PANEL NO.: **NW HG**
USAGE: **MECHANICAL**
LOCATION: **MECH RM 116**
PHASES **3**
L-L VOLTS **480**
L-G VOLTS **277**
BUS AMPS **225**
AIC RATING **65,000**
MAIN CB AMPS **MLO**

CLIENT: **FCSD**
MOUNTING: **SURFACE**
PANEL TYPE: **BRANCH**
ENGINEER: **BAC**
RMF PROJECT NO.. **718209.A0**

FED FROM: EX MDP

CND SIZE	GND. SIZE	PHASE/ NEUT. SIZE	CKT AMPS	LOAD DESCRIPTION	CB BKR. RATING (AMPS)/POLES	CIRCUIT NUMBER A B C	CB BKR. RATING (AMPS)/POLES	LOAD DESCRIPTION	CKT AMPS	PHASE/ NEUT. SIZE	GND. SIZE	CND SIZE
			26.99			1 A 2			4.80			
1-1/4	8	4	26.99	NW CT-1	70/3	3 B 4	20/3	NW TWP-1	4.80	12	12	3/4
			26.99			5 C 6			4.80			
			11.01			7 A 8			9.60			
REUSE EXISTING			11.01	EX NP-2A	30/3	9 B 10	20/3	NW CT-1 BASIN HTR	9.60	10	10	1
			11.01			11 C 12			9.60			
			5.59			13 A 14			11.01			
3/4	10	10	5.59	NW RTU-A2	20/3	15 B 16	30/3	EX NP-2B	11.01	REUSE EXISTING		
			5.59			17 C 18			11.01			
			4.80			19 A 20			0.00			
REUSE EXISTING			4.80	EX P-4	20/3	21 B 22		SPACE ONLY	0.00			
			4.80			23 C 24			0.00			
			0.00			25 A 26			0.00			
			0.00	SPACE ONLY		27 B 28		SPACE ONLY	0.00			
			0.00			29 C 30			0.00			

LOADS	CONNECTED (KVA)	DIVERSITY FACTOR %	DEMAND (KVA) %
LIGHTING	0.00	100%	0.00
HVAC COOLING*	4.65	100%	4.65
HVAC HEATING*	0.00	100%	0.00
MOTORS	26.28	100%	26.28
KITCHEN EQUIPMENT	0.00	100%	0.00
RECEPTACLES (1st 10 KVA)	0.00	100%	0.00
RECEPTACLES (> 10 KVA)	0.00	50%	0.00
MISCELLANEOUS	30.42	100%	30.42

* LOAD VALUES HAVE BEEN ADJUSTED TO REFLECT WORST CASE LOADING FOR EQUIPMENT WITH BOTH COOLING AND HEATING SYSTEMS.

PHASE LOADING			
PHASE	CONNECTED (KVA)	DEMAND (KVA)	DEMAND (AMPS)
A	20.45	20.45	73.83
B	20.45	20.45	73.83
C	20.45	20.45	73.83
A,B,C TOTALS	61.35	61.35	73.79

PANEL NO.: **EX MDP**
USAGE: **DISTRIBUTION PANELBOARD**
LOCATION: **MECH RM 116**
PHASES **3**
L-L VOLTS **480**
L-G VOLTS **277**
BUS AMPS **800**
AIC RATING **EXISTING**
MAIN CB AMPS **800**

CLIENT: **FCSD**
MOUNTING: **SURFACE**
PANEL TYPE: **DISTRIBUTION**
ENGINEER: **BAC**
RMF PROJECT NO.: **718209.A0**

FED FROM: UTILITY XFMR

PANEL NOTES:
PROVIDE GROUND BUS
PROVIDE FULL SIZE NEUTRAL BUS UNLESS NOTED OTHERWISE
*** - INDICATES C.B. EQUIPPED WITH "LOCK-ON" DEVICE**
**** - INDICATES C.B. IS GFI TYPE 30 mA**
ST- INDICATES C.B. EQUIPPED WITH SHUNT TRIP DEVICE

CND SIZE	GND. SIZE	PHASE/ NEUT. SIZE	CKT AMPS	LOAD DESCRIPTION	CB BKR. RATING (AMPS)/POLES	CIRCUIT NUMBER A B C	CB BKR. RATING (AMPS)/POLES	LOAD DESCRIPTION	CKT AMPS	PHASE/ NEUT. SIZE	GND. SIZE	CND SIZE
			0.00			1 A 2			0.00			
			0.00	SPACE		3 B 4	20/3	SPARE	0.00			
			0.00			5 C 6			0.00			
			11.91			7 A 8			7.61			
			11.91	EX EXT LGTS	15/3	9 B 10	20/3	EX COOLING TOWER	7.61			
			11.91			11 C 12			7.61			
			73.79			13 A 14			40.02			
REUSE EXISTING			73.79	NW PANEL HG	100/3	15 B 16	50/3	EX KP	40.02			
			73.79			17 C 18			40.02			
			11.01			19 A 20			80.00			
			11.01	EX DRAFT FAN	30/3	21 B 22	100/3	EX LPA	80.00			
			11.01			23 C 24			80.00			
			80.00			25 A 26			40.02			
			80.00	EX AHU	100/3	27 B 28	50/3	EX KB	40.02			
			80.00			29 C 30			40.02			
			90.21			31 A 32			200.02			
			90.21	EX PPC (VIA 75 KVA XMFR)	125/3	33 B 34	200/3	EX ALL PHASE MONITOR	200.02			
			90.21			35 C 36			200.02			

LOADS	CONNECTED (KVA)	DIVERSITY FACTOR %	DEMAND (KVA)
LIGHTING	9.90	100%	9.90
HVAC COOLING	66.51	100%	66.51
HVAC HEATING	0.00	100%	0.00
MOTORS	15.48	100%	15.48
KITCHEN EQUIPMENT	0.00	100%	0.00
RECEPTACLES (1st 10 KVA)	0.00	100%	0.00
RECEPTACLES (> 10 KVA)	0.00	50%	0.00
MISCELLANEOUS	435.69	100%	435.69

PHASE LOADING			
PHASE	CONNECTED (KVA)	DEMAND (KVA)	DEMAND (AMPS)
A	175.86	175.86	634.87
B	175.86	175.86	634.87
C	175.86	175.86	634.87
A,B,C TOTALS	527.58	527.58	634.60

1. UNKNOWN EXISTING LOADS WERE CALCULATED AT 80% OF CIRCUIT BREAKER SIZE AND TOTAL DEMAND AMPS REPRESENTS WORST CASE SCENARIO.

PANEL SCHEDULE LEGEND	
NW HG	EX MDP

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PROJECT NO:

01	50% CD	08/07/2019
02	50% CD - re-submittal	11/20/2019
03	90% CD	10/04/2019
04	PERMIT SET	11/15/2019
05	BID SET	12/20/2019

GEORGIA REGISTERED No. PE037930 PROFESSIONAL ENGINEER BETH ANN CRUTCHFIELD

SHEET TITLE
ELECTRICAL PANELBOARD SCHEDULES

SHEET NUMBER
E702