# Q20-C1011 SUITE REMODEL

**UCD PROJECT #:** 18-116156 B500 1ST RENO RM C1011

**UC ANSCHUTZ BUILDING 500**

**13001 EAST 17TH PLACE, AURORA, COLORADO**

**CONSTRUCTION DOCUMENTS**

**DECEMBER 13, 2017**

**ZWR # D17-114**

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**DEPARTMENT REPRESENTATIVE**

- UNIVERSITY OF COLORADO
- MANAGER, FACILITIES PROJECTS
- DRIE, ANNE MEDICAL CENTER
- 1-130011
- 130011@uconn.edu

**ARCHITECT**

- JOSE A. MARTINEZ
- TOWER 1401 S FIFTH ST, SUITE 1400
- 1-202-503-2345
- jmartinez@jwmarchitects.com

**MPO ENGINEER**

- BONNY CLUGSTAFF
- 13001 E 17TH PL, AURORA, CO 80012
- 1-303-386-4400
- jmartinez@jwmarchitects.com
GENERAL DEMOLITION NOTES:

A. Coordinate all work with other trades, architect, client, general contractor and owner.

B. Electrical contractor shall verify the scope of demolition with architectural and electrical drawings. Existing light fixtures, electrical devices, equipment, and other related items shall be carefully removed, as required, for the work under this contract. These items shall be protected from damage, labeled and/or stored for future use or disposal as directed by the building management/owner, architect or engineer.

C. Existing light fixtures (labeled (E)), noted on electrical drawings to be reused (labeled (R)), shall be cleaned thoroughly and/or refinished to as new condition.

D. Electrical contractor shall remove electrical devices, conduit, wiring, electrical equipment and telecommunications outlets scheduled for demolition. Electrical equipment which does not remain in remodel shall be demolish back to the source. Abandoned devices and equipment are not acceptable per University of Colorado standards.

E. Electrical contractor shall recycle or dispose of all demolished items at a licensed facility.

F. All spare or unused circuit breakers shall be switched to the "off" position and noted on panel directory as "spare" with junction box location if applicable.

G. Electrical contractor shall be responsible for verifying circuit ampacity for all existing circuits impacted by this project to ensure circuit continuity and to prevent overload circuit(s). Contractor shall ensure that circuits shared between project area and existing tenant spaces remain intact per original design intent. Correctly label all J-box covers with accurate panel and branch circuit information.

H. Provide new junction boxes, new conduit and wiring as required for circuit(s) impacted by project scope.

I. Locations of existing and demolished light fixtures, power devices, electrical equipment, wiring, etc., shown on electrical drawings have been taken from field survey. All existing conditions shall be verified in the field by electrical contractor. Document significant discrepancies to existing field conditions and make any necessary adjustments to electrical drawings.

J. Electrical contractor shall coordinate removal or relocation of any plumbing, mechanical equipment, or additional equipment requiring electrical connections in project scope. Rework existing branch circuit(s) wiring and extend to new equipment location and reconnect equipment as existing. Retain circuit continuity for existing equipment to remain if required.

DEMOLITION KEYED NOTES:

1. (2) existing thermostats to be removed and protected for reuse. Coordinate scope of work with architect and building management.

2. Existing fire alarm equipment shall be protected during construction for reuse. Refer to Division 28 specifications for all requirements pertaining to fire detection and alarm.

3. Replacement of ceiling grid is price as alternate. Existing 2'x4' direct/indirect light fixtures shown as demo to be protected and reused in existing location(s). Coordinate demolition scope with architect and client.
GENERAL ELECTRICAL NOTES:

LIGHT FIXTURE AND EMERGENCY LIGHTING UNIT.

REMAIN WHERE SHOWN UNLESS ELECTRICAL DEVICES ARE CONNECTED TO THE NORMAL LIGHTING CIRCUIT IN THE SUBSCRIPT LETTER SHOWN SHALL BE CONTROLLED. ELECTRICAL CONTRACTOR SHALL INSPECT EXISTING AND RELOCATED FIXTURES IN WORK AREA. REPLACE ALL NECESSARY COMPONENTS, RELAMP AND CLEAN AS APPEARANCE. ENSURE THAT ALL LAMPS HAVE THE SAME TEMPERATURE (KELVIN), AND ARE OF CLIENT APPROVED WATTAGE MOUNTING DESCRIPTION NOTES.

COORDINATED WITH LIFE SAFETY DRAWINGS AND LOCAL SHEETS TO CLIENT AND ARCHITECT FOR THEIR FINAL E. ELECTRICAL CONTRACTOR SHALL COORDINATE LIGHT FIXTURE QUANTITIES, MOUNTING REQUIREMENTS, F. FLUORESCENT AND LED LUMINAIRES THAT CONTAIN OFFICE BALLAST. AN EXISTING UNV (3) 32W T8 LED DRIVER: APS-240-24 24 VOLT LED TAPE FOR ACCENT WALL W/ COLOR CONTAINING MULTIPLE TELECOMMUNICATIONS CABLES. TO CENTERLINE OF BOX ABOVE FINISHED FLOOR (A.F.F.) E1.1.

COORDINATE LAYOUT AND INSTALLATION OF LUMINAIRES INCLUDING BUT NOT LIMITED TO HVAC EQUIPMENT, EQUIPMENT LOCATIONS WITH OWNER/CLIENT/ARCHITECT OR EQUIPMENT SUBCONTRACTOR. REQUIRED. MOUNT MULTIPLE LIGHT SWITCHES IN A MULTIPLE GANG BOX WITH SINGLE COVER PLATE. DISCONNECTION CAN BE ACCOMPLISHED THROUGH LISTED HANDLE TIES USED WITH SINGLE-POLE CIRCUIT BREAKERS MULTI-WIRE BRANCH CIRCUIT SHALL BE GROUPED WITH 1 POWER PLAN POWER KEYED NOTES: 2. (2) EXISTING THERMOSTATS TO BE RELOCATED AS SHOWN. AS REQUIRED. PROVIDE 3/4 STRING FROM INSTALLED J-BOX. STUB CONDUIT MINIMUM 3" RELOCATED LUMINAIRES TO EXISTING LIGHTING CIRCUIT(S). PROVIDE ALL REQUIRED COMPONENTS FOR A FULLY FUNCTIONAL LIGHTING AND LIGHTING CONTROL SYSTEM. OBTAIN ENGINEER AND ARCHITECT APPROVAL PRIOR TO PERFORMANCE BY REGISTERED DESIGN PROFESSIONAL. EVIDENCE SHALL BE PROVIDED PLACE LIGHTING CONTROL DEVICES ON ELECTRICAL DRAWINGS. FINAL DEVICE SUPPLIER FOR ADDITIONAL INFORMATION REGARDING LIGHTING CONTROLS SYSTEM. IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS THAT REQUIRE EXTENSIVE MODIFICATIONS TO THE LIGHTING SYSTEM. 4. PROVIDE ALL REQUIRED COMPONENTS FOR A FULLY FUNCTIONAL LIGHTING AND LIGHTING CONTROL SYSTEM HAS BEEN PROPERLY PROGRAMMED, CALIBRATED AND IS IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS THAT REQUIRE EXTENSIVE MODIFICATIONS TO THE LIGHTING SYSTEM. OBTAIN ENGINEER AND ARCHITECT APPROVAL PRIOR TO PERFORMANCE BY REGISTERED DESIGN PROFESSIONAL. EVIDENCE SHALL BE PROVIDED PLACE LIGHTING CONTROL DEVICES ON ELECTRICAL DRAWINGS. FINAL DEVICE SUPPLIER FOR ADDITIONAL INFORMATION REGARDING LIGHTING CONTROLS SYSTEM. IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS THAT REQUIRE EXTENSIVE MODIFICATIONS TO THE LIGHTING SYSTEM. OBTAIN ENGINEER AND ARCHITECT APPROVAL PRIOR TO PERFORMANCE BY REGISTERED DESIGN PROFESSIONAL. EVIDENCE SHALL BE PROVIDED PLACE LIGHTING CONTROL DEVICES ON ELECTRICAL DRAWINGS. FINAL DEVICE SUPPLIER FOR ADDITIONAL INFORMATION REGARDING LIGHTING CONTROLS SYSTEM. IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS THAT REQUIRE EXTENSIVE MODIFICATIONS TO THE LIGHTING SYSTEM. OBTAIN ENGINEER AND ARCHITECT APPROVAL PRIOR TO PERFORMANCE BY REGISTERED DESIGN PROFESSIONAL. EVIDENCE SHALL BE PROVIDED PLACE LIGHTING CONTROL DEVICES ON ELECTRICAL DRAWINGS. FINAL DEVICE SUPPLIER FOR ADDITIONAL INFORMATION REGARDING LIGHTING CONTROLS SYSTEM.
TO SECURE LAN PORT FOR PC LIGHTING CONTROL
* REQUIRES STATIC IP ADDRESS
(PORTS IN FRONT)

EXISTING ETHERNET SWITCH

BIF-600
BACnet INTERFACE MODULE
VIA BACnet/IP (OPTIONAL)

CAT 5
EXISTING SSU

OPTIONAL: MAXIMUM TWO (2) BALLASTS CONNECTED IN PARALLEL.

0-10V DIMMING CONTROL LINES

LUMINAIRE CONTROL MODULE (LCM, TYP.)

DUAL TECHNOLOGY OCCUPANCY SENSOR/W SENSOR INPUT MODULE (TYP.)

OPTIONAL: MAXIMUM TWO (2) BALLASTS CONNECTED IN PARALLEL.

0-10V DIMMING CONTROL LINES
LINE VOLTAGE (SUPPLIED TO FIXTURE)
MAX: 300W @ 120-347V

LUMINAIRE CONTROL MODULE (LCM)

DUAL TECHNOLOGY OCCUPANCY SENSOR/W SENSOR INPUT MODULE (TYP.)

OPTIONAL: MAXIMUM TWO (2) BALLASTS CONNECTED IN PARALLEL.

0-10V DIMMING CONTROL LINES
LINE VOLTAGE (SUPPLIED TO FIXTURE)
MAX: 300W @ 120-347V

GREENBUS (18AWG TWISTED PAIR CLASS 2)

CHANNELS 2, 3-4 TO FEED OTHER FLOORS

EXISTING SSU, ETHERNET SWITCH LOCATED IN BUILDING 500

LIGHTING SYSTEM CONNECTION DIAGRAM