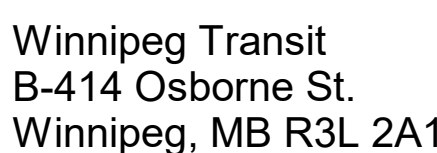
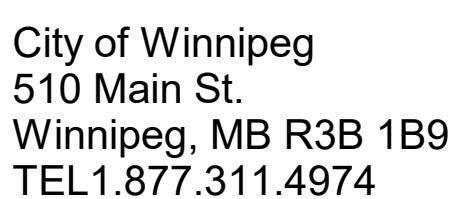




CLIENT



CONSULTANT

105 Commerce Valley Drive W
7th Floor
Markham, ON L3T 7W3
TEL 1.905.886.7022

REGISTRATION

FOR INFORMATION ONLY
NOT FOR CONSTRUCTION

ISSUE/REVISION

O	2025-02-19	ISSUED FOR TENDER
B	2024-12-06	ISSUED FOR 66% DESIGN RESUBMISSION
A	2024-08-14	ISSUED FOR 66% DESIGN
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60721079

SHEET TITLE

SECURITY & PA SYSTEMS
COVER PAGE

SHEET NUMBER

TY001

SHEET INDEX

Sheet Number	Sheet Name	Current Revision	Current Revision Date
TY001	COVER PAGE	0	2025-02-19
TY002	DRAWING LIST	0	2025-02-19
TY003	SYMBOLS AND ABBREVIATIONS	0	2025-02-19
TY100	OUTDOOR EQUIPMENT SITE LAYOUT	0	2025-02-19
TY101	BUILDING KEY PLAN	0	2025-02-19
TY200	GROUND FLOOR - OFFICE AREA - CCTV PLAN	0	2025-02-19
TY201	GROUND FLOOR - STORAGE GARAGE - CCTV PLAN	0	2025-02-19
TY202	GROUND FLOOR - MAINTENANCE GARAGE & PARTS - CCTV PLAN	0	2025-02-19
TY210	SECOND FLOOR - STORAGE GARAGE - CCTV PLAN	0	2025-02-19
TY211	SECOND FLOOR - MAINTENANCE GARAGE - CCTV PLAN	0	2025-02-19
TY300	GROUND FLOOR - OFFICE AREA - IACS & PA PLAN	0	2025-02-19
TY301	GROUND FLOOR - STORAGE GARAGE - IACS & PA PLAN	0	2025-02-19
TY302	GROUND FLOOR - MAINTENANCE GARAGE & PARTS - IACS & PA PLAN	0	2025-02-19
TY310	SECOND FLOOR - STORAGE GARAGE - IACS PLAN	0	2025-02-19
TY400	SECURITY & PA SYSTEMS BLOCK DIAGRAM	0	2025-02-19
TY401	SECURITY & PA SYSTEMS - FIBRE ARCHITECTURE DIAGRAM	0	2025-02-19
TY402	CCTV INDOOR RISER DIAGRAM	0	2025-02-19
TY403	ACCESS CONTROL RISER	0	2025-02-19
TY404	INTRUSION DETECTION RISER	0	2025-02-19
TY405	PA & INTERCOM SYSYTEM INDOOR RISER	0	2025-02-19
TY406	OUTDOOR EQUIPMENT RISER	0	2025-02-19
TY700	TYPICAL CCTV DETAILS 1	0	2025-02-19
TY701	TYPICAL CCTV DETAILS 2	0	2025-02-19
TY702	TYPICAL IACS DETAILS	0	2025-02-19
TY703	TYPICAL TURNSTILE & ADA GATE DETAILS	0	2025-02-19
TY704	TYPICAL PA DETAILS	0	2025-02-19
TY800	SECURITY & PA SYSTEMS RACK ELEVATIONS	0	2025-02-19
TY900	OUTDOOR CABLE AND CONDUIT SCHEDULE	0	2025-02-19
TY2008	FIBRE SPLICING SCHEDULE	0	2025-02-19



PROJECT

**WINNIPEG NORTH GARAGE
REPLACEMENT**
100 Oak Point Hwy, Winnipeg, MB R2R 1V

CLIENT



City of Winnipeg
510 Main St.
Winnipeg, MB R3B 1B9
TEL 1.877.311.4974



Winnipeg Transit
B-414 Osborne St.
Winnipeg, MB R3L 2A1

CONSULTANT

105 Commerce Valley Drive W
7th Floor
Markham, ON L3T 7W3
TEL 1.905.886.7022

REGISTRATION

FOR INFORMATION ONLY
NOT FOR CONSTRUCTION

ISSUE/REVISION

[illegible]

O	2025-02-19	ISSUED FOR TENDER
B	2024-12-06	ISSUED FOR 66% DESIGN RESUBMISSION
A	2024-08-14	ISSUED FOR 66% DESIGN
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60721079

SHEET TITLE

SECURITY & PA SYSTEMS

DRAWING LIST

SHEET NUMBER

TY002



PROJECT

WINNIPEG NORTH GARAGE REPLACEMENT

100 Oak Point Hwy, Winnipeg, MB R2R 1V

CLIENT



City of Winnipeg
510 Main St.
Winnipeg, MB R3B 1B9
TEL 1.877.311.4974



Winnipeg Transit
B-414 Osborne St.
Winnipeg, MB R3L 2A1

CONSULTANT

105 Commerce Valley Drive W
7th Floor
Markham, ON L3T 7W3
TEL 1.905.886.7022

REGISTRATION

FOR INFORMATION ONLY

NOT FOR CONSTRUCTION

ISSUE/REVISION

[illegible]

0	2025-02-19	ISSUED FOR TENDER
B	2024-12-06	ISSUED FOR 66% DESIGN RESUBMISSION
A	2024-08-14	ISSUED FOR 66% DESIGN
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60721079

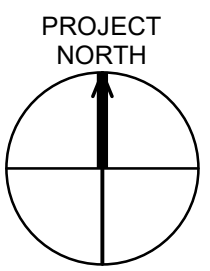
SHEET TITLE

SECURITY & PA SYSTEMS

SYMBOLS AND ABBREVIATIONS

SHEET NUMBER

TY003

**AECOM**

PROJECT
WINNIPEG NORTH GARAGE
REPLACEMENT
100 Oak Point Hwy, Winnipeg, MB R2R 1V1

CLIENT



City of Winnipeg
510 Main St.
Winnipeg, MB R3B 1B9
TEL 1.877.311.4974



Winnipeg Transit
B-414 Osborne St.
Winnipeg, MB R3L 2A1

CONSULTANT

105 Commerce Valley Drive W
7th Floor
Markham, ON L3T 7W3
TEL 1.905.886.7022

REGISTRATION

FOR INFORMATION ONLY
NOT FOR CONSTRUCTION

ISSUE/REVISION

[illegible]

Q	2025-02-19	ISSUED FOR TENDER
B	2024-12-06	ISSUED FOR 66% DESIGN RESUBMISSION
A	2024-08-14	ISSUED FOR 66% DESIGN
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60721079

SHEET TITLE

SECURITY & PA SYSTEMS

OUTDOOR EQUIPMENT SITE

LAYOUT

SHEET NUMBER

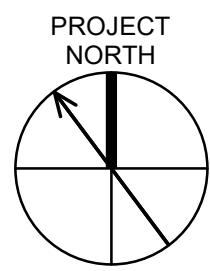
TY100

OTHER VEHICLES
ACCESS,
SUPPLIER, TOW
TRUCK, GARBAGE
TRUCK ETC.

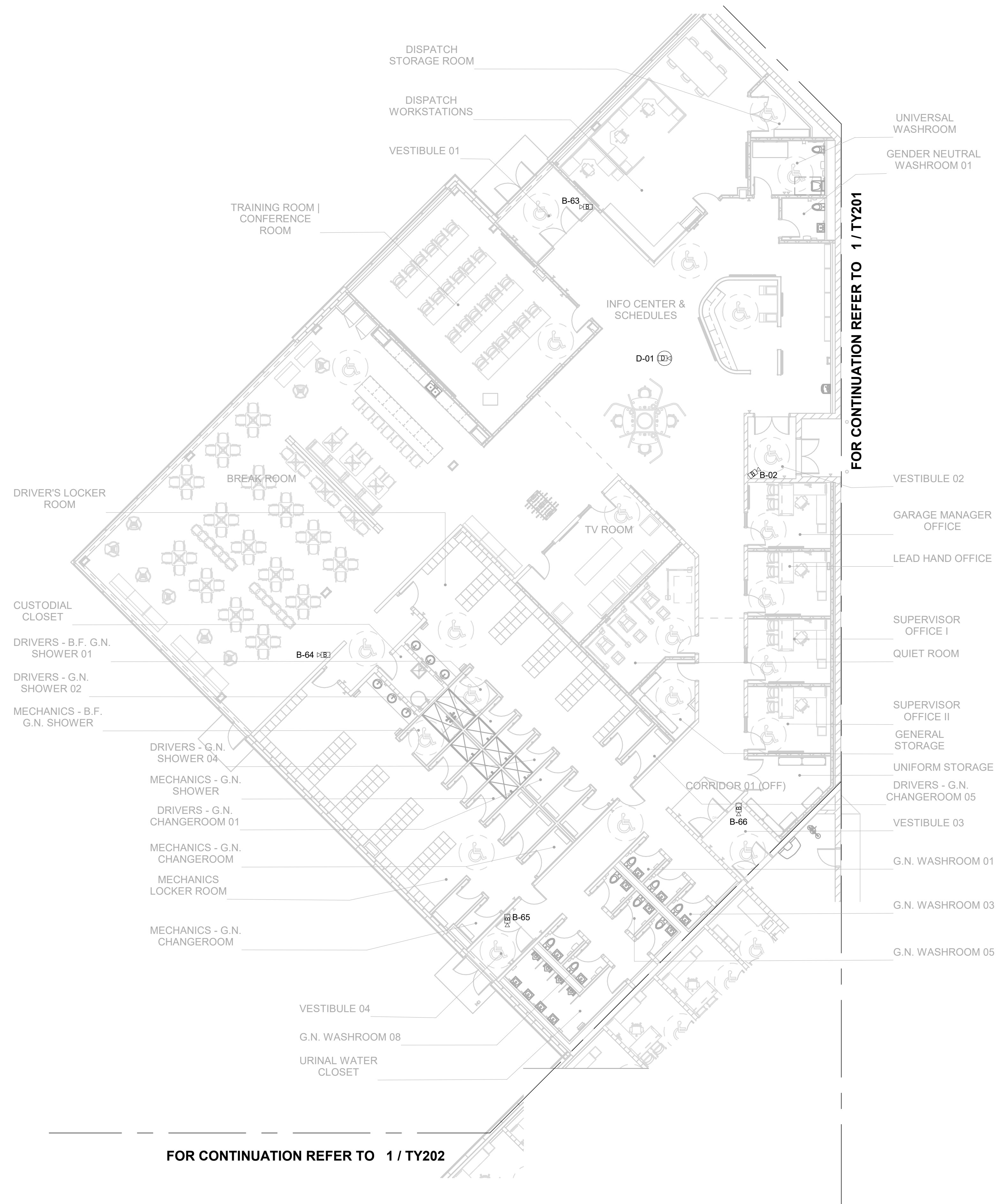
1	OUTDOOR EQUIPMENT SITE LAYOUT
TY100	1 : 750

NOTES:

1. FINAL EQUIPMENT LOCATION AND DETAILS TO BE DETERMINED IN LATER DESIGN STAGES

[illegible]

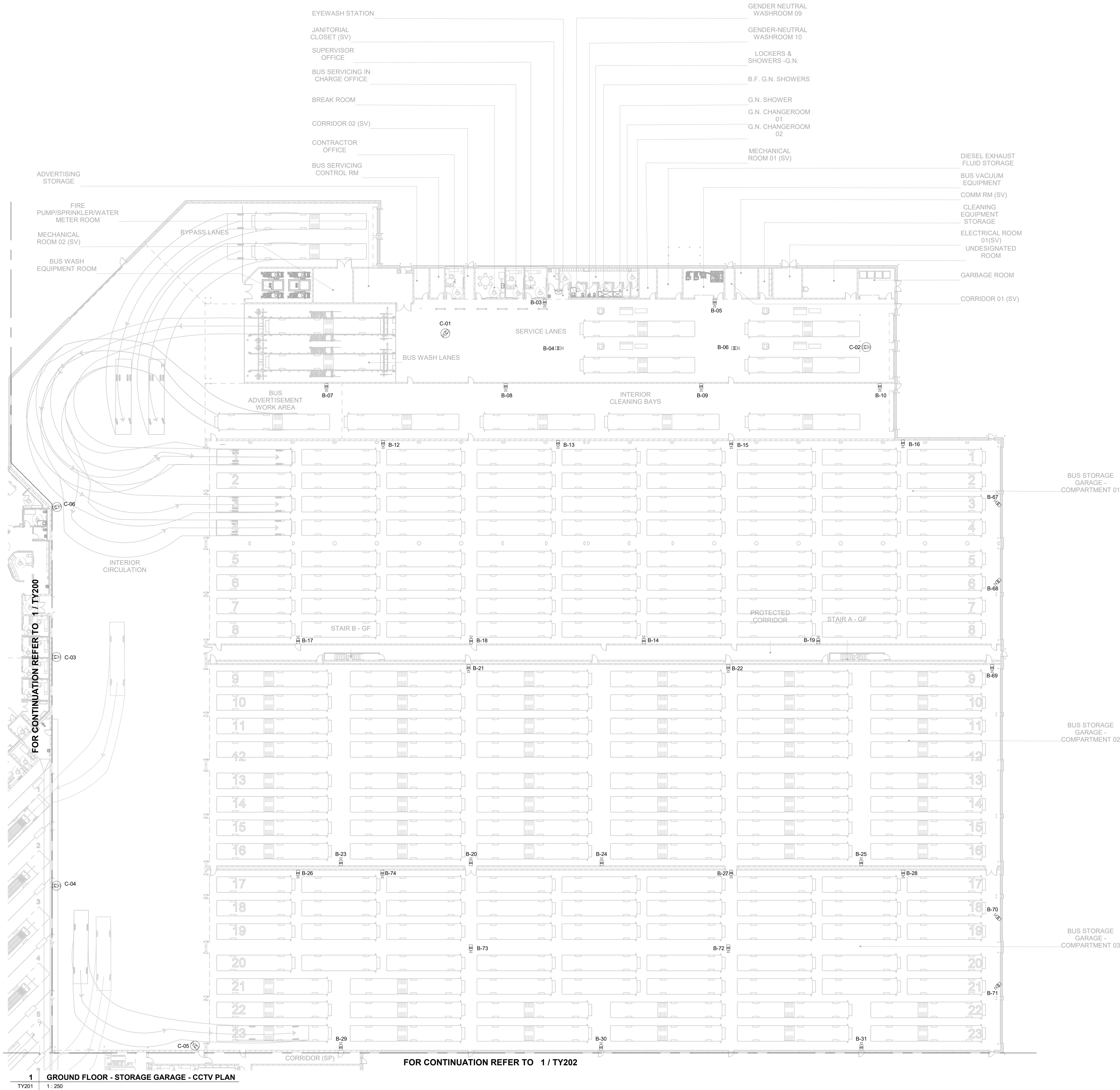
O	2025-02-19	ISSUED FOR TENDER
B	2024-12-06	ISSUED FOR 66% DESIGN RESUBMISSION
A	2024-08-14	ISSUED FOR 66% DESIGN
I/R	DATE	DESCRIPTION



1	GROUND FLOOR - OFFICE AREA - CCTV PLAN
TY200	1 : 125

NOTES:

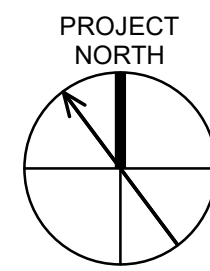
1. FINAL EQUIPMENT LOCATION AND DETAILS TO BE DETERMINED IN LATER DESIGN STAGES



1 GROUND FLOOR - STORAGE GARAGE - CCTV PLAN
TY201 1 : 250

NOTES:

1. FINAL EQUIPMENT LOCATION AND DETAILS TO BE DETERMINED IN LATER DESIGN STAGES



AECOM

PROJECT
WINNIPEG NORTH GARAGE
REPLACEMENT
100 Oak Point Hwy, Winnipeg, MB R2R 1V1

CLIENT



City of Winnipeg
510 Main St.
Winnipeg, MB R3B 1B9
TEL 1.877.311.4974



Winnipeg Transit
B-414 Osborne St.
Winnipeg, MB R3L 2A1

CONSULTANT

105 Commerce Valley Drive W
7th Floor
Markham, ON L3T 7W3
TEL 1.905.886.7022

REGISTRATION

FOR INFORMATION ONLY
NOT FOR CONSTRUCTION

ISSUE/REVISION

IR	DATE	DESCRIPTION
0	2025-02-19	ISSUED FOR TENDER
B	2024-12-06	ISSUED FOR 66% DESIGN RESUBMISSION
A	2024-08-14	ISSUED FOR 66% DESIGN

PROJECT NUMBER

60721079

SHEET TITLE

SECURITY & PA SYSTEMS
GROUND FLOOR - STORAGE
GARAGE - CCTV PLAN

SHEET NUMBER

TY201

1. FINAL EQUIPMENT LOCATION AND DETAILS TO BE DETERMINED IN LATER DESIGN STAGES

PROJECT
WINNIPEG NORTH GARAGE
REPLACEMENT
100 Oak Point Hwy, Winnipeg, MB R2R 1V

CLIENT



City of Winnipeg
510 Main St.
Winnipeg, MB R3B 1B9
TEL 1.877.311.4974



Winnipeg Transit
B-414 Osborne St.
Winnipeg, MB R3L 2A1

CONSULTANT

105 Commerce Valley Drive W
7th Floor
Markham, ON L3T 7W3
TEL 1.905.886.7022

REGISTRATION

FOR INFORMATION ONLY
NOT FOR CONSTRUCTION

ISSUE/REVISION

0	2025-02-19	ISSUED FOR TENDER
B	2024-12-06	ISSUED FOR 66% DESIGN RESUBMISSION
A	2024-08-14	ISSUED FOR 66% DESIGN
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60721079

SHEET TITLE

SECURITY & PA SYSTEMS

**SECOND FLOOR - STORAGE
GARAGE - CCTV PLAN**

SHEET NUMBER

TY210



1	SECOND FLOOR - STORAGE GARAGE - CCTV PLAN
TY210	1 : 250

NOTES:

1. FINAL EQUIPMENT LOCATION AND DETAILS TO BE DETERMINED IN LATER DESIGN STAGES

CLIENT



City of Winnipeg
510 Main St.
Winnipeg, MB R3B 1B9
TEL 1.877.311.4974



Winnipeg Transit
B-414 Osborne St.
Winnipeg, MB R3L 2A1

CONSULTANT

105 Commerce Valley Drive W
7th Floor
Markham, ON L3T 7W3
TEL 1.905.886.7022

REGISTRATION

FOR INFORMATION ONLY
NOT FOR CONSTRUCTION

ISSUE/REVISION

[illegible]

0	2025-02-19	ISSUED FOR TENDER
B	2024-12-06	ISSUED FOR 66% DESIGN RESUBMISSION
A	2024-08-14	ISSUED FOR 66% DESIGN
IR	DATE	DESCRIPTION

PROJECT NUMBER

60721079

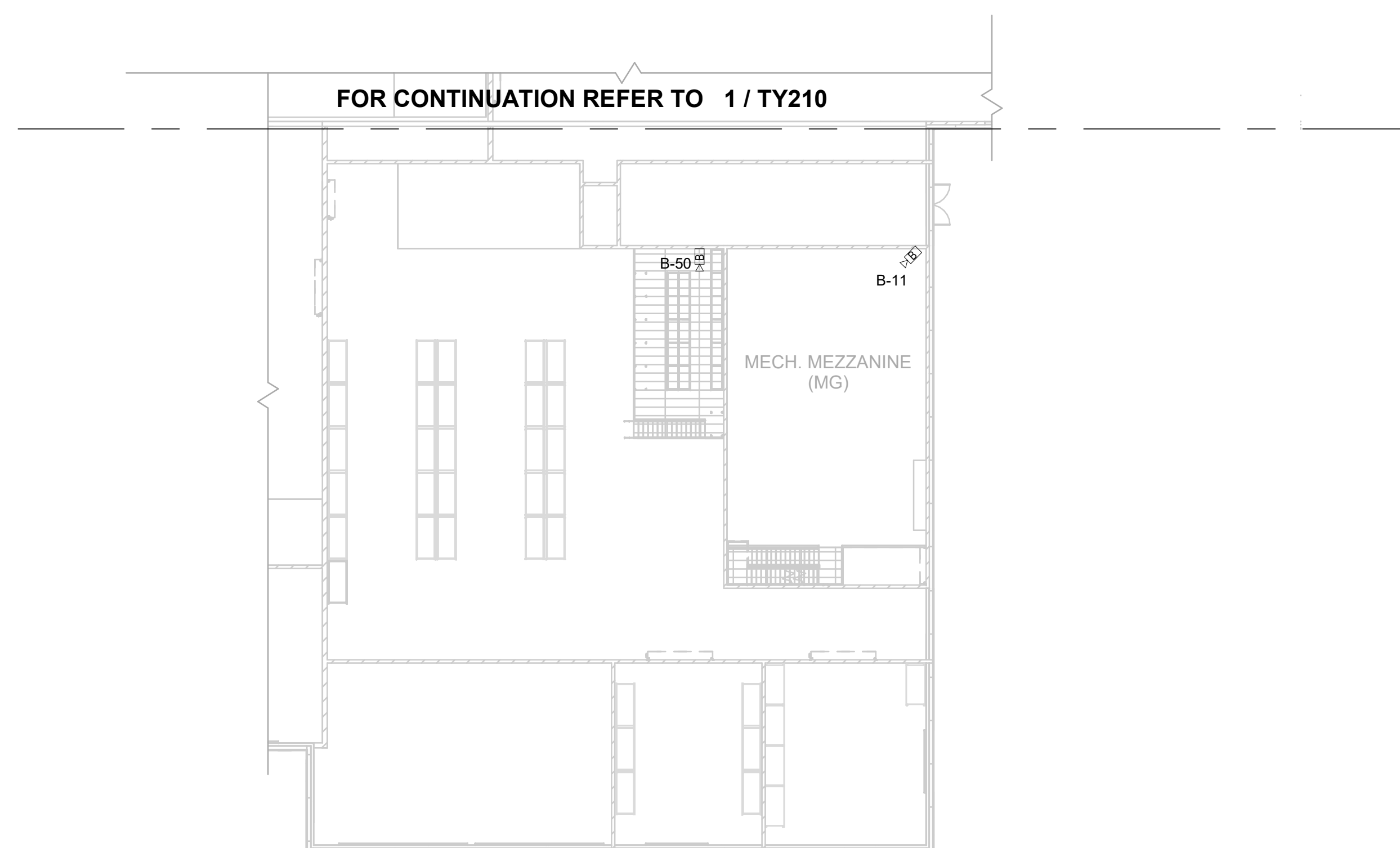
SHEET TITLE

SECURITY & PA SYSTEMS

**SECOND FLOOR -
MAINTENANCE GARAGE - CCTV
PLAN**

SHEET NUMBER

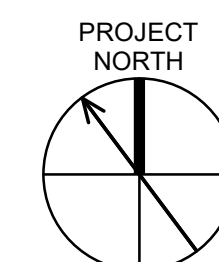
TY211



1	SECOND FLOOR - MAINTENANCE GARAGE - CCTV PLAN
TY211	1 : 250

NOTES:

1. THIS SHEET IS A PLACEHOLDER FOR FUTURE CAMERA LOCATIONS WHICH WILL BE DETERMINED AS THE DESIGN PROGRESSES.



PROJECT
WINNIPEG NORTH GARAGE
REPLACEMENT

100 Oak Point Hwy. Winnipeg, MB R2R 1V

CLIENT



City of Winnipeg
510 Main St.
Winnipeg, MB R3B 1B9
TEL 1.877.311.4974



Winnipeg Transit
B-414 Osborne St.
Winnipeg, MB R3L 2A1

CONSULTANT

105 Commerce Valley Drive W
7th Floor
Markham, ON L3T 7W3
TEL 1.905.886.7022

REGISTRATION

FOR INFORMATION ONLY
NOT FOR CONSTRUCTION

ISSUE/REVISION

[illegible]

0	2025-02-19	ISSUED FOR TENDER
B	2024-12-06	ISSUED FOR 66% DESIGN RESUBMISSION
A	2024-08-14	ISSUED FOR 66% DESIGN
IR	DATE	DESCRIPTION

PROJECT NUMBER

60721079

SHEET TITLE

SECURITY & PA SYSTEMS

GROUND FLOOR - OFFICE AREA
- JACS & PA PLAN

SHEET NUMBER

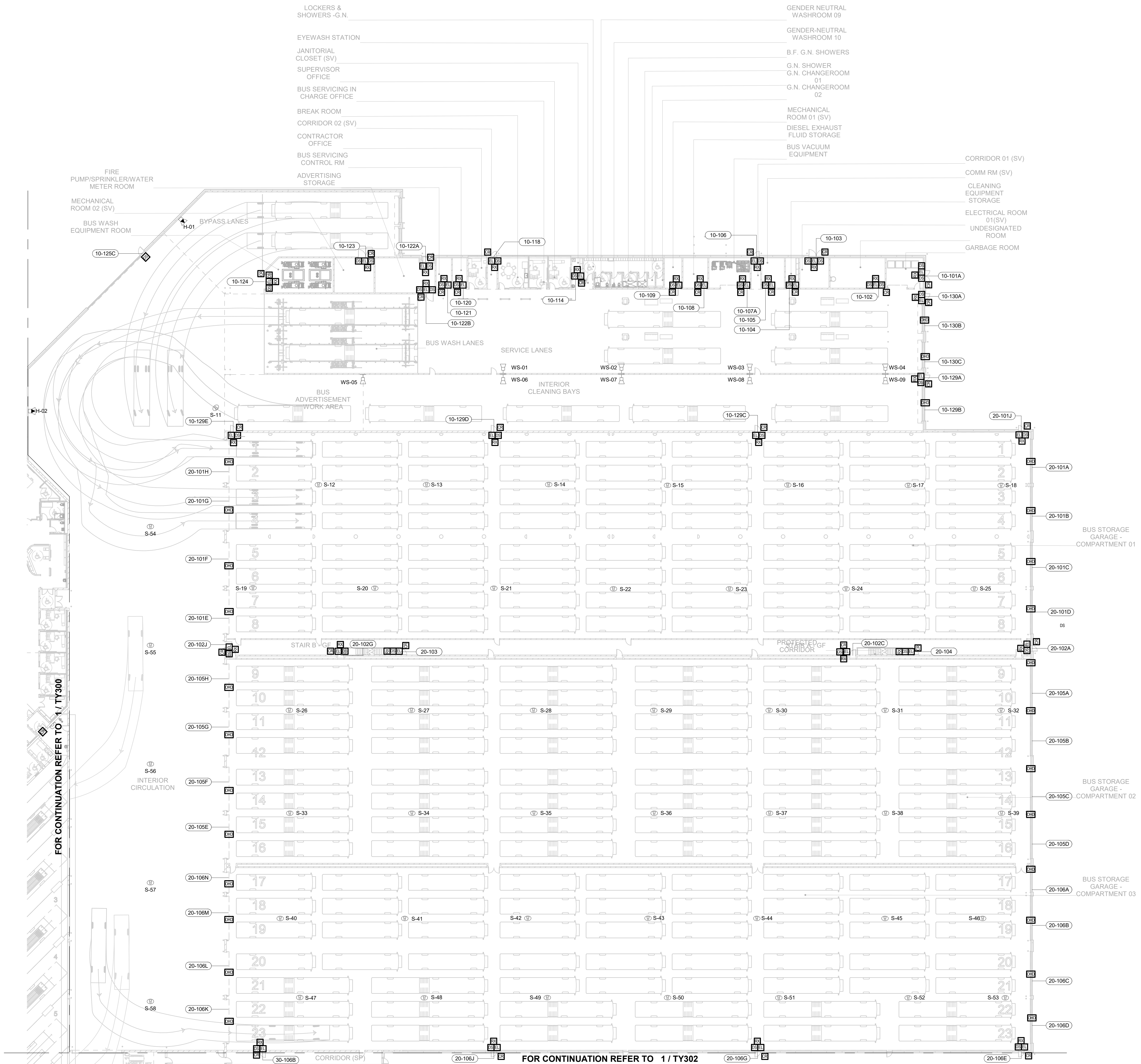
TY300



1	GROUND FLOOR - OFFICE AREA - IACS & PA PLAN
TY300	1 : 125

NOTES:

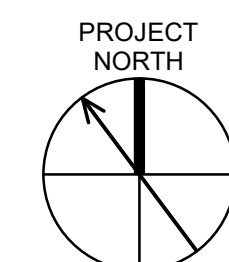
1. FINAL EQUIPMENT LOCATION AND DETAILS TO BE DETERMINED IN LATER DESIGN STAGES



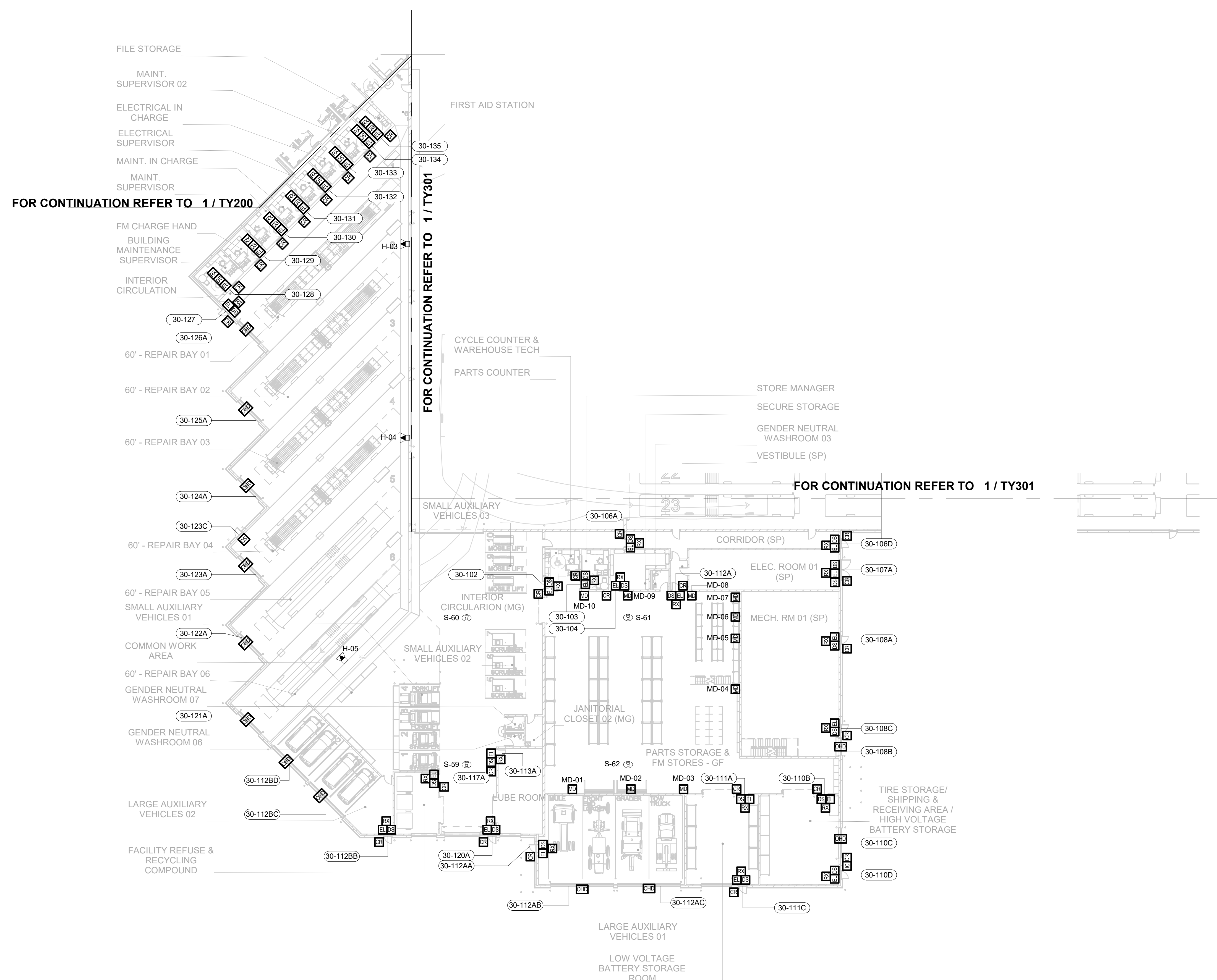
NOTES:
1. FINAL EQUIPMENT LOCATION AND DETAILS TO BE DETERMINED IN LATER DESIGN STAGES



IR	DATE	DESCRIPTION
0	2025-02-19	ISSUED FOR TENDER
B	2024-12-06	ISSUED FOR 66% DESIGN RESUBMISSION
A	2024-08-14	ISSUED FOR 66% DESIGN

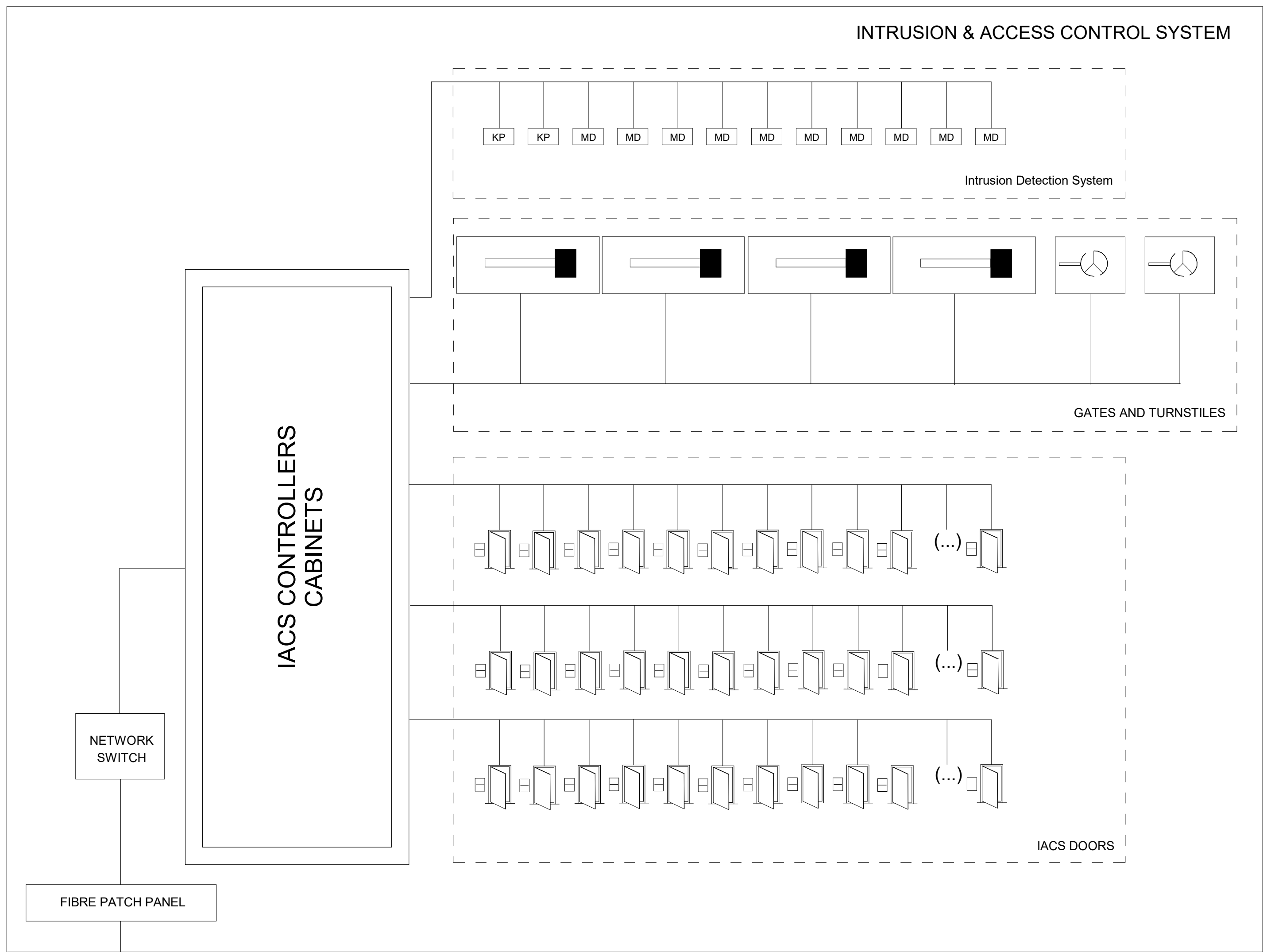
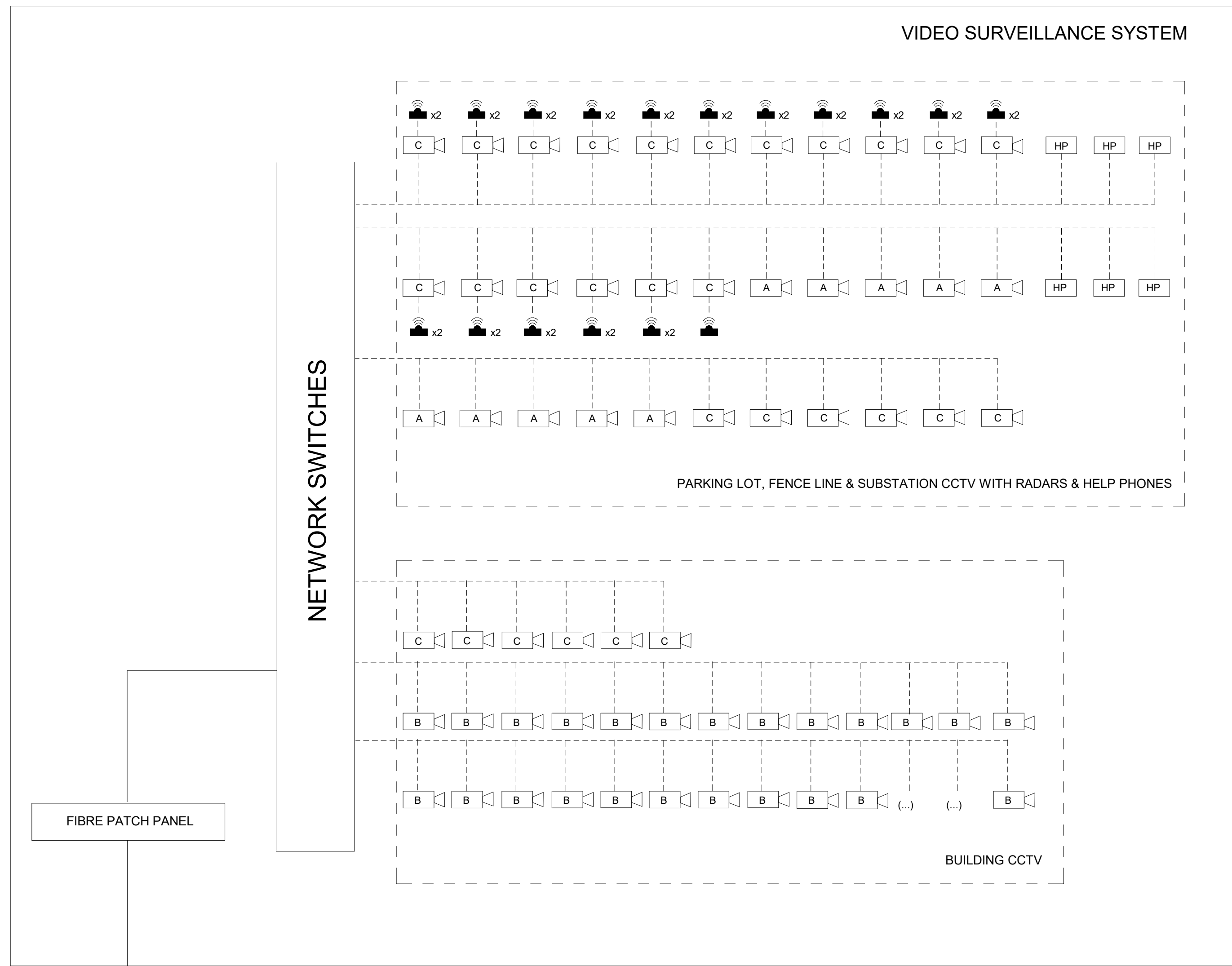


O	2025-02-19	ISSUED FOR TENDER
B	2024-12-06	ISSUED FOR 66% DESIGN RESUBMISSION
A	2024-08-14	ISSUED FOR 66% DESIGN
I/R	DATE	DESCRIPTION

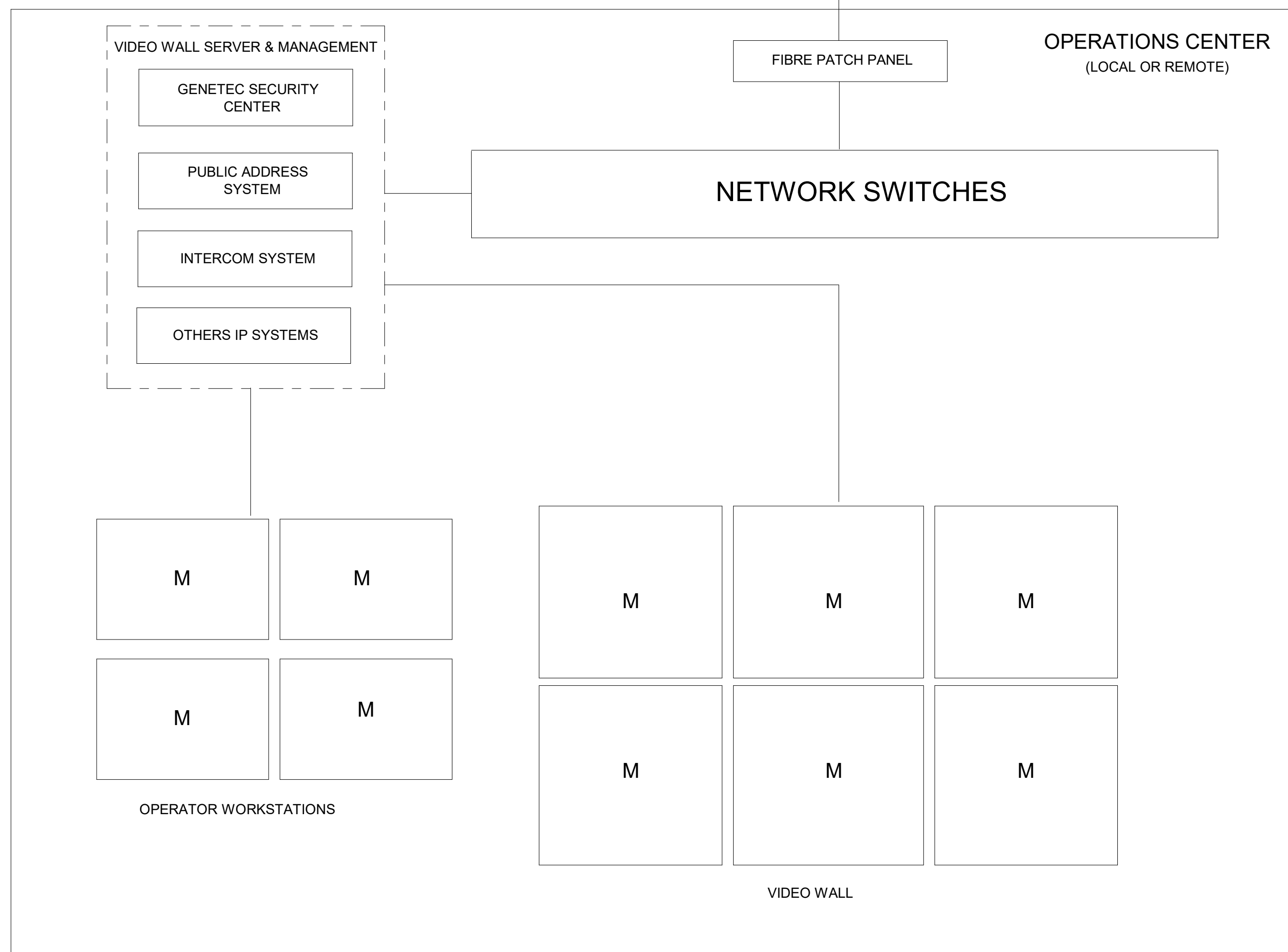
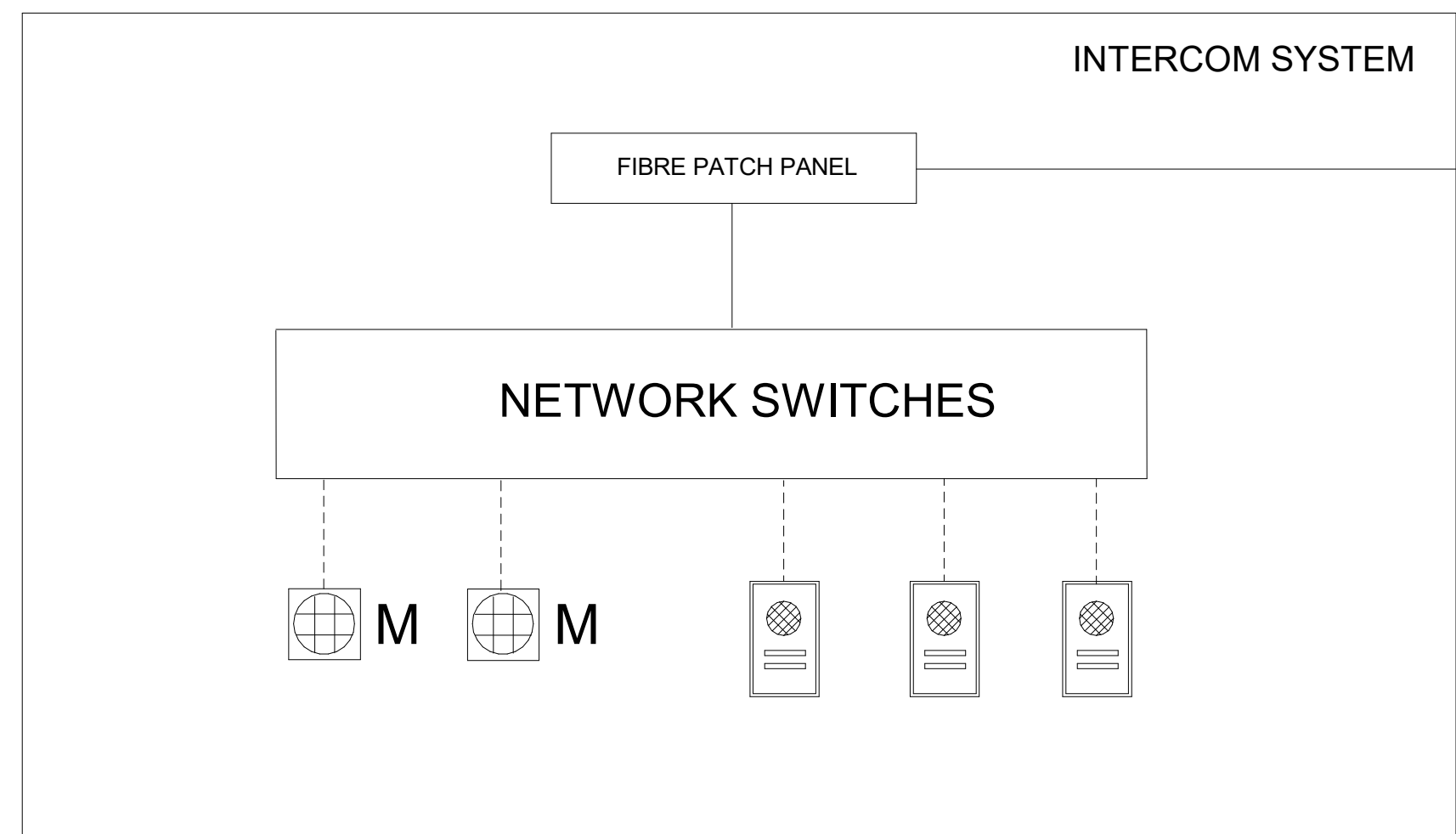
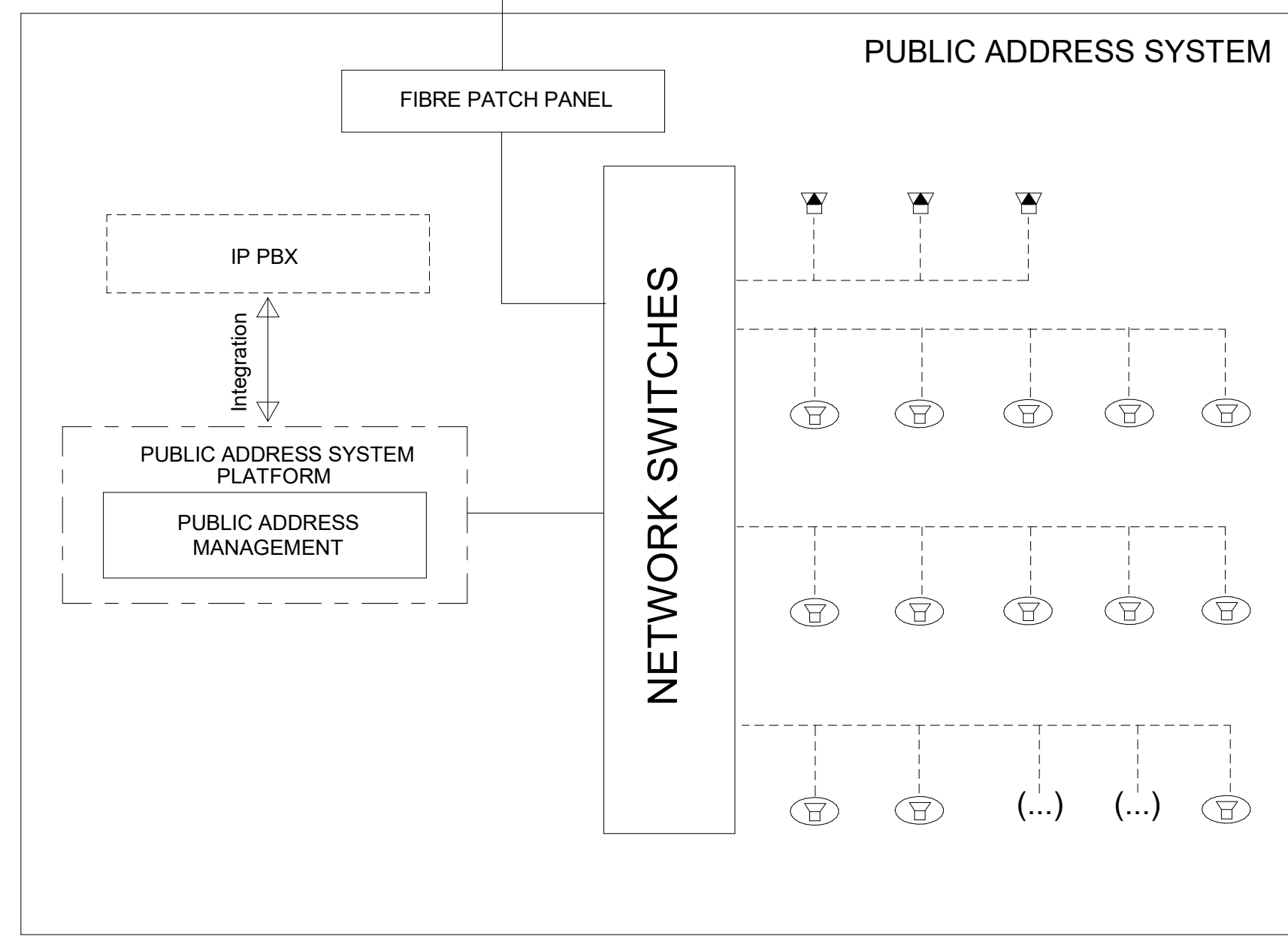
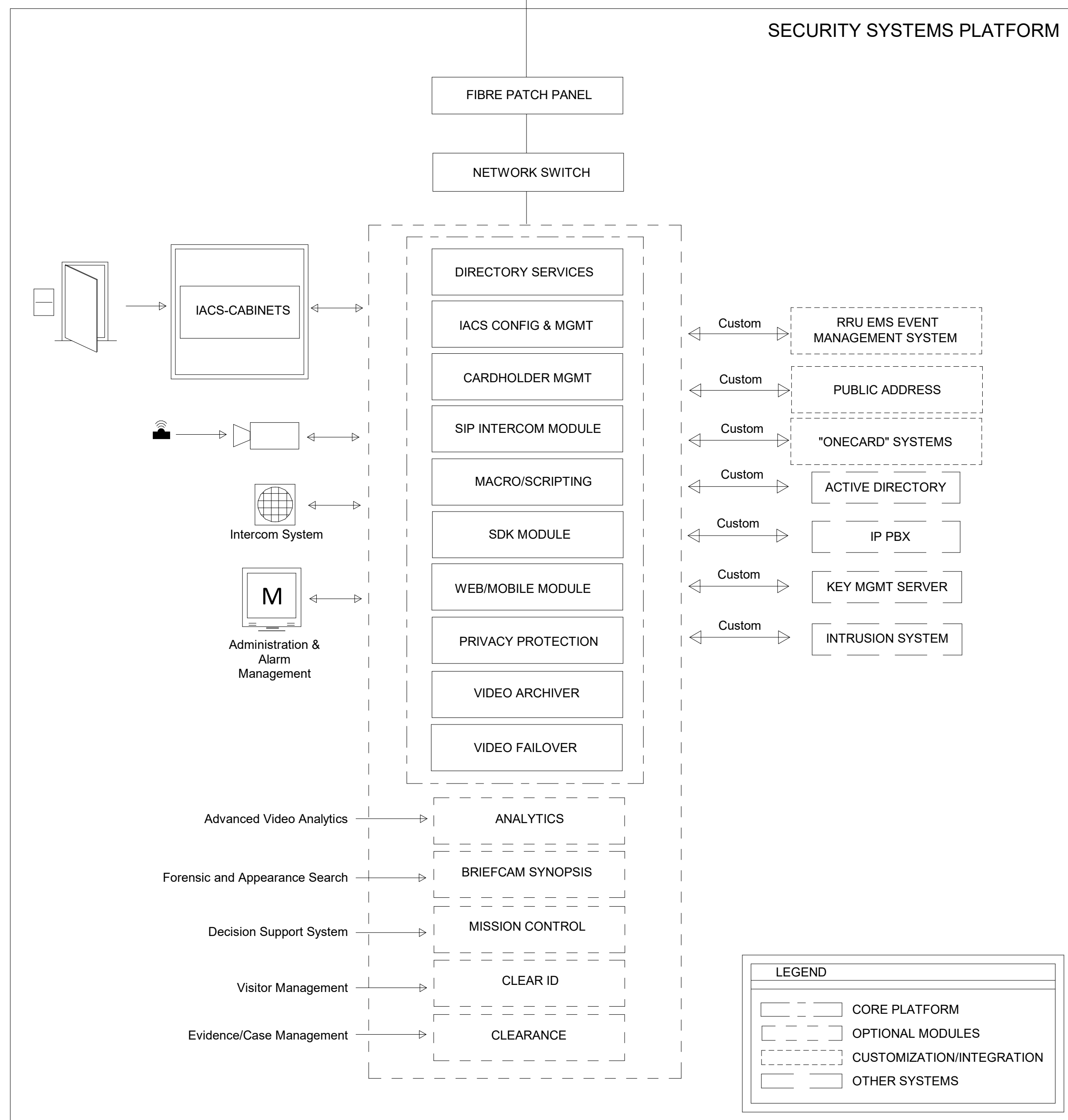


NOTES:

1. FINAL EQUIPMENT LOCATION AND DETAILS TO BE DETERMINED IN LATER DESIGN STAGES



NETWORK FIBRE INFRASTRUCTURE (BY COMMUNICATIONS)



NOTES:

- OPERATIONS CENTER SHOWN AS ILLUSTRATION ONLY AND IS OUT OF SCOPE.
- REMOTE OPERATIONS CENTER WILL REQUIRE ADDITIONAL NETWORK SETUP FOR REMOTE CONNECTION.

CLIENT



City of Winnipeg
510 Main St.
Winnipeg, MB R3B 1B9
TEL 1.877.311.4974



Winnipeg Transit
B-414 Osborne St.
Winnipeg, MB R3L 2A1

CONSULTANT

105 Commerce Valley Drive W
7th Floor
Markham, ON L3T 7W3
TEL 1.905.886.7022

REGISTRATION

FOR INFORMATION ONLY
NOT FOR CONSTRUCTION

ISSUE/REVISION

REV	DATE	DESCRIPTION
0	2025-02-19	ISSUED FOR TENDER
B	2024-12-06	ISSUED FOR 66% DESIGN RESUBMISSION
A	2024-08-14	ISSUED FOR 66% DESIGN
UR	DATE	DESCRIPTION

PROJECT NUMBER

60721079

SHEET TITLE

SECURITY & PA SYSTEMS
SECURITY & PA SYSTEMS
BLOCK DIAGRAM

SHEET NUMBER

TY400

- ©2018 AEGOM Corporation

CLIENT



City of Winnipeg
510 Main St.
Winnipeg, MB R3B 1B9
TEL 1.877.311.4974



Winnipeg Transit
B-414 Osborne St.
Winnipeg, MB R3L 2A1

CONSULTANT

105 Commerce Valley Drive W
7th Floor
Markham, ON L3T 7W3
TEL 1.905.886.7022

REGISTRATION

FOR INFORMATION ONLY
NOT FOR CONSTRUCTION

ISSUE/REVISION

[illegible]

0	2025-02-19	ISSUED FOR TENDER
B	2024-12-06	ISSUED FOR 66% DESIGN RESUBMISSION
A	2024-08-14	ISSUED FOR 66% DESIGN
IR	DATE	DESCRIPTION

PROJECT NUMBER

60721079

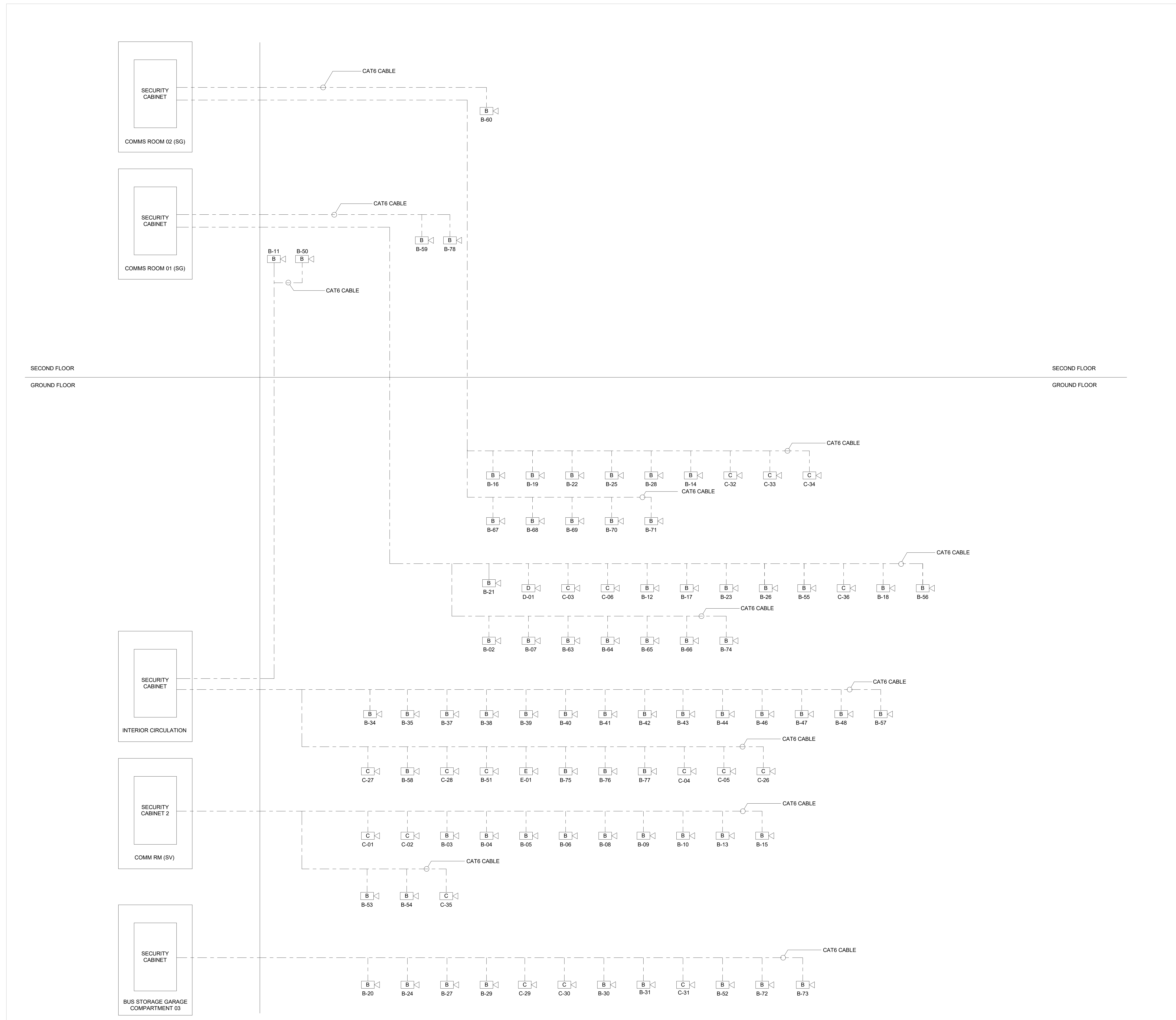
SHEET TITLE

SECURITY & PA SYSTEMS

CCTV INDOOR RISER DIAGRAM

SHEET NUMBER

TY402



NOTES:

1. REFER TO DRAWINGS SERIES #E-7000 IN THE ELECTRICAL PACKAGE FOR COMM ROOM INTERCONNECTION DETAILS

CLIENT



City of Winnipeg
510 Main St.
Winnipeg, MB R3B 1B9
TEL 1.877.311.4974



Winnipeg Transit
B-414 Osborne St.
Winnipeg, MB R3L 2A1

CONSULTANT

105 Commerce Valley Drive W
7th Floor
Markham, ON L3T 7W3
TEL 1.905.886.7022

REGISTRATION

FOR INFORMATION ONLY
NOT FOR CONSTRUCTION

ISSUE/REVISION

[illegible]

0	2025-02-19	ISSUED FOR TENDER
B	2024-12-06	ISSUED FOR 66% DESIGN RESUBMISSION
A	2024-08-14	ISSUED FOR 66% DESIGN
NR	DATE	DESCRIPTION

PROJECT NUMBER

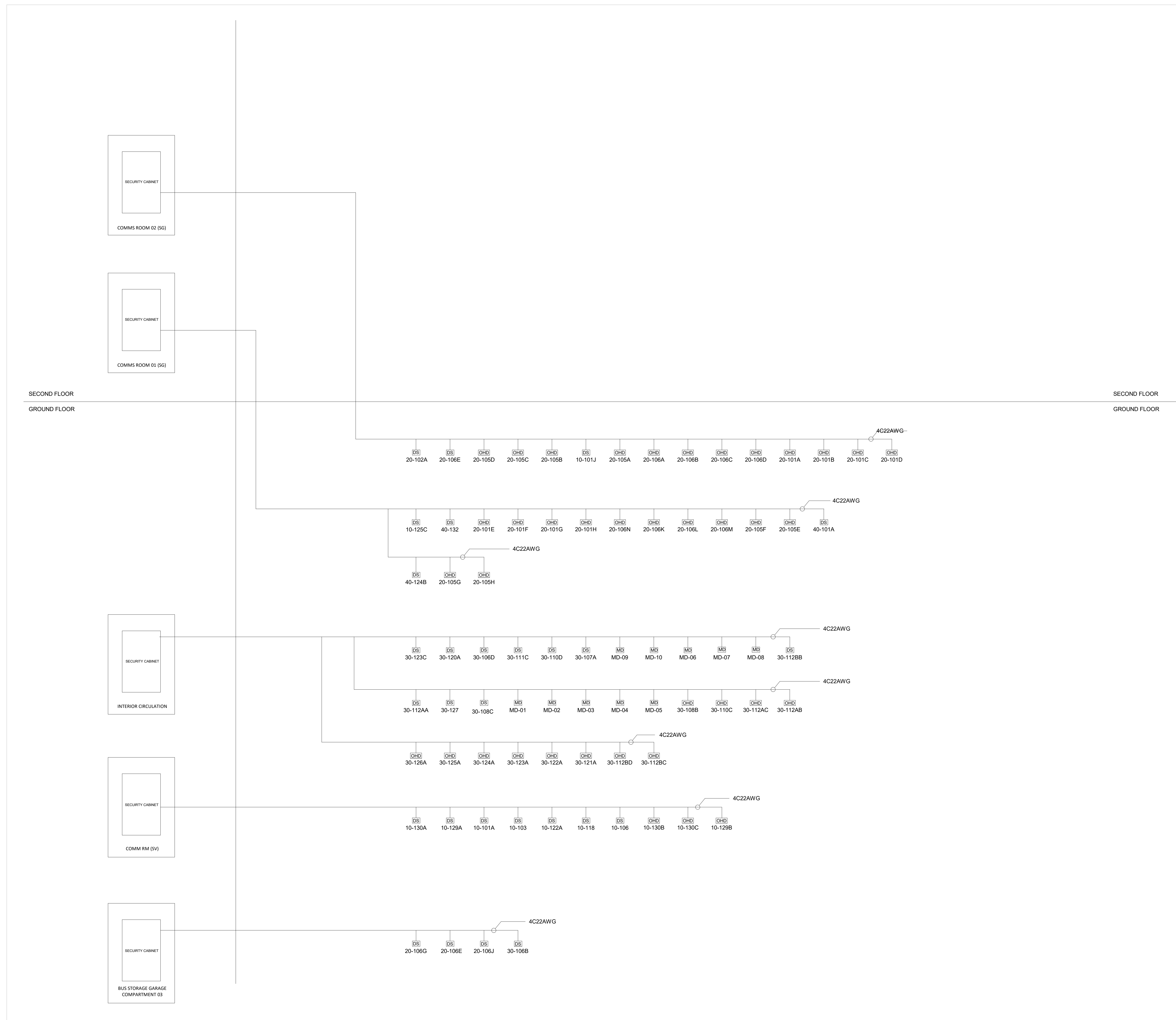
60721079

SHEET TITLE

SECURITY & PA SYSTEMS
INTRUSION DETECTION RISER

SHEET NUMBER

TY404



NOTES:

1. RISERS ILLUSTRATE CONNECTION TO RESPECTIVE HEAD END EQUIPMENT.
2. EACH DEVICE REQUIRES INDIVIDUAL CABLE FROM DEVICE TO TERMINATION LOCATION.
3. CABLES MAY BE GROUPED WHERE APPLICABLE.
4. FINAL EQUIPMENT DETAILS AND WIRING TO BE DETERMINED IN LATER DESIGN STAGES

City of Winnipeg
510 Main St.
Winnipeg, MB R3B 1B9
TEL 1.877.311.4974



Winnipeg Transit
B-414 Osborne St.
Winnipeg, MB R3L 2A1

CONSULTANT

105 Commerce Valley Drive W
7th Floor
Markham, ON L3T 7W3
TEL 1.905.886.7022

REGISTRATION

FOR INFORMATION ONLY
NOT FOR CONSTRUCTION

ISSUE/REVISION

[illegible]

0	2025-02-19	ISSUED FOR TENDER
B	2024-12-06	ISSUED FOR 66% DESIGN RESUBMISSION
A	2024-08-14	ISSUED FOR 66% DESIGN
I/R	DATE	DESCRIPTION

PROJECT NUMBER

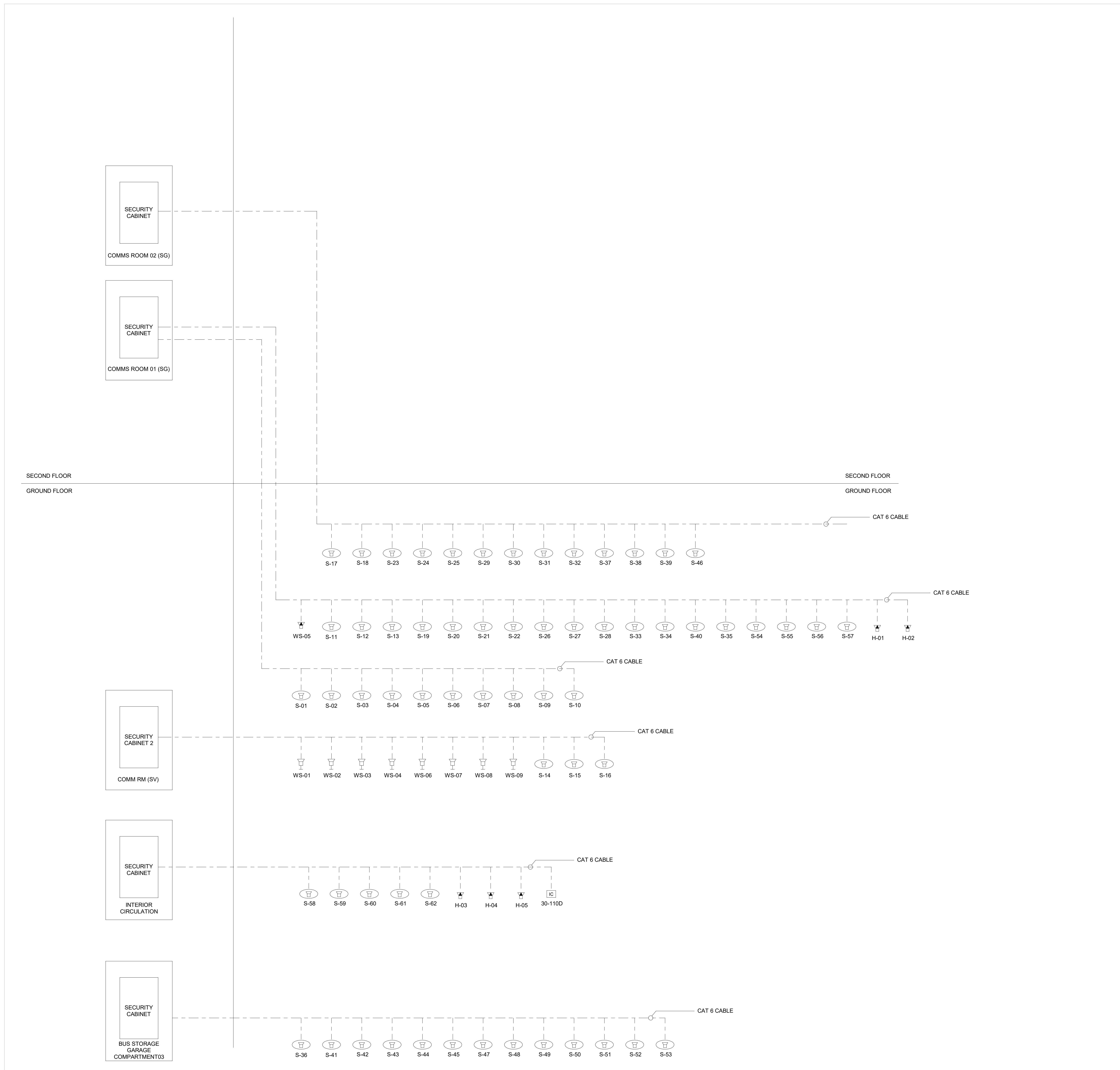
60721079

SHEET TITLE

SECURITY & PA SYSTEMS
PA & INTERCOM SYSYTEM
INDOOR RISER

SHEET NUMBER

TY405



NOTES:

1. REFER TO COMMS DRAWINGS FOR COMM ROOM INTERCONNECTION DETAILS.



- NOTES:**
- PASSIVE COMPONENTS SUCH AS CFCS AND PATCH PANELS ARE OMITTED FOR CLARITY.
 - REFER TO FIBRE SPLICE SCHEDULE FOR SPLICING DETAILS



PROJECT
WINNIPEG NORTH GARAGE REPLACEMENT
100 Oak Point Hwy, Winnipeg, MB R2R 1V1

CLIENT



City of Winnipeg
510 Main St.
Winnipeg, MB R3B 1B9
TEL 1.877.311.4974



Winnipeg Transit
B-414 Osborne St.
Winnipeg, MB R3L 2A1

CONSULTANT

105 Commerce Valley Drive W
7th Floor
Markham, ON L3T 7W3
TEL 1.905.886.7022

FOR INFORMATION ONLY

NOT FOR CONSTRUCTION

REGISTRATION

FOR INFORMATION ONLY

NOT FOR CONSTRUCTION

ISSUE/REVISION

NO.	DATE	DESCRIPTION
0	2025-02-19	ISSUED FOR TENDER
1/R	DATE	DESCRIPTION

PROJECT NUMBER

60721079

SHEET TITLE

**SECURITY & PA SYSTEMS
OUTDOOR EQUIPMENT RISER**

SHEET NUMBER

TY406

1	FIXED CAMERA
TY700	NTS

2	DUAL SENSOR CAMERA (180°)
TY700	NTS

3	MULTI-DIRECTIONAL CAMERA
TY700	NTS

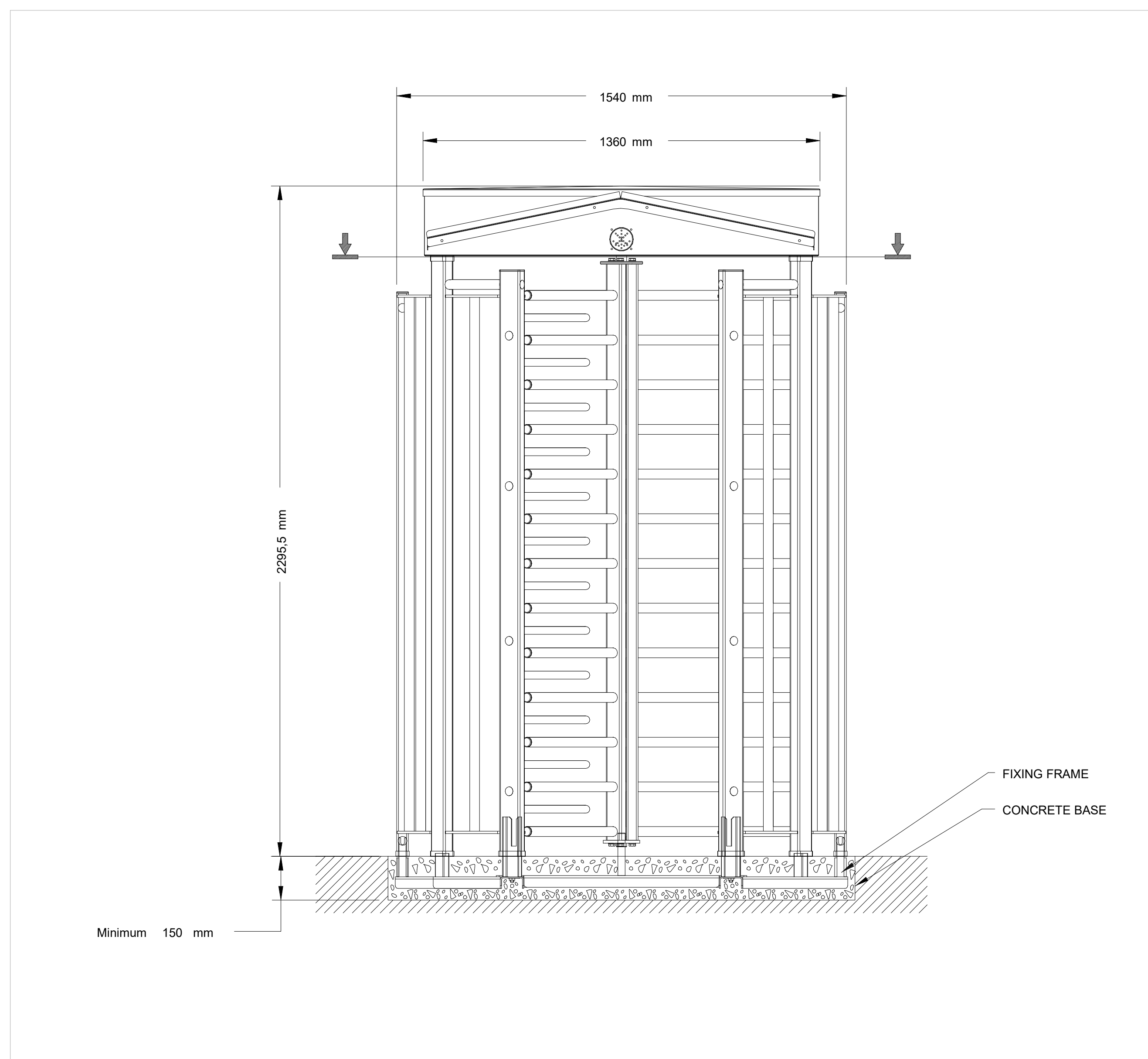
4	RECESSED CAMERA
TY700	NTS

NOTES:

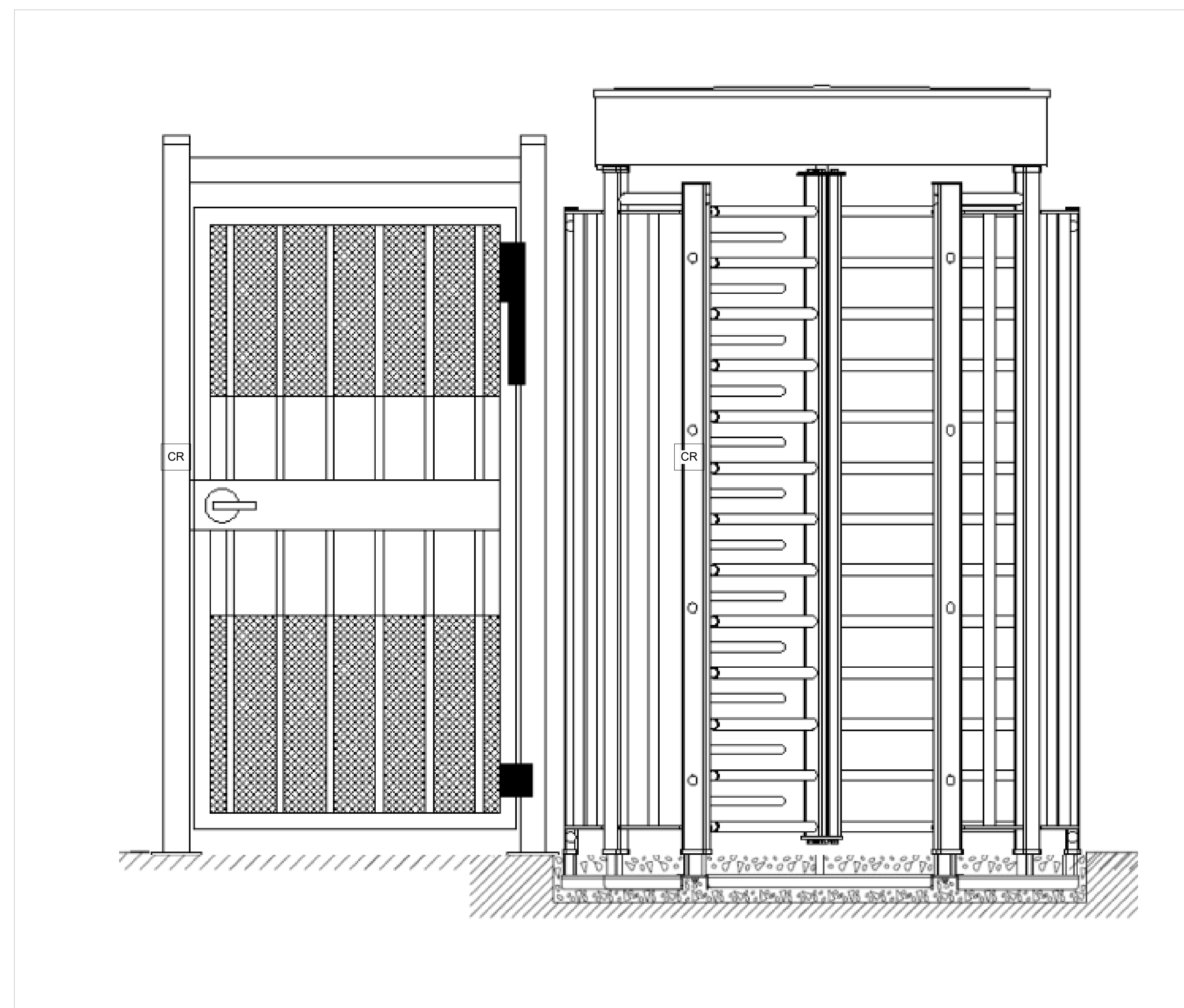
1. TYPICAL SECURITY DEVICE SHOWN FOR ILLUSTRATION PURPOSES ONLY.

1. TYPICAL SECURITY DEVICE SHOWN FOR ILLUSTRATION PURPOSES ONLY.

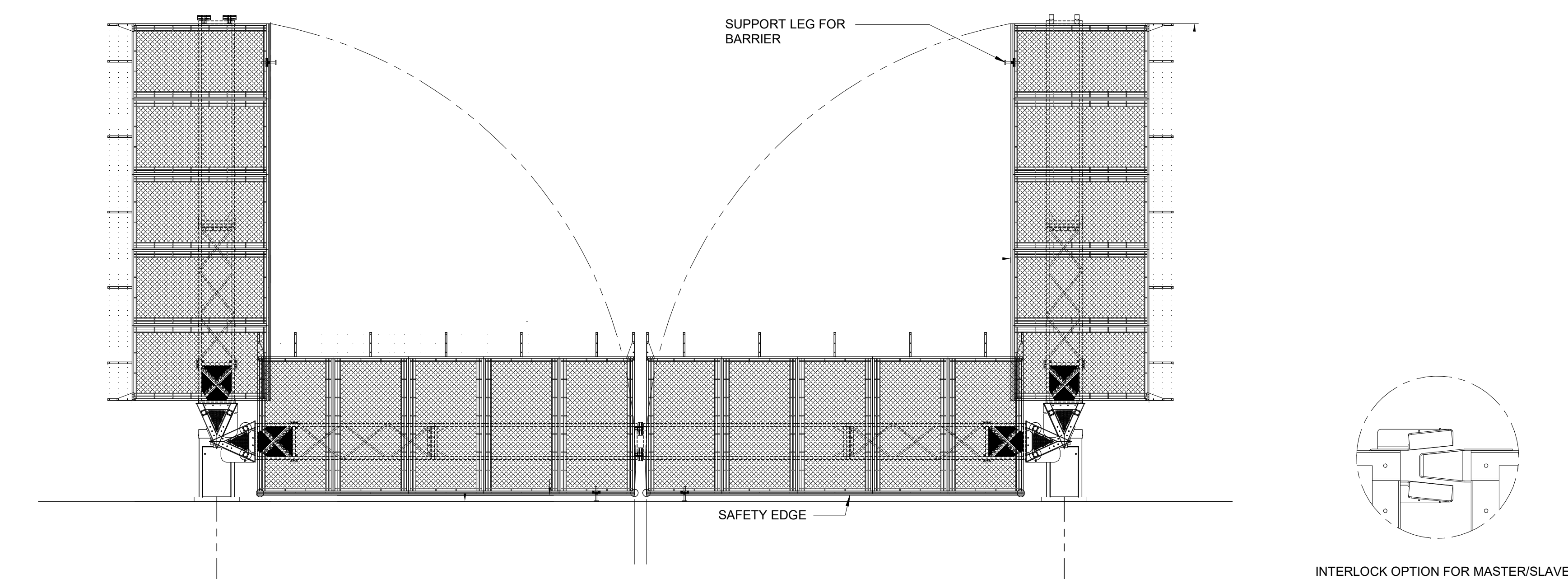
1. TYPICAL SECURITY DEVICE SHOWN FOR ILLUSTRATION PURPOSES ONLY.



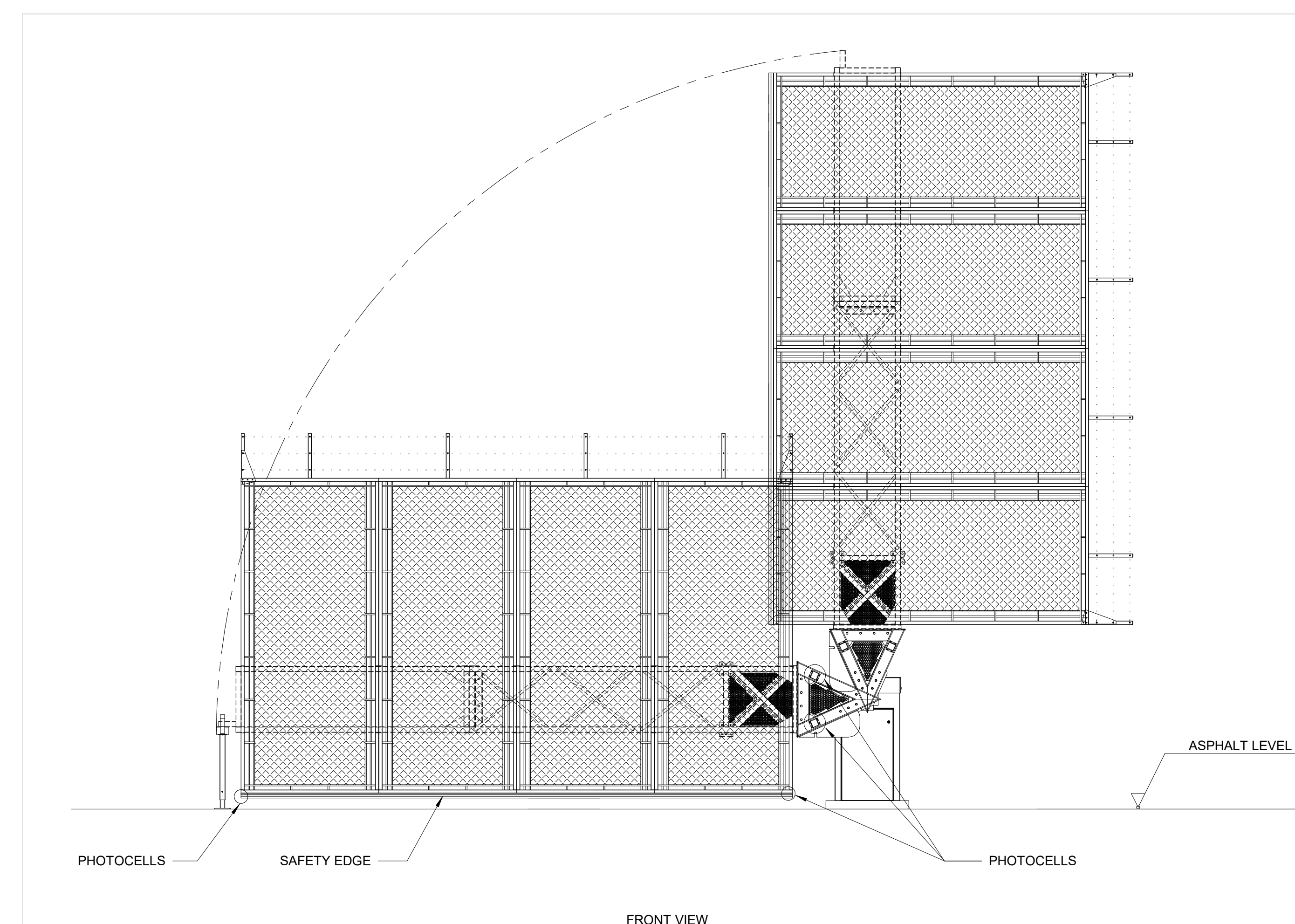
1	TYPICAL TURNSTILE GATE DETAILS
TY703	NTS



2	TYPICAL AMERICANS WITH DISABILITIES ACT (ADA) GATE DETAILS
TY703	NTS



3	VEHICLE DOUBLE GATE DETAILS
TY703	1:2



4	VEHICLE GATE DETAILS
TY703	NTS

NOTES:

1. TYPICAL SECURITY DEVICE SHOWN FOR ILLUSTRATION PURPOSES ONLY

PROJECT
WINNIPEG NORTH GARAGE
REPLACEMENT

REPLACEMENT
100 Oak Point Hwy, Winnipeg, MB R2R 1V1

CLIENT



City of Winnipeg
510 Main St.
Winnipeg, MB R3B 1B9
TEL 1.877.311.4974



Winnipeg Transit
B-414 Osborne St.
Winnipeg, MB R3L 2A1

CONSULTANT

105 Commerce Valley Drive W
7th Floor
Markham, ON L3T 7W3
TEL 1.905.886.7022

REGISTRATION

FOR INFORMATION ONLY
NOT FOR CONSTRUCTION

ISSUE/REVISION

O	2025-02-19	ISSUED FOR TENDER
B	2024-12-06	ISSUED FOR 66% DESIGN RESUBMISSION
A	2024-08-14	ISSUED FOR 66% DESIGN
J/R	DATE	DESCRIPTION

PROJECT NUMBER

60721079

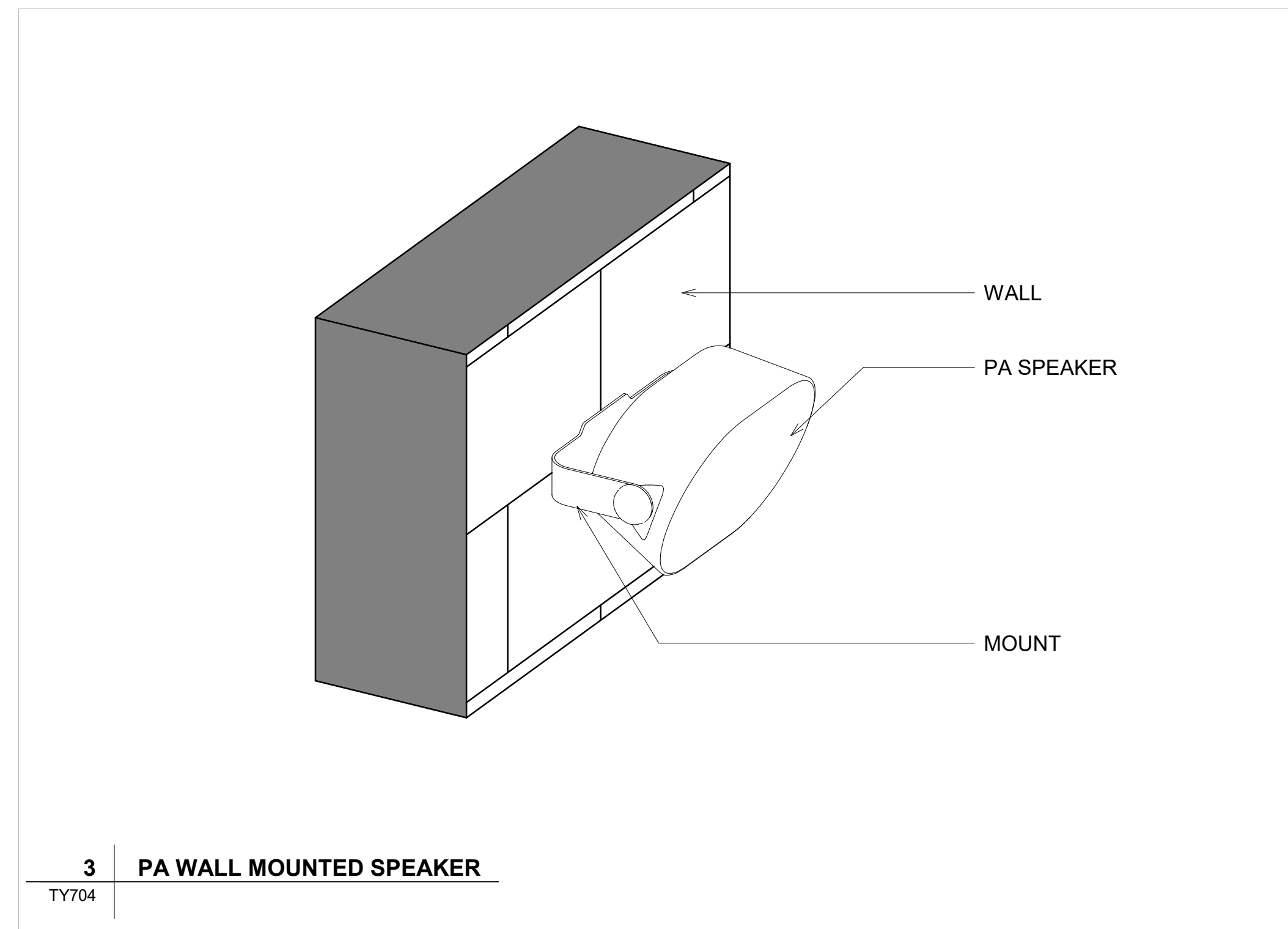
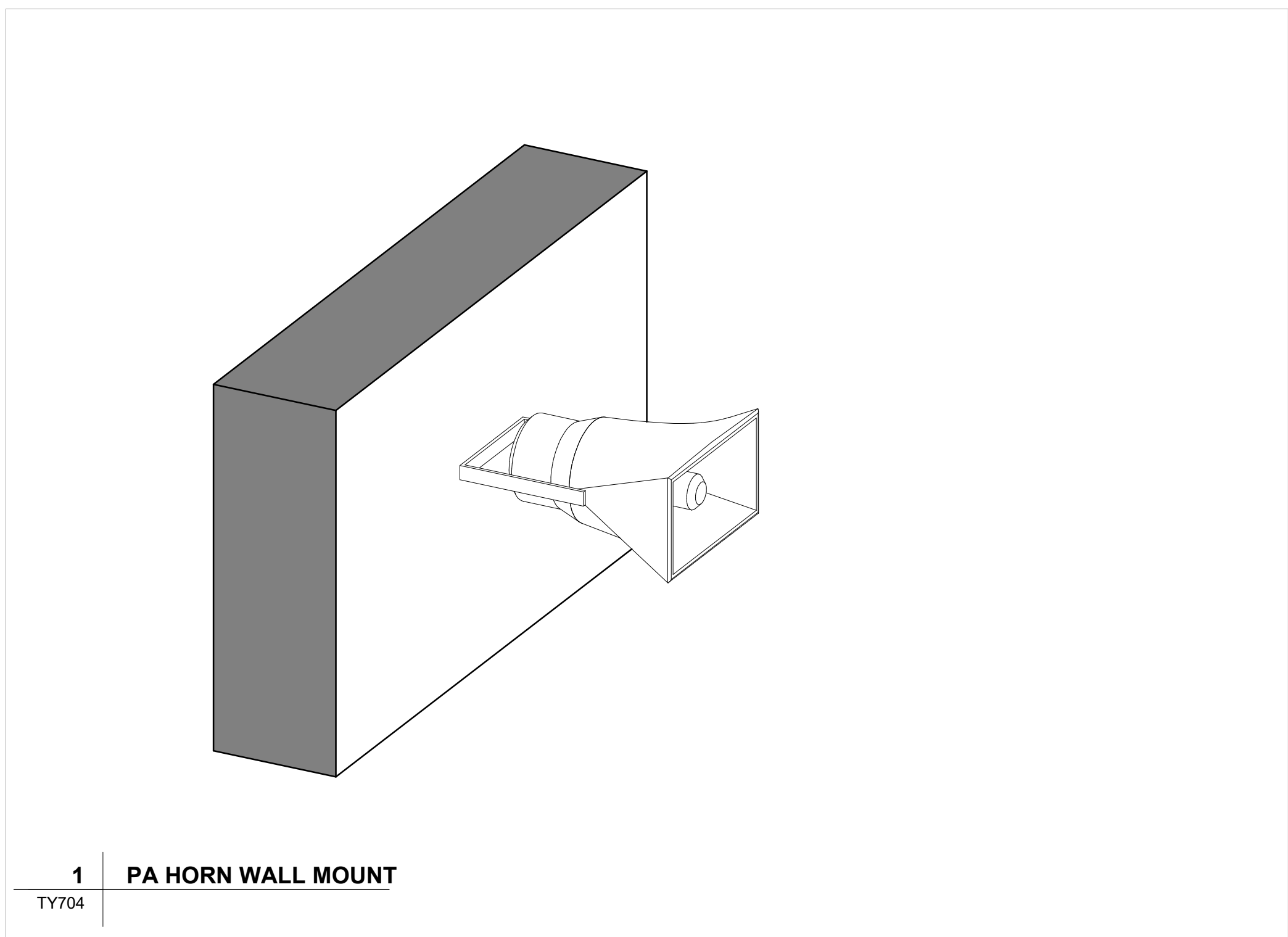
SHEET TITLE

SECURITY & PA SYSTEMS

TYPICAL TURNSTILE & ADA GATE DETAILS

SHEET NUMBER

TY703



NOTES:

1. TYPICAL PA DEVICE SHOWN FOR ILLUSTRATION PURPOSES ONLY.

PROJECT

**WINNIPEG NORTH GARAGE
REPLACEMENT**
100 Oak Point Hwy, Winnipeg, MB R2R 1V1

CLIENT



City of Winnipeg
510 Main St.
Winnipeg, MB R3B 1B9
TEL 1.877.311.4974



Winnipeg Transit
B-414 Osborne St.
Winnipeg, MB R3L 2A1

CONSULTANT

105 Commerce Valley Drive W
7th Floor
Markham, ON L3T 7W3
TEL 1.905.886.7022

REGISTRATION

FOR INFORMATION ONLY
NOT FOR CONSTRUCTION

ISSUE/REVISION

[illegible]

O	2025-02-19	ISSUED FOR TENDER
B	2024-12-06	ISSUED FOR 66% DESIGN RESUBMISSION
A	2024-08-14	ISSUED FOR 66% DESIGN
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60721079

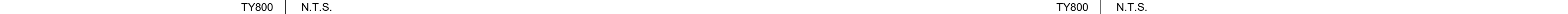
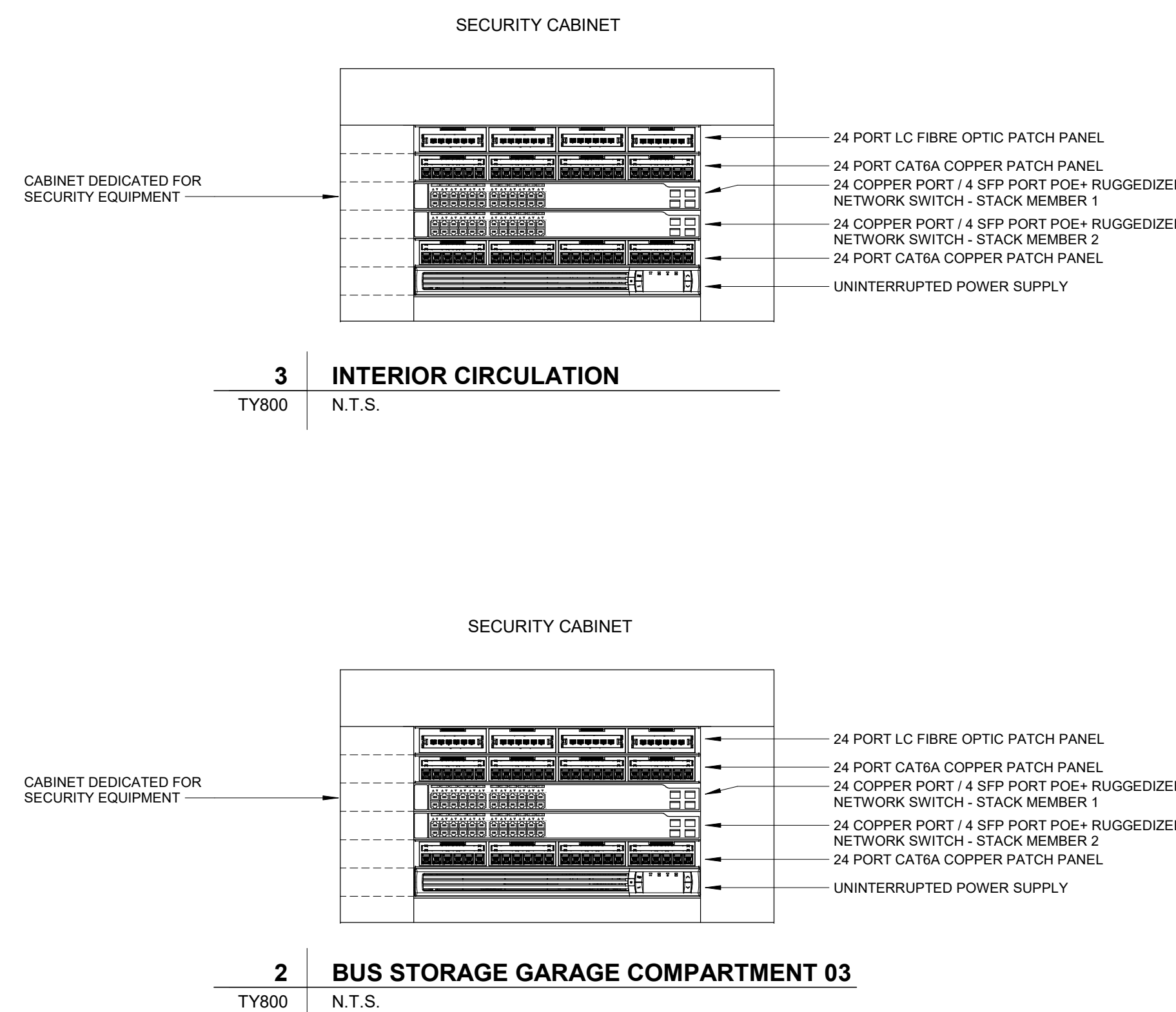
SHEET TITLE

SECURITY & PA SYSTEMS

TYPICAL PA DETAILS

SHEET NUMBER

TY704



PROJECT

WINNIPEG NORTH GARAGE REPLACEMENT

100 Oak Point Hwy, Winnipeg, MB R2R 1V

CLIENT



City of Winnipeg
510 Main St.
Winnipeg, MB R3B 1B9
TEL 1.877.311.4974



Winnipeg Transit
B-414 Osborne St.
Winnipeg, MB R3L 2A1

CONSULTANT

105 Commerce Valley Drive W
7th Floor
Markham, ON L3T 7W3
TEL 1.905.886.7022

REGISTRATION

ISSUE/REVISION

[illegible]

0	2025-02-19	ISSUED FOR TENDER
NR	DATE	DESCRIPTION

PROJECT NUMBER

60721079

SHEET TITLE

FIBRE SPLICING SCHEDULE

SHEET NUMBER

TY2008

PERIMETER FENCE FIBRE											
DESCRIPTION IN	BUFFER TUBE IN	STRAND NUMBER IN	SOURCE IN	DESTINATION IN	SPLICE LOCATION	SOURCE OUT	DESTINATION OUT	STRAND NUMBER OUT	BUFFER TUBE OUT	DESCRIPTION OUT	
PRIMARY CONNECTION FOR SW-14	1	1-2	AGGREGATION SWITCH 1 - FIBRE FIBRE PORT 1	SW-14 - FIBRE PORT 1	PULLBOX @ EMPLOYEE VEHICLE GATE	AGGREGATION SWITCH 2 - FIBRE PORT 1	SW-14 - FIBRE PORT 2	1-2	1	SECONDARY CONNECTION FOR SW-14	
PRIMARY CONNECTION FOR SW-21	1	3-4	AGGREGATION SWITCH 1 - FIBRE FIBRE PORT 2	SW-21 - FIBRE PORT 1	PULLBOX @ EMPLOYEE VEHICLE GATE	AGGREGATION SWITCH 2 - FIBRE PORT 2	SW-21 - FIBRE PORT 2	3-4	1	SECONDARY CONNECTION FOR SW-21	
PRIMARY CONNECTION FOR SW-13	1	5-6	AGGREGATION SWITCH 1 - FIBRE FIBRE PORT 3	SW-13 - FIBRE PORT 1	PULLBOX @ C-12	AGGREGATION SWITCH 2 - FIBRE PORT 3	SW-13 - FIBRE PORT 2	5-6	1	SECONDARY CONNECTION FOR SW-13	
PRIMARY CONNECTION FOR SW-12	1	7-8	AGGREGATION SWITCH 1 - FIBRE FIBRE PORT 4	SW-12 - FIBRE PORT 1	PULLBOX @ C-13	AGGREGATION SWITCH 2 - FIBRE PORT 4	SW-12 - FIBRE PORT 2	7-8	1	SECONDARY CONNECTION FOR SW-12	
PRIMARY CONNECTION FOR SW-11	1	9-10	AGGREGATION SWITCH 1 - FIBRE FIBRE PORT 5	SW-11 - FIBRE PORT 1	PULLBOX @ BUS ACCESS GATE	AGGREGATION SWITCH 2 - FIBRE PORT 5	SW-11 - FIBRE PORT 2	9-10	1	SECONDARY CONNECTION FOR SW-11	
PRIMARY CONNECTION FOR SW-10	1	11-12	AGGREGATION SWITCH 1 - FIBRE FIBRE PORT 6	SW-10 - FIBRE PORT 1	PULLBOX @ C-15	AGGREGATION SWITCH 2 - FIBRE PORT 6	SW-10 - FIBRE PORT 2	11-12	1	SECONDARY CONNECTION FOR SW-10	
PRIMARY CONNECTION FOR SW-09	2	1-2	AGGREGATION SWITCH 1 - FIBRE FIBRE PORT 7	SW-09 - FIBRE PORT 1	PULLBOX @ C-16	AGGREGATION SWITCH 2 - FIBRE PORT 7	SW-09 - FIBRE PORT 2	1-2	2	SECONDARY CONNECTION FOR SW-09	
PRIMARY CONNECTION FOR SW-08	2	3-4	AGGREGATION SWITCH 1 - FIBRE FIBRE PORT 8	SW-08 - FIBRE PORT 1	PULLBOX @ OTHER VEHICLE ACCESS GATE	AGGREGATION SWITCH 2 - FIBRE PORT 8	SW-08 - FIBRE PORT 2	3-4	2	SECONDARY CONNECTION FOR SW-08	
PRIMARY CONNECTION FOR SW-07	2	5-6	AGGREGATION SWITCH 1 - FIBRE FIBRE PORT 9	SW-07 - FIBRE PORT 1	PULLBOX @ C-18	AGGREGATION SWITCH 2 - FIBRE PORT 9	SW-07 - FIBRE PORT 2	5-6	2	SECONDARY CONNECTION FOR SW-07	
PRIMARY CONNECTION FOR SW-06	2	7-8	AGGREGATION SWITCH 1 - FIBRE FIBRE PORT 10	SW-06 - FIBRE PORT 1	PULLBOX @ C-19	AGGREGATION SWITCH 2 - FIBRE PORT 10	SW-06 - FIBRE PORT 2	7-8	2	SECONDARY CONNECTION FOR SW-06	
PRIMARY CONNECTION FOR SW-05	2	9-10	AGGREGATION SWITCH 1 - FIBRE FIBRE PORT 11	SW-05 - FIBRE PORT 1	PULLBOX @ C-20	AGGREGATION SWITCH 2 - FIBRE PORT 11	SW-05 - FIBRE PORT 2	9-10	2	SECONDARY CONNECTION FOR SW-05	
PRIMARY CONNECTION FOR SW-04	2	11-12	AGGREGATION SWITCH 1 - FIBRE FIBRE PORT 12	SW-04 - FIBRE PORT 1	PULLBOX @ C-21	AGGREGATION SWITCH 2 - FIBRE PORT 12	SW-04 - FIBRE PORT 2	11-12	2	SECONDARY CONNECTION FOR SW-04	
PRIMARY CONNECTION FOR SW-03	3	1-2	AGGREGATION SWITCH 1 - FIBRE FIBRE PORT 13	SW-03 - FIBRE PORT 1	PULLBOX @ C-22	AGGREGATION SWITCH 2 - FIBRE PORT 13	SW-03 - FIBRE PORT 2	1-2	3	SECONDARY CONNECTION FOR SW-03	
PRIMARY CONNECTION FOR SW-02	3	3-4	AGGREGATION SWITCH 1 - FIBRE FIBRE PORT 14	SW-02 - FIBRE PORT 1	PULLBOX @ C-23	AGGREGATION SWITCH 2 - FIBRE PORT 14	SW-02 - FIBRE PORT 2	3-4	3	SECONDARY CONNECTION FOR SW-02	
PRIMARY CONNECTION FOR SW-01	3	5-6	AGGREGATION SWITCH 1 - FIBRE FIBRE PORT 15	SW-01 - FIBRE PORT 1	PULLBOX @ C-07	AGGREGATION SWITCH 2 - FIBRE PORT 15	SW-01 - FIBRE PORT 2	5-6	3	SECONDARY CONNECTION FOR SW-01	
PRIMARY CONNECTION FOR SW-16	3	7-8	AGGREGATION SWITCH 1 - FIBRE FIBRE PORT 16	SW-16 - FIBRE PORT 1	PULLBOX @ C-08	AGGREGATION SWITCH 2 - FIBRE PORT 16	SW-16 - FIBRE PORT 2	7-8	3	SECONDARY CONNECTION FOR SW-16	
PRIMARY CONNECTION FOR SW-15	3	9-10	AGGREGATION SWITCH 1 - FIBRE FIBRE PORT 17	SW-15 - FIBRE PORT 1	PULLBOX @ C-09	AGGREGATION SWITCH 2 - FIBRE PORT 17	SW-15 - FIBRE PORT 2	9-10	3	SECONDARY CONNECTION FOR SW-15	
SPARE	3	11-12	SPARE	SPARE	N/A	SPARE	SPARE	11-12	3	SPARE	
SPARE	4	1-12	SPARE	SPARE	N/A	SPARE	SPARE	1-12	4	SPARE	

SUBSTATION FIBRE	
DESCRIPTION	SOURCE
PRIMARY CONNECTION FOR SW-17	AGGREGATION SWITCH 1 - FIBRE PORT 18
SECONDARY CONNECTION FOR SW-17	AGGREGATION SWITCH 2 - FIBRE PORT 18
PRIMARY CONNECTION FOR SW-22	AGGREGATION SWITCH 2 - FIBRE PORT 26
SECONDARY CONNECTION FOR SW-22	AGGREGATION SWITCH 2 - FIBRE PORT 26

STAFF PARKING LOT CABINET			
DESCRIPTION	STRAND NUMBER IN	SOURCE	DESTINATION
PRIMARY CONNECTION FOR SW-18	1-2	AGGREGATION SWITCH 1 - FIBRE PORT 19	SW-18 - FIBRE FIBRE PORT 1
SECONDARY CONNECTION FOR SW-18	3-4	AGGREGATION SWITCH 2 - FIBRE PORT 19	SW-18 - FIBRE FIBRE PORT 2
PRIMARY CONNECTION FOR SW-19	1-2	AGGREGATION SWITCH 1 - FIBRE PORT 20	SW-19 - FIBRE FIBRE PORT 1
SECONDARY CONNECTION FOR SW-19	3-4	AGGREGATION SWITCH 2 - FIBRE PORT 20	SW-19 - FIBRE FIBRE PORT 2
PRIMARY CONNECTION FOR SW-20	1-2	AGGREGATION SWITCH 1 - FIBRE PORT 21	SW-20 - FIBRE FIBRE PORT 1
SECONDARY CONNECTION FOR SW-20	3-4	AGGREGATION SWITCH 2 - FIBRE PORT 21	SW-20 - FIBRE FIBRE PORT 2

BUILDING REMOTE CABINETS			
DESCRIPTION	STRAND NUMBER IN	SOURCE	DESTINATION
PRIMARY CONNECTION FOR SECURITY SWITCHES IN COMM ROOM 01 (SG)	REFER TO COMMS	AGGREGATION SWITCH 1 - FIBRE PORT 22	SECURITY SWITCH 1 IN COMM ROOM 01 (SG) - FIBRE FIBRE PORT 1
SECONDARY CONNECTION FOR SECURITY SWITCHES IN COMM ROOM 01 (SG)	REFER TO COMMS	AGGREGATION SWITCH 2 - FIBRE PORT 22	SECURITY SWITCH 2 IN COMM ROOM 01 (SG) - FIBRE FIBRE PORT 1
PRIMARY CONNECTION FOR SECURITY SWITCHES IN COMM ROOM 02 (SG)	REFER TO COMMS	AGGREGATION SWITCH 1 - FIBRE PORT 23	SECURITY SWITCH 1 IN COMM ROOM 02 (SG) - FIBRE FIBRE PORT 1
SECONDARY CONNECTION FOR SECURITY SWITCHES IN COMM ROOM 02 (SG)	REFER TO COMMS	AGGREGATION SWITCH 2 - FIBRE PORT 23	SECURITY SWITCH 2 IN COMM ROOM 02 (SG) - FIBRE FIBRE PORT 1
PRIMARY CONNECTION FOR SECURITY SWITCHES IN COMM ROOM (SV)	REFER TO COMMS	AGGREGATION SWITCH 1 - FIBRE PORT 24	SECURITY SWITCH 1 IN COMM ROOM (SV) - FIBRE FIBRE PORT 1
SECONDARY CONNECTION FOR SECURITY SWITCHES IN COMM ROOM (SV)	REFER TO COMMS	AGGREGATION SWITCH 2 - FIBRE PORT 24	SECURITY SWITCH 2 IN COMM ROOM (SV) - FIBRE FIBRE PORT 1
PRIMARY CONNECTION FOR SECURITY SWITCHES IN DISPATCH WORKSTATIONS ROOM	REFER TO COMMS	AGGREGATION SWITCH 1 - FIBRE PORT 25	SECURITY SWITCH 1 IN DISPATCH WORKSTATIONS ROOM - FIBRE FIBRE PORT 1
SECONDARY CONNECTION FOR SECURITY SWITCHES IN DISPATCH WORKSTATIONS ROOM	REFER TO COMMS	AGGREGATION SWITCH 2 - FIBRE PORT 25	SECURITY SWITCH 2 IN DISPATCH WORKSTATIONS ROOM - FIBRE FIBRE PORT 1