

### Lighting Panel: K

Location: MECH 019  
Supply From:  
Branch: Normal  
Mounting: Surface

Volts: 120/208 Wye  
Phases: 3  
Wires: 4  
Available SCC (kA): 42000

Rating: 600 A  
Mains Type: MCB  
Panel Poles: 126  
Sections: 3

Ckt	Circuit Description	Opt	Trip	Poles	A	B	C	Poles	Trip	Opt	Circuit Description	Ckt
1	Power - Convenience Mech 019	G	20 A	1	540 VA	1980 VA					Power - Convenience Room 020....	2
3	Power - Convenience Room 020....	G	20 A	1		1440 VA	1080 VA				Power - Convenience Room 017....	4
5	Power - Convenience Room 029....	G	20 A	1			1080 VA	1404 VA				6
7	Power Cooler 031	G	20 A	1	492 VA	1404 VA					Power	8
9	Lighting Receiving 028	G	20 A	1		684 VA	1404 VA					10
11												12
13	Power		20 A	3	1944 VA	905 VA					Power Freezer 032	14
15						1944 VA	408 VA					16
17	Lighting Cook 027	G	20 A	1			968 VA	984 VA			Power Cook 027	18
19	Power Prep 025	G	20 A	1	1440 VA	360 VA					Power Cook 027	20
21	Power Prep 025	G	20 A	1		2000 VA	0 VA				Shunt Trip Space	22
23	Power Cook 027	G/S	20 A	1			360 VA	275 VA			Lighting Entry 017	24
25	Shunt Trip Space	--	--	--	0 VA	3480 VA						26
27						5316 VA	3480 VA				Power Cook 027	28
29	Power Cook 027	S	60 A	3			5316 VA	3480 VA				30
31					5316 VA	0 VA					Shunt Trip Space	32
33	Power Prep 025	G	20 A	1		1200 VA	1224 VA				Power Cook 027	34
35							672 VA	1032 VA			Power Prep 025	36
37	Power Cook 027		20 A	3	672 VA	984 VA					Power Prep 025	38
39						672 VA	1440 VA				Power Prep 025	40
41	Power Prep 025	G	20 A	1			1440 VA	600 VA			Power Prep 025	42
43	Power Wash 030	G	20 A	1	600 VA	14640 VA						44
45						1800 VA	14640 VA				Booster Heater	46
47	Power Dry Storage 029		20 A	3			1800 VA	14640 VA				48
49						1800 VA	396 VA					50
51							1692 VA	396 VA			Power Wash 030	52
53	Power Receiving 028		20 A	3			1692 VA	396 VA				54
55						1692 VA	1692 VA					56
57						2004 VA	1692 VA				Other	58
59	Other Mech 019		20 A	3			2004 VA	1692 VA				60
61					2004 VA	364 VA					Lighting	62
63						2568 VA	2568 VA					64
65	Other		30 A	3	2568 VA	2568 VA					Other	66
67							2568 VA	2568 VA				68
69	Power	G	20 A	1		300 VA	8000 VA				Power Staff 018	70
71							288 VA	180 VA			Power Receiving 028	72
73	Hvac		20 A	3	288 VA	360 VA					Power Cook 027	74
75						288 VA	360 VA				Power Cook 027	76
77	Power Cook 027		20 A	1			540 VA	216 VA				78
79	Other Cust 026		20 A	1	192 VA	216 VA					Other Receiving 028	80
81	Hvac		20 A	1		120 VA	1716 VA					82
83							792 VA	1716 VA			Other	84
85	Hvac		20 A	3	792 VA	792 VA					Hvac	86
87						792 VA	792 VA					88
89	Hvac		15 A	2	0 VA	2000 VA					Power Cook 027	92
91							598 VA	1440 VA			Power Cook 027	94
93	Lighting Mech 019	G	20 A	1								96
95	Spare	--	20 A	1				0 VA	0 VA		Spare	98
97	Spare	--	20 A	1	0 VA	0 VA					Spare	100
99	Spare	--	20 A	1			0 VA	0 VA			Spare	102
101	Spare	--	20 A	1			0 VA	0 VA			Spare	104
103	Spare	--	20 A	1	0 VA	0 VA					Spare	106
105	Spare	--	20 A	1			0 VA	0 VA			Spare	108
107								0 VA				110
109												112
111												114
113												116
115												118
117												120
119												122
121												124
123												126
125												128
<b>Total Load:</b>					52481 VA	64058 VA	52344 VA					
<b>Total Amps:</b>					438 A	534 A	436 A					

#### Lighting Panel Remarks:

- Provide subfeed breakers:

#### General Lighting Panel Notes:

- Panel AIC (Interrupting) Rating shall be minimum 120% of the available SCC (Short Circuit Current).
- Circuit Breaker Options: 'S' or 'ST' - Provide Shunt Trip Circuit Breaker / 'G' or 'GFCI' - Provide GFCI Circuit Breaker / 'GFP' - Provide GFP Circuit Breaker.

### Lighting Panel: BQA

Location: CUST 026  
Supply From:  
Branch: Equipment  
Mounting: Surface

Volts: 480/277 Wye  
Phases: 3  
Wires: 4  
Available SCC (kA): 10,000

Rating: 30 A  
Mains Type: MCB  
Panel Poles: 18  
Sections: 1

Ckt	Circuit Description	Opt	Trip	Poles	A	B	C	Poles	Trip	Opt	Circuit Description	Ckt
1					552 VA	552 VA					Power - Convenience Room 020....	2
3	Hvac		20 A	3		552 VA	552 VA				Power - Convenience Room 017....	4
5							552 VA	552 VA				6
7	BQB		20 A	2	100 VA	552 VA	0 VA	552 VA			Hvac	8
9								552 VA				10
11												12
13												14
15												16
17												18
<b>Total Load:</b>					1756 VA	1656 VA	1656 VA					
<b>Total Amps:</b>					6 A	6 A	6 A					

#### Lighting Panel Remarks:

#### General Lighting Panel Notes:

- Panel AIC (Interrupting) Rating shall be minimum 120% of the available SCC (Short Circuit Current).
- Circuit Breaker Options: 'S' or 'ST' - Provide Shunt Trip Circuit Breaker / 'G' or 'GFCI' - Provide GFCI Circuit Breaker / 'GFP' - Provide GFP Circuit Breaker.

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DO NOT SCALE DRAWING. ALL DIMENSIONS AND CLEARANCES SHALL BE VERIFIED FROM APPROPRIATE SOURCES. ALL WORK SHALL BE COORDINATED PRIOR TO INSTALLATION. SEE SPECIFICATIONS.



SES PROJECT # 12205

INSTALL GREEN INSULATED GROUND WIRE WITH LIGHTING, RECEPTACLE AND EQUIPMENT BRANCH CIRCUITS.

INSTALL INDIVIDUAL (DEDICATED) NEUTRAL CONDUCTORS FOR EACH 120V OR 277V PHASE CONDUCTOR SERVED FROM A SINGLE POLE CIRCUIT BREAKER

## LRC BUILDING #10 KITCHEN

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MACCHIETTO  
ARCHITECTURE  
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Omaha, NE 68102  
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alleypoyner.com

#### CONSULTANTS

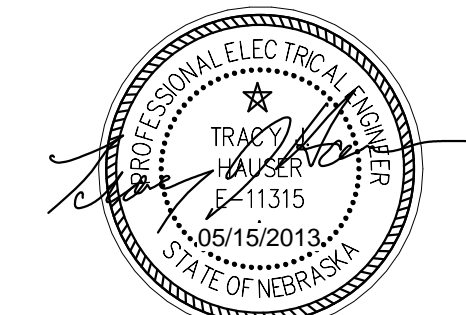
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1 Addendum #1 05-28-2013  
REVISION DATE

PROJECT NUMBER: 12166

DATE: 05/15/2013

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ELECTRICAL SCHEDULES AND DETAILS

# E3.3

#### LIGHTING FIXTURE SCHEDULE

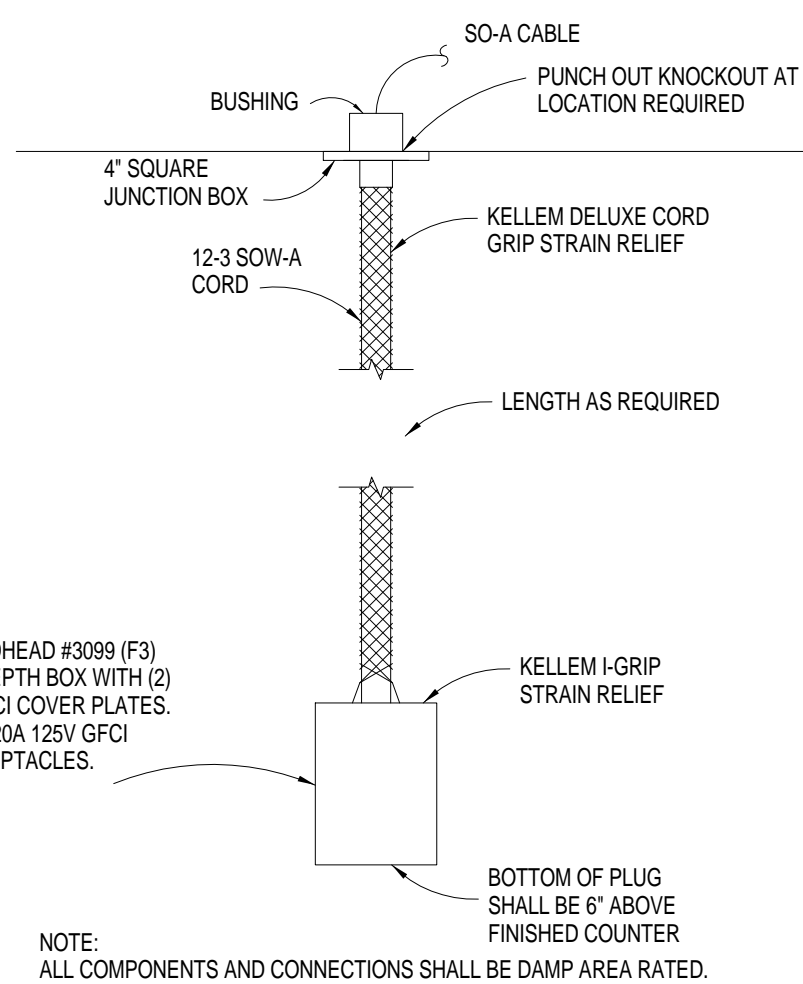
FIXTURE NO.	MANUFACTURER	SUBS	CATALOG NO. (NOTE A)	LAMP	VOLTS	INPUT WATTS	MOUNTING	DESCRIPTION	REMARKS
A1	LITHONIA	Y	2SP8 3 32 A12125 1/3 ADDE	3 - 32W T8	120 V	88 W	RECESSED	2'x4' LENSED TROFFER	
A2	LITHONIA	Y	2AL8 2 32	2 - 32W T8	120 V	46 W	RECESSED	2'x4' DIRECT/INDIRECT	
A3	LITHONIA	Y	DMW 232 120 GEB10IS MS18	2 - 32W T8	120 V	48 W	SURFACE	1'x4 WET LOCATION	
D1	GOTHAM	Y	EVO 35/14 6AR MVOLT	LED	120 V	25 W	RECESSED	6" DOWNLIGHT - 1400 LUMEN	
P1	RAB LIGHTING	Y	PLED78	LED	120 V	91 W	PENDANT	LED PENDANT	
S1	LITHONIA	Y	C232 MVOLT GEB10ISWGCUN NST	2-32W T8	120 V	46 W	CHAIN	STRIP LIGHT	
W1	TECH	Y	700BCLYNN-W-S-LED	LED	120 V	20 W	SURFACE	VANITY	
X1	LITHONIA	Y	LE S W 2 R 120/277	LED	120 V	30 W	UNIVERSAL	DOUBLE FACE EXIT	

#### KEY NOTES:

- WALL MOUNTING - COORDINATE EXACT MOUNTING LOCATION WITH ARCHITECT AND ARCHITECTURAL DETAILS.
- COVE - COORDINATE EXACT QUANTITIES WITH ARCHITECTURAL DETAILS TO PROVIDE CONTINUOUS ILLUMINATION FOR ENTIRE LENGTH OF COVE.
- PENDANT/SUSPENSION MOUNTING - COORDINATE EXACT LOCATION, MOUNTING ELEVATION, AND REQUIRED PENDANT/SUSPENSION LENGTH WITH ARCHITECT AND ARCHITECTURAL DETAILS.
- EXIT SIGNS - REFER TO ELECTRICAL PLANS FOR DIRECTION INDICATORS AND MOUNTING TYPE.
- HEIGHT POLE MOUNT - PROVIDE HEIGHT (STEEL/ALUMINUM), (STRAIGHT/TAPERED), (ROUND/SQUARE) POLE WITH FINISH TO MATCH FIXTURE. PROVIDE HEIGHT POLE BASE PER DETAIL (a) ON SHEET (a).

#### GENERAL NOTES:

- CATALOG NUMBER VERIFICATION - CONTRACTOR SHALL VERIFY LIGHTING FIXTURE INSTALLATION REQUIREMENTS AND CATALOG NUMBER PRIOR TO ORDERING.
- SUBSTITUTIONS - WHERE INDICATED WITH 'N' (NO), NO SUBSTITUTIONS WILL BE ACCEPTED. WHERE INDICATED WITH 'P' (PRIOR APPROVAL), SUBSTITUTIONS MUST BE APPROVED PRIOR TO BID WITH ACCEPTANCE ISSUED BY ADDENDUM. WHERE INDICATED WITH 'Y' (YES), THE FOLLOWING MANUFACTURERS ARE CONSIDERED EQUIVALENT MANUFACTURERS, PROVIDED THE EQUIVALENT FIXTURE IS OF THE SAME QUALITY, EFFICIENCY, PERFORMANCE AND CHARACTERISTICS AS THAT SCHEDULED:  
1. ACUITY BRANDS  
2. COOPER  
3. HUBBELL  
4. WILLIAMS  
SEE PROJECT SPECIFICATIONS FOR SPECIFIC MANUFACTURER/MODEL EQUIVALENCY OF COMMONLY USED LIGHTING FIXTURE TYPES. ABSENCE OF A SELECTION INDICATES THAT PRIOR APPROVALS ARE REQUIRED.
- FIXTURE NUMBER SUFFIX 'M' (SEE PLANS) - PROVIDE FIXTURE WITH TWO BALLASTS AND CONNECT TO PROVIDE UNIFORM MULTI-LEVEL LIGHTING CONTROL.
- FIXTURE NUMBER SUFFIX 'D' (SEE PLANS) - PROVIDE FIXTURE WITH DIMMING BALLAST (LINEAR FLUORESCENT - 1% DIM, COMPACT FLUORESCENT - 1% DIM), COORDINATE BALLAST AND DIMMER COMPATIBILITY.
- FIXTURE NUMBER SUFFIX 'F' (SEE PLANS) - PROVIDE FIXTURE WITH GYPSUM BOARD FLANGE MOUNTING IN LIEU OF ACOUSTICAL GRID MOUNTING.
- FIXTURE NUMBER SUFFIX 'B' (SEE PLANS) - PROVIDE FIXTURE WITH INTEGRAL 90 MINUTE BATTERY BALLAST WITH SELF-DIAGNOSTICS TO ILLUMINATE A MINIMUM OF ONE LAMP WITH A TOTAL OUTPUT OF 1400 LUMENS. CONNECT BATTERY SENSING SOURCE INPUT TO UNSWITCHED PORTION OF LOCAL LIGHTING BRANCH CIRCUIT. UNDER NORMAL OPERATION, FIXTURE SHALL BE CONTROLLED (ON/OFF) SIMILAR TO OTHER ROOM LIGHTING FIXTURES UNLESS NOTED FOR 24-HOUR ILLUMINATION.
- DOWNLIGHT CEILING TRIM FINISH/COLOR SELECTION: PROVIDE DOWNLIGHT REFLECTOR FINISH/COLOR AS SPECIFIED IN THE LIGHTING FIXTURE SCHEDULE. SELECT CEILING TRIM FINISH/COLOR TO COORDINATE WITH CEILING TYPE. "WHITE" TRIM FOR DOWNLIGHTS MOUNTED IN WHITE ACOUSTICAL TILE CEILINGS. "CLEAR" (TO MATCH REFLECTOR FINISH/COLOR) FOR DOWNLIGHTS MOUNTED IN PAINTED GYPSUM BOARD CEILINGS.
- ZONE OCCUPANCY SENSOR. INDICATED ZONE # (Z#) SHALL CONTROL CORRESPONDING LIGHTING ZONE INDICATED. (TYPICAL)
- COVE - DRAWINGS PROVIDE GENERAL ILLUSTRATION OF COVE LAYOUT. COORDINATE EXACT UNIT LENGTHS AND QUANTITIES WITH ARCHITECTURAL DETAILS TO PROVIDE CONTINUOUS ILLUMINATION FOR ENTIRE LENGTH OF COVE. LED COVE LIGHTING FIXTURES SHALL BE INSTALLED END-TO-END (NO GAP BETWEEN FIXTURES) WITH A MAXIMUM 6" GAP AT COVE ENDS AND CORNERS. STAGGERED LINEAR FLUORESCENT COVE LIGHTING FIXTURES SHALL BE INSTALLED EVENLY SPACED (WHILE MAINTAINING LAMP OVERLAP) WITHOUT GAPS AT COVE ENDS AND CORNERS. SELECT UNIT LENGTHS AND QUANTITIES TO ACHIEVE THE ABOVE REQUIRED PERFORMANCE (SHORTER UNIT LENGTHS IN GREATER QUANTITIES MAY BE REQUIRED).
- TRACK - PROVIDE SINGLE-CIRCUIT TRACK SYSTEM WITH ALL NECESSARY COMPONENTS FOR A COMPLETE INSTALLATION, INCLUDING, BUT NOT LIMITED TO, POWER FEEDS, STAND OFFS, CONNECTORS, END CAPS, AND TRANSFORMERS. TRACK AND ACCESSORY FINISH SHALL MATCH FINISH OF SPECIFIED TRACK HEAD. PROVIDE TRACK LENGTHS AND TRACK HEAD QUANTITIES PER PLANS. COORDINATE TRACK TYPE FOR COMPATIBILITY WITH SPECIFIED TRACK HEAD FIXTURE. PROVIDE REMOTE TRANSFORMER QUANTITIES AND SIZES TO ACCOMMODATE LOAD OF TRACK HEADS INDICATED. PROVIDE POWER FEEDS AND TRACK CONNECTORS AS NEEDED TO PROVIDE TRACK LENGTH INDICATED. MOUNT REMOTE TRANSFORMER ABOVE NEAREST ACCESSIBLE CEILING. COORDINATE LENGTH OF STANDOFFS AND POWER FEEDS AND EXACT SHAPE OF CURVED TRACKS WITH ARCHITECT.



### 3 Drop Cord

E3.3 SCALE: 1/8" = 1'-0"

### 1 Communications or CATV Outlet

E3.3 SCALE: NOT TO SCALE

