

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>SURFACE</div>		<div><div></div>FLUSH</div>		MAIN BRK		_____ AMPS _____ P					
BUILDING:		423 SOUTHVIEW DRIVE			BUS		<div><div></div>COPPER</div>		<div><div></div>ALUMINUM</div>		NEUTRAL		100% AIC 22,000					
FED FROM:		SEE SINGLE LINE DIAGRAM			GROUND BUS		<div><div></div></div>		<div><div></div>THRU-FEED LUGS</div>		FEED:		<div><div></div>MAIN LUGS ONLY</div>					
FEEDER SIZE:		SEE SINGLE LINE DIAGRAM							* SHUNT TRIP		<div><div></div>TOP</div>		<div><div></div>BTM</div>					
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			6700					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				15/1	20					
21					500	1700		1200	A/C			20/1	22					
23	20/1	NEW STORAGE 111			1000			2200	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					28					
29	20/2				0	2200		2200	BASEBOARD HEAT/ 3 FRONT ROOM			20/2	30					
31					0			2200					32					
33	15/2	BASEBOARD HEAT			1800	4600		2800	NEW CU (3#8+1#10G-3/4"C)			40/2	34					
35		MEETING ROOM			1800			4600					36					
37	20/2				0	4550		4550	NEW AHU (3#8+1#10G-3/4"C)			40/2	38					
39					0			4550					40					
MULT FACTOR																		
TOTAL LTG.		3000		1.00	3000		TOTAL BY PHASE		30650		26950		UNIT SQ FOOTAGE		2400	X	3 W/sf	7.20 kW
TOTAL MISC.		19500		1.00	19500								MISC. LOAD					19.50 kW
TOTAL REC.		8800		Per NEC	8800								DIVERSIFIED LOAD		PER NEC 220.82		16.68 kW	
TOTAL HVAC		14800		1.00	14800								HVAC LOAD					22.28 kW
TOTAL HTG		11500		0.65	7475								TOTAL LOAD					38.96 kW
																		162.3 Amps

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DIVERSIFIED LOAD	PER NEC 220.82			16.68 kW
HVAC LOAD				22.28 kW
TOTAL LOAD				38.96 kW
				162.3 Amps

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DUE TO DISTORTION FROM REPRODUCTION PROCEDURES, DIMENSIONS SHALL NOT BE SCALED FROM THE DRAWING. ONLY DIMENSIONS AS SHOWN SHALL BE VALID

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE BEFORE PROCEEDING WITH THE WORK

SCHILLACI
ARCHITECTS LTD.

MARK SCHILLACI
717.951.7466
SCHILLACIARCHITECTS@GMAIL.COM

KYLE SCHILLACI
717.875.8035
KSCHILLACI13@GMAIL.COM

141 N. Reamstown Rd.
Stevens, PA 17578

WWW.SCHILLACIARCHITECTS.COM

ELIZABETH TOWNSHIP

Addition / Renovations
to an Existing Building

423 Southview Drive
Lititz, PA 17543

FLOOR PLAN
POWER

REVISIONS:

DATE DESCRIPTION

ISSUED: 03/22/2023

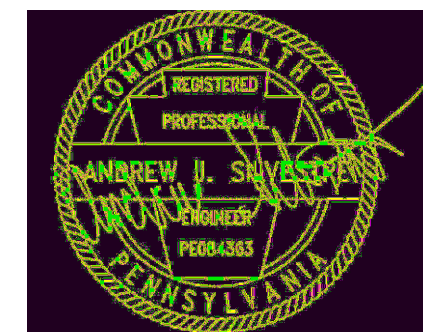
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IDSG llc.

Integrated Design Solution Group, LLC

ENGINEERS OF MECHANICAL, PLUMBING
& ELECTRICAL SYSTEMS.

444 E. TOWNSHIP LINE RD.
PO BOX 1467
HAVERSTOWN, PA 19083
484-430-0254
integrateddesignsolutionsllc@gmail.com



ANDREW J. SILVESTRE, PE
PA PROFESSIONAL ENGINEER NO. PE084363