

three inches = one foot
one and one-half inches = one foot
one inch = one foot
three-quarters inch = one foot
one-half inch = one foot
three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot

NEW PANEL 27C SCHEDULE															
225 AMP BUS				225 AMP MCB		208Y/120 VOLTS		3PH, 4W, SN			MIN. 22 KAIC			SURFACE MOUNTED	
CKT. NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT. NO.	
1	AIR COMPRESSOR	1.25	3#2, #6G	110	78.2	9.4	A	1.3	11.2	20	12	1/2	AIR DRYER	2	
3					78.2	9.4	B	0.2	1.5	20	12	1/2	RECEPTS	4	
5					78.2	9.4	C	0.2	1.7	20	12	1/2	RACK LIGHTING	6	
7	SPARE			20			A			20			SPARE	8	
9	SPARE			20			B			20			SPARE	10	
11	SPARE			20			C			20			SPARE	12	
13	SPARE			20			A			20			SPARE	14	
15	SPARE			20			B			20			SPARE	16	
17	SPARE			20			C			20			SPARE	18	
19	SPARE			20			A			20			SPARE	20	
21	BUSSED SPACE						B						BUSSED SPACE	22	
23	BUSSED SPACE						C						BUSSED SPACE	24	
25	BUSSED SPACE						A						BUSSED SPACE	26	
27	BUSSED SPACE						B						BUSSED SPACE	28	
29	BUSSED SPACE						C						BUSSED SPACE	30	
31	BUSSED SPACE						A						BUSSED SPACE	32	
33	BUSSED SPACE						B						BUSSED SPACE	34	
35	BUSSED SPACE						C						BUSSED SPACE	36	
37	BUSSED SPACE						A						BUSSED SPACE	38	
39	BUSSED SPACE						B						BUSSED SPACE	40	
41	BUSSED SPACE						C						BUSSED SPACE	42	
TOTAL AMPS (CONN. LOAD)				A:	89.4		B:	79.7		C:	79.9				
TOTAL AMPS (FEEDTHRU)				A:			B:			C:					
TOTAL AMPS (CONN. LOAD + FEED-THRU)				A:	89.4		B:	79.9		C:	79.9				
PANELBOARD OPTIONS:							PANELBOARD NOTES:								

120/208V,3PH,4W										EXISTING "MCC"										BUS: 600 AMP									
TOP FED										BUS BAR BRACING: MIN. 100,000 AMPS										MINIMUM A.I.C.: 22,000									
CIR.	TMB		MCP		STARTER		DESCRIPTION				H.P.		KVA		CONDUCTORS\ CONDUIT				NOTES										
AMP	POLE	AMP	POLE	SZ.	TYPE																								
B1	(1)	(1)	-	-	-	-	EXISTING LOAD TO REMAIN				-	-	(2)																
B2	225	3	-	-	-	-	NEW PANEL 27-C				-	60.8	3#4/0,#2G; 2-1/2" C				1												
C1	(1)	(1)	-	-	-	-	EXISTING LOAD TO REMAIN				-	-	(2)																
C2	(1)	(1)	-	-	-	-	EXISTING LOAD TO REMAIN				-	-	(2)																
C3	(1)	(1)	-	-	-	-	EXISTING LOAD TO REMAIN				-	-	(2)																
C4	(1)	(1)	-	-	-	-	EXISTING LOAD TO REMAIN				-	-	(2)																
C5	(1)	(1)	-	-	-	-	EXISTING LOAD TO REMAIN				-	-	(2)																
C6	(1)	(1)	-	-	-	-	EXISTING LOAD TO REMAIN				-	-	(2)																
C7	(1)	(1)	-	-	-	-	EXISTING LOAD TO REMAIN				-	-	(2)																
D1	(1)	(1)	-	-	-	-	EXISTING LOAD TO REMAIN				-	-	(2)																
D2	(1)	(1)	-	-	-	-	EXISTING LOAD TO REMAIN				-	-	(2)																
D3	(1)	(1)	-	-	-	-	EXISTING LOAD TO REMAIN				-	-	(2)																
D4	(1)	(1)	-	-	-	-	EXISTING LOAD TO REMAIN				-	-	(2)																
D5	(1)	(1)	-	-	-	-	EXISTING LOAD TO REMAIN				-	-	(2)																
D6	225	3	-	-	-	-	TEMPORARY BOILER				-	-	3#4/0,#2G; 2-1/2" C				2												
E1	(1)	(1)	-	-	-	-	EXISTING LOAD TO REMAIN				-	-	(2)																
E2	(1)	(1)	-	-	-	-	EXISTING LOAD TO REMAIN				-	-	(2)																
E3	(1)	(1)	-	-	-	-	EXISTING LOAD TO REMAIN				-	-	(2)																
F1	(1)	(1)	-	-	-	-	EXISTING LOAD TO REMAIN				-	-	(2)																
F2	(1)	(1)	-	-	-	-	EXISTING PANEL A TO REMAIN				-	-	(2)																
F3	(1)	(1)	-	-	-	-	EXISTING BOILER #3 TO REMAIN				-	-	(2)																
CT=CLOSED TRANSITION WYE-DELTA STARTER AT=AUTO TRANSFORMER STARTER FVNR=FULL VOLTAGE NON-REVERSING MCP=MOTOR CIRCUIT PROTECTOR TMB=THERMAL MAGNETIC BREAKER																													

NOTES:
(MCC SCHEDULE ONLY)

- PROVIDE NEW BREAKER IN EXISTING SPARE MCC SPACE. BREAKER SHALL MATCH ELECTRICAL CHARACTERISTICS OF EXISTING MCC. REFER TO SHEET 27-E-002 FOR ADDITIONAL INFORMATION. PROVIDE NEW BUCKET, MOUNTING HARDWARE, DOOR AND ALL ACCESSORIES AS NEEDED TO INSTALL NEW BREAKER IN MCC.
- REMOVE EXISTING BREAKER SERVING ABANDONED HEATING EQUIPMENT AND PROVIDE NEW BREAKER IN EXISTING MCC BUCKET. BREAKER SHALL MATCH ELECTRICAL CHARACTERISTICS OF EXISTING MCC. REFER TO SHEET 27-E-002 FOR ADDITIONAL INFORMATION. PROVIDE NEW BUCKET, MOUNTING HARDWARE, DOOR AND ALL ACCESSORIES AS NEEDED TO INSTALL NEW BREAKER IN MCC.

ELECTRICAL LEGEND	
CIRCUITS	
	RACEWAY IN CEILING OR WALL
	RACEWAY UNDERFLOOR, UNDERGROUND
	FLEXIBLE RACEWAY
	HOME RUN (ONE ARROW PER CIRCUIT)
	CONDUIT (UP, DOWN)
	EXPOSED RACEWAY
GENERAL EQUIPMENT	
	DISCONNECT SWITCH (F=FUSED, N=NON-FUSED)
	208Y/120V, 3Ø, 4W ELECTRICAL PANELBOARD (FLUSH MOUNTED, SURFACE)
	480Y/277V, 3Ø, 4W ELECTRICAL PANELBOARD (FLUSH MOUNTED, SURFACE)
	CIRCUIT BREAKER
	TRANSFORMER
ABBREVIATIONS	
3Ø	THREE PHASE
4W	FOUR WIRE
AC	ALTERNATING CURRENT
AIC	UL LISTED, INTERRUPTING CAPACITY-RMS SYMMETRICAL AMPERES
A, AMP	AMPERES
A.F.F.	ABOVE FINISHED FLOOR
C, CD.	CONDUIT
HP	HORSEPOWER
KVA	KILOVOLT-AMPERES
KW	KILOWATTS
MAX	MAXIMUM
MIN	MINIMUM
M.B.	MAIN BREAKER
M.L.O.	MAIN LUGS ONLY
LFMC	LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT
SWG	SWITCHGEAR
UL	UNDERWRITER'S LABORATORY
LINETYPES	
NEW WORK PLANS	
	NEW WORK AND EQUIPMENT
	EXISTING EQUIPMENT TO REMAIN OR OTHERWISE NOTED

GENERAL NOTES:
(MCC ONLY)

- NEW DISCONNECT SWITCHES AND TRANSFORMER ARE FOR CONNECTION TO A TEMPORARY BOILER TRAILER. THIS LOAD WILL BE CONNECTED TO THE EXISTING MCC ONLY IF THE EXISTING BOILERS ARE OFF-LINE AND NOT IN OPERATION.
- THE EXISTING RECORDED PEAK LOAD AMPS ON THE MCC IS 86 AMPS. THE NEW LOAD BEING ADDED TO THE MCC IS 81.6 AMPS FOR THE NEW AIR COMPRESSOR AND AIR DRYER GIVING A NEW TOTAL LOAD OF 167.6 AMPS.

<div>Revisions</div> <div>Date</div>		<div></div> <div>APPLIED ENGINEERING SOLUTIONS</div> <div>440 Martin Luther King, Jr. Blvd., Suite 401 Macon, Georgia 31201 (478) 314-1270 www.aes-pe.com</div>		<div></div> <div>KEY PLAN SCALE: NONE</div>		<div></div>		<div>Drawing Title</div> <div>LEGEND, PANEL SCHEDULE AND SWITCHBOARD ELECTRICAL</div>		<div>Project Title</div> <div>STEAM AND CONDENSATE PIPING SYSTEM STUDY</div>		<div>Date</div> <div>JUNE 22, 2012</div>	
								<div>Building Number</div> <div>27</div>		<div>Checked</div> <div>RBP</div>		<div>Drawn</div> <div>JFM</div>	
								<div>Location</div> <div>CARL VINSON VA MEDICAL CENTER DUBLIN, GEORGIA</div>		<div>DRAWING NO.</div> <div>27-E-001</div>		<div>Dwg. 86 Of 87</div>	
								FINAL SUBMITTAL					