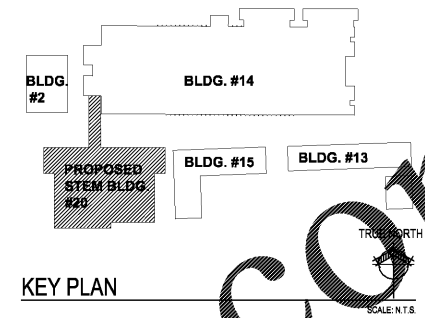


**1 FIRST FLOOR LIGHTING PLAN**  
 E2.1  
 SCALE: 1/8" = 1'-0"



Label	Calc. Type	Units	Max	Min	Avg/Min	Max/Min
20-001 CORRIDOR_Floor	Illuminance	Fc	32.57	53.6	15.3	2.13
20-002 STAIR_Floor	Illuminance	Fc	13.89	15.3	12.2	1.14
20-004 VESTIBULE_Floor	Illuminance	Fc	11.55	15.2	7.5	1.54
20-100 AQUA-MULTIROOM_Workplane	Illuminance	Fc	38.13	60.1	13.0	2.93
20-101 SCIENCE ROOM_Wall_11	Illuminance	Fc	27.70	58.3	11.2	2.47
20-101 SCIENCE ROOM_Workplane	Illuminance	Fc	35.74	79.0	4.4	8.12
20-101A STORAGE_Workplane	Illuminance	Fc	28.80	38.2	17.4	1.66
20-102 MKR SPACE_Workplane	Illuminance	Fc	37.04	65.6	8.7	4.26
20-102A STORAGE_Workplane	Illuminance	Fc	21.11	31.0	10.5	2.01
20-104 Floor	Illuminance	Fc	28.20	37.9	20.9	1.35
20-105 SCIENCE ROOM_Wall_1	Illuminance	Fc	23.49	53.8	6.8	3.45
20-105 SCIENCE ROOM_Workplane	Illuminance	Fc	37.10	75.5	10.0	3.71
20-129 MECHANICAL_Workplane	Illuminance	Fc	29.09	37.0	21.0	1.39
20-131 ELECTRICAL_Workplane	Illuminance	Fc	32.90	38.8	27.0	1.22
STAIR 1 LANDING_Planar	Illuminance	Fc	17.93	21.2	15.3	1.17
STAIR 1 RISERS 2_Planar	Illuminance	Fc	22.11	24.8	20.1	1.10
STAIR RISERS 1_Planar	Illuminance	Fc	17.49	20.9	14.5	1.21

**GENERAL LIGHTING CONTROL NOTES:**

IN COMPLIANCE WITH THE 2014 FLORIDA BUILDING CODE 5TH EDITION, AUTOMATIC LIGHTING CONTROLS SHALL BE FURNISHED AS DESCRIBED BELOW:

- ALL INSTRUCTIONAL SPACES, CLASSROOMS, RESOURCE ROOMS, LABS, ETC. SHALL BE PROVIDED WITH CEILING MOUNTED MOTION SENSORS AS SHOWN IN DETAIL.
- LIGHTING IN MEDIA CENTER, CAFETERIA, GYMNASIUM AND OTHER SIMILAR SPACES SHALL BE CONTROLLED BY THE LCS SYSTEM WITH LOCAL OVERRIDE AS SHOWN IN DETAIL.
- LIGHTING IN GROUP TOILETS, CORRIDORS, STAIRS AND OTHER SIMILAR SPACES SHALL BE CONTROLLED BY THE LCS SYSTEM WITH LOCAL OVERRIDE AS SHOWN IN DETAIL.
- LIGHTING AT BUILDING EXTERIOR, CANOPY, SITE, FLAG POLE AND OTHER SIMILAR SPACES SHALL BE CONTROLLED BY CONTACTOR 'DD'.
- ALL OTHER SPACES, UNLESS OTHERWISE NOTED, SHALL BE PROVIDED WITH WALL SWITCHES WITH INTEGRAL MOTION SENSORS.

- PLAN NOTES:**
- CONNECT EXIT LIGHT TO LOCAL LIGHTING CIRCUIT 'STLI-1', UNSWITCHED.
  - CONNECT EXT. BLDG. LIGHTING TO CKT. 'STLI-9', CONTROL VIA LIGHTING CONTACTOR 'DD'. MOUNT FIXTURE AT 10' AFG (FIELD VERIFY) UNLESS NOTED OTHERWISE.
  - CONNECT FIXTURE TO LOCAL LIGHTING CIRCUIT AND PROVIDE WITH INTEGRAL BATTERY PACK FOR EMERGENCY POWER.
  - CONNECT LOBBY AND CORRIDOR LIGHTING TO CKT. 'STLI-7', CONTROL VIA PUSHBUTTON AND LIGHTING CONTROL PANEL.
  - LUMINOUS PANEL SYSTEM, TYPE 'K' IN CORRIDOR. CONNECT TO CIRCUIT 'STLI-10', CONTROL VIA PUSHBUTTON AND LIGHTING CONTROL PANEL.
  - CONNECT STAIRWELL LIGHTING TO CKT. 'STLI-6', CONTROL VIA INTEGRATED OCCUPANCY AND DAYLIGHT SENSOR.
  - PER ASHRAE 90.1-2010, LIGHTING IN STAIRWELLS SHALL HAVE A CONTROL DEVICE TO AUTOMATICALLY REDUCE LIGHTING POWER BY AT LEAST 50% WITHIN 30 MINUTES OF ALL OCCUPANTS LEAVING THE CONTROL ZONE.
  - PUSHBUTTON FOR CONTROL OF CORRIDOR AND VESTIBULE LIGHTING, CONNECT TO LIGHTING CONTROL PANEL.
  - COORDINATE EXACT LOCATION OF LIGHT FIXTURES WITH MECHANICAL EQUIPMENT AND DUCTWORK.
  - SEE LIGHTING CONTROL SYSTEM (LCS) PANEL FOR CONTROL CIRCUITS FOR THIS SPACE.

**HARVARD • JOLLY ARCHITECTURE**  
 2047 VISTA PARKWAY, SUITE 101 | WEST PALM BEACH, FL 33411  
 561-478-4457 | www.harvardjolly.com | AAC00019

**JL RD**  
 JOHNSON, LEVINSON, RAGAN, DAVILA, INC.  
 1450 Centrepark Boulevard, Suite 350  
 West Palm Beach, Florida 33401  
 (561) 689-2103 (561) 689-2102 Fax  
 www.jlr.com  
 Certification Number 60599  
 Michael P. Landrum, P.E. 30594  
 Charles C. Chalkers, P.E. 31936

**STEM BUILDING  
 THE BENJAMIN SCHOOL - LOWER/MIDDLE SCHOOL**  
 11000 Ellison Wilson Road, North Palm Beach, FL 33408  
 CONSTRUCTION DOCUMENTS

Contract No: 16117.00  
 Job No: 117030  
 Date: 10-23-17

Revisions		
No.	Date	Note

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE MINIMUM BUILDING CODES.

© 2017 HARVARD JOLLY, INC.

JLRD Project #117030

E2.1