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PEACOCK ARCHITECTS
5 INTERSTATE NORTH PKWY
ANTA GEORGIA 30328
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PANELBOARD SCHEDULE - 'LT'

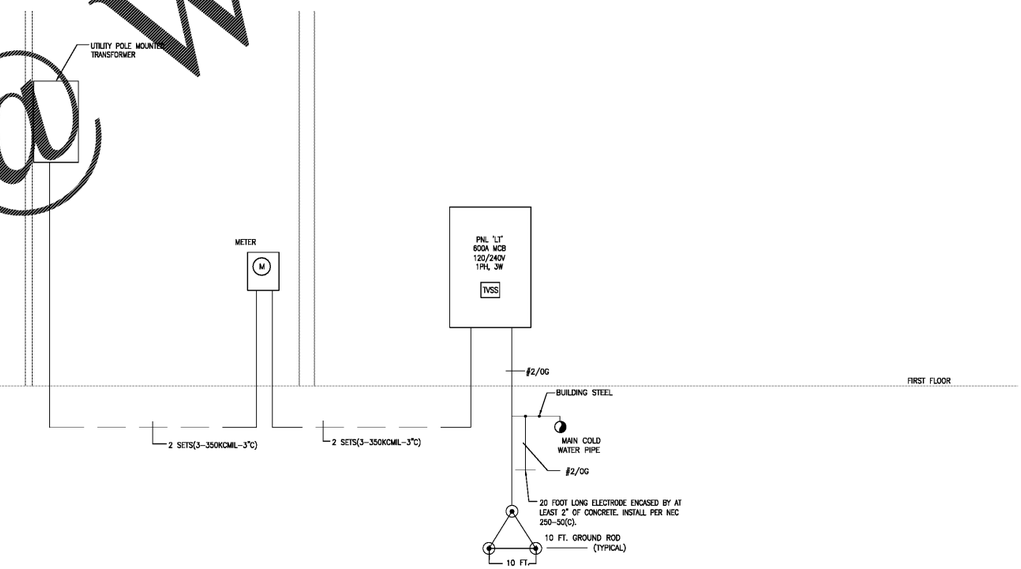
MAIN: 600A MCB | VOLTAGE: 240/120 | PHASE: 1 | WIRE: 3 | MOUNTING SURFACE: AIC: 22,000

CKT #	TRIP POLE	DESCRIPTION	LOAD (KVA)								MISC	LOAD (KVA)							TRIP POLE	CKT #	DESCRIPTION
1	20/1	ATRIUM/MD REC						1.8				1.4							20/1	2	TRASH, ENTRY, WEIGHT LTG
3	20/1	FAC TRAINING REC						1.3				1.0							20/1	4	RESTROOM, WORK AREA LTG
5	20/1	SEC TRAINING REC						1.3					1.5						20/1	6	MEN'S HAND DRYER
7	20/1*	TRAINING HC BEVERAGE						0.5					1.5						20/1	8	WOMEN'S HAND DRYER
9	20/1	TRAINING PROJECTOR SCREEN						0.5						1.0					20/1	10	WEIGHT RM FANS
11	20/1	TRAINING PROJECTOR						0.5											20/1	12	SPARE
13	20/1*	EMC						0.6											20/1	14	SPARE
15	20/1	ENTRY / CORRIDOR REC						0.7											20/1	16	SPARE
17	20/1	SW / CORRIDOR REC						0.9											20/1	18	SPARE
19	20/1	EM OFFICE REC						0.9											20/1	20	SPARE
21	20/1	DIRECTORS OFFICE REC						1.1											20/1	22	SPARE
23	20/1	SE OFFICE REC						1.6				0.7							20/1	24	CARD READERS
25	20/1	RE OFFICE REC						1.0											20/1	26	SPARE
27	20/1	WORK AREA COPIER						0.5											20/1	28	SPARE
29	20/1*	BREAK AREA COUNTER						0.8						0.1					20/1	30	EF-1
31	20/1*	BREAK AREA MICROWAVE						0.5						0.2					20/1	32	MW/WP-1
33	20/1	BREAK AREA REC						0.4							2.5				45/2	34	RTU-2
35	20/1*	BREAK AREA FRIDGE						0.8							2.5				---	36	---
37	20/1	2E WEIGHT RM REC						1.3							2.1				50/2	38	CU-1
39	20/1	1W WEIGHT RM REC						0.5							2.1				---	40	---
41	20/1	FITNESS EQUIPMENT						1.0							2.5				45/2	42	RTU-3
43	20/1	FITNESS EQUIPMENT						1.0							2.5				---	44	---
45	20/1	FITNESS EQUIPMENT						1.0								8.0			FC-3	50/2	46
47	20/1	FITNESS EQUIPMENT						1.0								5.0			---	---	48
49	20/1*	WEIGHT RM WATER COOLER						0.5								9.0			FC-2	30/2	50
51	20/1	RAMADA STOP REC						0.9								8.0			---	---	52
53	20/1	SPARE														8.0			FC-1	50/2	54
55	20/1	EXTERIOR CONVERGENCE REC						0.2								5.0			---	---	56
57	20/1	SPARE																10.0	MAU-1	200/2	58
59	20/1	TTBS QUAD						0.4										18.5	---	---	60
LIGHTING (KVA):		2.4	0.0	23.1	0.0	3.5	3.0	0.0	0.0	0.0		2.4	8.7	1.4	16.1	48.0	0.0	36.5	CONNECTED LOAD (KVA):		130.8
RECEPTACLES (KVA):		26.8																	DEMAND LOAD (KVA):		122.4
MOTORS (KVA):		1.4							PHASE A		66.2		561.7								
A/C (KVA):		16.2							PHASE B		64.6		538.3						CONNECTED LOAD (AMPS):		543.0
HEATING (KVA):		48.0								KVA	AMPS								DEMAND LOAD (AMPS):		510.0
KITCHEN (KVA):		0.0																			
MISCELLANEOUS (KVA):		36.0																	AMPACITY REQUIRED:		512.5

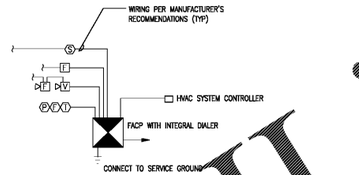
NOTES: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY.
*DENOTES GFI TYPE CIRCUIT BREAKER

DEMAND LOAD CALCS

LIGHTING	2.40	KVA X	100	% =	2.4 KVA
RECEPTACLE TOTAL	26.80	KVA			
1ST	10.00	KVA X	100	% =	10.0 KVA
REMAIN	16.80	KVA X	50	% =	8.4 KVA
MOTORS	1.40	KVA X	100	% =	1.4 KVA
A/C	16.20	KVA X	100	% =	16.2 KVA
MISCELLANEOUS	36.00	KVA X	100	% =	36.0 KVA
TOTAL				=	122.4 KVA



1 E0.01 **ELECTRICAL RISER DIAGRAM**
SCALE: NTS



1. INSTALL FIRE ALARM SYSTEM IN ACCORDANCE WITH ADA AND ALL LOCAL CODES.
2. PROVIDING WIRING PER MANUFACTURER'S RECOMMENDATIONS.
3. CONNECT SYSTEM TO HVAC SYSTEM CONTROLLERS FOR SHUTDOWN OF THE HVAC SYSTEM UPON ALARM.
4. CONNECT ALL TAMPER, FLOW AND PRESSURE SWITCHES PROVIDED BY SPRINKLER CONTRACTOR. COORDINATE NUMBER OF CONNECTIONS WITH SPRINKLER SYSTEM PROVIDER.
5. CONNECT ALL CARD READERS IN PATH OF EGRESS FOR RELEASE UPON ALARM ACTIVATION.

2 E0.01 **FIRE ALARM RISER DETAIL**
SCALE: NTS

RELOCATED TRAINING CENTER
FOR
THE FLOYD COUNTY JAIL
2526 NEW CALHOUN HIGHWAY N.E.
ROME, GEORGIA 30161

GEORGIA REGISTERED No. 027954 PROFESSIONAL ENGINEER CHARLES C. ESSIG, III

DATE	REVISION

PROJECT NO: 420.03.01
DATE: JULY 17, 2018
DRAWING TITLE: RISER DIAGRAM & PANEL SCHEDULE

E0.01

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