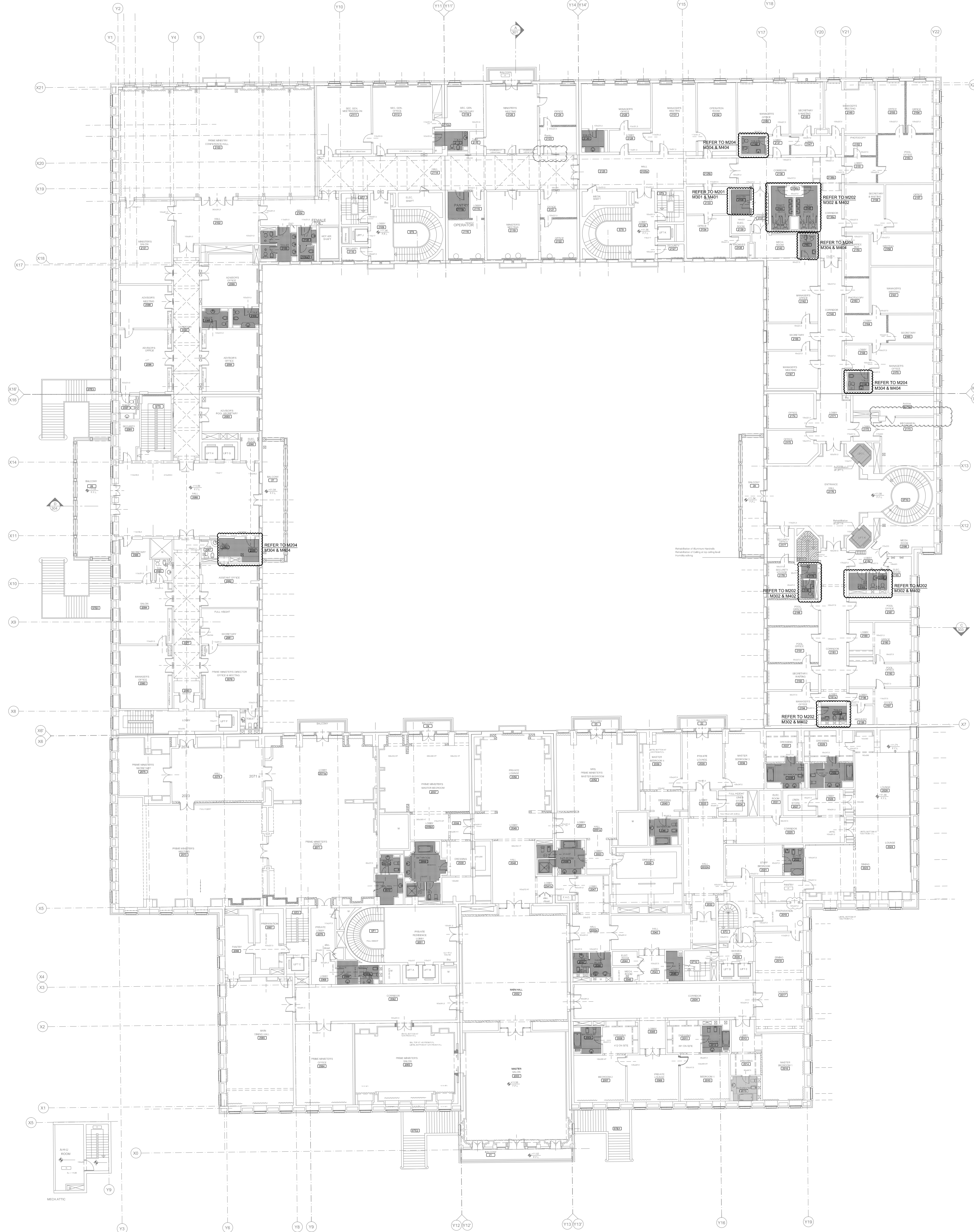
CODE No:
L1202

NOTES:



APPROVED BY :AC

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OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

A.CHEHAB architects & engineers

Beirut office: Tel: 01-800316 - 800117 Fax: 01-800315
Saida office: Tel: 07-726004 Tel.Fax: 07-725118
Email: info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

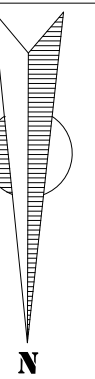
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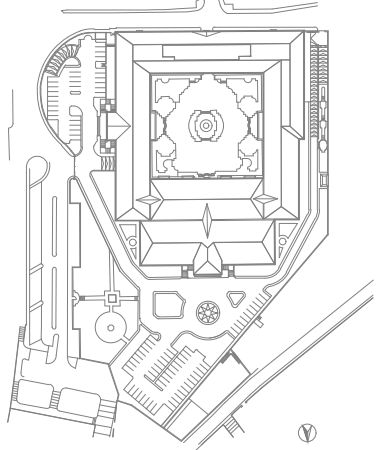
PROJECT LOCATION: Beirut - Lebanon

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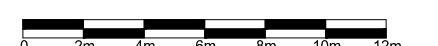
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KEY PLAN:



SCALE BAR



DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: .BS

APPROVED BY: .AC

SHEET TITLE

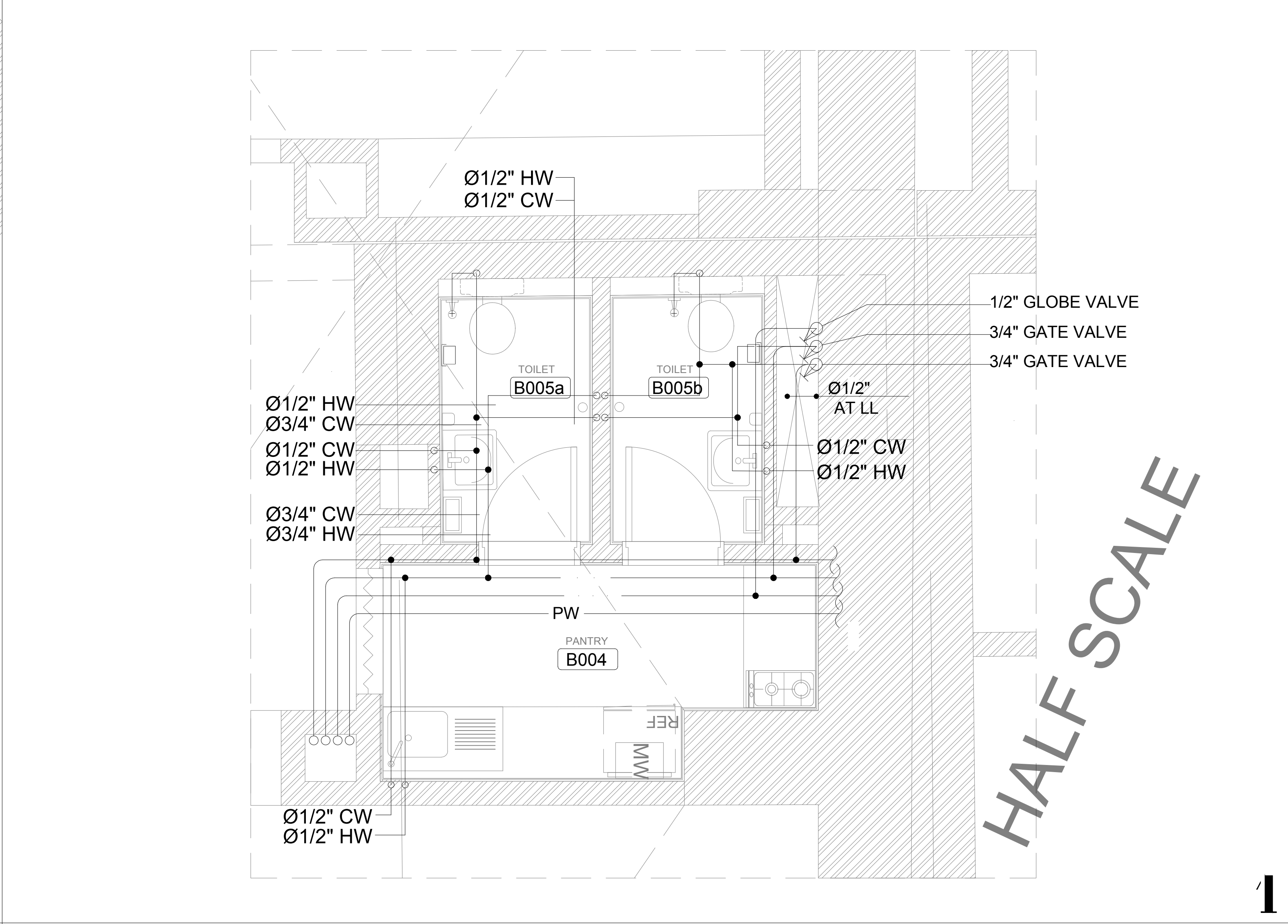
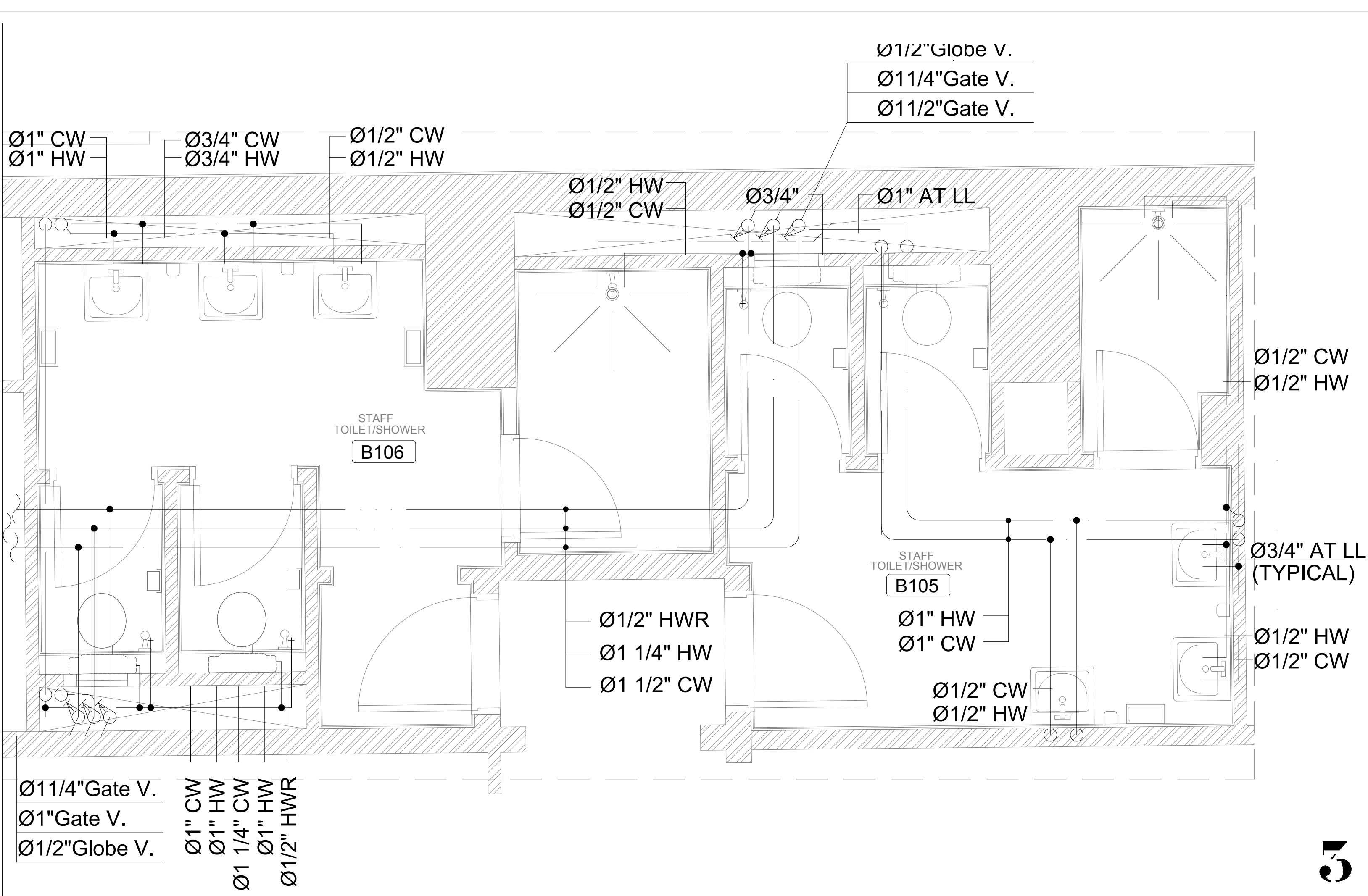
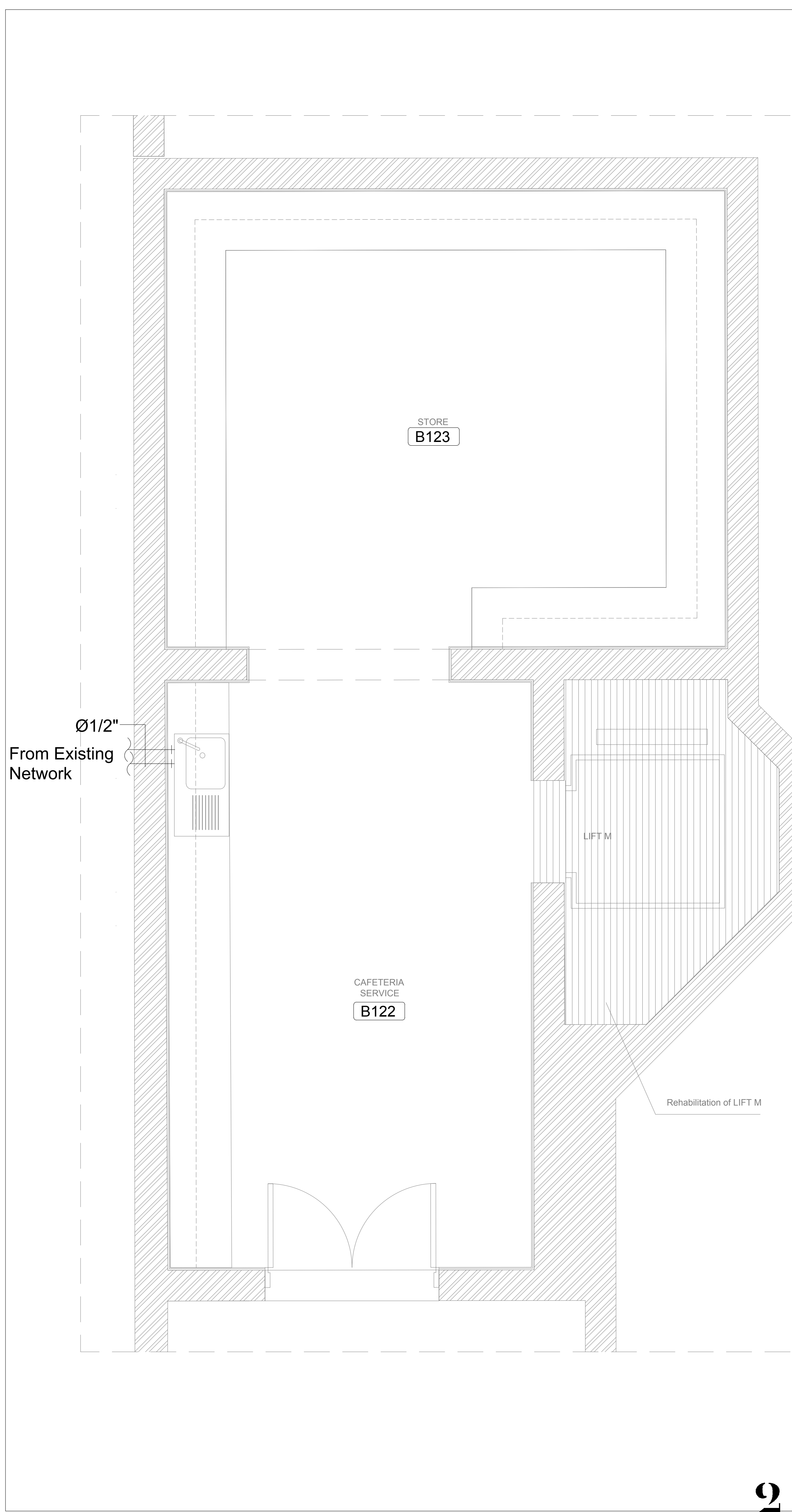
Second Floor Key Plan

SHEET NO.

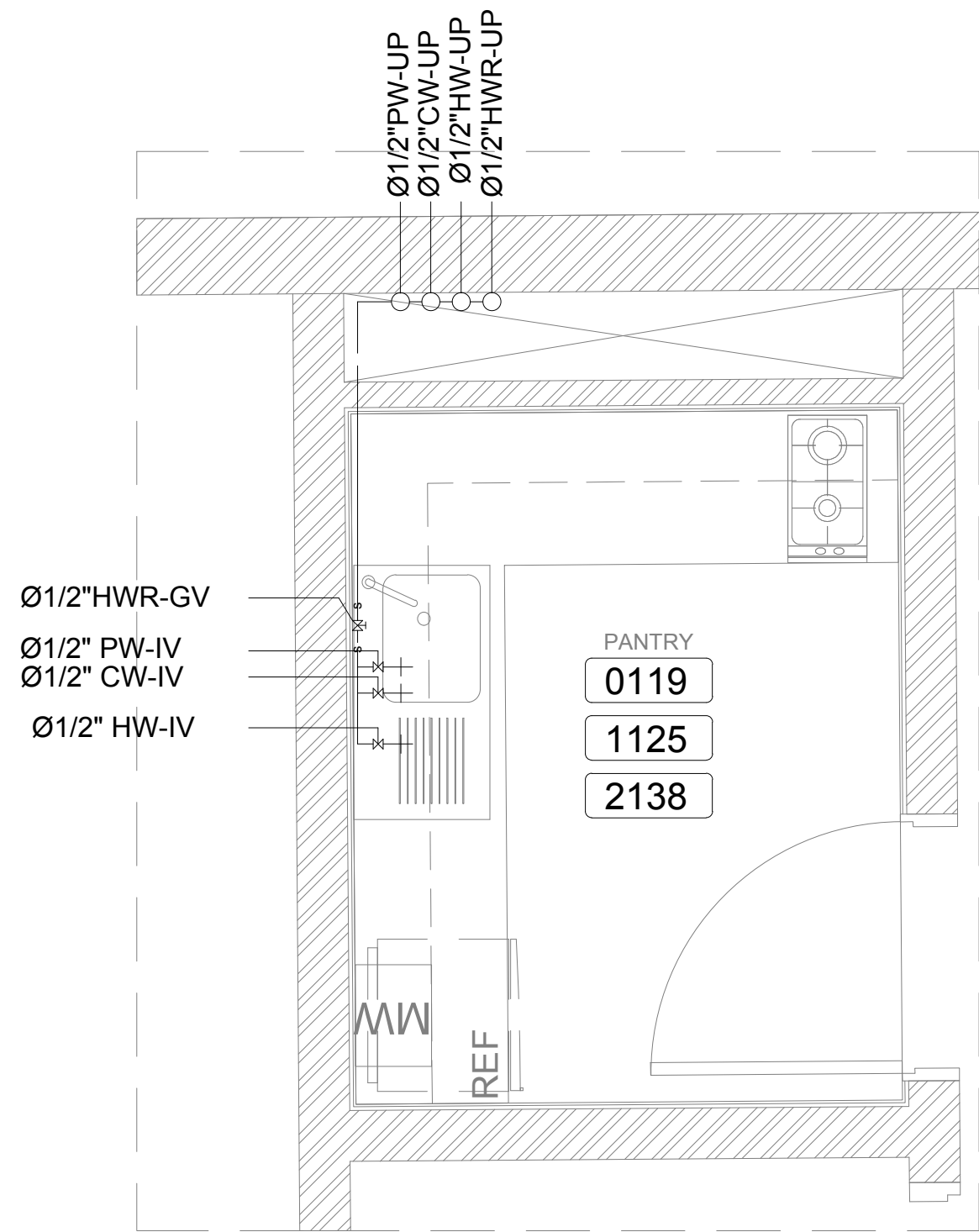
L1202-CD-M-103-A1

Revision NO.

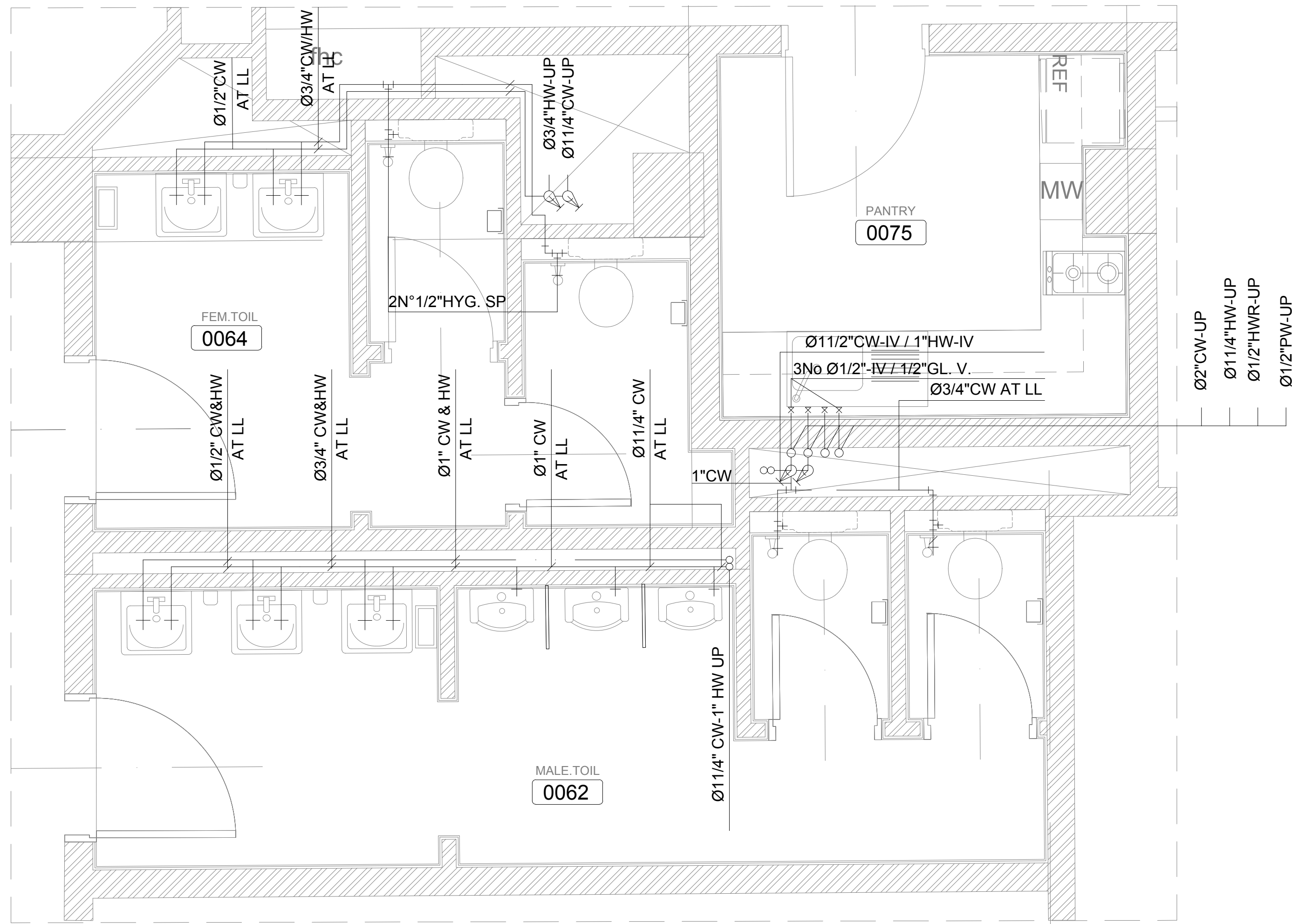
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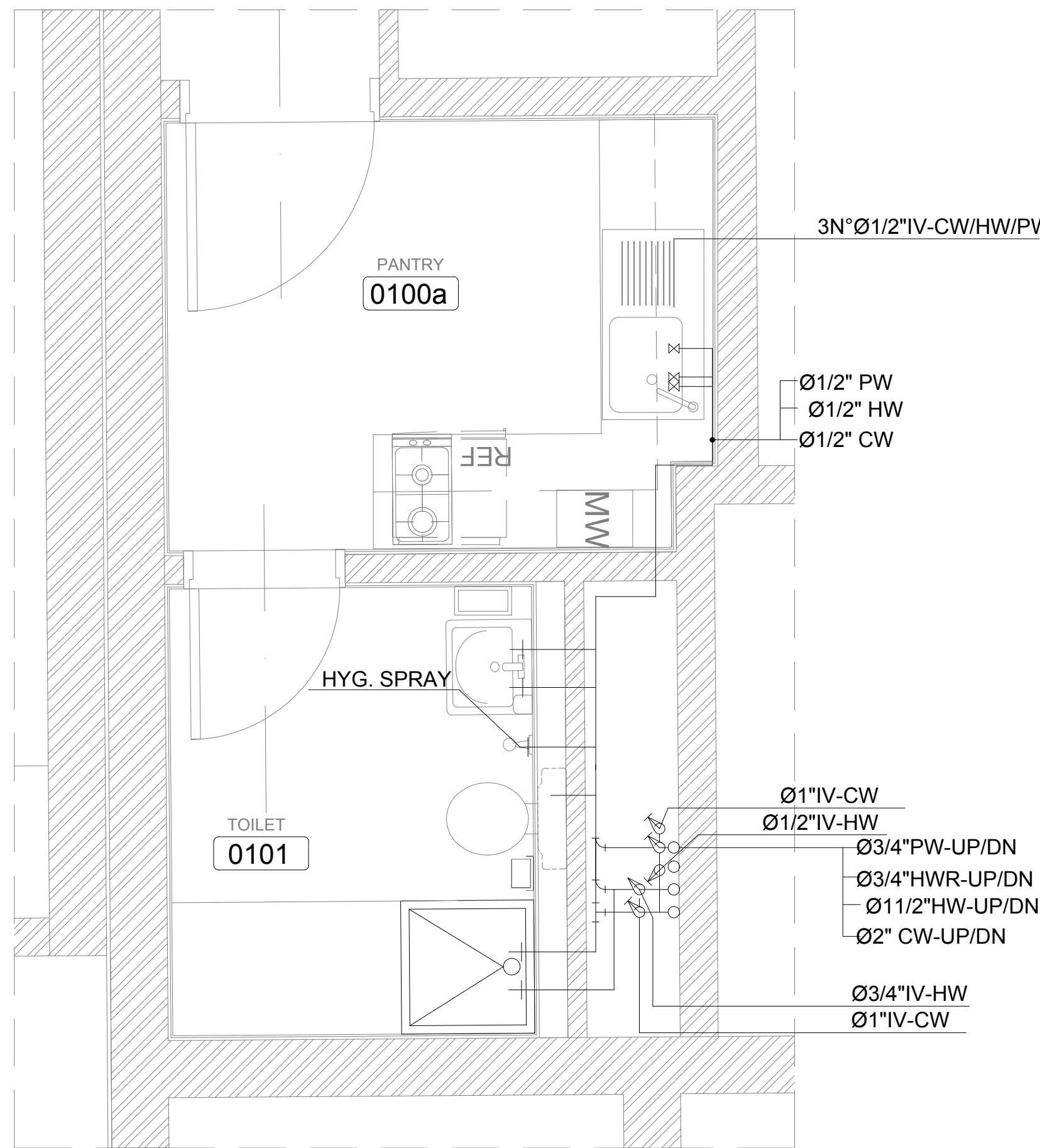
OWNER NAME:	
CLIENT:	
CONSULTANT OFFICE : A.CHEHAB architects & engineers Beirut office: Tel: 01-800316 - 800117 Fax: 01-800315 Saida office: Tel: 07-726004 Tel.Fax: 07-725118 Email: info@LDRS-CD.com	
PROJECT NAME: REHABILITATION OF GRAND SERAIL	CODE No: L1202
PROJECT LOCATION: Beirut - Lebanon	
NOTES:	
NORTH: 	
KEY PLAN: 	
SCALE 1/25	
DATE: May 2022	
DRAWN BY: BM - MD	
DESIGNED BY: BM - MD	
CHECKED BY: BS	
APPROVED BY: AC	
SHEET TITLE Wet Areas Water Supply Layout (1/5)	
SHEET NO. L1202-CD-M-200-A1	Revision NO. 00



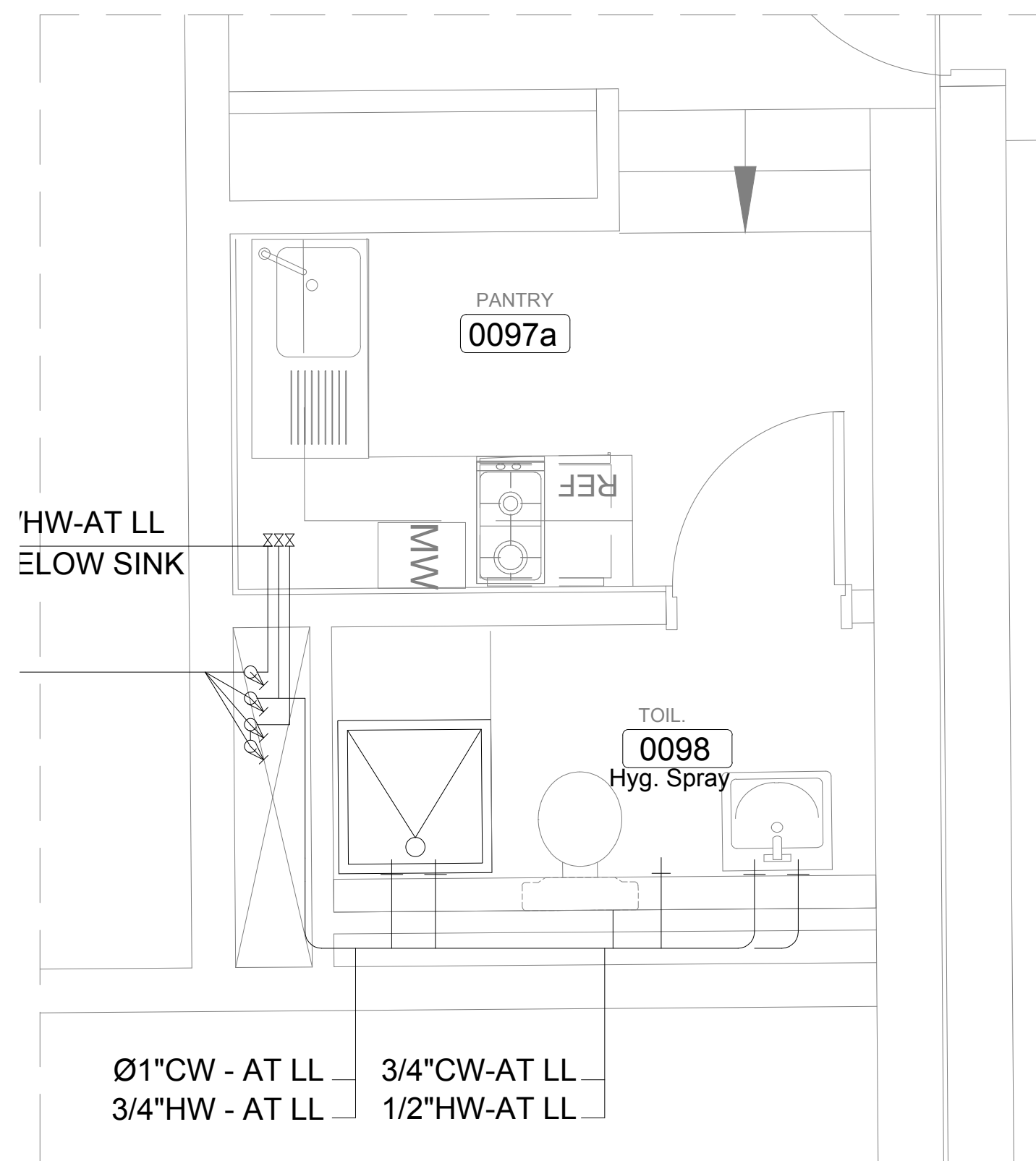
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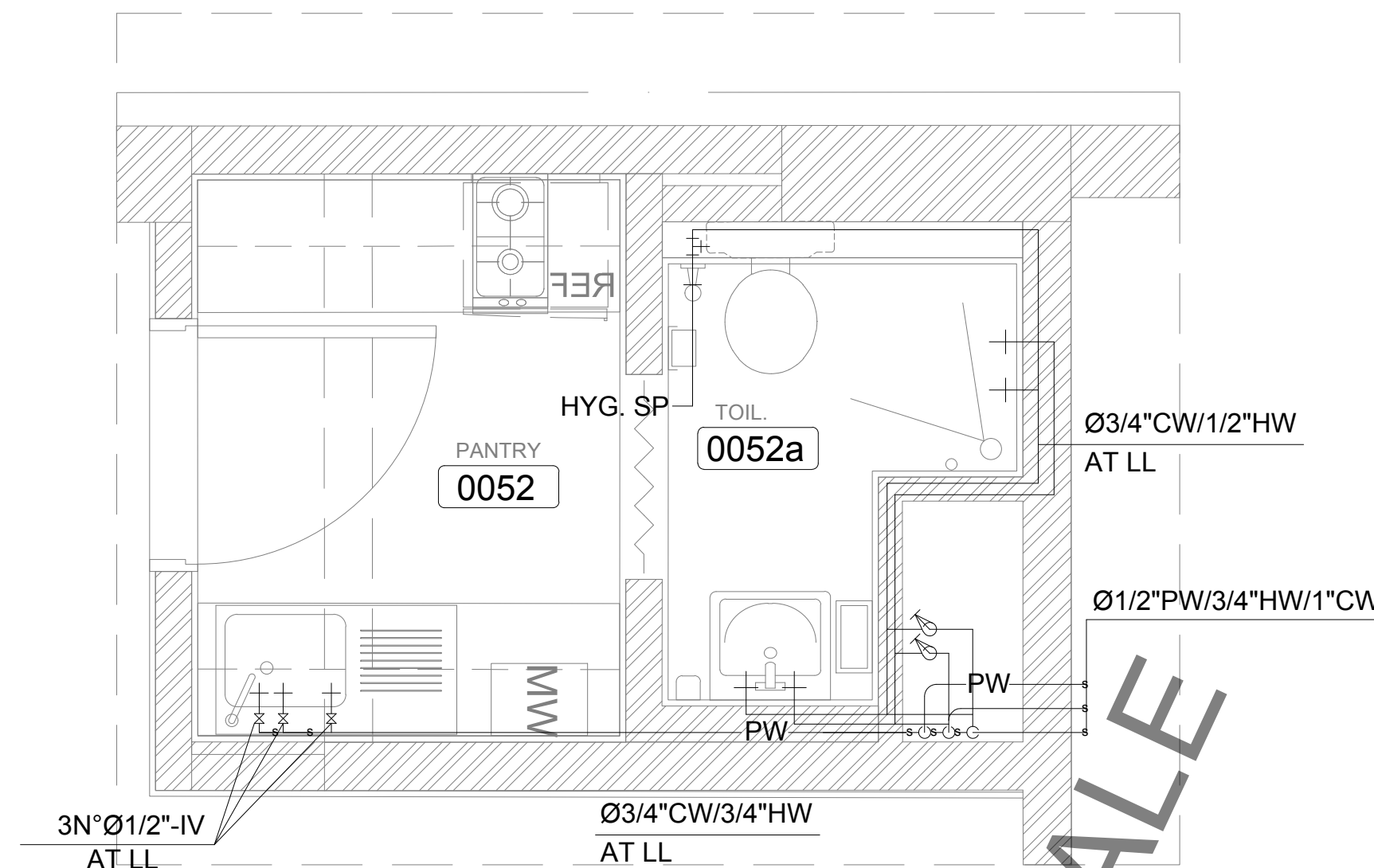
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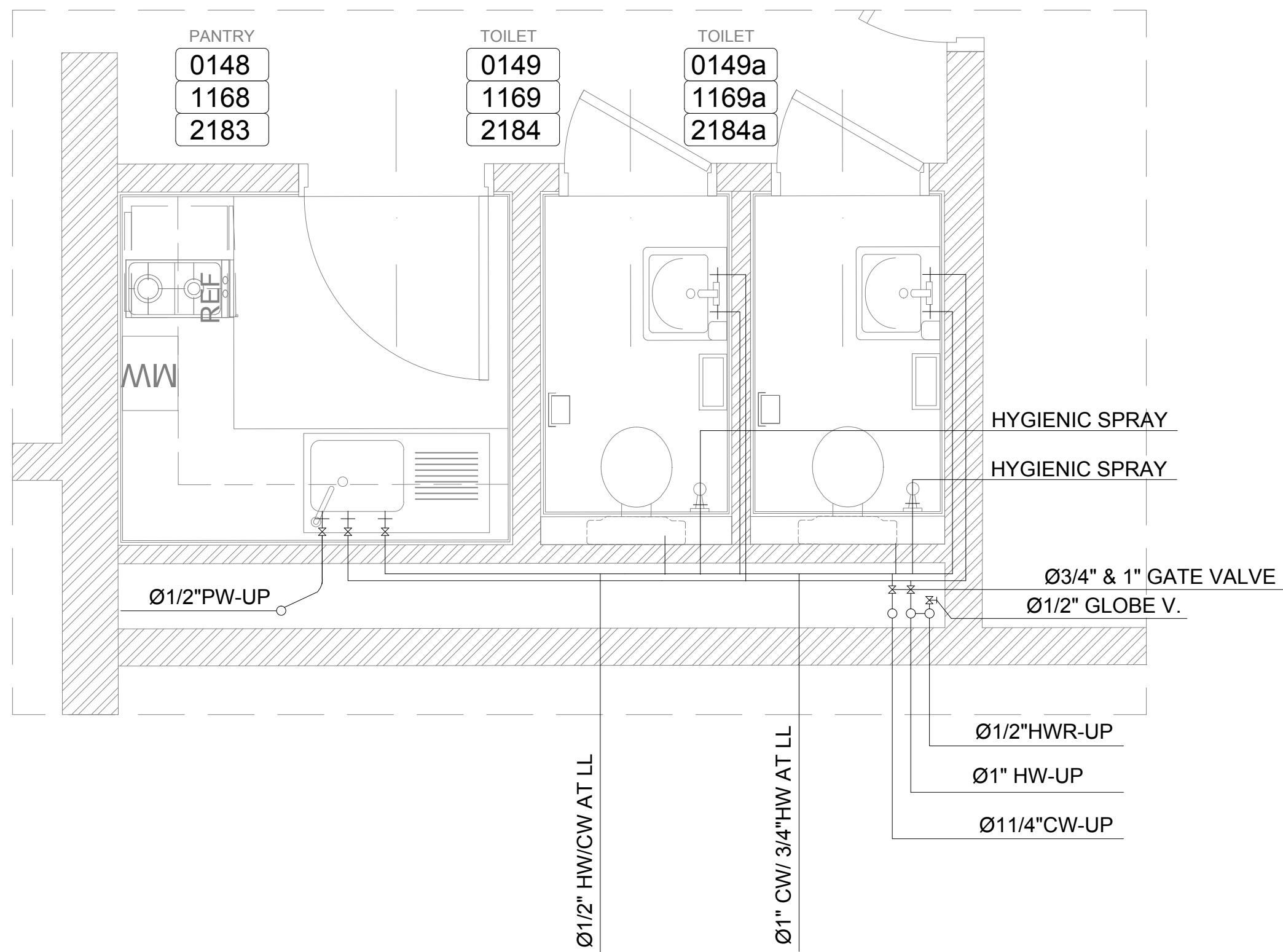
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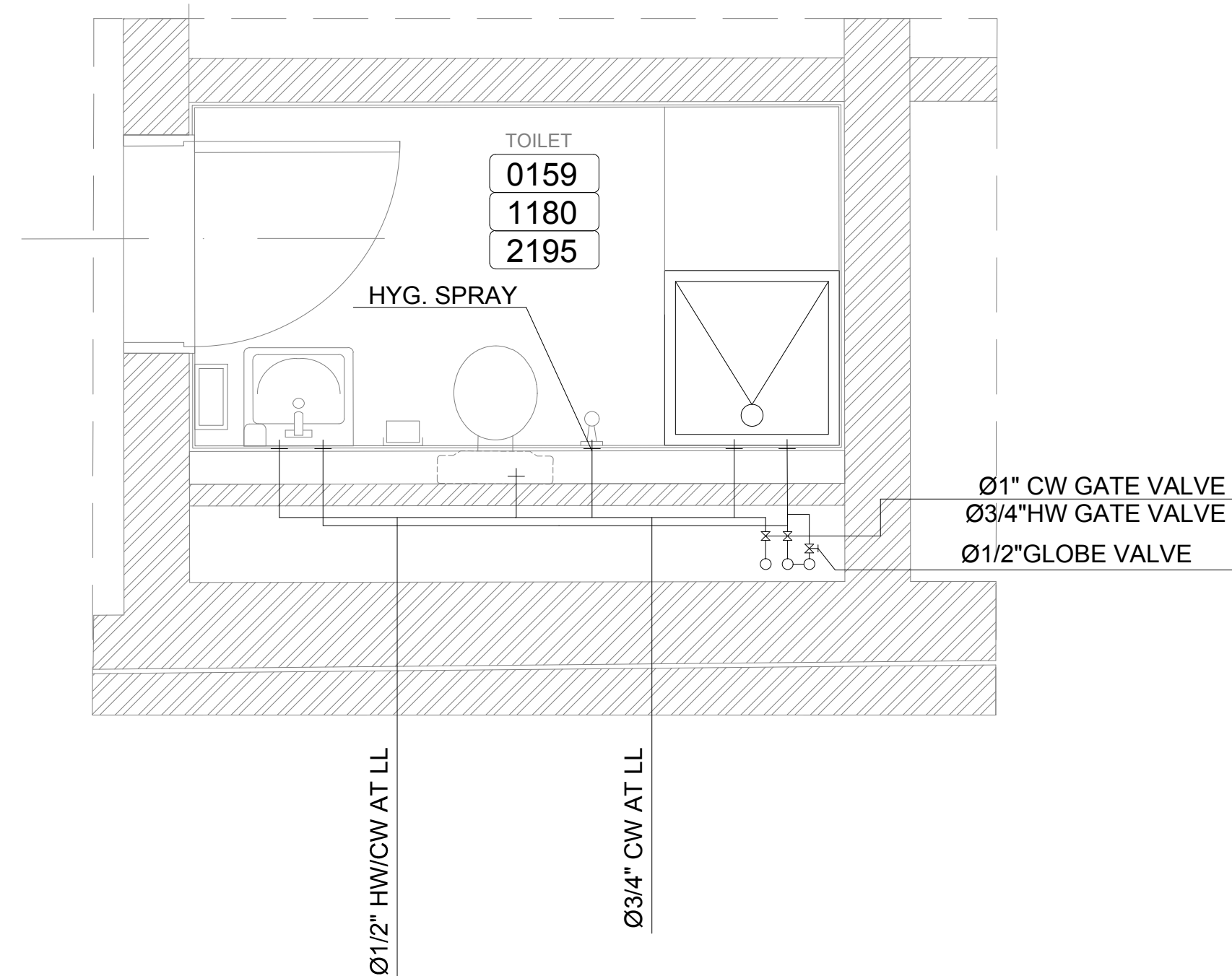
HALF SCALE

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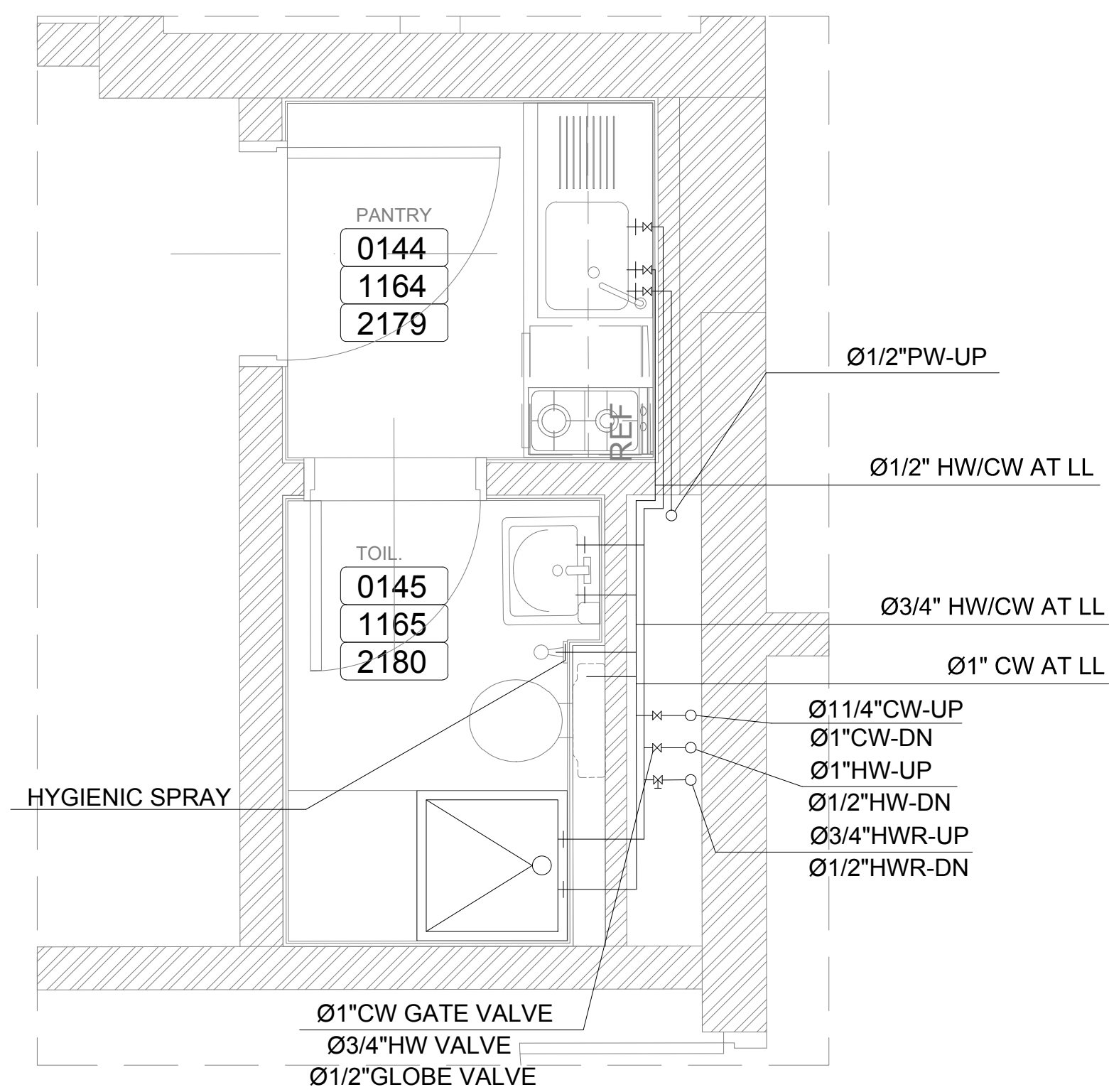
OWNER NAME:		
CLIENT:		
CONSULTANT OFFICE : A.CHEHAB architects & engineers Beirut office: Tel.: 01-680316 - 803017 Fax: 01-680315 Saida office: Tel.: 07-726004 Tel.Fax: 07-725118 Email: info@LDRS-CD.com		
PROJECT NAME: REHABILITATION OF GRAND SERAIL		CODE No: L1202
PROJECT LOCATION: Beirut - Lebanon		
NOTES:		
<p>NORTH:</p>		
<p>KEY PLAN:</p>		
<p>SCALE 1/25</p> <p>DATE: May 2022 DRAWN BY: BM - MD DESIGNED BY: BM - MD CHECKED BY: BS APPROVED BY: AC</p> <p>SHEET TITLE Wet Areas Water Supply Layout (2/5)</p>		
SHEET NO. L1202-CD-M-201-A1	Revision NO. 00	



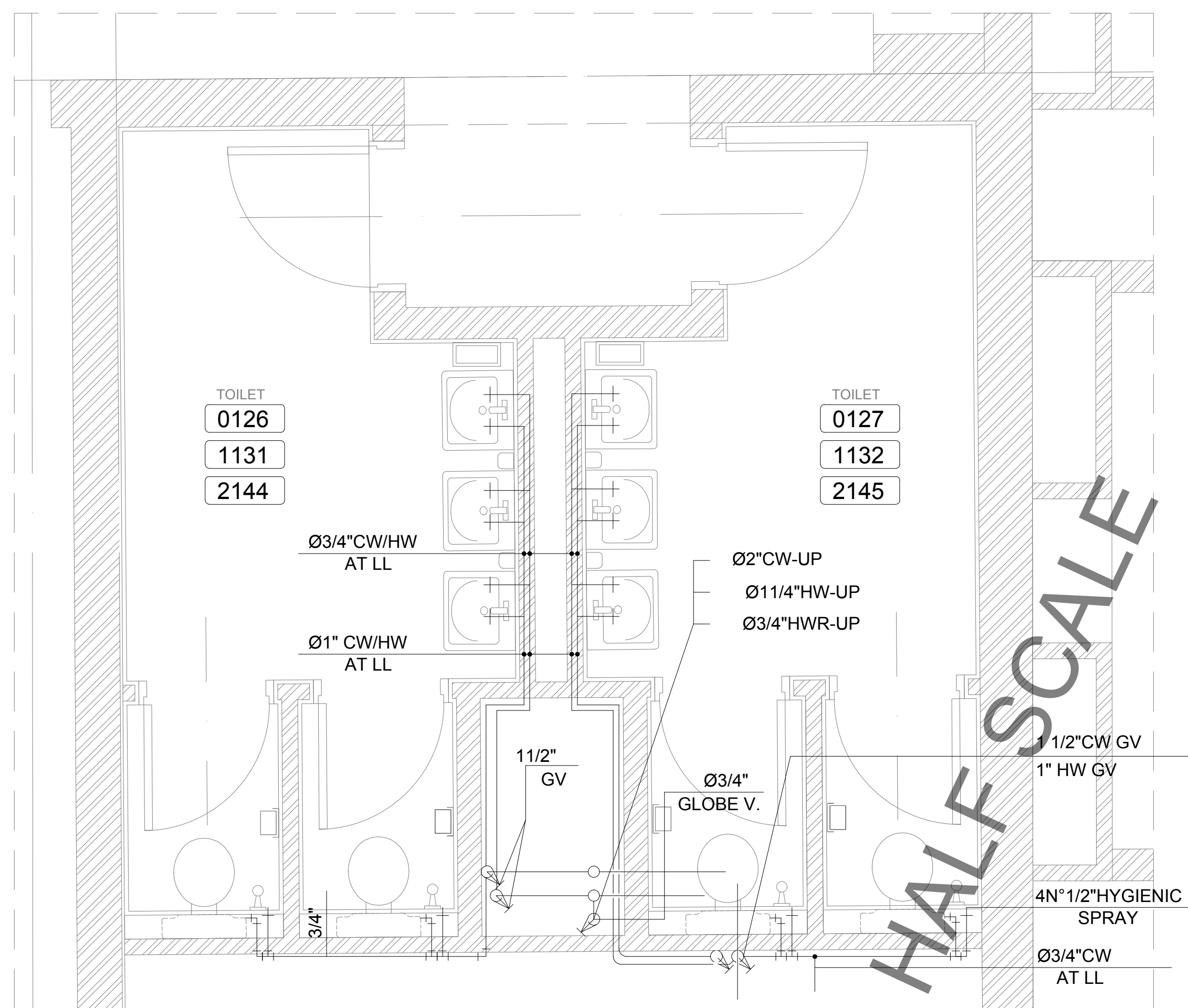
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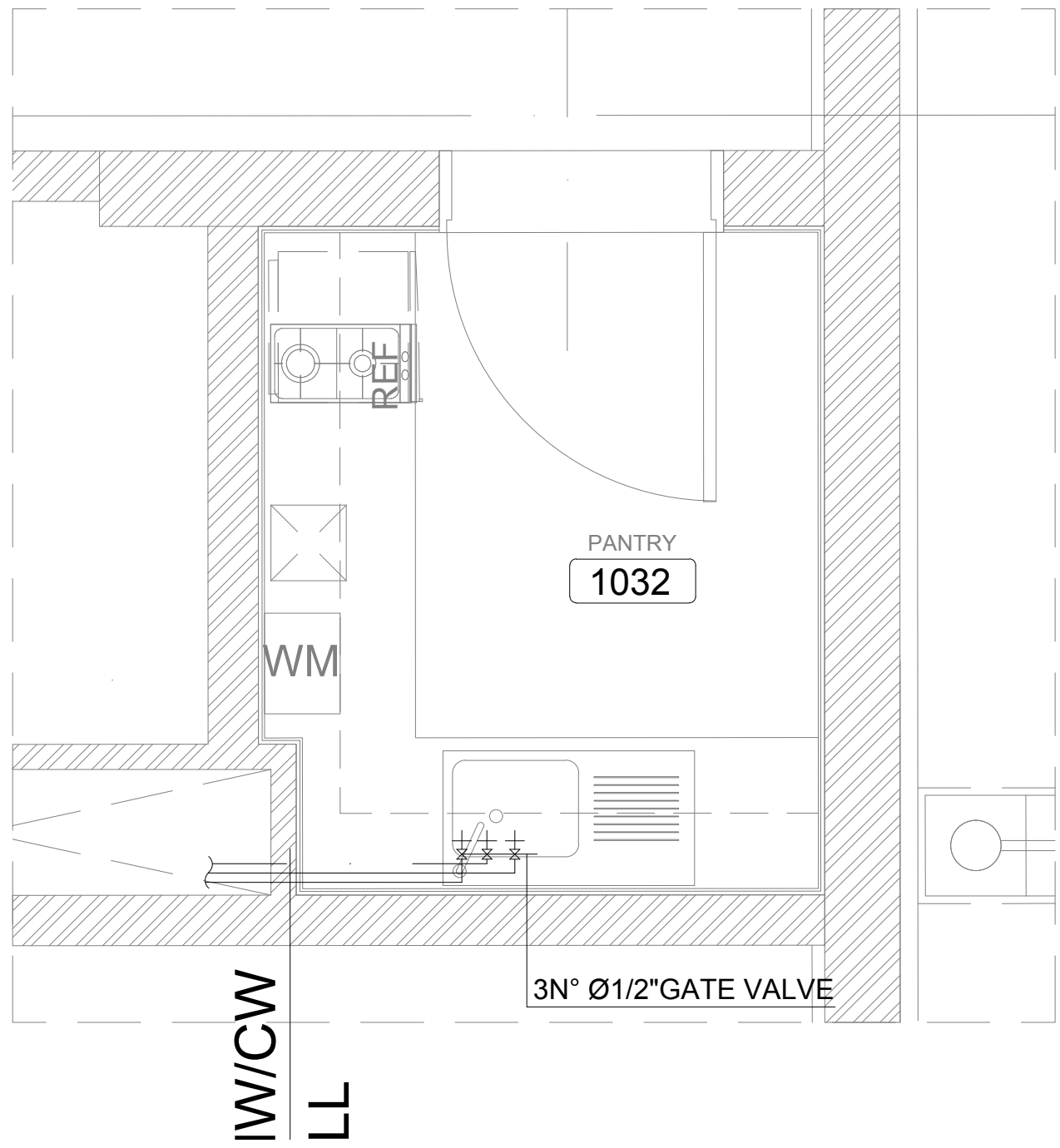


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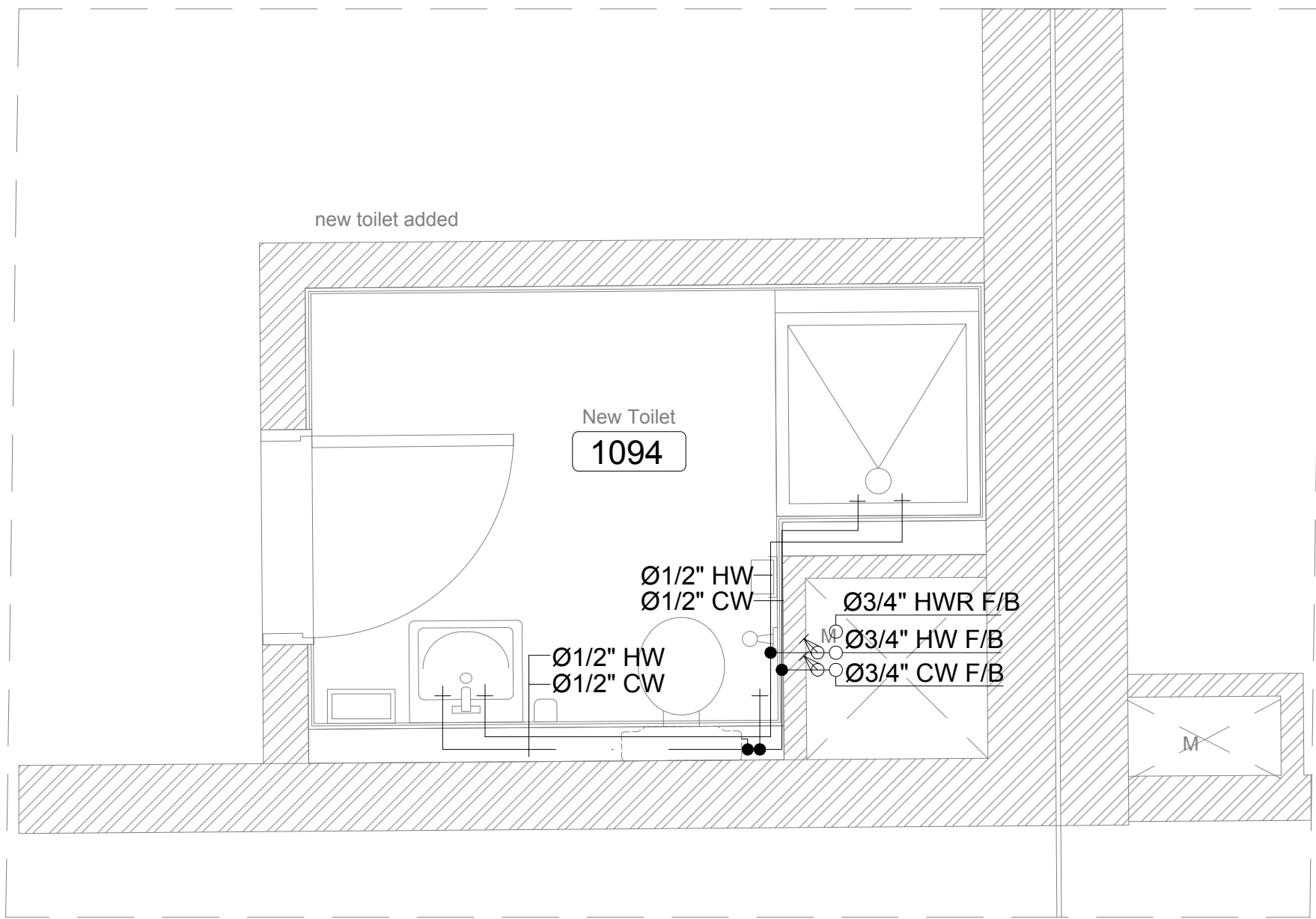


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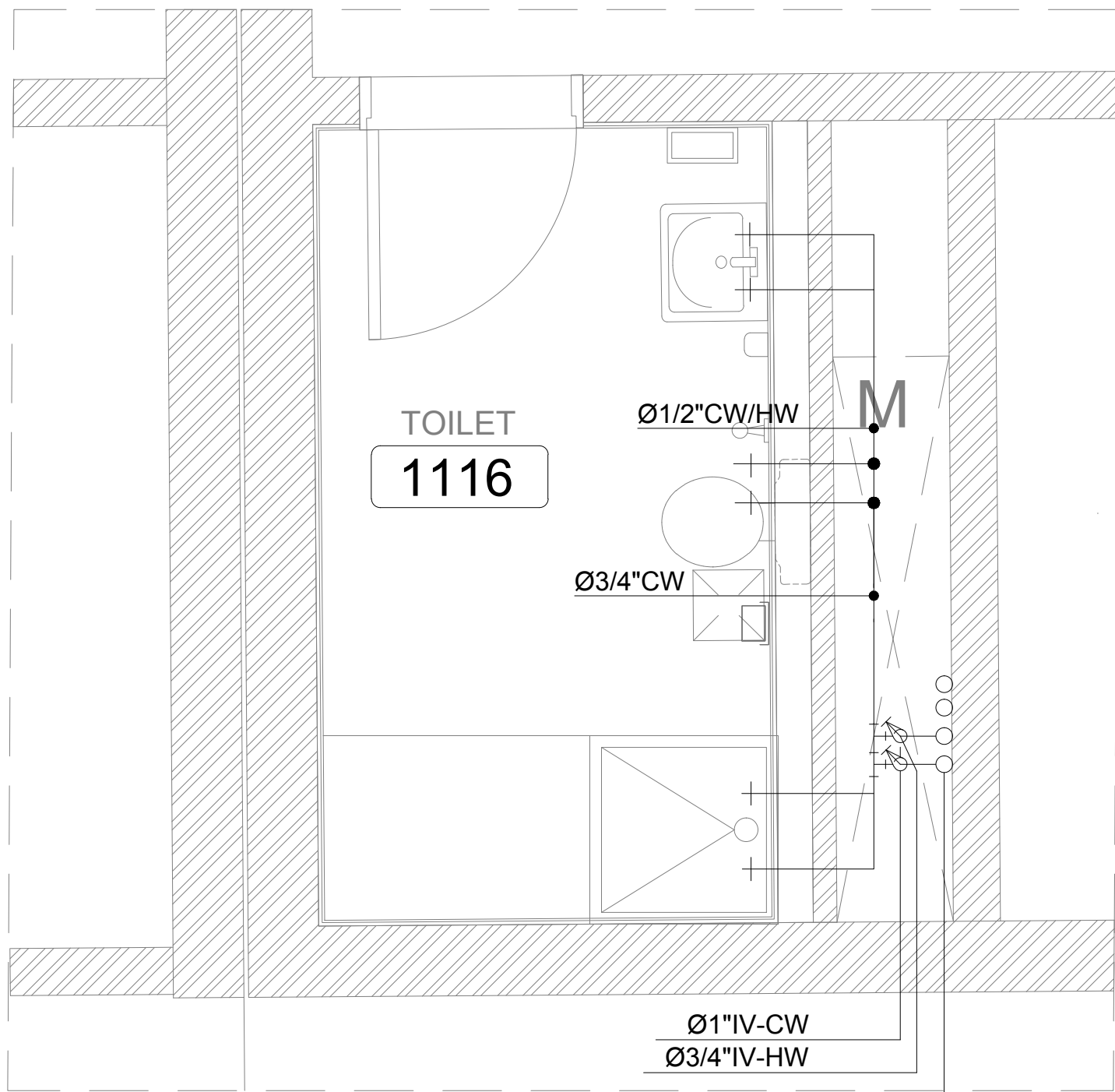
OWNER NAME:	
CLIENT:	
CONSULTANT OFFICE : A.CHEHAB architects & engineers Beirut office: Tel: 01-800316 - 800117 Fax: 01-800315 Saida office: Tel: 07-726004 Tel.Fax: 07-725118 Email: info@LDRS-CD.com	
PROJECT NAME: REHABILITATION OF GRAND SERAIL	CODE No: L1202
PROJECT LOCATION: Beirut - Lebanon	
NOTES:	
NORTH:	
KEY PLAN:	
SCALE 1/25	
DATE: May 2022	
DRAWN BY: BM - MD	
DESIGNED BY: BM - MD	
CHECKED BY: BS	
APPROVED BY: AC	
SHEET TITLE Wet Areas Water Supply Layout (3/5)	
SHEET NO. L1202-CD-M-202-A1	Revision NO. 00



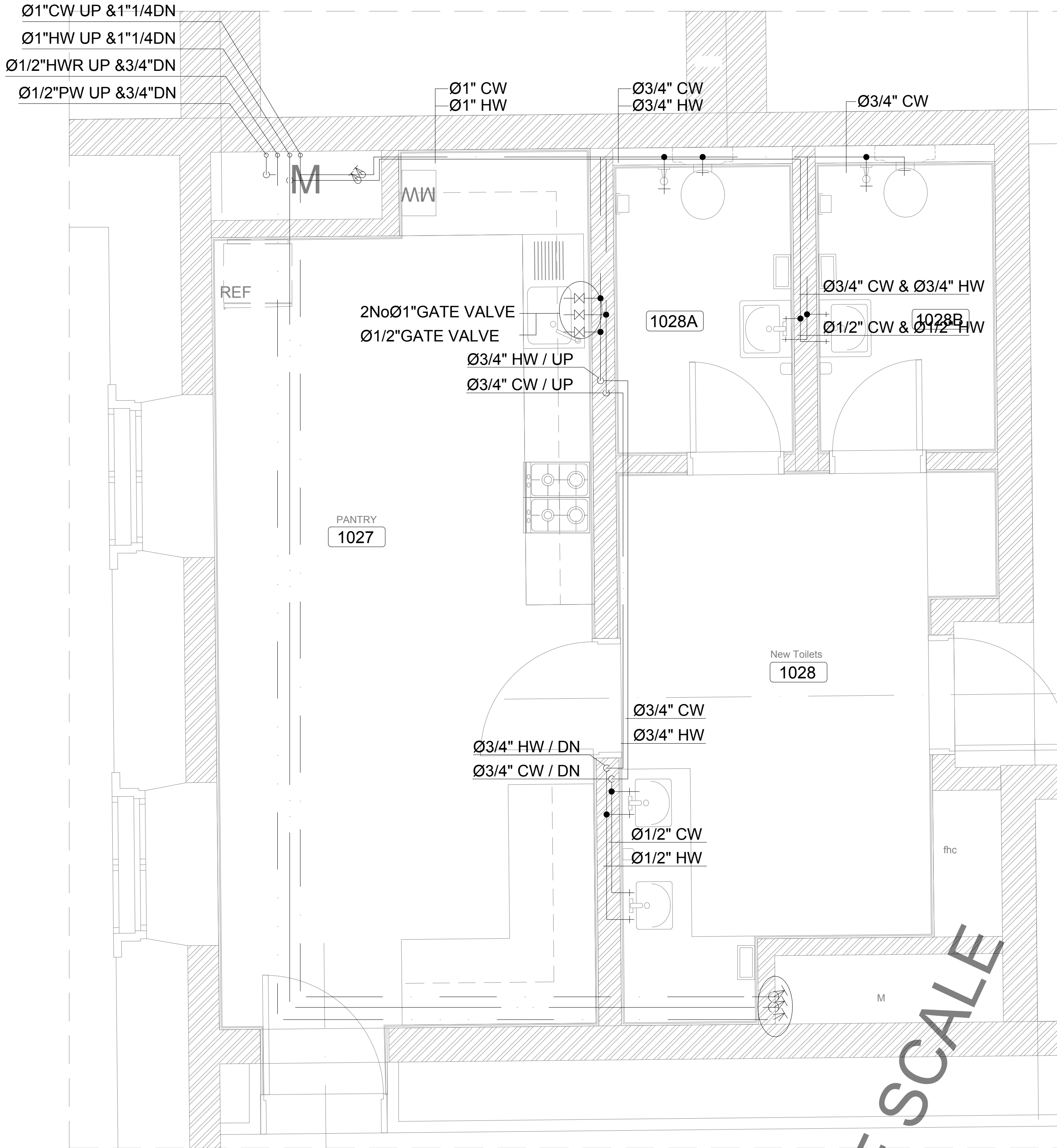
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5



2



OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

A.CHEHAB architects & engineers
Beirut office: Tel: 01-800316 - 800117 Fax: 01-800315
Saida office: Tel: 07-726004 Tel/Fax: 07-725118
Email: info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

CODE No:

L1202

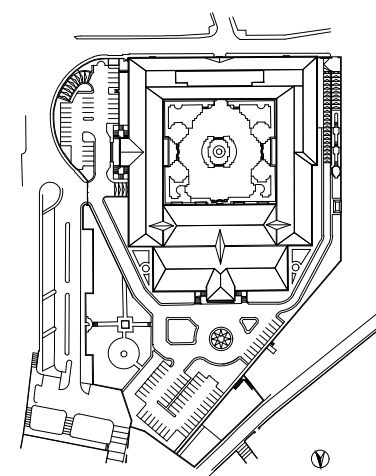
PROJECT LOCATION: Beirut - Lebanon

NOTES:

NORTH:



KEY PLAN:



SCALE

1/25

DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: BS

APPROVED BY: AC

SHEET TITLE

Wet Areas
Water Supply Layout (4/5)

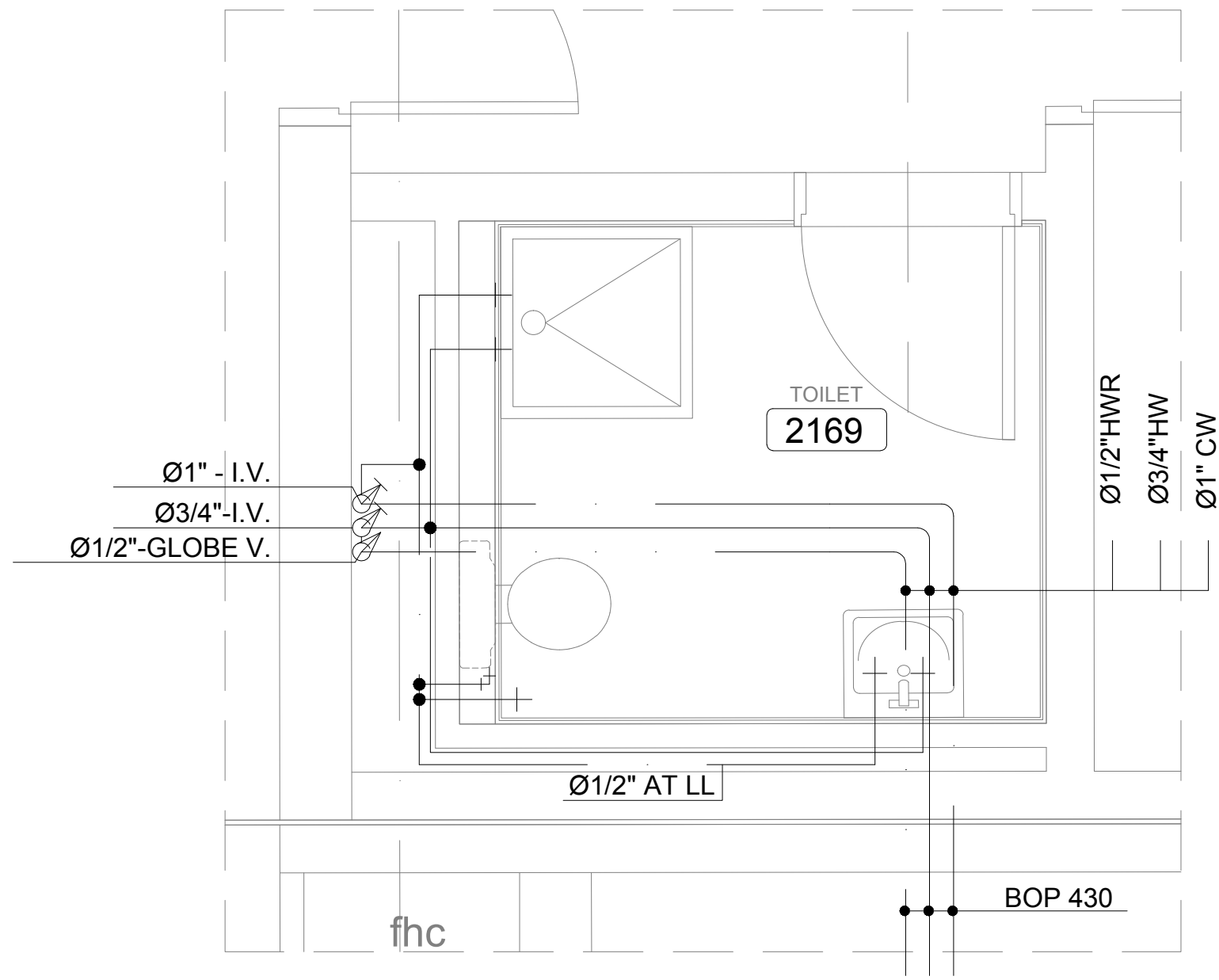
SHEET NO.

L1202-CD-M-203-A1

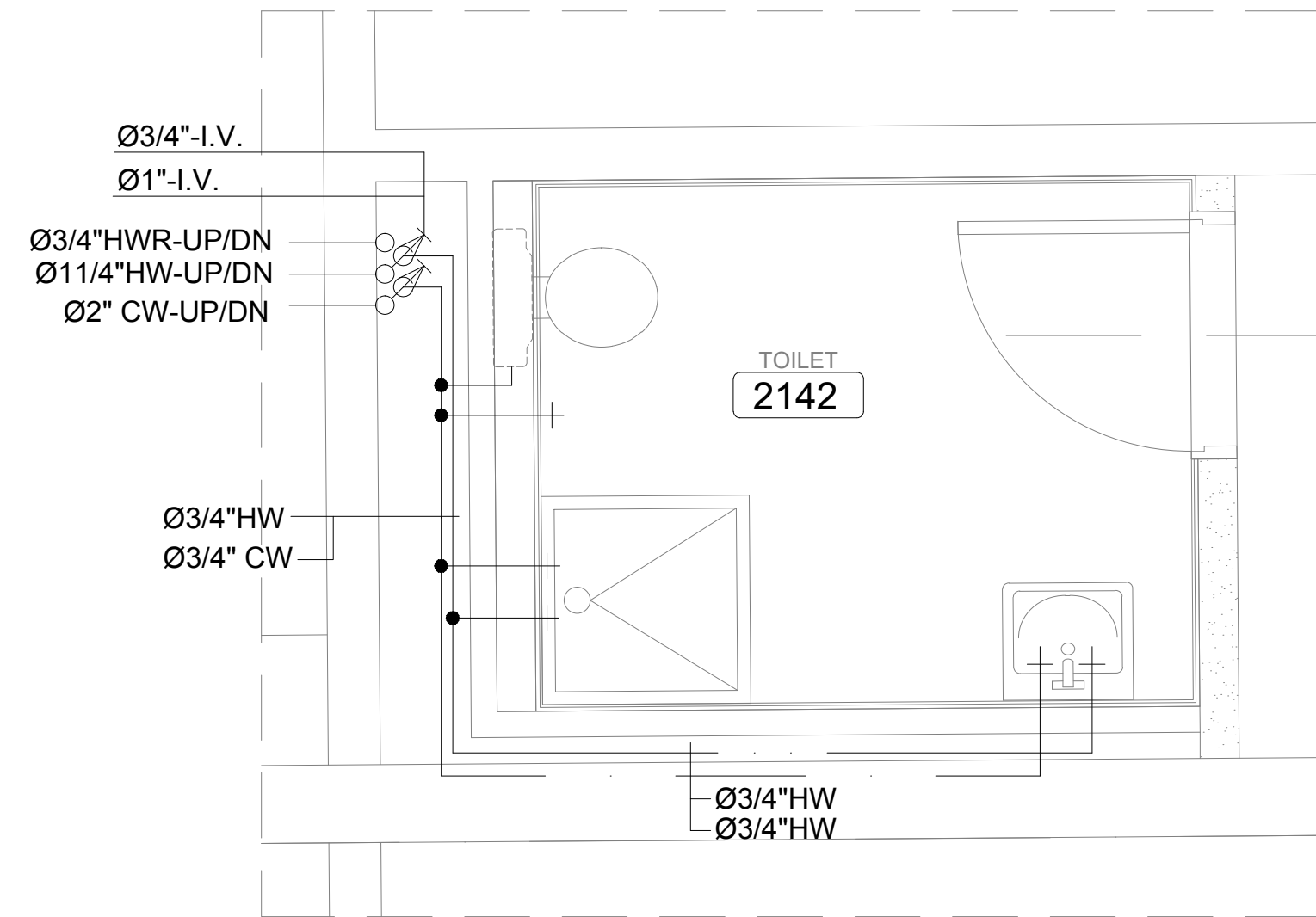
Revision NO.

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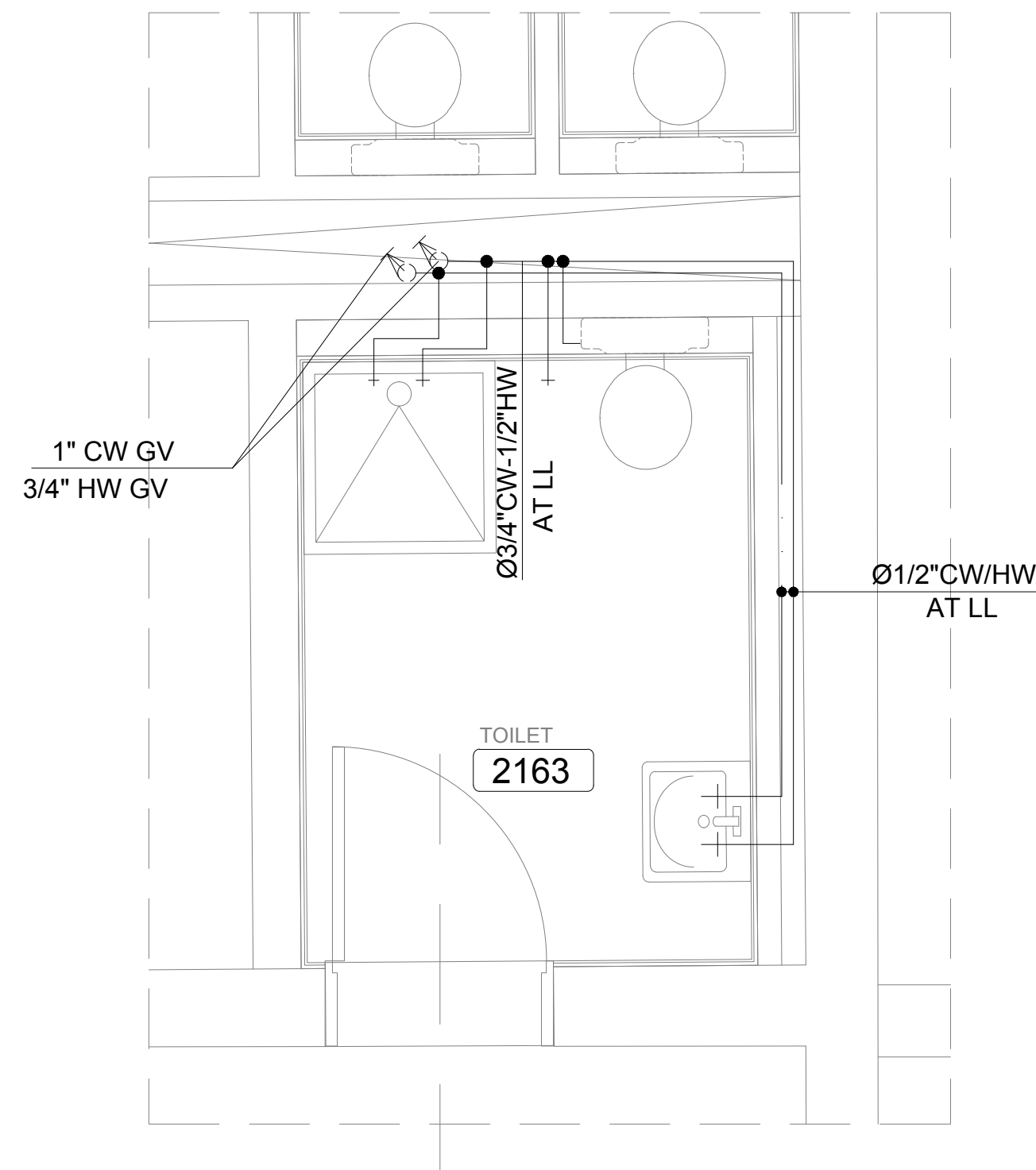
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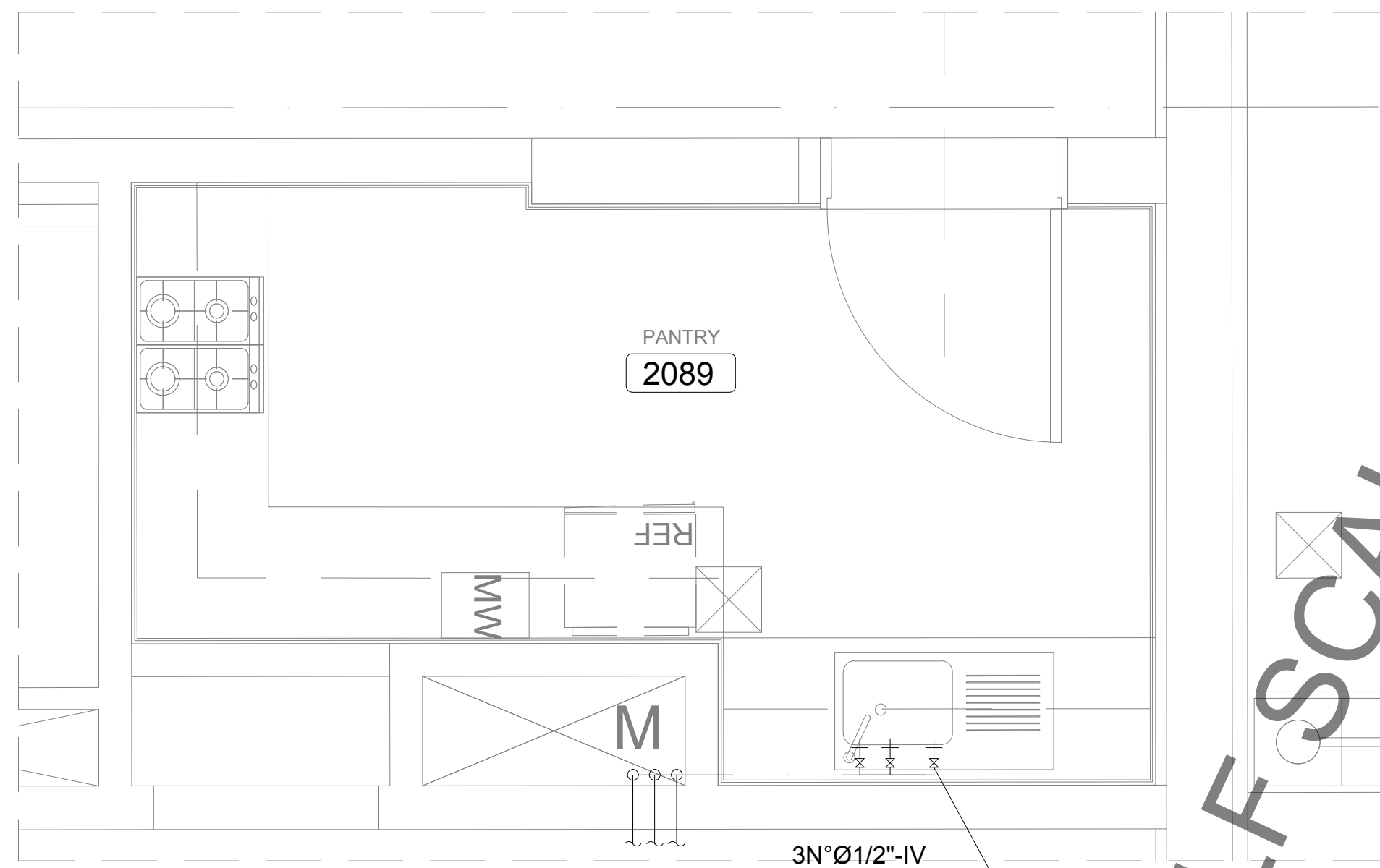
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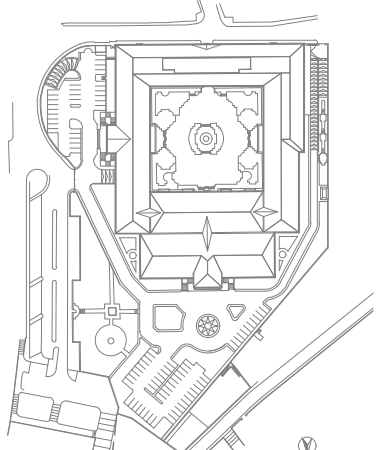


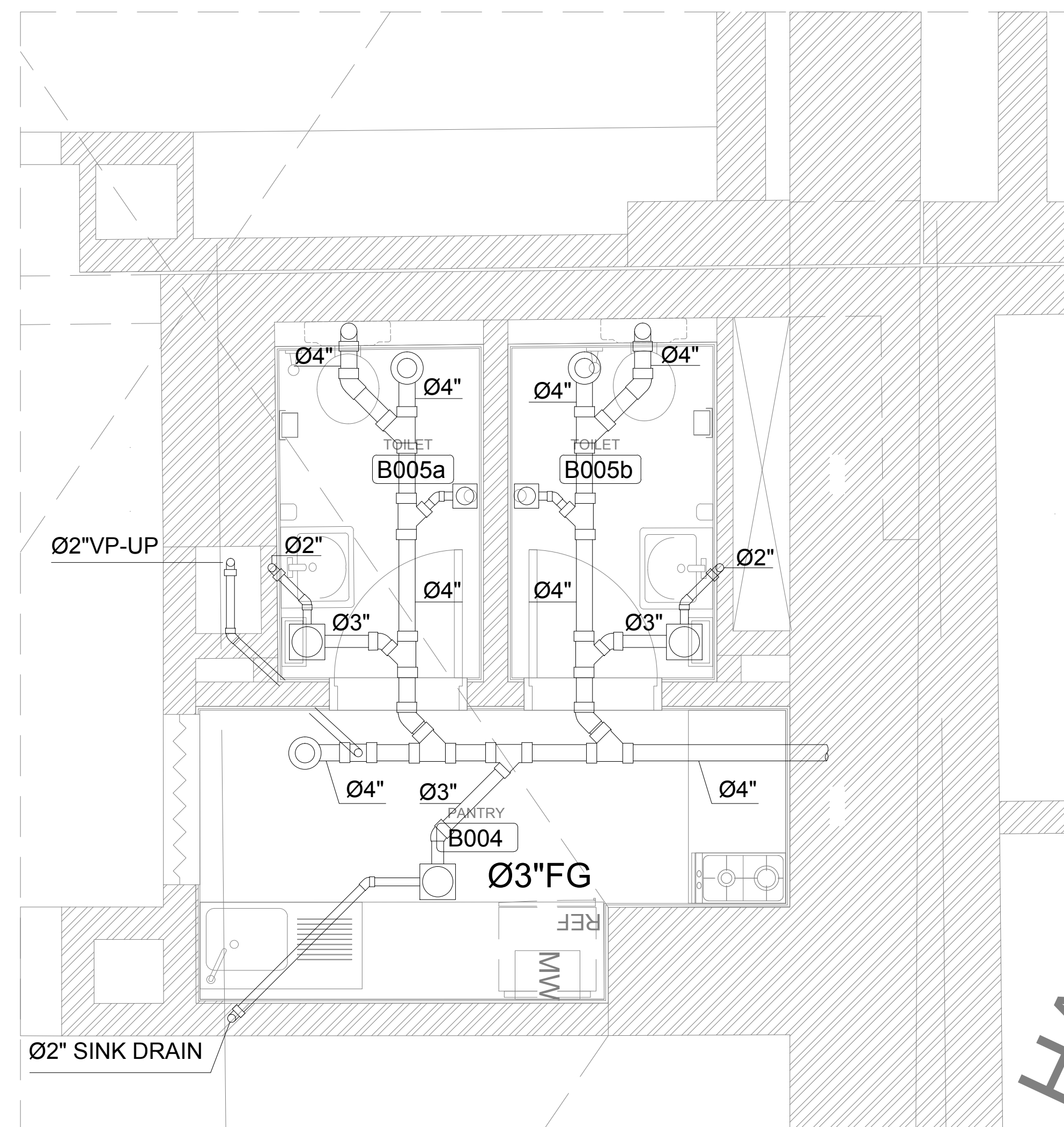
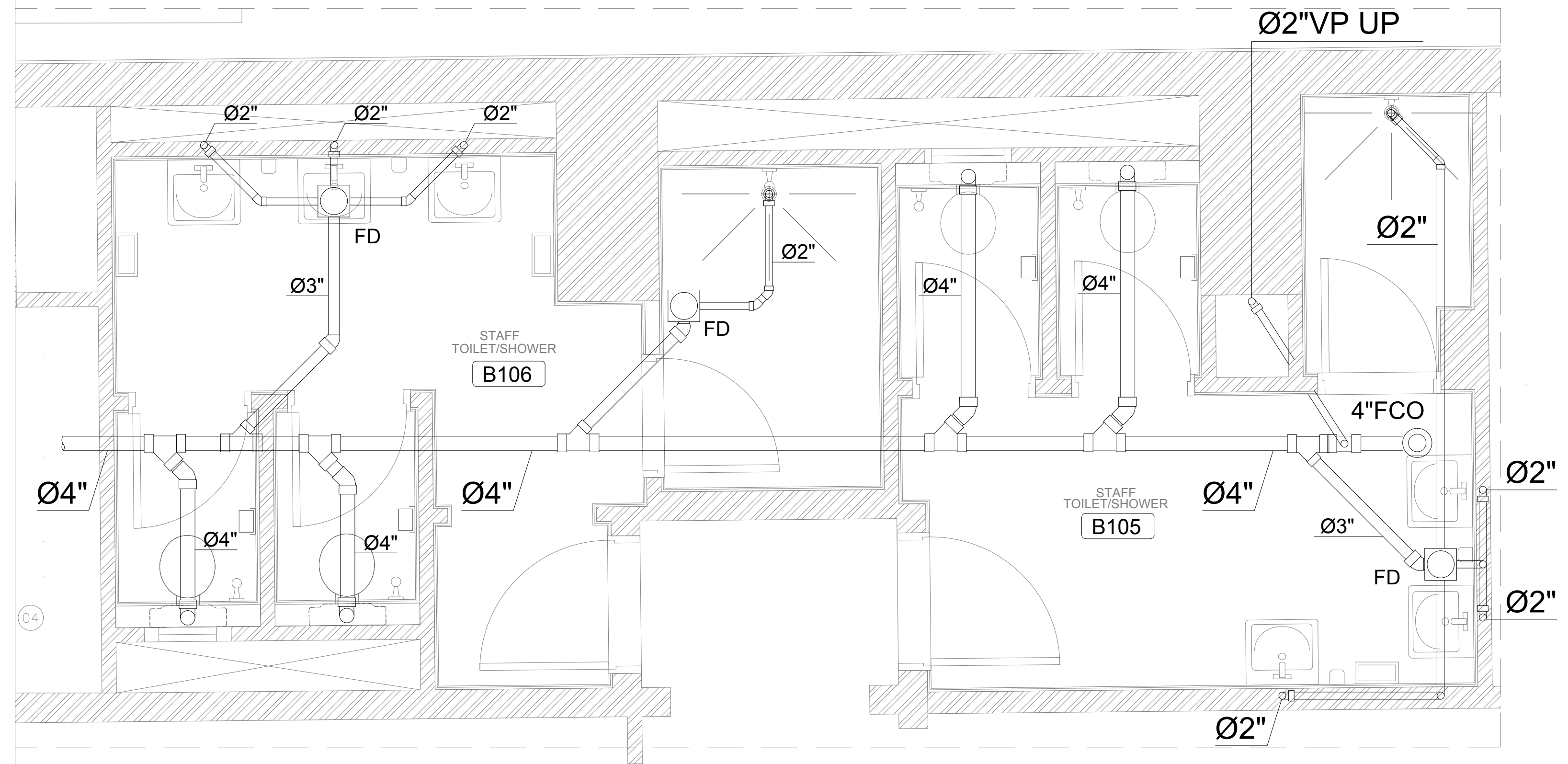
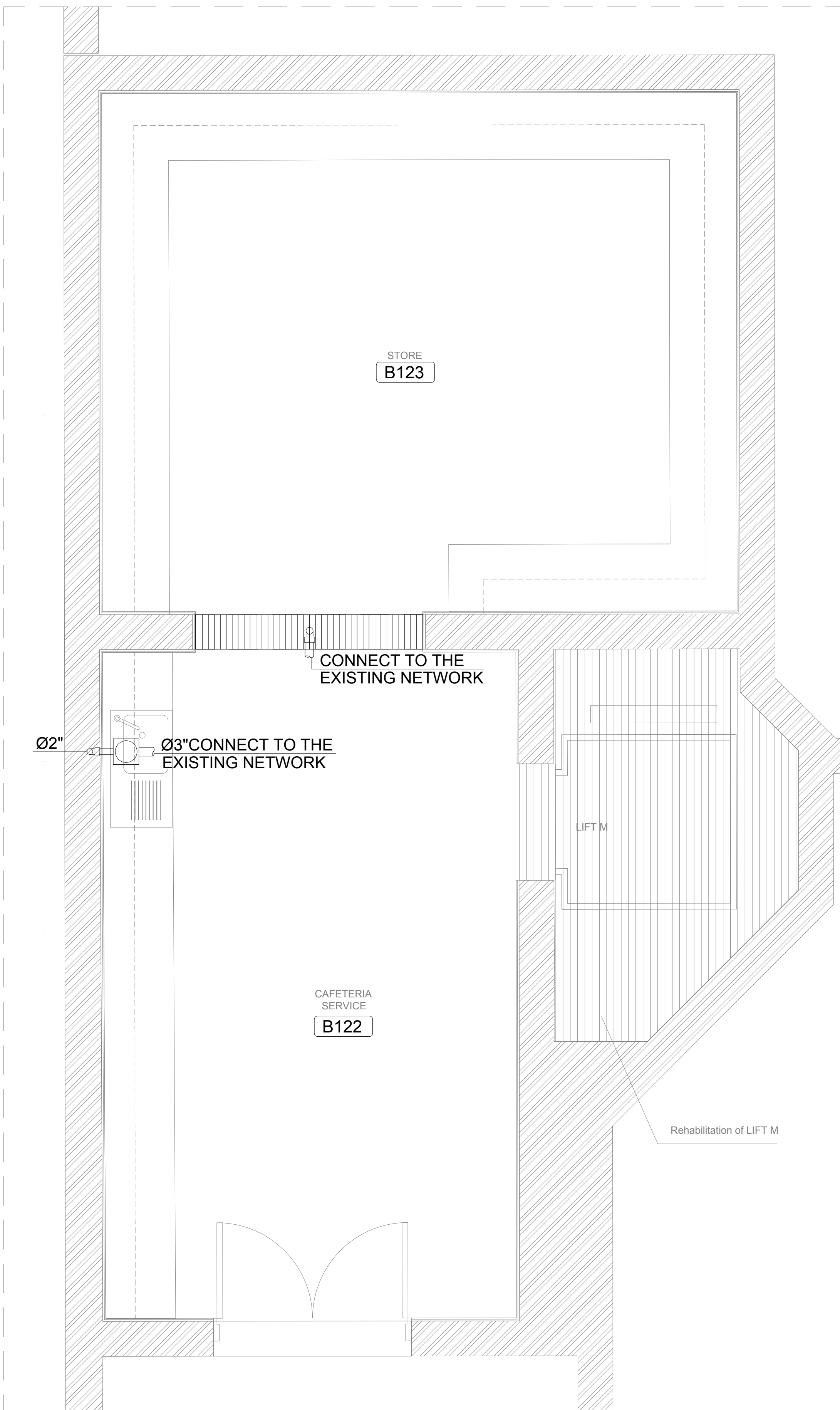
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HALF SCALE

1

OWNER NAME:	
	
CLIENT:	
	
CONSULTANT OFFICE : A.CHEHAB architects & engineers Beirut office: Tel: 01-800316 - 800117 Fax: 01-800315 Saida office: Tel: 07-726004 Tel.Fax: 07-725118 Email: info@LDRS-CD.com	
PROJECT NAME: REHABILITATION OF GRAND SERAIL	CODE No: L1202
PROJECT LOCATION: Beirut - Lebanon	
NOTES:	
NORTH:	
	
KEY PLAN:	
	
SCALE 1/25	
DATE: May 2022	
DRAWN BY: BM - MD	
DESIGNED BY: BM - MD	
CHECKED BY: BS	
APPROVED BY: AC	
SHEET TITLE Wet Areas Water Supply Layout (5/5)	
SHEET NO. L1202-CD-M-204-A1	Revision NO. 00



OWNER NAME:



CLIENT:



CONSULTANT OFFICE :
A. GUEVARA architects & engineers

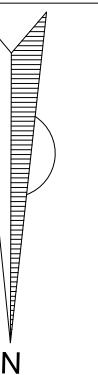
A.CHEHAB architects & engineers

 Beirut office: Tel.: 01-809316 - 809317 Fax : 01-809315
Saïda office: Tel.: 07-726004 Tel/Fax : 07-725118
Email: info@LDRS-CO.com

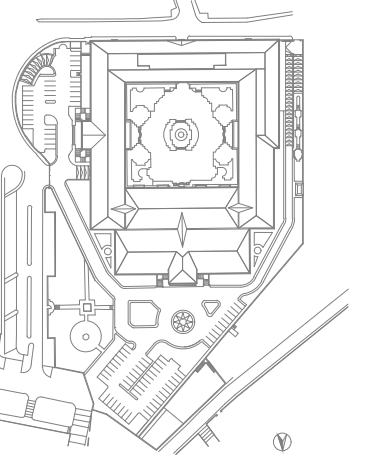
PROJECT NAME:	REHABILITATION OF GRAND SERAIL
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PROJECT LOCATION: Beirut - Lebanon

NOTES:



KEY PLAN:



SCALE

1/25

DATE: May 2022

DRAWN BY:BM - MD

DESIGNED BY:BM - MD

CHECKED BY :BS

APPROVED BY :AC

SHEET TITLE

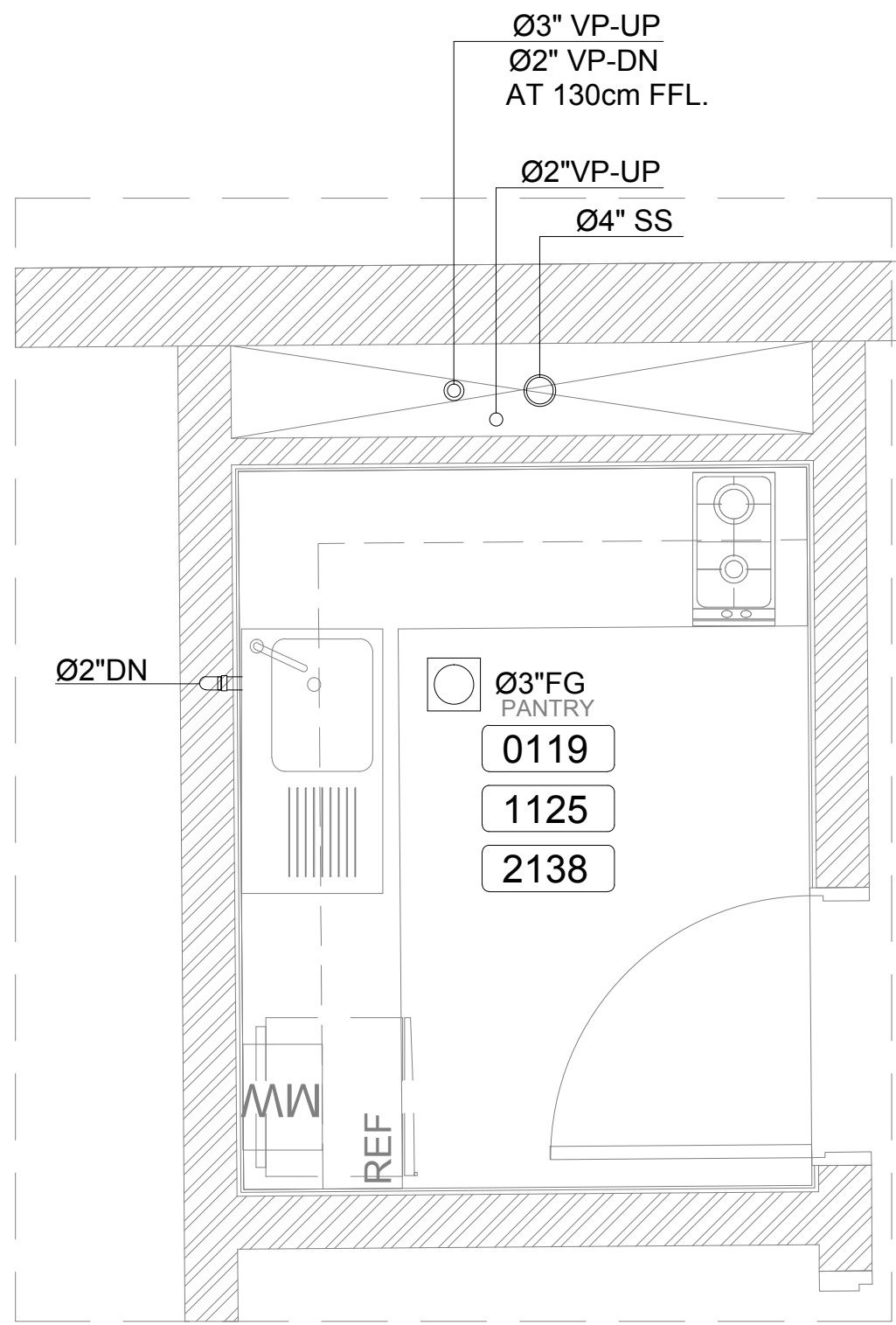
Wet Areas

Drainage Layout (1/5)

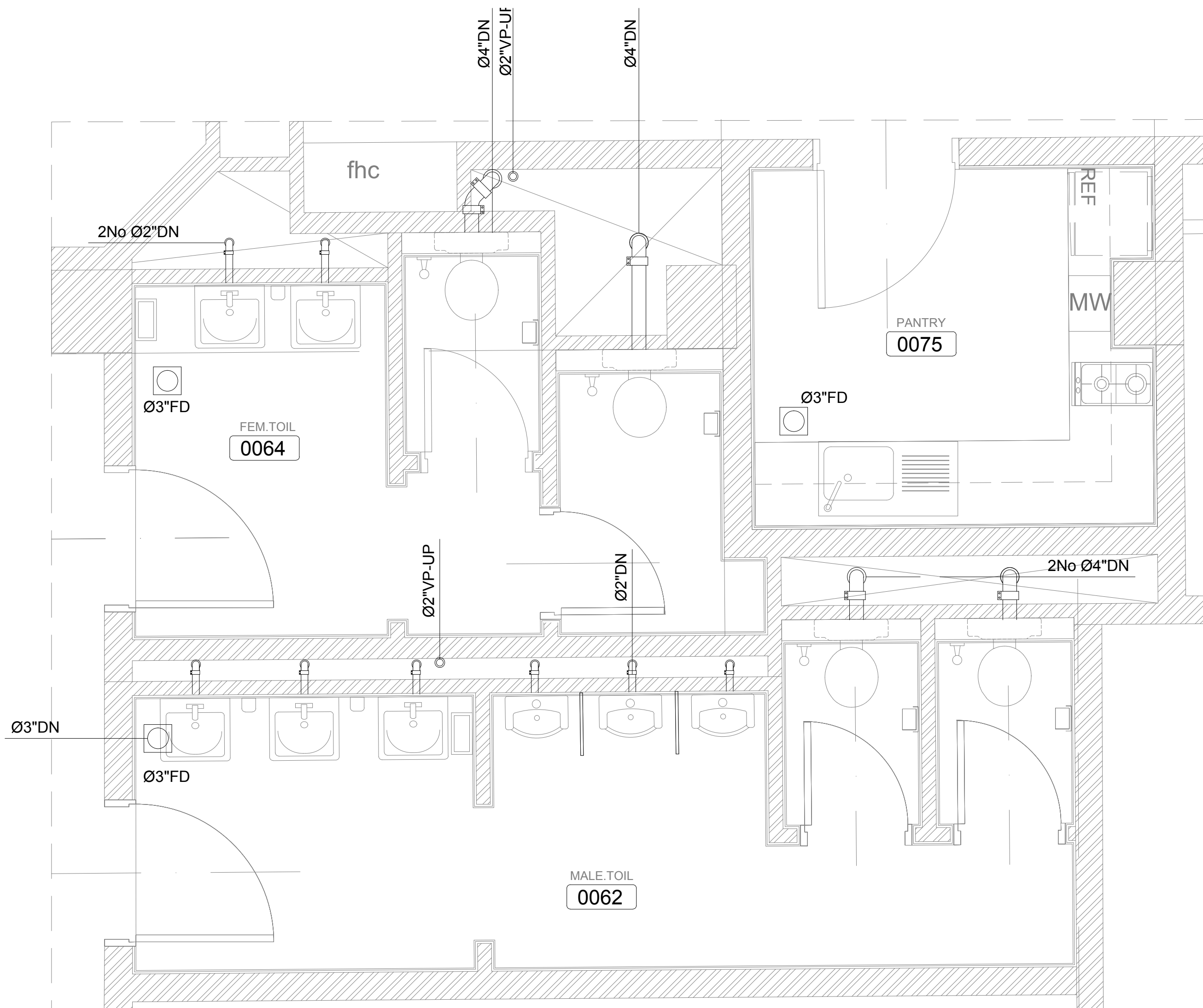
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L1202-CD-M-300-A1	

Revision NO.

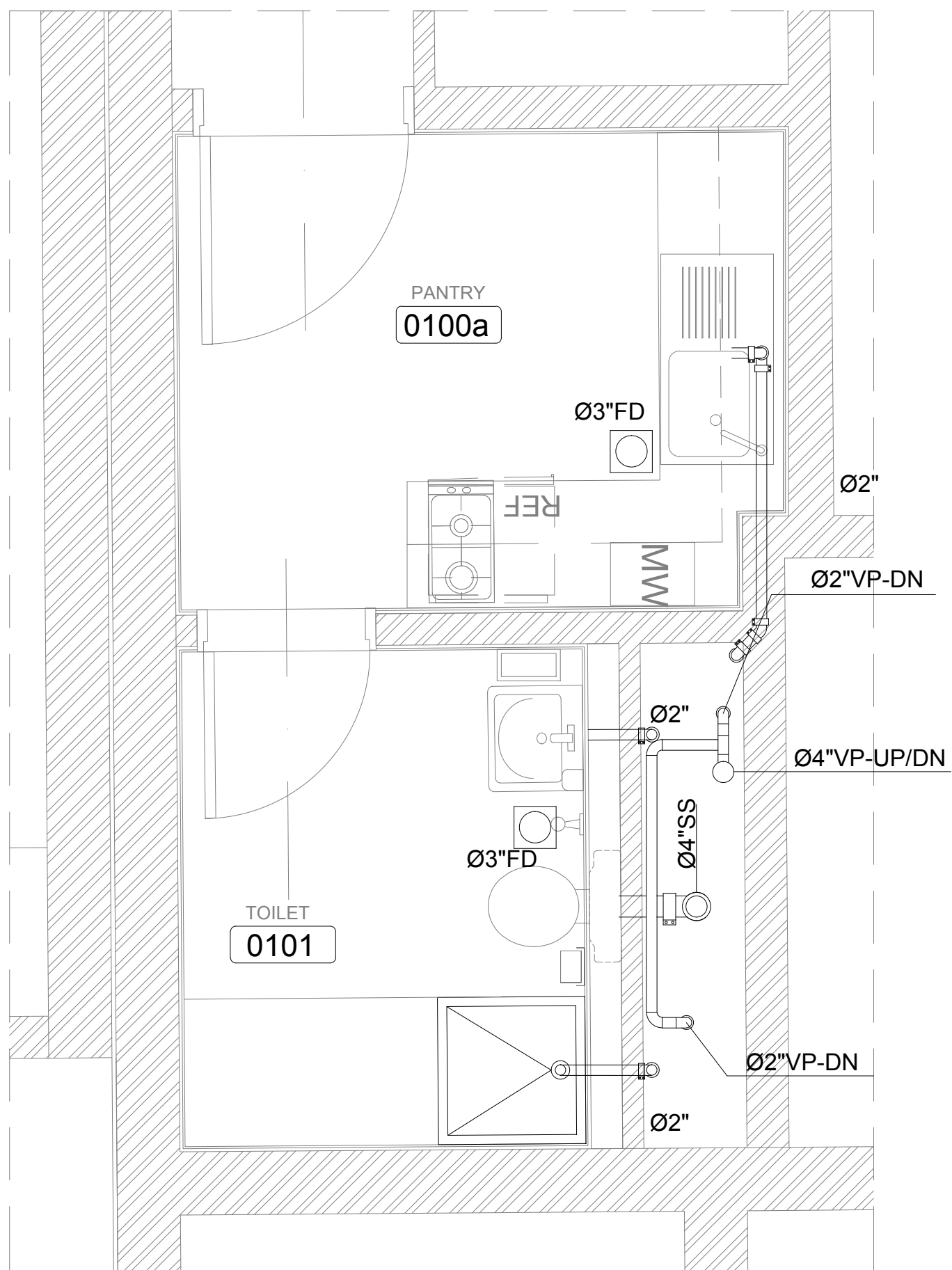
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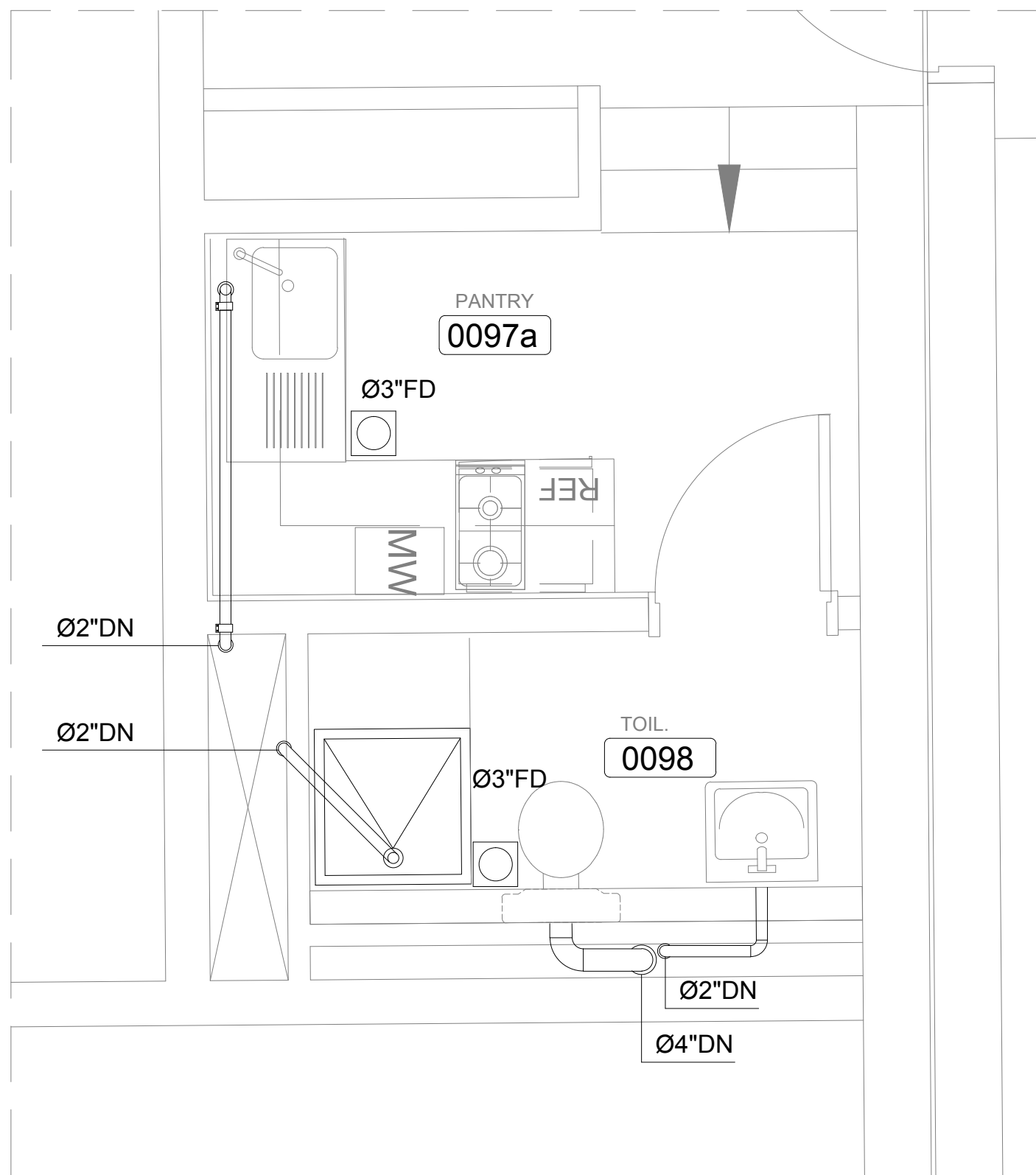
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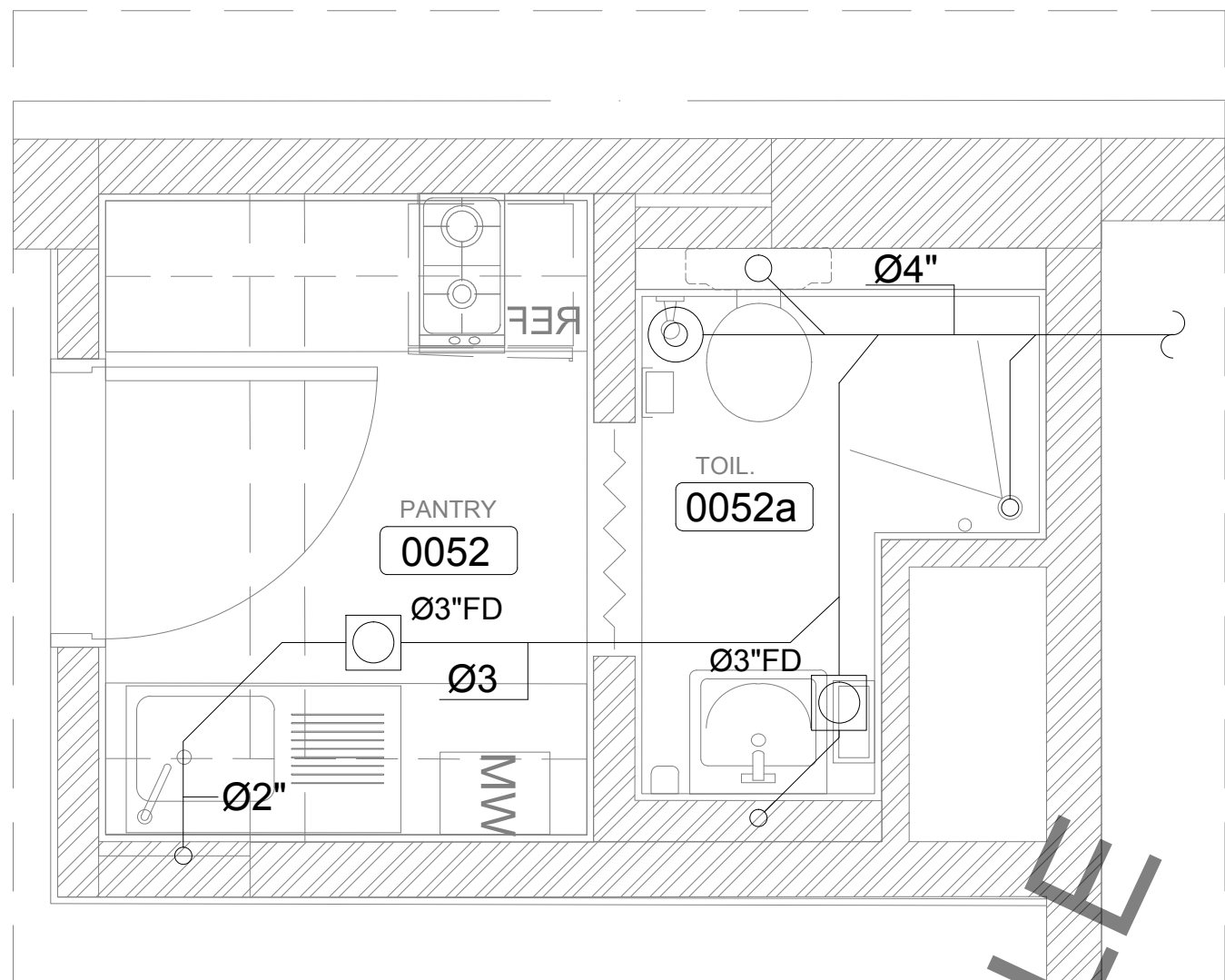
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4



3



HALF SCALE

1

OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

A.CHEHAB architects & engineers

Beirut office: Tel: 01-800316 - 800117 Fax: 01-800315
Saida office: Tel: 07-726004 Tel.Fax: 07-725118
Email: info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

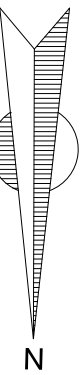
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L1202

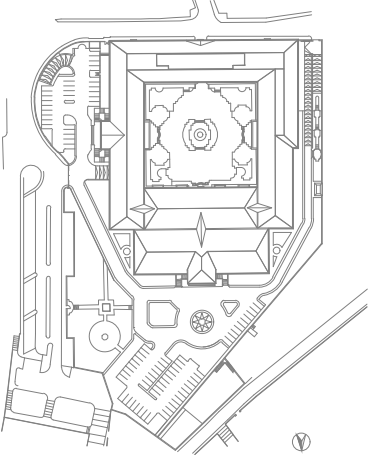
PROJECT LOCATION: Beirut - Lebanon

NOTES:

NORTH:



KEY PLAN:



SCALE

1/25

DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: .BS

APPROVED BY :AC

SHEET TITLE

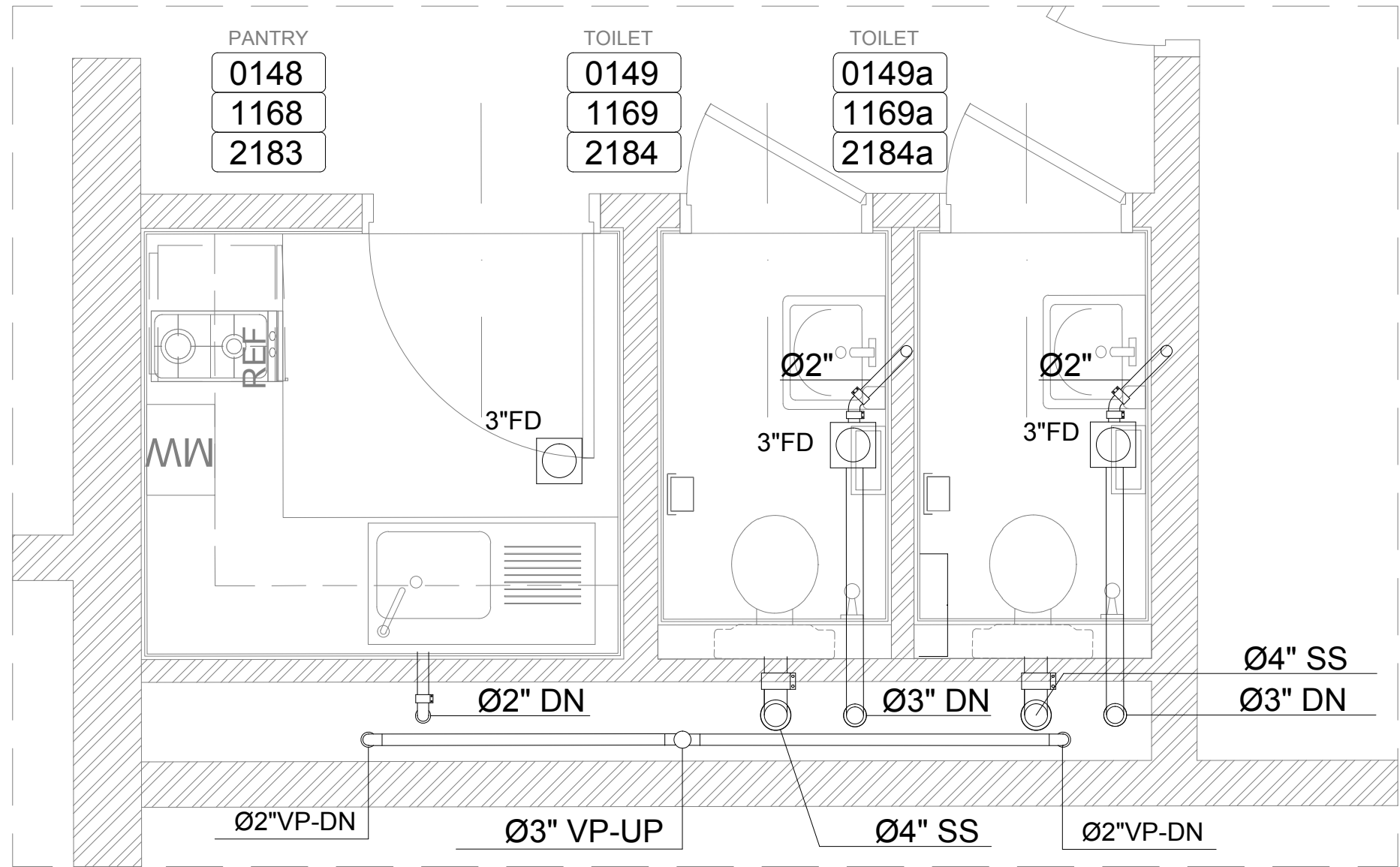
Wet Areas
Drainage Layout (2/5)

SHEET NO.

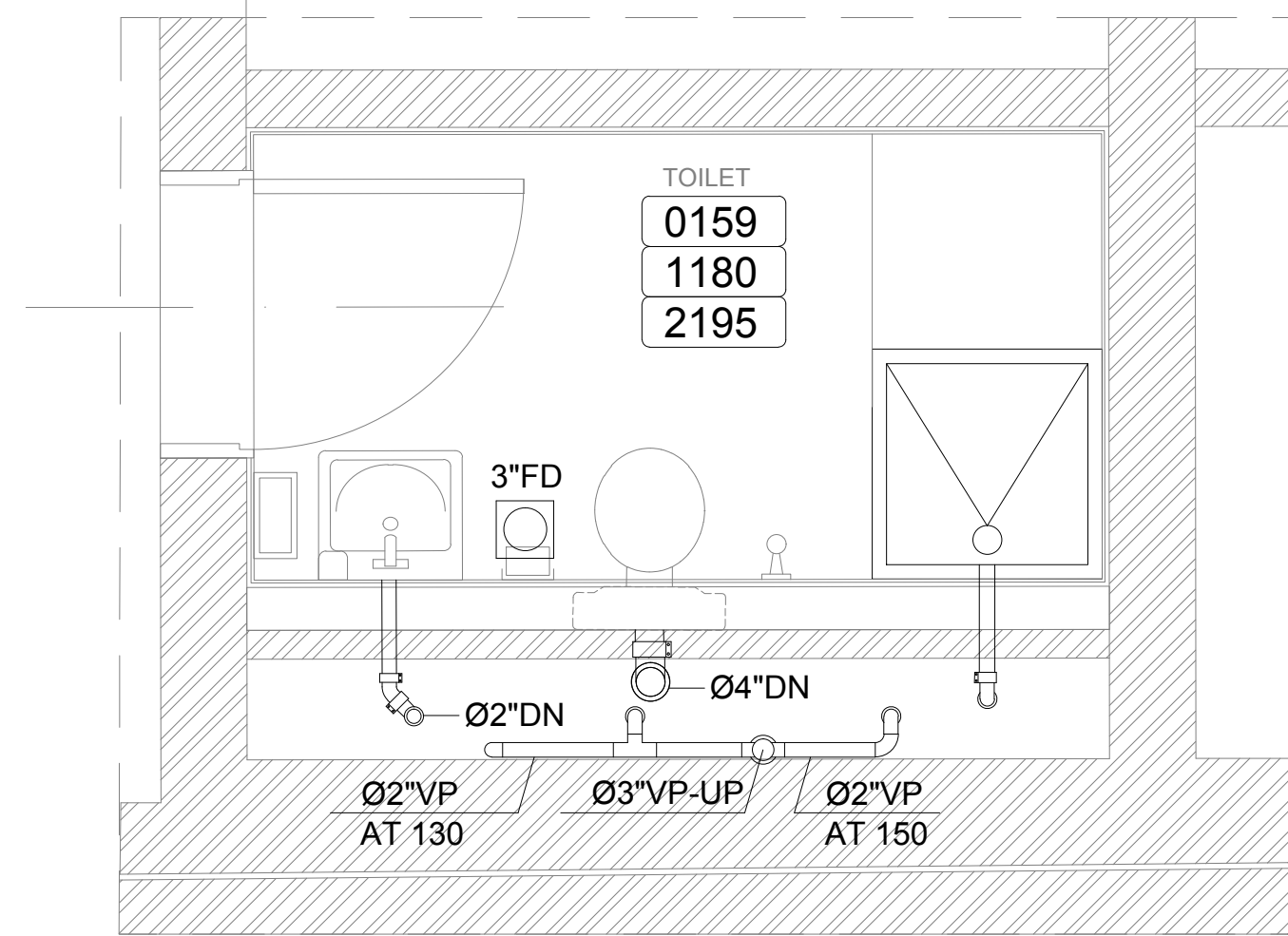
L1202-CD-M-301-A1

Revision NO.

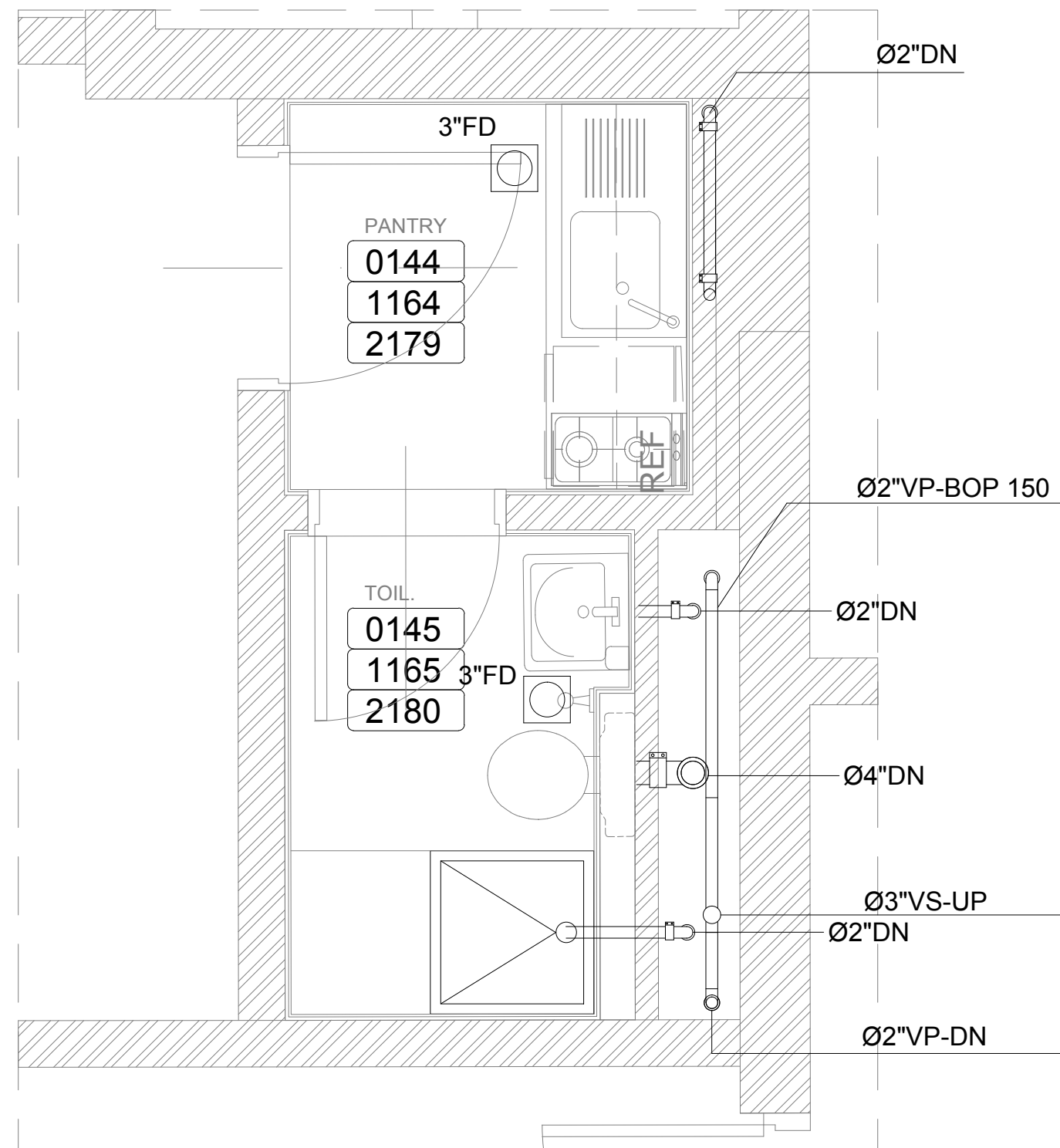
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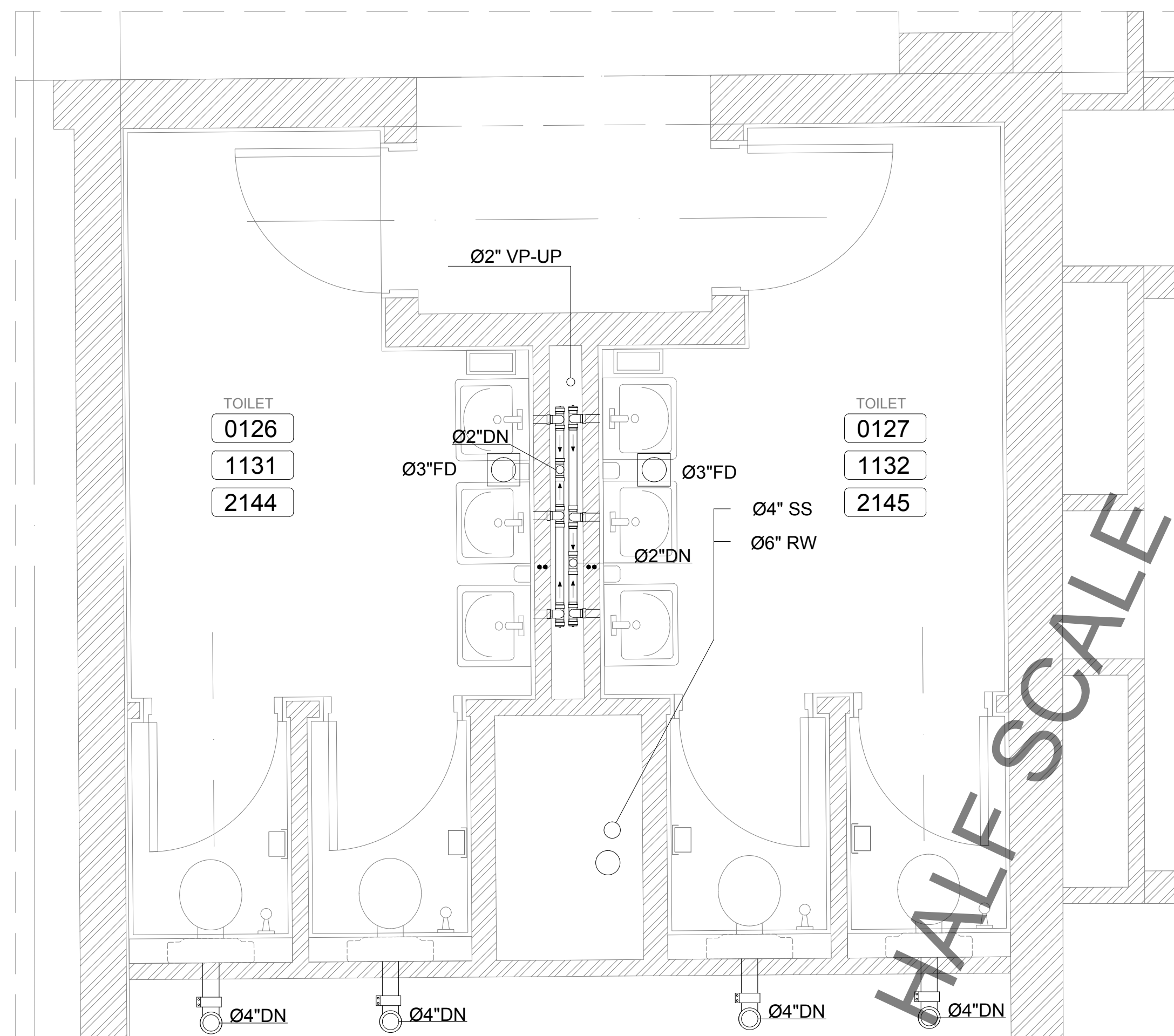
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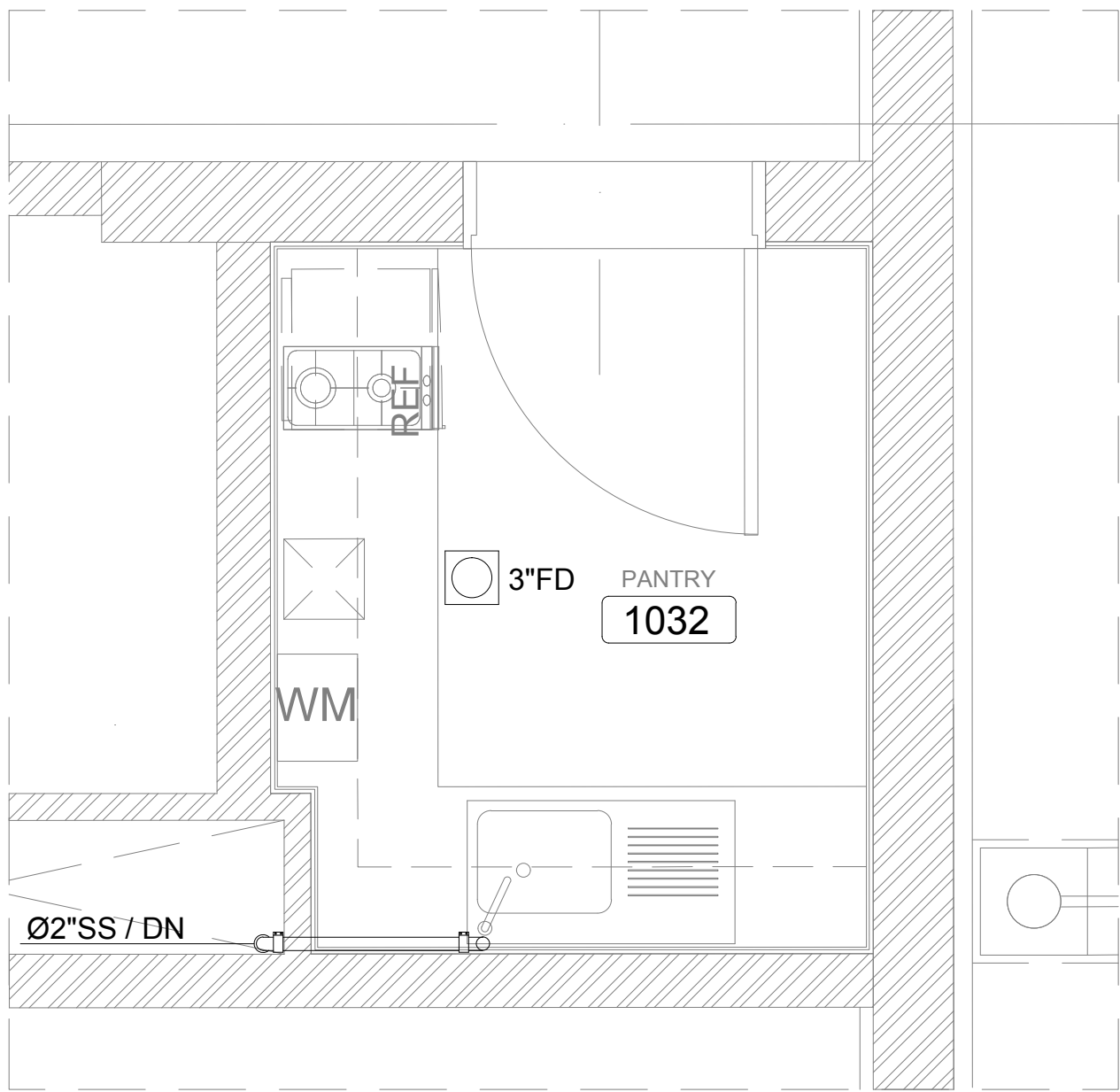


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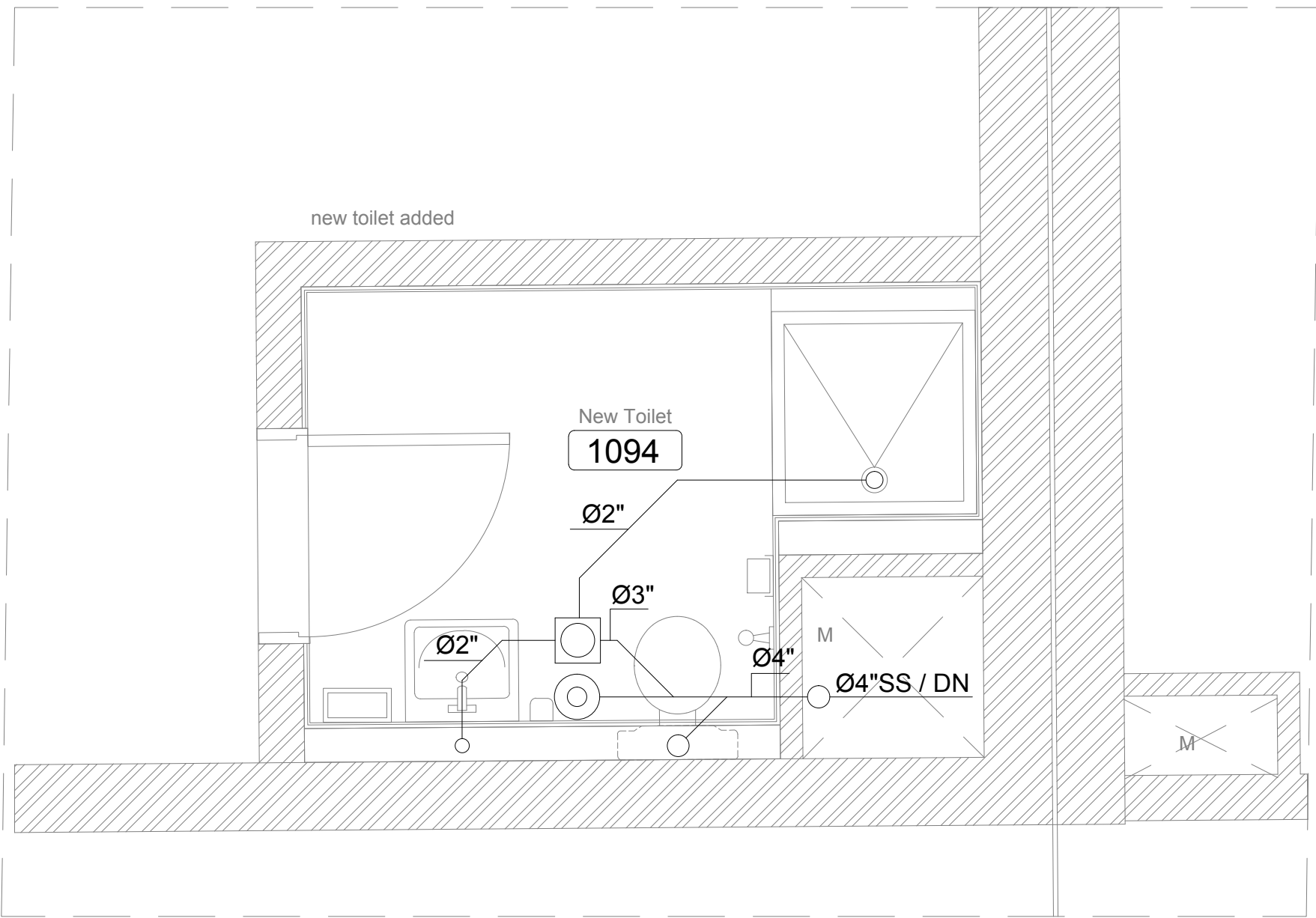


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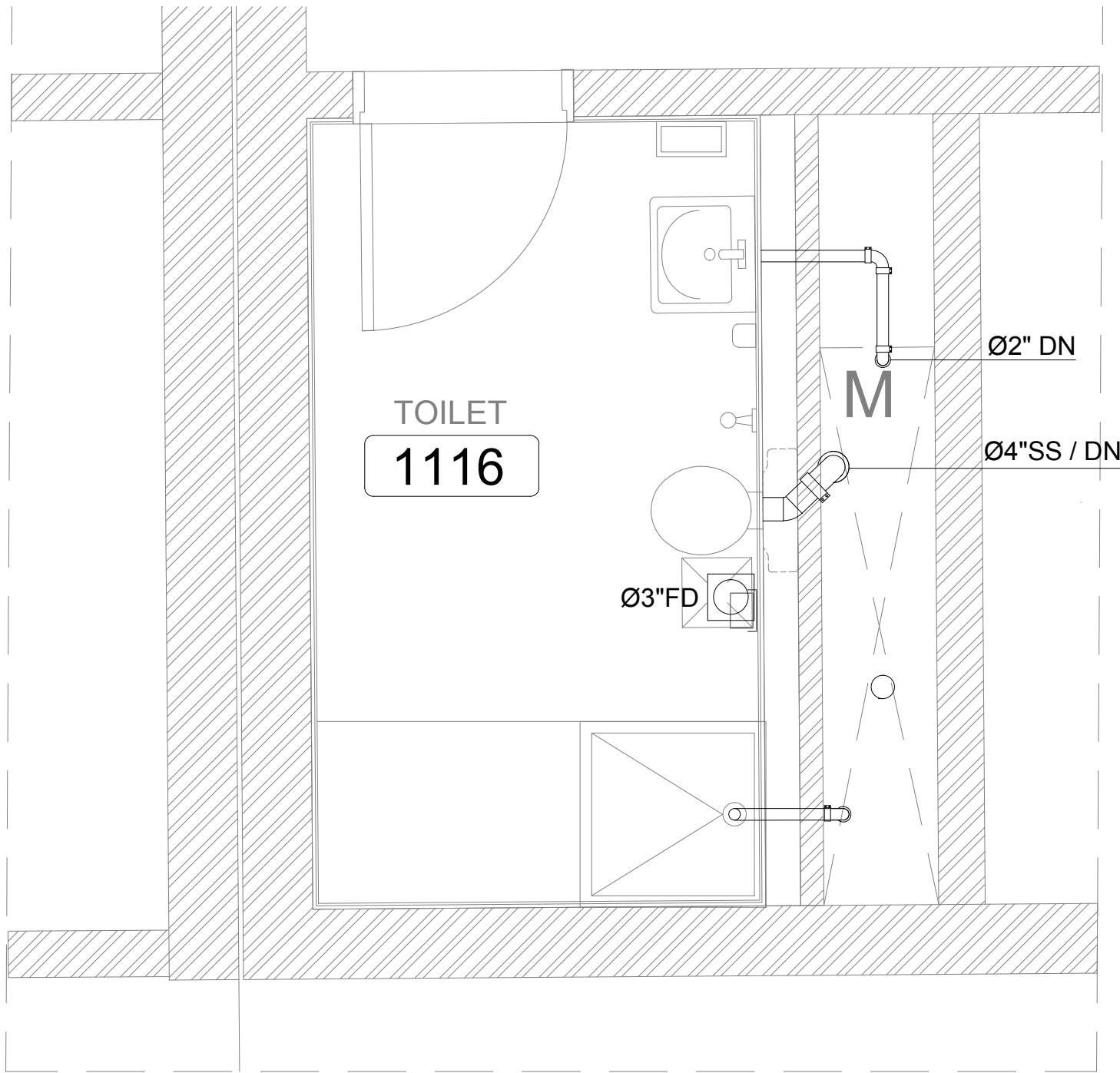
OWNER NAME:		
CLIENT:		
CONSULTANT OFFICE : A.CHEHAB architects & engineers Beirut office: Tel: 01-800316 - 800117 Fax: 01-800315 Sidak office: Tel: 07-726004 Tel.Fax: 07-725118 Email: info@LDRS-CO.com		
PROJECT NAME: REHABILITATION OF GRAND SERAIL		CODE No: L1202
PROJECT LOCATION: Beirut - Lebanon		
NOTES:		
NORTH: 		
KEY PLAN: 		
SCALE 1/25		
DATE: May 2022 DRAWN BY: BM - MD DESIGNED BY: BM - MD CHECKED BY: BS APPROVED BY: AC		
SHEET TITLE Wet Areas Drainage Layout (3/5)		
SHEET NO. L1202-CD-M-302-A1	Revision NO. 00	



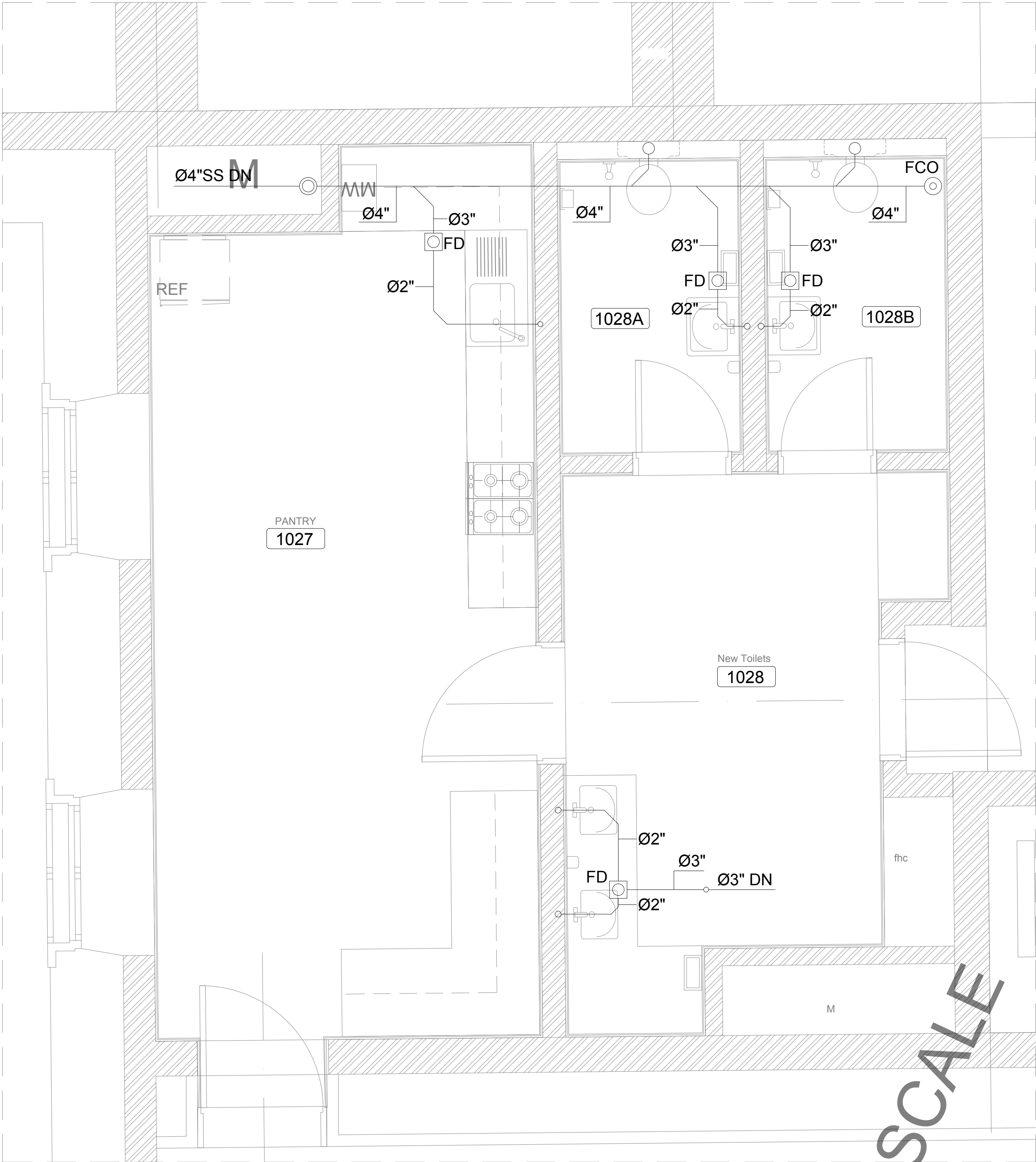
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5



2



OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

A.CHEHAB architects & engineers

Beirut office: Tel: 01-800316 - 800117 Fax: 01-800315
Saida office: Tel: 07-726004 Tel.Fax: 07-725118
Email: info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

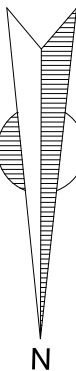
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L1202

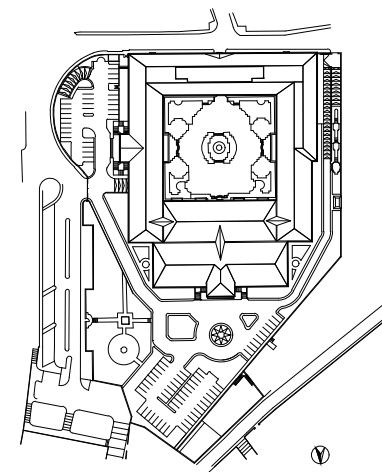
PROJECT LOCATION: Beirut - Lebanon

NOTES:

NORTH:



KEY PLAN:



SCALE

1/25

DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: BS

APPROVED BY: AC

SHEET TITLE

Wet Areas
Drainage Layout (4/5)

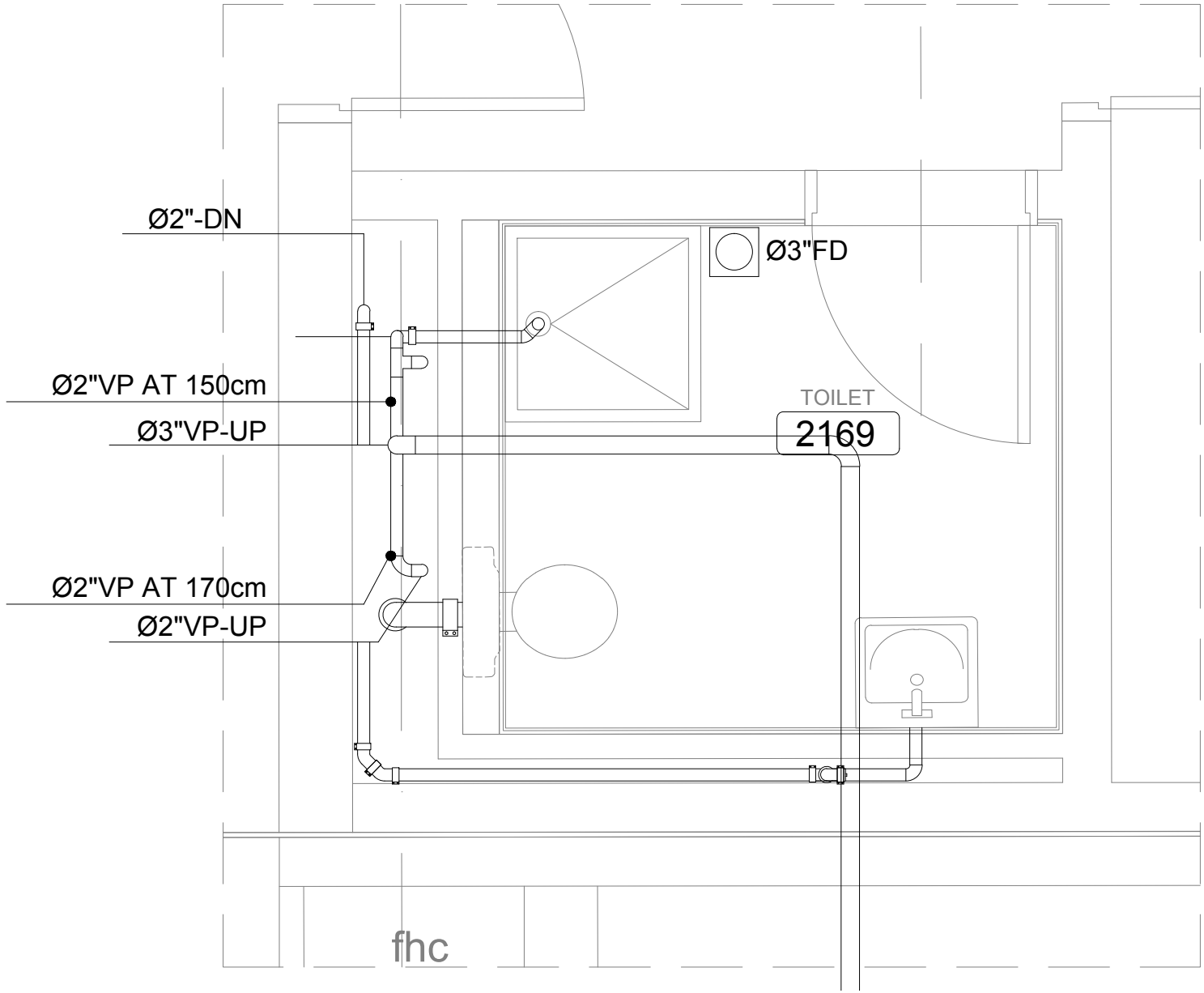
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L1202-CD-M-303-A1

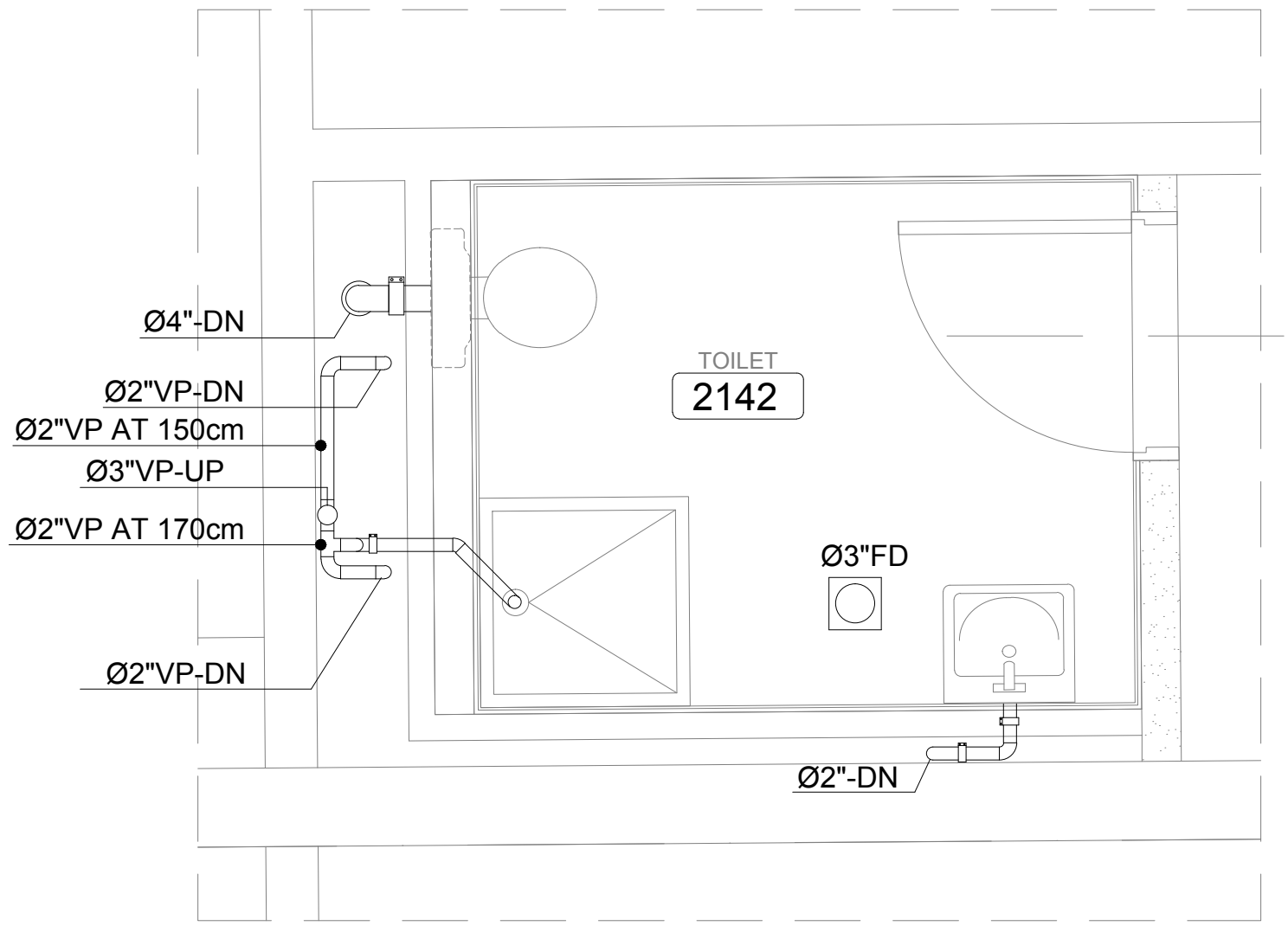
Revision NO.

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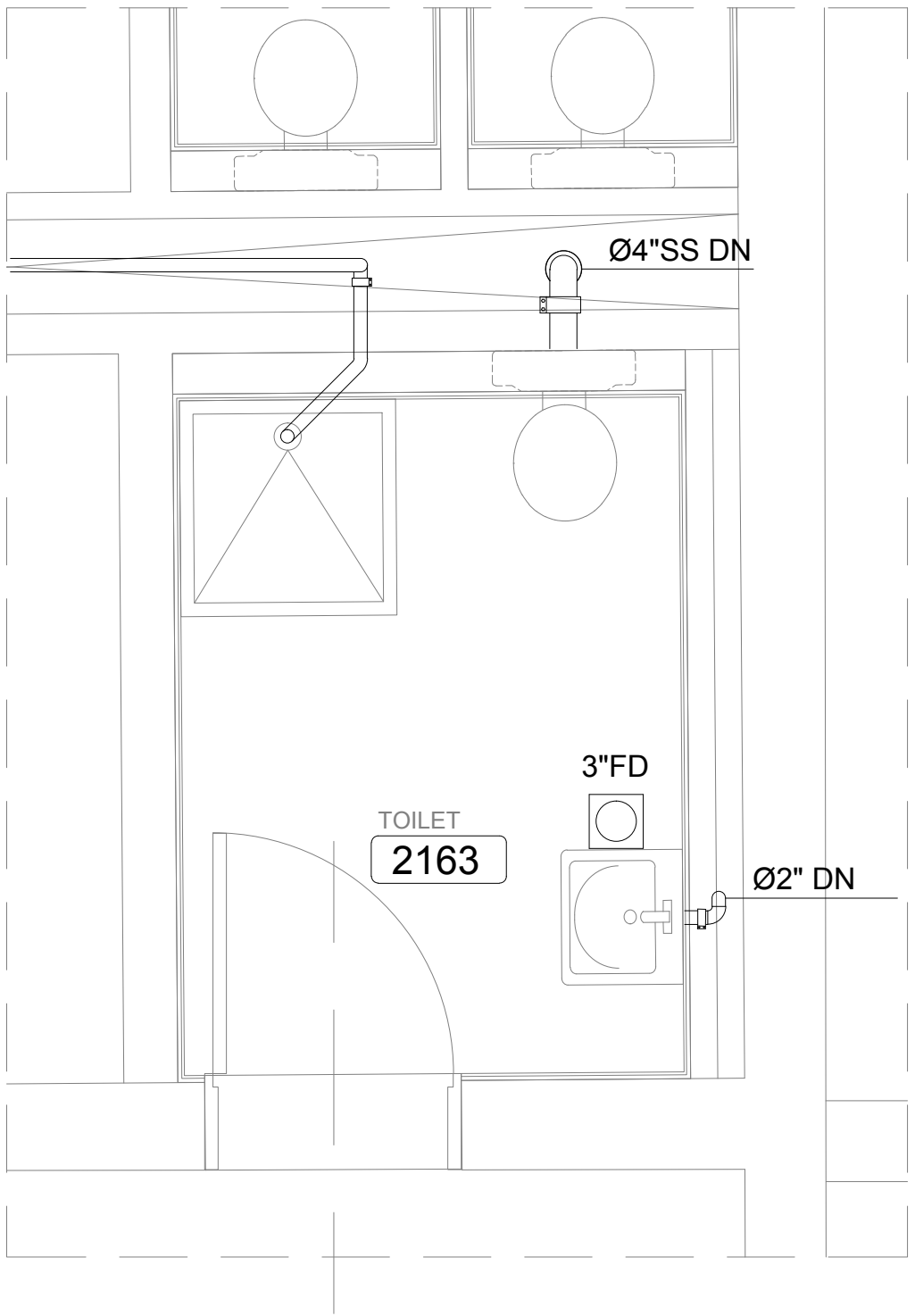
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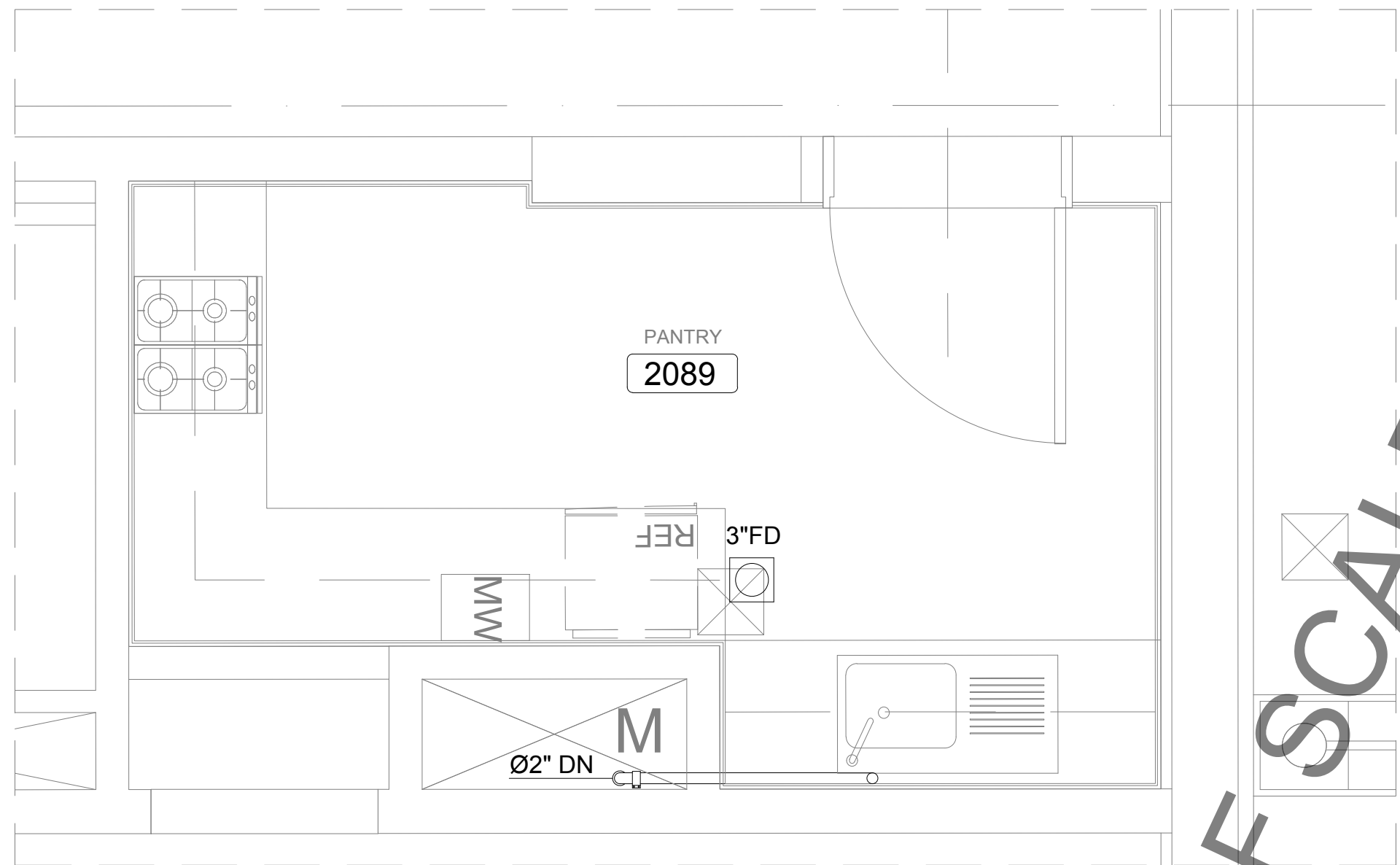
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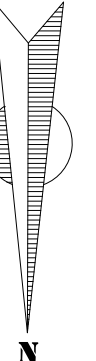
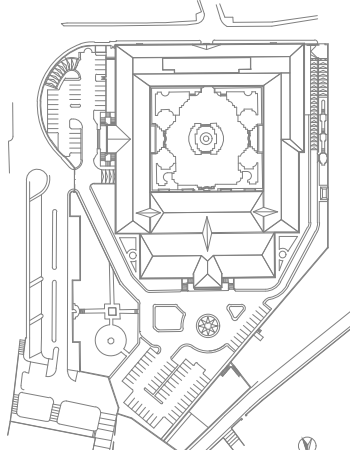


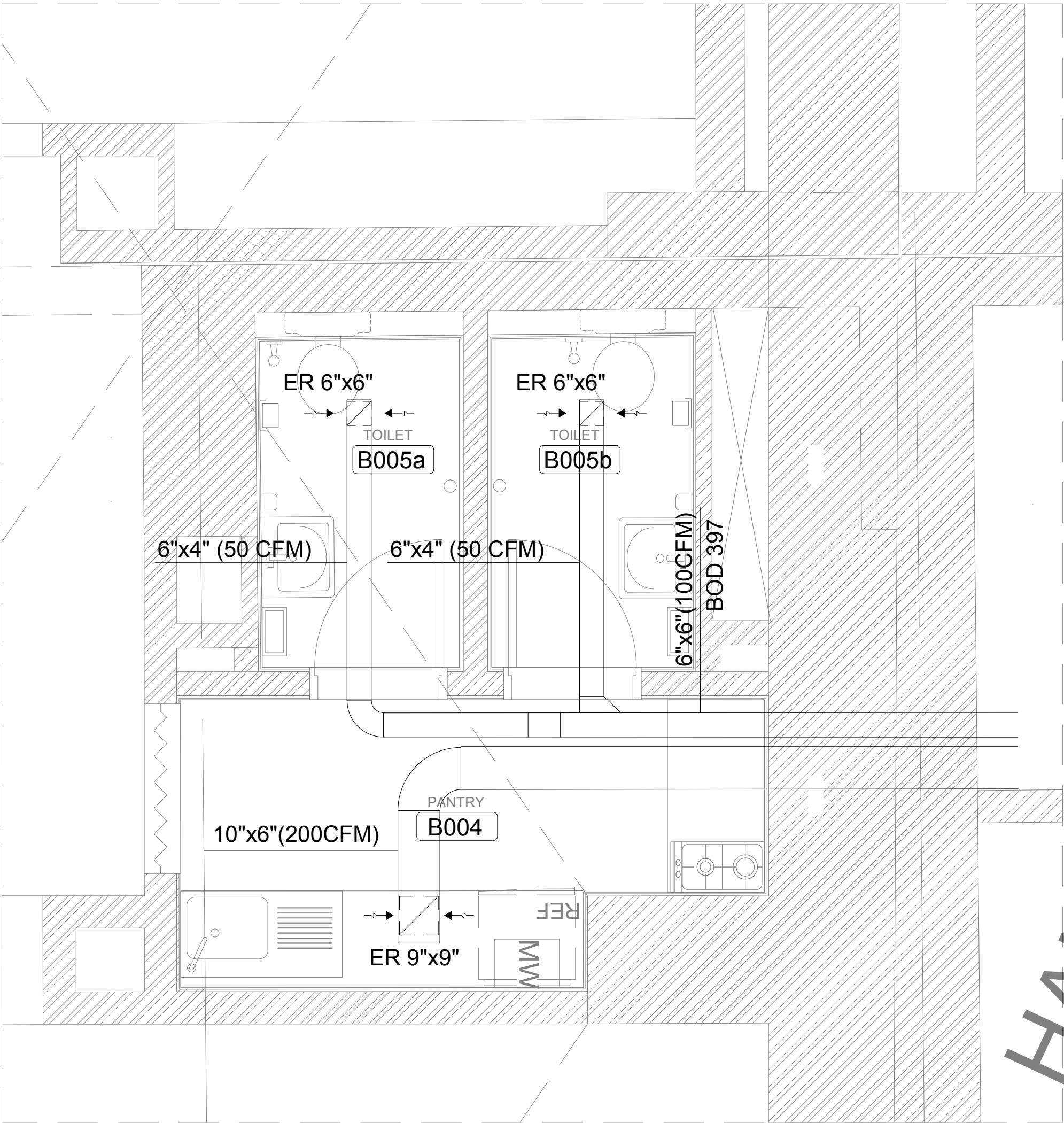
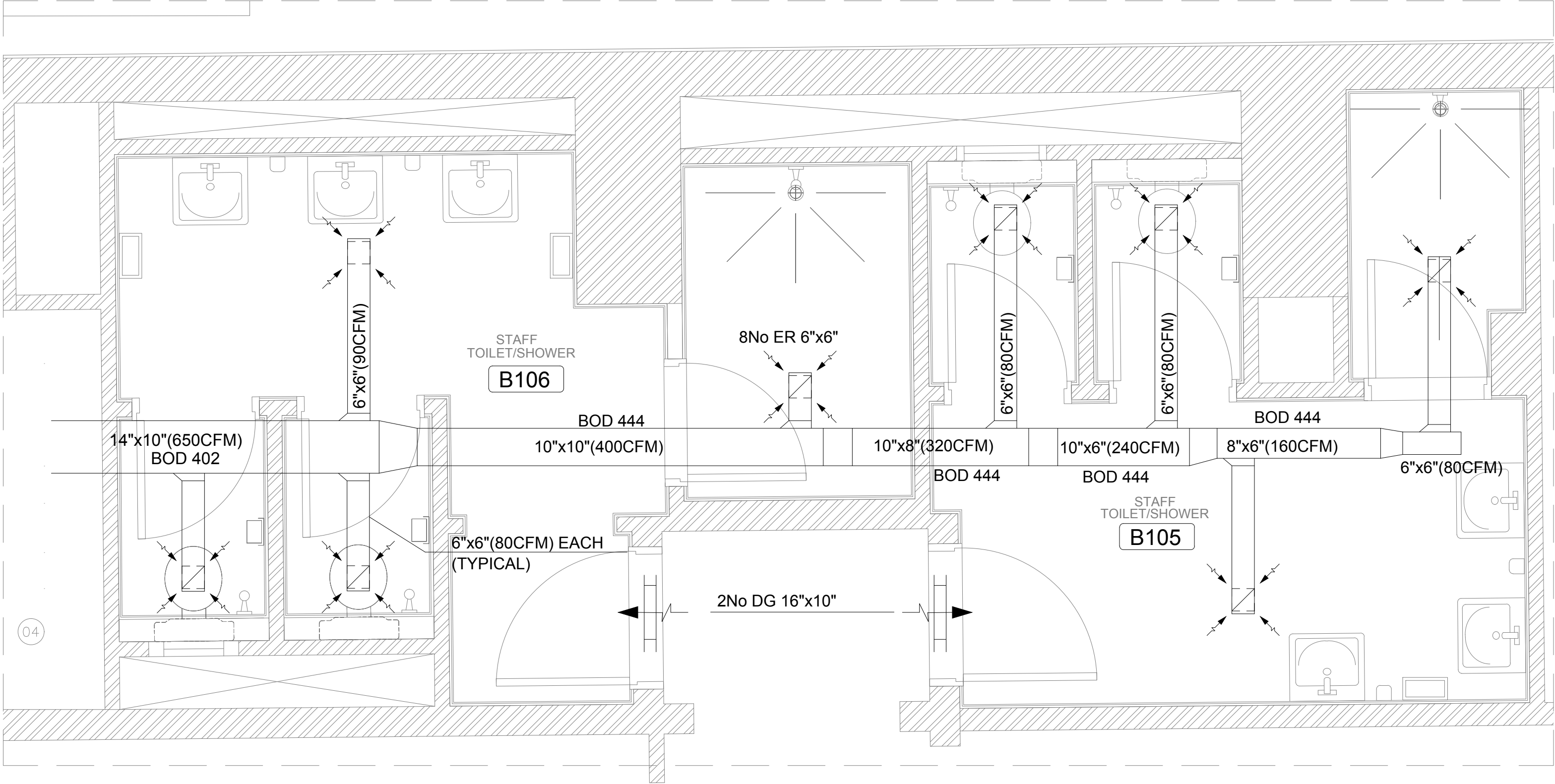
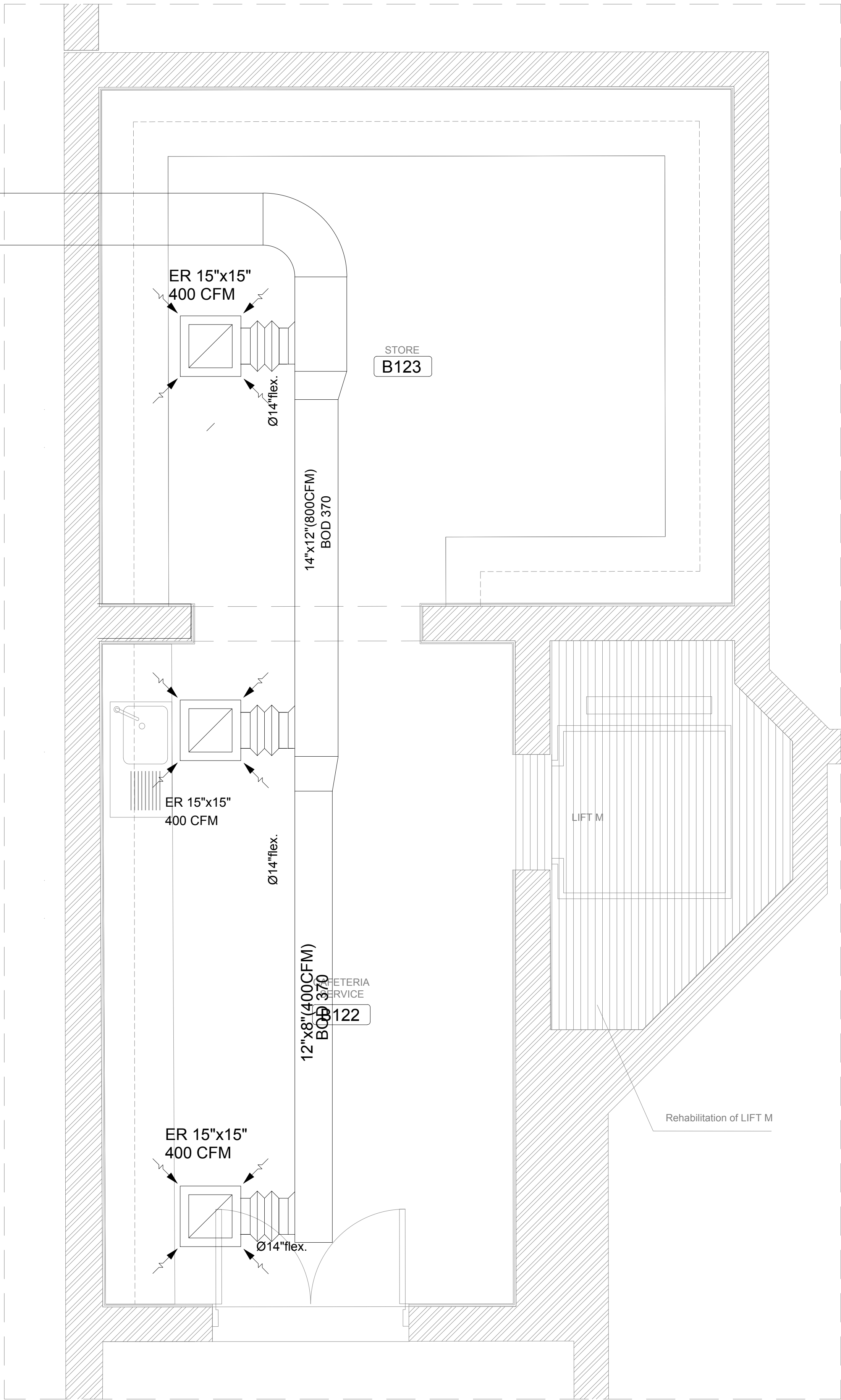
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HALF SCALE

1

OWNER NAME:	
	
CLIENT:	
	
CONSULTANT OFFICE :	
A.CHEHAB architects & engineers Beirut office: Tel: 01-800316 - 800317 Fax: 01-800315 Sidak office: Tel: 07-726004 Tel.Fax: 07-725118 Email: info@LDRS-CD.com	
PROJECT NAME:	CODE No:
REHABILITATION OF GRAND SERAIL	L1202
PROJECT LOCATION: Beirut - Lebanon	
NOTES:	
<p>NORTH:</p> 	
KEY PLAN:	
	
SCALE	
1/25	
DATE: May 2022	
DRAWN BY: BM - MD	
DESIGNED BY: BM - MD	
CHECKED BY: BS	
APPROVED BY: AC	
SHEET TITLE	
Wet Areas Drainage Layout (5/5)	
SHEET NO.	Revision NO.
L1202-CD-M-304-A1	00



HALF SCALE

OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

A.CHEHAB architects & engineers
Beirut office: Tel: 01-800316 - 800117 Fax: 01-800315
Saida office: Tel: 07-28004 Tel.Fax: 07-28118
Email: info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

CODE No:

L1202

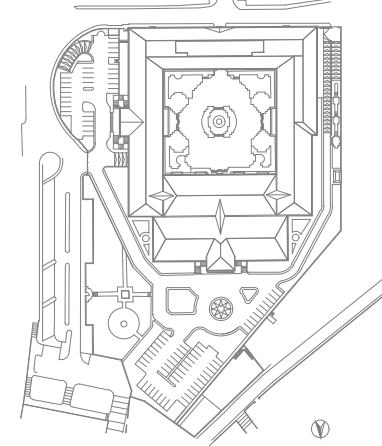
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NOTES:

NORTH:



KEY PLAN:



SCALE

1/25

DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: BS

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SHEET TITLE

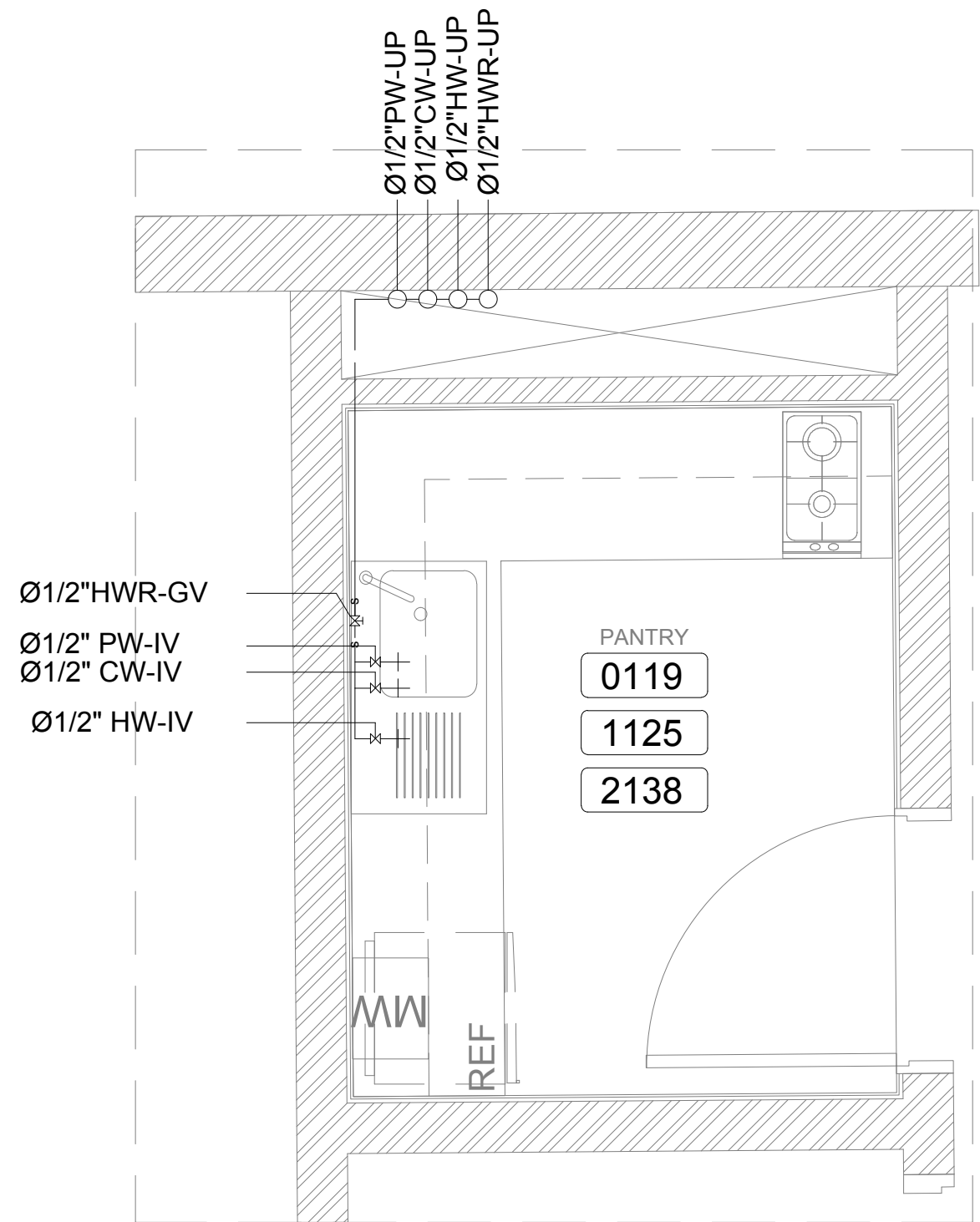
Wet Areas
HVAC Layout (1/5)

SHEET NO.

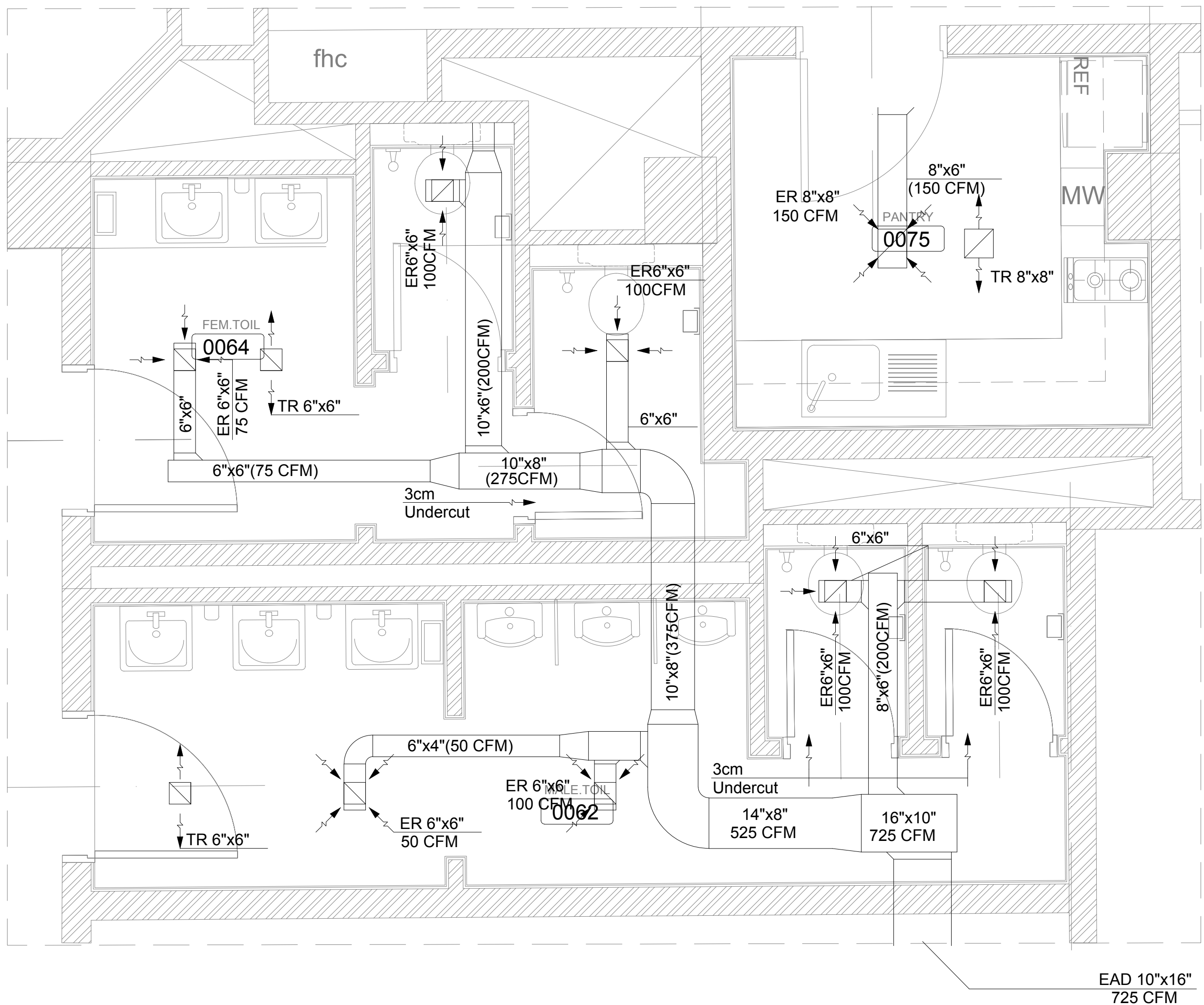
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Revision NO.

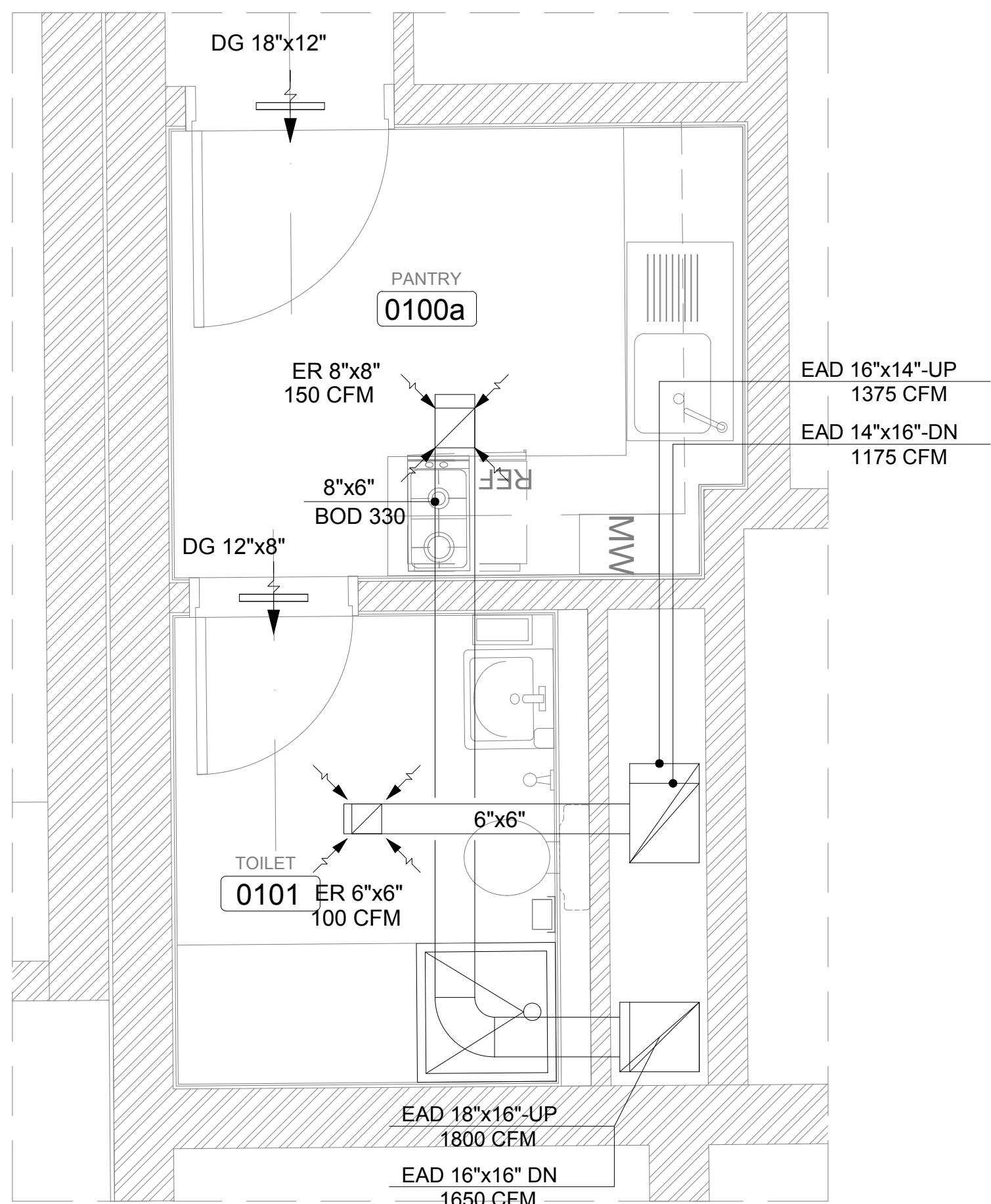
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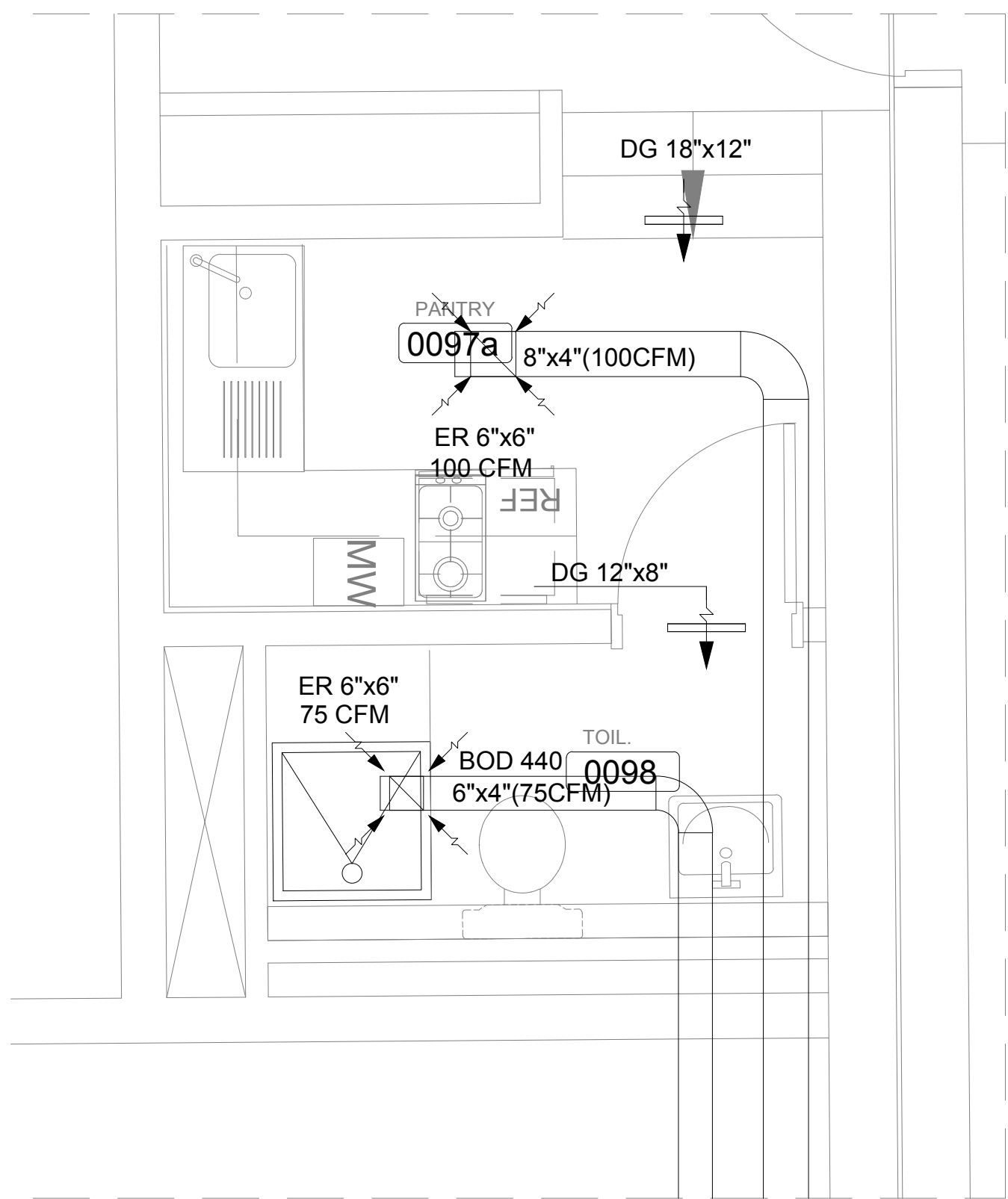
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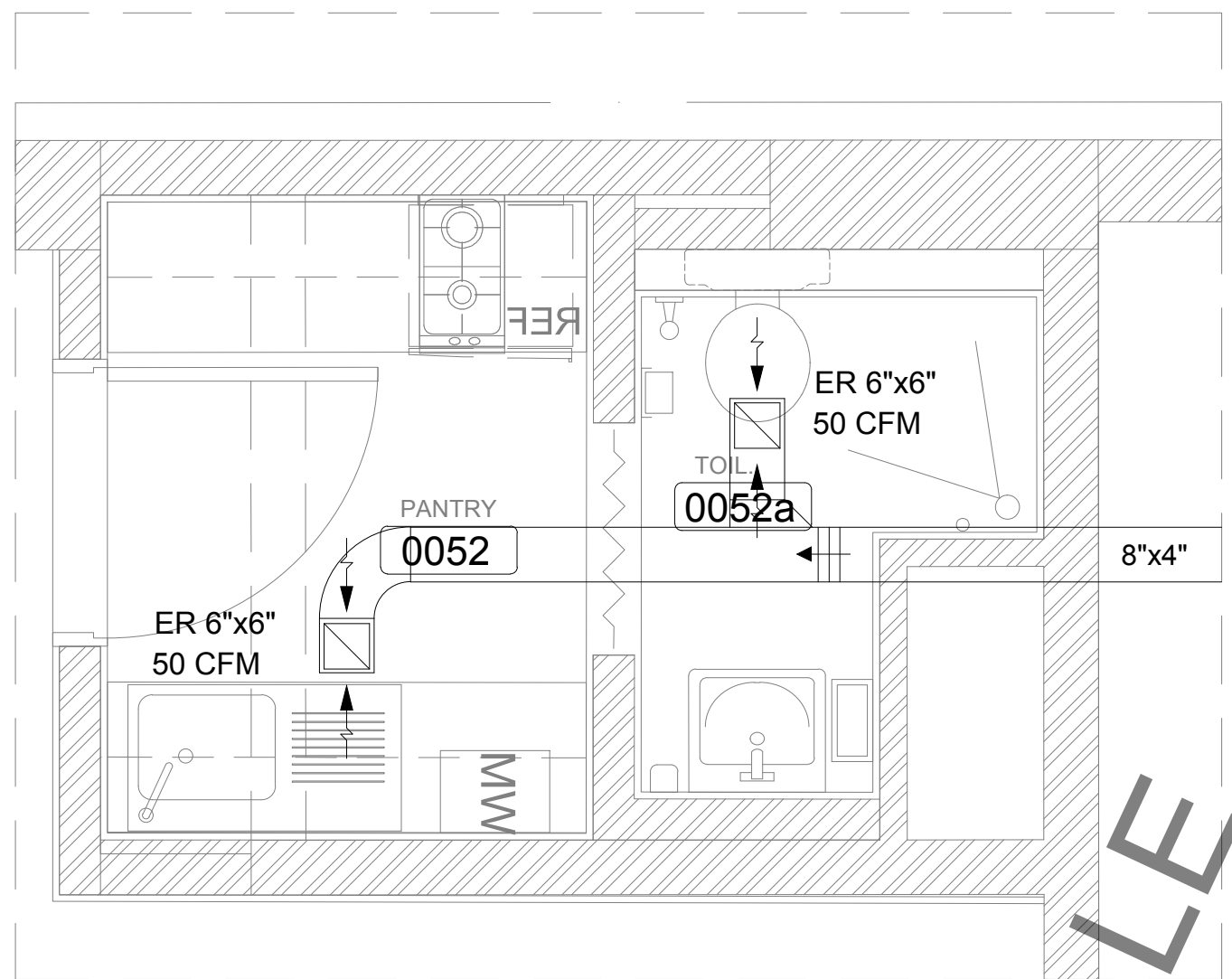
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HALF SCALE

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OWNER NAME:



CLIENT:



CONSULTANT OFFICE :
A.CHEHAB architects & engineers

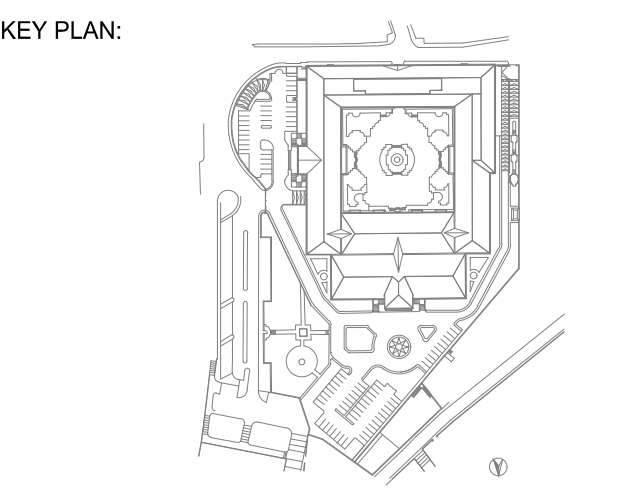
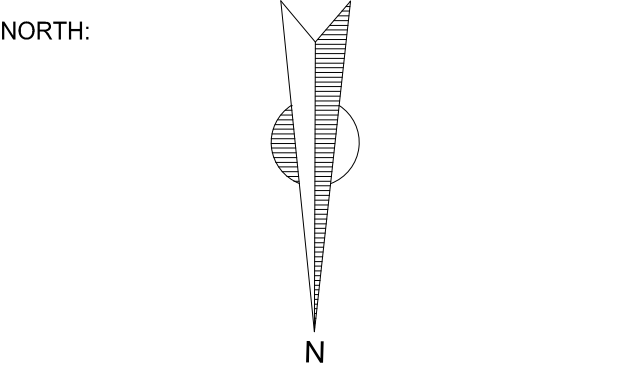
Beirut office: Tel: 01-800315 - 800117 Fax: 01-800315
Saida office: Tel: 07-726004 Tel.Fax: 07-725118
Email: info@LDRS-CD.com

PROJECT NAME:
**REHABILITATION OF
GRAND SERAIL**

CODE No:
L1202

PROJECT LOCATION: Beirut - Lebanon

NOTES:



SCALE
1/25

DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

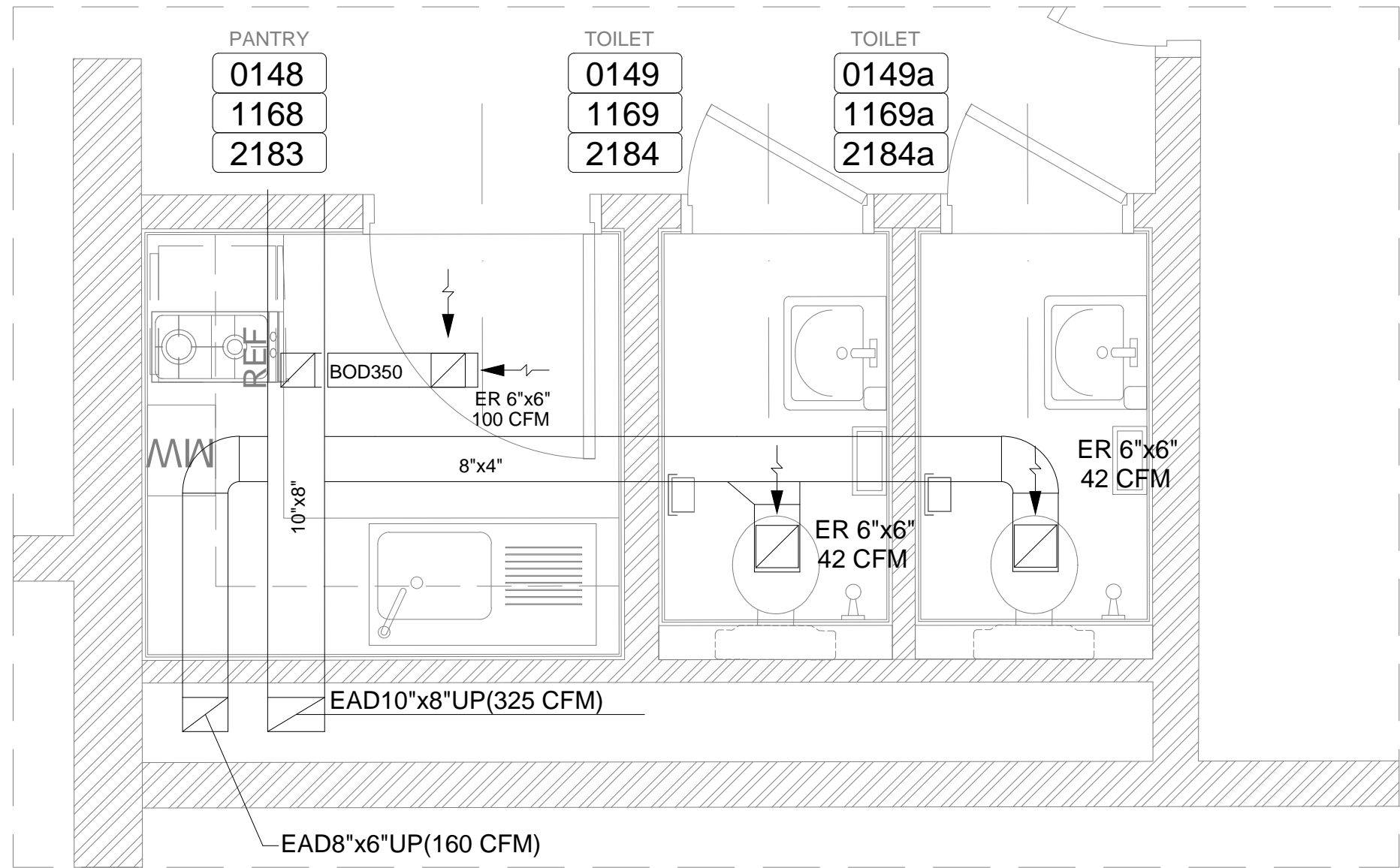
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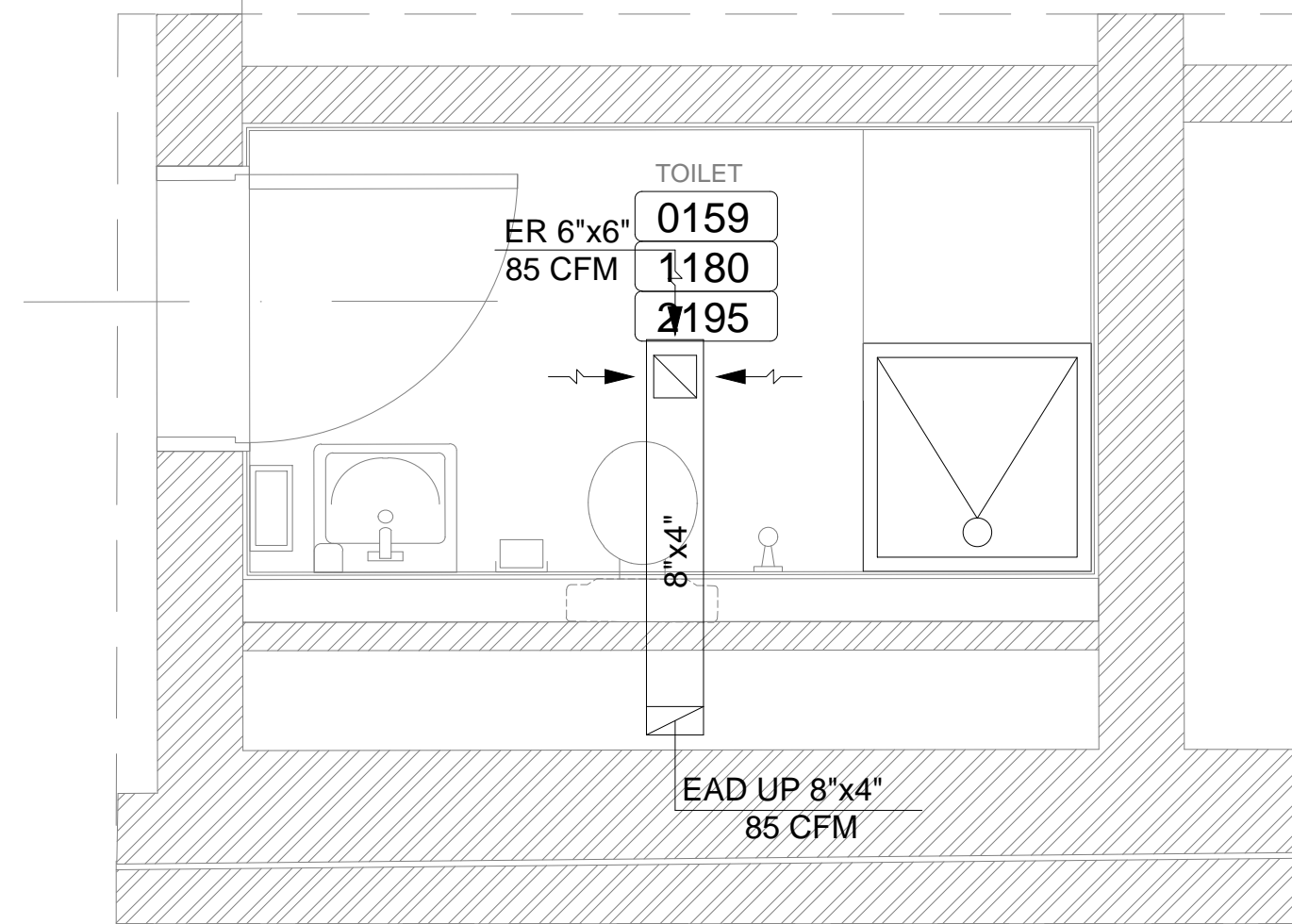
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**Wet Areas
HVAC Layout (2/5)**

SHEET NO.
L1202-CD-M-401-A1

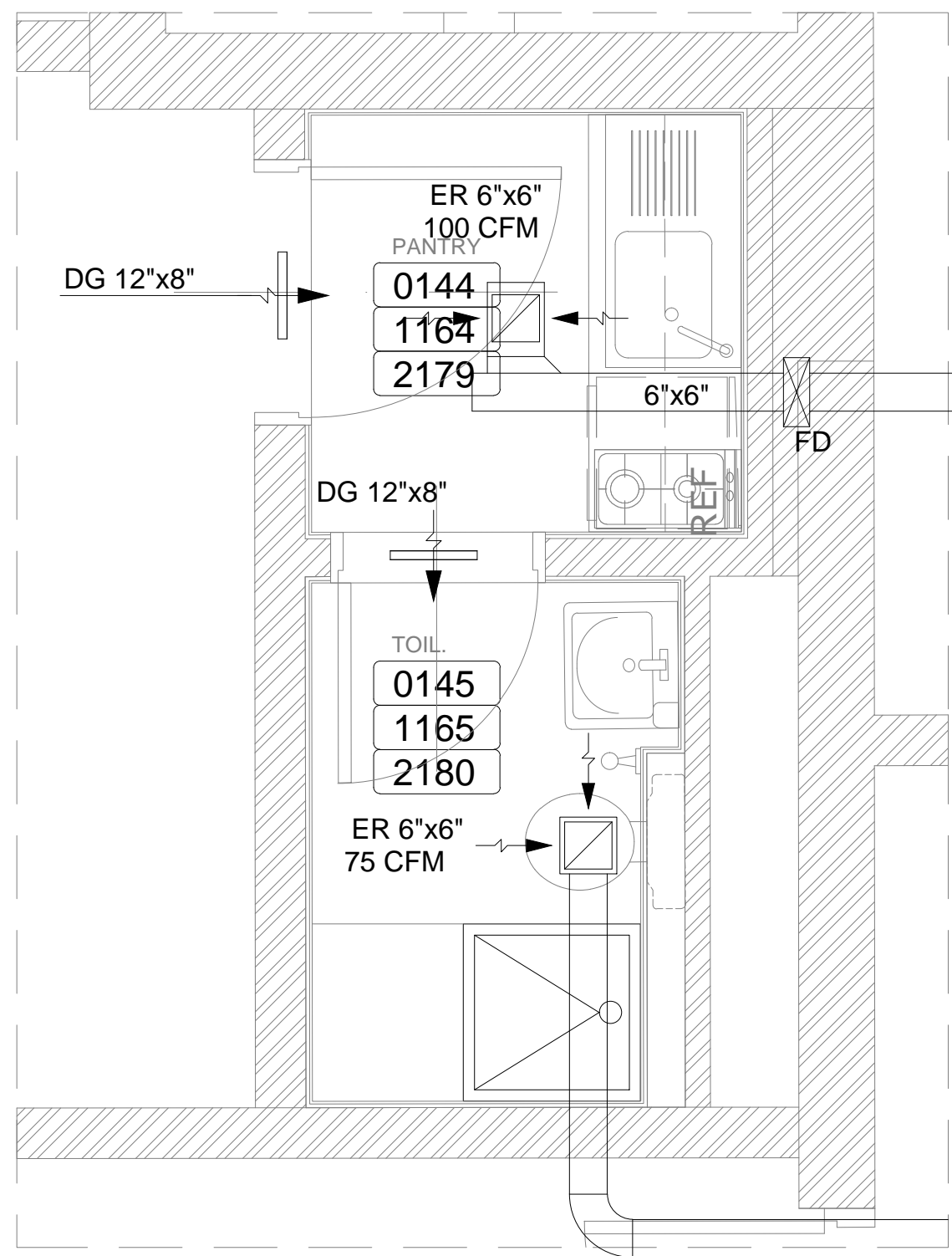
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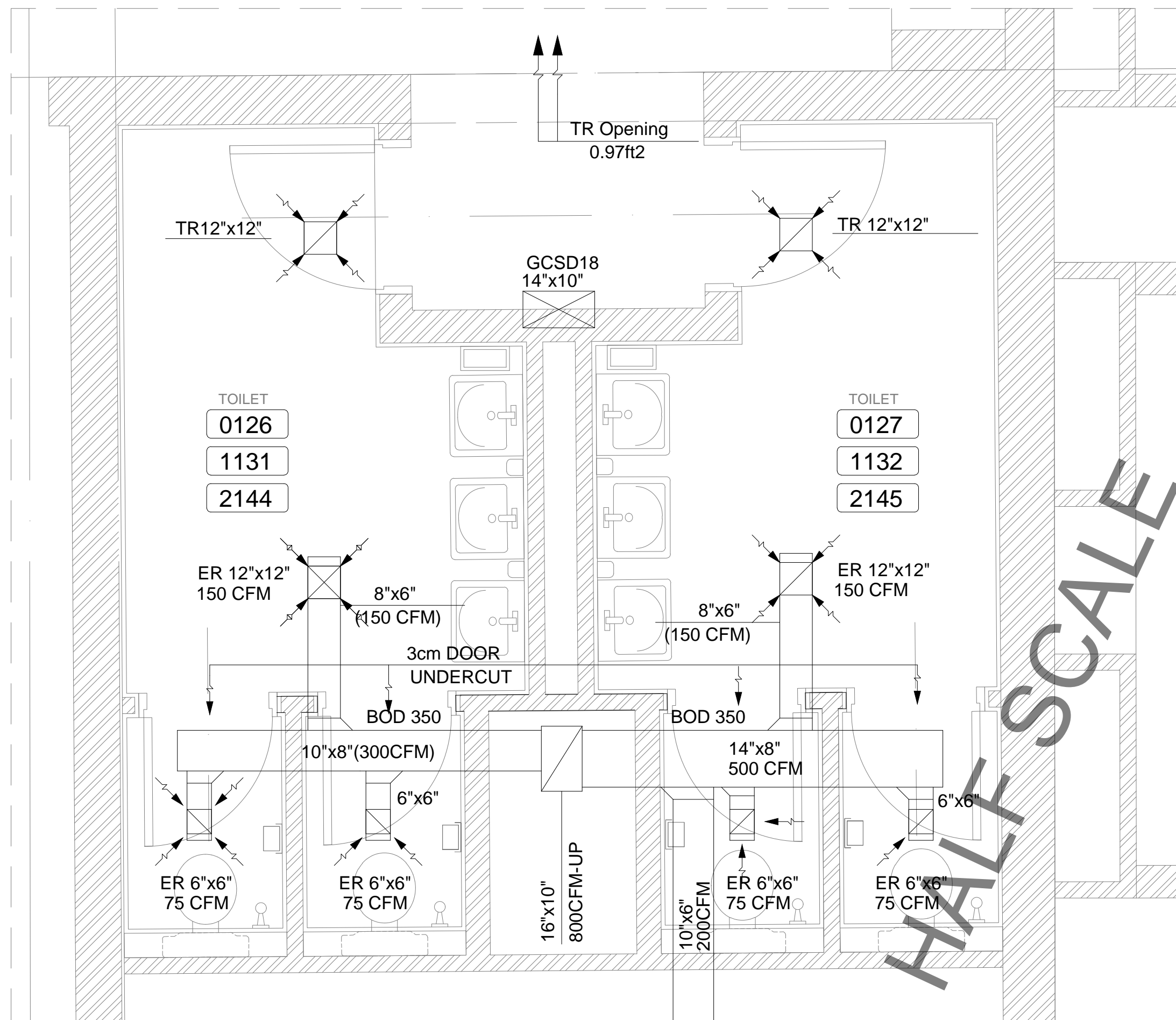
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1

OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

A.CHEHAB architects & engineers
Beirut office: Tel: 01-800316 - 800117 Fax: 01-800315
Saida office: Tel: 07-726004 Tel.Fax: 07-725118
Email: info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

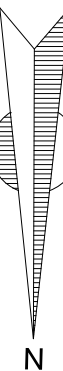
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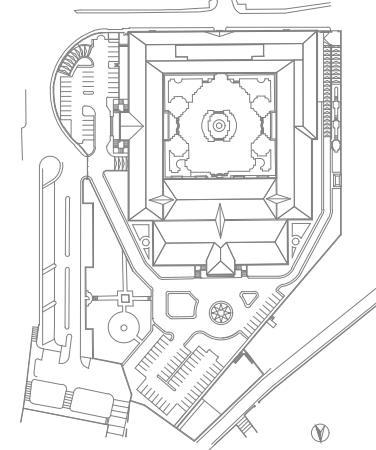
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NOTES:

NORTH:



KEY PLAN:



SCALE

1/25

DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: BS

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SHEET TITLE

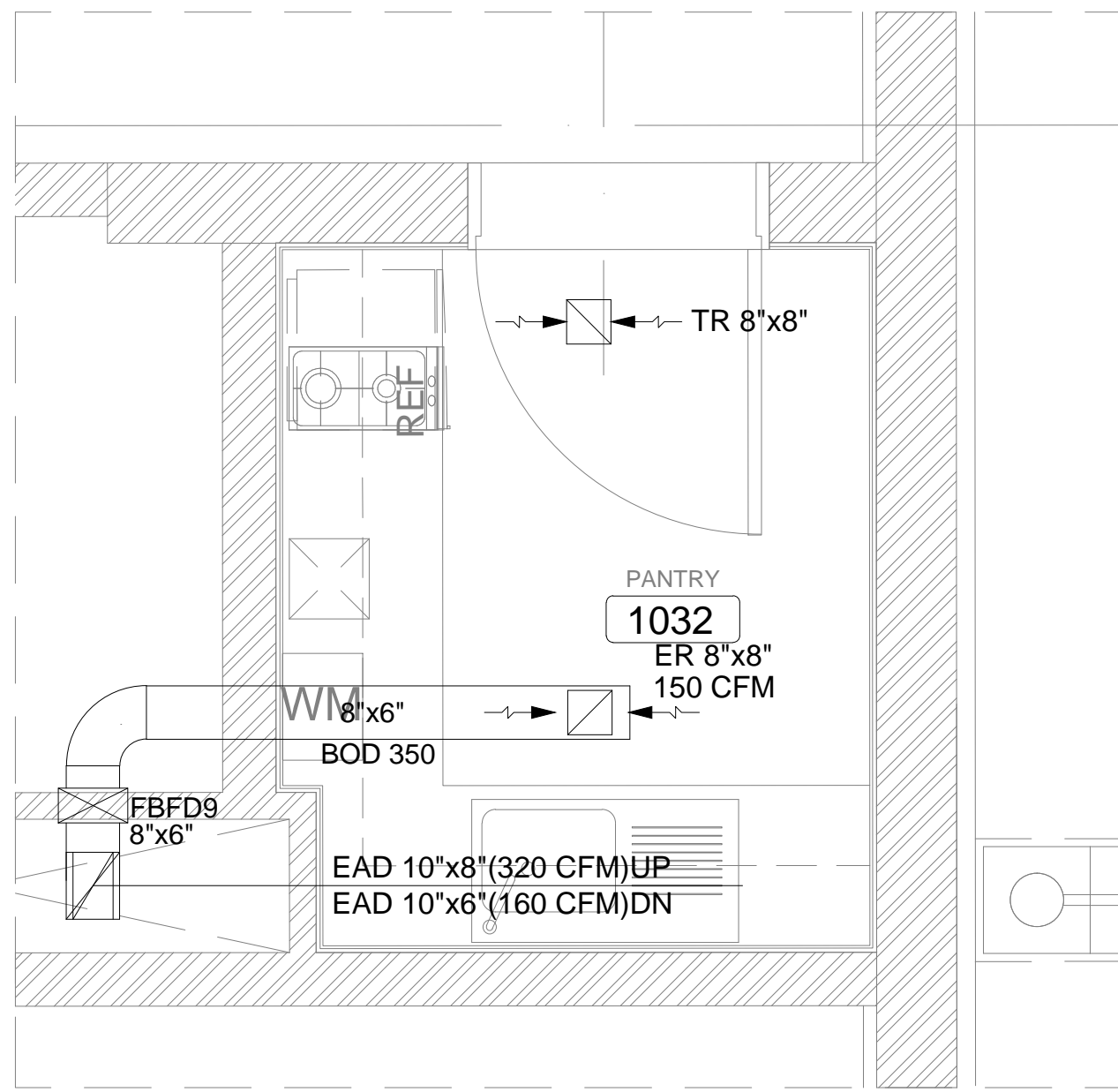
Wet Areas
HVAC Layout (3/5)

SHEET NO.

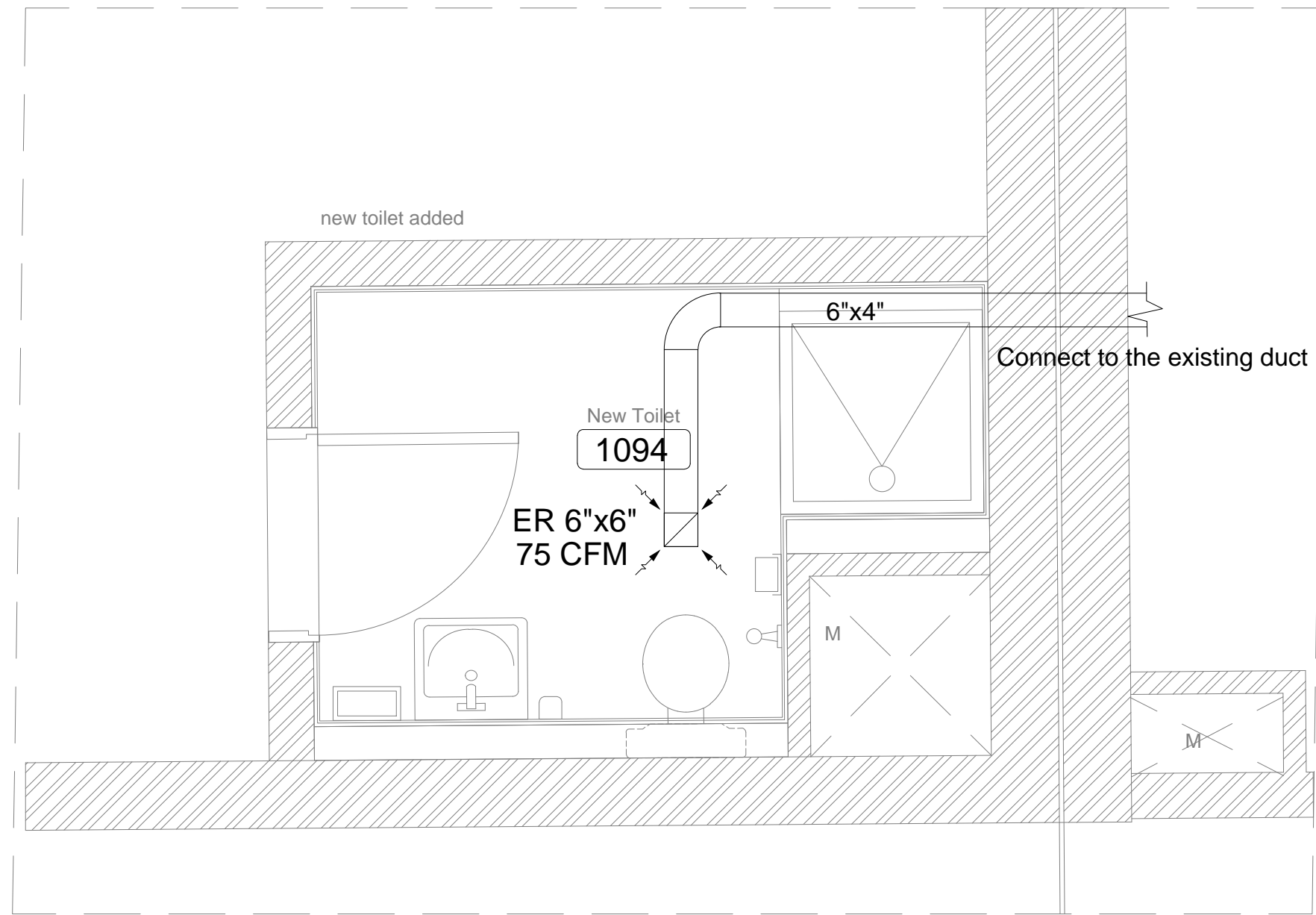
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Revision NO.

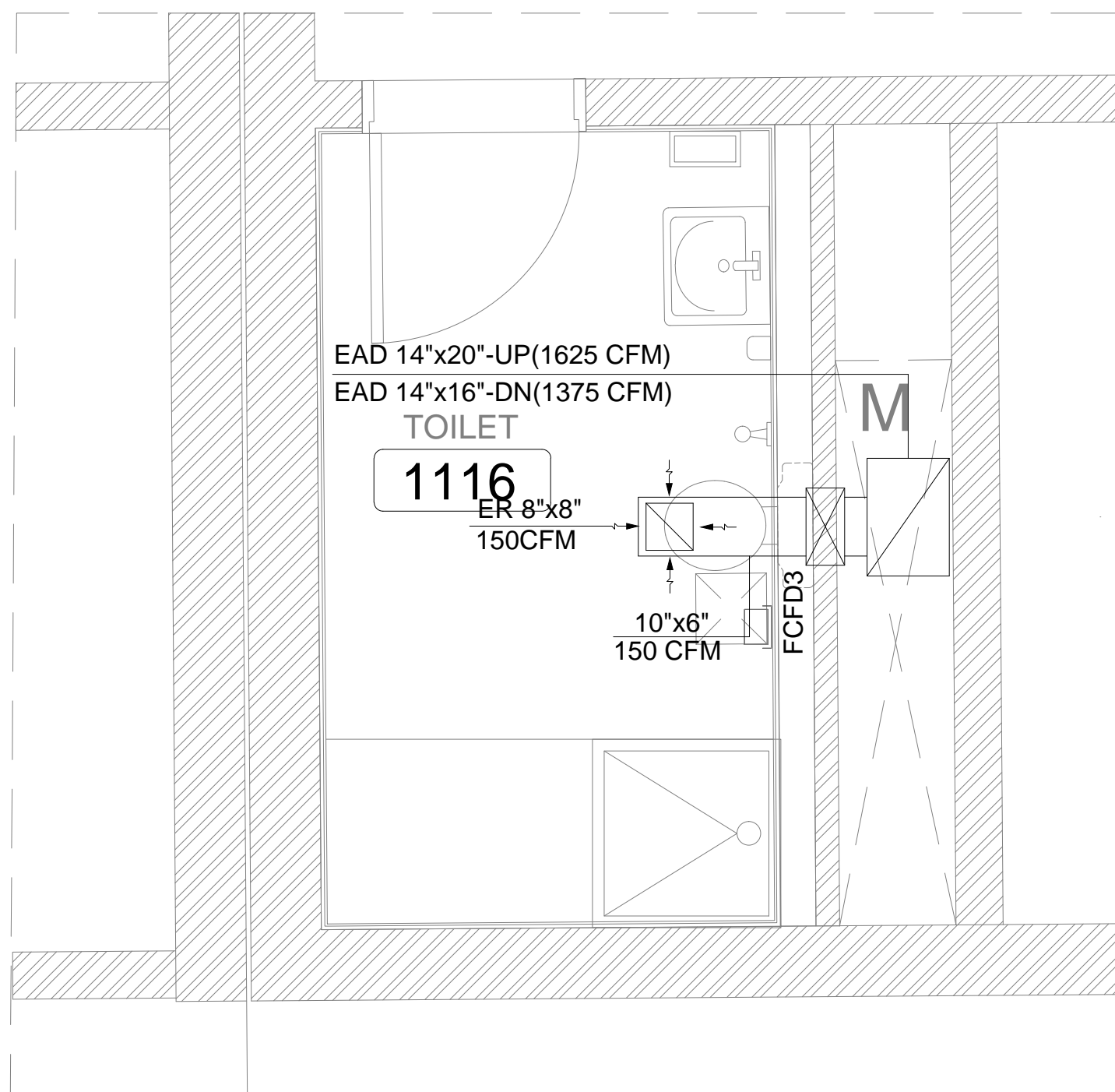
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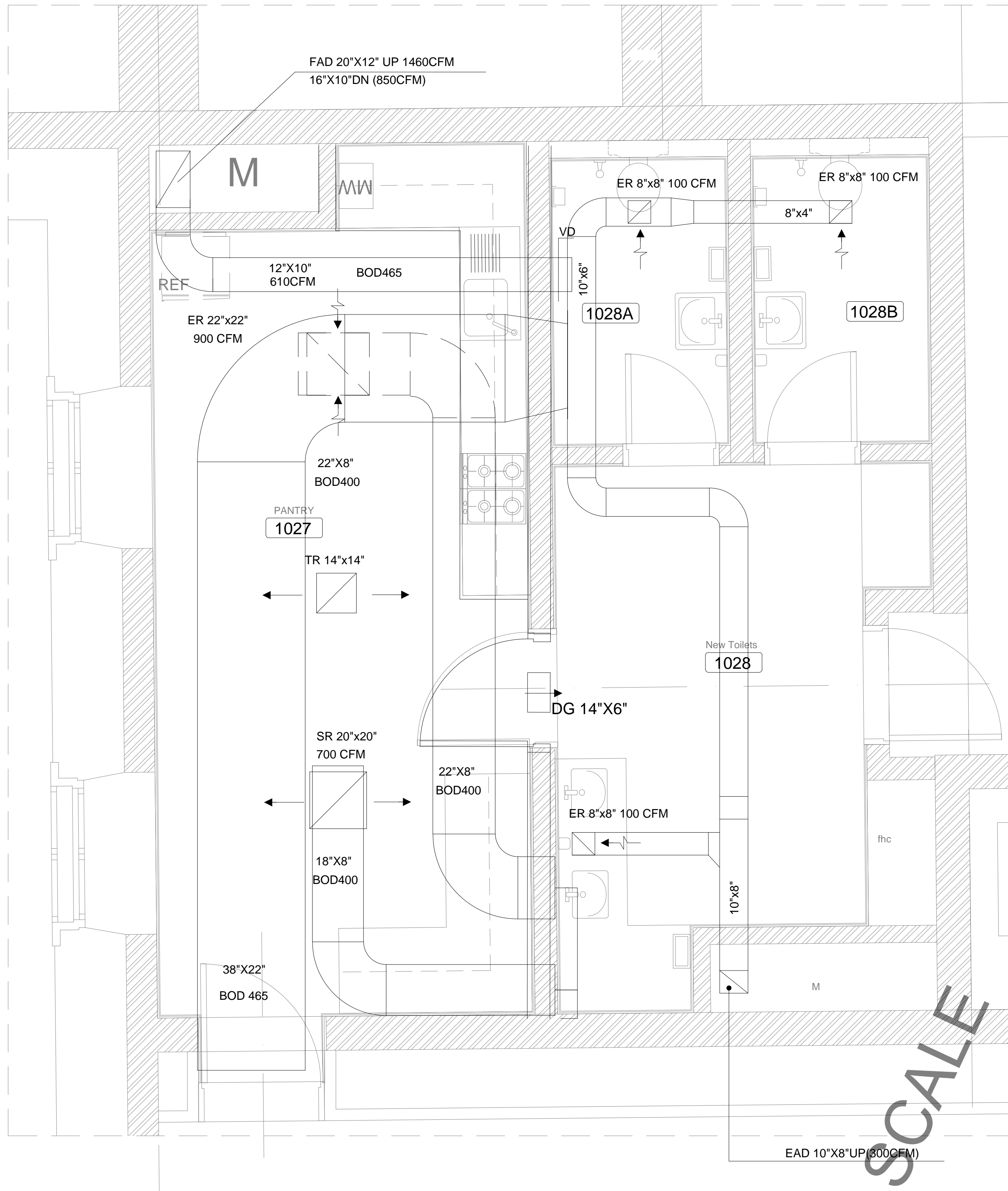
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OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

A.CHEHAB architects & engineers

Beirut office: Tel: 01-800316 - 800117 Fax: 01-800315
Saida office: Tel: 07-726004 Tel.Fax: 07-725118
Email: info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

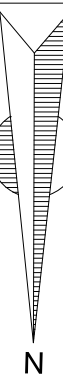
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L1202

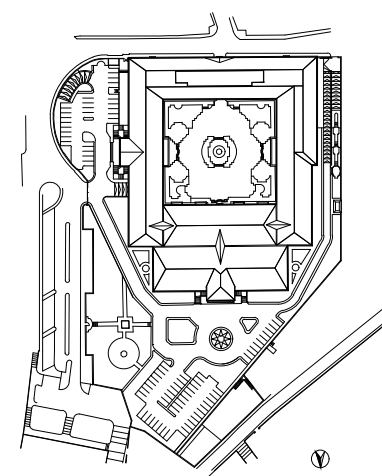
PROJECT LOCATION: Beirut - Lebanon

NOTES:

NORTH:



KEY PLAN:



SCALE

1/25

DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: .BS

APPROVED BY :AC

SHEET TITLE

Wet Areas
HVAC Layout (4/5)

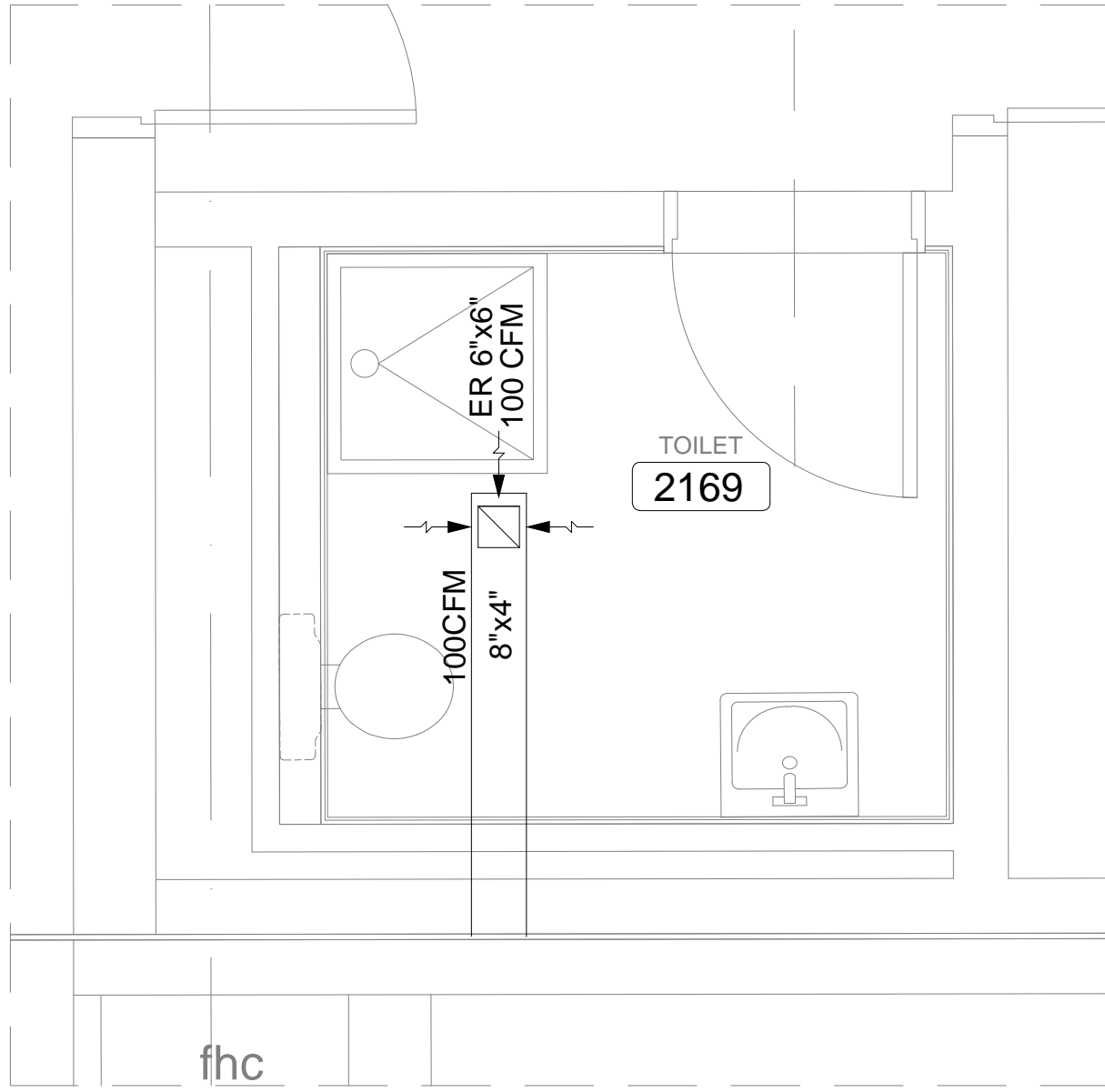
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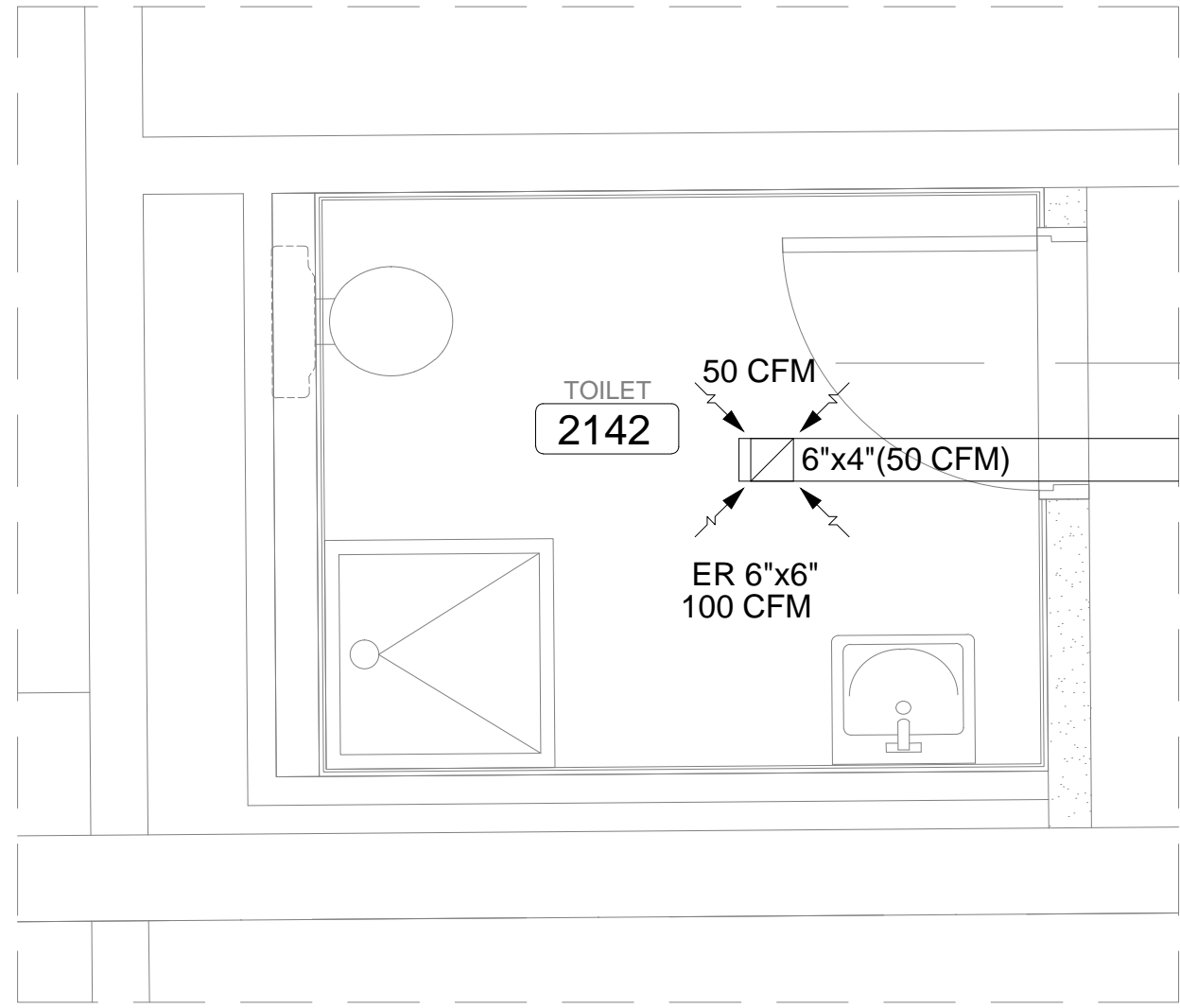
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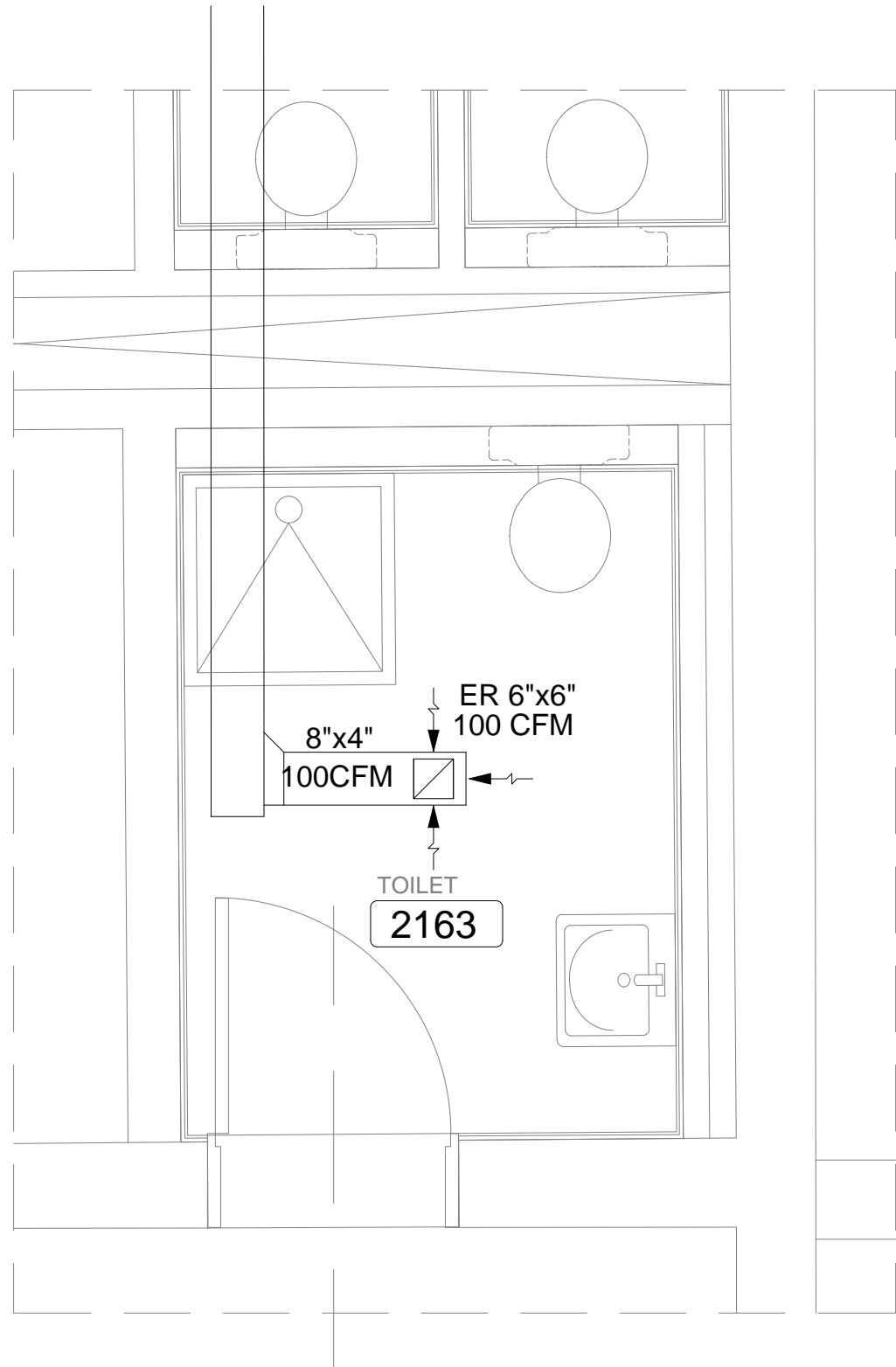
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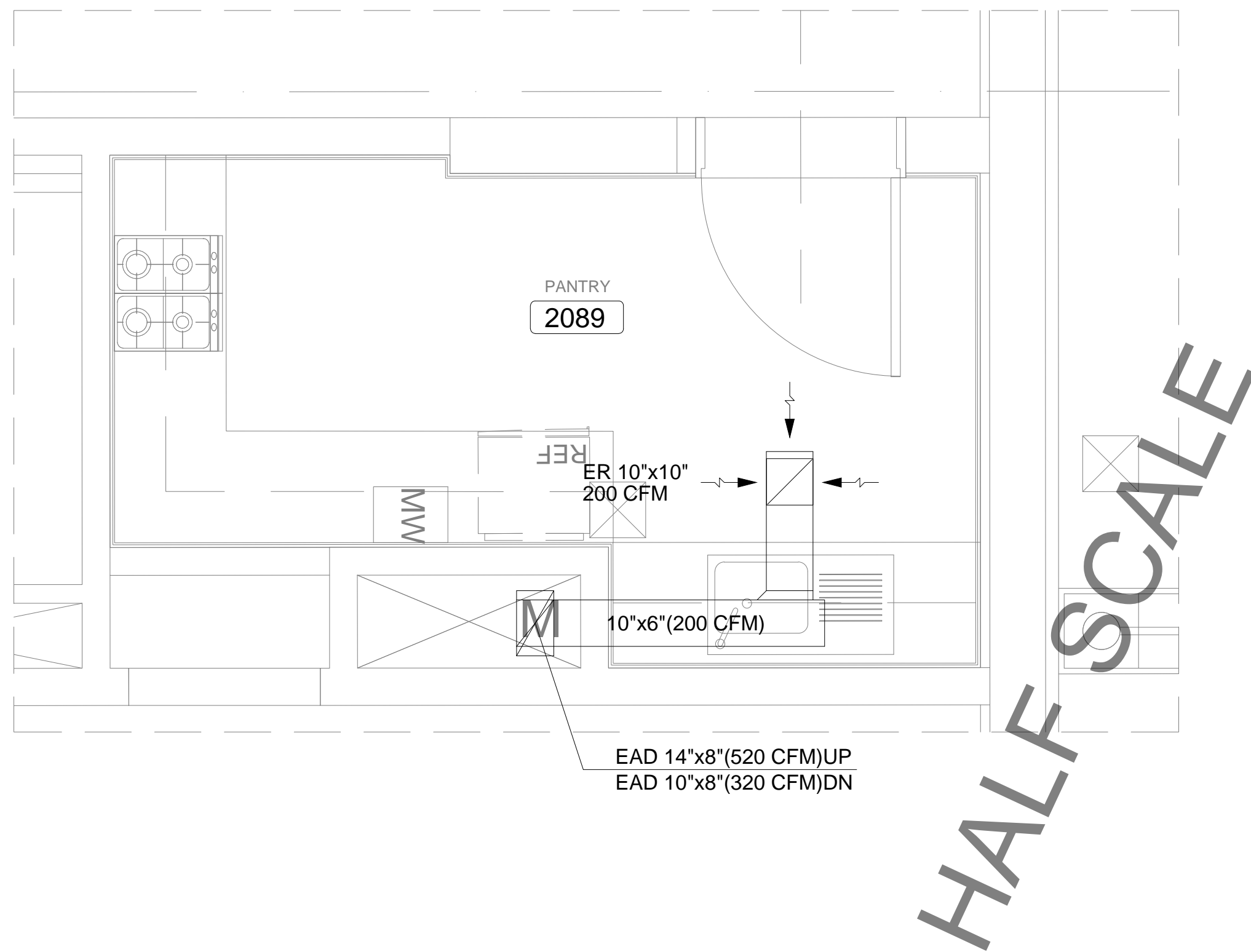
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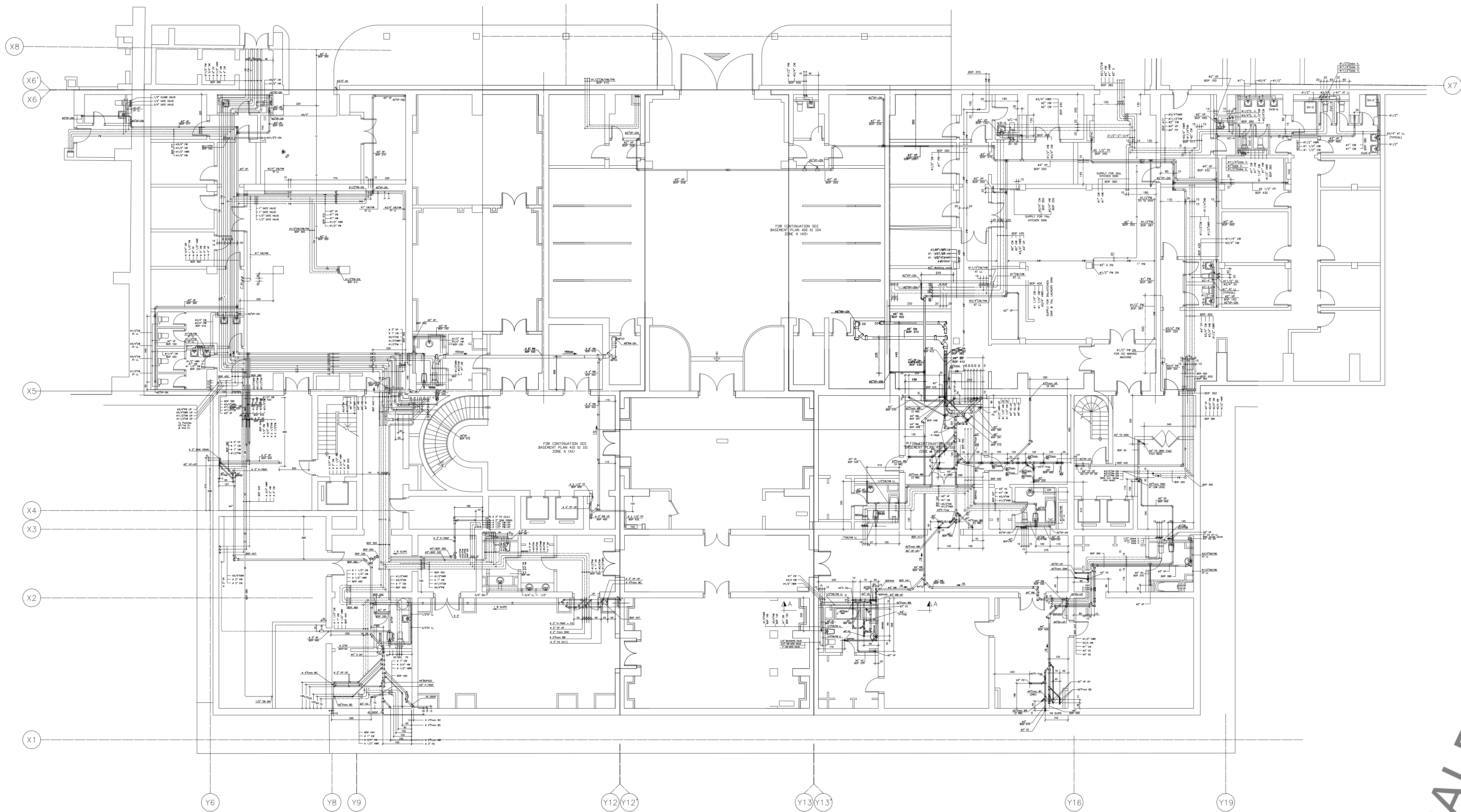


3



1

OWNER NAME:	
CLIENT:	
CONSULTANT OFFICE : A.CHEHAB architects & engineers Beirut office: Tel: 01-680316 - 802017 Fax: 01-680315 Saida office: Tel: 07-726004 Tel.Fax: 07-725118 Email: info@LDRS-CD.com	
PROJECT NAME: REHABILITATION OF GRAND SERAIL	CODE No: L1202
PROJECT LOCATION: Beirut - Lebanon	
NOTES:	
NORTH: 	
KEY PLAN: 	
SCALE 1/25	
DATE: May 2022	
DRAWN BY: BM - MD	
DESIGNED BY: BM - MD	
CHECKED BY: BS	
APPROVED BY: AC	
SHEET TITLE Wet Areas HVAC Layout (5/5)	
SHEET NO. L1202-CD-M-404-A1	Revision NO. 00



HALF SCALE

OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

ACHEHABarchitects & engineers

Beirut office Tel: 01-809316 - 809317 Fax : 01-809315
Doha office Tel: 07-726004 Telfax : 07-725118
Email : info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

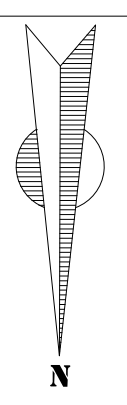
CODE No:

L1202

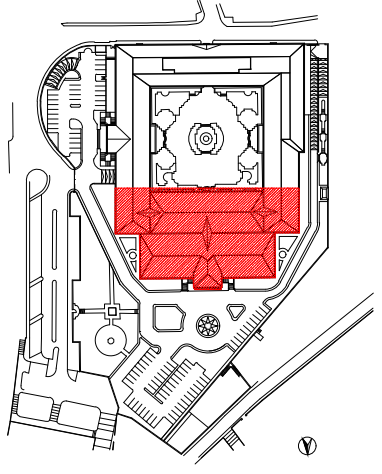
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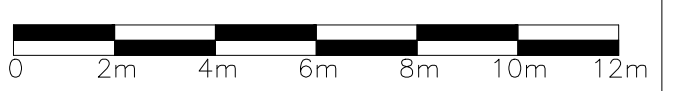
NORTH:



KEY PLAN:



SCALE BAR



DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: BS

APPROVED BY: AC

SHEET TITLE

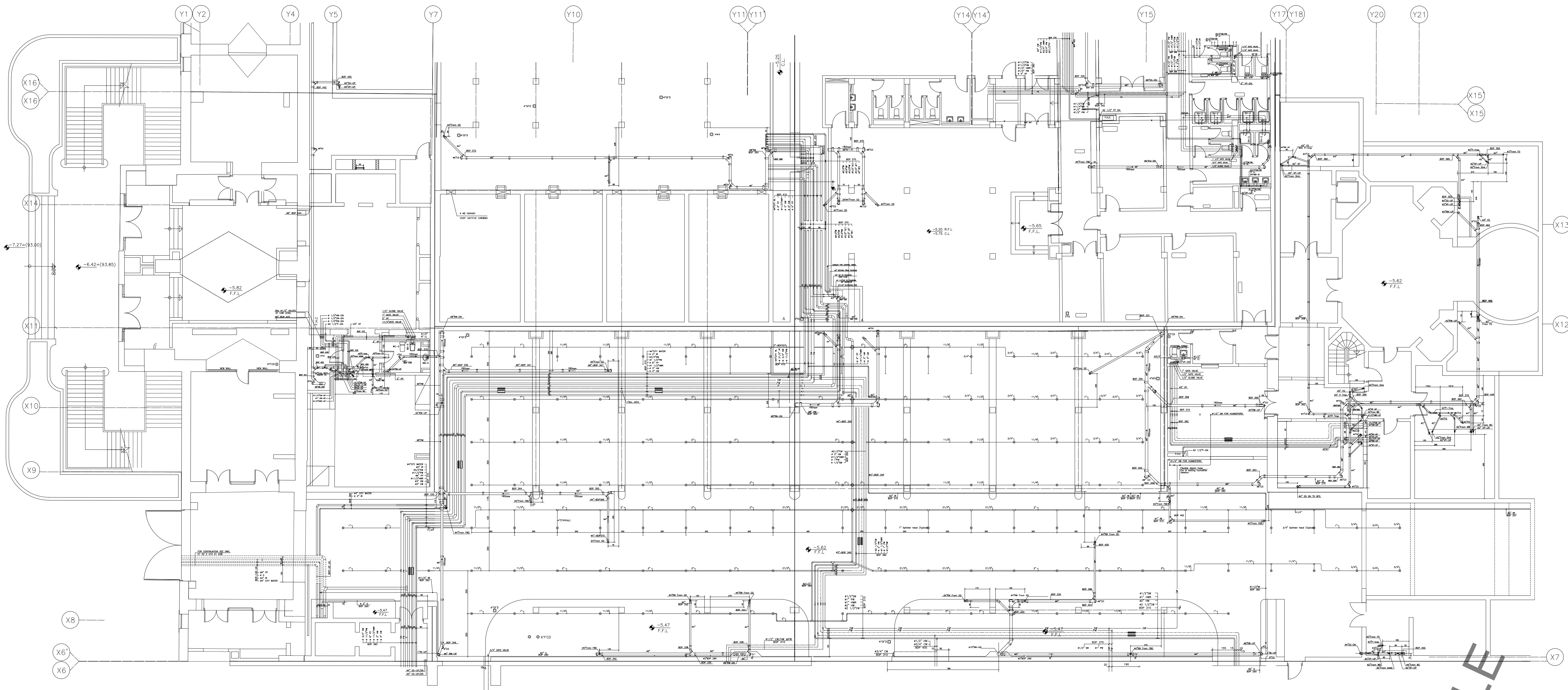
Basement Floor
Plumbing Layout - Zone A

SHEET NO.

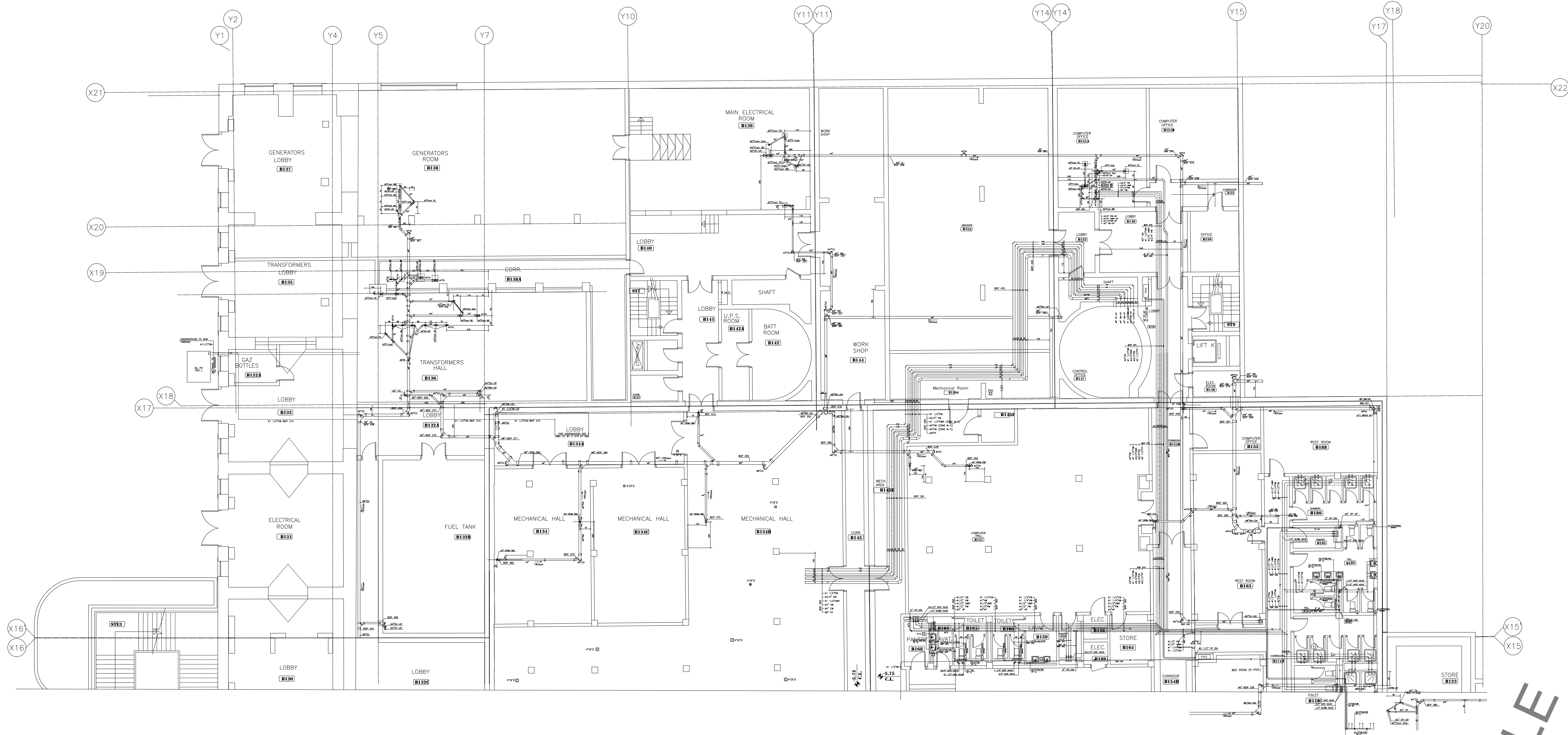
L1202-CD-M-500-A1

Revision NO.

00



00



OWNER NAME:



CLIENT:



CONSULTANT OFFICE :
ACHEHABarchitects & engineers

Beirut office Tel: 01-609316 - 809317 Fax : 01-609315
Doha office Tel: 07-726004 Telfax : 07-725118
Email : info@LDRS-CD.com

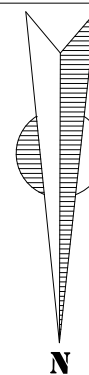
PROJECT NAME:
**REHABILITATION OF
GRAND SERAIL**

CODE No:
L1202

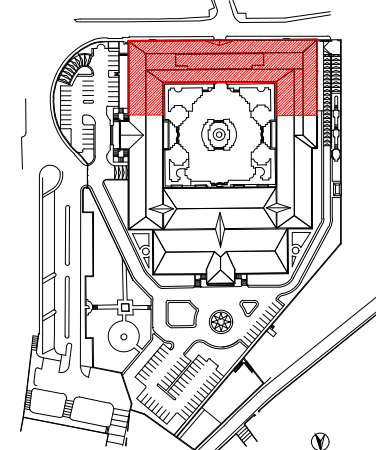
PROJECT LOCATION: Beirut - Lebanon

NOTES:

NORTH:



KEY PLAN:



SCALE BAR



DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: .BS

APPROVED BY: .AC

SHEET TITLE

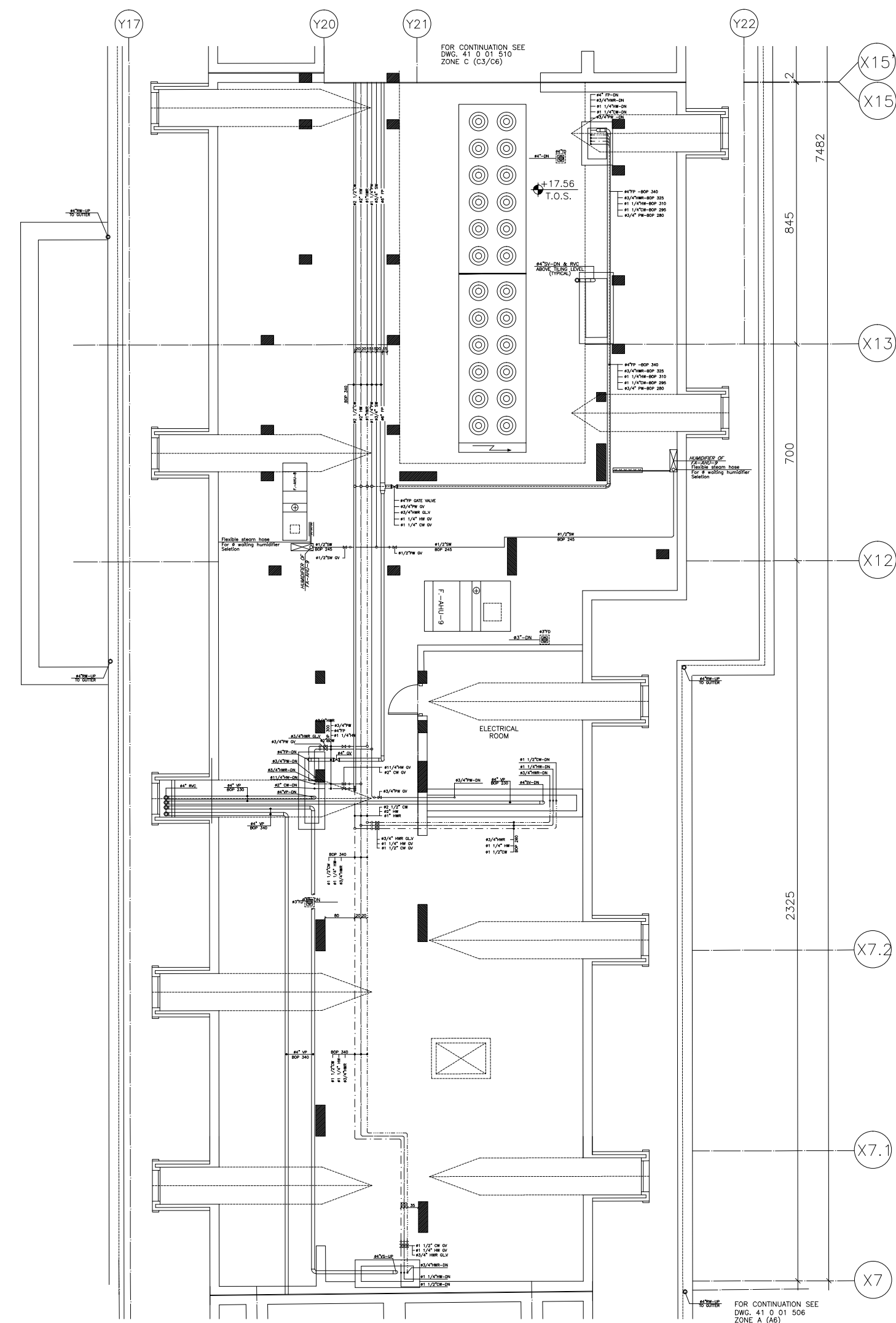
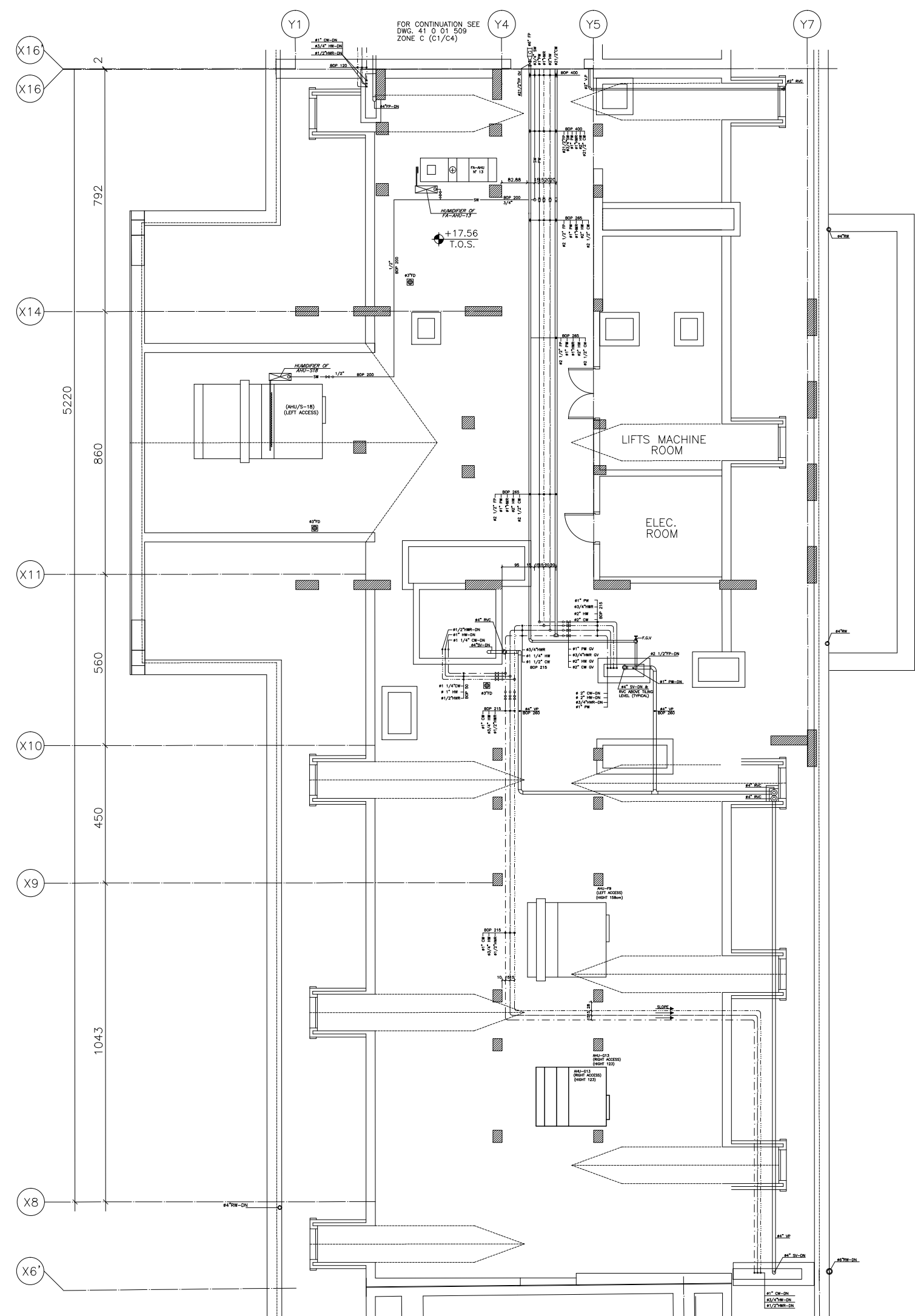
**Basement Floor
Plumbing Layout - Zone C**

SHEET NO.

L1202-CD-M-502-A1

Revision NO.

00



HALF SCALE

OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

ACHEHABarchitects & engineers

Beirut office Tel: 01-809316 - 809317 Fax : 01-809315
Saida office Tel: 07-726004 Telfax : 07-725118
Email : info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

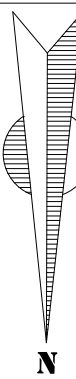
CODE No:

L1202

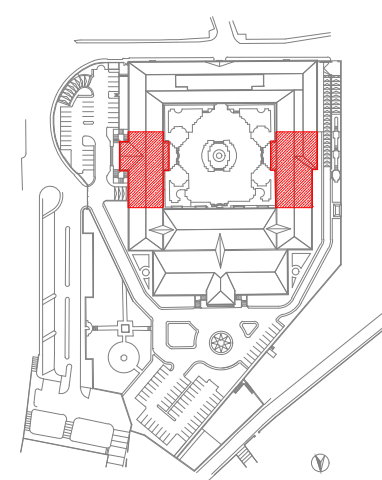
PROJECT LOCATION: Beirut - Lebanon

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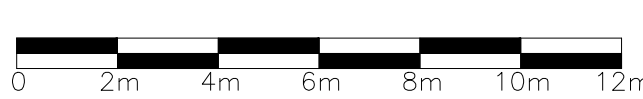
NORTH:



KEY PLAN:



SCALE BAR



DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: BS

APPROVED BY: AC

SHEET TITLE

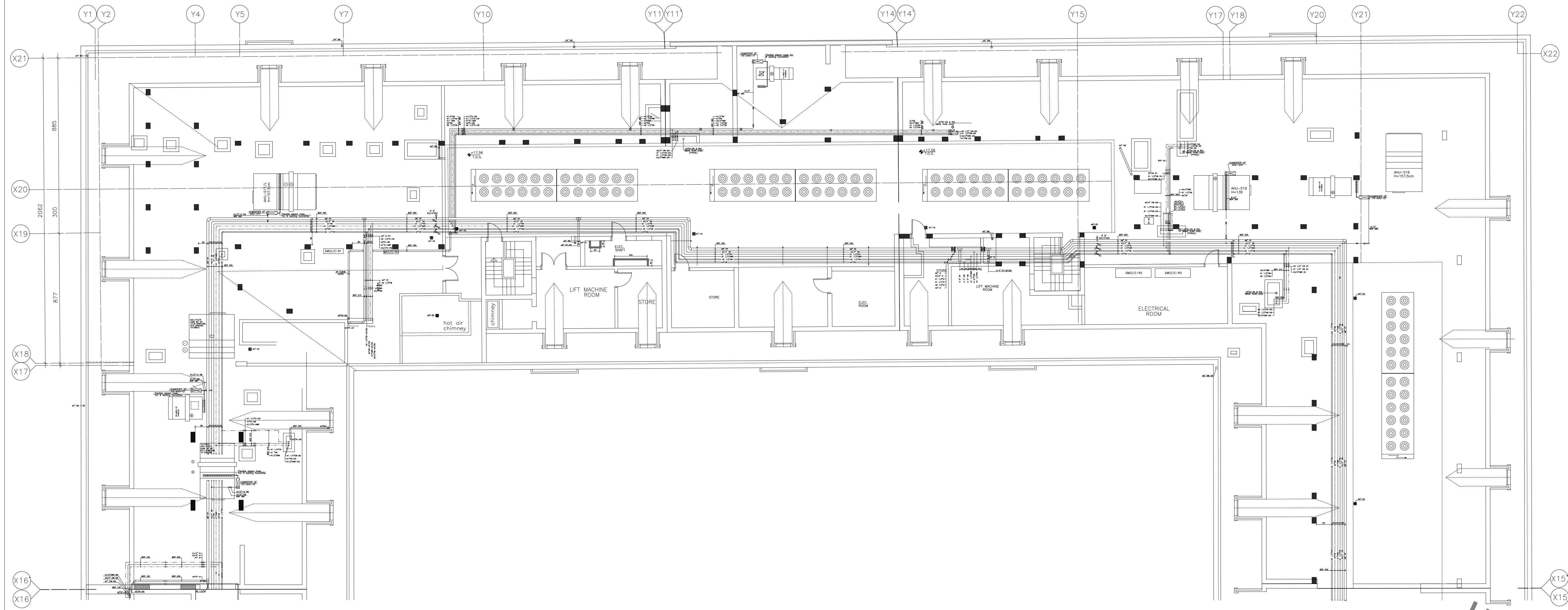
Roof Floor
Plumbing Layout - Zone B

SHEET NO.

L1202-CD-M-504-A1

Revision NO.

00



OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

ACHEHABarchitects & engineers

Beirut office Tel: 01-809316 - 809317 Fax : 01-809315
Saida office Tel: 07-726004 Telfax : 07-725118
Email : info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

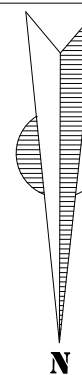
CODE No:

L1202

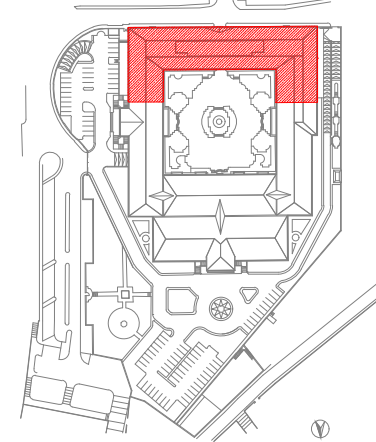
PROJECT LOCATION: Beirut - Lebanon

NOTES:

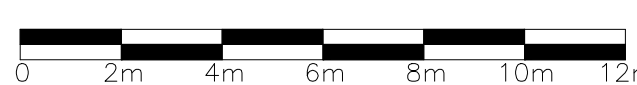
NORTH:



KEY PLAN:



SCALE BAR



DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: .BS

APPROVED BY :AC

SHEET TITLE

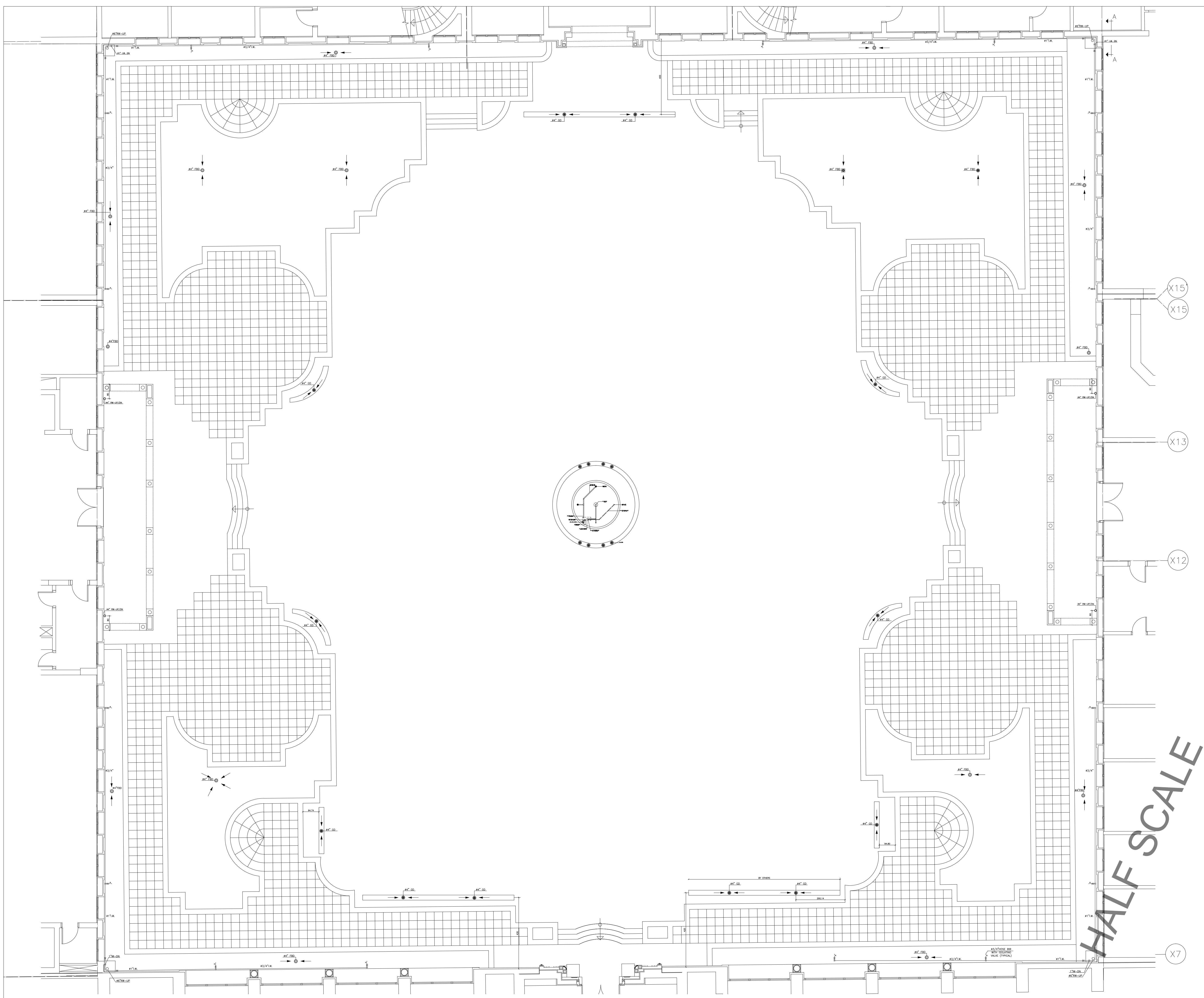
Roof Floor
Plumbing Layout - Zone C

SHEET NO.

L1202-CD-M-505

Revision NO.

00



OWNER NAME:



CLIENT:



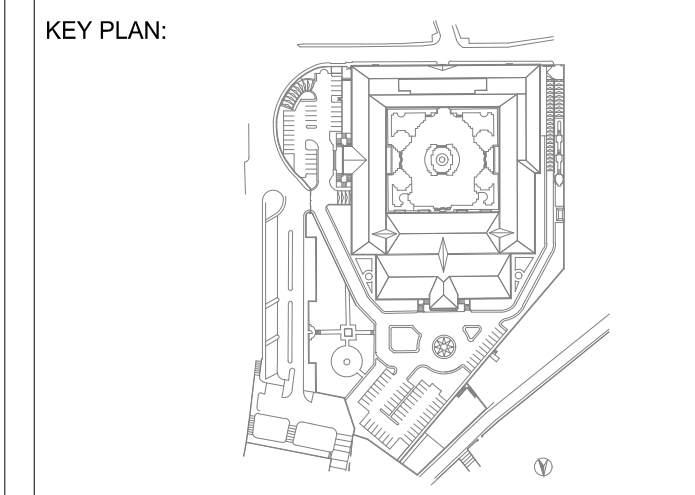
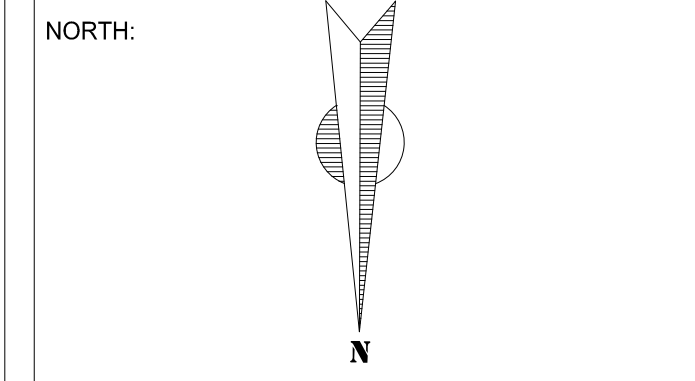
CONSULTANT OFFICE :
ACHEHABarchitects & engineers
Beirut office Tel: 01-809316 - 809317 Fax : 01-809315
Saida office Tel: 07-726004 Telfax : 07-725118
Email : info@LDRS-CD.com

PROJECT NAME:
**REHABILITATION OF
GRAND SERAIL**

CODE No:
L1202

PROJECT LOCATION: Beirut - Lebanon

NOTES:



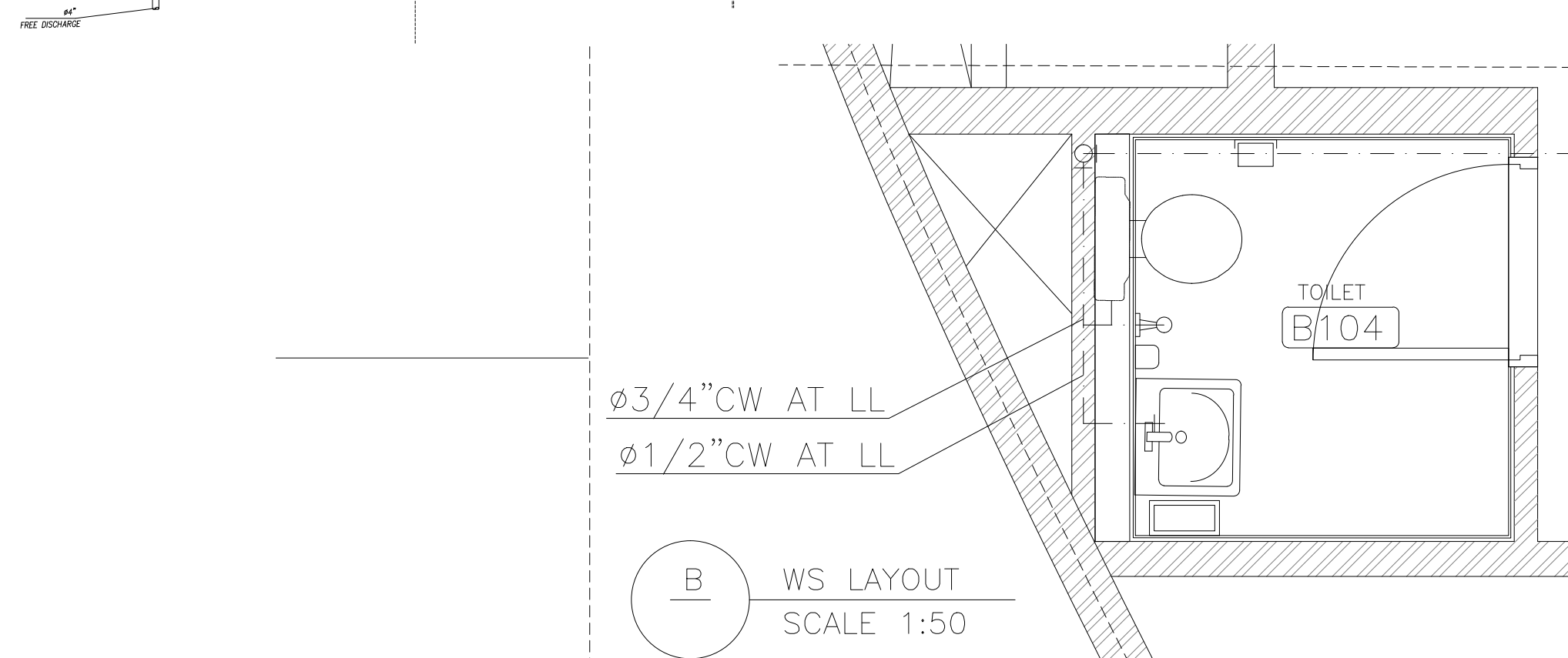
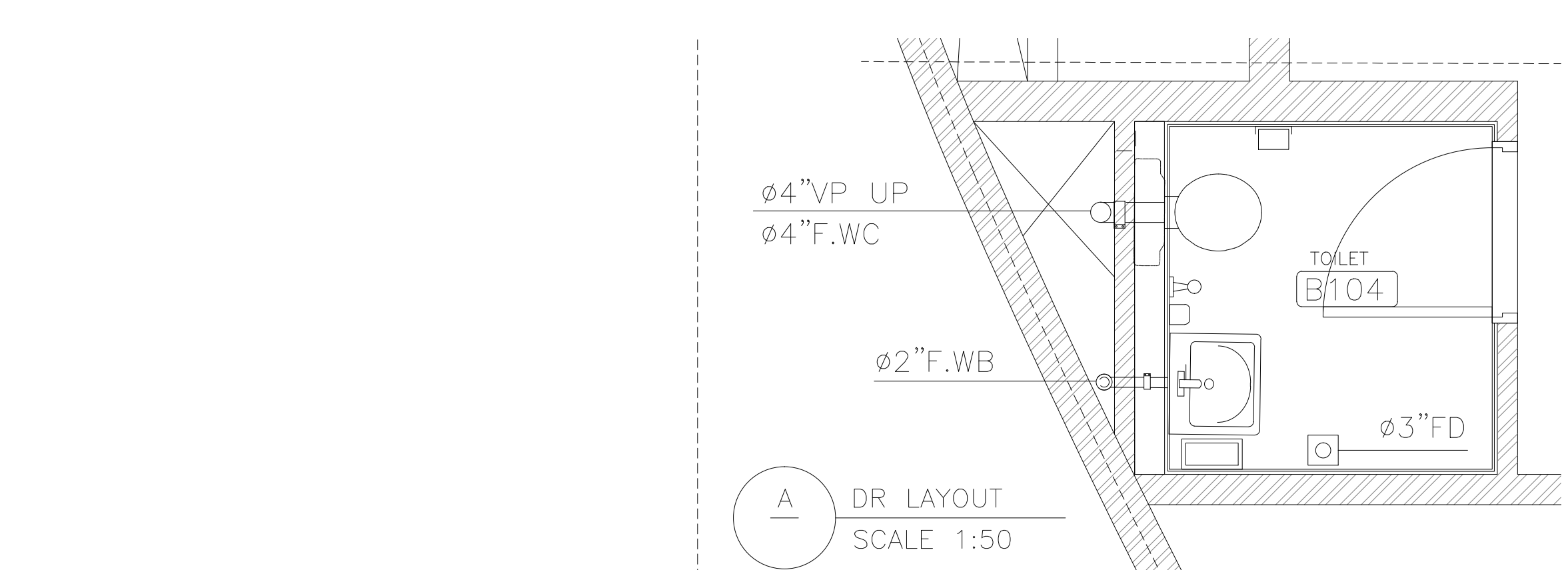
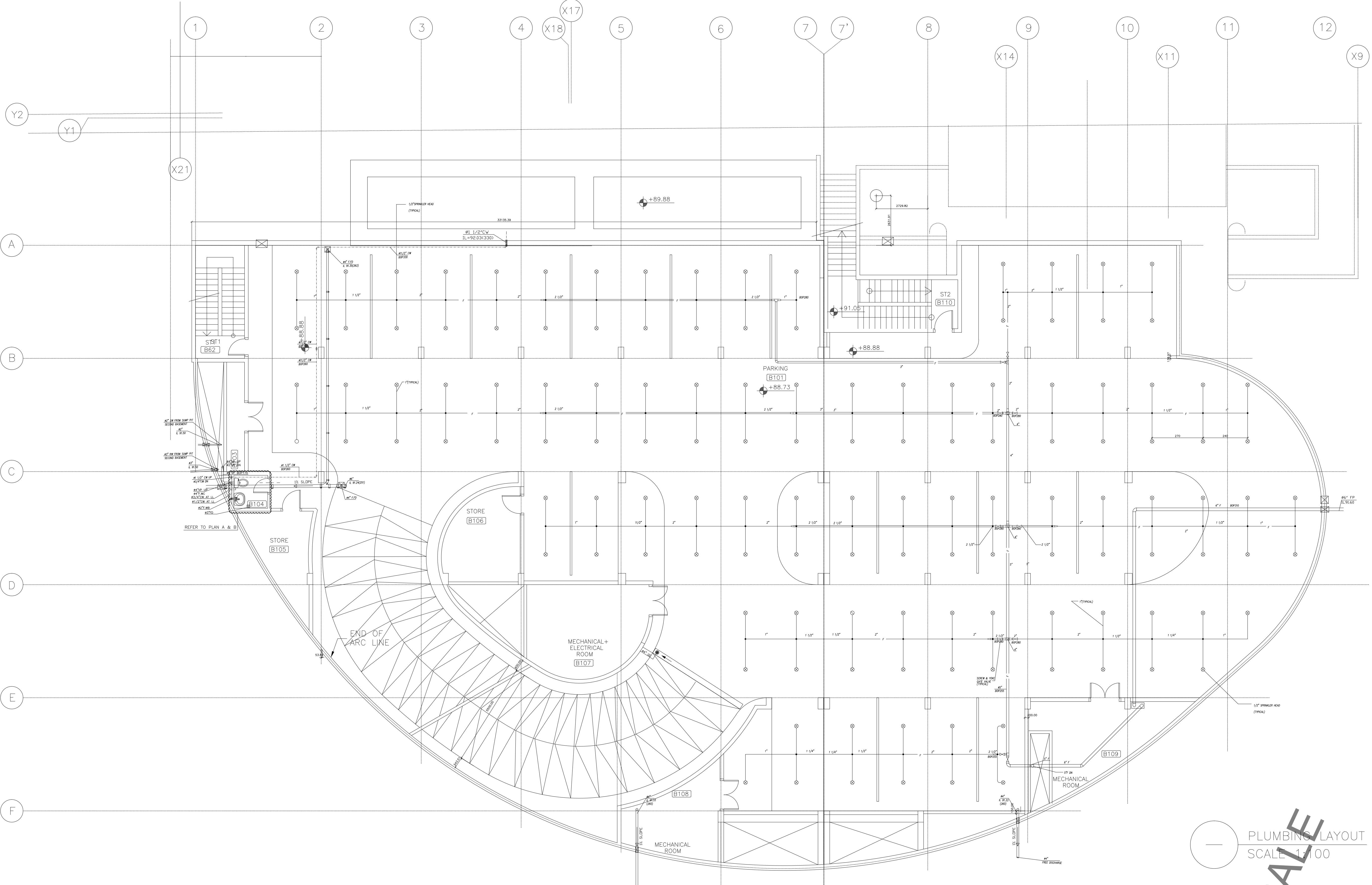
SCALE
1/100

DATE: May 2022
DRAWN BY: BM - MD
DESIGNED BY: BM - MD
CHECKED BY: BS
APPROVED BY: AC

SHEET TITLE
**Internal Court
Plumbing Layout**

SHEET NO.
L1202-CD-M-506-A1

Revision NO.
00



OWNER NAME:



CLIENT:



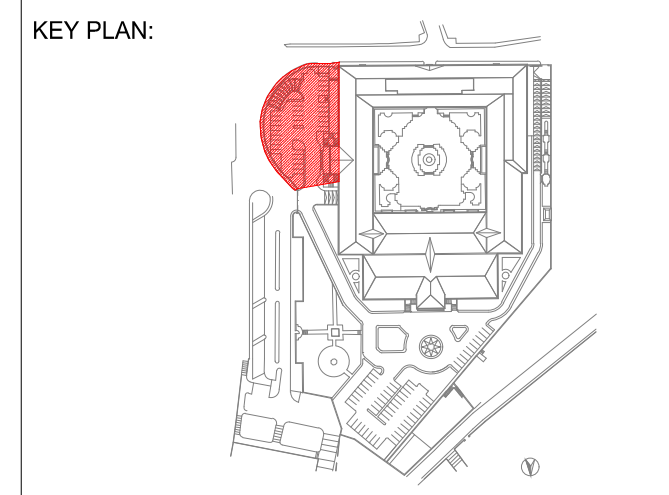
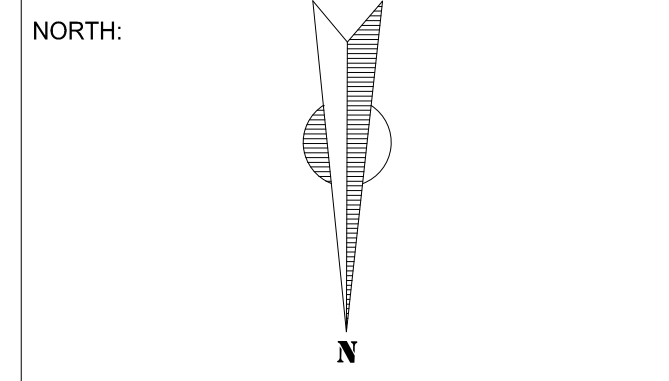
CONSULTANT OFFICE:
ACHEHABarchitects & engineers
Beirut office Tel: 01-809316 - 809317 Fax: 01-809315
Saida office Tel: 07-726004 Telfax: 07-725118
Email: info@LDS-CD.com

PROJECT NAME:
**REHABILITATION OF
GRAND SERAIL**

CODE No:
L1202

PROJECT LOCATION: Beirut - Lebanon

NOTES:



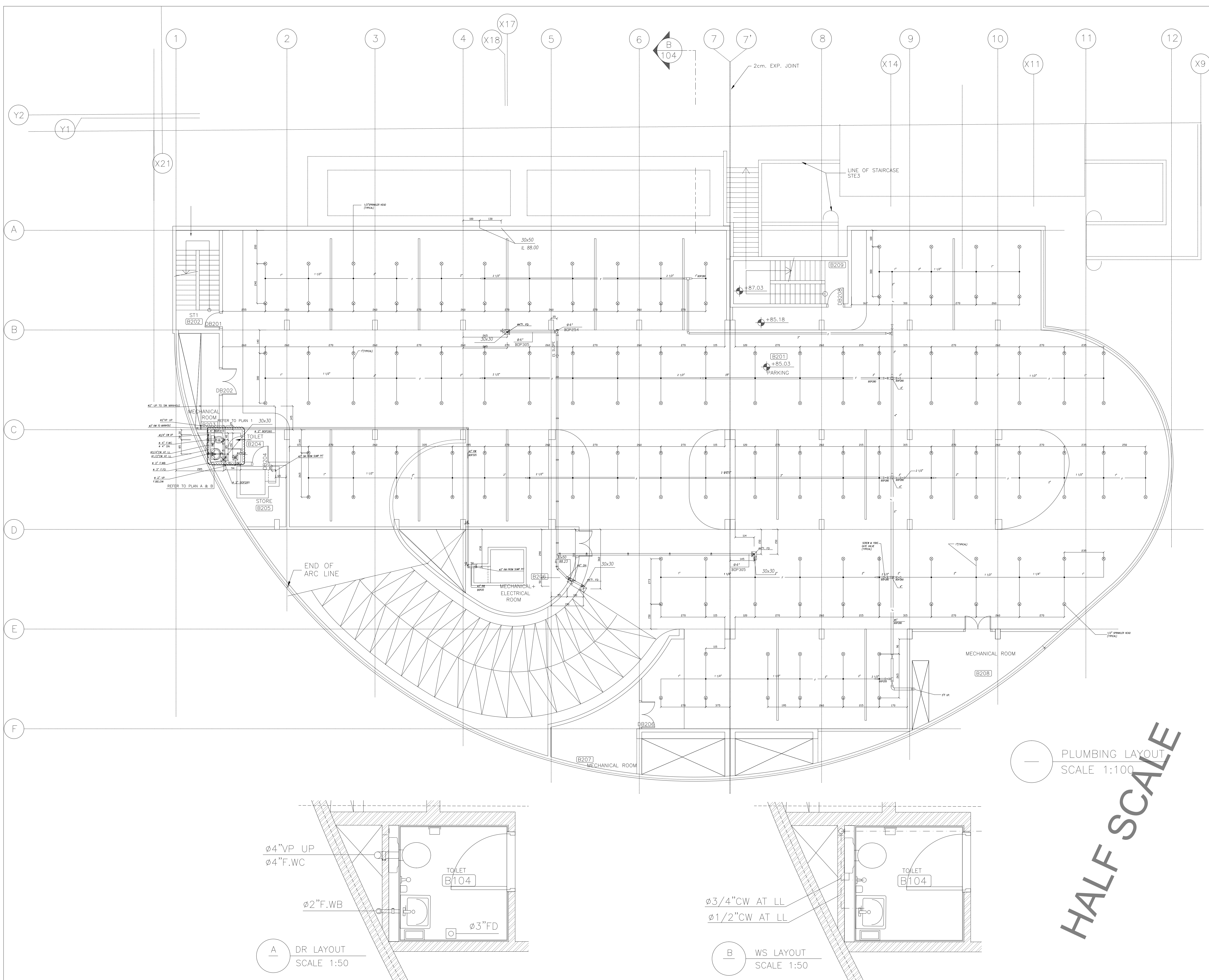
SCALE
AS

DATE: May 2022
DRAWN BY: BM - MD
DESIGNED BY: BM - MD
CHECKED BY: BS
APPROVED BY: AC

SHEET TITLE
**External Parking 1
Plumbing Layout**

SHEET NO.
L1202-CD-M-507-A1

Revision NO.
00



OWNER NAME:

CLIENT:

CONSULTANT OFFICE :

ACHEHABarchitects & engineers
Beirut office Tel: 01-809316 - 809317 Fax : 01-809315
Saida office Tel: 07-726004 TelFax : 07-725118
Email : info@LDPS-CD.com

PROJECT NAME :

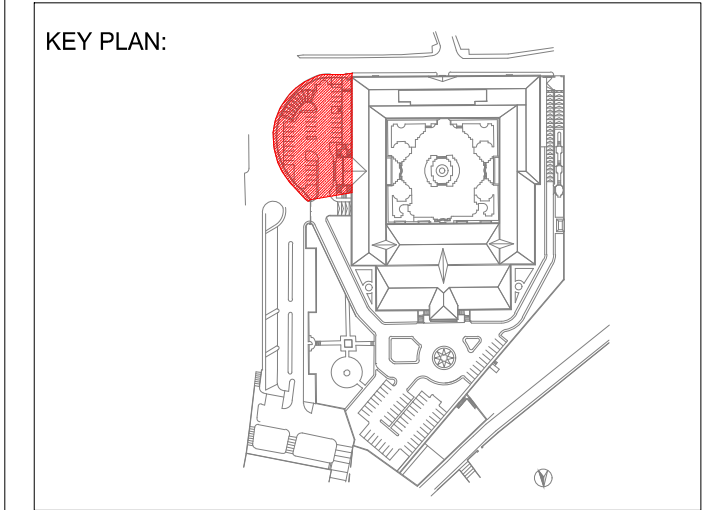
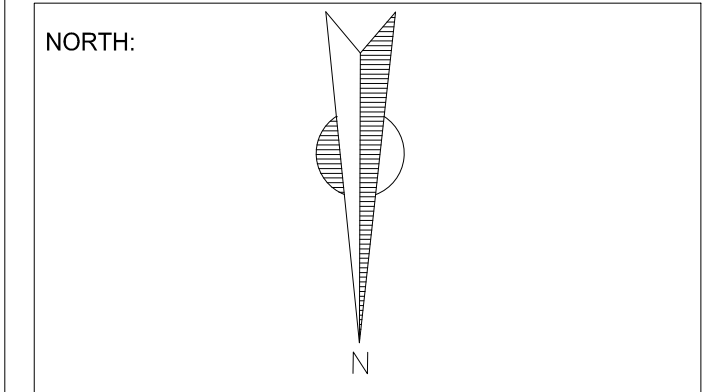
REHABILITATION OF
GRAND SERAIL

PROJECT LOCATION: Beirut - Lebanon

CODE No:

L1202

NOTES:



SCALE

AS

DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: .BS

APPROVED BY: .AC

SHEET TITLE

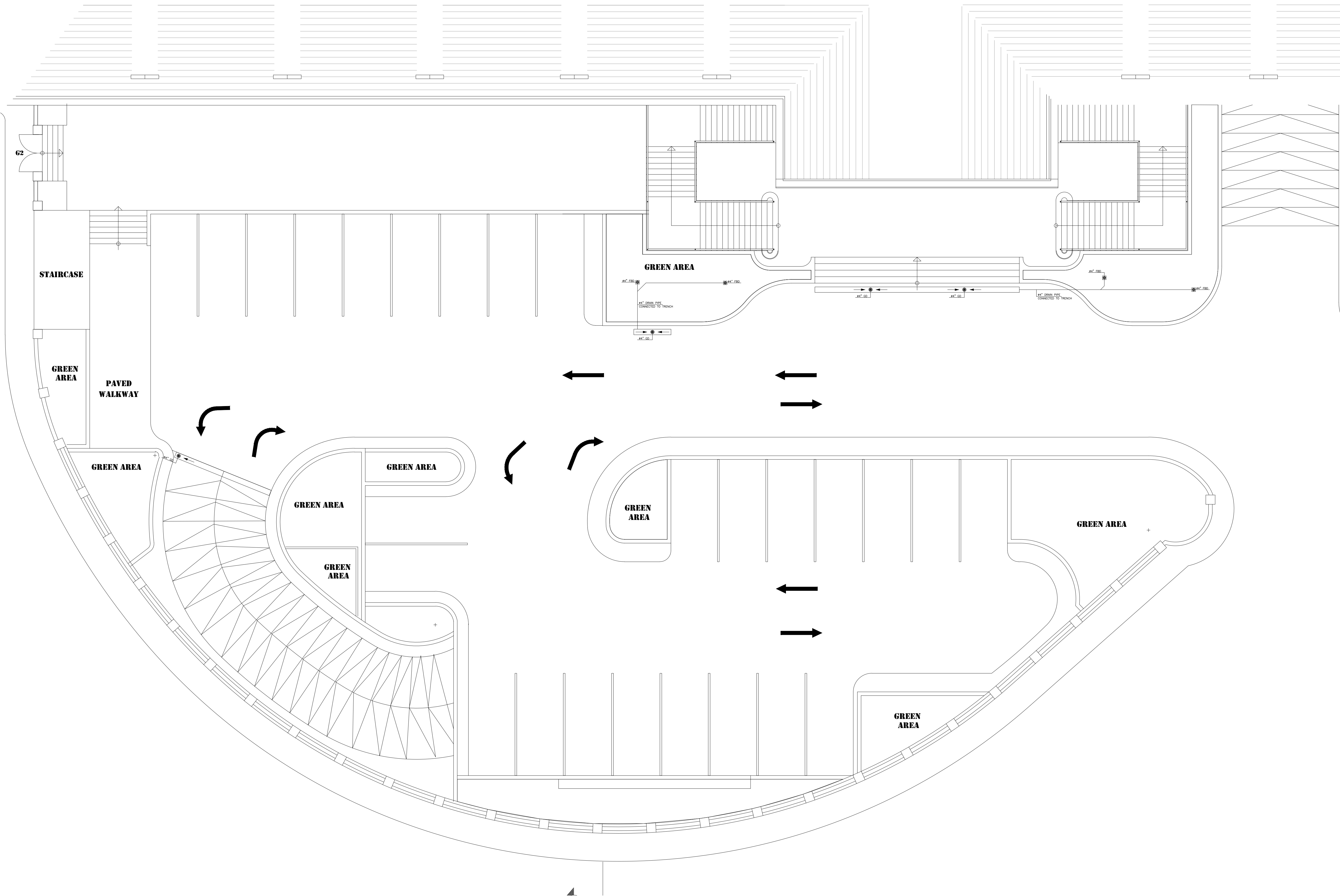
External Parking 2
Plumbing Layout

SHEET NO.


L1202-CD-M-508-A1

Revision NO.


00



OWNER NAME:




CLIENT:



CONSULTANT OFFICE :

ACHEHABarchitects & engineers

 Beirut office Tel: 01-809316 - 809317 Fax : 01-809315
Saida office Tel: 07-726004 Telfax : 07-725118
Email : info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL


PROJECT LOCATION: Beirut - Lebanon

CODE No:

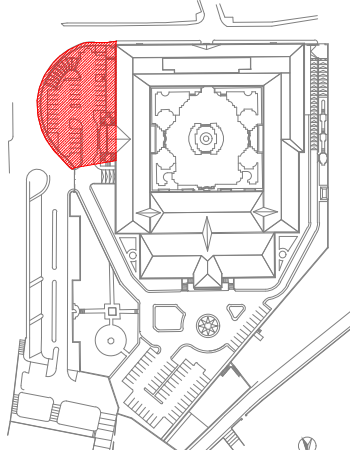
L1202

NOTES:

NORTH:


N

KEY PLAN:



SCALE

1/100

DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: .BS

APPROVED BY :AC

SHEET TITLE

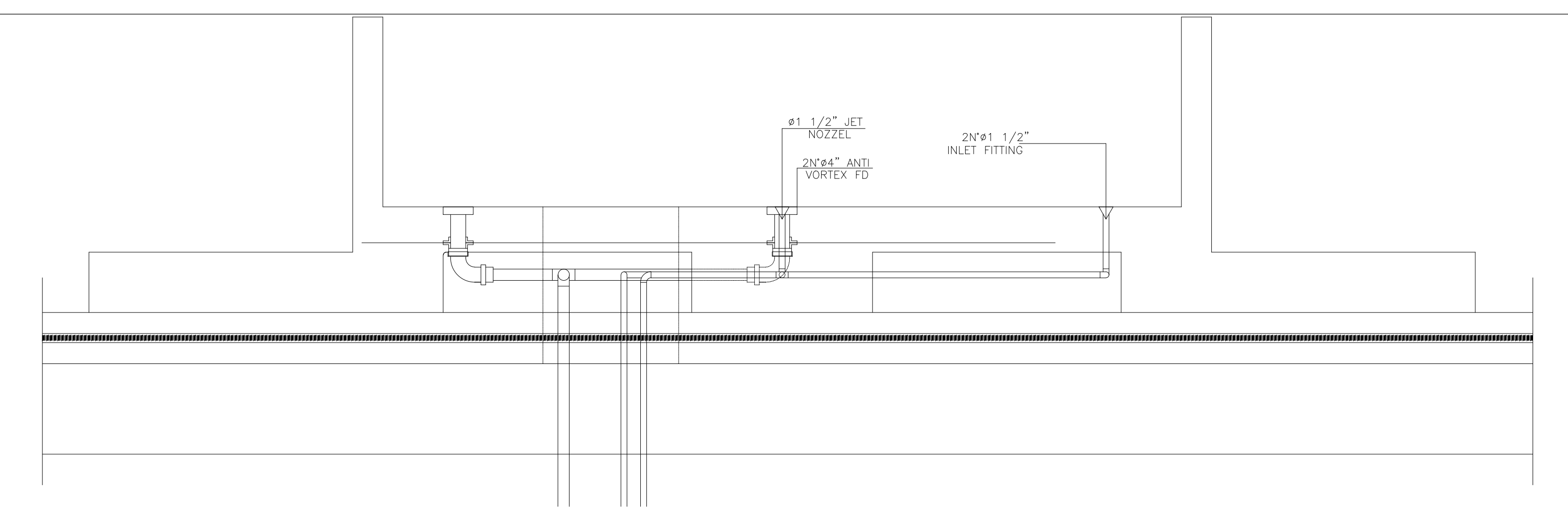
External Court
Plumbing Layout

SHEET NO.

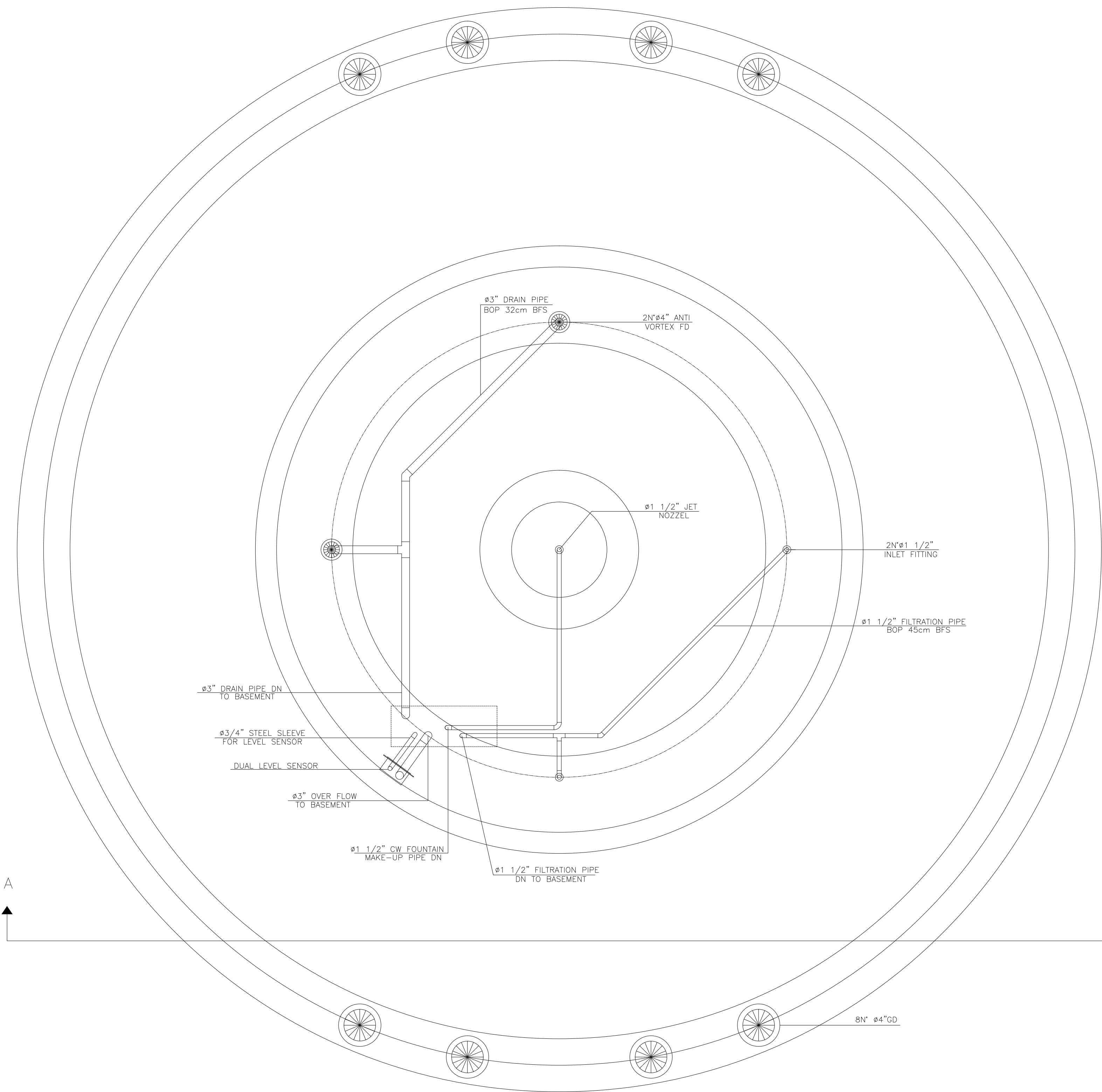
L1202-CD-M-509-A1

Revision NO.

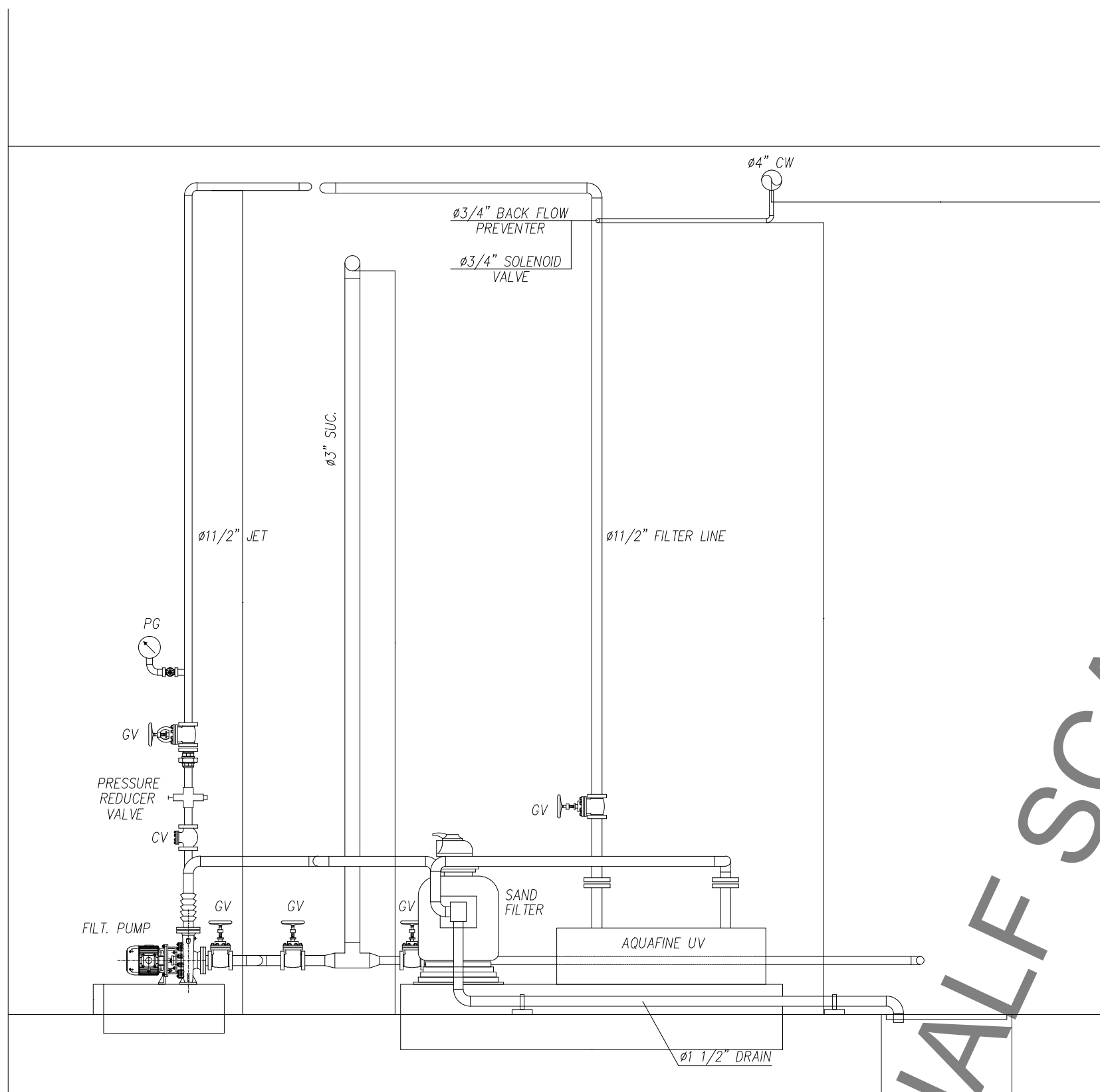
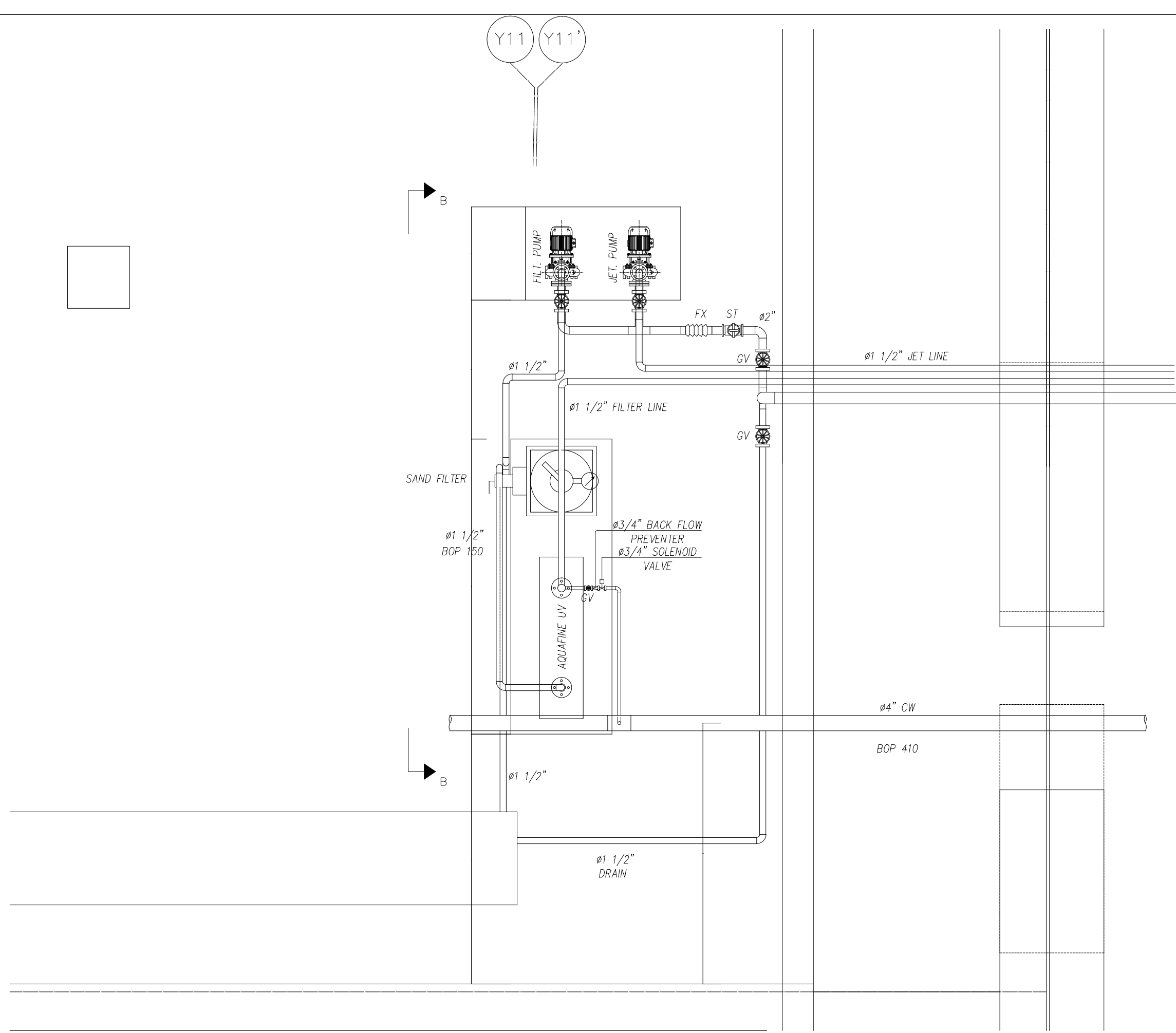
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SECTION A-A



X14



SECTION B-B

HALF SCALE

OWNER NAME:



CLIENT:



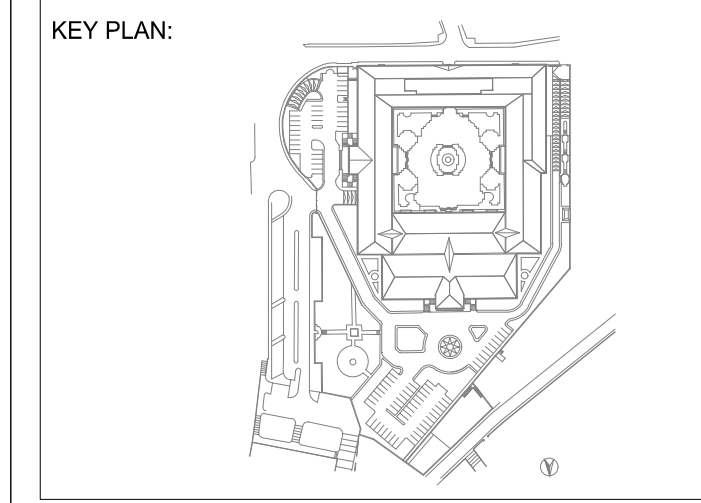
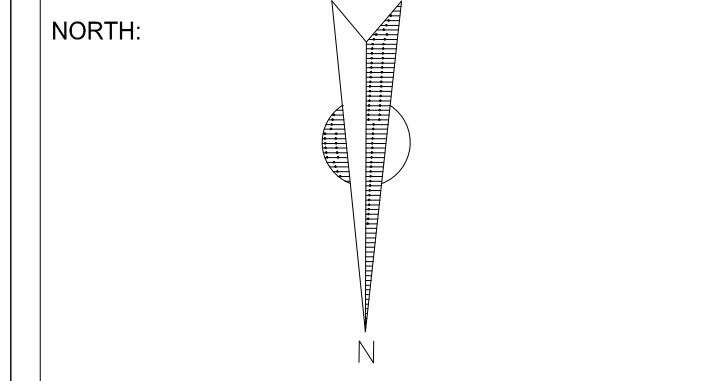
CONSULTANT OFFICE :
ACHEHABarchitects & engineers
Beirut office Tel: 01-809316 - 809317 Fax : 01-809315
Saida office Tel: 07-726004 Telfax : 07-725118
Email : info@LDRS-CD.com

PROJECT NAME:
**REHABILITATION OF
GRAND SERAIL**

CODE No:
L1202

PROJECT LOCATION: Beirut - Lebanon

NOTES:



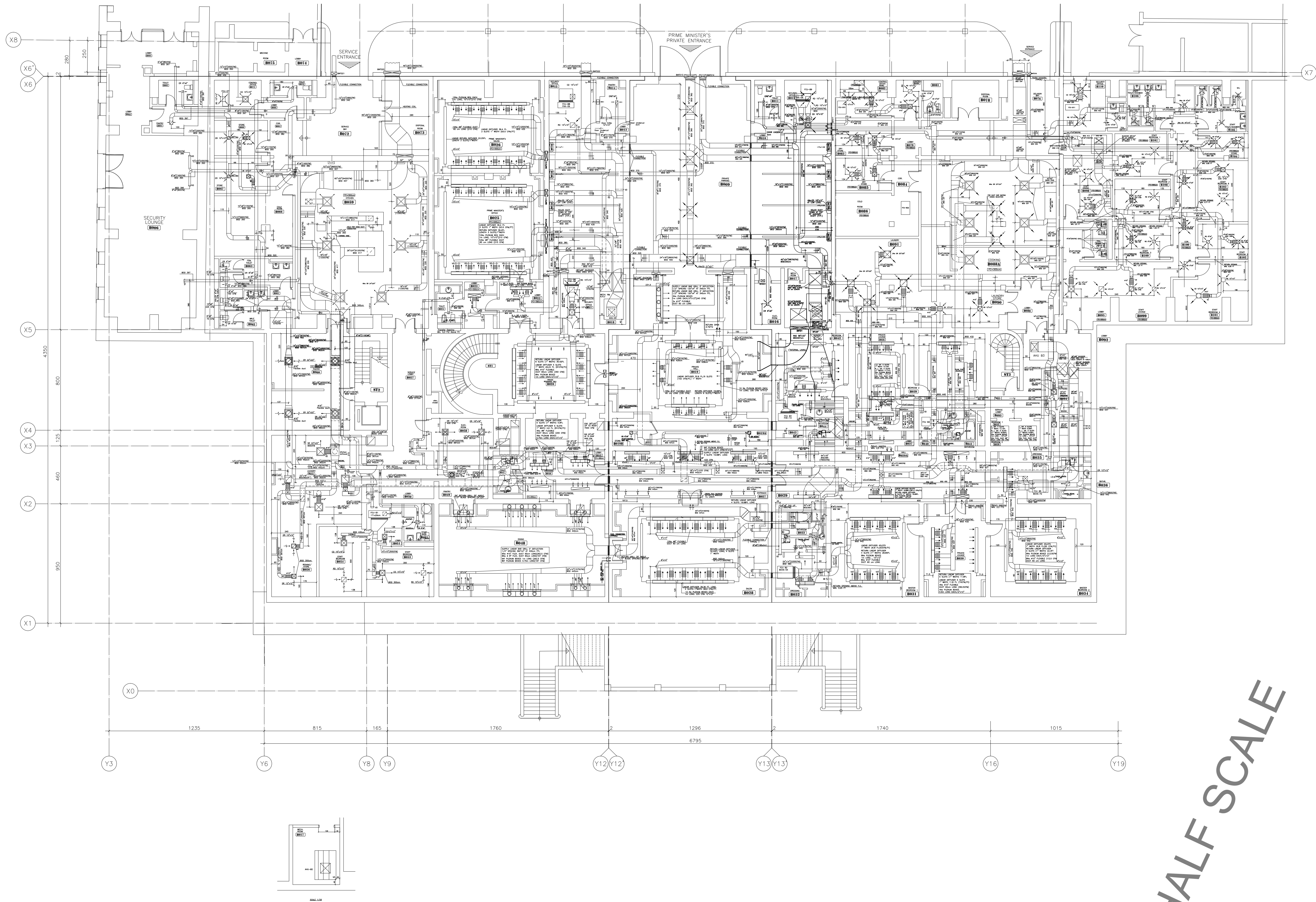
SCALE
1/25

DATE: May 2022
DRAWN BY: BM - MD
DESIGNED BY: BM - MD
CHECKED BY: BS
APPROVED BY: AC

SHEET TITLE
Fountain Plumbing Layout

SHEET NO.
L1202-CD-M-510-A1

Revision NO.
00



OWNER NAME:



CLIENT:



CONSULTANT OFFICE:

ACHEHABarchitects & engineers

Beirut office Tel: 01-809316 - 809317 Fax: 01-809315
Saida office Tel: 07-726004 Telfax: 07-725118
Email: info@ACHES-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

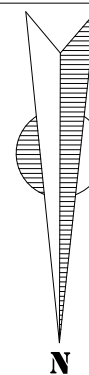
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L1202

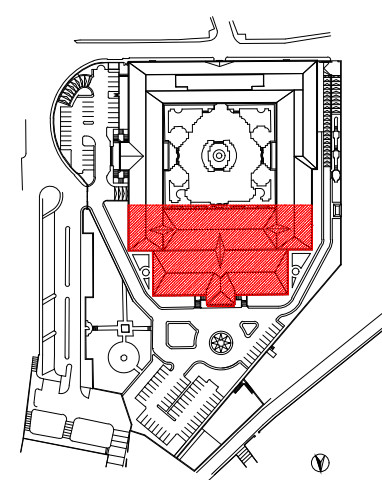
PROJECT LOCATION: Beirut - Lebanon

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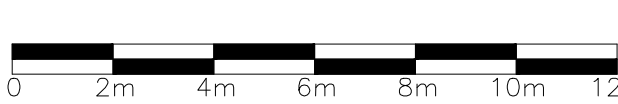
NORTH:



KEY PLAN:



SCALE BAR



DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: BS

APPROVED BY: AC

SHEET TITLE

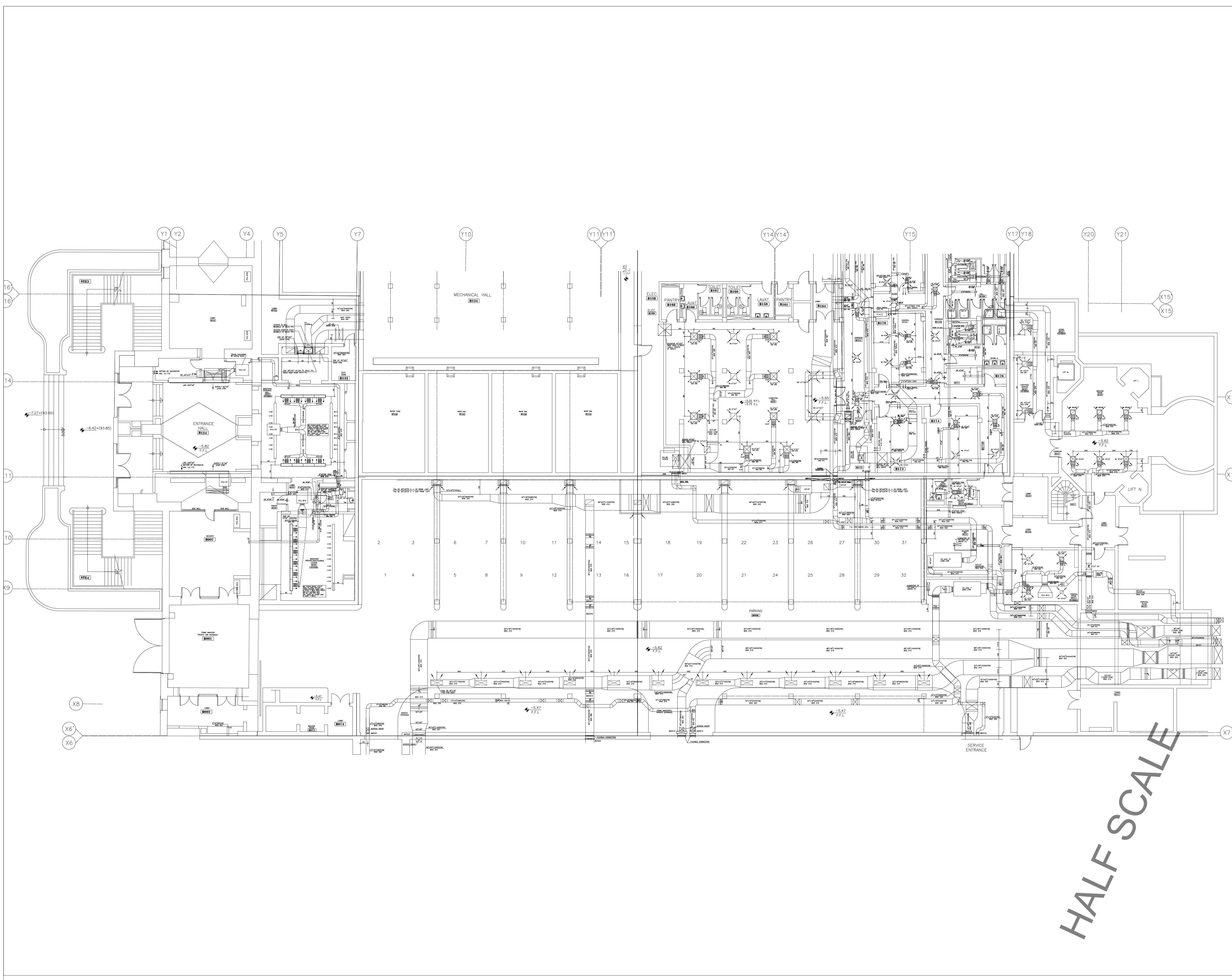
Basement Floor
HVAC Layout - Zone A

SHEET NO.


L1202-CD-M-600-A1

Revision NO.


00



OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

ACHEHABarchitects & engineers
Beirut office Tel: 01-809316 - 809317 Fax : 01-809315
Doha office Tel: 07-726004 TelFax : 07-725118
Email : info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

PROJECT LOCATION:

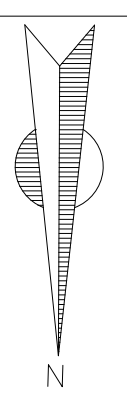
Beirut - Lebanon

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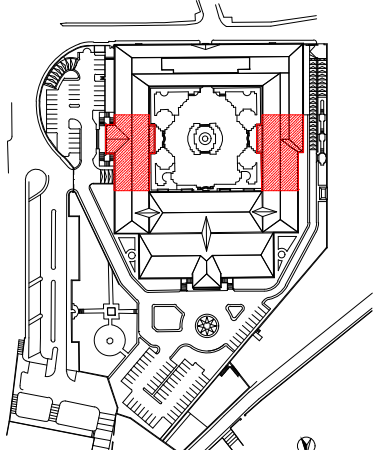
L1202

NOTES:


NORTH:



KEY PLAN:



SCALE BAR



DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: .BS

APPROVED BY: .AC

SHEET TITLE

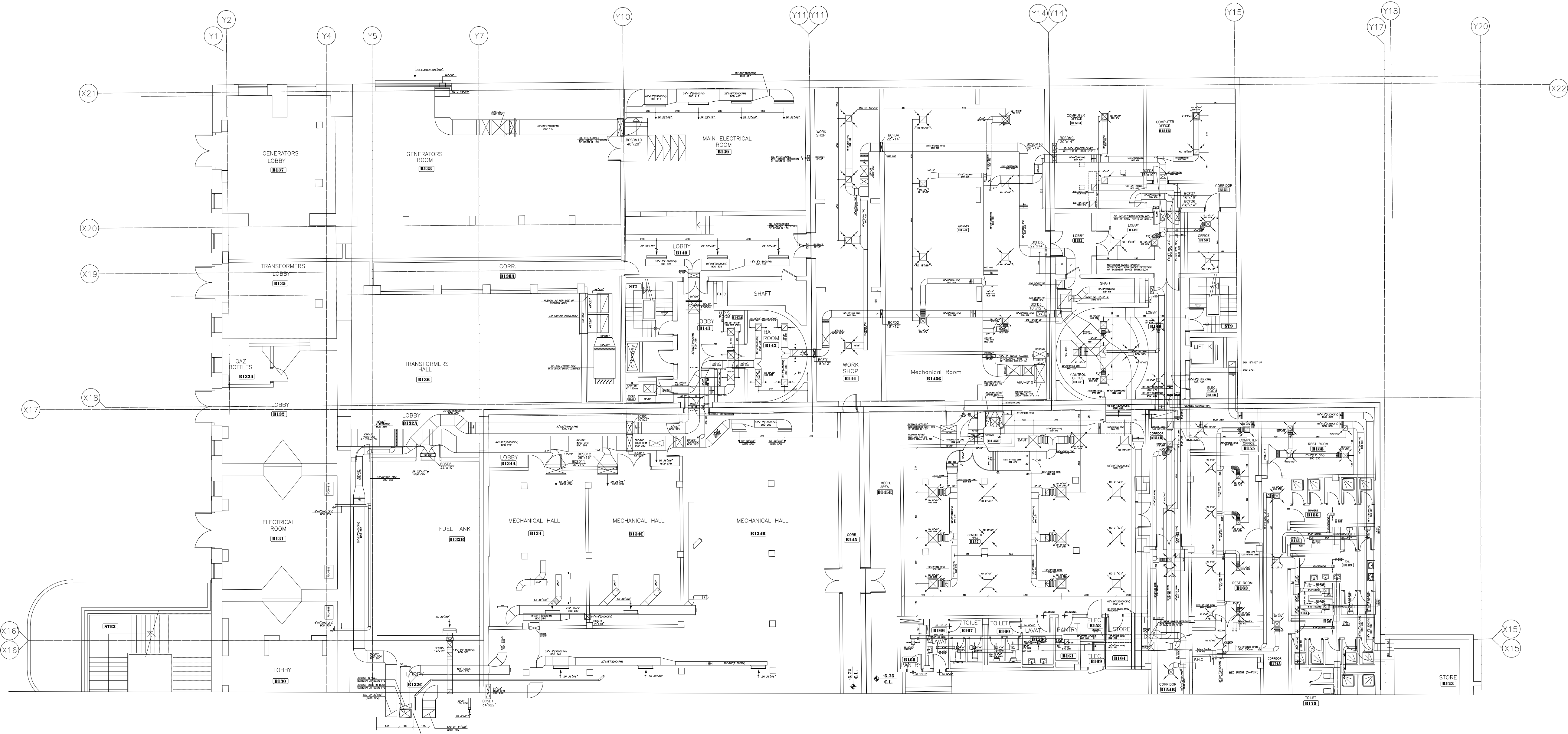
Basement Floor
HVAC Layout - Zone B

SHEET NO.

L1202-CD-M-601-A1

Revision NO.

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OWNER NAME:



CLIENT:



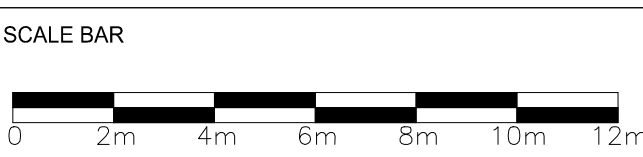
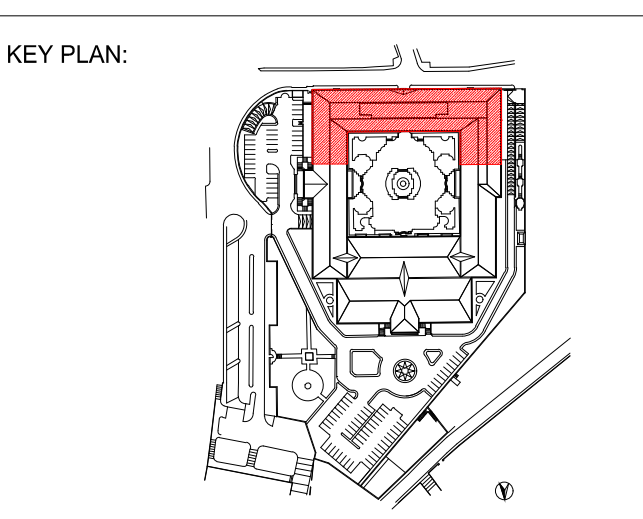
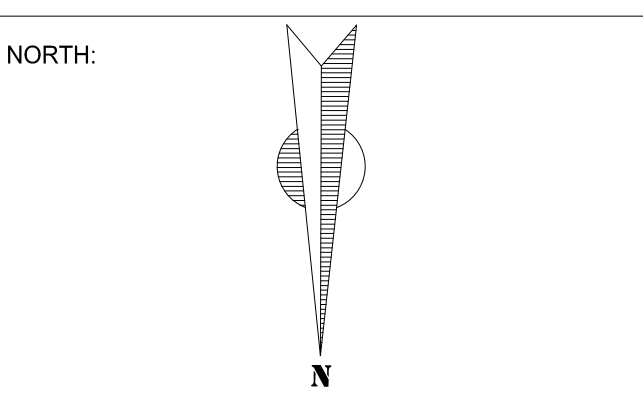
CONSULTANT OFFICE :
ACHEHABarchitects & engineers
Beirut office Tel: 01-609316 - 609317 Fax : 01-609315
Doha office Tel: 07-726004 TelFax : 07-725118
Email : info@LDRS-CD.com

PROJECT NAME :
**REHABILITATION OF
GRAND SERAIL**

PROJECT LOCATION: Beirut - Lebanon

CODE No:
L1202

NOTES:

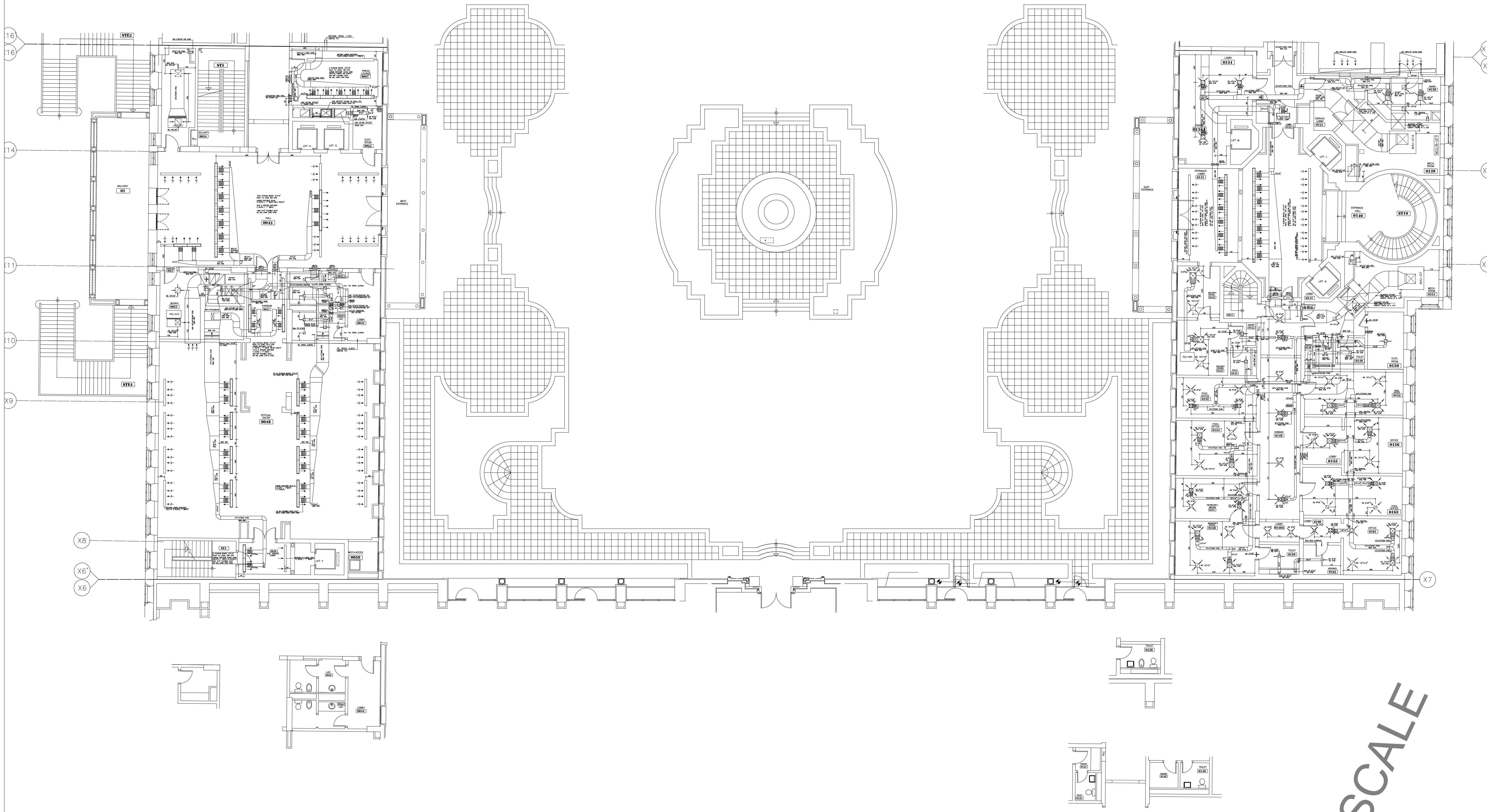


DATE: May 2022
DRAWN BY: BM - MD
DESIGNED BY: BM - MD
CHECKED BY: BS
APPROVED BY: AC


SHEET TITLE
**Basement Floor
HVAC Layout - Zone C**

SHEET NO.
L1202-CD-M-602-A1


Revision NO.
00



OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

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Beirut office Tel: 01-809316 - 809317 Fax : 01-809315
Doha office Tel: 07-726004 Telfax : 07-725118
Email : info@ACHS-CD.com

PROJECT NAME :

REHABILITATION OF
GRAND SERAIL

PROJECT LOCATION:

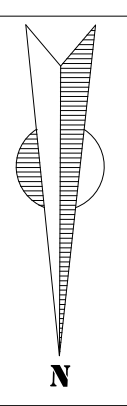
Beirut - Lebanon

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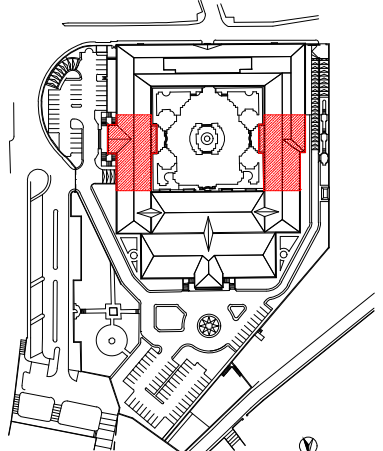
L1202

NOTES:


NORTH:



KEY PLAN:



SCALE BAR



DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: .BS

APPROVED BY :AC

SHEET TITLE

Ground Floor
HVAC Layout - Zone B

SHEET NO.

L1202-CD-M-604-A1

Revision NO.

00



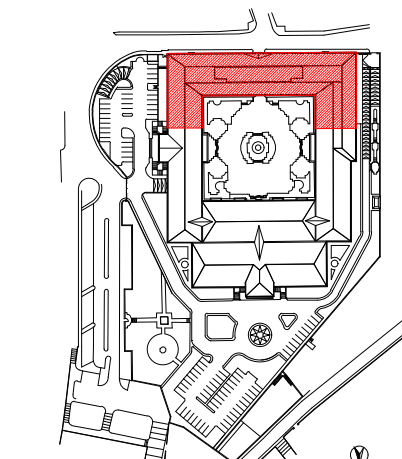
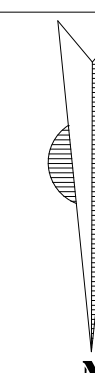
Beirut office: Tel.: 01-809316 – 809317 Fax : 01-809315
Saida office: Tel.: 07-726004 Tel.Fax : 07-725118
Email: info@LDRS-CO.com

L1202

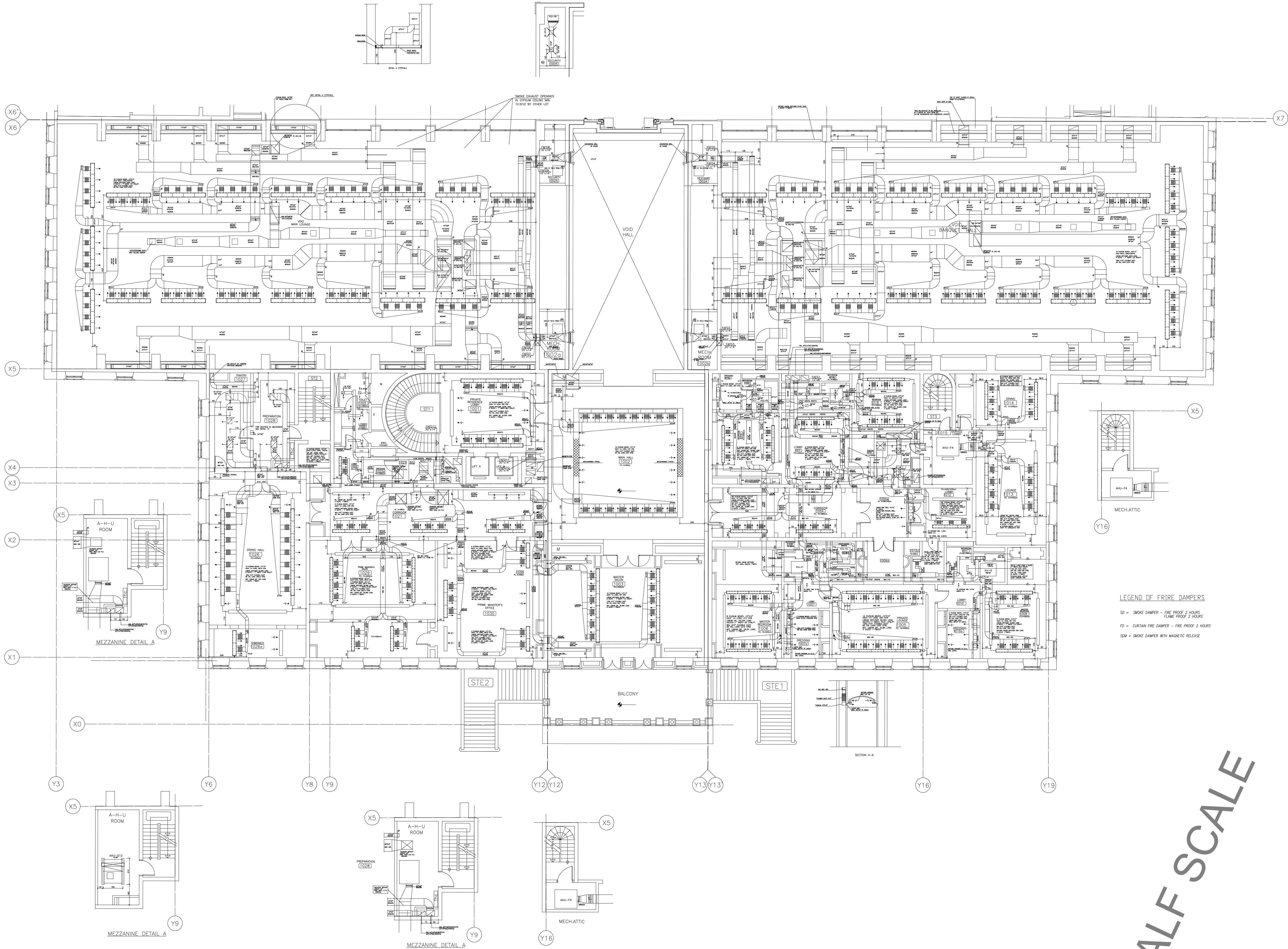
PROJECT LOCATION: Beirut - Lebanon

NOTES:

(Y20)



00



OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

ACHEHABarchitects & engineers

Beirut office Tel: 01-809316 - 809317 Fax: 01-809315
Saida office Tel: 07-726004 Telfax: 07-725118
Email: info@LDRS-CD.com

PROJECT NAME:
**REHABILITATION OF
GRAND SERAIL**

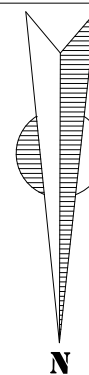
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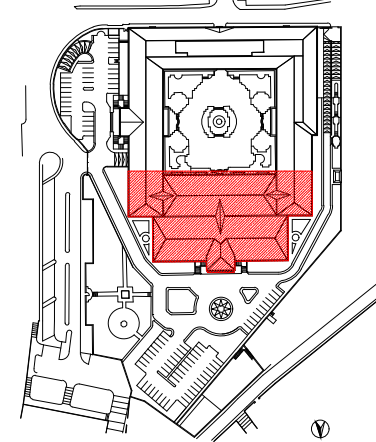
PROJECT LOCATION: Beirut - Lebanon

NOTES:

NORTH:



KEY PLAN:



SCALE BAR



DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: BS

APPROVED BY: AC

SHEET TITLE

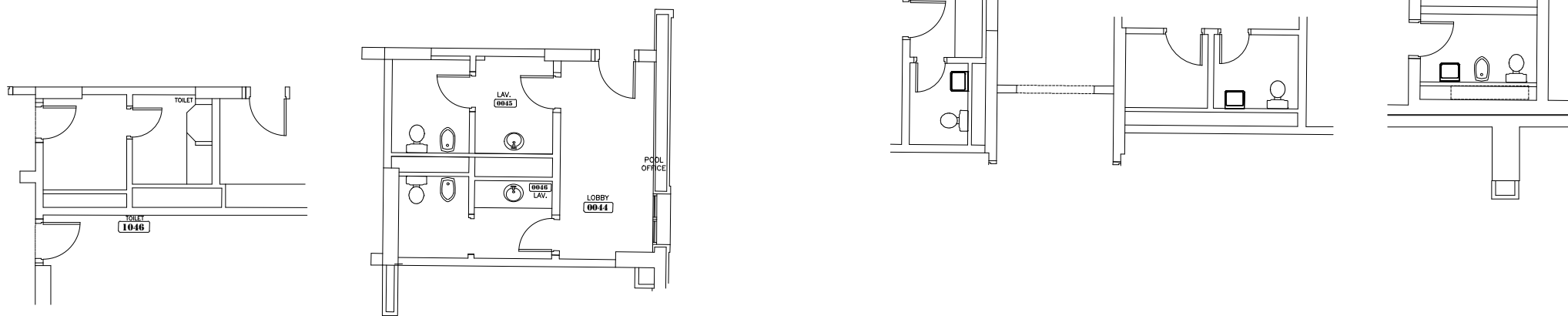
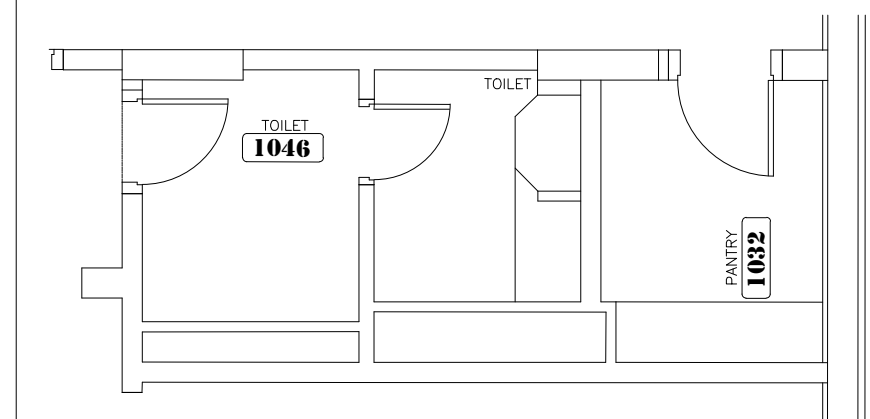
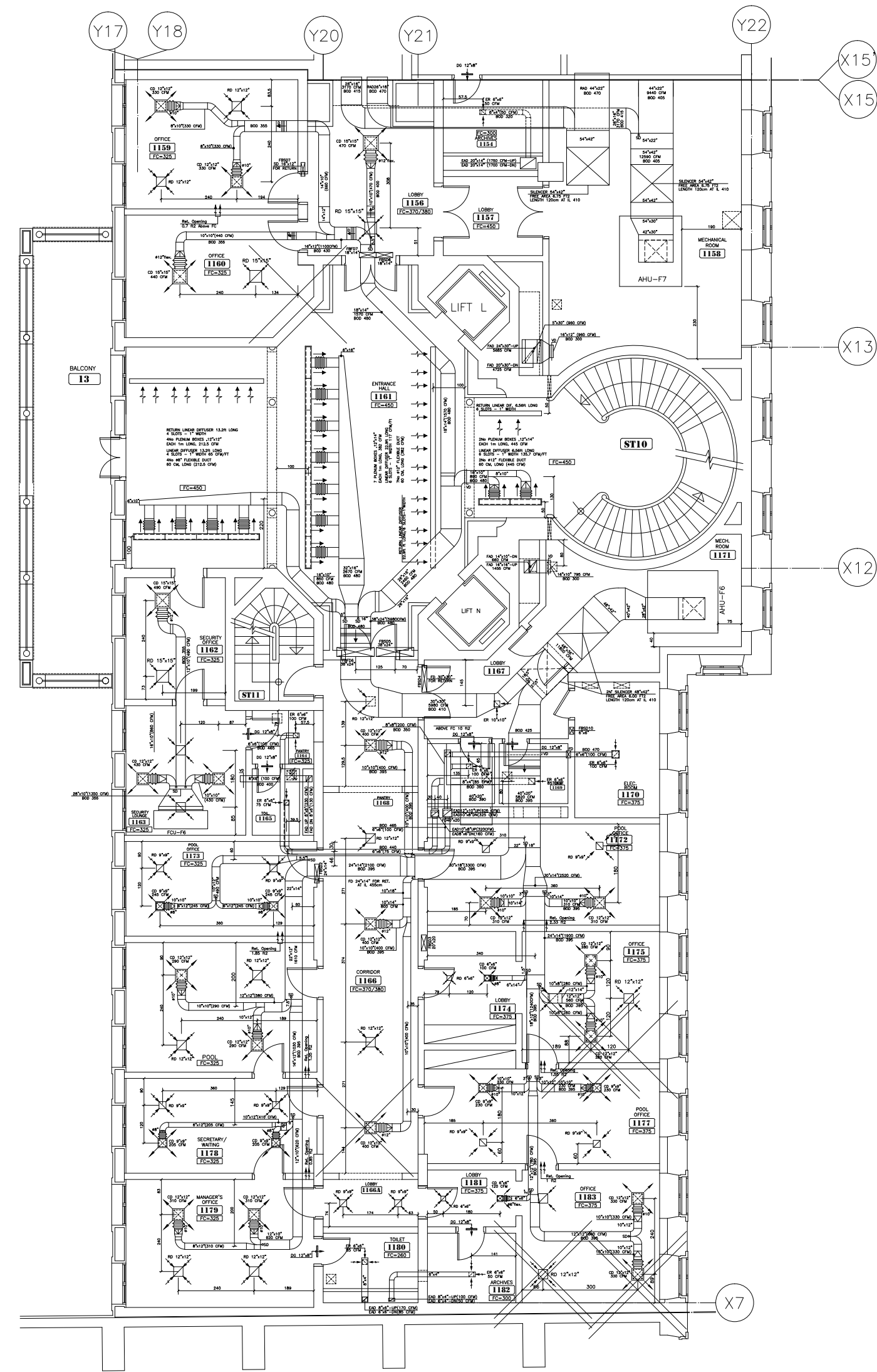
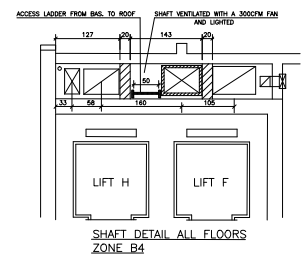
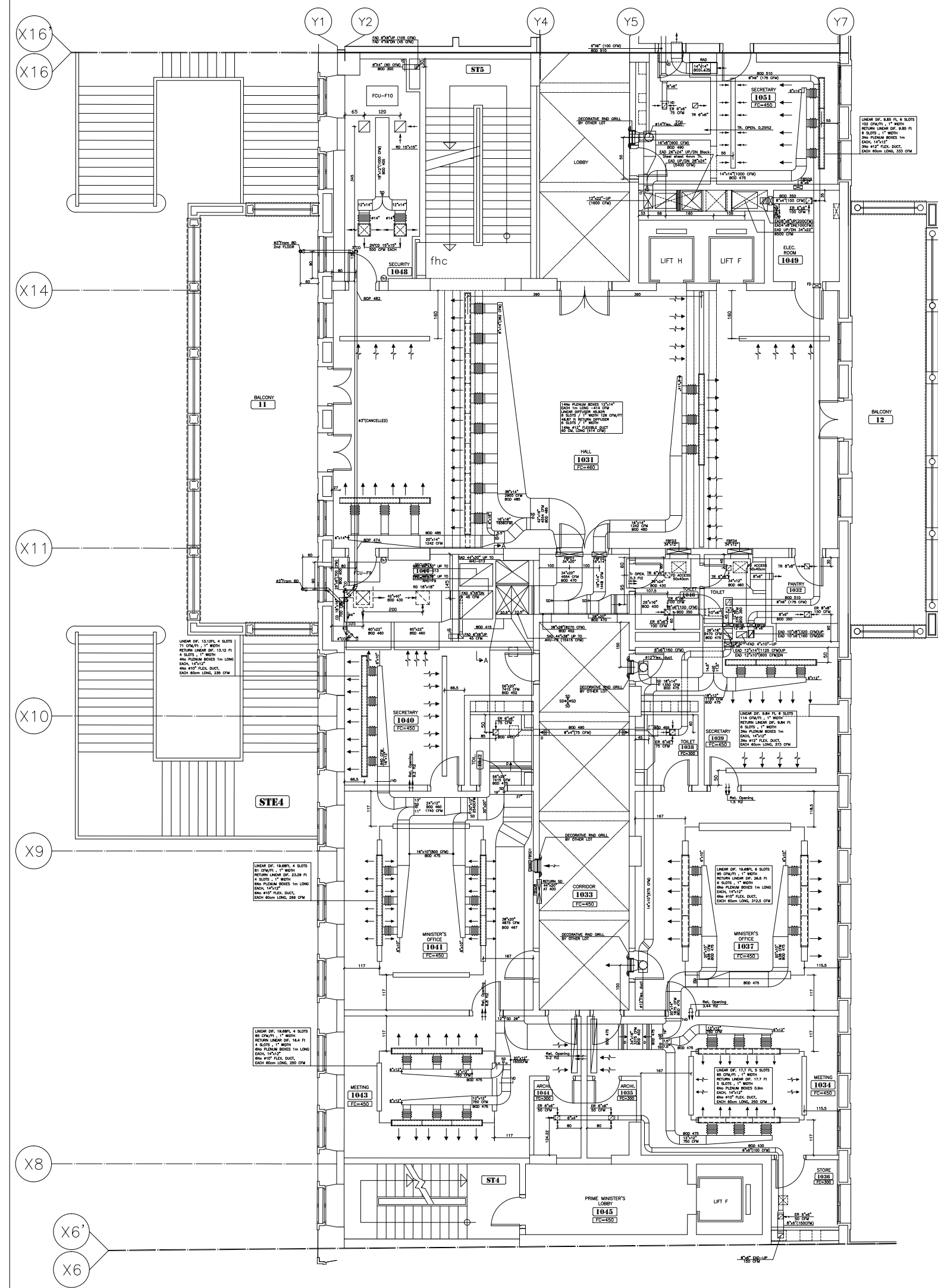
**First Floor
HVAC Layout - Zone A**

SHEET NO.

L1202-CD-M-606-A1


Revision NO.

00




HALF SCALE

OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

ACHEHABarchitects & engineers
Beirut office Tel: 01-609316 - 609317 Fax : 01-609315
Saida office Tel: 07-726004 Telfax : 07-725118
Email : info@LDPS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

PROJECT LOCATION:

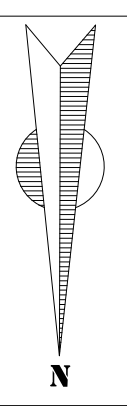
Beirut - Lebanon

CODE No:

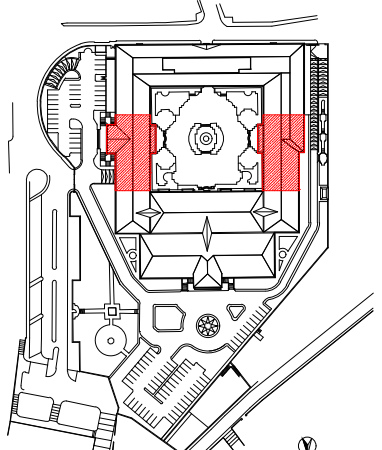
L1202

NOTES:


NORTH:



KEY PLAN:



SCALE BAR



DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: BS

APPROVED BY: AC

SHEET TITLE

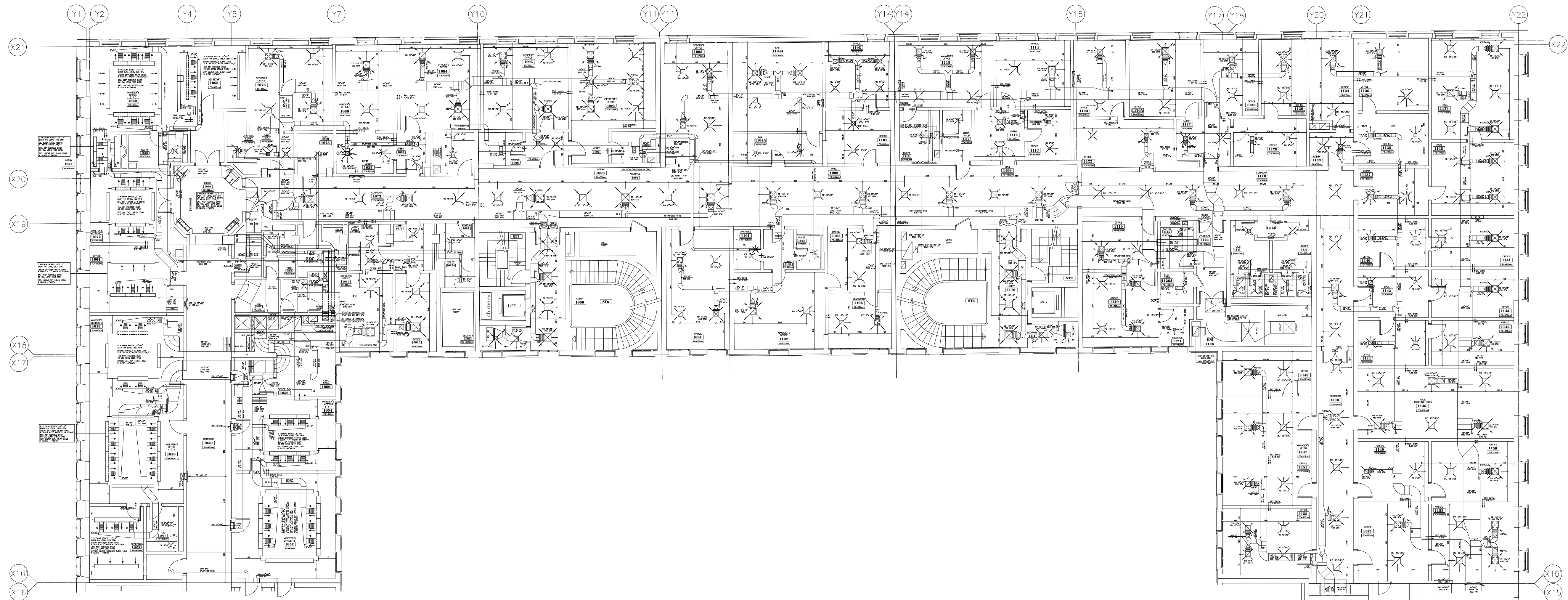
First Floor
HVAC Layout - Zone B

SHEET NO.

L1202-CD-M-607-A1

Revision NO.

00



OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

ACHEHABarchitects & engineers

Beirut office Tel: 01-609316 - 609317 Fax : 01-609315
Doha office Tel: 07-726004 Telfax : 07-725118
Email : info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

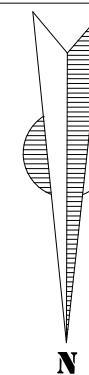
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L1202

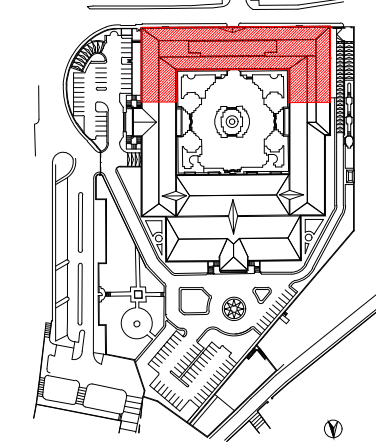
PROJECT LOCATION: Beirut - Lebanon

NOTES:

NORTH:



KEY PLAN:



SCALE BAR



DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: BS

APPROVED BY: AC

SHEET TITLE

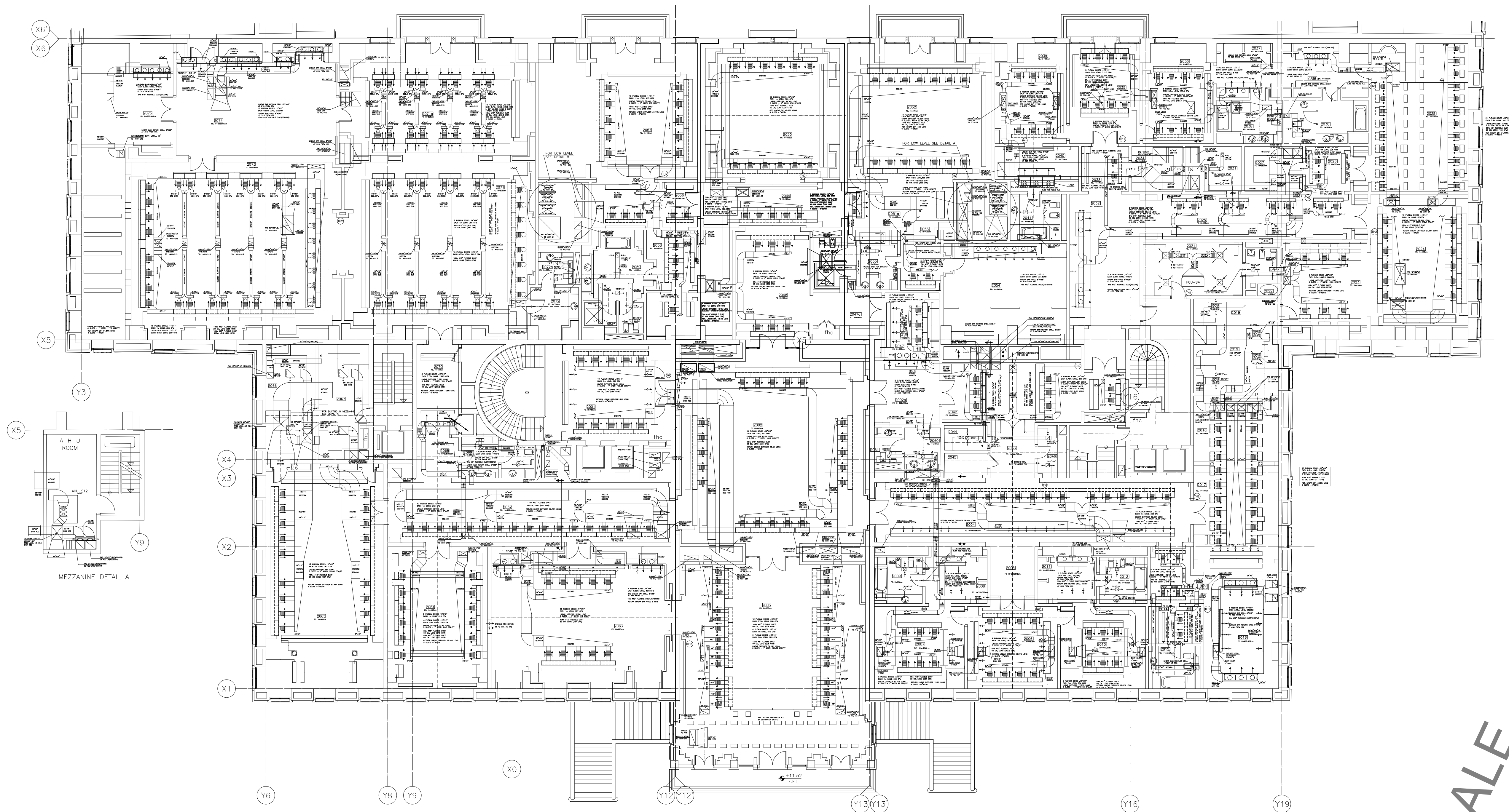
First Floor
HVAC Layout - Zone C

SHEET NO.

L1202-CD-M-608-A1

Revision NO.

00



OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

ACHEHABarchitects & engineers

Beirut office Tel: 01-609316 - 609317 Fax : 01-609315
Doha office Tel: 07-726004 Telfax : 07-725118
Email : info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

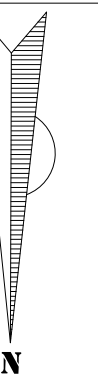
CODE No:

L1202

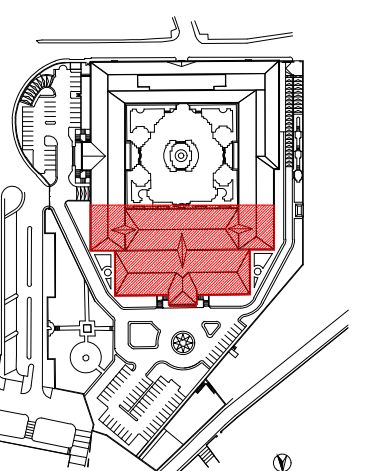
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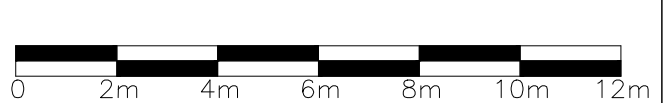
NORTH:



KEY PLAN:



SCALE BAR



DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: .BS

APPROVED BY: .AC

SHEET TITLE

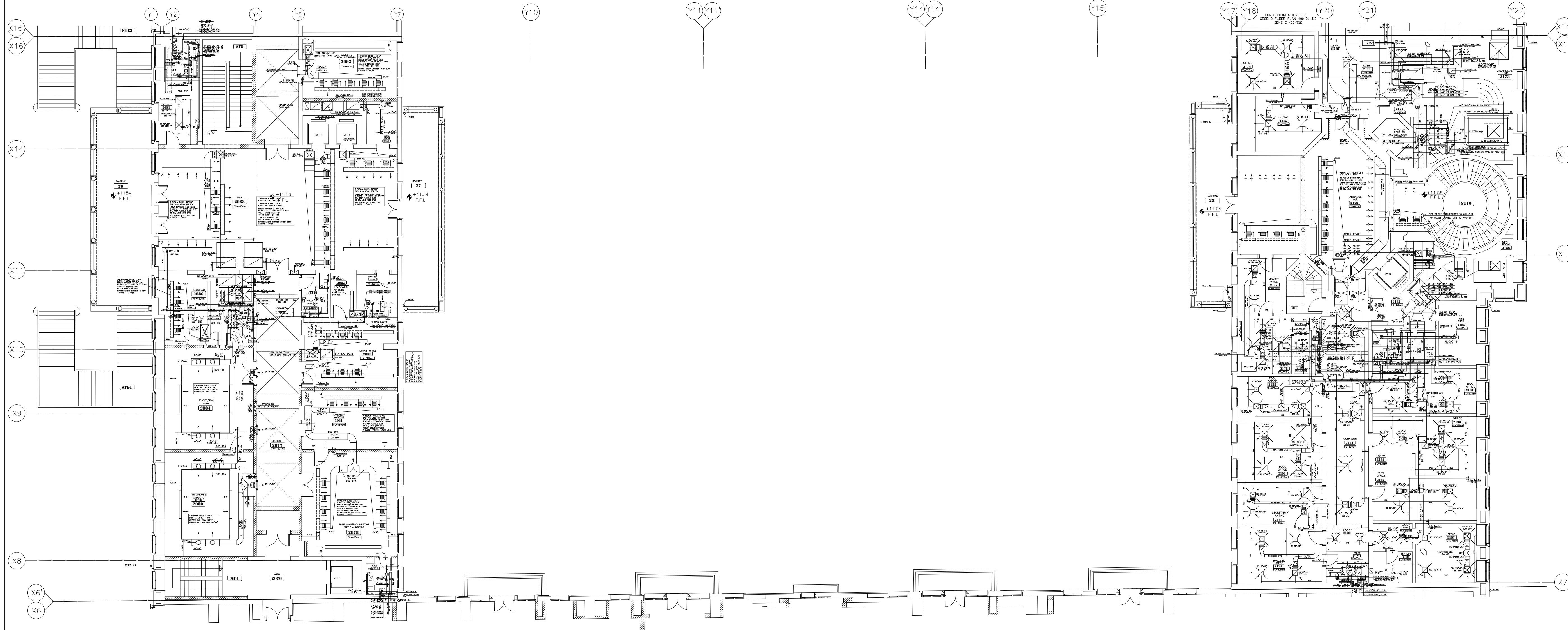
Second Floor
HVAC Layout - Zone A

SHEET NO.

L1202-CD-M-609-A1

Revision NO.

00



OWNER NAME:



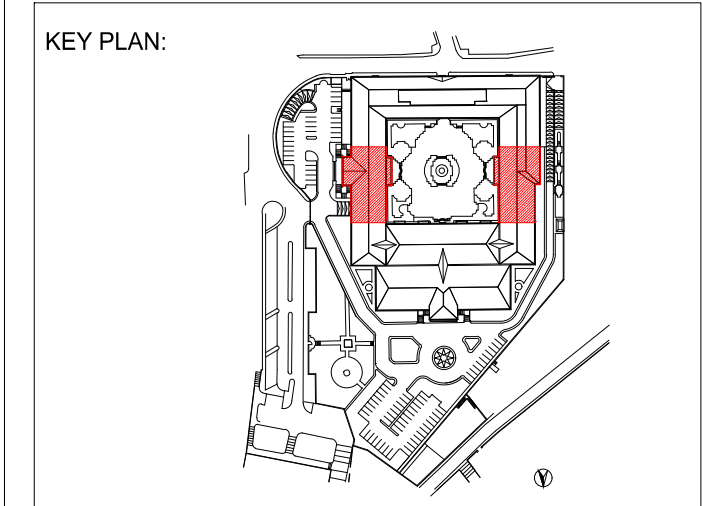
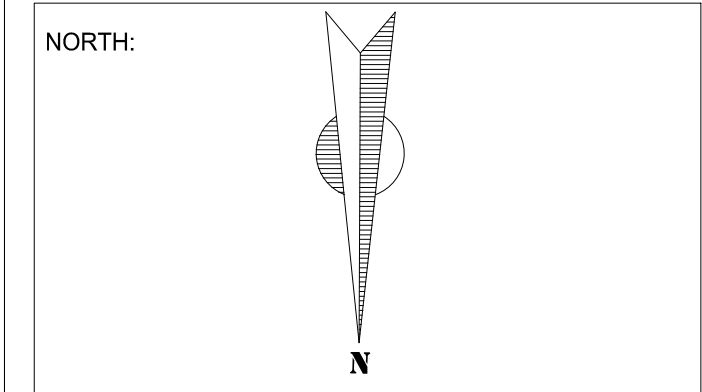
CLIENT:



CONSULTANT OFFICE :
ACHEHABarchitects & engineers
Beirut office Tel: 01-809316 - 809317 Fax : 01-809315
Doha office Tel: 07-726004 TelFax : 07-725018
Email : info@LDRS-CD.com

PROJECT NAME: REHABILITATION OF GRAND SERAIL	CODE No: L1202
PROJECT LOCATION: Beirut - Lebanon	

NOTES:



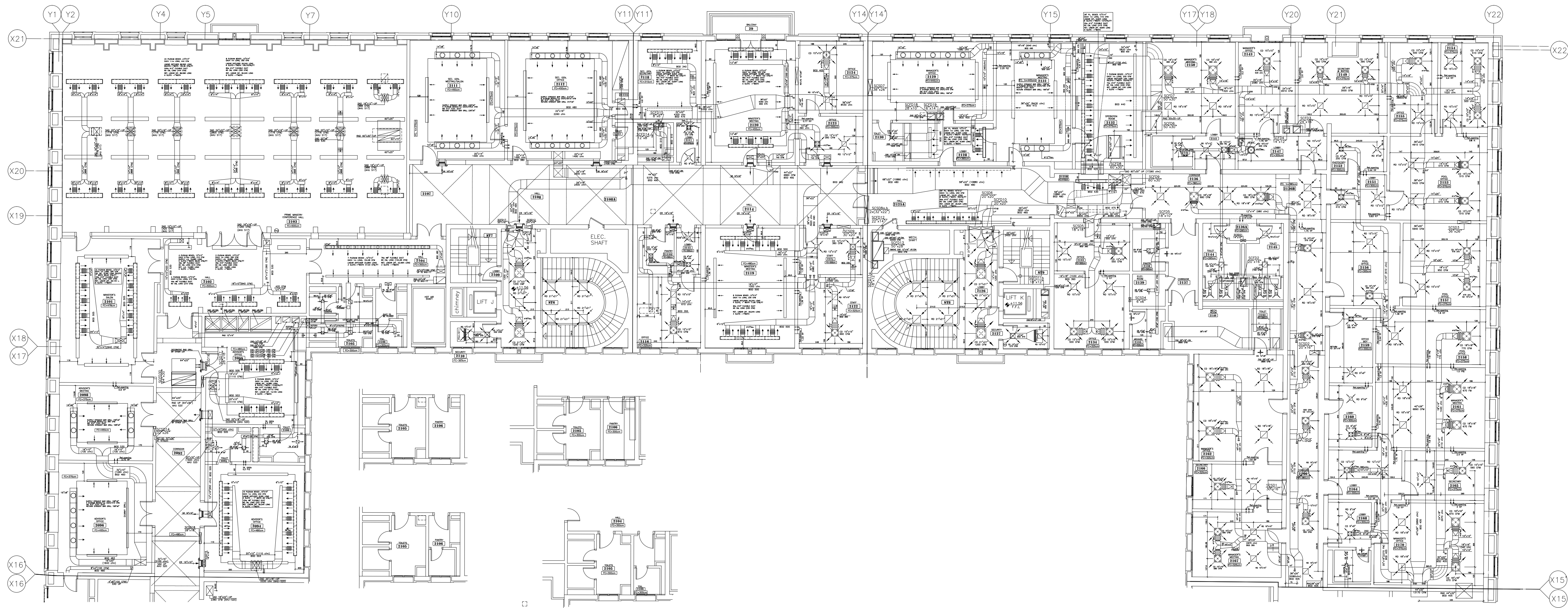
SCALE BAR

DATE: May 2022
DRAWN BY: BM - MD
DESIGNED BY: BM - MD
CHECKED BY: BS
APPROVED BY: AC

SHEET TITLE

**Second Floor
HVAC Layout - Zone B**

SHEET NO. L1202-CD-M-610-A1	Revision NO. 00
---------------------------------------	---------------------------



OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

ACHEHABarchitects & engineers

Beirut office Tel: 01-809216 - 809217 Fax : 01-809315
Saida office Tel: 07-726004 Telfax : 07-725118
Email : info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

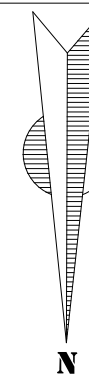
CODE No:

L1202

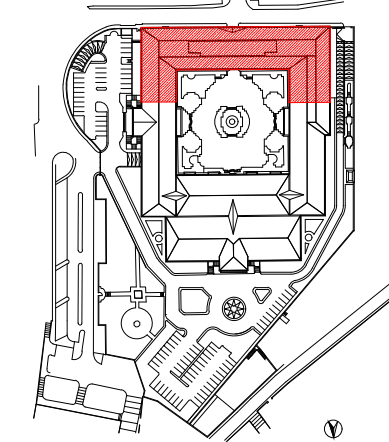
PROJECT LOCATION: Beirut - Lebanon

NOTES:

NORTH:



KEY PLAN:



SCALE BAR



DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: .BS

APPROVED BY: .AC

SHEET TITLE

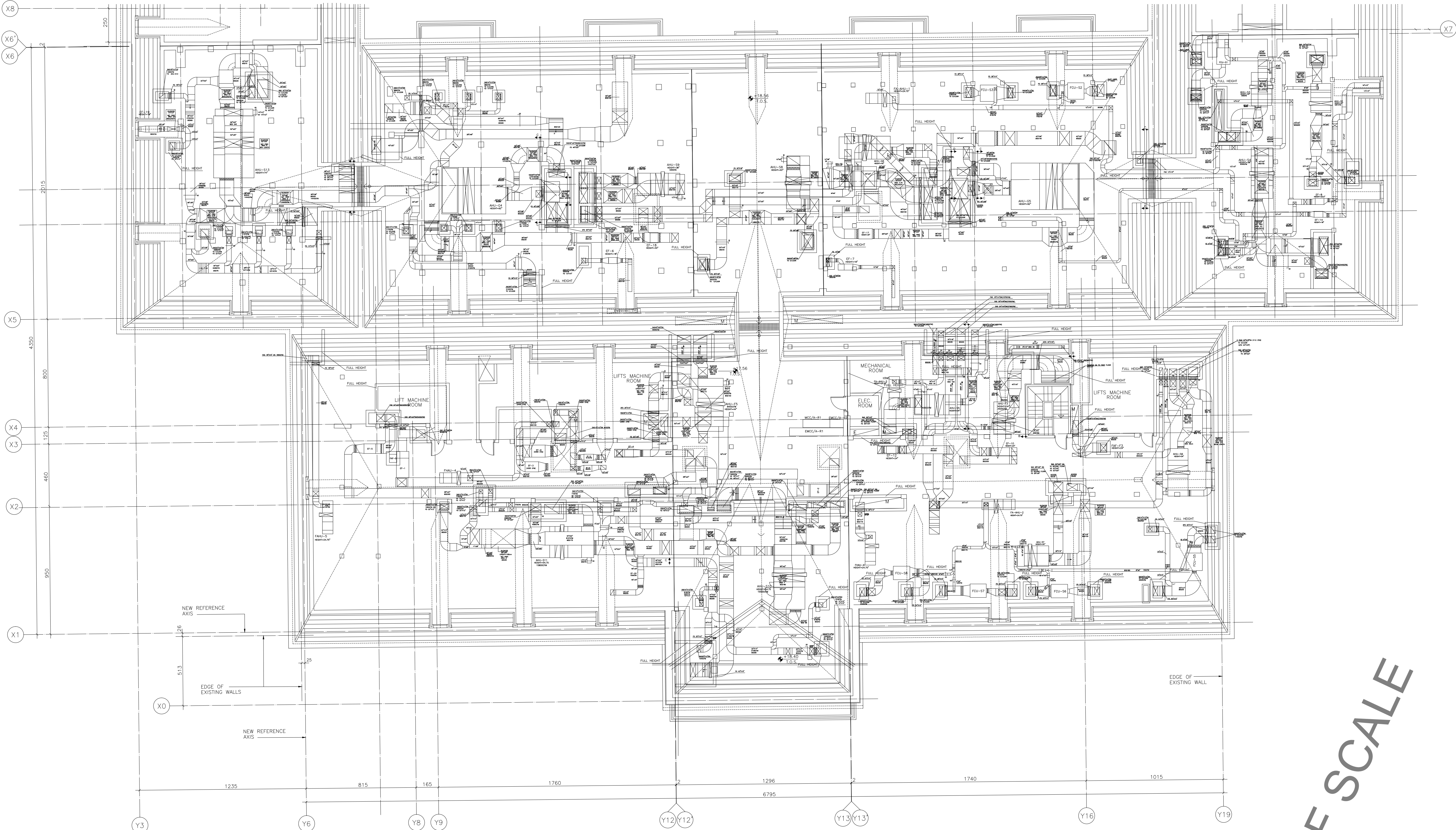
Second Floor
HVAC Layout - Zone C

SHEET NO.

L1202-CD-M-611-A1

Revision NO.

00



OWNER NAME:



CLIENT:



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Beirut office Tel: 01-809216 - 809317 Fax : 01-809315
Saida office Tel: 07-726004 Telfax : 07-725118
Email : info@LDRS-CD.com

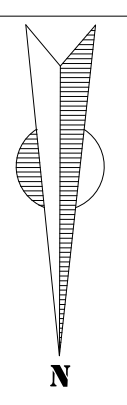
PROJECT NAME:
**REHABILITATION OF
GRAND SERAIL**

CODE No:
L1202

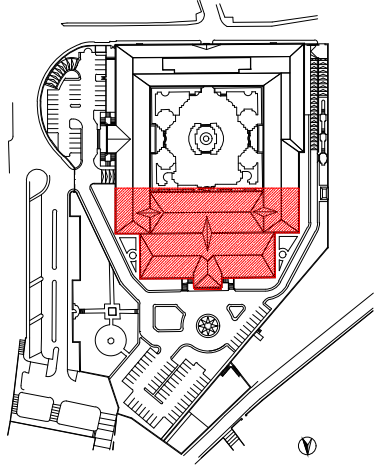
PROJECT LOCATION: Beirut - Lebanon

NOTES:

NORTH:



KEY PLAN:



SCALE BAR



DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: BS

APPROVED BY: AC

SHEET TITLE

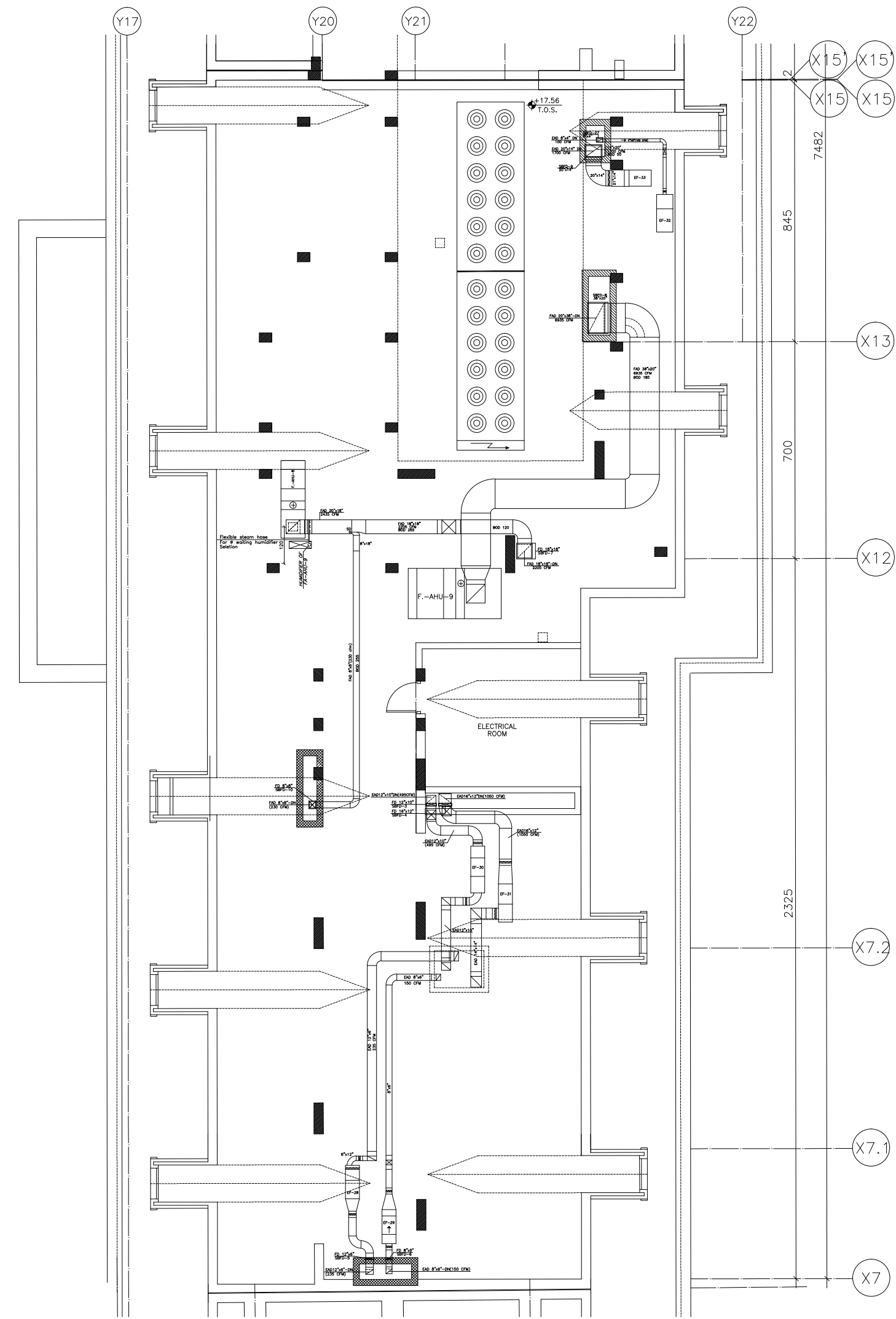
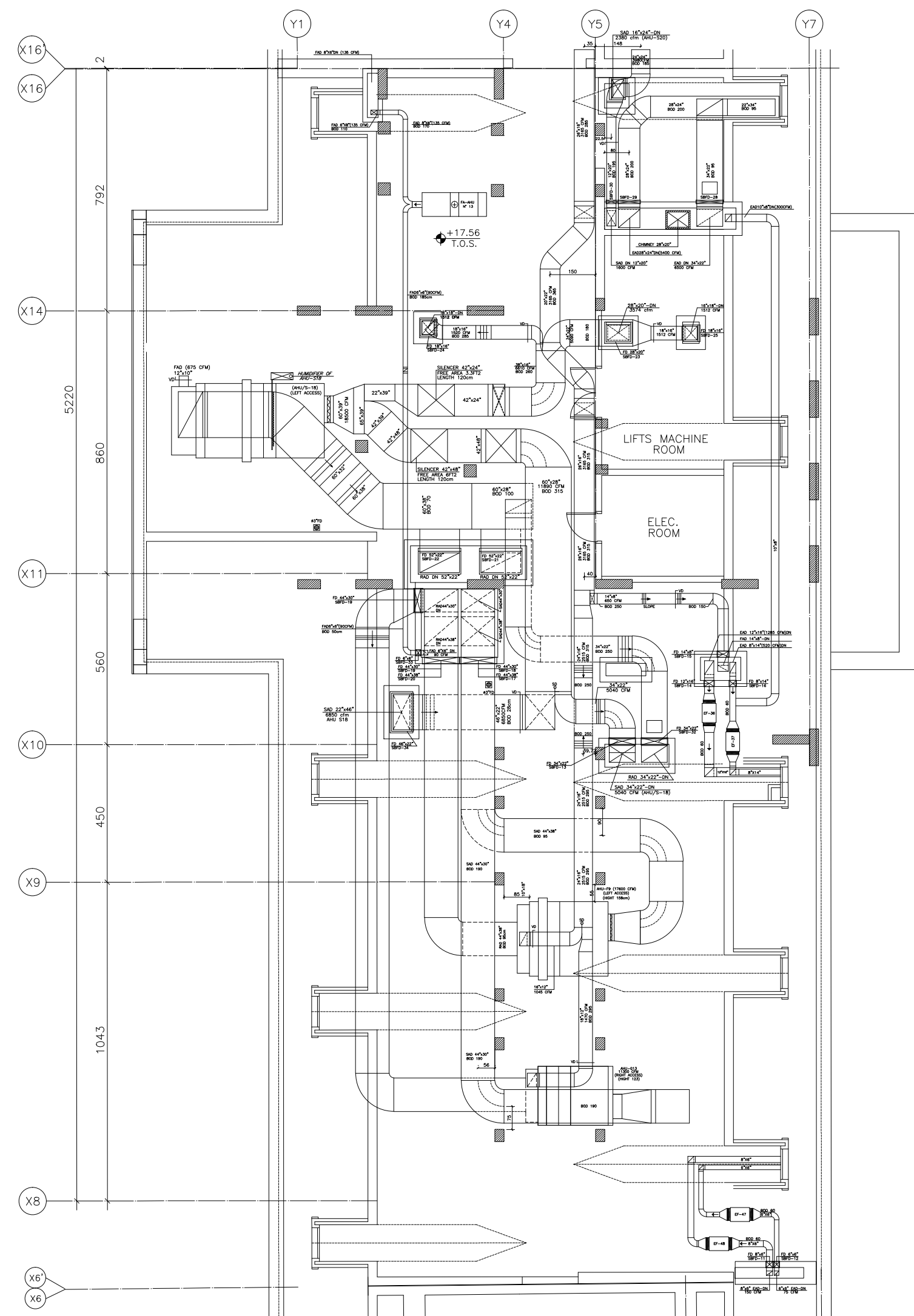
**Roof Floor
HVAC Layout - Zone A**

SHEET NO.

L1202-CD-M-612-A1

Revision NO.

00



HALF SCALE

OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

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Saida office Tel: 07-726004 Telfax : 07-725118
Email : info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

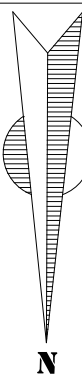
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L1202

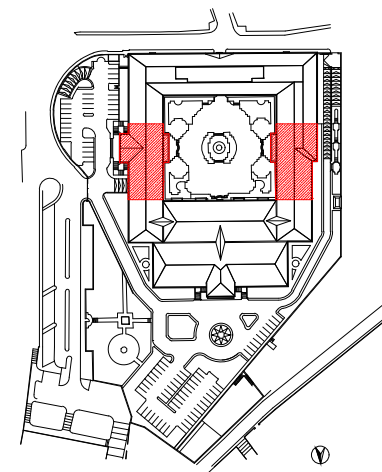
PROJECT LOCATION: Beirut - Lebanon

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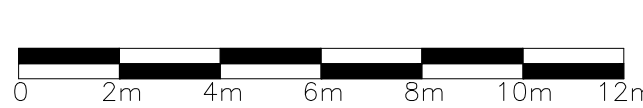
NORTH:



KEY PLAN:



SCALE BAR



DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: BS

APPROVED BY: AC

SHEET TITLE

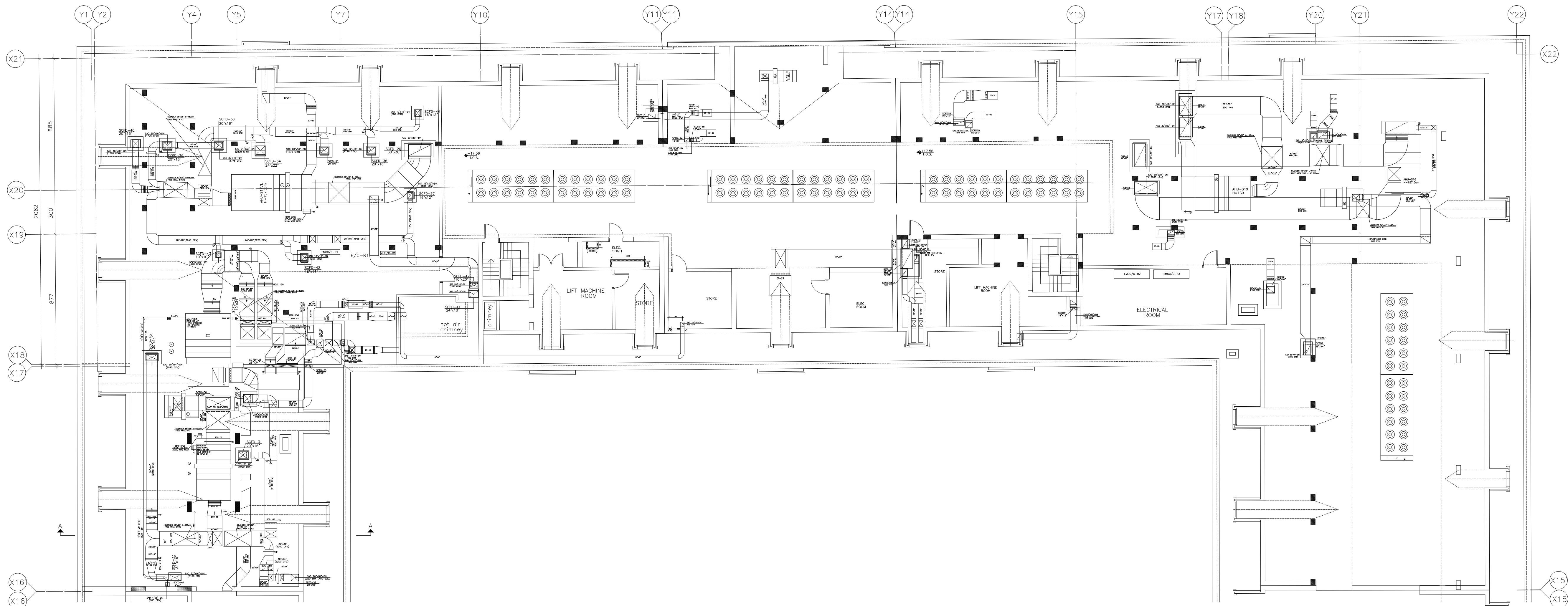
Roof Floor
HVAC Layout - Zone B

SHEET NO.

L1202-CD-M-613-A1

Revision NO.

00



LEGEND

■ FULL HEIGHT
■ SHUT ROOM ABOVE CL.

OWNER NAME:



CLIENT:



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Saida office Tel: 07-726004 Telfax : 07-725118
Email : info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

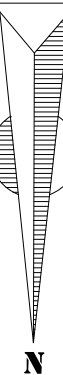
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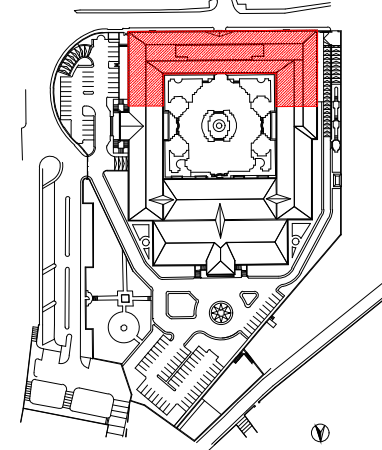
PROJECT LOCATION: Beirut - Lebanon

NOTES:

NORTH:



KEY PLAN:



SCALE BAR



DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: .BS

APPROVED BY :AC

SHEET TITLE

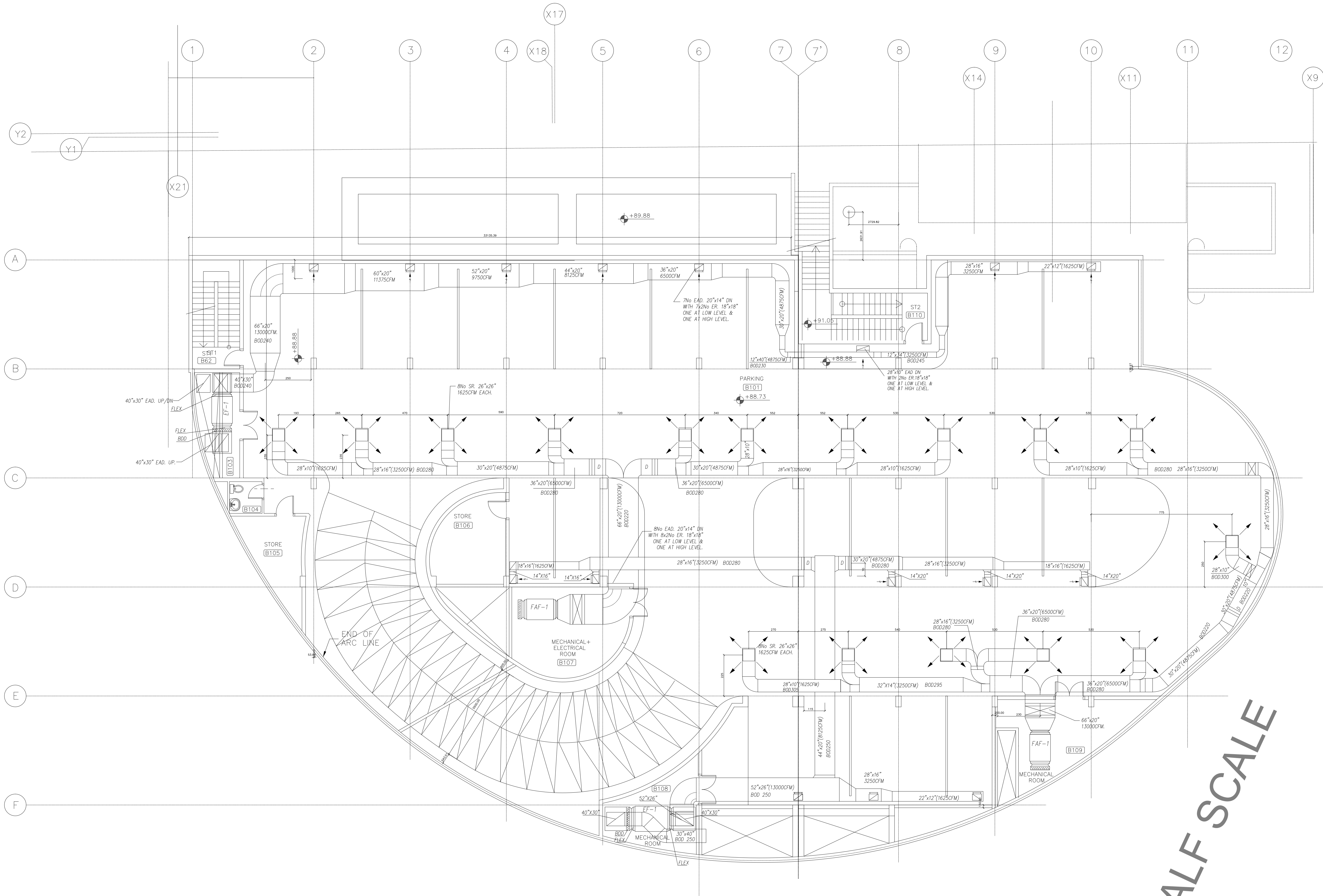
Roof Floor
HVAC Layout - Zone C

SHEET NO.

L1202-CD-M-614-A1

Revision NO.

00



OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

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Saida office Tel: 07-726004 Telfax : 07-725118
Email : info@LD5-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

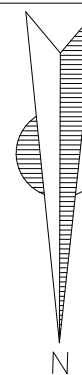
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L1202

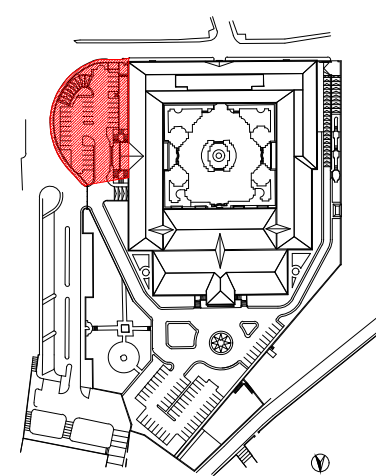
PROJECT LOCATION: Beirut - Lebanon

NOTES:

NORTH:



KEY PLAN:



SCALE

1/100

DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: .BS

APPROVED BY :AC

SHEET TITLE

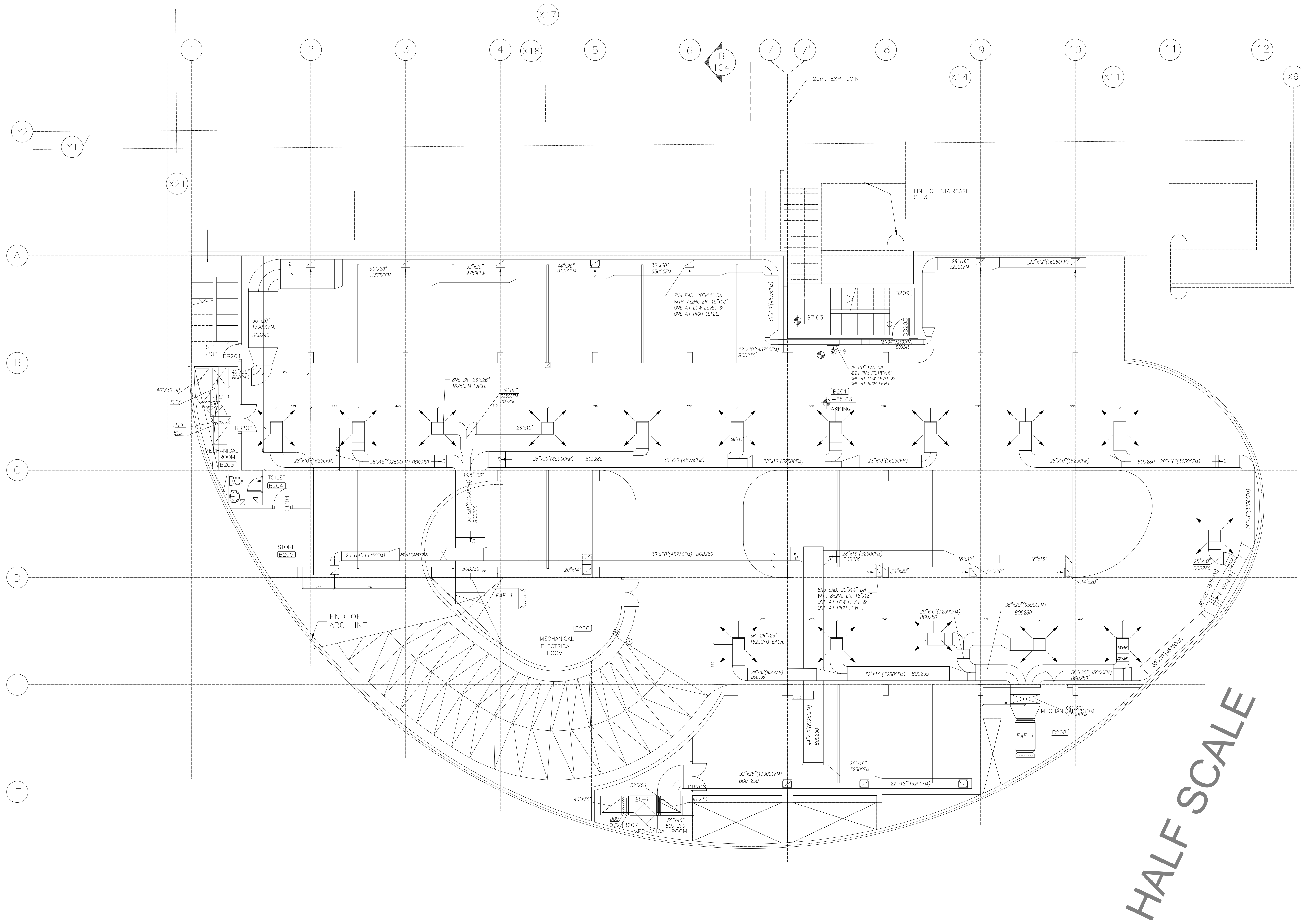
External Parking 1
HVAC Layout

SHEET NO.


L1202-CD-M-615-A1

Revision NO.


00



OWNER NAME:



CLIENT:



CONSULTANT OFFICE :

ACHEHABarchitects & engineers
Beirut office Tel: 01-809316 - 809317 Fax : 01-809315
Saida office Tel: 07-726004 Telfax : 07-725118
Email : info@LDRS-CD.com

PROJECT NAME:

REHABILITATION OF
GRAND SERAIL

PROJECT LOCATION:

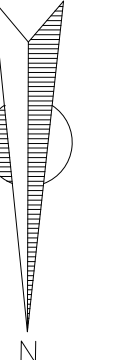
Beirut - Lebanon

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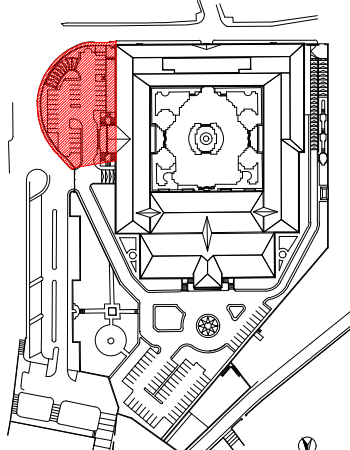
L1202

NOTES:

NORTH:



KEY PLAN:



SCALE

1/100

DATE: May 2022

DRAWN BY: BM - MD

DESIGNED BY: BM - MD

CHECKED BY: BS

APPROVED BY: AC

SHEET TITLE

External Parking 2
HVAC Layout

SHEET NO.

L1202-CD-M-616-A1

Revision NO.

00