aercoustics

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NOISE AND VIBRATION IMPACT STUDY
Project: 23245.00

725 Westney Road South
Ajax, Ontario

Prepared for:

Firearms Outlet Canada
725 Westney Road South Unit #2
Ajax, ON, L1S 7J7

Prepared by:

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April 24, 2025

Revision History

Version	Description	Author	Reviewed	Date
1	Initial Report	NZ	ES	December 20, 2023
2	Updated for Site Plan Revision	NZ	NSW	July 4, 2024
3	Revision of Noise Mitigation Requirements	NZ	ES	September 30, 2024
4	Updated to Address Peer Review Comments	NZ	ES	November 13, 2024
5	Updated to Address SPA Comments and Proposed Noise Mitigation	NZ	ES	April 24, 2025

Important Notice and Disclaimer

Table of Contents

1 Introduction

Firearms Outlet Canada, through the Biglieri Group, has retained the services of Aercoustics Engineering Limited to prepare a Noise and Vibration Impact Study for the proposed commercial development at 725 Westney Road South in Ajax, Ontario, for the purposes of assessing the feasibility of the development in support of a Site Plan Approval application.

The purpose of this study was to examine the existing noise environment in the development area and examine the impact of the proposed development on existing noise sensitive receptors off-site. This report also investigates the noise control features that are required for the development to meet the noise guidelines of the Ontario Ministry of the Environment and Climate Change (MECP) and to satisfy the requirements of the Town of Ajax. This report considers the MECP guideline NPC-300 “Stationary and Transportation Sources – Approval and Planning” (August 2013).

The site is located at 725 Westney Road South in Ajax, Ontario and currently features a commercial plaza consisting of single-storey commercial units. Occupants of these units include a Firearms Outlet Canada retail store, car-detailing facility and accountant office. The proposed development will expand the firearms facility by amalgamating the commercial units and adding a two-storey addition which will include two shooting ranges. The first-floor range is a traditional range to feature 15 lanes and the second-floor shooting range is a clayhouse shotgun range to feature 7 lanes.

Figure 1 provides a key plan showing the location of the proposed development and nearby points of reception. Figure 2 shows the daytime and nighttime minimum ambient background sound levels due to road traffic calculated at the nearby points of reception. Figures 3 shows daytime and nighttime noise impact from on-site steady stationary sources at adjacent worst-case residential receptors. Figure 4 shows daytime noise impact from on-site impulse stationary sources at adjacent worst-case residential receptors.

The site is currently zoned PE - Prestige Employment. The site is adjacent to commercial plazas to the north, east and west (zoned PE - Prestige Employment and General Employment – GE), and residential areas to the south (zoned Low Density Residential – LDR). A zoning map is presented in Appendix A.

This report is based on the following information:

- “Firearms Outlet Canada – Issued For SPA” architectural drawings dated March 19, 2025 and prepared by Wang Architects Inc.

The dominant road traffic sources in the subject study area are Westney Road South to the south and Finley Avenue to the east. The site is located approximately 2.5km south of rail-lines supporting VIA-Rail, GO-Transit and CN Rail services.

This site is not affected by rail, air traffic or sources of vibration.

2 Guidelines and Criteria

2.1 Stationary Noise Sources

The guidelines of the MECP for planned stationary sources adjacent to noise sensitive points of reception were used to address the potential impact of noise associated with the proposed development onto the nearby residential developments. These guidelines are summarized in the MECP document NPC 300 "Environmental Noise Guideline – Stationary and Transportation Sources – Approval and Planning", dated August 2013.

The noise level limits pertaining to stationary noise sources measured at noise sensitive points of reception have been established based on the MECP Publication NPC-300. The MECP defines a Class 1 area as an area with an acoustical environment where the background noise is dominated by manmade noises and the activity of people. Due to existing road traffic associated with nearby commercial uses, all residential receptors in this study are Class 1. In this case, road traffic noise from Westney Road South and Finley Avenue are the primary determinant of the background sound level for the area. The sound level limit at a point of reception is set as the higher of either the applicable exclusion limit, or the minimum background sound level.

The MECP stationary source exclusion limits are summarized in Table 1 below.

Table 1: Noise Exclusion Limits Due to Stationary Sources – Class 1

Time of Day	Sound Level Exclusion Limit Plane of Window	Sound Level Exclusion Limit Outdoors
Day (07:00 to 23:00)	50 dBA	50 dBA
Night (23:00 to 07:00)	45 dBA	-

For impulsive noise from a stationary source, the sound level limit at a point of reception, expressed in terms of the Logarithmic Mean Impulse Sound Level (L_{LM}), is the higher of the applicable exclusion limit value given in Table 2, or the background sound level for that point of reception.

Table 2: Impulsive Sound Exclusion Limits – Class 1

Impulses Per Hour	Time of Day	Exclusion Limit Plane of Window	Exclusion Limit Outdoor Point of Reception
1	Daytime (07:00 to 23:00)	80 dBAI L_{LM}	80 dBAI L_{LM}
	Nighttime (23:00 to 07:00)	75 dBAI L_{LM}	- -
2	Daytime (07:00 to 23:00)	75 dBAI L_{LM}	75 dBAI L_{LM}
	Nighttime (23:00 to 07:00)	70 dBAI L_{LM}	- -
3	Daytime (07:00 to 23:00)	70 dBAI L_{LM}	70 dBAI L_{LM}
	Nighttime (23:00 to 07:00)	65 dBAI L_{LM}	- -
4	Daytime (07:00 to 23:00)	65 dBAI L_{LM}	65 dBAI L_{LM}
	Nighttime (23:00 to 07:00)	60 dBAI L_{LM}	- -
5-6	Daytime (07:00 to 23:00)	60 dBAI L_{LM}	60 dBAI L_{LM}
	Nighttime (23:00 to 07:00)	55 dBAI L_{LM}	- -
7-8	Daytime (07:00 to 23:00)	55 dBAI L_{LM}	55 dBAI L_{LM}
	Nighttime (23:00 to 07:00)	50 dBAI L_{LM}	- -
9+	Daytime (07:00 to 23:00)	50 dBAI L_{LM}	50 dBAI L_{LM}
	Nighttime (23:00 to 07:00)	45 dBAI L_{LM}	- -

Given the total number of lanes to be featured in the shooting range, it is Aercoustics' opinion that more than nine impulses per hour attributed to firearm discharging will occur at the proposed development during a worst-case hour, setting the appropriate sound limit for nearby receptors to 50 dBAI L_{LM} during the daytime, or the background sound level for the point of reception.

2.1.1 Non-Sensitive Land Uses

The site is adjacent to several commercial and industrial land uses that are not considered noise sensitive per Ministry guidelines, specifically commercial plazas to north, east and west.

The Town of Ajax has requested these facilities be considered in the assessment of firearm noise impact. As a result, predictions of noise levels due to firearm discharges are provided in this study at the worst-case façade locations of these facilities.

Note that in addition to these land uses being considered non-noise sensitive, most of these windows with direct exposure to the proposed facility are inoperable and therefore would not constitute a Point of Reception even if the land use was noise-sensitive. Regardless, this study has assessed the impact of the firearm noise on the commercial land uses at the request of the city.

3 Noise Prediction Methodology

3.1 Road Noise Calculation Procedure

The dominant road traffic sources in the subject study area are Westney Road South and Finley Avenue. Road traffic from all other roads is acoustically insignificant. The residential areas to the south of the proposed development are MECP Class 1 areas due to existing road traffic.

Road traffic noise calculations were performed using the U.S. Department of Transportation's Traffic Noise Model Version (TNM) Version 2.5; within Datakustik's CadnaA Noise Prediction Software. The worst-case noise sensitive receptors were assessed. Calculations were performed for both daytime and nighttime conditions. Equivalent minimum background sound levels (L_{eq}) were calculated by determining the lowest hourly L_{eq} based on the traffic information presented in Table 3 and traffic distributions provided by the Institute of Traffic Engineers (ITE). Predicted minimum background sound levels are presented in Section 4.1 and traffic distributions are presented in Appendix B.

Where the minimum background noise level due to road traffic noise is higher than the MECP exclusion limit, the background level is used as the stationary source limit, in accordance with NPC-300.

3.2 Road Traffic Data

Predictions of road traffic noise were based on the road traffic data outlined in Table 3 below. Road traffic volumes and car/truck ratios for Westney Road South and Finley Avenue were calculated from turning movement count data obtained from the Region of Durham. Traffic from other roads adjacent to the proposed development has been assumed to be acoustically insignificant.

Copies of road traffic data are included in Appendix B.

Table 3: Daily Road Traffic Volumes

Data	Westney Road South	Finley Avenue
AADT	6680	3490
Minimum Hourly Vehicle Count* (% of AADT)	234 (3.5%)	122 (3.5%)
Day/Night Split (%)	90 / 10	90 / 10
Cars/Trucks (%)	98.8 / 1.2	98.3 / 1.7
Medium/Heavy Trucks (%)	0.6 / 0.6	0.8 / 0.8

Data	Westney Road South	Finley Avenue
Posted Speed (km/h)	50	50

*determined via traffic distributions provided by the Institute of Traffic Engineers (ITE), as presented in Appendix B

3.3 Stationary Noise Source Analysis

The noise prediction model was generated using Datakustik's CadnaA Noise Prediction Software. This model is based on established noise prediction methods outlined in the ISO 9613-2 standard entitled "Acoustics – Attenuation of sound during propagation outdoors – Part 2: General method and calculation". Noise levels were predicted using conditions of downwind propagation and generally with hard ground.

3.3.1 Proposed On-Site Steady Stationary Noise Sources

The current drawing set does not include detailed mechanical layouts. For the purposes of modelling, it is assumed that the proposed development will feature six (6) 5-ton rooftop units. A duty cycle of 100% during the daytime and 75% during the nighttime is assumed for each rooftop unit.

Delivery truck movements to the loading bay of the development were also modelled. It was confirmed by the owner that the development will likely receive one (1) truck delivery in a worst-case hour. One idling truck at the loading bay was also modelled, idling for a worst-case of two minutes in accordance with the Town of Ajax's *By-Law Number 25-2023 Public Nuisance and Safety By-law*. It was also confirmed by the owner that no nighttime truck operations are to occur at the development.

3.3.2 Proposed On-Site Impulse Noise Sources

From discussions with the owner, it is understood that a variety of firearms are planned to be used within the shooting range, as summarized below:

- Handguns of the following calibres:
  - 9mm,
  - .38 special,
  - .45 acp,
  - .50 AE
- Shotguns of the following gauges:
  - 20GA,
  - 12GA
- Rifles of the following calibres:
  - .22 LR,
  - .223,
  - 5.56,
  - .308

From Aercoustics' previous experience and noise measurements with these firearms and similar firearms, the .308 Rifle has been selected as the worst-case loudest firearm noise source. The sound power level for this firearm is listed in Appendix C. It was assumed that more than nine (9) rifle discharges would occur at the range in a worst-case hour.

It is expected that firearm noise from within the proposed development will be audible as impulsive noise exterior to the facility. Due to the inherently high impulse sound levels generated by firearms, consideration must be given to the façades and roof of the second-storey shooting range, as they will effectively act as radiating sources of this noise. These façades are therefore treated as sources of impulse noise. It is understood that the proposed development is planned to feature metal decking with a concrete topping and concrete walls, per the current architectural plans. Mitigation strategies are further discussed in Section 5.2. Sound data used to model these partitions as radiating sources of impulse noise are presented in Appendix C.

In Aercoustics' experience, it was found that openings in the building envelope, including through HVAC systems, in firearms ranges are particularly effective in transmitting firearm noise from within the range outwards. As a result, the openings servicing HVAC systems outlined in Section 3.3.1 for the shooting range are treated as sources of impulse noise.

It was also confirmed by the owner that the facility will not operate during nighttime hours (23:00-07:00).

4 Noise Predictions

4.1 Road Noise: Minimum Background Levels

Minimum background sound levels due to road traffic at the identified worst-case receptors were determined by using minimum hourly vehicle count data for Westney Road South and Finley Avenue. Table 4 below presents the predicted sound levels.

Table 4: Predicted Minimum Background Noise Levels Due to Road Traffic

Receptor Location (Figure 2)	Receptor Height (m)	Description	Time of Day	Calculated L_{eq} (dBA)
R1	4.5	801 Finley Avenue West Façade	Day	53
			Night	41
R1_g	1.5	801 Finley Avenue Backyard OLA	Day	55
R2	4.5	800 Finley Avenue West Façade	Day	53
			Night	40
R2_g	1.5	800 Finley Avenue Backyard OLA	Day	53

Receptor Location (Figure 2)	Receptor Height (m)	Description	Time of Day	Calculated L_{eq} (dBA)
R3_g	1.5	15 Pridham Court Backyard OLA	Day	53

The predicted sound levels noted in the above table indicate that daytime minimum background sound levels due to road traffic are higher than the MECP exclusion limits for stationary and impulse noise sources. As a result, daytime minimum background sound levels are used as stationary and impulse source limits in the following sections.

It should be noted that the receptors identified in Table 4 are located at residential houses that do no feature windows on their north façades (which face the proposed development). As a result, these north facades specifically are not considered points receptions.

4.2 On-Site: Steady Stationary Noise Sources

Table 5 below lists the daytime and nighttime sound levels due to proposed stationary sources associated with the proposed development at the identified worst-case receptor locations.

Table 5: Predicted Unmitigated Noise Levels Due to Proposed On-Site Steady Stationary Sources

Receptor Location (Figures 2 and 3)	Receptor Height (m)	Description	Calculated L_{eq} (dBA)		L_{eq} Limit (dBA)		Compliance
			Day	Night	Day*	Night	
R1	4.5	801 Finley Avenue West Façade	36	35	53	45	Yes
R1_g	1.5	801 Finley Avenue Backyard OLA	36	-	55	45	Yes
R2	4.5	800 Finley Avenue West Façade	40	38	53	45	Yes
R2_g	1.5	800 Finley Avenue Backyard OLA	39	-	53	45	Yes
R3_g	1.5	15 Pridham Court Backyard OLA	40	-	53	45	Yes

*indicates that minimum background sound level due to road traffic is higher than MECP exclusion limit

4.3 On-Site: Impulse Noise Sources

Table 6 below lists the daytime sound levels due to on-site impulse noise sources near the proposed development at worst-case receptors. Since at least nine impulses per hour were modelled, the daytime noise exclusion limit for outdoor points of reception and planes-of-windows is 50 dBAI, as described in Table 2. This limit is lower than the minimum ambient background sound levels presented in Table 4. Per NPC-300 guidelines, these background levels are therefore used as the applicable limits. Residential receptors are denoted as Rxx whereas commercial receptors are denoted as COMx, as illustrated in Figure 4.

Table 6: Predicted Unmitigated Noise Levels Due to Off-Site Impulse Stationary Sources

Receptor Location (Figure 4)	Receptor Height (m)	Description	Calculated L_{Lm} (dBAI)		L_{Lm} Limit (dBAI)		Compliance?
			Day	Night	Day	Night	
R1	4.5	801 Finley Avenue West Façade	67	-	53	-	**No**
R1_g	1.5	801 Finley Avenue Backyard OLA	66	-	55	-	**No**
R2	4.5	800 Finley Avenue West Façade	69	-	53	-	**No**
R2_g	1.5	800 Finley Avenue Backyard OLA	68	-	53	-	**No**
R3_g	1.5	15 Pridham Court Backyard OLA	68	-	53	-	**No**
COM1	4.5	700 Finley Avenue South Façade	75	-	-	-	-
COM2	1.5	765 Westney Road South West Façade	69	-	-	-	-
COM3	1.5	695 Westney Road South West Façade	70	-	-	-	-

5 Noise Mitigation Requirements

5.1 On-Site: Steady Stationary Noise Sources

From modelling of the assumed steady stationary rooftop sources for the proposed development and their potential impact on the surrounding areas, no noise mitigation is expected to be required. However, the design team and developer should engage a qualified Acoustic Engineer in the design of the facility to ensure the proposed noise controls are integrated into the design.

5.2 On-Site: Impulse Stationary Noise Sources

Based on the modelling detailed above, mitigation strategies have been discussed and reviewed to prevent impulse noise from the discharging of firearms from generating above-compliance noise levels at nearby points of reception.

5.2.1 HVAC Systems

Firearm impulse noise travelling through HVAC systems servicing the ranges is expected to be a dominant source of impulse noise. Based on the noise impact predictions, a total attenuation of 15-20 dB is required through open HVAC ductwork paths to the exterior of the building.

At this time, detailed HVAC layouts were not available for review, however a representative design based on the systems installed at similar facilities has been provided for Aercoustics' review by the supplier engaged to develop the HVAC system. Based on this information, Aercoustics has evaluated the potential noise emissions and level of noise attenuation attainable. It is expected that the noted attenuation of 15-20 dB will be achieved primarily through the use of silencers in duct paths between the ranges and rooftop HVAC equipment. It is anticipated that a minimum 3 m silencer will be required and should be positioned at each opening in the roof where the HVAC penetrates. Supplementary attenuation will be achieved with acoustic lining as required.

It is also expected that acoustic barriers around rooftop HVAC equipment that break line of sight to the nearest receptors will be required. The height of these barriers should be approximately 0.5 m higher than the rooftop equipment. These mitigation measures have been reviewed with the design team and determined to be practically and economically feasible to incorporate into the design of the facility.

5.2.2 Building Envelope Components

While firearm noise travelling through HVAC systems was predicted to be the dominant noise source from the above analysis, due to the inherently high impulse sound levels generated by firearms, consideration must be given to all elements of the building envelope, in particular the façades and roof of the second-storey shooting range, as they

will be directly exposed to the outdoor environment. The following sections provide a review of these architectural elements noted for use based on current architectural plans.

Roof/Ceiling Structure

From the architectural plans provided, the following assembly is proposed for the second-storey clayhouse shotgun range roof:

- Metal deck roof with concrete topping (assembly RF-1):
    - TPO waterproof membrane
    - Protection board
    - Tapered rigid insulation
    - 50mm concrete topping
    - Metal deck
    - Structural steel
    - Air cavity filled with glass fibre insulation
    - Suspended drywall ceiling (2 layer of 16mm gypsum board)

This assembly has been reviewed by Aercoustics and determined to be sufficient to mitigate noise transmission through the roof of the second-level range. It should be noted however that the suspended drywall assembly must hang below the structural steel elements and span the full extent of the range.

Range Façades

The architectural plans note that the following concrete wall assembly is to be used for range walls:

Concrete range wall (assembly W6):

- 75mm precast concrete panel
- 100mm polyiso rigid insulation
- 150mm precast concrete panel

This assembly has been reviewed by Aercoustics and determined to be sufficient to mitigate firearm noise to the outdoor environment.

Perimeter Doors

Vestibules are an effective means of mitigating sound transmission, as they can create a sound lock between the spaces in which they serve.

The north section of the ground-level range (containing bays 6-15) is adjacent to a corridor, which features a glass access door, viewing windows to the range, as well as an exterior exit door (Exit #9). Given the presence of the glass door and windows, it is expected that a large amount of firearm noise will intrude into this corridor. To minimize the amount of firearm noise that will escape from this corridor to the exterior via the exit door, a wall containing a door that spans between the P4 concrete block walls of the range corridor was recommended, in order to create a vestibule between the range corridor and exterior. This recommendation has been incorporated into the current architectural plans.

The second-level clayhouse shotgun range is serviced by a stairwell that leads to an exterior exit (Exit #10). Given that this stairwell is comprised of P4 concrete block walls with an interior door, this stairwell will form an effective vestibule.

The detailing of vestibules is critical to their functionality. The following recommendations should be implemented into the design of the vestibules spaces noted above:

- Vestibules should incorporate acoustically absorptive material to minimize the buildup of sound. At minimum, the following locations within vestibules should be treated:
    - Ceiling: Include a ceiling finish of minimum NRC 0.8 performance with 100% ceiling area coverage. This has been incorporated into the architectural drawings under the CL-3 ceiling tag.
    - Walls: Treatment on two walls within the vestibule with minimum NRC 0.8 performance. This has been incorporated into the architectural drawings under the P14 wall tag.
- Solid wood core or metal-insulated doors should be installed at the entrances and exits of vestibules. These doors should have fully adjustable acoustic door seals (KN Crowder W-48 or approved equivalent) and feature automatic drop seals along the bottom (KN Crowder CT-52 or approved equivalent).

5.2.3 Effects of Mitigation on Adjacent Commercial Facilities

With the proposed mitigation outlined in Sections 5.2.1 and 5.2.2, a reduction in sound levels by 15-20 dB is expected and would result in a worst-case sound level of approximately 55-60 dBA at the closest commercial facility façade. It is Aercoustics' opinion that this is a reasonable outdoor façade sound level and would not require further mitigation beyond what is described herein.

6 Conclusions

Firearms Outlet Canada, through the Biglieri Group, has retained the services of Aercoustics Engineering Limited to prepare a Preliminary Noise and Vibration Impact

Study for the proposed development at 725 Westney Road South in Ajax, Ontario, for the purposes assessing the feasibility of the development in support of a Site Plan Approval application.

Through Aercoustics' predictions and analysis, it is expected that firearm noise travelling through building HVAC systems servicing the indoor ranges will be a dominant source of noise affecting compliance at nearby residential receptors. From these predictions, mitigation that is capable of achieving an effective attenuation of 15-20 dB would be required. Through Aercoustics' review of the representative HVAC design provided, it is expected that the noted attenuation will be achieved primarily through the use of silencers in duct paths between the ranges and rooftop HVAC equipment. Acoustic barriers around rooftop HVAC equipment that break line of sight to the nearest receptors are also expected to be required.

Further, due to the inherently high impulse sound levels generated by firearms, consideration has been given to all elements of the building envelope of the indoor ranges. Aercoustics has reviewed the proposed roof assemblies, wall assemblies and exterior door layouts in the current architectural plans and found these to be sufficient for minimizing the amount of firearm noise radiating from these elements.

As noted prior, the mitigation measures presented in Section 5 have been reviewed by Aercoustics and with the design team, and have been determined to be practically and economically feasible to implement. However, the detailing of these mitigation measures is key to their functionality, therefore it should be ensured that a qualified Acoustic Engineer is retained throughout detailed design to help integrate the design recommendations.

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Project ID: 23245.00	**Project Name**
Scale: NTS Drawn by: NZ Reviewed by: ES Date: Nov 4, 2024 Revision: 1	725 Westney Road South
	Figure Title Key plan showing site, adjacent roads and buildings

Figure 1

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Project ID: 23245.00

Scale: NTS
Drawn by: NZ
Reviewed by: ES
Date: Nov 29, 2023
Revision: 1

Project Name

725 Westney Road South

Figure Title

Minimum ambient background sound levels due to road traffic at worst-case receptors

Figure 2

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Project ID: 23245.00

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Drawn by: NZ
Reviewed by: ES
Date: Nov 29, 2023
Revision: 1

Project Name

725 Westney Road South

Figure Title

On-site steady stationary sources and worst-case receptors for noise impact

Figure 3

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Drawn by: NZ
Reviewed by: ES
Date: Nov 4, 2024
Revision: 1

Project Name

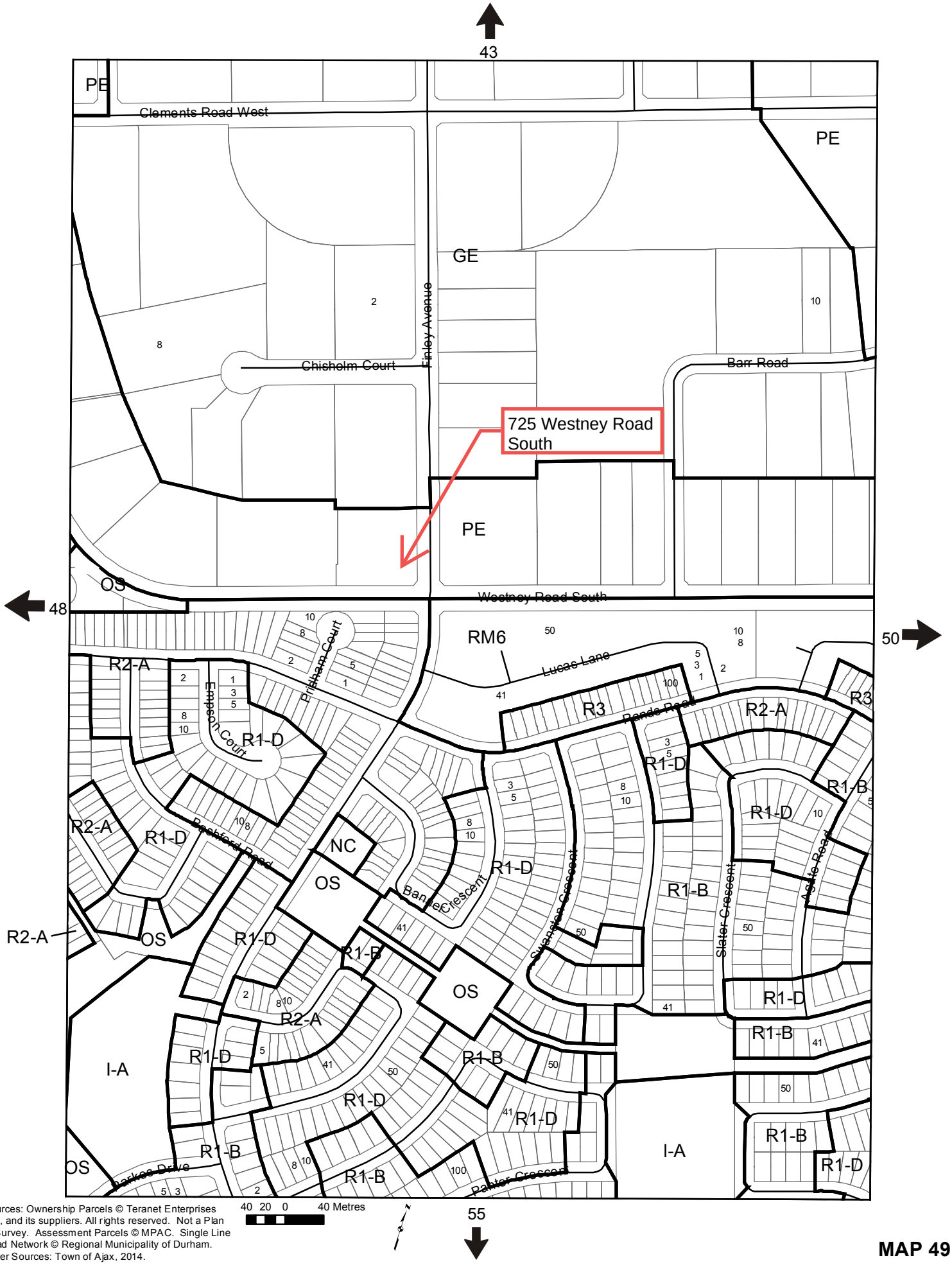
725 Westney Road South

Figure Title

On-site impulse stationary sources and worst-case receptors for noise impact

Figure 4

Appendix A
Zoning Map and Architectural Plans



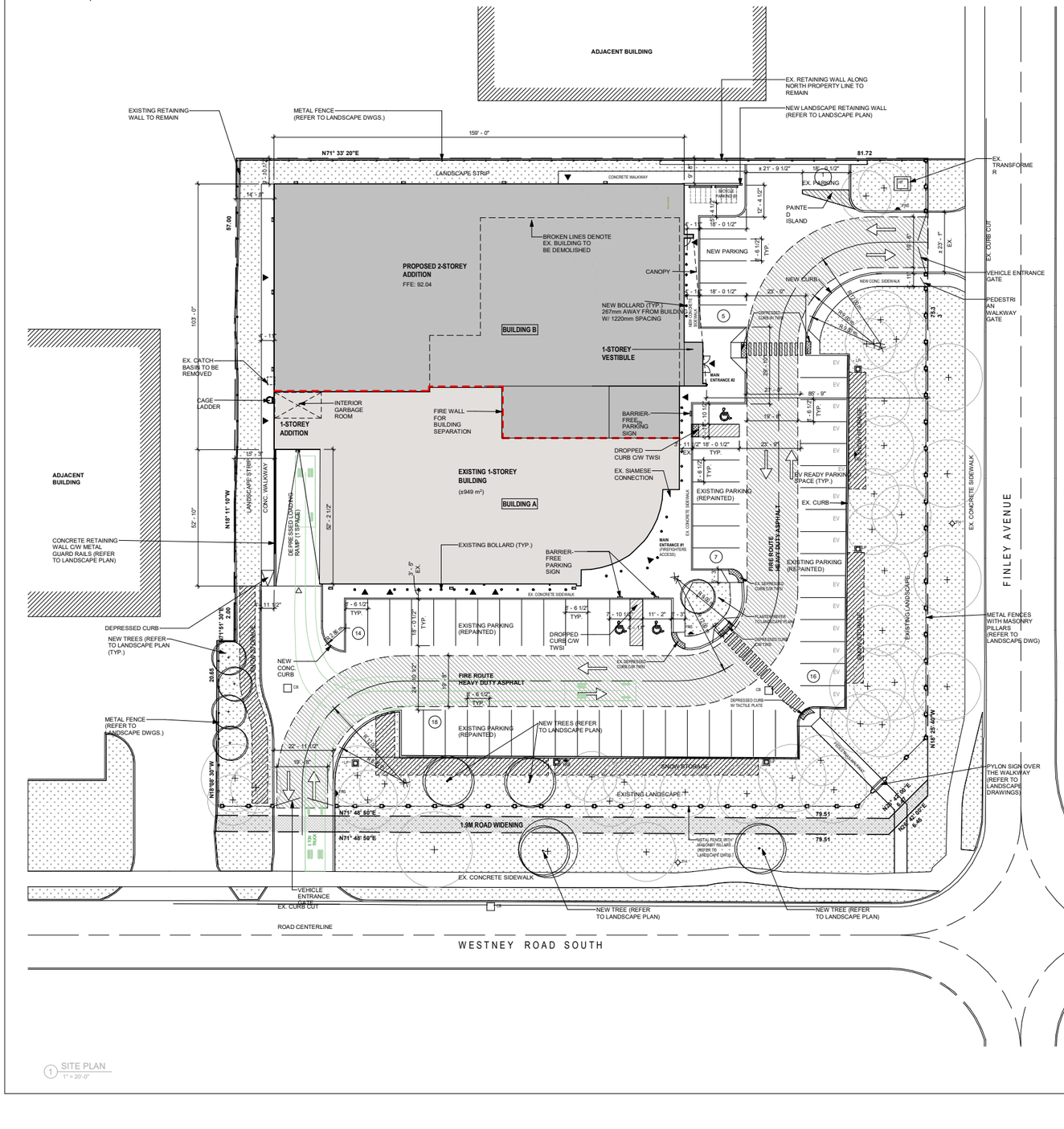
Sources: Ownership Parcels © Teranet Enterprises Inc., and its suppliers. All rights reserved. Not a Plan of Survey. Assessment Parcels © MPAC. Single Line Road Network © Regional Municipality of Durham. Other Sources: Town of Ajax, 2014.

March 31, 2014

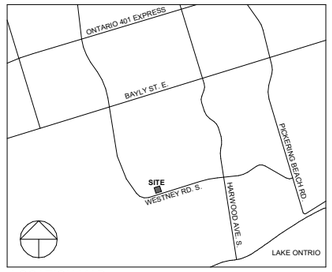
MAP 49

FIREARMS OUTLET CANADA
INTERIOR RENOVATION & ADDITION

725 WESTNEY ROAD SOUTH
AJAX, ONTARIO L1S 7J7



1 SITE PLAN
1" = 20'-0"



LOCATION MAP

SITE STATISTICS		
LOT AREA: ±6,563.15 m²		
DEVELOPABLE (NET) LOT AREA: 6,324.71 m²		
ZONING CATEGORY: PE		
SETBACKS	FRONT YARD:	±26.1m
	EXTERIOR SIDE YARD:	27.1m
	INTERIOR SIDE YARD:	4.5m
	REAR YARD:	3.0m
BUILDING AREA	EXISTING: ±854 m² (9191 SF)	
	ADDITION: 1,314 m² (14,144 SF)	
	TOTAL: 2,168 m² (23,335 SF)	
GFA	EXISTING: ±854 m² (9191 SF)	
	ADDITION GROUND FLOOR: 1,314 m² (14,144 SF)	
	SECOND FLOOR: 1,207 m² (13,001 SF)	
	TOTAL: 2,521 m² (27,145 SF)	
	TOTAL: 3,375 m² (36,336 SF)	
LOT COVERAGE	33.9%	
FSI	0.53	
BUILDING HEIGHT	46 FT	
GFA BREAKDOWN	RETAIL: 271 m² (8% OF GFA)	
	OFFICES: 84.2 m²	
	CLASSROOMS: 96 m²	
	WASHROOMS: 67 m²	
	VESTIBULES: 20 m²	
	SECURITY ROOM: 17 m²	
	STAFF/LUNCH ROOM: 8 m²	
	LOBBY: 60 m²	
	RESTAURANT: 245 m²	
	LOADING: 24 m²	
	WAREHOUSE: 311 m²	
	SHOOTING RANGES: TRADITIONAL RANGE: 625 m² (BOOTHS:56 m²)(15 LANES) CLAYHOUSE SHOTGUN RANGE: 1,059 m² (BOOTHS: 89 m²)(8 LANES) **TOTAL: 1,684 m² (BOOTHS: 145 m²)(23 LANES)**	
	OTHER SPACES: 448 m² (CORRIDOR/MECH ROOM/ELEC ROOM/ STORAGE/ JANITOR/STAIRS/ LOBBY)	
PARKING	REQUIRED	RETAIL: 10 SPACES (1 PER 28m²)
		CLASSROOMS: 5 SPACES (1 PER 20m²)
		WAREHOUSE: 1 SPACE (1 PER 500m²)
		RESTAURANT: 25 SPACES (1 PER 10m²)
		SHOOTING RANGES: 21 SPACES (0.92 PER LANE)
		TOTAL: 61 SPACES
	PROVIDED	61 SPACES (INCLUDING 3 BARRIER-FREE PARKING SPACES) (INCLUDING 16 EV READY PARKING SPACES)
BICYCLE PARKING	PROVIDED	8 SPACES (SHORT TERM)
SNOW STORAGE	PROVIDED	206 m²
PAVED AREA	2,126 m²	
LANDSCAPED AREA	2,078 m² (31% LOT AREA)	
SOFT LANDSCAPE	1,415 m² (71.5% LANDSCAPED AREA)	

SHEET LIST

LEGEND

- PROPERTY LINE
- MEN DOOR (ENTRANCES & EXITS)
- TRUCK ENTRANCES
- HYDRO TRANSFORMER
- FIRE HYDRANT
- CATCH BASIN
- FIRE DEPARTMENT CONNECTION FIRE ROUT SIGN
- INDICATE NUMBER OF PARKING SPACES
- ACCESSIBLE PARKING SPACES
- LIGHT POLE (REFER TO ELEC. PLAN)
- FIRE WALL SEPERATION
- ELECTRIC VEHICLE

No.	Date:	Issued/Revision:	By
15	03/19/2025	ISSUED FOR SPA	HW
14	09/17/2024	ISSUED FOR REVIEW	HW
13	06/21/2024	ISSUED FOR PRE-CON PHASE II	HW
12	06/12/2024	ISSUED FOR COORDINATION	HW
11	06/05/2024	ISSUED FOR COORDINATION	HW
10	05/29/2024	ISSUED FOR COORDINATION	HW
9	05/03/2024	ISSUED FOR COORDINATION	HW
8	04/09/2024	ISSUED FOR COORDINATION	HW
7	12/19/2023	ISSUED FOR REVIEW	HW
6	12/18/2023	ISSUED FOR COORDINATION	HW
5	12/08/2023	ISSUED FOR REVIEW	HW
4	11/21/2023	ISSUED FOR REVIEW	HW
3	11/06/2023	ISSUED FOR REVIEW	HW
2	07/18/2023	ISSUED FOR REVIEW	HW
1	07/17/2023	ISSUED FOR REVIEW	HW

Client:

FIREARMS OUTLET CANADA

WANG ARCHITECTS INC.
3950 14th Ave, Unit 609
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Project :

FIREARMS OUTLET CANADA

725 WESTNEY RD. S.,
AJAX, ON L1S 7J7

Drawing Name :

SITE PLAN

Scale :	As indicated	Project No :	00026
Drawn by :	ZC	Drawing No :	A1.1
Checked by :	HW		

C:\Users\HenryWang\Documents\725 Westney Rd S- Working drawings_HenryWang.rvt

NAME OF PRACTICE: WANG ARCHITECTS INC.
NAME OF PROJECT: FIREARMS OUTLET CANADA
PROJECT LOCATION: 725 WESTNEY ROAD SOUTH
AJAX, ONTARIO L1S 7J7

ONTARIO BUILDING CODE DATA MATRIX
PART 3 (BUILDING "A" EXISTING)

			BUILDING CODE REFERENCE
3.01	PROJECT TYPE:	☐ NEW CONSTRUCTION ☐ ADDITION ☐ RENOVATION ☐ CHANGE OF USE ☒ ADDITION AND RENOVATION	[A] 1.1.2.2.
3.02	MAJOR OCCUPANCY CLASSIFICATION:	OCCUPANCY: GROUP F, DIVISION 1 HIGH HAZARDOUS INDUSTRIAL OCCUPANCY GROUP E, MERCANTILE OCCUPANCIES USE: WAREHOUSE & RETAIL	3.1.2.
3.03	SUPERIMPOSED MAJOR OCCUPANCIES:	☒ NO ☐ YES	3.2.2.7.
3.04	BUILDING AREA (M²)	DESCRIPTION: EXISTING ± 811.4 M² NEW 39.6 M² TOTAL 851 M²	[A] 1.4.1.2.
3.05	GROSS AREA (M²)	EXISTING NEW TOTAL GROUND FLOOR ± 811.4 M² 39.6 M² 851 M²	[A] 1.4.1.2.
3.07	BUILDING HEIGHT	1 STOREYS ABOVE GRADE 6.48m ABOVE GRADE	[A] 1.4.1.2. & 3.2.1.1.
3.08	HIGH BUILDING	☒ NO ☐ YES	3.2.6.
3.09	NUMBER OF STREETS/ FIREFIGHTER ACCESS	2 STREETS	3.2.2.10. & 3.2.5.
3.10	BUILDING CLASSIFICATION	3.2.2.74 GROUP F, DIVISION 1, UP TO 2 STOREYS, SPRINKLERED	3.2.2.20 - 83.
3.11	SPRINKLER SYSTEM	☒ REQUIRED ☐ NOT REQUIRED PROVIDED ☒ ENTIRE BUILDING ☐ SELECTED COMPARTMENTS ☐ SELECTED FLOOR AREA ☐ BASEMENT ☐ IN LIEU OF ROOF RATING ☐ NONE	3.2.1.5. & 3.2.2.17., 3.2.2.18., 3.2.4.8. TO 3.2.4.10., AND 3.2.5.13
3.12	STANDPIPE SYSTEM	☐ REQUIRED ☒ NOT REQUIRED	3.2.9.
3.13	FIRE ALARM SYSTEM	☒ REQUIRED ☐ NOT REQUIRED TYPE PROVIDED: ☐ SINGLE STAGE ☐ TWO STAGE ☐ NONE	3.2.4.
3.14	WATER SERVICE / SUPPLY IS ADEQUATE	☐ NO ☒ YES	3.2.5.7.
3.15	CONSTRUCTION TYPE:	RESTRICTION: ☒ COMBUSTIBLE PERMITTED ☐ NON-COMBUSTIBLE REQUIRED ☐ ENCAPSULATED MASS TIMBER ACTUAL: ☐ COMBUSTIBLE ☒ NON-COMBUSTIBLE ☐ COMBINATION OF COMBUSTIBLE AND NON-COMBUSTIBLE ☐ ENCAPSULATED MASS TIMBER ☐ COMBINATION OF ENCAPSULATED MASS TIMBER AND NON-COMBUSTIBLE HEAVY TIMBER CONSTRUCTION: ☒ NO ☐ YES	3.2.2.20.-83. & 3.2.1.4.
3.16	IMPORTANCE CATEGORY:	☐ LOW ☐ LOW HUMAN OCCUPANCY ☐ POST-DISASTRE SHELTER ☒ NORMAL ☐ HIGH ☐ MINOR STORAGE BUILDING ☐ EXPLOSIVE OR HAZARDOUS SUBSTANCES ☐ POST-DISASTER	4.1.2.1.(3) & T4.1.2.1.B
3.18	OCCUPANT LOAD (ADDITION ONLY)	FLOOR LEVEL/AREA: RETAIL AND WHARE HOUSE E & F1 OCCUPANCY TYPE: DESIGN LOAD BASED ON: 46 OCCUPANT LOAD (PERSONS): TOTAL: 48	3.1.17 AND 3.1.17.1.(2)
3.19	BARRIER-FREE DESIGN: BARRIER-FREE ENTRANCES:	☐ NO ☒ YES NUMBER: 1	3.8. 3.1.8.2.
3.20	HAZARDOUS SUBSTANCES:	☐ NO ☒ YES	3.3.1.2. & 3.3.1.19.
3.21	REQUIRED FIRE RESISTANCE RATINGS	HORIZONTAL ASSEMBLY / RATING (H) / SUPPORTING ASSEMBLY (H) / NONCOMBUSTIBLE IN LIEU OF RATING? STOREYS BELOW GRADE N/A N/A ☐ NO ☐ YES ☒ N/A FLOORS OVER BASEMENT N/A N/A ☐ NO ☐ YES ☒ N/A FLOORS N/A N/A ☐ NO ☐ YES ☒ N/A MEZZANINE N/A N/A ☐ NO ☐ YES ☒ N/A ROOF - - ☒ NO ☐ YES ☐ N/A	3.2.2.20.-83., 3.2.1.2., 3.2.1.4., 3.2.2.15.
3.22a	SPATIAL SEPARATION	EXPOSING BUILDING FACE / EBF AREA (M²) / L.D. (M) / L/H / REQUIRED FRR (H) / % UNPROTECTED OPENINGS PERMITTED / % UNPROTECTED OPENINGS PROVIDED NORTH - - - - - - EAST - - - - - - SOUTH - - - - - - WEST 166 10.19 3.7:1 1 60 1.8	3.2.3.
3.23a	PLUMBING FIXTURE REQUIREMENTS:	RATIO: MALE:FEMALE = 50:50 EXCEPT AS NOTED OTHERWISE WATER CLOSETS REQUIRED: (EXISTING) WHARE HOUSE & RETAIL : 2 FIXTURE FOR MALES, 2 FIXTURE FOR FEMALES TOTAL: : 2 FIXTURES FOR MALES, 2 FIXTURES FOR FEMALES, WATER CLOSETS PROVIDED: 1 FIXTURES FOR MALES, 1 FIXTURES FOR FEMALES (SHARE WITH THE PROPOSED EXTENTSION PLUMBING FIXTURE) 1 UNIVERSAL WASHROOM	3.7.4., 3.8.2.3.

NAME OF PRACTICE: WANG ARCHITECTS INC.
NAME OF PROJECT: FIREARMS OUTLET CANADA
PROJECT LOCATION: 725 WESTNEY ROAD SOUTH
AJAX, ONTARIO L1S 7J7

ONTARIO BUILDING CODE DATA MATRIX
PART 3 (BUILDING "B" NEW)

			BUILDING CODE REFERENCE
3.01	PROJECT TYPE:	☐ NEW CONSTRUCTION ☐ ADDITION ☐ RENOVATION ☐ CHANGE OF USE ☒ ADDITION AND RENOVATION	[A] 1.1.2.2.
3.02	MAJOR OCCUPANCY CLASSIFICATION:	OCCUPANCY: GROUP A, DIVISION 2 ASSEMBLY OCCUPANCY USE: SHOOTING RANGE & RESTAURANT	3.1.2.
3.03	SUPERIMPOSED MAJOR OCCUPANCIES:	☒ NO ☐ YES	3.2.2.7.
3.04	BUILDING AREA (M²)	DESCRIPTION: EXISTING - NEW 1,284 M² TOTAL 1,284 M²	[A] 1.4.1.2.
3.05	GROSS AREA (M²)	EXISTING NEW TOTAL GROUND FLOOR - 1,284 M² 1,284 M² SECOND FLOOR - 1,187 M² 1,187 M² TOTAL - 2,471 M² 2,471 M²	[A] 1.4.1.2.
3.07	BUILDING HEIGHT	2 STOREYS ABOVE GRADE 14.06m ABOVE GRADE 0 STOREY BELOW GRADE	[A] 1.4.1.2. & 3.2.1.1.
3.08	HIGH BUILDING	☒ NO ☐ YES	3.2.6.
3.09	NUMBER OF STREETS/ FIREFIGHTER ACCESS	2 STREETS	3.2.2.10. & 3.2.5.
3.10	BUILDING CLASSIFICATION	3.2.2.26 GROUP A, DIVISION 2, UP TO 2 STOREYS, INCREASED AREA, SPRINKLERED	3.2.2.20 - 83.
3.11	SPRINKLER SYSTEM	☒ REQUIRED ☐ NOT REQUIRED PROVIDED ☒ ENTIRE BUILDING ☐ SELECTED COMPARTMENTS ☐ SELECTED FLOOR AREA ☐ BASEMENT ☐ IN LIEU OF ROOF RATING ☐ NONE	3.2.1.5. & 3.2.2.17., 3.2.2.18., 3.2.4.8. TO 3.2.4.10., AND 3.2.5.13
3.12	STANDPIPE SYSTEM	☐ REQUIRED ☒ NOT REQUIRED	3.2.9.
3.13	FIRE ALARM SYSTEM	☒ REQUIRED ☐ NOT REQUIRED TYPE PROVIDED: ☐ SINGLE STAGE ☐ TWO STAGE ☐ NONE	3.2.4.
3.14	WATER SERVICE / SUPPLY IS ADEQUATE	☐ NO ☒ YES	3.2.5.7.
3.15	CONSTRUCTION TYPE:	RESTRICTION: ☒ COMBUSTIBLE PERMITTED ☐ NON-COMBUSTIBLE REQUIRED ☐ ENCAPSULATED MASS TIMBER ACTUAL: ☐ COMBUSTIBLE ☒ NON-COMBUSTIBLE ☐ COMBINATION OF COMBUSTIBLE AND NON-COMBUSTIBLE ☐ ENCAPSULATED MASS TIMBER ☐ COMBINATION OF ENCAPSULATED MASS TIMBER AND NON-COMBUSTIBLE HEAVY TIMBER CONSTRUCTION: ☒ NO ☐ YES	3.2.2.20.-83. & 3.2.1.4.
3.16	IMPORTANCE CATEGORY:	☐ LOW ☐ LOW HUMAN OCCUPANCY ☐ POST-DISASTRE SHELTER ☒ NORMAL ☐ HIGH ☐ MINOR STORAGE BUILDING ☐ EXPLOSIVE OR HAZARDOUS SUBSTANCES ☐ POST-DISASTER	4.1.2.1.(3) & T4.1.2.1.B
3.18	OCCUPANT LOAD (ADDITION ONLY)	FLOOR LEVEL/AREA: RESTAURANT & STAFF; SHOOTING RANGES, CLASSROOM & OFFICE OCCUPANCY TYPE: A2; A2 BASED ON: DESIGN LOAD; DESIGN LOAD OCCUPANT LOAD (PERSONS): 140 PATRONS, EMPLOYEE 5; 50 TOTAL: 195	3.1.17 AND 3.1.17.1.(2)
3.19	BARRIER-FREE DESIGN: BARRIER-FREE ENTRANCES:	☐ NO ☒ YES NUMBER: 2	3.8. 3.1.8.2.
3.20	HAZARDOUS SUBSTANCES:	☐ NO ☒ YES	3.3.1.2. & 3.3.1.19.
3.21	REQUIRED FIRE RESISTANCE RATINGS	HORIZONTAL ASSEMBLY / RATING (H) / SUPPORTING ASSEMBLY (H) / NONCOMBUSTIBLE IN LIEU OF RATING? STOREYS BELOW GRADE N/A N/A ☐ NO ☐ YES ☐ N/A FLOORS OVER BASEMENT N/A N/A ☐ NO ☐ YES ☐ N/A FLOORS N/A N/A ☐ NO ☐ YES ☐ N/A MEZZANINE N/A N/A ☐ NO ☐ YES ☐ N/A ROOF N/A N/A ☐ NO ☐ YES ☐ N/A	3.2.2.20.-83., 3.2.1.2., 3.2.1.4., 3.2.2.15.
3.22a	SPATIAL SEPARATION	EXPOSING BUILDING FACE / EBF AREA (M²) / L.D. (M) / L/H / REQUIRED FRR (H) / % UNPROTECTED OPENINGS PERMITTED / % UNPROTECTED OPENINGS PROVIDED NORTH 609 3.0 3.7:1 2 22 0.16 EAST N/A - - - - - SOUTH N/A - - - - - WEST 363 10.19 3.7:1 2 50 1.65	3.2.3.
3.23a	PLUMBING FIXTURE REQUIREMENTS:	RATIO: MALE:FEMALE = 50:50 EXCEPT AS NOTED OTHERWISE WATER CLOSETS REQUIRED: CLASSROOM, OFFICE AND SHOOTING RANGE: 1 FIXTURE FOR MALES, 1 FIXTURE FOR FEMALES RESTAURANT : 2 FIXTURES FOR MALES, 2 FIXTURES FOR FEMALES EMPLOYEE : 1 FIXTURE FOR BOTH FEMALES AND MALES TOTAL: 3 FIXTURES FOR MALES, 3 FIXTURES FOR FEMALES, 1 FIXTURE FOR RESTAURANT EMPLOYEES WATER CLOSETS PROVIDED: 3 FIXTURES FOR MALES, 3 FIXTURES FOR FEMALES, 1 UNIVERSAL WASHROOM 1 FIXTURE FOR RESTAURANT EMPLOYEES	3.7.4., 3.8.2.3.

ABBREVIATIONS

ACST.	ACOUSTIC	L.	LENGTH
A.F.F.	ABOVE FINISHED FLOOR	LAD.	LADDER
AL.	ALUMINUM	LAV.	LAVATORY
AP	ACCESS PANEL	LP	LOW POINT
AVG.	AVERAGE	LTG.	LIGHTING
&	AND		
@	AT SPACEING	M.	METER
		MACH.	MACHINE
BLDG.	BUILDING	MATL.	MATERIAL
BOT.	BOTTOM	MAX.	MAXIMUM
BM.	BEAM	MECH.	MECHANICAL
		MEMB.	MEMBRANE
CB	CATCH BASIN	MH	MAN HOLE
CH	CEILING HEIGHT	min.	MINUTES
CL.	CENTERLINE	MIN.	MINIMUM
CLG.	CEILING	MISC.	MISCELLANEOUS
CLKG.	CAULKING	MET.	METAL
CONC.	CONCRETE		
CONT.	CONTINUOUS	NO. OR #	NUMBER
CORR.	CORRIDOR		
CT	CERAMIC TILE	OBC	ONTARIO BUILDING CODE
		OC	ON CENTER
DET.	DETAIL	OH	OVERHEAD
DIA.	DIAMETER	OPNG.	OPENING
DIM.	DIMENSION	OPP.	OPPOSITE
DIST.	DISTANCE	O.T.B.	OPEN TO BELOW
DN	DOWN		
DWG.	DRAWING	/	PER
DS.	DOWN SPOUT	PDO	POWER DOOR OPERATOR
DEPT.	DEPARTMENT	PT	PAINT
		PWD	PLYWOOD
EL.	ELEVATION		
ELEC.	ELECTRICAL	QTY.	QUANTITY
ELEV.	ELEVATOR		
EMER.	EMERGENCY	R.	RADIUS
ENT.	ENTRANCE	RC	REINFORCED CONCRETE
EQ.	EQUAL	RD	ROOF DRAIN
EQUIP.	EQUIPMENT	RECP.	RECP
EX.	EXISTING	REF.	REFERENCE
EXH.	EXHAUST	RM	ROOM
EXT.	EXTERIOR	RO	ROUGH OPENING
EV	ELECTRIC VEHICAL		
		SEC.	SECOND
FD	FLOOR DRAIN	SPEC.	SPECIFICATION
FF	FINISHED FLOOR	SQ.	SQUARE
FFL	FINISHED FLOOR LEVEL	STL.	STEEL
FIN.	FINISH	STRUC.	STRUCTURAL
FIX.	FIXTURE	SYM.	SYMBOL
FL.	FLOOR		
FRR	FIRE-RESISTANCE RATING	THK.	THICKNESS
		TYP.	TYPICAL
GA.	GARAGE	TOC	TOP OF CONCRETE
GALV.	GALVANIZED	TOS	TOP OF STEEL
GEN.	GENERAL	TWSI	TACTILE WALKING SURFACE
GL	GROUND LEVEL	INDICATORS	
GLS.	GLASS		
GYP.	GYPSUM	UNO	UNLESS NOTED OTHERWISE
		U/S	UNDERSIDE
HM	HOLLOW METAL		
HOR.	HORIZONTAL	VENT.	VENTILATION
HP	HIGH POINT	VER.	VERTICAL
HT	HEIGHT		
HVAC	HEATING, VENTILATION AND AIR CONDITIONING	WC.	WASHROOM
		WD.	WOOD
		W/	WITH
INSUL.	INSULATED	W/O	WITHOUT
INT.	INTERIOR		
JAN.	JANITOR		

GENERAL NOTES

1. THE CONTRACTOR SHALL COMPLY WITH RULES AND REGULATIONS FOR CONSTRUCTION WITHIN THE BUILDING AS SET OUT IN THE ONTARIO BUILDING CODE.
2. THESE DRAWINGS ARE NOT FOR CONSTRUCTION UNTIL A PERMIT IS ISSUED BY MUNICIPALITY.
3. GENERAL CONTRACTOR TO SITE VERIFY ALL EXISTING DIMENSIONS.
4. THESE DRAWINGS MUST NOT BE SCALED. DIMENSIONS ARE SHOWN IN MILLIMETERS. ELEVATIONS AND COORDINATES ARE IN METERS. UNLESS NOTED OTHERWISE ON THE DRAWINGS.
5. THE CONTRACTOR SHALL VERIFY ALL LEVEL, BUILDING WORKPOINT COORDINATES DATUM AND DIMENSIONS PRIOR TO COMMENCEMENT OF WORK. ALL DISCREPANCIES MUST BE REPORTED TO THE ARCHITECT IMMEDIATELY.
6. ANY REVISIONS TO THE DOCUMENTS OR CHANGES PRIOR TO, DURING, OR AFTER CONSTRUCTION THAT ARE DONE WITHOUT WRITTEN AUTHORIZATION FROM THE ARCHITECT SHALL NOT BE RESPONSIBILITY OF THE ARCHITECT.
7. READ ARCHITECTURAL DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL SPECIFICATIONS, INTERFACE BETWEEN DISCIPLINES (CIVIL, STRUCTURAL, PLUMBING, MECHANICAL HVAC AND ELECTRICAL) AND WORK BETWEEN ALL TRADES SHALL BE COORDINATED PRIOR TO PROCEEDING WITH CONSTRUCTION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION WITH THE BUILDING MATERIALS SUPPLIERS, OTHER TRADES AND THE CONTRACTOR'S PROJECT FIELD REPRESENTATIVES.
9. GENERAL CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL BUILDING COMPONENTS TO ARCHITECT AND ENGINEERS FOR REVIEW PRIOR TO FABRICATION. ALL SHOP DRAWINGS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO UNLESS ALTERNATE ARRANGEMENTS HAVE BEEN PREVIOUSLY AGREED UPON.
10. INSTALL ONLY NEW MATERIALS AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTION AND SPECIFICATIONS.

CONSTRUCTION NOTES

1. ALL EXISTING COLUMNS, BEAMS AND ROOF JOISTS SHALL REMAIN INTACT UNLESS OTHERWISE INDICATED.
2. GENERAL CONTRACTOR TO CUT OPENINGS ON EXISTING EXTERIOR WALLS FOR NEW DOORS. GENERAL CONTRACTOR TO ENSURE THE CUT IS NEAT AND CLEAN, NOT DAMAGING ADJACENT WALLS, FLOORS AND CEILINGS.
3. GENERAL CONTRACTOR TO ENSURE ALL FLOOR AREAS ARE FREE OF DEBRIS AND HAZARDOUS MATERIAL AFTER DEMOLITION IS COMPLETED.
4. STUD PARTITION FRAMING TO BE MINIMUM 20 GAUGE UNLESS OTHERWISE NOTED.
5. GENERAL CONTRACTOR TO PROVIDE GYPSUM WALL BOARD CONTROL JOINTS IN ALL WALLS. CONTROL JOINTS TO BE STRAIGHT, CONTINUOUS AND INSTALLED 30 FEET OC MAX..
6. APPLY PREVENTIVE PEST CONTROL POWDER IN ALL STUD WALL TRACKS, PIPE SPACES AND OTHER CONCEALED SPACES WITHIN STUD PARTITIONS. REFER TO SPECIFICATIONS.
7. PROVIDE FIBERGLASS SOUND ATTENUATION BATT IN ALL SUITE PARTITIONS AND AREA WHERE THERE IS MECHANICAL EQUIPMENT.
8. PROVIDE FIBERGLASS SOUND ATTENUATION BATT IN ALL PLUMBING SPACE WITH VERTICAL SANITARY STACK PIPE.
9. CONCRETE BLOCK WALL AND PARTITION NOTES:
   - ALL CONCRETE BLOCK PARTITIONS AND WALLS TO EXTEND TO U/S OF FLOOR OR ROOF SLAB ABOVE, UNLESS OTHERWISE INDICATED.
   - PROVIDE COMPRESSIBLE JOINT FILLER CONTINUOUS AT TOP OF ALL BLOCK WALLS AND PARTITIONS.
   - CAULK JOINT WHERE EXPOSED.
   - PROVIDE FIRESTOP AND SMOKE SEALS AT PERIMETER JOINTS AND PENETRATIONS IN FIRE RATED PARTITIONS.
   - PROVIDE LATERAL BRACING AT TOP OF CONCRETE BLOCK WALLS AND PARTITIONS. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
10. WASHROOM TO BE PROVIDED WITH EXHAUST VENT DIRECTLY TO OUTSIDE WITH MIN. 1 AIR EXCHANGE PER HOUR (REFER TO MECH. DWGS) TAPE AND INSULATE WITH MIN. RSI 1.4 (R8) AT WHERE DUCT PASSES THROUGH COLD SPACES. PROVIDE EXTERIOR WALL CAP COMPLETE WITH INSECT SCREEN.
11. PROVIDE SOUND ATTENUATION BATT INSULATION IN ALL WASHROOM CEILINGS.
12. PROVIDE PLYWOOD BACKING IN WASHROOMS FOR GRAB BAR IN WASHROOMS.
13. TRANSPARENT DOORS AND PANELS IN PUBLIC AREAS SHALL BE OF TEMPERED GLASS OR LAMINATED GLASS AND SHALL BE APPROVED BY ATTACHING NON-TRANSPARENT HARDWARE AS REQUIRED BY 3.3.1.18 OBC
14. NEW WINDOWS AND DOORS
    - ALL WINDOWS SHALL BE THERMALLY BROKEN, LOW-E ALUMINUM WINDOWS
    - SEAL EXTERIOR WINDOW AND DOOR FRAMES WITH FOAMED IN-PLACE AIR SEALANT.
15. GUARD RAIL DESIGN TO MEET REQUIREMENTS OF PART 4.1.5.15 OF THE OBC.
16. TRANSPARENT DOORS AND PANELS IN PUBLIC AREAS SHALL BE CONSTRUCTED WITH TEMPERED GLASS OR LAMINATED GLASS, AND SHALL BE APPROVED BY ATACHING NON-TRANSPARENT HARDWARE AS REQUIRED BY OBC 3.3.1.18.
17. ALL FIXTURES IN WASHROOMS SHALL BE INSTALLED COMPLYING WITH OBC REQUIREMENTS.
18. FIRESTOP ALL PENETRATIONS THROUGH FIRE SEPARATIONS.
19. ALL COMBUSTIBLE PIPING MATERIALS SHALL COMPLY WITH OBC 3.1.5.16. ALL CABLES AND WIRES SHALL COMPLY WITH OBC 3.1.5.18.
20. BUILDING SERVICES THAT PENETRATE A FIRE WALL OR FIRE SEPARATION SHALL BE SEALED BY A FIRE STOP SYSTEM THAT HAS A FIRE RATING NOT LESS THAN THE FIRE RESISTANCE RATING FOR THE FIRE SEPARATION. (OBC DIV. B - 3.1.9.)
21. ALL BARRIER-FREE SIGH SHALL COMPLY WITH OBC 3B.3.1.
22. GENERAL CONTRACTOR TO ENSURE ALL NEW AND EXISTING COMBUSTIBLE ELECTRICAL AND DATA WIRING IS CONCEALED IN A NON-COMBUSTIBLE RACEWAY WITHIN THE RETURN ARE PLENUM.

MATERIAL SYMBOLS

- EARTH SECTION
- CONCRETE SECTION
- PLASTER/GYPSUM SECTION
- GRASS
- PLYWOOD
- SEMI-RIGID / BATT INSULATION SECTION
- RIGID INSULATION SECTION
- STEEL, IRON SECTION
- ALUMINUM SECTION
- EXISTING MATERIAL

ARCHITECTURAL SYMBOLS

- SECTION
- ELEVATION
- DETAIL
- ROOM NAME & NUMBER (ROOM NAME: XXX)
- DOOR NUMBER (1)
- WALL TYPE (1)
- REVISION CLOUD

No.	Date:	Issued/Revision:	By
4	03/19/2025	ISSUED FOR SPA	HW
3	06/21/2024	ISSUED FOR PRE-CON PHASE II	HW
2	06/17/2024	ISSUED FOR REVIEW	HW
1	12/19/2023	ISSUED FOR REVIEW	HW

Client:

FIREARMS OUTLET CANADA

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Project :

FIREARMS OUTLET CANADA

725 WESTNEY RD. S.,
AJAX, ON L1S 7J7

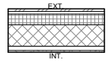
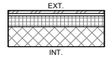
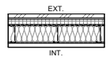
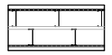
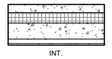
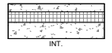
Drawing Name :

OBC MATRIX &
CONSTRUCTION NOTES

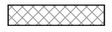
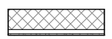
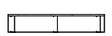
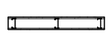
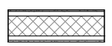
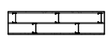
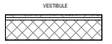
Scale :	As indicated	Project No :	00026
Drawn by :	JW	Drawing No :	A1.2
Checked by :	HW		

C:\Users\HenryWong\Documents\725 Westney Rd S- Working drawings_HenryWong.rvt

EXTERIOR WALL TYPES

TYPE	CONSTRUCTIONS	DESCRIPTION	FIRE RATE	COMMENTS
EW1		**HARDENED CONC. BLOCK WALL** - PREFINISH METAL COMPOSITE PANEL SYSTEM - AIR BARRIER - 4" POLYSIO RIGID INSULATION (R17 MIN.) - 8" LIGTHWEIGHT CONC. BLOCK - 1 5/8" METAL FURRING - 1 LAYER OF 5/8" GYPSUM BOARD		
EW2		**HARDENED CONC. BLOCK WALL** - PREFINISH METAL COMPOSITE PANEL SYSTEM - AIR BARRIER - 4" POLYSIO RIGID INSULATION (R17 MIN.) - 8" HARDENED CONC. BLOCK - PAINT FINISH		
EW3		**METAL PANEL STUD WALL ON BOTH SIDES** - PREFINISH METAL COMPOSITE PANEL SYSTEM - AIR BARRIER - 2" POLYSIO RIGID INSULATION (R12 MIN.) - 1/2" EXT. GRADE SHEATHING - 6" METAL STUD @ 16" O.C ,C/W BATT INSUL. (R13 MIN) - 1/2" PLYWOOD SHEATING - 6 MIL POLY VAPOUR BARRIER - METAL PANEL FINISH		
EW4		**DOUBLE METAL STUD W/ METAL PANEL** - PREFINISH METAL COMPOSITE PANEL SYSTEM - VAPOUR BARRIER - EXT. GRADE SHEATHING - 6" METAL STUD @ 16" O.C - 6" METAL STUD @ 16" O.C - EXT. GRADE SHEATHING - VAPOUR BARRIER - PREFINISH METAL COMPOSITE PANEL SYSTEM		WRAP THE METAL PANEL AROUND THE WALL
EW5		**INSULATED PRECAST CONC. PANEL WALL** - 3" PRECAST CONC. PANEL - 4" POLYSIO RIGID INSULATION (R17 MIN.) - 6" PRECAST CONC. PANEL - 1 5/8" METAL FURRING @ 16" O.C - 1 LAYER OF 5/8" GYPSUM BOARD	2 HR (FIRE WALL)	PRE- MANUFACTURED INSULATED PRECAST CONC.WALL
EW6		**INSULATED PRECAST CONC. PANEL WALL** - 3" PRECAST CONC. PANEL - 4" POLYSIO RIGID INSULATION (R17 MIN.) - 6" PRECAST CONC. PANEL	2HR (FIRE WALL)	PRE- MANUFACTURED INSULATED PRECAST CONC.WALL
EW7		**EXISTING WALL PANEL (SITE VERIFY)** - PREFINISHED METAL COMPOSITE PANEL SYSTEM.		

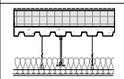
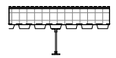
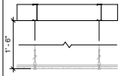
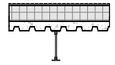
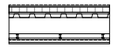
INTERIOR WALL TYPES

TYPE	CONSTRUCTIONS	DESCRIPTION		
P1		**HARDENED CONC. BLOCK WALL (FIRE WALL)** - 8" HARDENED CONC. BLOCK -1 5/8" FURRING CHANNEL @ 16" O.C -1 LAYER OF 5/8" GYPSUM BOARD	4 HR	W/ 1-25M VERTI. REINFORCING @ 16" O.C GROUTED SOLID C/W HORIZONAL REINF. EVERY 2ND BLOCK COURSE (FULL HEIGHT) 3'-0" ABOVE FINISH ROOF
P2		**HARDENED CONC. BLOCK WALL (FIRE WALL)** - 8" HARDENED CONC BLOCK	4 HR	W/ 1-25M VERTI. REINFORCING @ 16" O.C GROUTED SOLID C/W HORIZONAL REINF. EVERY 2ND BLOCK COURSE (FULL HEIGHT) 3'-0" ABOVE FINISH ROOF
P3		**8" LIGHTWEIGHT CONC. BLOCK** - PAINTED FINISH ON BOTH SIDES		HEIGHT TO U/S OF FLOOR SLAB OR ROOF SLAB
P4		**8" HARDENED CONC. BLOCK (FIRE WALL)** - PAINTED FINISH ON BOTH SIDES	1 HR	HEIGHT TO U/S OF FLOOR SLAB OR ROOF SLAB
P5		**LIGHTWEIGHT CONC.** - 8" LIGHTWEIGHT CONC. BLOCK -1 5/8" FURRING CHANNEL @ 16" O.C - 1 LAYER OF 5/8" GYPSUM BOARD		
P6		**HARDENED CONC. BLOCK (FIRE WALL)** - 8" CONC. BLOCK -1 5/8" FURRING CHANNEL @ 16" O.C - 1 LAYER OF 5/8" GYPSUM BOARD	1 HR	CARRY GYPSUM WALLBOARD 4" ABOVE CEILING
P7		**3 5/8" METAL STUD WALL (WASHROOM)** - 1 LAYER OF 5/8" GYPSUM BOARD - 3 5/8" METAL STUDS AT 16" O.C. - BATT INSULATION - 1 LAYER OF 5/8" GYPSUM BOARD		
P8		**3 5/8" METAL STUD WALL - CHASE WALL** - 3 5/8" METAL STUDS @ 16" O.C. - 1 LAYER OF 5/8" GYPSUM BOARD		
P9		**METAL STUD WALL W/ INSUL.** - 1 LAYER OF 5/8" GYPSUM BOARD - 6" METAL STUDS @ 16" O.C. - BATT INSULATION - 1 LAYER OF 5/8" GYPSUM BOARD		
P10		**METAL STUD WALL** - 1 LAYER OF 5/8" GYPSUM BOARD - 6" METAL STUDS @ 16" O.C.		
P11		**METAL STUD WALL** - 1 LAYER OF 5/8" GYPSUM BOARD - 3 5/8" METAL STUDS @ 16" O.C. - 1 LAYER OF 5/8" GYPSUM BOARD		
P12		**LIGHT WEIGHT CONC. BLOCK W/ FINISH** -1 LAYER OF 5/8" GYPSUM BOARD -1 5/8" FURRING CHANNEL @ 16" O.C -8" CONC BLOCK -1 5/8" FURRING CHANNEL @ 16" O.C -1 LAYER OF 5/8" GYPSUM BOARD		
P13		**DOUBLE 3 5/8" METAL STUD WALL** - 1 LAYER OF 5/8" GYPSUM BOARD - 3 5/8" METAL STUDS @ 16" O.C. - 3 5/8" METAL STUDS @ 16" O.C. - 1 LAYER OF 5/8" GYPSUM BOARD		
P14		**HARDENED CONC. BLOCK WALL** - 8" HARDENED CONC. BLOCK - ACOUSTICS PANEL		NRC 0.8 TREATMENT

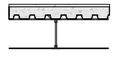
INTERIOR WALL TYPES

TYPE	CONSTRUCTIONS	DESCRIPTION	FIRE RATE	COMMENTS
P15		**2 1/2" METAL STUD WALL** - 2 1/2" METAL STUDS @ 16" O.C. - 1 LAYER OF 5/8" GYPSUM BOARD		
P16		**FURRING WALL** - 1 LAYER OF 5/8" GYPSUM BOARD - 1 5/8" METAL FURRING		

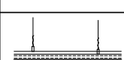
ROOF TYPES

TYPE	CONSTRUCTIONS	DESCRIPTION	COMMENTS
RF-1		- TPO WATERPROOF MEMBRANE (HIGH REFLECTIVE) - PROTECTION BOARD - TAPERED RIGID INSULATION (R35 MIN.) TO CREATE ROOF SLOPE - 2" CONCRETE TOPPING - METAL DECK - STRUCTURE STEEL - FIBERGLASS INSULATION FOR SOUND ATTENUATION - SUSPENDED DRYWALL CEILING (1 LAYER OF 5/8" GYP. BOARD)	
RF-2		- TPO WATERPROOF MEMBRANE (HIGH RELECTIVE) - PROTECTION BOARD - TAPERED RIGID INSULATION (R35 MIN.) TO CREATE ROOF SLOPE - 6MIL POLY VAPOUR BARRIER - METAL DECK - STRUCTURE STEEL	
RF-3		- 6" METAL STUD @ 2'-0" O.C (GAUGE 16) - SUSPENDED ACOUSTIC TILE CEILING	
RF-4		- TPO WATERPROOF MEMBRANE (HIGH REFLECTIVE) - PROTECTION BOARD - TAPERED RIGID INSULATION (R35 MIN.) TO CREATE ROOF SLOPE - 2" CONCRETE TOPPING - METAL DECK - STRUCTURE STEEL	
RF-5		-TPO ROOFING MEMBRANE - PROTECTION BOARD - TAPERED INSULATION TO FORM SLOPES - MIN. 2% SLOPE TO DRAIN - METAL DECK (REFER TO STRUC. DWGS.) - ROOF STRUCTURE (REFER TO STRUC. DWGS.) - COLD FORMED STUD/FURRING FRAMING (IF REQUIRED) - 1/2" EXTERIOR GRADE PLYWOOD SHEATHING - VAPOUR IMPERMEABLE AIR BARRIER - ALUMINUM SOFFIT	

FLOOR TYPES

FL-1		**TYPICAL COMPOSITE FLOOR** - FLOOR FINISH AS SEPCIFIED - 3" CONCRETE TOPPING (REFER TO STRUC. DWGS.) - METAL DECK (REFER TO STRUC. DWGS.) - STRUCTURE STEEL (REFER TO STRUC. DWGS.)	
FL-2		**CONCRETE SLAB ON GRADE** - FLOOR FINISH AS SPECIFIED - CONCRETE SEALER - 6" CAST-IN-PLACE CONCRETE SLAB (REFER TO STRUC. DWGS.) - 10MIL POLYETHYLANE MOISTURE BARRIER - 3" RIGID INSULATION AT FOUNDATION PERIMETER, MECHANICALLY FASTENED TO A DEPTH OF 4ft. - GRAVEL OR CRUSHED STONE DRAINAGE COURSE - UNDISTURBED SOIL	

CEILING TYPES

TYPE	CONSTRUCTIONS	DESCRIPTION	
CL-1		**SUSPENDED ACOUSTIC TILE CEILING** - SUSPENSION SYSTEM WITH HANGING WIRE ATTACHED TO STRUCTURE ABOVE -ACOUSTIC CEILING TILE	
CL-2		**SUSPENDED GYPSUM BOARD CEILING** - SUSPENSION SYSTEM WITH HANGING WIRE ATTACHED TO STRUCTURE ABOVE - 20 GA. MIN. METAL FURRING CHANNEL - 1/2" GYPSUM BOARD	
CL-3		**ACOUSTIBUILT CEILING SYSTEM** - ACOUSTICAL SUSPENSION SYSTEM - METAL FRAMING - ACOUSTIBUILT PANEL	

ASSEMBLY NOTES

1. PROVIDE FULL HEIGHT SOUND ATTENUATION BLANKET AT ALL WASHROOM PARTITIONS.

2. PROVIDE FULL HEIGHT SOUND ATTENUATION BLANKET IN ALL PARTITIONS AROUND SHAFTS AND SERVICE ROOMS.

3. SEAL ALL FIRE RATED PARTITIONS TO FLOOR SLAB AND THE UNDERSIDE OF STRUCTURE ABOVE WITH FIRE STOP AND FIRE PROOFING SEALANT. SEAL ALL PENETRATIONS THROUGH FIRE SEPARATIONS WITH ULC-APPROVED FIRESTOP SYSTEMS.

4. ALL GYPSUM BOARD FINISH, FURRING MATERIALS AND INTERIOR VENEER MATERIALS SHALL EXTEND A MINIMUM OF 4" ABOVE THE HIGHEST ADJACENT FINISHED CEILING UNLESS NOTED OTHERWISE ON DRAWINGS.

5. SUBSTITUTE GYPSUM BOARD WITH MOISTRUE RESISTANT GYPSUM BOARD WHERE MOISTRUE IS A FACTOR AND TILE IS NOT SPECIFIED.

7. FOR STEEL FRAMING, PROVIDE SHOP DRAWINGS DESIGNED AND STAMPED BY STRUCTURAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO.

No.	Date:	Issued/Revision:	By
1	03/19/2025	ISSUED FOR SPA	HW

Client:

FIREARMS OUTLET CANADA

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www.wangarchitects.ca

Project :

FIREARMS OUTLET CANADA

725 WESTNEY RD. S.,
AJAX, ON L1S 7J7

Drawing Name :

ASSEMBLIES

Scale :	As indicated	Project No :	00026
Drawn by :	JW	Drawing No :	A1.3
Checked by :	HW		

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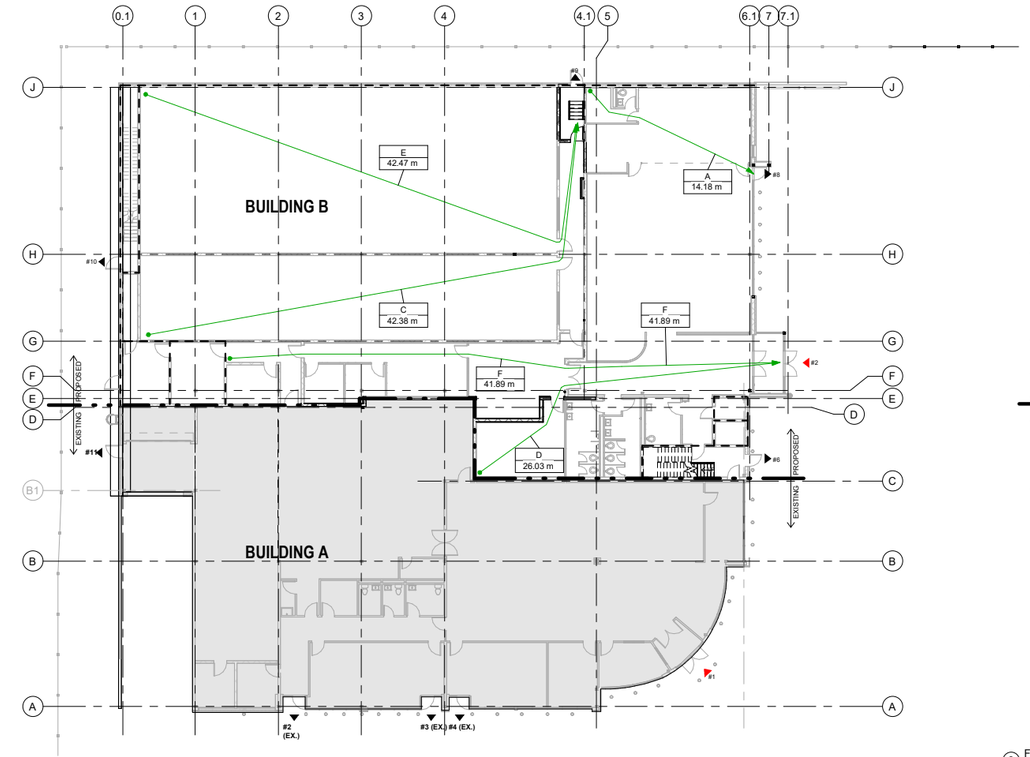
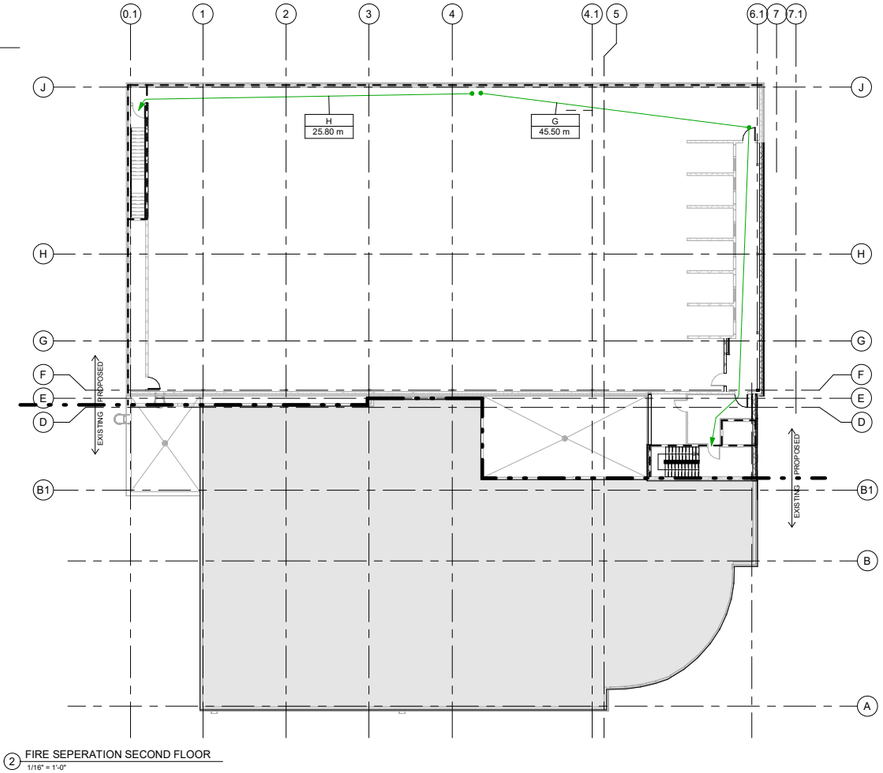


1 FIRE SEPERATION GROUND FLOOR
1/16" = 1'-0"



2 FIRE SEPERATION SECOND FLOOR
1/16" = 1'-0"

LEGEND

- EGRESS PATH
- 1 HOUR FIRE RATED SEPERATION (FIRE WALL)
- 4 HOUR FIRE RATED SEPERATION (FIRE WALL)
- ENTRANCE DOOR
- EXIT DOOR

TRAVEL DISTANCE NOTE
147.6 FT MAX FOR GROUP A ASSEMBLY

No.	Date:	Issued/Revision:	By
1	03/19/2025	ISSUED FOR SPA	HW

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Project :

FIREARMS OUTLET CANADA

725 WESTNEY RD. S.,
AJAX, ON L1S 7J7

Drawing Name :

FIRE SEPERATION PLAN

Scale :	As indicated	Project No :	00026
Drawn by :	JW	Drawing No :	A1.5
Checked by :	HW		

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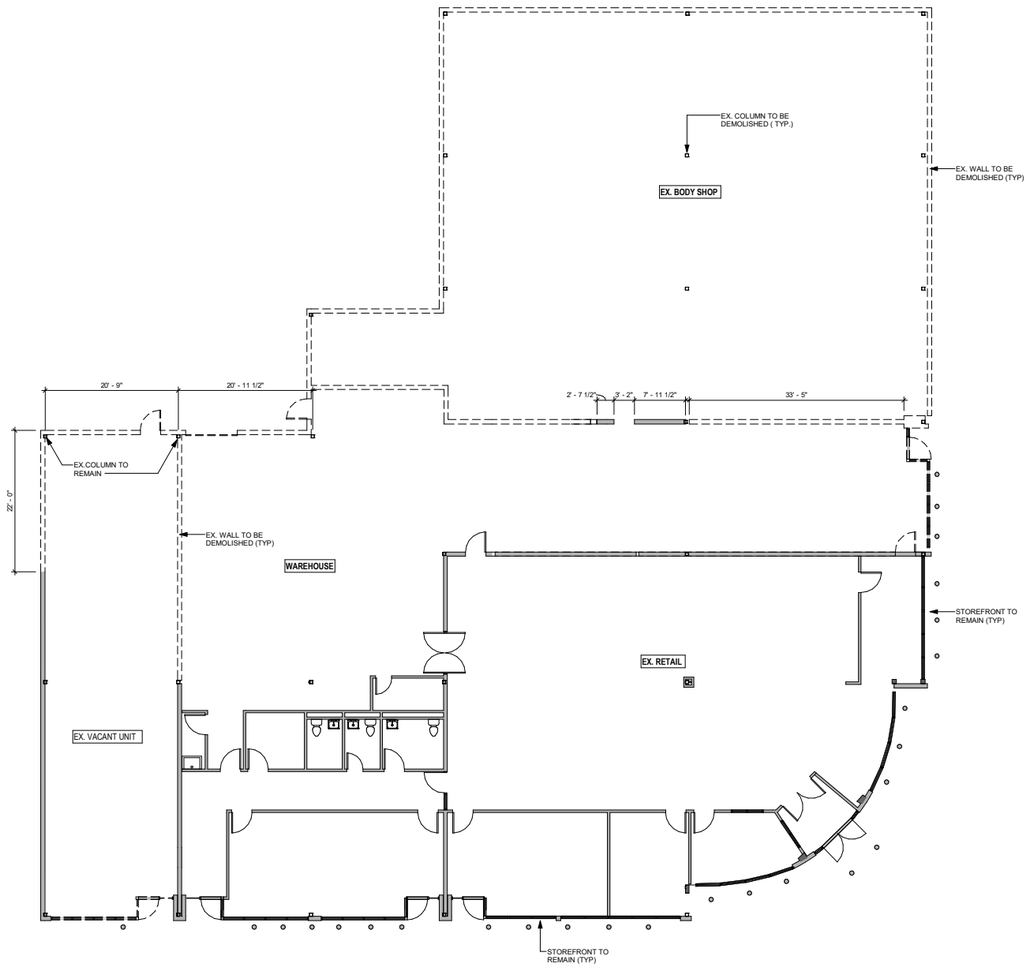

1 GROUND FLOOR DEMOLITION PLAN
1" = 10'-0"

DEMOLITION PLAN NOTES

1. READ ARCHITECTURAL DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL SPECIFICATIONS. INTERFACE BETWEEN DISCIPLINES (STRUCTURAL, MECHANICAL, HVAC, PLUMBING AND ELECTRICAL) AND WORK BETWEEN TRADES SHALL BE COORDINATED PRIOR TO PROCEEDING WITH CONSTRUCTION.
2. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL RELATED COMPONENTS OF DEMOLITION, MODIFICATION, AND NEW INSTALLATION.
3. ALL DIMENSIONS ON THIS DRAWING HAVE BEEN ROUNDED TO THE NEAREST 1" FOR CLARITY UNLESS OTHERWISE NOTED.
4. GENERAL CONTRACTOR TO SITE VERIFY ALL EXISTING DIMENSIONS.
5. GENERAL CONTRACTOR TO PROTECT ALL EXISTING COMPONENTS, FINISHES THAT ARE NOT DESIGNATED TO BE DEMOLISHED FROM DAMAGE DURING DEMOLITION. MAKE GOOD ALL DAMAGE RESULTING FROM THE WORK CARRIED OUT UNDER THIS CONTRACT AT NO EXTRA CHARGE.
6. GENERAL CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK WITH APPROPRIATE UTILITY COMPANIES PRIOR TO STARTING WORK.
7. GENERAL CONTRACTOR TO CUT OPENINGS ON EXISTING EXTERIOR AND INTERIOR WALLS FOR NEW WINDOWS AND DOORS BASED ON PROPOSED FLOOR PLANS. GENERAL CONTRACTOR TO ENSURE THESE CUTS ARE NEAT AND CLEAN, NOT DAMAGING ADJACENT WALLS, FLOORS AND CEILINGS.
8. EXISTING DOORS BEING REMOVED ARE TO BE KEPT FOR REUSE IF POSSIBLE.
9. EXISTING WALLS TO BE REMOVED, MAKE GOOD ALL ADJACENT WALLS, FLOORS AND CEILING FINISHES AS REQUIRED.
10. GENERAL CONTRACTOR TO ENSURE ALL FLOOR AREA ARE FREE OF DEBRIS AND HAZARDOUS MATERIAL AFTER DEMOLITION IS COMPLETED.
11. ALL EXISTING STRUCTURES REMAIN INTACT UNLESS OTHERWISE NOTED.
12. ALL EXISTING PLUMBING AND DRAINAGE LINES SHALL BE CAPPED OFF WHERE EXISTING PLUMBING FIXTURES AND DRAINAGE LINES TO BE REMOVED AND DISPOSED OF. MAKE GOOD ALL ADJACENT SURFACES AS REQUIRED. (SEE MECHANICAL)
13. ALL EXISTING WINDOWS ARE TO REMAIN INTACT UNLESS OTHERWISE INDICATED.
14. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL ONGOING AND FINAL CLEAN UP.

No.	Date:	Issued/Revision:	By
4	03/19/2025	ISSUED FOR SPA	HW
3	06/21/2024	ISSUED FOR PRE-CON PHASE II	HW
2	06/17/2024	ISSUED FOR REVIEW	HW
1	12/19/2023	ISSUED FOR REVIEW	HW

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Project :

FIREARMS OUTLET CANADA

725 WESTNEY RD. S.,
AJAX, ON L1S 7J7

Drawing Name :

DEMO FLOOR PLAN

Scale :	As indicated	Project No :	00026
Drawn by :	JW	Drawing No :	A2.1
Checked by :	HW		

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BUILDING B

BUILDING A

EX. BUILDING (HATCHED)
(NOT IN SCOPE)

SHOOTING RANGE 2
126

SHOOTING RANGE
(682 m² / 7,344 SF)
(15 LANES)

SHOOTING RANGE 1
127

STAIR B
123

STAIR C
124

STAIR A
122

STORAGE
118

STAFF WC
119

KITCHEN
120

WALK-IN COOLER

PICK-UP WINDOW

BAR

RESTAURANT
121
DINING AREA
(78 SEATS)

CORR.
117

LOBBY
102

VESTIBULE
101

MAIN ENTRANCE #2

EXIT #7

EXIT #8

BOLLARD (TYP.)

LINE OF CANOPY ABOVE

BIKE STAND

EXIT #10

STOR.
116

MECH. ROOM
115

ELEC. RM
114

SERVICE CORRIDOR
112

OFFICE 3
113

OFFICE 2
111

OFFICE 1
110

GUN LOCKER RM.
109

SHOOTING RANGE LOBBY
108

MAIN RECP.

RANGE RECP.

CLASSROOM
107

MEN'S WC
106

WOMEN'S WC
105

UNI. WC
104

MACH. RM
103

EXIT #11

GARAGE ROOM
125

16'X8' ROLL-UP DOOR

FFE 91.81

LOADING / RECEIVING

14'x10' ROLL-UP DOOR

NEW COLUMN

EX. STEEL COLUMN

EX. STEEL CAGE

CAGE LADDER

EX. WAREHOUSE
(FIREARMS & AMMUNITION)

WHAREHOUSE
130

STORAGE 3
129

STORAGE 2
128

LOADING SPACE

CONCRETE RETAINING WALL W/METAL GUARD

DEPRESSED RAMP
HEAVY DUTY PAVEMENT
4.5% SLOPE

EX. WALL

RETAIL
(269 m²/2,895 SF)

ELEC/SERVER ROOM

JAN.

EX. STAFF ROOM

EX. WOMEN'S

EX. MEN'S

EX. UNIVERSAL WASHROOM

EX. VESTIBULE

SECURITY

EX. CLASSROOM

EX. OFFICE

EXIT #2 (EX.)

EXIT #3 (EX.)

EXIT #4 (EX.)

EXIT #5 (EX.)

EX. MAIN ENTRANCE #1

1 GROUND FLOOR PROPOSED PLAN
1/8" = 1'-0"

LEGEND

- EXISTING WALLS TO REMAIN
- EXISTING WALLS TO BE DEMOLISHED
- NEW INTERIOR WALLS
- P.D.O. — POWER DOOR OPERATOR
- F.D. — FLOOR DRAIN (REFER TO MECH DWGS)
- DOOR TYPE
- EXTERIOR WALL TYPE
- INTERIOR WALL TYPE
- GLZ-X — GLAZING NUMBER
- 4 HR FIRE WALL SEPERATION

FLOOR PLAN NOTES

1. FOR GENERAL NOTES, LEGEND AND WALL TYPES, REFER TO DRAWING A1.2
2. READ ARCHITECTURAL DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL SPECIFICATIONS. INTERFACE BETWEEN DISCIPLINES (STRUCTURAL, MECHANICAL, HVAC, PLUMBING AND ELECTRICAL) AND WORK BETWEEN TRADES SHALL BE COORDINATED PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. ALL DIMENSIONS ON THIS DRAWING HAVE BEEN ROUNDED TO THE NEAREST 1/4" FOR CLARITY.
4. ALL EXISTING DIMENSIONS ARE PLUS/MINUS. CONTRACTOR TO VERIFY DIMENSIONS FOR EXISTING BUILDING PRIOR TO CONSTRUCTION.
5. FOR FLOOR FINISHES REFER TO FLOOR FINISH PLAN ON DRAWING A2.3.
6. FOR FLOOR DRAIN LOCATIONS REFER TO MECHANICAL DRAWINGS TYP.
7. FOR DOOR AND FRAME TYPES REFER TO DOOR SCHEDULE ON DRAWING A1.3.
8. PARTITIONS WHICH SUPPORT FIXTURES, MILLWORK AND/ OR ACCESSORIES ARE TO BE REINFORCED WITH WOOD STUD BLOCKING AND/OR PLYWOOD AS REQUIRED TO PROVIDE RIGID SUPPORT AND A FASTENING SURFACE.
9. ALL EXISTING WINDOWS TO REMAIN UNLESS OTHERWISE NOTED.
10. ALL STEEL STUD PARTITIONS ARE TO BE EXTENDED MIN. 6" ABOVE FINISHED CEILING UNLESS OTHERWISE NOTED. STUDS PARTITION FRAMING TO BE MIN. 20 GAUGE UNLESS OTHERWISE NOTED. APPLY WEB STIFENERS WHEN IF EXCEED MAX. HEIGHT SPAN.
11. GENERAL CONTRACTOR TO ENSURE ALL NEW AND EXISTING COMBUSTIBLE ELECTRICAL AND DATA WIRING IS CONCEALED IN A NON-COMBUSTIBLE RACEWAY WITHIN THE RETURN ARE PLENUM.
12. BUILDING SERVICES THAT PENETRATE A FIRE WALL OR FIRE SEPARATION SHALL BE SEALED BY A FIRE STOP SYSTEM THAT HAS A FIRE RATING NOT LESS THAN FIRE RESISTANCE RATING FOR THE FIRE SEPARATION. (OBC DIV. B - 3.1.9.)
13. GENERAL CONTRACTOR TO ENSURE EXISTING DEMISING WALLS REMAIN CONTINUOUS DURING CONSTRUCTION. REFER TO WALL TYPES ON DRAWING A1.2 FOR EXISTING DEMISING WALL TREATMENT.
14. ALL EXISTING STRUCTURE SHALL REMAIN UNLESS OTHERWISE NOTED.
15. DOOR AND WINDOW MANUFACTURER TO SITE VERIFY ALL OPENING DIMENSIONS PRIOR TO FABRICATION.
16. EXTERIOR DOOR AND WINDOW ASSEMBLIES TO MEET THE REQUIREMENTS OF SB10 OF THE ONTARIO BUILDING CODE.
17. EXTERIOR WALL ASSEMBLIES TO MEET THE REQUIREMENTS OF SB10 OF THE ONTARIO BUILDING CODE.
18. GENERAL CONTRACTOR TO PROVIDE GYPSUM WALL BOARD CONTROL JOINTS IN ALL WALLS. CONTROL JOINTS TO BE STRAIGHT, CONTINUOUS AND INSTALLED 30 FEET O.C. MAX..
19. PROVIDE SOFT WEATHER TIGHT JOINTS AT ALL ADJACENT MATERIALS AND SURFACES AS PER MANUFACTURES SPECIFICATIONS.
20. GENERAL CONTRACTOR TO INSTALL EMERGENCY/EXIT LIGHTING AS PER ELECTRICAL DRAWINGS.
21. GENERAL CONTRACTOR TO INSPECT AND ENSURE ALL EXISTING EMERGENCY/EXIT LIGHTS ARE IN GOOD WORKING CONDITION. REPLACE BATTERY PACK AS REQUIRED.
22. CONTRACTOR TO PROVIDE ARCHITECT/ELECTRICAL CONSULTANT WITH AN EMERGENCY LIGHTING TEST REPORT.
23. GENERAL CONTRACTOR TO HAVE EXISTING FIRE ALARM SYSTEM VERIFIED AND PROVIDE A CERTIFICATE TO THE ARCHITECT / ELECTRICAL CONSULTANTS, BUILDING DEPARTMENT AND FIRE DEPARTMENT.
24. EXISTING ROOF TO REMAIN INTACT UNLESS OTHERWISE NOTED.
25. TRANSPARENT DOORS AND PANELS IN PUBLIC AREAS SHALL BE CONSTRUCTED WITH TEMPERED GLASS OR LAMINATED GLASS AND SHALL BE APPROVED BY ATTACHING NON-TRANSPARENT HARDWARE AS REQUIRED BY 3.3.1.18 OF THE ONTARIO BUILDING CODE.
26. REFER TO SECURITY DRAWINGS FOR ALL SECURITY ACCESS DEVICE LOCATIONS AND REQUIREMETNS TYPICAL.

No.	Date:	Issued/Revision:	By
11	03/19/2025	ISSUED FOR SPA	HW
10	02/06/2025	ISSUE FOR REVIEW	HW
9	01/13/2025	ISSUED FOR REVIEW	HW
8	06/21/2024	ISSUED FOR PRE-CON PHASE II	HW
7	06/17/2024	ISSUED FOR REVIEW	HW
6	12/19/2023	ISSUED FOR REVIEW	HW
5	12/18/2023	ISSUED FOR COORDINATION	HW
4	12/08/2023	ISSUED FOR REVIEW	HW
3	07/20/2023	ISSUED FOR REVIEW	HW
2	07/18/2023	ISSUED FOR REVIEW	HW
1	07/17/2023	ISSUED FOR REVIEW	HW

Client:

FIREARMS OUTLET CANADA

WANG ARCHITECTS INC.
3950 14th Ave, Unit 609
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www.wangarchitects.ca

Project :

FIREARMS OUTLET CANADA

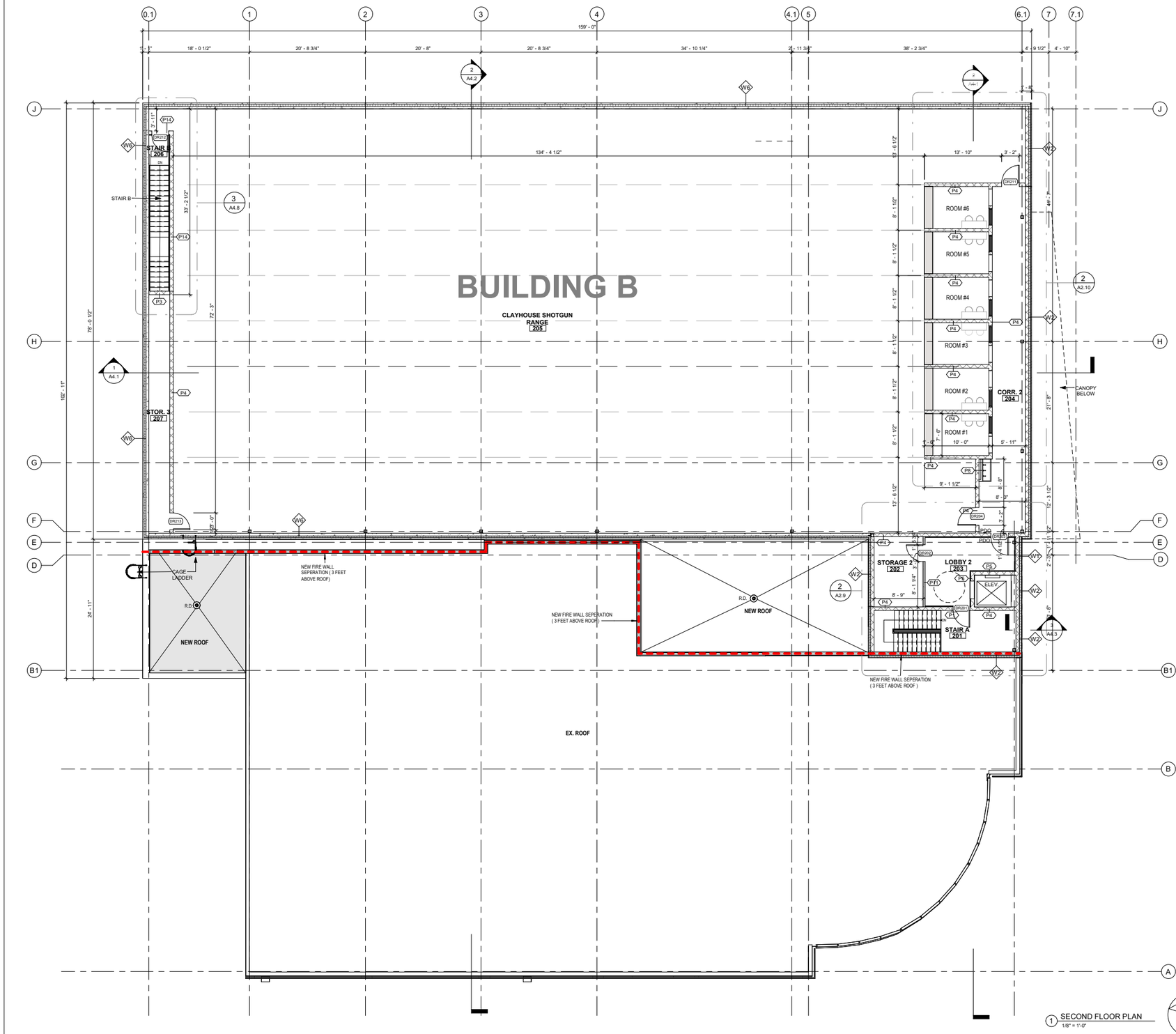
725 WESTNEY RD. S.,
AJAX, ON L1S 7J7

Drawing Name :

GROUND FLOOR PROPOSED PLAN

Scale :	As indicated	Project No :	00026
Drawn by :	JW	Drawing No :	A2.2
Checked by :	HW		

C:\Users\HenryWang\Documents\725 Westney Rd S- Working drawings_HenryWang.rvt



LEGEND

- EXISTING WALLS TO REMAIN
- EXISTING WALLS TO BE DEMOLISHED
- NEW INTERIOR WALLS
- P.D.O. POWER DOOR OPERATOR
- F.D. FLOOR DRAIN (REFER TO MECH DWGS)
- DR0X DOOR TYPE
- EXTERIOR WALL TYPE
- INTERIOR WALL TYPE
- GLZ-X GLAZING NUMBER
- 4 HR FIRE WALL SEPERATION

FLOOR PLAN NOTES

1. FOR GENERAL NOTES, LEGEND AND WALL TYPES, REFER TO DRAWING A1.2.
2. READ ARCHITECTURAL DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL SPECIFICATIONS. INTERFACE BETWEEN DISCIPLINES (STRUCTURAL, MECHANICAL, HVAC, PLUMBING AND ELECTRICAL) AND WORK BETWEEN TRADES SHALL BE COORDINATED PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. ALL DIMENSIONS ON THIS DRAWING HAVE BEEN ROUNDED TO THE NEAREST 1/4" FOR CLARITY.
4. ALL EXISTING DIMENSIONS ARE PLUS/MINUS. CONTRACTOR TO VERIFY DIMENSIONS FOR EXISTING BUILDING PRIOR TO CONSTRUCTION.
5. FOR FLOOR FINISHES REFER TO FLOOR FINISH PLAN ON DRAWING A2.3.
6. FOR FLOOR DRAIN LOCATIONS REFER TO MECHANICAL DRAWINGS TYP.
7. FOR DOOR AND FRAME TYPES REFER TO DOOR SCHEDULE ON DRAWING A1.3.
8. PARTITIONS WHICH SUPPORT FIXTURES, MILLWORK AND/ OR ACCESSORIES ARE TO BE REINFORCED WITH WOOD STUD BLOCKING AND/OR PLYWOOD AS REQUIRED TO PROVIDE RIGID SUPPORT AND A FASTENING SURFACE.
9. ALL EXISTING WINDOWS TO REMAIN UNLESS OTHERWISE NOTED.
10. ALL STEEL STUD PARTITIONS ARE TO BE EXTENDED MIN. 6" ABOVE FINISHED CEILING UNLESS OTHERWISE NOTED. STUDS PARTITION FRAMING TO BE MIN. 20 GAUGE UNLESS OTHERWISE NOTED. APPLY WEB STIFENERS WHEN IF EXCEED MAX. HEIGHT SPAN.
11. GENERAL CONTRACTOR TO ENSURE ALL NEW AND EXISTING COMBUSTIBLE ELECTRICAL AND DATA WIRING IS CONCEALED IN A NON-COMBUSTIBLE RACEWAY WITHIN THE RETURN ARE PLENUM.
12. BUILDING SERVICES THAT PENETRATE A FIRE WALL OR FIRE SEPARATION SHALL BE SEALED BY A FIRE STOP SYSTEM THAT HAS A FIRE RATING NOT LESS THAN FIRE RESISTANCE RATING FOR THE FIRE SEPARATION. (OBC DIV. B - 3.1.9.)
13. GENERAL CONTRACTOR TO ENSURE EXISTING DEMISING WALLS REMAIN CONTINUOUS DURING CONSTRUCTION. REFER TO WALL TYPES ON DRAWING A1.2 FOR EXISTING DEMISING WALL TREATMENT.
14. ALL EXISTING STRUCTURE SHALL REMAIN UNLESS OTHERWISE NOTED.
15. DOOR AND WINDOW MANUFACTURER TO SITE VERIFY ALL OPENING DIMENSIONS PRIOR TO FABRICATION.
16. EXTERIOR DOOR AND WINDOW ASSEMBLIES TO MEET THE REQUIREMENTS OF SB10 OF THE ONTARIO BUILDING CODE.
17. EXTERIOR WALL ASSEMBLIES TO MEET THE REQUIREMENTS OF SB10 OF THE ONTARIO BUILDING CODE.
18. GENERAL CONTRACTOR TO PROVIDE GYPSUM WALL BOARD CONTROL JOINTS IN ALL WALLS. CONTROL JOINTS TO BE STRAIGHT, CONTINUOUS AND INSTALLED 30 FEET O.C. MAX..
19. PROVIDE SOFT WEATHER TIGHT JOINTS AT ALL ADJACENT MATERIALS AND SURFACES AS PER MANUFACTURES SPECIFICATIONS.
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21. GENERAL CONTRACTOR TO INSPECT AND ENSURE ALL EXISTING EMERGENCY/EXIT LIGHTS ARE IN GOOD WORKING CONDITION. REPLACE BATTERY PACK AS REQUIRED.
22. CONTRACTOR TO PROVIDE ARCHITECT/ELECTRICAL CONSULTANT WITH AN EMERGENCY LIGHTING TEST REPORT.
23. GENERAL CONTRACTOR TO HAVE EXISTING FIRE ALARM SYSTEM VERIFIED AND PROVIDE A CERTIFICATE TO THE ARCHITECT / ELECTRICAL CONSULTANTS, BUILDING DEPARTMENT AND FIRE DEPARTMENT.
24. EXISTING ROOF TO REMAIN INTACT UNLESS OTHERWISE NOTED.
25. TRANSPARENT DOORS AND PANELS IN PUBLIC AREAS SHALL BE CONSTRUCTED WITH TEMPERED GLASS OR LAMINATED GLASS AND SHALL BE APPROVED BY ATTACHING NON-TRANSPARENT HARDWARE AS REQUIRED BY 3.3.1.18 OF THE ONTARIO BUILDING CODE.
26. REFER TO SECURITY DRAWINGS FOR ALL SECURITY ACCESS DEVICE LOCATIONS AND REQUIREMETNS TYPICAL.

No.	Date:	Issued/Revision:	By
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7	01/13/2025	ISSUED FOR REVIEW	HW
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4	12/19/2023	ISSUED FOR REVIEW	HW
3	12/08/2023	ISSUED FOR REVIEW	HW
2	07/18/2023	ISSUED FOR REVIEW	HW
1	07/17/2023	ISSUED FOR REVIEW	HW

Client:

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Project :

FIREARMS OUTLET CANADA

725 WESTNEY RD. S.,
AJAX, ON L1S 7J7

Drawing Name :

SECOND FLOOR PLAN

Scale :	As indicated	Project No :	00026
Drawn by :	JW	Drawing No :	A2.3
Checked by :	HW		

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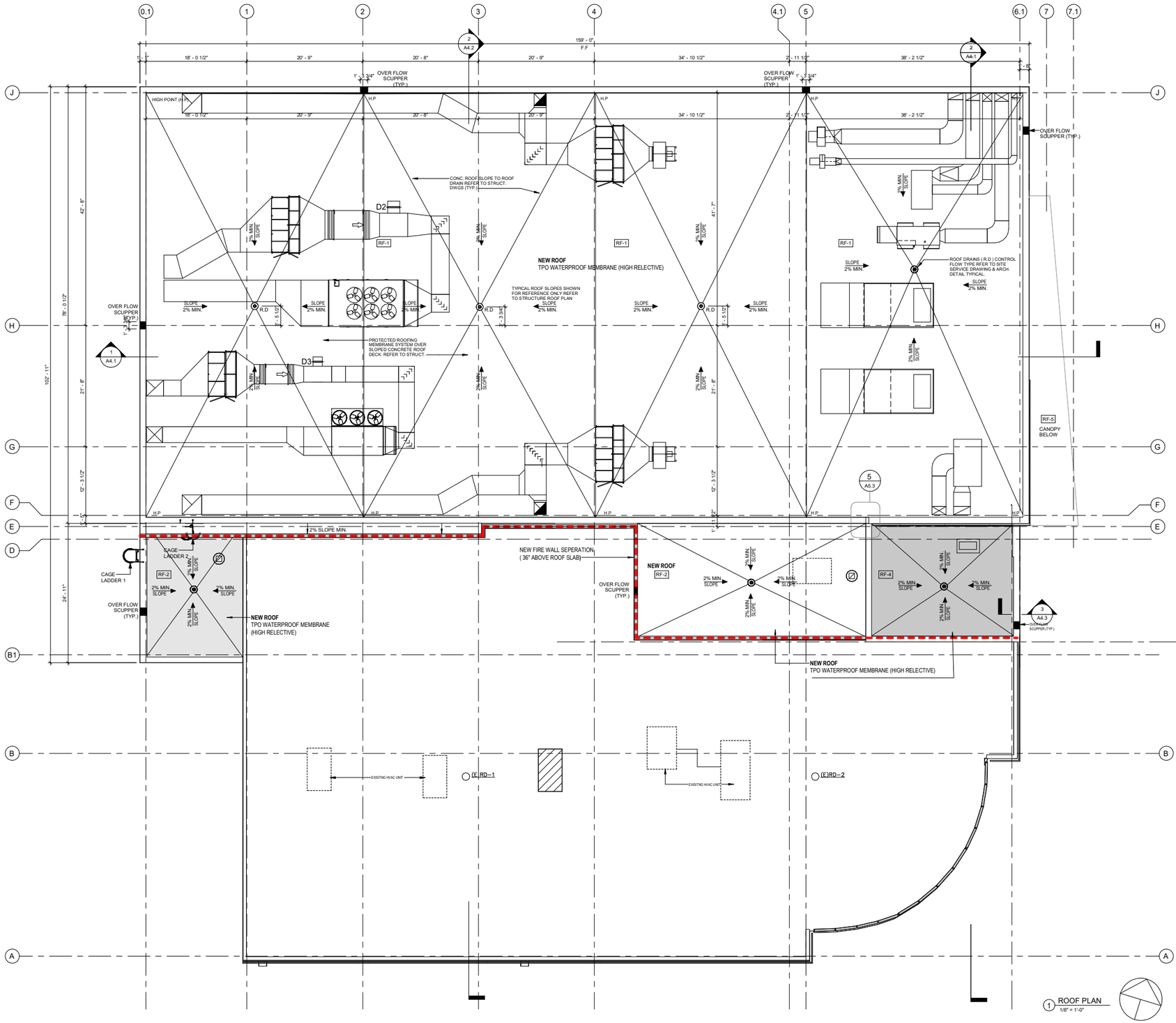

1 ROOF PLAN
1/8" = 1'-0"

LEGEND

H.P	HIGH POINT
RD	ROOF DRAIN
SLOPE 2% MIN.	ROOF SLOPE
	SCUPPER

NOTE:
1. ALL NEW ROOFS SHALL BE COOL ROOFS.
2. THE COOL ROOFING MATERIAL SHALL HAVE A MINIMUM INITIAL REFLECTANCE OF 0.65 AND MINIMUM EMITTANCE OF 0.9 OR A THREE-YEAR AGED SRI VALUE OF 64.

ROOF PLAN NOTE

1.FOR GENERAL NOTES AND LEGEND, REFER TO DRAWING A002.
FOR WALL TYPES, REFER TO DRAWING A003.
2. READ ARCHITECTURAL DRAWINGS IN CONJUNCTION WITH ALL INTERFACE DISCIPLINE DRAWINGS (STRUCTURAL, MECHANICAL, ELECTRICAL AND LANDSCAPE DESIGN), AND WORK BETWEEN ALL TRADES SHALL BE COORDINATED PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. FOR FLOOR PLANS REFER TO DRAWINGS A201 & A202.
4. FOR MECHANICAL HVAC AND PLUMBING ROOF OPENINGS REFER TO MECHANICAL AND STRUCTURAL DRAWINGS.
5. REFER TO MECHANICAL HVAC DRAWINGS FOR LOCATIONS AND TYPES OF ROOF TOP UNITS INCLUDING ALL MIN. MAINTENANCE CLEARANCE REQUIREMENTS TYPICAL.

No.	Date:	Issued/Revision:	By
4	03/19/2025	ISSUED FOR SPA	HW
3	06/21/2024	ISSUED FOR PRE-CON PHASE II	HW
2	06/17/2024	ISSUED FOR REVIEW	HW
1	12/19/2023	ISSUED FOR REVIEW	HW

Client:

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Project :

FIREARMS OUTLET CANADA

725 WESTNEY RD. S.,
AJAX, ON L1S 7J7

Drawing Name :

ROOF PLAN

Scale :	1/8" = 1'-0"	Project No :	00026
Drawn by :	Author	Drawing No :	A2.4
Checked by :	Checker		

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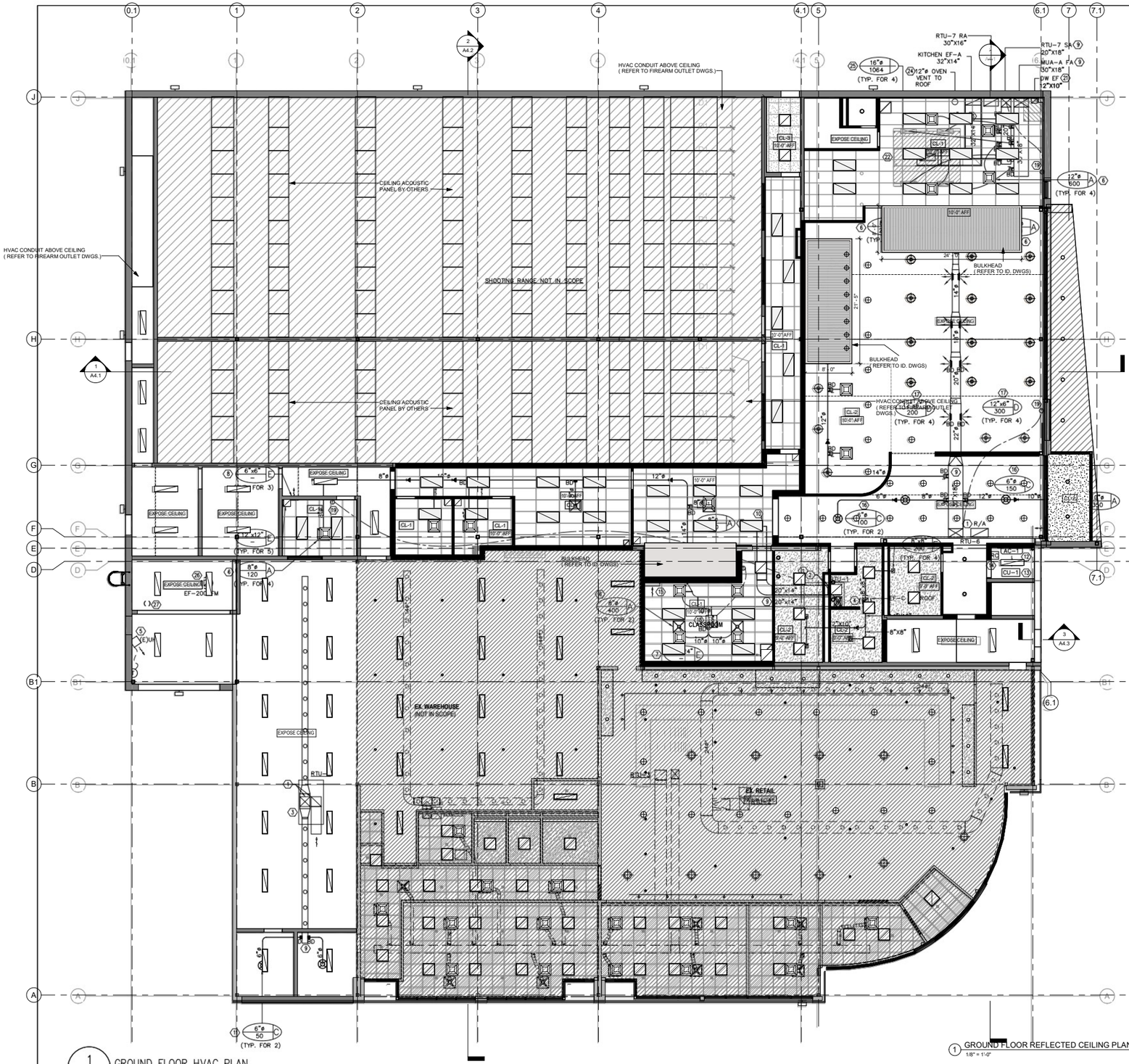

1 GROUND FLOOR HVAC PLAN
M-5
SCALE: 1/8" = 1'-0"

1 GROUND FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"

CODED HVAC NOTES

1. ACOUSTICALLY LINED SUPPLY AND RETURN AIR PLENUMS UP THROUGH ROOF TO RTU ABOVE. COORDINATE EXACT LOCATION WITH EXISTING BUILDING STRUCTURE ON SITE.
2. MODIFY EXISTING ROOF OPENINGS TO SUIT NEW SUPPLY AND RETURN AIR RISERS THROUGH ROOF. CONFIRM EXACT LOCATIONS ON SITE.
3. SUPPLY AND INSTALL EXISTING SUPPLY AIR PLENUM AND DUCTWORK REMOVED FROM RTU-1 FOR RTU-5 AS SHOWN. EXISTING RETURN AIR PLENUM TO REMAIN AND BE RE-PURPOSED FOR WAREHOUSE EXPANSION, EXTEND DUCTWORK AS REQUIRED. CONFIRM EXACT LOCATIONS ON SITE.
4. 12"x12" EXHAUST AIR DUCT UP THROUGH ROOF TO EXHAUST FAN ABOVE.
5. NEW LOCATION OF EXISTING GAS FIRE UNIT HEATER (APPROX. HEATING INPUT XX MBH). SUSPEND UNIT FROM ROOF STRUCTURE WITH STEEL RODS AND SPRING ISOLATORS AND RUN 6"ø TYPE "B" GAS VENT THROUGH ROOF AND TERMINATE MINIMUM 36" ABOVE ROOF WITH RAIN CAP.
6. SUPPLY AND INSTALL NEW 24" x 24" SUPPLY AIR SQUARE DIFFUSER TYPE "A" AS NOTED ON DRAWING AND SCHEDULE. (TYPICAL FOR ALL)
7. SUPPLY AND INSTALL NEW 24" x 24" RETURN AIR GRILLE TYPE "E" AS NOTED ON DRAWING AND SCHEDULE. (TYPICAL FOR ALL)
8. SUPPLY AND INSTALL NEW 12" x 12" RETURN AIR GRILLE TYPE "E" AS NOTED ON DRAWING AND SCHEDULE. (TYPICAL FOR ALL)
9. SUPPLY AND INSTALL NEW MAIN DUCT, BRANCH AND FLEXIBLE DUCT C/W/ DAMPERS AS SHOWN.
10. SUPPLY AND INSTALL NEW RETURN AIR PLENUM AND DUCT OPEN ENDED TO CEILING ABOVE LOBBY AS SHOWN.
11. SUPPLY AND INSTALL NEW 6"ø SUPPLY AIR ROUND DIFFUSER TYPE "C" AS NOTED ON DRAWING AND SCHEDULE. (TYPICAL FOR ALL)
12. SUPPLY AND INSTALL NEW INDOOR WALL MOUNTED 1.0 TONS A/C-1 UNIT BY CONTRACTOR C/W THERMOSTAT. AIR BALANCE SUPPLY AIR TO 425 CFM.
13. NEW CONDENSING UNIT "CU-1". CU TO BE FLOOR MOUNTED ON CONCRETE PAVERS WITH SCREENING ON THE ROOF LEVEL ABOVE ELEVATOR MACHINE ROOM. OUTDOOR UNIT SHOULD BE INSTALLED ABOVE THE SNOW LEVEL. ONLY MESCA SUPPLIED AND APPROVED SNOW GUARD/WIND DEFLECTORS/WINDSCREENS AND ACCESSORIZED FOR PROPER FUNCTIONING OF THE UNIT. REFER TO ROOF PLAN.
14. WIRELESS WALL MOUNTED REMOTE CONTROL IN THE MACHINE ROOM ELEVATOR MACHINE ROOM. EXACT LOCATION TO BE COORDINATED.
15. SUPPLY AND INSTALL ACOUSTIC TRANSFER DUCT HIGH UP IN CEILING SPACE. REFER TO MECHANICAL DETAILS.
16. SUPPLY AND INSTALL NEW ROUND DIFFUSER TYPE "C" AS NOTED ON DRAWING AND SCHEDULE. (TYPICAL FOR ALL)
17. SUPPLY AND INSTALL NEW DUCT MOUNTED SUPPLY AIR GRILLE TYPE "D" AS NOTED ON DRAWING AND SCHEDULE. (TYPICAL FOR ALL)
18. SUPPLY AND INSTALL NEW [illegible]
19. SUPPLY AND INSTALL THERMOSTAT FOR ROOF TOP UNIT ON THE ROOF AS SHOWN. PROVIDE THERMAL INSULATED MOUNTING PAD WHEN THERMOSTAT IS ON EXTERIOR WALL.
20. SUPPLY AND INSTALL THERMOSTAT FOR [illegible] UNIT ON THE ROOF AS SHOWN. PROVIDE THERMAL INSULATED MOUNTING PAD WHEN THERMOSTAT IS ON EXTERIOR WALL.
21. CONNECT DISHWASHER EXHAUST DUCTWORK ON TOP TO DISHWASHER EXHAUST HOOD. VERIFY EXACT LOCATION AND SIZE ON SITE.
22. INSTALL KITCHEN EXHAUST HOOD SUPPRESSION SYSTEM. PROVIDE FIRE SUPPRESSION SYSTEM IN ACCORDANCE WITH NFPA 96, REFER TO FIRE SUPPRESSION DETAIL IN M13.1FOR FURTHER DETAILS.
23. FIRE RATED (NFPA-96) KITCHEN EXHAUST FAN C/W [illegible] HOOD CONNECTED TO EXHAUST FAN EF-A .
24. SUPPLY AND INSTALL 12" DIAMETER VENT FOR PIZZA OVEN AND ROOF. VERIFY LOCATION AND CONNECTION TO PIZZA OVEN ON SITE.
25. 16" DIAMETER FLEXIBLE DUCT TO BE CONNECTED TO BULK HEAD EXHAUST HOOD DIFFUSER AS SHOWN. AIR BALANCE EVENLY AS SHOWN. TYPICAL FOR 4.
26. SUPPLY AND INSTALL EXHAUST DUCTWORK AND [illegible] FAN C/W [illegible] WITH A CAPACITY OF 200 CFM. EXACT LOCATION TO BE VERIFIED ON SITE.

CEILING PLAN NOTES

1. READ ARCHITECTURAL DRAWINGS IN CONJUNCTION WITH ALL OTHER CONSULTANTS DRAWINGS. WORK BETWEEN TRADES SHALL BE COORDINATED PRIOR TO PROCEEDING WITH CONSTRUCTION.
2. REFER TO ARCHITECTURAL DRAWINGS A2.2.
3. FOR ELECTRICAL LIGHTING FIXTURES, REFER TO ELECTRICAL DRAWINGS.
4. FOR SUPPLY AND RETURN AIR, REFER TO MECHANICAL DRAWINGS.
5. ALL EXISTING DIMENSIONS ARE PLUS/MIUNS. CONTRACTOR TO VERIFY DIENSIONS FOR EXISTING BUILDING PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCY.
6. GENERAL CONTRACTOR TO CONNECT ALL PROPOSED MECHANICAL EQUIPMENT AS PERFECTO ENGINEERS' DRAWINGS.
7. GENERAL CONTRACTOR TO INSTALL EMERGENCY/EXIT LIGHTING AS PER ELECTRICAL DRAWINGS.
8. GENERAL CONTRACTOR TO INSPECT AND ENSURE ALL EXISTING EMERGENCY/EXIT LIGHTS ARE IN GOOD WORKING CONDITION. TO BE REPLACED AS REQUIRED.
9. CONTRACTOR TO PROVIDE ARCHITECT/ELECTRICAL CONSULTANT WITH AN ENGINEERED TESTING AND BALANCE REPORT.
10. GENERAL CONTRACTOR TO HAVE EXISTING FIRE ALARM SYSTEM VERIFIED AND PROVIDE A CERTIFICATE TO THE ARCHITECT / ELECTRICAL CONSULTANTS, BUILDING DEPARTMENT AND FIRE DEPARTMENT.
11. ALL SPRINKLER WORK MUST MEET THE REQUIREMENT OF NFPA 13, BUILDING CODE AND LOCAL AUTHORITIES HAVING JURISDICTION. CONTRACTOR TO SUBMIT STAMPED ENGINEERED SHOP DRAWINGS, CALCULATIONS ETC., FOR REVIEW BY MECHANICAL ENGINEER.

CEILING PLAN LEGEND & NOTES

- CL-1 — 2' x 4' ACOUSTIC TILE CEILING ON SUSPENDED T-BAR GRID SYSTEM
- CL-2 — SUSPENDED GYPSUM CEILING
- CL-3 — ACOUSTIC PANEL
- 2' x 2' RECESSED LIGHT
- SUSPENDED LINEAR LIGHT: CEILING MOUNTED LED
- RECESSED LIGHT
- CYLINDRICAL POT LIGHT
- PENDANT LIGHT #1
- PENDANT LIGHT #2 (BAR AREA)
- EXISTING SPRINKLER HEAD
- NEW SPRINKLER HEAD (REFER TO FIRE PROTECTION DRAWINGS)
- SUPPLY AIR SQUARE DIFFUSER - REFER TO MECH. DRAWINGS
- RED LIGHT (WALL MOUNTED)

THOMAS A. FEKETE LIMITED
7181 WOODBINE AVE UNIT 229
MARKHAM ONTARIO L3R 1A3
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No.	Date:	Issued/Revised:	By
3	APR 17/2025	PROGRESS SET #2	AL
2	MAR 28/2025	PROGRESS SET	AL
1	FEB 26/2025	ISSUED FOR CLIENT COORDINATION	AL

Client:

FIREARMS OUTLET CANADA

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Project :

FIREARMS OUTLET CANADA

FIREARMS OUTLET CANADA
725 WESTNEY RD. S.,
AJAX, ON L1S 7J7

725 WESTNEY ROAD SOUTH,
AJAX, ONTARIO L1S 7J7

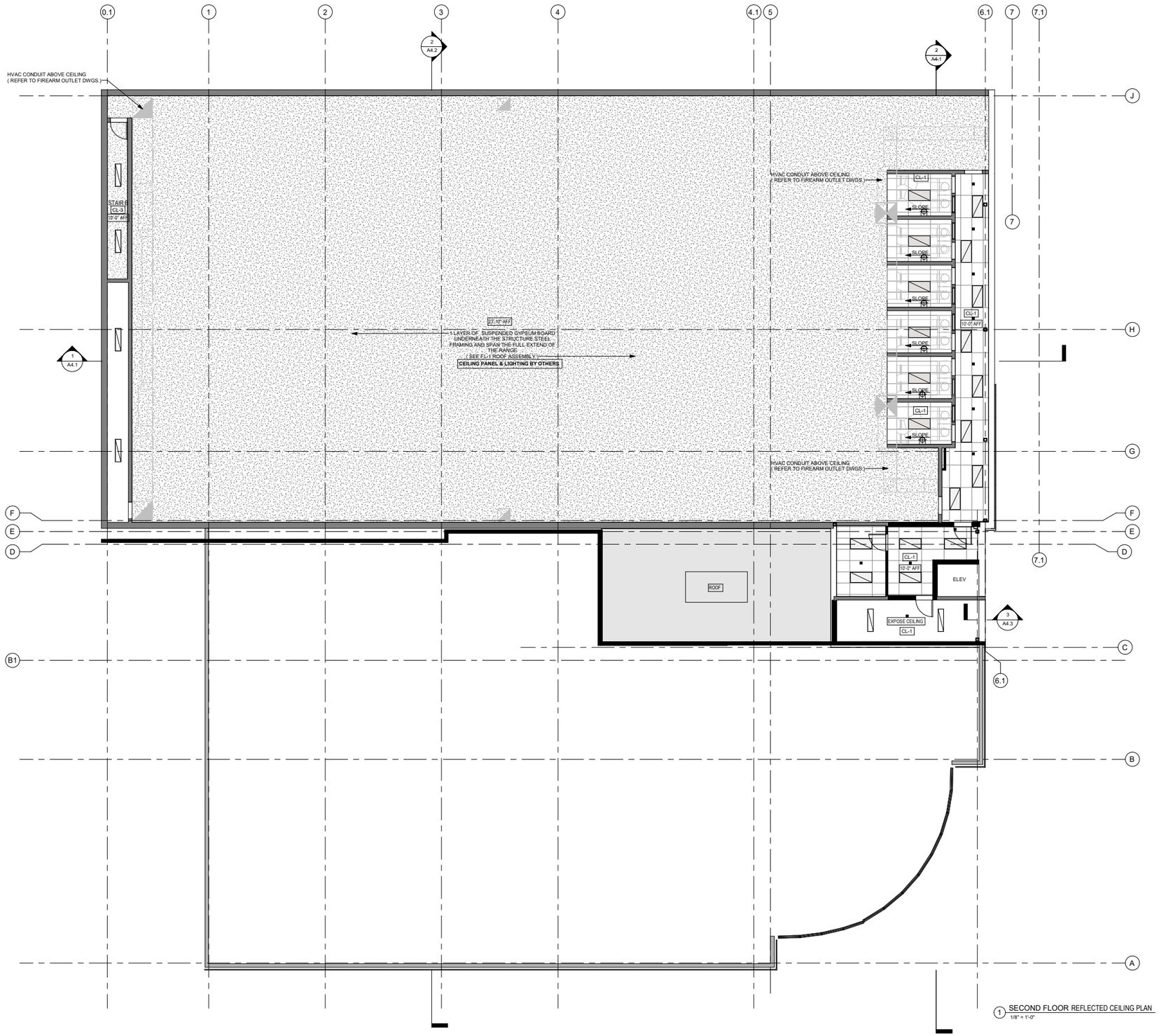
Drawing Name :

REFLECTED CEILING PLAN - GROUND FLOOR

GROUND FLOOR HVAC PLAN

Scale :	As indicated	Project No :	00026
Drawn by :	Author	Date	JAN 2025
Checked by :	Checker	Scale :	AS NOTED
Drawn by :	AL	Project No :	25016
Checked by :	BZ	Drawing No :	M-5

Drawing No : A2.5



1 SECOND FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"

CEILING PLAN NOTES

1. READ ARCHITECTURAL DRAWINGS IN CONJUNCTION WITH ALL OTHER CONSULTANTS' DRAWINGS. WORK BETWEEN TRADES SHALL BE COORDINATED PRIOR TO PROCEEDING WITH CONSTRUCTION.
2. FOR OVERALL FLOOR PLANS, REFER TO DRAWINGS A2.2.
3. FOR ELECTRICAL LIGHTING FIXTURES, REFER TO ELECTRICAL DRAWINGS.
4. FOR SUPPLY AND RETURN AIR, REFER TO HVAC/MECHANICAL DRAWINGS.
5. ALL EXISTING DIMENSIONS ARE PLUS/MIUNS. CONTRACTOR TO VERIFY DIENSIONS FOR EXISTING BUILDING PRIOR TO CONSTRUCTION.
6. GENERAL CONTRACTOR TO CONNECT ALL PROPOSED SUPPLY/RETURN AIR DIFFUSER TO EXISTING DUCT WORK SYSTEM. MAKE GOOD ALL ADJACENT SURFACES.
7. GENERAL CONTRACTOR TO INSTALL EMERGENCY/EXIT LIGHTING AS PER ELECTRICAL DRAWINGS.
8. GENERAL CONTRACTOR TO INSPECT AND ENSURE ALL EXISTING EMERGENCY/EXIT LIGHTS ARE IN GOOD WORKING CONDITION. REPLACE BATTERY PACK AS REQUIRED.
9. CONTRACTOR TO PROVIDE ARCHITECT/ELECTRICAL CONSULTANT WITH AN EMERGENCY LIGHTING TEST REPORT.
10. GENERAL CONTRACTOR TO HAVE EXISTING FIRE ALARM SYSTEM VERIFIED AND PROVIDE A CERTIFICATE TO THE ARCHITECT / ELECTRICAL CONSULTANTS, BUILDING DEPARTMENT AND FIRE DEPARTMENT.
11. ALL SPRINKLER WORK MUST MEET THE REQUIREMENT OF NFPA 13, BUILDING CODE AND LOCAL AUTHORITIES HAVING JURISDICTION. CONTRACTOR TO SUBMIT STAMPED ENGINEERED SHOP DRAWINGS, CALCULATIONS ETC., FOR REVIEW BY MECHANICAL ENGINEER.

CEILING PLAN LEGEND & NOTES

- CL-1 — 2' x 4' ACOUSTIC TILE CEILING ON SUSPENDED T-BAR GRID SYSTEM
- CL-2 — SUSPENDED GYPSUM CEILING
- CL-3 — ACOUSTIC PANEL
- 2' x 2' RECESSED LIGHT
- SUSPENDED LINEAR LIGHT: CEILING MOUNTED LED
- RECESSED LIGHT
- CYLINDRICAL POT LIGHT
- PENDANT LIGHT #1
- PENDANT LIGHT #2 (BAR AREA)
- EXISTING SPRINKLER HEAD
- NEW SPRINKLER HEAD (REFER TO FIRE PROTECTION DRAWINGS)
- SUPPLY AIR SQUARE DIFFUSER - REFER TO MECH. DRAWINGS
- RED LIGHT (WALL MOUNTED)

No.	Date:	Issued/Revision:	By

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Project :

FIREARMS OUTLET CANADA

725 WESTNEY RD. S.,
AJAX, ON L1S 7J7

Drawing Name :

REFLECTED CEILING PLAN - SECOND FLOOR

Scale :	As indicated	Project No :	00026
Drawn by :	Author	Drawing No :	A2.6
Checked by :	Checker		

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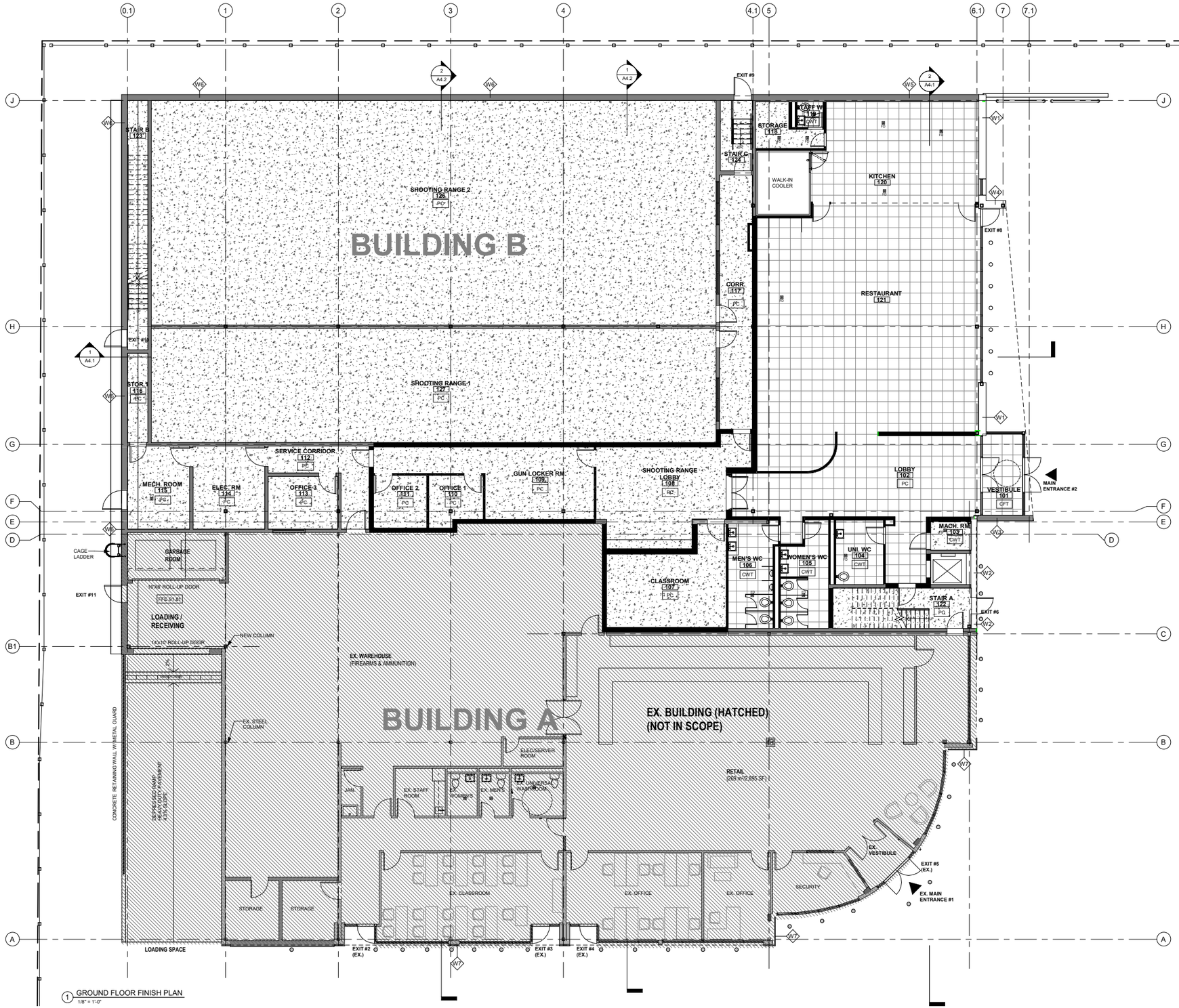

1 GROUND FLOOR FINISH PLAN
1/8" = 1'-0"

FLOOR FINISH LEGEND

GRAPHICS	TYPE MARKS	FINISH MATERIALS
	PC	POLISHED CONCRETE
	CFT	24"X24" CERAMIC TILE
	CWT	8" X20" BONE BRIGHT
⊠	FD	FLOOR DRAIN

FLOOR FINISH NOTES

1. FOR GENERAL NOTES AND LEGEND AND WALL TYPES, REFER TO DRAWING A1.2.
2. READ ARCHITECTURAL DRAWINGS IN CONJUNCTION WITH ALL OTHER CONSULTANTS' DRAWINGS. WORK BETWEEN TRADES SHALL BE COORDINATED PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. PROVIDE ALUMINUM TRANSITION STRIPS TYPICIALLY AT LOCATIONS OF DIFFERING FLOOR FINISH LEVELS AS REQUIRED.
4. ALL FLOOR TRANSITION ARE NOT TO EXCEED 13mm IN HEIGHT TYPICALLY. FEATHER EDGES WITH CONCRETE TOPPING LOCALLY TO SUIT, AND TO ENSURE FLOOR FINISHES ARE FLUSH.
5. FOR FLOOR DRAIN LOCATIONS REFER TO MECHANICAL DDRAWINGS TYPICAL.
6. FOR ROOM FINISH SCHEDULE, REFER TO DAWING A4.1.

No.	Date:	Issued/Revision:	By

Client:

FIREARMS OUTLET CANADA

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Project :

FIREARMS OUTLET CANADA

725 WESTNEY RD. S.,
AJAX, ON L1S 7J7

Drawing Name :

FLOOR FINISH PLAN - GROUND FLOOR

Scale :	As indicated	Project No :	00026
Drawn by :	Author	Drawing No :	A2.7
Checked by :	Checker		

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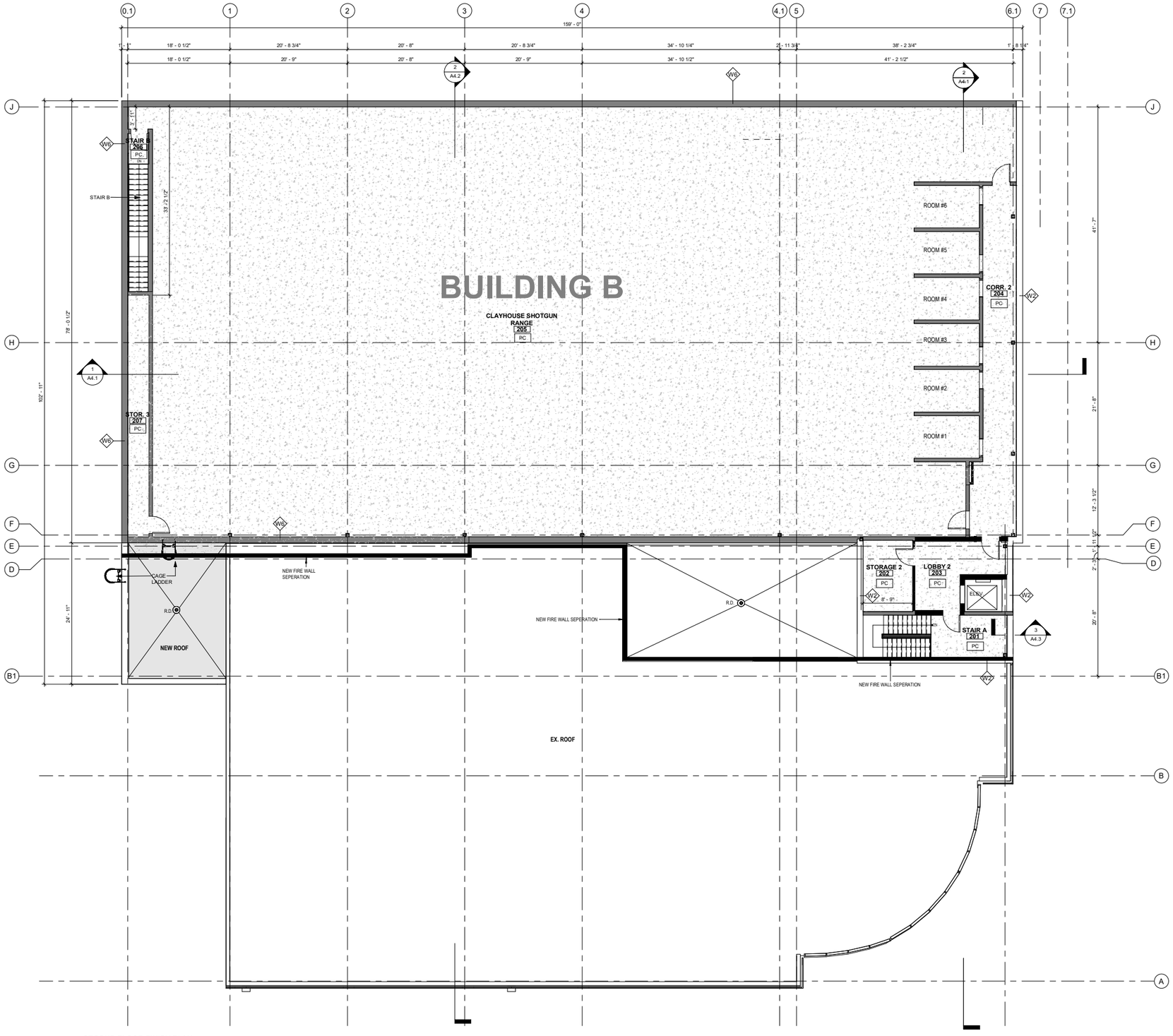

1 SECOND FLOOR FINISH PLAN
1/8" = 1'-0"

FLOOR FINISH NOTES

1. FOR GENERAL NOTES AND LEGEND AND WALL TYPES, REFER TO DRAWING A1.2.
2. READ ARCHITECTURAL DRAWINGS IN CONJUNCTION WITH ALL OTHER CONSULTANTS' DRAWINGS. WORK BETWEEN TRADES SHALL BE COORDINATED PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. PROVIDE ALUMINUM TRANSITION STRIPS TYPCIALLY AT LOCATIONS OF DIFFERING FLOOR FINISH LEVELS AS REQUIRED.
4. ALL FLOOR TRANSITION ARE NOT TO EXCEED 13mm IN HEIGHT TYPICALLY. FEATHER EDGES WITH CONCRETE TOPPING LOCALLY TO SUIT, AND TO ENSURE FLOOR FINISHES ARE FLUSH.
5. FOR FLOOR DRAIN LOCATIONS REFER TO MECHANICAL DDRAWINGS TYPICAL.
6. FOR ROOM FINISH SCHEDULE, REFER TO DAWING A4.1.

FLOOR FINISH LEGEND

GRAPHICS	TYPE MARKS	FINISH MATERIALS
	PC	POLISHED CONCRETE
	CFT	24"X24" CERAMIC TILE
	CWT	8" X20" BONE BRIGHT
⊠	FD	FLOOR DRAIN

No.	Date:	Issued/Revision:	By

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Project :

FIREARMS OUTLET CANADA

725 WESTNEY RD. S.,
AJAX, ON L1S 7J7

Drawing Name :

FLOOR FINISH PLAN - SECOND FLOOR

Scale :	As indicated	Project No :	00026
Drawn by :	Author	Drawing No :	A2.8
Checked by :	Checker		

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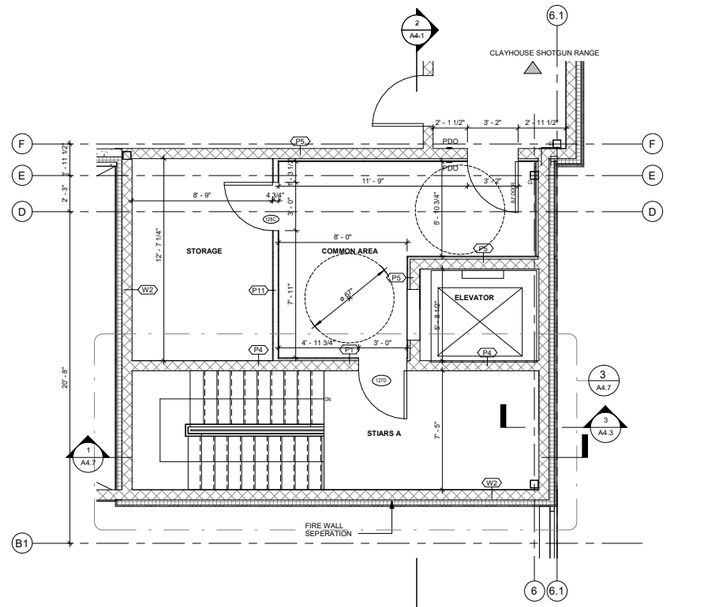
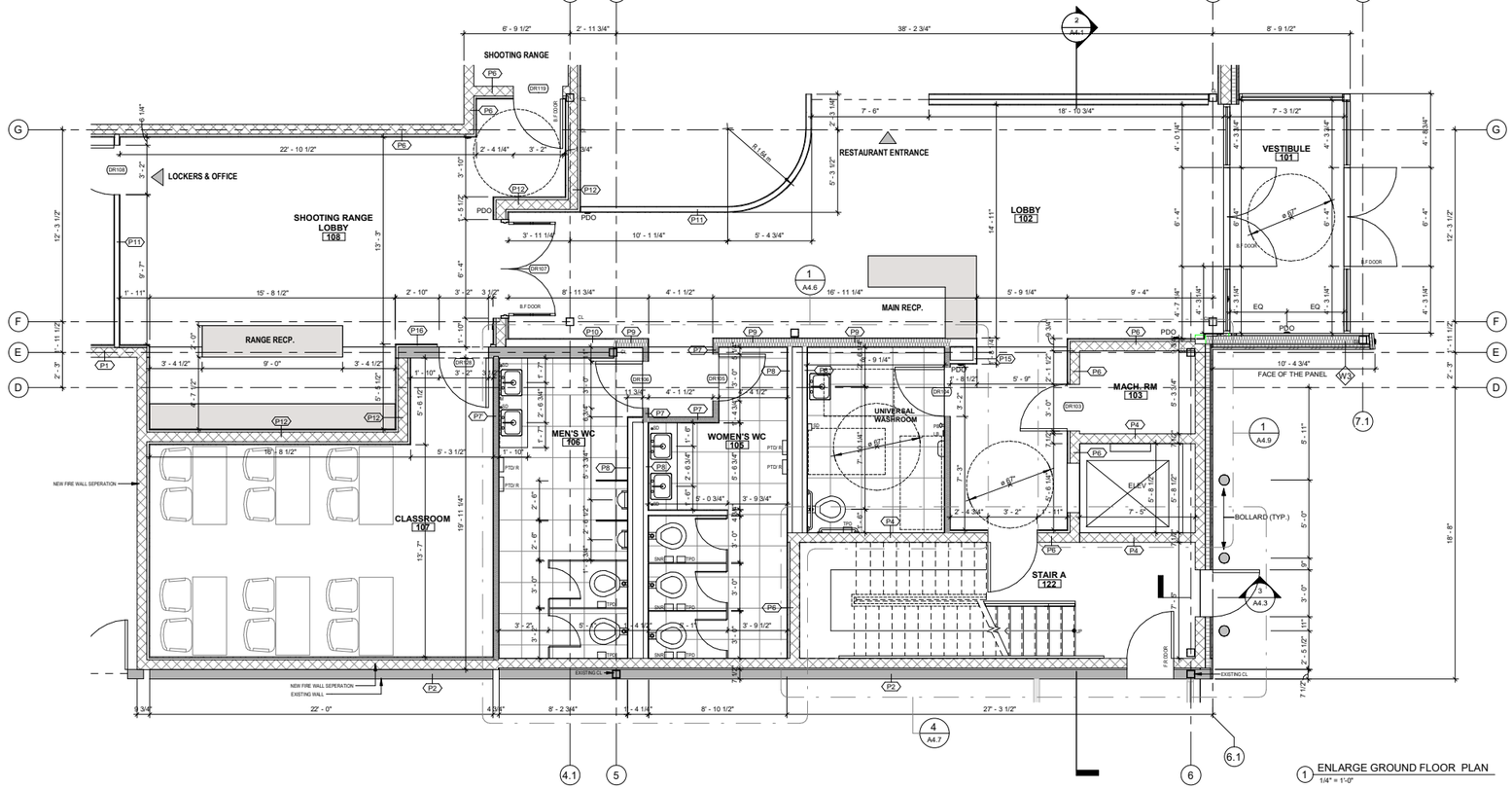


2 ENLARGE SECOND FLOOR PLAN
1/4" = 1'-0"



1 ENLARGE GROUND FLOOR PLAN
1/4" = 1'-0"

ABBREVIATIONS

TPD	TOILET PAPER DISPENSER
SND	SANITARY NAPKIN DISPENSER
PB	PUSH BUTTON
PDO	POWER DOOR OPERATION
PTD/R	PAPER TOWEL DISPENSER/ RECEPTACLE
SNR	SANITARY NAPKIN RECEPTACLE
SD	SOAP DISPENSER
MIR	MIRROR
CH	COAT HOOK
GB	GRAB BARS
WC	FLOOR MOUNTED WATER CLOSET
UP	URINAL PARTITION
U	URINAL
TP	TOILET PARTITION
LAV	LAVATORY

NOTE

1. FOR GENERAL NOTES AND LEGEND AND WALL TYPES, REFER TO DRAWING A1.2.
2. READ ARCHITECTURAL DRAWINGS IN CONJUNCTION WITH ALL OTHER INTERFACE DISCIPLINE DRAWINGS (CIVIL, STRUCTURAL, PLUMBING, HVAC, MECHANICL AND ELECTRICAL) AND PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. FOR ADDITIONAL INTERIOR WALL DETAILS OF FINSHES, REFER TO SPECIFIC INTERIOR BUILDING ELEVATIONS.

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Project :

FIREARMS OUTLET CANADA

725 WESTNEY RD. S.,
AJAX, ON L1S 7J7

Drawing Name :

ENLARGE FLOOR PLAN

Scale :	As indicated	Project No :	00026
Drawn by :	Author	Drawing No :	A2.9
Checked by :	Checker		

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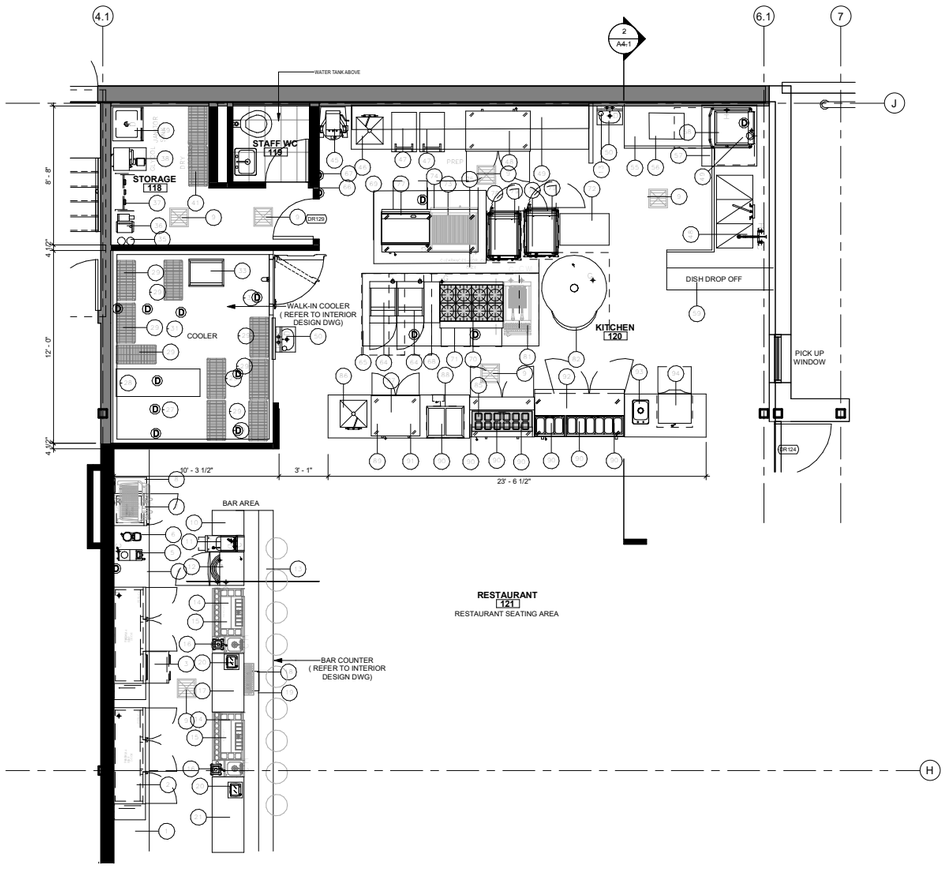


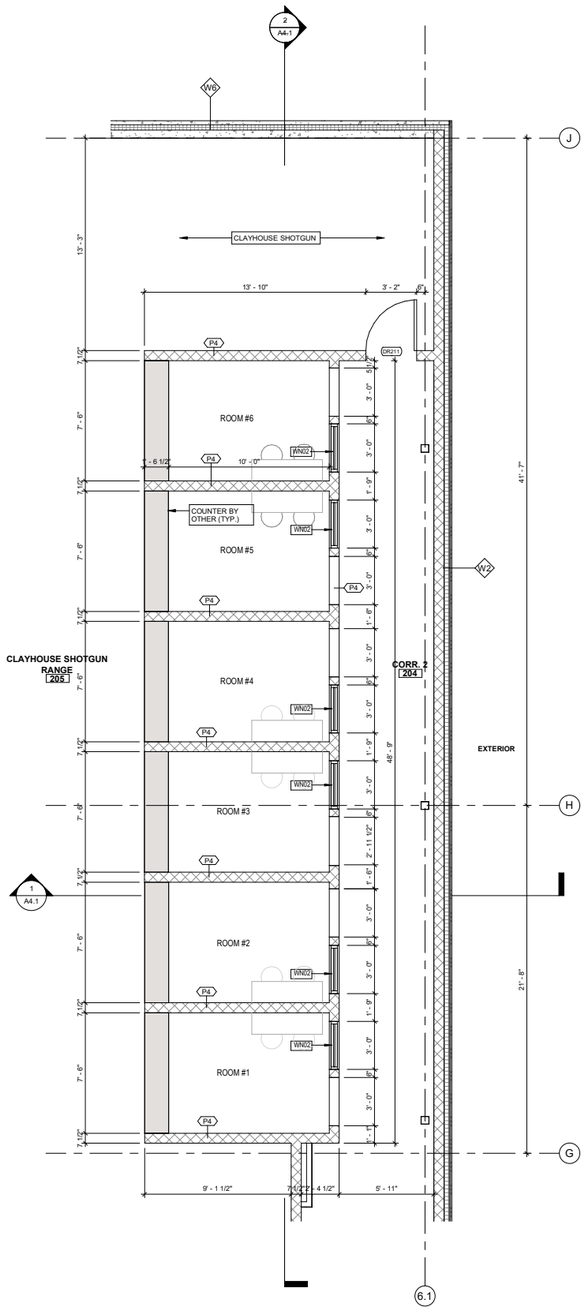
1 ENLARGE KITCHEN LAYOUT PLAN
1/4" = 1'-0"

BAR AREA LIST	
1	BACK BAR COUNTER AND TOP
2	3 DOOR BEVEREGE COOLER
3	2 DOOR 2 DRAWERS WINE COOLER
4	190 LBS ICE MAKER C/W BIN
5	POUR OVER COFFEE MAKER AND HOT WATER DISPENSER
6	GRINDER
7	TRADICTIONAL 2 HEAD ESPRESSO MACHINE
8	1 DOOR UNDERCOUNTER COOLER
9	FLOOR DRAIN
10	UNDER BAR STORAGE CABINET
11	HAND SINK
12	GLASSWASHER
13	FRONT BAR COUNTER
14	PO GUN
15	COCKTAIL MIX UNIT
16	BLENDER
17	UNDER BAR STORAGE CABINET
18	5 HEAD DEER DISPENSING TOWER
19	DRIP TRAY C/W RINSER

KITCHEN AREA LIST	
27	WALK IN COOLER (BEER)
28	KEG RACK
29	COLD STORAGE SHELVING
31	WALK IN FREEZER
32	WALK IN COOLER
33	MOBILE RACK
35	CO2 TANKS
36	CARBONATOR
37	POP RACK
38	BEER SYSTEM GLYCOL
39	JANITOR CLOSET
41	DRY STORAGE SHELVING
45	FLOOR DOUGH MIXER
46	SIS WORK COUNTER C/W COMP PREP SINK
47	INGREDIENT BINS
48	2 DOOR UNDER COUNTER COOLER

KITCHEN AREA LIST	
49	DOUBLE WALL SHELF
50	HAND SINK WALL MOUNTED
55	CLEAN DISHTABLING
56	GREASE INTERCEPTOR
57	VAPOUR HOOD
58	HIGH TEMP DISHWASHER
59	"L" SHAPPED SOILED DISHTABLING C/W 3 COMP SINK
64	FRYERS GAS
65	EXHAUST HOOD
66	FIRE SUPPRESSION (65)
67	FIRE SUPPRESSION (69)
68	SPREADER TABLE
69	EXHUAST HOOD
70	SALAMANDER BOILER
71	8 BURNER RANGE
72	12" S/S TABLE
73	36" CHAR- BROILER
74	72" CHEF BASE
75	S/S SERVICE HALF WALL
77	36" GRIDDLE
78	VECTOR OVEN C/W STAND
79	COOK AND HOLD
81	PASTA COOKER
82	PIZZA OVEN
85	REFERIGERATED PREP TABLE
86	WORK COUNTER C/W UTILITY SINK
87	2 DOOR UNDERCUNTER FREEZER
88	2 WEL DROP IN HOT FOOD WELLS
89	FRONT COUNTER
90	HEAT LAMPS
91	OVERSHELF
92	PIZZA PREP TABLE
93	S/S COUNTER C/W HAND SINK
94	3 DRAWERS HOT HOLDING CABINET

NOTE:
DETAIL FOR INTERIOR FINISHES REFER TO INTERIOR DESIGN DRAWING



2 CLAYHOUSE ROOM ENLARGE ROOM PLAN
1/4" = 1'-0"

NOTE

1. FOR GENERAL NOTES AND LEGEND AND WALL TYPES, REFER TO DRAWING A1.2.
2. READ ARCHITECTURAL DRAWINGS IN CONJUNCTION WITH ALL OTHER INTERFACE DISCIPLINE DRAWINGS (CIVIL, STRUCTURAL, PLUMBING, HVAC, MECHANICL AND ELECTRICAL) AND PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. FOR ADDITIONAL INTERIOR WALL DETAILS OF FINSHES, REFER TO SPECIFIC INTERIOR BUILDING ELEVATIONS.

No.	Date:	Issued/Revision:	By

Client:

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Project :

FIREARMS OUTLET CANADA

725 WESTNEY RD. S.,
AJAX, ON L1S 7J7

Drawing Name :

ENLARGED FLOOR PLAN

Scale :	As indicated	Project No :	00026
Drawn by :	Author	Drawing No :	A2.10
Checked by :	Checker		

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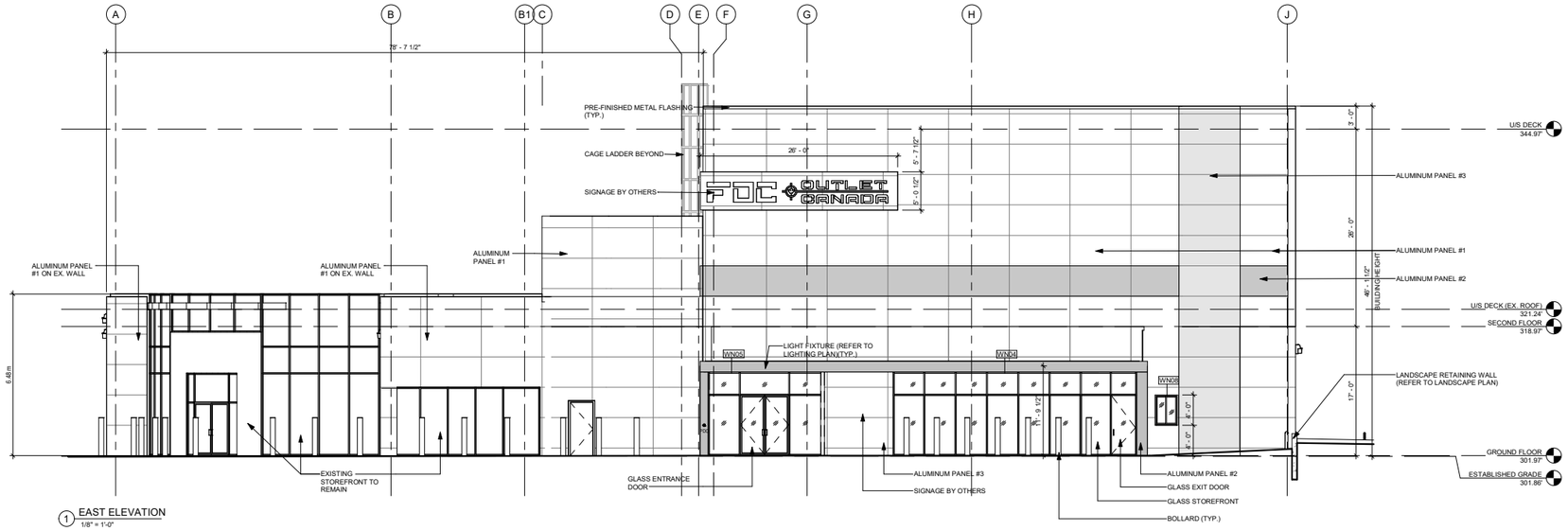
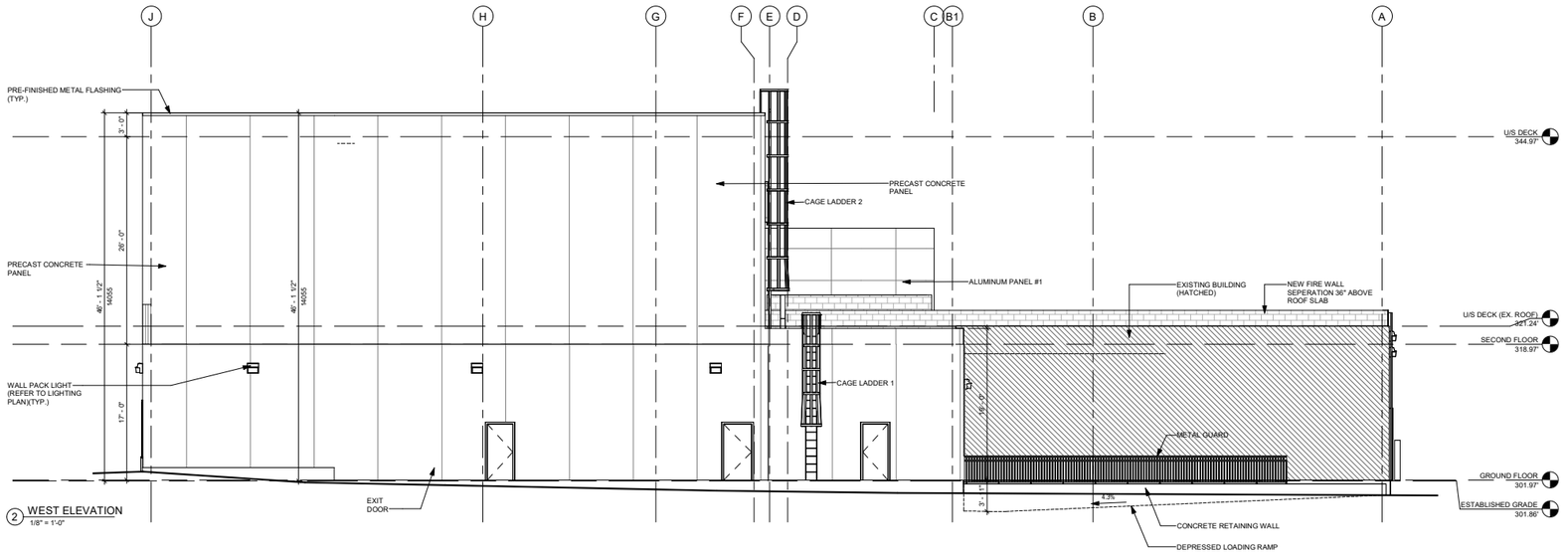


1 EAST ELEVATION
1/8" = 1'-0"



2 WEST ELEVATION
1/8" = 1'-0"

EXTERIOR WALL FINISH SCHEDULE			
PRECAST CONCRETE PANEL IN LIGHT GREY **PROFORM CONCRETE**	ALUMINUM PANEL #1 **ALPOLIC** ALUMINUM COMPOSITE PANEL OPT MICA PLATINUM	ALUMINUM PANEL #2 **ALPOLIC** ALUMINUM COMPOSITE PANEL CNC CHARCOAL	ALUMINUM PANEL #3 **ALPOLIC** ALUMINUM COMPOSITE PANEL MFL MAPLE
* IMAGE FOR REFERENCE ONLY	* IMAGE FOR REFERENCE ONLY	* IMAGE FOR REFERENCE ONLY	* IMAGE FOR REFERENCE ONLY

Bird Friendly Design	Required	Proposed
Sum of total area of glazing on all elevation within 16 to 20m above grade (m^2)		0
Sum of total area of treated glazing on all elevations (minimum 90% of total area of glazing within 16-20m above grade) with visual markers (m^2)		0

No.	Date:	Issued/Revision:	By
8	03/19/2025	ISSUED FOR SPA	HW
7	01/13/2025	ISSUED FOR REVIEW	HW
6	06/21/2024	ISSUED FOR PRE-CON PHASE II	HW
5	06/17/2024	ISSUED FOR REVIEW	HW
4	12/19/2023	ISSUED FOR REVIEW	HW
3	12/18/2023	ISSUED FOR COORDINATION	HW
2	12/08/2023	ISSUED FOR REVIEW	HW
1	08/10/2023	ISSUED FOR REVIEW	HW

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Project :

FIREARMS OUTLET CANADA

725 WESTNEY RD. S.,
AJAX, ON L1S 7J7

Drawing Name :

BUILDING ELEVATIONS

Scale :	As indicated	Project No :	00026
Drawn by :	ZC	Drawing No :	A3.1
Checked by :	HW		

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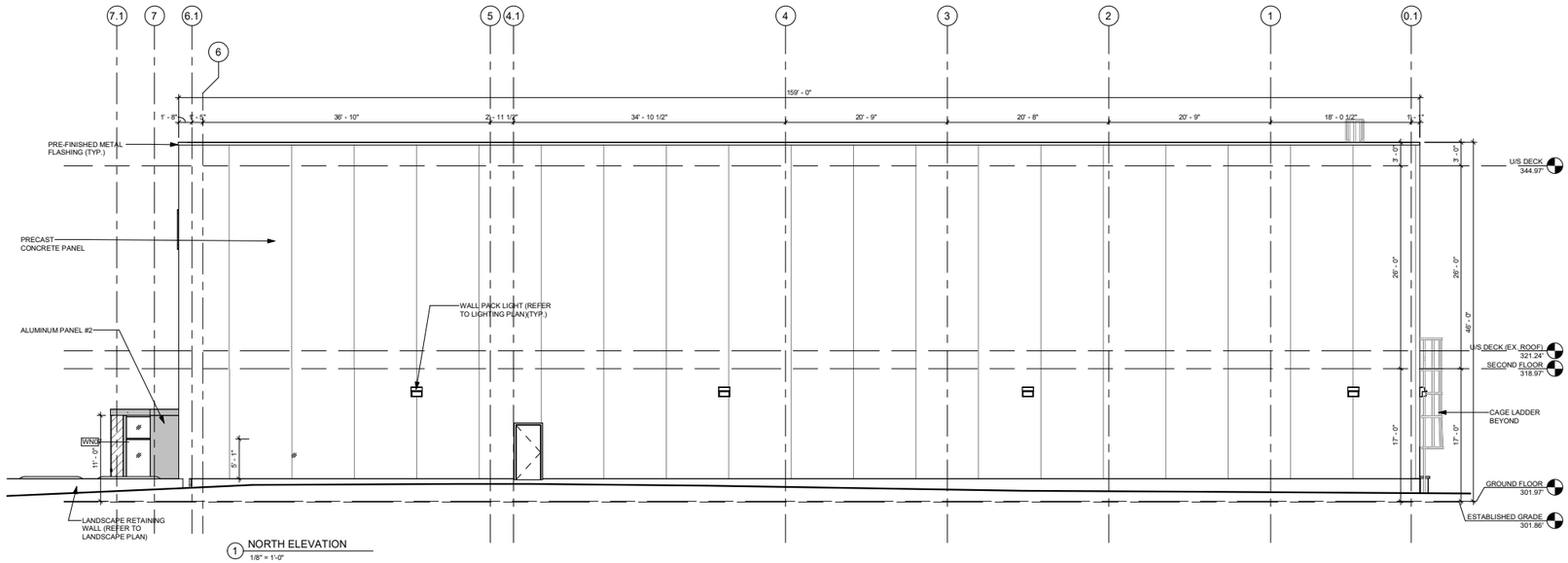
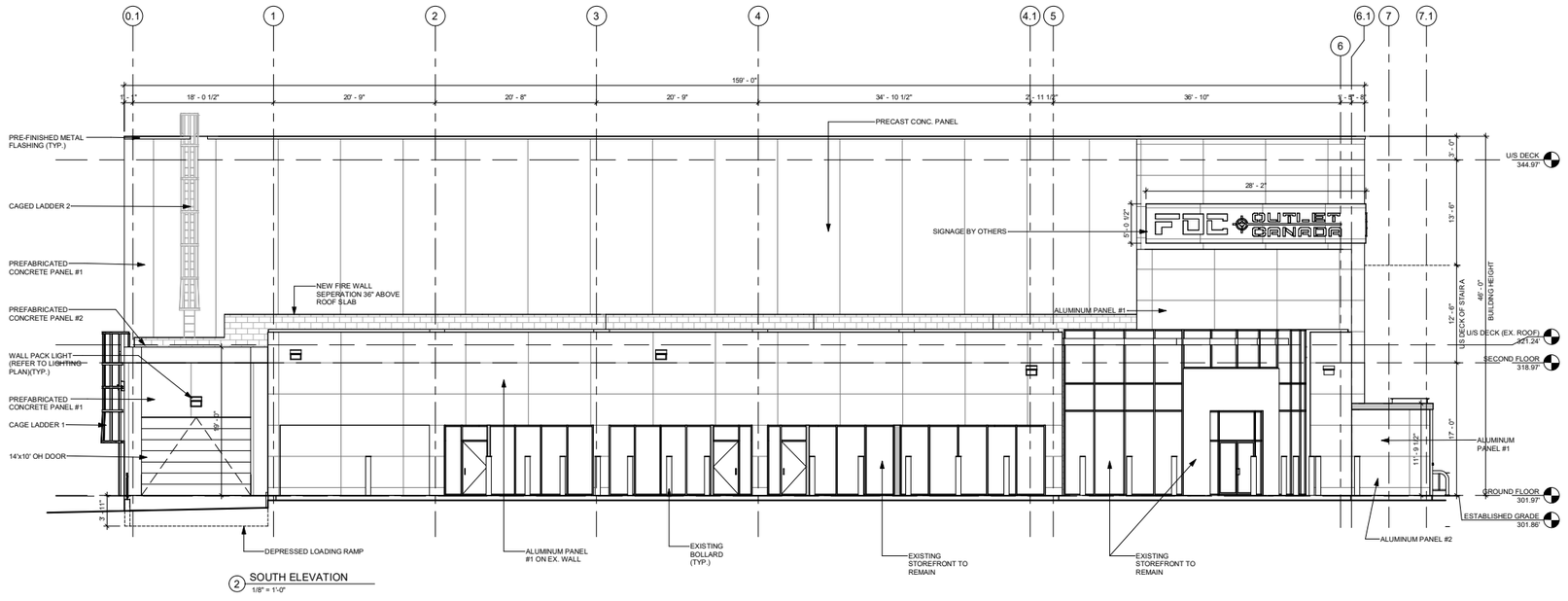


1 NORTH ELEVATION
1/8" = 1'-0"



2 SOUTH ELEVATION
1/8" = 1'-0"

EXTERIOR WALL FINISH SCHEDULE

PRECAST CONCRETE PANEL IN LIGHT GREY	ALUMINUM PANEL #1	ALUMINUM PANEL #2	ALUMINUM PANEL #3
PROFORM CONCRETE	**ALPOLIC** ALUMINUM COMPOSITE PANEL OPT MICA PLATINUM	**ALPOLIC** ALUMINUM COMPOSITE PANEL CNC CHARCOAL	**ALPOLIC** ALUMINUM COMPOSITE PANEL MPL MAPLE
* IMAGE FOR REFERENCE ONLY	* IMAGE FOR REFERENCE ONLY	* IMAGE FOR REFERENCE ONLY	* IMAGE FOR REFERENCE ONLY

No.	Date:	Issued/Revision:	By
8	03/19/2025	ISSUED FOR SPA	HW
7	01/13/2025	ISSUED FOR REVIEW	HW
6	06/21/2024	ISSUED FOR PRE-CON PHASE II	HW
5	06/17/2024	ISSUED FOR REVIEW	HW
4	12/19/2023	ISSUED FOR REVIEW	HW
3	12/18/2023	ISSUED FOR COORDINATION	HW
2	12/08/2023	ISSUED FOR REVIEW	HW
1	08/10/2023	ISSUED FOR REVIEW	HW

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Project :

FIREARMS OUTLET CANADA

725 WESTNEY RD. S.,
AJAX, ON L1S 7J7

Drawing Name :

BUILDING ELEVATIONS

Scale :	As indicated	Project No :	00026
Drawn by :	ZC	Drawing No :	A3.2
Checked by :	HW		

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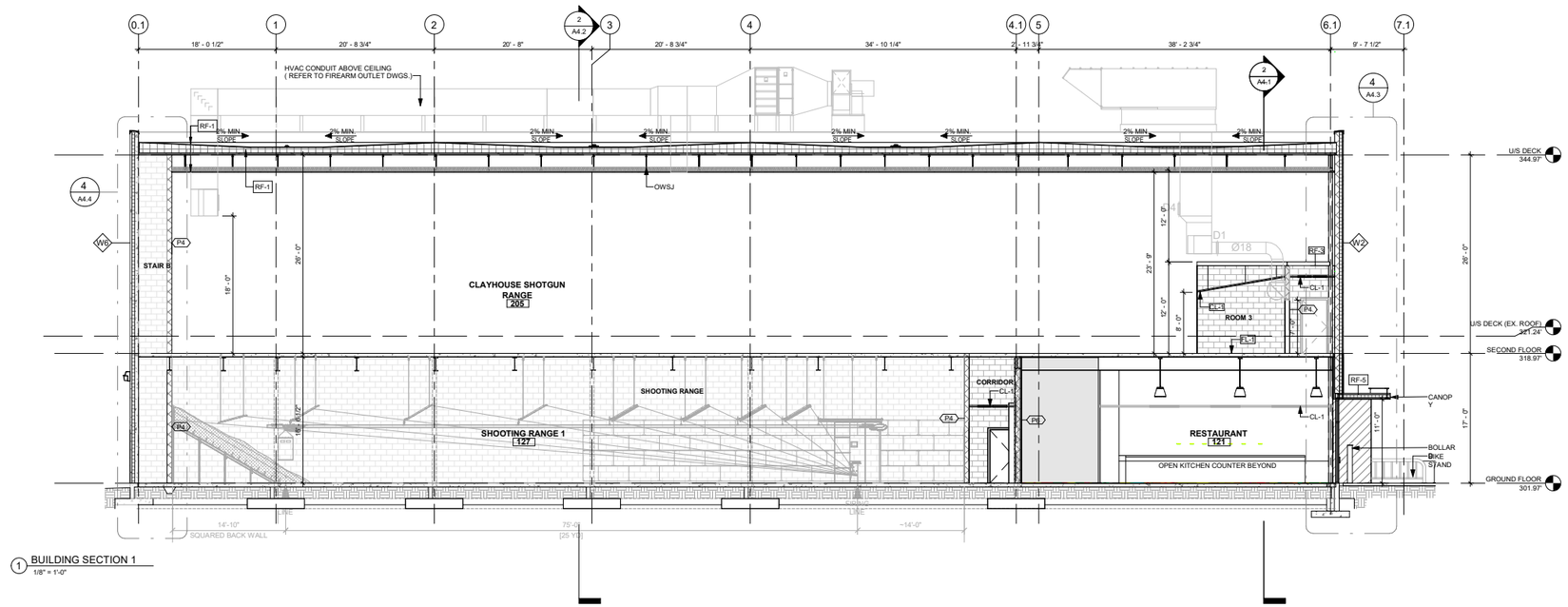
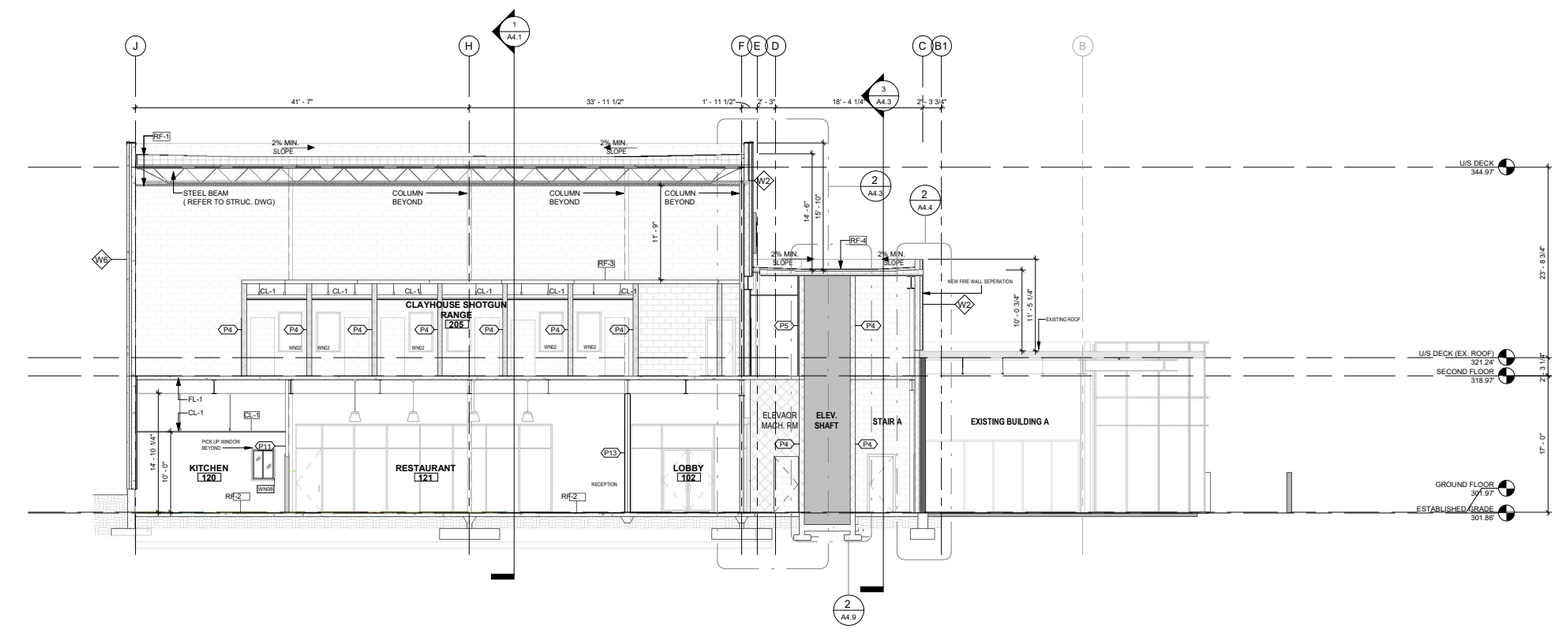


1 BUILDING SECTION 1
1/8" = 1'-0"



2 BUILDING SECTION 2
1/8" = 1'-0"

No.	Date:	Issued/Revision:	By
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3	06/21/2024	ISSUED FOR PRE-CON PHASE II	HW
2	06/17/2024	ISSUED FOR REVIEW	HW
1	12/19/2023	ISSUED FOR REVIEW	HW

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Project :

FIREARMS OUTLET CANADA

725 WESTNEY RD. S.,
AJAX, ON L1S 7J7

Drawing Name :

BUILDING SECTIONS

Scale :	1/8" = 1'-0"	Project No :	00026
Drawn by :	JW	Drawing No :	A4.1
Checked by :	HW		

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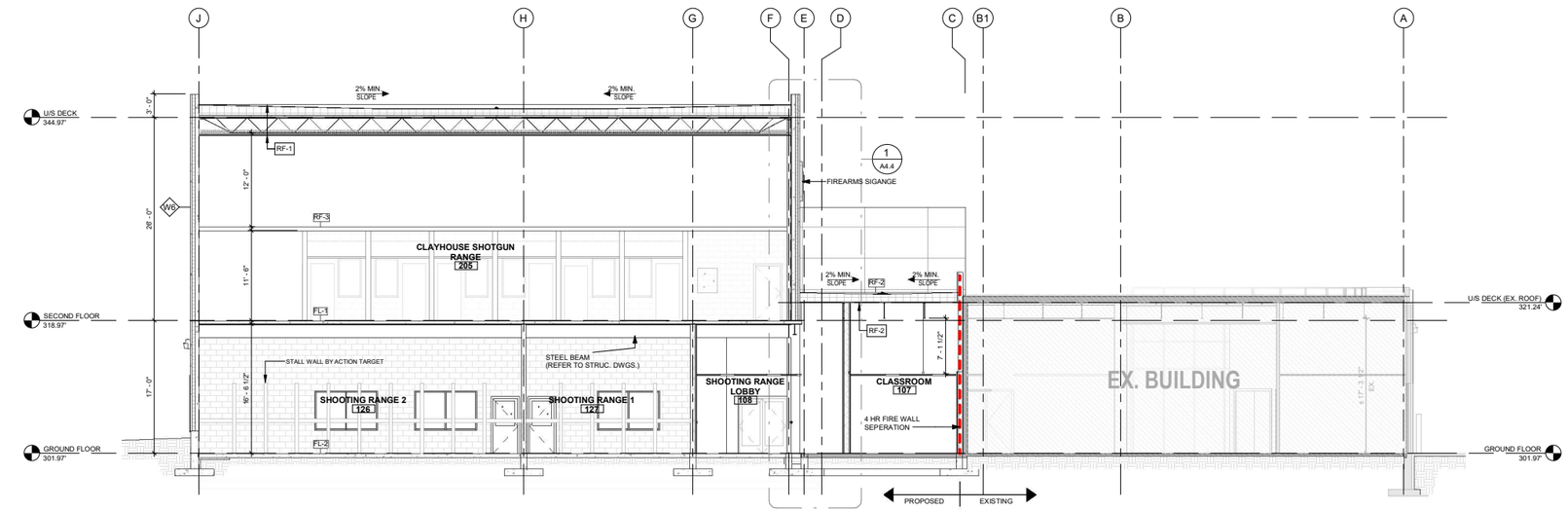
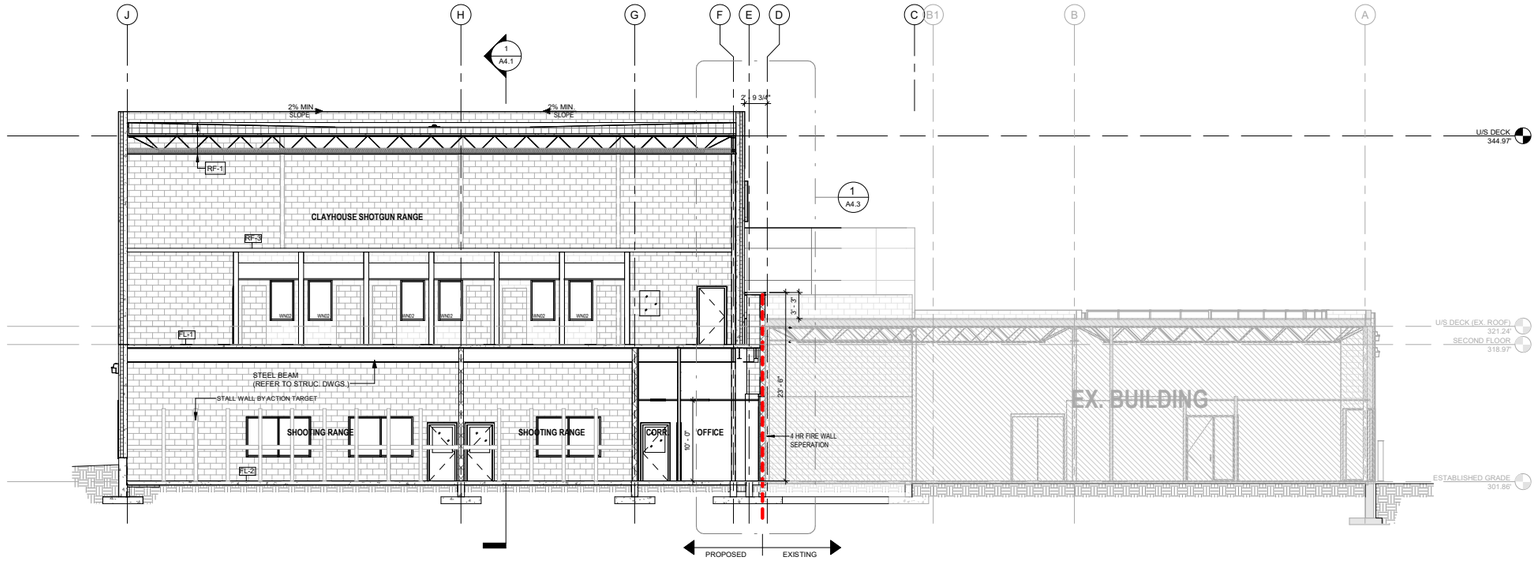


1 BUILDING SECTION 3
1/8" = 1'-0"



2 BUILDING SECTION 4
1/8" = 1'-0"

No.	Date:	Issued/Revision:	By
3	04/21/2024	ISSUED FOR PRE-CON PHASE II	HW
2	04/17/2024	ISSUED FOR REVIEW	HW
1	12/19/2023	ISSUED FOR REVIEW	HW

Client:

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Project :

FIREARMS OUTLET CANADA

725 WESTNEY RD. S.,
AJAX, ON L1S 7J7

Drawing Name :

BUILDING SECTIONS

Scale :	1/8" = 1'-0"	Project No :	00026
Drawn by :	JW	Drawing No :	A4.2
Checked by :	HW		

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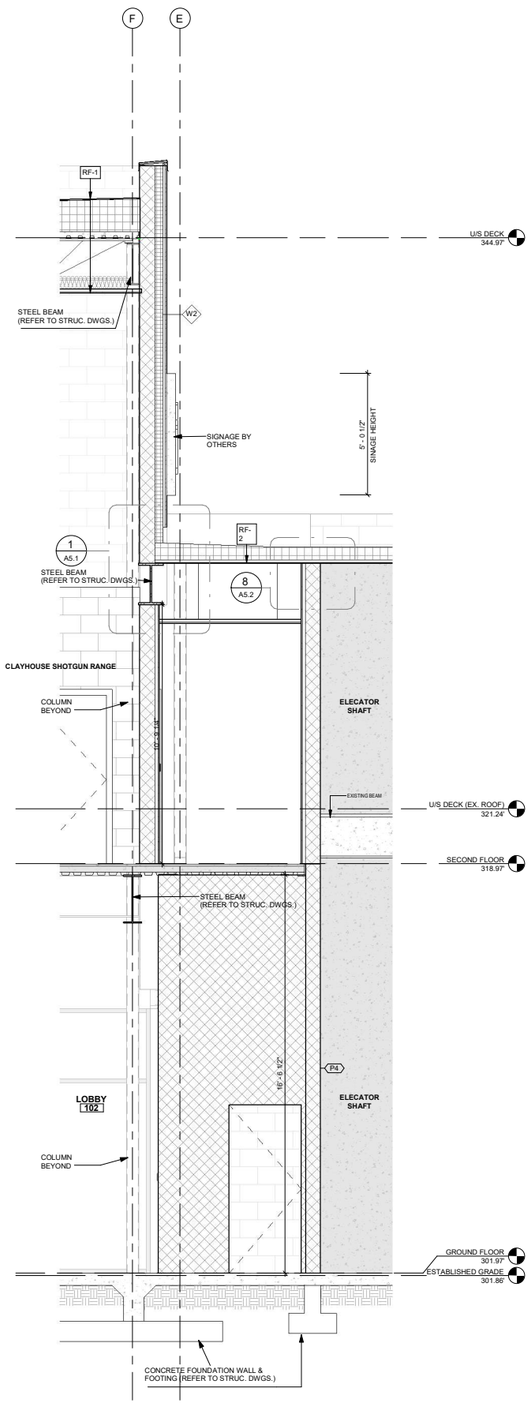
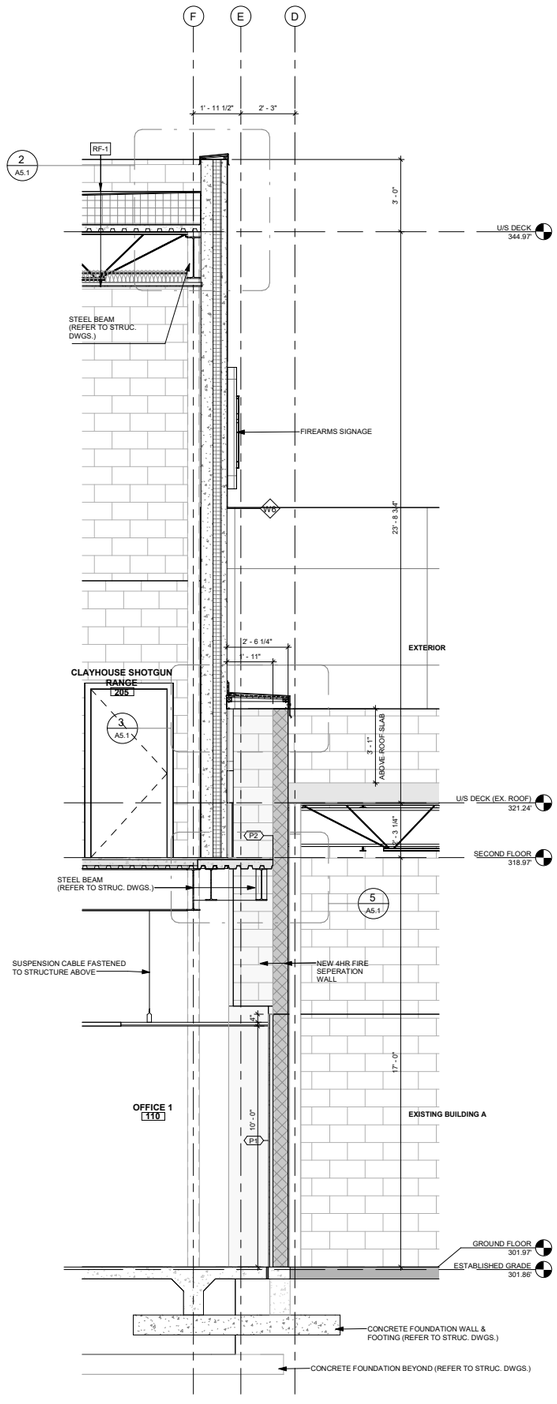
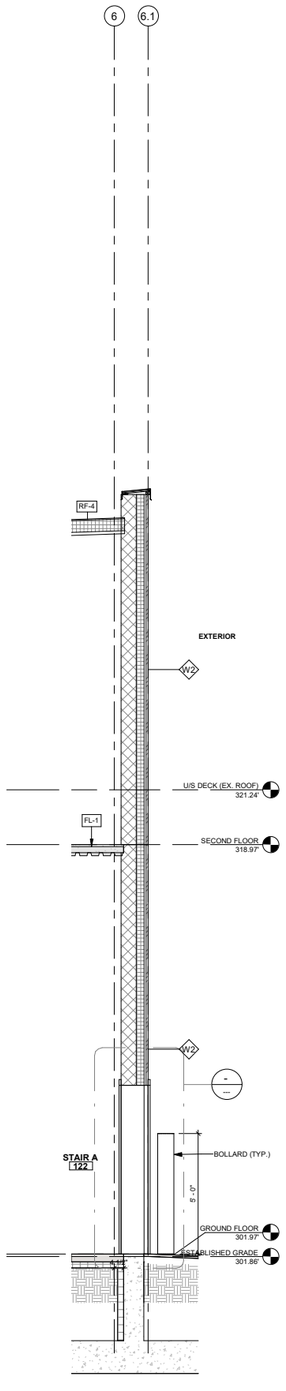


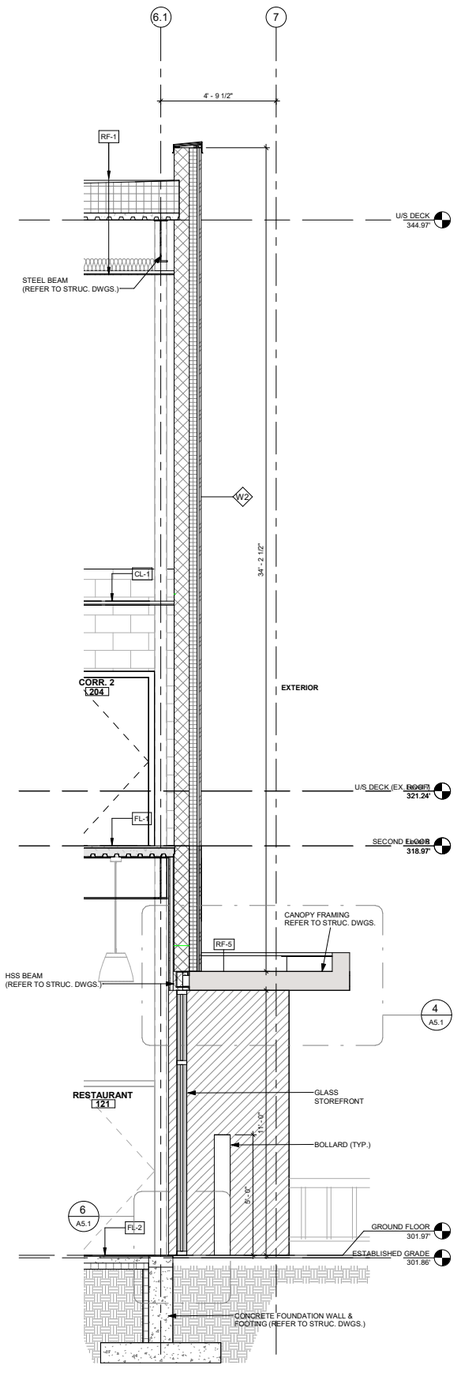
2 WALL SECTION 1
3/8" = 1'-0"



1 WALL SECTION 2
3/8" = 1'-0"



3 WALL SECTION 3
3/8" = 1'-0"



4 WALL SECTION 4
3/8" = 1'-0"

No.	Date:	Issued/Revision:	By

Client:

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Project :

FIREARMS OUTLET CANADA

725 WESTNEY RD. S.,
AJAX, ON L1S 7J7

Drawing Name :

WALL SECTION

Scale :	3/8" = 1'-0"	Project No :	00026
Drawn by :	JW	Drawing No :	A4.3
Checked by :	HW		

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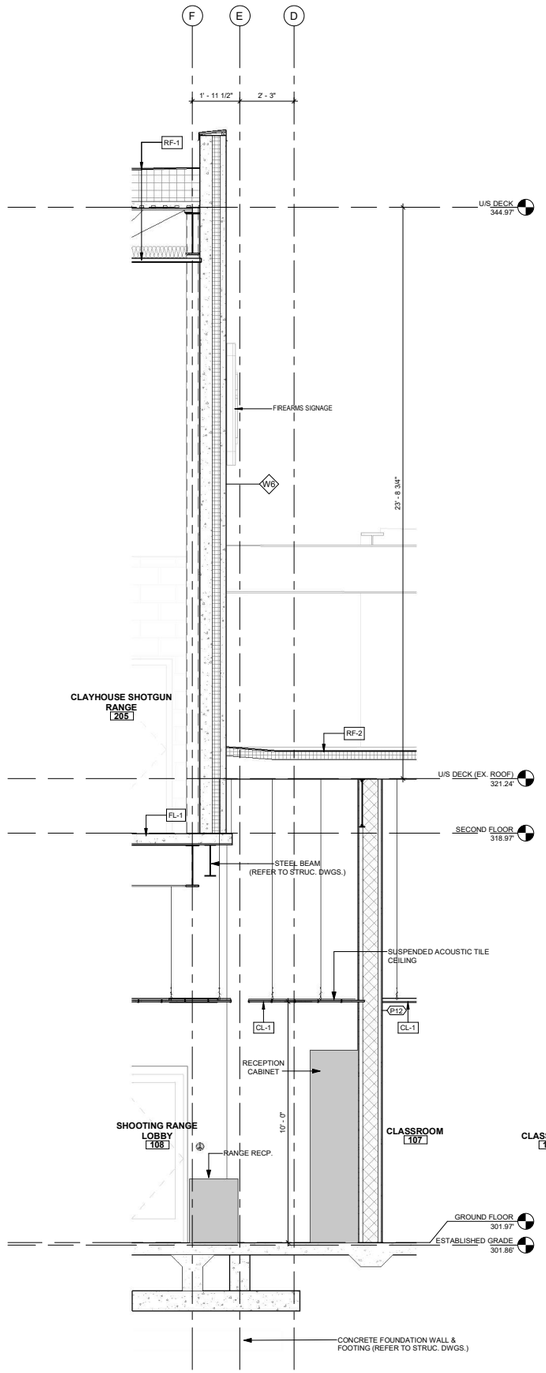
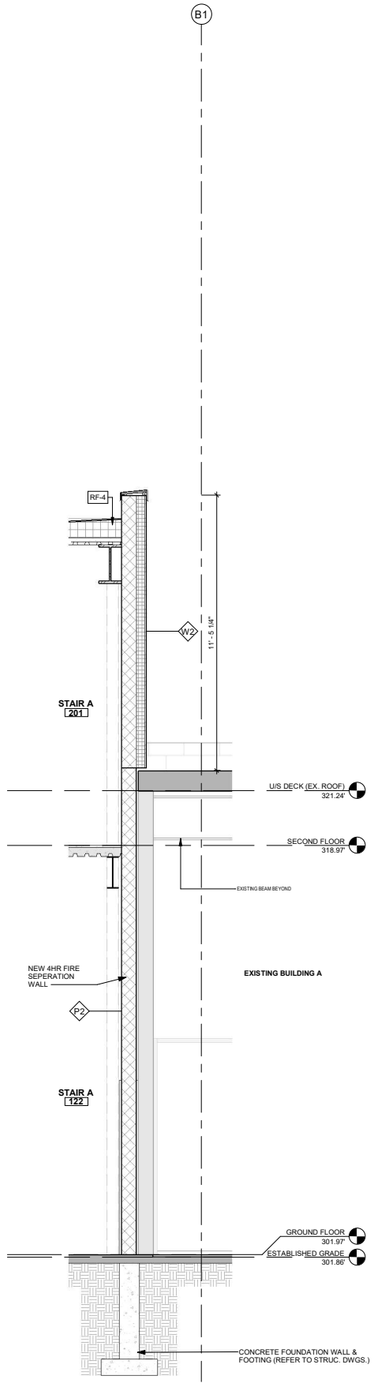
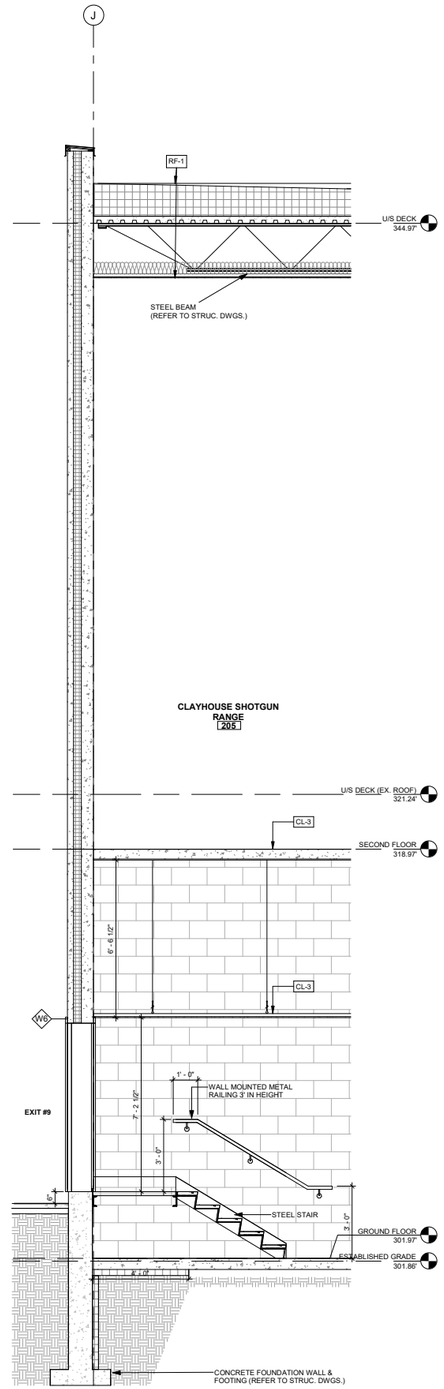


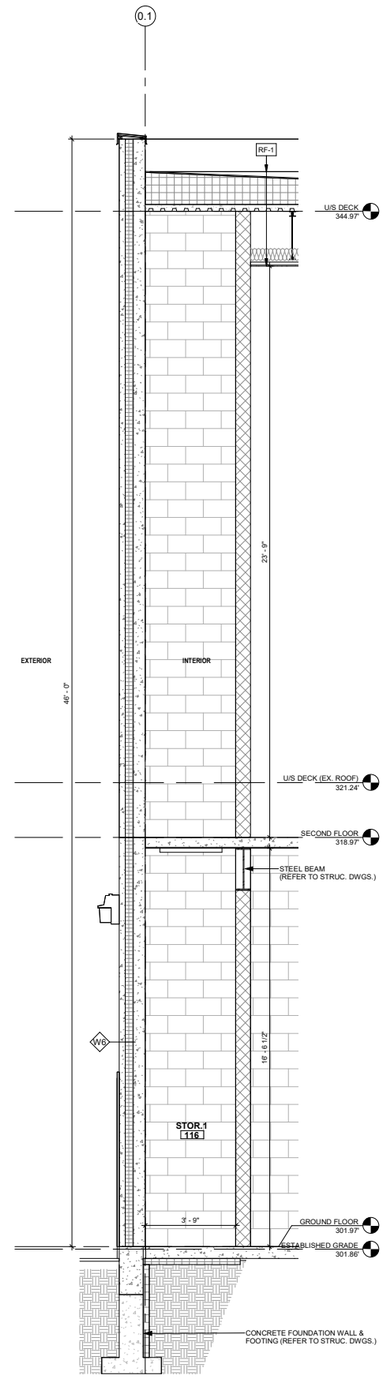
1 BUILDING SECTION 5
3/8" = 1'-0"



2 BUILDING SECTION 6
3/8" = 1'-0"



3 BUILDING SECTION 7
3/8" = 1'-0"



4 BUILDING SECTION 8
3/8" = 1'-0"

No.	Date:	Issued/Revision:	By

Client:

FIREARMS OUTLET CANADA

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Project :

FIREARMS OUTLET CANADA

725 WESTNEY RD. S.,
AJAX, ON L1S 7J7

Drawing Name :

WALL SECTION

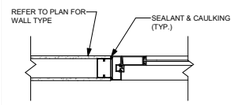
Scale :	3/8" = 1'-0"	Project No :	00026
Drawn by :	JW	Drawing No :	A4.4
Checked by :	HW		

C:\Users\HenryWang\Documents\725 Westney Rd S- Working drawings_HenryWang.rvt

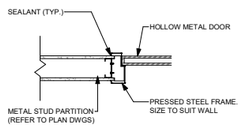
DOOR SCHEDULE

Mark	ROOM NAME	Door Type	Width	Height	Door Material	Door Finish	Glazing	Frame Material	Frame Finish	FIRE RATING	Latch	Lock	Self Closure	Exit Device	Privacy Lock	Door Stop	WEATHER STRIPPING	Kick Plates	Signage	REMARK
DR101	ENTRANCE	A	6' - 4"	7' - 9"	ALUM. FRAMED GLASS	CLEAR ANOD.	TSGL	ALUM.	CLEAR ANOD.		•	•	•	•			•			
DR102	VESTIBULE	A	6' - 4"	7' - 9"	ALUM. FRAMED GLASS	CLEAR ANOD.	TSGL	ALUM.	CLEAR ANOD.		•	•	•	•						
DR103	ELEVATOR MACHINE ROOM	C	3' - 0"	7' - 0"	HM	PT		HM	PT	45 MINS	•	•	•		•	•			•	
DR104	UNIVERSAL WASHROOM	C	3' - 2"	7' - 0"	HM	PT		HM	PT		•		•		•	•			•	REFER TO O.B.C. 3.8.3.12
DR105	WOMENS WASHROOM	C	3' - 0"	7' - 0"	HM	PT		HM	PT		•		•			•			•	
DR106	MENS WASHROOM	C	3' - 0"	7' - 0"	HM	PT		HM	PT		•		•			•			•	
DR107	SHOOTING RANGE ENTRANCE	E	6' - 0"	7' - 0"	ALUM. FRAMED GLASS	CLEAR ANOD.	TSGL	ALUM.	CLEAR ANOD.		•	•	•	•		•			•	
DR108	GUN LOCKER	D	3' - 2"	7' - 0"	HM	PT	-	HM	PT		•		•			•			•	
DR109	OFFICE 1	C	3' - 2"	7' - 0"	HM	PT		HM	PT							•			•	
DR110	OFFICE 2	C	3' - 2"	7' - 0"	HM	PT		HM	PT						•	•			•	
DR111	SERVICE CORRIDOR	C	3' - 2"	7' - 0"	HM	PT		HM	PT		•		•			•				
DR112	SERVICE CORRIDOR	C	3' - 6"	7' - 0"	HM	PT		HM	PT	3HR	•	•	•			•			•	
DR113	OFFICE 3	C	3' - 2"	7' - 0"	HM	PT		HM	PT		•	•				•			•	
DR114	ELECTRICAL ROOM	C	3' - 6"	7' - 0"	HM	PT		HM	PT	45 MINS	•	•	•			•			•	
DR115	MECHANICAL ROOM	C	3' - 6"	7' - 0"	HM	PT		HM	PT	45MINS	•	•	•			•			•	
DR116	STORAGE 1	C	3' - 0"	7' - 0"	HM	PT		HM	PT		•									
DR117	MECH. EXIT DOOR	C	3' - 6"	7' - 0"	INSUL. HM	PT		HM	PT	45 MINS	•		•	•			•		•	
DR118	EXIT DOOR 10	C	3' - 2"	7' - 0"	INSUL. HM	PT		HM	PT	45MINS	•		•	•			•		•	acoustic door seals along the bottom
DR119	SHOOTING RANGE CORRIDOR	D	3' - 2"	7' - 0"	HM	PT	TSGL	HM	PT		•		•	•		•			•	
DR120	SHOOTING RANGE	D	3' - 2"	7' - 0"	HM	PT	TSGL	HM	PT		•		•			•			•	
DR121	SHOOTING RANGE	D	3' - 2"	7' - 0"	HM	PT	TSGL	HM	PT		•		•			•			•	
DR122	EXIT DOOR 9	C	3' - 2"	7' - 0"	INSUL. HM	PT		INSUL HM	PT	1.5HR	•		•	•		•			•	acoustic door seals along the bottom
DR123	STAFF WASHROOM	C	2' - 8"	7' - 0"	HM	PT		HM	PT		•				•	•			•	
DR124	DOOR NEXT TO PICKUP WINDOW	B	3' - 2"	7' - 9"	ALUM	CLEAR ANOD.	TSGL	ALUM.	CLEAR ANOD.		•	•	•	•			•			
DR125	EXIT DOOR 6	C	3' - 0"	7' - 0"	INSUL. HM	PT		HM	PT		•		•	•			•			
DR126	STAIR A EXT	A	3' - 0"	7' - 0"	ALUM	AN		ALUM.	AN	3HR			•							
DR127	STAIR A INT.	C	3' - 2"	7' - 0"	HM	PT		HM	PT	45 MINS	•		•	•		•			•	
DR128	CLASSROOM	D	3' - 2"	7' - 0"	HM	PT	TSGL	HM	PT		•					•			•	
DR129	KITCHEN STORAGE	C	2' - 6"	8' - 0"	HM	PT					•					•			•	
DR130	STAIR C VESTIBULE	C	3' - 2"	7' - 0"	INSUL. HM	PT		INSUL HM	PT	45 MINS	•		•	•		•			•	acoustic door seals along the bottom
DR131	STORAGE	C	3' - 2"	7' - 0"	HM	PT		HM	PT							•				
DR132	STORAGE	C	3' - 2"	7' - 0"	HM	PT		HM	PT							•				
DR133	GARBAGE ROOM		16' - 0"	6' - 6"															•	
DR134	EXIT 11	C	3' - 2"	7' - 0"	INSUL. HM	PF		INSUL HM	PT	45MIN	•		•	•			•		•	
DR201	STAIR A SECOND FLOOR	D	3' - 0"	7' - 0"	HM	PT		HM	PT	45 MINS	•		•			•			•	
DR202	STORAGE 2 SECOND FLOOR	C	3' - 0"	7' - 0"	HM	PT		HM	PT		•		•			•			•	
DR203	LOBBY 2	D	3' - 2"	7' - 0"	HM	PT	TSGL	HM	PT		•		•			•			•	
DR204	CORR. 2	D	3' - 2"	7' - 0"	HM	PT	TSGL	HM	PT		•		•			•			•	
DR211	CORR. 2	D	3' - 2"	7' - 0"	HM	PT	TSGL	HM	PT		•	•	•			•				
DR212	STAIR B SECOND FLOOR	C	3' - 0"	7' - 0"	INSUL. HM	PT		HM	PT	45 MINS	•		•			•			•	acoustic door seals along the bottom
DR213	STORAGE SECOND FLOOR	C	3' - 0"	7' - 0"	HM	PT		HM	PT		•								•	

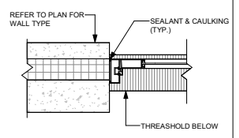
JAMB DETAILS



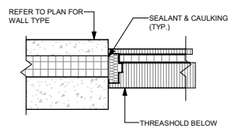
ALUM DOOR JAMB



HOLLOW METAL DOOR JAMB

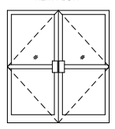


ALUM. DOOR JAMB

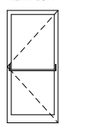


HOLLOW METAL DOOR JAMB

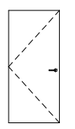
DOOR TYPES



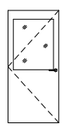
TYPE A
ALUM. FRAMED GLASS DOOR



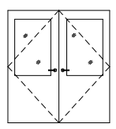
TYPE B
ALUM. FRAMED GLASS DOOR



TYPE C
HOLLOW METAL DOOR



TYPE D
SINGLE HOLLOW METAL DOOR W/ GLAZING



TYPE E
DOUBLE HOLLOW METAL DOOR W/ GLAZING

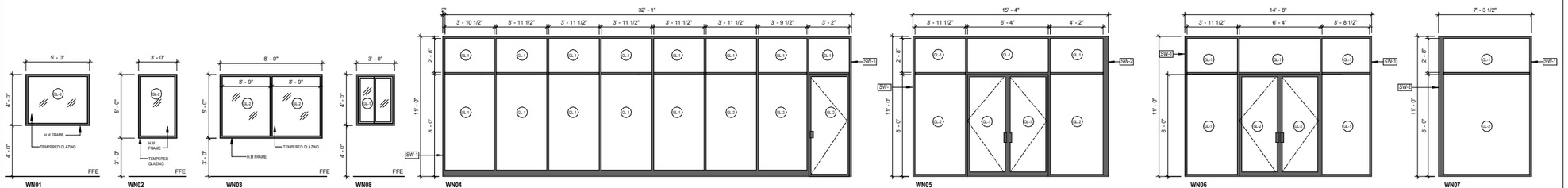
WINDOW SCHEDULE NOTES

1. FOR LOCATION OF WINDOWS, REFER TO FLOOR PLAN DRAWINGS .
2. ALL DIMENSIONS ARE IN IMPERIAL UNLESS OTHERWISE NOTED.
3. READ THESE DRAWINGS IN CONJUNCTION WITH ALL INTERFACE DISCIPLINE DRAWINGS (STRUCTURAL, MECHANICAL, ELECTRICAL, AND LANDSCAPE DESIGN), AND WORK BETWEEN ALL TRADES SHALL BE COORDINATED PRIOR TO PROCEEDING WITH CONSTRUCTION.
4. FIELD VERIFY ROUGH OPENING PRIOR TO ALL WINDOW FABRICATION AND INSTALLATIONS.

WINDOW SCHEDULE LEGEND

TYPE	DESCRIPTION	REMARK
SW-1	2" X 5" BLACK ANODIZED	SINGLE GLAZED STOREFRONT SYSTEM
SW-2	5" X 5" BLACK ANODIZED	SINGLE GLAZED STOREFRONT SYSTEM
GL-1	LOW-E INSULATED CLEAR GLASS	LAMINATED SAFETY GLASS
GL-2	CLEAR TEMPERED GLASS	
GL-3	WIRED GLASS	

WINDOW SCHEDULE



ROOM FINISH SCHEDULE

ROOM NO	ROOM NAME	FLOOR MAT.	FLOOR FINISH	WALLS NORTH MAT.	WALLS NORTH FIN.	WALLS SOUTH MAT.	WALLS SOUTH FIN.	WALLS EAST MAT.	WALLS EAST FIN.	WALLS WEST MAT.	WALLS WEST FIN.	CEILING MAT.	CEILING FINISH	REMARKS
GROUND FLOOR- REFER TO DWG. A2.7														
101	VESTIBULE	CON	CFT	GL	-	GB	ALUM PANEL	GL	-	GL	-	GL	PT	REFER TO ID DWGS.
102	LOBBY	CON	CFT	GB	-	GB	-	GL	-	CON / BLK	-	-	-	REFER TO ID DWGS.
103	MACHINE ROOM	CON	PC	CON / BLK	PT	CON / BLK	PT	CON / BLK	PT	CON / BLK	PT	EC	PT	
104	UNIVERSAL WASHROOM	CON	CFT	GB	CWT	CON / BLK	CWT	GB	CWT	GB	CWT	GB	PT	
105	WOMEN'S WASHROOM	CON	CFT	GB	CWT	CON / BLK	CWT	STUD W. CON / BLK	CWT	GB	CWT	GB	PT	
106	MEN'S WASHROOM	CON	CFT	GB	CWT	CON / BLK	CWT	GB	CWT	GB	CWT	GB	PT	
107	CLASSROOM	CON	PC	GB	PT	CON / BLK	PT	GB	PT	CON / BLK	PT	AT	PF	
108	SHOOTING RANGE LOBBY	CON	PC	GB	-	GB	-	GB	-	GB	-	AT	PF	REFER TO ID DWGS.
109	GUN LOCKER ROOM	CON	PC	GB	PT	GB	PT	GB	PT	GB	PT	AT	PF	
110	OFFICE 1	CON	PC	GB	PT	GB	PT	GB	PT	GB	PT	AT	PF	
111	OFFICE 2	CON	PC	GB	PT	GB	PT	GB	PT	GB	PT	AT	PF	
112	SERVICE CORRIDOR	CON	PC	CON / BLK	PT	CON / BLK	PT	CON / BLK	PT	CON / BLK	PT	EC	PT	
113	OFFICE 3	CON	PC	CON / BLK	PT	CON / BLK	PT	CON / BLK	PT	CON / BLK	PT	AT	PF	
114	ELECTRICAL ROOM	CON	PC	CON / BLK	PT	CON / BLK	PT	CON / BLK	PT	CON / BLK	PT	EC	PT	
115	MECHANICAL ROOM	CON	PC	CON / BLK	PT	CON / BLK	PT	CON / BLK	PT	CON / BLK	PT	EC	PT	
116	STORAGE 1	CON	PC	CON / BLK	PT	CON / BLK	PT	CON / BLK	PT	PRECAST	PT	EC	PT	
117	CORRIDOR	CON	PC	CON / BLK	PT	CON / BLK	PT	CON / BLK	PT	PRECAST	PT	AT	PF	
118	STORAGE (KITCHEN)	CON	PC	GB	PT	GB	PT	GB	PT	CON / BLK	PT	EC	PT	
119	STAFF WASHROOM	CON	CFT	PRECAST	CWT	GB	CWT	GB	CWT	GB	CWT	GB	PT	
120	KITCHEN	CON	CFT	-	-	-	-	-	-	-	-	-	-	REFER TO ID DWGS.
121	RESTAURANT	CON	CFT	-	-	-	-	-	-	-	-	-	-	REFER TO ID DWGS.
122	STAIR A	CON	PC	CON / BLK	PT	CON / BLK	PT	CON / BLK	PT	CON / BLK	PT	EC	PT	
123	STAIR B	CON	PC	PRECAST	PT	CON / BLK	PT	CON / BLK	AWP	PRECAST	PT	AP	PF	
124	STAIR C	CON	PC	PRECAST	PT	CON / BLK	AWP	CON / BLK	PT	CON / BLK	AWP	AP	PF	
125	GARGE ROOM	CON	PC	CON / BLK	-	CON / BLK	-	CON / BLK	-	PRECAST	-	EC	-	
126	SHOOTING RANGE 1	CON	PC	CON / BLK	-	CON / BLK	-	CON / BLK	-	CON / BLK	-	-	-	REFER TO ACTION TARGET DWGS.
127	SHOOTING RANGE 2	CON	PC	CON / BLK	-	CON / BLK	-	CON / BLK	-	CON / BLK	-	-	-	REFER TO ACTION TARGET DWGS.
128	STORAGE 2	CON	PC	CON / BLK	PT	CON / BLK	PT	CON / BLK	PT	CON / BLK	PT	EC	-	
129	STORAGE 3	CON	PC	CON / BLK	PT	CON / BLK	PT	CON / BLK	PT	CON / BLK	PT	EC	-	
GROUND FLOOR- REFER TO DWG. A2.8														
201	STAIR A	CON	PC	CON / BLK	PT	CON / BLK	PT	CON / BLK	PT	CON / BLK	PT	EC	PT	
202	STORAGE 2	CON	PC	CON / BLK	PT	CON / BLK	PT	CON / BLK	PT	GB	PT	AT	PF	
203	LOBBY 2	CON	PC	GB	PT	GB	PT	GB	PT	GB	PT	AT	PF	
204	CORRIDOR 2	CON	PC	CON / BLK	PT	CON / BLK	PT	PRECAST	PT	CON / BLK	PT	AT	PF	
205	CLAYHOUSE SHOT GUN RANGE	CON	PC	PRECAST	-	PRECAST	-	PRECAST	-	CON / BLK	-	-	-	REFER TO ACTION TARGET DWGS.
206	STAIR B	CON	PC	CON / BLK	AWP	CON / BLK	PT	CON / BLK	AWP	PRECAST	PT	AP	PF	
207	STORAGE 3	CON	PC	CON / BLK	PT	CON / BLK	PT	CON / BLK	PT	PRECAST	PT	EC	PT	

DOOR & WINDOW SCHEDULES NOTES

1. READ ARCHITECTURAL DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL SPECIFICATIONS INTERFACE DISCIPLINE (CIVIL, STRUCTURAL, MECHANICAL, HVAC, PLUMBING AND ELECTRICAL) AND WORK BETWEEN TRADES SHALL BE COORDINATED PRIOR TO PROCEEDING WITH CONSTRUCTION.
2. DIRECTIONS OF SWING AND ORIENTATION FOR ALL DOORS ARE TO BE DETERMINED FROM FLOOR PLANS.
3. ALL EXISTING DOORS ARE NOT NUMBERED.
4. ALL EXTERIOR METAL DOORS SHALL BE INSULATED AND WEATHER STRIPPED AND THE CAVITY BEHIND AND AROUND THE FRAMES SHALL BE FILLED W/ POLYURETHANE INSULATION.
5. DOOR AND WINDOW ASSEMBLIES TO MEET THE REQUIREMENTS OF SB10 OF THE OBC.
6. DOOR AND WINDOW MANUFACTURER(S) TO SITE VERIFY ALL ROUGH OPENING DIMENSIONS PRIOR TO FABRICATION.
7. ALL METAL DOORS ARE TO BE INSTALLED W/ MIN. 3 HINGES. HEAVY-DUTY HINGES THROUGHOUT.
8. GLASS DOORS AND WINDOWS SHALL BE CONSTRUCTED W/ TEMPERED SAFETY GLASS.
9. ALL DOORS WITHIN A BARRIER-FREE PATH OF TRAVEL SHALL BE INSTALLED W/ LEVER TYPE DOOR HANDLES.
10. ALL EXIT DOOR SHALL BE INSTALLED WITH EXIT HARDWARE THAT COMPLIES WITH OBC 3.3.1.12 AND 3.4.6.16.
11. OPAQUE STRIPS SHALL COMPLY WITH O.B.C. 3.8.3.3.(15).

DOOR ,WINDOW & ROOM FINISHSCHEDULES ABBREVIATIONS

ANOD	ANODIZED	CWT	CERAMIC WALL TILE
ALUM	ALUMINUM	EC	EXPOSED CEILING
AW	ACOUSTIC WALL	UNI.	UNIVERSAL WASHROOM
CON/BLK	CONCRETE BLOCK	PRECAST	PRECAST WALL
CWT	CERAMIC WALL TILES	AWP	ACOUSTIC WALL PANEL
DBL	DOUBLE	AP	ACOUSTIC PANEL
DR	DOOR		
DTGL	DOUBLE TEMPERED GLASS		
GALV	GAVANIZED		
GB	GYPSUM BOARD		
GL	GLASS		
GWG	GEORGIAN WIRED GLASS		
HM	HOLLOW METAL		
INSUL	INSULATED		
LH	LEFT HAND		
RH	RIGHT HAND		
RO	ROUGH OPENING		
PS	PRESSED STEEL		
TSGL	TEMPERED SAFETY GLASS		
TC	T-BAR CEILING		
TEMP	TEMPERED GLASS		
PF	PREFINISHED		
PT	PAINT		
EXT	EXTERIOR		
INT	INTERIOR		
MIN.	MINUTE		
FFE	FINISH FLOOR ELEVATION		
CFT	CERAMIC FLOOR TILE		
PC	POLISHED CONCRETE		
CON	CONCRETE		
BLK	BLOCK		
RM	ROOM		

No.	Date:	Issued/Revision:	By

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Project :

FIREARMS OUTLET CANADA

725 WESTNEY RD. S.,
AJAX, ON L1S 7J7

Drawing Name :

DOOR & WINDOW & ROOM FINISH SCHEDULES

Scale :	As indicated	Project No :	00026
Drawn by :	JW	Drawing No :	A4.5
Checked by :	HW		

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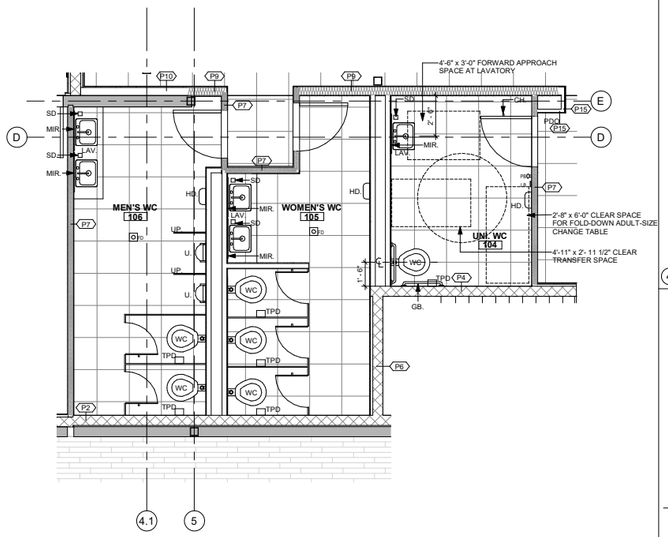
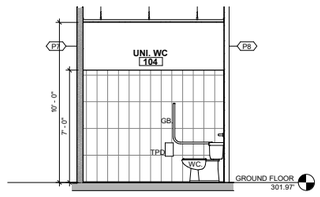
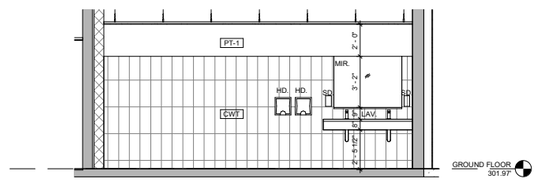


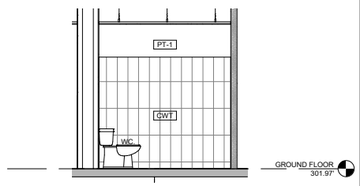
1 ENLARGE PLAN - UNIVERSAL WASHROOM
1/4" = 1'-0"



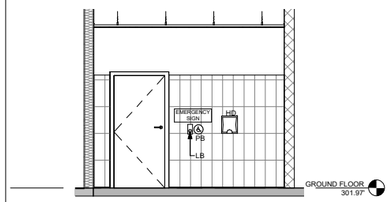
4 UNIVERSAL WASHROOM ELEVATION - SOUTH
1/4" = 1'-0"



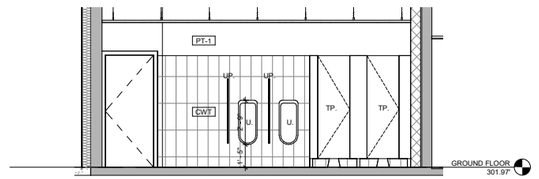
8 MEN WASHROOM ELEVATION - WEST
1/4" = 1'-0"



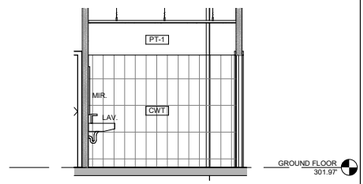
9 MEN WASHROOM ELEVATION - SOUTH
1/4" = 1'-0"



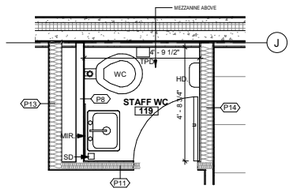
5 UNIVERSAL WASHROOM ELEVATION 4
1/4" = 1'-0"



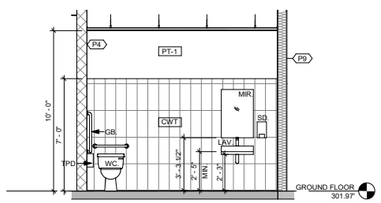
10 MEN WASHROOM ELEVATION - EAST
1/4" = 1'-0"



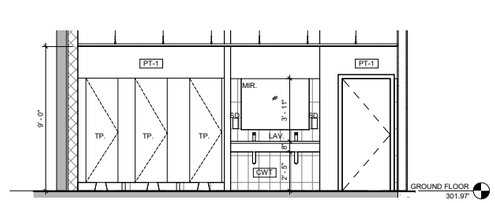
11 MEN WASHROOM ELEVATION - NORTH
1/4" = 1'-0"



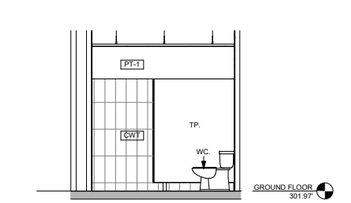
2 STAFF WASHROOM
3/8" = 1'-0"



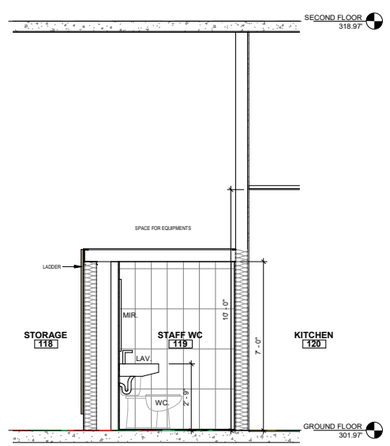
6 UNIVERSAL WASHROOM ELEVATION - WEST
1/4" = 1'-0"



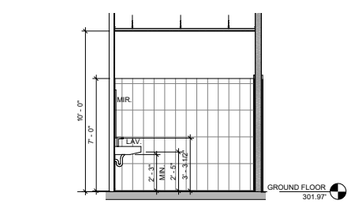
12 WOMEN WASHROOM ELEVATION - WEST
1/4" = 1'-0"



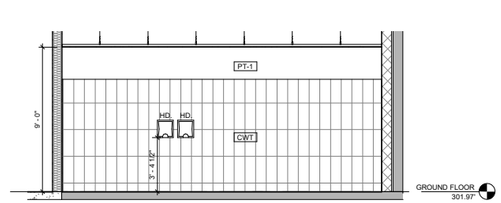
13 WOMEN WASHROOM ELEVATION - SOUTH
1/4" = 1'-0"



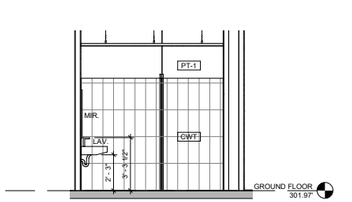
3 STAFF WASHROOM SECTION PLAN
3/8" = 1'-0"



7 UNIVERSAL WASHROOM ELEVATION - NORTH
1/4" = 1'-0"



14 WOMEN WASHROOM ELEVATION - EAST
1/4" = 1'-0"



15 WOMEN WASHROOM ELEVATION - NORTH
1/4" = 1'-0"

ABBREVIATIONS

TPD	TOILET PAPER DISPENSER
SND	SANITARY NAPKIN DISPENSER
PB	PUSH BUTTON
PDO	POWER DOOR OPERATION
PTD/R	PAPER TOWEL DISPENSER/ RECEPTACLE
SNR	SANITARY NAPKIN RECEPTACLE
SD	SOAP DISPENSER
MIR	MIRROR
CH	COAT HOOK
GB	GRAB BARS
WC	FLOOR MOUNTED WATER CLOSET
UP	URINAL PARTITION
U	URINAL
TP	TOILET PARTITION
LAV	LAVATORY

NOTES

1. FOR GENERAL NOTES AND LEGEND AND WALL TYPES, REFER TO DRAWING A1.2.
2. READ ARCHITECTURAL DRAWINGS IN CONJUNCTION WITH ALL OTHER CONSULTANTS' DRAWINGS. WORK BETWEEN TRADES SHALL BE COORDINATED PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. ROOM FINISH REFER TO ROOM FINISH SCHEDULE ON DRAWING A5.1.
4. ALL FIXUTRES IN UNIVERSAL WASHROOM SHALL COMPLY WITH OBC 3.8.3.12.
5. FOR FLOOR DRAIN LOCATIONS REFER TO MECHANICAL DDRAWINGS TYPICAL.

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FIREARMS OUTLET CANADA

725 WESTNEY RD. S.,
AJAX, ON L1S 7J7

Drawing Name :

WASHROOM DETAIL

Scale :	As indicated	Project No :	00026
Drawn by :	Author	Drawing No :	A4.6
Checked by :	Checker		

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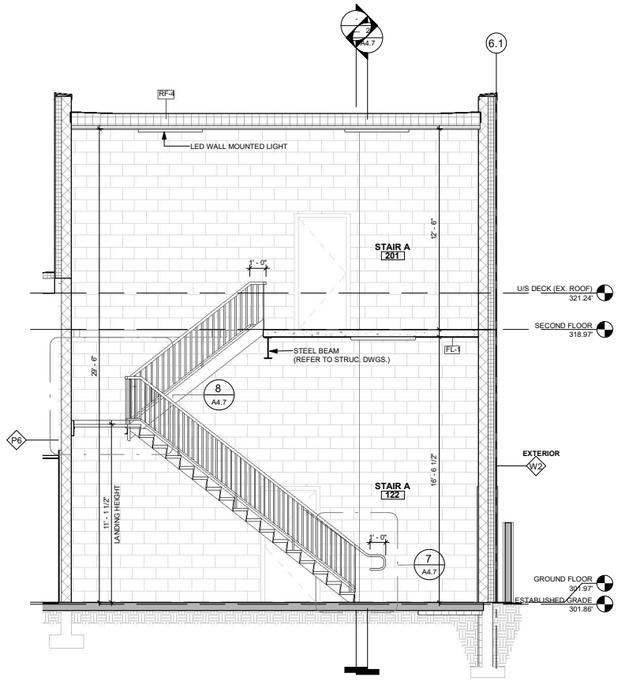
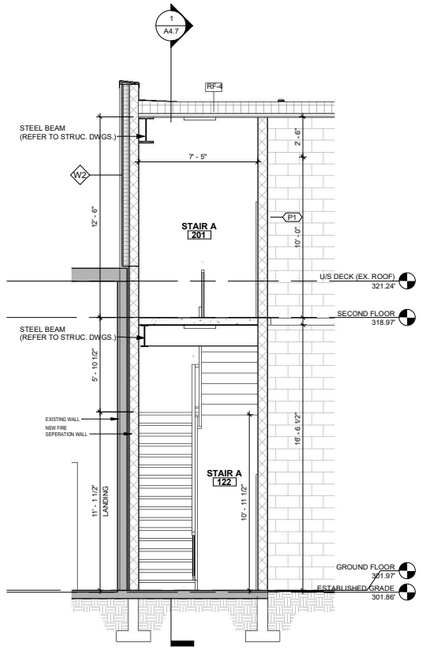
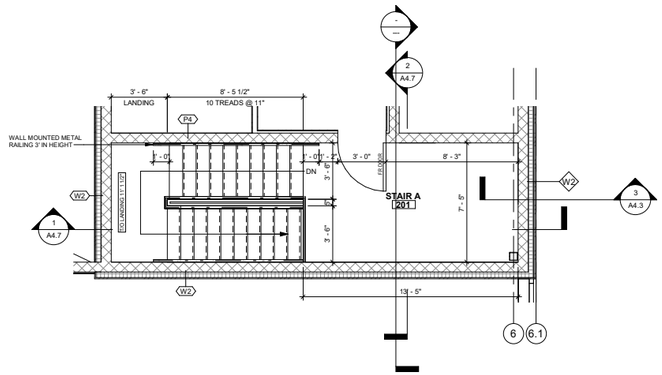


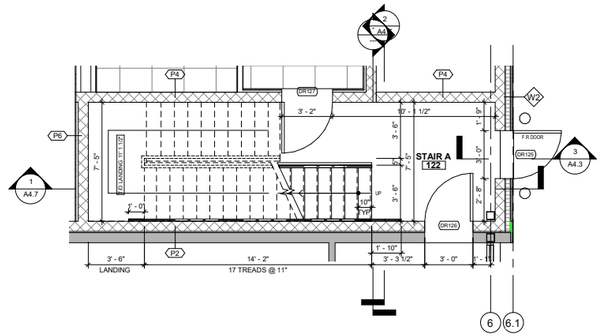
1 STAIR A SECTION A
1/4" = 1'-0"



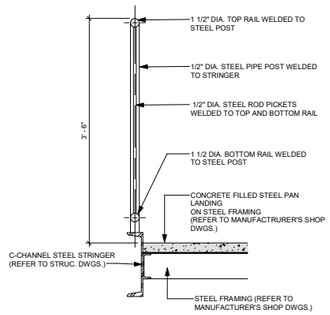
2 STAIR A SECTION B
1/4" = 1'-0"



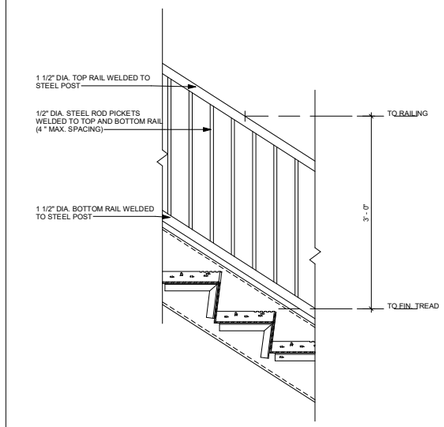
3 STAIR A SECOND FLOOR PLAN
1/4" = 1'-0"



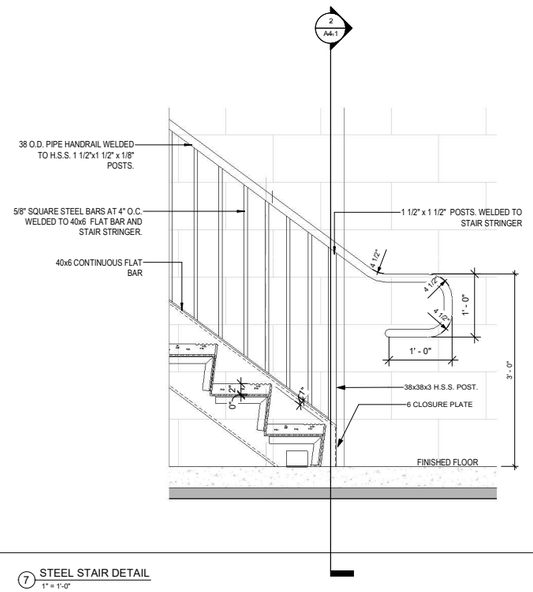
4 STAIR A GROUND FLOOR PLAN
1/4" = 1'-0"



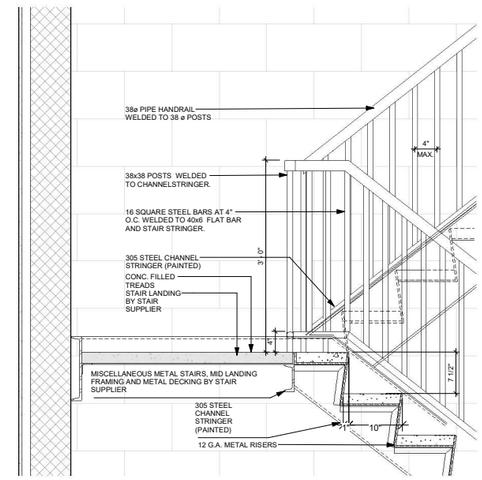
5 SECTION RAILING DETAIL
1" = 1'-0"



6 RAILING DETAIL
1" = 1'-0"



7 STEEL STAIR DETAIL
1" = 1'-0"



8 STEEL STAIR LANDING DETAIL
1" = 1'-0"

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FIREARMS OUTLET CANADA

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Drawing Name :

STAIR A DETAILS

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Drawn by :	JW	Drawing No :	A4.7
Checked by :	HW		

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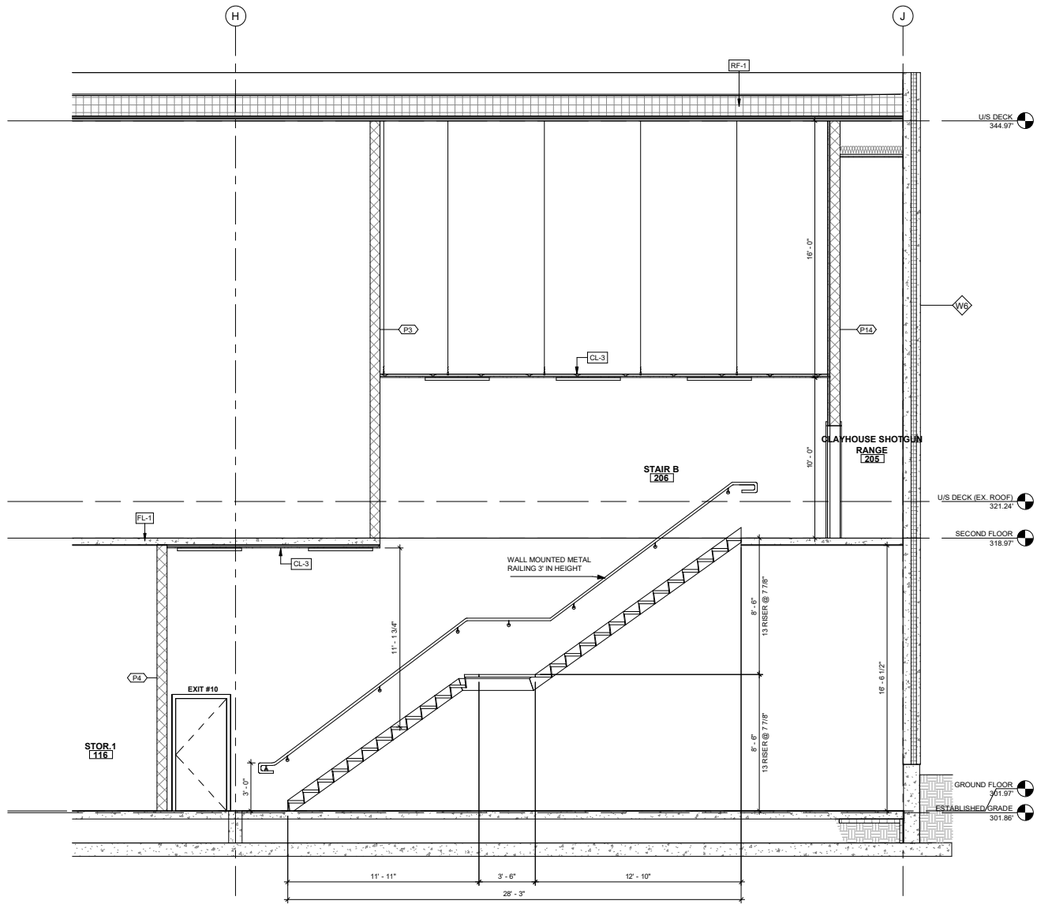
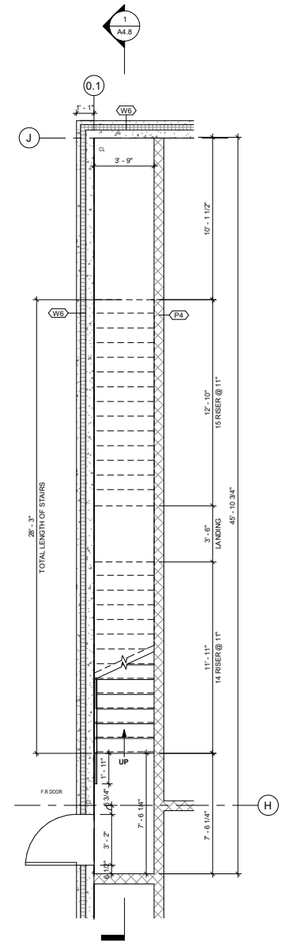
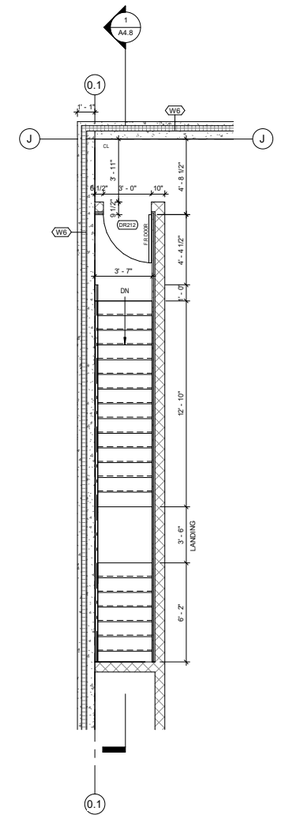


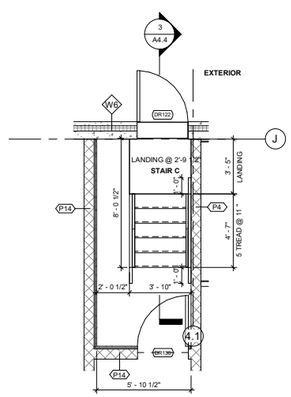
1 STAIR B SECTION
1/4" = 1'-0"



2 STAIR B GROUND FLOOR PLAN
1/4" = 1'-0"



3 STAIR B SECOND FLOOR PLAN
1/4" = 1'-0"



4 STAIR C ENLARGE PLAN
1/4" = 1'-0"

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Drawing Name :

STAIR B DETAILS

Scale :	1/4" = 1'-0"	Project No :	00026
Drawn by :	JW	Drawing No :	A4.8
Checked by :	HW		

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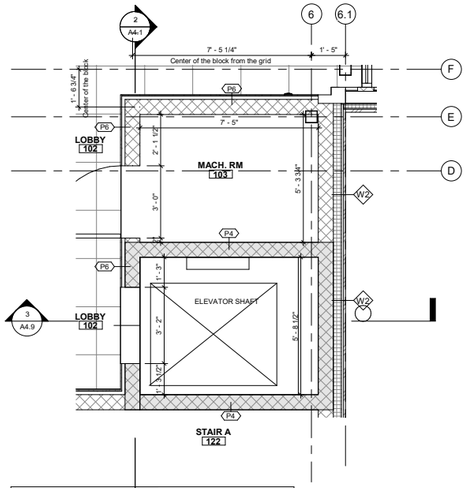
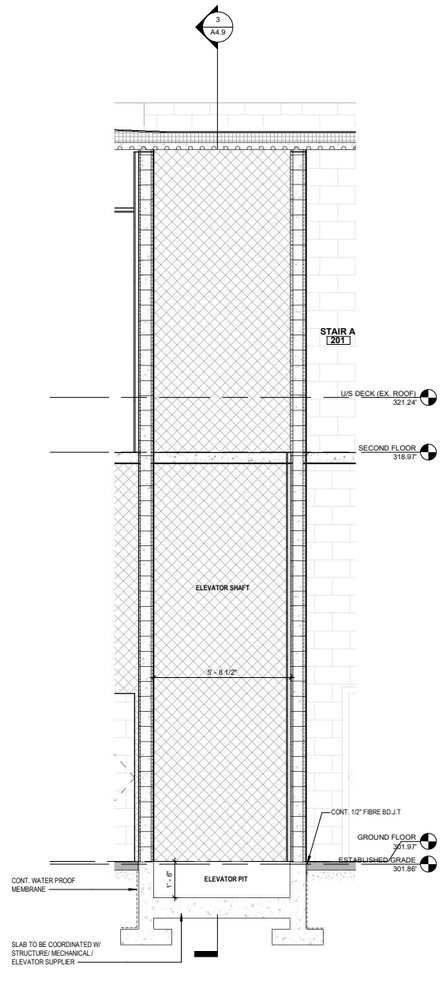
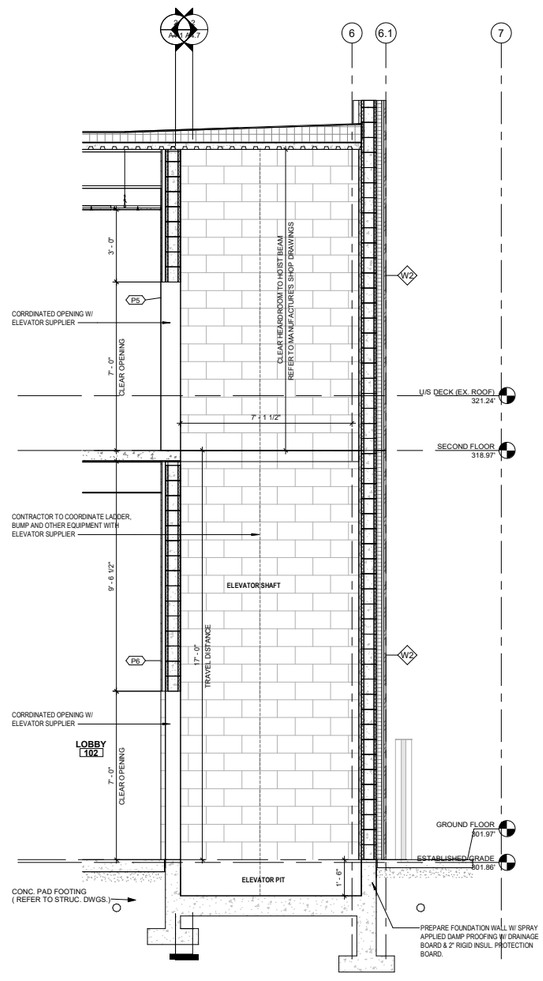


NOTE:
1. INDICATES DIMENSIONS REQUIRED BY MANUFACTURE'S PRODUCT CUTSHEET.
CONFIRM W/ MANUFACTURER'S PRODUCT CUTSHEET PRIOR TO COMPLETING WORK.
2. REFER TO MANUFACTURE'S SHOP DRAWINGS

1 ENLARGE ELEVATOR PLAN
3/8" = 1'-0"



2 BUILDING SECTION 2 - Callout 3
3/8" = 1'-0"



3 ELEVATOR SECTION
3/8" = 1'-0"

NOTE:
REFER TO MECH. DWGS. FOR PIT DRAIN

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Drawing Name :

ELEVATOR SHAFT SECTION

Scale :	3/8" = 1'-0"	Project No :	00026
Drawn by :	JW	Drawing No :	A4.9
Checked by :	HW		

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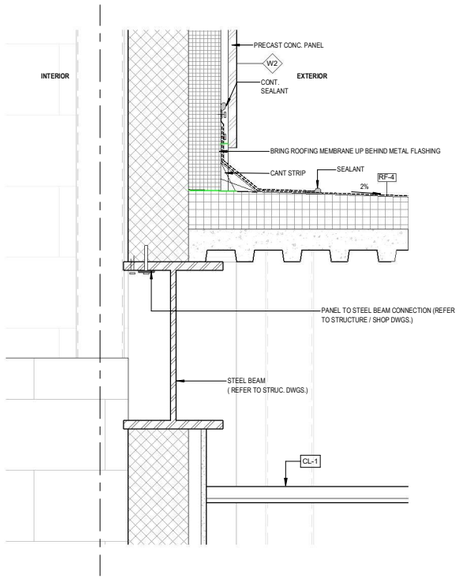
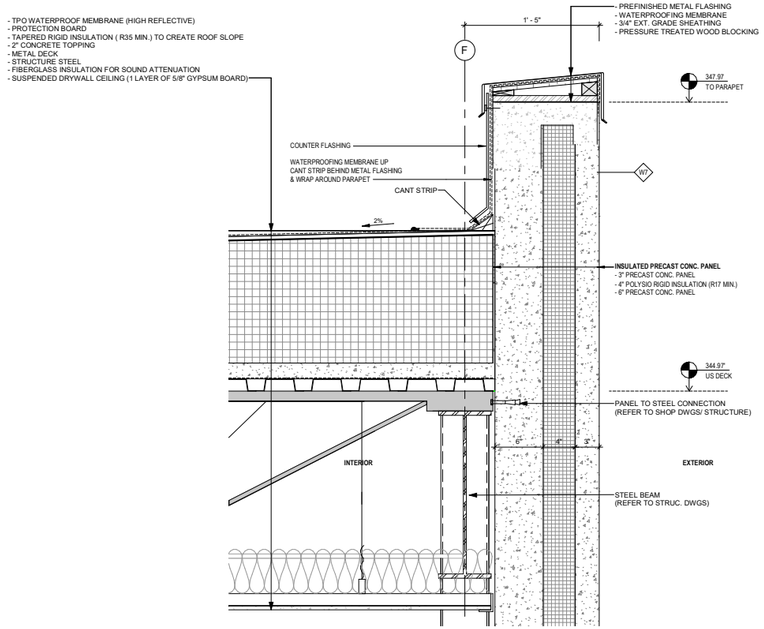
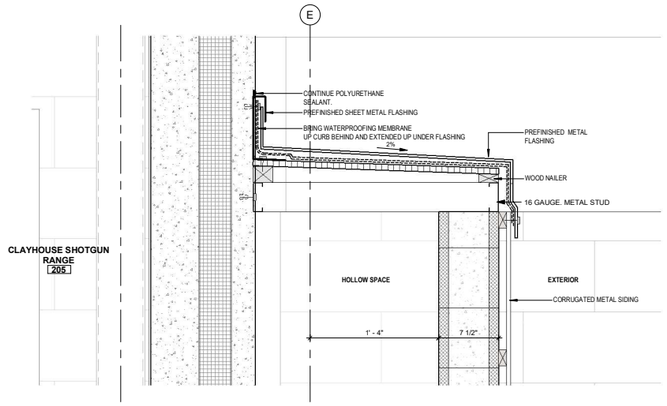


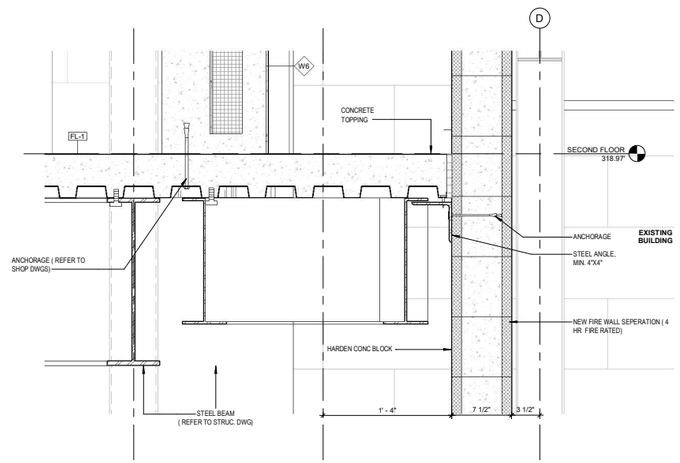
1 Section 5 - Callout 1 - Callout 2
1 1/2" = 1'-0"



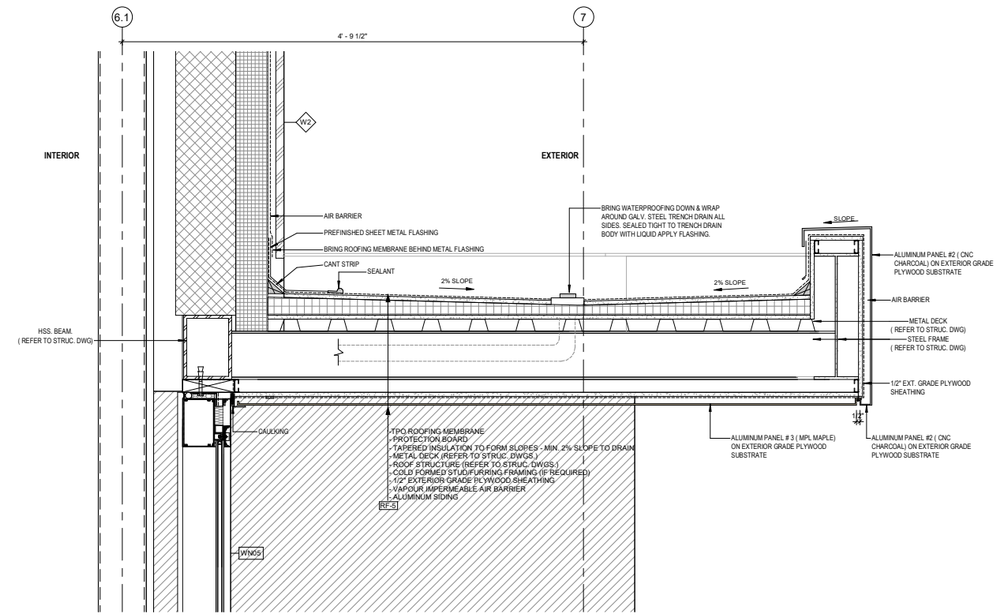
2 PARAPET DETAIL
1 1/2" = 1'-0"



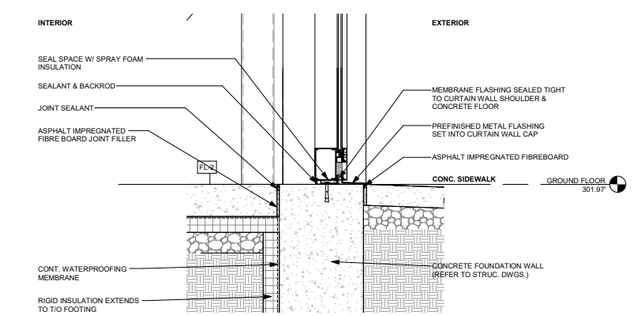
3 Section 3 - Callout 1 - Callout 2
1 1/2" = 1'-0"



5 FLOOR CONNECTION AGAINST FIREWALL
1 1/2" = 1'-0"



4 CANOPY SECTION DETAIL
1 1/2" = 1'-0"



6 SECTION DETAIL- CURTAIN WALL BASE
1" = 1'-0"

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Drawing Name :

WALL SECTION DETAILS

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Drawn by :	JW	Drawing No :	A5.1
Checked by :	HW		

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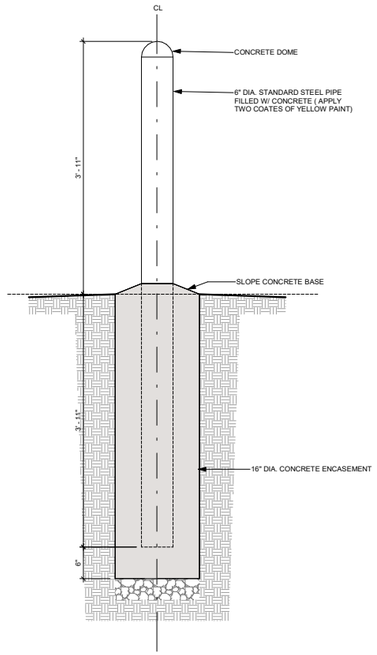
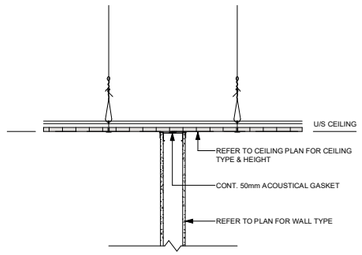
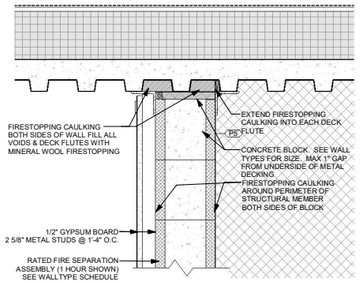


1 BOLLARD SECTION DETAIL
1" = 1'-0"



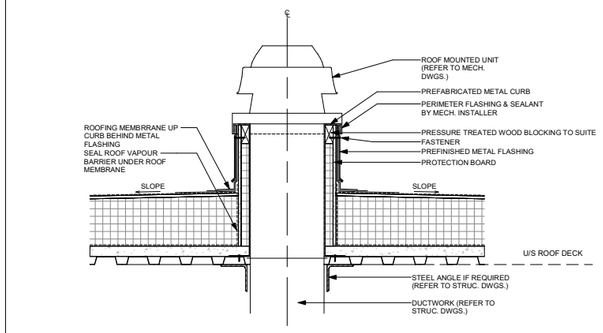
4 PARTITION TO U/S FINISHED CEILING
1" = 1'-0"



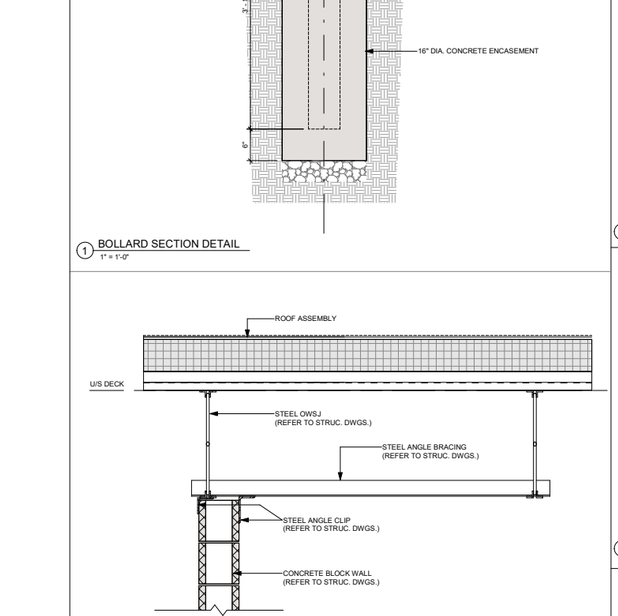
NOTE:

- THIS DETAIL APPLIES TO ALL FIRE RATED WALL TO ROOF DECK CONNECTION.
- REFER TO WALL TYPES FOR FIRE RESISTANT RATING.

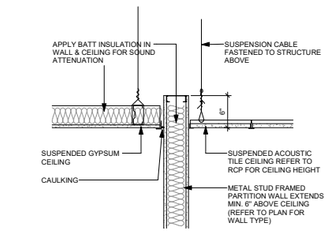
8 FIRE SEPARATION TO ROOF DECK DETAIL
1 1/2" = 1'-0"



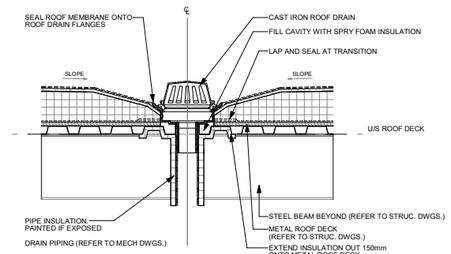
11 EXHAUST FAN SECTION DETAIL
1" = 1'-0"



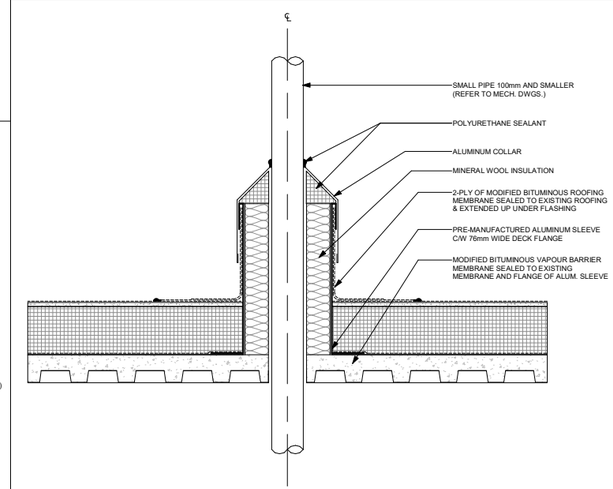
2 SECTION DETAIL- BLOCK WALL TO U/S OWSJ
1" = 1'-0"



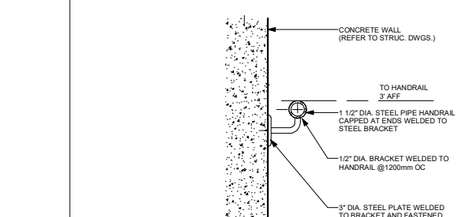
5 SUSPENDED CEILING TO PARTITION WALL DETAIL
1" = 1'-0"



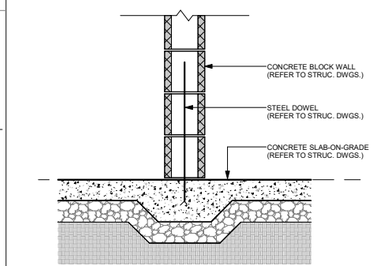
9 ROOF DRAIN SECTION DETAIL
1" = 1'-0"



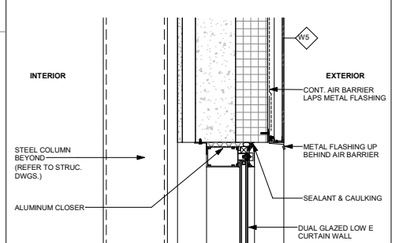
12 ROOF PENETRATION SECTION DETAIL - SMALL PIPE
1 1/2" = 1'-0"



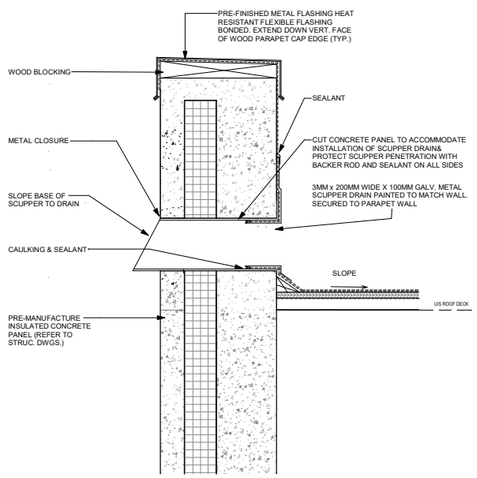
3 SECTION DETAIL- WALL MOUNTED HANDRAIL
1" = 1'-0"



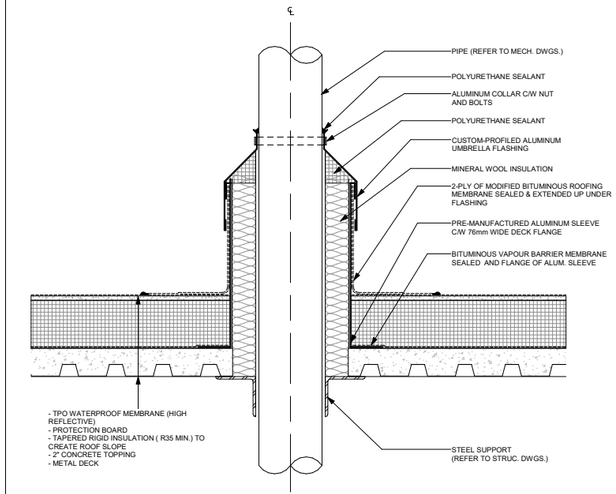
6 CONCRETE BLOCK WALL BASE DETAIL
1" = 1'-0"



7 WINDOW HEAD SECTION DETAIL
1 1/2" = 1'-0"



10 ROOF OVERFLOW SCUPPER SECTION DETAIL
1 1/2" = 1'-0"



13 ROOF PENETRATION SECTION DETAIL - LARGE PIPE
1 1/2" = 1'-0"

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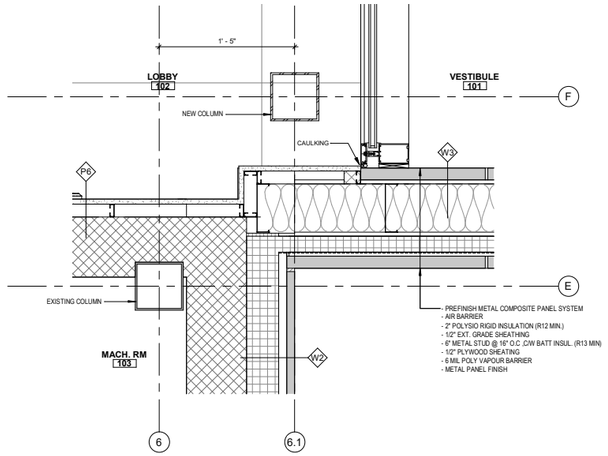
Drawing Name :

SECTION DETAILS

Scale :	As indicated	Project No :	00026
Drawn by :	JW	Drawing No :	A5.2
Checked by :	HW		

C:\Users\HenryWong\Documents\725 Westney Rd S- Working drawings_HenryWong.rvt



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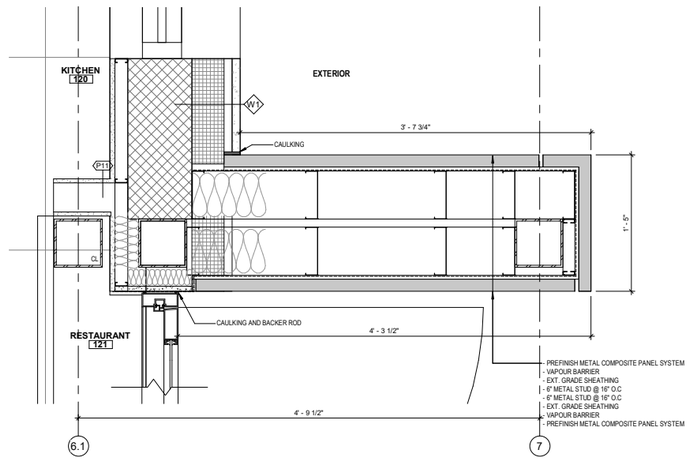
1 1/2" = 1'-0"



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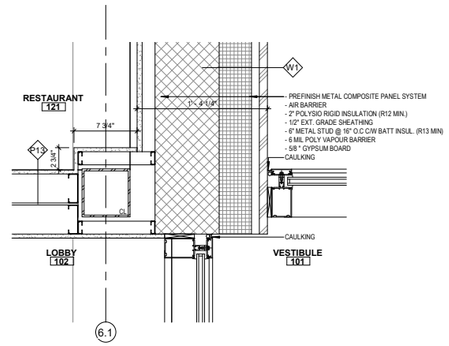

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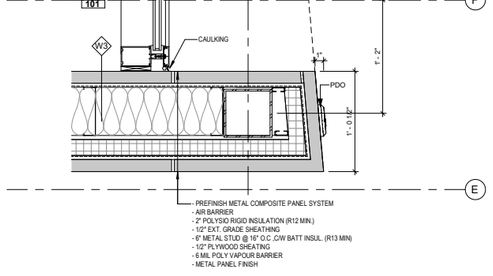

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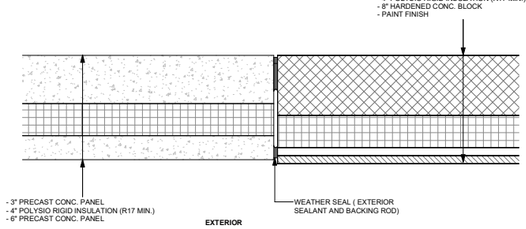

5 PLAN DETAIL 5
1 1/2" = 1'-0"

No.	Date:	Issued/Revision:	By

Client:

FIREARMS OUTLET CANADA

WANG ARCHITECTS INC.
3950 14th Ave, Unit 609
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Project :

FIREARMS OUTLET CANADA

725 WESTNEY RD. S.,
AJAX, ON L1S 7J7

Drawing Name :

PLAN DETAILS

Scale :	1 1/2" = 1'-0"	Project No :	00026
Drawn by :	JW	Drawing No :	A5.3
Checked by :	HW		

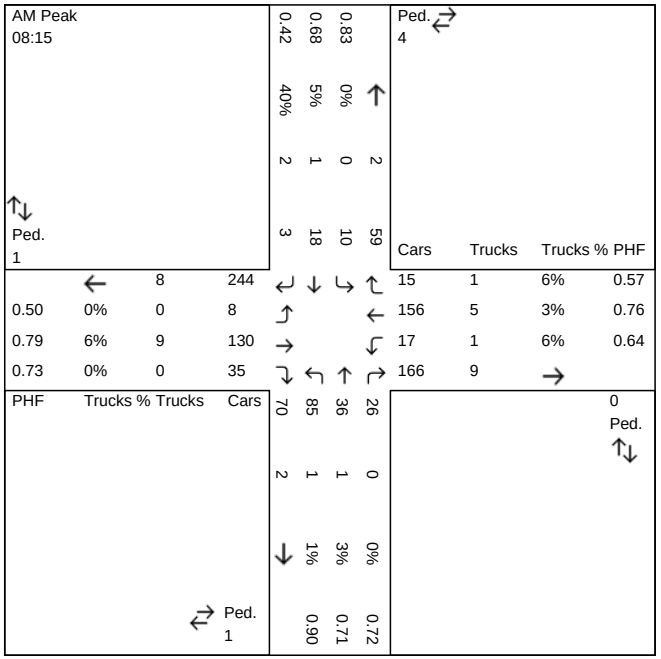
C:\Users\HenryWang\Documents\725 Westney Rd S- Working drawings_HenryWang.rvt

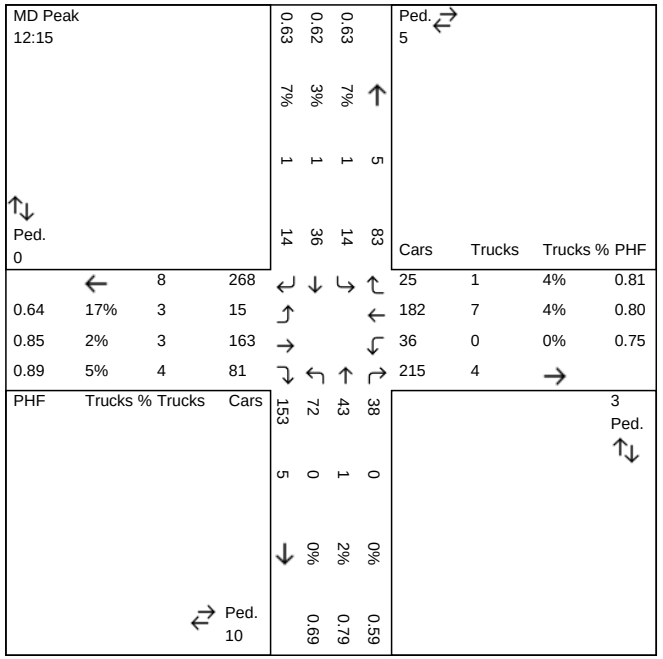
Appendix B
Transportation Traffic Data and Sample Calculations

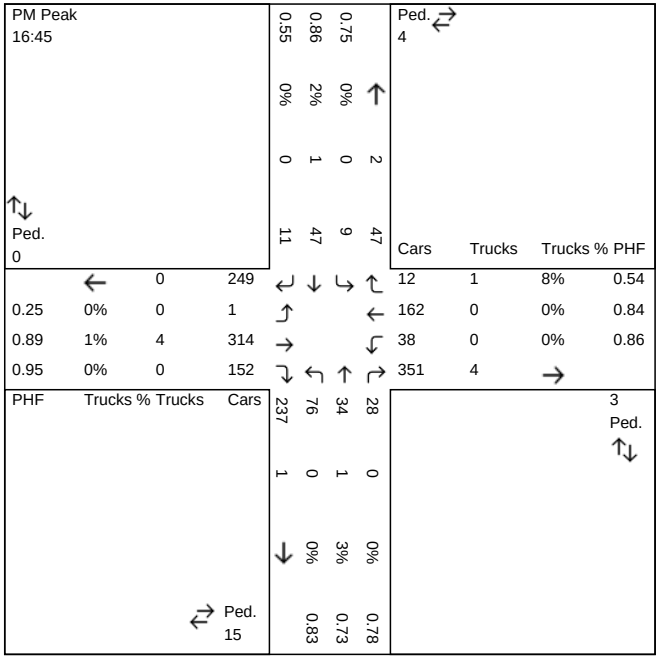
TMC Tabular Report

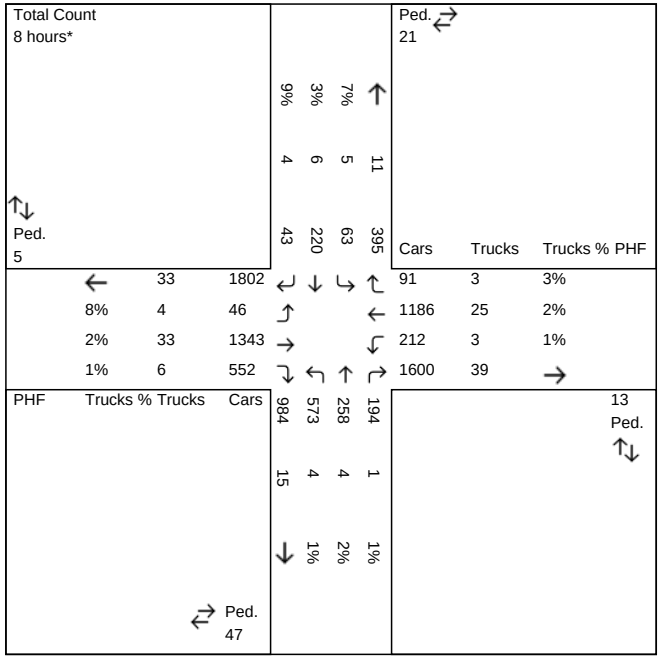
Westney Rd (R.R.31) @ Finley Av

TMC No: 0310100000 **Intersection ID:** 10437 **Count ID:** 35702018787 **Count Date:** 05/12/2021, Wed









TMC 15 Min Report

Westney Rd (R.R.31) @ Finley Av

TMC No: 0310100000 **Intersection ID:** 10437 **Count ID:** 35702018787 **Count Date:** 05/12/2021, Wed

Time	NORTH APPROACH										EAST APPROACH										SOUTH APPROACH										WEST APPROACH										Total
	Cars			Trucks			Heavies			Ped	Cars			Trucks			Heavies			Ped	Cars			Trucks			Heavies			Ped	Cars			Trucks			Heavies			Ped	
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right		
Period 1																																								
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:15	0	1	1	0	0	0	0	0	0	0	2	39	0	0	0	0	0	0	0	0	22	4	2	0	0	0	0	0	0	0	5	4	0	0	0	0	0	0	0	80
06:30	0	0	1	0	0	0	0	0	0	1	0	28	2	0	0	0	0	0	0	0	35	0	0	0	0	0	0	1	1	5	1	0	0	0	0	0	0	0	0	75
06:45	0	4	2	0	0	0	0	0	0	1	0	38	2	0	0	0	0	0	0	0	27	8	2	0	0	0	0	0	1	13	1	0	1	0	0	0	0	0	0	100
07:00	0	0	2	0	0	0	0	0	0	0	2	34	0	0	3	0	0	0	0	0	19	6	4	0	0	0	0	0	1	16	4	0	0	0	0	0	0	0	0	91
07:15	1	3	0	0	0	0	0	0	0	0	4	35	1	0	0	0	0	0	0	0	25	5	3	0	0	0	0	0	1	16	1	0	1	0	0	0	0	0	0	96
07:30	0	4	0	0	0	0	0	0	0	0	3	31	2	0	0	0	0	0	0	0	17	6	1	0	0	0	0	1	0	24	5	0	1	0	0	0	0	0	0	95
07:45	1	4	0	0	1	0	0	0	0	0	3	40	0	0	0	0	0	0	0	0	27	7	6	0	0	0	0	1	0	19	5	0	2	0	0	0	0	0	0	116
08:00	0	3	0	0	0	0	0	0	0	0	2	42	2	0	0	0	0	0	0	0	26	10	3	1	0	0	0	0	1	29	16	0	2	0	0	0	0	0	0	137
08:15	**3**	**1**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**3**	**23**	**1**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**23**	**8**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**34**	**9**	**0**	**3**	**0**	**0**	**0**	**0**	**1**	**120**
08:30	**2**	**4**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**6**	**48**	**7**	**1**	**2**	**0**	**0**	**0**	**0**	**0**	**22**	**4**	**9**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**3**	**31**	**6**	**0**	**3**	**0**	**0**	**0**	**0**	**151**
08:45	**3**	**6**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**2**	**1**	**51**	**2**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**16**	**11**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**23**	**12**	**0**	**1**	**0**	**0**	**0**	**0**	**137**
09:00	**2**	**7**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**7**	**34**	**5**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**24**	**13**	**7**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**4**	**42**	**8**	**0**	**2**	**0**	**0**	**0**	**0**	**158**
09:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Period 2																																								
11:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45	2	4	0	1	0	0	0	0	0	1	10	39	3	0	1	0	0	0	0	1	8	10	8	0	0	0	0	0	0	1	2	41	23	0	3	0	0	0	0	158
12:00	3	14	3	1	0	1	0	0	0	1	9	36	3	1	2	0	0	0	0	2	19	9	10	0	0	1	0	0	0	2	3	35	11	0	2	0	0	0	0	168
12:15	**3**	**10**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**10**	**57**	**8**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**15**	**7**	**11**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**2**	**36**	**22**	**1**	**0**	**2**	**0**	**0**	**0**	**194**
12:30	**6**	**8**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**12**	**46**	**5**	**0**	**1**	**1**	**0**	**0**	**0**	**2**	**26**	**14**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**4**	**34**	**24**	**0**	**2**	**0**	**0**	**0**	**0**	**196**
12:45	**2**	**4**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**10**	**41**	**7**	**0**	**4**	**0**	**0**	**0**	**0**	**0**	**20**	**11**	**16**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**4**	**44**	**19**	**0**	**1**	**0**	**0**	**0**	**0**	**191**
13:00	**3**	**14**	**5**	**1**	**1**	**1**	**0**	**0**	**0**	**1**	**4**	**38**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**11**	**11**	**7**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**5**	**49**	**16**	**2**	**0**	**2**	**0**	**0**	**0**	**178**
13:15	9*	14*	2*	0*	0*	0*	0*	0*	0*	1*	9*	47*	4*	0*	0*	0*	0*	0*	0*	0*	15*	15*	7*	2*	0*	0*	0*	0*	0*	3*	2*	45*	22*	0*	0*	0*	0*	0*	0*	197*
13:30	5*	11*	1*	1*	0*	0*	0*	0*	0*	1*	14*	49*	2*	1*	2*	0*	0*	0*	0*	1*	14*	10*	9*	0*	0*	0*	0*	0*	0*	2*	0*	46*	21*	0*	2*	0*	0*	0*	1*	193*
13:45	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Period 3																																								
15:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:15	2	11	1	0	0	0	0	0	0	1	14	47	4	0	3	0	0	0	0	0	15	6	8	1	0	0	0	0	4	2	68	22	0	1	0	0	0	0	1	211
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16:15	3	6	0	0	1	0	0	0	0	0	9	52	4	0	0	0	0	0	0	0	15	8	7	0	1	0	0	0	0	2	2	79	27	0	0	0	0	0	0	216
16:30	3	13	1	0	0	0	0	0	0	1	15	31	3	1	0	0	0	0	0	2	18	9	4	0	0	0	0	0	3	0	62	33	1	0	2	0	0	0	0	202
16:45	**2**	**13**	**5**	**0**	**1**	**0**	**0**	**0**	**0**	**2**	**10**	**40**	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**21**	**7**	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**72**	**40**	**0**	**1**	**0**	**0**	**0**	**0**	**229**
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18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Hourly Road Noise Predictions based on ITE Traffic Distribution - Westney Road South

Type of Traffic Distribution: Residential Area

AADT:	6,680	
Roadway:	**Westney Rd S**	
AADT:	6,680	
MT%	0.6%	
HT%	0.6%	
Posted Speed Limit:	50	km/hr
Grade:	0%	
Growth Rate	0%	
Projected Years	0	

Hour Ending	% of AADT	Total	Cars	MT	HT	Lref	Period
0:00	3.0%	200	198	1	1	56.74	
1:00	2.4%	160	158	1	1	55.77	
2:00	0.8%	53	53	0	0	51.00	
3:00	0.3%	20	20	0	0	46.74	**Night**
4:00	0.2%	13	13	0	0	44.98	
5:00	**0.2%**	**13**	**13**	**0**	**0**	**44.98**	
6:00	0.6%	40	40	0	0	49.75	
7:00	2.7%	180	178	1	1	56.28	
8:00	5.7%	381	376	2	2	59.53	
9:00	6.9%	461	455	3	3	60.35	
10:00	4.2%	281	277	2	2	58.20	
11:00	4.1%	274	271	2	2	58.09	
12:00	4.6%	307	304	2	2	58.59	
13:00	5.3%	354	350	2	2	59.21	
14:00	5.5%	367	363	2	2	59.37	
15:00	5.2%	347	343	2	2	59.13	
16:00	6.3%	421	416	3	3	59.96	**Day**
17:00	8.5%	568	561	3	3	61.26	
18:00	8.2%	548	541	3	3	61.10	
19:00	6.8%	454	449	3	3	60.29	
20:00	6.2%	414	409	2	2	59.89	
21:00	4.7%	314	310	2	2	58.69	
22:00	4.1%	274	271	2	2	58.09	
23:00	**3.5%**	**234**	**231**	**1**	**1**	**57.41**	

Hourly Road Noise Predictions based on ITE Traffic Distribution - Finley Avenue

Type of Traffic Distribution: Residential Area

AADT:	3,490	
Roadway:	**Finley Ave**	
AADT:	3,490	
MT%	0.8%	
HT%	0.8%	
Posted Speed Limit:	50	km/hr
Grade:	0%	
Growth Rate	0%	
Projected Years	0	

Hour Ending	% of AADT	Total	Cars	MT	HT	Lref	Period
0:00	3.0%	105	103	1	1	54.35	
1:00	2.4%	84	82	1	1	53.38	
2:00	0.8%	28	27	0	0	48.61	
3:00	0.3%	10	10	0	0	44.35	**Night**
4:00	0.2%	7	7	0	0	42.59	
5:00	**0.2%**	**7**	**7**	**0**	**0**	**42.59**	
6:00	0.6%	21	21	0	0	47.36	
7:00	2.7%	94	93	1	1	53.89	
8:00	5.7%	199	196	2	2	57.13	
9:00	6.9%	241	237	2	2	57.96	
10:00	4.2%	147	144	1	1	55.81	
11:00	4.1%	143	141	1	1	55.70	
12:00	4.6%	161	158	1	1	56.20	
13:00	5.3%	185	182	1	1	56.82	
14:00	5.5%	192	189	2	2	56.98	
15:00	5.2%	181	179	1	1	56.74	
16:00	6.3%	220	216	2	2	57.57	**Day**
17:00	8.5%	297	292	2	2	58.87	
18:00	8.2%	286	282	2	2	58.71	
19:00	6.8%	237	234	2	2	57.90	
20:00	6.2%	216	213	2	2	57.50	
21:00	4.7%	164	161	1	1	56.30	
22:00	4.1%	143	141	1	1	55.70	
23:00	**3.5%**	**122**	**120**	**1**	**1**	**55.02**	

Appendix C
Sound Power Level Data

Sound Power Level Data – Stationary Sources

Name	Source	Octave Spectrum (dB)								
		63	125	250	500	1000	2000	4000	8000	dBA
Small RTU	5 Ton Carrier RTU	57	76	72	73	75	75	71	69	**81**
Truck Idling and Passby	Aercoustics Database	97	101	100	97	93	90	83	76	**99**

Sound Power Level Data – Impulse Sources

Name	Source	Octave Spectrum (dB)								
		63	125	250	500	1000	2000	4000	8000	dBAI
.308 Calibre Rifle	Aercoustics Database	120	126	135	135	135	135	130	125	**145**
.308 Calibre Rifle (Radiated through roof/ceiling)	Calculations based on estimated partition transmission loss	110	106	100	86	81	80	71	66	**95**
.308 Calibre Rifle (Radiated through façades)	Calculations based on estimated partition transmission loss	98	92	95	92	84	78	65	60	**92**

End of Report