

ELECTRICAL PLAN

SCALE: 1/4" = 1'-0"

PANEL "A": 300A - MLO - 120/240V - 1φ - 4W 10K ALC - FLUSH - 40 SLOTT											
CIR. NO.	LOCATION	TRIP/POLES	WIRE SIZE	LOAD	L1 KW	L2 KW	LOAD	WIRE SIZE	TRIP/POLES	LOCATION	CIR. NO.
1	LED Ltg. LIVING AREA	5A/1P	14TW	0.16	0.63		0.16	12TW	20A/1P	RESTROOMS	2
3	LED Ltg. HANGER	"	"	0.31	1.30		0.30	14TW	"	GFI RECEPT	4
5	PIR LED FLOOD Ltg	"	"	0.22			1.08	14TW	5A/1P	REF.	6
7	HANGER CLG FANS (4)	"	"	0.72	1.80		1.08	12TW	REF.	HANGER GFI RECEPT.	8
9	FORCH CLG FANS (4)	"	"	1.44	3.60		2.16	12TW	20A/1P	240V RECEPT	10
11	LED DOOR Ltg.	"	"	0.36	1.80		1.44	10TW	30A/2P	W/CIR. N/12	12
13	GELING RECEPT.	20A/1P	12TW	0.36	1.80		1.44	10TW	30A/2P	240V RECEPT	14
15	STORAGE RECEPT.	"	"	1.08	2.52		1.44	10TW	20A/1P	W/CIR. N/16	16
17	LIVING RTR RECEPT.	"	"	1.08	2.52		1.44	10TW	20A/1P	W/CIR. N/16	18
19	SHED	"	"	1.08	5.08		4.00	10TW	40A/1P	W/CIR. N/20	20
21	E.H.H. - 11 KW NBT.	60A/2P	6TW	5.50	5.94		1.44	10TW	30A/2P	POWER LIFT DOOR	22
23	W/CIR. N. 23	"	"	5.50	5.94		1.44	10TW	W/CIR. N/24	"	24
25	MINI-SPLIT N-1 - 5T	"	"	2.05	3.15		1.08	10S	MINI-SPLIT N-2	"	26
27	W/ CIR. N. 27	"	"	2.05	3.15		1.08	10S	W/ CIR. N. 28	"	28
29	SPARE	"	"	1.08	2.16		1.08	10S	SPARE	"	30
31	"	"	"	1.08	2.16		1.08	10S	"	"	32
33	"	"	"	1.08	2.16		1.08	10S	"	"	34
35	"	"	"	1.08	2.16		1.08	10S	"	"	36
37	"	"	"	1.08	2.16		1.08	10S	"	"	38
39	"	"	"	1.08	2.16		1.08	12TW	20A/2P	WELL PUMP	40
FEEDER SIZES: L1 28.31 KW / 120 V = 238.9 AMPERS L2 21.96 KW / 120 V = 183.0 AMPERS				28.31		21.96					

Electrical SYMBOLS

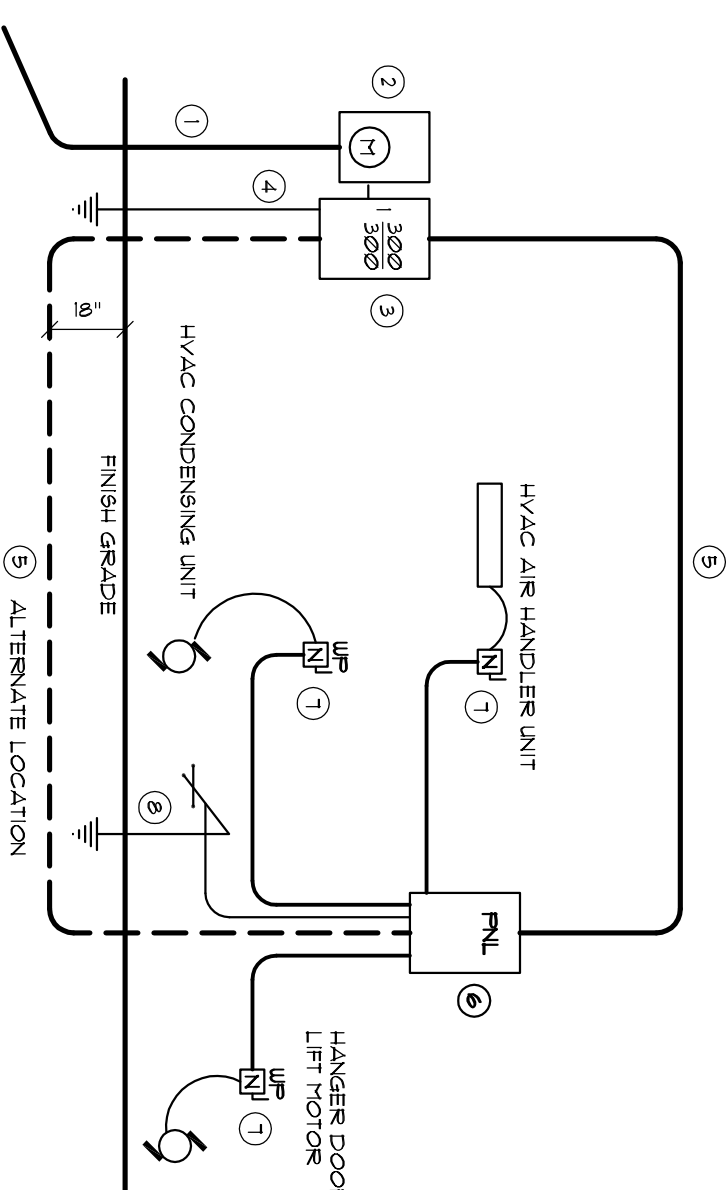
POWER

- ⊕ DUPLEX WALL RECEPTACLE
- ⊕ DUPLEX WALL RECEPT. BELOW COUNTER
- ⊕ 240V OUTLET
- ⊕ GND FAULT INTERRUPTER DUPLEX RECEPT.
- ⊕ WEATHER PROOF GFI DUPLEX RECEPT.
- ⊕ DUPLEX CEILING GFI RECEPTACLE
- ⊕ JUNCTION BOX
- ⊕ MOTOR (SP - SUBVERSIBLE PUMP)
- ⊕ ELECTRICAL PANEL
- ⊕ ELECTRICAL PANEL
- ⊕ EXHAUST FAN
- ⊕ SMOKE DETECTOR 120V
- ⊕ NON-FLUORESC. DISC. SWITCH

LIGHTING

- ⊕ 90° WALL SWITCH
- ⊕ DPDT WALL SWITCH (3-WAY)
- ⊕ CEILING FAN W/ INC. LIGHT FIXTURE
- ⊕ 4 LAMP FLU. RECYCLING WRAP SURFACE FIXTURE
- ⊕ LED OR CFL LIGHT FIXTURE
- ⊕ DBL. LAMP INC. FLOOD LIGHT
- ⊕ SWITCH/FIXTURE WIRING
- ⊕ CONTROL WIRE / LOW VOLTAGE
- ⊕ TIME CLOCK

EQUIVALENT WATTAGES	
INC	CFL/FLU LED
40	8-12
60	13-18
75	18-22
100	23-28
150	30-35
200	38-48
250	48



ELECTRICAL RISER DIAGRAM: 200A

SCALE: NONE

ELECTRICAL PLAN NOTES

- INSTALLATION SHALL BE PER 2011 NATL. ELECTRIC CODE
- WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.
- CONSULT THE OWNER FOR THE NUMBER OF SEPARATE TELEPHONE LINES TO BE INSTALLED.
- ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE AND SHALL BE INTERLOCKED TOGETHER.
- TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.
- ALL RECEPTICALS IN SERVING ARE A AND RESTROOMS SHALL BE GROUND FAULT INTERRUPTER TYPE (GFI).
- ALL EXTERIOR RECEPTICALS SHALL BE WEATHERPROOF GROUND FAULT INTERRUPTER TYPE (WP/GFI).
- ELECTRICAL CONTR SHALL REPAIR 1/8" BUILT UP SHOP DOGS AND CUTTING FILE ELECTRICAL WORKS INCLUDING ANY RISER DIAGRAM AS BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT N., DESCRIPTION & BREAK SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPES & EQUIPMENT TYPE/VALUES/LOADS.
- OWNER SHALL PROVIDE 1 COPY OF AS-BUILT DIUGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

CUSTOM RESIDENCE and AIRCRAFT HANGER for:
DON DOWNS
CANNON CREEK AIRPARK, COLUMBIA COUNTY, FLORIDA
WALL SECTIONS

54 Years of Service
Celebrating
1972 - 2026
N.P. Gesler, Architect
ARCHITECTURE
DESIGN

NICHOLAS PAUL GESLER ARCHITECT

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DATE OF ISSUE: 02 FEB 2026
DRAWN: **2K2604**
REVISIONS: 11 MAR 2026

SHEET: **A.1**
1 OF 1

AR00007005