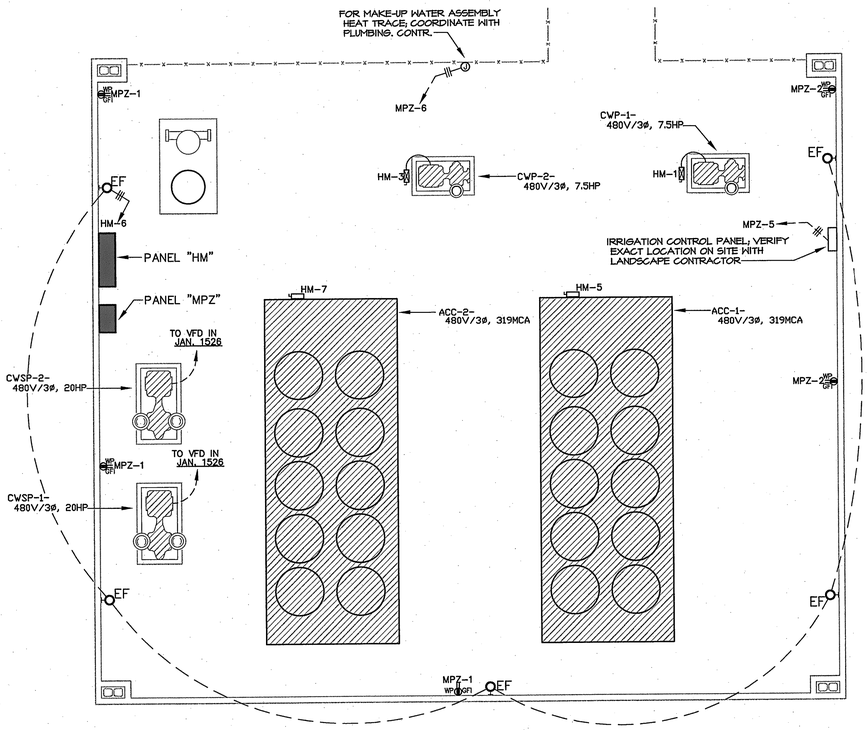

1 MECHANICAL YARD ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

PANEL "MPZ"

TYPE: MINI-POWER ZONE
MOUNTING: SURFACE
SERVICE: 480 VOLT, 1ø, 3W (PRIMARY) 120/240 VOLT, 1ø, 3W (SECONDARY)
AIC: 18,000
MAIN: 40A/2P MCB (PRIMARY) 60A/2P MCB (SECONDARY)
REMARKS: 10 KVA NEMA 3R

bkr. no.	trip amp	bkr. pole	wire size	cd	service
1,2	20	1	12		RECEPTACLES
3,4	20	1	10		HEAT TRACE–BACKFLOW PREVENTOR
5	20	1	12		IRRIGATION CONTROL PANEL
6	20	1	12		HEAT TRACE–MAKEUP WATER ASSEMBLY
7,8	20	1			SPARES
9,10					SPACES

PANEL "HM"

TYPE: DISTRIBUTION PANELBOARD
MOUNTING: SURFACE
SERVICE: 277/480 VOLT, 3ø, 4W
AIC: 35,000
MAIN: 1000 AMP MAIN BREAKER
REMARKS: GROUND BUS NEMA 3R

pos. no.	bkr. no.	trip amp	bkr. pole	wire size	cd	service	LOAD V.A. A #	B #	C #	pos. no.	bkr. no.	trip amp	bkr. pole	wire size	cd	service
1	1	20	3	12		CWP–1	3048	7482		2	2	40	3	8	3/4"	CWSP–1
3						"		3048	7482	4						"
5						"		7482	3048	6						"
7	3	20	3	12		CWP–2	3048	7482		8	4	40	3	8	3/4"	CWSP–2
9						"		3048	7482	10						"
11						"		7482	3048	12						"
13	5	450	3	4/0	2-1/2"	ACC–1	70723	625		14	6	20	1	12		LIGHTS
15						"		70723	5000	16	8	40	2	8	3/4"	PANEL "MPZ"
17						"		70723	5000	18						"
19	7	450	3	4/0	2-1/2"	ACC–2	70723			20						SPACE
21						"		70723		22						"
23						"			70723	24						"
25						SPACE				26						"
27						"				28						"
29						"				30						"
31						"				32						"
33						"				34						"
35						"				36						"
37						"				38						"
39						"				40						"
41						"				42						"
connected V.A. per phase							163,131	167,506	167,506							
total amps per phase							589	605	605							

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JOSEPH B. LANCASTER
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ST. TAMMANY PARISH SCHOOL BOARD
MADISONVILLE, LOUISIANA
STPSB PROJECT #0825

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PROJ. NO. 0825
DATE 06.25.09
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PROFESSIONAL OF RECORD
STATE OF LOUISIANA
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REG. NO. 15220
REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL ENGINEER

SHEET NO. E500

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