

March 26, 2024

Barrie Fire Station No. 6
245 Maplevue Drive East,
Barrie, ON

REGAL CONSULTING ENGINEERS INC.
208 Wyecroft Road, Suite 200
Mississauga, ON L6K 3S3
Phone: 905-844-3913

This addendum forms part of the contract documents and amends the original bidding requirements, drawings and specifications, as noted below.

ELECTRICAL

1. Delete and replace electrical drawings E6.0 & E6.0-A-1, with revised electrical drawing E6.0-A-2.
2. Delete and replace electrical drawings E6.1 & E6.1-A-1 with revised electrical drawing E6.1-A-2.
3. Delete and replace electrical drawing E9.0 with revised electrical drawing E9.0-A-1.
4. Find attached Fire Alarm Sequence of Operations, it shall be added to the specs section (28 13 10) for the fire alarm systems.

End of Addendum ME-2

Addendum-1

Addendum-1



~~Addendum-~~

- ### ELECTRICAL SINGLE LINE DIAGRAM



ISSUE OR REVISION

BARRIE FIRE STATION 6

845 MAPLEVIEW DRIVE EAST, BARRIE, ONTARIO

PROJECT:

PROFESSIONAL SEAL :

DWG TITLE :

SINGLE LINE DIAGRAM & PANEL SCHEDULES



DATE : JUN 14, 2023

SCALE : NTS

DRAWN BY: MS

CHECKED BY : MA

DWG STATUS: TENDER

PROJECT No. : 2023-401

DRAWING No. :	E6.0 -A-2	REVISION
---------------	-----------	----------

NOTES:
1. REFER TO DOOR POWER DETAIL #4 on E7.0.
2. ALL DOOR OPERATORS TO INCLUDE SEQUENCING CONTROL CX12 BOARD PROVIDED BY DOOR HARDWARE SUPPLIER. SECURITY CONTRACTOR TO PROVIDE INTEGRATION OF DOOR OPERATORS.
3. UPON FIRE ALL EXTERIOR DOORS MAG SHALL BE RELEASED.

The Contractor shall verify all dimensions prior to commencement of the work.
All print and specifications are the property of the Architect and must be returned upon completion of the work.

ISSUE OR REVISION

No.	Description	Date
1	ISSUED FOR REVIEW	2023-06-22
2	ISSUED FOR REVIEW	2023-06-27
3	ISSUED FOR REVIEW	2023-07-06
4	ISSUED FOR 100% DESIGN DEVELOPMENT	2023-08-06
5	ISSUED FOR DD SIGN-OFF	2023-08-23
6	PROGRESS SET	2023-09-22
7	75% SUBMISSION	2023-10-13
8	ISSUED FOR BUILDING PERMIT	2023-11-01
9	95% SUBMISSION	2023-11-10
10	100% SUBMISSION	2023-11-24
11	100% SUBMISSION	2024-02-12
12	ISSUED FOR TENDER	2024-02-23
13	ISSUED FOR TENDER	2024-02-26
14	ISSUED FOR ADDENDUM ME-1	2024-03-12
15	ISSUED FOR ESA PLAN REVIEW	2024-03-20
16	ISSUED FOR ADDENDUM ME-2	2024-03-26

PROJECT :
BARRIE FIRE STATION 6

845 MAPLEVIEW DRIVE EAST, BARRIE, ONTARIO

PROFESSIONAL SEAL :

DWG TITLE :

PROPOSED SECURITY FLOOR PLAN



REGAL CONSULTING ENGINEERS INC.
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS
208 Wycroft Road, Suite 200, Oakville, Ontario L6K 3S3
PHONE: (905) 844-3913
www.regal-eng.com

DATE : **JUN 14, 2023**

SCALE : **1:60**

DRAWN BY: **AS**

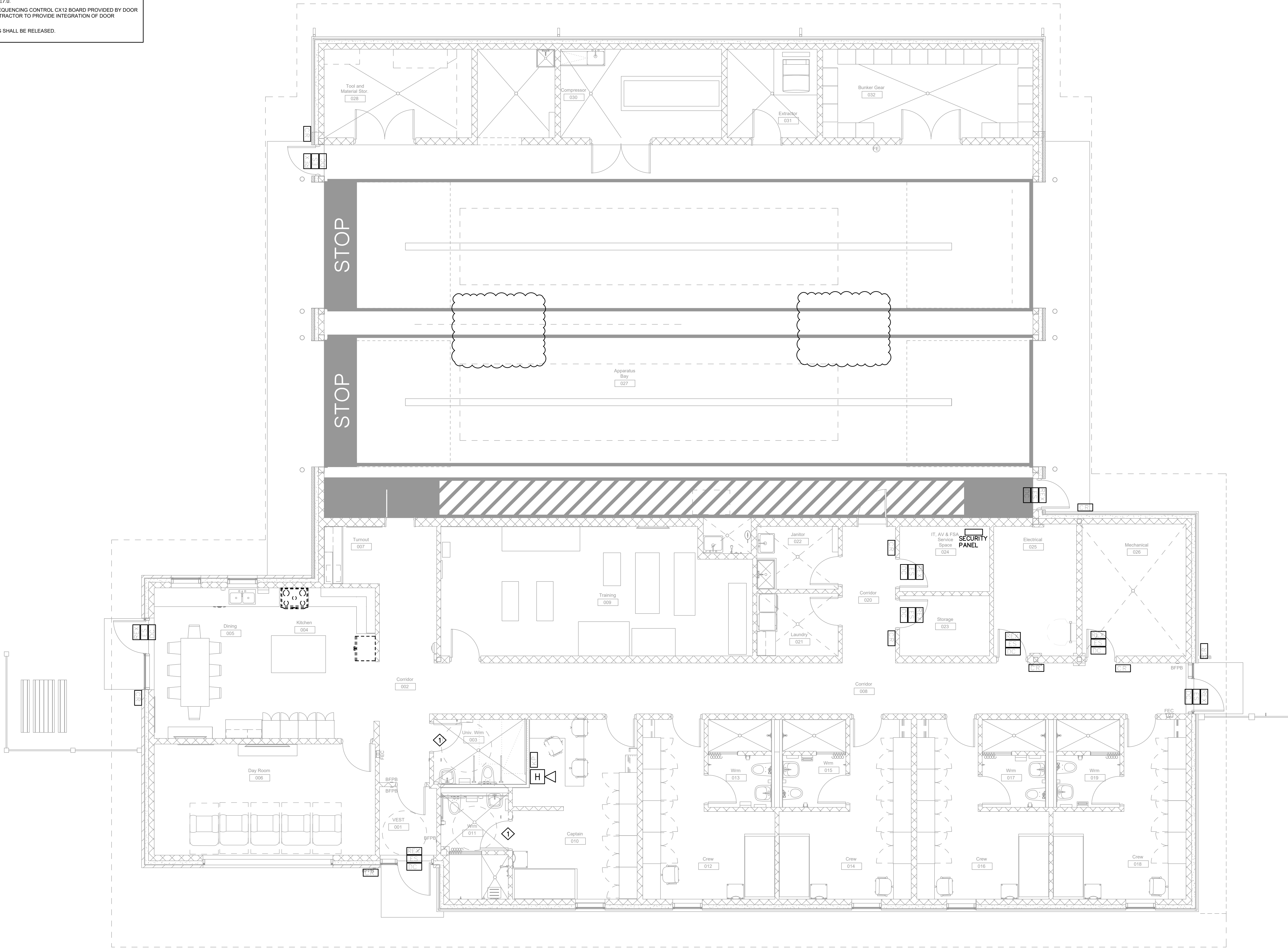
CHECKED BY: **MA**

DWG STATUS : **TENDER**

PROJECT No. : **2023-401**

DRAWING No. : **E9.0 -A-1**

REVISION



REGAL CONSULTING ENGINEERS INC.

208 Wyecroft Road, Suite 200, Oakville, ON L6K 3S3

FULLY ADDRESSABLE FIRE ALARM SYSTEM SEQUENCES OF OPERATION FOR FIRE STATION # 6, CITY OF BARRIE

Addressable fire alarm devices and control panel are distinguished by their ability to identify each active fire alarm field device. The addressable fire alarm system meets the requirements for the electrical supervision of field devices and it provides the means of identifying the point in a building where an alarm has been initially activated.

Addressable fire alarm system designed for The Fire Station # 6 (City of Barrie) is a single stage fire alarm system. A single stage fire alarm system shall upon the operation of any manual pull station or fire smoke detector, cause any alarm signal to sound all audible signal devices in the system.

All the fire alarm devices of the fully addressable fire alarm system are connected to the fire alarm panel through the initiating circuits or SLC, which stands for signaling line circuits. On the other side of the fire alarm panel are the output circuits for a building alarm and evacuation.

Horn/Strobe devices are connected on the output circuits which is labelled NAC. That's stands for National Appliance Circuit.

When there is an input from smoke / heat detector / smoke alarm or any fire alarm initiating device. It sends a signal to the fire alarm panel, the panel will go into a fire alarm condition and will sound all audible signal devices in the system for the evacuation of the building.

Smoke Alarms wired in series shown in the crew area comes with a smoke alarm relay module (Kidde SM120X). This relay is connected to the fire alarm panel and will activate when it receives a smoke signal from an interconnect smoke alarm.

