

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

LIGHTING FIXTURE SCHEDULE					
MARK	LAMPS	VOLTAGE	MANUFACTURER AND CATALOG NO.	MOUNTING	NOTES
A	LED	277	LUMINAIRE VPF8 4 56WHP 3900 277 CP WHT OR EQUAL BY HUBBELL, COOPER LIGHTING. OR LITHONIA.	SURFACE	
B	LED	277	LUMINAIRE VPF4 4 28WHP 4000K 277 CP WHT OR EQUAL BY HUBBELL, COOPER LIGHTING. OR LITHONIA.	SURFACE	
CE	LED	277	LUMINAIRE #TSL9 2 28WHP 3900K O/F 277 CP WHT NO OR EQUAL BY HUBBELL, COOPER LIGHTING. OR LITHONIA.	SURFACE	
D	LED	277	LUMINAIRE VPF4 4 28WHP 4000K 277 CP WHT OR EQUAL BY HUBBELL, COOPER LIGHTING. OR DAYBRITE.	SURFACE	
FE	LED	120/277	GARDGO 121-EM WT 50LA NW UNV BRP PCB OR EQUAL BY HUBBELL, COOPER LIGHTING. OR LITHONIA.	WALL	
G	LED	120/277	DAYBRITE V2 W A B 51L840 4 UNV OR EQUAL BY HUBBELL, COOPER LIGHTING. OR DAYBRITE.	SURFACE	
H	LED	120/277	GARDGO SFC-5W-90LA-NW-UNIV-NP-JB-DL OR EQUAL BY HUBBELL, COOPER LIGHTING. OR DAYBRITE.	SURFACE	
J	LED	120/277	DAYBRITE DL C 43L840 4 D UNV OR EQUAL BY HUBBELL, COOPER LIGHTING. OR LITHONIA.	GRID	
JE	LED	120/277	DAYBRITE DL G 43L840 4 D UNV EMLED16 OR EQUAL BY HUBBELL, COOPER LIGHTING. OR LITHONIA.	GRID	
X1	LED	DUAL	CHLORIDE ER46LUR OR EQUAL BY HUBBELL, COOPER LIGHTING. OR LITHONIA.	UNIVERSAL	
X2	TUNGSTEN	DUAL	CHLORIDE 2M50 W J218 ZIC BY HUBBELL, COOPER LIGHTING. OR LITHONIA.	UNIVERSAL	

NEW PANEL P2 SCHEDULE																							
250 AMP BUS				200 AMP MCB				480Y/277 VOLTS				3PH, 4W, SN				MIN. 14 KAC				SURFACE MOUNTED			
CKT. NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	COND SIZE	WIRE SIZE	COND SIZE	WIRE SIZE	LOAD DESCRIPTION	CKT. NO.							
1	BooLse Washer	1-1/4"	3/8 #10c	40	27.0	7.5	A	6.6	23.9	70	3/4	1	3/4	1	PANEL 12 FED VIA XFMR 74 XF-42 (45 KVA)	2							
3					27.0	7.5	B	5.7	20.5			#8c				4							
5					27.0	7.5	C	7.2	26.1							8							
7	DRYER #3	1-1/4"	3/8 #10c	60	27.0	7.5	A	1.1	4.0	15	3/12	3/4	3/4	3/4	Small Piece Folder #3	4							
9					27.0	7.5	B	1.1	4.0			#12c				10							
11					27.0	7.5	C	1.1	4.0							12							
13	ELEVATOR	1"	3/8 #10c	40	27.0	7.5	A	1.1	4.0	15	3/12	3/4	3/4	3/4	Small Piece Folder #4	14							
15					27.0	7.5	B	1.1	4.0			#12c				16							
17					27.0	7.5	C	1.1	4.0							18							
19	VACUUM UNITS	3/4"	3/12 #12c	20	4.6	1.3	A	1.5	5.4	15					SPARE	20							
21					4.6	1.3	B									22							
23					4.6	1.3	C									24							
25	BUSSED SPACE						A	3.7	13.2	20	3/12	3/4	3/4	3/4	1st Floor New Lighting	26							
27	BUSSED SPACE						B	2.8	10.1	20	3/12	3/4	3/4	3/4	2nd Floor Lighting	28							
29	BUSSED SPACE						C	0.8	2.7	20	3/12	3/4	3/4	3/4	Crawl Space Lighting	30							
31	BUSSED SPACE						A	2.2	7.8	20	3/12	3/4	3/4	3/4	1st Fl. Wash Area Lighting	32							
33	BUSSED SPACE						B	0.3	1.2	20	3/12	3/4	3/4	3/4	Stair Lighting	34							
35	BUSSED SPACE						C	0.5	1.8	20	3/12	3/4	3/4	3/4	DOCK LIGHTING	36							
37	BUSSED SPACE						A	1.5	5.4	20	3/12	3/4	3/4	3/4	SPRINKLER HEAT TRACE	38							
39	BUSSED SPACE						B			20					SPARE	40							
41	BUSSED SPACE						C			20					SPARE	42							
TOTAL AMPS (CONN. LOAD)				A: 143.9				B: 125.4				C: 124.2											
TOTAL AMPS (FEEDTHRU)				A: 143.9				B: 125.4				C: 124.2											
TOTAL AMPS (CONN. LOAD + FEED-THRU)				A: 143.9				B: 125.4				C: 124.2											
PANELBOARD OPTIONS:								PANELBOARD NOTES:															

NEW PANEL L2 SCHEDULE																							
225 AMP BUS				150 AMP MCB				208Y/120 VOLTS				3PH, 4W, SN				MIN. 10 KAIC				SURFACE MOUNTED			
CKT. NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	COND SIZE	WIRE SIZE	COND SIZE	WIRE SIZE	COND SIZE	WIRE SIZE	LOAD DESCRIPTION	CKT. NO.					
1	SCALE	3/4"	#12	20	12.0	1.4	A	1.1	9.0	20	3/12	3/4	3/4	3/4	3/4	3/4	ENC - 2NF FLOOR	2					
3	EXTERIOR RECEPTACLES	3/4"	#12	20	4.5	0.5	B	1.4	12.0	20	3/12	3/4	3/4	3/4	3/4	3/4	ICE MACHINE	4					
5	ADDITION RECEPTACLES	3/4"	#12	20	9.0	1.1	C	1.4	12.0	20	3/12	3/4	3/4	3/4	3/4	3/4	SMALL APP. CKT	6					
7	ELEV. MACH RM RECEPTACLES	3/4"	#12	20	1.5	0.2	A	1.1	9.0	20	3/12	3/4	3/4	3/4	3/4	3/4	SMALL APP. CKT	8					
9	MACH. RM RECEPTACLES 2ND FLOOR	3/4"	#12	20	6.0	0.7	B	1.1	9.0	20	3/12	3/4	3/4	3/4	3/4	3/4	BREAK AREA FRIDGE	10					
11	2ND FLOOR RECEPTACLES	3/4"	#12	20	6.0	0.7	C	1.1	9.0	20	3/12	3/4	3/4	3/4	3/4	3/4	BREAK AREA FRIDGE	12					
13	TOILET RECEPTACLES	3/4"	#12	20	3.0	0.4	A	1.1	9.0	20	3/12	3/4	3/4	3/4	3/4	3/4	TV RECEPTACLE	14					
15	LIGHTS AHU-4	3/4"	#12	20	8.3	1.0	B	0.4	3.3	20	3/12	3/4	3/4	3/4	3/4	3/4	FC-1	16					
17	LIGHTS AHU-5	3/4"	#12	20	8.3	1.0	C	1.4	11.7	20	3/12	3/4	3/4	3/4	3/4	3/4	EF-7	18					
19	SPARE						A	1.4	11.7	20	3/12	3/4	3/4	3/4	3/4	3/4	12G	20					
21	SPARE						B	0.5	4.2	20	3/12	3/4	3/4	3/4	3/4	3/4	EF-8	22					
23	SPARE						C	0.5	4.2	20	3/12	3/4	3/4	3/4	3/4	3/4	ENC. CONTROL PANEL	24					
25	SPARE						A			20	3/12	3/4	3/4	3/4	3/4	3/4	SPARE	26					
27	SPARE						B			20	3/12	3/4	3/4	3/4	3/4	3/4	SPARE	28					
29	SPARE						C			20	3/12	3/4	3/4	3/4	3/4	3/4	SPARE	30					
31	SPARE						A			20	3/12	3/4	3/4	3/4	3/4	3/4	SPARE	32					
33	SPARE						B			20	3/12	3/4	3/4	3/4	3/4	3/4	SPARE	34					
35	SPARE						C			20	3/12	3/4	3/4	3/4	3/4	3/4	SPARE	36					
37	SPARE						A			20	3/12	3/4	3/4	3/4	3/4	3/4	SPARE	38					
39	SPARE						B			20	3/12	3/4	3/4	3/4	3/4	3/4	SPARE	40					
41	SPARE						C			20	3/12	3/4	3/4	3/4	3/4	3/4	SPARE	42					
TOTAL AMPS (CONN. LOAD)				A: 55.2				B: 47.3				C: 60.2											
TOTAL AMPS (FEEDTHRU)				A: 55.2				B: 47.3				C: 60.2											
TOTAL AMPS (CONN. LOAD + FEED-THRU)				A: 55.2				B: 47.3				C: 60.2											
PANELBOARD OPTIONS:								PANELBOARD NOTES:															

NEW PANEL P3 SCHEDULE																							
250 AMP BUS				200 AMP MCB				480Y/277 VOLTS				3PH, 4W, SN				MIN. 14 KAC				SURFACE MOUNTED			
CKT. NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	COND SIZE	WIRE SIZE	COND SIZE	WIRE SIZE	COND SIZE	WIRE SIZE	LOAD DESCRIPTION	CKT. NO.					
1	400 Lbs WASHER	1"	3/8 #10G	40	27.0	7.5	A	11.9	42.9	60	3/8 1-1/4"	3/8 1-1/4"	1-1/4"	3/8 1-1/4"	1-1/4"	3/8 1-1/4"	DRYER #4	2					
3					27.0	7.5	B	11.9	42.9			#10G						4					
5					27.0	7.5	C	11.9	42.9									6					
7	DOCK LEVELER	3/4"	3/12 #12G	20	12.0	3.3	A	1.6	7.6	20	3/4"	3/12 #12G	3/4"	AHU-5				8					
9					12.0	3.3	B	1.6	7.6									10					
11					12.0	3.3	C	1.6	7.6									12					
13	AHU-4	3/4"	3/10 #10G	30	1.1	21.0	A											14					
15					1.1	21.0	B											16					
17					1.1	21.0	C											18					
19	BUSSED SPACE						A										BUSSED SPACE	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: 90.6				B: 90.6				C: 90.6											
TOTAL AMPS (FEEDTHRU)				A: 90.6				B: 90.6				C: 90.6											
TOTAL AMPS (CONN. LOAD + FEED-THRU)				A: 90.6				B: 90.6				C: 90.6											
PANELBOARD OPTIONS:								PANELBOARD NOTES:															

NEW WORK KEYED NOTES: (THIS SHEET ONLY)

- PROVIDE NEW 200A/3P 480V BREAKER IN EXISTING SPARE BUSKET FOR CONNECTION TO NEW PANEL. COORDINATE EXACT MAKE AND TYPE BREAKER WITH MOTOR CONTROL CENTER MANUFACTURER PRIOR TO ORDERING BREAKER.
- EXISTING PANELS AND EQUIPMENT TO REMAIN.
- EXISTING BRANCH BREAKER AND LOAD TO REMAIN.
- EXISTING CONDUIT AND CONDUCTORS TO REMAIN.
- INSTALL 2 SETS OF 4#350 KCMIL; IN 3" PVC COATED GALVANIZED RIGID CONDUIT.
- INSTALL 4#4/0; IN 2-1/2" PVC COATED GALVANIZED RIGID CONDUIT.
- INSTALL 2 SETS OF 4#350 KCMIL;#10; 3" C.
- INSTALL NEW 600A MLO KIT IN PLACE OF THE EXISTING MAIN BREAKER. COORDINATE EXACT REQUIREMENTS WITH MCC MANUFACTURER PRIOR TO ROUGH-IN AND INSTALLATION. PROVIDE A NEW FULL LENGTH NEUTRAL AND GROUND BUS FOR ENTIRE MCC AND RELOCATE ALL NEUTRAL AND GROUND CONDUCTORS TO NEW BARS.
- NEW 600A/3P SERVICE RATED NEMA 3R SWITCH WITH 600A FUSES. REFER TO NEW WORK POWER PLANS FOR EXACT LOCATION.
- NEW BREAKERS SHALL BE INSTALLED IN SEPARATE MCC SECTIONS.
- EXISTING FUSED SWITCH TO REMAIN. PROVIDE SERVICE ENTRANCE BONDING JUMPER.
- PROVIDE GROUNDING PER SPECIFICATIONS.
- DURING NEW WORK ON SERVICE, TRANSFORMER SHALL HAVE PRIMARY DISCONNECTED AND BE LIFTED FROM CURRENT POSITION SO THAT THE EARTH CAN BE RE-LEVELLED AND COMPACTED TO FIX SINKING TRANSFORMER ISSUE. PROTECT PRIMARY TRANSFORMERS AND CONDUCTORS DURING EARTH WORK. PROVIDE A NEW PAD ONCE EARTH WORK HAS BEEN ACCOMPLISHED AND RELOCATE TRANSFORMER TO NEW PAD. RECONNECT EXISTING PRIMARY CABLES AS NECESSARY.

DEMOLITION NOTES: (THIS SHEET ONLY)

- EXISTING TRANSFORMER TO REMAIN. DISCONNECT THE EXISTING SECONDARY FEEDERS SERVING 74-MCC1 AND BLDG 6 MRI ATS AND REMOVE CONDUIT AND CONDUCTORS AS SHOWN. REMOVE ANTS AND TREAT WITH INSECTICIDE.
- EXISTING CONDUIT AND CONDUCTORS TO BE DISCONNECTED AND REMOVED.
- EXISTING PULL/SPLICE BOX TO BE REMOVED.
- EXISTING CONDUIT FROM SWITCHGEAR TO SPLICE BOX TO BE DISCONNECTED AND REMOVED. ROUTE NEW FEEDER PRIOR TO REMOVAL OF EXISTING.
- EXISTING CONDUIT AND CONDUCTORS FROM SPLICE BOX TO EXTERIOR WALL MOUNTED DISCONNECT SWITCH TO BE DISCONNECTED AND REMOVED. ROUTE NEW FEEDER PRIOR TO REMOVAL OF EXISTING.
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