

DESIGNATION	DESCRIPTION	LOCATION	KVA	HP	VOLT	PHASE	PANEL NAME	CIRCUIT #	BREAKER SIZE	WIRE SIZE (MINIMUM)	DISCONNECT	DISCONNECT PROVIDED BY/INSTALLED BY	STARTER NOTES	FIRE ALARM NOTES	REMARKS
B-1	BOILER	BOILER ROOM 129	2.38		208	3	EMM	1,3,5	20	#12, #12G, 3/4"		ELECTRICAL CONTRACTOR/ELECTRICAL CONTRACTOR			
BAS CONTROLS	CONTROLS	BOILER ROOM 129	0.18		120	1	EMM	25		2#12, #12G, 3/4"					
CU-1	CONDENSING UNIT	COVERED OUTDOOR AREA 129	2.90		208	2	EMM	8,10	25	2#12, #10G, 3/4"	30	ELECTRICAL CONTRACTOR/ELECTRICAL CONTRACTOR	F,V		COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
CU-2	CONDENSING UNIT	COVERED OUTDOOR AREA 129	2.90		208	2	EMM	12,14	25	2#12, #10G, 3/4"	30	ELECTRICAL CONTRACTOR/ELECTRICAL CONTRACTOR	F,V		COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
DOAU-1	DESIGNATED OUTDOOR UNIT	MAIN BUILDING	18.45	.5	208	3	EMM	24,26,28	70	3#4, #8G, 1-1/4"	100	ELECTRICAL CONTRACTOR/ELECTRICAL CONTRACTOR		a	COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
DOAU-2	DESIGNATED OUTDOOR UNIT	KENNELS	23.28	1.5	208	3	EMM	7,9,11	90	3#2, #8G, 1-1/4"	100	ELECTRICAL CONTRACTOR/ELECTRICAL CONTRACTOR		a	COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
DSS-1	DUCTLESS SPLIT SYSTEM	ELECTRICAL - 108	0.07		208	2			0	2#12, #10G, 3/4"		ELECTRICAL CONTRACTOR/ELECTRICAL CONTRACTOR	F,P,S,V		COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
DSS-2	DUCTLESS SPLIT SYSTEM	IT 132	0.07		208	2			0	2#12, #10G, 3/4"		ELECTRICAL CONTRACTOR/ELECTRICAL CONTRACTOR	F,P,S,V		COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
EF-1	EXHAUST FAN	ADOPTION DOG KENNELS - 119	0.40	0.25	120	1	EMM	15	15	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER	F,V		COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
EF-2	EXHAUST FAN	ADOPTION DOG KENNELS - 121	0.40	0.25	120	1	EMM	29	15	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER	F,V		COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
EF-3	EXHAUST FAN	ADOPTION DOG KENNELS - 123	0.40	0.25	120	1	EMM	27	15	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER	F,V		COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
EF-4	EXHAUST FAN	SHORT TERM INTAKE HOLDING - 124	0.40	0.25	120	1	EMM	17	15	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER	F,V		COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
EF-5	EXHAUST FAN	MAIN BUILDING	0.18	0.08	120	1	EMM	20	15	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER	F,V		COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
FCU-1	FAN COIL UNIT	COMMUNITY ROOM 101	0.33		120	1	A	13	20	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER			COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
FCU-2	FAN COIL UNIT	TOILET - 105	0.02		120	1	A	13	20	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER			COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
FCU-3	FAN COIL UNIT	TOILET - 104	0.02		120	1	A	13	20	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER			COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
FCU-4	FAN COIL UNIT	ADOPTION CAT ROOM - 109	0.02		120	1	A	13	20	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER			COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
FCU-5	FAN COIL UNIT	ADOPTION CAT ROOM - 110	0.02		120	1	A	13	20	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER			COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
FCU-6	FAN COIL UNIT	ADOPTION CAT ROOM - 112	0.02		120	1	A	13	20	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER			COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
FCU-7	FAN COIL UNIT	ADOPTION CAT ROOM - 112	0.02		120	1	A	13	20	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER			COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
FCU-8	FAN COIL UNIT	CORRIDOR - 130	0.07		120	1	A	14	20	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER			COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
FCU-9	FAN COIL UNIT	CORRIDOR	0.09		120	1	A	14	20	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER			COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
FCU-10	FAN COIL UNIT	CORRIDOR	0.06		120	1	A	14	20	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER			COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
FCU-11	FAN COIL UNIT	OFFICE - 107	0.07		120	1	A	14	20	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER			COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
FCU-12	FAN COIL UNIT	LAUNDRY - 114	0.07		120	1	A	14	20	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER			COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
FCU-13	FAN COIL UNIT	FOOD STORAGE - 115	0.06		120	1	A	14	20	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER			COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
FCU-14	FAN COIL UNIT	STAFF TOILET - 116	0.02		120	1	A	14	20	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER			COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
FCU-15	FAN COIL UNIT	STAFF WORK AREA - 117	0.07		120	1	A	15	20	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER			COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
FCU-16	FAN COIL UNIT	PUBLIC LOBBY - 100	0.07		120	1	A	15	20	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER			COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
FCU-17	FAN COIL UNIT	NON-PROFIT - 102/STORAGE - 103	0.06		120	1	A	15	20	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER			COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
FCU-18	FAN COIL UNIT	GROOMING 125	0.07		120	1	A	15	20	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER			COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
FCU-19	FAN COIL UNIT	INTAKE EXAM 126	0.07		120	1	A	15	20	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER			COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
FCU-20	FAN COIL UNIT	DOG ISOLATION - 127	0.07		120	1	A	15	20	1#12, #12G, 3/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER			COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
GATE(SALLY)	AUTOMATIC GATE	SALLY PORT	1.00		120	1	A	15	15	1#2, #12G, 3/4"			F,V		COORDINATE EXACT REQUIREMENTS OWNER PROVIDED EQUIPMENT
GATE(TRUCK)	AUTOMATIC GATE	SALLY PORT	1.20		120	1	A	15	15	1#10, #10G, 3/4"			F,V		COORDINATE EXACT REQUIREMENTS OWNER PROVIDED EQUIPMENT
HP-1	HEAT PUMP	EXTERIOR	18.72		208	3	EMM	8,20,22	80	3#4, #8G, 1-1/4"	UNIT MOUNTED	MECHANICAL CONTRACTOR/MANUFACTURER (NEMA 4R, 90A FUSE)			
HT-1	HEAT TRACE	EXTERIOR AT DOAU-1	0.24		120	1	EMM	13	15	2#12, #12G, 3/4"			L,P,V		
HT-2	HEAT TRACE	EXTERIOR AT DOAU-2	0.24		120	1	EMM	13	15	2#12, #12G, 3/4"			L,P,V		
HWRP-1	RECIRCULATING PUMP	BOILER ROOM 129	0.02	28	120	1	EMM	22	15	1#12, #12G, 3/4"		ELECTRICAL CONTRACTOR/ELECTRICAL CONTRACTOR	L,P,V		COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
P-1	PUMP	BOILER ROOM 129	19	.25	120	1	EMM	19	15	1#12, #12G, 3/4"		ELECTRICAL CONTRACTOR/ELECTRICAL CONTRACTOR	O,P,V,Y		COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
P-2A	PUMP	BOILER ROOM 129	0.75	1	208	2	EMM	16,18	15	2#12, #12G, 3/4"	30	ELECTRICAL CONTRACTOR/ELECTRICAL CONTRACTOR	J,L,V		
P-2B	PUMP	BOILER ROOM 129	0.75	1	208	2	EMM	16,18	15	2#12, #12G, 3/4"	30	ELECTRICAL CONTRACTOR/ELECTRICAL CONTRACTOR	J,L,V		
P-3	PUMP	CORRIDOR - 131	0.37	.5	208	2	EMM	21,23	15	2#12, #12G, 3/4"	30	ELECTRICAL CONTRACTOR/ELECTRICAL CONTRACTOR	J,L,V		COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
P-4	PUMP	CORRIDOR - 131	0.37	.5	208	2	EMM	21,23	15	2#12, #12G, 3/4"	30	ELECTRICAL CONTRACTOR/ELECTRICAL CONTRACTOR	J,L,V		COORDINATE EXACT REQUIREMENTS PER NAMEPLATE DATA
VRF CONTROLS	CONTROLS	BOILER ROOM 129	0.18		120	1	EMM	25		2#12, #12G, 3/4"			#12		

GENERAL NOTES:

- REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF MECHANICAL EQUIPMENT.
- REFER TO IESCI FOR DIVISION THAT IS RESPONSIBLE FOR PROVIDING EQUIPMENT.
- VERIFY EXACT REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH IN.
- ALL CONTROL DEVICES ARE TO BE SURFACE MOUNTED UNLESS OTHERWISE NOTED.
- PROVIDE HACR TYPE BREAKERS FOR ALL EQUIPMENT.
- PROVIDE LABEL WITH EQUIPMENT DESIGNATION AND POWER SOURCE AT EACH DISCONNECT AND/OR STARTER.

STARTER/DISCONNECT NOTES:

- MANUAL MOTOR STARTER
- MANUAL MOTOR STARTER - TWO SPEED CONTROLLER
- MAGNETIC STARTER
- COMBINATION MAGNETIC STARTER
- COMBINATION TWO SPEED MAGNETIC STARTER
- PACKAGED CONTROL UNIT
- CONTACTOR
- CAPACITORS
- ELECTRIC THERMOSTAT
- NON-FUSED DISCONNECT
- MOA SWITCH IN COVER
- MOUNT DISCONNECT NEAR UNIT
- MANUAL MOTOR STARTER WITH RELAY (RELAY TO ACCOMMODATE DDC CONTROL)
- DUPLEX CONTROLLER WITH ALTERNATION CIRCUIT
- PROVIDE DUPLEX RECEPTACLE FOR EQUIPMENT CONNECTION
- PROVIDE MOTOR RATED SWAP SWITCH
- PROVIDE REMOTE EMERGENCY POWER OFF BUTTON, LOCATED AS NOTED ON DRAWINGS
- FURNISHED WITH EQUIPMENT
- SPLIT SYSTEM WITH CONNECTION AT EXTERIOR UNIT (PROVIDE RACEMAN FROM EXTERIOR UNIT TO INTERIOR UNIT) VERIFY EXACT REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH IN
- LOCATE CONTROLLER OUTS DE OF ELEVATOR SHAFT AND ELEVATOR MACHINE ROOM
- REFER TO EQUIPMENT CONNECTION RESPONSIBILITIES DETAIL AND PROVIDE ALL DEVICE, EQUIPMENT, AND WIRING REQUIRED UNDER AREA OF RESPONSIBILITY.
- DESIGNATION NUMBER INDICATES EQUIPMENT NUMBER
- PROVIDE DISCONNECT CAPABLE OF BEING LOCKED IN OPEN POSITION
- PROVIDE OVERLOADS, SIZES AS REQUIRED BY DIVISION SUPPLYING THE EQUIPMENT
- 'AU' INDICATES CONTROL DEVICE LOCATED AT UNIT
- PROVIDE LAMKOD LABEL WITH EQUIPMENT DESIGNATION AND POWER SOURCE AT EACH DISCONNECT SWITCH AND STARTER.
- PILOT LIGHT IN COVER
- STOP/START PUSH-BUTTON IN COVER

FIRE ALARM NOTES:

- FIRE ALARM FAN SHUTDOWN
- PROVIDE SHUNT TRIP BREAKER AND CONNECTION TO FIRE ALARM SYSTEM
- PROVIDE CONNECTION TO BUILDING SMOKE DETECTOR THROUGH FIRE ALARM SYSTEM.



JACKSON COUNTY
ANIMAL RESCUE CENTER AND GREEN ENERGY PARK
 DILLSBORO, NORTH CAROLINA

SHEET ISSUE	NO.	DATE	DESCRIPTION	BY
1	09/20/20	ISSUE FOR 90-PERMIT	RMF	

PRINCIPAL IN CHARGE: ALM
 PROJECT ENGINEER: CDC
 DRAWN BY: TMW

SHEET TITLE:
ELECTRICAL SCHEDULE

SHEET NO:
E-602

PROJ NO:
 019216.00