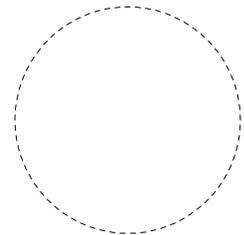


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CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE BEFORE PROCEEDING WITH THE WORK.



SCHILLACI ARCHITECTS LTD.

MARK SCHILLACI
717.951.7466
SCHELLACIARCHITECTS.COM

KYLE SCHILLACI
717.875.8035
KSCHELLACI1306@GMAIL.COM

141 N. Reamstown Rd.
Stevens, PA 17578

WWW.SCHILLACIARCHITECTS.COM

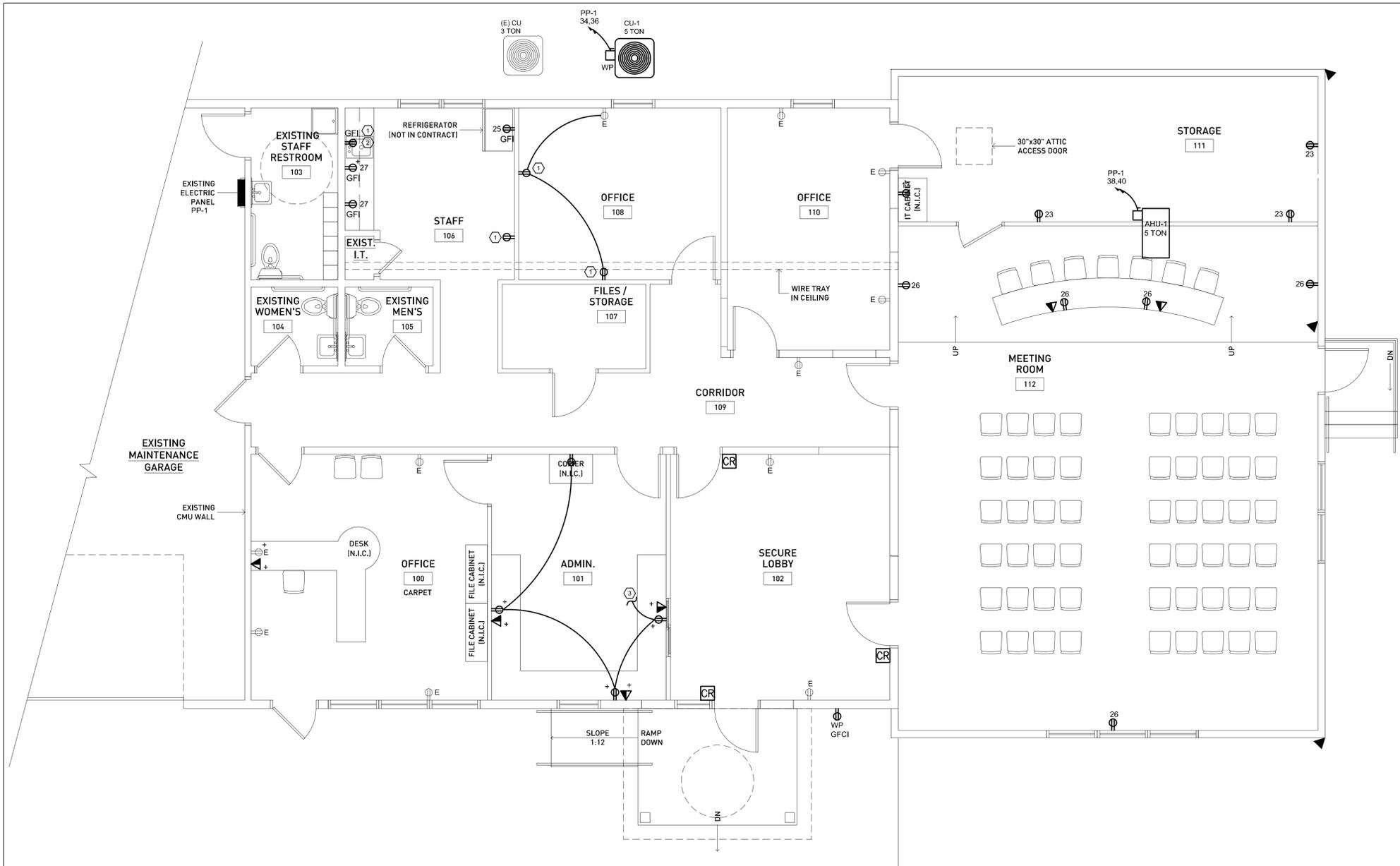
ELIZABETH TOWNSHIP
Addition / Renovations
to an Existing Building
423 Southview Drive
Lititz, PA 17543

FLOOR PLAN POWER

REVISIONS:
DATE DESCRIPTION

ISSUED: 03/22/2023

E1.0



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	
①	EXTEND EXISTING RECEPTACLE CIRCUIT IN AREA TO PROPOSED LOCATION. CONNECT PROPOSED RECEPTACLE TO PANEL SERVING THE AREA
②	PROVIDE DEDICATED GFCI OUTLETS FOR UNDER COUNTER PUMP.
③	REUSE EXISTING CIRCUITS DUE TO DEMOLITION

PANEL: EXISTING PP-1		240 / 120 VOLTS.		1 PHASE		3 WIRE		MAIN BUS 200 AMPS	
LOCATION:	GARAGE	MOUNTING:	SURFACE	FLUSH	MAIN BRK	AMPS	P	NEUTRAL	100% AIC 22,000
BUILDING:	423 SOUTHVIEW DRIVE	BUS:	COPPER	ALUMINUM	FEED:	TOP	BTM	MAIN LUGS ONLY	
FED FROM:	SEE SINGLE LINE DIAGRAM	GROUND BUS:		THRU-FEED LUGS					
FEEDEE SIZE:	SEE SINGLE LINE DIAGRAM	* SHUNT TRIP							
CKT NO	TRIP AMPS	DESCRIPTION OF LOAD	LOAD (VA)	PER PHASE (VA)		LOAD (VA)	DESCRIPTION OF LOAD	TRIP AMPS	CKT NO
1	100/2	SUB PANEL	5500	6700	1200		AIR COMPRESSOR	30/2	2
3			5500	6700	1200				4
5	50/2		1500	2300	800		DUSK TO DAWN SHOP LIGHT	20/1	6
7			0	1200	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	500		SHOP LIGHT	15/2	12
13	20/1	NEW STORAGE 111	1200	1700	500				14
15	20/1	GENERATOR BLOCK HEATER	1000	2200	1200		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				MISC. 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 Amps

IDSG llc.
Integrated Design Solution Group, LLC
ENGINEERS OF MECHANICAL PLUMBING & ELECTRICAL SYSTEMS.
444 E. TOWNSHIP LINE RD.
PO BOX 147
HAVERSTOWN, PA 19083
484-430-0254
info@idsgsolutions.com

PROFESSIONAL ENGINEER
ANDREW J. SILVESTRE, PE
PA PROFESSIONAL ENGINEER NO. PE084343