LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION
A	LED 2'X2'. 3500K. 277V. 1500 LUMENS. PROVIDE WITH 0–10V DIMMABLE DRIVER. MANUFACTURER GE LVT22 SERIES
AE	SAME AS 'A' ONLY PROVIDE WITH EMERGENCY BATTERY BACKUP AND INTEGRAL TEST SWITCH. MANUFACTURER GE LVT22 SERIES
B	4" LED SQUARE DOWNLIGHT. 3500K. 277V. 1500 LUMENS. PROVIDE WITH 0–10V DIMMABLE DRIVER. MANUFACTURER GE LDX SQUARE SERIES
BE	SAME AS 'B' ONLY PROVIDE WITH EMERGENCY BATTERY BACKUP AND INTEGRAL TEST SWITCH. MANUFACTURER GE LDX SQUARE SERIES
X	277V UNIVERSAL MOUNTED LED EDGE–LIT EXIT SIGN WITH CONTINUOUS ILLUMINATION TO MATCH BASE BUILDING STANDARD. PROVIDE MIRRORED BACKING FOR SINGLE FACED. PROVIDE DIRECTIONAL ARROWS, DOUBLE OR SINGLE FACE AS INDICATED ON DRAWINGS. PROVIDE WITH EMERGENCY BATTERY BACK UP. LETTER COLOR SHALL MATCH BASE BUILDING STANDARD. MANUFACTURER: MATCH BASE BUILDING STANDARD
X1	120V LED UNIVERSAL MOUNTED THERMOPLASTIC EMERGENCY BUG EYED LIGHTS. PROVIDE WITH EMERGENCY BACK UP BATTERY. COORDINATE FINISH WITH ARCHITECT. MANUFACTURER: MATCH EXISTING

COMcheck Software Version 4.1.0.0

Interior Lighting Compliance Certificate

Project Information

Energy Code: 90.1 (2007) Standard
Project Title:
Project Type: Alteration

Construction Site: Owner/Agent: Designer/Contractor:

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Common Space Types:Office - Enclosed: Exempt			
2-Common Space Types:Office - Open Plan	6660	1.10	7326
		Total Allowed Watts =	7326

Area Category Exemption Qualifications

Activity Area	# Fixtures Pre-Alt.	# Fixtures Repl./Added	Total # Watts Pre-Alt.	Total # Watts Post-Alt.
Common Space Types:Office - Enclosed (4050 sq.ft.) Exemption: Less than 50% fixture replacement.	57	0	5088.000	5088

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)
Common Space Types:Office - Enclosed (4050 sq.ft.): Exempt				
Common Space Types:Office - Open Plan (6660 sq.ft.)				
LED 1: A: Other	1	12	25	300
LED 2: B: Other:	1	19	15	285
Linear Fluorescent 1: EX: 48" T8 32W: Electronic:	3	51	96	4896
			Total Proposed Watts =	5481

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 (2007) Standard requirements in COMcheck Version 4.1.0.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Kevin W. Price - Engineer — Name - Title; Signature; 1/6/2020 — Date

Project Title: Report date: 01/06/20
Data filename: ...\2019-1477 Franklin Street Lenox Plaza\E\COMCHECK.cck Page 1 of 5

EX PANEL H

VOLTAGE: 480 / 277 AMP: 225
PHASE: 3 MAIN: MLO

DESCRIPTION	KW	BKR	CK	PH	CK	BKR	KW	DESCRIPTION
EXISTING	6.0	70/3	1	A	2	60/3	6.0	EXISTING
---	6.0	---	3	B	4	--	6.0	--
---	6.0	---	5	C	6	--	6.0	--
EXISTING	5.0	30/3	7	A	8	20/1	3.0	EXISTING
---	5.0	---	9	B	10	20/1	3.0	EXISTING
---	5.0	---	11	C	12	20/1	3.0	EXISTING
EXISTING	3.0	20/1	13	A	14	20/1	3.0	EXISTING
EXISTING	3.0	20/1	15	B	16	20/1	3.0	EXISTING
EXISTING	3.0	20/1	17	C	19	30/1	3.0	EXISTING
#WH-2	1.5	20/1	19	A	20	20/3	3.0	EXISTING
#WH-1	4.0	20/1	21	B	22	--	3.0	--
EXISTING	3.0	20/1	23	C	24	--	3.0	--
EXISTING	3.0	20/1	25	A	26			SPACE
EXISTING	3.0	20/1	27	B	28			SPACE
EXISTING	3.0	20/1	29	C	30			SPACE

#PROVIDE NEW BREAKER

Phase A Load (kVA)	33.5	Connected kVA	104.5	93% A-B Balance	
Phase B Load (kVA)	36.0	Dem. kVA	87.0	97% B-C Balance	
Phase C Load (kVA)	35.0	Dem. Amps	104.6	96% C-A Balance	

ELECTRICAL GENERAL NOTES

1. ALL WORK THIS DIVISION SHALL COMPLY WITH ALL LOCAL BUILDING CODES, LAWS, REGULATIONS, ORDINANCES, AND THE REQUIREMENTS OF THE 2017 NATIONAL ELECTRICAL CODE WITH GEORGIA AMENDMENTS.
2. THE CONTRACTOR SHALL KEEP A RECORD OF THE CHANGES WHICH ARE IN CONFLICT WITH THESE DRAWINGS AND SPECIFICATIONS. AT THE COMPLETION OF HIS WORK HE SHALL SUBMIT "AS BUILT" PRINTS TO THE OWNER.
3. DRAWINGS ARE GENERALLY DIAGRAMMATIC AND DO NOT NECESSARILY SHOW EVERY FITTING AND DETAIL. ALL WORK SHALL BE INSTALLED SO THAT JUNCTION BOXES AND COMPONENTS WILL BE ACCESSIBLE FOR SERVICE.
4. ALL SYSTEMS, EQUIPMENT, COMPONENTS, WORK, ETC. PROVIDED UNDER THIS DIVISION SHALL BE COVERED BY A ONE YEAR GUARANTEE STARTING AT THE TIME OF FINAL ACCEPTANCE OF THE WORK BY THE OWNER. ANY DEFECTS IN THE WORK, SYSTEMS, EQUIPMENT, OR COMPONENTS FOUND DURING THIS YEAR SHALL BE CORRECTED AT NO CHARGE. THE GUARANTEE SHALL INCLUDE PROVIDING ALL NECESSARY CUTTING, PATCHWORK, REPAINTING, ETC. TO MAKE THE WORK COMPLETE AND NEW.
5. ALL EXISTING POWER DISTRIBUTION, FIRE ALARM, ECT.. JUNCTION BOXES SHALL BE RELOCATED IF LOCATED OVER A CEILING SCHEDULED TO BE GYPSUM BOARD. ALL EXISTING JUNCTION BOXES SHALL BE RELOCATED IF NECESSARY TO AN ACCESSIBLE LOCATION.
6. ALL CONDUIT MUST BE CONCEALED IN THE WALLS OR ABOVE THE CEILING UNLESS OTHERWISE NOTED. MINIMUM CONDUIT SIZE IS 1/2".
7. ALL CONDUCTORS SHALL BE COPPER WITH TYPE "THW" OR "THHN" INSULATION AND THE MINIMUM WIRE SIZE SHALL BE #12 A.W.G. WITH A 167 DEGREE TEMPERATURE RATING.
8. ALL WORK MUST BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER ACCORDING TO GENERALLY ACCEPTED PRINCIPALS OF FIRST CLASS WORKMANSHIP.
9. ARMORED CABLE MAY BE USED FOR LIGHTING CIRCUITING ABOVE CEILINGS AND MUST BE MC TYPE (WITH GROUND). PROVIDE EMT FOR CIRCUIT HOMERUNS.
10. STUB UP 3/4" EMT 6" ABOVE CEILING IN NEAREST WALL AT EACH TELEPHONE OUTLET AND COMPUTER OUTLET.
11. FASTEN ALL RECESSED LIGHTING FIXTURES TO STRUCTURE OR GRID PER N.E.C. 410–16.
12. RECESSED INCANDESCENT FIXTURES SHALL BE SUPPORTED IN COMPLIANCE WITH N.E.C. 410–65(C).
13. ALL PENETRATIONS THRU RATED WALLS, FLOORS AND CEILINGS SHALL BE FIRE STOPPED PER N.E.C. 300–21.
14. PROVIDE ALL GROUNDING AS REQUIRED BY N.E.C.
15. DEVICE MOUNTING HEIGHTS ARE TO BE MEASURED TO THE DEVICE CENTERLINE.
16. ALL SWITCHES FOR FANS, LIGHTS, ETC. WHICH ARE SHOWN TO BE MOUNTED IN THE SAME GENERAL AREA SHALL SHARE A MULTI-GANG COVER PLATE AS REQUIRED.
17. REUSE ALL REMOVED, EXISTING UNDAMAGED RECEPTACLES WHERE POSSIBLE.
18. REUSE EXISTING HOMERUNS WHERE APPLICABLE WITHIN THE DESIGN CRITERIA OF THESE DRAWINGS. ALL HOMERUNS ARE TO BE PROTECTED BY 20A/1P BREAKERS UNLESS OTHERWISE NOTED.
19. REMOVE ALL ABANDONED WIRE.
20. WHERE DEMOLITION DISRUPTS ELECTRICAL CONTINUITY OF EXISTING TO REMAIN RECEPTACLES/LIGHTS, AND NO RECONNECTION IS SHOWN, RECONNECT TO ITS EXISTING CIRCUIT.
21. ALL CONDUIT SHALL BE 1/2" EMT WITH 2#12AWG CONDUCTORS UNLESS OTHERWISE NOTED.
22. UPDATE EACH PANEL DIRECTORY NOTING ALL CHANGES AND ADDITIONS.
23. PROVIDE #12AWG GND. FOR ALL MECHANICAL EQUIPMENT UNLESS SHOWN OTHERWISE. ALL EQUIPMENT SHALL BE GROUNDED AT THE PANEL WHICH FEEDS THE EQUIPMENT.
24. COORDINATE RECEPTACLE NEMA TYPE AND VOLTAGE WITH COPIERS AND EQUIPMENT.
25. PROVIDE A NEW DIRECTORY FOR ALL PANELS. CORRECTLY LABEL ALL EXISTING CIRCUITS, NEW CIRCUITS, SPARES AND SPACES.
26. PROVIDE A SEPARATE GREEN, INSULATED, #12AWG EQUIPMENT GROUNDING CONDUCTOR ROUTED WITH THE BRANCH CIRCUIT HOMERUN CONDUCTORS.
27. WHERE RECEPTACLES ARE REMOVED OR MOVED, REUSE EXISTING CIRCUITRY IF POSSIBLE.
28. PROVIDE AN OUTLET BOX WITH A 3/4" CONDUIT STUBBED UP ABOVE CEILING FOR ALL NEW DATA AND TELEPHONE OUTLETS. PROVIDE PULL STRING. EXISTING DATA CABLES ARE TO BE REMOVED WHERE NOT USED BY THIS TENANT. COORDINATE WITH THE TENANT.
29. ROUTE 3/4" CONDUIT FROM EACH FLOOR COMMUNICATION OUTLET TO NEAREST FULL HEIGHT WALL AND STUB–UP TO NEAREST ACCESSIBLE CEILING.
30. REUSE ALL AVAILABLE AND ABANDONED CIRCUITS AND BREAKERS IN EXISTING PANELS.
31. WHERE WORK BY THE GENERAL CONTRACTOR (WALL REMOVAL, NEW OR RELOCATED WALL OPENING, ETC.) RESULTS IN THE REMOVAL, RELOCATION OR REFEEDING OF ELECTRICAL DEVICES OR LIGHTING FIXTURES, THE ELECTRICAL CONTRACTOR SHALL DISCONNECT OR RECONNECT AS REQUIRED ALL ACTIVE DEVICES REMAINING ON THAT CIRCUIT SYSTEM.
32. ALL UPPER LEVEL FLOOR SLAB PENETRATIONS SHALL BE CORE DRILLED, SLEEVED & SEALED PER LANDLORDS REQUIREMENTS.
33. ARMORED CABLE MAY BE USED IN WALLS AND MILLWORK ONLY AND MUST BE MC TYPE (WITH GROUND). ALL CONDUIT TO AND ABOVE THE PLENUM SHALL BE EMT.
34. NEUTRAL CONDUCTORS FOR CONNECTIONS TO ALL FURNITURE SYSTEMS TO BE #10 AWG.
35. ALL ROOF PENETRATIONS SHALL BE AS AUTHORIZED BY LANDLORD AND IN ACCORDANCE WITH LANDLORD REQUIREMENTS. MAINTAIN ROOF WATERTIGHT INTEGRITY.

FIRE ALARM GENERAL NOTES

1. ALL NEW FIRE ALARM DEVICES SHALL BE ADA APPROVED. COORDINATE COLOR WITH ARCHITECT AND BASE BUILDING. DEVICES TO MATCH BASE BUILDING SYSTEM MANUFACTURER. PROVIDE ANY ADDITIONAL POWER AMPLIFIERS REQUIRED FOR INSTALLATION OF NEW ADA APPROVED DEVICES.
2. ALL FIRE ALARM DEVICES, INCLUDING SPEAKERS, VISUALS, SMOKE DETECTORS, ETC. SHALL BE CONNECTED TO THE BASE BUILDING FIRE ALARM SYSTEM BY A LICENSED FIRE ALARM CONTRACTOR. COORDINATE CONNECTIONS WITH SYSTEM MANUFACTUER.
3. ALL DEVICES SHALL BE 75 OR 110 CANDELA UNLESS OTHERWISE NOTED.
4. THE ENTIRE LENS OF VISUAL FIRE ALARM DEVICES SHALL BE MOUNTED AT LEAST 80" AFF.
5. COORDINATE FIRE ALARM SYSTEM SHUTDOWNS AND REPROGRAMMING WITH LANDLORD.

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION	ON CENTER MTG. HT.
	CONCEALED CONDUIT IN CEILING OR WALL	
	CONCEALED CONDUIT IN FLOOR OR UNDERGROUND	
	EXPOSED CONDUIT	
	CIRCUIT HOMERUN TO PANEL; EACH ARROWHEAD = 1 CIRCUIT	
	NO. OF CONDUCTORS IN CONDUIT; EACH CROSSHATCH = 1 WIRE	
	FLEXIBLE CONDUIT OR S.O. CORD	
	CONDUIT STUBBED UP OR TURNED DOWN	
	SURFACE MOUNTED RACEWAY	
	MULTI OUTLET SURFACE MOUNTED RACEWAY	
	PLYWOOD BACKBOARD	
	WALL MOUNTED DUPLEX RECEPTACLE OUTLET	18"
GFI	WALL MOUNTED G.F.C.I. DUPLEX RECEPTACLE OUTLET	18"
	WALL MOUNTED DOUBLE DUPLEX RECEPTACLE OUTLET	18"
	WALL MOUNTED DOUBLE GFCI DUPLEX RECEPTACLE OUTLET	18"
	WALL MOUNTED OUTLET FOR DATA/PHONE OR AV	18"
	WALL MOUNTED SPECIAL RECEPTACLE OUTLET	AS REQ'D.
J	JUNCTION BOX – SIZE AND MOUNTING AS REQUIRED	
	120/208 VOLT PANELBOARD	
	277/480 VOLT PANELBOARD	
	WALL MOUNTED S.P.S.T. TOGGLE SWITCH	48"
D	WALL MOUNTED DIMMER SWITCH. CONFIRM COMPATIBILITY WITH LIGHT FIXTURES.	48"
P	WALL MOUNTED TOGGLE SWITCH WITH PILOT LIGHT	48"
M	MOTOR RATED TOGGLE SWITCH	
S (3/30)	DISCONNECT SWITCH (FRAME/POLES/FUSE–IF REQUIRED)	
2	MOTOR – NUMBER INDICATES HORSEPOWER (F=FRACTIONAL)	
	CEILING MOUNTED LIGHT FIXTURE	
	CEILING MOUNTED WALL WASH LIGHT FIXTURE	
	FLUORESCENT LIGHT FIXTURE	
	EXIT SIGN – CEILING, WALL MT.	
	LIGHT FIXTURE ON GENERATOR BACKUP.	
AFF/AFG	ABOVE FINISHED FLOOR/ABOVE FINISHED GRADE	
BC/AC	BELOW CEILING/ABOVE COUNTER	
WP	WEATHER PROOF	
D	FIRE ALARM SMOKE DETECTOR – WALL,CEILING MT.	12" BC
V	FIRE ALARM ADA APPROVED VISUAL ALARM – WALL MTD/CEILING MTD	80" AFF TO BOTTOM OF LENS
F	FIRE ALARM ADA APPROVED AUDIO/VISUAL ALARM – WALL MTD/CEILING MTD	
D	DUCT MOUNTED SMOKE DETECTOR	
CR / DB	WALL MOUNTED CARD READER/DOOR BELL. PROVIDE J–BOX WITH 3/4"C. STUB–UP ON SECURE SIDE OF DOOR. COORDINATE REQUIREMENTS AND CONNECTIONS WITH TENANT'S SECURITY INSTALLER.	AS REQ'D.
M	MOTORIZED DAMPER. COORD. LOCATION AND REQUIREMENTS WITH DIV 23.	
CP GFI	GFI RECEPTACLE FOR CONNECTION OF CONDENSATE PUMP LOCATED ABOVE ACCESSIBLE CEILING. COORD. LOCATION AND REQUIREMENTS WITH DIV. 23.	
	WALL MOUNTED DUPLEX RECEPTACLE OUTLET ON DEDICATED CRICUIT. PROVIDE WITH NEMA 5–20R OUTLETS.	18"
OS	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH. LUTRON MAESTRO SERIES.	48"
D/OS	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR/DIMMER SWITCH. LUTRON MAESTRO SERIES. CONFIRM COMPATIBILITY WITH LIGHT FIXTURES.	48"
	CEILING MOUNTED OCCUPANCY SENSOR – 360 DEG COVERAGE. WATTSTOPPER UT–355–3.	
P	OCCUPANCY SENSOR POWER PACK. WATTSTOPPER AS REQUIRED.	
	(2) 2–GANG WALL MOUNTED J–BOXES FOR POWER AND LOW VOLTAGE CONNECTIONS TO MODUALR FURNITURE. STUB–UP (2) 1 1/4"C. FROM LOW VOLTAGE BOX. PROVIDE 2–GANG FACEPLATE WITH 2" OPENING FOR EACH BOX. COORDINATE CONNECTIONS AND LOCATIONS WITH FURNITURE SUPPLIER/INSTALLER.	

GENERAL LEGEND NOTES:

1. DEVICE BOXES IN RATED WALLS SHALL MEET STANDARD BUILDING CODE SECTION 705.4.
2. COORDINATE DEVICE HEIGHTS WITH ARCHITECT'S PLANS AND ELEVATIONS
3. ALL FIRE ALARM DEVICES SHALL BE 110CD AND 75DBA UNLESS NOTED OTHERWISE.
4. ALL FIRE HORNS AND STROBES SHALL BE WHITE UNLESS DIRECTED OTHERWISE BY OWNER AND ARCHITECT.

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PROJECT NORTH

BW&A Barrett, Woodyard & Associates, Inc.
3495 Holcomb Bridge Road
Norcross, GA 30092
Phone (770) 810-8800

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BWA Job # 2019-1477

Hendrick
1201 Peachtree Street, NE
400 Colony Square
Suite 1900
Atlanta, GA 30361

T: 404.261.9383
F: 404.240.9398
www.hendrickinc.com

GEORGIA REGISTERED PROFESSIONAL ENGINEER KEVIN W. PRICE

No.	Date	Description
	01/08/2020	ISSUED/RELEASED FOR CONSTRUCTION

Project Name

FranklinStreet

FRANKLIN STREET
3384 PEACHTREE ROAD
NE, SUITE 650
ATLANTA, GA 30326

ISSUE
ISSUED/RELEASED FOR CONSTRUCTION

ELECTRICAL LEGEND, SCHEDULES, AND GENERAL NOTES

RS Drawn	
KP Checked	
As indicated Scale	E-0.0
01/08/2020 Date	
142-001-01 Project No.	Drawing Number

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