301 BICKETT

8/26/2025

A/V SYSTEM ENGINEERING DRAWINGS

DESIGNED BY:

NEUWAVE SYSTEMS
2800 HIGHWOODS BLVD.
RALEIGH, NC 27604
919.878.8747
WWW.NEUWAVESYSTEMS.COM

NOTES

301 Bickett Blvd
Raleigh, NC 27608
(enter builder name)
(enter superintendent's name)
(enter superintendents' phone number)

DRAWING REVISIONS

REV #	DESCRIPTION	DATE	BY

Security

SEC	Security Panel
	Keypad
AUX	Auxiliary Keypad
	Touchscreen
	Intercom Station
	Window/Door Switch - Wired
	Window/Door Switch - Wireless
	Motion Detector
	Glass Break Detector
SD	Smoke Detector
	H_2O Sensor
	H_2O Cut-Off
	Siren
	Doorbell
DB	Video Doorbell
	Electronic Door Lock
	Driveway Sensor
	CO_2 Sensor
AC	Access Control Panel
ES	Strike
CR	Card Reader
RTE	Request To Exit
	Door Contact
J	Junction Box

Central Vacuum

VAC	Vacuum Power Unit
	Vacuum Toe-Kick Inlet
	Vacuum Inlet

Control

	Keypad
	Touch Pad
	Touchpanel
	Volume Control
	Voice Control Module

Electrical

S	Light Switch
D	Dimmer
KP	Lighting Keypad
AKP	Auxiliary Lighting Keypad
KP/D	Keypad/Dimmer
	Fan Switch
	Plug-in Switch
	Plug-in Dimmer
	Outlet - Single
	Outlet - Duplex
	Outlet - Quad
GEN	Generator
	Surge Suppressor
UPS	UPS
	Inverter
	Photovoltaic Array
	Wind Turbine Generator
	Vehicle Charging Point
CLP	Centralized Lighting Panel
S	Shade Power Panel
	Lighting Repeater
	Auxiliary Lighting Repeater
J	Junction Box

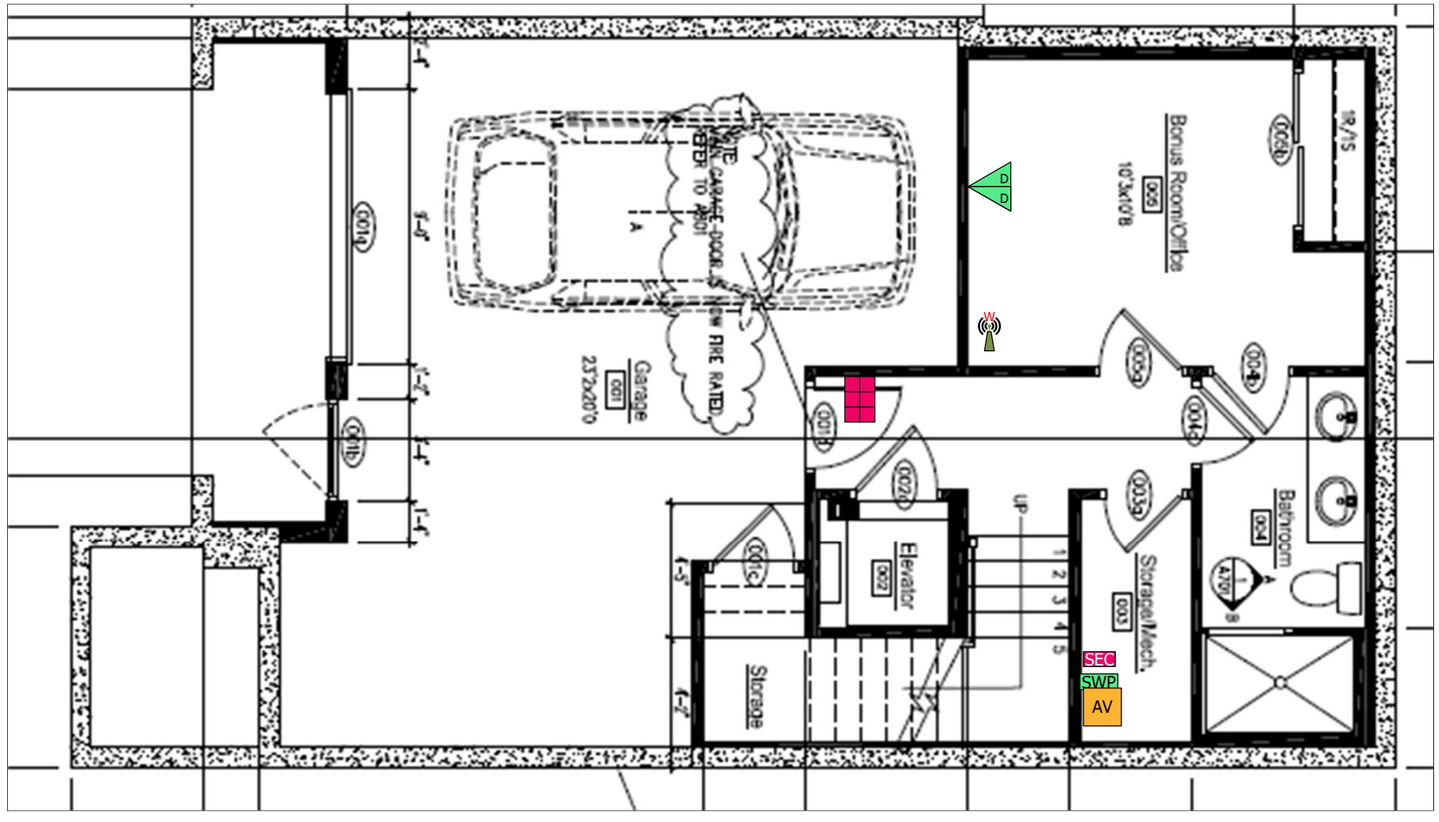
Audio/Video

AV	AV System Headend
	AV Source
	Local Source
	NVR/DVR
B	Bullet Camera
D	Dome Camera
T	Turret Camera
	Floodlight Camera
	PTZ Camera
	Wired Microphone
	Wireless Microphone
	White Board
	Flat Panel Display
	Projector
	Projection Screen
	Masking Projection Screen
LCR	LCR soundbar
LR	LR soundbar
B	Bookshelf Speaker
T	Tower Speaker
OW	On-Wall Speaker
ASW	Amplified Subwoofer
R	Rock Speaker
L	Landscape Speaker
PSW	Passive Subwoofer
P	Pendant Speaker
IW	In-Wall Speaker
IC	In-Ceiling Speaker
J	Junction Box

~all data port & WAP wiring to SW enclosure
~all TV, camera & touchpanel wiring to system HE

Environmental

T	Thermostat
H	Humidistat
TH	Thermostat/Humidity Sensor
TS	Temperature Sensor
HS	Humidity Sensor
THS	Temperature/Humidity Sensor
J	Junction Box



Structured Wiring

SWP	Structured Wiring Panel
NID	NID (Demarc)
P	Phone Port
D	Data Port
D/D	Dual Data Port
D/D/D	Triple Data Port
TV/D	TV/Data Port
TV/D/D	TV/Dual Data Port
HDMI	HDMI Patch
FLEX	Flexible Chase
FLEX	Vertical Flexible Chase
CHASE	Flexible Chase From Crawlspace To Attic
J	Junction Box

Data

N	Network Location
	LAN Switch
	Wired Access Point
	Mesh Access Point
	Printer/Copier
	CPU/Server
	POS terminal

Furnishings

RK	Rack
	Lift/Mount
	Curtains
	Wired Shade
	Wireless Shade
M	Manual Shade
	Wired Switch
	Wireless Switch
U	Wireless Universal Wallmount Controller
M	Main Repeater
R	Auxiliary Repeater
	Sofa
	Love Seat
	Seat - No Arms
	Seat - One Arm
	Seat - Two Arms
	Seat - Wedge

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HTA CERTIFIED LUXURY

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TITLE
301 BICKETT

DESCRIPTION
AV FLOOR PLAN - BASEMENT

DRAWN BY
LEONARD MAXWELL

DATE
10/24/2023

REVISED
8/26/2025

SCALE

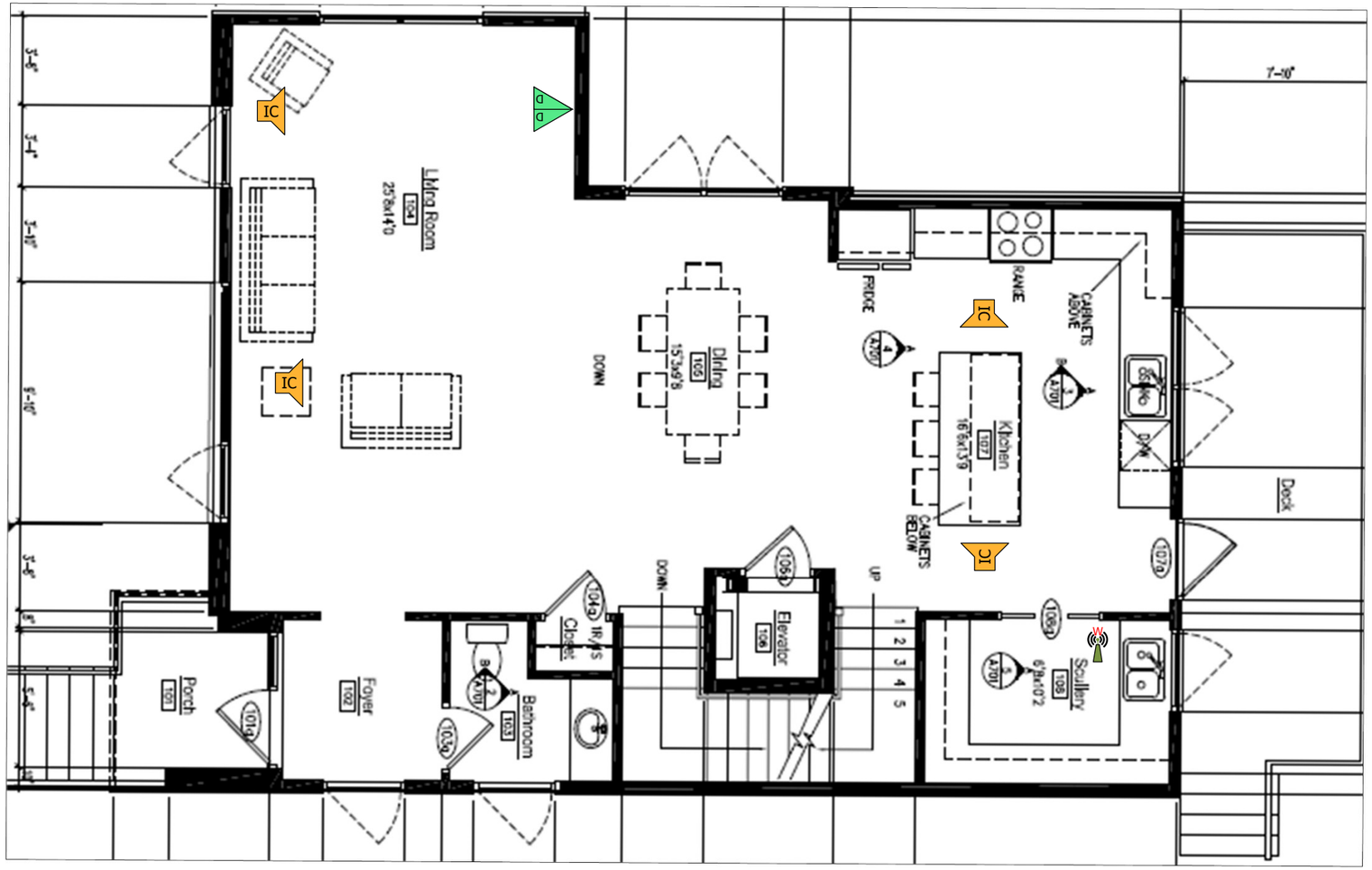
ACCOUNT NUMBER

Security	
SEC	Security Panel
	Keypad
AUX	Auxiliary Keypad
	Touchscreen
	Intercom Station
	Window/Door Switch - Wired
	Window/Door Switch - Wireless
	Motion Detector
	Glass Break Detector
SD	Smoke Detector
	H_2O Sensor
	H_2O Cut-Off
	Siren
	Doorbell
	Video Doorbell
	Electronic Door Lock
	Driveway Sensor
	CO_2 Sensor
AC	Access Control Panel
ES	Strike
CR	Card Reader
RTE	Request To Exit
	Door Contact
J	Junction Box

Central Vacuum	
VAC	Vacuum Power Unit
	Vacuum Toe-Kick Inlet
	Vacuum Inlet

Control	
	Keypad
	Touch Pad
	Touchpanel
	Volume Control
V	Voice Control Module

Electrical	
S	Light Switch
D	Dimmer
KP	Lighting Keypad
AKP	Auxiliary Lighting Keypad
KP/D	Keypad/Dimmer
	Fan Switch
	Plug-in Switch
	Plug-in Dimmer
	Outlet - Single
	Outlet - Duplex
	Outlet - Quad
GEN	Generator
	Surge Suppressor
UPS	UPS
	Inverter
	Photovoltaic Array
	Wind Turbine Generator
	Vehicle Charging Point
CLP	Centralized Lighting Panel
S	Shade Power Panel
	Lighting Repeater
	Auxiliary Lighting Repeater
J	Junction Box



Audio/Video	
AV	AV System Headend
	AV Source
	Local Source
	NVR/DVR
B	Bullet Camera
D	Dome Camera
T	Turret Camera
	Floodlight Camera
	PTZ Camera
	Wired Microphone
	Wireless Microphone
	White Board
	Flat Panel Display
	Projector
	Projection Screen
	Masking Projection Screen
LCR	LCR soundbar
LR	LR soundbar
B	Bookshelf Speaker
T	Tower Speaker
OW	On-Wall Speaker
SW	Amplified Subwoofer
R	Rock Speaker
L	Landscape Speaker
SW	Passive Subwoofer
P	Pendant Speaker
IW	In-Wall Speaker
IC	In-Ceiling Speaker
J	Junction Box

~all data port & WAP wiring to SW enclosure
~all TV, camera & touchpanel wiring to system HE

Environmental	
T	Thermostat
H	Humidistat
TH	Thermostat/Humidity Sensor
TS	Temperature Sensor
HS	Humidity Sensor
THS	Temperature/Humidity Sensor
J	Junction Box

Structured Wiring	
SWP	Structured Wiring Panel
NID	NID (Demarc)
P	Phone Port
D	Data Port
D/D	Dual Data Port
D/3	Triple Data Port
TV/D	TV/Data Port
TV/DD	TV/Dual Data Port
HDMI	HDMI Patch
FLEX	Flexible Chase
FLEX	Vertical Flexible Chase
CHASE	Flexible Chase From Crawlspace To Attic
J	Junction Box

Data	
N	Network Location
	LAN Switch
	Wired Access Point
	Mesh Access Point
	Printer/Copier
	CPU/Server
	POS terminal

Furnishings	
RK	Rack
	Lift/Mount
	Curtains
	Wired Shade
	Wireless Shade
M	Manual Shade
	Wired Switch
	Wireless Switch
	Wireless Universal Wallmount Controller
M	Main Repeater
R	Auxiliary Repeater
	Sofa
	Love Seat
	Seat - No Arms
	Seat - One Arm
	Seat - Two Arms
	Seat - Wedge

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TITLE
301 BICKETT

DESCRIPTION
AV FLOOR PLAN - 1ST FLOOR

DRAWN BY
LEONARD MAXWELL

DATE
10/24/2023

REVISED
8/26/2025

SCALE

ACCOUNT NUMBER

Security	
Security Panel	SEC
Keypad	
Auxiliary Keypad	AUX
Touchscreen	
Intercom Station	
Window/Door Switch - Wired	
Window/Door Switch - Wireless	
Motion Detector	
Glass Break Detector	
Smoke Detector	SD
H_2O Sensor	
H_2O Cut-Off	
Siren	
Doorbell	
Video Doorbell	
Electronic Door Lock	
Driveway Sensor	
CO_2 Sensor	CO_2
Access Control Panel	AC
Strike	ES
Card Reader	CR
Request To Exit	RTE
Door Contact	
Junction Box	J

Central Vacuum	
Vacuum Power Unit	VAC
Vacuum Toe-Kick Inlet	
Vacuum Inlet	

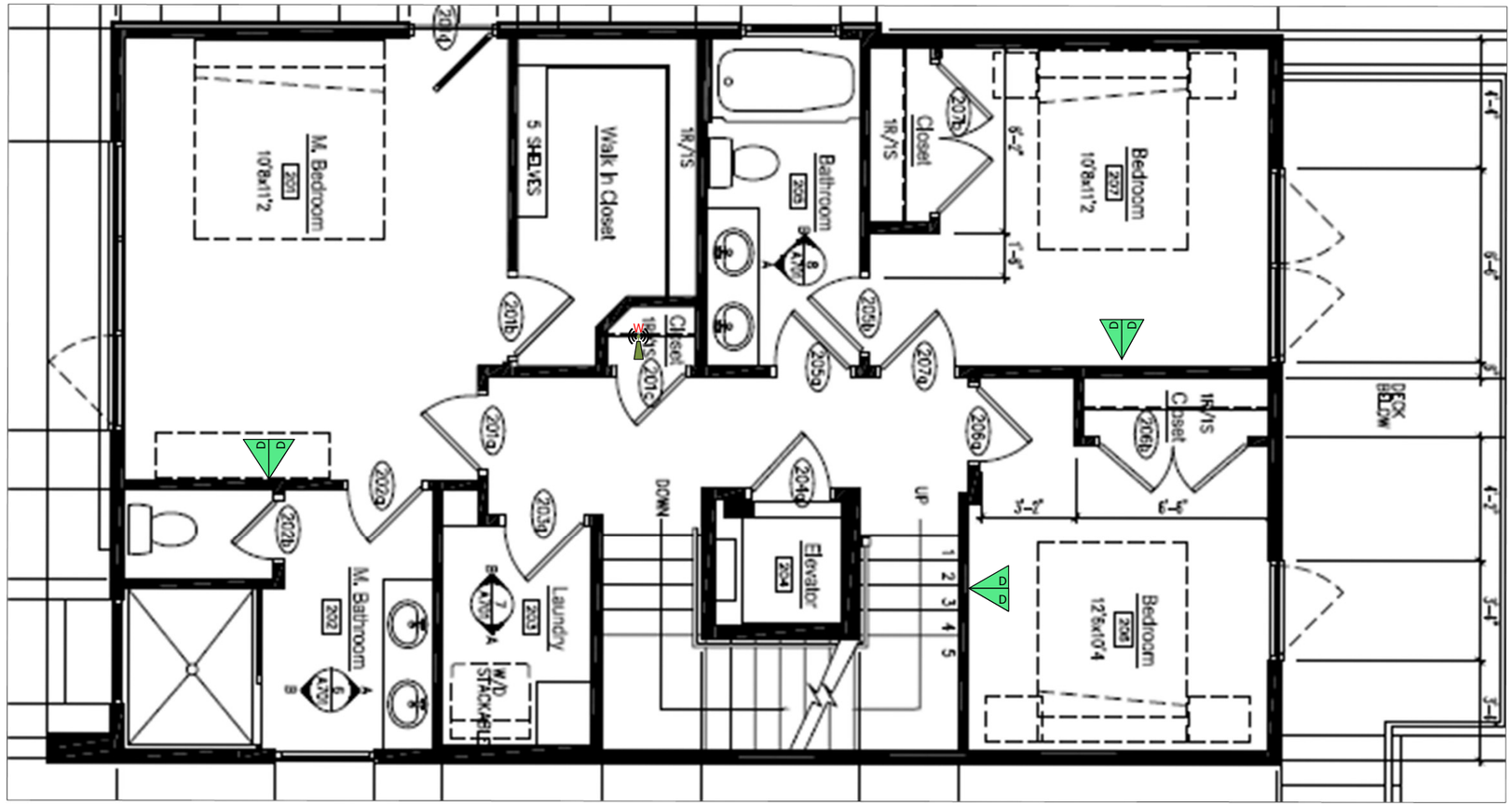
Control	
Keypad	
Touch Pad	
Touchpanel	
Volume Control	
Voice Control Module	V

Electrical	
Light Switch	S
Dimmer	D
Lighting Keypad	KP
Auxiliary Lighting Keypad	AKP
Keypad/Dimmer	KP/D
Fan Switch	
Plug-in Switch	
Plug-in Dimmer	
Outlet - Single	
Outlet - Duplex	
Outlet - Quad	
Generator	GEN
Surge Suppressor	
UPS	UPS
Inverter	
Photovoltaic Array	
Wind Turbine Generator	
Vehicle Charging Point	
Centralized Lighting Panel	CLP
Shade Power Panel	S
Lighting Repeater	
Auxiliary Lighting Repeater	
Junction Box	J

Audio/Video	
AV System Headend	AV
AV Source	
Local Source	
NVR/DVR	
Bullet Camera	B
Dome Camera	D
Turret Camera	T
Floodlight Camera	
PTZ Camera	
Wired Microphone	
Wireless Microphone	
White Board	
Flat Panel Display	
Projector	
Projection Screen	
Masking Projection Screen	
LCR soundbar	LCR
LR soundbar	LR
Bookshelf Speaker	B
Tower Speaker	T
On-Wall Speaker	OW
Amplified Subwoofer	SW A
Rock Speaker	R
Landscape Speaker	L
Passive Subwoofer	SW P
Pendant Speaker	P
In-Wall Speaker	IW
In-Ceiling Speaker	IC
Junction Box	J

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Environmental	
Thermostat	T
Humidistat	H
Thermostat/Humidity Sensor	TH
Temperature Sensor	TS
Humidity Sensor	HS
Temperature/Humidity Sensor	THS
Junction Box	J



Structured Wiring	
Structured Wiring Panel	SWP
NID (Demarc)	NID
Phone Port	P
Data Port	D
Dual Data Port	D/D
Triple Data Port	D/D
TV/Data Port	TV/D
TV/Dual Data Port	TV/D/D
HDMI Patch	HDMI
Flexible Chase	FLEX
Vertical Flexible Chase	FLEX
Flexible Chase From Crawlspace To Attic	CHASE
Junction Box	J

Data	
Network Location	N
LAN Switch	
Wired Access Point	
Mesh Access Point	
Printer/Copier	
CPU/Server	
POS terminal	

Furnishings	
Rack	RK
Lift/Mount	
Curtains	
Wired Shade	
Wireless Shade	
Manual Shade	M
Wired Switch	
Wireless Switch	
Wireless Universal Wallmount Controller	U
Main Repeater	M
Auxiliary Repeater	R
Sofa	
Love Seat	
Seat - No Arms	
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TITLE
301 BICKETT

DESCRIPTION
AV FLOOR PLAN - 2ND FLOOR

DRAWN BY
LEONARD MAXWELL

DATE
10/24/2023

REVISED
8/26/2025

SCALE

ACCOUNT NUMBER