

LARRY GAINES • ARCHITECT

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CIR Response

CIR #19

To:

TALCO BUILDING INNOVATIONS LTD.
4728 Bank Street, Suite A
Ottawa, Ontario

Project:

Carleton Place Arena
Renovation and Addition

Date:

October 29, 2020

CIR Responses are issued only for the purpose of recording any clarification or interpretation of the contract documents or giving direction on problems resulting from field conditions. These instructions are subject to the provisions of the contract documents and unless stated herein and specifically co-authorized by the Client, will not affect the contract

REFERENCES:

CIR #19 submitted October 13, 2020

1. Revisions to mechanical room layout
2. Revisions to the fire alarm system

PER:

Larry Gaines
Architect



**CARLETON PLACE ARENA
ADDITION AND RENOVATIONS
75 Neelin Street Carleton Place, Ontario**

TAL-CO Building Innovations Limited
4728 Bank Street, Suite A
Gloucester, Ontario K1T 3W7
Tel: 613-821-3959
Fax: 613-821-2938

Issue date: Oct-13-2020
Revision date: N/A
Revision #: N/A

CIR # 19 Detailed Summary

Questions:

1. To maximize the decibels and light output, our electrical contractor in correlation with their Fire Alarm sub-trade are proposing to install several horn and strobes on the ceilings instead of on walls, the areas where we propose this devices ceiling mounted are as follows:
 - Dressing rooms E, F and Canadians
 - Existing washrooms under the stands
 - Mechanical rooms under the stands
 - Lobby area
 - Washrooms in lobby area
 - Offices in lobby area
 - Office room 107
 - Existing hall on 2nd floor
 - Corridor rm 200

2. Their Fire Alarm tech also noticed that there are smoke detectors above the seating area on the arena. They have advised that smoke detectors cannot be installed in an unheated area as these devices will not work. We have referenced the ULC and building code 3.4 and did not see a requirement for detectors in a seating area of an arena.

Is there a code requirement that we have missed? please provide if we have missed it; otherwise, we would recommend removing these devices.

Please advise.

End of CIR No. 19

SITE INSTRUCTION NO. ME-07 MECHANICAL AND ELECTRICAL

Project Name: Carleton Place Arena
75 Neelin Street
Carleton Place, Ontario

Project No.: 205

Date: 2020 October 29

MECHANICAL

M7.1 SKETCH MSK-1 – REVISION 1:

Indicates new location of Water Storage Tank and approximate location of new Floor Drain in existing Mechanical Room.

ELECTRICAL

E7.1 SKETCH MSK-1 – REVISION 1:

Indicates new location of Electrical Panel and Transformer.

E7.2 DRAWINGS FA1 & FA2 – REVISION 1:

.1 The following items have been deleted from the list in the M&E Addendum:

.1 South Arena Lobby:

1 – Smoke Detector in Lobby;

2 – Horns/Strobes in Lobby;

.2 South Arena Rink:

1 – Heat Detector in north Service and Storage Rooms;

2 – Horns/Strobes in north Service Rooms;

.3 South Arena Change Rooms:

1 – Smoke Detectors in Corridor.

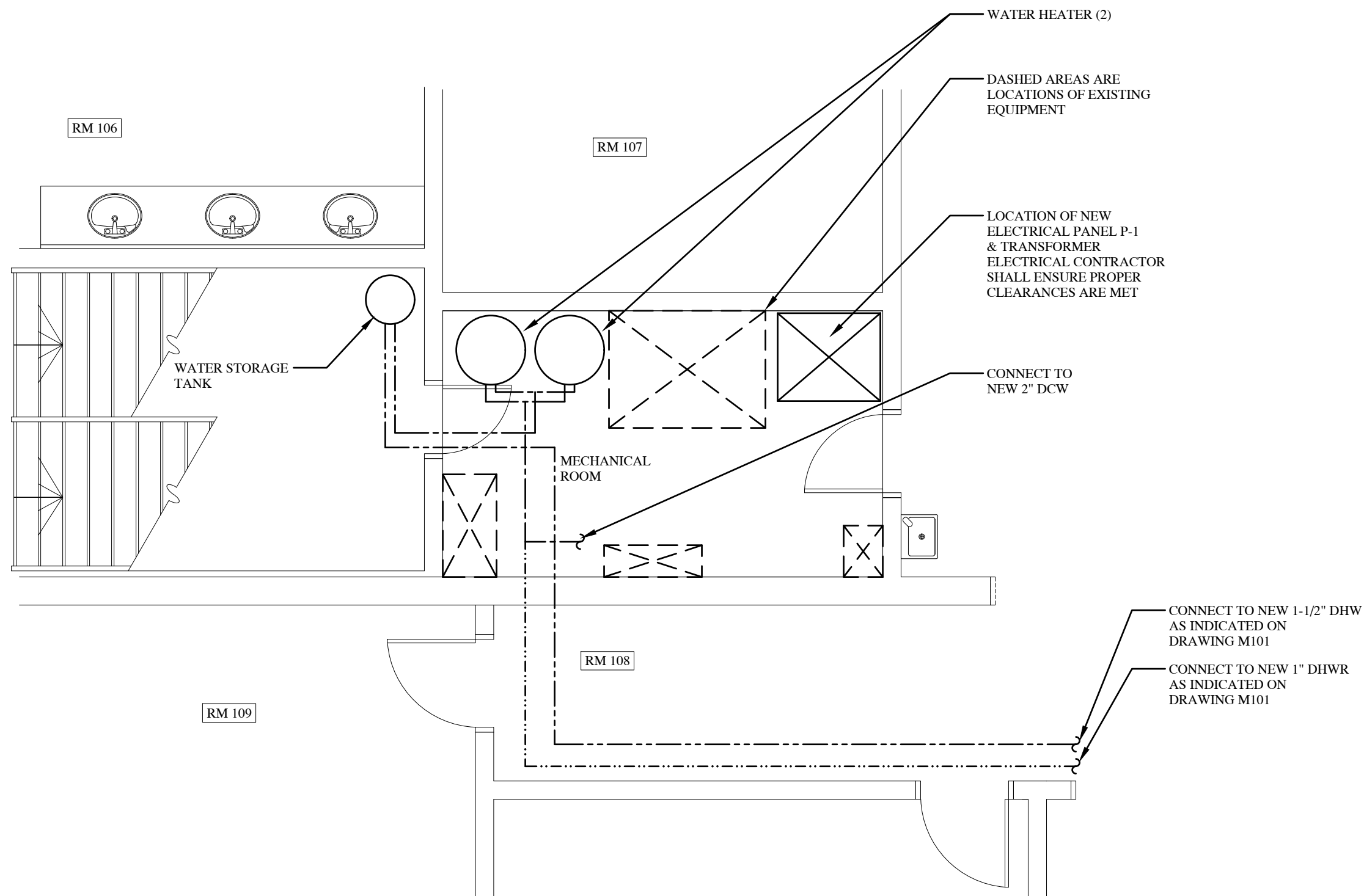
.2 The following items have been added to the list in the M&E Addendum:

.1 South Arena Rink:

1 – Pull station at exterior door;

Attachment: Sketch MSK1
Drawings FA1 & FA2

M. Morris P.Eng.



No.	Date	Revision
1	2020-10-29	REVISED, PER SITE DISCUSSION
0	2020-10-01	FOR REVIEW

No.	Date	Revision

Client:
LARRY GAINES
ARCHITECT
Almonte, ON

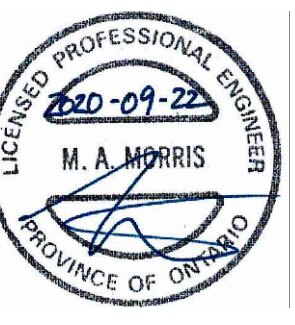
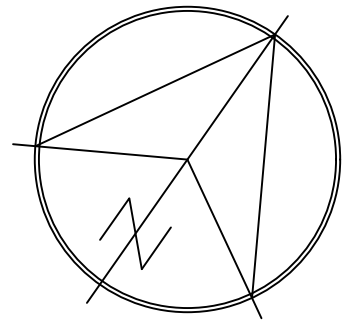
Project:
CARLETON PLACE
ARENA ADDITION
Carleton Place, ON

Drawing:
WATER HEATER
RELOCATION

Design:	M.MORRIS
Drawn:	A.M.
Date:	SEP 2020
Project:	205
Scale:	AS SHOWN

1 MECHANICAL ROOM (EXISTING)
MSK1 SCALE: 1/4" = 1'-0"

MSK1



No.	Date	Revision
1	2020-10-29	REVISIONS, PER SITE DISCUSSION
0	2020-09-22	FOR REVIEW

- LEGEND:
- ⊗ HEAT DETECTOR
 - ⊙ SMOKE DETECTOR
 - ⊕ DUCT SMOKE DETECTOR
 - PULL STATION
 - ▽ FIRE ALARM HORN/STROBE

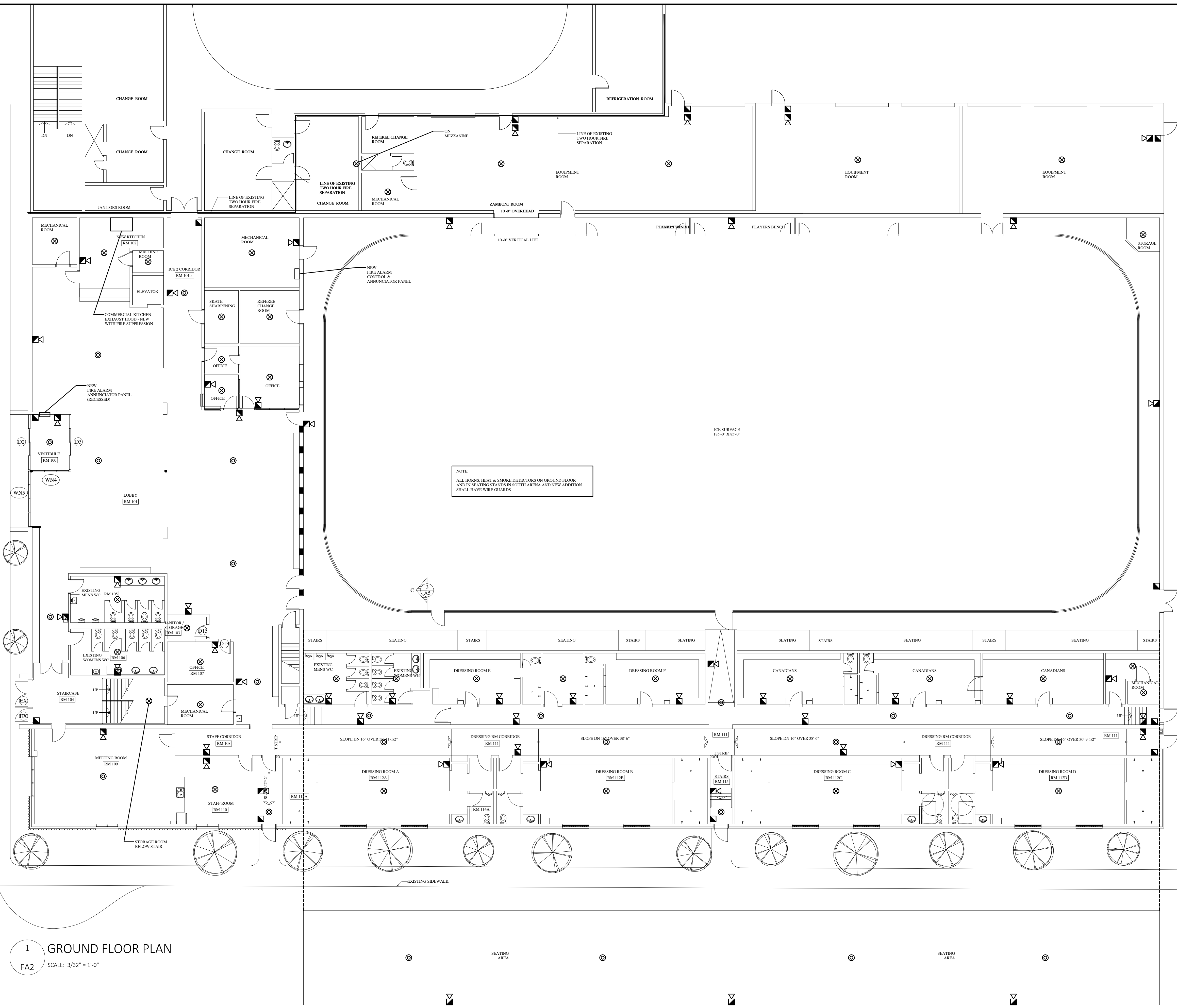
Client:
LARRY GAINES
ARCHITECT
Almonte, ON

Project:
CARLETON PLACE
ARENA ADDITION
Carleton Place, ON

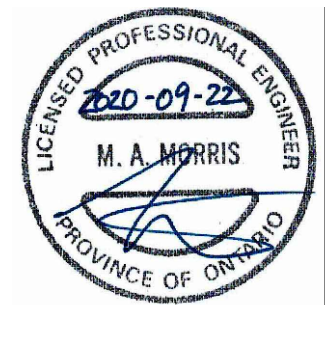
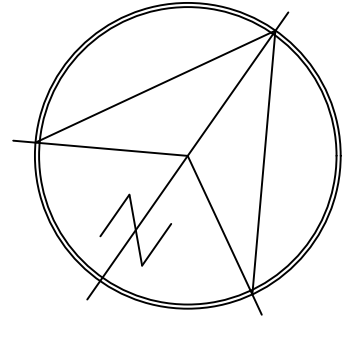
Drawing:
Fire Alarm System

Design:	M.MORRIS
Drawn:	A.M.
Date:	SEP 2020
Project:	205
Scale:	AS SHOWN

FA2



1 GROUND FLOOR PLAN
FA2 SCALE: 3/32" = 1'-0"



No.	Date	Revision
1	2020-10-29	REVISIONS, PER SITE DISCUSSION
0	2020-09-22	FOR REVIEW

- LEGEND:**
- ⊗ HEAT DETECTOR
 - ⊙ SMOKE DETECTOR
 - ⊕ DUCT SMOKE DETECTOR
 - ▣ PULL STATION
 - ▽ FIRE ALARM HORN/STROBE

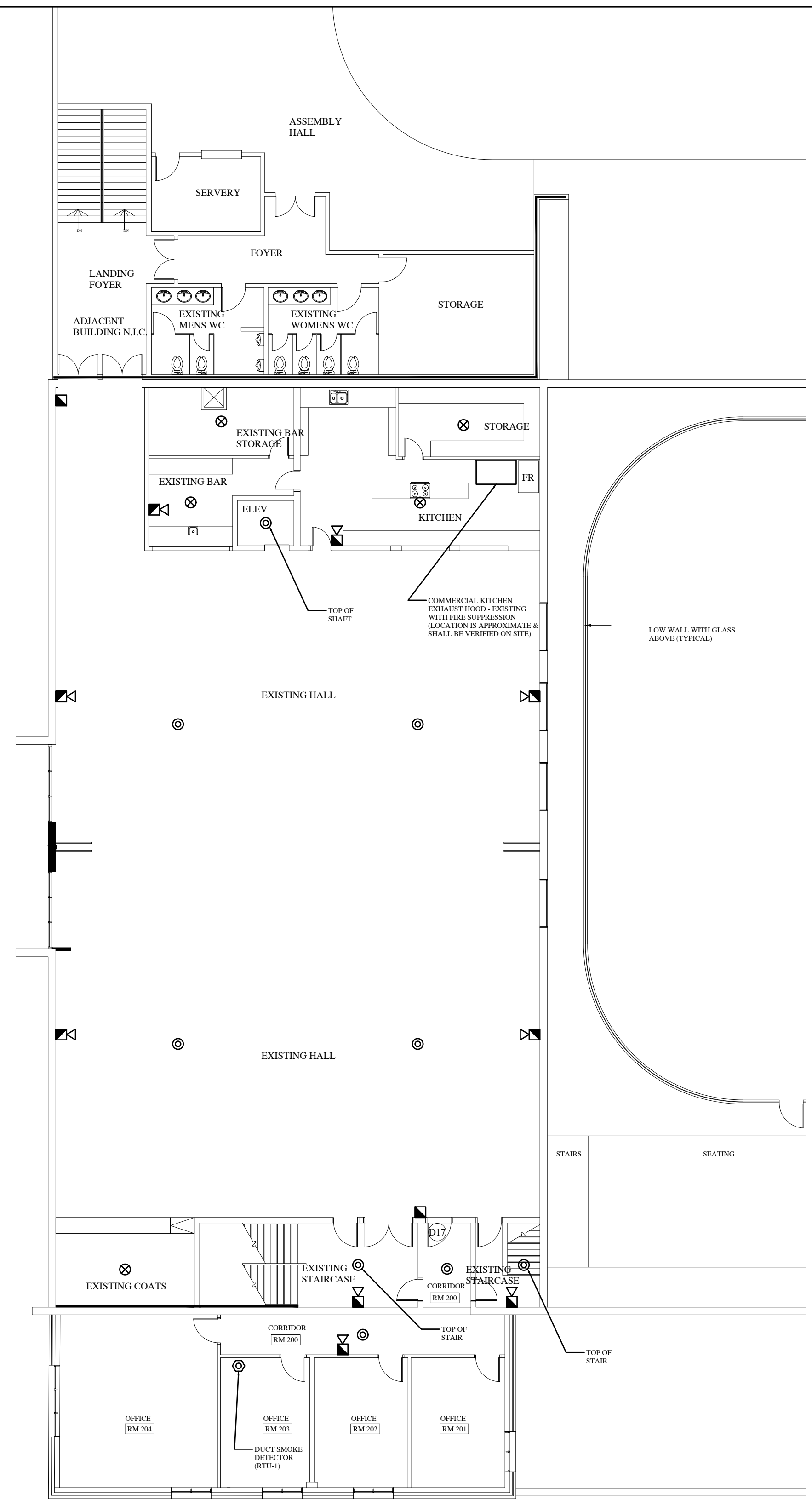
Client:
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Almonte, ON

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Carleton Place, ON

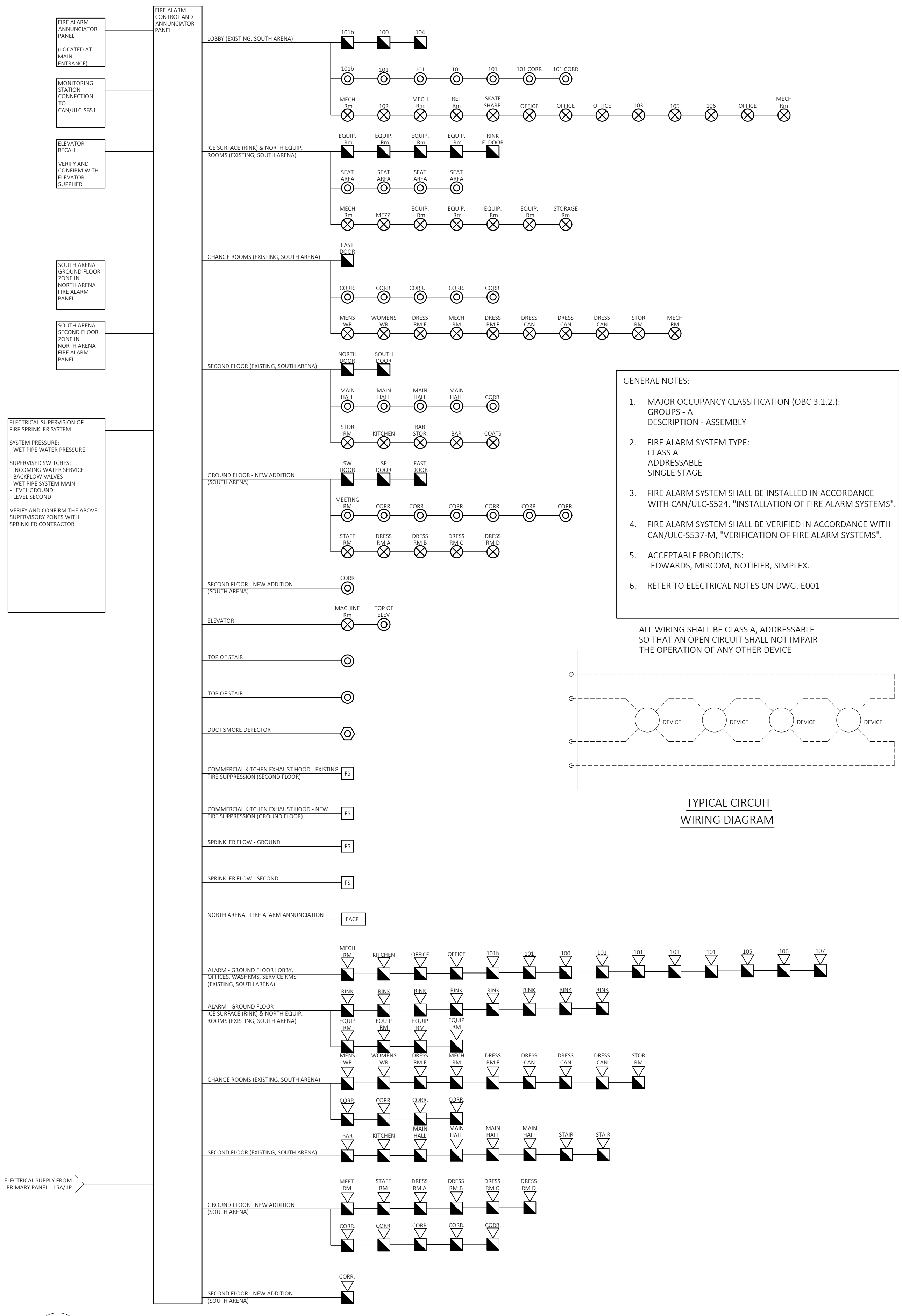
Drawing:
Fire Alarm System

Design:	M.MORRIS
Drawn:	A.M.
Date:	SEP 2020
Project:	205
Scale:	AS SHOWN

FA1

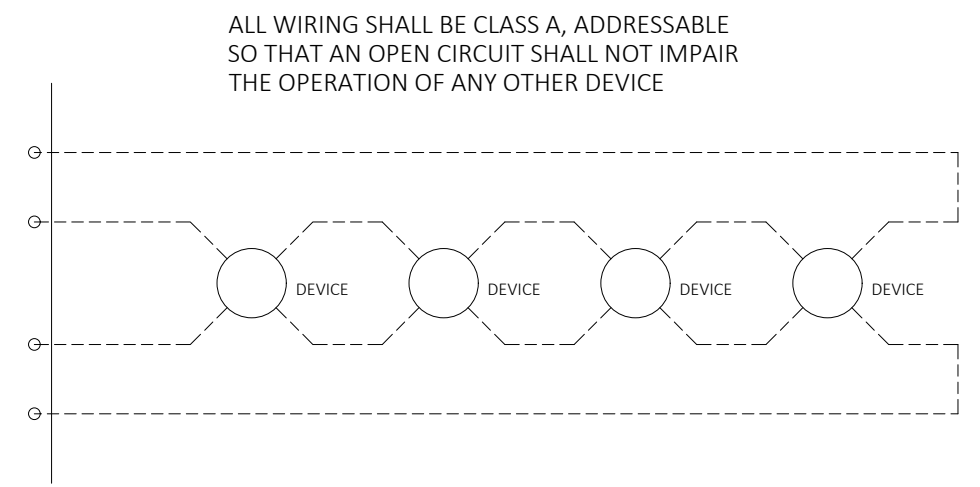


2 SECOND FLOOR PLAN
FA1 SCALE: 3/32" = 1'-0"



1 FIRE ALARM - SCHEMATIC DIAGRAM
FA1 NTS

- GENERAL NOTES:**
- MAJOR OCCUPANCY CLASSIFICATION (OBC 3.1.2.): GROUPS - A DESCRIPTION - ASSEMBLY
 - FIRE ALARM SYSTEM TYPE: CLASS A ADDRESSABLE SINGLE STAGE
 - FIRE ALARM SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH CAN/ULC-5524, "INSTALLATION OF FIRE ALARM SYSTEMS".
 - FIRE ALARM SYSTEM SHALL BE VERIFIED IN ACCORDANCE WITH CAN/ULC-5537-M, "VERIFICATION OF FIRE ALARM SYSTEMS".
 - ACCEPTABLE PRODUCTS: EDWARDS, MIRCOCOM, NOTIFIER, SIMPLEX.
 - REFER TO ELECTRICAL NOTES ON DWG. E001



TYPICAL CIRCUIT WIRING DIAGRAM

ELECTRICAL SUPERVISION OF FIRE SPRINKLER SYSTEM.
SYSTEM PRESSURE: WET PIPE WATER PRESSURE
SUPERVISED SWITCHES: INCOMING WATER SERVICE BACKFLOW VALVES WET PIPE SYSTEM MAIN LEVEL GROUND LEVEL SECOND
VERIFY AND CONFIRM THE ABOVE SUPERVISORY ZONES WITH SPRINKLER CONTRACTOR.

ALL WIRING SHALL BE CLASS A, ADDRESSABLE SO THAT AN OPEN CIRCUIT SHALL NOT IMPAIR THE OPERATION OF ANY OTHER DEVICE