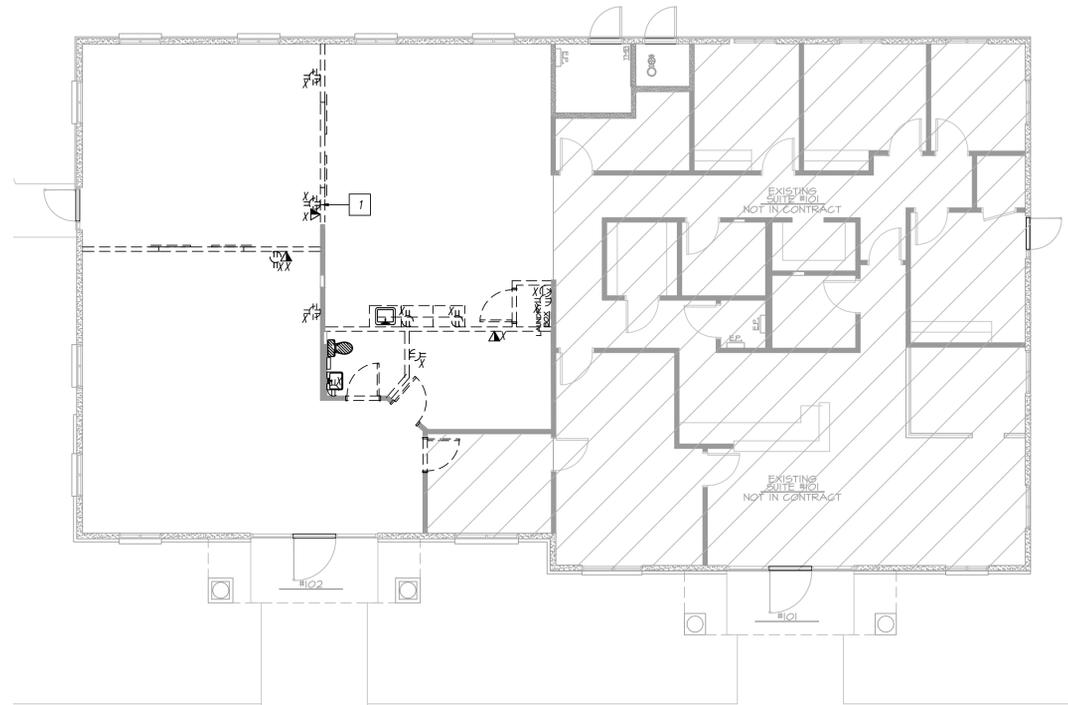


ELECTRICAL POWER PLAN

1/8" = 1'-0"



ELECTRICAL DEMO POWER PLAN

1/8" = 1'-0"

- KEYED NOTES**
1. DEMOLISH DEVICE AND REMOVE CONDUIT BACK TO COMMON POINT FOR REUSE. REMOVE BACK TO PANEL IF NOT REUSED. ENSURE PANEL IS RELABELLED WITH NEW USE, PER NEC 408.4(A) (TYPICAL OF ALL MARKED "X").
 2. PROVIDE NEW RECEPT FOR CIRC PUMP AT LOCATION COORDINATED WITH PLUMBING. CONNECT INTO BRANCH CIRCUIT & EXTEND EXISTING CONDUITS AND CONDUCTORS AS NECESSARY.

LOAD SUMMARY – POWER

POWER LOAD REMOVED	VA	QTY	
RECEPT – DUPLEX GENERAL USE	180 VA	x -6	= -1080 VA
RECEPT – QUADPLEX GENERAL USE	360 VA	x -3	= -1080 VA
RECEPT – SPECIALTY USE	1920 VA	x -1	= -1920 VA
TOTAL POWER LOAD REMOVED			= -4080 VA

POWER LOAD ADDED	VA	QTY	
RECEPT – DUPLEX GENERAL USE	180 VA	x 29	= 5220 VA
RECEPT – QUADPLEX GENERAL USE	360 VA	x 2	= 720 VA
RECEPT – CIRC PUMP	180 VA	x 1	= 180 VA
TANK TYPE WATER HEATER	4500 VA	x 1	= 4500 VA
TOTAL POWER LOAD ADDED			= 10620 VA

POWER LOAD CHANGE		
TOTAL POWER LOAD REMOVED		= -4080 VA
TOTAL POWER LOAD ADDED		= 10620 VA
TOTAL POWER LOAD CHANGE		= 6540 VA
TOTAL POWER LOAD CHANGE ON "SES" @ 208V/3Ø		= 31.4 AMPS

HVAC EQUIPMENT SCHEDULE

TAG	VOLTS	FLA/ KW	MCA/ HP	MOC/P gal	DISCONNECTING MEANS	CONDUIT/CONDUCTOR SIZING
EF-#	120/1Ø	<1A	FRACT.		20A 120V MOTOR RATED TOGGLE SWITCH (WP)	(2) #12's Cu, (1) #12 Cu. E.G., 3/4" CONDUIT.
WH-1	208/1Ø	4.5kW	-	20gal	PROVIDE LOCK-OFF DEVICE AT BREAKER. PROVIDE PERMANENT LABEL, AT WATER HEATER, INDICATING MEANS OF DISCONNECT AT BREAKER.	(2) #10's Cu, (1) #10 Cu. E.G., 3/4" CONDUIT.
AC-#(5T)	208/1Ø	-	25.6	-	60AMP 250VOLT 3Ø/3Ø NEMA 3Ø DISCONNECT SWITCH	(3) #6's Cu, (1) #10 Cu. E.G., 1" CONDUIT.

SCHEDULE NOTES:

1. ALL EQUIPMENT SHALL BE U.L. LISTED FOR THE USE FOR WHICH IT IS BEING INSTALLED.
2. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE CORRECT TYPE, SIZE, QUANTITY OF DUAL ELEMENT, TIME-DELAY FUSES PER MANUFACTURER RECOMMENDATIONS UNLESS NOTED OTHERWISE ON UNIT NAMEPLATE. NOTIFY ENGINEER IN WRITING OF ANY DISCREPANCY.
3. ALL CONDUCTOR TAPS SHALL COMPLY WITH NEC 240.21(B)(2).

- GENERAL NOTE – POWER SEPARATION:**
1. ELECTRICAL CONTRACTOR SHALL ENSURE NO CIRCUITS CROSS NEW DEMISING WALL.
 2. IF CIRCUITS ARE FEEDING OTHER SUITES, CIRCUIT TRACE FROM DEVICES TO ORIGIN AND PROVIDE WRITTEN DOCUMENTATION TO ELECTRICAL ENGINEER/ARCHITECT.
 3. RE-CIRCUIT ELECTRICAL DEVICES, TO INCLUDE EXISTING HVAC, TO ENSURE SUITES ARE SEPARATELY METERED. REWIRE AS NECESSARY AND PROVIDE AS-BUILT MARK-UP TO ELECTRICAL ENGINEER, TO ENSURE NO CIRCUITS OR PANELS ARE OVERLOADED.

- GENERAL DEMOLITION NOTES – POWER:**
1. DEVICES, FIXTURES AND OUTLETS SHOWN AS DASHED OR DENOTED "X" SHALL BE REMOVED.
 2. ANY DEVICE, FIXTURE OR OUTLET NOT SHOWN AND AFFECTED BY DEMOLITION SHALL BE REMOVED. NOTIFY ENGINEER OF ADDITIONAL REMOVAL.
 3. ELECTRICAL CONTRACTOR SHALL ENSURE EXTERIOR POWER IS NOT ALTERED FROM DEMOLITION.
 4. UNUSED CONDUIT AND WIRE SHALL BE REMOVED.



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2nd CHANCE TREATMENT CENTER

ELECTRICAL POWER & DEMOLITION PLAN

PROJECT:

PROJECT NO: 2125.01
 DATE: 10-22-2021
 REVISED:

DRAWN BY: WB

SHEET

E2.0

OF

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