

1 FLOOR PLAN - ELECTRICAL
E1.0 SCALE: 1/4" = 1'-0"

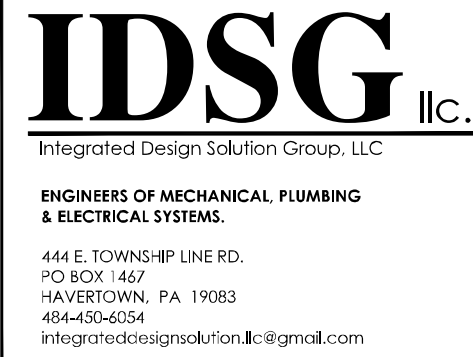
DRAWING NOTES

- ALL CIRCUITS SHOWN SHALL BE WIRED TO EXISTING PANEL, UNLESS OTHERWISE NOTED.
- EXISTING DEVICES SHALL BE RE-CIRCUITED AS SHOWN.
- ALL CIRCUITS SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR SHALL UTILIZE EXISTING CIRCUITS MADE AVAILABLE DURING DEMOLITION.

KEYED NOTES

- EXTEND EXISTING RECEPTACLE CIRCUIT IN AREA TO PROPOSED LOCATION. CONNECT PROPOSED RECEPTACLE TO PANEL SERVING THE AREA
- PROVIDE DEDICATED GFCI OUTLETS FOR UNDER COUNTER PUMP.
- REUSE EXISTING CIRCUITS DUE TO DEMOLITION

PANEL:		EXISTING PP-1		240 /120		VOLTS.		1 PHASE		3 WIRE		MAIN BUS		200 AMPS					
LOCATION:		GARAGE				MOUNTING:		<div><div></div><div></div><div></div></div>		<div><div></div><div></div><div></div></div>		MAIN BRK		_____ AMPS		P			
BUILDING:		423 SOUTHVIEW DRIVE										NEUTRAL		100% AIC		22,000			
FED FROM:		SEE SINGLE LINE DIAGRAM										THRU-FEED LUGS							
FEEDER SIZE:		SEE SINGLE LINE DIAGRAM						* SHUNT TRIP				FEED:		<div><div></div><div></div></div> TOP		<div><div></div><div></div></div> BTM			
CKT NO	TRIP AMPS	DESCRIPTION OF LOAD				LOAD (VA)	PER PHASE (VA)		LOAD (VA)		DESCRIPTION OF LOAD				TRIP AMPS	CKT NO			
						A	B												
1	100/2	SUB PANEL				5500	6700		1200		AIR COMPRESSOR				30/2	2			
3						5500			1200							4			
5	50/2					1500	2300		800		DUSK TO DAWN/SHOP LIGHT				20/1	6			
7						0			1200		DOOR OPENER				20/1	8			
9	20/1	PRESSURE WASHER				1000	1800		800		GENERATOR BATTERY TENDER				20/1	10			
11	20/1	DOOR OPENERS				800			1300		SHOP LIGHT				15/2	12			
13	20/1	NEW STORAGE 111				1200	1700		500							14			
15	20/1	GENERATOR BLOCK HEATER				1000			2200		FURNACE				20/1	16			
17	20/1	WEST SHOP LOADER RECEP				800	2000		1200						20/1	18			
19	15/2	WELL PUMP				500			500		0				15/1	20			
21						500	1700				1200				A/C	20/1	22		
23	20/1	NEW STORAGE 111				1000			2200		1200				NEW MEETING ROOM LIGHT	20/1	24		
25	20/1	REFRIGERATOR				1300	3100				1800				NEW MEETING ROOM RECEP	20/1	26		
27	20/1	NEW KITCHEN COUNTER				1500			1500		0					28			
29	20/2					0	0		0		SPARE				20/1	30			
31						0			0		0				SPARE	20/1	32		
33	15/2	SPARE				0	2800				2800				NEW CU (3#8+1#10G-3/4"C)	40/2	34		
35	20/1	SPARE				0			2800		2800						36		
37	20/2					0	4550				4550				NEW AHU (3#8+1#10G-3/4"C)	40/2	38		
39						0			4550		4550						40		
MULT FACTOR																			
TOTAL LTG.		3000		1.00		3000		TOTAL BY PHASE		26650		22950		UNIT SQ FOOTAGE		2400 X 3 W/sf		7.20 kW	
TOTAL MISC.		19500		1.00		19500								MSC. LOAD				19.50 kW	
TOTAL REC.		8800		Per NEC		8800								DIVERSIFIED LOAD		PER NEC 220.82		16.68 kW	
TOTAL HVAC		10400		1.00		10400								HVAC LOAD				15.54 kW	
TOTAL HTG		7900		0.65		5135								TOTAL LOAD				32.22 kW	
																134.2 Amp			



ISSUED: 03/22/2023

E1.0

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ELIZABETH TOWNSHIP

Addition / Renovations
to an Existing Building

423 Southview Drive
Lititz, PA 17543

FLOOR PLAN
POWER

REVISIONS:

DATE DESCRIPTION