PANEL SCHEDULE

PANEL: PP1
LOCATION: OFFICE BUILDING
FEEDER SOURCE: UTILITY COMPANY

VOLTAGE: 240/120V, 300A, 1 Φ, 3 W, WITH MAIN LUGS ONLY
ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER
AIC = 22,000

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT NO
1	#12	RECEPT, BREAK ROOM	20	1	720	1400	1	20	LIGHTS, REAR, REAR EXTERIOR	#12	2
3	#12	RECEPT, REFRIGERATOR BREAK ROOM	20	1	1200	1000	1	20	LIGHTS, CENTER	#12	4
5	#12	TV'S OFFICE 1 AND 2	20	1	360	500	1	20	LIGHTS, LEFT CENTER	#12	6
7	#12	RECEPT OFFICE 1	20	1	1260	700	1	20	LIGHTS, RIGHT CENTER	#12	8
9	#12	RECEPT OFFICE 2	20	1	1080	700	1	20	LIGHTS, FRONT	#12	10
11	#12	TV OFFICE 3	20	1	360	600	1	20	LIGHTS, FRONT EXTERIOR	#12	12
13	#12	RECEPT OFFICE 3	20	1	900	1000	1	20	LIGHTS, SIGN	#12	14
15	#12	RECEPT OFFICE 4 REAR, AND EXTERIOR	20	1	1080		1	20	SPARE		16
17	#12	TV'S OFFICE 4 AND 5	20	1	360		1	20	SPARE		18
19	#12	RECEPT OFFICE 4 RIGHT SIDE	20	1	1080						20
21	#12	RECEPT OFFICE 5 AND BATHROOM	20	1	1080						22
23	#12	RECEPT, REFRIGERATOR CONFERENCE ROOM	20	1	1200	2500	2	30	WATER HEATER	#10	24
25	#12	RECEPT, MEDIA CLOSET 1	20	1	180	2500					26
27	#12	RECEPT, MEDIA CLOSET 2	20	1	180	3600	2	40	AHU 1	#10	28
29	#12	RECEPT, MEDIA CLOSET 3	20	1	180	3600					30
31	#12	TV CONFERENCE ROOM	20	1	180	3500	2	40	HEAT PUMP, CU-1	#8	32
33	#12	RECEPT CONFERENCE ROOM	20	1	1080	3500					34
35	#12	TV WAITING ROOM	20	1	180	3600	2	40	AHU 2	#10	36
37	#12	RECEPT WAITING ROOM EXTERIOR FRONT	20	1	1080	3600					38
39	#12	RECEPT, FILE ROOM, LEFT SIDE	20	1	720	3500	2	40	HEAT PUMP, CU-2	#8	40
41	#12	RECEPT, FILE ROOM, RIGHT SIDE	20	1	720	3500					42
43	#12	RECEPT, BEHIND RECEPTION AND BATHROOM	20	1	540						44
45	#12	RECEPT, BEHIND RECEPTION	20	1	360						46
47	#12	RECEPT, RECEPTION REAR	20	1	540						48
49	#12	RECEPT, RECEPTION FRONT AND HALL	20	1	900						50
51	#12	AUTOMATED GATE	20	1	1000						52
53		SPARE	20	1							54
55	#12	RECEPT, MICROWAVE BREAK AREA	20	1	1500						56
57		SPARE	20	1							58
59		SPARE	20	1							60
61	#12	SURGE SUPRESSOR	30	2	0						62
63					0						64

SOLID NEUTRAL / NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA) = 59,320

AΦ = 29,300 | BΦ = 30,020

GROUND BUS / GROUND WIRE (G)

PANEL SCHEDULE

PANEL: PP2
LOCATION: APARTMENT/STORAGE BLDG
FEEDER SOURCE: UTILITY COMPANY

VOLTAGE: 240/120V, 200A, 1Φ, 3W WITH MAIN LUGS ONLY
ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER
AIC = 22,000

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT NO
1	#12	RECEPT, STORAGE AREA FRONT	20	1	1080	600	1	20	LIGHTS, EXTERIOR	#12	2
3	#12	RECEPT, STORAGE AREA, REAR	20	1	1800	600	1	20	LIGHTS, STORAGE AREA	#12	4
5	#12	RECEPT, TV, LIVING AREA	20	1	720	600	1	20	LIGHTS, BATHROOM AND PORCH	#12	6
7	#12	RECEPT, BATHROOM AND EXTERIOR	20	1	900	600	1	20	LIGHTS, APARTMENT	#12	8
9	#12	RECEPT, REFRIGERATOR	20	1	1500						10
11	#12	RECEPT, KITCHEN COUNTER	20	1	1260						12
13	#12	RECEPT, BEDROOM	20	1	1260						14
15	#12	CONTROL POWER TO WATER HEATER	20	1	100						16
17											18
19											20
21											22
23											24
25											26
27											28
29											30
31											32
33											34
35						2500	2	30	220V, 30A RECEPT, STORAGE AREA	#10	36
37						2500					38
39	#12	SURGE SUPRESSOR	30	2	0	2500	2	30	MINI SPLIT	#10	40
41					0	2500					42

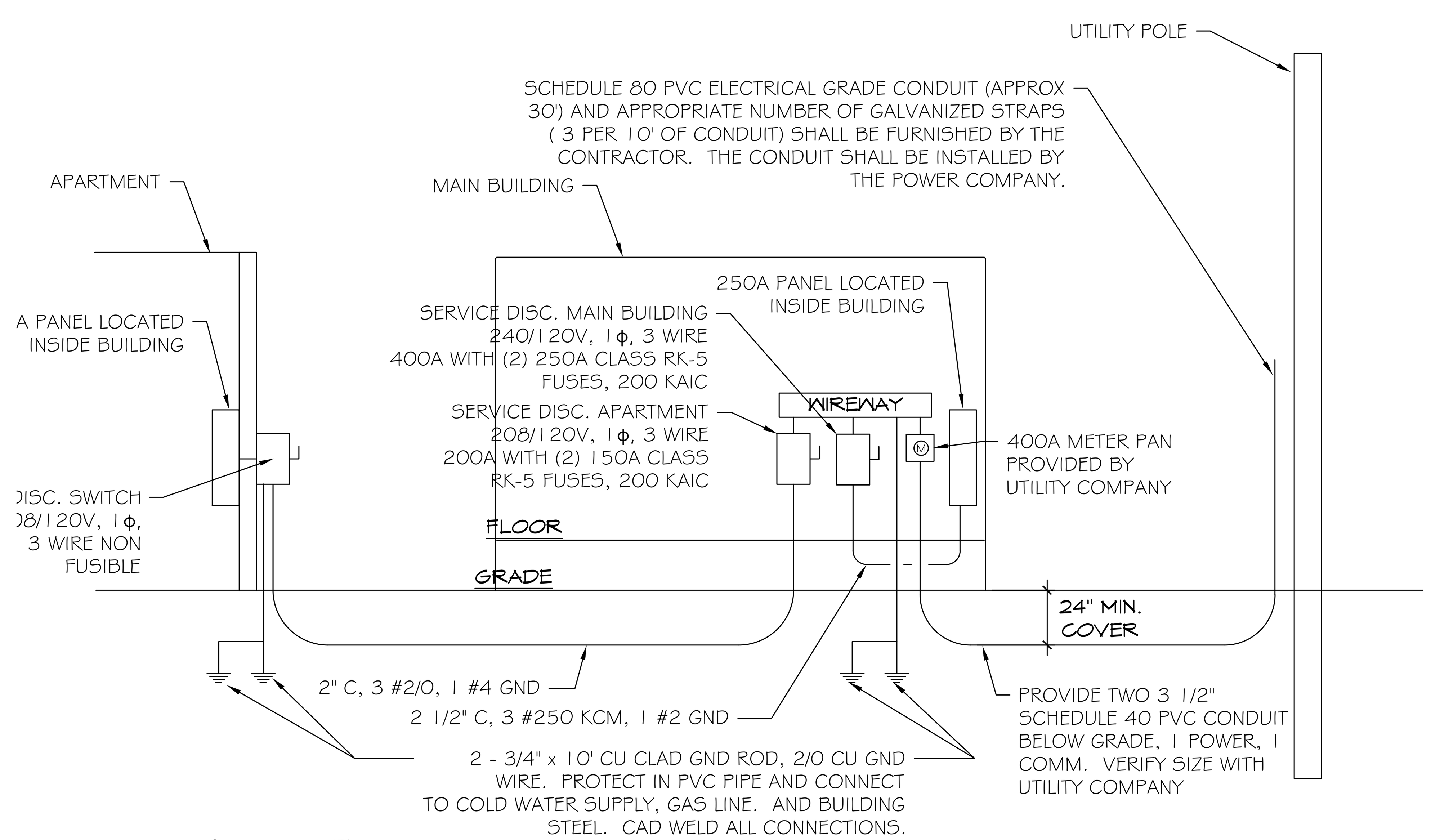
SOLID NEUTRAL / NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA) = 20,020

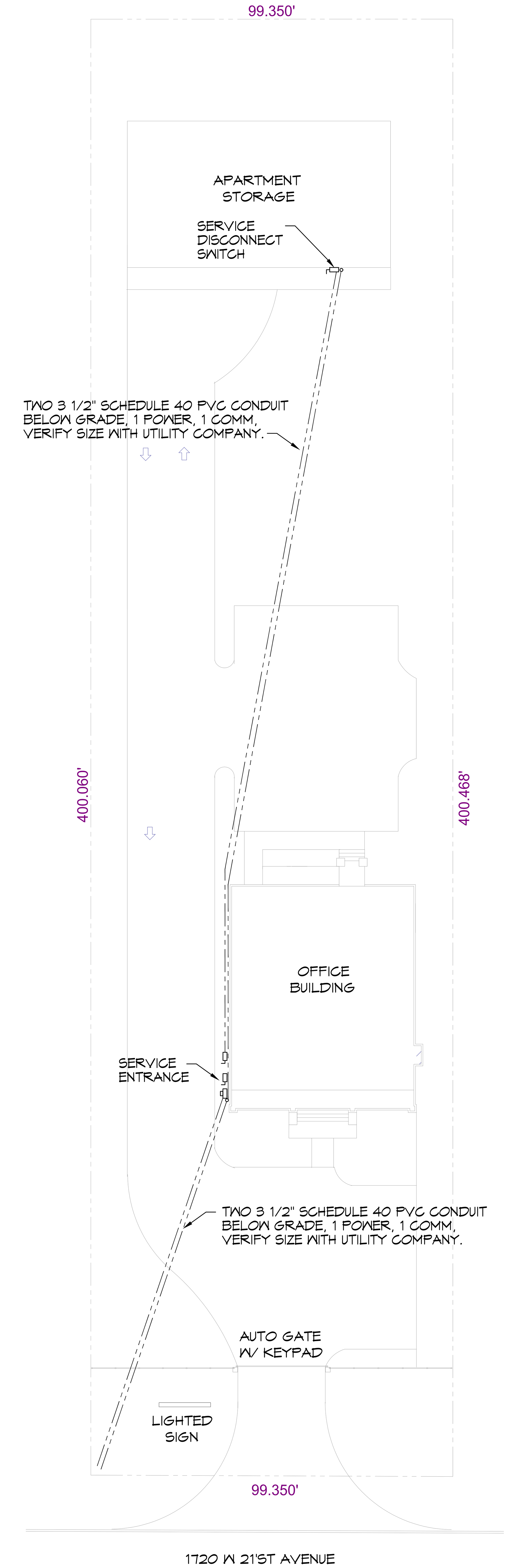
AΦ = 10,760 | BΦ = 10,260

GROUND BUS / GROUND WIRE (G)

5 ELECTRICAL PANELS
SCALE: NONE



6 RISER DIAGRAM
SCALE: NONE



7 SITE POWER PLAN
SCALE: NONE

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REVISIONS

#	DESCRIPTION	DATE

SEAL: BRIAN A. MISTICH License No. 30187 STATE OF LOUISIANA PROFESSIONAL ENGINEER

NEW OFFICE AND APARTMENT
RAWLIN CARTER
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COVINGTON, LA. 70433

JOB No: 2026 | DATE: 03-26-2026
DRAWN BY: CKD | CHECKED BY: BAM

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SHEET TITLE:
ELECTRICAL PANELS,RISER DIAGRAM, SITE POWER PLAN

DRAWING NUMBER:
E105

SHEET No: 9 of 9