

Panel	ROOM	VOLTS	240V 20V 2P 3W	ARC EXISTING			
A	MOUNTING SURFACE	BUS AMPS	200	MAIN ENR. MLO			
	FEED FROM UTILITY	NEUTRAL	100%	LUGS STANDARD			
CRK #	CRK #	LOAD KVA	CIRCUIT DESCRIPTION	CRK #	CRK #	LOAD KVA	CIRCUIT DESCRIPTION
1	20/1	1.1	RECEPTACLE	2	20/2	1.9	WASHER
3	20/1	0.3	RECEPTACLE	4	4	1	REFRIG
5	20/1	0.9	RECEPTACLE	6	50/2	9.6	DRYING CABINET
7	20/1	0.9	RECEPTACLE	8	8	1	REFRIG
9	20/1	1.1	RECEPTACLE	10	20/1	1.5	LIGHTING
11	20/1	1.3	RECEPTACLE	12	20/1	0.5	RECEPTACLE
13	20/1	1.3	RECEPTACLE	14	20/1	1.1	EF-A
15	20/1	1.3	RECEPTACLE	16	20/1	1.6	EF-1, EF-A
17	20/1	0.4	RECEPTACLE	18	20/1	1.2	PURN-2
19	20/1	1.2	DISHWASHER	20	20/2	1.3	UHT-1, UHT-A
21	20/1	0.9	DISPOSAL	22	22	1	REF-1
23	20/1	1.2	ICE MACHINE	24	15/2	1.0	KEF-1
25	15/1	1.0	HOOD CTRL	26	26	2.7	CU-2
27	20/1	1.2	REFRIGERATOR	28	20/2	4.0	CU-1
29	20/1	0.5	GAS RANGE	30	1	1	REF-1
31	0/1	0.0	SHUNT TRIP	32	33/2	4.0	CU-1
33	15/2	1.8	KEF-1	34	1	1	REF-1
35	1	0.0	EXISTING EMERGENCY PANEL	36	20/1	0.6	WHT-1
37	100/2	0.0	EXISTING EMERGENCY PANEL	38	20/1	1.7	PURN-1
39	1	0.0	EXISTING EMERGENCY PANEL	40	20/1	0.0	SFACE

	CONN. KVA	CALC. KVA		CONN. KVA	CALC. KVA
LIGHTING	1.5	1.6	(125%)	0.0	0.0
LARGEST MOTOR	4.0	5.0	(125%)	11.5	11.5
OTHER MOTORS	13.9	13.9	(100%)	0.0	0.0
RECEPTACLES	11.3	10.7	(95%)	3.6	3.2
				0.0	0.0
				0.0	0.0
				45.8	46.1
				132.2	132.2
				103%	97%

KEYNOTES

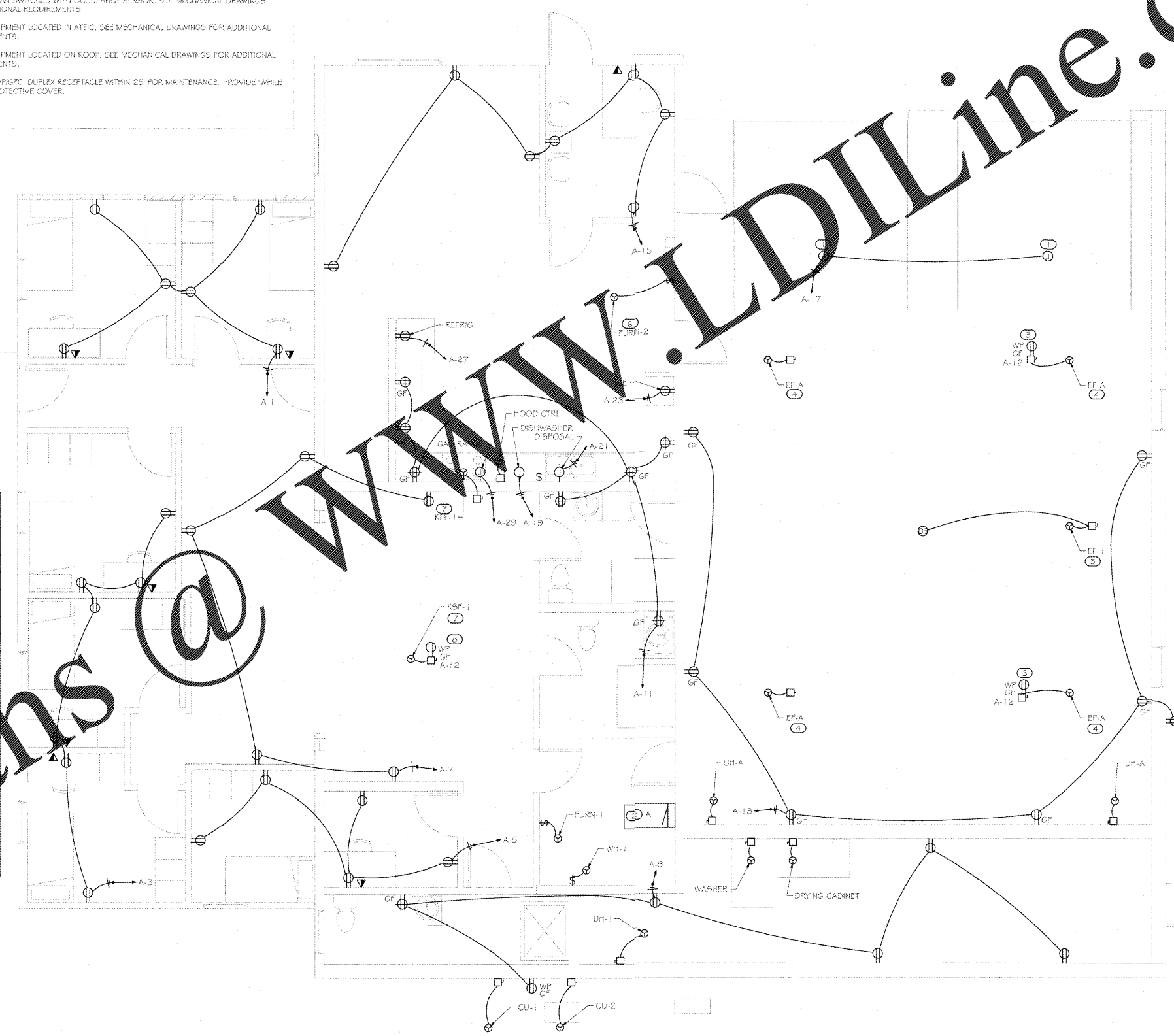
- PROVIDE CEILING MOUNTED JUNCTION BOX FOR GARAGE DOOR MOTOR. COORDINATE WITH MANUFACTURER, ARCHITECT, AND TENANT PRIOR TO ROUGH-IN.
- EXISTING DISTRIBUTION SERVICE TO REMAIN.
- PROVIDE WP/GFCI DUPLEX RECEPTACLE WITHIN 25' FOR MAINTENANCE. PROVIDE "WHILE IN USE" PROTECTIVE COVER.
- EXHAUST FAN CONTROLLED BY TOXIC GAS SENSORS. SEE MECHANICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- EXHAUST FAN SWITCHED WITH OCCUPANCY SENSOR. SEE MECHANICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- HVAC EQUIPMENT LOCATED IN ATTIC. SEE MECHANICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- HVAC EQUIPMENT LOCATED ON ROOF. SEE MECHANICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- PROVIDE WP/GFCI DUPLEX RECEPTACLE WITHIN 25' FOR MAINTENANCE. PROVIDE "WHILE IN USE" PROTECTIVE COVER.

GENERAL NOTES

- ALL RECEPTACLES SHALL BE GROUNDED AS REQUIRED BY ARTICLE 250-146.
- ALL 120V, SINGLE PHASE RECEPTACLES LOCATED IN KITCHEN OR BATHROOM SHALL BE GFCI RATED PER NEC 210.8(B).

GENERAL SCHEDULE

CALLOUT	SYMBOL	VOLTS	KVA	CIRCUIT	WIRE CALLOUT	DISCONNECT DESCRIPTION
CU-1		240/120V 2P 3W	4.01	A-32,34	1/2"C, 2# 10, #10N, #10G	30A/2P/NEMA 3R
CU-2		240/120V 2P 3W	2.71	A-28,30	1/2"C, 2# 12, #12N, #12G	30A/2P/NEMA 3R
DRYING CABINET		240/120V 2P 3W	9.6	A-6,8	3/4"C, 2# 6, #6N, #10G	60A/2P/NEMA 1
EF-1		120V 1P 2W	0.53	A-16	1/2"C, 1# 12, #12N, #12G	30A/1P/NEMA 3R
EF-A		120V 1P 2W	0.53	A-15	1/2"C, 1# 12, #12N, #12G	30A/1P/NEMA 3R
EF-A		120V 1P 2W	0.53	A-14	1/2"C, 1# 12, #12N, #12G	30A/1P/NEMA 3R
EF-A		120V 1P 2W	0.53	A-14	1/2"C, 1# 12, #12N, #12G	30A/1P/NEMA 3R
EF-A		120V 1P 2W	0.53	A-14	1/2"C, 1# 12, #12N, #12G	30A/1P/NEMA 3R
PURN-1		120V 1P 2W	1.66	A-36	1/2"C, 1# 12, #12N, #12G	SINGLE POLE SWITCH
PURN-2		120V 1P 2W	1.16	A-18	1/2"C, 1# 12, #12N, #12G	SINGLE POLE SWITCH
HOOD CTRL		120V 1P 2W	0.96	A-25	1/2"C, 1# 12, #12N, #12G	30A/1P/NEMA 1
KEF-1		240/120V 2P 3W	0.96	A-24,26	1/2"C, 2# 12, #12N, #12G	30A/2P/NEMA 3R
KSP-1		240/120V 2P 3W	1.82	A-33,35	1/2"C, 2# 12, #12N, #12G	30A/2P/NEMA 3R
UHT-1		240/120V 2P 3W	0.45	A-20,22	1/2"C, 2# 12, #12N, #12G	30A/2P/NEMA 1
UHT-A		240/120V 2P 3W	0.44	A-20,22	1/2"C, 2# 12, #12N, #12G	30A/2P/NEMA 1
UHT-A		240/120V 2P 3W	0.44	A-20,22	1/2"C, 2# 12, #12N, #12G	30A/2P/NEMA 1
WASHER		240/120V 2P 3W	1.92	A-2,4	1/2"C, 2# 12, #12N, #12G	30A/2P/NEMA 1
WHT-1		120V 1P 2W	0.6	A-36	1/2"C, 1# 12, #12N, #12G	SINGLE POLE SWITCH



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GENERAL CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL GUARANTEE TO THE OWNER ALL WORKMANSHIP AND MATERIALS, WHETHER FURNISHED BY THE CONTRACTOR OR SUB-CONTRACTORS, AGAINST DEFECTS FOR A MINIMUM PERIOD OF ONE (1) YEAR AFTER THE DATE OF FINAL ACCEPTANCE BY OWNER. FAILURE OF ANY SUCH ITEMS SHALL BE MADE GOOD BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT FROM DAMAGE OR DESTRUCTION ALL EXISTING MATERIALS AND FINISHES TO REMAIN IN ADJACENT OR NEARBY AREAS. THE CONTRACTOR SHALL REPLACE ANY DAMAGED OR DESTROYED ITEMS BY OPERATIONS UNDER THIS CONTRACT.
- PRODUCTS, TRADE NAMES AND/OR MANUFACTURERS NOTED WITHIN THESE DOCUMENTS ARE PROVIDED TO ESTABLISH A STANDARD OF QUALITY UNLESS OTHERWISE INDICATED, APPROVED EQUAL PRODUCTS OF ANOTHER MANUFACTURER MAY BE USED WITH THE WRITTEN PERMISSION OF THE ARCHITECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND SUPPLIER TO PROVE TO THE ARCHITECT BEFORE THE DATE OF BID THAT THEIR PRODUCT IS EQUAL TO OR BETTER THAN THOSE PRODUCTS SPECIFIED. IF AN "OR EQUAL" PRODUCT IS USED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ANY NECESSARY CHANGES TO THE STRUCTURE AND INTERIOR LAYOUT AT THE CONTRACTOR'S OWN EXPENSE, AFTER OBTAINING THE ARCHITECT'S ACCEPTANCE OF SUCH CHANGES.
- THE CONTRACTOR SHALL COORDINATE WITH THE OWNER A DESIGNATED SITE OR SITES FOR STORAGE OF MATERIALS AND EQUIPMENT FOR THE DURATION OF THE CONSTRUCTION CONTRACT.
- DIMENSIONS SHOWN ON THE DRAWINGS ARE TO ROUGH SURFACES, EXCLUSIVE OF FINISH MATERIALS, EXCEPT AS NOTED OTHERWISE. DO NOT SCALE THE DRAWINGS.
- THE CONTRACTOR SHALL COMPLY WITH ALL RELEVANT AND CURRENTLY ENFORCED BUILDING CODES BY ALL GOVERNING JURISDICTIONS, INCLUDING BUT NOT LIMITED TO ALL PROVISIONS OF THE AMERICAN WITH DISABILITIES ACT.

The contractor shall be responsible for all fees and obtaining all necessary and relevant permits and approvals relating to staging and construction of this project. The contractor shall comply with all relevant building, construction and work safety codes. The contractor shall verify all dimensions and elevations in the field before starting work and immediately report to the architect any discrepancies discovered.

PROFICIENT ENGINEERING
8021 Peachtree Industrial Blvd Building 700
Norcross, Georgia 30092
404-333-0750
PROJECT # 117303

GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. 032547
BRIAN M. ARMSTRONG

DOUGLAS COUNTY FIRE STATION 3

CLIENT: Owner

DRAWING TITLE: FLOOR PLAN - POWER

ISSUANCE:	DATE:	DRAWING NO.
Project Set	06/01/17	
		E-11
COMMISSION:	Project	
DRAWN BY:	DC	

1 FLOOR PLAN - POWER
E-11 1/4" = 1'-0"

Order Plans @