CITY AND BOROUGH OF JUNEAU
ALASKA'S CAPITAL CITY

**ADDENDUM TO THE CONTRACT**

**for the**

**BARTLETT REGIONAL HOSPITAL PHARMACY CLEAN ROOM**
**Contract No. BE19-226**

**ADDENDUM NO.:** **TWO**

**CURRENT DEADLINE FOR BIDS:**
**June 11, 2019**

**PREVIOUS ADDENDA:** **ONE**

**ISSUED BY:**
City and Borough of Juneau
ENGINEERING DEPARTMENT
155 South Seward Street
Juneau, Alaska 99801

**DATE ADDENDUM ISSUED:** **June 3, 2019**

The following items of the contract are modified as herein indicated. All other items remain the same. This addendum has been issued and is posted online. Please refer to the CBJ Engineering Contracts Division webpage at: http://www.juneau.org/engineering_ftp/contracts/Contracts.php

**CLARIFICATIONS:**

- Sheet E204, Detail 1
  Conduit labeled "3/4"C, 3 NO. 10, 1 NO. 10 GND" is a new conduit with new conductors.

**PROJECT MANUAL:**

Item No. 1 SECTION 00005 – TABLE OF CONTENTS, DIVISION 23, 230940
***Delete*** section name and ***replace*** with the following:
"230940 SEQUENCE OF OPERATION"

Item No. 2 SECTION 00030 – NOTICE INVITING BIDS, DESCRIPTION OF WORK, SECOND TO LAST SENTENCE
***Change*** "The work also includes renovating approximately 715 SF of the OB waiting area to a gift shop with espresso making capabilities" ***to read*** "The work also includes renovating approximately 360 SF of the OB waiting area to a gift shop with espresso making capabilities"

Item No. 3 SECTION 00030 – NOTICE INVITING BIDS, BIDDING, CONTRACT, or TECHNICAL QUESTIONS.
***Delete*** and ***replace*** with:
"All communications relative to this WORK, prior to opening Bids, shall be directed to the following:

Janet Sanbei
CBJ Engineering Department, 3rd Floor, Marine View Center
Email: janet.sanbei@juneau.org
Telephone: (907) 586-0800
Fax: (907) 586-4530"

Item No. 4 SECTION 011000 – SUMMARY, 1.4.A.1, SECOND TO LAST SENTENCE
***Change*** "The work also includes renovating approximately 715 SF of the OB waiting area to a gift shop with espresso making capabilities" **to read** "The work also includes renovating approximately 360 SF of the OB waiting area to a gift shop with espresso making capabilities"

Item No. 5 SECTION 230926 – BUILDING AUTOMATION SYSTEM AND AUTOMATIC CONTROLS, 1.3.A.6
***Delete*** and ***replace*** with the following: "all wiring shall be installed in conduit."

Item No. 6 SECTION 230926 – BUILDING AUTOMATION SYSTEM AND AUTOMATIC CONTROLS, 2.12.A.1
***Delete*** and ***replace*** with the following: "Low-voltage Control Wiring (12-24v): All wiring shall be enclosed in conduit."

Item No. 7 SECTION 230926 – BUILDING AUTOMATION SYSTEM AND AUTOMATIC CONTROLS, 3.3 A.2
***Delete*** and ***replace*** with the following: "All wiring/cabling shall be installed in conduit."

Item No. 8 SECTION 230940 – SEQUENCE OF OPERATION, 1.1.A
***Delete*** and ***replace*** with the following: "Pharmacy Clean Room Exhaust Fan"

Item No. 9 SECTION 230940 – SEQUENCE OF OPERATION, 1.1.B
***Delete*** and ***replace*** with the following: "Pharmacy Clean Room Pressure Controls"

Item No. 10 SECTION 230940 –SEQUENCE OF OPERATION, 3.2
***Delete*** and ***replace*** with the following:

3.2 SEQUENCE OF OPERATIONS

A. PHARMACY EXHAUST FAN (EF-14): Integral variable frequency drive. In the Auto position, exhaust fan to operate whenever enabled by the BAS as required to provide proper airflow and pressurization as measured by the TAB Contractor. In the Hand position, the fan operates. Alarm is to be sent to the BAS for confirmation when fan does not operate when commanded on.
   1. EF Schedule of Operation: Pharmacy Clean Room Exhaust Fan to operate continuously. During AHU occupied mode, the EF speed shall operate at variable speeds as required to provide proper airflow and pressurization as measured by the TAB Contractor.
   2. EF-14 fan speed shall modulate as necessary to maintain exhaust air duct static pressure setpoint necessary to provide required CFM air flow requirements, as set by the TAB, air valve factory start-up tech, and Controls Contractors.
   3. Air Valves – Air valve control system shall modulate exhaust air valve positions as needed to maintain room pressurization and air change minimums and CFM requirements from BSC cabinets A1 and A3.
   4. Pressure control and fan speed required shall be set by the Control Contractor, TAB balancer, and air valve factory start-up tech as needed for proper operation of exhaust fan, supply and exhaust air valves, BSC controls, and room pressurizations. See Air Valve (SV/EV) pressure control sequence.

B. Air Valve (SV/EV) Pressure and CFM Controls: Factory air valve controls shall modulate to maintain room differential pressure, CFM requirements, and BSC cabinet requirements.

1. Receiving to Corridor: Air valve control system shall maintain a negative (-) 0.03 pressure in the Receiving relative to the adjacent corridor. Normally open EAV shall modulate as required to maintain required pressurization. Control shall be via EV
2. Receiving to Ante Room: Air valve control system shall maintain a positive (+) 0.03 pressure in the Ante room relative to the Receiving Room. Normally open EV shall modulate as required to maintain required pressurization. Control shall be via EV factory control system.
3. Receiving to Non-Sterile HD Room: Air valve control system shall maintain a positive (+) 0.03 pressure in the Receiving room relative to the Non-Sterile HD Room. Normally open EV shall modulate as required to maintain required pressurization. Control shall be via EV factory control system.
4. Ante Room to Sterile HD Room: Air valve control system shall maintain a positive (+) 0.03 pressure in the Ante room relative to the Sterile HD Room. Normally open EV shall modulate as required to maintain required pressurization. Control shall be via EV factory control system.
5. Ante Room to Sterile Non-HD Room: Air valve control system shall maintain a positive (+) 0.03 pressure in the Ante room relative to the Sterile Non-HD Room. Normally open EV shall modulate as required to maintain required pressurization. Control shall be via EV factory control system.
6. Pharmacy Clean Room Pressure Controls and Graphics: Indicate room differential pressures and corridor/lab reference air pressures. Modulate exhaust fan speed as needed to maintain proper pressurization and airflow requirements in lab. In addition, integrate with supply and exhaust air valve factory pressure controls and indicate room differential pressure setpoint, air volumes, actual differential pressure, and air valve positions from factory pressure control system on graphics. Connect to SV/EV factory pressure controls through BACNET connection. In addition, indicate duct static pressure sensor readings and setpoints and exhaust fan speed on graphics.

**DRAWINGS:**

Item No. 1 Sheet M001 Abbreviations: ***Omit*** "(N)". ***Replace*** with "(X)".

Item No. 2 Sheet M201, Detail 1, Sheet Note 2
***Delete*** and ***replace*** with the following: "INSTALL OFCI TRIPLE SINK (S-3). CONNECT TO CW, HW, WASTE, AND VENT PIPING IN MECHANICAL UTILITIES BEHIND SINK THAT PREVIOUSLY SERVED THE LAVATORY IN THE DEMOLISHED LACTATION ROOM. PROVIDE TWO CW SUPPLIES WITH SHUTOFF TO ICE MACHINE & ESPRESSO MACHINE."

Item No. 3 Sheet M201, Detail 2, Sheet Notes
***Add*** the following Sheet Note 12:
"12. Mount thermostat 72 inches AFF to avoid shelving."

Item No. 4 Sheet M201, Detail 1
***Relocate*** floor sink FS-1 1'-6" south to a location below the triple sink.

Item No. 5 Sheet M201, Detail 2
***Add*** superscript to read "HC-1" to the 5 thermostats (T in a circle) in the following rooms: Receiving 2591, Ante-Room 2593, Clean HD 2594, Clean Non-HD 2595, Non Sterile HD 2596.

Item No. 6 Sheet M201, Detail 2
***Remove*** dashed line and "HC-1" from thermostat (T in a circle) in room Non Sterile HD 2596.

Item No. 7 Sheet M201, Detail 2
**Add** superscript to read "H-1" to the humidistat (H in a circle) in Clean HD 2594.

Item No. 8 Sheet M201, Detail 2
***Add*** thermostat (T in a circle) to the plan north wall of Ante Room 2593 along with note #12 (12 in a diamond).

Item No. 9 Sheet E101, Detail 1
***Replace*** "SEE SHEETS E103, E202, E302, E402" ***with*** "SEE SHEETS E102, E201, E301, E401".

Item No. 10 Sheet E101, Detail 1
***Replace*** "SEE SHEETS E102, E201, E301, E401" ***with*** "SEE SHEETS E103, E202, E302, E402".

Item No. 11 Sheet E102, Detail 1
***Revise*** layout of existing electrical equipment in room BG ELECT 2564. See attached electrical sketch ESK-1.

Item No. 12 Sheet E203 Panel N22D3 Schedule
***Add*** (20EA) spare 20/1 circuit breakers to new Panel N22D3.

Item No. 13 Sheet E204 Panel N22B3 Schedule
***Add*** (20EA) spare 20/1 circuit breakers to new Panel N22B3.

Item No. 14 Sheet E204, Detail 1
Duct smoke detector adjacent to EF-14 is a new device.

Item No. 15 Sheet E301, Detail 1
***Delete*** Note 1.

Item No. 16 Sheet E302, Detail 1
***Add*** Note 1 as follows "1. Lighting control low voltage 0-10V cables are not shown, typical. Low voltage wiring for 0-10V dimming shall be installed in rooms where dimming controls are indicated."

Item No. 17 Sheet E302, Detail 1
***Change*** All type C luminaires to type B luminaires.

Item No. 18 Sheet E401, Detail 1
***Delete*** all (6EA) conduits labeled "1/2"C, CONTROL CABLE" routed from pressure sensors to HVAC CONTROL PANEL.

Item No. 19 Sheet E401, Detail 1
***Delete*** all (5EA) pressure sensors.

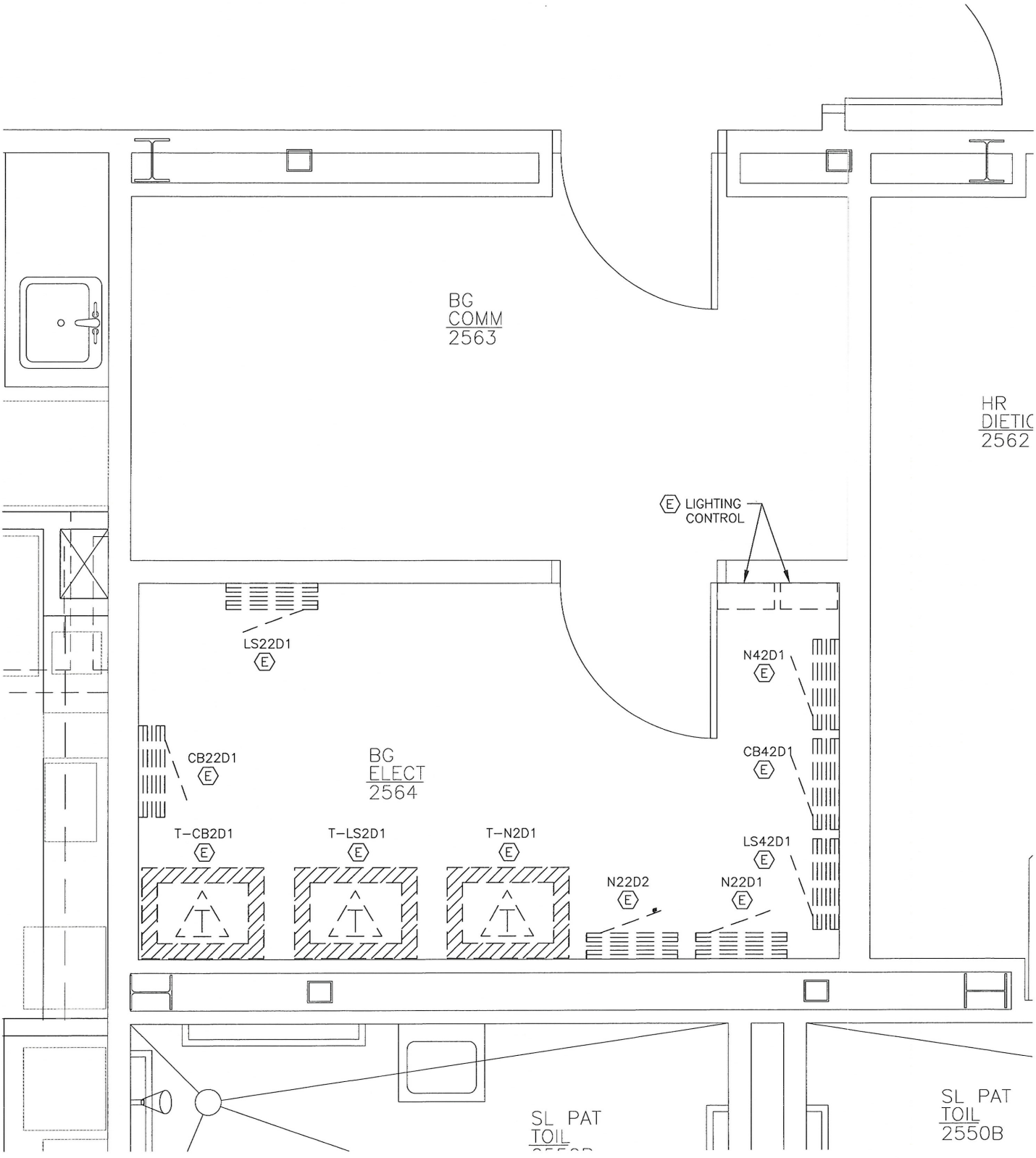
Item No. 20 Sheet E401, Detail 1
***Add*** (1EA) single jack ACH telephone device on north wall of ANTE-ROOM 2593, adjacent to data port.

Item No. 21 Sheet E401, Detail 1
***Add*** Note 8 as follows "8: Install new CAT6 cables in conduit per hospital requirements, UON."

Item No. 22 Sheet E402, Detail 1
***Provide*** 2-jack data ports at east end of COFFEE 2735 shall be installed ACH.

By: Janet Sanbei
Janet Sanbei,
Administrative Officer

Total number of pages contained within this Addendum: 6




1 BG ELECT 2564

SCALE: 0 6" 1' 2' 4'

HAIGHT & ASSOCIATES

CONSULTING
ELECTRICAL
ENGINEERS

526 Main Street
Juneau, Alaska 99801
(907) 586-9788 Fax
(907) 586-5774

# BARTLETT REGIONAL HOSPITAL
# PHARMACY CLEAN ROOM
# CBJ PROJECT #BE19-226

## ADDENDUM 2

| | |
|---|---|
| DATE: | 30 May, 2019 |
| DRAWN: | REJ |
| CHECKED: | BCH |
| PROJ NO: | 100-310 |
| SCALE: | AS NOTED |
| SHEET NO: | ESK-1 |