

LIGHTING FIXTURE SCHEDULE

TYPE	NO.	LAMP TYPE	MOUNTING	ACCEPTABLE MANUFACTURER AND CATALOG NUMBER	VOLTS	INPUT WATTS	DESCRIPTION	REMARKS
F1		LED	RECESSED GRID	LITHONIA #EPANL 2X4 4000LM 80CRI 35K MIN10 ZT MVOLT	MVOLT	39	RECESSED 2x4 LED FLAT PANEL, 4000 LUMEN PACKAGE, 3500K COLOR TEMPERATURE, 0-10V DIMMABLE TO 10%.	
F1E		LED	RECESSED GRID	LITHONIA #EPANL 2X4 4000LM 80CRI 35K MIN10 ZT MVOLT EL14L	MVOLT	39	SAME AS TYPE "F1" EXCEPT WITH 1400 LUMEN EMERGENCY BATTERY PACK.	
F2		LED	RECESSED	LITHONIA #LDN6 35/20 L06 AR LD MVOLT EZ10	MVOLT	23	6" DIA. RECESSED LED DOWNLIGHT, 3500K COLOR TEMPERATURE, 2000 LUMEN PACKAGE, CLEAR MATTE DIFFUSE REFLECTOR, 0-10V DIMMABLE TO 10%.	
F3		LED	PENDANT	DELRAY #KLP33-3-S-W35-D1-*	MVOLT	39	AIRCRAFT CABLE PENDANT MOUNTED LED FIXTURE, OPAL GLASS SHADE, DIE CAST ALUMINUM HOUSING, 3000 LUMEN PACKAGE, 3500K COLOR TEMPERATURE.	COORDINATE PENDANT LENGTH WITH ARCHITECTURAL ELEVATIONS, AND PROVIDE AS REQUIRED.
		LED	UNIVERSAL	LITHONIA #LQM-S-W-3-R-120/277-ELN-SD	120/ 277	N/A	RED LED EXIT SIGN, THERMOPLASTIC HOUSING, NiCad BATTERY, SINGLE/DOUBLE FACE AS INDICATED ON PLANS, UNIVERSAL MOUNTING.	MOUNTING HEIGHTS MUST BE VERIFIED BY OWNER PRIOR TO INSTALLATION.

FEEDER SCHEDULE

No.	WIRE QTY. + SIZE	CONDUIT	CB
①	2#12 & 1#12G	3/4"	20A 1P
②	2#12 & 1#12G	3/4"	20A 2P
③	3#12 & 1#12G	3/4"	20A 3P
④	3#10 & 1#10G	3/4"	25A 3P
⑤	3#6 & 1#6G	3/4"	20A 3P
⑥	4#1 & 1#6G	1-1/4"	100A 3P (4W)

MOTOR AND EQUIPMENT SCHEDULE

EQUIP. TAG	DESIGNATED TAG	LOCATION	LOAD					FEEDER TYPE	SOURCE OF POWER		PROTECT (AMPERES)	STARTER		DISCONNECT		REMARKS
			VOLTS	PHASE	H.P.	AMP	KVA		PANEL	CCT. NO.		SIZE	TYPE	SIZE	TYPE	
BP 1	INLINE BOOSTER PUMP	EXISTING MECH. 2003	120	1	–	0.5	0.06	①		RECONNECT TO EXISTING CCT.	20A 1P	–	–	20A 1P	THERMAL OVERLOAD	
BP 2	INLINE BOOSTER PUMP	EXISTING MECH. 2002	120	1	–	0.5	0.06	①		RECONNECT TO EXISTING CCT.	20A 1P	–	–	20A 1P	THERMAL OVERLOAD	
BS 1	VRF REFRIGERANT BOX	EXISTING BUILDING	208	1	–	0.4	0.08	②	M	13:15	20A 2P	–	–	20A 2P	TOGGLE	
BS 2	VRF REFRIGERANT BOX	EXISTING BUILDING	208	1	–	0.4	0.08	②	M	13:15	20A 2P	–	–	20A 2P	TOGGLE	
BS 3	VRF REFRIGERANT BOX	EXISTING BUILDING	208	1	–	0.4	0.08	②	M	13:15	20A 2P	–	–	20A 2P	TOGGLE	
BS 4	VRF REFRIGERANT BOX	EXISTING BUILDING	208	1	–	0.4	0.08	②	M	13:15	20A 2P	–	–	20A 2P	TOGGLE	
CU 1	CONDENSING UNIT	ON ROOF	208	3	–	56.0	20.2	⑤	M	8:10:12	70A 3P	–	–		FURNISHED BY MANUFACTURER	
CU 2	CONDENSING UNIT	ON ROOF	208	3	–	56.0	20.2	⑤	M	14:16:18	70A 3P	–	–		FURNISHED BY MANUFACTURER	
EDA 1	ELECTRIC DUCT HEATER	EXISTING MECH. 2003	208	3	–	16.7	6.0	④	L	13:15:17	25A 3P	–	–		FURNISHED BY MANUFACTURER	
EDA 2	ELECTRIC DUCT HEATER	EXISTING MECH. 2002	208	3	–	16.7	6.0	④	L	6:8:10	25A 3P	–	–		FURNISHED BY MANUFACTURER	
EWA 1	ELECTRIC WALL HEATER	EXISTING TOILET 1016C	120	1	–	15.0	1.8	①	M	9	20A 1P	–	–		BUILT-IN DISCONNECT	
EWA 2	ELECTRIC WALL HEATER	EXISTING TOILET 1016B	120	1	–	15.0	1.8	①	M	11	20A 1P	–	–		BUILT-IN DISCONNECT	
VR 1	VARIABLE REFRIGERANT FLOW	EXISTING OFFICE 1015D	208	1	–	0.3	0.06	②	M	13:15	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 2	VARIABLE REFRIGERANT FLOW	EXISTING OFFICE 1015C	208	1	–	0.3	0.06	②	M	13:15	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 3	VARIABLE REFRIGERANT FLOW	EXISTING OFFICE 1015A	208	1	–	0.6	0.12	②	M	13:15	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 4	VARIABLE REFRIGERANT FLOW	CONFERENCE ROOM 1015E	208	1	–	0.6	0.12	②	M	13:15	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 5	VARIABLE REFRIGERANT FLOW	EXISTING CORRIDOR C104	208	1	–	1.8	0.37	②	M	13:15	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 6	VARIABLE REFRIGERANT FLOW	EXISTING CORRIDOR C104	208	1	–	1.8	0.37	②	M	13:15	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 7	VARIABLE REFRIGERANT FLOW	EXISTING WORKROOM 1018A	208	1	–	0.6	0.12	②	M	13:15	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 8	VARIABLE REFRIGERANT FLOW	EXISTING WORKROOM 1018A	208	1	–	0.6	0.12	②	M	13:15	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 9	VARIABLE REFRIGERANT FLOW	ASSISTANT PRINCIPAL OFFICE 2000	208	1	–	0.6	0.12	②	M	21:23	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 10	VARIABLE REFRIGERANT FLOW	RECEPTION 2004	208	1	–	0.6	0.12	②	M	21:23	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 11	VARIABLE REFRIGERANT FLOW	ATHLETIC DIRECTOR OFFICE 2008	208	1	–	0.6	0.12	②	M	21:23	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 12	VARIABLE REFRIGERANT FLOW	RECEPTION 2004	208	1	–	1.8	0.37	②	M	21:23	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 13	VARIABLE REFRIGERANT FLOW	EXISTING OFFICE 1015J	208	1	–	0.6	0.12	②	M	17:19	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 14	VARIABLE REFRIGERANT FLOW	EXISTING NURSE CLINIC 1016	208	1	–	0.6	0.12	②	M	17:19	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 15	VARIABLE REFRIGERANT FLOW	EXISTING NURSE CLINIC 1016	208	1	–	0.6	0.12	②	M	17:19	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 16	VARIABLE REFRIGERANT FLOW	EXISTING CORRIDOR C104	208	1	–	1.8	0.37	②	M	17:19	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 17	VARIABLE REFRIGERANT FLOW	EXISTING CORRIDOR C104	208	1	–	1.8	0.37	②	M	17:19	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 18	VARIABLE REFRIGERANT FLOW	EXISTING OFFICE 1060	208	1	–	0.3	0.06	②	M	17:19	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 19	VARIABLE REFRIGERANT FLOW	EXISTING OFFICE 1060A	208	1	–	0.3	0.06	②	M	17:19	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 20	VARIABLE REFRIGERANT FLOW	PRINCIPAL'S OFFICE 2001	208	1	–	0.6	0.12	②	M	17:19	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 21	VARIABLE REFRIGERANT FLOW	CONFERENCE ROOM 2005	208	1	–	0.6	0.12	②	M	17:19	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 22	VARIABLE REFRIGERANT FLOW	RECEPTION 2007	208	1	–	0.6	0.12	②	M	21:23	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 23	VARIABLE REFRIGERANT FLOW	RECEPTION 2007	208	1	–	0.6	0.12	②	M	21:23	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 24	VARIABLE REFRIGERANT FLOW	EXISTING MECH. 2003	208	1	–	1.9	0.40	②	M	21:23	20A 2P	–	–		FURNISHED BY MANUFACTURER	
VR 25	VARIABLE REFRIGERANT FLOW	EXISTING MECH. 2002	208	1	–	1.9	0.40	②	M	21:23	20A 2P	–	–		FURNISHED BY MANUFACTURER	



TRIA
ARCHITECTURE

OAS
Ortengren & Arnold
Sustainable, LLC
769 HEARTLAND DR., UNIT A, SUGAR GROVE, ILLINOIS 60054
(P) 630.530.1996

MEP/PF CONSULTANT:

GreenbergFarrow
STRUCTURAL ENGINEER
(P) 847.188.3100

DUNELAND SCHOOL CORPORATION
2018 MAIN OFFICE RENOVATIONS AT:
CHESTERTON MIDDLE SCHOOL (CMS)
651 W. MORGAN AVENUE, CHESTERTON, INDIANA 46304

PROJECT NUMBER: 18-0023	REVISIONS:
PROJECT MANAGER: MG	
DRAWN BY: OAS	
ISSUED FOR BID: 02/28/2018	
\$ SCHEDULES - ELECTRICAL	

E3.00