



March 19, 2009

Bettisworth North
2600 Denali Street, Suite 710
Anchorage, AK 99503

Attention: Lawrence Jorgensen

Subject: Selawik Clinic

Dear Loren:

Following is a report of our trip on 03-17-09 to Selawik with my observations on the status of roughed-in electrical systems at the clinic.

Status of Electrical Work

1. The electrical rough-in to include junction boxes and EMT for power, lighting and signals is almost complete except as noted below.
2. The grounding electrodes and grounding electrode conductor are installed.
3. The electrical panel enclosures without bussing or circuit breakers are installed.
4. Some branch circuit wiring has been pulled from electrical panel enclosures to junction box locations.
5. It appears that the utility service transformer is in place.

Incomplete Work

1. The electrical service to include meter, CT, main disconnect and automatic transfer switch is not installed.
2. The rough-in for head bolt heater outlets on the parking deck is not installed.
3. Exterior lighting and receptacle outlets are not roughed-in.
4. Exterior emergency lighting not roughed-in
5. Exhaust fans to be roughed-in with a separate switch from lighting fixtures.
6. Receptacle J-box and EMT on plan east wall at 84" appears to be missing.
7. Receptacle J-box and EMT on plan East wall in Hall 148 not in.
8. Flex for range hood roughed in, but not J-box.
9. J-box for electric range roughed in, but no EMT.
10. Dental room rough-in is incomplete pending dental room equipment layout information. X-ray and Dental Vacuum equipment circuits to be roughed-in according to pending revised room layout sketch.
11. J-boxes for washer & dryer are in, but no EMT is installed for washer & dryer in Laundry Rm. 131.
12. Mechanical room equipment J-boxes with EMT are wall mounted for mechanical equipment circuits. But feeds, disconnects, starters and receptacles for the mechanical equipment are not yet installed.

13. Incoming telephone service with NEMA 3R enclosure and weather head is not installed.
14. Antenna 8" X 8" J-box above suspended ceiling not installed.
15. Telecom J-box not installed above suspended ceiling in Room W.S. 107
16. Telecom j-box installed but no EMT to above accessible ceilings in rooms: Exam 138, Exam 135, Exam 110, plan South wall Exam 112, plan East & South wall Exam 114, and all locations Dental 120.
17. No Telecom J-boxes or EMT to above accessible ceilings are roughed-in for rooms: plan South Wall of Exam 135, two telecom outlets on plan East wall & plan North wall of Lab 134, and North wall of Exam 114.
18. Two 2' EMT telecom raceways to be installed from corridor C-1 and Mech M-2 into comm. 137 .
19. Telecom Backboard to be installed.
20. J-hook telecom cable management system to be installed.
21. Cable tray to be installed
22. Telecom grounding & bonding to be installed.

Deviations from the Construction Documents

1. Revise circuiting in Comm. 137 to panel B-38,40
2. Revise receptacle in storage 113 to be with the Exam 112 receptacle circuit C-12.
3. Revise circuits in Lab 134 to be from panel B.
4. Dental room layout to be revised per new equipment layout. Digital X-ray equipment to be center consul mounted with separate conduit for power & telecom. New circuit for dental vacuum system.
5. Provide a 1" conduit for antenna cable from box mounted above accessible ceiling to wall box location near VHF transceiver location as directed by owner's representative to avoid cutting a hole in ceiling tiles and running antenna cable exposed.

The overall quality of workmanship on this project is excellent showing considerable care and good planning in the rough-in and layout of conduit and boxes on this project. Please contact me if you have any questions concerning this rough-in inspection.

Sincerely,

Bill Wessels, P.E.

Bill Wessels, PE
Electrical Engineer