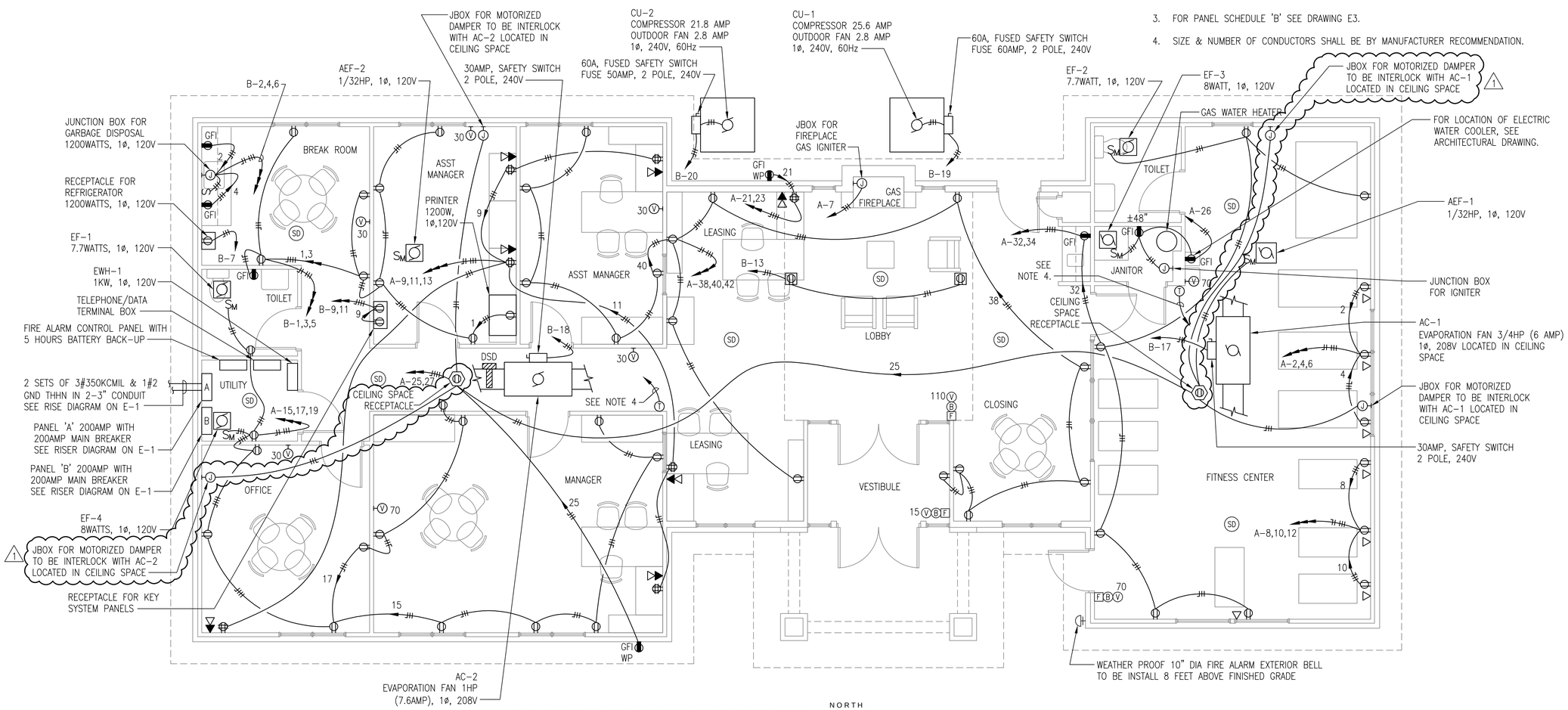
PLAN NOTES

1. AC-2 SHALL BE INTERLOCK WITH CU-2.
2. AC-1 SHALL BE INTERLOCK WITH CU-1.
3. FOR PANEL SCHEDULE 'B' SEE DRAWING E3.
4. SIZE & NUMBER OF CONDUCTORS SHALL BE BY MANUFACTURER RECOMMENDATION.



1 POWER AND COMMUNICATION PLAN

E4 SCALE: 1/4"=1'-0"

NORTH

PLAN

PANEL "A"

VOLTS 120/240V, 1ø, 3W+1GND
BUS 200 AMP
MAIN 200 AMP
FEED BOTTOM
MTG SURFACE
LOC ELECTRICAL ROOM

CKT NO.	SERVING	SIZE TRIP	SIZE FRAME	CONDUCTOR SIZE	CONDUIT SIZE	LOAD PH.A	LOAD PH.B	LOAD PH.C	CB	CB	LOAD PH.A	LOAD PH.B	LOAD PH.C	CONDUCTOR SIZE	CONDUIT SIZE	SIZE FRAME	SIZE TRIP	SERVING	CKT NO.
1	LTG LOBBY & EXTERIOR	20	100	#12	3/4"	680			A		500			#12	3/4"	100	20	FITNESS EQUIPMENT	2
3	LTG OFFICES,BATH,BREAK	↓	↓	↓	↓		916		B			500		↓	↓	↓	↓	↓	4
5	LTG LOBBY,CHANDELIER,BATH,FITNESS	↓	↓	↓	↓	820			C		600			↓	↓	↓	↓	↓	6
7	FIRE PLACE	20	↓	↓	↓		900					800		↓	↓	↓	20	FITNESS EQUIPMENT	8
9	QUAD REC FOR COMPUTER	20	↓	↓	↓	1200					1200			↓	↓	↓	↓	↓	10
11	↓	↓	↓	↓	↓		1200					–		↓	↓	↓	↓	↓	12
13	↓	↓	↓	↓	↓	1200					–			–	–	↓	20	SPARE	14
15	REC MANAGER	20	↓	↓	↓		1200					–		–	–	↓	↓	↓	16
17	REC IN MANAGER	↓	↓	↓	↓	1200					–			–	–	↓	↓	↓	18
19	REC IN OFFICE & ELEC	↓	↓	↓	↓		1200					–		–	–	↓	20	SPARE	20
21	OUTSIDE REC	20	↓	↓	↓	1200					–			–	–	↓	↓	↓	22
23	QUAD REC FOR COMPUTER	20	↓	↓	↓		1200					–		↓	↓	↓	↓	↓	24
25	CEILING SPACE REC & FAN	20	↓	↓	↓	1200					1200			#12	3/4"	↓	20	JANITOR CLOSET REC	26
27	CEILING SPACE REC & FAN	↓	↓	↓	↓		1200					–		–	–	↓	↓	SPARE	28
29	SPARE	20	↓	–	–	–					–			–	–	↓	↓	↓	30
31	↓	↓	↓	–	–		–					1200		#12	3/4"	↓	20	COFFEE COUNTER	32
33	↓	↓	↓	–	–	–					1200			↓	↓	↓	↓	FITNESS ROOM	34
35	↓	↓	↓	–	–		–					–		–	–	↓	↓	SPARE	36
37	↓	↓	↓	–	–	–					1200			#12	3/4"	↓	20	LOBBY REC	38
39	↓	↓	↓	–	–		–					1200		↓	↓	↓	↓	↓	40
41	↓	↓	↓	–	–	–					1200			↓	↓	↓	↓	ASST RM REC	42
SUBTOTAL LOAD PER PHASE						7500	7816				5900	4900						SUBTOTAL LOAD PER PHASE	
TOTAL LOAD PER PHASE					14600	12716													

CONTINUOUS LOAD 26110 X 1.25 = 26110 W
10% SPARE + OTHER LOAD = 2611 W
TOTAL LOAD = 28721 KW = 119.7 AMPS A.I.C. = 10,000

1 25 ADDED

LEASING OFFICE
CLUB HOUSE
Walker Mill Apartments

1926 Rochelle Avenue
Forestville, Maryland 20747

FEDERAL CAPITAL PARTNERS

5425 Wisconsin Avenue • Suite 202
Chevy Chase MD 20815
240 395 2000

NOVITSKE ARCHITECTS

201 North Fairfax Street • Suite 33
Alexandria VA 22314
703 535 7899 • 703 535 8840 fax

NATIONAL CONSULTING ENGINEERS

14415 MARINE DRIVE, SILVER SPRING MD. 20905
TEL: (301) 989-9142 FAX: (301) 989-0830
E-MAIL: massoud@ncengineers.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NUMBER: 16869,
EXPIRATION DATE: March 25, 2016

graphic scales
0' 5' 10'
1/4"=1'-0"

project: 21418
phase: Permit
date: 17 April 2015
revisions: 1 6/10/2016 ADDED MOTORIZED DAMPERS AND WORD OF ATTIC IS CHANGE TO CEILING SPACE

POWER AND COMMUNICTION PLAN

E4