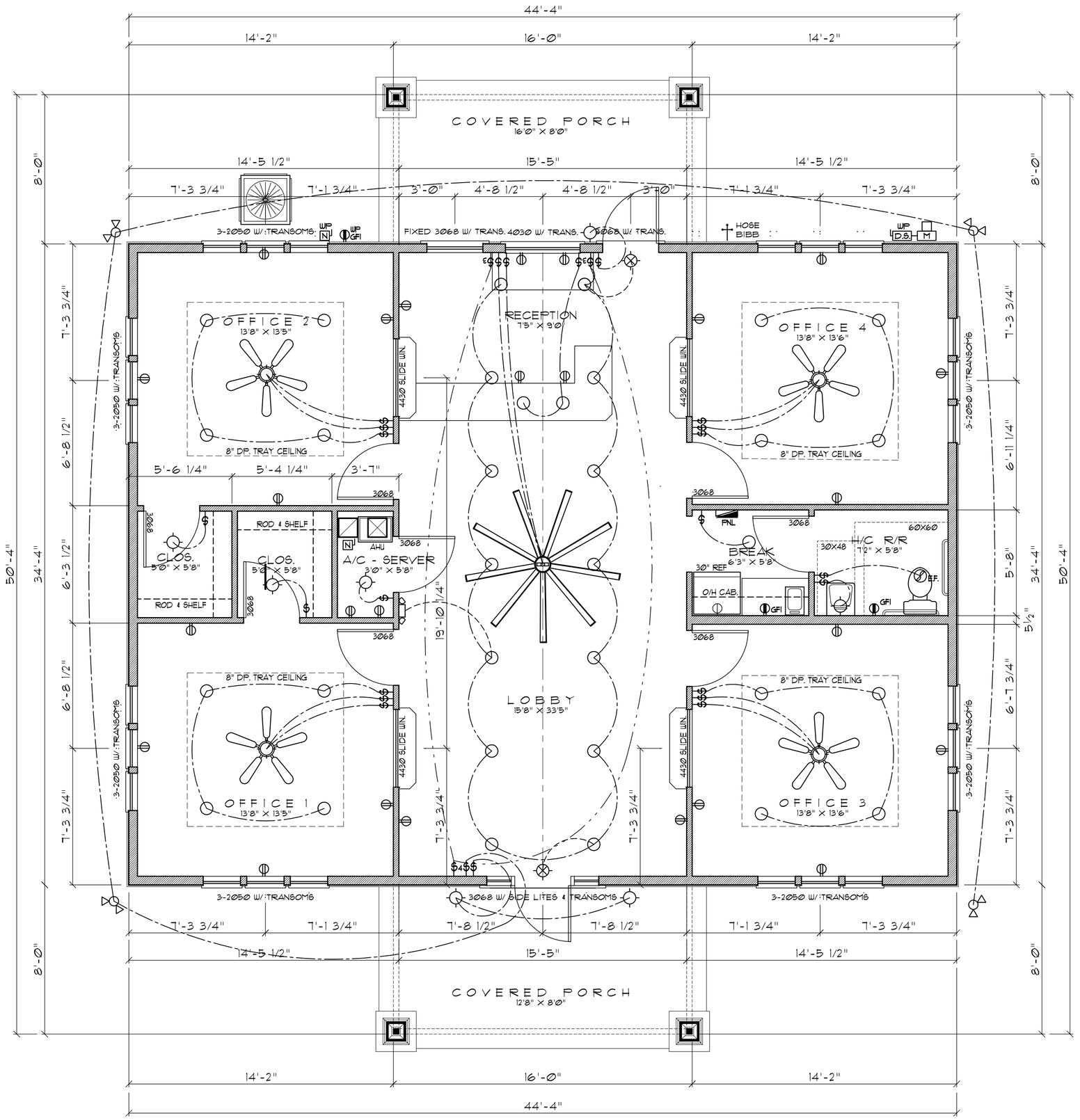


FLOOR PLAN

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

NOTE!
EMERGENCY LIGHTING AND EXIT SIGNS, SHALL BE PROVIDED AS DIRECTED BY THE FIRE MARSHAL, AND SHALL BE WIRED PER NEC 700-12R.

AREA CALCULATION

GROSS FLOOR AREA:	1522.1 SF
FRONT COVERED PORCH AREA:	128.0 SF
REAR COVERED PORCH AREA:	128.0 SF
TOTAL AREA:	1778.9 SF

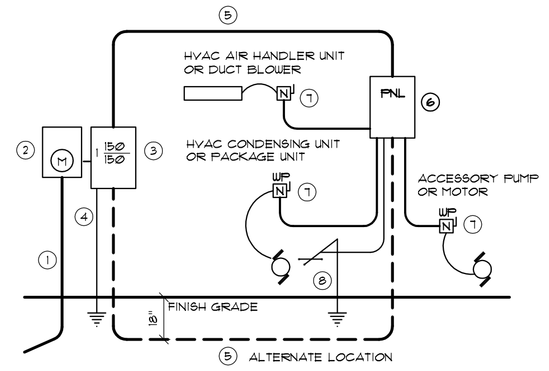
Electrical SYMBOLS

POWER

- DUPLEX WALL RECEPTACLE
- SINGLE APPL. RECPT.
- 240V OUTLET
- GFI GND FAULT INTERRUPTER DUPLEX RECEPT.
- WP GFI WEATHER PROOF GFI DUPLEX RECEPT.
- DUPLEX FLOOR RECEPTACLE
- PNL ELECTRICAL PANEL
- WP DP.S. M ELECTRICAL PANEL
- EF. EXHAUST FAN
- SD SMOKE DETECTOR, 120V
- N NON-FUSED DISC. SWITCH
- N WP NON-FUSED W/P DISC. SWITCH

LIGHTING

- $ SPST WALL SWITCH
- $3 DPDT WALL SWITCH (3-WAY)
- $4 DPDT 4-WAY WALL SWITCH
- CEILING FAN, W/ INC. LIGHT FIXTURE
- LED. LIGHT FIXTURE
- LED. HIGH HAT DOWN LIGHT
- DBL. LAMP INC. FLOOD LIGHT
- SWITCH/FIXTURE WIRING
- CONTROL WIRE / LOW VOLTAGE
- TC TIME CLOCK



1. Service/Feeder Entrance Conductors: 2½" rigid conduit, min. 18" deep, w/ continuous Ground Bonding Conductor. Service/Entrance Conductors shall not be spliced except that bolted connections at the Meter, Disconnecting Devices and Panel shall be allowed.
2. Meter Enclosure, weatherproof, UL. Listed.
3. Main Disconnect Switch: fused or Main BRKR, weatherproof, UL. Listed.
4. Service entrance Ground: ⅝" ϕ iron/steel rod x 8'-0" long and/or concrete encased foundation steel rebar x 20'-0" long. Grounding Conductor shall be bonded to each piece of Service/Entrance Equipment, and shall be sized per item 5, below.
5. 100 AMPERE SERVICE: 3-#3-THW-Cu, 1-#4-Cu-GND, 2½" Conduit.
6. House Panel (PNL), UL. Listed, sized per schedule.
7. Equipment Disconnect Switch: non-fused, in weatherproof enclosure, size according to Panel Schedule loads.
8. Provide Ground Bond Wire to metal piping, size in accordance with the Service Ground Conductor.

NOTE!
THE MINIMUM AIC RATING FOR PANEL BOARDS, BRKRS AND DISCONNECT SWITCHES SHALL BE 22,000 AIC.

ELECTRICAL RISER DIAGRAM: 100A

SCALE: NONE

PANEL SCHEDULE

PANEL "L": 200A - MLO - 120/240V - 1ϕ - 4 WIRE
40 SLOT - FLUSH MOUNT

Cir. Nr.	Location	Trip Poles	Wire Size	Load
1	OFFICE Nr.1 / 2 REC.	20A/1P	12TW	1440W
2	OFFICE Nr.3 / 4 REC.	"	"	1440W
3	RECEP. REC.	"	"	540W
4	LOBBY REC.	"	"	540W
5	60" CEILING FANS	"	"	1080W
6	8' CLG FAN	"	"	540W
7	CLG LED LTG	"	"	900W
8	RESTROOM	"	"	360W
9	O/S RECEPT.	"	"	540W
10	O/S LED LIGHTING	"	"	54W
11,13	LOT LIGHTING	30A/2P	10TW	5400W
12,14	SIGNAGE	20A/2P	12TW	1920W
13,15	HVAC CU	50A/2P	6TW	(4000W)
14,16	HVAC AHU	60A/2P	6TW	5800W
17-20	Spare	-	-	2160W

TOTAL CONNECTED LOAD: 22714W

SERVICE SIZE: 22714w / 240v = 94.6 Amperes
USE: 3 #3 THW w/ 1 #4 Cu GND / 2½" C.

ELECTRICAL PLAN NOTES

INSTALLATION SHALL BE PER 2013 NAT'L. ELECTRIC CODE.

WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.

CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.

ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER.

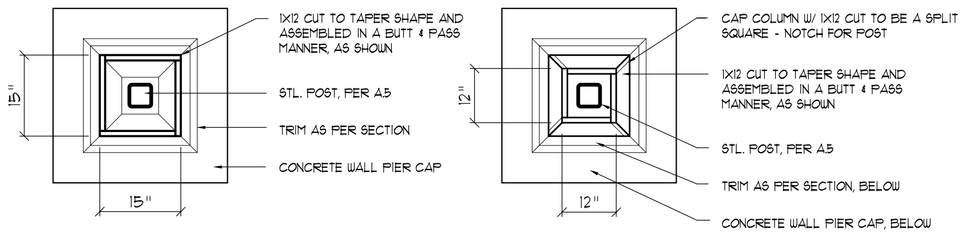
PROVIDE & INSTALL CARBON MONOXIDE DETECTORS IN ALL BEDROOMS, @ 12" ABV. FIN. FL., INTERLOCKED TOGETHER.

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, NOT OTHERWISE DESIGNATED, SHALL BE ARC FAULT INTERRUPTER TYPE, EXCEPT DEDICATED OUTLETS.

ALL EXTERIOR RECEPTICALS SHALL BE WEATHERPROOF GROUND FAULT INTERRUPTER TYPE (WP/GFI).

ELECTRICAL CONT'R SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT Nr., DESCRIPTION & BRKR, SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH, RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS.
CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.



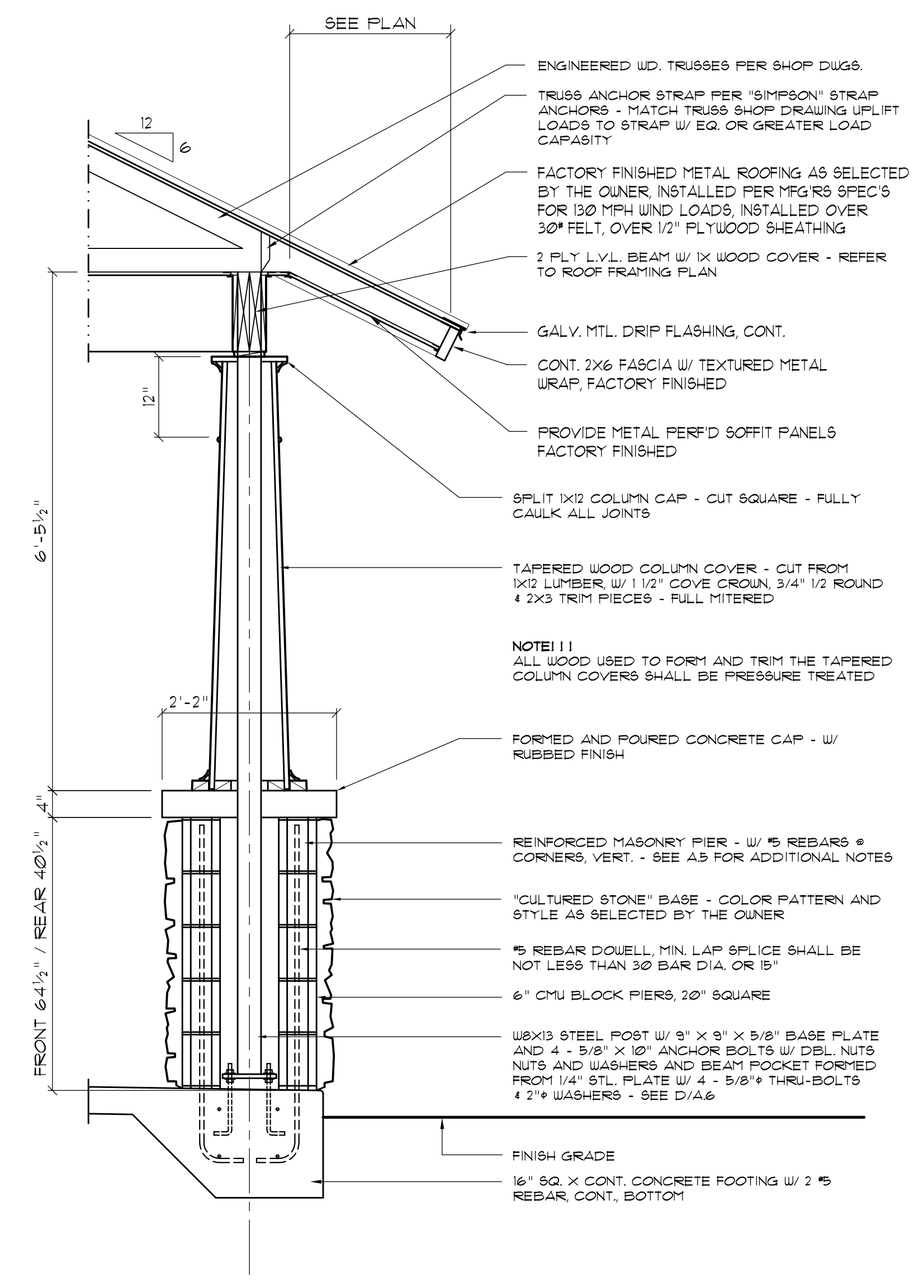
PLAN @ BASE

PLAN @ TOP

PLAN @ Taper Columns

SCALE: 3/4" = 1'-0"

A



Typ. SECTION @ Canopy

SCALE: 3/4" = 1'-0"

B

These drawings, as instruments of service, are the sole property of the architect, and may not be used, copied or reproduced in whole or in part for use on or incorporated within any other job without specific and individual authorization by the architect.

REVISION:

Copyright 2023 N.P. Geisler, Architect

DRAWN: npg

NEW OFFICE for:
KYLE McLEOD
LAKE CITY, FLORIDA
FLOOR / DIMENSION / ELECTRICAL PLAN

Celebrating 51 Years of Service
1972 - 2023
N.P. Geisler, Architect
AR0007005

CUSTOM ARCHITECTURAL DESIGN

NICHOLAS PAUL GEISLER
ARCHITECT

1758 NW Brown Rd.
Lake City, FL 32055
386-365-4355

DATE: 16 NOV2023

COMM: 2K2336

SHEET: A.2

2 OF 7

Digitally signed by N. P. GEISLER
DN: CN = N. P. GEISLER
EMAIL = AR0007005
OU = ARCHITECT
Date: 2023.11.21 17:16:
14'-05'00'

N. P. GEISLER
AR0007005