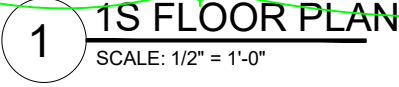
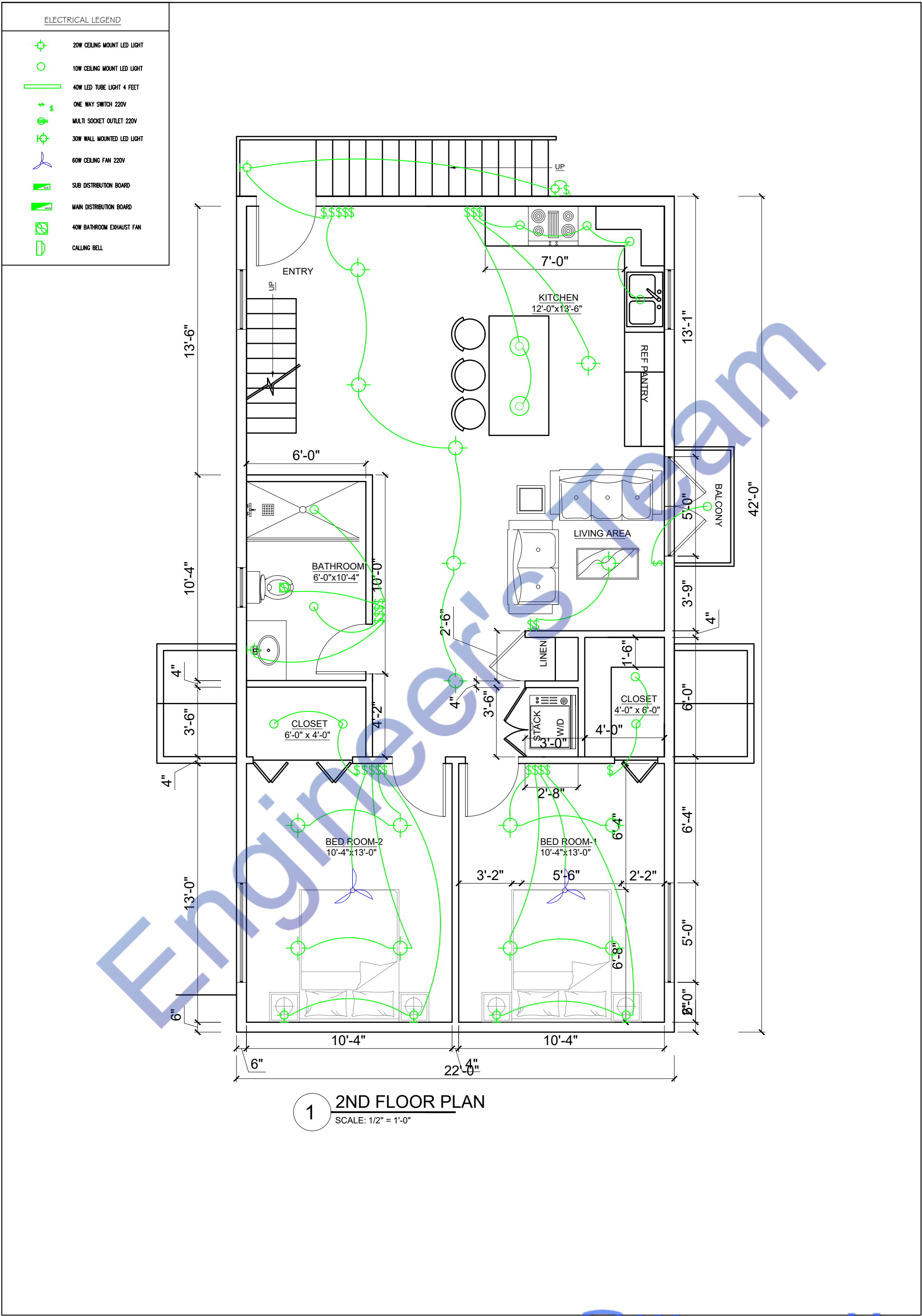


ELECTRICAL LEGEND	
	20W CEILING MOUNT LED LIGHT
	10W CEILING MOUNT LED LIGHT
	40W LED TUBE LIGHT 4 FEET
	ONE WAY SWITCH 220V
	MULTI SOCKET OUTLET 220V
	30W WALL MOUNTED LED LIGHT
	60W CEILING FAN 220V
	SUB DISTRIBUTION BOARD
	MAIN DISTRIBUTION BOARD
	40W BATHROOM EXHAUST FAN
	CALLING BELL





DRAWINGS PROVIDED BY:
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ARCHITECTURE, (M.E.P.) CONSULTANT, QUANTITY SURVEYOR,
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ALTHOUGH GREAT EFFORT AND CARE HAVE GONE INTO THE PREPARATION OF THIS PLAN, IT IS IMPOSSIBLE TO AFFECT ANY CONTROL OVER THE ACTUAL CONSTRUCTION FOR THAT REASON AND DUE TO THE MANY JURISDICTIONAL DIFFERENCES IN LOCAL BUILDING CODE REQUIREMENTS AND OTHER LOCAL SEISMIC AND WEATHER CONDITIONS, IAC ASSUMES NO RESPONSIBILITY FOR ANY DAMAGES, MONETARY OR OTHERWISE, INCLUDING STRUCTURAL FAILURES DUE TO ANY DEFICIENCIES, OMISSIONS, OR ERRORS IN THE DESIGN. HOME PLANS ARE GENERAL IN NATURE. IT IS THE RESPONSIBILITY OF THE OWNER AND BUILDER TO CONSULT A LOCAL ARCHITECT OR ENGINEER AND TO CHECK WITH LOCAL BUILDING OFFICIALS BEFORE THE START OF CONSTRUCTION. ADDITIONAL ENGINEERING AND DESIGN MAY BE REQUIRED TO COMPLY WITH LOCAL BUILDING CODES.

DRAWING TITLE:
ELECTRICAL PLAN

CLIENT NAME:
SUAVIEDAVIS
PROJECT ADDRESS:
**215 4TH TERRACE NORTH
STATE OF ALABAMA
COUNTY OF JEFFERSON)**

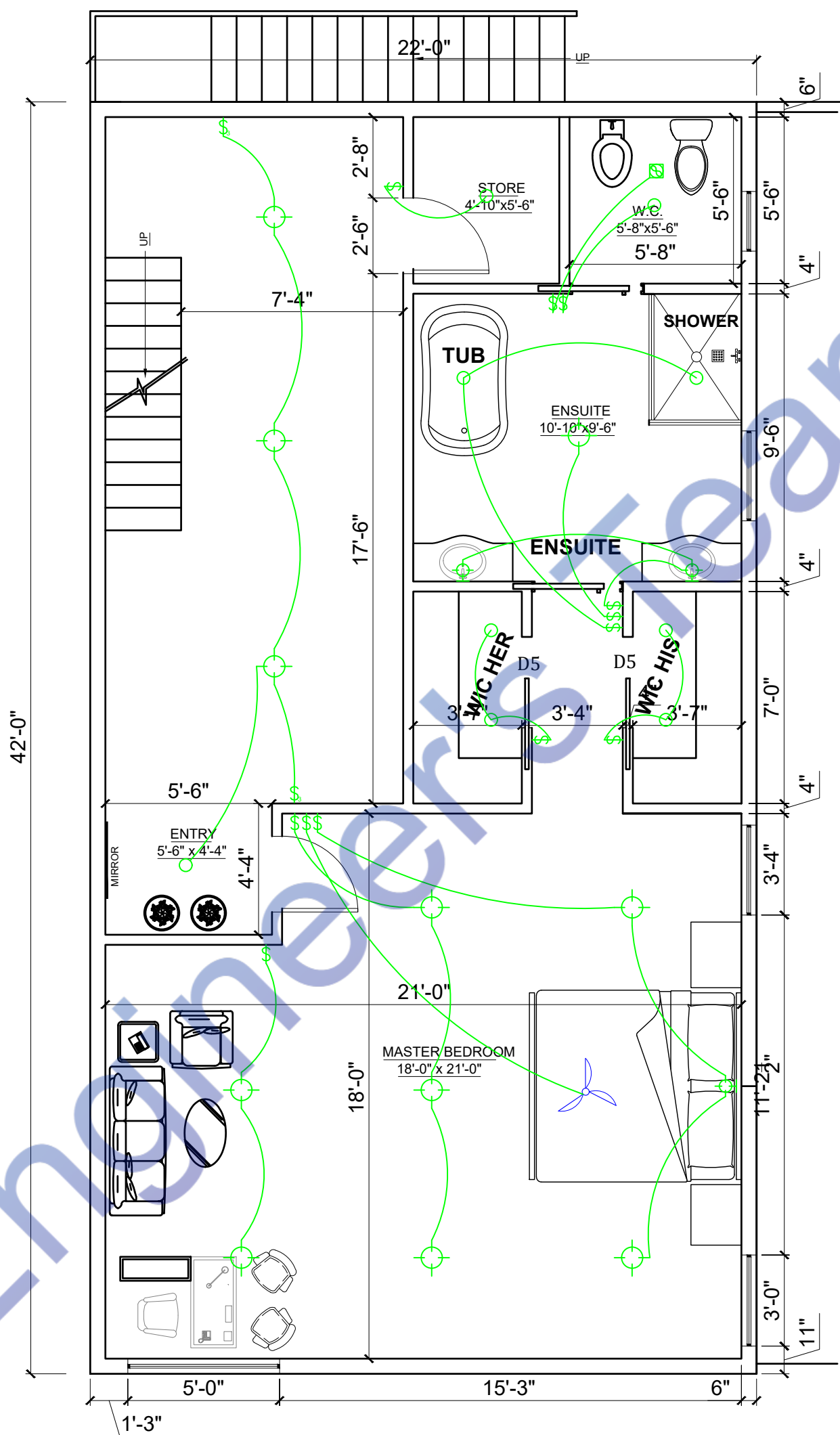
SCALE:
1/2" = 1'-0"
DATE:
DATE

DWG NO.:
DWGNO
REVISION:
0

SHEET NO.

A-2

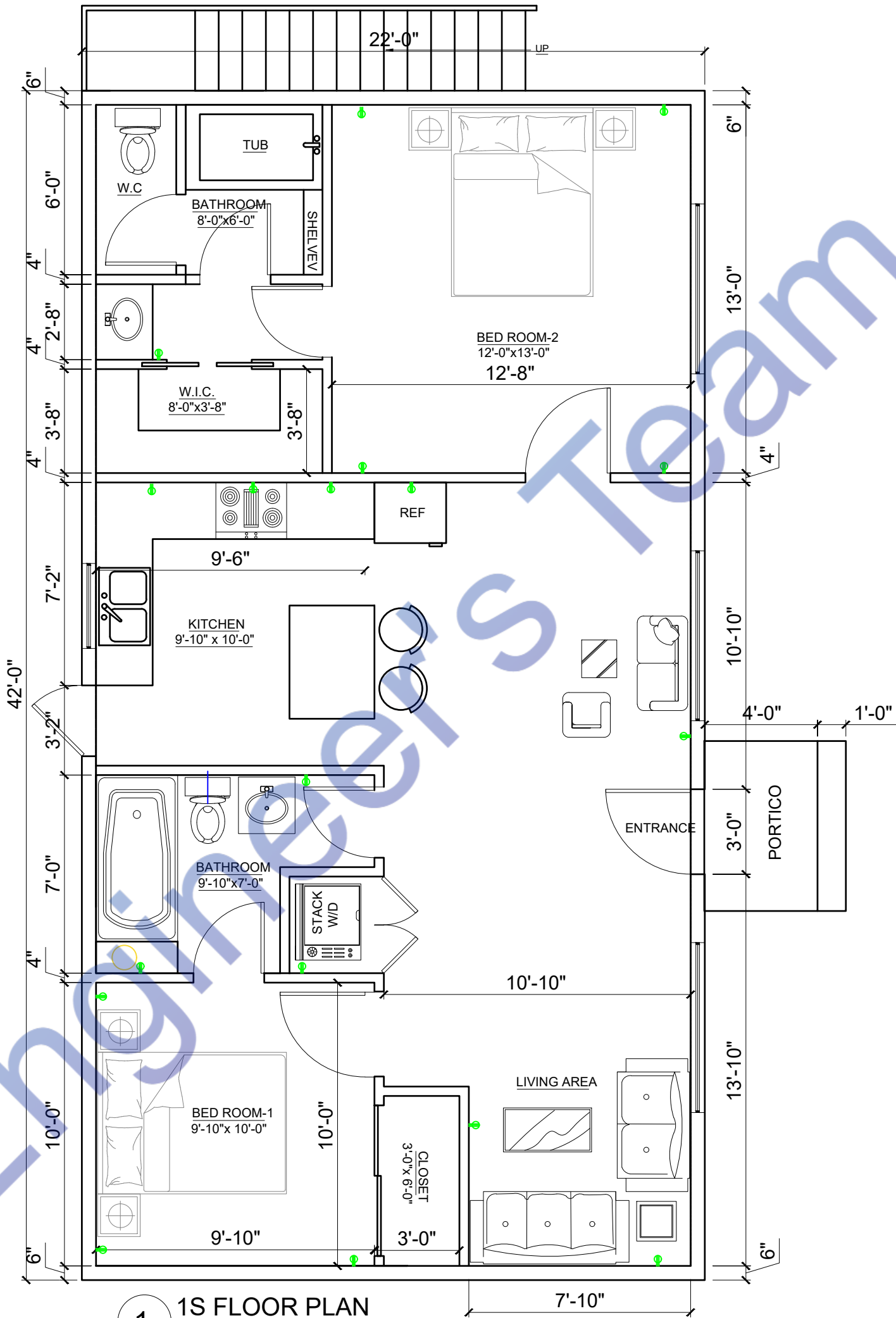
<u>ELECTRICAL LEGEND</u>	
	20W CEILING MOUNT LED LIGHT
	10W CEILING MOUNT LED LIGHT
	40W LED TUBE LIGHT 4 FEET
	ONE WAY SWITCH 220V
	MULTI SOCKET OUTLET 220V
	30W WALL MOUNTED LED LIGHT
	60W CEILING FAN 220V
	SUB DISTRIBUTION BOARD
	MAIN DISTRIBUTION BOARD
	40W BATHROOM EXHAUST FAN
	CALLING BELL



1 3RD FLOOR PLAN
SCALE: 1/2" = 1'-0"

ELECTRICAL LEGEND

- 20W CEILING MOUNT LED LIGHT
- 10W CEILING MOUNT LED LIGHT
- 40W LED TUBE LIGHT 4 FEET
- ONE WAY SWITCH 220V
- MULTI SOCKET OUTLET 220V
- 30W WALL MOUNTED LED LIGHT
- 60W CEILING FAN 220V
- SUB DISTRIBUTION BOARD
- MAIN DISTRIBUTION BOARD
- 40W BATHROOM EXHAUST FAN
- CALLING BELL



1S FLOOR PLAN

SCALE: 1/2" = 1'-0"

DRAWINGS PROVIDED BY:

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&CONSULTANTS
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DRAWING TITLE:

ELECTRICAL POWER PLAN

CLIENT NAME:

SUAVIEDAVIS

PROJECT ADDRESS:

215 4TH TERRACE NORTH
STATE OF ALABAMA
COUNTY OF JEFFERSON)

SCALE:

1/2"=1'-0"

DATE:

DATE

DWG NO.:

DWGNO

REVISION:

0

SHEET NO.

A4

ELECTRICAL LEGEND

20W CEILING MOUNT LED LIGHT

10W CEILING MOUNT LED LIGHT

40W LED TUBE LIGHT 4 FEET

ONE WAY SWITCH 220V

MULTI SOCKET OUTLET 220V

30W WALL MOUNTED LED LIGHT

60W CEILING FAN 220V

SUB DISTRIBUTION BOARD

MAIN DISTRIBUTION BOARD

40W BATHROOM EXHAUST FAN

CALLING BELL

The 2nd floor plan shows a rectangular building layout. At the top is an entry with stairs going up. To the right of the entry is a kitchen (12'-0" x 13'-6") with a sink, stove, and refrigerator. Adjacent to the kitchen is a living area with a sofa and a balcony (5'-0" x 5'-0"). A bathroom (6'-0" x 10'-4") is located to the left of the living area. A closet (6'-0" x 4'-0") is situated between the bathroom and the bedrooms. The plan includes two bedrooms: Bed Room-1 (10'-4" x 13'-0") and Bed Room-2 (10'-4" x 13'-0"). A linen closet and another closet (4'-0" x 6'-0") are also shown. Dimensions for walls, doors, and furniture are provided throughout the plan. Electrical symbols for lights, switches, outlets, and fans are placed in their respective locations.

1

2ND FLOOR PLAN

SCALE: 1/2" = 1'-0"

DRAWINGS PROVIDED BY:

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DRAWING TITLE:

ELECTRICAL POWER PLAN

CLIENT NAME:

SUAVIEDAVIS

PROJECT ADDRESS:

215 4TH TERRACE NORTH
STATE OF ALABAMA
COUNTY OF JEFFERSON)

SCALE:

1/2"=1'-0"

DATE:

DATE

DWG NO.:

DWGN0

REVISION:

0

SHEET NO.

A-5

ELECTRICAL LEGEND

20W CEILING MOUNT LED LIGHT

10W CEILING MOUNT LED LIGHT

40W LED TUBE LIGHT 4 FEET

ONE WAY SWITCH 220V

MULTI SOCKET OUTLET 220V

30W WALL MOUNTED LED LIGHT

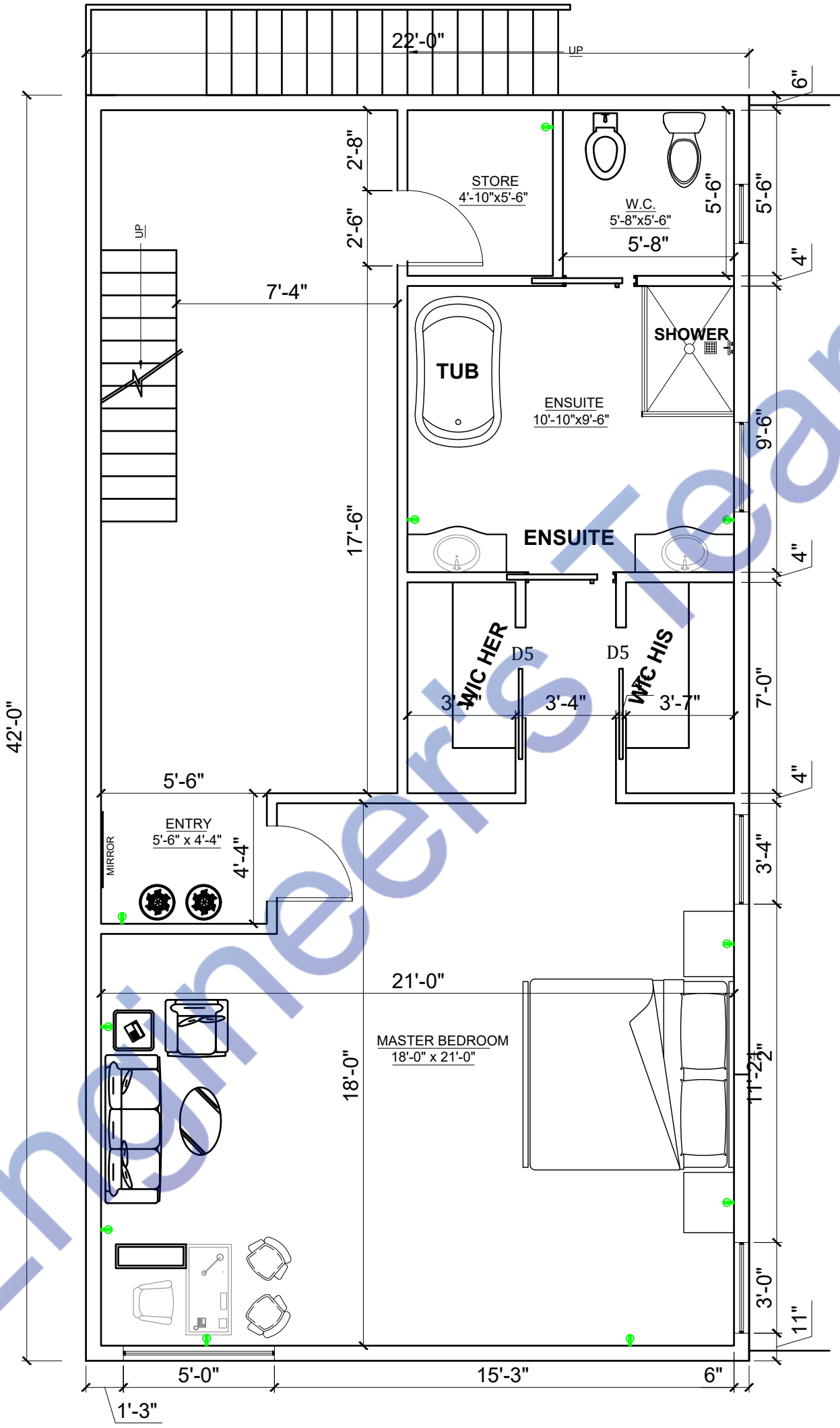
60W CEILING FAN 220V

SUB DISTRIBUTION BOARD

MAIN DISTRIBUTION BOARD

40W BATHROOM EXHAUST FAN

CALLING BELL



1

3RD FLOOR PLAN

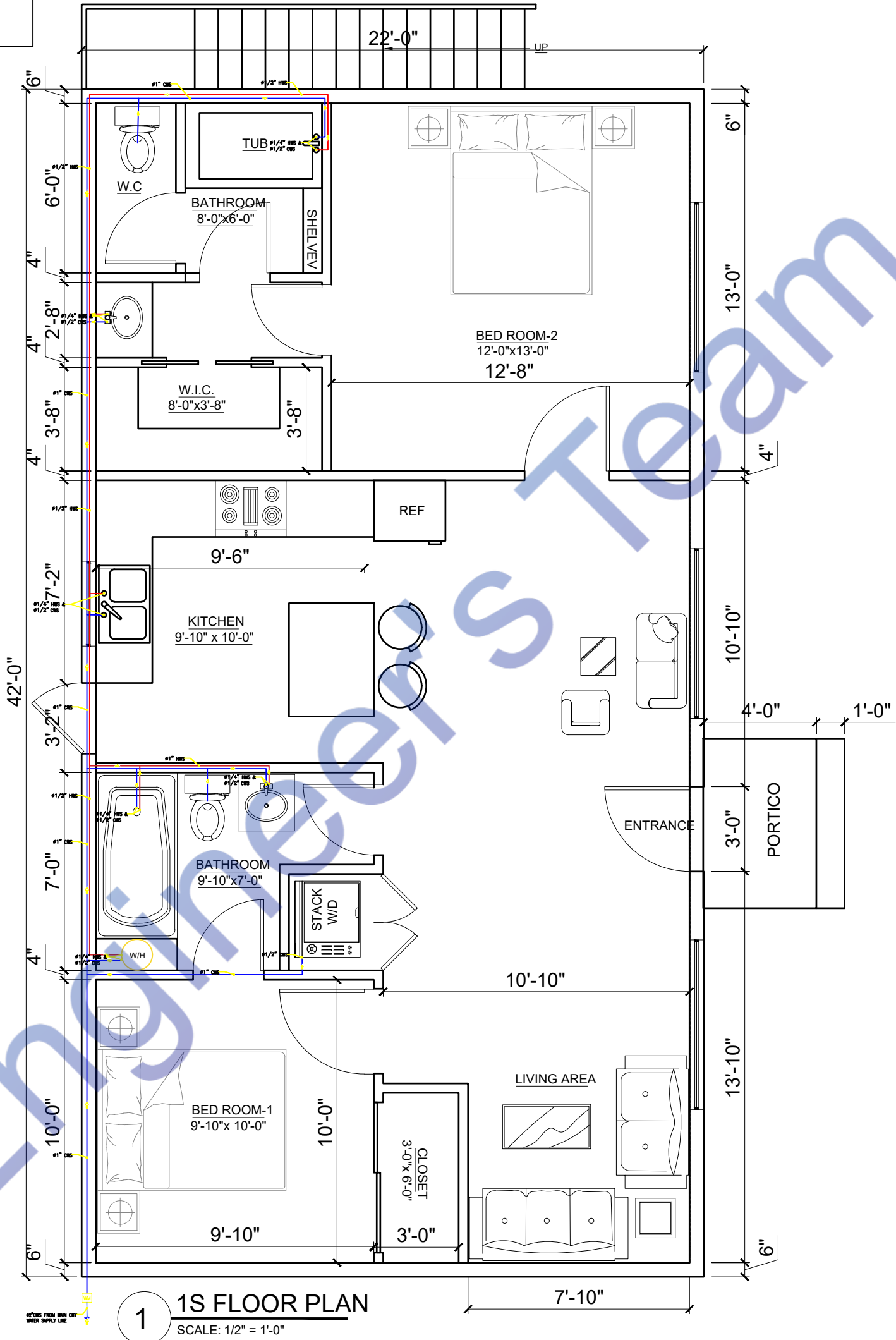
SCALE: 1/2" = 1'-0"

PLUMBING LEGEND

- HOT WATER SUPPLY (CPVC PIPE)
- COLD WATER SUPPLY (CPVC PIPE)
- NATURAL GAS SUPPLY (IPS YELLOW POLY GAS PIPE)

SEWERAGE LEGEND

- WASTE WATER/ SEWER LINE (4"Ø UPVC PIPE)
- TOILET WASTE/ SEWER LINE (4"Ø UPVC PIPE)



DRAWINGS PROVIDED BY:

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DRAWING TITLE:

PLUMBING WATER SUPPLY PLAN

CLIENT NAME:

SUAMIEDAVIS

PROJECT ADDRESS:

215 4TH TERRACE NORTH
STATE OF ALABAMA
COUNTY OF JEFFERSON

SCALE:

1/2" = 1'-0"

DATE:

DATE

DWG NO.:

DWGNO

REVISION:

0

SHEET NO.

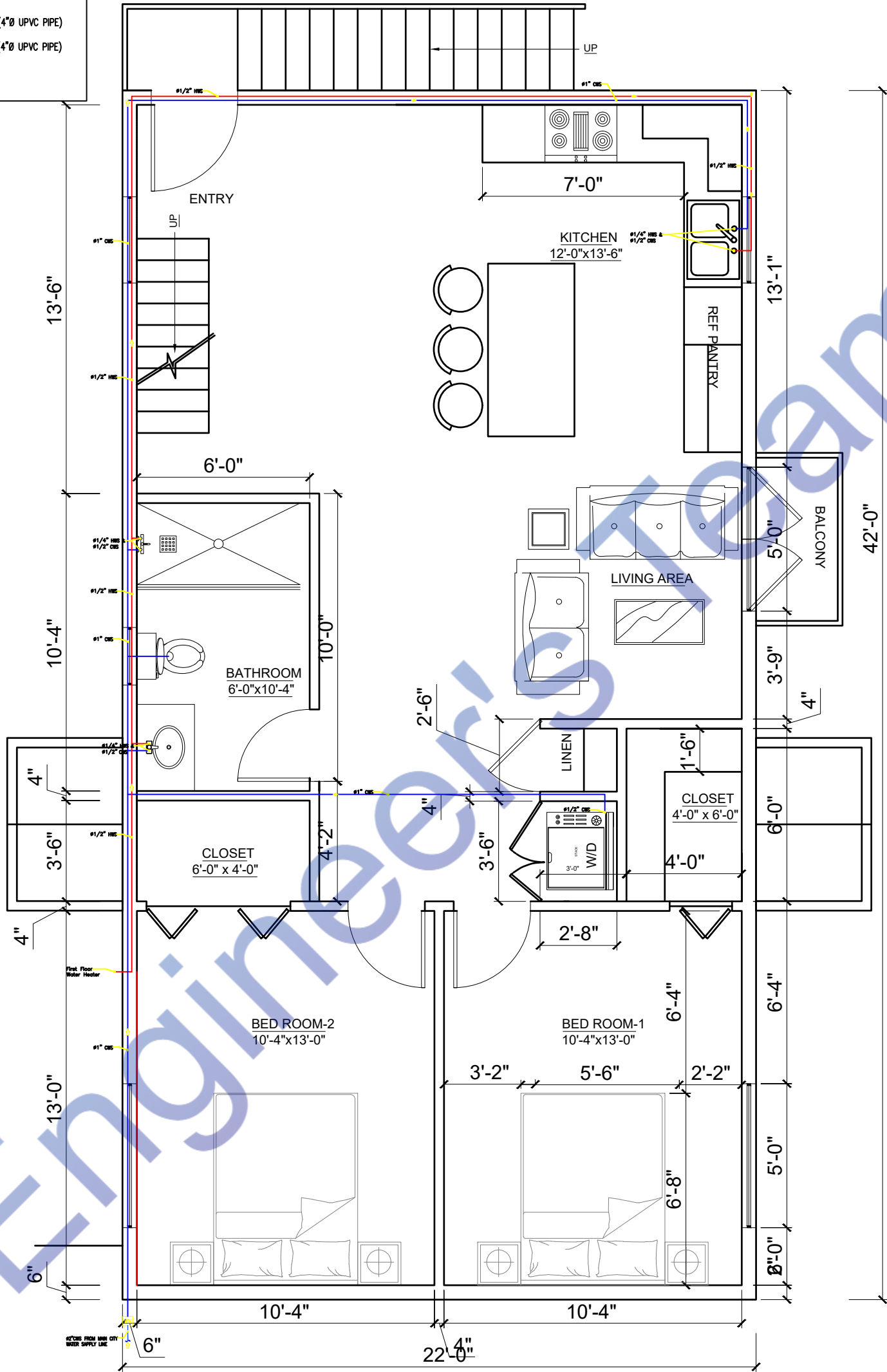
A-7

PLUMBING LEGEND

- HOT WATER SUPPLY (CPVC PIPE)
- COLD WATER SUPPLY (CPVC PIPE)
- NATURAL GAS SUPPLY (IPS YELLOW POLY GAS PIPE)

SEWERAGE LEGEND

- WASTE WATER/ SEWER LINE (4"Ø UPVC PIPE)
- TOILET WASTE/ SEWER LINE (4"Ø UPVC PIPE)



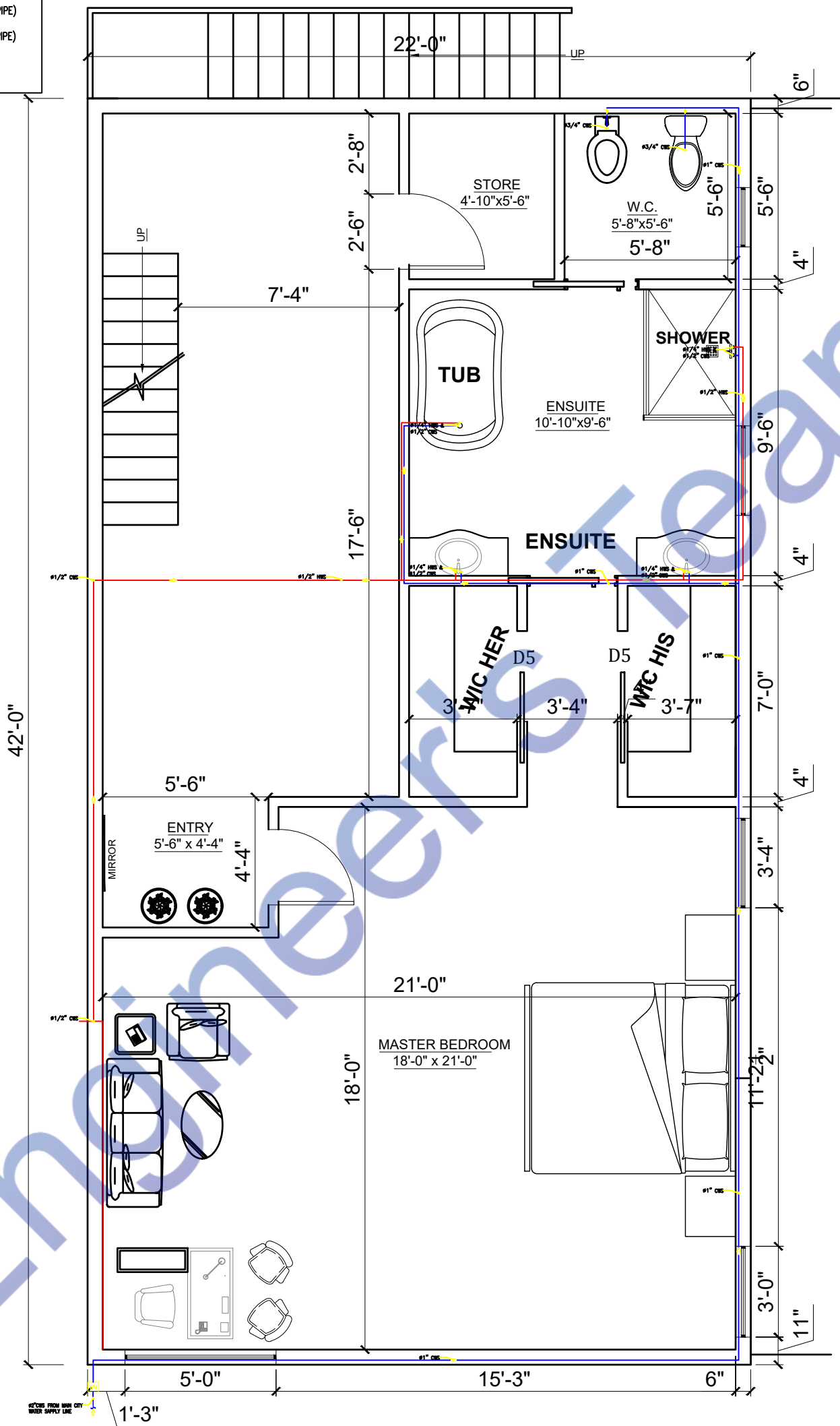
1 2ND FLOOR PLAN
SCALE: 1/2" = 1'-0"

PLUMBING LEGEND

- HOT WATER SUPPLY (CPVC PIPE)
- COLD WATER SUPPLY (CPVC PIPE)
- NATURAL GAS SUPPLY (IPS YELLOW POLY GAS PIPE)

SEWERAGE LEGEND

- WASTE WATER/ SEWER LINE (4"Ø UPVC PIPE)
- TOILET WASTE/ SEWER LINE (4"Ø UPVC PIPE)



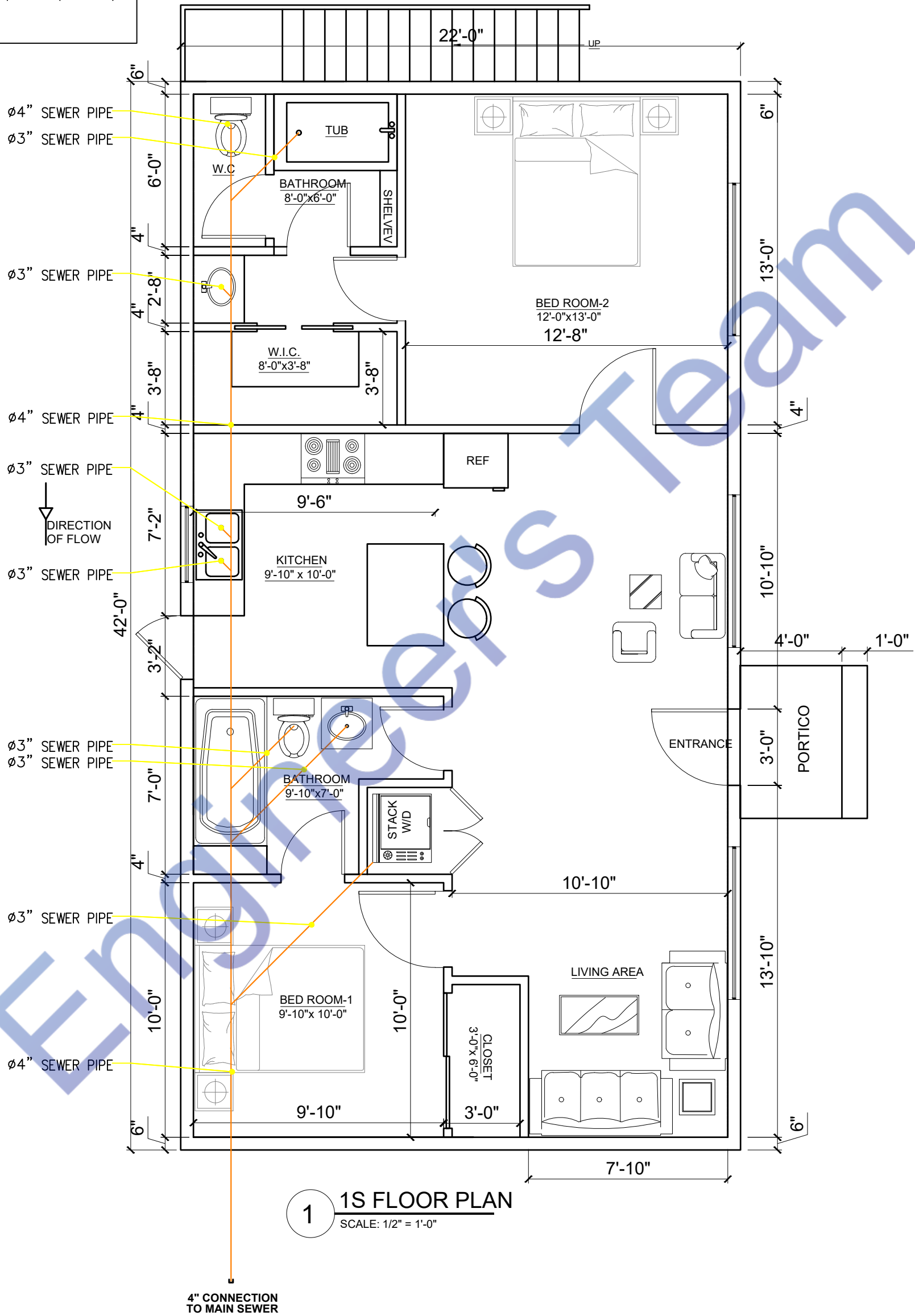
1 3RD FLOOR PLAN
SCALE: 1/2" = 1'-0"

PLUMBING LEGEND

- HOT WATER SUPPLY (CPVC PIPE)
- COLD WATER SUPPLY (CPVC PIPE)
- NATURAL GAS SUPPLY (IPS YELLOW POLY GAS PIPE)

SEWERAGE LEGEND

- WASTE WATER/ SEWER LINE (4"Ø UPVC PIPE)
- TOILET WASTE/ SEWER LINE (4"Ø UPVC PIPE)



1 1S FLOOR PLAN
SCALE: 1/2" = 1'-0"

DRAWINGS PROVIDED BY:
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DRAWING TITLE:
PLUMBING DRAINAGE PLAN

CLIENT NAME:
SUAVIEDAVIS
PROJECT ADDRESS:
**215 4TH TERRACE NORTH
STATE OF ALABAMA
COUNTY OF JEFFERSON**

SCALE:
1/2" = 1'-0"
DATE:
DATE

DWG NO.:
DWGNO
REVISION:
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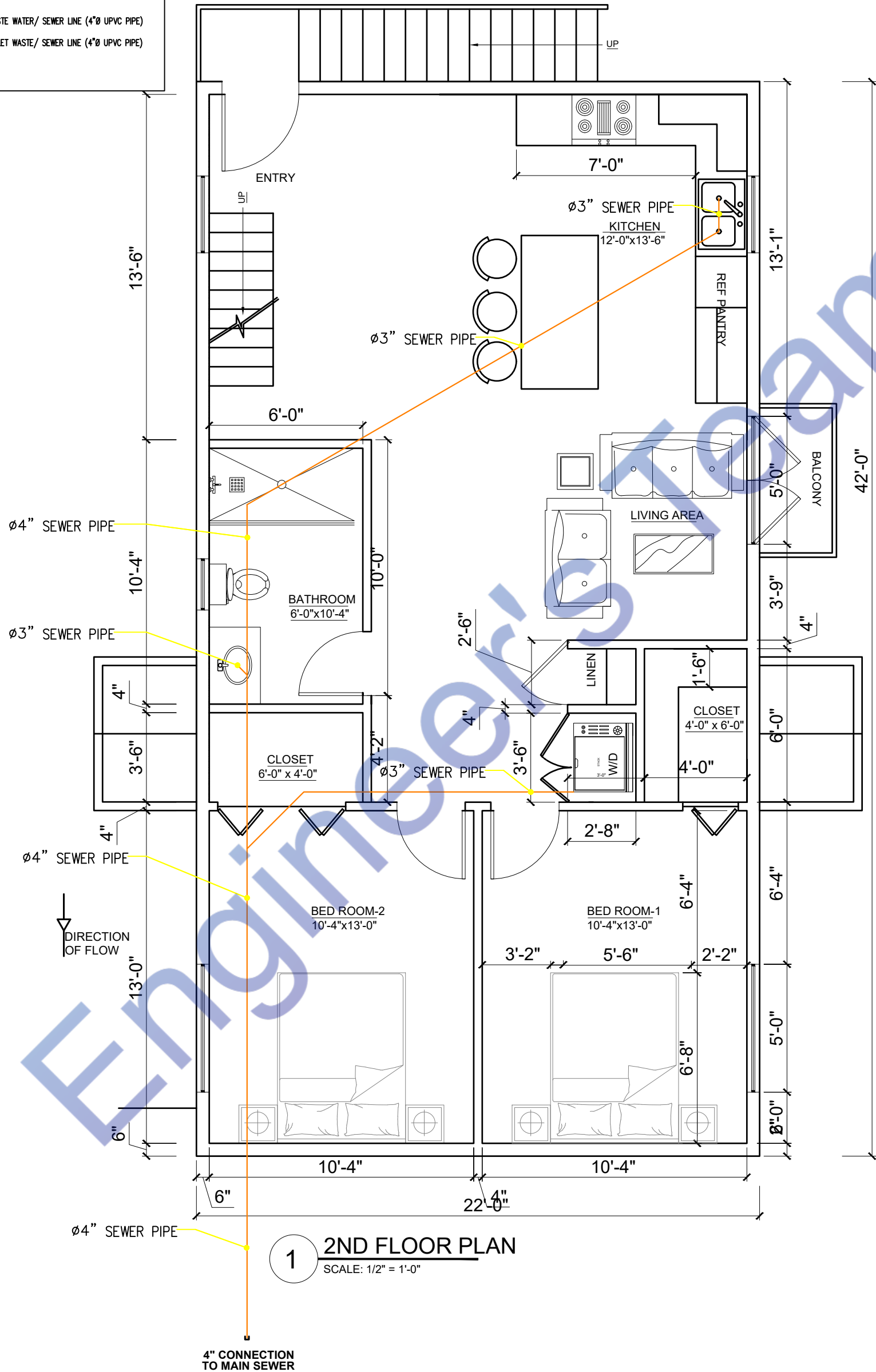
SHEET NO.
A-10

PLUMBING LEGEND

- HOT WATER SUPPLY (CPVC PIPE)
- COLD WATER SUPPLY (CPVC PIPE)
- NATURAL GAS SUPPLY (IPS YELLOW POLY GAS PIPE)

SEWERAGE LEGEND

- WASTE WATER/ SEWER LINE (4"Ø UPVC PIPE)
- TOILET WASTE/ SEWER LINE (4"Ø UPVC PIPE)

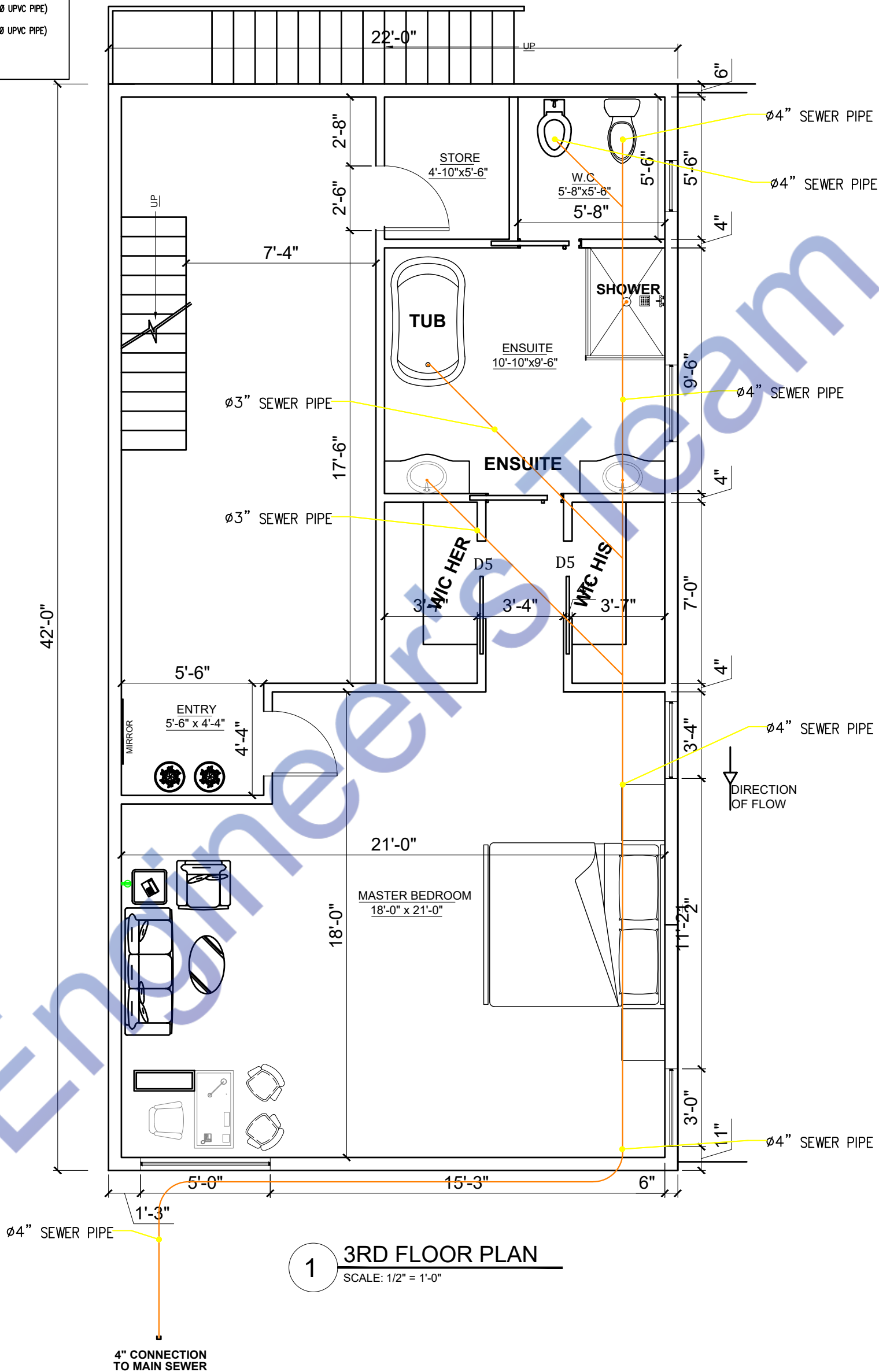


PLUMBING LEGEND

- HOT WATER SUPPLY (CPVC PIPE)
- COLD WATER SUPPLY (CPVC PIPE)
- NATURAL GAS SUPPLY (IPS YELLOW POLY GAS PIPE)

SEWERAGE LEGEND

- WASTE WATER/ SEWER LINE (4"Ø UPVC PIPE)
- TOILET WASTE/ SEWER LINE (4"Ø UPVC PIPE)



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DRAWING TITLE:

PLUMBING DRAINAGE PLAN

CLIENT NAME:

SUAVIEDAVIS

PROJECT ADDRESS:

215 4TH TERRACE NORTH
STATE OF ALABAMA
COUNTY OF JEFFERSON)

SCALE:

1/2"=1'-0"

DATE:

DATE

DWG NO.:

DWGNO

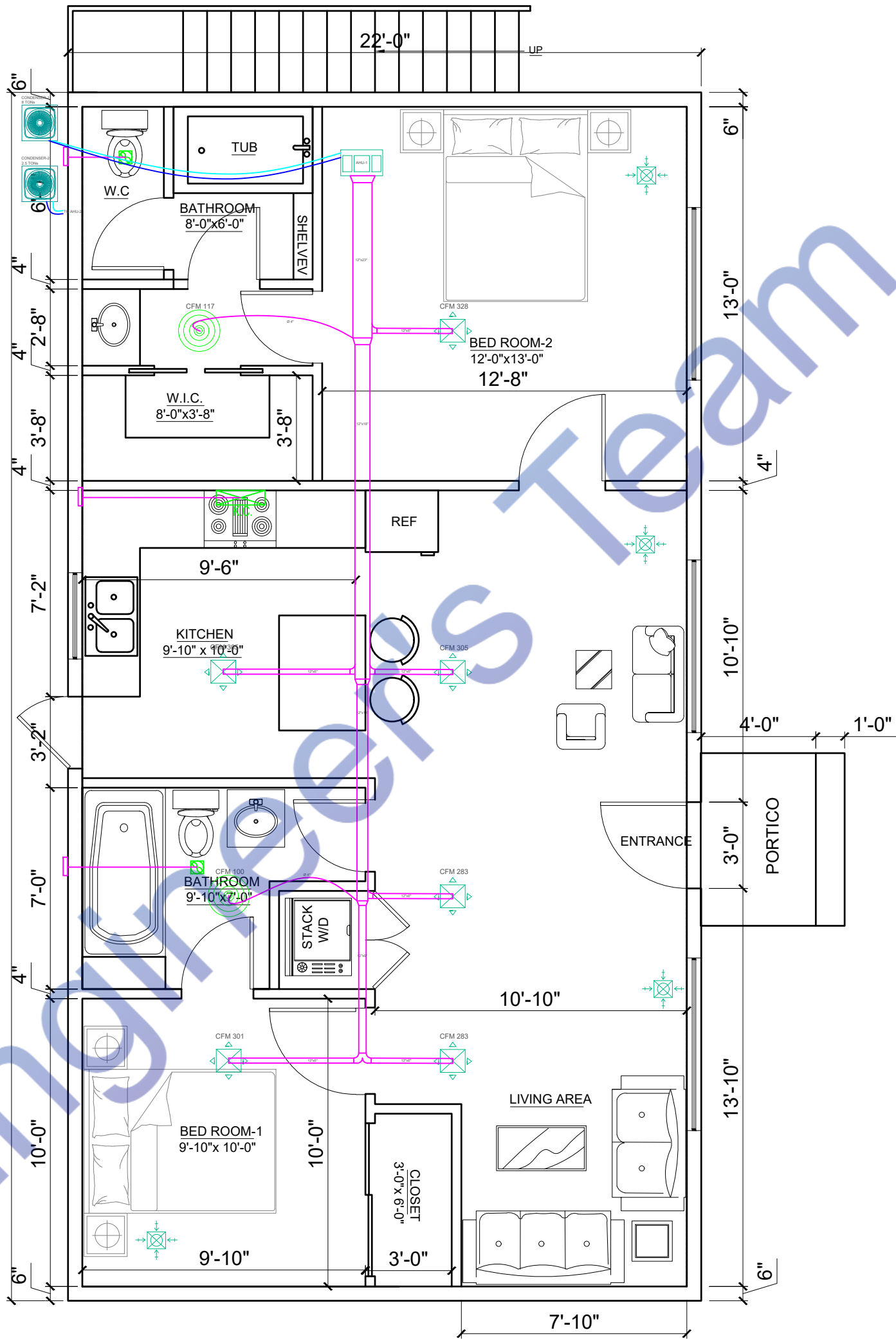
REVISION:

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SHEET NO.

A-12

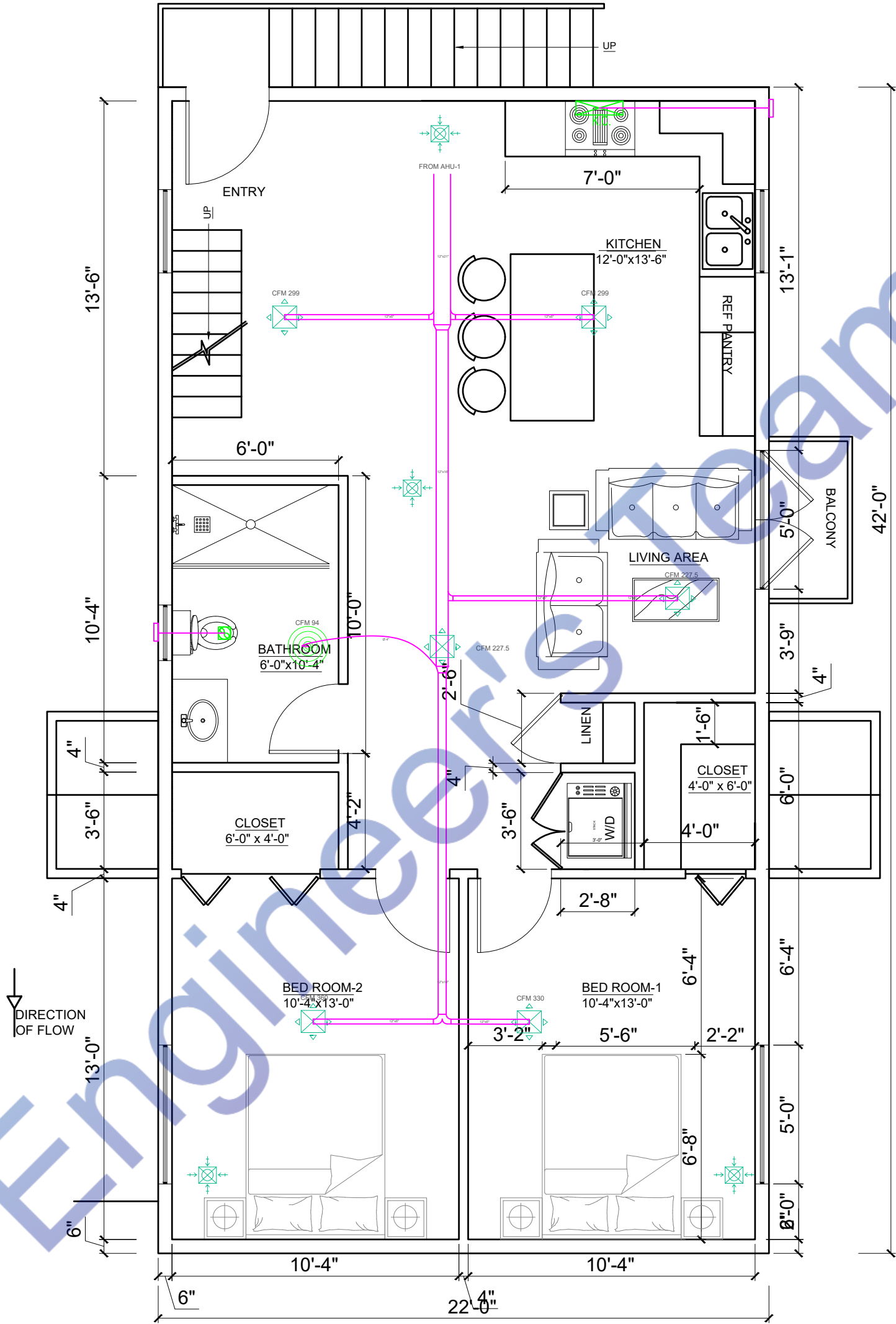
Mechanical Legends	
	ROOF TOP UNIT
	SUPPLY AIR DIFFUSER
	EXHAUST AIR DIFFUSER
	KITCHEN CHIMNEY
	EXHAUST FAN
	SUPPLY AIR DUCT



1 1S FLOOR PLAN
SCALE: 1/2" = 1'-0"

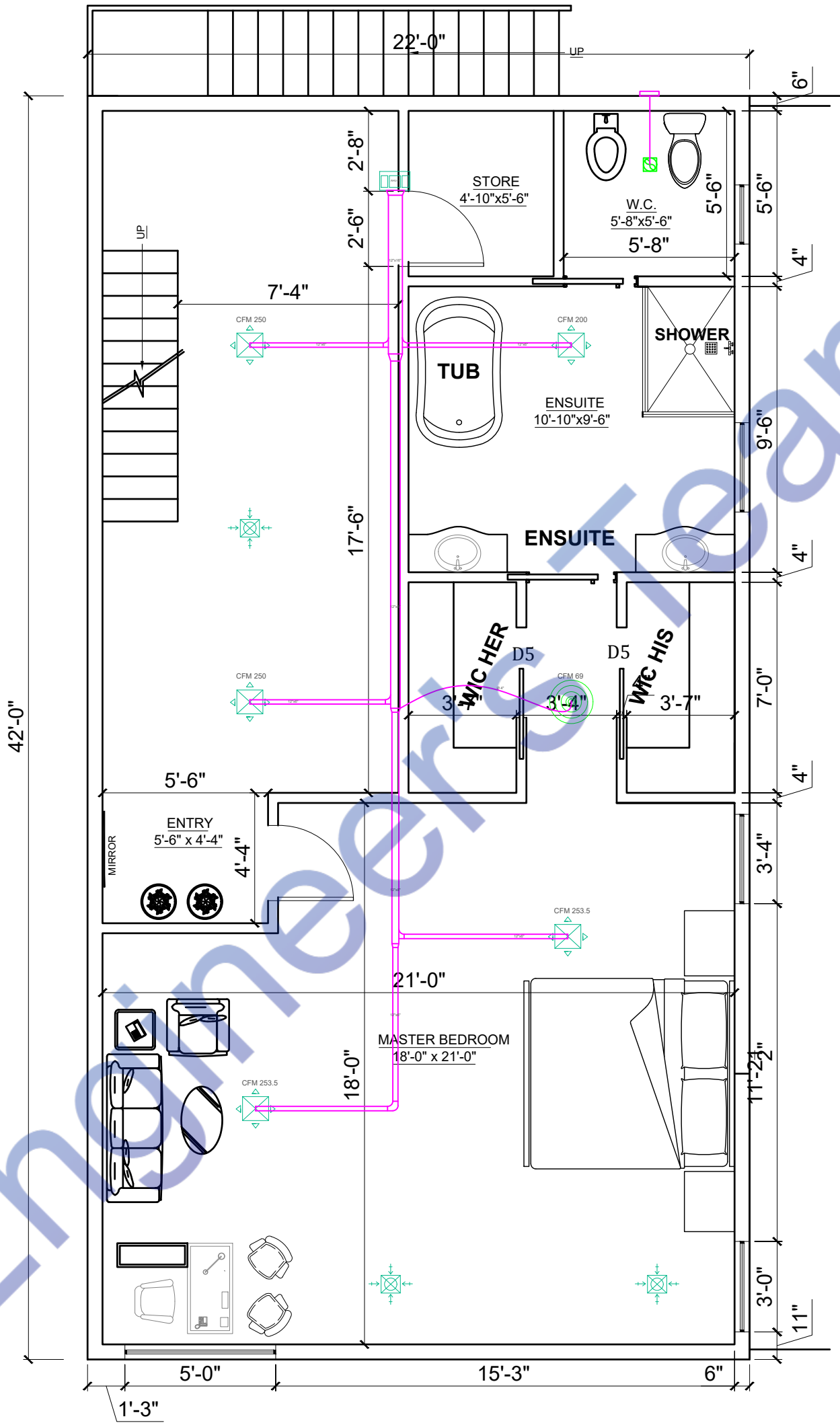
EXHAUST FAN SCHEDULE									
MARK	SERVING	CFM	SP	WATTS	RPM	VOLTAGE	MAKE MODEL	NOTES	FAN TYPE
EF-1	BATHROOM	50	-	50	460	120/60/1	Brown-NuTone 688		IN-LINE
EF-2	KITCHEN	375	-	78	460	120/60/1	Brown-NuTone BCSQ136SS		IN-LINE
NOTES									
1. COMPLETE W/BACKDRAFT DAMPER.				3. INTERLOCK TO OPERATE WHENEVER RTUS OPERATE.					
2. PROVIDE THERMOSTATIC CONTROL DEVICES				4. MAINTAIN A MINIMUM CLEARANCE OF 10'-0" FROM ALL INTAKE AIR FANS AND ALL ROOF TOP UNITS OUTSIDE AIR INTAKE OPENINGS.					

Mechanical Legends	
	ROOF TOP UNIT
	SUPPLY AIR DIFFUSER
	EXHAUST AIR DIFFUSER
	KITCHEN CHIMNEY
	EXHAUST FAN
	SUPPLY AIR DUCT

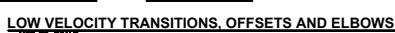
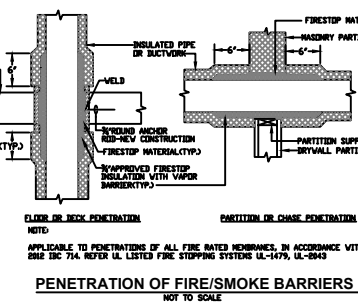


1 2ND FLOOR PLAN
SCALE: 1/2" = 1'-0"

Mechanical Legends	
	AIR HANDLING UNIT
	SUPPLY AIR DIFFUSER
	EXHAUST AIR DIFFUSER
	KITCHEN CHIMNEY
	EXHAUST FAN
	SUPPLY AIR DUCT



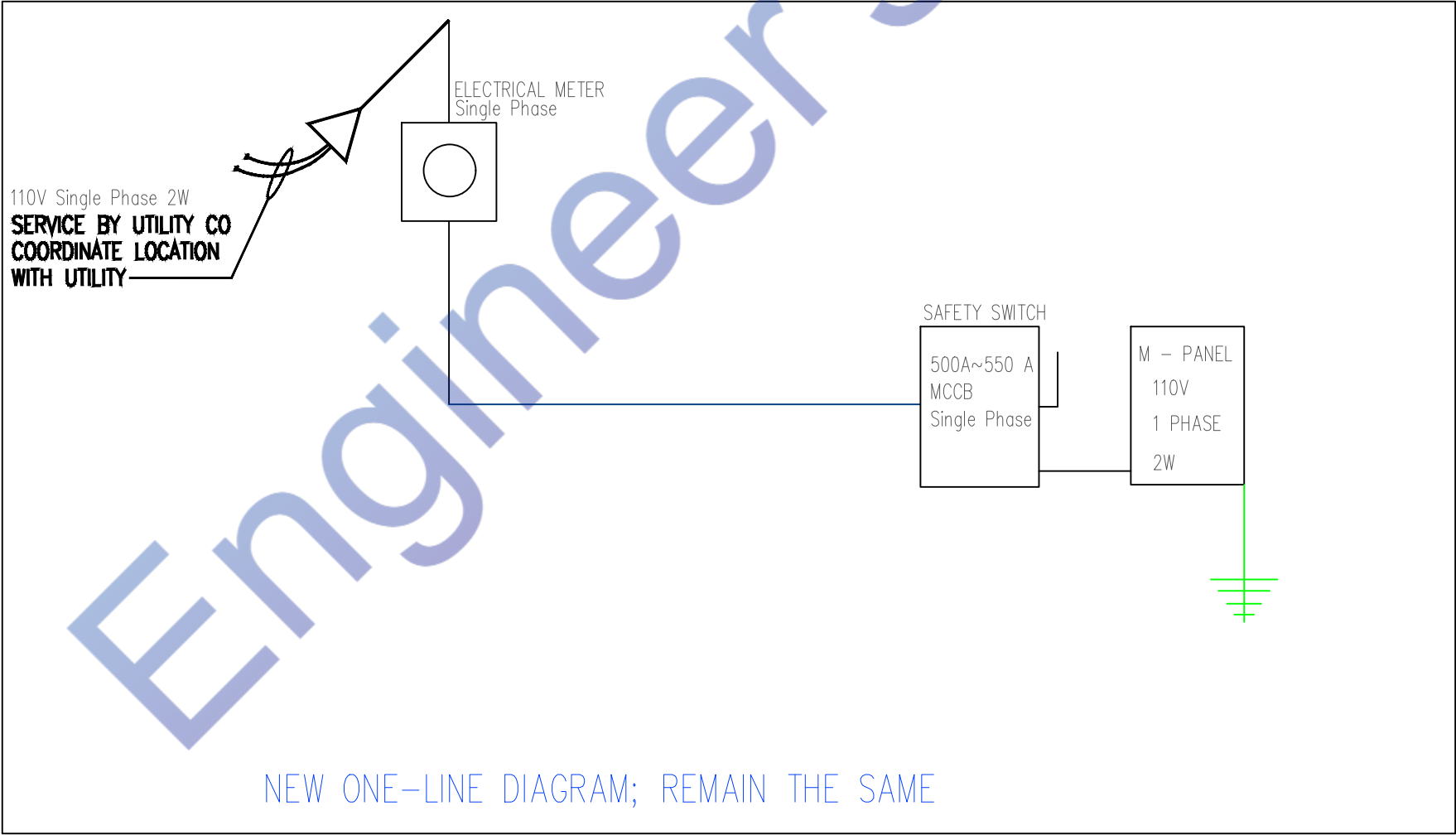
1 3RD FLOOR PLAN
SCALE: 1/2" = 1'-0"



1. REFER TO ARCHITECT DRAWINGS FOR TYPE OF CEILING.
2. MODEL NUMBERS IN "BASIS OF DESIGN" ARE TITUS
3. PROVIDE HEAVY DUTY FRAME AND CORE WHERE MOUNTED IN FLOORS.
4. PROVIDE WITH FIRE DAMPER FOR UL LISTED CEILING
5. PROVIDE ROUND TO SQUARE ADAPTOR BOOT



ELECTRICAL PANEL M												
LOAD SERVED	CKT #	TYPE	BKR TRIP	WIRE SIZE	PHASE A		PHASE A	BKR TRIP	WIRE SIZE	TYPE	CKT #	LOAD SERVED
KITCHEN ROOM POWER	1		25	#12	3000		300	15	#14		2	BEDROOM-1 POWER
DINING ROOM POWER	3		20	#12	1500		200	15	#14		4	BEDROOM-2 POWER
LIVING ROOM POWER	5		20	#12	1000		200	15	#14		6	BEDROOM-3 POWER
BATHROOM -1,2,3 POWER	7		15	#14	300		200	15	#14		8	BABEDROOM-4 POWER
LANUDRY - 1,2 POWER	9		25	#12	2000		300	15	#14		10	BABEDROOM-5 POWER
HVAC - 1	11		250	#2	28135		3500	30	#10		12	WATER HEATER
HVAC - 2	13		80	#3	8792		2470	25	#12		14	TOTAL LIGHTS & FAN
SPARE	15		15	#14	0		0	0	#14		15	SPARE
TOTAL VA PHASE A							7170				51897	
DIVIDE TOTAL VOLT-AMPS BY SYSTEM VOLTAGE (PHASE TO PHASE)						120	AMPS			432		
TOTAL CONNECTED LOAD (AMPS) @ 125%						540						
MAIN TYPE AND AMPERE RATING						550 AMP MCCB						
PANEL FEEDER SIZE – SEE RISER DIAGRAM												



1
E200

SINGLE LINE DIAGRAM



Designed By Engr. Al Amin (MEP Engineer | Director - Engineer's Team LTD)

 support@engrteam.com

 <https://engrteam.com>

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