

NO	REVISION / SUBMISSIONS	DATE

LIGHT FIXTURE SCHEDULE									
MARK	MANUFACTURER	MODEL	VOLTAGE	REF. NOTE	MOUNTING	LAMPS PER FIXTURE	TOTAL WATTS	LAMP SIZE	REMARKS
A	COLUMBIA	LJ24-40LW-G-FA-A12F-EDU	UNV	3	RECESSED	1	34	LED	
AE	COLUMBIA	LJ24-40LW-G-FA-A12F-EDU	UNV	3	RECESSED	1	34	LED	BODINE BATTERY PACK
B	COLUMBIA	LJ24-40MMG-PSA12125-EDU	UNV	3	RECESSED	1	36	LED	
BE	COLUMBIA	LJ24-40MMG-PSA12125-EDU-ELL14	UNV	3	RECESSED	1	36	LED	BODINE BATTERY PACK
C	COLUMBIA	LXEM4-40LWRF-FA-EDU-SSL	UNV	3	PENDENT/SURFACE	1	34	LED	
CE	COLUMBIA	LXEM4-40LWRF-FA-EDU-SSL-ELL14	UNV	3	PENDENT/SURFACE	1	34	LED	BODINE BATTERY PACK
DE	FOCAL POINT	FLC4D-RO-150UL-277-LD1-T-EM-LC4RO-150UL-39KDN-CD-WP-WL	UNV	3,6,7,8	RECESSED	1	20	LED	EMERGENCY MODULE W/ INTERGRAL TEST SWITCH
U	LUMINI	KM 45 4IK 30 F FC SA E 1X2	UNV	2,3,6	SURFACE	1	20	LED	PROVIDE REMOTE DRIVERS
W1	HUBBELL	SG2-50-4KT-FTUNV-XX-20F-C	UNV	1,6,7	SURFACE	1	50	LED	
W1E	HUBBELL	SG2-50-4KT-FTUNV-XX-20F-C-E	UNV	1,6,7	SURFACE	1	50	LED	BODINE BATTERY PACK
X1	DUALITE	SE-S-R-BN-E	120	1,7	SURFACE	1	2	LED	
X2	DUALITE	SE-D-R-BN-E	120	1,7	SURFACE	1	2	LED	

- LIGHT FIXTURE SCHEDULE NOTES**
- ACCEPTABLE MANUFACTURERS, WHERE SUBMITTING EQUAL FIXTURES (AS DEEMED BY ENGINEER, ARCHITECT AND OWNER), INCLUDE: COOPER LIGHTING AND SUBSIDIARY FIXTURES, HUBBELL LIGHTING INC. AND SUBSIDIARY FIXTURES, AND LITHONIA LIGHTING (ACUTY BRANDS) AND SUBSIDIARY FIXTURES
 - "ON" OFF TO BE THRU TIMECLOCK.
 - COORDINATE WITH ARCHITECT DRAWINGS FOR EXACT LENGTHS, IN ONE FOOT INCREMENTS, PRIOR TO BIDDING AND ORDERING FIXTURES. VERIFY LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
 - PROVIDE CEILING TYPE MOUNTING AS REQUIRED, REF. ARCH. DRAWINGS.
 - PROVIDE CHAIN HANGER IN AREAS WITHOUT CEILING, REF. ARCH. DRAWINGS.
 - PROVIDE WALL OR COLUMN TYPE MOUNTING AS REQUIRED, REF. ARCH. DRAWINGS.
 - VERIFY EXACT LOCATION AND HEIGHT W/ ARCH. PRIOR TO ROUGH-IN - REF. ARCHS ELEVS FOR MORE INFORMATION. ADVISE ARCHITECT WHERE FIXTURES ARE SHOWN IN ARCHITECTURAL FEATURE.
 - VERIFY COLOR/FINISH WITH ARCHITECT PRIOR TO ORDERING.
 - PROVIDE WITH ADJUSTABLE CEILING ADAPTER OPTION FOR ALL FIXTURES INSTALLED IN SLOPED CEILING. EC TO VERIFY DEGREE OF SLOPE WITH ARCHITECT PRIOR TO ORDERING FIXTURES.
 - COORDINATE FIXTURE DIMMING COMPONENTS WITH THEATRICAL CONSULTANTS DIMMING SYSTEM PRIOR TO ORDERING.
 - TYPES AS-ALT AND AS-ALT FOR ALTERNATE BID ONLY. REFER TO SPECIFICATION 28 51 13 FOR LED TUBE LAMP SPECIFICATIONS. FIXTURE CONSTRUCTION SHALL BE MINIMUM 22 GAUGE STEEL WITH HIGH REFLECTANCE BAKED WHITE ENAMEL FINISH FOR HOUSING AND SNAP-IN REFLECTOR. DOOR FRAME SHALL HAVE TWO POSITIVE CAM LATCHES AND LENS SHALL BE 125 ACRYLIC PRISMATIC. MOUNTING SHALL BE SUITABLE FOR LAY-IN CEILING OR GYP BOARD CEILING.
 - PROVIDE REMOTE TRANSFORMERS/POWER SUPPLIES SIZE/CAPACITY AS REQUIRED FOR EACH SPECIFIC INSTALLATION. REMOTE TRANSFORMERS/POWER SUPPLIES TO BE INSTALLED ABOVE NEAREST ACCESSIBLE LIGHTING. PROVIDE ENCLOSURES AS REQUIRED AND SUITABLE FOR EACH INSTALLATION.

ELECTRICAL DISCONNECT SCHEDULE					
MARK	PANEL	DEPTH	W.P.	ABV. CEILING	
ACCU-108	2M3	9.11			
ACCU-107	2M3	13.15			
ACCU-131	2M3	5.7	2P30		
ACCU-226	2M3	1.3	2P30		
ACCU-223	2M3	21.23	2P30		
AHU-110	2M3	9.11	2P30		
AHU-107	2M3	13.15	2P30		
AHU-111	2M3	3.7	2P30		
AHU-112	2M3	25.27	2P30		
AHU-114	2M3	21.23	2P30		
DAOU-142	1M2	3	2P30		
DAOU-141	1M1	2.87	2P30		
DAOU-133	1M1	21.23	2P30		
DAOU-131	1M1	5.7	2P30		
DAOU-223	2M3	17.19	2P30		
DAHJ-105	1M1	34.36	2P30		
DAHJ-112	1M1	25.27	2P30		
DAHJ-114	1M1	21.23	2P30		
DAHJ-108	1M1	5.7	2P30		
DAHJ-109	2M3	17.19	2P30		
EF-132	2M3	10	1P30		
EF-133	2M3	35	1P30		
EF-202	2M3	2	1P30		
EF-203	2M3	31	1P30		
EF-204	2M3	33	1P30		
EF-205	2M3	12	1P30		
EF-206	2M3	14	1P30		
EF-208A	2M3	24	1P30		
EF-208	2M3	30	1P30		
EF-210	2M3	16	1P30		
EF-211	2M3	8	1P30		
EF-211A	2M3	20	1P30		
EF-212	2M3	6	1P30		
EF-212A	2M3	22	1P30		
EF-213	2M3	25	1P30		
EF-214	2M3	29	1P30		
EF-215	2M3	18	1P30		
EF-216	2M3	26	1P30		
EF-220	2M3	27	1P30		
EF-221	2M3	4	1P30		
EF-226	2M3	28	1P30		
RTU-103	1M1	20.31,33	3P/200		
RTU-113	1M1	30.32,34	3P/30		
RTU-216	2M1	22.24,26	3P/60		
RTU-219	2M2	14.16,18	3P/200		
RTU-222	2M2	20.22,24	3P/200		

ELECTRICAL SYMBOLS	
	ELECTRICAL NOTE BY SYMBOL DESIGNATION. REFER TO NOTES BY SYMBOL ON RESPECTIVE DWG.
	RECEPTACLE DUPLEX, +18" AFF (OR AS INDICATED)
	RECEPTACLE QUAD, +18" AFF (OR AS INDICATED)
	220V RECEPTACLE +18" AFF (OR AS INDICATED)
	RECEPTACLE FOR SPECIAL EQUIPMENT
	GROUND FAULT INTERRUPT PROTECTED DEVICE
	WEATHERPROOF DEVICE
	JUNCTION BOX, 4" X 4" MINIMUM WITH COVER AND GROUND FOR USE
	THERMOSTAT, FURNISHED BY OTHERS. INSTALLED & WIRE PER ARCHITECT'S MECHANICAL DRAWINGS FOR LOCATIONS.
	ELECTRICAL NOTE BY SYMBOL DESIGNATION. REFER TO NOTES BY SYMBOL ON RESPECTIVE DWG.
	SWITCH, SINGLE POLE
	SWITCH, 3-WAY
	SWITCH, 4-WAY, +48" AFF
	KEY LOCK OPERATED SWITCH, +48" AFF
	KEY LOCK OPERATED SWITCH, 3-WAY, +48" AFF
	SWITCH, OCCUPANCY SENSOR, +48" AFF
	OCCUPANCY SENSOR, CEILING MOUNTED
	LOCATION OF AUDIO/VIDEO ROUGH-IN. VERIFY EXACT ELECTRICAL DEVICES, DEVICE LOCATION.
	JUNCTION BOX, 4" X 4" MINIMUM, WITH SINGLE GANG PLASTER RING & 1" CONDUIT TURNED HORIZONTAL TO ABOVE CEILING WITH FULL TAPE, FOR DATA BY OTHERS. REFER TO TELECOM DRAWINGS FOR MORE INFORMATION.
	TYPICAL TEACHER WORKSTATION: AV-J-BOX AND DATA ROUGH IN

AUXILIARY SYSTEM SYMBOLS	
	FACP FIRE ALARM CONTROL PANEL. COORDINATE EXACT LOCATION WITH LOCAL FIRE AUTHORITY.
	FARA FIRE ALARM REMOTE ANNUNCIATOR. COORDINATE EXACT LOCATION WITH LOCAL FIRE AUTHORITY.
	VOLUME CONTROL FOR LOCAL PA SYSTEM.
	CARD READER FOR SECURE ACCESS SYSTEM.
	SPEAKER FOR GLOBAL PA / LOCAL SOUND SYSTEM. REFER TO SPECIFICATIONS FOR EXACT TYPE.
	CLOCK TO BE CIRCUITED FROM CLOSEST ROOM GENERAL RECEPTACLE CIRCUIT.
	CLOCK TO BE CIRCUITED FROM CLOSEST ROOM GENERAL RECEPTACLE CIRCUIT.

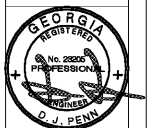
- FIRE ALARM SYSTEM NOTES**
- COORDINATE FINAL LOCATION OF ALL DEVICES WITH LIGHT AND HVAC SYSTEM DEVICES.
 - MAINTAIN CLEARANCES FROM ALL AIR MOVING DEVICES PER NFPA AND MANUFACTURER REQUIREMENTS.
 - CENTER DEVICES BETWEEN CEILING ELEMENTS AND CEILING AREAS.
 - EXACT LOCATION OF FIRE ALARM REMOTE ANNUNCIATOR TO BE APPROVED BY THE LOCAL FIRE MARSHALL.
 - ALL DEVICES TO BE INSTALLED PER ALL APPLICABLE CODES.

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CAPITAL OUTLAY
PROJECT # TBD
SYSTEM CODE: 663
SCHOOL CODE: 6752
FTE: 1793

ELECTRICAL NOTES, SYMBOLS, AND SCHEDULES



ISSUED FOR:
BID SET

JV, MP
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01/19/19
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1802
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