

GENERAL NOTES

- REFER TO GENERAL NOTES ON SHEET E0.0.
- REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E3.0.
- ALL FIXTURES ARE NEW UNLESS NOTED OTHERWISE.
- REFER TO ARCHITECTURAL PLANS FOR EXACT FIXTURE LOCATIONS & MOUNTING HEIGHTS.

KEY NOTES

- CIRCUIT FIXTURE TO EXISTING LOCAL 120V EMERGENCY CIRCUIT, FED FROM PANEL EM2.
- NEW FIXTURES IN CORRIDOR E5 SHALL BE FED FROM EXISTING LOCAL CIRCUIT ON PANEL LD1 AND TIED INTO EXISTING LOCAL LIGHTING CONTROL.
- FIXTURES IN CORRIDOR E1 SHALL BE FED FROM EXISTING LOCAL CIRCUIT AND TIED INTO EXISTING LOCAL LIGHTING CONTROL.
- FIXTURES IN CORRIDOR E3 SHALL BE FED FROM EXISTING LOCAL CIRCUIT AND TIED INTO EXISTING LOCAL LIGHTING CONTROL.
- PROVIDE DIMMABLE OVERRIDE SWITCH FOR CEILING MOUNTED OCCUPANCY SENSOR. SYSTEM SHALL FUNCTION SO THAT IT IS A MANUAL ON/AUTO-OFF CONTROL.
- EXISTING LIGHT SWITCH TO BE RELOCATED. RETAIN EXISTING CIRCUITING FOR EXISTING LIGHTING IN THIS SPACE.
- JUNCTION BOXES ARE FOR COVE AREA LIGHTING. LIGHTING SHALL RUN ALONG THE VERTICAL COVE WALLS, THE OVERHEAD COVE WALL, AND UNDER THE CABINET TOE KICK. SEE ARCHITECTURAL DRAWINGS A3.2 AND A8.1 FOR ADDITIONAL INFORMATION. LIGHTING SHALL BE CONTROLLED BY THE LCP AND LOCAL OVERRIDE SWITCH.
- CIRCUIT EXTERIOR FIXTURE TO PANEL EM2. PROVIDE WITH LOCAL PHOTOCELL AND TIE INTO LIGHTING CONTROL PANEL. FIELD-COORDINATE EXACT LOCATION OF PHOTOCELL.
- PROVIDE PROGRAMMABLE CONTROLS FOR FLEX SPACE 1 WITH LOW VOLTAGE DIMMING OVERRIDE CONTROLS FOR SWITCH LEGS INDICATED.
- JUNCTION BOXES ARE FOR COVE AREA LIGHTING. LIGHTING SHALL RUN ALONG THE VERTICAL COVE WALLS, THE OVERHEAD COVE WALL, AND UNDER THE UPPER CABINET. SEE ARCHITECTURAL DRAWINGS A3.2 AND A8.1 FOR ADDITIONAL INFORMATION. LIGHTING SHALL BE CONTROLLED BY THE LCP AND LOCAL OVERRIDE SWITCH.
- EXISTING FIXTURE IS FED THROUGH EXISTING EMERGENCY CIRCUIT ON PANEL EM1. FIXTURE AND CIRCUITING ARE EXISTING TO REMAIN AND ARE SHOWN FOR REFERENCE ONLY.

LIGHTING CONTROL NOTES

- THE LCP IS A NEW LIGHTING CONTROL PANEL DEDICATED TO FLEX SPACE 1 AND FLEX SPACE 2.
- THE LIGHTING CONTROL PANEL SHALL CONTROL THE FOLLOWING SWITCHLEGS TO TURN ON/OFF DURING THE HOURS DESIGNATED BY IMSA:
 120V SWITCHLEGS
 a,b,c,d,e,f
 THESE LIGHTS SHALL HAVE LOW-VOLTAGE OVERRIDES AS SHOWN ON THE PLAN.
- ALL OTHER ROOMS ARE NOT CONNECTED TO THE BUILDING LIGHTING CONTROLS DUE TO THE FACT THAT THE LIGHTING IN THESE ROOMS ARE CONTROLLED BY OCCUPANCY OR VACANCY SENSORS WHICH WILL PROVIDE THE AUTOMATIC SHUT-OFF REQUIREMENT.
- CONTRACTOR IS RESPONSIBLE FOR NECESSARY PROGRAMMING OF IMSA INNOVATION CENTER LIGHTING CONTROLS.

DETAILS OF OPERATION

THE LCP LIGHTING CONTROLS PROVIDE TIME OF DAY CONTROL FOR FLEX SPACE 1 AND FLEX SPACE 2. THE USING AGENCY DEFINES NORMAL HOURS OF OPERATION, CONTROLLED BY THE ASTRONOMICAL TIMER.

THE OVERRIDE SWITCHES FUNCTION AS REGULAR SWITCHES DURING NORMAL HOURS, BUT ALLOW PERSONNEL WORKING DURING OFF-HOURS TO TEMPORARILY OVERRIDE THE LIGHTING CONTROL FOR A PERIOD OF UP TO 2-HOURS. THE OVERRIDE SWITCHES CAUSE THE LIGHTING FOR THE ZONE THEY ARE WIRED TO TURN ON FOR THE SPECIFIED TIME PERIOD.

FLEX SPACE:

THE FLEX SPACE LIGHT FIXTURES ARE CONFIGURED WITH THE LIGHTING CONTROL PANEL FOR AFTER HOURS, AND WITH DIMMING FOR MULTI-LEVEL CONTROL DURING NORMAL HOURS. PROVIDE DIMMING MODULES WITHIN THE LIGHTING CONTROL PANEL. LOW-VOLTAGE MOMENTARY CONTACT SWITCHES ARE PROVIDED FOR AFTER HOURS OVERRIDE AND FOR LOCAL DIMMING CONTROL.

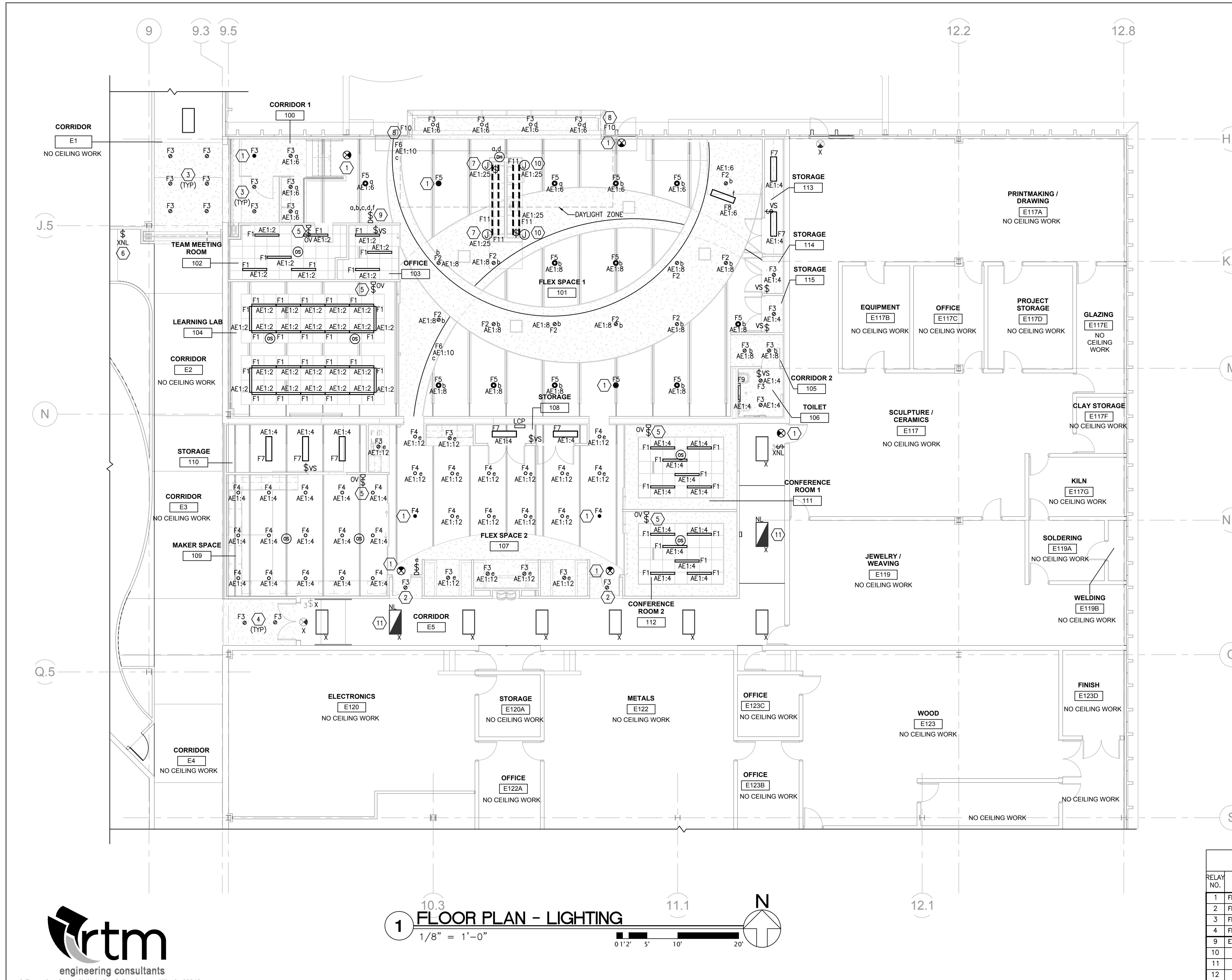
VACANCY SENSORS AND OCCUPANCY SENSORS (NOT PART OF THE LCP):

WALL MOUNTED VACANCY SENSORS OR CEILING-MOUNTED OCCUPANCY SENSORS ARE USED IN ALL ENCLOSED SPACES. IN THIS APPLICATION, ALL FIXTURES ARE DIMMABLE AND SHALL BE PROVIDED WITH DIMMING WALL SENSORS OR DIMMING WALL OVERRIDE SWITCHES AS NOTED ON THE PLANS.

DAYLIGHT ZONES:
 SWITCHLEGS a AND d

LIGHT FIXTURES IN DAYLIGHT ZONES ARE CONTROLLED THROUGH FUNCTION WHICH IS ASSOCIATED WITH DAYLIGHT SENSOR (NOTED AS "DH" ON PLAN). FIXTURES ON EACH OF THESE FUNCTIONS WILL BE AUTOMATICALLY DIMMED PER DAYLIGHT SENSOR INPUT. EACH SWITCHLEG SHALL ALSO HAVE A LOCAL OVERRIDE SWITCH AS NOTED IN KEYNOTE 9 ON THIS SHEET.

NEW LIGHTING CONTROL PANEL "LCP"									
RELAY NO.	DESCRIPTION	CIRCUIT NO.	LOCAL L.V. SWITCH	VOLTS	RELAY NO.	DESCRIPTION	CIRCUIT NO.	LOCAL L.V. SWITCH	VOLTS
1	FLEX SPACE 1 LTG	AE1:8	ⓑ	120V	5	FLEX 1 LTG-DAYLITE	AE1:6	ⓐ	120V
2	FLEX SPACE 1 LTG	AE1:10	ⓒ	120V	6	FLEX 1 LTG-DAYLITE	AE1:6	ⓓ	120V
3	FLEX SPACE 2 LTG	AE1:12	ⓔ	120V	7				
4	FLEX SPACE 1 LTG	AE1:10	ⓕ	120V	8				
9	EXTERIOR PHOTOCELL	EM2	PC	120V					
10				120V					
11				120V					
12				120V					



1 FLOOR PLAN - LIGHTING
 1/8" = 1'-0"
 0' 1/2" 5' 10' 20'

101% DESIGN SUBMITTAL

REVISIONS			CCA PROJ. #:	PREPARED	OFF.
NO.	DATE	REMARKS	14357		
			DRAWN	APPROVED	
			JLI/TRB		
			CHECKED	APPROVED	
			TJH/DB		

CORDOGAN, CLARK & ASSOCIATES, INC
 ARCHITECTS ENGINEERS
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State of Illinois
 Bruce Rauner, Governor
 Illinois Capital Development Board

FLOOR PLAN - LIGHTING
 CONSTRUCT INNOVATION CENTER - ACADEMIC BUILDING
 ILLINOIS MATH & SCIENCE ACADEMY
 1500 SULLIVAN ROAD
 AURORA, IL 60506
 BUILDING #CP 078

CDB PROJECT NO.
 805-030-019
 DATE
 6/2/2015
 SHEET NO.
E2.0

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