

Order Plans @

ELECTRICAL MECHANICAL EQUIPMENT SCHEDULE																
TAG	HP	LOAD	FLA (AMPS)	VOLTAGE	PHASE	CONDUIT/WIRE (AWG)	PANEL	CIRCUIT NUMBER	STARTER			DISCONNECT			COMMENTS	
									NEMA SIZE	ENCL. TYPE	FURN. BY (DIV.)	SWITCH SIZE	NO. OF POLES	ENCL. TYPE		FURN. BY (DIV.)
AHU-1	20+20	44874 VA	54	480 V	3	1 1/2" CONDUIT WITH #3 AND 1#8 GROUND	MDP	7.9,11	---	---	---	100A	3	NEMA 1	23	
AHU-2	6+6	15965 VA	19.2	480 V	3	3/4" CONDUIT WITH 3#10 AND 1#10 GROUND	IHP1	2.46	---	---	---	30A	3	NEMA 1	26	
AHU-3	15+15	34902 VA	42	480 V	3	1 1/4" CONDUIT WITH #4 AND 1#10 GROUND	IHP1	1.35	---	---	---	60A	3	NEMA 1	26	
CH-1	---	181490 VA	218.4	480 V	3	3" CONDUIT WITH #35KCMIL AND 1#4 GROUND	MDP	1.35	---	---	---	400A	3	NEMA 3R	26	
CV-1-5	---	5000 VA	18.05	277 V	1	3/4" CONDUIT WITH 2#10 AND 1#10 GROUND	IHP1	29	---	---	---	30A	2	NEMA 1	26	
CV-1-13	---	4000 VA	14.44	277 V	1	3/4" CONDUIT WITH 2#12 AND 1#12 GROUND	IHP1	37	---	---	---	30A	2	NEMA 1	26	
EDH-1	---	25500 VA	30.7	480 V	3	1" CONDUIT WITH #6 AND 1#10 GROUND	MDP	2.46	---	---	---	60A	3	NEMA 1	26	
EF-3-1	2	2746 VA	13.2	208 V	1	3/4" CONDUIT WITH 2#12 AND 1#12 GROUND	IHP1	1.3	---	---	---	30A	2	NEMA 3R	26	
EF-1-2	1/2	900 VA	9.8	120 V	1	3/4" CONDUIT WITH 2#12 AND 1#12 GROUND	IHP1	7	00	NEMA 3R	26	30A	2	NEMA 3R	26	
VAV-1-1	---	6000 VA	7.2	480 V	3	3/4" CONDUIT WITH 3#12 AND 1#12 GROUND	IHP1	17.19, 21	---	---	---	30A	3	NEMA 1	26	
VAV-1-2	---	6000 VA	7.2	480 V	3	3/4" CONDUIT WITH 3#12 AND 1#12 GROUND	IHP1	18.20, 22	---	---	---	30A	3	NEMA 1	26	
VAV-1-3	---	6000 VA	7.2	480 V	3	3/4" CONDUIT WITH 3#12 AND 1#12 GROUND	IHP1	23.25, 27	---	---	---	30A	3	NEMA 1	26	
VAV-1-4	---	6000 VA	7.2	480 V	3	3/4" CONDUIT WITH 3#12 AND 1#12 GROUND	IHP1	24.26, 28	---	---	---	30A	3	NEMA 1	26	
VAV-1-6	---	1000 VA	3.6	277 V	1	3/4" CONDUIT WITH 2#12 AND 1#12 GROUND	IHP1	30	---	---	---	30A	2	NEMA 1	26	
VAV-1-7	---	2000 VA	7.2	277 V	1	3/4" CONDUIT WITH 2#12 AND 1#12 GROUND	IHP1	31	---	---	---	30A	2	NEMA 1	26	
VAV-1-8	---	1500 VA	5.4	277 V	1	3/4" CONDUIT WITH 2#12 AND 1#12 GROUND	IHP1	32	---	---	---	30A	2	NEMA 1	26	
VAV-1-9	---	2500 VA	9.03	277 V	1	3/4" CONDUIT WITH 2#12 AND 1#12 GROUND	IHP1	8	---	---	---	30A	2	NEMA 1	26	
VAV-1-10	---	1000 VA	3.6	277 V	1	3/4" CONDUIT WITH 2#12 AND 1#12 GROUND	IHP1	33	---	---	---	30A	2	NEMA 1	26	
VAV-1-11	---	1500 VA	5.4	277 V	1	3/4" CONDUIT WITH 2#12 AND 1#12 GROUND	IHP1	34	---	---	---	30A	2	NEMA 1	26	
VAV-1-12	---	1500 VA	5.4	277 V	1	3/4" CONDUIT WITH 2#12 AND 1#12 GROUND	IHP1	35	---	---	---	30A	2	NEMA 1	26	
VAV-1-14	---	2000 VA	7.2	277 V	1	3/4" CONDUIT WITH 2#12 AND 1#12 GROUND	IHP1	36	---	---	---	30A	2	NEMA 1	26	
VAV-1-15	---	4500 VA	16.24	277 V	1	3/4" CONDUIT WITH 2#10 AND 1#10 GROUND	IHP1	38	---	---	---	30A	2	NEMA 1	26	
VAV-1-16	---	3500 VA	12.64	277 V	1	3/4" CONDUIT WITH 2#12 AND 1#12 GROUND	IHP1	39	---	---	---	30A	2	NEMA 1	26	
VAV-1-17	---	1000 VA	3.6	277 V	1	3/4" CONDUIT WITH 2#12 AND 1#12 GROUND	IHP1	40	---	---	---	30A	2	NEMA 1	26	
VAV-1-18	---	1500 VA	5.4	277 V	1	3/4" CONDUIT WITH 2#12 AND 1#12 GROUND	IHP1	41	---	---	---	30A	2	NEMA 1	26	
VAV-2-1	---	13000 VA	15.6	480 V	3	3/4" CONDUIT WITH 3#10 AND 1#10 GROUND	IHP1	10,12,14	---	---	---	30A	3	NEMA 1	26	
VAV-2-2	---	13000 VA	15.6	480 V	3	3/4" CONDUIT WITH 3#10 AND 1#10 GROUND	IHP1	11,13,15	---	---	---	30A	3	NEMA 1	26	
VAV-2-3	---	1000 VA	3.6	277 V	1	3/4" CONDUIT WITH 2#12 AND 1#12 GROUND	IHP1	16	---	---	---	30A	2	NEMA 1	26	
VAV-2-4	---	1500 VA	5.4	277 V	1	3/4" CONDUIT WITH 2#12 AND 1#12 GROUND	IHP1	9	---	---	---	30A	2	NEMA 1	26	
VAV-2-5	---	1500 VA	5.4	277 V	1	3/4" CONDUIT WITH 2#12 AND 1#12 GROUND	IHP1	7	---	---	---	30A	2	NEMA 1	26	

**Branch Panel: 1HP1**

Location: \_\_\_\_\_  
 Supply From: 112.5 VA, 277 V/480 V, Three...  
 Mounting: Surface  
 Enclosure: Type 1

Volts: 120/208 Wye  
 Phases: 3  
 Wires: 4

A.I.C. Rating: 22,000  
 Mains Type: MCB  
 Mains Rating: 400 A  
 MCB Rating: 400 A

Notes:

CKT	Circuit Description	Trip	Amps			P	Trip	Circuit Description	CKT
			A	B	C				
1	Receptacle	20 A	180 VA	660 VA		1	20 A	Lighting Auditorium Level 2	2
3	Lighting Shop Mezzanine Level 2	20 A		197 VA	480 VA	1	20 A	Lighting lobby Level 2	4
5	Lighting - Dwelling Unit	20 A			400 VA	1	20 A	Lighting Canopy Level 2	6
7	Lighting Level 2	20 A	701 VA	1426 VA		1	20 A	Lighting BOH Level 1	8
9	Lighting BOH and Studio Level 1	20 A		1245 VA	1255 VA	1	20 A	Lighting Studio Level 1	10
11	Lighting Studio Level 1	20 A			630 VA	1	20 A	Lighting Corridor Level 1	12
13	Lighting Corridor Level 1	20 A	675 VA	1187 VA		1	20 A	Lighting Restrooms Level 1	14
15	Lighting Administration Level 1	20 A		1375 VA	360 VA	1	20 A	Lighting Port Cochere Level 1	16
17	Lighting Stage Level 1	20 A			1400 VA	1	20 A	Lighting BOH Level 1	18
19	Lighting Lobby Level 1	20 A	26 VA	384 VA		1	20 A	Lighting	20
21									22
23									24
25									26
27									28
29	1LPLS	225 A			14658 VA				30
31			14342 VA						32
33				13100 VA					34
35	Spare	20 A			0 VA	0 VA	20 A	Spare	36
37	Spare	20 A	0 VA	0 VA			20 A	Spare	38
39	Space			0 VA	0 VA			Space	40
41	Space				0 VA	0 VA		Space	42
<b>Total Load:</b>			19425 VA	17833 VA	19843 VA				
<b>Total Amps:</b>			164 A	149 A	167 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	0 VA	0.00%	0 VA	<b>Total Conn. Load:</b>	57100 VA
Lighting	56532 VA	100.00%	56532 VA	<b>Total Est. Demand:</b>	57100 VA
				<b>Total Conn. Current:</b>	158 A
				<b>Total Est. Demand Current:</b>	158 A

Notes:

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**PERMIT SET**  
 NO: 42527  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER

FGA PROJECT NUMBER  
 19048

ISSUE DATE  
 04-15-2020

NO	DATE	NOTES
1	05.26.20	Permit Comments

SHEET NAME  
 PANEL SCHEDULES - ELECTRICAL

SHEET NUMBER  
 E6.2