ELECTRICAL GENERAL NOTES

1.	ALL WORK SHALL BE IN ACCORDANCE WITH ALL BUILDING CODES, REGULATIONS, ORDINANCES, LAWS, AND THE NFPA 70, NATIONAL ELECTRICAL CODE (NEC) IN EFFECT.
2.	ALL WORK SHALL BE PERFORMED IN A NEAT AND FIRST-CLASS WORKMANLIKE MANNER.
3.	BEFORE SUBMITTING BID, THE SITE SHALL BE VISITED AND EXISTING CONDITIONS EXAMINED BY THE CONTRACTOR. ANY CONFLICTS THAT WILL PREVENT THE WORK FROM BEING COMPLETED ACCORDING TO THE INTENT AND SPECIFICATIONS AND DRAWINGS SHALL BE REPORTED. NO ALLOWANCE WILL BE GRANTED FOR ABSENCE OF KNOWLEDGE OF THE WORK OR SITE.
4.	BEFORE BEGINNING WORK, SECURE ALL NECESSARY PERMITS OR CLEARANCES FROM THE AUTHORITIES HAVING JURISDICTION. CONTRACTOR SHALL BE LICENSED TO PERFORM WORK AT THE WORK LOCATION. ALL INSPECTIONS NECESSARY FOR COMPLETE ELECTRICAL INSTALLATION SHALL BE OBTAINED.
5.	ALL EQUIPMENT, SYSTEMS, AND COMPONENTS OF WORK SHALL BE THOROUGHLY TESTED, FREE FROM DEFECT, AND OPERATING PROPERLY PRIOR TO FINAL DELIVERY TO THE OWNER. ALL WORK SHALL BE GUARANTEED FOR ONE YEAR AFTER FINAL DELIVERY.
6.	ELECTRICAL DRAWINGS ARE DIAGRAMMATIC, INDICATING THE GENERAL ARRANGEMENT AND LOCATION OF ELECTRICAL WORK ONLY. COORDINATE ACTUAL LOCATIONS AND DIMENSIONS OF WORK WITH ACTUAL LOCATIONS OF OTHER TRADE'S WORK.
7.	COORDINATE WITH UTILITY COMPANIES ANY RESPECTIVE UTILITY WORK. COORDINATE LOCATION, CHARACTERISTICS, AND ANY SPECIAL REQUIREMENTS. (E.G. VOLTAGE, PHASE, REQUIRED CONDUIT SIZES, NUMBER OF CONDUITS, EXTRA DISCONNECTING MEANS, TELEPHONE CABINET SIZE, ETC.)
8.	"UL" LABELED AND LISTED DEVICES SHALL BE USED WHERE REQUIRED BY CODE. DEVICES SHALL BE NEW UNLESS NOTED OTHERWISE.
9.	COORDINATE ALL ELECTRICAL CHARACTERISTICS OF ALL EQUIPMENT WITH RESPECTIVE TRADES AND EQUIPMENT SUPPLIERS. (E.G. MECHANICAL, PLUMBING, FIRE PROTECTION, KITCHEN, DENTAL, MEDICAL, ELEVATOR, OWNER PROVIDED EQUIPMENT, ETC.)
10.	A NUMBERED TYPE-WRITTEN DIRECTORY FOR ALL NEW OR UPDATED PANELBOARDS, LOAD CENTERS, AND SWITCHBOARDS SHALL BE PROVIDED. CIRCUIT IDENTIFICATION SHALL INCLUDE SPARES, SPACES, AND DETAILS DISTINGUISHABLE FROM OTHERS.
11.	ALL ELECTRICAL EQUIPMENT SHALL BE IDENTIFIED WITH PERMANENT LABELS. EXTERIOR LABELS SHALL BE WEATHERPROOF.
12.	PANELBOARDS SHALL BE DEAD-FRONT WITH NO UNCOVERED SPACES OR MISSING KNOCKOUTS.
13.	ALL CONDUCTORS SHALL BE COPPER WITH THHN/THWN INSULATION UNLESS OTHERWISE NOTED. MINIMUM WIRE SIZE SHALL BE #14 AWG FOR 15A CIRCUITS IN DWELLING UNITS ONLY. MINIMUM WIRE SIZE SHALL BE #12 AWG FOR ALL OTHER AREAS.
14.	PROVIDE A DEDICATED NEUTRAL FOR EACH NEW CIRCUIT. SHARED NEUTRALS MAY ONLY BE USED ON BALANCED CIRCUITS THAT SHARE THE SAME CIRCUIT BREAKER (2-POLE, 3-POLE CIRCUIT BREAKERS).
15.	BRANCH CIRCUITING SHALL BE THHN COPPER IN EMT RACEWAY UNLESS OTHERWISE NOTED.
16.	TYPE MC CABLE MAY BE USED IN LIEU OF EMT FOR BRANCH CIRCUITS IN WALLS AND ABOVE CEILINGS WHERE ALLOWED BY THE NEC.
17.	RACEWAYS SHALL BE INSTALLED CONCEALED WHENEVER POSSIBLE.
18.	NUMBER OF WIRE, WIRE SIZE, AND CONDUIT SIZE MAY NOT BE SHOWN FOR ALL CIRCUITS, ONLY SHOWN WHERE CLARIFICATION IS NECESSARY. PROVIDE ACCORDING TO NEC REQUIREMENTS WHERE NOT SHOWN.
19.	PROVIDE AN ADDITIONAL EQUIPMENT GROUNDING CONDUCTOR WHEN PVC CONDUIT IS USED.
20.	PROVIDE EXPANSION JOINTS IN ALL RACEWAYS/CONDUITS AT LOCATIONS WHERE RACEWAYS/CONDUITS CROSS BUILDING EXPANSION JOINTS. PROVIDE EXPANSION JOINTS WHERE EXPANSION IS ANTICIPATED TO BE 1/4" INCH OR GREATER.
21.	ALL CONDUCTORS SHALL BE SIZED TO MEET THE VOLTAGE DROP REQUIREMENTS OF THE NEC AND ENERGY CODE WITH A MAXIMUM OF 5% COMBINED VOLTAGE DROP TOTAL FOR FEEDER AND BRANCH CIRCUITING.
22.	PROVIDE FIRE STOPPING AT ALL PENETRATIONS THROUGH RATED WALLS, FLOORS, AND CEILINGS TO MAINTAIN FIRE RATING.
23.	ALL BACK-TO-BACK ELECTRICAL BOXES IN FIRE RATED WALLS SHALL HAVE A MINIMUM HORIZONTAL SEPARATION OF 24". UL LISTED WALL OPENING PROTECTIVE MATERIALS (PUTTY PADS) MAY BE USED IN LIEU OF SEPARATION REQUIREMENTS.
24.	ALL CEILING MOUNTED LIGHTING FIXTURES SHALL BE INDIVIDUALLY SUPPORTED FROM THE STRUCTURAL FRAMING MEMBERS ABOVE.
25.	DRY-TYPE TRANSFORMERS SHALL BE RATED WITH CLASS 155 OR HIGHER INSULATION SYSTEMS AND COMPLETELY ENCLOSED EXCEPT FOR VENTILATION OPENINGS.
26.	ALL WEATHERPROOF RECEPTACLE COVERS SHALL BE EXTRA DUTY TYPE.
27.	VERIFY ALL DEVICE COLOR/FINISH WITH ARCHITECT, INTERIOR DESIGNER, OR OWNER. UNLESS OTHERWISE SPECIFIED, MATCH EXISTING COLOR/FINISH OR PROVIDE DEVICES IN COLOR: WHITE.

ELECTRICAL ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR TO CENTER OF DEVICE
AFG	ABOVE FINISHED GRADE TO CENTER OF DEVICE
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
ARCH	ARCHITECTURAL
AWG	AMERICAN WIRE GAUGE
BLDG	BUILDING
C/L	CENTERLINE
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CBB	CABLE TELEVISION BACKBOARD
CKT	CIRCUIT
COL	COLUMN
COND	CONDUIT
CT	CURRENT TRANSFORMER
CTRLS	CONTROLS
CU	COPPER
D	DEDICATED
DN	DOWN
DWG	DRAWING
E	EXISTING DEVICE
EF	EXHAUST FAN
F	FUSED
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
G/GND	GROUND
GFCI/GFI	GROUND FAULT CIRCUIT INTERRUPTER
H	HOSPITAL GRADE DEVICE
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
IG	ISOLATED GROUND
KVA	KILOVOLT-AMPERE
KW	KILOWATT
MCB	MAIN CIRCUIT BREAKER
MECH	MECHANICAL
MLO	MAIN LUG ONLY
MOD	MOTOR OPERATED DAMPER
MTR	MOTOR
N	NEW DEVICE
NEC	NATIONAL ELECTRICAL CODE
NF	NONFUSED
NL	NIGHT LIGHT
NRC	NEAREST RECEPTACLE CIRCUIT
NTS	NOT TO SCALE
PIV	POST INDICATOR VALVE
R	RELOCATED DEVICE
RTU	ROOFTOP UNIT
TBB	TELEPHONE BACKBOARD
TELE	TELEPHONE
TL	TWISTLOCK
TR	TAMPER RESISTANT
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
WH	WATER HEATER
WP	WEATHERPROOF

COMcheck Software Version 4.1.1.0

Interior Lighting Compliance Certificate

Project Information

Energy Code: 90.1 (2013) Standard
Project Title: Suite 100 Village Podiatry
Project Type: Alteration

Construction Site: Sugar Hill, GA 30518
Owner/Agent:
Designer/Contractor: Timothy Lee, TL Engineering, LLC, 5842 Norfolk Chase Rd., Peachtree Corners, GA 30092

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Healthcare Facility:Exam/Treatment	2200	1.66	3652
		Total Allowed Watts =	3652

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Healthcare Facility:Exam/Treatment (2200 sq.ft.)				
2'x4' LED: A: Other:	1	25	55	1375
2'x2' LED: B: Other:	1	9	45	405
DOWNLIGHT LED: C: Other:	1	16	25	400
4' UNDERCABINET LED: F: Other:	1	11	25	275
		Total Proposed Watts =		2455

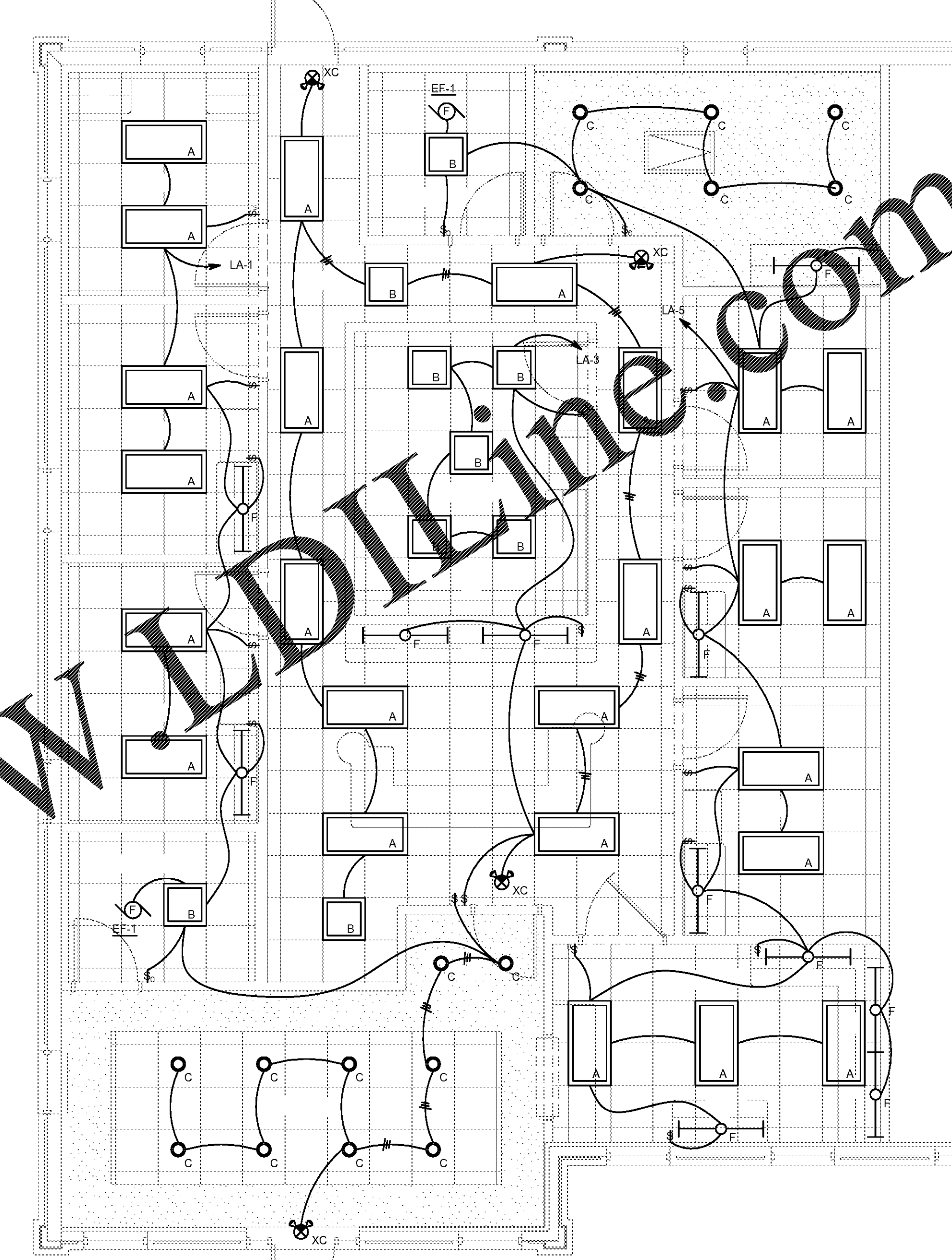
Interior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

TIMOTHY S. LEE, P.E. — Name - Title
Signature
06-26-20 — Date

Project Title: Suite 100 Village Podiatry — Report date: 06/18/20
Data filename: Y:\2020\20241 TENANT BUILDOUT SUGAR HILL PROFESSIONAL\Main\C.cck — Page 1 of 5



1 / E-2 LIGHTING PLAN
SCALE: 1/4" = 1'-0"

LIGHT FIXTURE SCHEDULE

DESIGNATION	DESCRIPTION	LAMPING	WATTS/VOLTS
A	2'x4' RECESSED LAY-IN LIGHT FIXTURE	LED	55W 120V-277V
B	2'x2' RECESSED LAY-IN LIGHT FIXTURE	LED	45W 120V-277V
C	6" DOWNLIGHT, RECESSED	LED	25W 120V-277V
F	4' UNDER CABINET LIGHT FIXTURE	LED	25W 120V-277V
XC	COMBINATION EXIT/EMERGENCY LIGHT FIXTURE WITH EMERGENCY BATTERY	LED	5W 120V-277V

NOTES:
1. COORDINATE COLOR, FINISH, TRIM, AND OTHER AESTHETICS WITH ARCHITECTURAL DRAWINGS OR OWNER.
2. PROVIDE ALL NECESSARY OPTIONS/MOUNTS/ACCESSORIES FOR THE APPROPRIATE CEILING TYPES FOR COMPLETE INSTALLATION.
3. LIGHT FIXTURES CONTROLLED BY A DIMMER SHALL BE COORDINATED TO MATCH DIMMING TYPES.
4. LIGHT FIXTURES IN LOCATIONS UNDERGROUND, SUBJECT TO WATER, OR EXPOSED TO WEATHER SHALL BE WET LOCATION LISTED. LIGHT FIXTURES IN LOCATIONS SUBJECT TO MODERATE DEGREES OF MOISTURE SHALL BE DAMP LOCATION LISTED.

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Sealed:
GEORGIA REGISTERED No. PE037597 PROFESSIONAL ENGINEER TIMOTHY S. LEE
06-26-20

Suite 101 - Village Podiatry Centers
Sugar Hill Professional Park.
4749 Nelson Brogdon Blvd., Bldg. 300 Suite 101
Sugar Hill, GA, 30518
Owner:
DR. CLIFF JOHNSON
Phone: 678-643-1742

ISSUED FOR CONSTRUCTION

ISSUED / REVISIONS:	
DATE	DESCRIPTION:

LIGHTING PLAN

E-2

HFR 20-164.00

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