PANEL: MDP
LOCATION: COOLER ROOM
FEEDER SOURCE: CLECO TRANSFORMER
VOLTAGE: 480/277V, 1600A 3Ø, 4W
ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GND BAR
SQUARE D TYPE QO LOAD CENTER OR EQUAL
22K AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1	3-#3 1-#8 G	T #1, 75 KVA TRANSFORMER	90	3	18882	225000	3	90	T #2, 75 KVA TRANSFORMER	3-#3 1-#8 G	2
3											4
5											6
7	6-300 MCM 1-2/0 G	480V #1 PANEL, 600A	600	3	18882	18882	3	225	480V #2 PANEL, 225A	3-3/0 1-#4 G	8
9											10
11											12
13	3-#3 1-#8 G	480V #3 PANEL, 100A	100	3	27806	27806	3	225	480V #4 PANEL, 225A	3-3/0 1-#4 G	14
15											16
17											18
19	3-3/0 1-#4 G	480V #5 PANEL, 225A	225	3	27806	-	3	-	SPACE		20
21											22
23											24
25		SPACE	-	3	-	-	3	-	SPACE		26
27											28
29											30
31		SPACE	-	3	-	-	3		SPACE		32
33											34
35											36
37		SPACE		3	-	-	3		SPACE		38
39											40
41											42

SOLID NEUTRAL NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA): AØ= 379775 BØ= 379776 CØ= 379776
GROUND BUS GROUND WIRE (G)

PANEL: 480V #1
LOCATION: COOLER ROOM
FEEDER SOURCE: MDP 7, 9, 11
VOLTAGE: 480/277V, 600A 3Ø, 4W
ENCLOSURE: SURFACE MOUNT W/EQUIPMENT GND BAR
SQUARE D TYPE QO LOAD CENTER OR EQUAL
22K AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1	3 #8 1 #10	RTU 1 10 TON, 480V, 3Ø, 24 KW HEAT	45	3	36251	30913	3	40	RTU 2 5 TON, 480V, 3Ø, 15KW HEAT	3 #8 1 #10	2
3											4
5											6
7	3 #8 1 #10	RTU 3 10 TON, 480V, 3Ø, 24 KW HEAT	45	3	36251	24921	3	30	RTU 4 4 TON, 480V, 3Ø, 16 KW HEAT	3 #8 1 #10	8
9											10
11											12
13	3 #3 1 #8	RTU 5 4 TON, 480V, 3Ø, 16 KW HEAT	30	3	24921	24921	3	30	RTU 6 4 TON, 480V, 3Ø, 16 KW HEAT	3 #8 1 #10	14
15											16
17											18
19		SPARE	20	1	-	-	1	20	SPARE		20
21		SPARE	20	1	-	-	1	20	SPARE		22
23		SPARE	20	1	-	-	1	20	SPARE		24
25		SPACE	20	1	-	-	1	20	SPACE		26
27		SPACE	20	1	-	-	1	20	SPACE		28
29		SPACE	20	1	-	-	1	20	SPACE		30
31		SPACE	20	1	-	-	1	20	SPACE		32
33		SPACE	20	1	-	-	1	20	SPACE		34
35		SPACE	20	1	-	-	1	20	SPACE		36
37		SPACE	20	1	-	-	1	20	SPACE		38
39		SPACE	20	1	-	-	1	20	SPACE		40
41		SPACE	20	1	-	-	1	20	SPACE		42

SOLID NEUTRAL NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA): AØ= 59,393 BØ= 59,393 CØ= 59,393
GROUND BUS GROUND WIRE (G)

PANEL: 480V #2
LOCATION: COOLER ROOM
FEEDER SOURCE: MDP 8, 10, 12
VOLTAGE: 480/277V, 225A 3Ø, 4W
ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GND BAR
SQUARE D TYPE QO LOAD CENTER OR EQUAL
22K AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1		SPACE	-	3	-	-	3	-	SPACE		2
3											4
5											6
7		SPACE	-	3	-	-	3	-	SPACE		8
9											10
11											12
13		SPACE	-	3	-	-	3	-	SPACE		14
15											16
17											18
19		SPACE	-	3	-	-	3	-	SPACE		20
21											22
23											24
25		SPACE	-	3	-	-	3	-	SPACE		26
27											28
29											30
31		SPACE	-	3	-	-	3	-	SPACE		32
33											34
35											36
37		SPACE	-	3	-	-	3	-	SPACE		38
39											40
41											42

SOLID NEUTRAL NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA): AØ= - BØ= - CØ= -
GROUND BUS GROUND WIRE (G)

PANEL: 480V #3
LOCATION: FIREPUMP HOUSE
FEEDER SOURCE: MDP 13, 15, 17
VOLTAGE: 480/277V, 150A 3Ø, 4W; WITH 110A MAIN BRKR
ENCLOSURE: SURFACE MOUNT W/EQUIPMENT GND BAR
SQUARE D TYPE QO LOAD CENTER OR EQUAL
22K AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1	3 #8 1 #10	T #3, 45 KVA TRANSFORMER	55	3	45000	-	3	-	EXISTING		2
3											4
5											6
7		EXISTING	-	3	-	-	3	-	EXISTING		8
9											10
11											12
13		EXISTING	-	3	-	-	3	-	EXISTING		14
15											16
17											18
19		SPARE	20	1	-	-	1	20	SPARE		20
21		SPARE	20	1	-	-	1	20	SPARE		22
23		SPARE	20	1	-	-	1	20	SPARE		24
25		SPACE	20	1	-	-	1	20	SPACE		26
27		SPACE	20	1	-	-	1	20	SPACE		28
29		SPACE	20	1	-	-	1	20	SPACE		30
31		SPACE	20	1	-	-	1	20	SPACE		32
33		SPACE	20	1	-	-	1	20	SPACE		34
35		SPACE	20	1	-	-	1	20	SPACE		36
37		SPACE	20	1	-	-	1	20	SPACE		38
39		SPACE	20	1	-	-	1	20	SPACE		40
41		SPACE	20	1	-	-	1	20	SPACE		42

SOLID NEUTRAL NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA): AØ= - BØ= - CØ= -
GROUND BUS GROUND WIRE (G)

PANEL: 480V #4
LOCATION: ELECTRICAL MEZZANINE
FEEDER SOURCE: MDP 14, 16, 18
VOLTAGE: 480/277V, 225A 3Ø, 4W; WITH 225A MAIN BRKR
ENCLOSURE: SURFACE MOUNT W/EQUIPMENT GND BAR
SQUARE D TYPE QO LOAD CENTER OR EQUAL
22K AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1	3 #8 1 #10	RTU 7 6 TON, 480V, 3Ø, 24 KW HEAT	50	3	40738	40738	3	50	RTU 8 6 TON, 480V, 3Ø, 24KW HEAT	3 #8 1 #10	2
3											4
5											6
7	3 #8 1 #10	RTU 9 6 TON, 480V, 3Ø, 24 KW HEAT	50	3	40738	36251	3	45	RTU 10 10 TON, 480V, 3Ø, 24 KW HEAT	3 #8 1 #10	8
9											10
11											12
13	3 #3 1 #8	RTU 11 15 TON, 480V, 3Ø, 35 KW HEAT	80	3	58720	36251	3	45	RTU 12 10 TON, 480V, 3Ø, 24 KW HEAT	3 #8 1 #10	14
15											16
17											18
19		SPARE	20	1	-	-	1	20	SPARE		20
21		SPARE	20	1	-	-	1	20	SPARE		22
23		SPARE	20	1	-	-	1	20	SPARE		24
25		SPACE	20	1	-	-	1	20	SPACE		26
27		SPACE	20	1	-	-	1	20	SPACE		28
29		SPACE	20	1	-	-	1	20	SPACE		30
31		SPACE	20	1	-	-	1	20	SPACE		32
33		SPACE	20	1	-	-	1	20	SPACE		34
35		SPACE	20	1	-	-	1	20	SPACE		36
37		SPACE	20	1	-	-	1	20	SPACE		38
39		SPACE	20	1	-	-	1	20	SPACE		40
41		SPACE	20	1	-	-	1	20	SPACE		42

SOLID NEUTRAL NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA): AØ= 84,479 BØ= 84,479 CØ= 84,479
GROUND BUS GROUND WIRE (G)

PANEL: 480V #5
LOCATION: ELECTRICAL MEZZANINE
FEEDER SOURCE: MDP 13, 15, 17
VOLTAGE: 480/277V, 225A 3Ø, 4W; WITH 225A MAIN BRKR
ENCLOSURE: SURFACE MOUNT W/EQUIPMENT GND BAR
SQUARE D TYPE QO LOAD CENTER OR EQUAL
22K AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1		EXISTING PARKING LOT LIGHTS	-	3	-	-	1	20	SPARE		2
3						-	1	20	SPARE		4
5						-	1	20	SPARE		6
7		SPARE	20	1	-	-	1	20	SPARE		8
9		SPARE	20	1	-	-	1	20	SPARE		10
11		SPARE	20	1	-	-	1	20	SPARE		12
13		SPACE	20	1	-	-	1	20	SPARE		14
15		SPACE	20	1	-	-	1	20	SPARE		16
17		SPACE	20	1	-	-	1	20	SPARE		18
19		SPARE	20	1	-	-	1	20	SPARE		20
21		SPARE	20	1	-	-	1	20	SPARE		22
23		SPARE	20	1	-	-	1	20	SPARE		24
25		SPACE	20	1	-	-	1	20	SPACE		26
27		SPACE	20	1	-	-	1	20	SPACE		28
29		SPACE	20	1	-	-	1	20	SPACE		30
31		SPACE	20	1	-	-	1	20	SPACE		32
33		SPACE	20	1	-	-	1	20	SPACE		34
35		SPACE	20	1	-	-	1	20	SPACE		36
37		SPACE	20	1	-	-	1	20	SPACE		38
39		SPACE	20	1	-	-	1	20	SPACE		40
41		SPACE	20	1	-	-	1	20	SPACE		42

SOLID NEUTRAL NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA): AØ= - BØ= - BØ= -
GROUND BUS GROUND WIRE (G)

PANEL: EXISTING PARKING LOT LIGHTS
LOCATION: ELECTRICAL MEZZANINE
FEEDER SOURCE: MDP 13, 15, 17
VOLTAGE: 480/277V, 225A 3Ø, 4W
ENCLOSURE: SURFACE MOUNT W/EQUIPMENT GND BAR
SQUARE D TYPE QO LOAD CENTER OR EQUAL
22K AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1		EXISTING	20	1	-	-	1	20	EXISTING		2
3		EXISTING	20	1	-	-	1	20	EXISTING		4
5		EXISTING	20	1	-	-	1	20	EXISTING		6
7		EXISTING	20	1	-	-	1	20	EXISTING		8
9		EXISTING	20	1	-	-	1	20	EXISTING		10
11		EXISTING	20	1	-	-	1	20	EXISTING		12
13		EXISTING	20	1	-	-	1	20	EXISTING		14
15		EXISTING	20	1	-	-	1	20	EXISTING		16
17		EXISTING	20	1	-	-	1	20	EXISTING		18

SOLID NEUTRAL NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA): AØ= - BØ= - CØ= -
GROUND BUS GROUND WIRE (G)

PANEL: 208V #1
LOCATION: COOLER ROOM
FEEDER SOURCE: 120/208V TRANSFORMER
VOLTAGE: 208/120V, 225A 3Ø, 4W
ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GND BAR WITH BOLT-ON BREAKERS
22K AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1		SPARE	20	1	-	40060	3	100	AV DISTRIBUTION PANEL		2
3		SPARE	20	1	-						4
5		SPARE	20	1	-						6
7		SPARE	20	1	-	-	2	20	SPARE		8
9		SPARE	20	1	-	-	2	20	SPARE		10
11		SPARE	20	1	-	-	2	20	SPARE		12
13		SPARE	20	1	-	-	2	20	SPARE		14
15		SPARE	20	1	-	-	2	20	SPARE		16
17		SPARE	20	1	-	-	2	20	SPARE		18
19		SPARE	20	1	-	-	2	20	SPARE		20
21		SPARE	20	1	-	-	2	20	SPARE		22
23		SPARE	20	1	-	-	2	20	SPARE		24
25		SPARE	20	1	-	-	1	20	SPARE		26
27		SPARE	20	1	-	-	1	20	SPARE		28
29		SPARE	20	1	-	-	1	20	SPARE		30
31		SPARE	20	1	-	-	1	20	SPACE		32
33		SPACE	20	1	-	-	1	20	SPACE		34
35		SPACE	20	1	-	-	1	20	SPACE		36
37		SPACE	20	1	-	-	1	20	SPACE		38
39		SPACE	20	1	-	-	1	20	SPACE		40
41		SPACE	20	1	-	-	1	20	SPACE		42

SOLID NEUTRAL NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA): AØ= 13,353 BØ= 13,353 CØ= 13,353
GROUND BUS GROUND WIRE (G)

PANEL: 208V #2 (FUTURE)
LOCATION: COOLER ROOM
FEEDER SOURCE: 120/208V TRANSFORMER
VOLTAGE: 208/120V, 225A 3Ø, 4W
ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GND BAR WITH BOLT-ON BREAKERS
22K AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1		SPARE	20	1	-	-	2	20	SPARE		2
3		SPARE	20	1	-	-	2	20	SPARE		4
5		SPARE	20	1	-	-	1	20	SPARE		6
7		SPARE	20	1	-	-	1	20	SPARE		8
9		SPARE	20	1	-	-	1	20	SPARE		10
11		SPARE	20	1	-	-	1	20	SPACE		12
13		SPARE	20	1	-	-	1	20	SPACE		14
15		SPARE	20	1	-	-	1	20	SPACE		16
17		SPARE	20	1	-	-	1	20	SPACE		18
19		SPARE	20	1	-	-	2	20	SPARE		20
21		SPARE	20	1	-	-	2	20	SPARE		22
23		SPARE	20	1	-	-	2	20	SPARE		24
25		SPARE	20	1	-	-	1	20	SPARE		26
27		SPARE	20	1	-	-	1	20	SPARE		28
29		SPARE	20	1	-	-	1	20	SPARE		30
31		SPARE	20	1	-	-	1	20	SPACE		32
33		SPACE	20	1	-	-	1	20	SPACE		34
35		SPACE	20	1	-	-	1	20	SPACE		36
37		SPACE	20	1	-	-	1	20	SPACE		38
39		SPACE	20	1	-	-	1	20	SPACE		40
41		SPACE	20	1	-	-	1	20	SPACE		42

SOLID NEUTRAL NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA): AØ= BØ= CØ=
GROUND BUS GROUND WIRE (G)

PANEL: AV DISTRIBUTION
LOCATION: WEST WALL, WORSHIP CENTER
FEEDER SOURCE: 120/208V TRANSFORMER
VOLTAGE: 208/120V, 150A 3Ø, 4W; WITH 100 MAIN BRKR
ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GND BAR WITH BOLT-ON BREAKERS
22K AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1		DIMMER PANEL	30	3	38460	400	1	20	WORSHIP CENTER RM. 113 QUAD RECEPT. (ISOL. GROUND)		2
3						400	1	20	WORSHIP CENTER RM. 113 QUAD RECEPT. (ISOL. GROUND)		4
5						400	1	20	BACKSTAGE RM. 133 QUAD RECEPT (ISOLATED GROUND)		6
7		BACKSTAGE RM. 133 QUAD RECEPT (ISOLATED GROUND)	20	1	400		2	20	SPARE		8
9		SPARE		1	-		2	20	SPARE		10
11		SPARE	20	1	-		2	20	SPARE		12
13		SPARE	20	1	-		2	20	SPARE		14
15		SPARE	20	1	-		2	20	SPARE		16
17		SPARE	20	1	-		2	20	SPARE		18
19		SPARE	20	1	-		2	20	SPARE		20
21		SPARE	20	1	-		2	20	SPARE		22
23		SPARE	20	1	-		2	20	SPARE		24
25		SPARE	20	1	-		1	20	SPARE		26
27		SPARE	20	1	-		1	20	SPARE		28
29		SPARE	20	1	-		1	20	SPARE		30
31		SPARE	20	1	-		1	20	SPACE		32
33		SPACE	20	1	-		1	20	SPACE		34
35		SPACE	20	1	-		1	20	SPACE		36
37		SPACE	20	1	-		1	20	SPACE		38
39		SPACE	20	1	-		1	20	SPACE		40
41		SPACE	20	1	-		1	20	SPACE		42

SOLID NEUTRAL NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA): AØ= 13,220 BØ= 13,220 CØ= 13,220
GROUND BUS GROUND WIRE (G)

PANEL: PP #1
LOCATION: COOLER ROOM
FEEDER SOURCE: 120/208V TRANSFORMER
VOLTAGE: 208/120V, 150A 3Ø, 4W
ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GND BAR WITH BOLT-ON BREAKERS
22K AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1		EXISTING	-	2	-	-	2	-	EXISTING		2
3											4
5		EXISTING	-	2	-	-	2	-	EXISTING		6
7											8
9		EXISTING	-	1	-	-	1	-	EXISTING		10
11		SPARE	20	1	-	-	2	-	EXISTING		12
13		SPARE	20	1	-	-	2	20	SPARE		14
15		SPARE	20	1	-	-	2	20	SPARE		16
17		SPARE	20	1	-	-	2	20	SPARE		18
19		SPARE	20	1	-	-	2	20	SPARE		20
21		SPARE	20	1	-	-	2	20	SPARE		22
23		SPARE	20	1	-	-	2	20	SPARE		24
25		SPARE	20	1	-	-	1	20	SPARE		26
27		SPARE	20	1	-	-	1	20	SPARE		28
29		SPARE	20	1	-	-	1	20	SPARE		30
31		SPARE	20	1	-	-	1	20	SPACE		32
33		SPACE	20	1	-	-	1	20	SPACE		34
35		SPACE	20	1	-	-	1	20	SPACE		36
37		SPACE	20	1	-	-	1	20	SPACE		38
39		SPACE	20	1	-	-	1	20	SPACE		40
41		SPACE	20	1	-	-	1	20	SPACE		42

SOLID NEUTRAL NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA): AØ= - BØ= - CØ= -
GROUND BUS GROUND WIRE (G)

PANEL: 208V #4
LOCATION: ELECTRICAL MEZZANINE
FEEDER SOURCE: 120/208V TRANSFORMER
VOLTAGE: 208/120V, 225A 3Ø, 4W
ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GND BAR WITH BOLT-ON BREAKERS
22K AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1		SPARE	100	2		6200	2	100	PANEL PL3 (ZONE 3)	2 #3 1 #8	2
3											4
5		SPARE	100	2		11200	2	100	PANEL PL4 (ZONE 4)	2 #3 1 #8	6
7											8
9		SPARE	20	1	-	-	1	20	SPARE	2 #12 1 #12	10
11		SPARE	20	1	-	-	2	20	SPARE		12
13		SPARE	20	1	-	-	2	20	SPARE		14
15		SPARE	20	1	-	-	2	20	SPARE		16
17		SPARE	20	1	-	-	2	20	SPARE		18

SOLID NEUTRAL NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA): AØ= 8700 BØ= 8700
GROUND BUS GROUND WIRE (G)

PANEL: 208V #5
LOCATION: ELECTRICAL MEZZANINE
FEEDER SOURCE: 120/208V TRANSFORMER
VOLTAGE: 208/120V, 225A 3Ø, 4W
ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GND BAR WITH BOLT-ON BREAKERS
22K AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1	2 #3 1 #8	PANEL PL1 (ZONE 1)	100	2	14,400		2	100	SPARE		2
3											4
5	2 #3 1 #8	PANEL PL2 (ZONE 2)	100	2	18000		2	100	SPARE		6
7											8
9		SPARE	20	1	-	-	1	20	SPARE		10
11		SPARE	20	1	-	-	1	20	SPARE		12
13		SPARE	20	1	-	-	1	20	SPARE		14
15		SPARE	20	1	-	-	1	20	SPARE		16
17		SPARE	20	1	-	-	1	20	SPARE		18

SOLID NEUTRAL NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA): AØ= 51300 BØ= 25100 CØ= 26700
GROUND BUS GROUND WIRE (G)

PANEL: PL1 (ZONE 1)
LOCATION: NORTHEAST CORNER, BACKSTAGE, ROOM 133
FEEDER SOURCE: DISTRIBUTION, PANEL "A" (MSB)
VOLTAGE: 240/120V, 225A 1Ø, 3W; WITH 100 AMP MAIN
ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GND BAR
SQUARE D TYPE QO LOAD CENTER OR EQUAL
22K AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1	2 #12 1 #12	WORSHIP CENTER RM. 113 RECEPT.	20	1	1400	1400	1	20	WORSHIP CENTER RM. 113 RECEPT.	2 #12 1 #12	2
3	2 #12 1 #12	WORSHIP CENTER RM. 113 RECEPT.	20	1	1400	1400	1	20	BACKSTAGE RM. 133 RECEPT.	2 #12 1 #12	4
5	2 #12 1 #12	JANITOR RM. 117 GFI RECEPT.	20	1	200		1	20	SPARE		6
7		SPARE	20	1	-		1	20	SPARE		8
9		SPARE	20	1	-	800	1	20	RESTROOM RM. 131 GFI RECEPT.	2 #12 1 #12	10
11	2 #12 1 #12	WORSHIP CENTER RM. 113 CEILING FANS	20	1	900	800	1	20	VESTIBULE RM. 136 RECEPT.	2 #12 1 #12	12
13	2 #12 1 #12	RESTROOM RM. 131 LIGHT	20	1	100	1400	1	20	YOUTH WORSHIP RM. 114 RECEPT.	2 #12 1 #12	14
15	2 #12 1 #12	BACKSTAGE RM. 133 LIGHTS	20	1	900	900	1	20	WORSHIP CENTER RM. 113 CEILING FANS	2 #12 1 #12	16
17	2 #12 1 #12	YOUTH CENTER RM. 114 LIGHTS	20	1	1000	300	1	20	VESTIBULE, RM. 116 JANITOR RM. 117 LIGHTS	2 #12 1 #12	18
19	2 #12 1 #12	EXTERIOR WALL SCONCE LIGHTS	20	1	200	900	1	20	EXIT/ EMERGENCY LIGHTS	2 #12 1 #12	20
21	2 #12 1 #12	SMOKE DETECTORS	20	1	900	100	1	20	NIGHT LIGHTS	2 #12 1 #12	22
23		SPARE	20	1	-		1	20	SPARE		24
25		SPARE	20	1	-		1	20	SPARE		26
27		SPARE	20	1	-		1	20	SPARE		28
29		SPARE	20	1	-		1	20	SPARE		30
31		SPARE	20	1	-		1	20	SPARE		32
33		SPARE	20	1	-		1	20	SPARE		34
35		SPACE	20	1	-		1	20	SPACE		36
37		SPACE	20	1	-		1	20	SPACE		38
39		SPACE	20	1	-		1	20	SPACE		40
41		SPACE	20	1	-		1	20	SPACE		42

SOLID NEUTRAL NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA): AØ= 7,000 BØ= 7,400
GROUND BUS GROUND WIRE (G)

PANEL: PL2 (ZONE 2)
LOCATION:
FEEDER SOURCE: DISTRIBUTION, PANEL "A" (MSB)
VOLTAGE: 240/120V, 225A 1Ø, 3W; WITH 100 AMP MAIN
ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GND BAR
SQUARE D TYPE QO LOAD CENTER OR EQUAL
22K AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1	2 #12 1 #12	CORRIDOR RM. 138, 139 RECEPT.	20	1	1200	1200	1	20	CORRIDOR RM. 138 RECEPT.	2 #12 1 #12	2
3	2 #12 1 #12	CLASSROOM RM. 123 RECEPT.	20	1	1000	1000	1	20	CLASSROOM RM. 124 RECEPT.	2 #12 1 #12	4
5	2 #12 1 #12	CLASSROOM RM. 125, VESTIBULE RM. 134 RECEPT.	20	1	1200	1200	1	20	CLASSROOM RM. 126 RECEPT.	2 #12 1 #12	6
7	2 #12 1 #12	CLASSROOM RM. 121, VESTIBULE RM. 135 RECEPT.	20	1	1200	1000	1	20	CLASSROOM RM. 122 RECEPT.	2 #12 1 #12	8
9	2 #12 1 #12	CLASSROOM RM. 119, VESTIBULE RM. 136 RECEPT.	20	1	1200	1000	1	20	CLASSROOM RM. 120 RECEPT.	2 #12 1 #12	10
11	2 #12 1 #12	CORRIDOR RM. 138, 139 LIGHTS	20	1	600	700	1	20	CORRIDOR RM. 138 LIGHTS	2 #12 1 #12	12
13	2 #12 1 #12	CORRIDOR RM. 138 LIGHTS	20	1	500	400	1	20	CLASSROOM RM. 123 LIGHTS	2 #12 1 #12	14
15	2 #12 1 #12	CLASSROOM RM. 124 LIGHTS	20	1	400	400	1	20	CLASSROOM RM. 125 LIGHTS	2 #12 1 #12	16
17	2 #12 1 #12	CLASSROOM RM. 126 LIGHTS	20	1	400	400	1	20	CLASSROOM RM. 119 LIGHTS	2 #12 1 #12	18
19	2 #12 1 #12	CLASSROOM RM. 120 LIGHTS	20	1	400	700	1	20	NIGHT LIGHTS (ALWAYS ON)	2 #12 1 #12	20
21	2 #12 1 #12	EXIT/ EMERGENCY LIGHTS	20	1	1300	500	1	20	SMOKE DETECTORS	2 #12 1 #12	22
23	2 #12 1 #12	EXTERIOR WALL SCONCE LIGHT	20	1	100		1	20	SPARE		24
25		SPARE	20	1	-		1	20	SPARE		26
27		SPARE	20	1			1	20	SPARE		28
29		SPARE	20	1			1	20	SPARE		30
31		SPARE	20	1			1	20	SPACE		32
33		SPACE	20	1			1	20	SPACE		34
35		SPACE	20	1			1	20	SPACE		36
37		SPACE	20	1			1	20	SPACE		38
39		SPACE	20	1			1	20	SPACE		40
41		SPACE	20	1			1	20	SPACE		42

SOLID NEUTRAL NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA): AØ= 10,500 BØ= 7,500
GROUND BUS GROUND WIRE (G)

PANEL: PL3 (ZONE 3)
LOCATION:
FEEDER SOURCE: DISTRIBUTION, PANEL "A" (MSB)
VOLTAGE: 240/120V, 225A 1Ø, 3W; WITH 100 AMP MAIN
ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GND BAR
SQUARE D TYPE QO LOAD CENTER OR EQUAL
22K AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1	2 #12 1 #12	CORRIDOR RM. 138 RECEPTACLES	20	1	300	1200	1	20	CHILDREN'S WORSHIP RM. 115 PLATFORM AREA RECEPT.	2 #12 1 #12	2
3	2 #12 1 #12	CHILDREN'S WORSHIP RM. 115 RECEPT.	20	1	1000	1000	1	20	CLASSROOM RM. 129 RECEPT.	2 #12 1 #12	4
5	2 #12 1 #12	CLASSROOM RM. 130 RECEPT.	20	1	600	200	1	20	CORRIDOR RM. 138 LIGHTS	2 #12 1 #12	6
7	2 #12 1 #12	NIGHT LIGHTS (ALWAYS ON)	20	1	100	300	1	20	CLASSROOM RM. 129 LIGHTS	2 #12 1 #12	8
9	2 #12 1 #12	CLASSROOM RM. 130 LIGHTS	20	1	300	700	1	20	EXIT/ EMERGENCY LIGHTS	2 #12 1 #12	10
11	2 #12 1 #12	SMOKE DETECTORS	20	1	500		1	20	SPARE		12
13		SPARE	20	1			1	20	SPARE		14
15		SPARE	20	1			1	20	SPARE		16
17		SPARE	20	1			1	20	SPARE		18
19		SPARE	20	1			1	20	SPARE		20
21		SPARE	20	1	-		1	20	SPARE		22
23		SPARE	20	1	-		1	20	SPARE		24
25		SPARE	20	1			1	20	SPARE		26
27		SPACE	20	1			1	20	SPACE		28
29		SPACE	20	1			1	20	SPACE		30
31		SPACE	20	1			1	20	SPACE		32
33		SPACE	20	1			1	20	SPACE		34
35		SPACE	20	1			1	20	SPACE		36
37		SPACE	20	1			1	20	SPACE		38
39		SPACE	20	1			1	20	SPACE		40
41		SPACE	20	1			1	20	SPACE		42

SOLID NEUTRAL NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA): AØ= 3,300 BØ= 2,800
GROUND BUS GROUND WIRE (G)

367234
REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER
ARCHITECT, CBO

PANEL: PL4 (ZONE 4)
LOCATION:
FEEDER SOURCE: DISTRIBUTION, PANEL "A" (MSB)
VOLTAGE: 240/120V, 225A 1Ø, 3W; WITH 100 AMP MAIN
ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GND BAR
SQUARE D TYPE QO LOAD CENTER OR EQUAL
22K AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1	2 #12 1 #12	COFFEE SHOP RM. 101 BACK ROOM RECEPTACLES	20	1	800	800	1	20	COFFEE SHOP RM. 101 RECEPT.	2 #12 1 #12	2
3	2 #12 1 #12	WELCOME CENTER RM. 126 RECEPT.	20	1	1000	600	1	20	WELCOME CENTER RM. 126 RECEPT.	2 #12 1 #12	4
5	2 #12 1 #12	MENS RESTROOM RM. 102 GFI RECEPT.	20	1	200	200	1	20	WOMENS RESTROOM RM. 103 GFI RECEPT.	2 #12 1 #12	6
7	2 #12 1 #12	WOMENS RESTROOM RM. 103 GFI RECEPT.	20	1	200	200	1	20	MENS RESTROOM RM. 102 GFI RECEPT.	2 #12 1 #12	8
9	2 #12 1 #12	RESTROOM RM. 137 GFI RECEPT.	20	1	800	600	1	20	CLASSROOM RM. RECEPT.	2 #12 1 #12	10
11	2 #12 1 #12	CLASSROOM RM. RECEPT.	20	1	600	400	1	20	CLASSROOM RM. RECEPT.	2 #12 1 #12	12
13	2 #12 1 #12	CLASSROOM RM. RECEPT.	20	1	600	1200	1	20	CLASSROOM RM. RECEPT.	2 #12 1 #12	14
15	2 #12 1 #12	EXHAUST FAN EF-1	20	1	1000	200	1	20	EMERGENCY EXIT LIGHTS	2 #12 1 #12	16
17	2 #12 1 #12	CLASSROOM RM. LIGHTS	20	1	1200	1200	1	20	CLASSROOM RM. LIGHTS	2 #12 1 #12	18
19		SPARE	20	1		-	1	20	SPARE		20
21		SPARE	20	1		-	1	20	SPARE		22
23		SPARE	20	1		-	1	20	SPARE		24
25		SPARE	20	1		-	1	20	SPARE		26
27		SPARE	20	1		-	1	20	SPARE		28
29		SPARE	20	1		-	1	20	SPARE		30
31		SPACE	20	1		-	1	20	SPACE		32
33		SPACE	20	1		-	1	20	SPACE		34
35		SPACE	20	1		-	1	20	SPACE		36
37		SPACE	20	1		-	1	20	SPACE		38
39		SPACE	20	1		-	1	20	SPACE		40
41		SPACE	20	1		-	1	20	SPACE		42

SOLID NEUTRAL NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA): AØ= 7,000 BØ= 4,200
GROUND BUS GROUND WIRE (G)

DAMMON
ENGINEERING, INC.

CHIEF ENGINEER
EMMETT
DAMMON, P.E.

CHIEF ARCHITECT
ROBERT
WILTSE

1095 FLORIDA AVENUE
SLIDELL, LA. 70458
OFFICE: 985-649-5832
FAX: 985-641-5950

WEBSITE:
WWW.DAMMONENGINEERING.COM

EMAIL:
DAMMONENG@BELLSOUTH.NET

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KENSINGTON DR.
SLIDELL, LA

PANEL
SCHEDULES

Robert Wiltse

REV:03-23-09
SCALE: AS NOTED
JOB#: 1988
DATE: 09-30-08
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