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HT #367
FALLS OF THE NEUSE
RALEIGH, NC

9/6/11

PROJECT ENGINEER
M.T.
JOB NO.
11127
DR. BY:
L.R.

REVISIONS
No. _____ Date _____
No. _____ Date _____
No. _____ Date _____
No. _____ Date _____
No. _____ Date _____
No. _____ Date _____
No. _____ Date _____
No. _____ Date _____
No. _____ Date _____

DRAWING NAME
PANEL SCHEDULES

SHEET NO.
E3.1
ISSUE DATE: 09.05.11

EXISTING SWITCHBOARD MDP

SERVICE: 480/277V, 3-PH, 4W
BUSES: 1800A MAIN CIRCUIT BREAKER
TYPE: CIRCUIT BREAKER
S.C. RATING: 65K A.I.C.
MANUFACTURER: CUTLER-HAMMER

NOTES:
1. EXISTING CIRCUIT TO REMAIN.

UNIT	LOAD SERVED	PROTECTION			WIRE & CONDUIT	REMARKS
		POLE	FRAME	TRIP		
1	MAIN BREAKER	3	800	800	SEE RISER DIAGRAM	EXISTING
2	COMPRESSOR RACK "A"	3	200	175	SEE RISER DIAGRAM	EXISTING
3	COMPRESSOR RACK "B"	3	200	175	SEE RISER DIAGRAM	EXISTING
4	COMPRESSOR RACK "C"	3	200	175	SEE RISER DIAGRAM	EXISTING
5	PANEL "HW"	3	400	400	SEE RISER DIAGRAM	EXISTING
6	PANEL "LPA"	3	225	225	SEE RISER DIAGRAM	EXISTING
7	SPACE ONLY	3	-	-	-	-
8	ATS-1	3	100	100	SEE RISER DIAGRAM	EXISTING
9	ATS-2	3	200	200	SEE RISER DIAGRAM	EXISTING
10	SPACE ONLY	3	-	-	-	-
11	SPACE ONLY	3	-	-	-	-
12	SPACE ONLY	3	-	-	-	-

EXISTING SWITCHBOARD SDPA

SERVICE: 208/120V, 3-PH, 4W
BUSES: 800A MAIN CIRCUIT BREAKER COPPER
TYPE: CIRCUIT BREAKER
S.C. RATING: 65K A.I.C.
MANUFACTURER: CUTLER-HAMMER

NOTES:
1. WITH EQUIPMENT GROUND BUS.

UNIT	LOAD SERVED	PROTECTION			WIRE & CONDUIT	REMARKS
		POLE	FRAME	TRIP		
1	MAIN BREAKER	3	800	800	SEE RISER DIAGRAM	EXISTING
2	BALER	3	100	60	EXISTING	EXISTING
3	COMPACTOR	3	100	60	EXISTING	EXISTING
4	COFFEE BAR	3	225	225	SEE RISER DIAGRAM	EXISTING
5	PANEL "PPA"	3	225	225	SEE RISER DIAGRAM	EXISTING
6	PANEL "RPA"	3	225	225	SEE RISER DIAGRAM	EXISTING
7	PANEL "DPA"	3	225	225	SEE RISER DIAGRAM	EXISTING
8	SPACE ONLY	3	100	100	-	-
9	SPACE ONLY	3	225	225	-	-
10	SPACE ONLY	3	-	-	-	-
11	SPACE ONLY	3	-	-	-	-
12	SPACE ONLY	3	-	-	-	-

EXISTING PANEL A

SUPPLY: 208/120V, 3-PH, 4W
MAINS: 175A MAIN CIRCUIT BREAKER
INTERRUPT RATING: 10K
MOUNTING: SURFACE
TYPE: BRANCH CIRCUIT
BUS MATERIAL: COPPER
MANUFACTURER: CUTLER-HAMMER

(LEFT SECTION)

DESCRIPTION	TRIP	POLE	WIRE	CCT	PHASE LOAD SUMMARY			CCT	WIRE	POLE	TRIP	DESCRIPTION		
					PHASE A	PHASE B	PHASE C							
(1) CHECKOUT STAND	20	1	E	1	1.0	1.0		2	E	1	20	DSD TIME CLOCK		
(1) CHECKOUT STAND	20	1	E	3		1.0	1.0		4	E	1	20	CONSTAR	
(1) CHECKOUT STAND	20	1	E	5			1.0	1.0		6	E	1	20	ATM
(1) CHECKOUT STAND	20	1	E	7	1.0	1.0			8	E	1	20	REMOTE ANNUNCIATOR	
(1) CHECKOUT STAND	20	1	E	9		1.0	1.0		10	E	1	20	FLORAL REFRIG	
(1) CHECKOUT STAND	20	1	E	11			1.0	0.5	12	E	1	20	FLORAL SCALE	
(1) CHECKOUT STAND	20	1	E	13	1.0	0.4			14	E	1	20	DELI SCALE	
(1) CHECKOUT STAND	20	1	E	15		1.0	0.4		16	E	1	20	DELI SCALE	
(1) CHECKOUT STAND	20	1	E	17		1.0	0.4		18	E	1	20	DELI SCALE	
(1) CPC FAS	20	1	E	19	1.0	0.4			20	E	1	20	DELI SCALE	
(1) MEAT/SEAFOOD SCALE	20	1	E	21		0.4	0.4		22	E	1	20	DELI SCALE	
(1) USCAN	20	1	E	23			1.0	0.4	24	E	1	20	DELI SCALE	
(1) USCAN	20	1	E	25	1.0	0.4			26	E	1	20	DELI SCALE	
(1) USCAN	20	1	E	27		1.0	0.4		28	E	1	20	PRODUCE SCALE	
(1) USCAN	20	1	E	29			1.0	0.5	30	E	1	20	REC-DBT	
(1) USCAN	20	1	E	31	1.0	0.4			32	E	1	20	CUST SERV SCANNER	
(1) MEAT/SEAFOOD SCALE	20	1	E	33		0.4	0.4		34	E	1	20	CUST SERV SCANNER	
(1) REC-PHARMACY	20	1	E	35			0.5	1.0	36	E	1	20	REC-ACCOUNTING	
(1) REC-PHARMACY	20	1	E	37	0.5	1.0			38	E	1	20	SAFE	
(1) REC-PHARMACY	20	1	E	39		0.5	0.5		40	E	1	20	REC-DSD OFFICE	
(1) PHARMACY MODEM	20	1	E	41			0.5	0.5	42	E	1	20	REC-DSD OFFICE	

REQUIREMENTS:
1. EXISTING CIRCUIT TO REMAIN.

EXISTING PANEL A

SUPPLY: 208/120V, 3-PH, 4W
MAINS: 400A MAIN LUG ONLY
INTERRUPT RATING: 10K
MOUNTING: SURFACE
TYPE: BRANCH CIRCUIT
BUS MATERIAL: COPPER
MANUFACTURER: CUTLER-HAMMER

(RIGHT SECTION)

DESCRIPTION	TRIP	POLE	WIRE	CCT	PHASE LOAD SUMMARY			CCT	WIRE	POLE	TRIP	DESCRIPTION	
					PHASE A	PHASE B	PHASE C						
(1) REC-STORE MNGR	20	1	E	43	0.5	0.5		44	E	1	20	STORE MANAGER TV	
(1) REC-STORE MNGR	20	1	E	45		1.0	0.5		46	E	1	20	STORE MANAGER TV
(1) REC-DEPT MNGR	20	1	E	47			0.5	0.2	48	E	1	20	TELEPHONE BACKBD
(1) REC-DEPT MNGR	20	1	E	49	0.5	1.0			50	E	1	20	TIME CLOCK
(1) REC-DEPT MNGR	20	1	E	51		0.5	1.0		52	E	1	20	LCL REFRIGERATOR
(1) REC-DEPT MNGR	20	1	E	53			0.5	1.0	54	E	1	20	EMPLOY LOUNGE REFRIG
(1) REC-BEER/WINE	20	1	E	55	0.2	0.4			56	E	1	20	MEAT/SEAFOOD SCALE
(1) REC-BEER/WINE	20	1	E	57		0.2	0.4		58	E	1	20	MEAT/SEAFOOD SCALE
(1) TELEPHONE BACKBD	20	1	E	59		0.4	0.4		60	E	1	20	MEAT/SEAFOOD SCALE
(1) REC-CONF ROOM	20	1	E	61	0.2	0.2			62	E	1	20	REC-DELI CASE
(1) TVSS	20	1	E	63		0.1	0.2		64	E	1	20	REC-DELI CASE
(1) J.A. DRY SPRINKLER	20	1	E	65		0.9	0.2		66	E	1	20	REC-DELI CASE
(1) REC-FLGRAL	20	1	E	67	0.2	0.2			68	E	1	20	REC-STORE MNGR
(1) DELI/BAKERY	20	1	E	69		0.4	1.0		70	E	1	20	F.A.C.P.
(1) REC-STORE MNGR	20	1	E	71			1.0	1.0	72	E	1	20	DSD CCTV
(1) REC-STORE MNGR	20	1	E	73	0.2	0.5			74	E	2	20	CPC SYSTEM
(1) CAMERA STORE MNGR	20	1	E	75		0.2	0.5		76	-	-	-	
(1) MONEY GRAM	20	1	E	77			0.5	0.4	78	E	1	20	REGISTER-COFFEE
(1) HOME SHOP FREEZER	20	1	E	79	1.0	0.1			80	E	1	20	BK400 CPC CONT
(1) WIZAK RACK	20	1	E	81		0.2	0.2		82	E	1	20	PHARMACY GRILLE
SPARE	20	1	-	83			0.0	1.0	84	E	1	20	HOME SHOP REFRIG

TOTAL KVA PER PHASE
DIVERSIFIED KVA PER PHASE
DIVERSIFIED TOTAL KVA
MAXIMUM AMPS HEAVIEST PHASE
REQUIREMENTS:
1. EXISTING CIRCUIT TO REMAIN.

EXISTING PANEL B

SUPPLY: 480/277V, 3-PH, 4W
MAINS: 90A MAIN CIRCUIT BREAKER
INTERRUPT RATING: 10K
MOUNTING: SURFACE
TYPE: BRANCH CIRCUIT
BUS MATERIAL: COPPER
MANUFACTURER: CUTLER-HAMMER

(RIGHT SECTION)

DESCRIPTION	TRIP	POLE	WIRE	CCT	PHASE LOAD SUMMARY			CCT	WIRE	POLE	TRIP	DESCRIPTION	
					PHASE A	PHASE B	PHASE C						
(1) REC-BEV CHECKOUT	20	1	E	43	0.2	0.2		44	12	1	20	REC-PHARM CUST UNIT	
(1) REC-BEV CHECKOUT	20	1	E	45		0.2	0.2		46	12	1	20	REC-PHARM A/V MATRIX
(1) REC-BEV CHECKOUT	20	1	E	47			0.2	1.2	48	12	1	20	REC-PHARM PNEUMATIC
(1) REC-BEV CHECKOUT	20	1	E	49	0.2	1.2			50	12	1	20	REC-PHARM PNEUMATIC
(1) REC-VENDING	20	1	E	51		0.2	0.1		52	12	1	20	PHARM OPEN/CLOSE SIGN
(1) REC-VENDING	20	1	E	53		0.2	0.2	0.4	54	12	1	20	PHARM SIGN
(1) USCAN	20	1	E	55	0.2	0.2			56	12	1	20	LIT-PHARM CANOPY
(1) CCTV MONITOR	20	1	E	57		0.5	0.0		58	-	-	-	
(1) BAG ICE	20	1	E	59			1.0	0.0	60	-	-	-	
(1) REC-OUTDOOR	20	1	E	61	0.6	0.0			62	-	-	-	
(1) REC-CONFERENCE	20	1	E	63		0.6	0.0		64	-	-	-	
(1) REC-VESTIBULE	20	1	E	65			0.2	0.0	66	-	-	-	
(1) REC-OUTDOOR	20	1	E	67	0.2	0.0			68	-	-	-	
(1) REC-CUST SERV	20	1	E	69		0.8	0.0		70	-	-	-	
(1) REC-MOVING CART	20	1	E	71			0.7	0.0	72	-	-	-	
(1) REC-MOVING CART	20	1	E	73	0.7	0.0			74	-	-	-	
(1) HVAC CONTACTOR	20	1	E	75		0.2	0.0		76	-	-	-	
(1) DRY SPRINKLER COMP	20	1	E	77			0.9	0.0	78	-	-	-	
SPARE	20	1	-	79	0.0	0.0			80	-	-	-	
SPARE	20	1	-	81		0.0	0.0		82	-	-	-	
SPARE	20	1	-	83			0.0	0.0	84	-	-	-	

TOTAL KVA PER PHASE
DIVERSIFIED KVA PER PHASE
DIVERSIFIED TOTAL KVA
MAXIMUM AMPS HEAVIEST PHASE
REQUIREMENTS:
1. EXISTING CIRCUIT TO REMAIN.
2. EXISTING SPARE CIRCUIT BREAKER TO BE USED WITH NEW LOAD AS SHOWN.

EXISTING PANEL X

SUPPLY: 480/277V, 3-PH, 4W
MAINS: 90A MAIN CIRCUIT BREAKER
INTERRUPT RATING: 10K
MOUNTING: SURFACE
TYPE: BRANCH CIRCUIT
BUS MATERIAL: COPPER
MANUFACTURER: CUTLER-HAMMER

(RIGHT SECTION)

DESCRIPTION	TRIP	POLE	WIRE	CCT	PHASE LOAD SUMMARY			CCT	WIRE	POLE	TRIP	DESCRIPTION
					PHASE A	PHASE B	PHASE C					
(1) LIT-SALES	20	1	E	1	1.0	1.5		2	E	2	20	LIT-SALES
(1) LIT-SALES	20	1	E	3		1.0	1.5		4	-	-	-
(1) LIT-VESTIBULE	20	1	E									