

GENERAL NOTES

- THE FIRE ALARM RISER DIAGRAM ONLY INCLUDES NEW FIRE ALARM DEVICES. REFER TO FLOOR PLAN DRAWING TO VERIFY EXACT QUANTITY OF DEVICES.
- THE FIRE ALARM RISER DIAGRAM IS PROVIDED FOR REFERENCE ONLY AND IS NOT INTENDED TO DESCRIBE THE SYSTEM ARCHITECTURE AND DOES NOT INCLUDE ALL NECESSARY INFORMATION TO INSTALL THE SYSTEM. THE INSTALLED SYSTEM MUST MEET ALL REQUIREMENTS OF THE NFPA AND AHJ.
- THE FIRE ALARM SYSTEM IS DESIGNED TO UTILIZE HORN MODULES FOR AUDIBLE NOTIFICATIONS.
- ALL NEW FIRE ALARM VISUAL NOTIFICATION DEVICES IN THE SCOPE OF WORK AREA MUST BE ADA COMPLIANT.
- THE FIRE ALARM AUDIBLE DEVICE SHALL HAVE A SOUND LEVEL AT LEAST 15 dBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5 dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, THROUGHOUT THE AREA OF WORK.
- ALL EXISTING AND NEW FIRE ALARM DEVICES INSTALLED IN THE AREA OF WORK SHALL CONFORM WITH ALL STANDARDS AND REQUIREMENTS OF ADA, UL, ANSII AND NFPA. EXISTING NON-COMPLIANT DEVICES IN THE SCOPE OF WORK AREA SHALL BE REPLACED IN PLACE WITH NEW COMPLIANT DEVICES. VISUAL (STROBE) DEVICES SHALL BE EQUIPPED WITH FIELD SELECTABLE WITH MINIMUM 15 AND MAXIMUM 110 CANDELA RATED LIGHT OUTPUT OPTION AND SIMULTANEOUS FLASH RATE OF 1 TO 3 Hz.
- ALL SOUND MASKING, WHITE NOISE, PA AND SIMILAR SYSTEMS MUST BE DEACTIVATED WHEN AN ALARM SIGNAL IS INITIATED BY THE FIRE ALARM SYSTEM. CONTRACTOR TO PROVIDE MODULES TO INTERFACE WITH THE FIRE ALARM SYSTEM AS REQUIRED.
- THE FIRE ALARM SYSTEM IS TO BE CLEAR OF ALL TROUBLE AND ALARM SIGNALS AT THE END OF EACH DAY INCLUDING ANY REPROGRAMMING REQUIRED BY THE TEMPORARY OR PERMANENT REMOVAL OF EXISTING DEVICES.
- CONTRACTOR TO REPROGRAM THE EXISTING FIRE ALARM SYSTEM UPON COMPLETION OF ANY MODIFICATIONS TO THE SYSTEM AS REQUIRED. UNLESS OTHERWISE NOTED, MAINTAIN AND MATCH EXISTING SEQUENCE OF OPERATIONS.
- ALL FIRE ALARM WORK MUST BE COORDINATED WITH THE OWNER AND BUILDING ENGINEER AT LEAST 3 DAYS PRIOR TO INSTALLATION. THE FIRE ALARM SYSTEM MUST REMAIN OPERATIONAL AS THE BUILD OUT OCCURS. OBTAIN WRITTEN PERMISSION FROM THE OWNER PRIOR TO THE INTERRUPTION OF THE BUILDING FIRE ALARM SYSTEM. THE CONTRACTOR MUST FOLLOW ALL BUILDING OWNER PROTOCOLS AND CODE REQUIREMENTS FOR A FIRE ALARM INTERRUPTION.
- THE BUILDING FIRE ALARM SYSTEM IS MONITORED BY "DATAWATCH SYSTEMS", PHONE NUMBER 301-280-4321.
- CONTRACTOR TO PREPARE AND SUBMIT FIRE ALARM SHOP DRAWINGS TO THE ENGINEER AND THE FIRE MARSHAL FOR REVIEW AND FINAL APPROVAL. CONTRACTOR TO BE PRESENT DURING FINAL INSPECTION AND TESTING BY THE FIRE MARSHAL. SHOP DRAWINGS SHALL INCLUDE:
 - SYSTEM RISER DIAGRAM AND FLOOR PLAN WITH DEVICE ADDRESSES, CONDUIT SIZES AND WIRE TYPE AND SIZES
 - FIRE ALARM EXTENDER PANEL, IF REQUIRED
 - COMPONENT WIRING DIAGRAMS
 - PRODUCT DATA SHEETS AND EQUIPMENT DESCRIPTION
 - BATTERY SIZE CALCULATIONS
 ANY REVISIONS AND ADDITIONS REQUIRED BY THE AHJ PRIOR TO OBTAINING THE CERTIFICATE OF OCCUPANCY ARE THE RESPONSIBILITY OF THE CONTRACTOR.

RESTROOM RENOVATION
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PHASE 2:
MUSIC BUILDING
DANCE BUILDING
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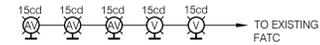
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Title FIRE ALARM RISER
DIAGRAMS AND
SCHEDULES

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Drawing By
CHK By
Scale AS NOTED

DOB Rev
E-502.00



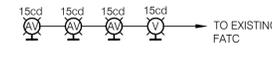
FIRST FLOOR

3 PARTIAL FIRE ALARM RISER (PHYSICAL EDUCATION)
E-502.00 SCALE: NTS



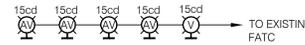
FIRST FLOOR

2 PARTIAL FIRE ALARM RISER (DANCE INSTRUCTIONAL FACILITIES)
E-502.00 SCALE: NTS



BASEMENT LEVEL

1 PARTIAL FIRE ALARM RISER (MUSICAL INSTRUCTIONAL FACILITIES)
E-502.00 SCALE: NTS



FIRST FLOOR

4 PARTIAL FIRE ALARM RISER (LIBRARY BUILDING)
E-502.00 SCALE: NTS

LIGHTING FIXTURE SCHEDULE										
TYPE	SYMBOL	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LUMENS	LAMP	WATTAGE	QUANTITY	VOLTAGE	REMARKS
L1	—	CELESTA LINEAR TAPE LIGHT, WHITE METAL CHANNEL	LUCETTA LIGHTING	VP-24CEL150-30-XX-SLWH-3M-010	166 LM / FT	LED	1.8W/FT	193 FT	120/277 V	QUANTITY IS IN LINEAR FEET. REFER TO FLOOR PLANS FOR EXACT FIXTURE LENGTH
L2	⊙	4-INCH ROUND ALL-PURPOSE LED RETROFIT MODULE, 3000K, 90CRI, MATTE WHITE FINISH	COOPER LIGHTING	LCR4-08-9FS-E010-1MW	800 LM	LED	10W	60	120/277 V	
L4	—	NEORAY DEFINE 3, WITH INTEGRATED DRIVER, DIRECT/INDIRECT, WHITE FINISH	COOPER LIGHTING	S123DW-C-5600-755U-9-30-1-U	5600 / 755U	LED	4.8W/FT	46 FT	120/277 V	QUANTITY IS IN LINEAR FEET. REFER TO FLOOR PLANS FOR EXACT FIXTURE LENGTH
L5	⊙	IN/OUT CIRCULAR LED PENDANT, 3" DIA, 3000K, 93CRI, WHITE FINISH	DELRAY LIGHTING	UDCkC-3-W-W30-D-EM	5438 LM	LED	75W	2	120 V	SEPARATE REMOTE MOUNTING
NOTES: 1. PROVIDE FIXTURES WITH ALL NECESSARY ACCESSORIES TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM. 2. COORDINATE WITH ARCHITECT FOR ALL FIXTURE FINISHES, LENS ACCESSORIES, CEILING TYPE AND MOUNTING REQUIREMENTS. 3. CONDUCTOR SIZE FEEDING ALL EMERGENCY LIGHT FIXTURES SHALL BE #10 AWG, OR SHALL MATCH EXISTING CONDUCTOR SIZE. 4. ALL EMERGENCY LIGHT FIXTURES SHALL BE FED VIA #10 AWG, UNLESS OTHERWISE NOTED ON PLAN. ALL EMERGENCY LIGHTING SHALL BE APPROVED WITH INTEGRAL OR REMOTE BATTERY BACKUP. 5. ALL DIMMER SWITCHES MUST BE COMPATIBLE WITH DIMMABLE BALLASTS. CONTRACTOR TO ENSURE ALL SWITCHES ARE RATED TO ACCOMMODATE THE LOAD REQUIREMENTS OF ASSOCIATED LIGHTING CIRCUIT. 6. UNLESS OTHERWISE NOTED, ALL FLUORESCENT FIXTURES SHALL BE PROVIDED WITH (3500K) or (4100K) LAMPS. 7. UNLESS OTHERWISE NOTED, ALL LIGHT FIXTURES INDICATED ON PLANS AS TO BE CONTROLLED WITH A DUAL SWITCHING SYSTEM SHALL BE PROVIDED WITH (50% STEP-DIM) or (TWO) BALLASTS AND DRIVERS. 8. ALL APPLICABLE LIGHT FIXTURES, SWITCHES, BALLASTS AND ASSOCIATED ACCESSORIES MUST BE COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM SERVING THE SPACE.										

MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE												
UNIT MARK	UNIT DESCRIPTION	VOLTAGE / PHASE	HP	LOAD KW	FLA	MCA	MOCP IN PANEL	UNIT DISCONNECT SWITCH			FEEDER	REMARKS
								SIZE	TYPE	FURNISHED BY		
EF-1	EXHAUST FAN	120/1	0.06	0.12	0.96	1.2	20	-	SM	DIV.26	2 #12 + 1 # 12G IN 3/4" C	AUTOMATIC TIMER SWITCH TO TURN OFF EXHAUST FAN.
ABBREVIATIONS: SM - MOTOR RATED SWITCH; NFSS - NON FUSED SAFETY SWITCH; FSS - FUSED SAFETY SWITCH; VFD - VARIABLE FREQUENCY DRIVE NOTES: 1. ALL OUTDOOR DISCONNECT SWITCHES SHALL BE IN NEMA 3R ENCLOSURE TYPE, UNLESS OTHERWISE NOTED. 2. ALL FUSE SIZES FOR EQUIPMENT DISCONNECT SWITCH SHALL BE BASED ON THE EQUIPMENT NAME PLATE DATA AND EQUIPMENT MANUFACTURER RECOMMENDATIONS. 3. CONTRACTOR TO PROVIDE ELECTRICAL CONNECTIONS FOR ALL ASSOCIATED CONDENSATE PUMP, CONTROL PANEL, ALARM AND MISCELLANEOUS ACCESSORY DEVICES SERVING 4. ALL FUSES SHALL BE DUAL ELEMENT TYPE.												