LUMINAIRE SCHEDULE

LEGEND	TYPE	DESCRIPTION	MFR	CATALOG SERIES NUMBER SEE NOTE 1	MOUNTING	VOLTS	WATTS	LUMENS	TYPE	KEY NOTES
	R1	2X2 HIGH PERFORMANCE TROFFER	METALUX	22CZ-LD5-24 WITH SMOOTH FROSTED LENS	RECESSED	277	19.6	2519	LED ARRAY 3500K	6
	R2	2X4 HIGH PERFORMANCE TROFFER	METALUX	24CZ-LD5-45 WITH SMOOTH FROSTED LENS	RECESSED	277	35.7	4558	LED ARRAY 3500K	6
	P1	LINEAR PENDANT, CONVERGE	NEO-RAY	S920DIP-W-1-DD-W	PENDANT 7'-6" AFF UNO	277	18.7 /4FT	2150 /4FT	LED ARRAY 3500K	7, 9
	W1	EXTERIOR WALL PACK WITH INTEGRAL PHOTOCELL	NCGRAW EDISON	GWC-AF-SL3-BZ-P	WALL 12'-0" AFG	277	34	4188	LED ARRAY 4000K	
		EXIT LIGHT	SURE-LITES	CX6 SERIES WITH RED LETTERS AND WHITE FACE	NOTE 3	277	1.04	PER CODE	LED ARRAY	3
		EMERGENCY LIGHTING UNIT	SURE-LITES	SEL-25	7'-6" UNO	277	0.64	109/ HEAD	LED ARRAY	

NOTES

1. **NOTE THAT THESE NUMBERS ARE NOT COMPLETE CATALOG NUMBERS. PROVIDE ALL REQUIREMENTS ON SCHEDULE, NOTES, SPECS, AND DRAWINGS COMBINED.**
2. **CATALOG SERIES NUMBERS ARE USED TO ESTABLISH A LEVEL OF QUALITY AND NOT INTENDED TO LIMIT COMPETITION. SERIES NUMBERS ARE NOT COMPLETE CATALOG NUMBERS. COMPLY WITH ADDITIONAL REQUIREMENTS IN SPECIFICATIONS AND DRAWINGS.**
3. PROVIDE WALL,CEILING, OR PENDANT MOUNTING AS INDICATED ON PLANS. PROVIDE NUMBER OF FACES AND ARROWS AS INDICATED.
4. PROVIDE ENERGY STAR FIXTURE
5. VERIFY CEILING STRUCTURE AND MOUNTING HEIGHT PRIOR TO ORDERING ANY LIGHT FIXTURES.
6. FIXTURE SHALL BE DLC PREMIUM LISTED
7. PROVIDE LENGTHS AND SHAPES AS SHOWN ON PLANS
8. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLORS
9. 8' MINIMUM LENGTH SHALL BE USED.

ELECTRICAL SCHEDULE OF MECHANICAL EQUIPMENT

TAG	DESCRIPTION	VOLTS	PH	LOAD	FLA	MCA	MOPD	DISCONNECT SWITCH FRAME	DISCONNECT SWITCH POLES	DISCONNECT SWITCH FUSE	DISCONNECT SWITCH NEMA ENCL	FBD	STARTER (NEMA) SIZE/ VFD	STARTER (NEMA) FBD	CBD	PANEL	WIRING IN CONDUIT	NOTES
CU-1	CONDENSING UNIT	208	1	--	28.9	28.9	40	60	2	40	3R	26	-	-	23	ASX	(2)#8, (1)#10G, 1"C	
HP-1	HEAT PUMP	208	1	--	1	1	-	-	-	-	-	-	-	-	23	-	BY DIV 23	3
HP-2	HEAT PUMP	208	1	--	1	1	-	-	-	-	-	-	-	-	23	-	BY DIV 23	3
CUH-1	UNIT HEATER	120	1	135 W	2	-	-	FWE				23	-	-	23	ASX	(2)#12, (1)#12G, 3/4"C	
CUH-2	UNIT HEATER	120	1	70 W	1	-	-	FWE				23	-	-	23	ASX	(2)#12, (1)#12G, 3/4"C	
CUH-3	UNIT HEATER	120	1	70 W	1	-	-	FWE				23	-	-	23	ASX	(2)#12, (1)#12G, 3/4"C	
ERU-1	ENERGY RECOVERY UNIT	208	1	-	9.6	10.8	-	FWE				23	-	-	23	ASX	(2)#12, (1)#12G, 3/4"C	
ERU-2	ENERGY RECOVERY UNIT	120	1	-	1.5	-	-	-	-	-	-	-	-	-	23	ASX	(2)#12, (1)#12G, 3/4"C	6
DC-1	ELECTRIC DUCT HEATING COIL	480	3	8.6 kW	10.3	-	-	FWE				23	-	-	23	ASL	(3)#12, (1)#12G, 3/4"C	7
DC-2	ELECTRIC DUCT HEATING COIL	208	3	1.4 KW	3.9	-	-	FWE				23	-	-	23	ASX	(3)#12, (1)#12G, 3/4"C	

NOTES:

1. LEAD/LAG.
2. DUCT SMOKE DETECTORS FURNISHED BY DIVISION 26, INSTALLED BY DIVISION 23, WIRED TO FIRE ALARM BY DIVISION 26.
3. POWER TO CU BY DIVISION 26, WIRING BETWEEN AC AND CU PROVIDED BY DIVISION 23.
4. WIRE AND CONNECT MOTORIZED DAMPER AT EXHAUST FAN. CONNECT DAMPER TO SAME BRANCH CIRCUIT THAT SUPPLIES FAN.
5. UNIT IS CONSISTS OF MULTIPLE MOTORS FACTORY WIRED FOR SINGLE-POINT POWER CONNECTION.
6. CORD AND PLUG FURNISHED WITH EQUIPMENT, PROVIDE NEMA 5-20 RECEPTACLE.
7. PROVIDE GE TYPE TED 3P, 15A CB AT AVAILABLE SPACE IN (E) PANEL ASL. PROVIDE BUSS CONNECTORS AS REQUIRED.

ABBREVIATIONS:

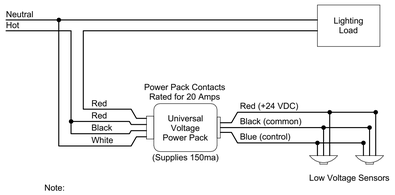
FWE	FURNISHED WITH EQUIPMENT
NF	NOT FUSED
SWBD	SWITCHBOARD
FBD	FURNISHED BY DIVISION
CBD	CONTROL WIRING BY DIVISION

PANEL SCHEDULE ~ ASX

VOLTAGE: 208/120V | MCB: 100A | AIC: 10KA

3-PHASE, 4-WIRE

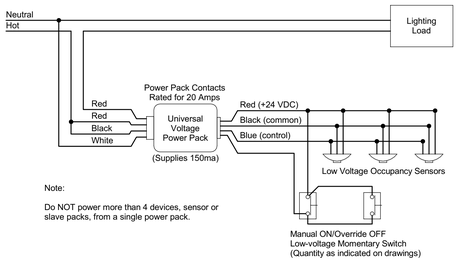
CIRCUIT BREAKER CKT NO	BRKR SIZE	NO OF POLES	PH	CIRCUIT LOAD (KVA) CONNECTED A	B	C	BRANCH CIRCUIT DESCRIPTION
1	20	1	A	0.90			REC: STAIRL1, VESTL1, STAIRL2, VESTL2, FIRST FL LOBBY
3	20	1	B		1.08		REC: R100 NORTH, EAST, & WEST WALLS
5	20	1	C			1.08	REC: R100 SOUTH & EAST WALL
7	20	1	A	0.90			REC: R100A, R022
9	20	1	B		0.54		REC: R200 WALLS
11	20	1	C			0.36	REC: R200 CEILING
13	20	1	A	0.36			REC: R200 CEILING
15	20	1	B		0.36		REC: R200 CEILING
17	20	1	C			0.54	REC: CORR1, CORR2
19	20	1	A	1.08			REC: R250B
21	20	1	B		1.08		REC: R250C
23	20	2	C			1.00	ENERGY RECOVERY UNIT ERU-1
25			A	1.00			
27	20	1	B		0.18		ENERGY RECOVERY UNIT ERU-2
29	20	3	C			0.46	DC-1 ELECTRIC DUCT HEATING COIL
31			A	0.46			
33			B		0.46		
35	20	1	C			0.00	SPARE
37	20	1	A	0.00			SPARE
39	20	1	B		0.00		SPARE
41	20	1	C			0.00	SPARE
			SUBTOTAL	4.70	3.70	3.44	
2	40	2	A	3.01			CONDENSING UNIT CU-1
4			B		3.01		
6	20	1	C			0.24	UNIT HEATER CUH-1
8	20	1	A	0.12			UNIT HEATER CUH-2
10	20	1	B		0.12		UNIT HEATER CUH-3
12	20	1	C			1.08	REC: R202, R231
14	20	1	A	0.90			REC: R202, R231
16	20	1	B		0.36		REC: R200 CEILING
18	20	1	C			0.00	FUTURE ELECTRIFIED DOOR HARDWARE
20	20	1	A	0.90			REC: R250D
22	20	1	B		0.90		REC: R250D
24	20	1	C			0.36	REC: R200 CEILING
26	20	1	A	0.00			SPARE
28	20	1	B		0.00		SPARE
30	20	1	C			0.00	SPARE
32	20	1	A	0.00			SPARE
34	20	1	B		0.00		SPARE
36	20	1	C			0.00	SPARE
38	20	1	A	0.00			SPARE
40	20	1	B		0.00		SPARE
42	20	1	C			0.00	SPARE
			SUBTOTAL	4.93	4.39	1.68	



Note:

Do NOT power more than 4 devices, sensor or slave packs, from a single power pack.

B6 LIGHTING CONTROL DETAIL - NOTE 5



Note:

Do NOT power more than 4 devices, sensor or slave packs, from a single power pack.

A6 LIGHTING CONTROL DETAIL - NOTE 6

PDT ARCHITECTS
49 DARTMOUTH STREET
PORTLAND, MAINE
04101
207-775-1059
www.pdtarchs.com

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Allied Engineering
Structural Mechanical Electrical Commissioning
160 Veranda Street
Portland, Maine 04103
T: 207.221.2260
F: 207.221.2266
Web: www.allied-eng.com

Allied Project No: 17013

CASCO BAY HIGH SCHOOL EXPANSION

196 Allen Avenue
Portland, ME

No.	Date	Description

Revision Schedule

STATE OF MAINE
CATHERINE A. FAUCHER
No. 7575
LICENSED
PROFESSIONAL ENGINEER

JOB NO.
17056

DRWN. DLL | CHK SRM

SCALE:
12" = 1'-0"

ISSUE
ISSUED FOR BID
20 March 2018

TITLE
ELECTRICAL SCHEDULES AND DETAILS

SHEET
E500