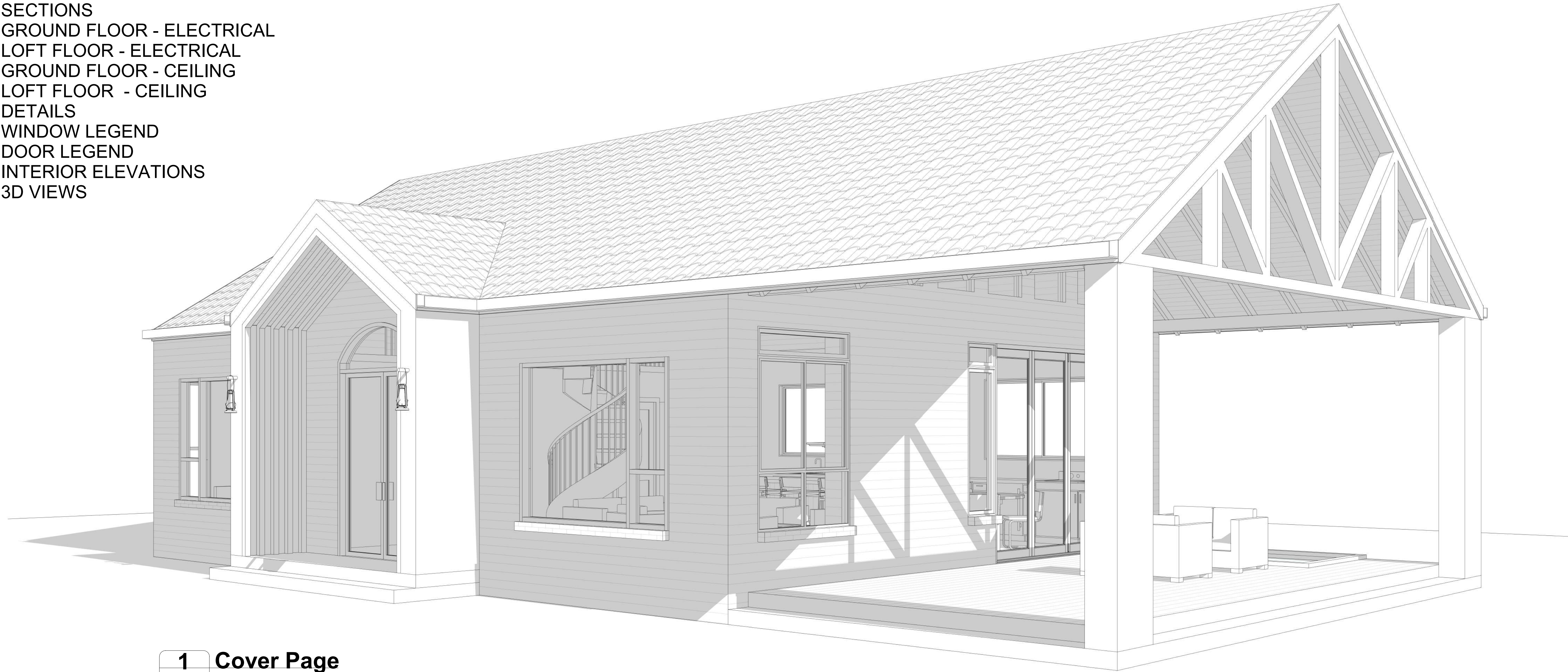


DRAWING

N. HOUSTON AVE.

- A100 COVER SHEET
- A101 SITE PLAN
- A102 GROUND FLOOR PLAN
- A103 LOFT LAYOUT
- A104 ROOF PLAN
- A105 EXTERIOR ELEVATIONS
- A106 EXTERIOR ELEVATIONS
- A107 SECTIONS
- A108 GROUND FLOOR - ELECTRICAL
- A109 LOFT FLOOR - ELECTRICAL
- A110 GROUND FLOOR - CEILING
- A111 LOFT FLOOR - CEILING
- A112 DETAILS
- A113 WINDOW LEGEND
- A114 DOOR LEGEND
- A115 INTERIOR ELEVATIONS
- A116 3D VIEWS



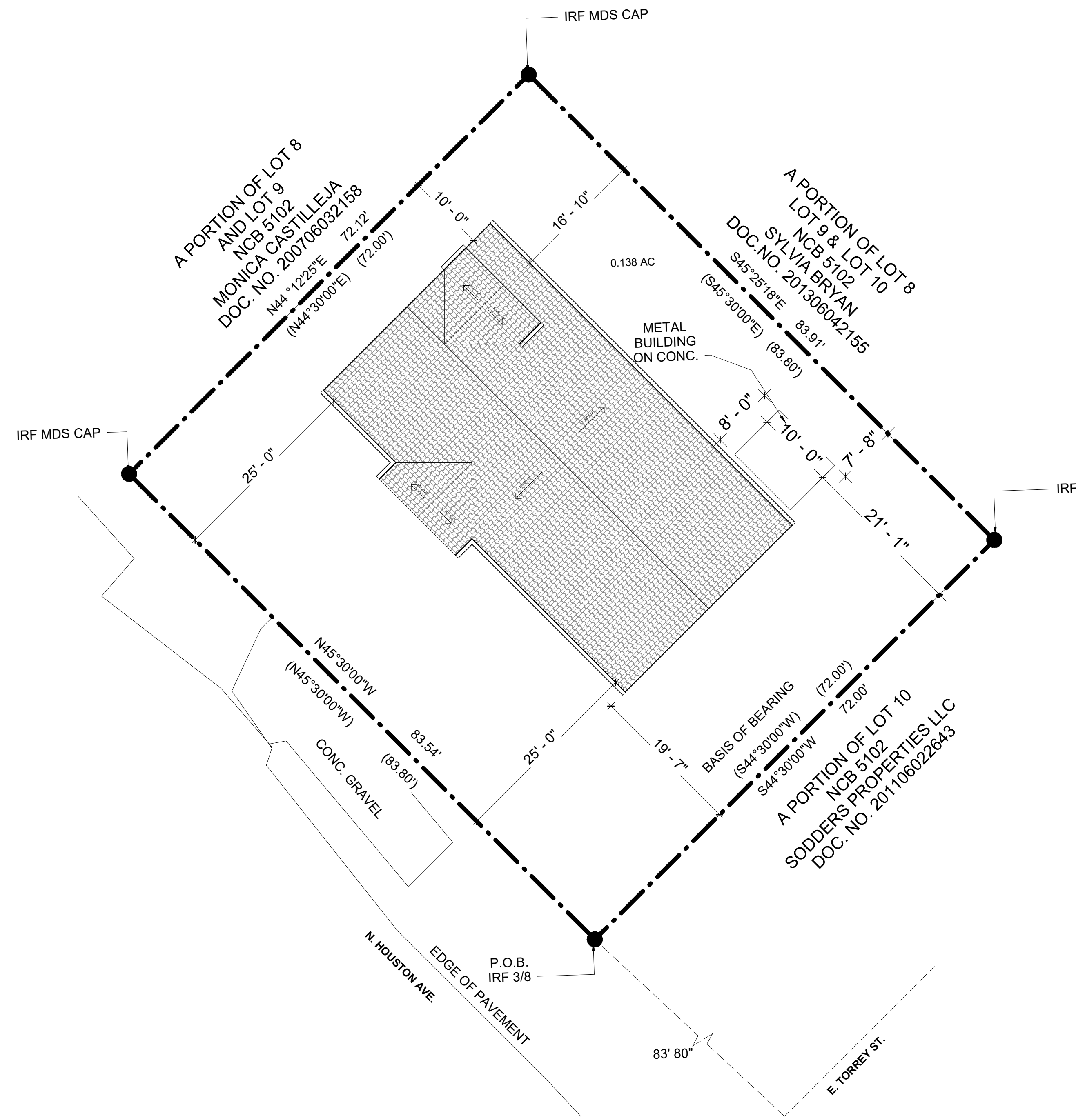
1 Cover Page
A100 Scale

GENERAL NOTES

BUILDER
N. Houston Ave.
CLIENT DETAILS
PROJECT DETAILS
Cover

DRAWING SCALE	DATE DRAWN	SHEET SIZE
AS SHOWN	05/21/23	D
DRAWN	DESIGNED	CHECK
PROJECT NUMBER	DRAWING NUMBER	REVISION
	A100	

BEING 0.138 OF AN ACRE OF LAND SITUATED IN THE CITY OF NEW BRAUNFELS, COMAL COUNTY, TEXAS
 AND BEING ALL OF A PORTION OF LOTS 9 AND 10, NEW CITY BLOCK 5102, IN THE CITY OF NEW
 BRAUNFELS, COMAL COUNTY, TEXAS AS DESCRIBED IN DOCUMENT NO. 200506041823 OF THE OFFICIAL
 RECORDS OF COMAL COUNTY, TEXAS



1 SITE PLAN
 A101 Scale 1" = 10'-0"

GENERAL NOTES

BUILDER

N. Houston Ave.

CLIENT DETAILS

PROJECT DETAILS

Site plan

DRAWING SCALE DATE DRAWN SHEET SIZE

AS SHOWN 04/26/23 D

DRAWN DESIGNED CHECK

PROJECT NUMBER DRAWING NUMBER REVISION

A101



1 GROUND FLOOR PLAN
 A102 Scale 3/8" = 1'-0"

GENERAL NOTES

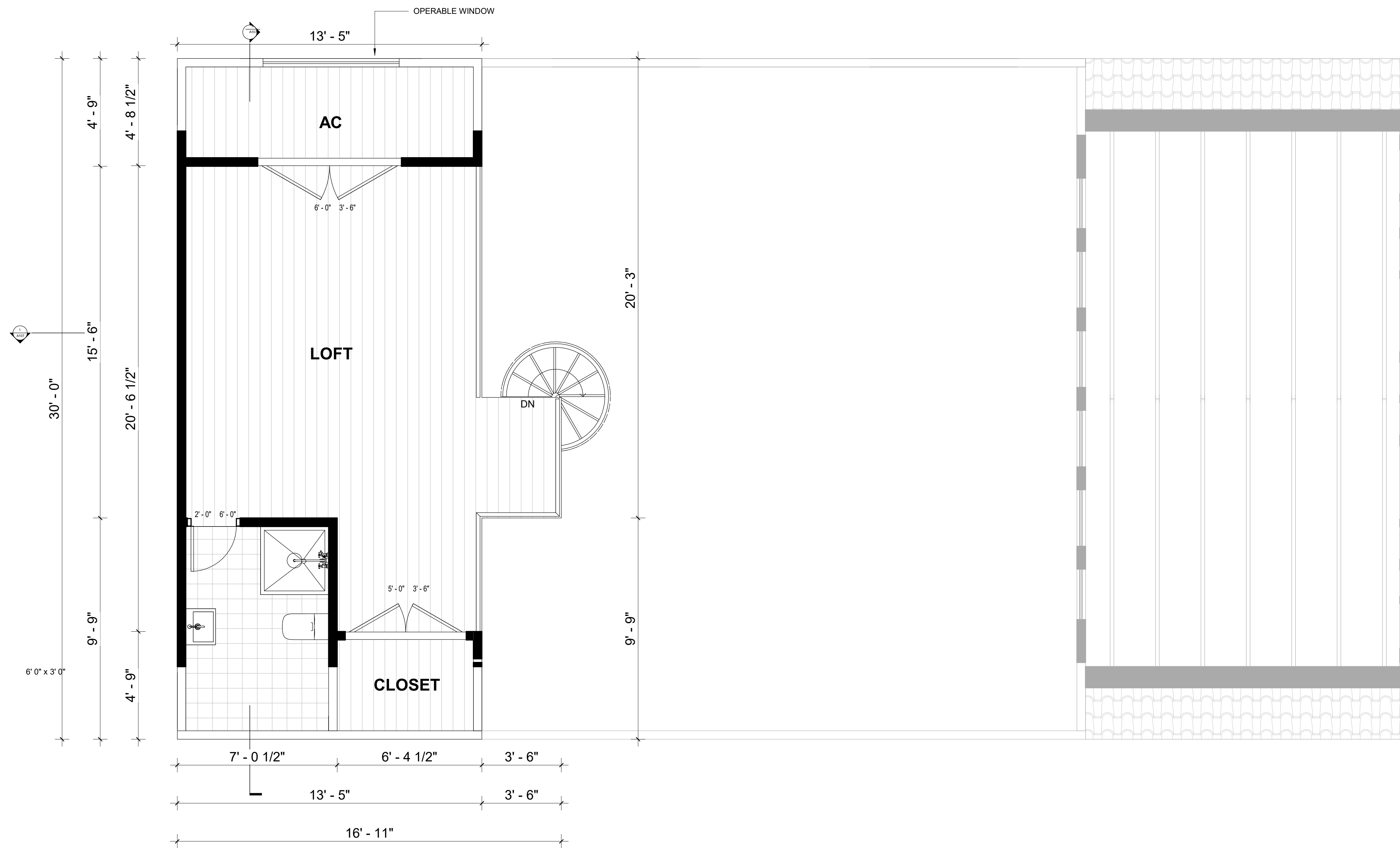
WINDOW SCHEDULE		
NAME	WIDTH	HEIGHT
2' 0" x 1' 0"	2' - 0"	1' - 0"
2' 0" x 4' 0"	2' - 0"	4' - 0"
2' 0" x 6' 0"	2' - 0"	6' - 0"
2' 6" x 7' 0"	2' - 6"	7' - 0"
5' 0" x 6' 0"	5' - 0"	6' - 0"
5' 0" x 1' 0"	5' - 0"	1' - 0"
6' 0" x 3' 0"	6' - 0"	3' - 0"
6' 6" x 4' 0"	6' - 6"	4' - 0"

BUILDER
 N. Houston Ave.

CLIENT DETAILS

PROJECT DETAILS
 Ground Floor Plan

DRAWING SCALE	DATE DRAWN	SHEET SIZE
AS SHOWN	15/06/23	D
DRAWN	DESIGNED	CHECK
PROJECT NUMBER	DRAWING NUMBER	REVISION
	A102	



1 LOFT PLAN
 A103 Scale 3/8" = 1'-0"

GENERAL NOTES

WINDOW SCHEDULE		
NAME	WIDTH	HEIGHT
2' 0" x 1' 0"	2' - 0"	1' - 0"
2' 0" x 4' 0"	2' - 0"	4' - 0"
2' 0" x 6' 0"	2' - 0"	6' - 0"
2' 6" x 7' 0"	2' - 6"	7' - 0"
5' 0" x 6' 0"	5' - 0"	6' - 0"
5' 0" x 1' 0"	5' - 0"	1' - 0"
6' 0" x 3' 0"	6' - 0"	3' - 0"
6' 6" x 4' 0"	6' - 6"	4' - 0"

BUILDER

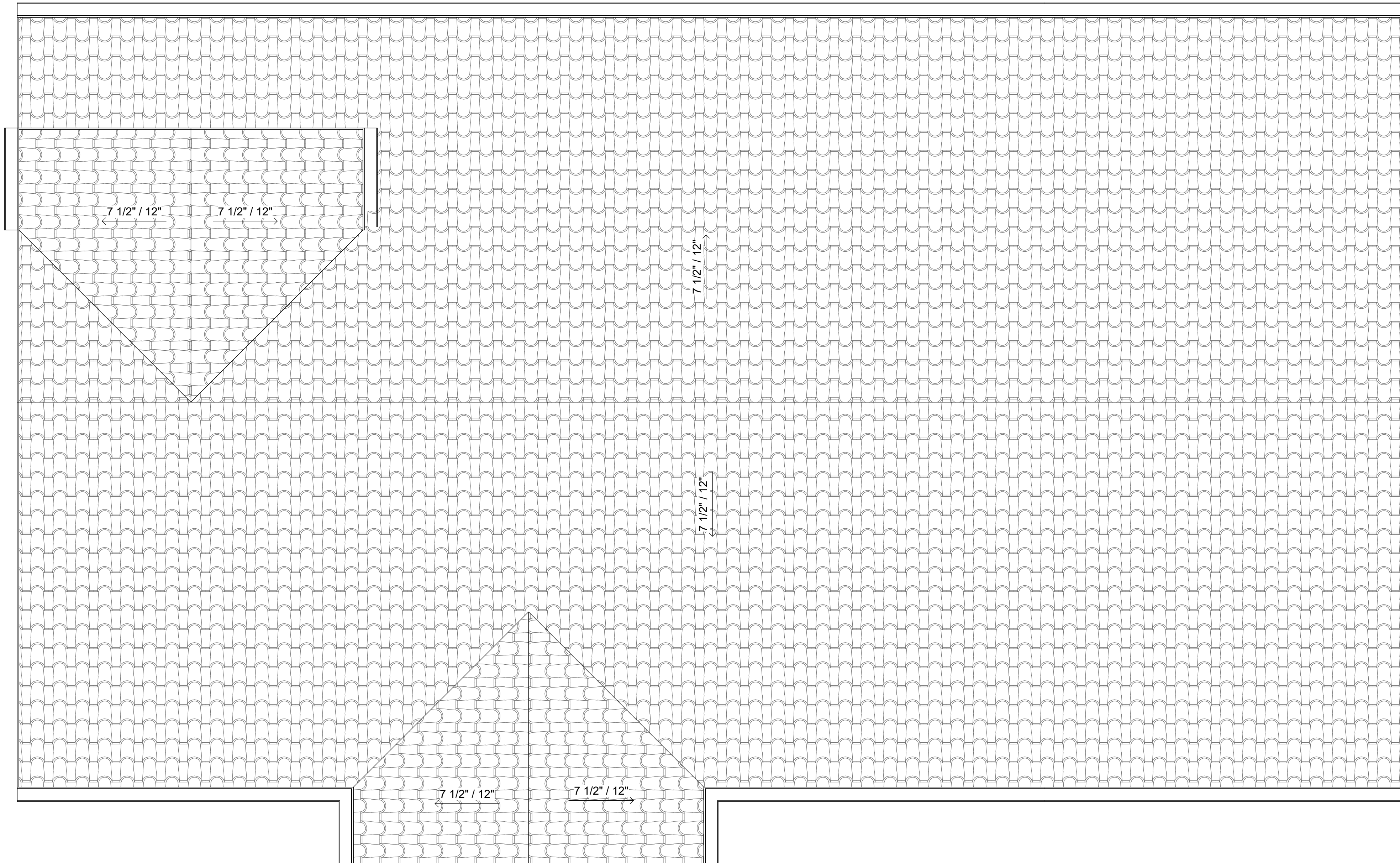
N. Houston Ave.

CLIENT DETAILS

PROJECT DETAILS

Loft Layout

DRAWING SCALE	DATE DRAWN	SHEET SIZE
AS SHOWN	04/06/23	D
DRAWN	DESIGNED	CHECK
PROJECT NUMBER	DRAWING NUMBER	REVISION
	A103	



1 ROOF PLAN
 A104 Scale 3/8" = 1'-0"

GENERAL NOTES

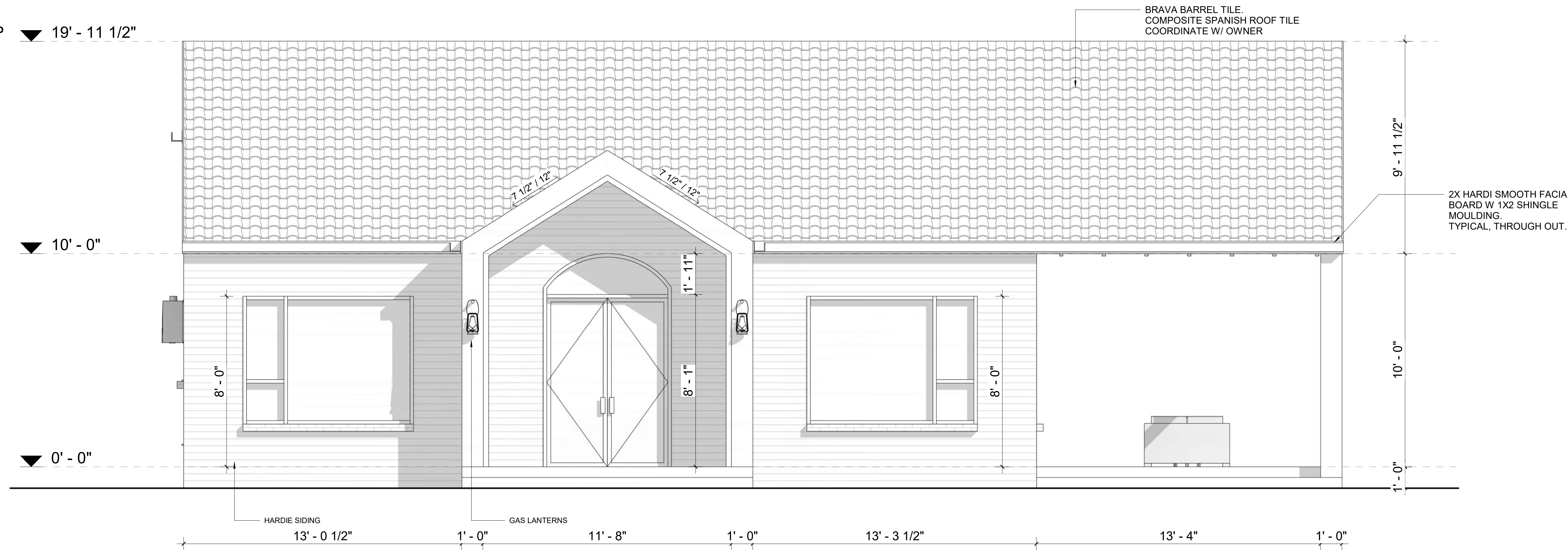
BUILDER
N. Houston Ave.
CLIENT DETAILS
PROJECT DETAILS
Roof Plan

DRAWING SCALE	DATE DRAWN	SHEET SIZE
AS SHOWN	23/04/21	D
DRAWN	DESIGNED	CHECK
PROJECT NUMBER	DRAWING NUMBER	REVISION
	A104	

TOP ▼ 19' - 11 1/2"

CL ▼ 10' - 0"

FFL ▼ 0' - 0"

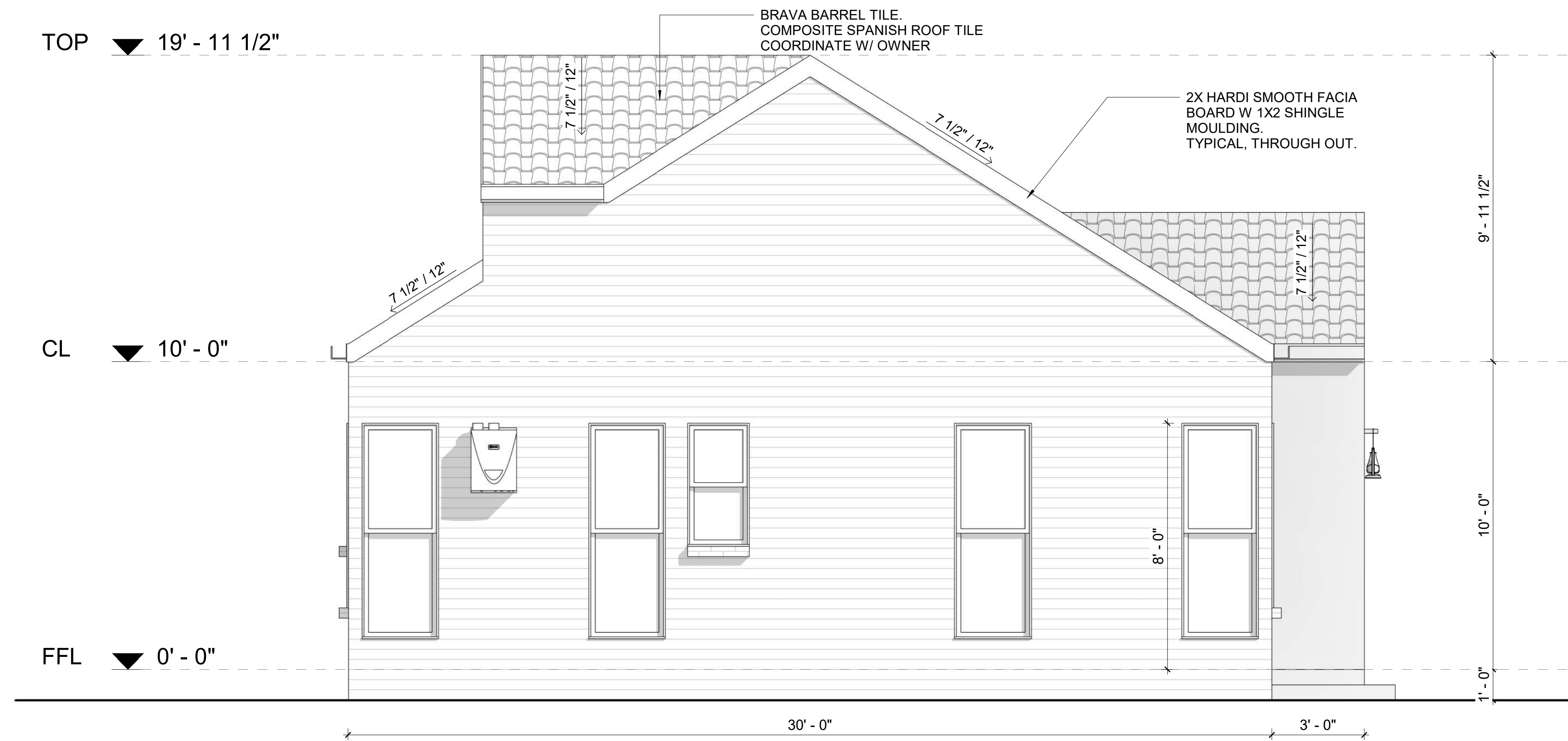


1 FRONT ELEVATION
 A105 Scale 3/8" = 1'-0"

TOP ▼ 19' - 11 1/2"

CL ▼ 10' - 0"

FFL ▼ 0' - 0"



2 LEFT ELEVATION
 A105 Scale 3/8" = 1'-0"

GENERAL NOTES

BUILDER

N. Houston Ave.

CLIENT DETAILS

PROJECT DETAILS

Proposed Elevations 1 of 2

DRAWING SCALE DATE DRAWN SHEET SIZE

AS SHOWN 08/28/22 D

DRAWN DESIGNED CHECK

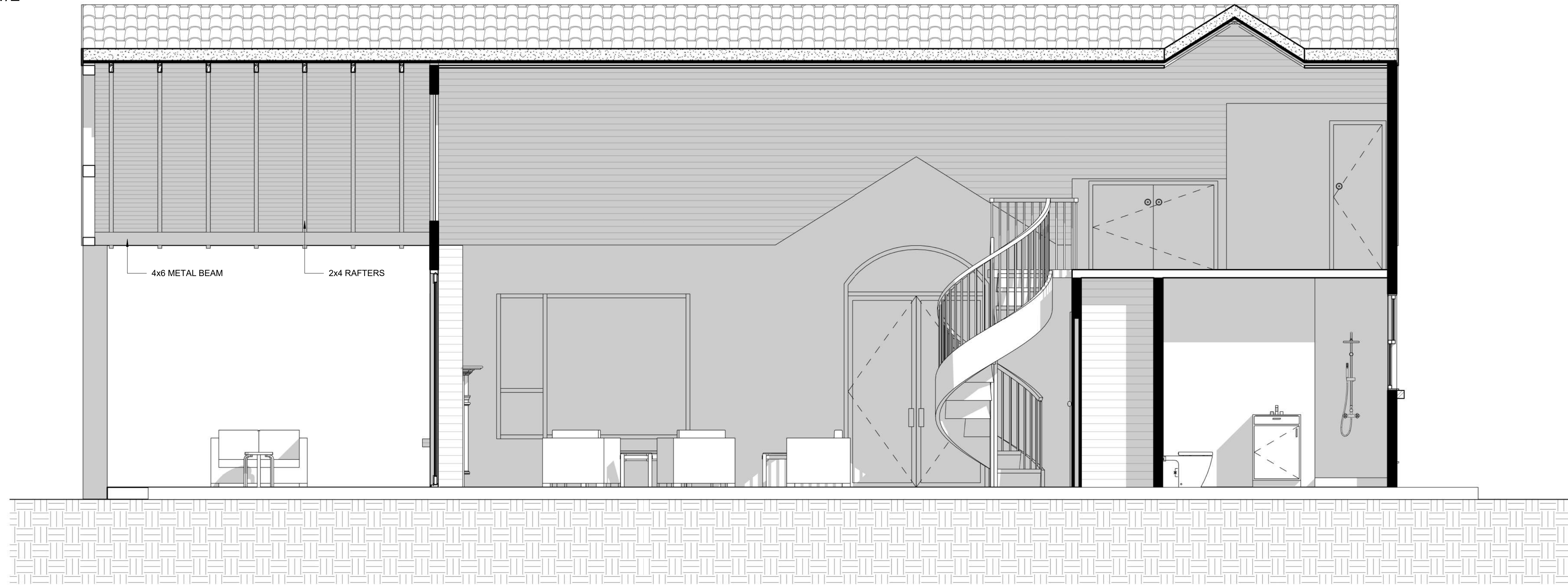
PROJECT NUMBER DRAWING NUMBER REVISION

A105

TOP ▼ 19' - 11 1/2"

CL ▼ 10' - 0"

FFL ▼ 0' - 0"



1 Section 1
A107 Scale 3/8" = 1'-0"

TOP ▼ 19' - 11 1/2"

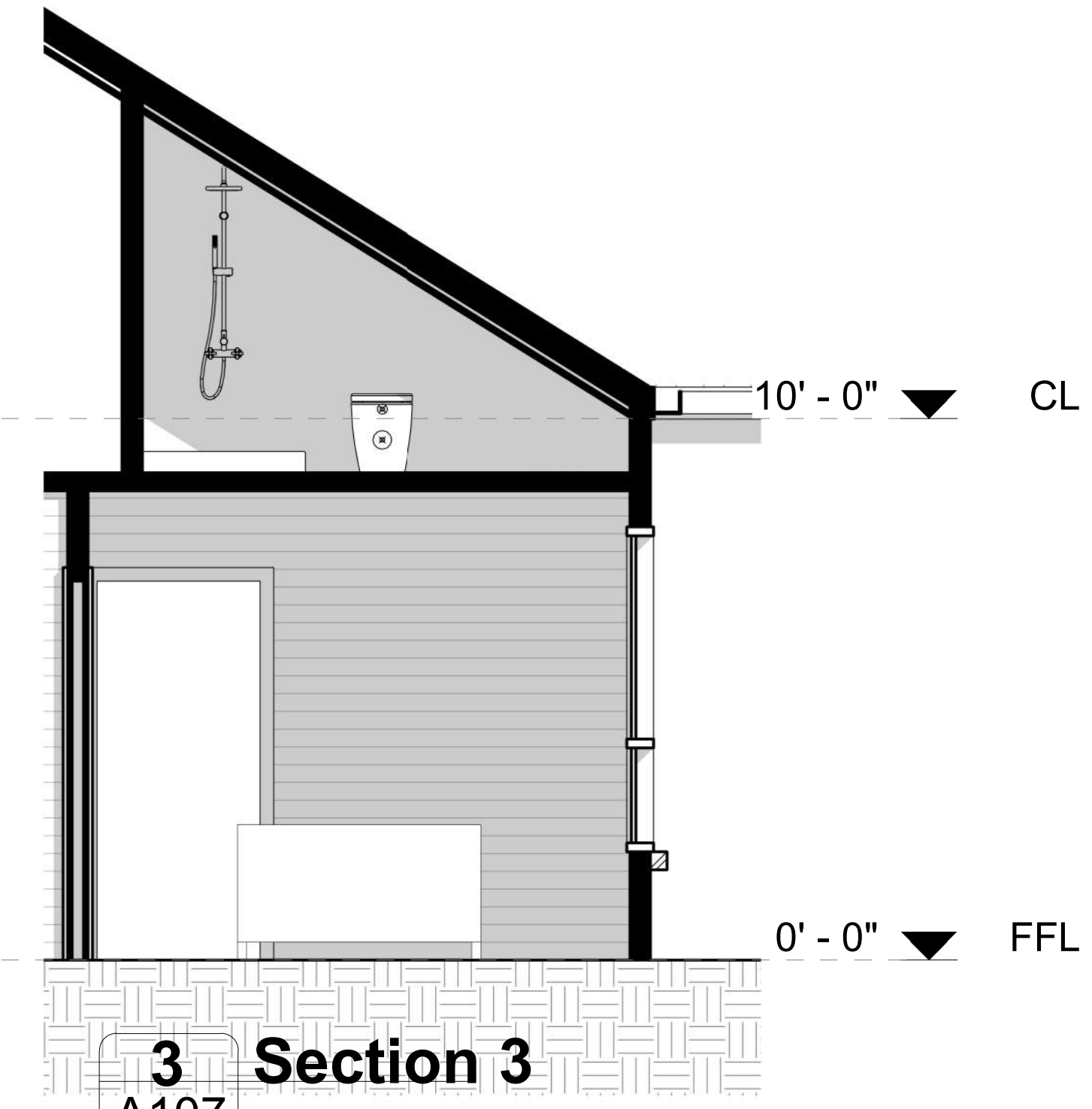
CL ▼ 10' - 0"

FFL ▼ 0' - 0"

CATHEDRAL CEILING
SLOPE 7 1/2" / 12"



2 Section 2
A107 Scale 3/8" = 1'-0"



3 Section 3
A107 Scale 3/8" = 1'-0"

GENERAL NOTES

BUILDER

N. Houston Ave.

CLIENT DETAILS

PROJECT DETAILS

Sections

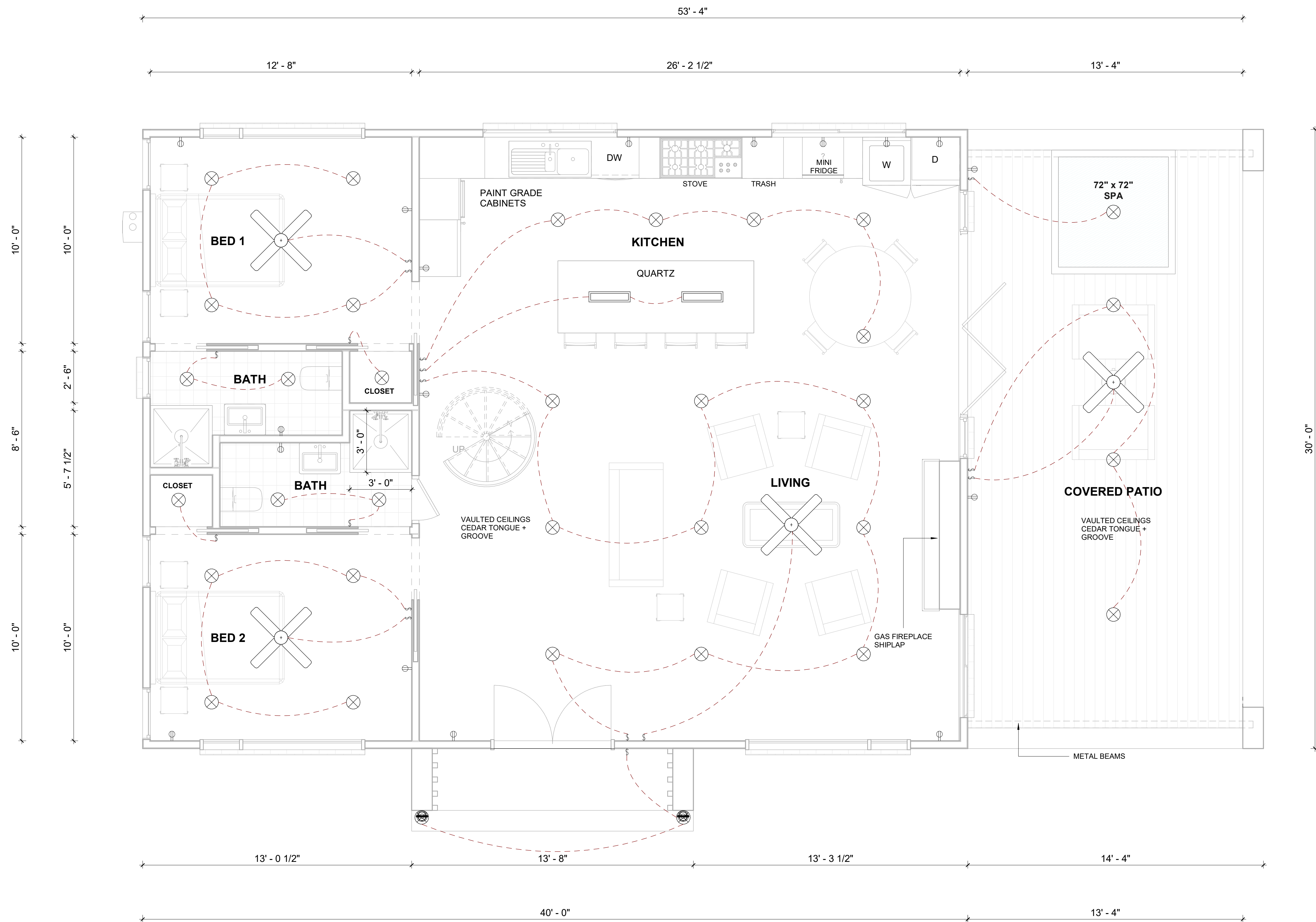
DRAWING SCALE DATE DRAWN SHEET SIZE

AS SHOWN 03/27/23 D

DRAWN DESIGNED CHECK

PROJECT NUMBER DRAWING NUMBER REVISION

A107



ELECTRICAL SCHEDULE	
SYMBOL	DESCRIPTION
§	SWITCH
§§	DBL-SWITCH
§§§	TRIPLE-SWITCH
⊕	DUPLEX
⊗	OVERHEAD LIGHT FIXTURE
⊞	PENDANT LIGHT FIXTURE
⊕	WALL LAMP
⊗	PADDLE FAN

1 **GROUND ELECTRICAL PLAN**
 A108 Scale 3/8" = 1'-0"

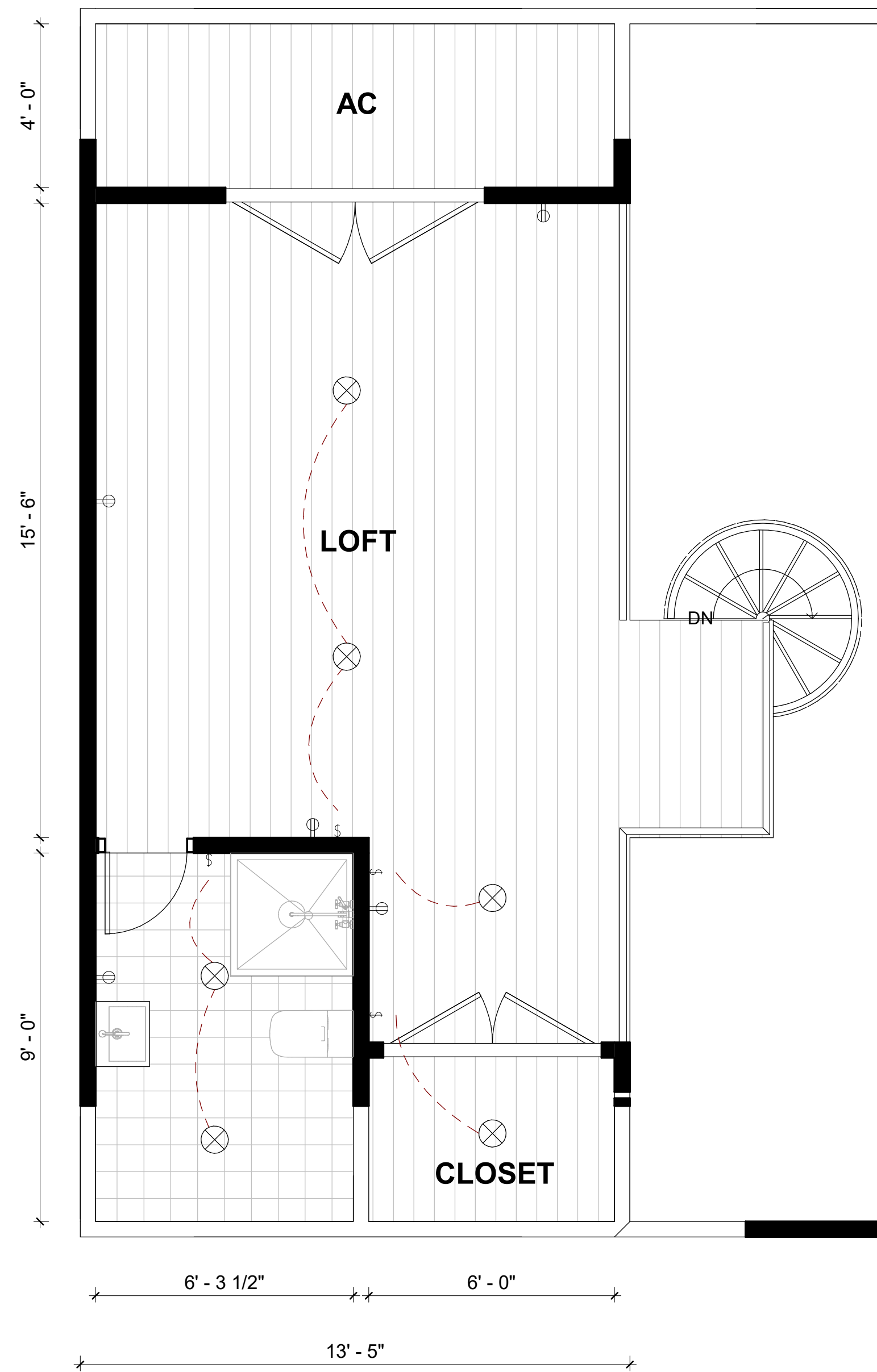
GENERAL NOTES

BUILDER
 N. Houston Ave.

CLIENT DETAILS

PROJECT DETAILS
 Ground floor - Electrical

DRAWING SCALE	DATE DRAWN	SHEET SIZE
AS SHOWN	05/16/23	D
DRAWN	DESIGNED	CHECK
PROJECT NUMBER	DRAWING NUMBER	REVISION
	A108	



ELECTRICAL SCHEDULE	
SYMBOL	DESCRIPTION
§	SWITCH
§§	DBL-SWITCH
§§§	TRIPLE-SWITCH
⌚	DUPLEX
⊗	OVERHEAD LIGHT FIXTURE
▭	PENDANT LIGHT FIXTURE
⊙	WALL LAMP
⊗	PADDLE FAN

1 LOFT ELECTRICAL PLAN
 A109 Scale 3/8" = 1'-0"

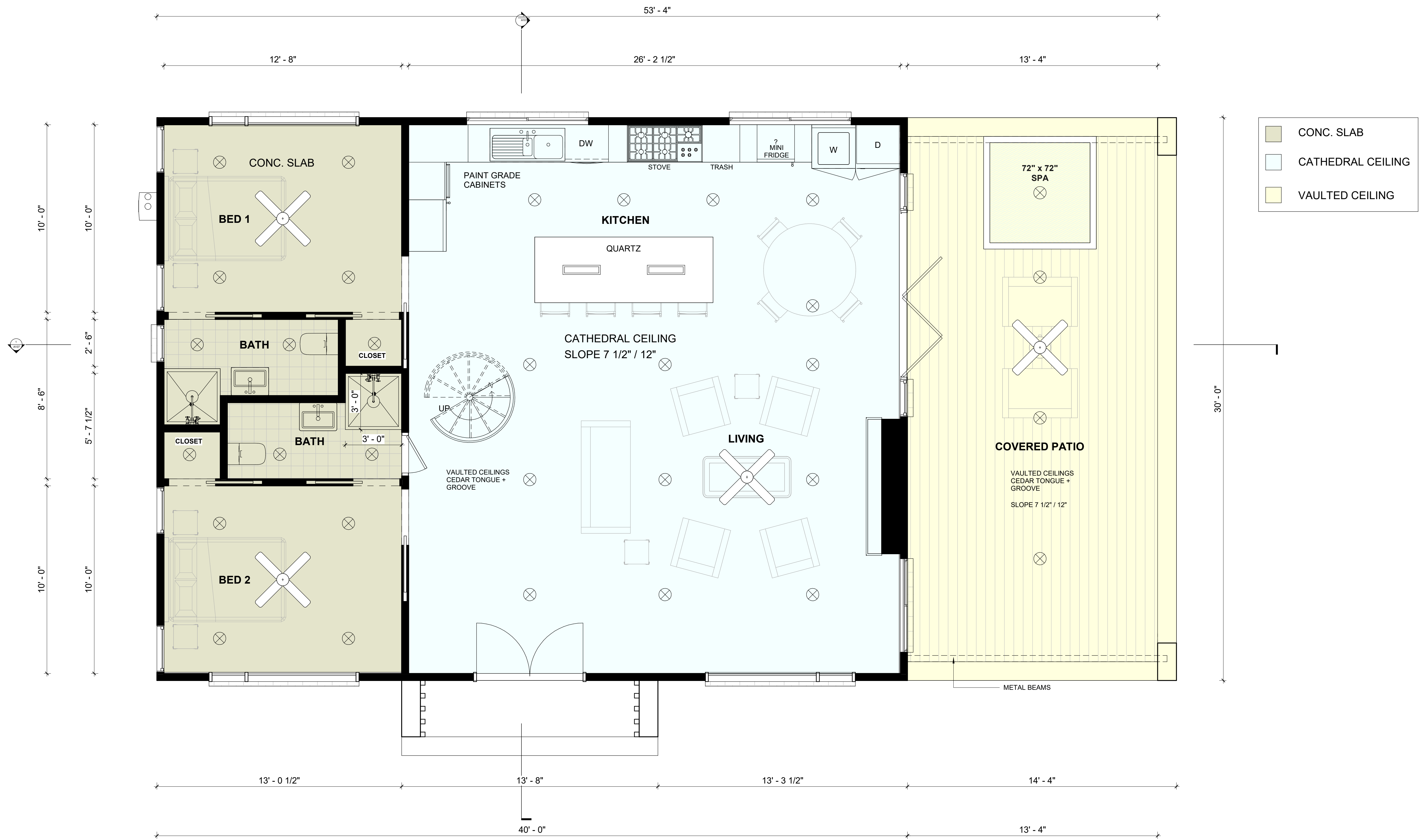
GENERAL NOTES

BUILDER
 N. Houston Ave.

CLIENT DETAILS

PROJECT DETAILS
 Loft floor - Electrical

DRAWING SCALE	DATE DRAWN	SHEET SIZE
AS SHOWN	05/16/23	D
DRAWN	DESIGNED	CHECK
PROJECT NUMBER	DRAWING NUMBER	REVISION
	A109	



1 GROUND FLOOR CEILING PLAN
 A110 Scale 3/8" = 1'-0"

GENERAL NOTES

BUILDER

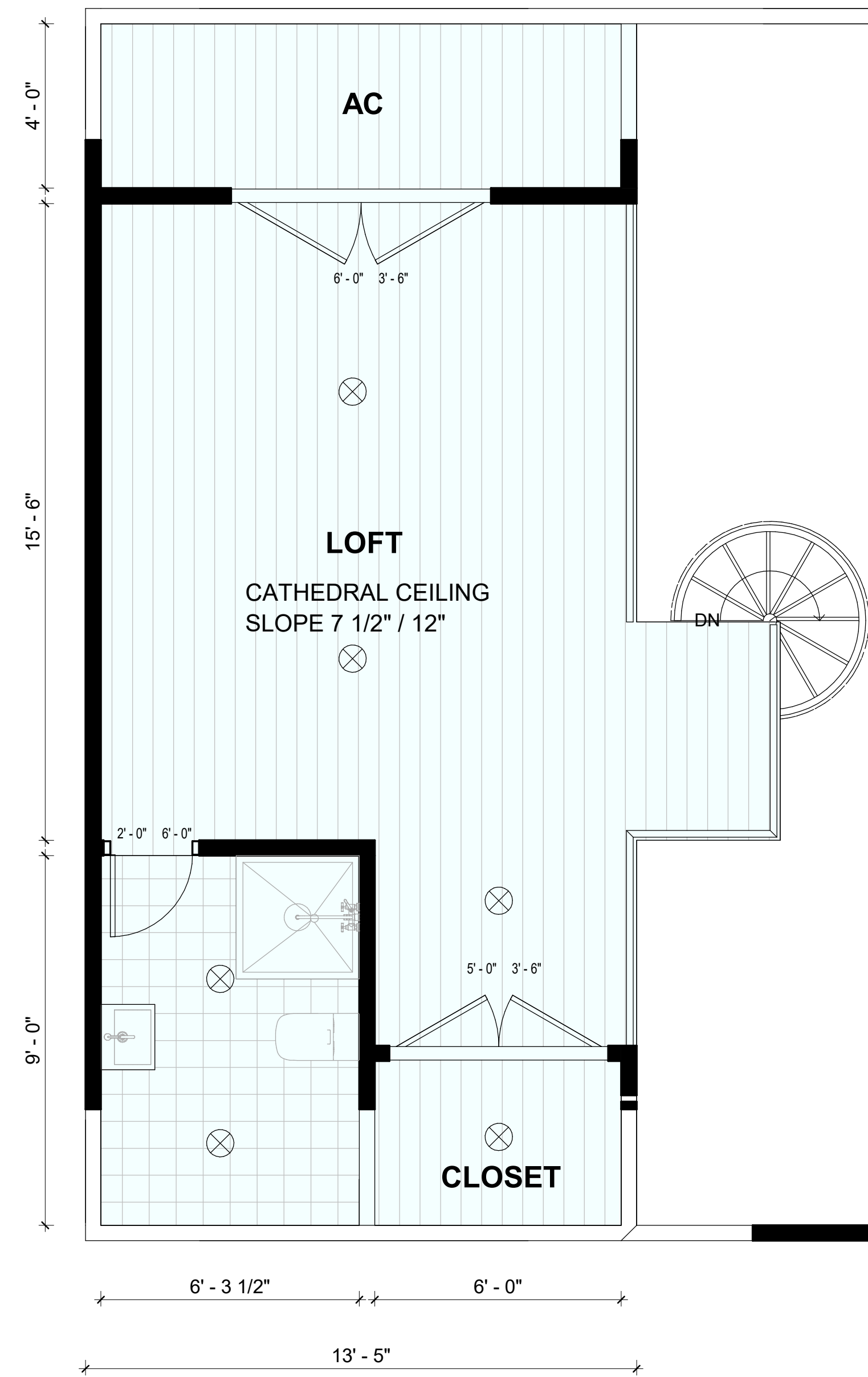
N. Houston Ave.

CLIENT DETAILS

PROJECT DETAILS

Ground floor Ceiling plan

DRAWING SCALE	DATE DRAWN	SHEET SIZE
AS SHOWN	05/16/23	D
DRAWN	DESIGNED	CHECK
PROJECT NUMBER	DRAWING NUMBER	REVISION
		A110

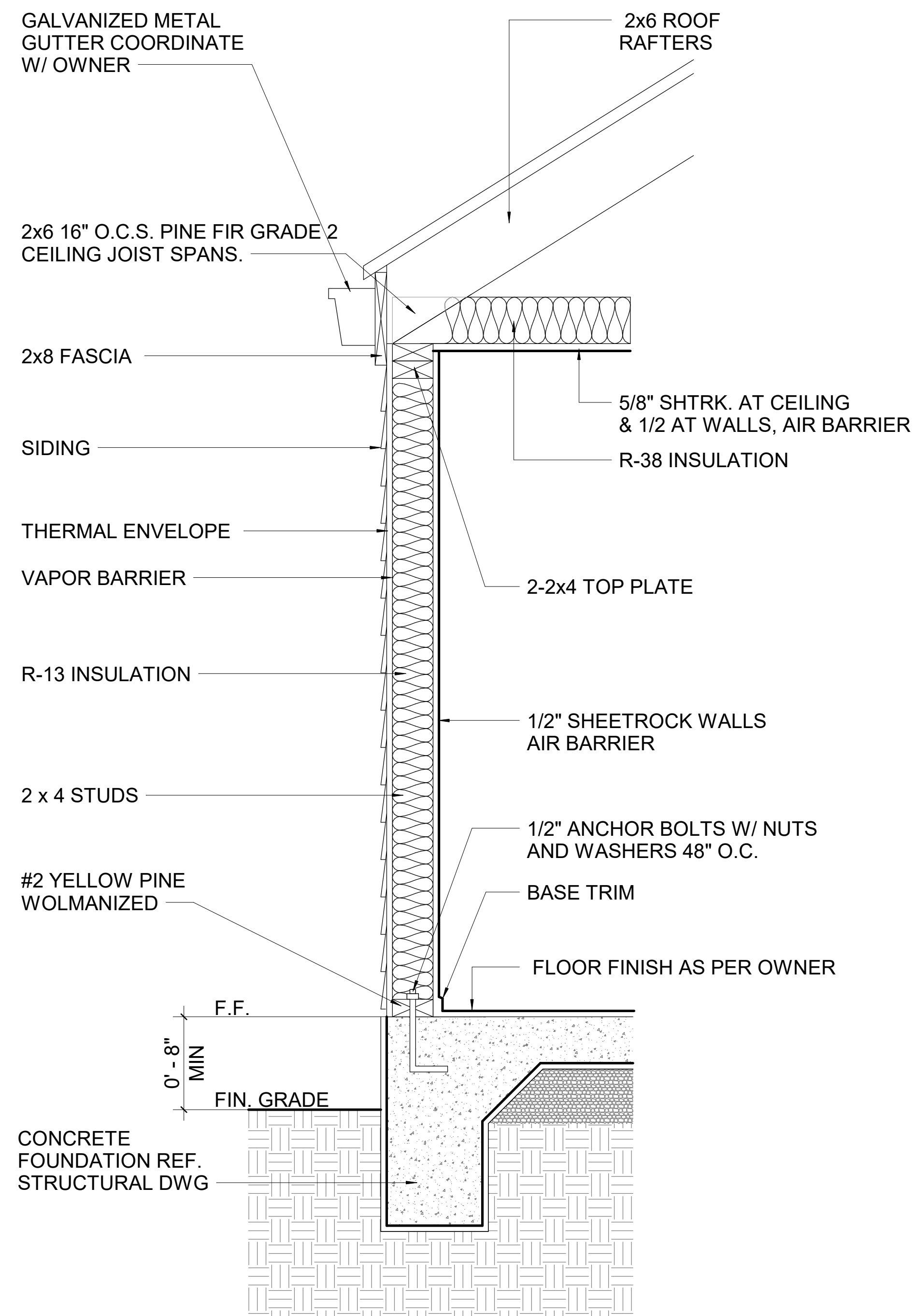


1 LOFT CEILING PLAN
A111 Scale 3/8" = 1'-0"

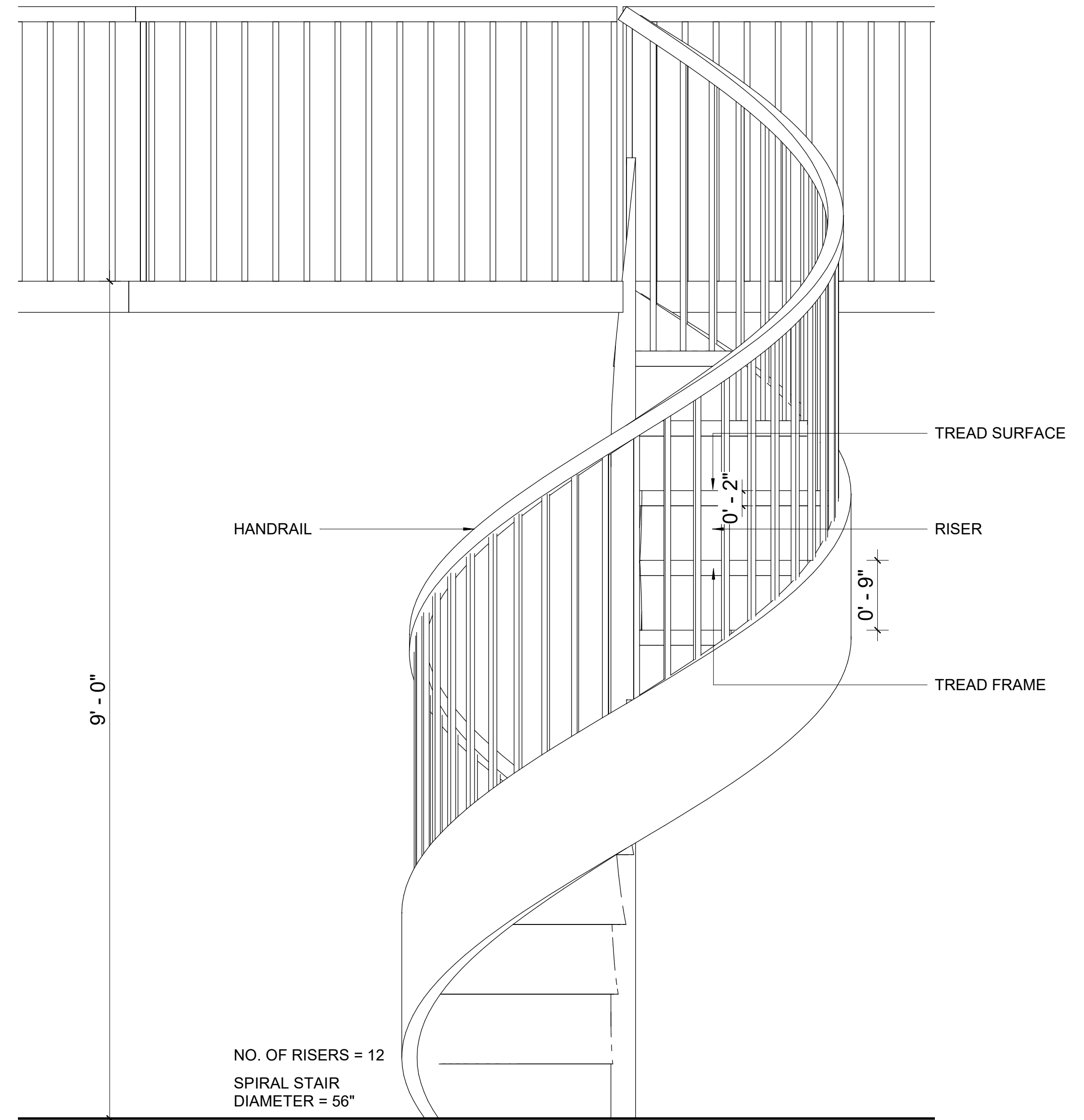
GENERAL NOTES

BUILDER
N. Houston Ave.
CLIENT DETAILS
PROJECT DETAILS
Loft floor - Ceiling plan

DRAWING SCALE	DATE DRAWN	SHEET SIZE
AS SHOWN	05/16/23	D
DRAWN	DESIGNED	CHECK
PROJECT NUMBER	DRAWING NUMBER	REVISION
	A111	



1 WALL SECTION DETAIL
 A112 Scale 1 1/2" = 1'-0"



2 STAIR DETAIL
 A112 Scale 1" = 1'-0"

GENERAL NOTES

BUILDER

N. Houston Ave.

CLIENT DETAILS

PROJECT DETAILS

Details

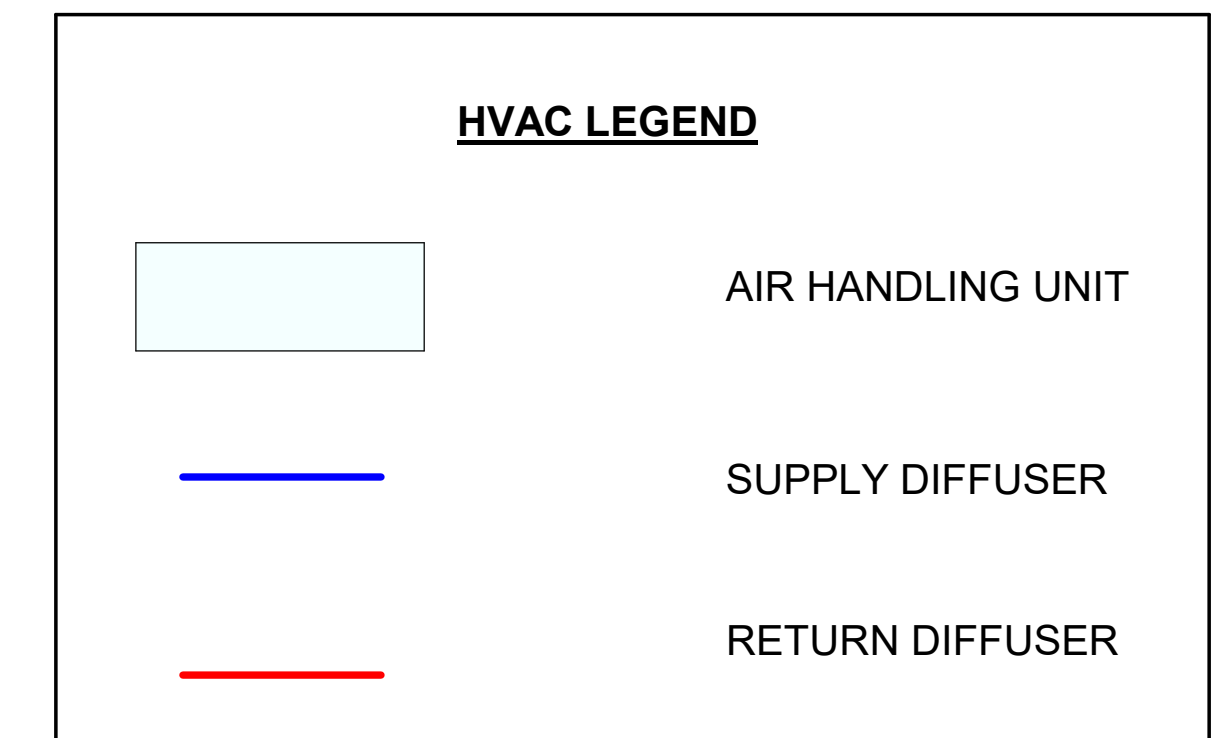
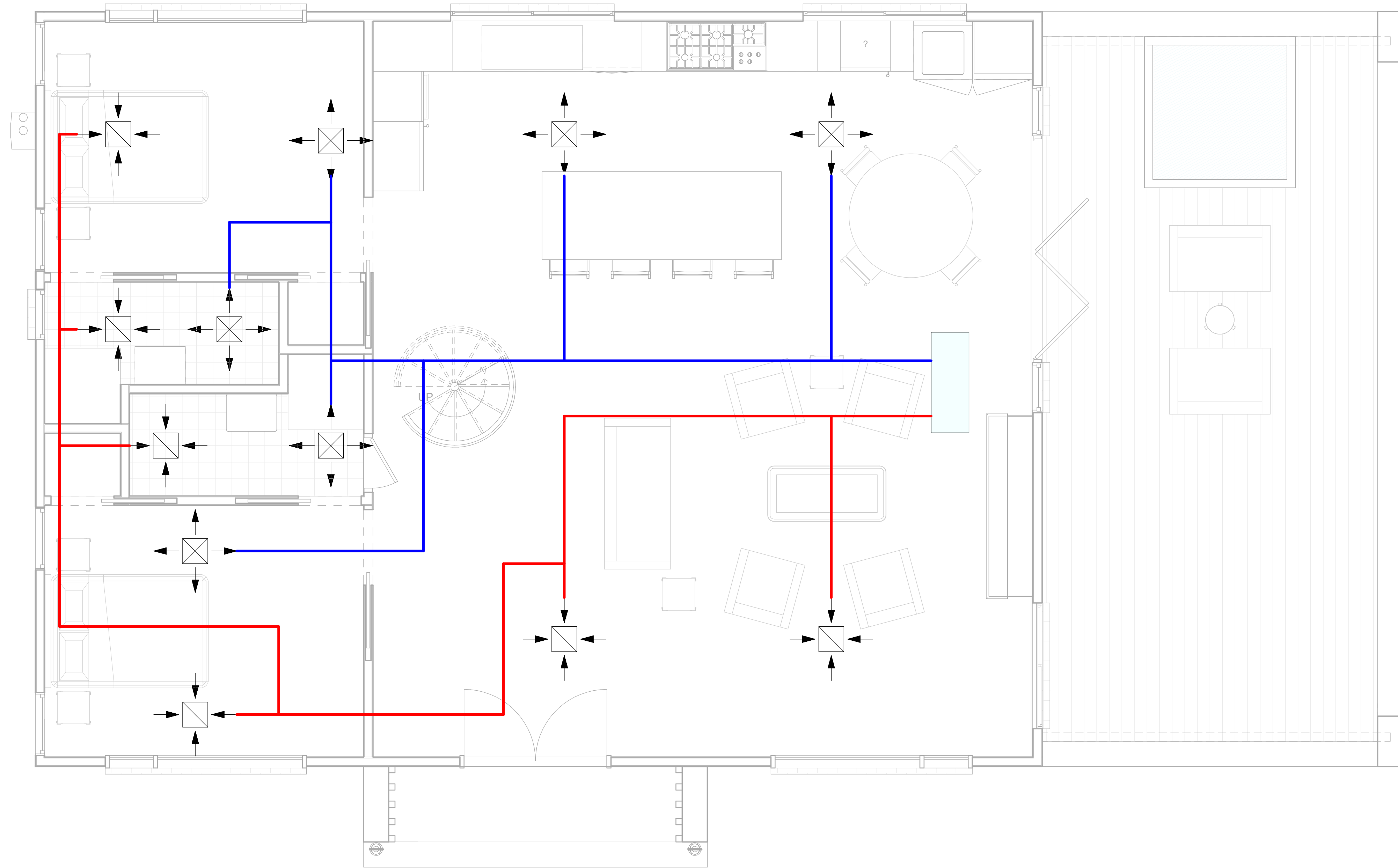
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AS SHOWN 05/16/23 D

DRAWN DESIGNED CHECK

PROJECT NUMBER DRAWING NUMBER REVISION

A112

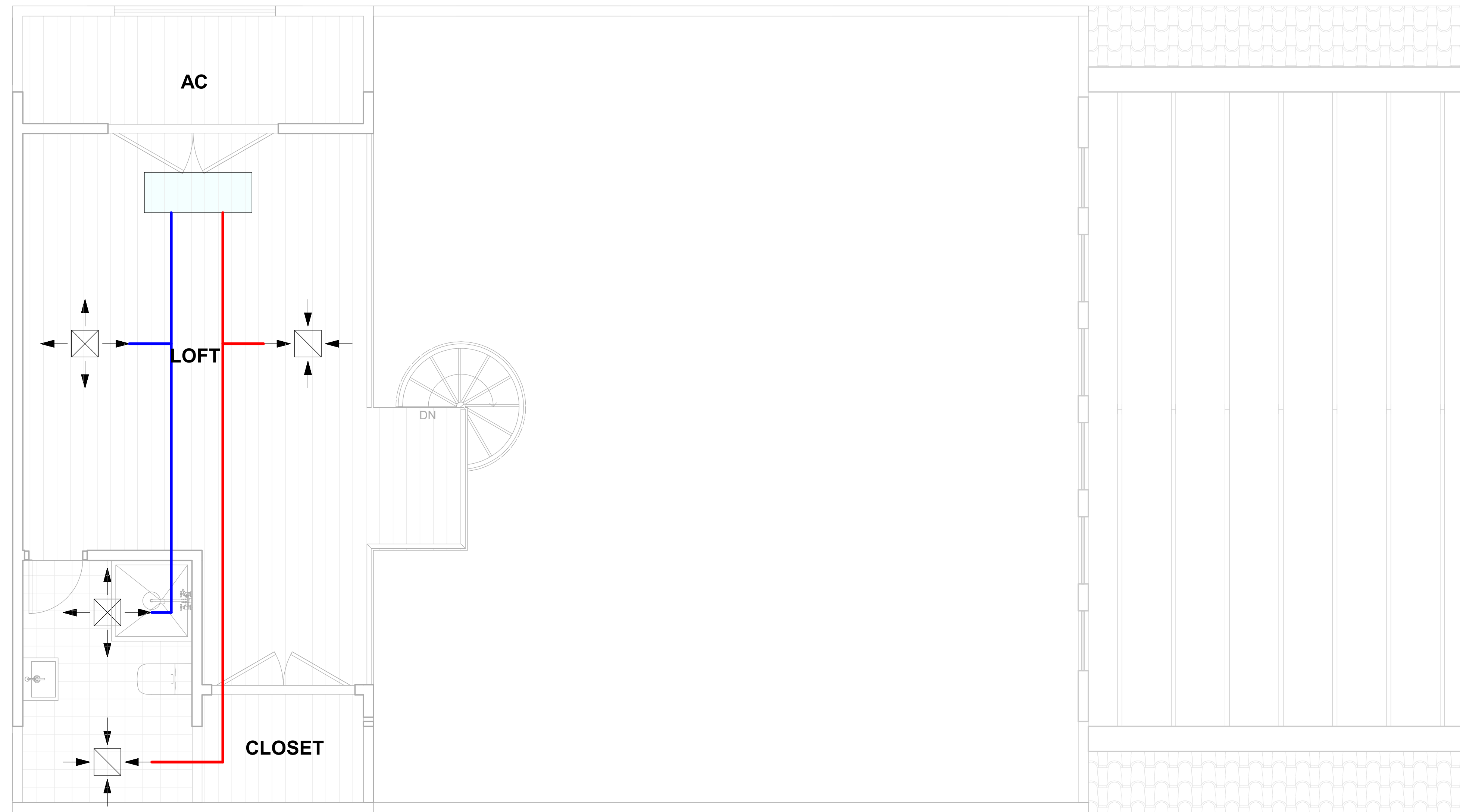


1 **GROUND FLOOR HVAC**
 A113 Scale 3/8" = 1'-0"

GENERAL NOTES

BUILDER	N. Houston Ave.
CLIENT DETAILS	
PROJECT DETAILS	
Ground floor - HVAC	

DRAWING SCALE	DATE DRAWN	SHEET SIZE
AS SHOWN	06/13/23	D
DRAWN	DESIGNED	CHECK
PROJECT NUMBER	DRAWING NUMBER	REVISION
	A113	



1 LOFT PLAN HVAC
 A114 Scale 3/8" = 1'-0"

GENERAL NOTES

BUILDER
N. Houston Ave.
CLIENT DETAILS
PROJECT DETAILS
Loft floor - HVAC

DRAWING SCALE	DATE DRAWN	SHEET SIZE
AS SHOWN	06/13/23	D
DRAWN	DESIGNED	CHECK
PROJECT NUMBER	DRAWING NUMBER	REVISION
	A114	

NO.	NAME	PLAN VIEW	ELEVATION VIEW	NO.	NAME	PLAN VIEW	ELEVATION VIEW
1.	8' 0" . 6' 0"			5.	5' 0" . 6' 0"		
2.	6' 6" . 4' 0"			6.	2' 0" . 6' 0"		
3.	2' 0" . 7' 0"			7.	6' 0" . 3' 0"		
4.	2' 0" . 4' 0"			8.	5' 0" . 1' 0"		
				9.	2' 0" . 1' 0"		

 **WINDOW LEGEND**
Scale 1/4" = 1'-0"

NO.	NAME	FLOOR PLAN VIEW	ELEVATION VIEW	NO.	NAME	FLOOR PLAN VIEW	ELEVATION VIEW
1.	9' 0" . 9' 0"			4.	2' 6" . 7' 0"		
2.	6' 0" . 8' 0"			5.	2' 0" . 7' 0"		
3.	3' 0" . 7' 0"						

 **DOOR LEGEND**
Scale 1/4" = 1'-0"

GENERAL NOTES

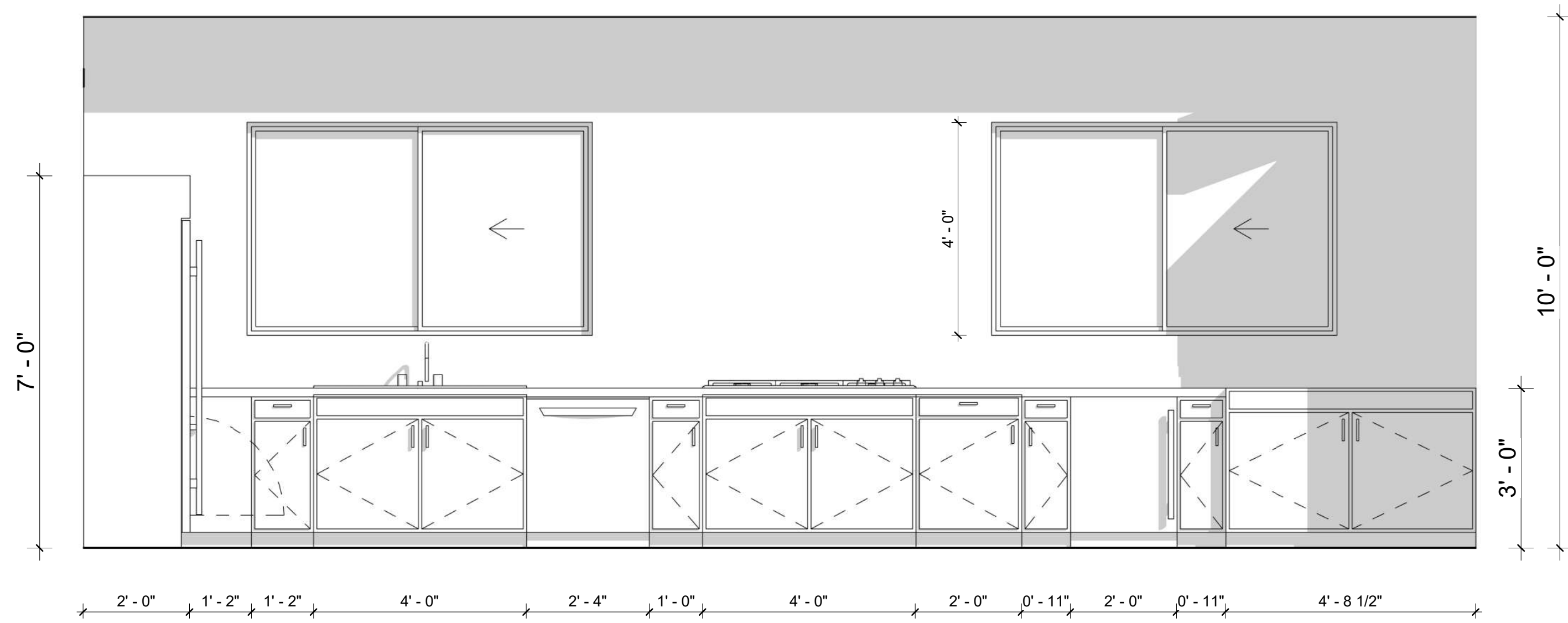
BUILDER
N. Houston Ave.

CLIENT DETAILS

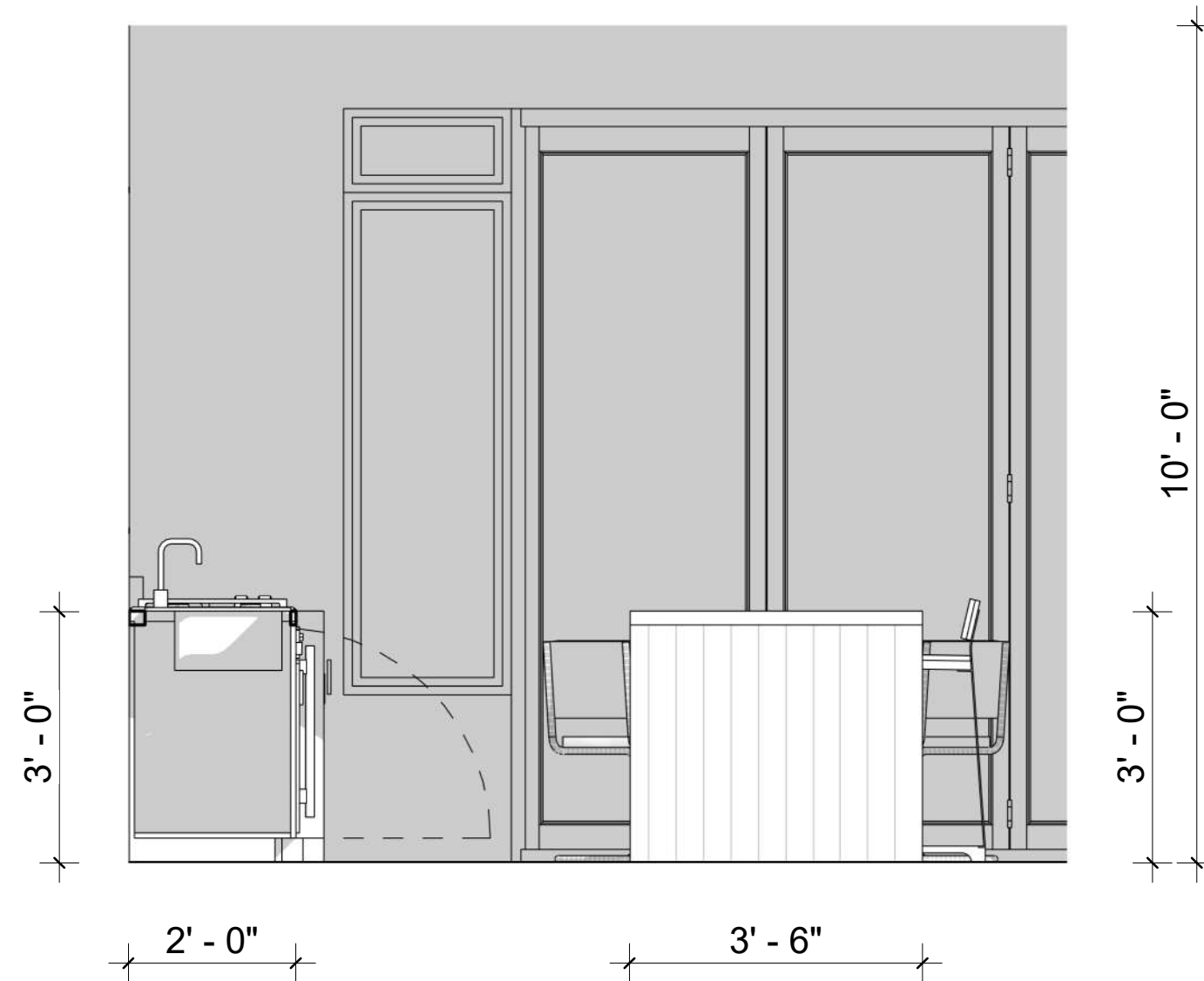
PROJECT DETAILS

Door/Window Legend

DRAWING SCALE	DATE DRAWN	SHEET SIZE
AS SHOWN	05/16/23	D
DRAWN	DESIGNED	CHECK
PROJECT NUMBER	DRAWING NUMBER	REVISION
		A115



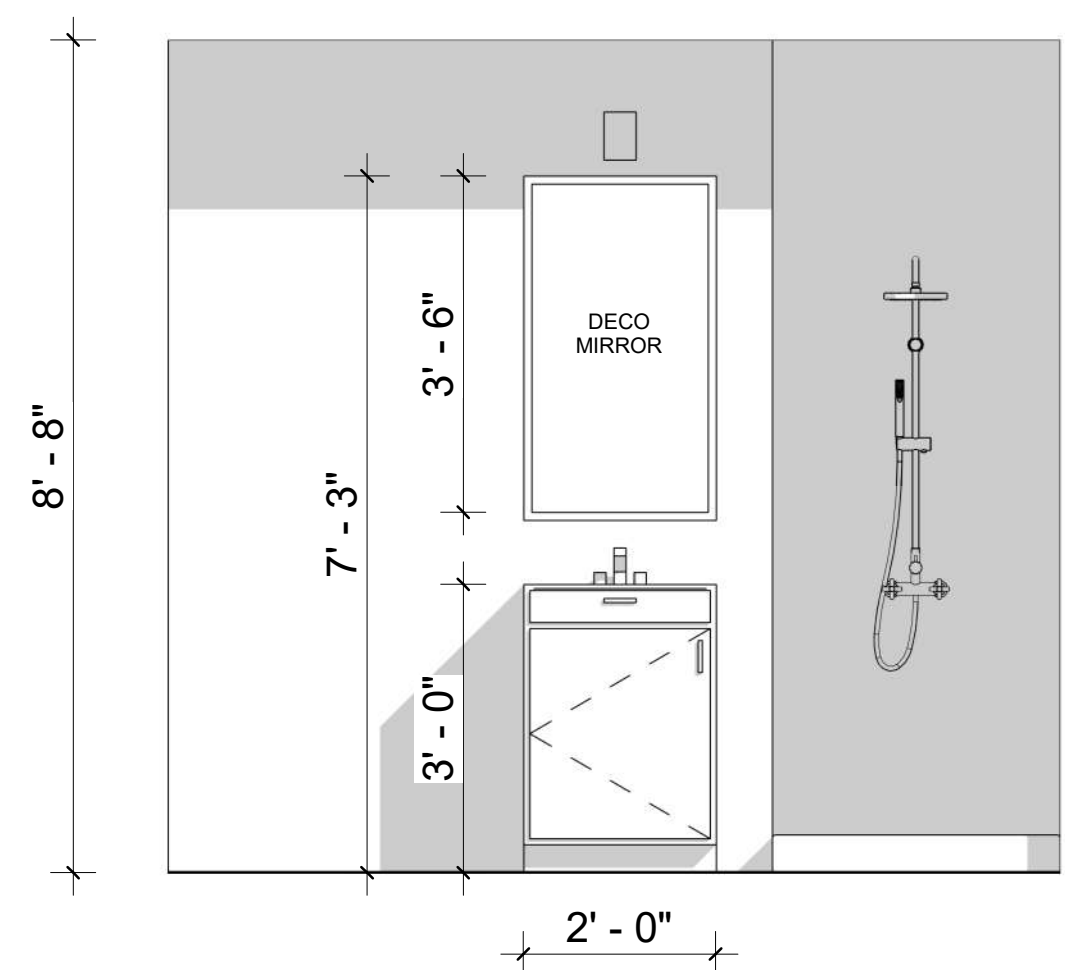
1 KITCHEN 1
A116 Scale 1/2" = 1'-0"



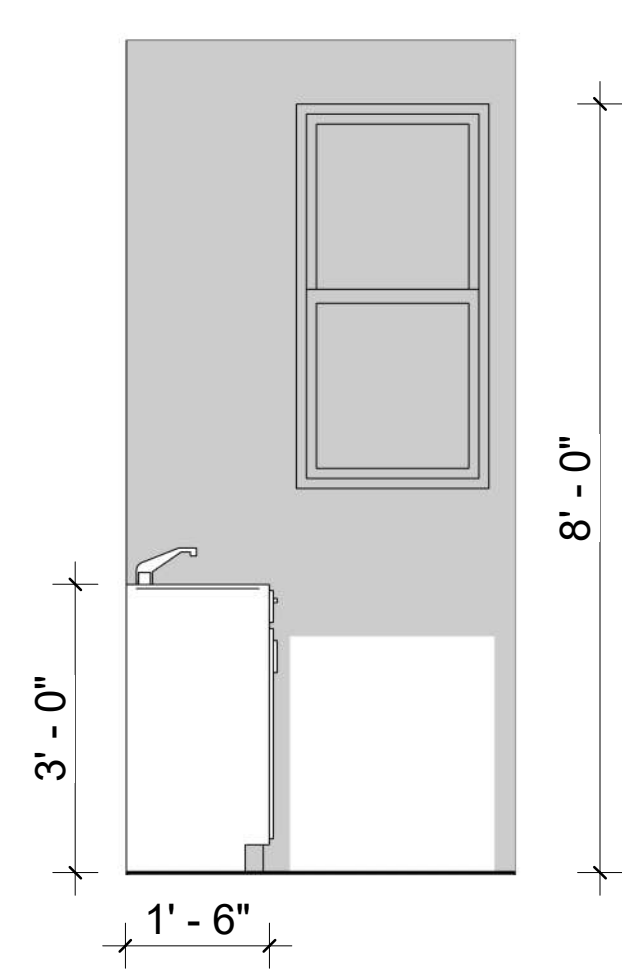
2 KITCHEN 2
A116 Scale 1/2" = 1'-0"



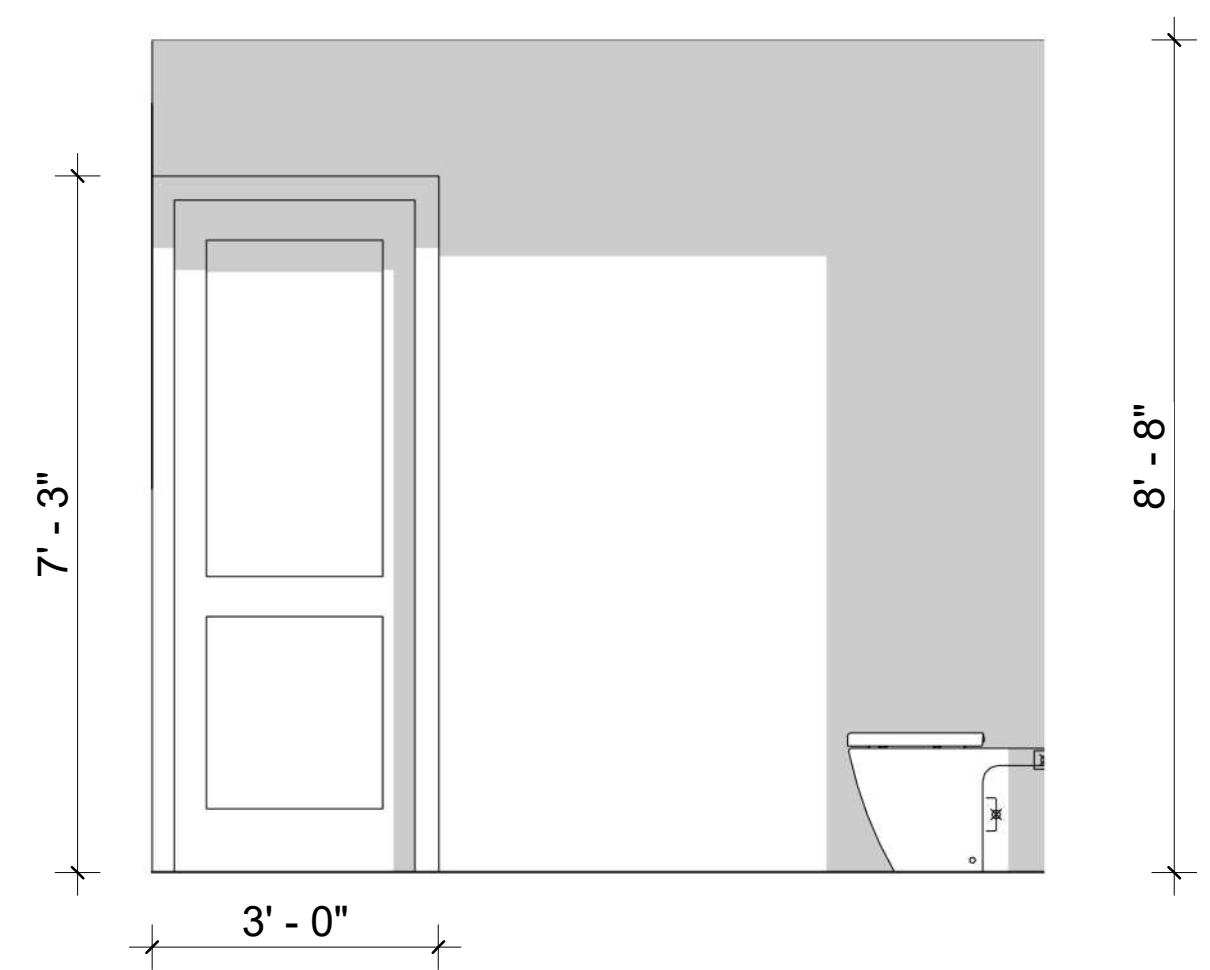
3 KITCHEN 3
A116 Scale 1/2" = 1'-0"



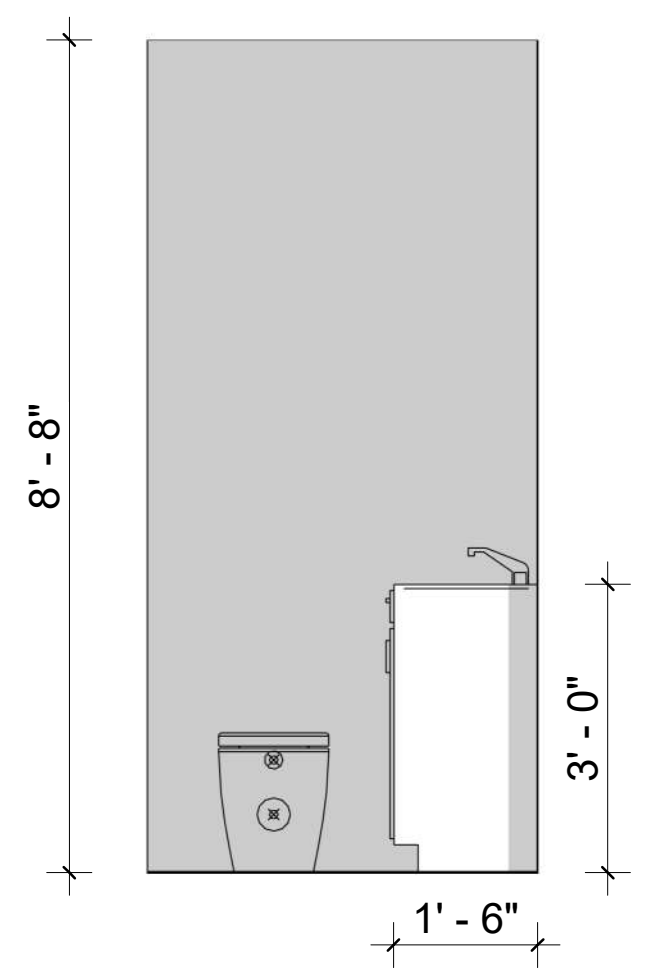
4 BATH 1
A116 Scale 1/2" = 1'-0"



5 BATH 2
A116 Scale 1/2" = 1'-0"



6 BATH 3
A116 Scale 1/2" = 1'-0"



7 BATH 4
A116 Scale 1/2" = 1'-0"

GENERAL NOTES

BUILDER

N. Houston Ave.

CLIENT DETAILS

PROJECT DETAILS

Interior Elevations

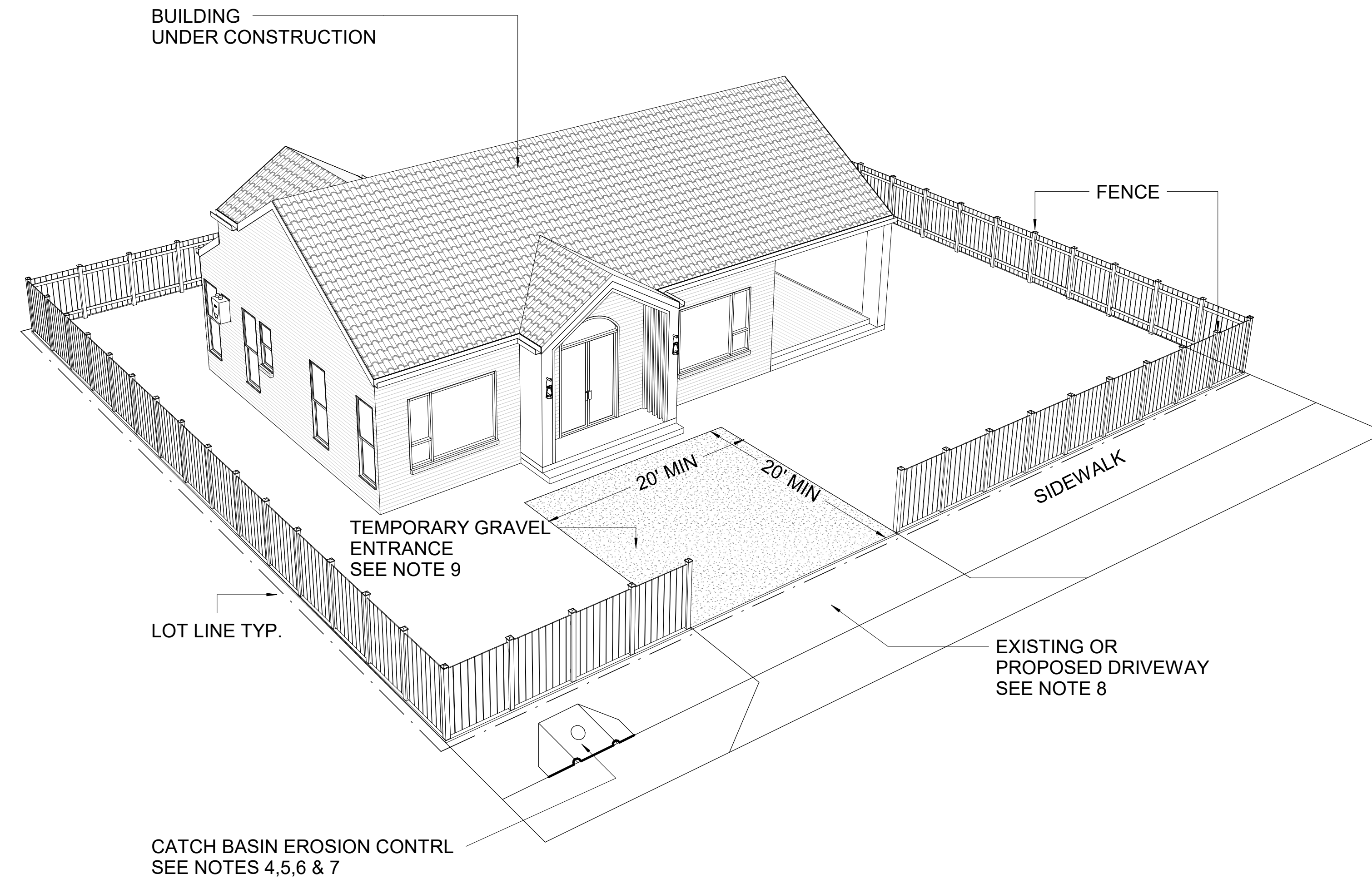
DRAWING SCALE DATE DRAWN SHEET SIZE

AS SHOWN 05/21/23 D

DRAWN DESIGNED CHECK

PROJECT NUMBER DRAWING NUMBER REVISION

A116



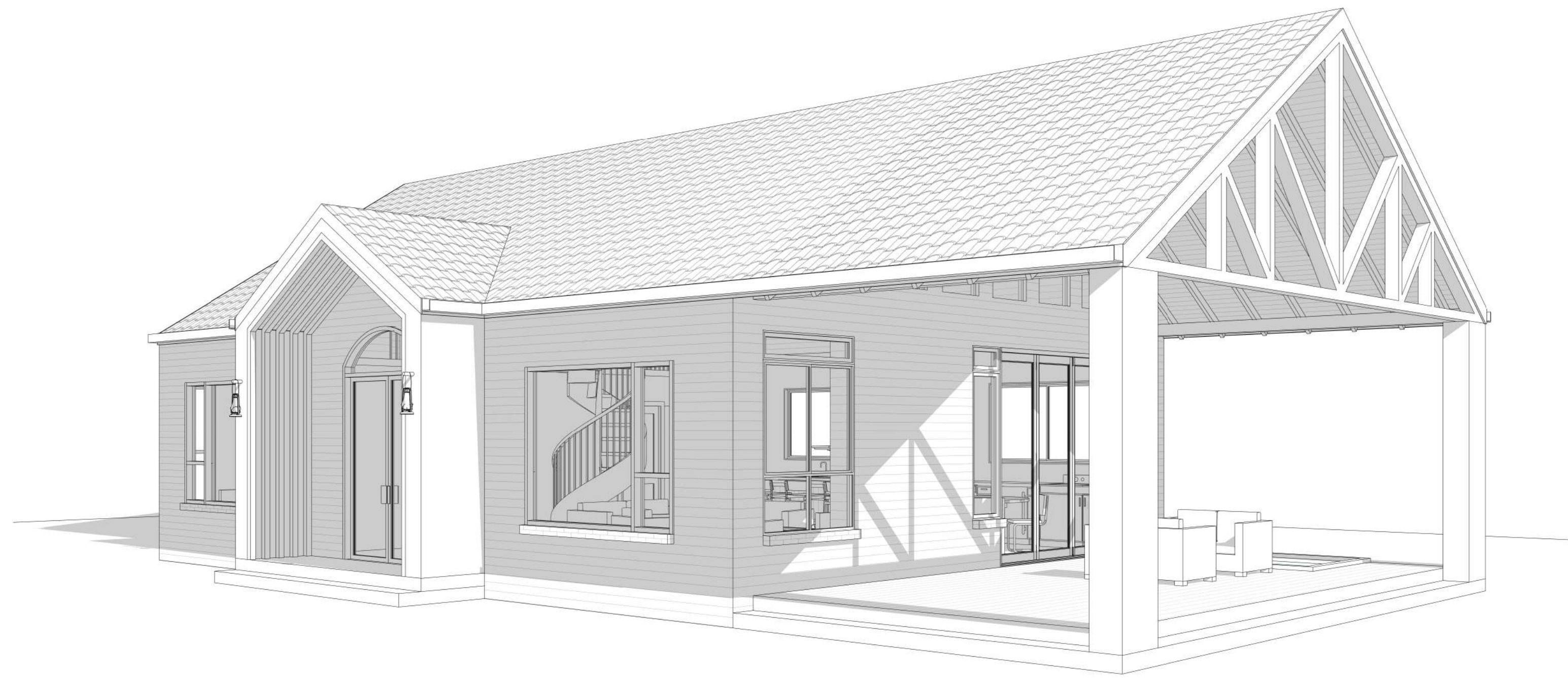
NOTES

1. NON-CONFORMANCE WITH THE ITEMS LISTED OR SHOWN ON THIS DETAIL MAY RESULT IN A "STOP WORK" ORDER.
2. THE PURPOSE OF THIS DETAIL IS TO ASSIST THE DEVELOPER/BUILDER MEET THE MINIMUM REQUIREMENTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT ISSUED TO THE CITY OF IN MEETING.
3. THIS DETAIL IS FOR CONSTRUCTION SITES OF LESS THAN ONE ACRE.
4. INSPECT AND MAINTAIN ALL EROSION CONTROL DEVICES DAILY AND/OR AFTER A RAINFALL.
5. FOR CURB INLET FILTER REQUIREMENTS, SEE STANDARD DETAIL-CURB INLET FILTER FOR EROSION CONTROL AT CATCH BASIN.
6. ALL SOIL EROSION CONTROL DEVICES MUST REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED. ALL DISTURBED AREAS SHALL BE SODDED AFTER FINAL GRADING.
7. KEEP CONSTRUCTION SITE LITTER/DEBRIS, AND LEAKING CONTAINERS IN ORDERLY CONTAINMENT AREAS.
8. FOR ALL SAND AND SOIL STOCKPILES, DUST/EROSION CONTROL MEASURES SHALL BE PROMOTED.
9. REGULARLY REMOVE COLLECTED SEDIMENT AND DEBRIS FROM THE SILT BARRIERS AND GUTTER FLOW LINE.
10. SWEEP ENTRANCE AND ADJACENT ROADWAY WEEKLY TO KEEP FREE OF CONSTRUCTION DEBRIS.
11. SWEEP PAVED SURFACES ONLY. DO NOT WASH DOWN UNTIL SITE IS FINISHED.
12. SINGLE FAMILY INFILL LOTS MAY REQUIRE SILT FENCE AS ORDERED OR DIRECTED BY THE CITY BUILDING OFFICIAL.

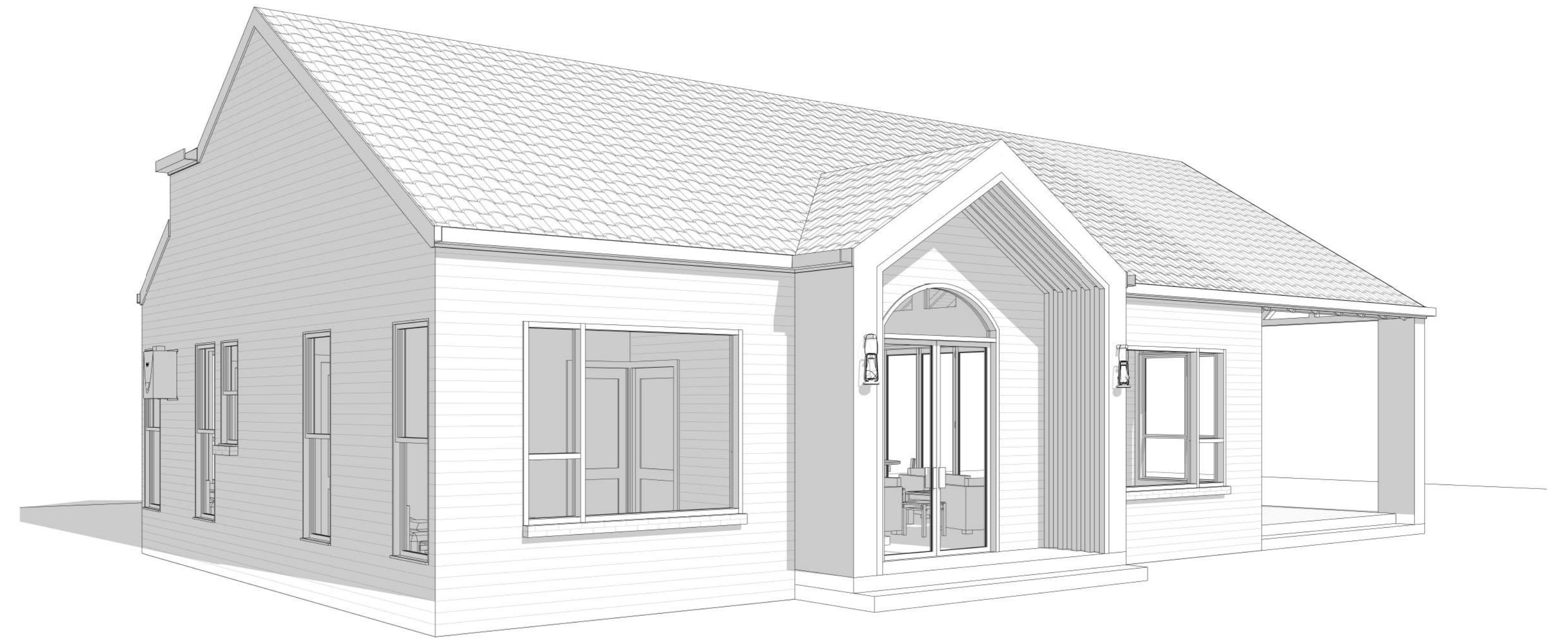
GENERAL NOTES

BUILDER	N. Houston Ave.
CLIENT DETAILS	
PROJECT DETAILS	
EROSION PLAN	

DRAWING SCALE	DATE DRAWN	SHEET SIZE
AS SHOWN	06/14/23	D
DRAWN	DESIGNED	CHECK
PROJECT NUMBER	DRAWING NUMBER	REVISION
	A117	



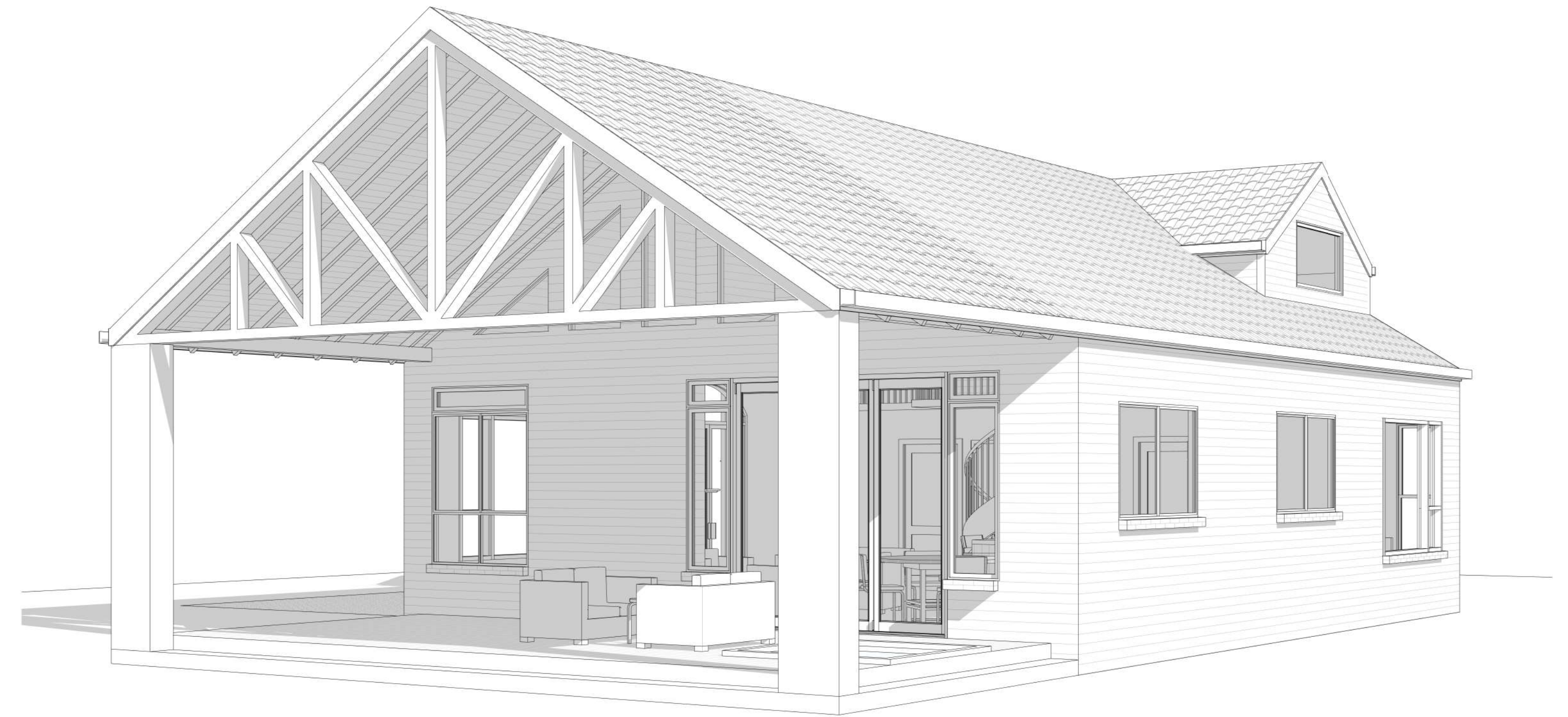
1 3D View 1
A118 Scale



2 3D View 2
A118 Scale



3 3D View 3
A118 Scale



4 3D View 4
A118 Scale

GENERAL NOTES

BUILDER
N. Houston Ave.
CLIENT DETAILS
PROJECT DETAILS
3D Views

DRAWING SCALE	DATE DRAWN	SHEET SIZE
AS SHOWN	03/27/23	D
DRAWN	DESIGNED	CHECK
PROJECT NUMBER	DRAWING NUMBER	REVISION
	A118	



**DETAILED DESIGN DRAWINGS
FOR HVAC WORKS**

**JUNE 2023
VERSION 1.0**

**N HOUSTON AVE.
PRELIMINARY DRAWINGS FOR
PROPOSED HOME**

DESIGN DEVELOPMENT

no.	date	eng.	revisions

MEP Consultant:



drawing title

COVER SHEET

designed MUF	coordinated MUF	drawing No: M00.00				
checked MUF	approved MUF	revision suffix				
scale N.T.S	date JUNE, 2023	drawn MA	job no.			

HVAC LIST OF DRAWINGS

DWG #	DESCRIPTION	SCALE
M000	A.C TITLE SHEET	N.T.S
M01.01	A.C LIST OF DRAWINGS & SCHEULES	N.T.S
M01.02	A.C STANDARD DETIALS	N.T.S
M02.01	A.C LAYOUT FOR GROUND FLOOR	1/8"=1'-0"
M02.02	A.C LAYOUT FOR LOFT FLOOR	1/8"=1'-0"

HVAC LEGENDS	
SYMBOL	DESCRIPTION
	CEILING MOUNTED FAN COIL UNIT (FCU)
	EXHAUST FAN
	CONDENSING OUT DOOR UNIT
	COPPER REFRIGERANT PIPE
	SUPPLY AIR DIFFUSERS (SAD)
	EXHAUST AIR DIFFUSER (SQUARE TYPE -TYPICAL 6"x6")
	RETURN AIR DIFFUSER (SQUARE TYPE)
	SUPPLY AIR DUCT
	RETURN AIR DUCT
	EXHAUST AIR DUCT
	FRESH AIR DUCT
	KITCHEN HOOD
	EXHAUST AIR LOUVER
	FRESH AIR LOUVER

INVERTER DRIVEN HEAT PUMP CEILING MOUNTED SYSTEM													
S. NO.	EQUIPMENT NO.	AREA SERVED	MODEL	UNIT TYPE	LOCATION	QUANTITY	SPPLY AIR (CFM)	NOMINAL SENSIBLE CAPACITY (BTU/HR)	TOTAL CAPACITY (BTU/HR)	TOTAL CAPACITY (TR)	MOTOR POWER (kW)	ELECTRICAL CHARACTERSTICS	REMARKS
1	FCU-01	BED ROOM / MAIN HALL	TO SELECTED BY CONTRACTOR	INVERTER DRIVEN HEAT PUMP CEILING MOUNTED	GROUND FLOOR	1	1,396	38,400	48,000	4.0	4.8	208/230 V ~ 60 H	
2	FCU-02	LOFT ROOM	TO SELECTED BY CONTRACTOR	INVERTER DRIVEN HEAT PUMP CEILING MOUNTED	LOFT FLOOR	1	524	14,400	18,000	1.5	1.8	208/230 V ~ 60 H	

EXHAUST FANS										
S. NO.	EQUIPMENT TAG	SERVICE	EQUIPMENT TYPE	LOCATION	QUANTITY	AIRFLOW (CFM)	EXTERNAL STATIC PRESSURE (INCH)	MOTOR POWER (kW)	ELECTRICAL CHARACTERSTICS	REMARKS
1	EXD-01	KITCHEN HOOD EXHAUST	INLINE DUCTED	GROUND LEVEL	1	880	0.2	0.05	208/230 V ~ 60 H	WITH GRAVITY LOUVER
2	EXD-02	BATH	INLINE DUCTED	GROUND LEVEL	1	100	0.2	0.05	208/230 V ~ 60 H	WITH GRAVITY LOUVER
3	EXD-03	BATH	INLINE DUCTED	LOFT LEVEL	1	50	0.2	0.05	208/230 V ~ 60 H	WITH GRAVITY LOUVER
4	VF-01	KITCHEN HOOD VENTILATION	INLINE DUCTED	GROUND LEVEL	1	800	0.2	0.05	208/230 V ~ 60 H	WITH GRAVITY LOUVER

N HOUSTON AVE.
 PRELIMINARY DRAWINGS FOR
 PROPOSED HOME

DESIGN DEVELOPMENT

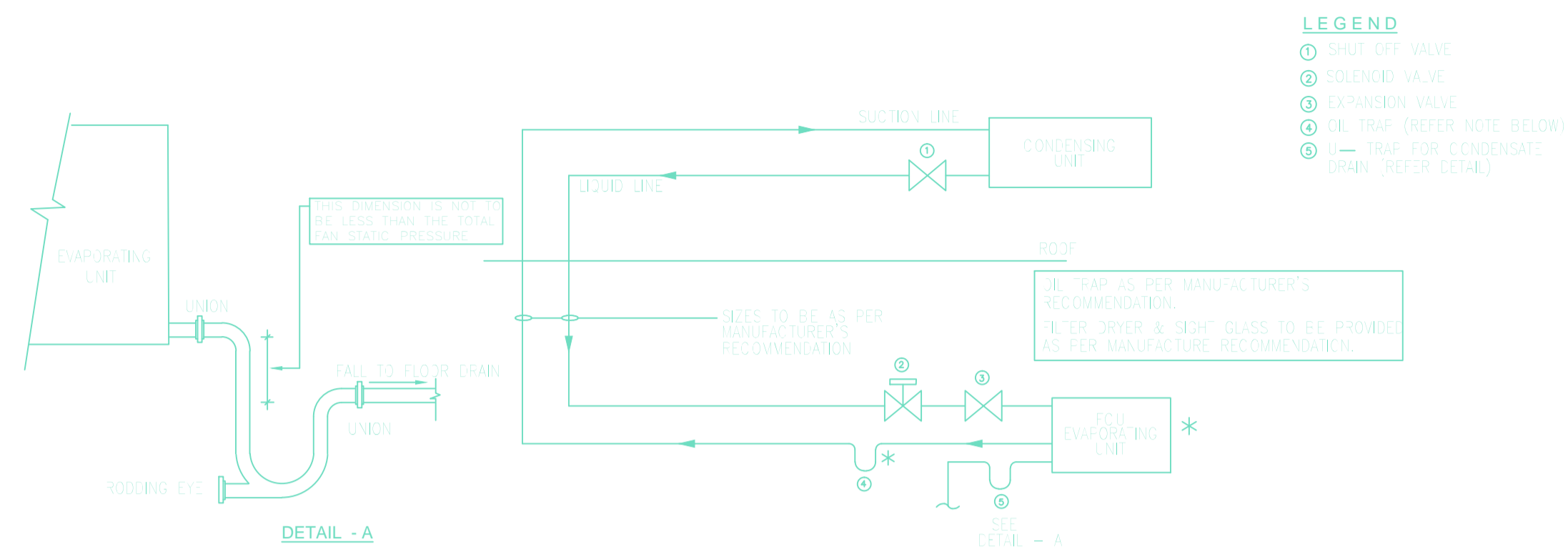
no.	date	eng.	revisions

MEP Consultant:

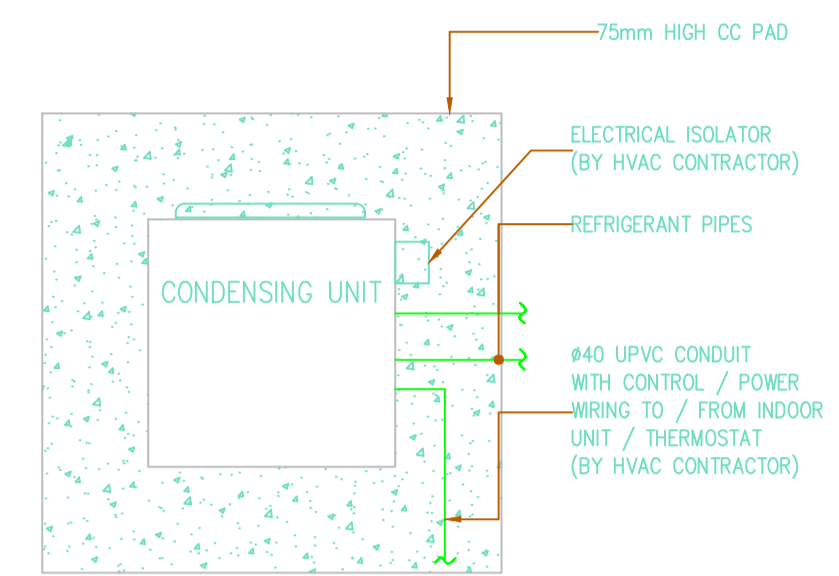
drawing title

A-C LIST OF DRAWINGS & SCHEDULES

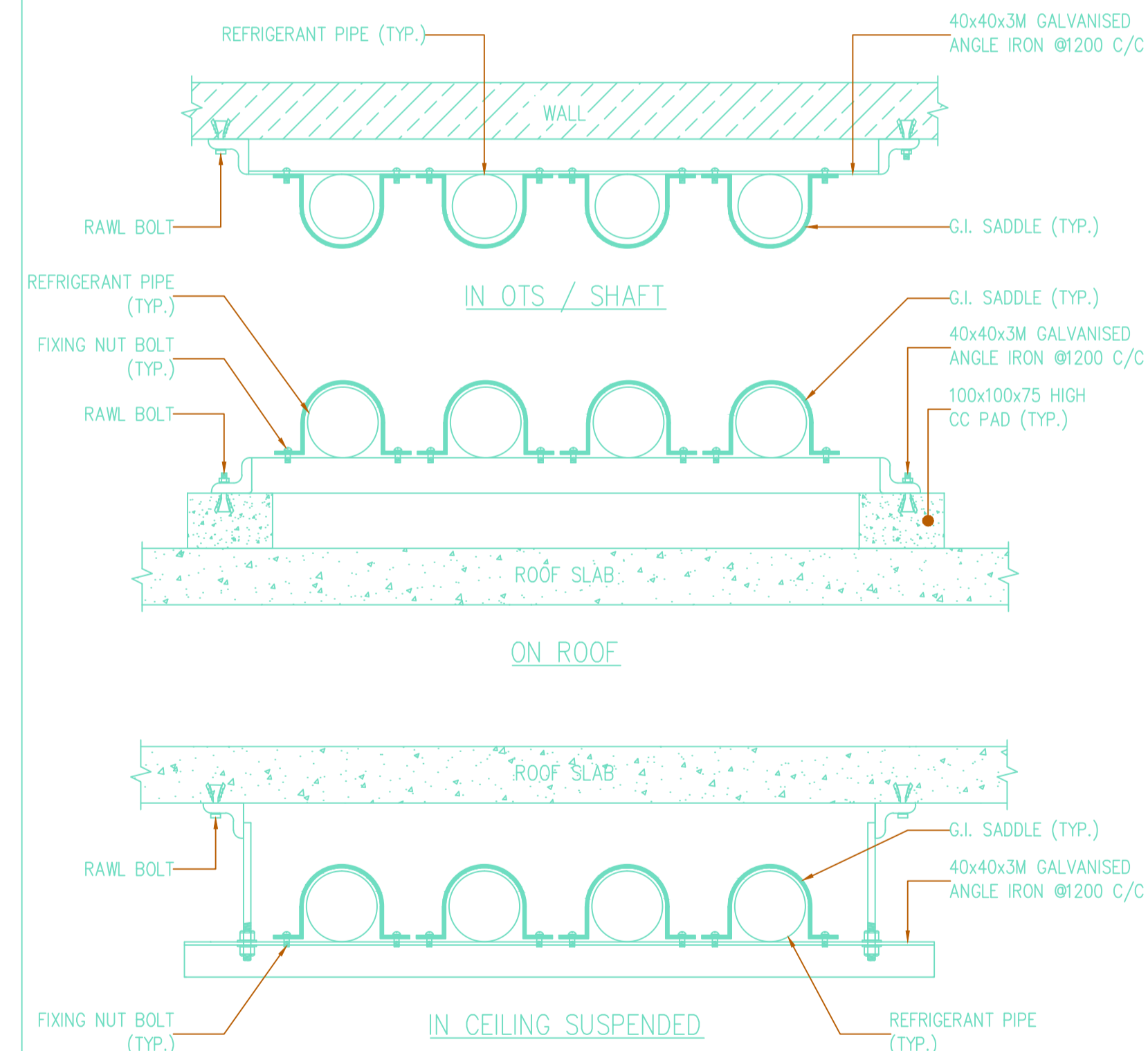
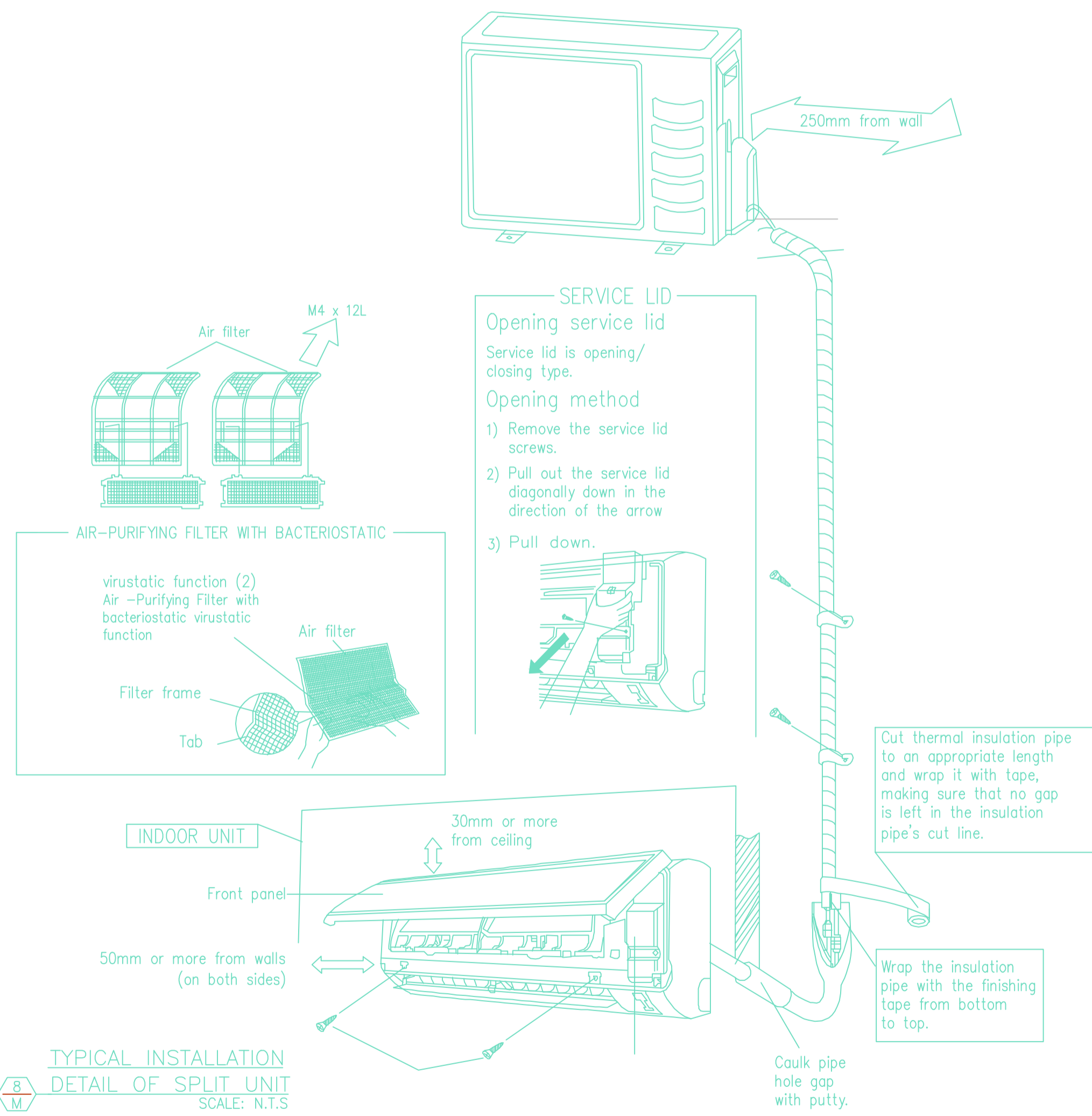
designed MUF	coordinated MUF	drawing No: M01.01
checked MUF	approved MUF	revision suffix
scale N.T.S	date JUNE. 2023	drawn MA
		job no.



07 M INDOOR UNIT CONNECTION SCHEMATIC
SCALE: N.T.S.



16 M CONDENSING UNIT INSTALLATION DETAIL
SCALE N.T.S.



NOTE:
ALL HANGERS AND SUPPORTS FOR VRF OUTDOOR UNITS PIPING IN TERRACES SHOULD BE CORROSION RESISTANCE.

17 M REFRIGERANT PIPES DETAIL
SCALE N.T.S.

N HOUSTON AVE.
PRELIMINARY DRAWINGS FOR
PROPOSED HOME

DESIGN DEVELOPMENT

no.	date	eng.	revisions

MEP Consultant:



drawing title

COVER SHEET

designed MUF	coordinated MUF	drawing No: MOO.00
checked MUF	approved MUF	revision suffix
scale N.T.S.	date JUNE. 2023	drawn MA
		job no.

1	SAD	324
		12"X12"

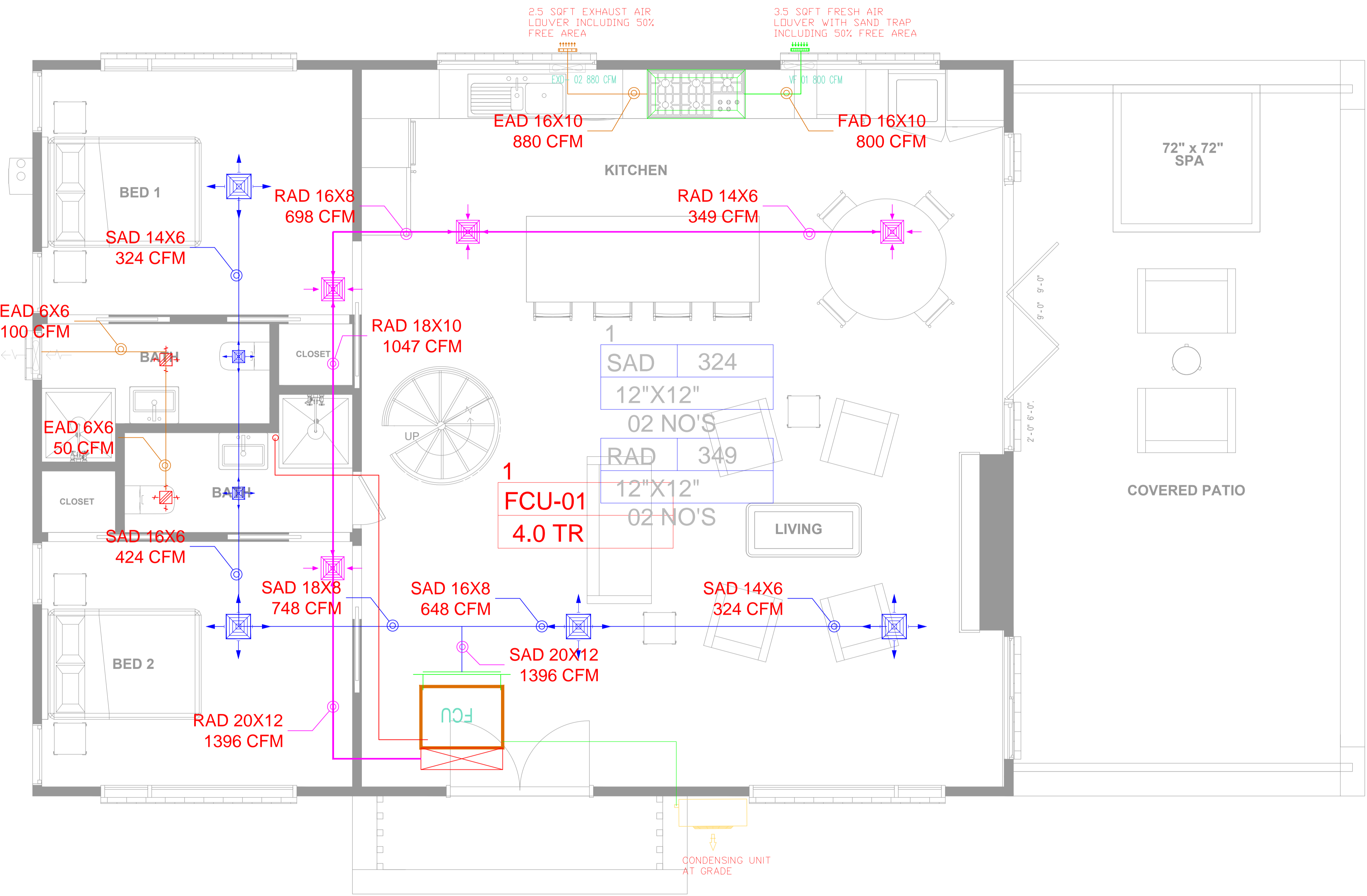
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	12"X12"

1	SAD	50
		06"X06"
		02 NO'S

EAD	50
	06"X 06"
	02 NO'S

1	SAD	324
		12"X12"

RAD	349
	12"X12"



N HOUSTON AVE.
 PRELIMINARY DRAWINGS FOR
 PROPOSED HOME

DESIGN DEVELOPMENT

no.	date	eng.	revisions

MEP Consultant:

drawing title

HVAC LAYOUT FOR GROUND FLOOR

designed MUF	coordinated MUF	drawing No: M02.01
checked MUF	approved MUF	revision suffix
scale N.T.S	date JUNE, 2023	drawn MA
		job no.

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PRELIMINARY DRAWINGS FOR
PROPOSED HOME

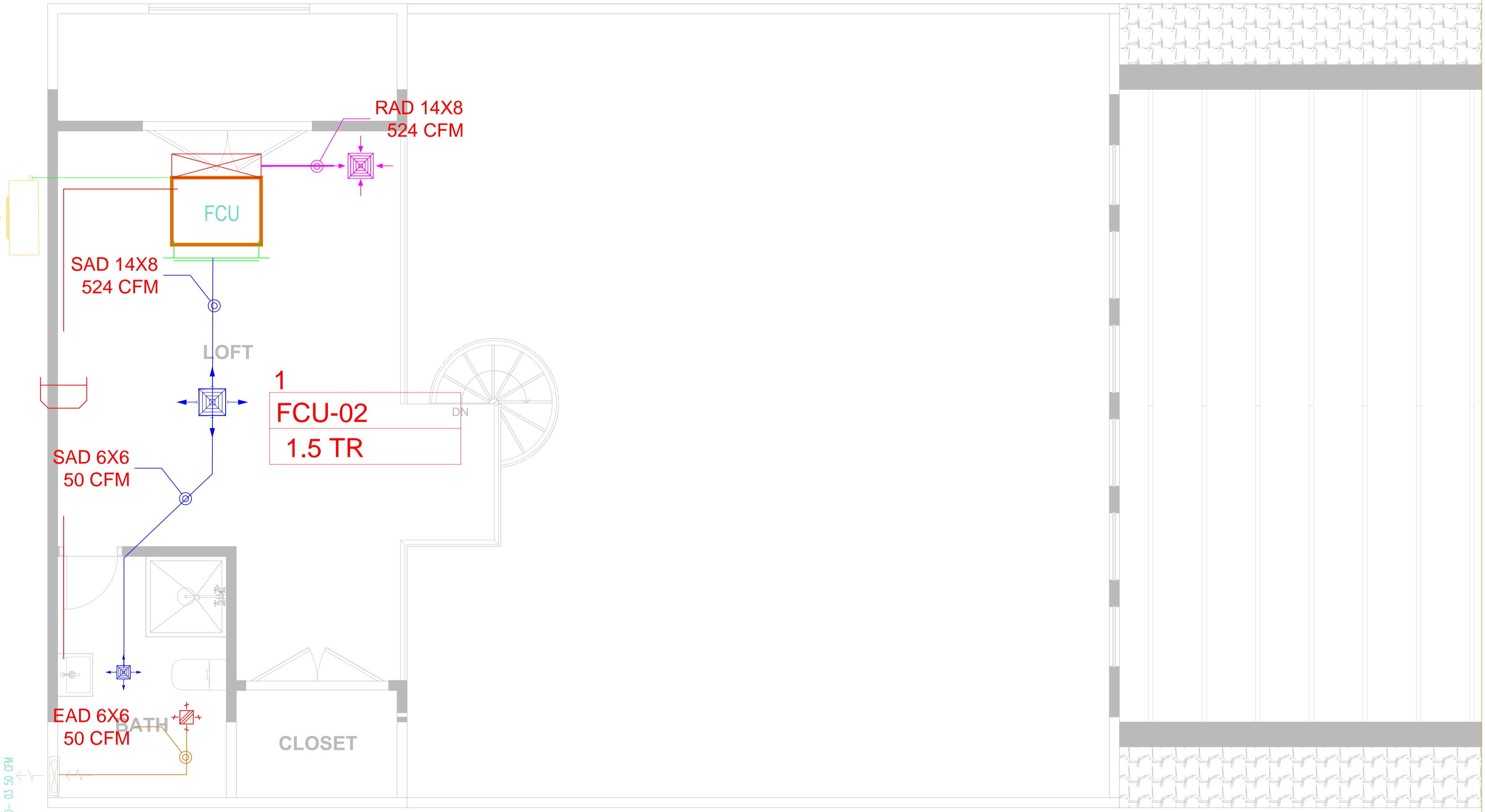
DESIGN DEVELOPMENT

no.	date	eng.	revisions

MEP Consultant:

drawing title
HVAC LAYOUT FOR LOFT FLOOR

designed MTA	coordinated MTA	drawing No. M02.02
checked MTA	approved MTA	revision suffix
scale N.T.S	date APR. 2023	drawn MA
		job no.



1

SAD	474
12"X12"	

RAD	524
12"X12"	

1

SAD	50
06"X06"	

EAD	50
06"X 06"	

EXD- 03 50 CFM



DETAILED DESIGN DRAWINGS FOR PLUMBING WORKS

JUNE 2023
VERSION 1.0

N HOUSTON AVE.
PRELIMINARY DRAWINGS FOR
PROPOSED HOME

DESIGN DEVELOPMENT

no.	date	eng.	revisions

MEP Consultant:



drawing title

COVER SHEET

designed MUF	coordinated MUF	drawing No: M00.00
checked MUF	approved MUF	revision suffix
scale N.T.S	date JUNE, 2023	drawn MA
		job no.

PLUMBING DRAWING LIST

S. No	SHEET NO	SHEET SIZE	DESCRIPTION	SCALE	REMARKS
1	P00.01	A1	PLUMBING TITLE SHEET	N.T.S	✓
2	P01.01	A1	LIST OF DRAWINGS & LEGENDS FOR PLUMBING SYSTEMS	N.T.S	✓
3	P01.01	A1	WATER SUPPLY STANDARD DETAILS	N.T.S	✓
4	P01.01	A1	DRAINAGE STANDARD DETAILS	N.T.S	✓
D02. DRAINAGE LIGHTING LAYOUT					
5	D02.01	A1	DRAINAGE LAYOUT FOR GROUND FLOOR	1/8" = 1'0"	✓
6	D02.01	A1	DRAINAGE LAYOUT FOR LOFT FLOOR	1/8" = 1'0"	✓
W03. WATER SUPPLY LAYOUT					
7	W03.01	A1	WATER SUPPLY LAYOUT FOR GROUND FLOOR	1/8" = 1'0"	✓
8	W03.01	A1	WATER SUPPLY LAYOUT FOR LOFT FLOOR	1/8" = 1'0"	✓
G04. GAS LAYOUT					
9	G04.01	A1	GAS LAYOUT FOR GROUND FLOOR	1/8" = 1'0"	✓
F05. FIRE FIGHTING LAYOUT					
10	F05.01	A1	FIRE FIGHTING SYSTEM LAYOUT FOR GROUND FLOOR	1/8" = 1'0"	✓

FIRE FIGHTING LEGEND

SYMBOL	DESCRIPTION
	FIRE BLANKET
	CLASS K EXTINGUISHER
	DRY POWER EXTINGUISHER CAPACITY 4.5 KG/2
	CO2 POWER EXTINGUISHER CAPACITY 5 KG/2

GAS LEGEND

SYMBOL	DESCRIPTION
	GAS METER
	SOLENOID VALVE
	MANUAL VALVE
	KITCHEN GAS DETECTOR
	GAS PIPE

WATER SUPPLY LEGEND

SYMBOL	DESCRIPTION
	HOT WATER PIPE
	COLD WATER PIPE
	BALL VALVE

DRAINAGE LEGEND

SYMBOL	DESCRIPTION
	SOIL PIPE
	WASTE PIPE
	FLOOR DRAIN
	FLOOR CLEAN OUT PLUG

DESIGN DEVELOPMENT

no.	date	eng.	revisions

MEP Consultant:

drawing title

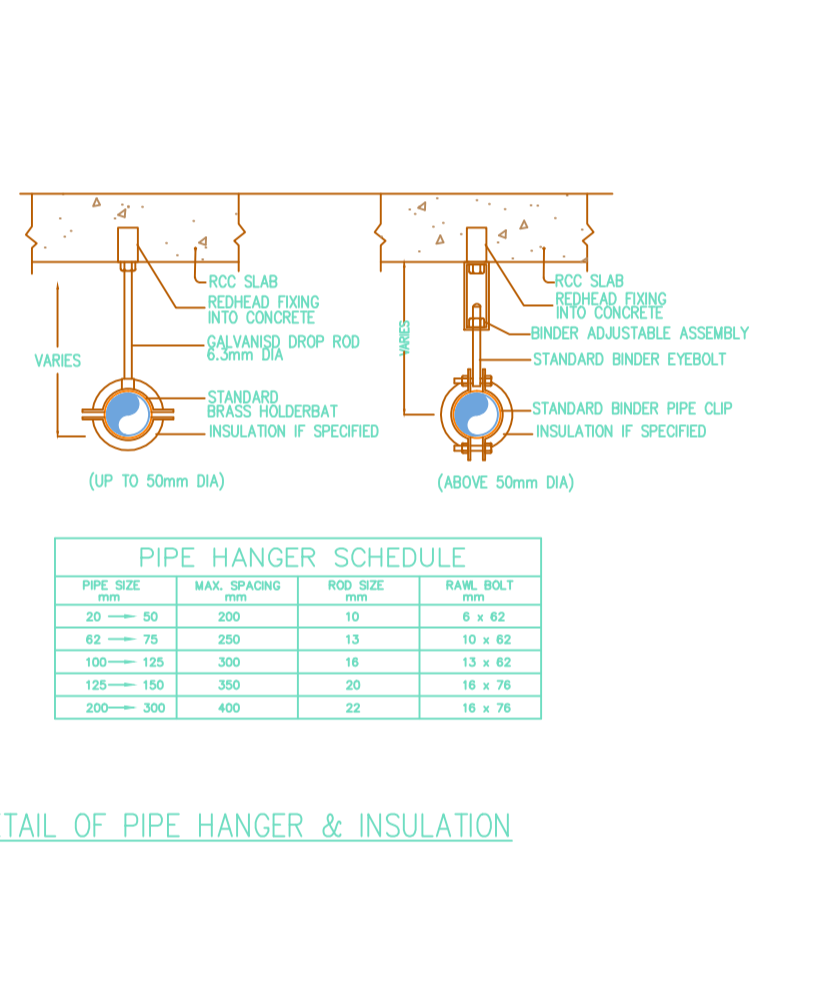
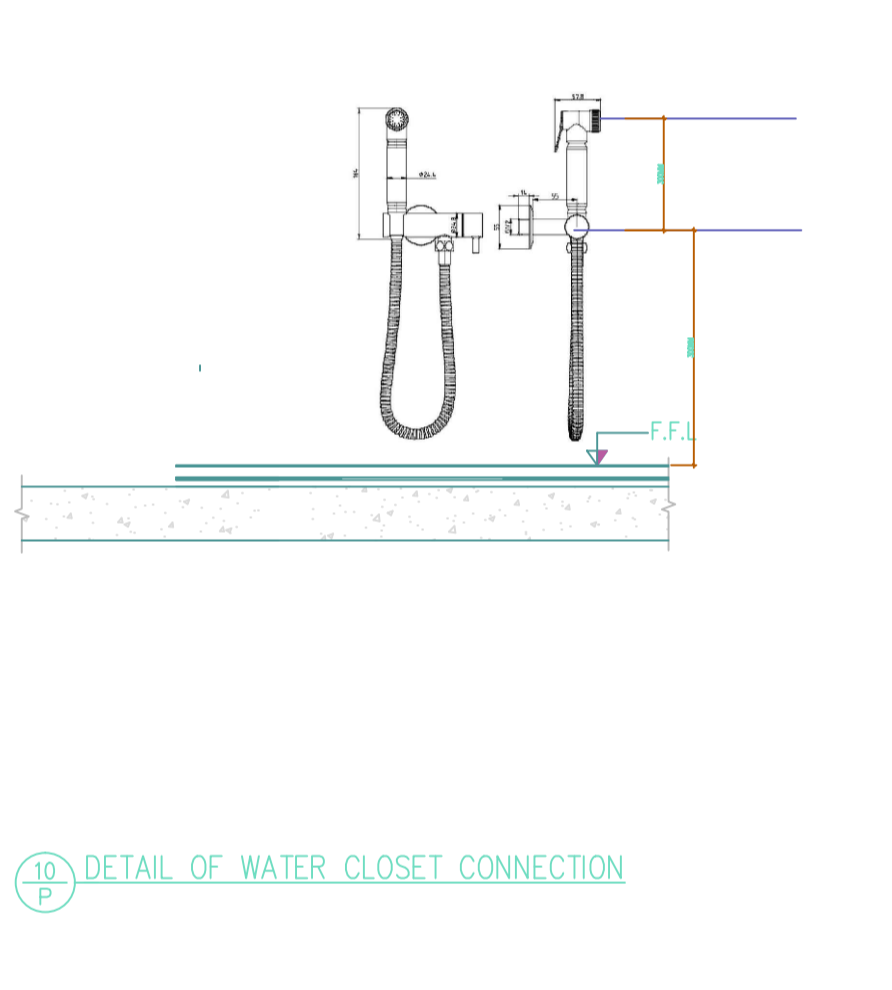
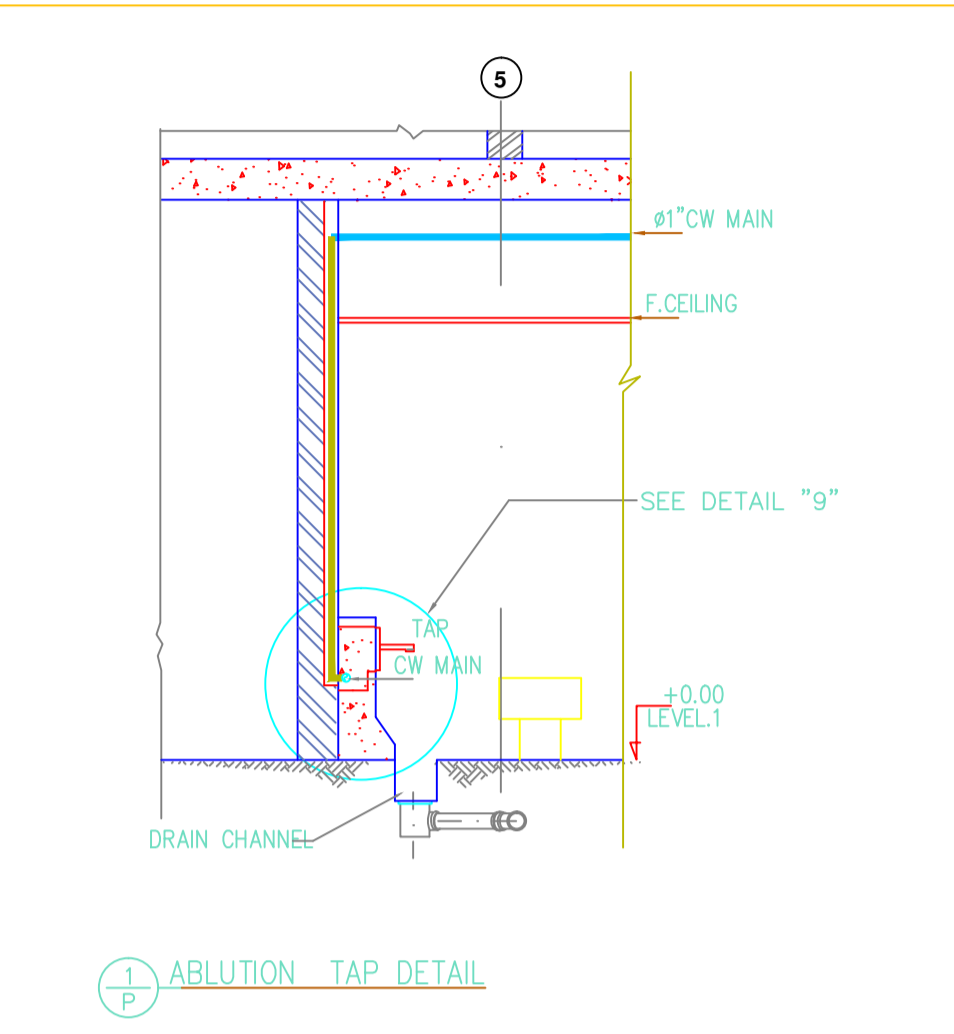
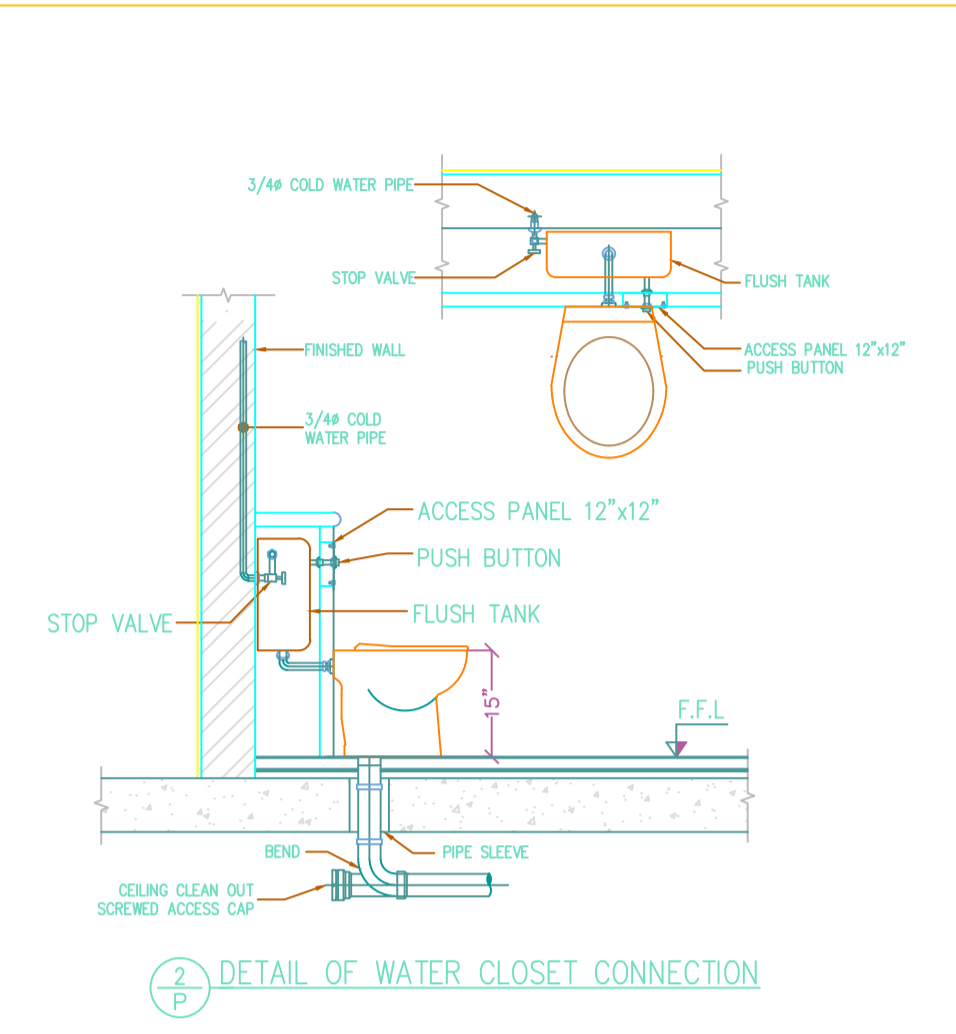
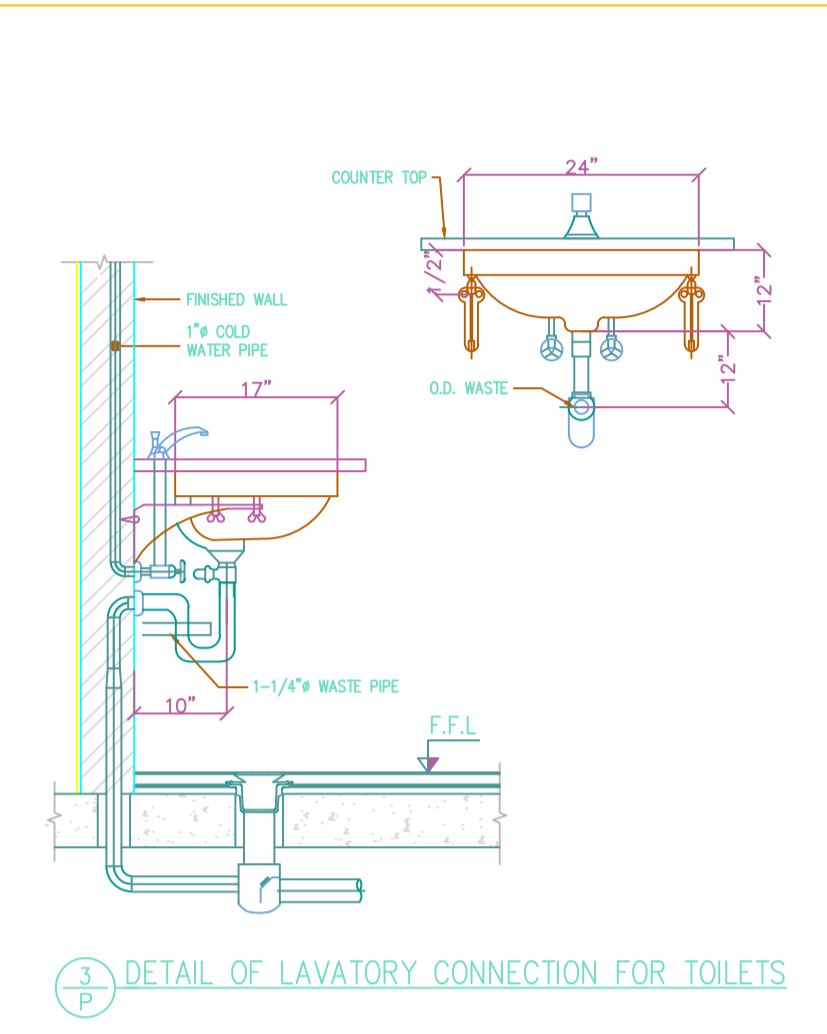
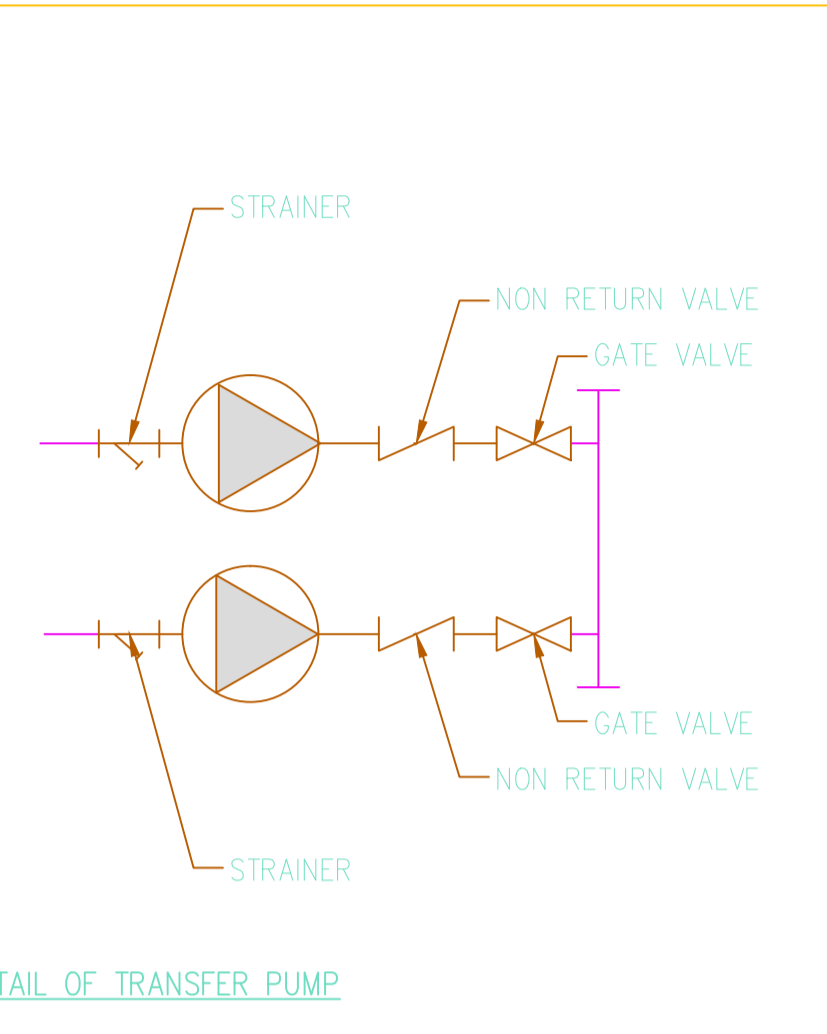
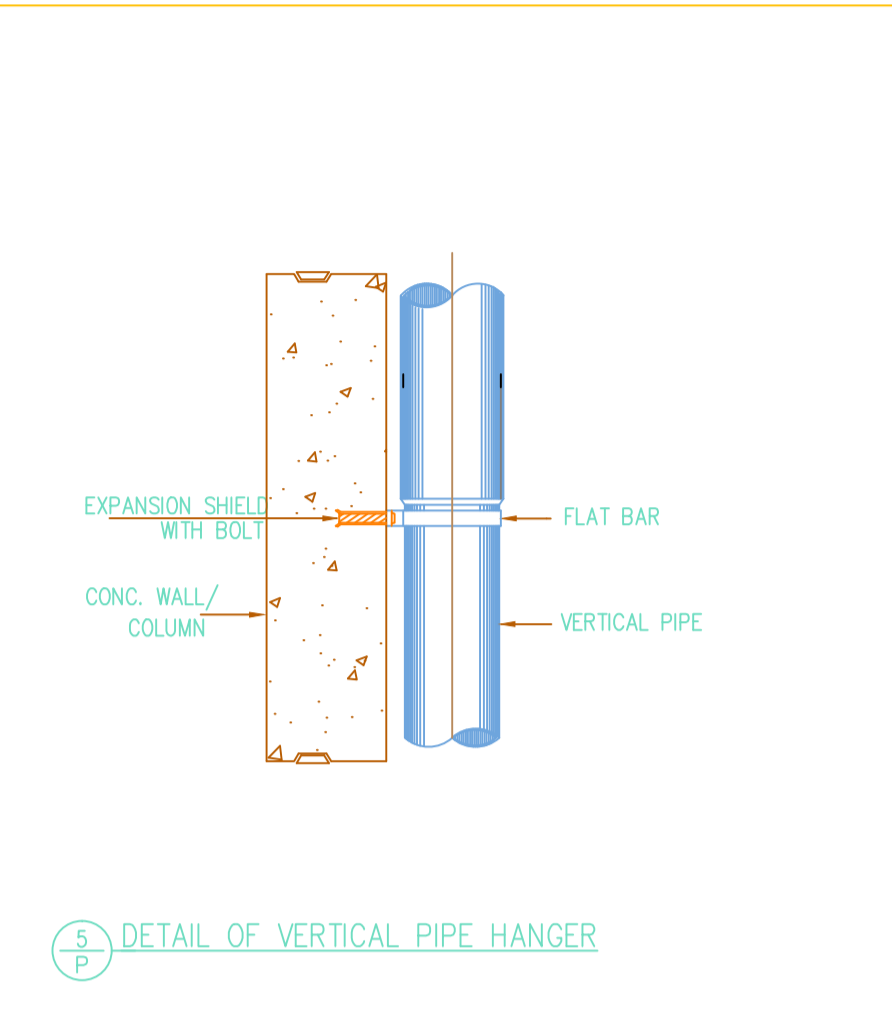
PLUMBING LIST OF DRAWINGS & LEGEND SHEET

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checked MUF	approved MUF	revision suffix
scale N.T.S	date JUNE, 2023	drawn MA
		job no.

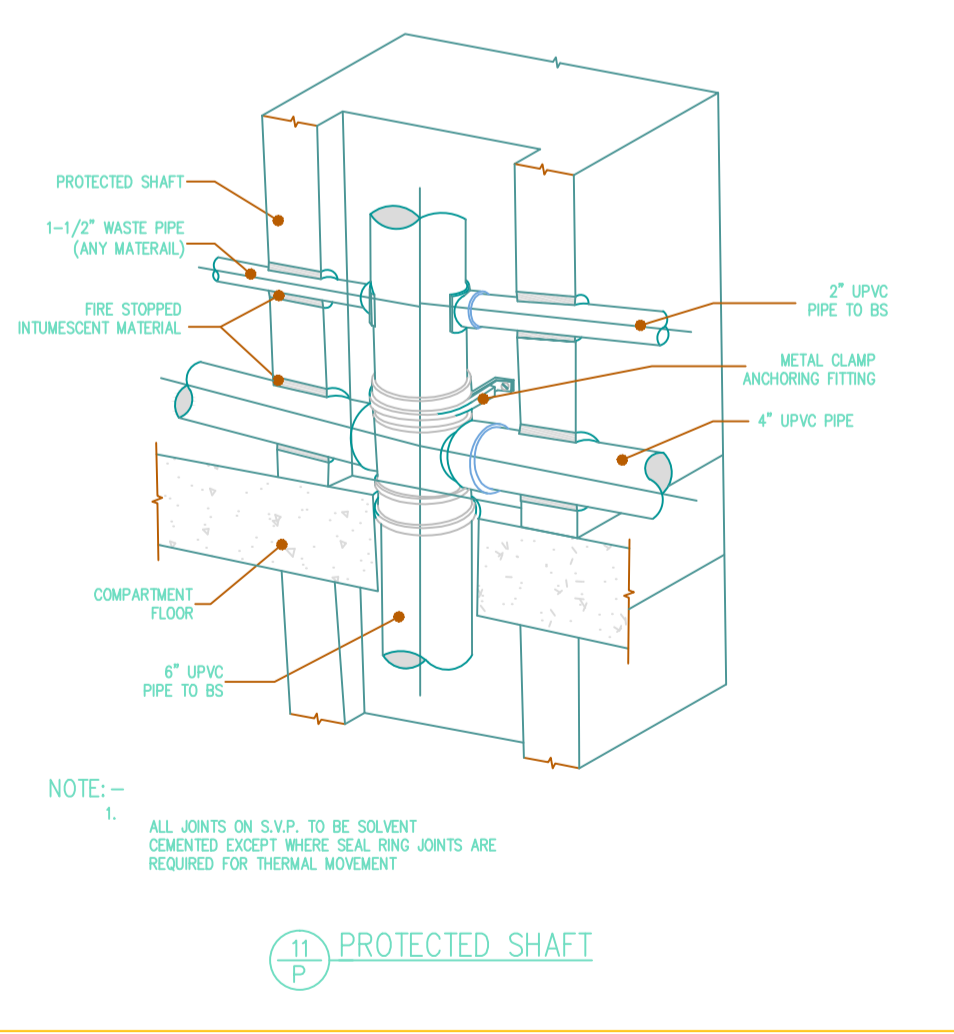
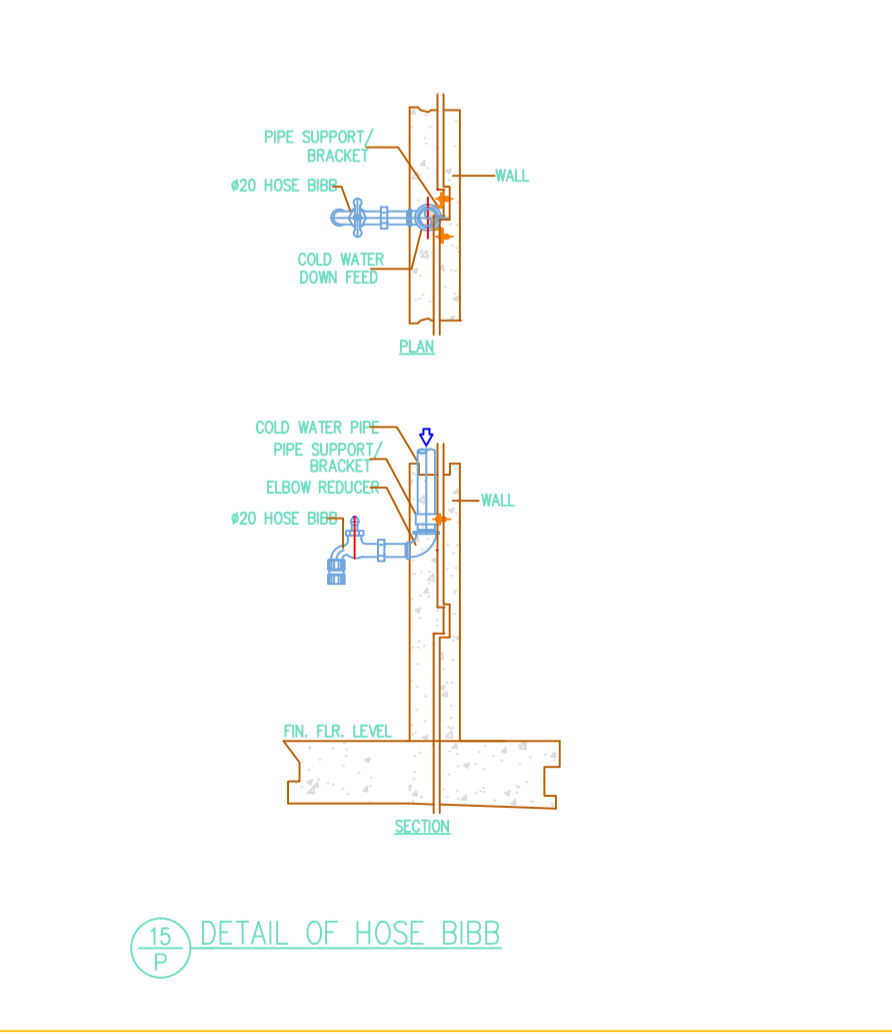
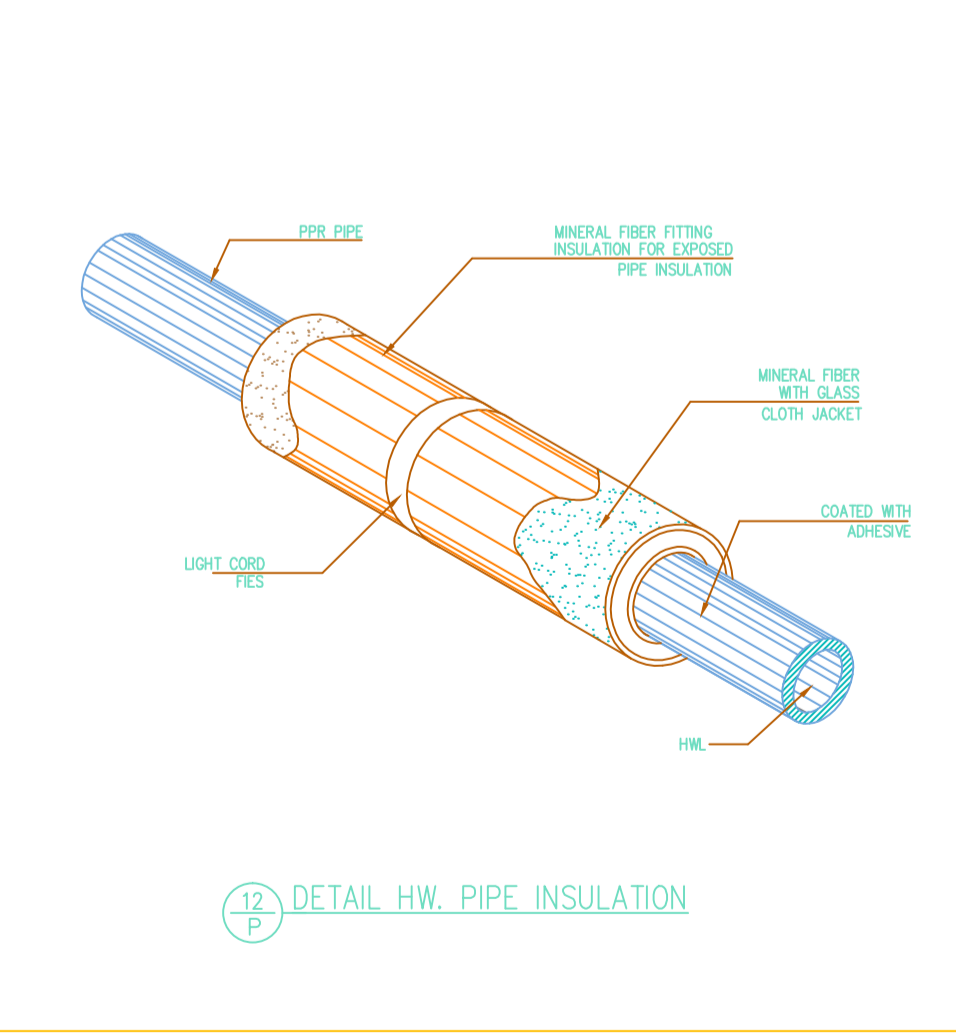
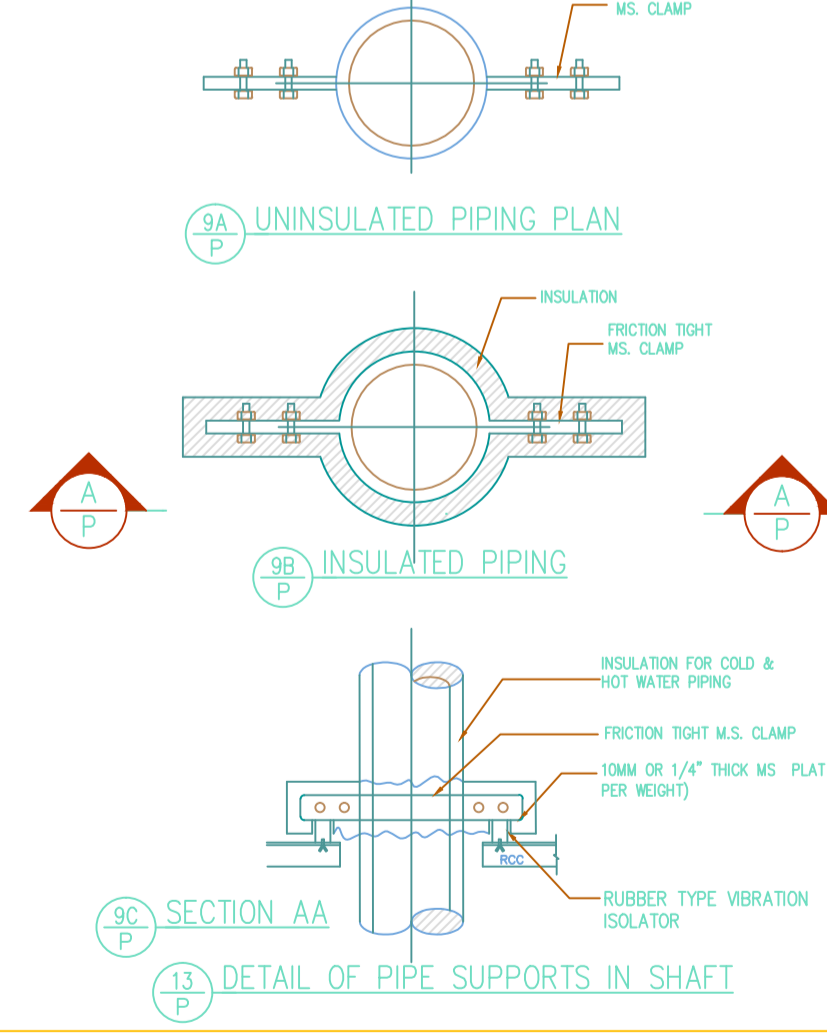
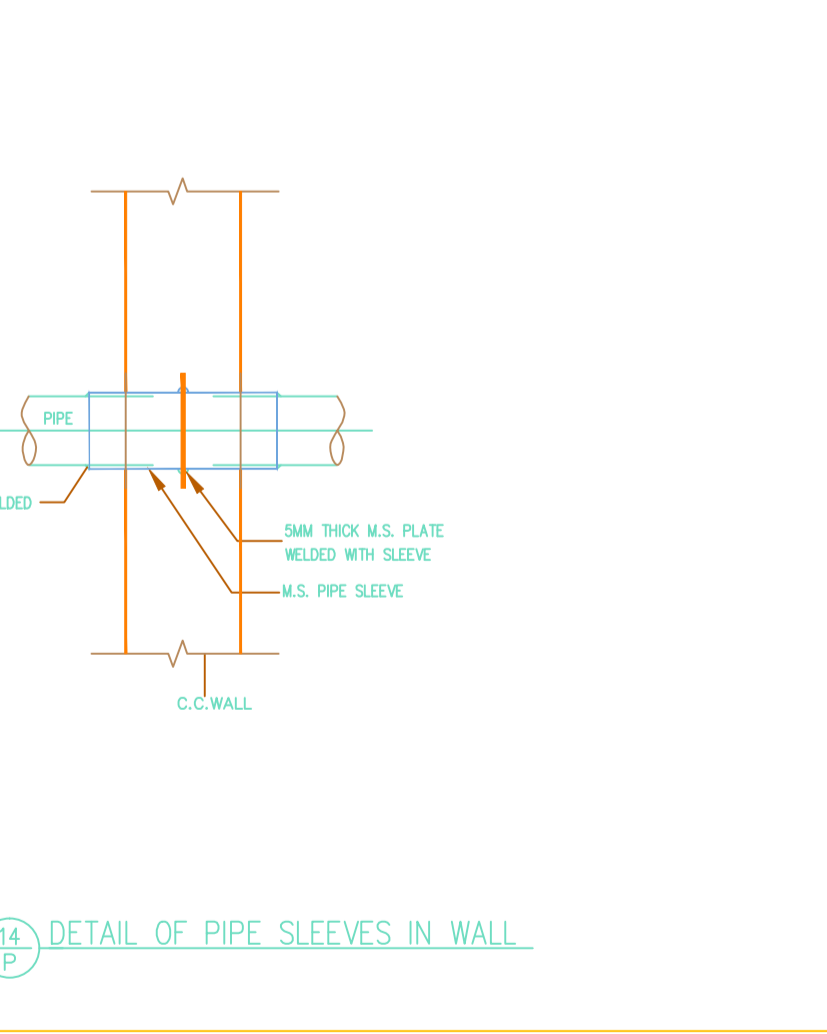
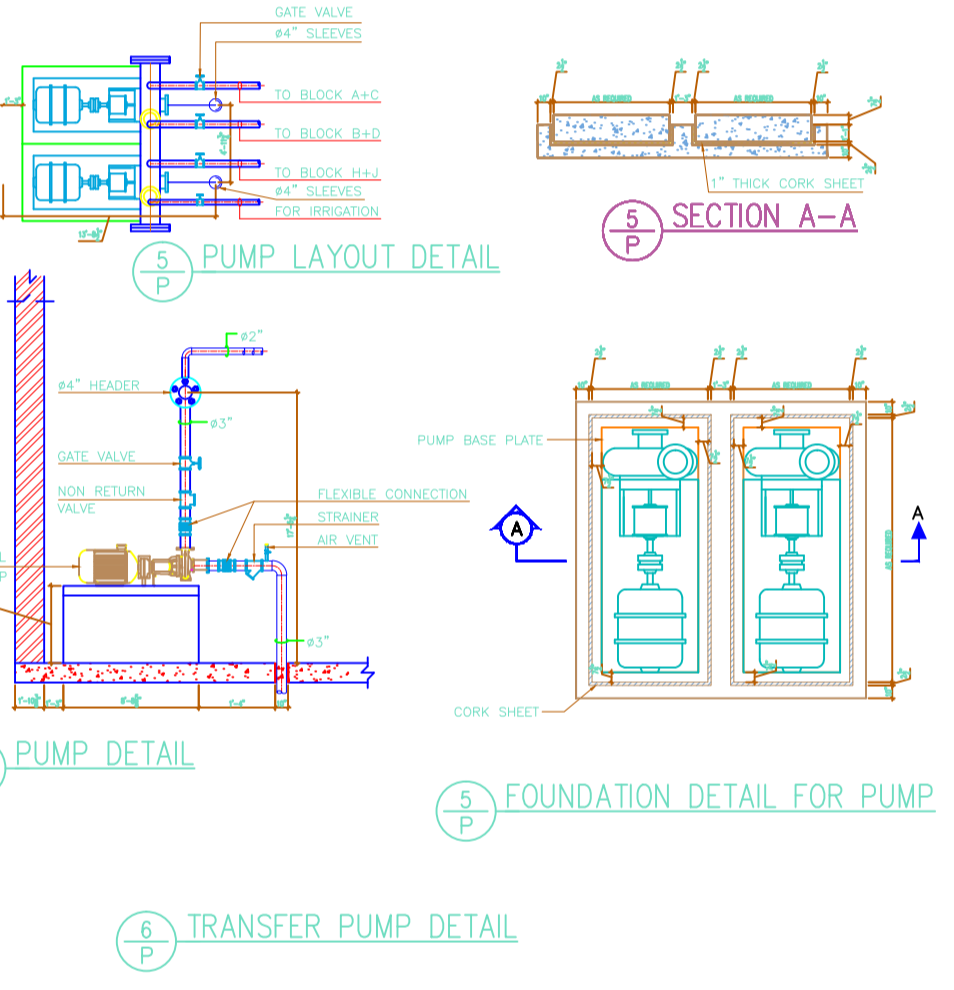
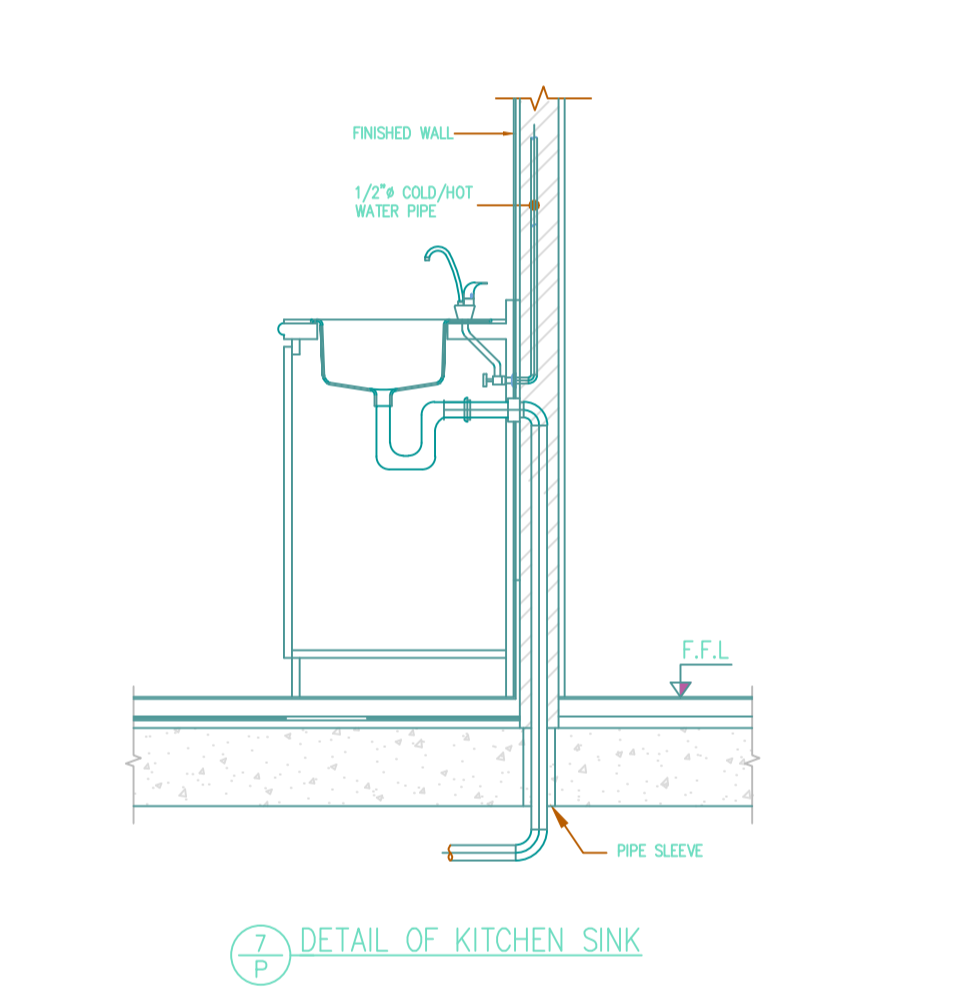
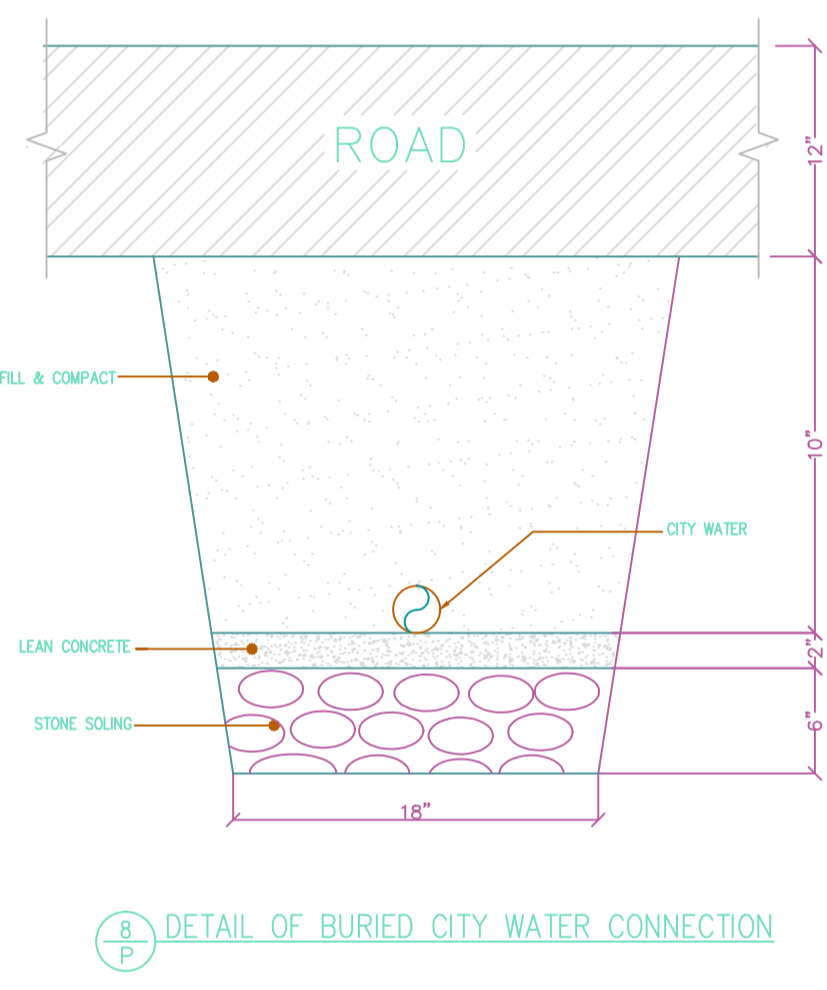
N HOUSTON AVE.
PRELIMINARY DRAWINGS FOR
PROPOSED HOME

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PRELIMINARY DRAWINGS FOR
PROPOSED HOME



PIPE SIZE (mm)	MAX. SPACING (mm)	ROD SIZE (mm)	BAR/BOLT (mm)
20 - 50	200	10	6 x 62
62 - 75	250	13	10 x 62
100 - 125	300	16	13 x 62
150 - 150	350	20	16 x 76
200 - 300	400	22	18 x 76



DESIGN DEVELOPMENT

no.	date	eng.	revisions

MEP Consultant:

drawing title

WATER SUPPLY STANDARD DETIAL

designed MUF	coordinated MUF	drawing No. P01.02
checked MUF	approved MUF	revision suffix
scale N.T.S	date JUNE. 2023	drawn MA
		job no.

N HOUSTON AVE.

PRELIMINARY DRAWINGS FOR
PROPOSED HOME

DESIGN DEVELOPMENT

no.	date	eng.	revisions

MEP Consultant:

drawing title

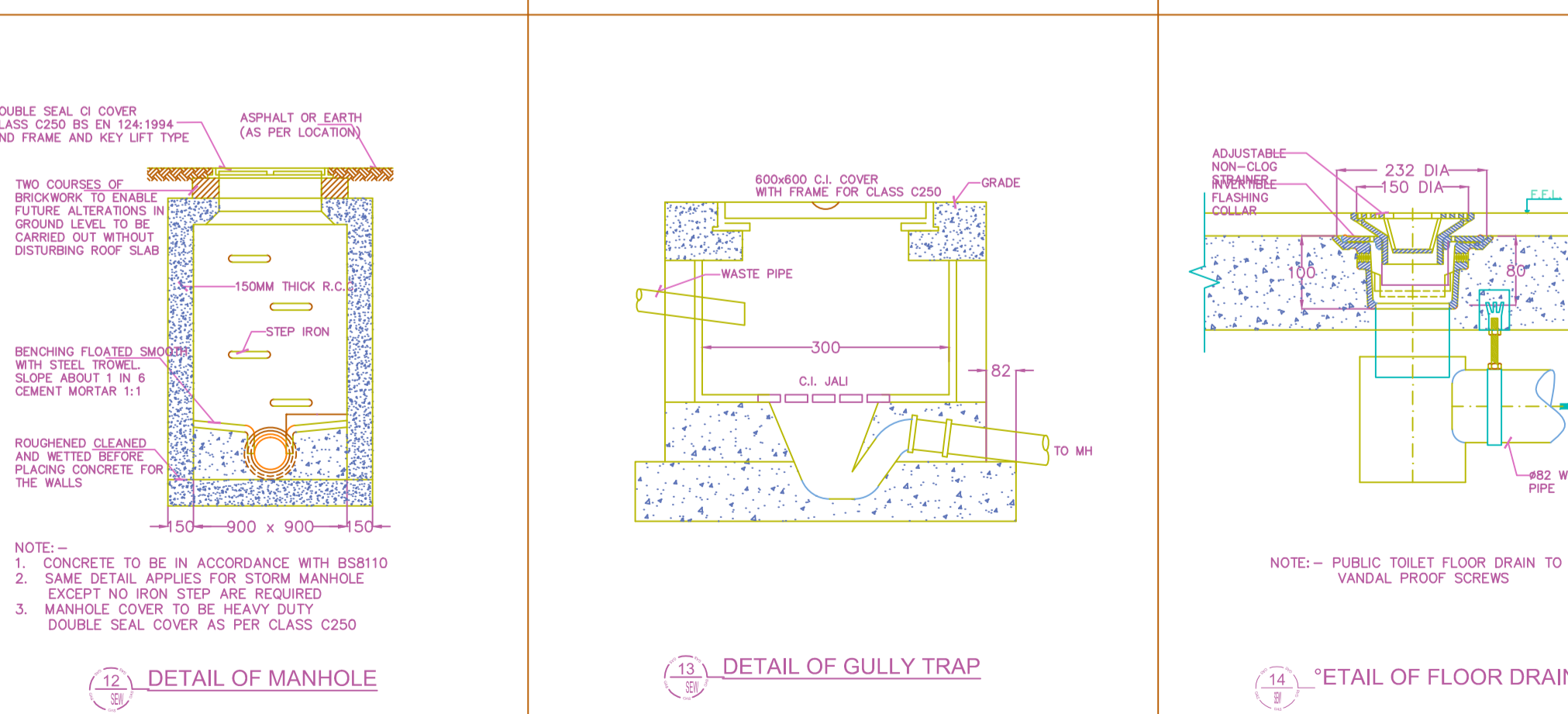
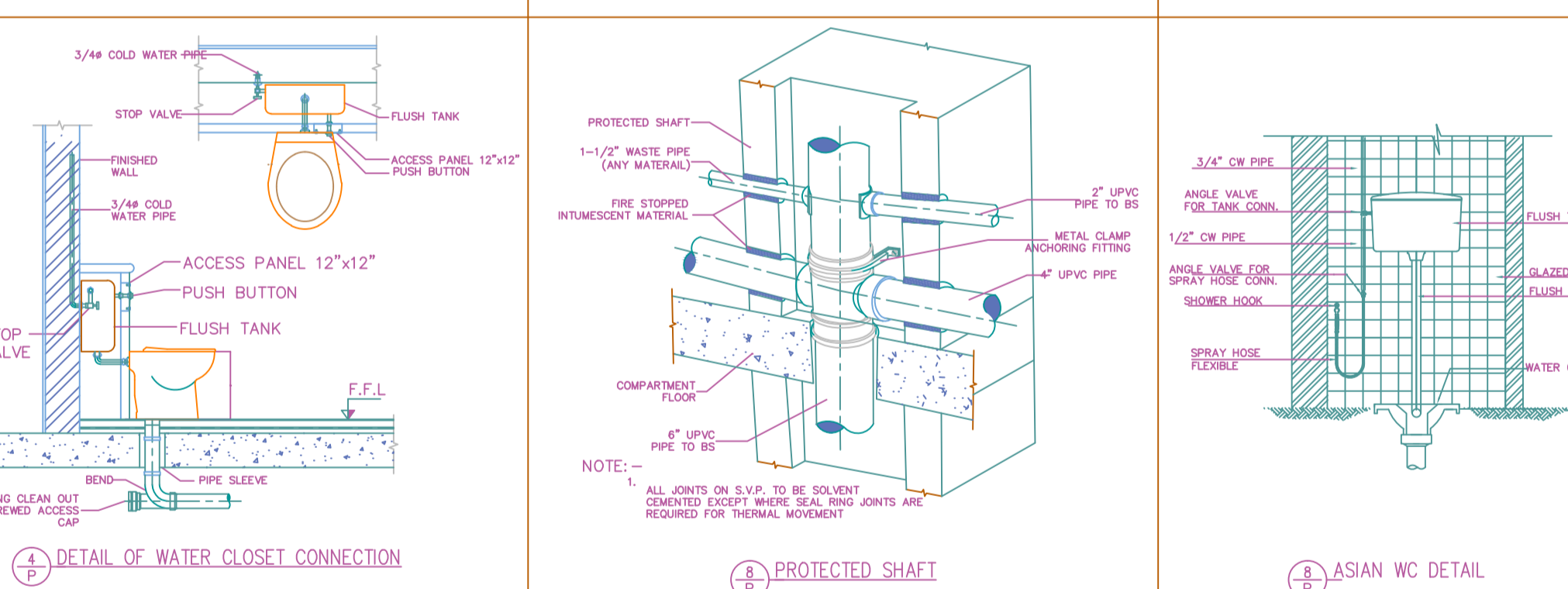
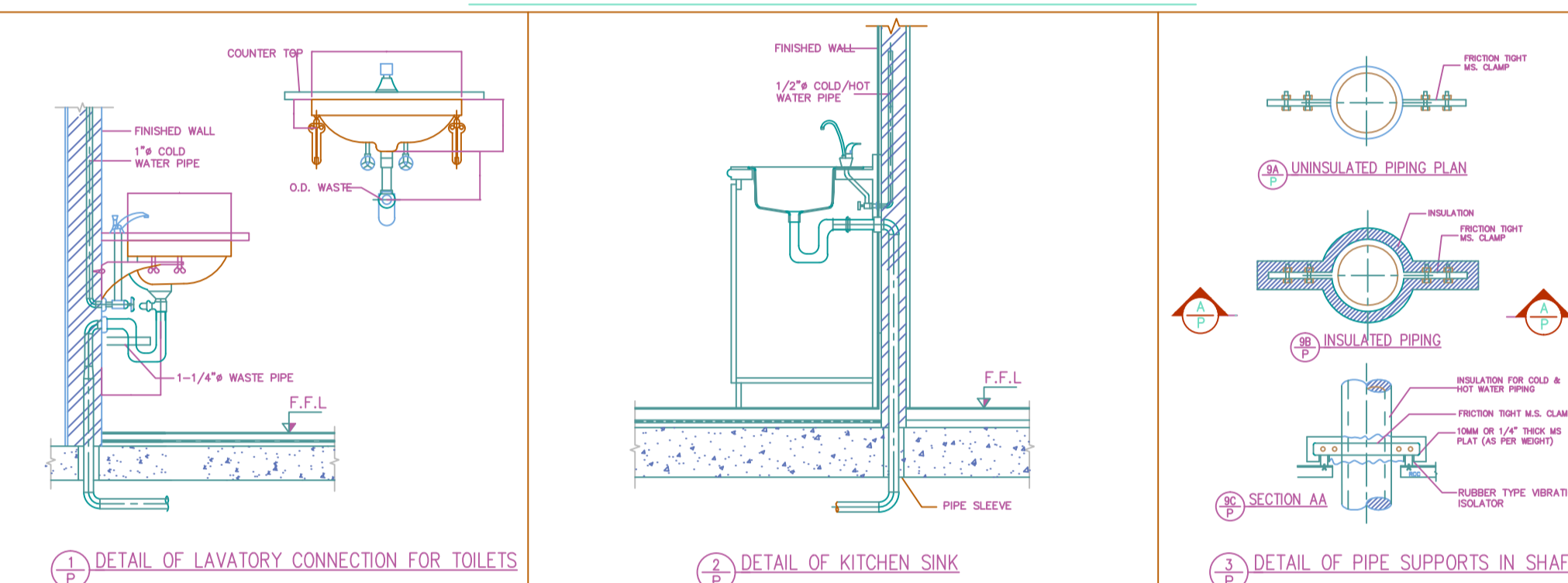
DRAINAGE STANDARD DETIAL

designed	coordinated	drawing No.	
MUF	MUF	P01.03	
checked	approved	revision suffix	
MUF	MUF		
scale	date	drawn	job no.
N.T.S	JUNE. 2023	MA	

PIPING MATERIAL SCHEDULE

SERVICE	PIPE	FITTINGS	JOINTS
INTERNAL DRAINAGE (WASTE)	UPVC (BS 4514)	UPVC (BS-4514)	PUSH FIT SOCKET
INTERNAL DRAINAGE (SOIL)	UPVC (BS 4514)	UPVC (BS-4514)	PUSH FIT SOCKET
UNDER GROUND DRAINAGE (WASTE/SOIL)	UPVC (BS 4660)	UPVC (BS 4660)	SOLVENT CEMENT
VENT PIPING	UPVC CLASS C (BS 4514)	UPVC CLASS C (BS 4514)	SOLVENT CEMENT
INTERNAL STORM DRAINAGE	UPVC (BS 4514)	UPVC (BS 4514)	SOLVENT CEMENT
EXTERNAL STORM DRAINAGE	UPVC (BS 4660)	UPVC (BS 4660)	PUSH FIT

DRAINAGE STANDARD INSTALLATION DETAILS

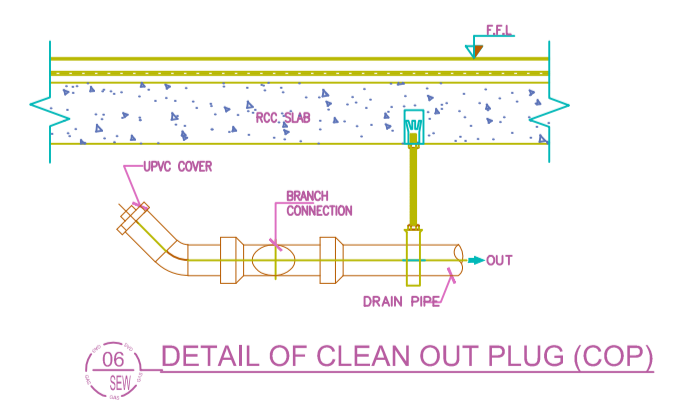
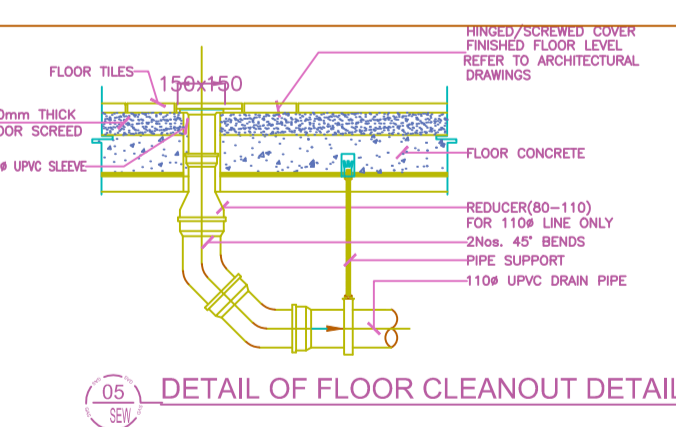


LEGEND

SYMBOL	DESCRIPTION
	RAIN WATER PIPE
	WASTE PIPE
	SOIL PIPE
	VENT PIPE
	VENT COIL (ROOF TYPE)
	FLOOR CLEAN OUT
	FLOOR DRAIN
	MANHOLE
	GULLY TRAP
	MANHOLE (600x600)
	GULLY TRAP (450x450)
	RAIN WATER MANHOLE (600x600)
	ROOF DRAIN (SQUARE TYPE)
	ROOF DRAIN (SQUARE TYPE)
	VENT COIL (ROOF TYPE)
	FIRE HOSE CABINET

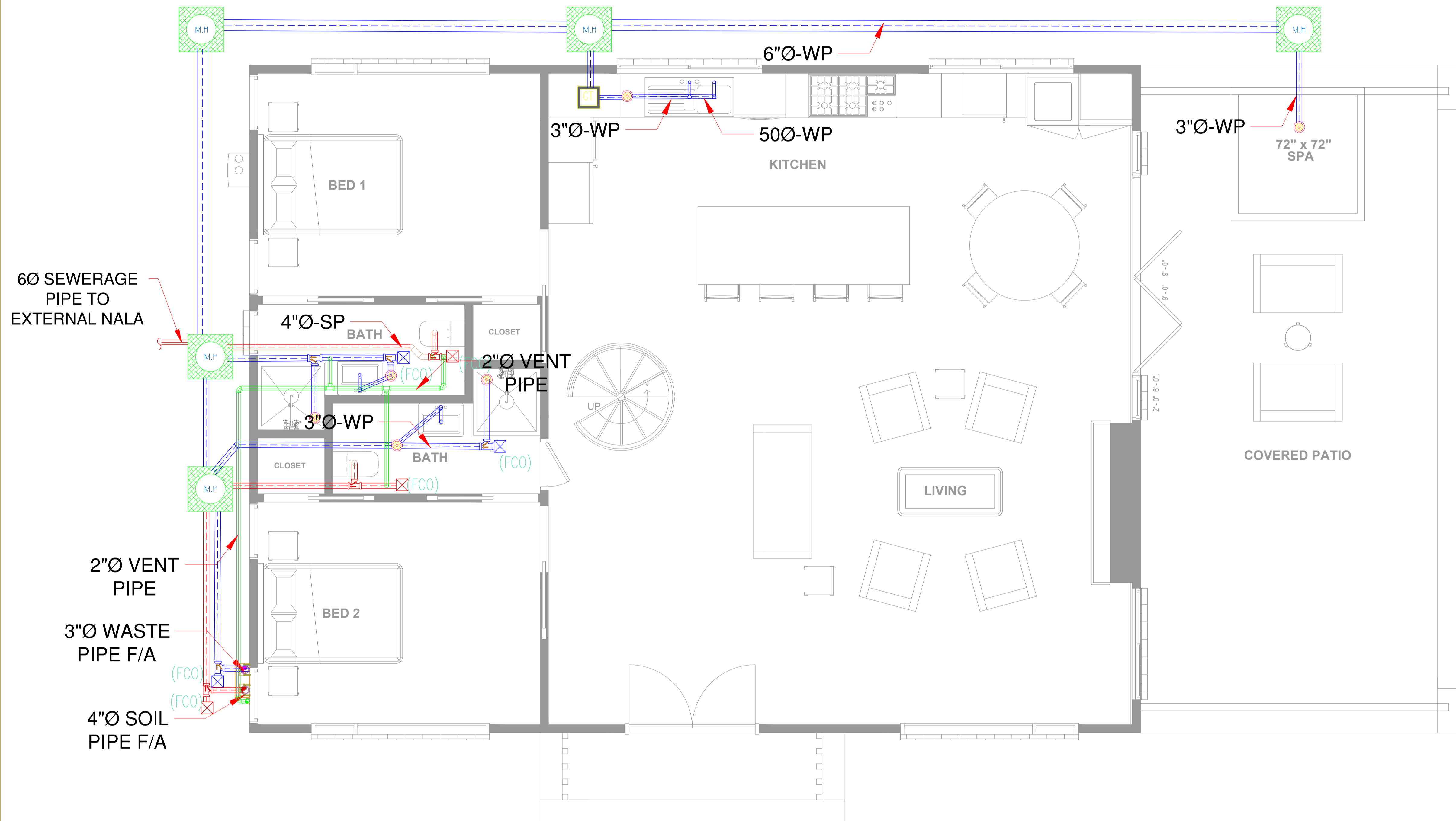
ABBREVIATIONS

RWP	RAIN WATER PIPE
WS	WASTE STACK
SS	SOIL STACK
VTR	VENT TO ROOF
VT	VENT PIPE
I.L.	INVERT LEVEL
A.F.F.	ABOVE FINISHED FLOOR
F.G.L.	FINISH GROUND LEVEL
T/A	TO ABOVE
F/A	FROM ABOVE
T/B	TO BELOW
F/B	FROM BELOW
FD	FLOOR DRAIN
G	GULLY TRAP
MH	MANHOLE



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PRELIMINARY DRAWINGS FOR
PROPOSED HOME



6"Ø SEWERAGE
PIPE TO
EXTERNAL NALA

2"Ø VENT
PIPE

3"Ø WASTE
PIPE F/A

4"Ø SOIL
PIPE F/A

DRAINAGE LEGEND	
SYMBOL	DESCRIPTION
	SOIL PIPE
	WASTE PIPE
	FLOOR DRAIN
	FLOOR CLEAN OUT PLUG (FCO) & COP
	GULLY TRAP / GREASE TRAP
	MAIN HOLE

DESIGN DEVELOPMENT

no.	date	eng.	revisions

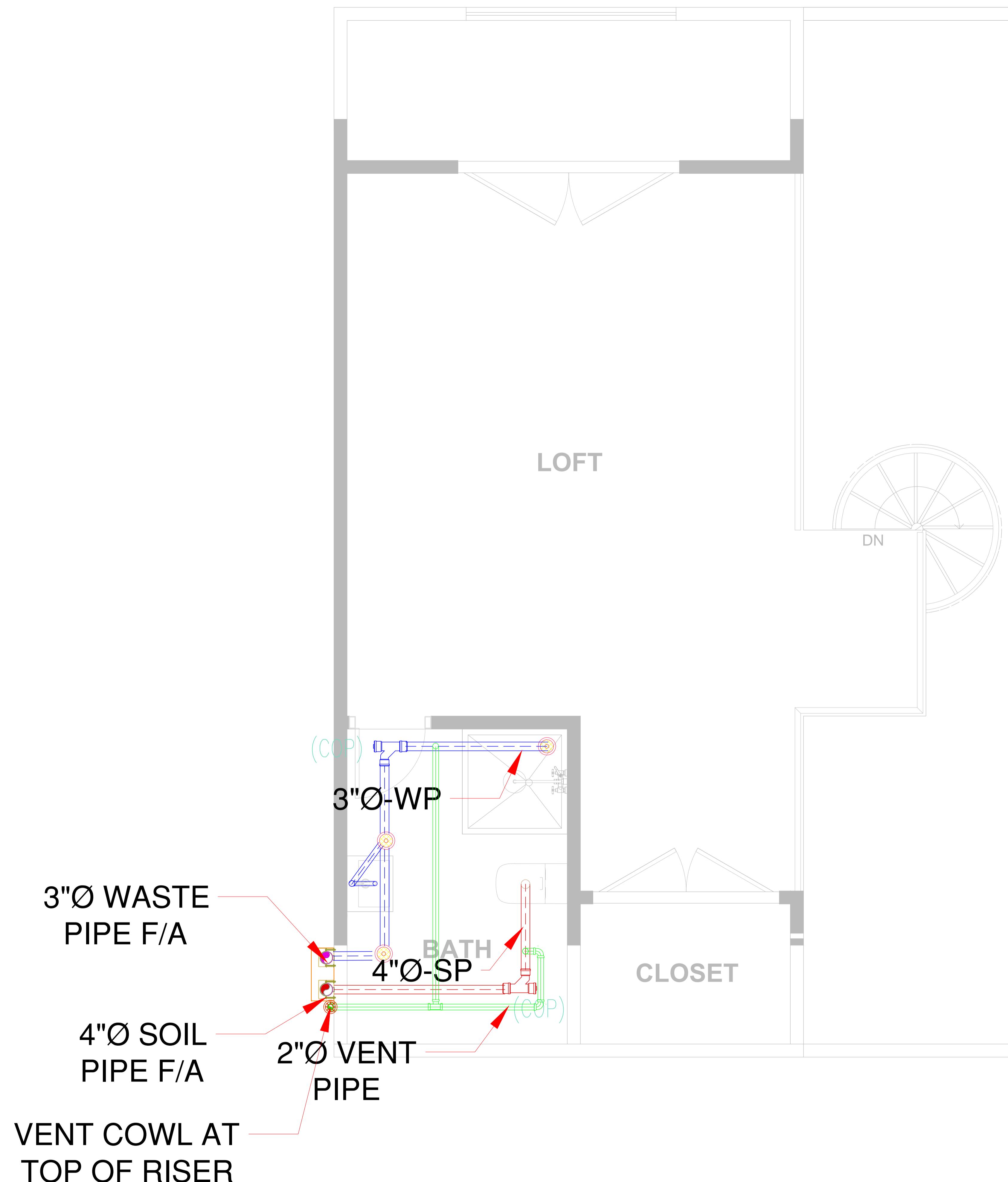
MEP Consultant:

drawing title

DRAINAGE LAYOUT FOR
GROUND FLOOR

designed MUF	coordinated MUF	drawing No. D02.01
checked MUF	approved MUF	revision suffix
scale 1/8"=1'-0"	date JUNE, 2023	drawn MA
		job no.

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 PRELIMINARY DRAWINGS FOR
 PROPOSED HOME



3"Ø WASTE
PIPE F/A

4"Ø SOIL
PIPE F/A

VENT COWL AT
TOP OF RISER

(COP)

3"Ø-WP

BATH

4"Ø-SP

(COP)

2"Ø VENT
PIPE

CLOSET

DRAINAGE LEGEND	
SYMBOL	DESCRIPTION
	SOIL PIPE
	WASTE PIPE
	FLOOR DRAIN
	FLOOR CLEAN OUT PLUG (FCO) & COP
	GULLY TRAP / GREASE TRAP
	MAIN HOLE

DESIGN DEVELOPMENT

no.	date	eng.	revisions

MEP Consultant:

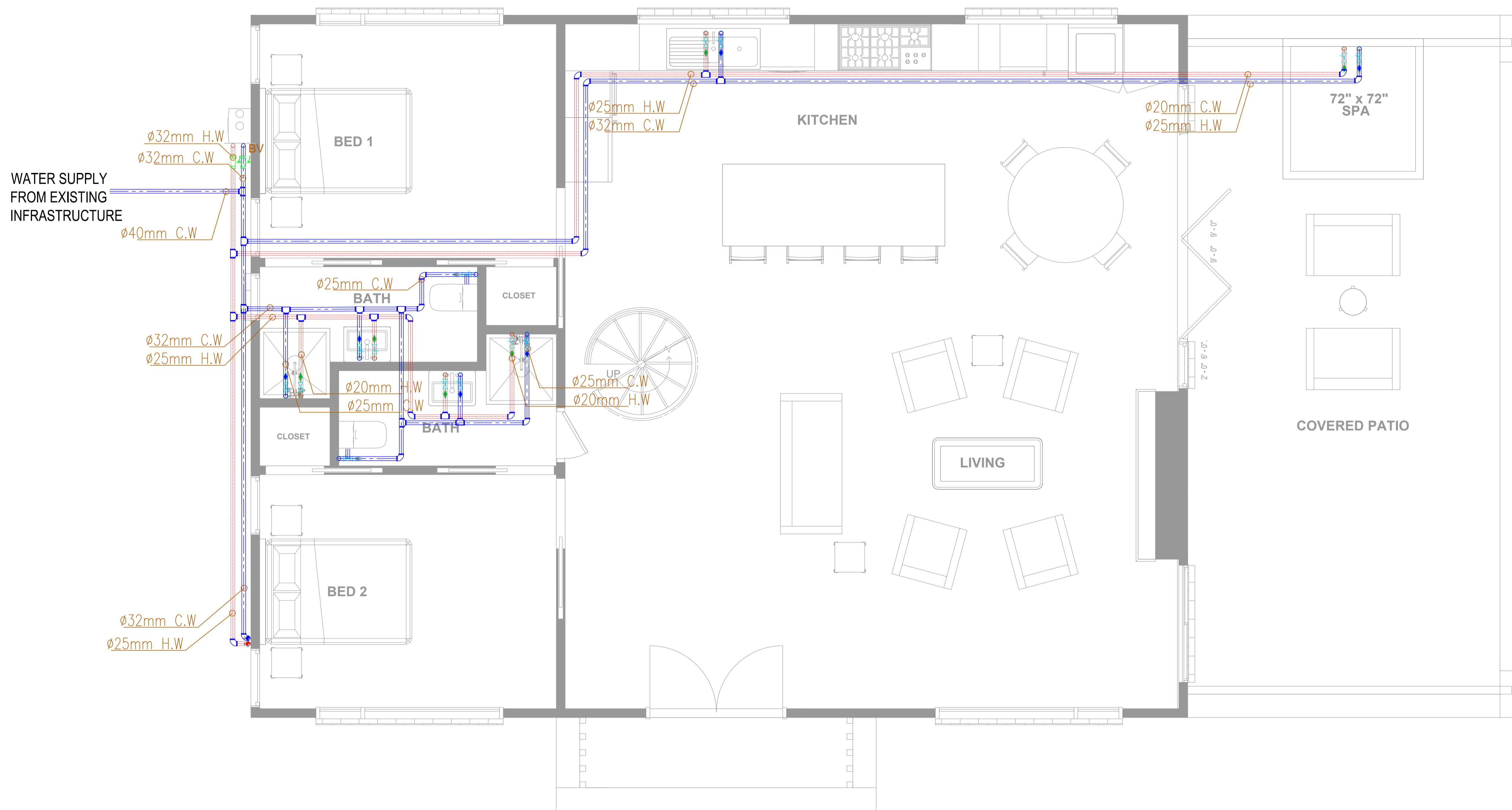
drawing title

DRAINAGE LAYOUT FOR
LOFT FLOOR

designed MUF	coordinated MUF	drawing No. D02.02
checked MUF	approved MUF	revision suffix
scale 1/8"=1'-0"	date JUNE, 2023	drawn MA
		job no.

N HOUSTON AVE.

PRELIMINARY DRAWINGS FOR
PROPOSED HOME



WATER SUPPLY LEGEND	
SYMBOL	DESCRIPTION
	HOT WATER PIPE
	COLD WATER PIPE
	BALL VALVE

DESIGN DEVELOPMENT

no.	date	eng.	revisions

MEP Consultant:

drawing title

WATER SUPPLY LAYOUT FOR
GROUND FLOOR

designed MUF	coordinated MUF	drawing No. W03.01
checked MUF	approved MUF	revision suffix
scale 1/8"=1'-0"	date JUNE, 2023	drawn MA
		job no.

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PRELIMINARY DRAWINGS FOR
PROPOSED HOME

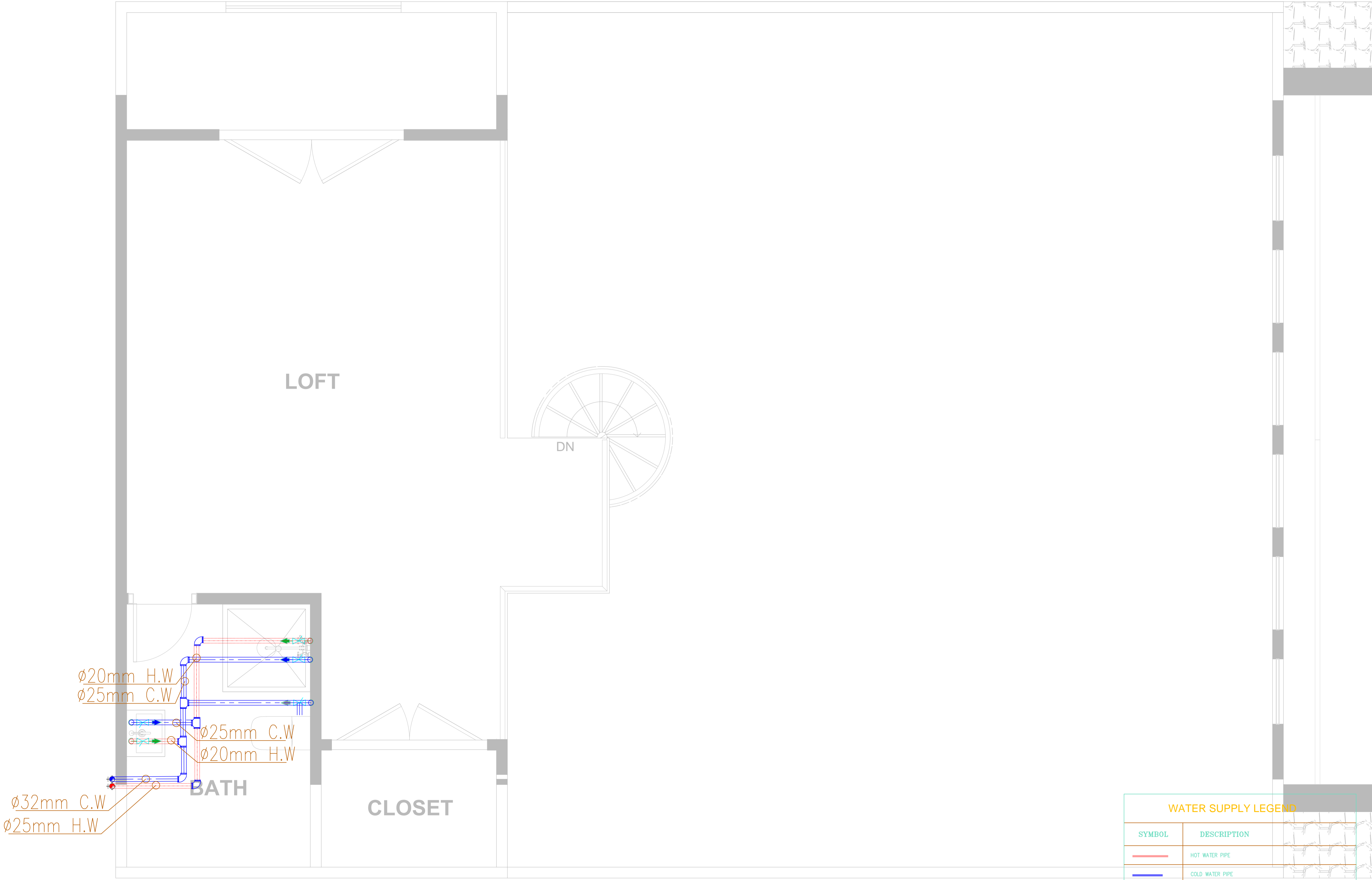
DESIGN DEVELOPMENT

no.	date	eng.	revisions

MEP Consultant:

drawing title
WATER SUPPLY LAYOUT FOR LOFT FLOOR

designed MUF	coordinated MUF	drawing No. W03.02
checked MUF	approved MUF	revision suffix
scale 1/8"=1'-0"	date JUNE, 2023	drawn MA
		job no.



WATER SUPPLY LEGEND

SYMBOL	DESCRIPTION
	HOT WATER PIPE
	COLD WATER PIPE
	BALL VALVE

$\phi 20\text{mm}$ H.W.
 $\phi 25\text{mm}$ C.W.
 $\phi 25\text{mm}$ C.W.
 $\phi 20\text{mm}$ H.W.
 $\phi 32\text{mm}$ C.W.
 $\phi 25\text{mm}$ H.W.

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PRELIMINARY DRAWINGS FOR
PROPOSED HOME

DESIGN DEVELOPMENT

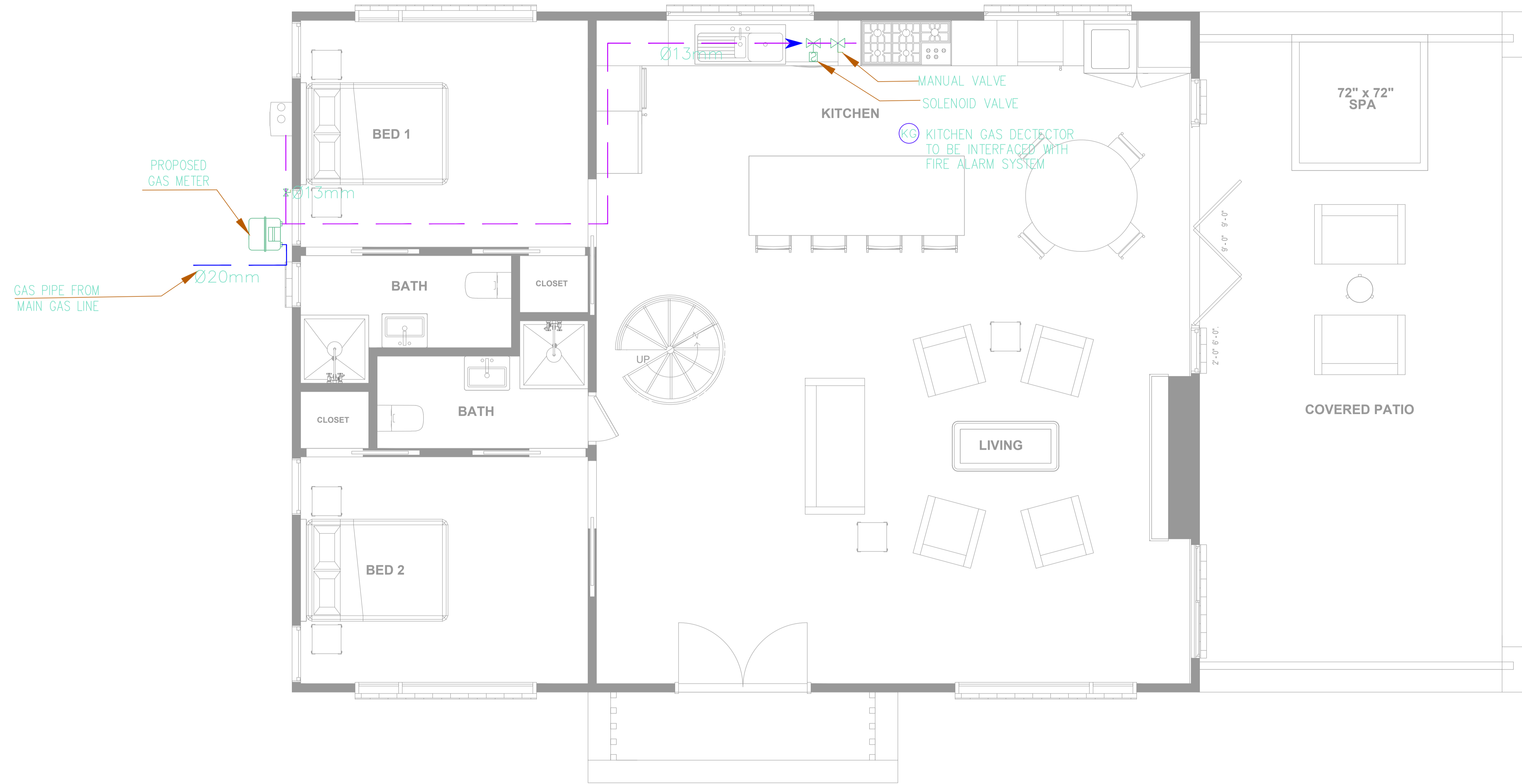
no.	date	eng.	revisions

MEP Consultant:

drawing title

**GAS SUPPLY LAYOUT FOR
GROUND FLOOR**

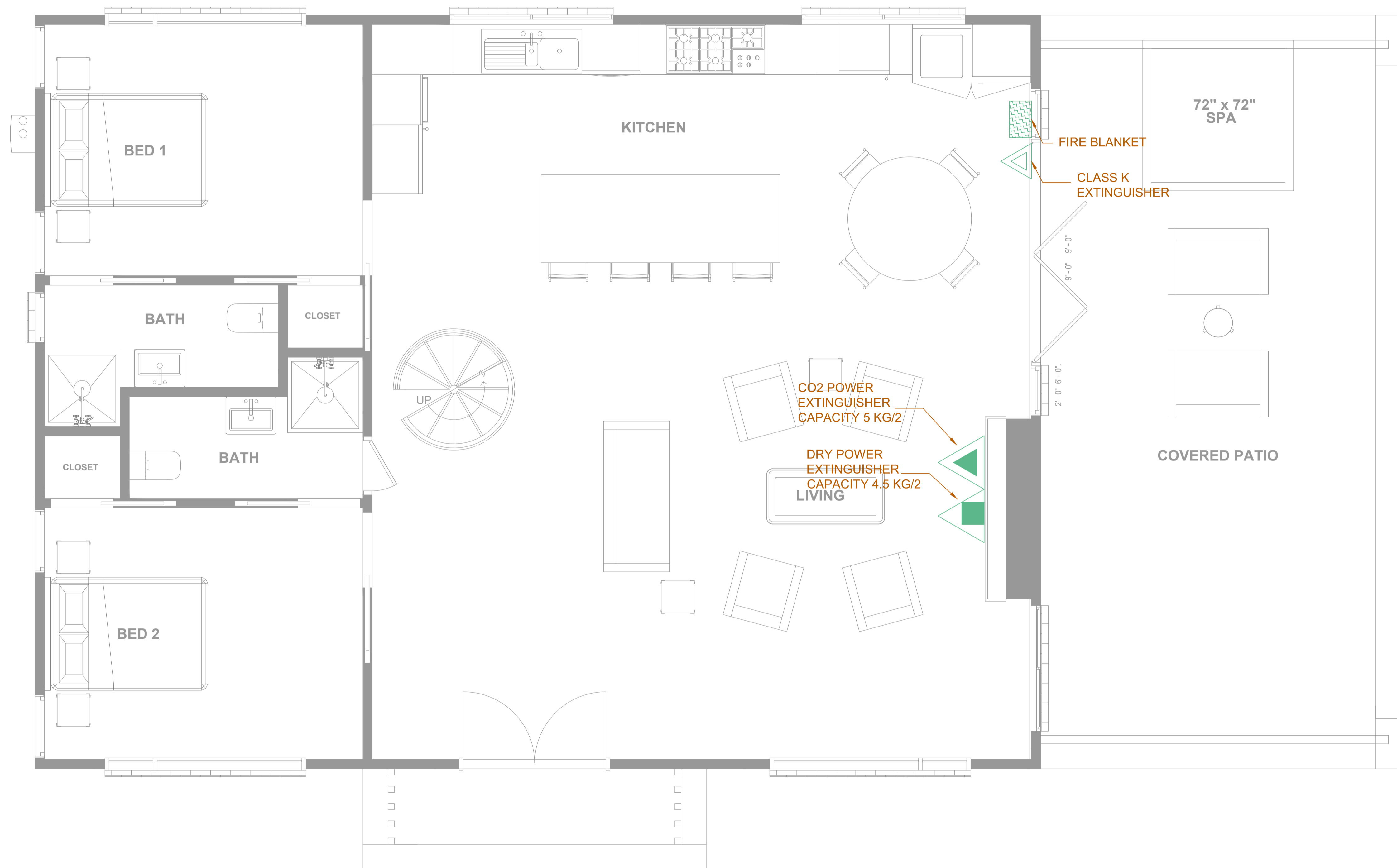
designed MUF	coordinated MUF	drawing No. G04.01
checked MUF	approved MUF	revision suffix
scale 1/8"=1'-0"	date JUNE, 2023	drawn MA
		job no.



GAS LEGEND	
SYMBOL	DESCRIPTION
	GAS METER
	SOLENOID VALVE
	MANUAL VALVE
	KITCHEN GAS DETECTOR
	GAS PIPE

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PRELIMINARY DRAWINGS FOR
PROPOSED HOME



FIRE FIGHTING LEGEND	
SYMBOL	DESCRIPTION
	FIRE BLANKET
	CLASS K EXTINGUISHER
	DRY POWER EXTINGUISHER CAPACITY 4.5 KG/2
	CO2 POWER EXTINGUISHER CAPACITY 5 KG/2

DESIGN DEVELOPMENT

no.	date	eng.	revisions

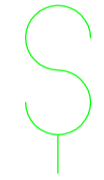
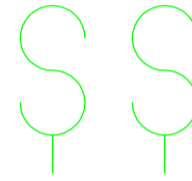
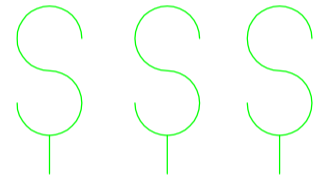
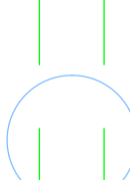
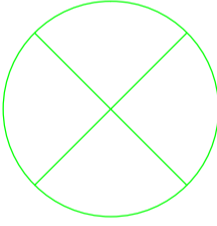

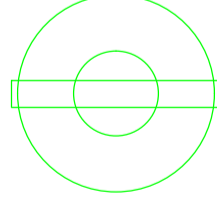
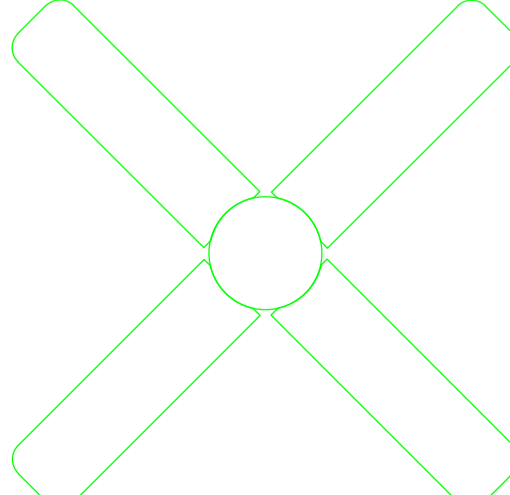
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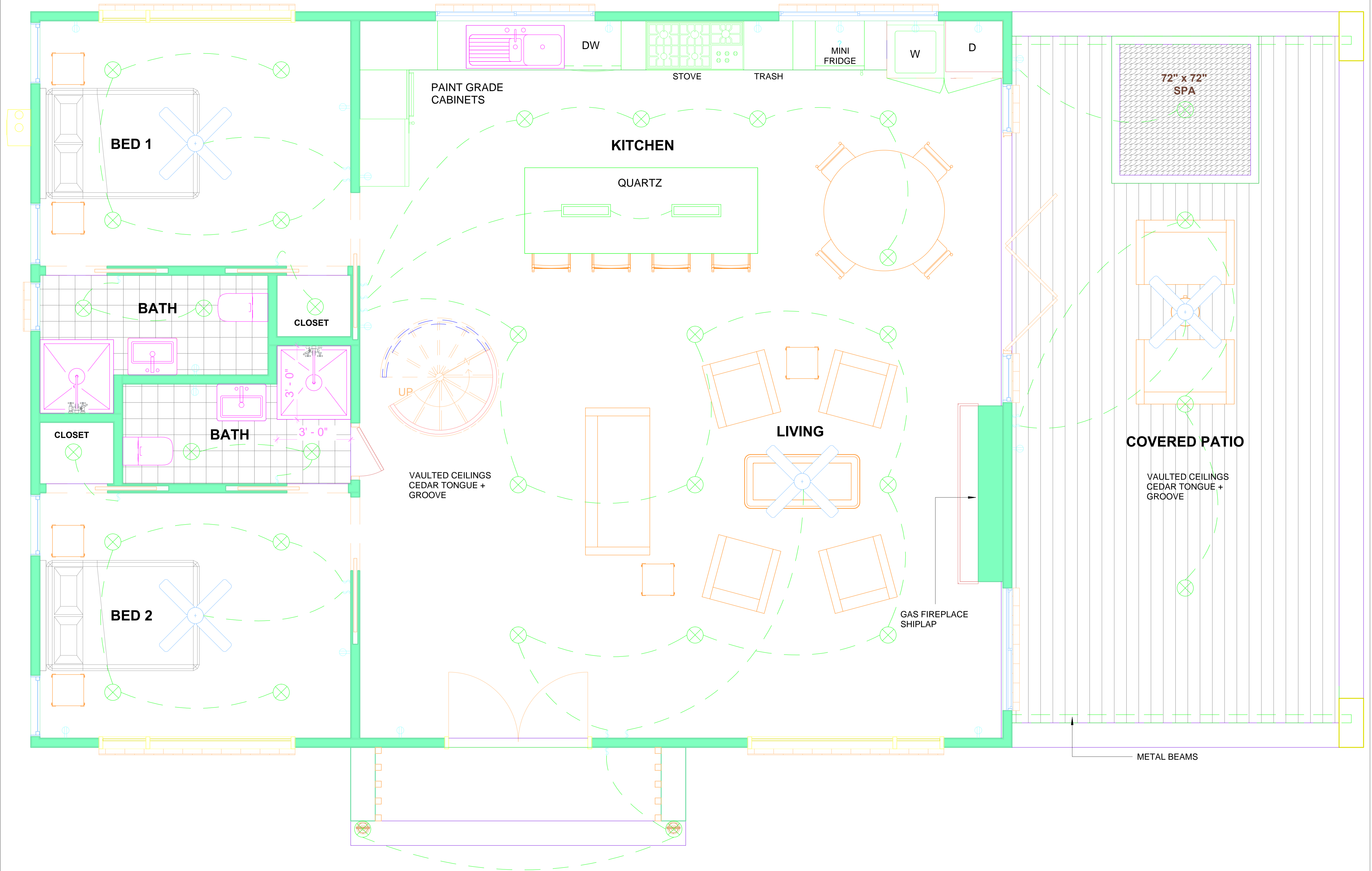
drawing title

FIRE FIGHTING LAYOUT
FOR GROUND FLOOR

designed MUF	coordinated MUF	drawing No: F05.01
checked MUF	approved MUF	revision suffix
scale 1/8"=1'-0"	date JUNE, 2023	drawn MA
		job no.

ELECTRICAL SCHEDULE

SYMBOL	DESCRIPTION
	SWITCH
	DBL-SWITCH
	TRIPLE-SWITCH
	DUPLEX
	OVERHEAD LIGHT FIXTURE
	PENDANT LIGHT FIXTURE
	WALL LAMP
	PADDLE FAN



AC

LOFT

CLOSET

DN

