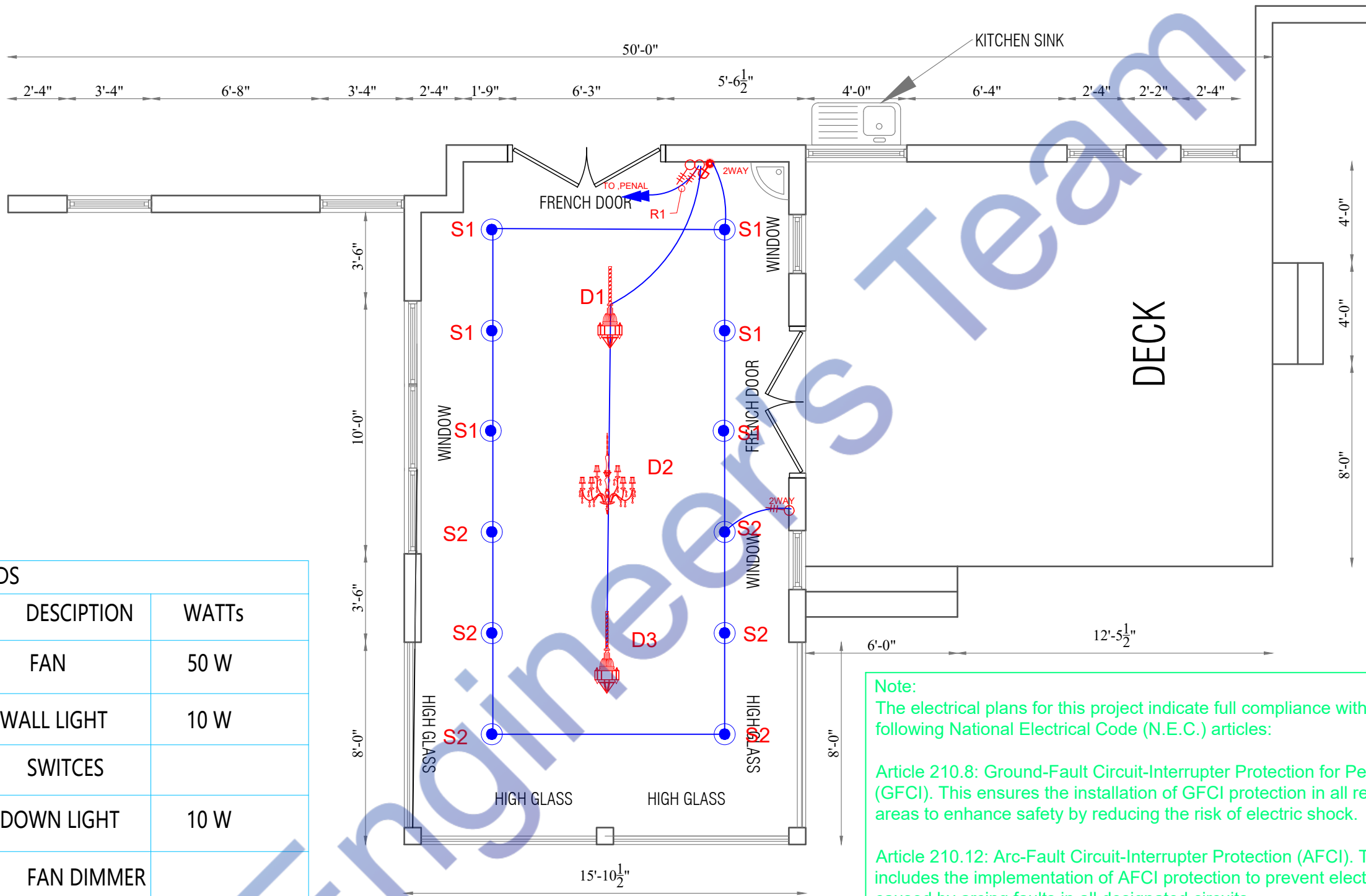


LEGENDS		
SYMBOLS	DESCRIPTION	WATTs
	FAN	50 W
	WALL LIGHT	10 W
	SWITCES	
	DOWN LIGHT	10 W
	FAN DIMMER	
	PENAL	
	CHANDLIER	50 W
	PENDIT LIGHT	20 W



LIGHTING PLAN

Note:
The electrical plans for this project indicate full compliance with the following National Electrical Code (N.E.C.) articles:

Article 210.8: Ground-Fault Circuit-Interrupter Protection for Personnel (GFCI). This ensures the installation of GFCI protection in all required areas to enhance safety by reducing the risk of electric shock.

Article 210.12: Arc-Fault Circuit-Interrupter Protection (AFCI). This includes the implementation of AFCI protection to prevent electrical fires caused by arcing faults in all designated circuits.

Article 406.12: Tamper-Resistant Receptacles. This mandates the use of tamper-resistant receptacles in specified locations to increase safety, particularly for children, by preventing the insertion of foreign objects into receptacle slots.

By adhering to these N.E.C. articles, the design promotes a safer and more reliable electrical installation.

PROJECT:
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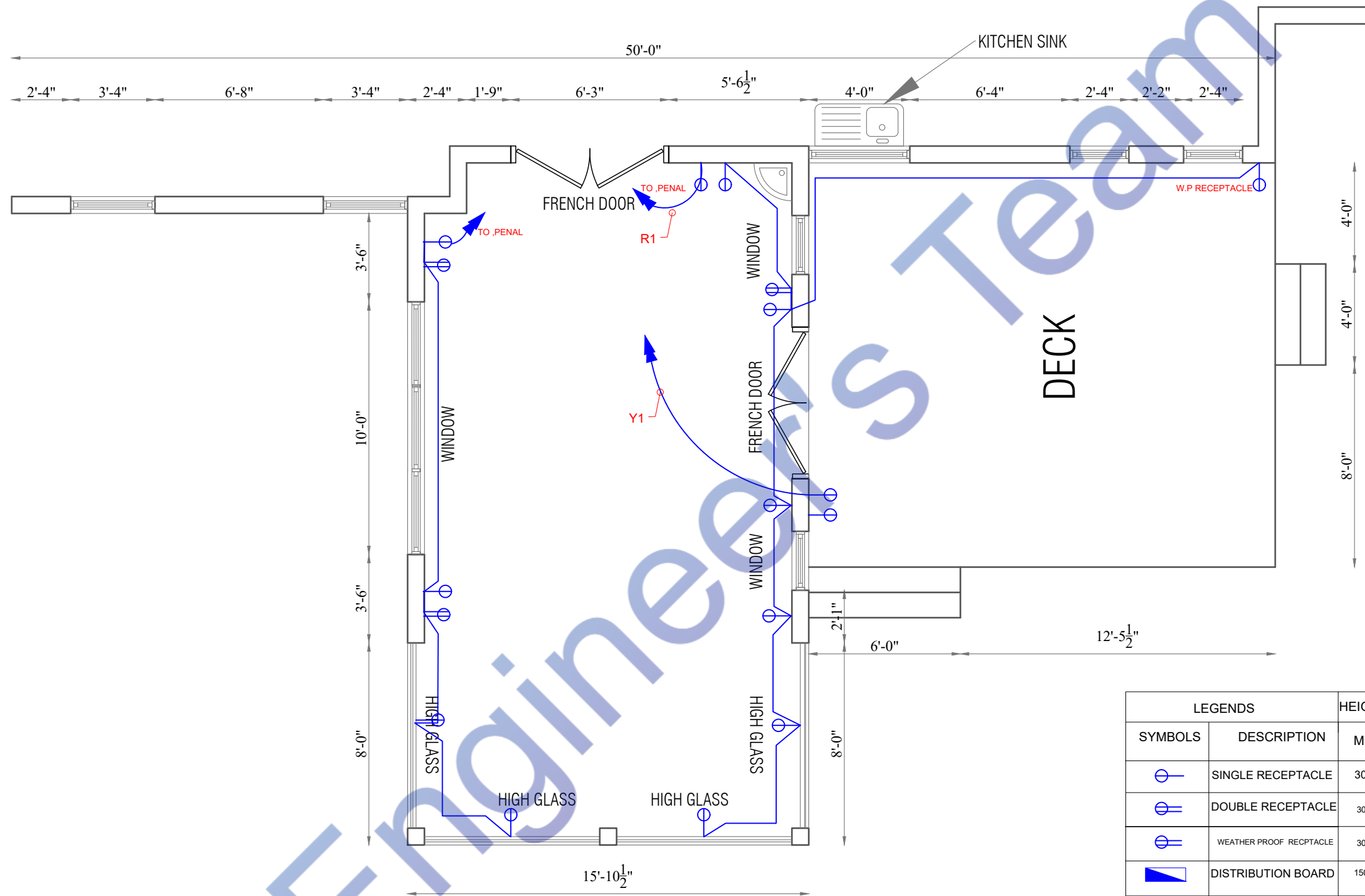
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ISSUED FOR:	COMMENTS:

SHEET TITLE:
LIGHTING PLAN

Date:	01/05/2024
Scale:	1/2" = 1'-0"
Drawn By:	
Page:	05

SHEET:
S1.4

Watermarkly



POWER PLAN

LEGENDS		HEIGHTS
SYMBOLS	DESCRIPTION	MM
	SINGLE RECEPTACLE	300
	DOUBLE RECEPTACLE	300
	WEATHER PROOF RECEPTACLE	300
	DISTRIBUTION BOARD	1500

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SHEET TITLE:
POWER PLAN

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SHEET:
S1.5

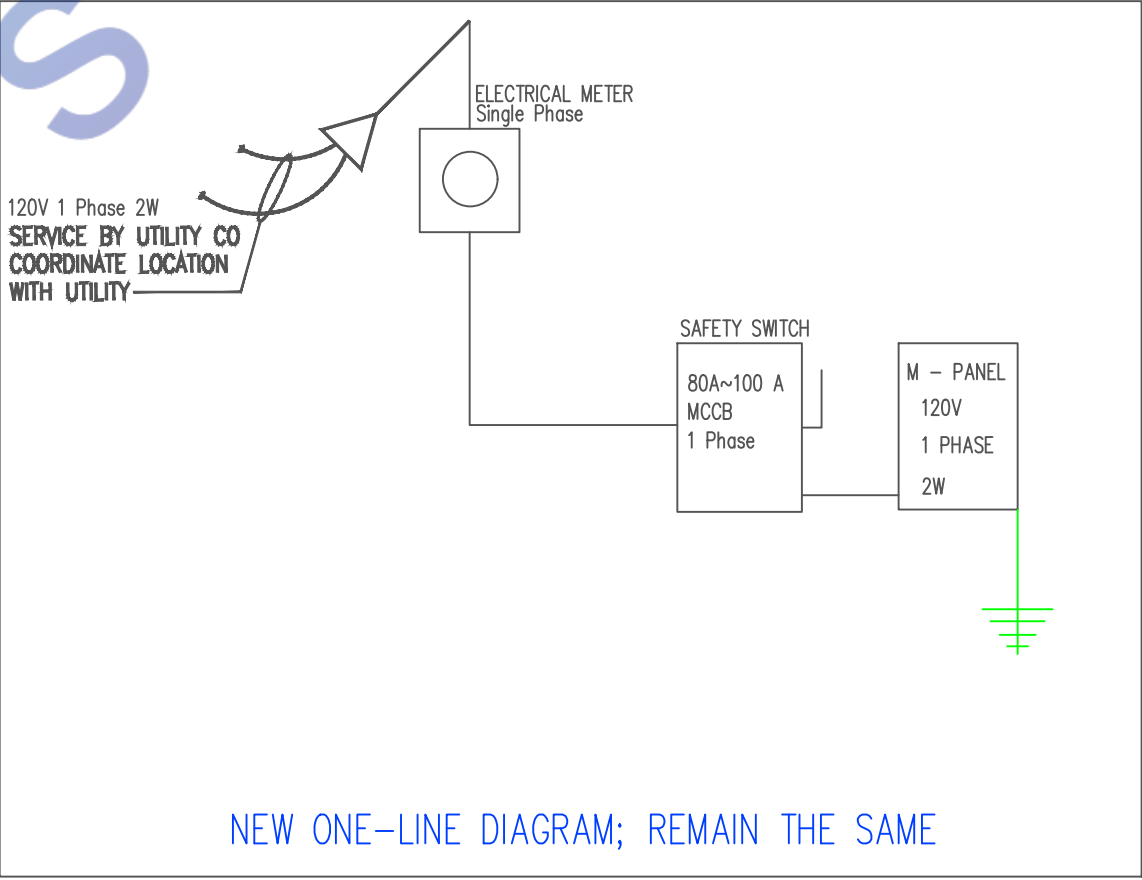
120/240 VOLT SINGLE PHASE 2 WIRE ELECTRICAL SERVICE				
ITEM	CONN. LOAD (VA)	DEMAND F.	DEMAND LOAD (WATTS)	TOTAL (AMPS)
LIGHTING	300	125%	375	
WATER HEATERS	0	100%	0	
KITCHEN EQUIPMENT	0	65%	0	
HVAC LOADS	7034	100%	7034	
SUB-TOTAL			7409	
LARGEST MOTOR	0	125%	0	
TOTAL @ 120/208 V	7334		7409	62

ELECTRICAL PANEL - SUB					
PHASE A	BKR TRIP	WIRE SIZE	TYPE	CKT #	LOAD SERVED
250	20	#12		2	LIGHTING LOAD
7034	60	#3		4	HVAC
200	20	#1/0		6	OTHER
0	20	#1/0		8	SPARE
0	20	#1/0		10	SPARE
TOTAL VA PHASE A					7484
TOTAL VOLT-AMPS					62
TOTAL CONNECTED LOAD (AMPS) 125%					78
MAIN TYPE AND AMPERE RATING					80~100 AMP MCCB
PANEL FEEDER SIZE - SEE RISER DIAGRAM					

1

E200

PANEL SCHEDULE & SERVICE CALCULATION



1

E200

SINGLE LINE DIAGRAM

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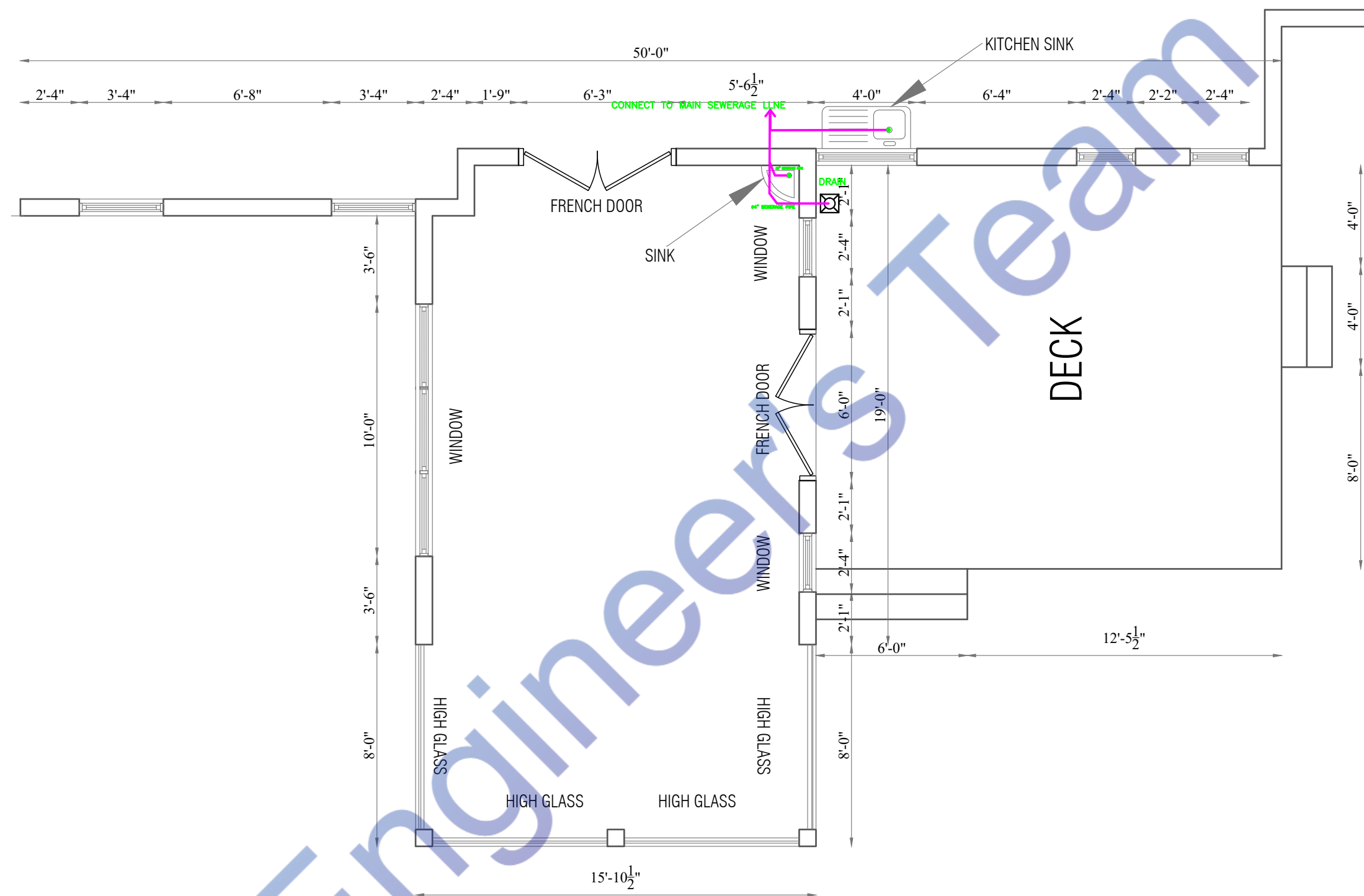
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SHEET TITLE:
ELECTRICAL LOAD SCHEDULE

Date: 01/05/2024
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SHEET:
S1.6





SEWERAGE PLAN

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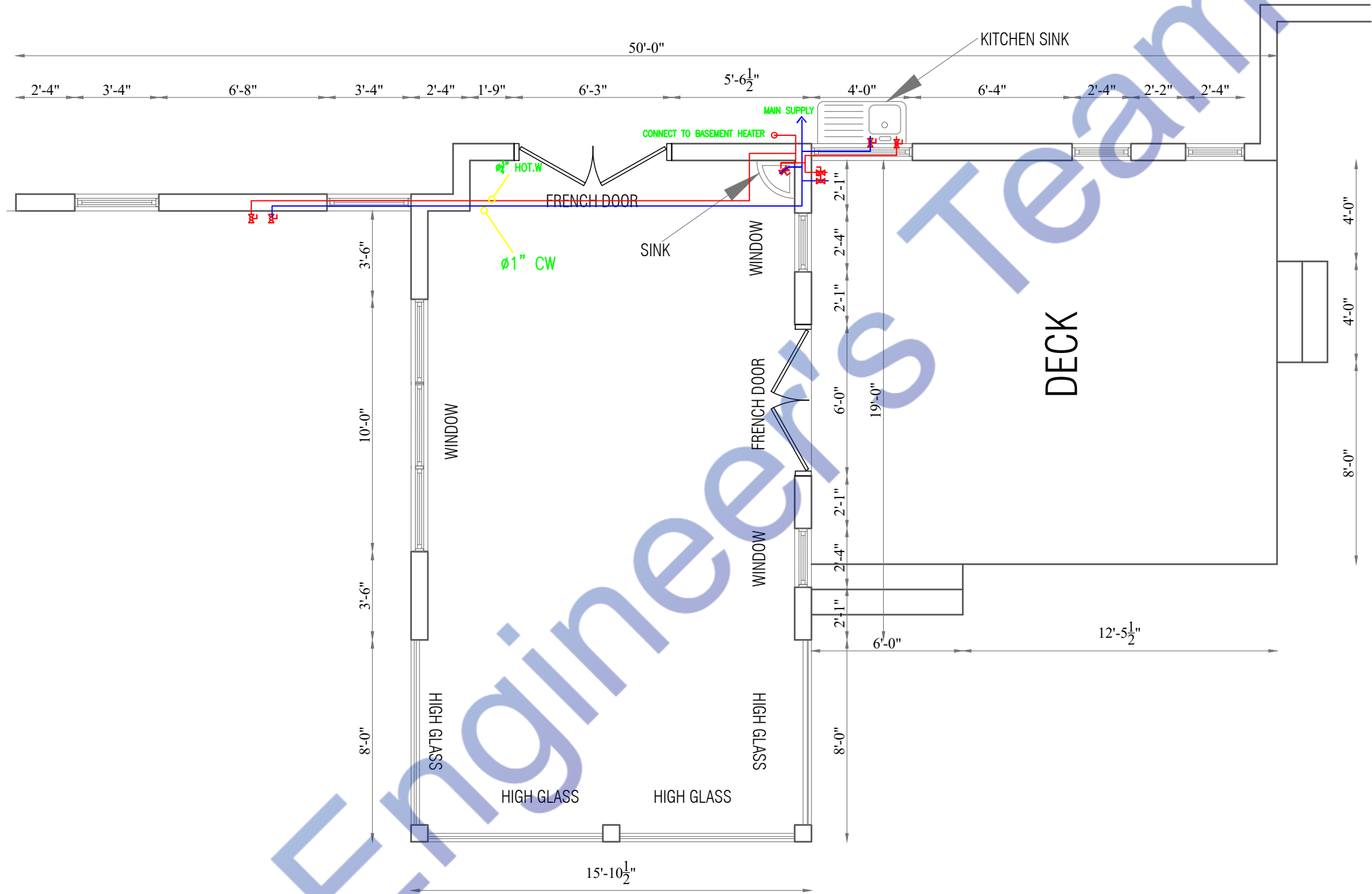
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SHEET TITLE:

SEWERAGE PLAN

Date:	01/05/2024
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SHEET: S1.7



WATER SUPPLY PLAN

PROJECT:
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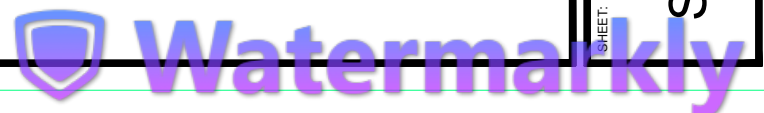
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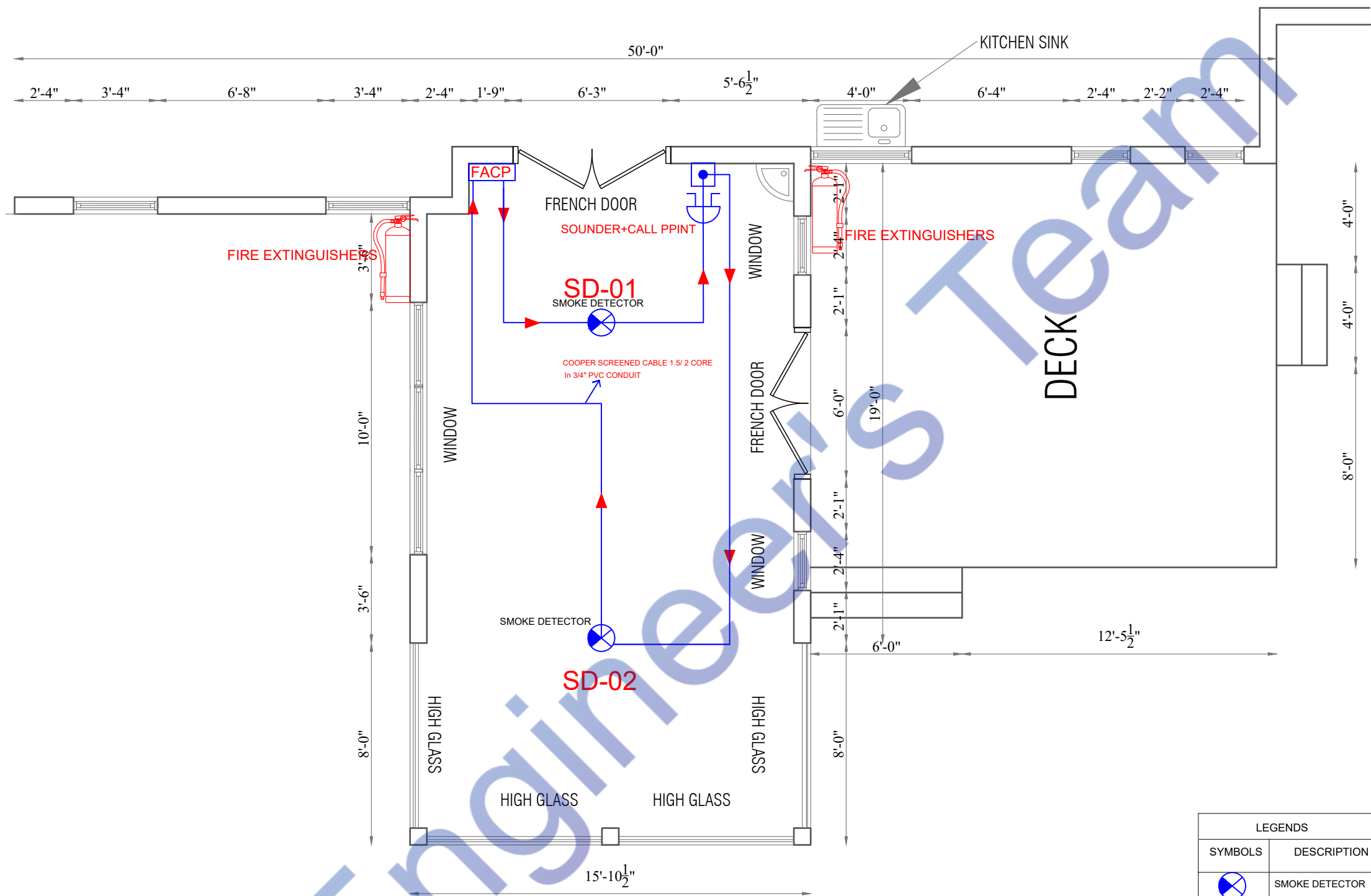
ISSUE RECORD	
DATE	COMMENTS

SHEET TITLE:
WATER SUPPLY PLAN

Date: 01/05/2024
Scale: 1/2" = 1'-0"
Drawn By:
Page: 08

SHEET:
S1.8





FIRE SAFETY PLAN

LEGENDS	
SYMBOLS	DESCRIPTION
	SMOKE DETECTOR
	SOUNDER
	MANUAL CALL POINT
	HEAT DETECTOR
	FIRE ALARM CONTROL PANEL
	FIRE EXTINGUISHERS

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STAMP:

ISSUE RECORD	
DATE	COMMENTS

SHEET TITLE: FIRE ALARM PLAN

Date: 01/05/2024	Scale: 1/2" = 1'-0"	Drawn By:	Page: 10
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SHEET: S2.0

Watermarkly



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

 support@engrteam.com

 <https://engrteam.com>

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