

EQUIPMENT CONNECTION SCHEDULE								
MARK	FED FROM	CIRCUIT	VOLTAGE	AMPERAGE	PHASE	LOAD	DS/VFD RATING (AMPS)	COMMENTS
AHU-1	HIA-A	1,3,5	480 V	8.2	3	6809 VA	30	
AHU-2A	HIA-B	13,15,17	480 V	28	3	23251 VA	60	
AHU-2B	HIA-B	14,16,18	480 V	28	3	23251 VA	60	
AHU-2C	HIA-B	19,21,23	480 V	28	3	23251 VA	60	
AHU-3	HIA-C	19,21,23	480 V	11	3	9134 VA	20	
AHU-4	HIA-C	14,16,18	480 V	28	3	23251 VA	60	
AHU-5	HIA-C	20,22,24	480 V	11	3	9134 VA	30	
AHU-6	HIA-C	25,27,29	480 V	8.2	3	6809 VA	30	
AHU-7	HIA-C	26,28,30	480 V	2	3	1114 VA	30	
B-1 (BOILER)	EHA-D	13,15,17	480 V	3.3	3	2706 VA	30	
B-2 (BOILER)	EHA-D	8,10,12	480 V	3.3	3	2706 VA	30	
B-3 (BOILER)	EHA-D	14,16,18	480 V	3.3	3	2706 VA	30	
B-4 (BOILER)	EHA-D	19,21,23	480 V	3.3	3	2706 VA	30	
CH-1	SWGR A, BUS-B	5	480 V	622	3	516509 VA	800	
CH-2	SWGR A, BUS-A	4	480 V	622	3	516509 VA	800	
CH-3	SWGR A, BUS-B	6	480 V	622	3	516509 VA	800	
CHP-1,2,3 (SKID)	HIA-C	1,3,5	480 V	68	3	54114 VA	200	
CHRG-1,2,3 (WH-1)	EHB-B	13,15,17	480 V	19	3	20904 VA	60	INTEGRAL VFD
COMP-1	HIB-B	1,3,5	480 V	240	3	190992 VA	400	
CRANE	HIB-C	14,16,18	480 V	33	3	27057 VA	60	
CRP-1	ELIA-C	2	120 V	7.2	1	876 VA	30	
CRP-2	ELIA-C	1	120 V	7.2	1	876 VA	30	
CRP-3	ELIA-B	3	120 V	7.2	1	864 VA	30	
CRP-4	ELIA-B	5	120 V	7.2	1	864 VA	30	
DR-1	HIB-B	26,28,30	480 V	17	3	13847 VA	30	
EB-2A	HIA-B	2,4,6	480 V	75	3	62300 VA	100	
EB-2B	HIA-B	7,9,11	480 V	75	3	62300 VA	100	
EB-2C	HIA-B	8,10,12	480 V	75	3	62300 VA	100	
EB-3	HIA-C	8,10,12	480 V	60	3	50000 VA	100	
EB-4	HIA-C	2,4,6	480 V	123	3	102000 VA	200	
EB-5	HIA-C	7,9,11	480 V	60	3	50000 VA	100	
EB-6	HIA-C	13,15,17	480 V	38	3	31300 VA	60	
EF-1	LIA-A	11	120 V	16	1	1820 VA	30	
EF-2	HIA-B	25,27,29	480 V	4.8	3	3820 VA	30	
EF-3	EHA-B	2,4,6	480 V	4.8	3	3820 VA	30	
EF-4	HIA-B	25,27,29	480 V	4.8	3	3820 VA	30	
EF-5	EHA-B	2,4,6	480 V	4.8	3	3820 VA	30	
EF-6	HIA-B	26,28,30	480 V	4.8	3	3820 VA	30	
EF-7	EHA-B	2,4,6	480 V	7.6	3	6311 VA	30	
EF-8	HIA-B	1,3,5	480 V	124	3	98679 VA	200	
EF-9	HIA-B	32,34,36	480 V	1.4	3	1163 VA	30	
EF-10	HIA-B	32,34,36	480 V	1.4	3	1163 VA	30	
EF-11	HIA-C	32,34,36	480 V	1.4	3	1163 VA	30	
EF-12	HIA-C	20,22,24	480 V	1.4	3	1163 VA	30	
EF-13	HIA-C	32,34,36	480 V	1.8	3	1495 VA	30	
EF-14	EHA-D	20,22,24	480 V	1.8	3	1495 VA	30	
EF-15	EHA-D	20,22,24	480 V	1.8	3	1495 VA	30	
EF-16	EHA-B	8,10,12	480 V	4.8	3	3865 VA	30	
EUH-1	LIA-A	8	120 V	6.3	1	756 VA	20	
EUH-2	LIA-A	8	120 V	6.3	1	756 VA	20	
EUH-1	HIA-A	2,4,6	480 V	19	3	12456 VA	30	
HWP-1	HIB-B	55,57,59	480 V	11	3	8754 VA	30	
HWCP-1	LIA-A	3	120 V	3	1	339 VA	30	
HWP-1	EHA-D	7,9,11	480 V	14	3	11141 VA	30	
HWP-2	EHA-D	7,9,11	480 V	14	3	11141 VA	30	
OAHU-1	EHA-C	2,4,6	480 V	14	3	11141 VA	30	
OAHU-2	EHA-C	2,4,6	480 V	14	3	11141 VA	30	
OAHU-3	EHA-C	13,15,17	480 V	14	3	11141 VA	30	
OAHU-4	EHA-C	8,10,12	480 V	14	3	11141 VA	30	
OAHU-5	EHA-C	19,21,23	480 V	14	3	11141 VA	30	
OAHU-6	EHA-C	14,16,18	480 V	14	3	11141 VA	30	
SCCU-1	HIA-A	7,9,11	480 V	13	3	10345 VA	30	
SCCU-2	HIA-A	8,10,12	480 V	13	3	10345 VA	30	
SCCU-3	HIA-A	13,15,17	480 V	11	3	8754 VA	30	
SCCU-4	LIA-B	10,12	208 V	20	1	4160 VA	30	
SCCU-5	HIA-B	20,22,24	480 V	11	3	8754 VA	30	
SCCU-6	LIA-C	14,16	208 V	20	1	4160 VA	30	
SCCU-7	HIA-C	31,33,35	480 V	11	3	8754 VA	30	
SCCU-8	HIA-A	14,16,18	480 V	13	3	10345 VA	30	
SP-1	LIA-S	4	120 V	1	1	1656 VA	30	
VP-1	HIB-B	4,51,53	480 V	7.6	3	6048 VA	30	
VP-2	HIB-B	56,58,60	480 V	7.6	3	6048 VA	30	
WATER SOFTENER-1	LIA-B	6	120 V	6	1	720 VA	30	
WATER SOFTENER-2	LIA-B	6	120 V	6	1	720 VA	30	
SITE								

TRANSFORMER SCHEDULE							
LABEL	RATING (kVA)	PRIMARY VOLTAGE	PHASES	SECONDARY VOLTAGE	MOUNTING	ENCLOSURE	GROUND SIZE
ETRIC-A	75	480V DELTA	3	208/120V WYE	TRAPEZE	Type 2	#2
TRIC-A	75	480V DELTA	3	208/120V WYE	TRAPEZE	Type 2	#2
ETRIC-B	45	480V DELTA	3	208/120V WYE	TRAPEZE	Type 2	#2
TRIC-B	75	480V DELTA	3	208/120V WYE	TRAPEZE	Type 2	#2
ETRIC-C	30	480V DELTA	3	208/120V WYE	TRAPEZE	Type 2	#6
TRIC-C	45	480V DELTA	3	208/120V WYE	TRAPEZE	Type 2	#6
ETRIC-D	45	480V DELTA	3	208/120V WYE	TRAPEZE	Type 2	#6


COMcheck Software Version COMcheckWeb

Interior Lighting Compliance Certificate

Project Information
 Energy Code: 2018 IECC
 Project Title: Project AR
 Project Type: New Construction

Designer/Consultant:
 Lighting Engineering
 818 Town and Country Blvd
 Houston, Texas 77024

Construction Site: _____
 Designer/Consultant:

Efficiency Packages
Description

Credit

Enhanced Interior Lighting Controls	1.0
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Compliant 1.0 Equivalent Not Compliant 1.0 Provisioned

Allowed Interior Lighting Power

Area Category	B	C	D
	Floor Area Watts / (Ft²)	Allowed Watts / (Ft²)	Allowed Watts
1-Electrical (Common Space Types: Electrical/Mechanical)	1880	0.43	608
2-Business (Common Space Types: Office - Open Plan)	1215	0.81	984
3-Office (Common Space Types: Office - Enclosed)	397	0.93	312
4-Conference Room (Common Space)	200	1.07	214
5-Conference Room (Meeting Room/Conference)	178	0.85	653
6-Residential (Common Space Types: Residential)	838	0.62	520
7-Control Room (Common Space Types: Computer Room)	768	1.33	237
8-Laboratory (Common Space Types: Laboratory for Biological/Healthcare Laboratory for Chemical/Biochemical/Laboratory for Forensic)	145	0.94	5723
9-Reception/Waiting/Entrance/Reception Room	2157	0.65	1532
10-Border Book/Manufacturing Low Bay < 25ft. Floor to Ceiling Height)	1454	0.96	1100
11-Store Room (Common Space Types: Computer Room)	626	1.33	832
12-Cave Area /Manufacturing Extra High Bay (> 20ft. Floor to Ceiling Height)	3979	1.05	4378
13-Joinery Room (Common Space Types: Electrical/Mechanical)	867	0.43	364
14-Sevante Area (Common Space Types: Control/Transition < 8 ft Wide)	111	0.66	73

Total Allowed Watts = 75554

Proposed Interior Lighting Power
A

B

C

D

Figure D: Description / Lamp / Wattage Per Lamp / Ballast

	A	B	C	D
	Fixture D: Description / Lamp / Wattage Per Lamp / Ballast	Fixture / Fixture	Fixture / Fixture	Fixture / Fixture
1-Electrical (Common Space Types: Electrical/Mechanical)		0	19	42 (X)
2-Business (Common Space Types: Office - Open Plan)				

As a User, Project AR

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Report Date: 09/18/20

Fixture ID	Description / Lamp / Wattage Per Lamp / Ballast	B/B Fixture	# of Fixtures	Watt. Watts	(C x D) E (K)
L2		0	11	43	495
L3		0	1	13	13
C1	Office (Common Space Types/Office - Enclosed)	0	1	42	42
C2		0	6	29	174
C4	Conference Room (Common Space Types/Conference/Meeting/Multipurpose)	0	4	29	116
B2	Restroom (Common Space Types/Restrooms)	0	8	16	128
G1		0	12	12	144
G2		0	1	30	30
B3	Breakroom (Common Space Types/Lounge/Breakroom)	0	9	29	261
C3	Control Room (Common Space Types/Control Room)	0	4	29	116
B4	Manufacturing Areas (Common Space Types/Laboratory For Medical/Industrial/Research)	0	161	168	27056
B5		0	144	165	18810
G3		0	4	100	400
9	Receiving (Manufacturing Equipment Room)	0	9	195	1845
10	Boiler Bldg (Manufacturing - Low Bay / In 25' Floor to Ceiling Height)	0	4	165	660
11	Garage Room (Common Space Types/Computer Room)	0	4	165	660
12	Garage Area (Manufacturing Extra High Bay / In ~ 50' Floor to Ceiling Height)	0	11	42	462
A1		0	29	165	4125
A2		0	2	40	80
13	Utility Room (Common Space Types/Electrical/Mechanical)	0	3	165	495
14	Vestibule (Common Space Types/Entrance/Transition < 8 ft wide)	0	24	48	1152
F1		0	24	48	1152
				Total Proposed Fixtures	5467

Energy Savings Potential: Over 20% better than code

Interior Lighting Compliance

Step 1: Statement

The proposed Interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in Compliance Version (Checklist) and to comply with all applicable regulatory requirements listed in the Inspection Checklist.

City/Agency: **OCIR**

Name / Title: _____

09-18-2024

Date

Project Title: Project AR

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[illegible]