



NOTICE TO ALL FIRMS

Date: August 22, 2023

To: All Prospective Bidders

From: Sam Li
Deputy Director of Purchasing

Re: Addendum Number 1
IFB # C1590 – Museum Lighting (GC)

Notes:

1. Model/Series for RT1, RT2, & RT3 on Luminaire Schedule (E7.1) previously had 6A circuitry & has been corrected with 2A circuitry. Clarification shall have no effect on pricing. (See attached updated drawings)
2. LP-ECC1 & LP-ECC on Lighting Plan (E1.0) & Power & Systems Plan (E2.0) previously were shown on the drawing without a keynote & have been clarified with Keynote # 8 advising that these panels are in the subcellar. (See attached updated drawings)

Questions:

- Q1. What hours are the elevators available? What is the earliest the contractor can start?
- A1. Work hours are from 7AM-6PM. Elevators may be used before 8AM and may not be used between 8AM-6PM. Owner will work with GC to arrange deliveries and removal before 7AM.
- Q2. Where and how can the vendor take in deliveries? Is there a window to accept deliveries?
- A2. Deliveries shall occur through the front door and the (2) passenger elevators in Goodman. All deliveries through the elevator shall happen before 8AM. All other deliveries shall go through the pair of doors at the stair within the lobby of Goodman. GC shall protect the passenger elevator, lobby floor, glass doors, and walls to protect from damage. Ground floor shall be kept broom clean during work hours.
- Q3. Is the contractor responsible for controlling the dust?
- A3. Contractor is responsible for controlling dust as outlined in Division 011000 -Summary-1.9 Indoor Air Quality Control During Construction.
- Q4. Can the subcontractor percentage be changed?
- A4. We've changed the subcontracting limit from 60% to 90%. "Subcontracting *shall be permitted not to exceed 90% of the work of the project.*" Your subcontractors labor and material will count towards the 90% subcontracting limit.
- Q5. There was a large working table located at the Low Ceiling Galley. Will that table be removed by FIT prior to start of construction?

- A5. Large working table, temporary walls, platforms, display facades and loose furniture in both cellar galleries will be removed prior to construction.
- Q6. Please confirm that existing short walls, and exhibit platforms will be removed by FIT prior to start of construction.
- A6. See A5 for response.
- Q7. Are the existing walls in the galleries to be painted by the General Contractor?
- A7. No. GC shall protect walls and any damages are to be repaired to their original state.
- Q8. What size conduits are required for future fire alarm cabling as per sheet note #2 on drawing E2.0?
- A8. ¾" conduit.
- Q9. When providing the alternate for the acoustical ceiling, are the 4 ceiling mounted access doors acoustical access doors?
- A9. For alternate, access panels do not need STC ratings, however, the finish shall match the finish applied to the ceiling. Acceptable manufactures include FF System, Bauco Plus II, Karp Model RDW, and Sessa Plastering Corporation access panels.
- Q10. Clarify the duration the GC is obligated to guarantee/warranty its work. Per General Conditions section 19.01 & Contract Terms and Conditions Section 12.2 it states a (1) year is required however in Section 11.1 Terms & Conditions it states (5) years.
- A10. Guarantee & warranty shall be (1) year per XII.2.
- Q11. Please clarify the 60/40 limit on subcontracting of work. What is the criteria for determining this percentage? How do the cost of materials count vs labor performed? Does the complexity of one trade have more consideration than others? In the case where a couple trades weigh heavily on the scope it might not be feasible. This is a most unusual requirement as we have never seen such in the many years we have been in business.
- A11. See A4 for response.
- Q12. Could you please provide a summary of the leveling process prior to award?
- A12. We would first check the submitted bids for completeness, then our architect would contact the references of the apparent responsible low bidder to see if their references are of similar size and scope. If our architect finds that the apparent low bidder references are of similar size and scope and the bidder has the required qualifications and experiences, our architect would then recommend that we award to this bidder. FIT will take the architects recommendation into consideration when awarding the contract. FIT's decision is final.
- Q13. Confirm there is no fire alarm scope in this project and GC is not responsible for any fire alarm vendor costs. If there is please clarify the scope and required responsibility.
- A13. All existing fire alarm systems are to remain and the scope is limited to infrastructure including, but not limited to conduit, junction boxes, and backboxes for future fire alarm devices. GC is responsible for providing and installing infrastructure as outlined on E2.0 and corresponding sheet notes #1-4.
- Q14. If applicable please provide building FA vendor and contact information.

- A14. No coordination with FA vendor shall be required as the scope is limited to infrastructure for future devices. For record, the vendor is High Rise Fire & Security.
- Q15. Confirm GC and trades will have access through front entrance of the first-floor main lobby entrance and access will be permitted during the noted project work hours.
- A15. All deliveries shall be through the first floor main lobby and the stairs. See A1 and A2 responses for more information.
- Q16. What is the required amount of protection, temporary barricades etc. for logistics through main lobby?
- A16. Protection of the ground floor, elevators, and all glass doors are required. The GC is responsible for any damages and shall repair back to their original state. Temporary barricades are not required.
- Q17. Confirm all temp walls, platforms, display facades and loose furniture will be clear of work area at time of project start?
- A17. See A5 for response.
- Q18. Confirm all deliveries, demo carting etc. will go through front lobby entrance.
- A18. See A15 for response.
- Q19. Confirm security scope is to be performed by others.
- A19. Security scope is by others. GC to protect wires to remain for work by others. See sheet notes #7 and #8 (AD1.0) & #7 and #8 (A3.0) for scope.
- Q20. A1.0 Sheet Note #1: Please confirm this runs the entire perimeter of Tall Gallery EC08A. When the ceilings are removed and in the case the existing conditions (beams, deck, walls etc.) are in need of fire proofing or fire stopping who will be responsible to correct this condition? If the GC is responsible how are we to quantify the extent of this unforeseen condition? Will this be covered in a change order?
- A20. Firestopping is required at all new penetrations by the general contractor. All unforeseen conditions are to be brought to the attention of the owner and architect during construction to determine the appropriate means required.
- Q21. HVAC will air balancing be required? If so to what extent?
- A21. No testing and balancing are necessary if the existing balancing dampers in the system are not modified. Contractor to ensure they do not damage the existing balancing dampers in the system and shall re-balance if damaged or modified.
- Q22. Please provide address to FIT purchasing dept. website.
- A22. This is the link to the FIT purchasing dept. website
<https://www.fitnyc.edu/about/administration/finance/purchasing/index.php>
- Q23. In the event that an RFI answer does not sufficiently answer a question or poses a new question will GC be able to submit a follow up question?

- A23. If our answer doesn't address your question, you are allowed to pose a new question or submit a follow up question. As per the bid documents, "Before bidding, Bidder shall make any requests for interpretation of Bid documents or clarification of any ambiguity therein that should have been detected by a reasonably prudent Bidder." You must send those follow up questions to us as soon as possible. Do not expect a bid extension by waiting till a day or 2 before the bid due date to send in your follow up questions.
- Q24. Will the space be cleared of all displays and furniture?
- A24. See A5 for response.
- Q25. Who is providing the light fixtures package?
- A25. GC is responsible for all fixtures identified on the Luminaire Schedule
- Q26. Is there any finishing work at the walls, i.e. painting?
- A26. See A7 for response.
- Q27. Is the fire alarm work under separate contract?
- A27. See A13 for response.
- Q28. Are the bid drawings design concept drawings only? Is the current bid drawings for construction use?
- A28. Current drawings are issue for construction.
- Q29. Is this project going to be filed at the DOB?
- A29. Yes, the project will be filed and self-certified. GC is responsible for coordinating the work required for the Special Inspections identified on CP1.0

THIS ADDENDUM IS PART OF THE CONTRACT DOCUMENT AND SHALL BE INCLUDED WITH YOUR REQUEST FOR PROPOSAL SUBMITTAL. YOUR SIGNATURE BELOW WARRANTS THAT YOU UNDERSTAND THIS ADDENDUM AND THAT YOU HAVE MADE THE APPROPRIATE ADJUSTMENTS IN YOUR PROPOSAL AND CALCULATIONS.

Signature

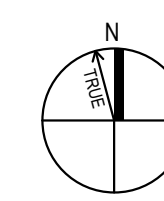
Print Name and Title of Authorized Representative

Print Name of Company/Partnership/Individual

Date

SHEET NOTES

- 1 PROVIDE NEW WALL MOUNTED EMERGENCY LIGHTING
INVERTER FOR EMERGENCY LIGHTING IN THE LOWER
GALLERY. SEE SHEET E7.2 FOR INVERTER SCHEDULE.
- 2 EXISTING EMERGENCY LIGHTING INVERTERS.
- 3 (3) EXISTING LIGHTING CONTROL CABINETS.
- 4 LIGHTING CONTROL HEAD END EQUIPMENT. BASIS OF
DESIGN IS COOPER LIGHTING SOLUTIONS' WAVELINX
WIRED AREA CONTROLLER. SEE DETAILS SHEETS FOR
TYPE AND ONE LINE DIAGRAM OF A WAVELINX SYSTEM.
CONFIRM ALL REQUIRED COMPONENTS WITH
MANUFACTURER.
- 5 PANEL HAS HAD ALL ITS CIRCUITS DISCONNECTED AND
CAPPED. PANEL HAS BEEN CONVERTED TO A LARGE
ELECTRICAL JUNCTION BOX.
- 6 PROVIDE NEW WALL MOUNTED EMERGENCY LIGHTING
INVERTER FOR EMERGENCY LIGHTING IN THE LARGE
GALLERY ROOM. SEE SHEET E7.2 FOR INVERTER
SCHEDULE.
- 7 VACANCY SENSOR FINISH TO BE BLACK.
- 8 PANELS LOCATED IN THE SUBCELLAR MAIN ELECTRICAL
ROOM.

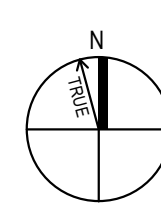


SCALE: 1/8" = 1'-0"

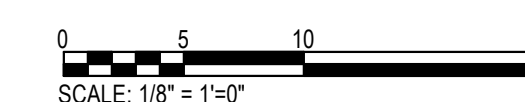


A SHADED AREA DENOTES AREA THAT IS NOT IN SCOPE

- 1 PROVIDE JUNCTION BOX AT THE CEILING FOR FUTURE FIRE ALARM DEVICE. FIRE ALARM DEVICE WILL NOT BE PURCHASED OR INSTALLED AS PART OF THE SCOPE FOR THIS PROJECT.
- 2 PROVIDE CONDUIT BETWEEN JUNCTION BOXES FOR FUTURE FIRE ALARM CABLING PATHWAY. FIRE ALARM WIRING IS NOT IN THE SCOPE FOR THIS PROJECT.
- 3 CONDUIT DOWN ALONG WALL AT THIS LOCATION. CONDUIT TO PENETRATE WALL ABOVE CEILING HEIGHT OF ADJACENT LOWER GALLERY SPACE.
- 4 SEE SLEEVE DETAIL 4 ON SHEET AS.1.
- 5 DEDICATED LOCATION FOR SPEAKER. RUN SPEAKER WIRE IN 1/2" CONDUIT ABOVE THE CEILING FROM AV CEILING TO THIS LOCATION. CONFIRM LOCATION OF AV CEILING WITH OWNER. OWNER TO PROVIDE AND CONNECT AMP AND SPEAKERS. COORDINATE WITH OWNER.
- 6 DEDICATED LOCATION FOR WIRELESS ACCESS POINT. PROVIDE TRACK MOUNTED JUNCTION BOX FROM LITELAB. RUN A CAT6 CABLE IN 1/2" CONDUIT ABOVE THE CEILING FOR DATA CONNECTION. COORDINATE TERMINATION POINT WITH OWNER. OWNER TO INSTALL WIRELESS ACCESS POINT. COORDINATE ALL REQUIREMENTS WITH OWNER.
- 7 DEDICATED LOCATION FOR LITELAB DATAPORT. PROVIDE TRACK MOUNTED DATAPORT FROM LITELAB. RUN CAT6 CABLE THRU TRACK TO THIS LOCATION. OWNER TO INSTALL FUTURE DEVICES. COORDINATE WITH OWNER.
- 8 PANELS LOCATED IN THE SUBCELLAR MAIN ELECTRICAL ROOM.

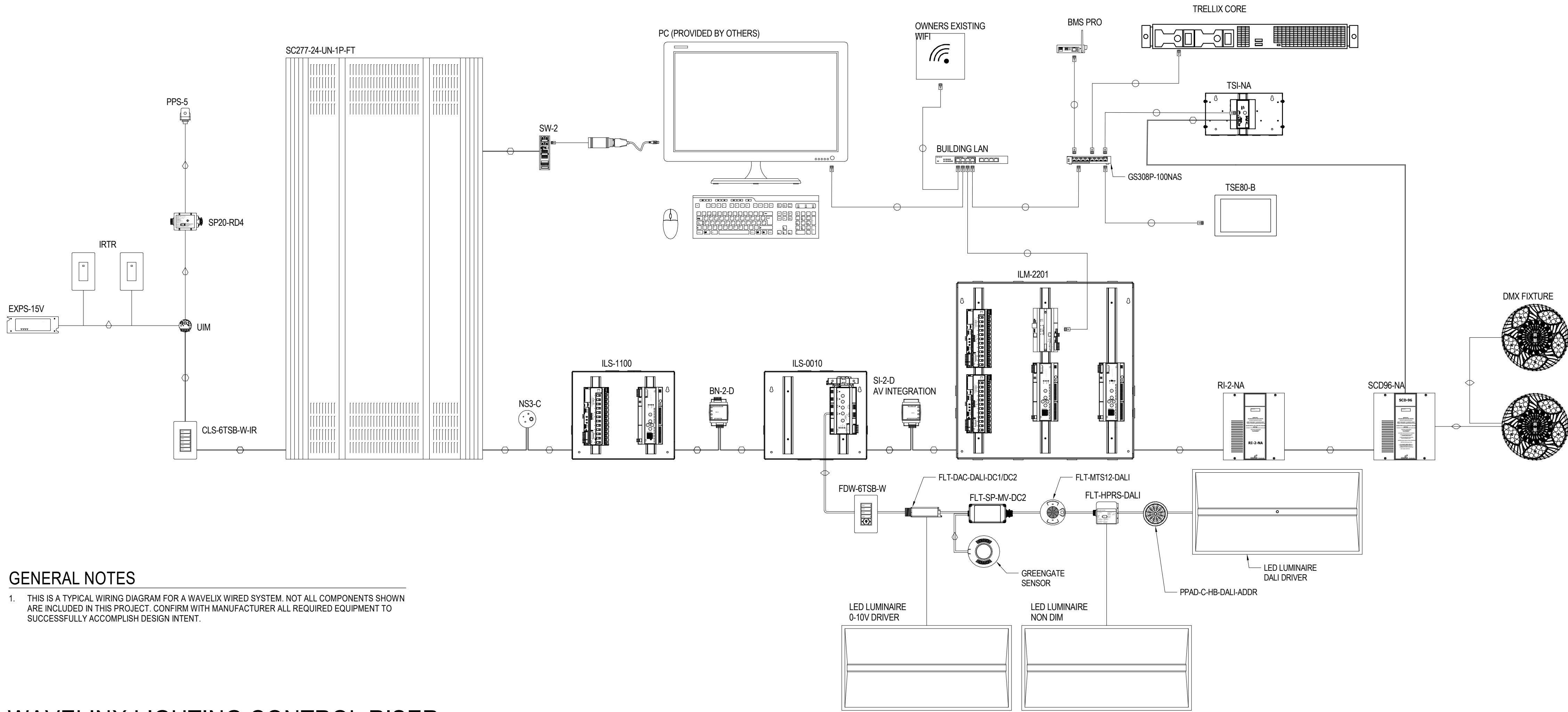


SCALE: 1/8" = 1'-0"



1
2
3
4
5

CABLES	
□ RS232	RS-232 Cable (6 feet), provided with product
○ CAN	Communication Cable, LCCNP (Non Plenum), LCCP (Plenum) or Belden 1502
○ LAN	Category 5 cable provided by others
△ LV3	Low Voltage Input wire - #18 AWG, 3 conductor wire
◇ RS485	RS-485 Network Cable, GG8841(Non Plenum), GG89841(Plenum) or Belden 9841 (Non Plenum), Belden 89841 (Plenum)
◁ LV2	Low Voltage Input wire - #14 AWG, 2 conductor wire



GENERAL NOTES

1. THIS IS A TYPICAL WIRING DIAGRAM FOR A WAVELIX WIRED SYSTEM. NOT ALL COMPONENTS SHOWN ARE INCLUDED IN THIS PROJECT. CONFIRM WITH MANUFACTURER ALL REQUIRED EQUIPMENT TO SUCCESSFULLY ACCOMPLISH DESIGN INTENT.

WAVELINX LIGHTING CONTROL RISER

SCALE: 8" = 1'-0"

LIGHTING SEQUENCE OF OPERATIONS

ENERGY CODE: ASHRAE 90.1 - 2016	CONTROL TYPE					
	OCCUPANCY (AUTO ON)	VACANCY (MANUAL ON)	TIME OUT PERIOD (MIN)	TIMELOCK CONTROL	PHOTOCELL CONTROL	NETWORKED
SPACE TYPE						
CELLAR GALLERY - LOW CEILING		X	20 MIN	X		X
CELLAR GALLERY - HIGH CEILING		X	20 MIN	X		X

GENERAL NOTES:

A. LIGHTING CONTROLS INDICATED ARE FOR REFERENCE ONLY AND MUST BE COORDINATED WITH CONTROLS SHOP DRAWINGS FOR EXACT QUANTITIES OF SENSORS, DEVICES, AND ALL NECESSARY CONNECTIVITY EQUIPMENT.

B. PROVIDE UL924 RELAYS FOR EMERGENCY LIGHTING TO ALLOW FULL CONTROLS UNDER NORMAL CONDITIONS. EMERGENCY LUMINAIRES SHALL TURN FULL "ON" UPON LOSS OF NORMAL POWER.

C. PROVIDE NUMBER OF ZONES AS INDICATED ON PLANS AND LIGHTING CONTROL ZONE SCHEDULES.

D. COORDINATE ALL FIXTURE DIMMING TYPES WITH LUMINAIRE SCHEDULE.

E. COMPLETE COMMISSIONING OF CONTROL SYSTEM AND PROVIDE REPORT TO ENGINEER OF REVIEW.

F. VERIFY ALL ON/OFF, OCCUPIED/UNOCCUPIED TIMES WITH OWNER PRIOR TO PROGRAMMING.

SCHEDULE NOTES:

1. TIMELOCK HOURS OF OPERATION SHALL BE SET BY THE OWNER UPON COMMISSIONING OF THE SYSTEM.

2. AREA ON BOTH TIMELOCK AND OCCUPANCY/VACANCY DURING NON-BUSINESS HOURS. WHEN THE TIMELOCK WOULD HAVE THE LIGHTING OFF, THE OCCUPANCY/VACANCY SENSORS WILL CONTROL THE LIGHTING IN THE AREA ALONG WITH THE LOCAL CONTROLLER.

3. IN OCCUPANCY/VACANCY MODE, ALL FIXTURES SHALL TURN OFF AFTER TIMEOUT PERIOD.

4. LUMINAIRES IN THE SPACE ARE CONTROLLED BY LIGHTING CONTROL TOUCHSCREEN(S) WITHIN THE SPACE. SEE PLANS FOR QUANTITY AND LOCATION. TOUCHSCREEN(S) SHALL CONTROL ALL ZONES WITHIN THE SPACE. ZONES ARE DESIGNATED BY LOWER CASE LETTER ADJACENT TO FIXTURE.

LUMINAIRE SCHEDULE

LUMINAIRE SCHEDULE																					
LUMINAIRE CRITERIA				PRODUCT INFORMATION				SOURCE		ELECTRICAL INFORMATION						ADDITIONAL INFORMATION					
TYPE	DESCRIPTION	FINISH	LOCATION	MANUFACTURER	MODEL OR SERIES	LAMP	LUMENS	FT	COLOR TEMP	CRI	DIMMING TYPE	POWER SUPPLY	VOLTAGE	WATTAGE	FT	MOUNTING	MOUNTING HEIGHT	QUANTITY	COMMENTS	ACCESSORIES	DETAIL NUMBER
R1A	RECESSED 4 INCH DOWNLIGHT; BLACK MATTE FINISH; MEDIUM BEAM SPREAD	BLACK/BLACK REFLECTOR	LOWER/UPPER GALLERY	GOTHAM	EVO4-27/20-BR-LD-MD-MVOLT-GZ10-X-X-T RBL	LED	2000		2700K	90+	0-10V	INTEGRAL ELECTRONIC DIMMING DRIVER	120V	19.5W		RECESSED	RECESSED	SEE DRAWINGS			
RT1	RECESSED TRACK 2-CIRCUIT TRACK; NOMINAL 1-1/16 INCH BY 2-3/8 INCH HEIGHT BY LENGTHS AS SHOWN ON DRAWINGS	BLACK	HIGH CEILING GALLERY	LITE LAB	<div><div>BUS11R-2A</div><div>BUS40R-2A</div><div>BUS11R-2A</div></div>	N/A	N/A		N/A	N/A	NON-DIM	INTEGAL ELECTRONIC DRIVER	120V	N/A	FT	RECESSED	RECESSED	FIELD VERIFY	CONTRACTOR TO FIELD VERIFY TRACK LENGTHS BEFORE ORDERNG MANUFACTURER TO PROVIDE TEST FIXTURES TO CONTRACTOR TO TEST TRACK DURING INSTALLATION ADD ALT FOR BUS11R IS BUS20R		
RT2	RECESSED TRACK 2-CIRCUIT TRACK; NOMINAL 1-1/16 INCH BY 2-3/8 INCH HEIGHT BY LENGTHS AS SHOWN ON DRAWINGS	BLACK	LOW CEILING GALLERY	LITE LAB		N/A	N/A		N/A	N/A	NON-DIM	INTEGAL ELECTRONIC DRIVER	120V	N/A	FT	RECESSED	RECESSED	FIELD VERIFY	CONTRACTOR TO FIELD VERIFY TRACK LENGTHS BEFORE ORDERNG MANUFACTURER TO PROVIDE TEST FIXTURES TO CONTRACTOR TO TEST TRACK DURING INSTALLATION		
RT3	SAME AS TYPE RT1 EXCEPT 1-CIRCUIT TRACK WITH DATAPORT	BLACK	HIGH CEILING GALLERY	LITE LAB		N/A	N/A		N/A	N/A	NON-DIM	INTEGRAL ELECTRONIC DRIVER	120V	N/A	FT	RECESSED	RECESSED	FIELD VERIFY	CONTRACTOR TO FIELD VERIFY TRACK LENGTHS BEFORE ORDERNG MANUFACTURER TO PROVIDE TEST FIXTURES TO CONTRACTOR TO TEST TRACK DURING INSTALLATION ADD ALT FOR BUS11R IS BUS20R	PROVIDE ACCESSORIES PER ARCHITECTURAL AND ELECTRICAL COORDINATION: DATA PORT	
RT4	SAME AS TYPE RT2 EXCEPT 1-CIRCUIT TRACK WITH DATAPORT	BLACK	LOW CEILING GALLERY	LITE LAB		N/A	N/A		N/A	N/A	NON-DIM	INTEGRAL ELECTRONIC DRIVER	120V	N/A	FT	RECESSED	RECESSED	FIELD VERIFY	CONTRACTOR TO FIELD VERIFY TRACK LENGTHS BEFORE ORDERNG MANUFACTURER TO PROVIDE TEST FIXTURES TO CONTRACTOR TO TEST TRACK DURING INSTALLATION	PROVIDE ACCESSORIES PER ARCHITECTURAL AND ELECTRICAL COORDINATION: DATA PORT	
T1A	TRACK MOUNTED STATIC OPTIC OBJECT LUMINAIRE; 15 DEGREE, 25 DEGREE AND 35 DEGREE OPTIC KITS; ON BOARD POTENTIOMETER DIMMING	BLACK	LOWER GALLERY	LITE LAB	C20-L14-27-9TC-E-1-P-A-MB-X	LED	1450		2700K	95+	ON-BOARD ELV	INTEGRAL ELECTRONIC DIMMING DRIVER	120V	23W		TRACK	VARIES	1			
T1B	SAME AS TYPE T1B EXCEPT WITH RGBW LED SOURCE; ON BOARD POTENTIOMETER DIMMING	BLACK	LOWER GALLERY	LITE LAB	C30-RGBW-9HC-W-C-P-A-MB	LED	1450		RGBW	90+	ON-BOARD ELV	INTEGRAL ELECTRONIC DIMMING DRIVER	120V	23W		TRACK	VARIES	1			
T1C	TRACK MOUNTED ZOOM OPTIC LUMINAIRE; NOMINAL 3 INCH DIAMETER BY 6 INCH HEIGHT; 15 DEG-35 DEG OBJECT LUMINAIRE; ON BOARD POTENTIOMETER DIMMING	BLACK	LOWER GALLERY	LITE LAB	C2Z-L14-27-9TC-E-1-P-A-MB	LED	1450		2700K	95+	ON-BOARD ELV	INTEGRAL ELECTRONIC DIMMING DRIVER	120V	23W		TRACK	VARIES	1			
T1D	TRACK MOUNTED WALL WASH LUMINAIRE; NOMINAL 3-INCH DIAMETER BY 6 INCH HEIGHT; ON BOARD POTENTIOMETER DIMMING	BLACK	LOWER GALLERY	LITE LAB	C2W-L14-27-9TC-E-1-P-A-MB	LED	1450		2700K	95+	ON-BOARD ELV	INTEGRAL ELECTRONIC DIMMING DRIVER	120V	23W		TRACK	VARIES	1			
T1E	TRACK MOUNTED PROJECTOR; NOMINAL 3 INCH DIAMETER BY 8 INCH HEIGHT; 11 DEGREE, 22 DEGREE, 33 DEGREE AND 54 DEGREE OPTIC OPTION; PROVIDE WITH GOBO CARRIER ACCESSORY; ON BOARD POTENTIOMETER DIMMING	BLACK	LOWER GALLERY	LITE LAB	A3P-L18-27-9TC-E-1-P-A-MB	LED	1800		2700K	95+	ON-BOARD ELV	INTEGRAL ELECTRONIC DIMMING DRIVER	120V	29W		TRACK	VARIES	1			
X1	CEILING MOUNT EDGE LIT EXIT SIGN; RED LETTERS; ARROWS AS SHOWN ON DRAWINGS	BRUSHED ALUMINUM	LOWER GALLERY	LITHONIA	LRP-X-X-RMR-X-120/277	LED	N/A		RED	N/A	N/A	INTEGRAL ELECTRONIC DRIVER	UNV	4W		SURFACE	VARIES	SEE DRAWINGS	PROVIDE SINGLE OR DOUBLE FACE AS REQUIRED		
GENERAL NOTES:																					
A. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL LUMINAIRES; INFORM LIGHTING DESIGNER OF CONFLICTS AND COORDINATE ALL LOCATIONS WITH DUCTWORK AND PIPING.																					
B. CONTRACTOR IS RESPONSIBLE TO REVIEW ARCHITECTURAL DRAWINGS TO CONFIRM CEILING TYPES IN ALL ROOMS (ACCESSIBLE, EXPOSED OR "HARD") AND TO USE THE APPROPRIATE WIRING METHOD FOR EACH TYPE.																					
ENSURE ALL J-BOXES ARE ACCESSIBLE AFTER ALL OTHER TRADE'S WORK IS COMPLETED. DO NOT LOCATE ANY J-BOXES ON "HARD" CEILINGS; ALL WIRING MUST BE ACCESSIBLE THROUGH LUMINAIRE ONLY IN...																					
C. ALL LOW VOLTAGE CABLING TO LIGHTING FIXTURES AND CONTROL DEVICES SHALL BE PLENUM RATED.																					
D. EXIT SIGNS TO BE CIRCUITED TO NEAREST EMERGENCY CIRCUIT SERVING THE SPACE.																					
SCHEDULE NOTES																					