

ELECTRICAL LEGEND	
	20W CEILING MOUNT LED LIGHT
	150W LED HIGH BAY LIGHT
	SMOKE DETECTOR
	40W LED TUBE LIGHT 4 FEET
	40W LED LIGHT 4'x4'
	ONE WAY SWITCH 220V
	MULTI SOCKET OUTLET 220V
	10W WALL MOUNTED LED LIGHT
	60W CEILING FAN 220V
	SUB DISTRIBUTION BOARD
	MAIN DISTRIBUTION BOARD
	40W BATHROOM EXHAUST FAN
	EXIT LIGHT
	EMERGENCY LIGHT
	EXIT + EMERGENCY LIGHT

Note:

This electrical plan has been prepared following all applicable codes and regulations for Colorado Springs, Colorado, ensuring alignment with the latest standards. Specifically, it adheres to the 2023 National Electrical Code (NEC) as mandated by the Pikes Peak Regional Building Department (PPRBD), which governs electrical installations in the region. Key sections include:

1. NEC Article 210 - Receptacle placement, including specific guidelines for kitchen countertops, islands, and work surfaces.
2. NEC Article 225 & 230 - Requirements for emergency disconnects in residential units.
3. NEC Article 240 - Placement of overcurrent protection devices, avoiding installation in restricted areas such as bathrooms.
4. NEC Article 406 - Specifications for tamper-resistant receptacles in specified locations to enhance safety.

Additionally, surge protection and earth movement allowances have been incorporated as per local amendments, ensuring the system's resilience against environmental factors in Colorado Springs.

This compliance guarantees that the design meets both national and local requirements for safety, functionality, and durability in electrical installations.



ENGINEER'S TEAM

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OWNER:

Colorado Springs,
Colorado

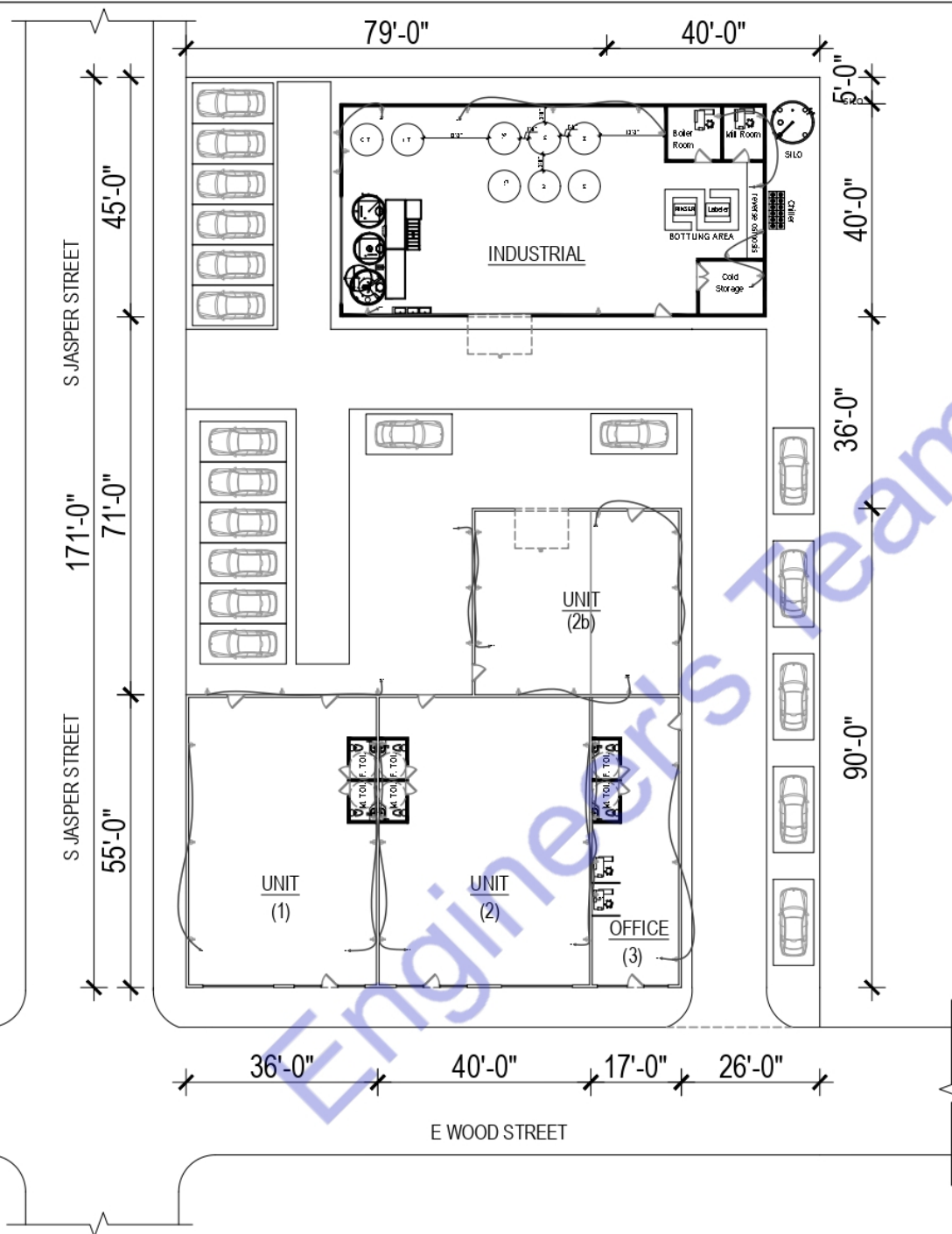
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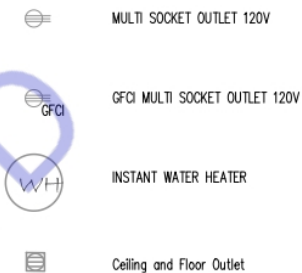
Release for construction

ELECTRICAL LIGHTING PLAN

Drawn by: Engr. Al Amin
Checked:
Date: OCT, 24.
E. 1
Scale:



ELECTRICAL LEGEND



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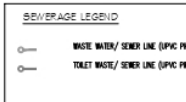
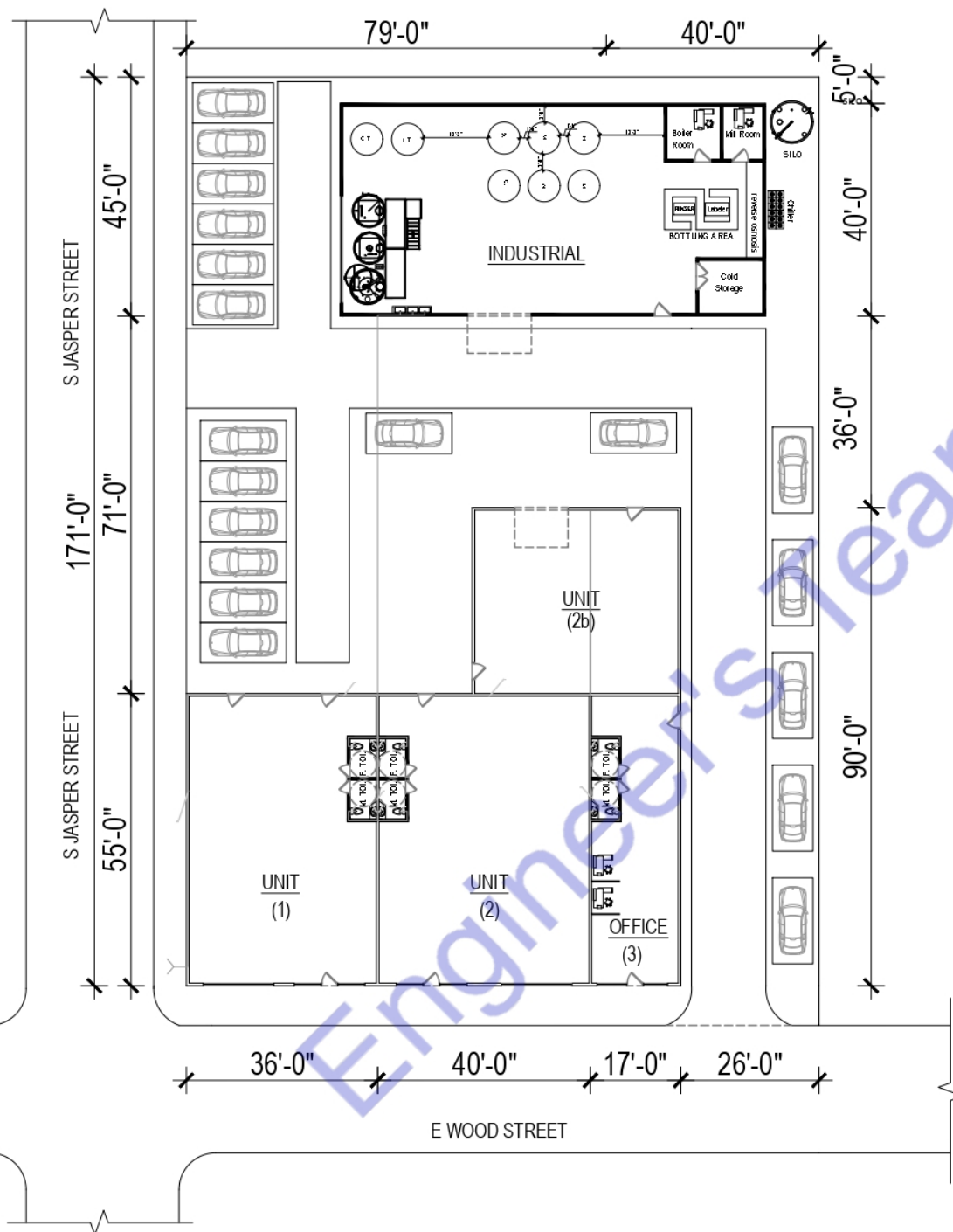
SEAL:

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Release for construction

ELECTRICAL POWER PLAN

Drawn by: Engr. Al Amin
Checked:
Date: OCT, 24.
E. 2
Scale:



Note:
This Plumbing Plan has been developed in full adherence to the latest applicable codes and standards mandated by Colorado Springs and the State of Colorado. The following guidelines were strictly followed:

1. International Plumbing Code (IPC), 2021 Edition – Adhering to the IPC provisions, including backflow prevention, waste receptor guidelines, and water supply system protection, ensures all installations are compliant with the most current plumbing standards.
2. National Standard Plumbing Code (NSPC) – This code complements the IPC and covers essential criteria for plumbing systems' safe and efficient design and operation.
3. Local Amendments to the IPC – All applicable local amendments specific to Colorado Springs were reviewed and integrated, such as modifications related to water heater discharge pan requirements and solvent cementing adjustments.
4. Water Conservation and Nonpotable Water Signage – Compliance with signage regulations and requirements for nonpotable water usage, as prescribed in local adaptations of Section 608 of the IPC, was achieved for any system involving nonpotable water.

Colorado Revised Statutes and Colorado Department of Public Health and Environment (CDPHE) – Regulations regarding environmental health and public safety were followed, including



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PLUMBING SANITARY PLAN

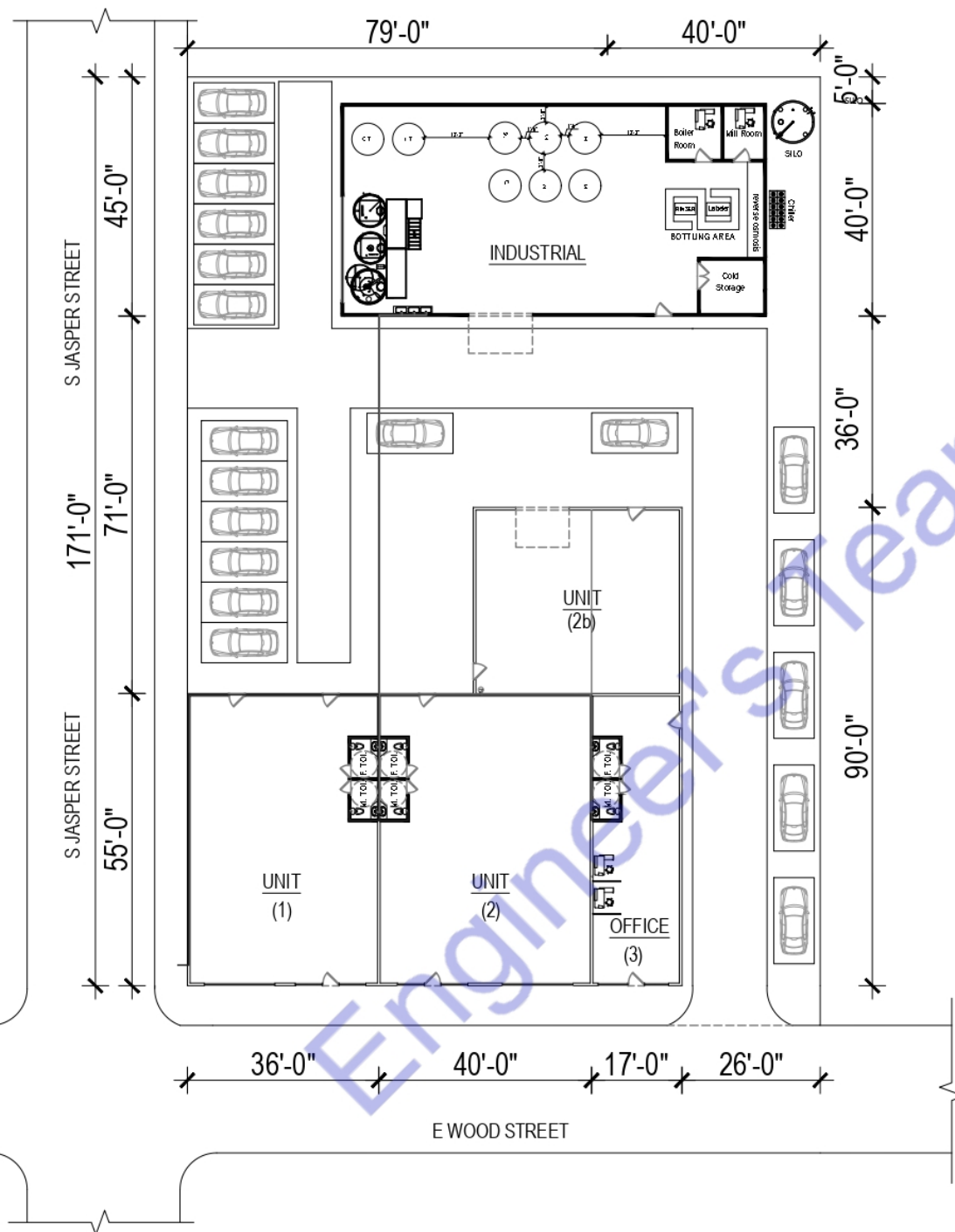
Drawn by: Engr. Al Amin

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Date: OCT, 24.

P. 1

Scale:



PLUMBING LEGEND	
	BALL VALVE (BV)
	GATE VALVE (GV)
	MIXING VALVE (MV)
	FLOOR CLEAN OUT (FCO)
	FLOOR DRAIN (FD)
	HUB DRAIN (HD)
	FLOOR SINK (FS)
	PIPE TURNING UP
	PIPE TURNING DOWN
	EXISTING PIPE
	NEW PIPE
LINES TYPE LEGEND	
	COLD WATER LINE (CW)
	HOT WATER LINE (HW)
	SEWER LINE (S)
	GAS LINE (G)



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PLUMBING WATER SUPPLY PLAN

Drawn by: Engr. Al Amin

Checked:

Date: OCT, 24.

P. 2

Scale:

