

LIGHTING PLAN NOTES

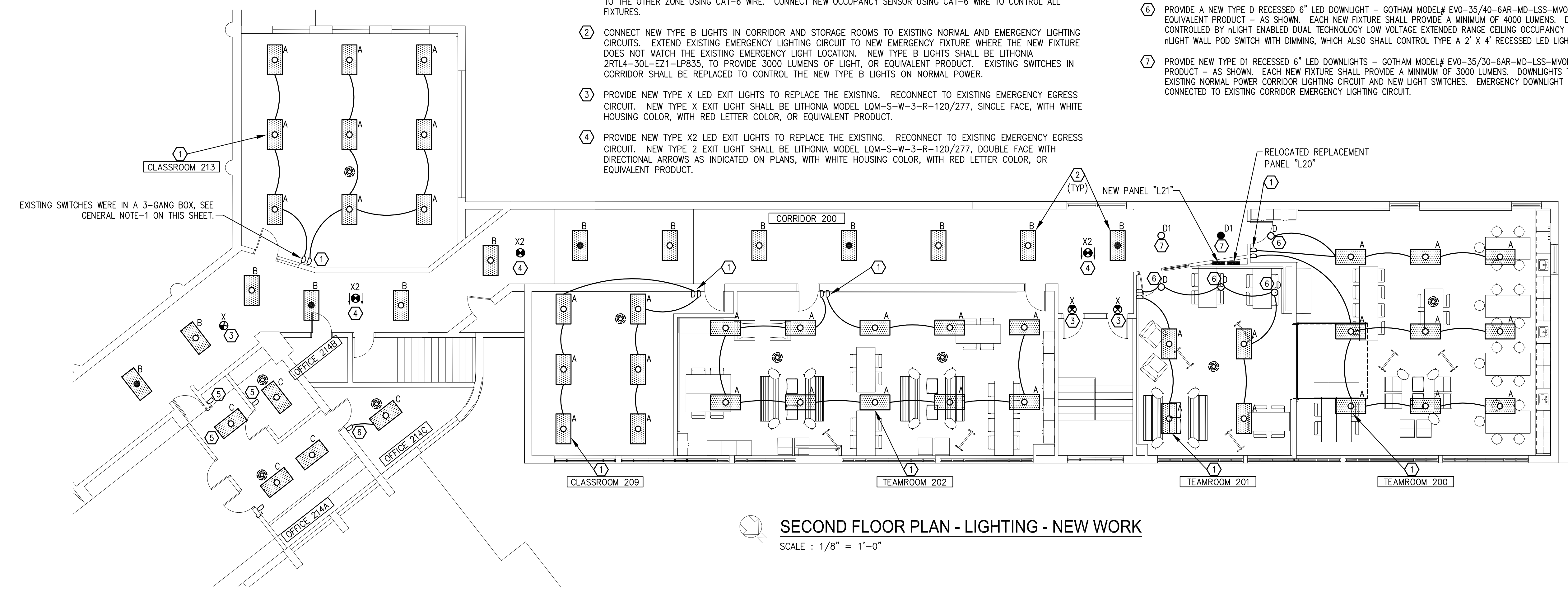
1. PROVIDE NEW TYPE A 2' x 4' FIXTURES - LITHONIA MODEL# 2RTL4 72L MVOLT E21 LP835 N100 OR EQUIVALENT PRODUCT - AS SHOWN. EACH NEW FIXTURE SHALL PROVIDE A MINIMUM OF 7200 LUMENS. PROVIDE A NEW LITHONIA rLIGHT ENABLED DUAL TECHNOLOGY LOW VOLTAGE EXTENDED RANGE CEILING OCCUPANCY SENSOR. MODIFY EXISTING POWER WIRING TO RECONNECT ALL NEW FIXTURES TO EXISTING BRANCH LIGHTING CIRCUIT. USE #12 WIRE IN 3/4" CONDUIT. PROVIDE NEW TWO ZONE rLIGHT WALLPOD SWITCH WITH DIMMING IN PLACE OF THE EXISTING WALL SWITCHES. REUSE EXISTING RECESSED CONDUIT AND BOX IN WALL. CONNECT LIGHTS NEAREST TO ONE ZONE AND THE REMAINDER OF LIGHTS TO THE OTHER ZONE USING CAT-6 WIRE. CONNECT NEW OCCUPANCY SENSOR USING CAT-6 WIRE TO CONTROL ALL FIXTURES.
2. CONNECT NEW TYPE B LIGHTS IN CORRIDOR AND STORAGE ROOMS TO EXISTING NORMAL AND EMERGENCY LIGHTING CIRCUITS. EXTEND EXISTING EMERGENCY LIGHTING CIRCUIT TO NEW EMERGENCY FIXTURE WHERE THE NEW FIXTURE DOES NOT MATCH THE EXISTING EMERGENCY LIGHT LOCATION. NEW TYPE B LIGHTS SHALL BE LITHONIA 2RTL4-30L-E21-LP835, TO PROVIDE 3000 LUMENS OF LIGHT, OR EQUIVALENT PRODUCT. EXISTING SWITCHES IN CORRIDOR SHALL BE REPLACED TO CONTROL THE NEW TYPE B LIGHTS ON NORMAL POWER.
3. PROVIDE NEW TYPE X LED EXIT LIGHTS TO REPLACE THE EXISTING. RECONNECT TO EXISTING EMERGENCY EGRESS CIRCUIT. NEW TYPE X EXIT LIGHT SHALL BE LITHONIA MODEL LQM-S-W-3-R-120/277, SINGLE FACE, WITH WHITE HOUSING COLOR, WITH RED LETTER COLOR, OR EQUIVALENT PRODUCT.
4. PROVIDE NEW TYPE X2 LED EXIT LIGHTS TO REPLACE THE EXISTING. RECONNECT TO EXISTING EMERGENCY EGRESS CIRCUIT. NEW TYPE 2 EXIT LIGHT SHALL BE LITHONIA MODEL LQM-S-W-3-R-120/277, DOUBLE FACE WITH DIRECTIONAL ARROWS AS INDICATED ON PLANS, WITH WHITE HOUSING COLOR, WITH RED LETTER COLOR, OR EQUIVALENT PRODUCT.

NEW WORK NOTES CONT'D:

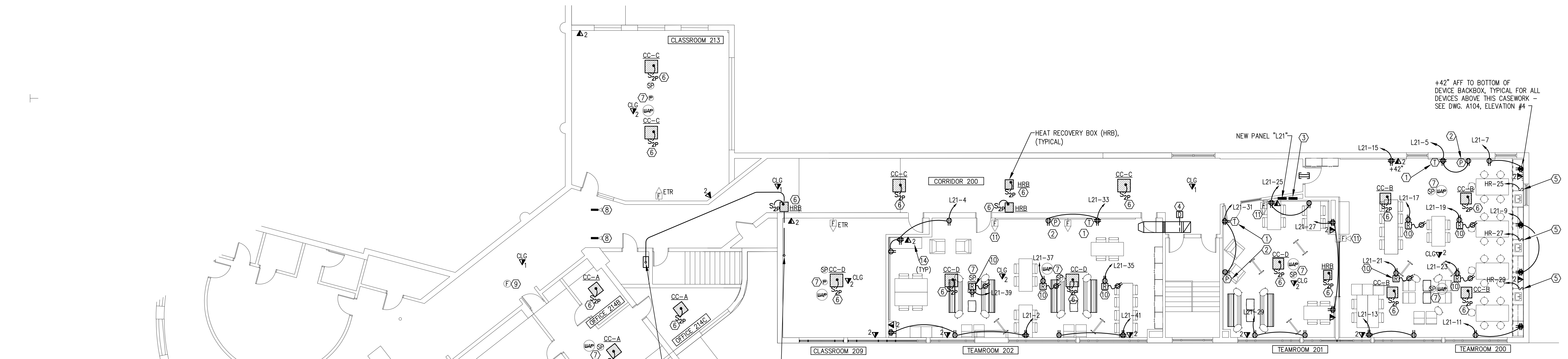
5. PROVIDE NEW TYPE C 2' x 4' FIXTURES - LITHONIA 2RTL4 48L MVOLT E21 LP835 N100 OR EQUIVALENT PRODUCT - AS SHOWN. EACH NEW FIXTURE SHALL PROVIDE A MINIMUM OF 4800 LUMENS. PROVIDE A NEW rLIGHT ENABLED DUAL TECHNOLOGY LOW VOLTAGE EXTENDED RANGE CEILING OCCUPANCY SENSOR. MODIFY EXISTING POWER WIRING TO RECONNECT ALL NEW FIXTURES TO EXISTING CIRCUIT. USE #12 WIRE IN 3/4" CONDUIT. PROVIDE NEW 3-WAY SINGLE ZONE rLIGHT WALLPOD SWITCH WITH DIMMING IN PLACE OF THE EXISTING WALL SWITCH. REUSE EXISTING RECESSED CONDUIT AND BOX IN WALL. CONNECT NEW LIGHTS TO NEW WALL POD WITH CAT-6 CABLE IN CONDUIT. CONNECT NEW OCCUPANCY SENSOR USING CAT-6 WIRE TO CONTROL ALL FIXTURES.
6. PROVIDE A NEW TYPE D RECESSED 6" LED DOWNLIGHT - GOTHAM MODEL# EVO-35/40-6AR-MD-LSS-MVOLT-E21-NFS80Z OR EQUIVALENT PRODUCT - AS SHOWN. EACH NEW FIXTURE SHALL PROVIDE A MINIMUM OF 4000 LUMENS. DOWNLIGHT TO BE CONTROLLED BY rLIGHT ENABLED DUAL TECHNOLOGY LOW VOLTAGE EXTENDED RANGE CEILING OCCUPANCY SENSOR, AND NEW 2-ZONE rLIGHT WALL POD SWITCH WITH DIMMING, WHICH ALSO SHALL CONTROL TYPE A 2' x 4' RECESSED LED LIGHTS IN THE CLASSROOM.
7. PROVIDE NEW TYPE D1 RECESSED 6" LED DOWNLIGHTS - GOTHAM MODEL# EVO-35/40-6AR-MD-LSS-MVOLT-E21 OR EQUIVALENT PRODUCT - AS SHOWN. EACH NEW FIXTURE SHALL PROVIDE A MINIMUM OF 3000 LUMENS. DOWNLIGHTS TO BE CONTROLLED BY EXISTING NORMAL POWER CORRIDOR LIGHTING CIRCUIT AND NEW LIGHT SWITCHES. EMERGENCY DOWNLIGHT TO BE UNSWITCHED AND CONNECTED TO EXISTING CORRIDOR EMERGENCY LIGHTING CIRCUIT.

GENERAL NOTES:

1. PROVIDE NEW 2-GANG OR 3-GANG COVERPLATES FOR THE NEW rLIGHT DIMMER CONTROLS WITH BLANK GANGS TO COVER THE EXISTING SWITCH AND FOR EXISTING COVERPLATES WITH A THIRD GANG OPENING WHICH WAS NOT USED FOR SWITCHING. PROVIDE BLANK COVERPLATES FOR ALL UNUSED OPENINGS IN EXISTING BACKBOX.
2. RELOCATE EXISTING SURFACE RACEWAYS AND RELATED WIRING WHICH IS IN CONFLICT WITH THE NEW CEILING SYSTEM INSTALLATION. SURFACE MOUNTED JUNCTION BOXES SHALL BE RELOCATED ABOVE NEW CEILING.



SECOND FLOOR PLAN - LIGHTING - NEW WORK
SCALE : 1/8" = 1'-0"



SECOND FLOOR PLAN - POWER - NEW WORK
SCALE : 1/8" = 1'-0"

POWER PLAN NOTES

1. REFER TO POWER AND COMMUNICATIONS OUTLETS AT TEACHER'S DESK DETAIL ON SHEET E001, TYPICAL.
2. REFER TO POWER AND COMMUNICATIONS OUTLETS AT PROJECTOR/SMARTBOARD LOCATION ON SHEET E001, TYPICAL.
3. NEW PANELBOARD "L20" TO REPLACE EXISTING PANEL. EXTEND EXISTING FEEDER TO RELOCATED PANEL, (4)#3/0, #66-2°C (VERIFY EXISTING FEEDER SIZE/SOURCE). EXTEND ALL EXISTING BRANCH CIRCUITS STILL IN USE TO THE NEW PANELBOARD AND TERMINATE TO NEW BREAKERS, REFER TO PANEL SCHEDULE ON SHEET E001.
4. PROVIDE NEW DUCT SMOKE DETECTOR AND CONNECT TO THE EXISTING SIEMENS FIRE FINDER FIRE ALARM CONTROL PANEL LOCATED IN THE SCHOOL ADMIN OFFICE. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR. CONNECT SO THAT FACP IS PLACED IN ALARM CONDITION AND UNIT IS SHUT DOWN ON DETECTION OF SMOKE. APPROXIMATE LENGTH OF RUN IS 250' FROM LOCATION OF NEW HVAC DUCT.
5. PROVIDE A 20A/1P, 277-VOLT RATED TOGGLE DISCONNECT SWITCH FOR INSTANTANEOUS WATER HEATERS A,B AND C. LOCATE DISCONNECTS ABOVE CEILING NEXT TO THE WATER HEATERS.
6. USE AN EXISTING 208-VOLT, 1-PHASE CIRCUIT THAT FED ONE OF THE EXISTING CONDENSING UNITS ON ROOF THAT ARE BEING DEMOLISHED WHICH SERVES THE CLASSROOMS ON THE SECOND FLOOR INDICATED UNDER THIS RENOVATION. TRACE OUT CIRCUIT AND IDENTIFY CIRCUIT USED IN PANELBOARD DIRECTORY. PROVIDE (2)#12, #12G-3/4°C TO EACH NEW CEILING MOUNTED INDOOR SPLIT SYSTEM UNIT (CC-UNIT), AND HEAT RECOVERY BOXES (HRB).

POWER PLAN NOTES Cont.

7. REINSTALL AND RECONNECT EXISTING CEILING MOUNTED PROJECTOR, SPEAKER AND WAP DEVICE.
8. REINSTALL AND RECONNECT EXISTING SECURITY CCTV CAMERAS TO EXISTING CABLING TO FUNCTION AS BEFORE.
9. REINSTALL AND RECONNECT EXISTING FIRE ALARM SMOKE DETECTOR TO EXISTING FIRE ALARM INITIATING CIRCUIT TO FUNCTION AS BEFORE.
10. CORD REEL CONNECTED TO ABOVE CEILING RECEPTACLE, SEE LEGEND ON SHEET E001 FOR DESCRIPTION.
11. RELOCATED EXISTING FIRE ALARM HORN/STROBE ALARM DEVICE, INSTALL ON WALL AT 90" AFF. RECONNECT TO EXISTING FIRE ALARM NAC CIRCUIT.
12. NOT USED
13. NOT USED
14. NUMBER NEXT TO DATA SYMBOL INDICATES NUMBER OF DATA DROPS REQUIRED. DATA DROPS PROVIDED BY DART. "CLG" INDICATES CEILING MOUNTED DATA OUTLET.

