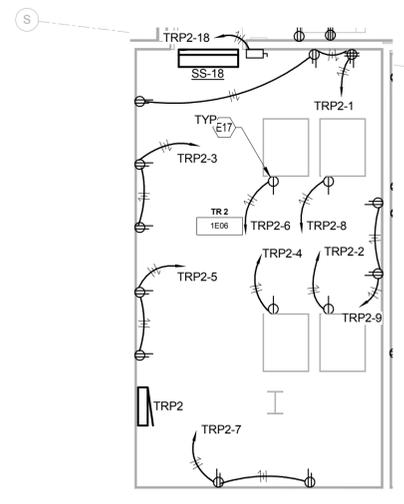
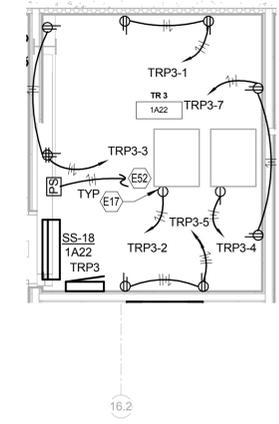


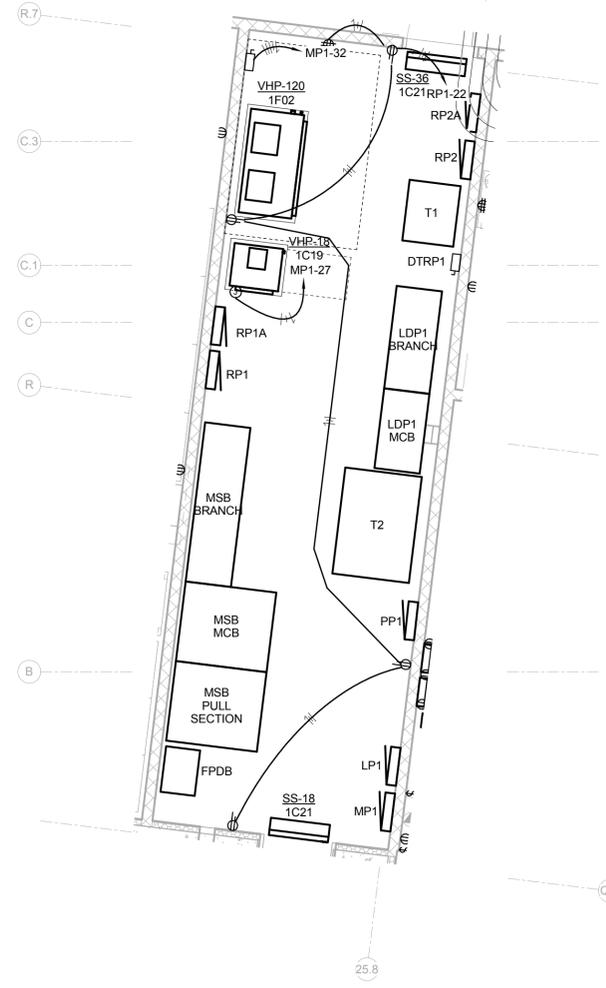
1 ENLARGED TR1 1C25 FLOOR PLAN - POWER
1/4" = 1'-0"



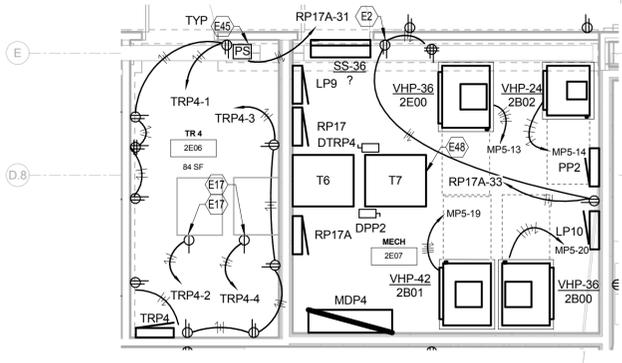
2 ENLARGED TR2 1E06 FLOOR PLAN - POWER
1/4" = 1'-0"



3 ENLARGED TR3 1A22 FLOOR PLAN - POWER
1/4" = 1'-0"



4 ENLARGED ELECTRICAL ROOM 1C21 FLOOR PLAN - POWER
1/4" = 1'-0"



5 ENLARGED ROOMS 2E06, 2E07 FLOOR PLAN - POWER
1/4" = 1'-0"

TAGGED NOTES	
E2	120V CONNECTION FOR DDC CONTROL PANEL. COORDINATE EXACT LOCATION WITH HVAC CONTROLS CONTRACTOR.
E17	20A, 120V TWISTLOCK RECEPTACLE MOUNTED AT BOTTOM OF RACK TO ALLOW FOR CONNECTION TO PDU.
E45	POWER SUPPLY FOR ELECTRIFIED DOOR. REFER TO DOOR DETAILS ON SHEET E508 AND E509 FOR ADDITIONAL INFORMATION.
E48	MOUNT TRANSFORMER T7 ABOVE T6. PROVIDE STRUCTURAL METAL FRAMING TO SUPPORT TRANSFORMER, COORDINATE REQUIREMENTS WITH TRANSFORM MANUFACTURER.
E52	REFER TO SHEET EP112 FOR CONTINUATION.
E54	REFER TO SHEET EP116 FOR CONTINUATION.
E55	EXTEND 4#10, #10G SO FLEXIBLE CORD FROM UPS OUTPUT BREAKERS (20A/3P) IN UPS RACK. REFER TO SHEET ET602 FOR ADDITIONAL INFORMATION. TERMINATE IN RECEPTACLE IN TOP OF DODEA LAN RACK FOR CONNECTION TO RACK MOUNTED PDU.
E69	20A, 120/28V 3 PHASE, 4 WIRE TWISTLOCK (FOR CONNECTION TO RECEPTACLE. 20A, 120/208V, 3 PHASE 4 WIRE PLUG WITH RACK MOUNTED PDU).

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APPROVED	DATE	APPR
FOR COMMANDER NAVFAC ACTIVITY		
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BWR	KDM	BKB
PMCM		
BRANCH MANAGER		
CHIEF ENG ARCH		
FIRE PROTECTION		
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON DODEA MARINE CORPS BASE QUANTICO, VIRGINIA QUANTICO, VA REPLACE QUANTICO M/H SCHOOL ENLARGED POWER PLANS		
SCALE:	1/4" = 1'-0"	
PROJECT NO.:	P-021	
CONSTR CONTR NO.:	W91236-15-C-0023	
NAVFAC DRAWING NO.:	13091382	
SHEET	628 OF 789	
	EP403	

EWING COLE
Federal Reserve Bank Building
100 North 6th Street
Philadelphia, PA 19106-1590
Tel: 215-923-2020 Fax: 215-574-0852

LIGHTING CONTROLS SEQUENCE OF OPERATIONS

- OCCUPANCY SENSORS SHALL TURN LIGHTING ON 50% UPON ENTERING ROOM AND SHALL TURN LIGHTING ON 100% MANUALLY.
- OCCUPANCY SENSORS SHALL TURN LIGHTING ON 15 MINUTES UPON EXITING ROOM. TIME LIMIT SHALL BE ADJUSTABLE.
- ALL SPACES SHALL BE PROVIDED WITH MEANS TO MANUALLY OVERRIDE CONTROLS.
- EXTERIOR BUILDING MOUNTED LIGHTING SHALL BE CONTROLLED VIA PHOTOCELL/TIMECLOCK/BUILDING LIGHTING CONTROLS SYSTEM MOTION SENSORS. ALL EXTERIOR LIGHTING SHALL AUTOMATICALLY GO TO FULL ON IF THE BUILDING SECURITY SYSTEM GOES INTO ALARM.
- EXTERIOR POLE MOUNTED LIGHTING SHALL BE CONTROLLED VIA PHOTOCELL/TIMECLOCK/BUILDING LIGHTING CONTROLS SYSTEM. ALL EXTERIOR LIGHTING SHALL AUTOMATICALLY GO TO FULL ON IF THE BUILDING SECURITY SYSTEM GOES INTO ALARM.
- LEARNING SPACES (WITH OR WITHOUT DAYLIGHTING CONTROLS); SEPARATE ZONE OF LIGHTING CONTROL SHALL BE PROVIDED FOR ROW OF LIGHTS ON TEACHING WALLS (SMARTBOARD) FROM REMAINING FIXTURES IN THE SPACE

TAGGED NOTES

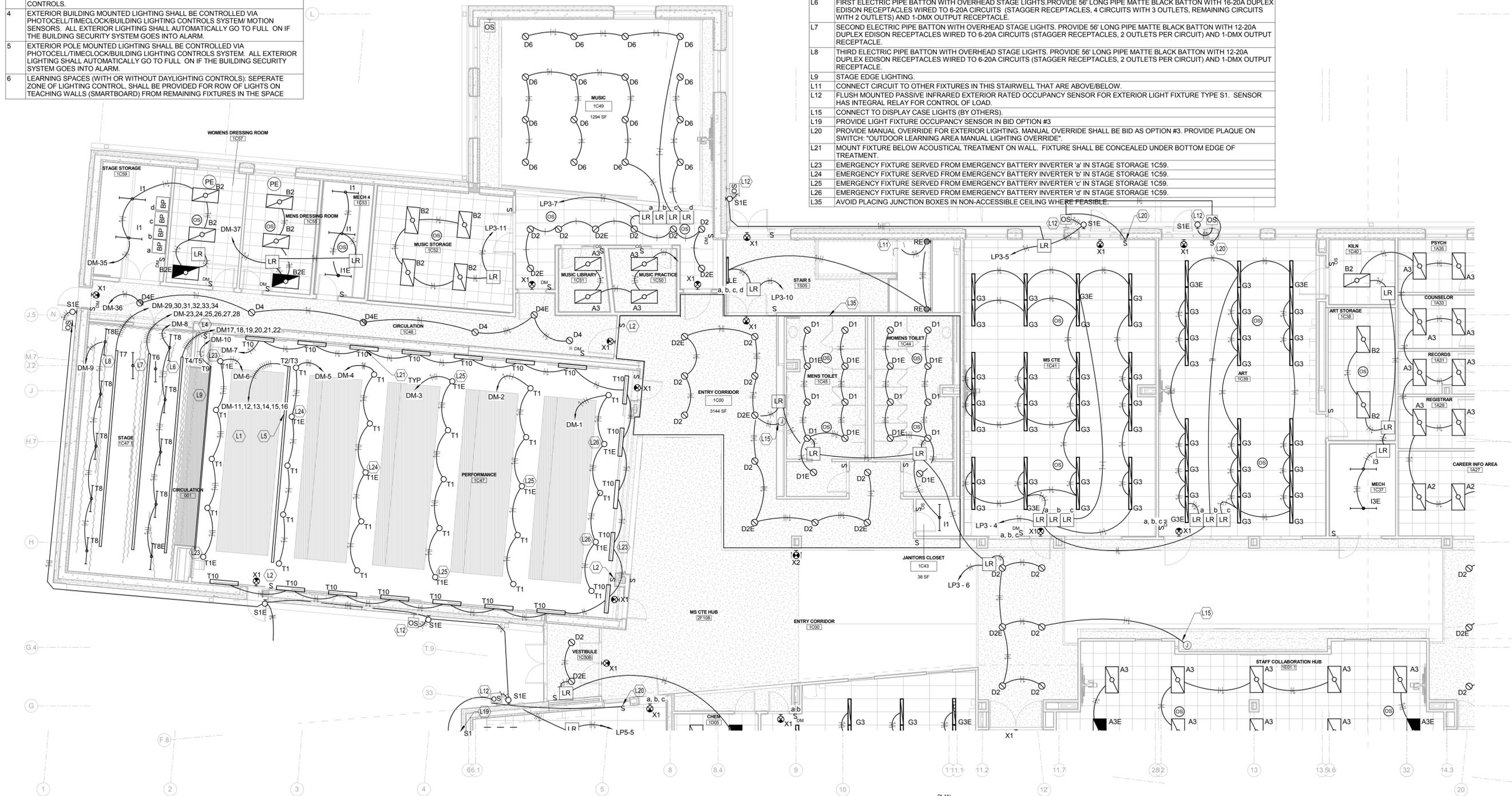
- REFER TO THE THEATRICAL LIGHTING CONTROL DIAGRAM ON SHEET E506.
- LIGHTING CONTROL STATION FOR THEATRICAL LIGHTING. REFER TO THEATRICAL LIGHTING DIAGRAM FOR ADDITIONAL INFORMATION.
- WALL MOUNT TOUCHSCREEN FOR THEATRICAL LIGHTING CONTROLS. REFER TO THEATRICAL LIGHTING CONTROL DIAGRAM FOR ADDITIONAL INFORMATION.
- FOH ELECTRIC PIPE BATTON WITH THEATRICAL SPOT LIGHTS. PROVIDE 50' LONG PIPE MATTE BLACK BATTON WITH 14-20A DUPLEX EDISON RECEPTACLES WIRED TO 6-20A CIRCUITS (STAGGER RECEPTACLES, 2 CIRCUITS WITH 3 OUTLETS, REMAINING CIRCUITS WITH 2 OUTLETS) AND 1-DMX OUTPUT RECEPTACLE.
- FIRST ELECTRIC PIPE BATTON WITH OVERHEAD STAGE LIGHTS PROVIDE 56' LONG PIPE MATTE BLACK BATTON WITH 16-20A DUPLEX EDISON RECEPTACLES WIRED TO 6-20A CIRCUITS (STAGGER RECEPTACLES, 4 CIRCUITS WITH 3 OUTLETS, REMAINING CIRCUITS WITH 2 OUTLETS) AND 1-DMX OUTPUT RECEPTACLE.
- SECOND ELECTRIC PIPE BATTON WITH OVERHEAD STAGE LIGHTS. PROVIDE 56' LONG PIPE MATTE BLACK BATTON WITH 12-20A DUPLEX EDISON RECEPTACLES WIRED TO 6-20A CIRCUITS (STAGGER RECEPTACLES, 2 OUTLETS PER CIRCUIT) AND 1-DMX OUTPUT RECEPTACLE.
- THIRD ELECTRIC PIPE BATTON WITH OVERHEAD STAGE LIGHTS. PROVIDE 56' LONG PIPE MATTE BLACK BATTON WITH 12-20A DUPLEX EDISON RECEPTACLES WIRED TO 6-20A CIRCUITS (STAGGER RECEPTACLES, 2 OUTLETS PER CIRCUIT) AND 1-DMX OUTPUT RECEPTACLE.
- STAGE EDGE LIGHTING.
- CONNECT CIRCUIT TO OTHER FIXTURES IN THIS STAIRWELL THAT ARE ABOVE/BELOW.
- FLUSH MOUNTED PASSIVE INFRARED EXTERIOR RATED OCCUPANCY SENSOR FOR EXTERIOR LIGHT FIXTURE TYPE S1. SENSOR HAS INTEGRAL RELAY FOR CONTROL OF LOAD.
- CONNECT TO DISPLAY CASE LIGHTS (BY OTHERS).
- PROVIDE LIGHT FIXTURE OCCUPANCY SENSOR IN BID OPTION #3
- PROVIDE MANUAL OVERRIDE FOR EXTERIOR LIGHTING. MANUAL OVERRIDE SHALL BE BID AS OPTION #3. PROVIDE PLAQUE ON SWITCH: "OUTDOOR LEARNING AREA MANUAL LIGHTING OVERRIDE"
- MOUNT FIXTURE BELOW ACOUSTICAL TREATMENT ON WALL. FIXTURE SHALL BE CONCEALED UNDER BOTTOM EDGE OF TREATMENT.
- EMERGENCY FIXTURE SERVED FROM EMERGENCY BATTERY INVERTER 'a' IN STAGE STORAGE 1C59.
- EMERGENCY FIXTURE SERVED FROM EMERGENCY BATTERY INVERTER 'b' IN STAGE STORAGE 1C59.
- EMERGENCY FIXTURE SERVED FROM EMERGENCY BATTERY INVERTER 'c' IN STAGE STORAGE 1C59.
- EMERGENCY FIXTURE SERVED FROM EMERGENCY BATTERY INVERTER 'd' IN STAGE STORAGE 1C59.
- AVOID PLACING JUNCTION BOXES IN NON-ACCESSIBLE CEILING WHERE FEASIBLE.

D

C

B

A



LIGHTING GENERAL NOTES (APPLICABLE TO ALL LIGHTING SHEETS)

- PROVIDE CAGES AROUND ALL WALL MOUNTED DEVICES AND FIXTURES IN GYMNASIUM.
- CONTRACTOR SHALL LOCATE OCCUPANCY SENSORS PER MANUFACTURERS RECOMMENDATIONS.
- ALL CONDUITS WITHIN GYMNASIUM SHALL BE CONCEALED WITHIN WALLS. WHERE CONDUITS ARE EXPOSED FOR FINAL CONNECTIONS TO PENDANT MOUNTED LIGHT FIXTURES, MOTORIZED BASKETBALL GOALS, OR OTHER EXPOSED EQUIPMENT/DEVICES. THE CONDUITS SHALL BE ROUTED TIGHT AND PARALLEL OR PERPENDICULAR TO STRUCTURAL MEMBERS AND SHALL REMAIN CONCEALED UP TO THE CEILING STRUCTURE ELEVATION
- PROVIDE GYP BOARD FLANGE FOR ALL LAY-IN FIXTURES IN GYP BOARD CEILINGS.
- LINE VOLTAGE WIRING TO EXIT SIGNS IS NOT SHOWN FOR CLARITY. EXTEND #12, #12G IN 3/4" CONDUIT TO EXIT SIGN FROM NEAREST UNSWITCHED LIGHTING CIRCUIT.
- REFER TO THE BUILDING LIGHTING CONTROL DIAGRAM #1 ON SHEET E504 FOR ADDITIONAL INFORMATION FOR LIGHTING CONTROLS AND WIRING. WIRING FROM LIGHTING RELAY TO SWITCHES, OCCUPANCY SENSORS, AND DAYLIGHT SENSORS MAY NOT BE SHOWN ON PLANS FOR CLARITY. LIGHTING RELAY SHALL BE CONTROLLED BY THE DEVICES SHOWN WITHIN THE SPACE (OR ROOM) UNLESS OTHERWISE NOTED.

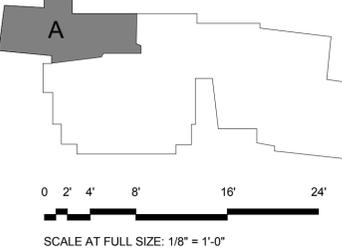
LIGHTING GENERAL NOTES (APPLICABLE TO ALL LIGHTING SHEETS)

- LINE VOLTAGE WIRING FROM LINE VOLTAGE WALL MOUNTED OCCUPANCY SENSOR SWITCHES TO LIGHT FIXTURES IS NOT SHOWN ON PLANS FOR CLARITY. EXTEND #12, #12G IN 3/4" CONDUIT FROM SWITCH TO FIXTURE IN SPACE.
- REFER TO ARCHITECTURAL ELEVATIONS (A200 SERIES SHEETS) FOR EXACT MOUNTING HEIGHT AND LOCATION OF EXTERIOR WALL MOUNTED LIGHT FIXTURES AND RECEPTACLES.
- REFER TO SHEETS A111 THROUGH A125 AND ELEVATIONS D-C, D-COM, AND D-CTRL ON SHEET G005 FOR PLACEMENT OF LIGHT SWITCHES, INTERCOMS, PHONES, CLOCKS, THERMOSTATS, AND CO2 SENSORS.
- REFER TO SHEET C005 FOR TYPICAL DEVICE MOUNTING HEIGHTS.
- THE CEILING SPACE IN THE PERFORMANCE 1C47 AND STAGE 1C47.1 WILL BE PAINTED BLACK. THERE SHALL BE NO OPEN CABLING IN CEILING SPACE. ALL CABLE AND WIRING SHALL BE IN CONDUIT TO ALLOW FOR PAINTING.

LIGHTING GENERAL NOTES (APPLICABLE TO ALL LIGHTING SHEETS)

- AVOID JUNCTION BOXES IN NON-ACCESSIBLE CEILING WHERE FEASIBLE.
- REFER TO SHEET G-010 BID OPTIONS FOR ADDITIONAL INFORMATION ON BID OPTIONS.
- MOUNT FIXTURE TYPES T1, T1E, T2, AND T3 WITH BOTTOM OF FIXTURE 22'-8" ABOVE FIRST FLOOR ELEVATION, LEVEL WITH PENDANT ACOUSTICAL WOOD CEILING SECTIONS.
- REFER TO ATFP COMPLIANCE PLAN, SHEET G006 FOR ADDITIONAL INFORMATION.
- REFER TO SHEETS FL-001, FL-101, AND FL-102 FOR FINISHES OF FLOORS, PARTITIONS, ETC. SEAL PENETRATIONS AS REQUIRED WHEN PASSING THROUGH RATED FLOORS AND WALLS.
- WHEN INSTALLING CONDUIT, PIPE, OR ANY OTHER WORK IN INSULATED CONCRETE FORM (ICF) WALLS, THE RESPONSIBLE SUBCONTRACTOR FOR THE WORK SHALL PROVIDE SPRAY FOAM INSULATION TO PATCH THE RIGID INSULATION TO MAINTAIN FULL INTEGRITY OF THE INSULATING VALUE OF THE WALL AFTER THE MECHANICAL AND ELECTRICAL WORK IS COMPLETE. FURTHERMORE ALL NEW WORK SHALL NOT BE INSTALLED IN CONCRETE CENTER OF WALL. ALL MECHANICAL AND ELECTRICAL INSTALLATIONS SHALL BE ON THE INTERIOR SIDE OF THE CONCRETE.

FIRST FLOOR AREA A - LIGHTING



NAVFAC
 STATE OF KENTUCKY
 BRADLEY WYNN REEVES
 20984
 LICENSED PROFESSIONAL ENGINEER
 SEAL
EWING COLE
 Federal Reserve Bank Building
 100 North 6th Street
 Philadelphia, PA 19106-1500
 Tel: 215-923-2020 Fax: 215-574-0952
 AE INFO
 APPROVED
 FOR COMMANDER NAVFAC
 ACTIVITY
 SATISFACTORY TO DATE
 BWR KDM BKB
 PM/CM
 BRANCH MANAGER
 CHIEF ENGR ARCH
 FIRE PROTECTION
 NAVAL FACILITIES ENGINEERING COMMAND
 WASHINGTON
 MARINE CORPS BASE QUANTICO, VIRGINIA
 DDOEA
 MARINE CORPS BASE QUANTICO
 QUANTICO, VA
REPLACE QUANTICO M/H SCHOOL
 FIRST FLOOR - AREA 'A' - LIGHTING
 SCALE: 1/8" = 1'-0"
 PROJECT NO: P-021
 CONSTR CONTR NO:
 W91236-15-C-0023
 NAVFAC DRAWING NO:
 13091384
 SHEET 630 OF 789
 EL111
 DRAWING REVISION: 10 MARCH 2016

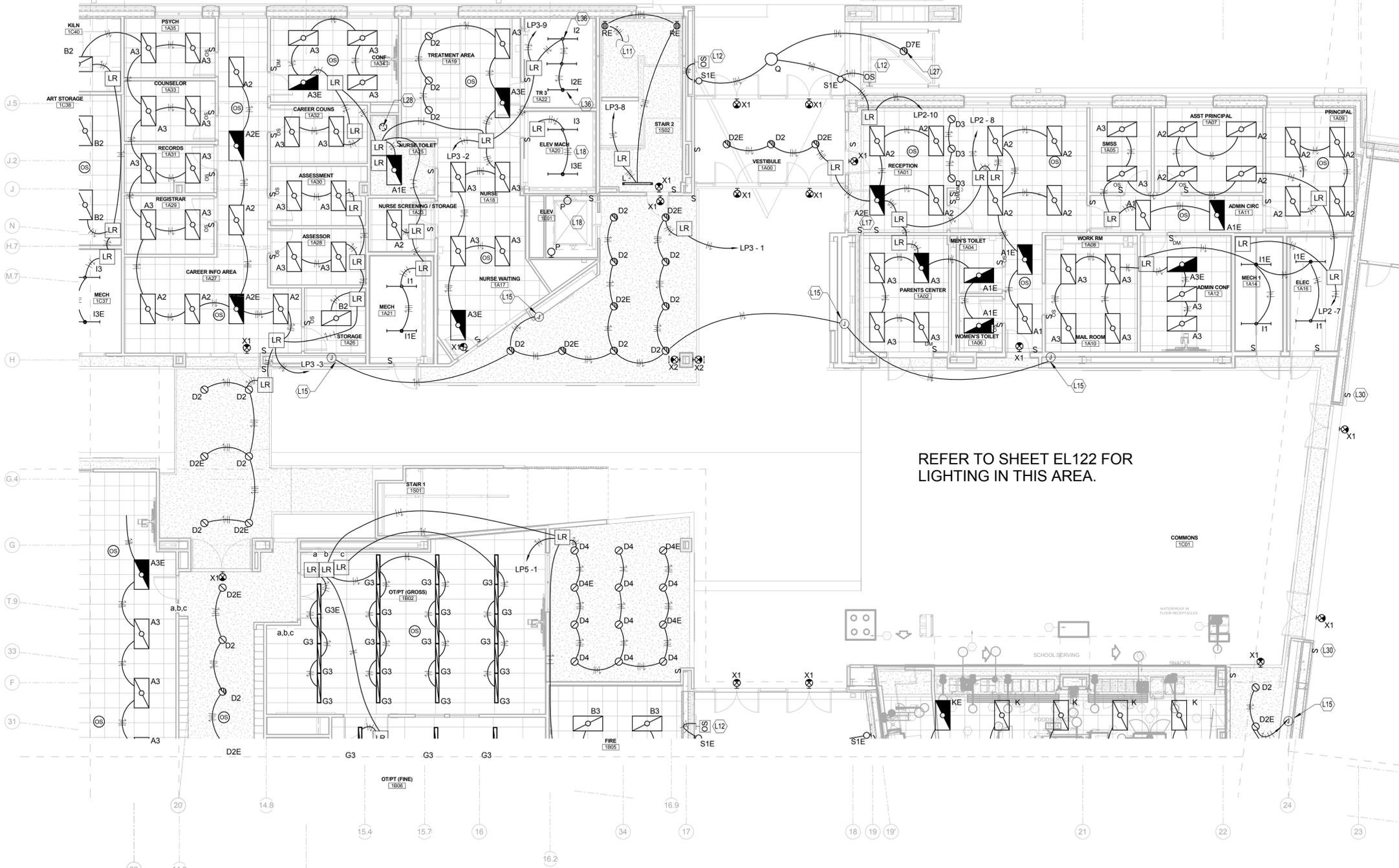
LIGHTING CONTROLS SEQUENCE OF OPERATIONS	
1	OCCUPANCY SENSORS SHALL TURN LIGHTING ON 50% UPON ENTERING ROOM AND SHALL TURN LIGHTING ON 100% MANUALLY.
2	OCCUPANCY SENSORS SHALL TURN LIGHTING ON 15 MINUTES UPON EXITING ROOM. TIME LIMIT SHALL BE ADJUSTABLE.
3	ALL SPACES SHALL BE PROVIDED WITH MEANS TO MANUALLY OVERRIDE CONTROLS.
4	EXTERIOR BUILDING MOUNTED LIGHTING SHALL BE CONTROLLED VIA PHOTOCELL/TIMECLOCK/BUILDING LIGHTING CONTROLS SYSTEM/ MOTION SENSORS. ALL EXTERIOR LIGHTING SHALL AUTOMATICALLY GO TO FULL ON IF THE BUILDING SECURITY SYSTEM GOES INTO ALARM.
5	EXTERIOR POLE MOUNTED LIGHTING SHALL BE CONTROLLED VIA PHOTOCELL/TIMECLOCK/BUILDING LIGHTING CONTROLS SYSTEM. ALL EXTERIOR LIGHTING SHALL AUTOMATICALLY GO TO FULL ON IF THE BUILDING SECURITY SYSTEM GOES INTO ALARM.
6	LEARNING SPACES (WITH OR WITHOUT DAYLIGHTING CONTROLS): SEPERATE ZONE OF LIGHTING CONTROL. SHALL BE PROVIDED FOR ROW OF LIGHTS ON TEACHING WALLS (SMARTBOARD) FROM REMAINING FIXTURES IN THE SPACE

D

C

B

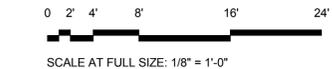
A



REFER TO SHEET EL122 FOR LIGHTING IN THIS AREA.

TAGGED NOTES	
L12	FLUSH MOUNTED PASSIVE INFRARED EXTERIOR RATED OCCUPANCY SENSOR FOR EXTERIOR LIGHT FIXTURE TYPE S1. SENSOR HAS INTEGRAL RELAY FOR CONTROL OF LOAD.
L15	CONNECT TO DISPLAY CASE LIGHTS (BY OTHERS).
L17	SWITCHES (12 ZONES) FOR SECOND FLOOR CANYON LIGHTING.
L18	EXTEND CIRCUIT FROM RECEPTACLE CIRCUIT IN THIS SPACE TO LIGHT FIXTURES IN THIS SPACE.
L27	MOUNT FIXTURE IN CANOPY CEILING.
L28	CONNECT TO FIXTURE PROVIDED WITH ACRYLIC SHOWER INSERT.
L30	6 ZONE LIGHTING CONTROLLER FOR GYM LIGHTS.
L36	10" AFF (SHALL BE AT LEAST 3" HIGHER THAN CABLE TRAY).

FIRST FLOOR AREA B - LIGHTING



APPR. DATE

SYN. DESCRIPTION

EWING COLE
Federal Reserve Bank Building
100 North 6th Street
Philadelphia, PA 19106-1500
Tel: 215-923-2020 Fax: 215-574-0852

AE INFO

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FOR COMMANDER NAVFAC
ACTIVITY

SATISFACTORY TO	DATE	
BWR	KDM	BKB

BRANCH MANAGER
CHIEF ENGR ARCH
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON
DOD/EA
MARINE CORPS BASE QUANTICO
QUANTICO, VA

REPLACE QUANTICO M/H SCHOOL

FIRST FLOOR - AREA 'B' - LIGHTING

SCALE: 1/8" = 1'-0"
PROJECT NO.: P-021
CONSTR. CONTR. NO.: W91236-15-C-0023
NAVFAC DRAWING NO.: 13091385
SHEET 631 OF 789
EL112

DRAWING REVISION: 10 MARCH 2016

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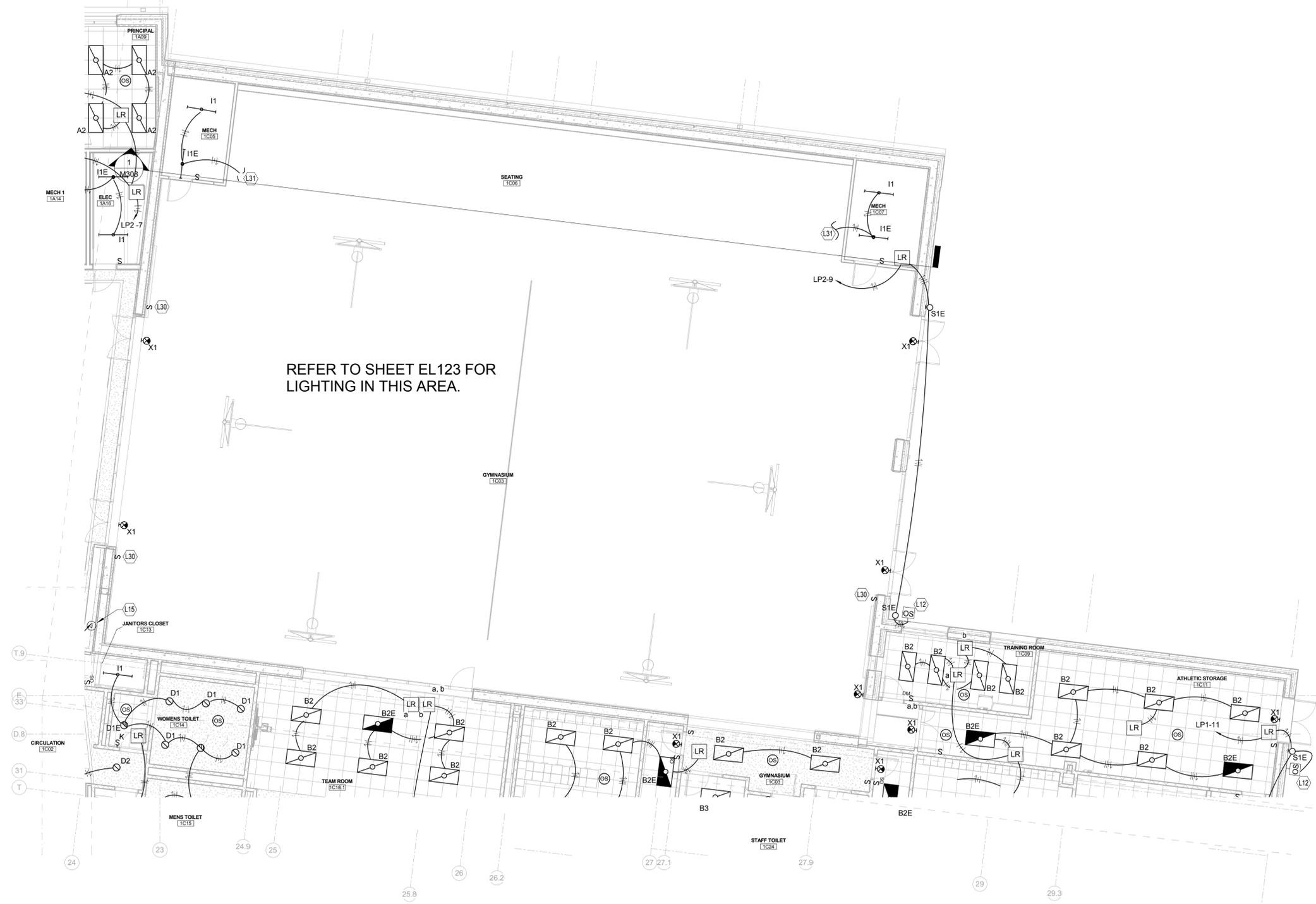
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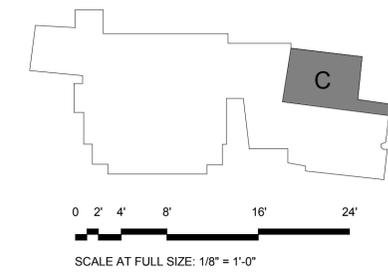


REFER TO SHEET EL123 FOR
LIGHTING IN THIS AREA.

PLAN NORTH
FIRST FLOOR AREA C - LIGHTING

LIGHTING CONTROLS SEQUENCE OF OPERATIONS	
1	OCCUPANCY SENSORS SHALL TURN LIGHTING ON 50% UPON ENTERING ROOM AND SHALL TURN LIGHTING ON 100% MANUALLY.
2	OCCUPANCY SENSORS SHALL TURN LIGHTING ON 15 MINUTES UPON EXITING ROOM. TIME LIMIT SHALL BE ADJUSTABLE.
3	ALL SPACES SHALL BE PROVIDED WITH MEANS TO MANUALLY OVERRIDE CONTROLS.
4	EXTERIOR BUILDING MOUNTED LIGHTING SHALL BE CONTROLLED VIA PHOTOCELL/TIMECLOCK/BUILDING LIGHTING CONTROLS SYSTEM/ MOTION SENSORS. ALL EXTERIOR LIGHTING SHALL AUTOMATICALLY GO TO FULL ON IF THE BUILDING SECURITY SYSTEM GOES INTO ALARM.
5	EXTERIOR POLE MOUNTED LIGHTING SHALL BE CONTROLLED VIA PHOTOCELL/TIMECLOCK/BUILDING LIGHTING CONTROLS SYSTEM. ALL EXTERIOR LIGHTING SHALL AUTOMATICALLY GO TO FULL ON IF THE BUILDING SECURITY SYSTEM GOES INTO ALARM.
6	LEARNING SPACES (WITH OR WITHOUT DAYLIGHTING CONTROLS); SEPARATE ZONE OF LIGHTING CONTROL, SHALL BE PROVIDED FOR ROW OF LIGHTS ON TEACHING WALLS (SMARTBOARD) FROM REMAINING FIXTURES IN THE SPACE

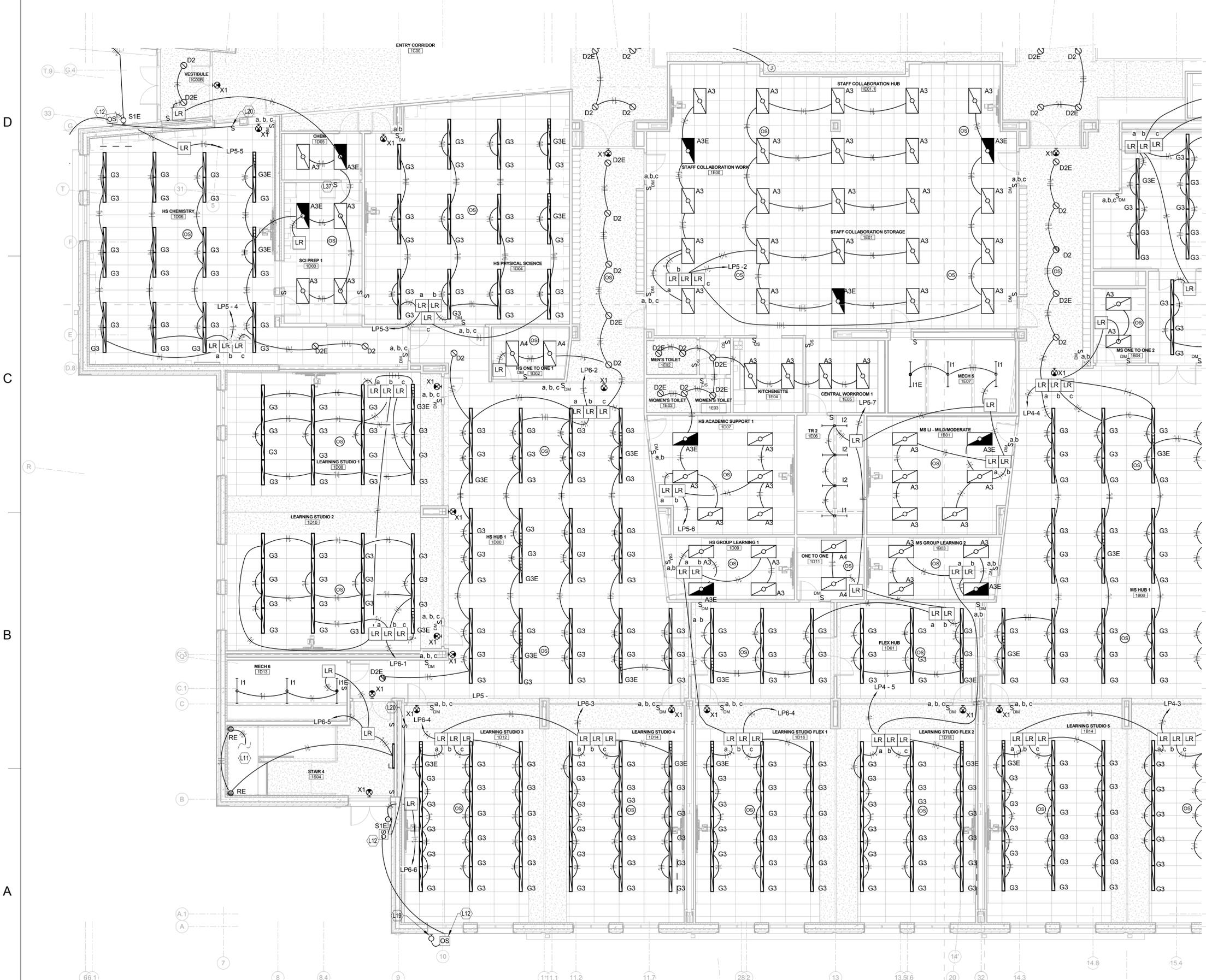
TAGGED NOTES	
L12	FLUSH MOUNTED PASSIVE INFRARED EXTERIOR RATED OCCUPANCY SENSOR FOR EXTERIOR LIGHT FIXTURE TYPE S1. SENSOR HAS INTEGRAL RELAY FOR CONTROL OF LOAD.
L15	CONNECT TO DISPLAY CASE LIGHTS (BY OTHERS).
L30	6 ZONE LIGHTING CONTROLLER FOR GYM LIGHTS.
L31	TO UNSWITCHED LIGHTING CIRCUIT IN GYM.



APPROVED	DATE	APPR
FOR COMMANDER NAVFAC ACTIVITY		
SATISFACTORY TO	DATE	
BWR	KDM	BKB
PM/DM		
BRANCH MANAGER		
CHIEF ENGR ARCH		
FIRE PROTECTION		
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON DOD/EA	NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE QUANTICO, VIRGINIA QUANTICO, VA	
REPLACE QUANTICO M/H SCHOOL		
FIRST FLOOR - AREA 'C' - LIGHTING		
SCALE:	1/8" = 1'-0"	
PROJECT NO.:	P-021	
CONSTR. CONTR. NO.:	W91236-15-C-0023	
NAVFAC DRAWING NO.:	13091386	
SHEET	632 OF 789	
EL113		
DRAWING REVISION	10 MARCH 2009	

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LIGHTING CONTROLS SEQUENCE OF OPERATIONS

- OCCUPANCY SENSORS SHALL TURN LIGHTING ON 50% UPON ENTERING ROOM AND SHALL TURN LIGHTING ON 100% MANUALLY.
- OCCUPANCY SENSORS SHALL TURN LIGHTING ON 15 MINUTES UPON EXITING ROOM. TIME LIMIT SHALL BE ADJUSTABLE.
- ALL SPACES SHALL BE PROVIDED WITH MEANS TO MANUALLY OVERRIDE CONTROLS.
- EXTERIOR BUILDING MOUNTED LIGHTING SHALL BE CONTROLLED VIA PHOTOCELL/TIMECLOCK/BUILDING LIGHTING CONTROLS SYSTEM MOTION SENSORS. ALL EXTERIOR LIGHTING SHALL AUTOMATICALLY GO TO FULL ON IF THE BUILDING SECURITY SYSTEM GOES INTO ALARM.
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TAGGED NOTES

- L2 LIGHTING CONTROL STATION FOR THEATRICAL LIGHTING. REFER TO THEATRICAL LIGHTING DIAGRAM FOR ADDITIONAL INFORMATION.
- L11 CONNECT CIRCUIT TO OTHER FIXTURES IN THIS STAIRWELL THAT ARE ABOVE/BELOW.
- L12 FLUSH MOUNTED PASSIVE INFRARED EXTERIOR RATED OCCUPANCY SENSOR FOR EXTERIOR LIGHT FIXTURE TYPE S1. SENSOR HAS INTEGRAL RELAY FOR CONTROL OF LOAD.
- L19 PROVIDE LIGHT FIXTURE OCCUPANCY SENSOR IN BID OPTION #3
- L20 PROVIDE MANUAL OVERRIDE FOR EXTERIOR LIGHTING. MANUAL OVERRIDE SHALL BE BID AS OPTION #3. PROVIDE PLAQUE ON SWITCH: "OUTDOOR LEARNING AREA MANUAL LIGHTING OVERRIDE"
- L37 LIGHT SWITCH FOR CHEMICAL STORAGE ROOM.

APPROVED

FOR COMMANDER NAVFAC ACTIVITY

SATISFACTORY TO DATE

BWR KDM BKB

PM/DM

BRANCH MANAGER

CHIEF ENGR ARCH

FIRE PROTECTION

DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON
 DODEA
 MARINE CORPS BASE QUANTICO, VIRGINIA
 QUANTICO, VA

REPLACE QUANTICO M/H SCHOOL

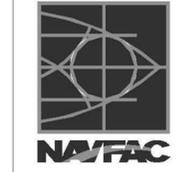
FIRST FLOOR - AREA 'D' - LIGHTING

SCALE: 1/8" = 1'-0"
 PROJECT NO.: P-021
 CONSTR. CONTR. NO.: W91236-15-C-0023
 NAVFAC DRAWING NO.: 13091387
 SHEET 633 OF 789
 EL114

DATE

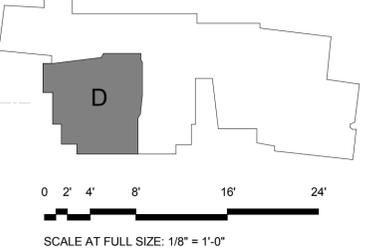
SYW DESCRIPTION

APPR



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FIRST FLOOR AREA D - LIGHTING



D

C

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LIGHTING CONTROLS SEQUENCE OF OPERATIONS

- OCCUPANCY SENSORS SHALL TURN LIGHTING ON 50% UPON ENTERING ROOM AND SHALL TURN LIGHTING ON 100% MANUALLY.
- OCCUPANCY SENSORS SHALL TURN LIGHTING ON 15 MINUTES UPON EXITING ROOM. TIME LIMIT SHALL BE ADJUSTABLE.
- ALL SPACES SHALL BE PROVIDED WITH MEANS TO MANUALLY OVERRIDE CONTROLS.
- EXTERIOR BUILDING MOUNTED LIGHTING SHALL BE CONTROLLED VIA PHOTOCELL/TIMECLOCK/BUILDING LIGHTING CONTROLS SYSTEM/ MOTION SENSORS. ALL EXTERIOR LIGHTING SHALL AUTOMATICALLY GO TO FULL ON IF THE BUILDING SECURITY SYSTEM GOES INTO ALARM.
- EXTERIOR POLE MOUNTED LIGHTING SHALL BE CONTROLLED VIA PHOTOCELL/TIMECLOCK/BUILDING LIGHTING CONTROLS SYSTEM. ALL EXTERIOR LIGHTING SHALL AUTOMATICALLY GO TO FULL ON IF THE BUILDING SECURITY SYSTEM GOES INTO ALARM.
- LEARNING SPACES (WITH OR WITHOUT DAYLIGHTING CONTROLS): SEPARATE ZONE OF LIGHTING CONTROL. SHALL BE PROVIDED FOR ROW OF LIGHTS ON TEACHING WALLS (SMARTBOARD) FROM REMAINING FIXTURES IN THE SPACE

TAGGED NOTES

- L12 FLUSH MOUNTED PASSIVE INFRARED EXTERIOR RATED OCCUPANCY SENSOR FOR EXTERIOR LIGHT FIXTURE TYPE S1. SENSOR HAS INTEGRAL RELAY FOR CONTROL OF LOAD.
- L13 LIGHT SWITCH FOR IN-USE LIGHT. PLAQUE ACCORDINGLY.
- L15 CONNECT TO DISPLAY CASE LIGHTS (BY OTHERS).
- L30 6 ZONE LIGHTING CONTROLLER FOR GYM LIGHTS.

APPROVED

FOR COMMANDER NAVFAC ACTIVITY

SATISFACTORY TO DATE

BWR KDM BKB

PM/DM

BRANCH MANAGER

CHIEF ENG ARCH

FIRE PROTECTION

NAVAL FACILITIES ENGINEERING COMMAND
 NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON
 DDDISA
 MARINE CORPS BASE QUANTICO, VIRGINIA
 QUANTICO, VA

REPLACE QUANTICO M/H SCHOOL

FIRST FLOOR - AREA F - LIGHTING

SCALE: 1/8" = 1'-0"
 PROJECT NO.: P-021
 CONSTR. CONTR. NO.: W91236-15-C-0023
 NAVFAC DRAWING NO.: 13091389
 SHEET 635 OF 789
 EL116

DATE

DESCRIPTION

SYMBOL

APPROVED

SEAL

STATE OF KENTUCKY
 BRADLEY WYNN REEVES
 20984
 LICENSED PROFESSIONAL ENGINEER

AE INFO

DEPARTMENT OF THE NAVY

NAVFAC DRAWING REVISION: 10 MARCH 2009

PLAN NORTH
FIRST FLOOR AREA F - LIGHTING

