

**402.1 400 WING LIGHTING PLAN**  
SCALE: 1/8" = 1'-0"

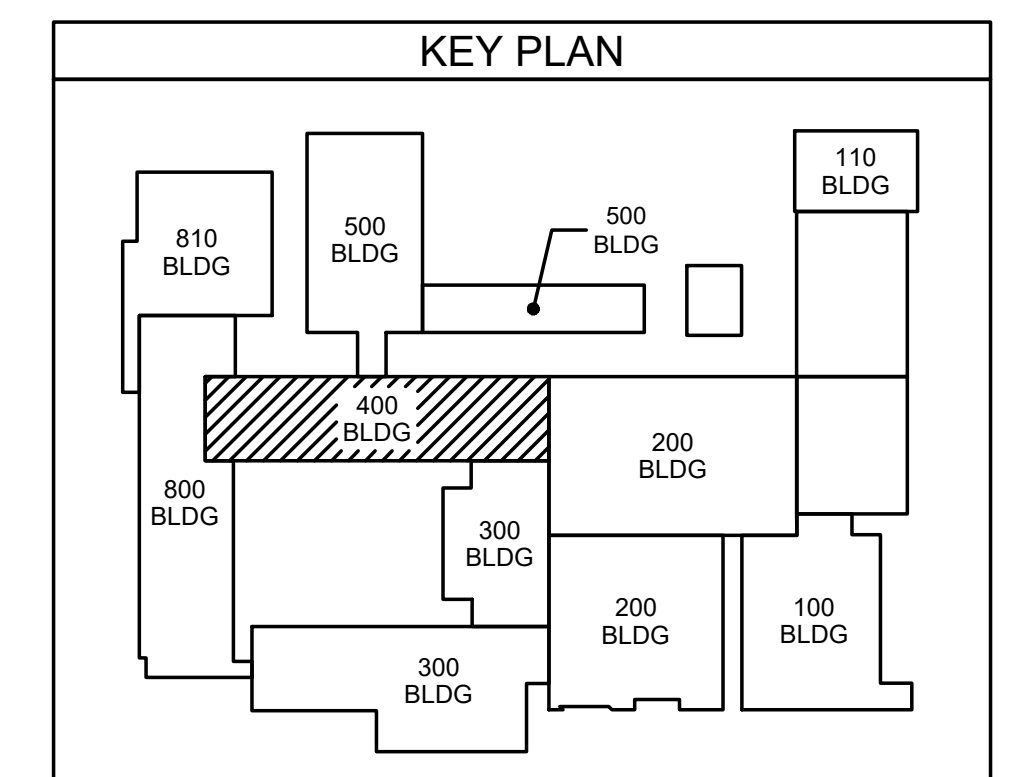
**EXISTING PANELBOARD SCHEDULE - "MDP" (500 WEIGHTROOM BUILDING)**

MAIN 800 MCB	VOLTAGE: 208/120	PHASE: 3	WIRE: 4	MOUNTING SURFACE												A/C: 42,000	BUS BARS: COPPER						
				LOAD (KVA)			LOAD (KVA)			LOAD (KVA)			LOAD (KVA)										
CKT #	BKR	TRIP	POLE	WIRE SIZE	COND SIZE	DESCRIPTION	LTG	REC	MTR	A/C	HTG	KIT	MISC	PHASE	LOAD (KVA)	COND SIZE	WIRE SIZE	POLE	BKR	TRIP	CKT #		
11						EXISTING PANEL "A"																2	
3	200	3	EXIST	EXIST																		4	
5																						6	
7																						8	
9	80	3	EXIST	EXIST		HP - 1A																10	
11																						12	
13																						14	
15	50	3	EXIST	EXIST		AHU-1 FAN																16	
17																						18	
19																						20	
21	80	3	EXIST	EXIST		HP - 1B									5.5							22	
23															5.5							24	
25																						26	
27		3				SPACE																28	
29																						30	
31																						32	
33		3				SPACE																34	
35																						36	
37																						38	
39		3				SPACE																40	
41																						42	
LIGHTING (KVA):							0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.5	
RECEPTACLES (KVA):							0.0																130.0
MOTORS (KVA):							0.0																
A/C (KVA):							0.0																45.8
HEATING (KVA):							16.5																360.8
KITCHEN (KVA):							0.0																
MISCELLANEOUS (KVA):							0.0																

NOTES: EXISTING PANEL IS A SQ D "I-LINE". WEIGHTROOM PEAK LOAD RECORDED BY UTILITY WAS 87.5KW. LOCKER ROOM PEAK WAS 16.5 KW.

**MDP (500 WEIGHTROOM BUILDING) DEMAND CALCS**

LIGHTING	0.00	KVA	X	125	%	=	0.0	KVA
RECEPTACLES TOTAL	0.00	KVA						
1ST	10.00	KVA	X	100	%	=	0.0	KVA
REMAIN	0.00	KVA	X	50	%	=	0.0	KVA
MOTORS	0.00	KVA	X	100	%	=	0.0	KVA
LARGEST	0.00	KVA	X	125	%	=	0.0	KVA
A/C	0.00	KVA	X	100	%	=	0.0	KVA
LOCKER RM PEAK	16.50	KVA	X	125	%	=	20.6	KVA
WEIGHT RM PEAK	87.50	KVA	X	125	%	=	109.4	KVA
KITCHEN	0.00	KVA	X	65	%	=	0.0	KVA
MISCELLANEOUS	0.00	KVA	X	100	%	=	0.0	KVA
TOTAL	=	360.8	amps			=	130.0	KVA



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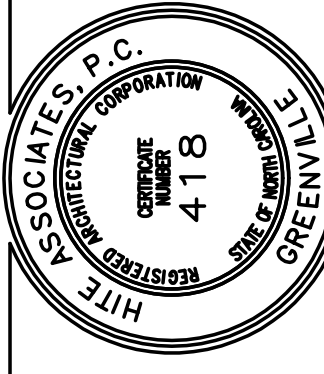
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2021123

No.	Date	Revision
1	11/09/23	ADDENDUM # 1
2	11/14/23	ADDENDUM # 2
3	11/21/23	ADDENDUM # 3
4	11/27/23	ADDENDUM # 4
5	12/01/23	ADDENDUM # 6

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**New Additions & Renovations to  
West Carteret High School**  
4700 Country Club Road, Morehead City, NC 28577  
Carteret County Schools / North Carolina

Project No: 22112  
Date: 03 Oct 2023  
Drawing No: **E 402**

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