

March 20, 2024

BGIS
Tunney's Pasture
Ottawa, Ontario
K1A 0T6

ATTENTION: TAREK YAKUB, SENIOR PROJECT MANAGER

**SUBJECT: LETTER OF SUBSTANTIAL COMPLETION
101 GOLDENROD DRIVEWAY - TUNNEY'S PASTURE
DND DATA CENTRE - BUILDING 16 - FIRE ALARM SYSTEM REPLACEMENT
PWG2332437-CS
GWAL PROJECT NO. 2021-445**

Based on our periodic site reviews at the above project we confirm that the electrical work has been substantially completed as of March 19, 2024, with the exception of the deficiencies noted in the attached field observation report FOR-E7/R1, dated March 20, 2024.

Yours very truly,

GOODKEY, WEEDMARK & ASSOCIATES LTD.



James Moffat, P.Eng. | Partner, Senior Electrical Engineer

JM/kr

e.c.: Christine Burns (BGIS)
Valerie Page (BGIS)
Mckenzie MacTavish (BGIS)
James Moffat (GWAL - Electrical)
Chris Smith (GWAL - Electrical)
Hanan Maryil (GWAL - Electrical)
Roger Lavictoire (GWAL - Electrical)

Enclosure(s): FOR-E7/R1

PROJECT NAME	101 GOLDENROD DRIVEWAY - TUNNEY'S PASTURE - DND DATA CENTRE - BUILDING 16 - FIRE ALARM SYSTEM REPLACEMENT - PWG2332437-CS		
CONTRACTOR	WIRED SYNERGY INC.		
PROJECT NO.	GWAL 2021-445		
DATE	MARCH 20, 2024	BUILDING PERMIT NO. 2206386	
FOR NO.	E7/R1	ESA NO. 17588944	

General Construction Review is based on rational sampling of the work for general conformity with the Contract Documents at Goodkey, Weedmark & Associates Limited's (GWAL) sole discretion. Only work, which has been reviewed by GWAL shall be considered to have been appraised. Any comments on the remaining balance of work are assumptions only and based on extrapolations which do not relieve the contractor of any obligation to complete the balance of work as per the contract documents.

Our site visit March 4, 2024, resulted in the following observations:

PART A - OBSERVED ITEMS TO BE ADDRESSED

Item	Date	Description	Action by	Status
N/A				

PART B - GENERAL CONSTRUCTION PROGRESS

1. DEMOLITION

1.1 Basement Level:

- .1 Removal of wall devices, conduits, and boxes completed.
- .2 Cleaning and patching of walls completed.
- .3 Open box to be closed at ceiling front of room B-10. (Figure 8)
- .4 Room B-76 wall penetration to be completed. (Figure 7)

1.2 Ground Level:

- .1 Removal of wall devices, conduits and boxes is completed.
- .2 Cleaning and patching of walls is on-going.
- .3 Repair of floor penetration at stairwell ceiling reviewed.
- .4 Room 139: Painting to be completed.
- .5 West stair hole at ceiling to be repaired. (Figure 1)
- .6 Room 132: Cover plate to be installed.
- .7 Section M - behind room 134 ceiling tile to be closed.

1.3 Second Level:

- .1 Removal of wall devices, conduits, and boxes completed.
- .2 Cleaning and patching of walls is on-going.
- .3 Repair of floor penetration at stairwell ceiling reviewed.

1.4 Third Level:

- .1 Removal of wall devices, conduits and boxes completed.
- .2 Cleaning and patching of wall is on-going.
- .3 Repair of floor penetration at stair well reviewed.
- .4 Room 329 - Patching to be painted. (Figure 9)
- .5 Column front of room 324 patch and paint to be completed. (Figure 10)

1.5 Fourth Level:

- .1 Removal of wall devices, conduits and boxes completed.
- .2 Cleaning and patching of wall is on-going.
- .3 Repair of floor penetration at stair well reviewed.

1.6 Fifth Level (Penthouse):

- .1 Removal of wall devices, conduits and boxes completed.
- .2 Installation of proper sealant in wall penetration completed.
- .3 Contractor to review specification for material repair on duct work material at the duct smoke location.

1.7 Exterior Work:

- .1 Fixing of sod at site trailer and storage container to be completed. (Figures 11-15)

2. FIRE ALARM

2.1 Basement Level:

- .1 Installed in general conformance with drawings and specifications.

2.2 Ground Level:

- .1 Installed in general conformance with drawings and specifications.

2.3 Second Level:

- .1 Installed in general conformance with drawings and specifications.

2.4 Third Level:

- .1 Installed in general conformance with drawings and specifications.

2.5 Fourth Level:

- .1 Installed in general conformance with drawings and specifications.

2.6 Fifth Level: (Penthouse)

- .1 Installed in general conformance with drawings and specifications.

2.7 Stairs A and B:

- .1 Installed in general conformance with drawings and specifications.

2.8 General Notes:

- .1 City walk through of new system and testing of alternate devices with consultant.
- .2 S1001 commissioning report completed.
- .3 **Contractor to provide sample of wall patching and get it reviewed and approved by client going forward with installation. Contractor to change all 4 by 4 covers on columns and walls with 6 by 6 cover plates or a double gang blank cover plate where applicable. Matching of colours to be reviewed to have a closer match. (Figures 2-6)**

PART C – SUBMISSIONS1. SUBMISSIONS FOR OCCUPANCY

- 1.1 Fire alarm verification report. - **Received.**
- 1.2 ESA notification number. - **Received.**

2. SUBMISSIONS FOR PROJECT COMPLETION

- 2.1 ESA inspections reports including FINAL submitted.
- 2.2 Shop drawings to be submitted.
- 2.3 As-built drawing to be submitted.
- 2.4 O&M manuals to be submitted prior to training.
- 2.5 Warranty letter to be submitted.
- 2.6 Spare parts list and turn over documentation to be submitted.
- 2.7 Fire alarm graphic to be submitted.

PART D - CONTEMPLATED CHANGE ORDERS

Item #	Descriptions	Status	Date
CCO-E1	Trailer / Seacan, Power Connection	Issued	September 22, 2022
CCO-E2	Conduit Revision to Room B51 & Installation Revision for Device in Room 430	Issued	February 22, 2023
CCO-E3	Installing Air Sampling System for Room B15 and B16	Issued	April 11, 2023
CCO-E4	Main Fire Alarm Panel (Node #1)	Issued	April 12, 2023
CCO-E5/R1	Door Holder - Double Door Beside Stair 'A'	Re-Issued	November 28, 2023
CCO-E6	Replace Loading Dock Tamper Switch #2 - Existing Device Failed	Issued	September 22, 2023
CCO-E7	Smoke Detector Removal	Issued	November 20, 2023
CCO-E8	Basement Level Remediation	Issued	February 09, 2024

PART E - SITE INSTRUCTIONS

Item #	Descriptions	Status	Date
SI-E1/R1	Fire Alarm Sequence of Operations Clarification	Re-Issued	January 04, 2024
SI-E2	Spare Parts Clarification	Issued	January 04, 2024

PART F - PHOTOS



Figure 1 - PART B
Item 1.2.5



Figure 2 - PART B
Item 2.8.3

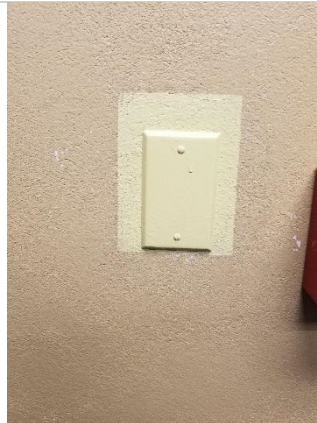


Figure 3 - PART B
Item 2.8.3

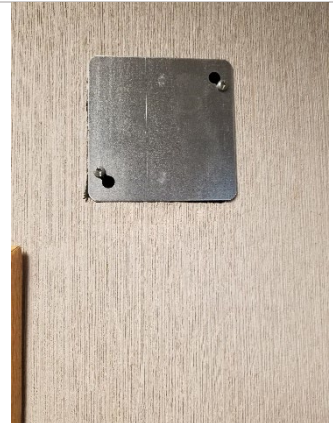


Figure 4 - PART B
Item 2.8.3

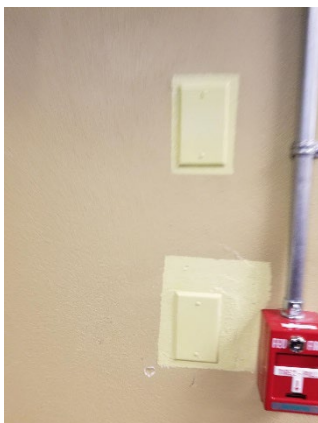


Figure 5 - PART B
Item 2.8.3



Figure 6 - PART B
Item 2.8.3



Figure 7 - PART B
Item 1.1.4



Figure 8 - PART B
Item 1.1.3

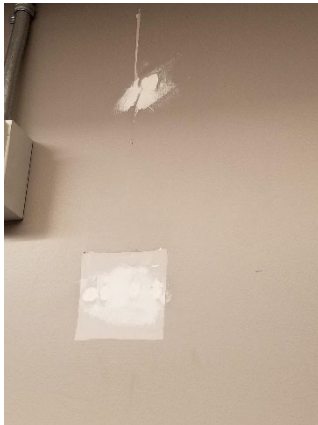


Figure 9 - PART B
Item 1.4.4

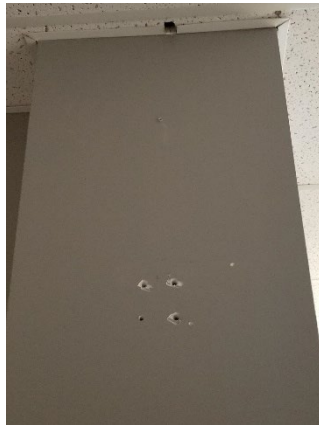


Figure 10 - PART B
Item 1.4.5



Figure 11 - PART B
Item 1.7.1



Figure 12 - PART B
Item 1.7.1




Figure 13 - PART B
Item 1.7.1



Figure 14 - PART B
Item 1.7.1



Figure 15 - PART B
Item 1.7.1

ISSUED BY	DISTRIBUTION
Roger Lavictoire /kr 	Tarek Yakub (BGIS) Christine Burns (BGIS) Valerie Page (BGIS) Mckenzie MacTavish (BGIS) Chris Smith (GWAL - Electrical) Hanan Maryil (GWAL - Electrical) Roger Lavictoire (GWAL - Electrical)