CIRCUIT BREAKER PANEL SCHEDULE
PANEL "MP"

120/240 VOLT, 1ø, 3W
600 AMP MAIN LUGS ONLY

SURFACE MOUNTED

CKT	LOAD DESCRIPTION	BREAKER POLE	BREAKER AMP	LOAD KVA		BREAKER AMP	BREAKER POLE	LOAD DESCRIPTION	CKT
1	AHU-1 ①	2	60	11.83	5.10	50	2	HP-1 ①	2
3	↑	↑	↑			↑	↑	↑	4
5	PANEL LP	2	175	31.90	15.41	125	2	PANEL PP	6
7	↑	↑	↑			↑	↑	↑	8
9	AC-1/AH-1 ①	2	15	2.16	4.50	30	2	EWH-1 ②	10
11	↑	↑	↑			↑	↑	↑	12
13	UH-1 ②	2	30	5.00	5.00	30	2	UH-3 ②	14
15	↑	↑	↑			↑	↑	↑	16
17	UH-2 ②	2	30	5.00	5.00	30	2	UH-4 ②	18
19	↑	↑	↑			↑	↑	↑	20
21	CCR #1	2	30	4.00	5.00	30	2	UH-5 ②	22
23	↑	↑	↑			↑	↑	↑	24
25	CCR #2	2	30	4.00	5.00	30	2	UH-6 ②	26
27	↑	↑	↑			↑	↑	↑	28
29	FUTURE FUELING PAD (NORTH)	2	30	5.76	4.08	35	2	WELL PUMP ②	30
31	↑	↑	↑			↑	↑	↑	32
33	FUTURE FUELING PAD (SOUTH)	2	30	5.76	5.71	125	2	PANEL T (TOWER) ②	34
35	↑	↑	↑			↑	↑	↑	36
37	SPARE	2	20	·	12.50	100	2	PANEL FP (FIRE PUMP HOUSE) ②	38
39	↑	↑	↑	·	·	↑	↑	↑	40
41	SPARE	2	20	·	·	20	2	SPARE	42
43	↑	↑	↑	·	·	↑	↑	↑	44
45	SPARE	2	20	·	·	20	2	SPARE	46
47	↑	↑	↑	·	·	↑	↑	↑	48
49	SPACE	1	20	·	·	20	1	SPACE	50
51				·	·				52
53				·	·				54
55				·	·	↓	↓	↓	56
57				·	–	30	2	SURGE PROTECTION DEVICE (SPD)	58
59	↓	↓	↓	·	–	↓	↓	↓	60

TOTAL CONNECTED LOAD: 142.71 KVA
MINIMUM INTERRUPTING CAPACITY: 22,000 AMPS SYMMETRICAL

① PROVIDE HACR TYPE CIRCUIT BREAKER. FIELD VERIFY SIZE & RATING WITH EQUIPMENT PROVIDED.
② FIELD VERIFY SIZE & RATING WITH EQUIPMENT PROVIDED.

CIRCUIT BREAKER PANEL SCHEDULE
PANEL "LP"

120/240 VOLT, 1ø, 3W
225 AMP M.L.O.

SURFACE MOUNTED

CKT	LOAD DESCRIPTION	BREAKER POLE	BREAKER AMP	LOAD KVA		BREAKER AMP	BREAKER POLE	LOAD DESCRIPTION	CKT
1	LIGHTS – APPARATUS BAY 101	1	20	1.19	0.72	20	1	RECEPTS – OFFICE 103	2
3	– DAY RM 105/OFFICES			0.98	0.90			– OFFICE 104	4
5	– REC RM 106/TLTS			1.25	0.54			– CORRIDOR	6
7	– OUTSIDE ①			0.66	0.36			– MEN'S 107	8
9	REFRIGERATOR			1.20	0.60			– E.W.C.–REC RM 106	10
11	RECEPTS – KITCHEN COUNTER			0.36	0.36			– IT ROOM 113	12
13	RANGE HOOD FAN			0.60	0.36			– IT ROOM 113	14
15	MICROWAVE			1.00	0.36			– IT ROOM 113	16
17	RECEPTS – KITCHEN CTR/ISLAND			0.36	0.54			– ELECT/JAN/OUTSIDE	18
19	DISHWASHER	↑	↑	1.20	0.36			– REC ROOM 106	20
21	RANGE	2	50	8.00	0.54			– REC ROOM 106	22
23	↑	↑	↑	↑	0.54			– REC ROOM 106	24
25	GARBAGE DISPOSAL	1	20	0.60	0.40			– FACP	26
27	RECEPTS – DAY ROOM 105			0.54	1.00			LIGHTS – PARKING AREA	28
29	– DAY ROOM 105	↑	↑	0.54	0.40			LIGHTS – TOWER	30
31	HVAC – TOWER	2	20	2.88	0.60			LIGHTS – APPARATUS BAY CORD REEL	32
33	↑	↑	↑	·	0.18			RECEPTS – WOMEN'S 108	34
35	AIRCRAFT OBSTRUCTION LIGHTS	1	20	1.00	0.20			OVERHEAD PROJECTOR–DAY RM 105	36
37	RECEPT–CORD DROP – IT RM 113			0.18	0.40			MOTORIZED SCREEN – DAY RM 105	38
39	SPARE			·	·			SPARE	40
41				·	·				42
43				·	·				44
45				·	·				46
47	SPACE			·	·			SPACE	48
49				·	·	↓	↓	↓	50
51				·	–	30	2	SURGE PROTECTION DEVICE (SPD)	52
53	↓	↓	↓	·	–	↓	↓	↓	54

TOTAL CONNECTED LOAD: 31.90 KVA
MINIMUM INTERRUPTING CAPACITY: 22,000 AMPS SYMMETRICAL

① SWITCH THROUGH LIGHTING CONTACTOR LCA.

CIRCUIT BREAKER PANEL SCHEDULE
PANEL "PP"

120/240 VOLT, 1ø, 3W
225 AMP M.L.O.

SURFACE MOUNTED

CKT	LOAD DESCRIPTION	BREAKER POLE	BREAKER AMP	LOAD KVA		BREAKER AMP	BREAKER POLE	LOAD DESCRIPTION	CKT
1	RECEPTS – APPARATUS BAY EAST	1	20	0.54	0.54	20	1	RECEPTS – APPARATUS BAY WEST	2
3	– APPARATUS BAY EAST			0.36	0.36			– APPARATUS BAY WEST	4
5	– APPARATUS BAY EAST			0.36	0.36			– APPARATUS BAY WEST	6
7	– CORD REEL – NORTH	↑	↑	0.18	0.18	↑	↑	– CORD REEL – SOUTH	8
9	230V/1ø, 30A RECEPT – EAST	2	30	3.75	3.75	30	2	230V/1ø, 30A RECEPT – WEST	10
11	↑	↑	↑			↑	↑	↑	12
13	OVERHEAD DOOR – NORTH	1	20	1.18	1.18	20	1	OVERHEAD DOOR – SOUTH	14
15	WH-1	1	15	0.75	1.92	25	1	EXHAUST FAN EF-5	16
17	SPARE	1	20			20	1	SPARE	18
19									20
21									22
23	SPACE							SPACE	24
25						↓	↓	↓	26
27					–	30	2	SURGE PROTECTION DEVICE (SPD)	28
29	↓	↓	↓		–	↓	↓	↓	30

TOTAL CONNECTED LOAD: 15.41 KVA
MINIMUM INTERRUPTING CAPACITY: 22,000 AMPS SYMMETRICAL

ELECTRICAL LEGEND

- CEILING MOUNTED FLUORESCENT LIGHTING FIXTURE
- CEILING MOUNTED FLUORESCENT LIGHTING FIXTURE CONNECTED TO EMERGENCY CIRCUIT OR WITH EMERGENCY BATTERY BACKUP
- WALL MOUNTED FLUORESCENT LIGHTING FIXTURE
- STRIP FLUORESCENT LIGHTING FIXTURE
- STRIP FLUORESCENT LIGHTING FIXTURE CONNECTED TO EMERGENCY CIRCUIT OR WITH EMERGENCY BATTERY BACKUP
- RECESSED CEILING MOUNTED COMPACT FLUORESCENT LIGHTING FIXTURE
- RECESSED CEILING MOUNTED COMPACT FLUORESCENT LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP
- WALL BRACKET HID OR COMPACT FLUORESCENT LIGHTING FIXTURE
- EXIT LIGHT
- $ SINGLE POLE LIGHTING SWITCH, MOUNT 48" AFF
- $3 THREE-WAY LIGHTING SWITCH
- $OS OCCUPANCY SENSOR LIGHTING SWITCH
- $M MOTOR RATED TOGGLE SWITCH DISCONNECT
- US CEILING MOUNTED ULTRASONIC OCCUPANCY SENSOR
- PP DUAL VOLTAGE POWER PACK MOUNTED ABOVE CEILING IN NEMA 1 ENCLOSURE POWER PACK SHALL BE HUBBELL No. UVPP OR APPROVED EQUAL. PROVIDE WIRING IN CONDUIT FROM POWER PACK TO ALL SENSORS IN SAME ROOM PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE ACCESS PANELS IN AREAS WITH HARD CEILING TYPES. MOUNT IN NEMA 1 ENCLOSURE ABOVE CEILING. LABELENCLOSURE WITH CIRCUIT NUMBER.
- DUPLEX RECEPTACLE . MOUNT 18" AFF UNLESS NOTED OTHERWISE. VERIFY DUPLEX MOUNTING REQUIREMENTS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN. SUBSCRIPT INDICATES AS FOLLOWS: G – GROUND FAULT CIRCUIT INTERRUPTER TYPE
- DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER. VERIFY COUNTER HEIGHT PRIOR TO ROUGH-IN. ORIENT WITH LONG AXIS HORIZONTAL ABOVE COUNTERS
- G GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE MOUNTED ABOVE COUNTER. VERIFY COUNTER HEIGHT PRIOR TO ROUGH-IN. ORIENT WITH LONG AXIS HORIZONTAL ABOVE COUNTERS
- CLG DUPLEX RECEPTACLE MOUNTED FLUSH IN CEILING
- QUADRAPLEX RECEPTACLE
- J JUNCTION BOX
- MOTOR
- NON-FUSED DISCONNECT SWITCH
- TV TELEVISION OUTLET MOUNTED AS NOTED
- PANELBOARD
- MAIN PANELBOARD
- MS PUBLIC ADDRESS SYSTEM MASTER STATION (AMPLIFIER/MIXER)
- S PUBLIC ADDRESS SYSTEM CEILING MOUNTED RECESSED SPEAKER WITH VOLUME CONTROL
- S PUBLIC ADDRESS SYSTEM WALL MOUNTED RECESSED SPEAKER WITH VOLUME CONTROL
- S WP WEATHERPROOF PUBLIC ADDRESS SYSTEM CEILING MOUNTED RECESSED SPEAKER
- CTV WALL MOUNTED JUNCTION BOX FOR GFGI CLOSED CIRCUIT TV CAMERA. PROVIDE 3/4"C TO COMM ROM.
- KP WALL MOUNTED JUNCTION BOX FOR GFGI ELECTRONIC SECURITY SYSTEM (ESS) KEYPAD. PROVIDE 3/4"C TO COMM ROOM.
- CR WALL MOUNTED JUNCTION BOX FOR GFGI ELECTRONIC SECURITY SYSTEM (ESS) CARD READER. PROVIDE 3/4"C TO COMM ROOM.
- ATS AUTOMATIC TRANSFER SWITCH
- ENCLOSED CIRCUIT BREAKER
- AFF ABOVE FINISHED FLOOR
- EWC ELECTRIC WATER COOLER
- MW MICROWAVE
- DW DISHWASHER
- CFCI CONTRACTOR FURNISHED CONTRACTOR INSTALLED
- GFGI GOVERNMENT FURNISHED GOVERNMENT INSTALLED
- GFCI GOVERNMENT FURNISHED CONTRACTOR INSTALLED
- CONDUIT RUN ABOVE CEILING OR IN WALLS
- CIRCUIT RUN IN OR BELOW SLAB OR UNDERGROUND
- HOMERUN TO PANELBOARD ANY CIRCUIT WITHOUT FURTHER DESIGNATION 2#12, 1#12 GRD, 1/2"C; 3#12, 1#12 GRD, 1/2"C ETC.
- CONDUIT RUN EXPOSED PARALLEL OR PERPINDICULAR TO BUILDING LINES

NOTE:
SEE FIRE PROTECTION DRAWINGS FOR FIRE DETECTION AND ALARM SYSTEM DESIGN AND REQUIREMENTS.

LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER AND CATALOG No.	LAMPS No.	LAMPS TYPE	MOUNTING	REMARKS
FS	NOMINAL 4' 2-LAMP INDUSTRIAL FLUORESCENT STRIP WITH WIREGRUARD	2	F32 T8	SURFACE	120 VOLT
FSE	NOMINAL 4' 2-LAMP INDUSTRIAL FLUORESCENT STRIP WITH WIREGRUARD AND EMERGENCY BATTERY PACK	2	F32 T8	SURFACE	120 VOLT ②
FS8	NOMINAL 8' 4-LAMP INDUSTRIAL FLUORESCENT STRIP WITH WIREGRUARD	4	F54 T5HO	PENDANT	120 VOLT
FS8E	NOMINAL 8' 4-LAMP INDUSTRIAL FLUORESCENT STRIP WITH WIREGRUARD AND EMERGENCY BATTERY PACK	4	F54 T5HO	PENDANT	120 VOLT ②
FT2	NOMINAL 2'X4' 2-LAMP ACRYLIC LENSED RECESSED TROFFER	2	F32 T8	RECESSED	120 VOLT
FT2E	NOMINAL 2'X4' 2-LAMP ACRYLIC LENSED RECESSED TROFFER WITH EMERGENCY BATTERY PACK	2	F32 T8	RECESSED	120 VOLT ②
FT3	NOMINAL 2'X4' 3-LAMP ACRYLIC LENSED RECESSED TROFFER	3	F32 T8	RECESSED	120 VOLT
FT3E	NOMINAL 2'X4' 3-LAMP ACRYLIC LENSED RECESSED TROFFER WITH EMERGENCY BATTERY PACK	3	F32 T8	RECESSED	120 VOLT ②
FW2	2' FLUORESCENT LIGHT MOUNTED OVER VANITY	2	F17 T8	WALL	120 VOLT
FW4	4' FLUORESCENT LIGHT MOUNTED OVER VANITY	2	F32 T8	WALL	120 VOLT
OB	OBSTRUCTION LIGHT	–	–	ROOF MAST	120 VOLT ①
RL	RECESSED COMPACT FLUORESCENT DOWNLIGHT	1	42W CFL	RECESSED	120 VOLT
RLE	RECESSED COMPACT FLUORESCENT DOWNLIGHT WITH EMERGENCY BATTERY PACK	1	42W CFL	RECESSED	120 VOLT ③
RLW	RECESSED LED DOWNLIGHT, 3000 LUMENS, 4000K, UL LISTED DAMP LOCATION	1	39W LED	RECESSED	120 VOLT
RLWE	RECESSED LED DOWNLIGHT, 3000 LUMENS, 4000K, UL LISTED DAMP LOCATION WITH EMERGENCY BATTERY PACK	1	39W LED	RECESSED	120 VOLT ④
SL	RECESSED COMPACT FLUORESCENT DOWNLIGHT WITH SHOWER DROP LENS. UL LISTED WET LOCATION.	1	26W CFL	RECESSED	120 VOLT
WB	LED WALL PACK, 6000 LUMENS, 4000K, UL LISTED WET LOCATION	1	70W LED	WALL @ 9'-0" AFF	120 VOLT
WBE	LED WALL PACK, 6000 LUMENS, 4000K, UL LISTED WET LOCATION. WITH EMERGENCY BATTERY PACK	1	70W LED	WALL @ 9'-0" AFF	120 VOLT ④
WBA	LED WALL PACK, 6000 LUMENS, 4000K, UL LISTED WET LOCATION	1	70W LED	WALL @ 15'-0" AFF	120 VOLT
⊗	LED EXIT LIGHT WITH EMERGENCY BATTERY PACK	LED		CEILING/WALL	120 VOLT

NOTE: SUBSTITUTIONS SHALL BE SUBMITTED TO THE ENGINEER 14 DAYS PRIOR TO BID FOR WRITTEN APPROVAL AS EQUAL.
① PROVIDE LOWERING MECHANISM BY MANUFACTURER SUCH THAT MAINTENANCE CAN BE ACCOMPLISHED AT THE ROOF LEVEL.
② EMERGENCY BATTERY UNIT SHALL PROVIDE A MINIMUM OF 1400 LUMENS OUTPUT.
③ EMERGENCY BATTERY UNIT SHALL PROVIDE A MINIMUM OF 700 LUMENS OUTPUT.
④ EMERGENCY BATTERY UNIT SHALL PROVIDE A MINIMUM OF 1000 LUMENS OUTPUT.

ADAMS CONSULTING ENGINEERING, INC.
3 West Garden Street • Suite 608 • Pensacola, Florida 32502
Office: 850-444-0095 • Fax: 850-444-0096 • E-mail: scott@adamscei.com
SCOTT A. ADAMS, P.E. FL LICENSE No. 57949 • CA No. 26311

100% RTA SUBMITTAL

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile - Brevard County - Tampa

This drawing is the property of BASKERVILLE-DONOVAN, INC. and is not to be reproduced in whole or in part. It is not to be used on any other project and is to be returned upon request.

SCOTT A. ADAMS, P.E.

OLF-X
PHASE II – AIRFIELD

NO.	DATE	APPR.	REVISION/ACTION TAKEN
001	02/13/18	SAA	ADDENDUM TO BID DOCUMENTS
003	02/23/18	SAA	ADDENDUM TO BID DOCUMENTS

PROJECT NO: 25898.03
DESIGNED BY: SAA
DRAWN BY: DAH
CHK'D BY: SAA
PROJ. MGR: –
DATE: FEBRUARY 2018
NOT RELEASED FOR CONSTRUCTION BY DATE / /

ELECTRICAL LEGEND AND SCHEDULES

E-100

S:\2017\17118 OLF\17118-E100.dwg, Feb 27, 2018 – 1:17:38PM, Scott