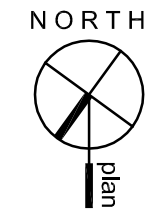


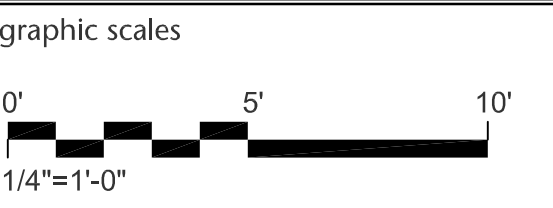
1 POWER AND COMMUNICATION PLAN
E4 SCALE: 1/4"=1'-0"



PLAN NOTES

- AC-2 SHALL BE INTERLOCK WITH CU-2.
- AC-1 SHALL BE INTERLOCK WITH CU-1.
- FOR PANEL SCHEDULE 'B' SEE DRAWING E3.
- SIZE & NUMBER OF CONDUCTORS SHALL BE BY MANUFACTURER RECOMMENDATION.
- CONTRACTOR SHALL USE LARGER JUNCTION BOX OR TWO JUNCTION BOX TOGETHER TO HAVE MORE SPACE FOR SPlicing CONDUCTOR WHERE WE HAVE MORE THAN FOUR CIRCUITS AND COMPLY WITH NEC SECTION 210.
- WE DO NOT HAVE ATTIC WE HAVE CEILING SPACE WITH ACCESS FROM EACH ROOM.

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	CONDUCTOR	CONDUIT	LOAD			CB	CB	LOAD			CONDUCTOR	CONDUIT	SIZE	SERVING	CKT NO.					
		TRIP	FRAME	SIZE	SIZE	PH.A	PH.B	PH.C			PH.A	PH.B	PH.C	SIZE	SIZE	FRAME	TRIP					
1	LTC LOBBY & EXTERIOR	20	100	#12	3/4"	680	916				500	500		#12	3/4"	100	20	FITNESS EQUIPMENT	2			
3	LTC OFFICES, BATH, BREAK																			4		
5	LTC LOBBY, SHOWER, DMH, FITNESS					820	900				600	800								6		
7	FIRE PLACE	20																		8		
9	QUAD REC FOR COMPUTER	20				1200	1200				1200									10		
11																				12		
13						1200														14		
15	REC MANAGER	20				1200														16		
17	REC IN MANAGER					1200														18		
19	REC IN OFFICE & ELEC					1200										20				20		
21	OUTSIDE REC	20				1200														22		
23	QUAD REC FOR COMPUTER	20				1200	1200													24		
25	CEILING SPACE REC & FAN	20				1200					1200			#12	3/4"	20				26		
27	CEILING SPACE REC & FAN					1200														28		
29	HEATER IN ELEC RM	20				1000														30		
31	SPARE	20																		32		
33											1200			#12	3/4"	20				34		
35																				36		
37											1200			#12	3/4"	20				38		
39											1200	1200								40		
41											1200									42		
SUBTOTAL LOAD PER PHASE						8500	7816				5900	4900								SUBTOTAL LOAD PER PHASE		
TOTAL LOAD PER PHASE						14600	12716															
CONTINUOUS LOAD						27110	X 1.25 =	27110	W													
10% SPARE + OTHER LOAD									2711	W												
TOTAL LOAD									29721	KW =										119.7	AMPS	
													A.I.C. =	22,000								



- 6/14/2018 CHANGED NOTE
- project: 21418
phase: Permit
date: 17 April 2015
- revisions: 6/10/2016 ADDED MOTORIZED DAMPERS AND WORD OF ATTIC IS CHANGE TO CEILING SPACE
11/8/2017 ADDED CIRCUIT NUMBER & NOTES
4/2/2018 AIC IS CHANGED TO 22,000

POWER AND COMMUNICATION PLAN