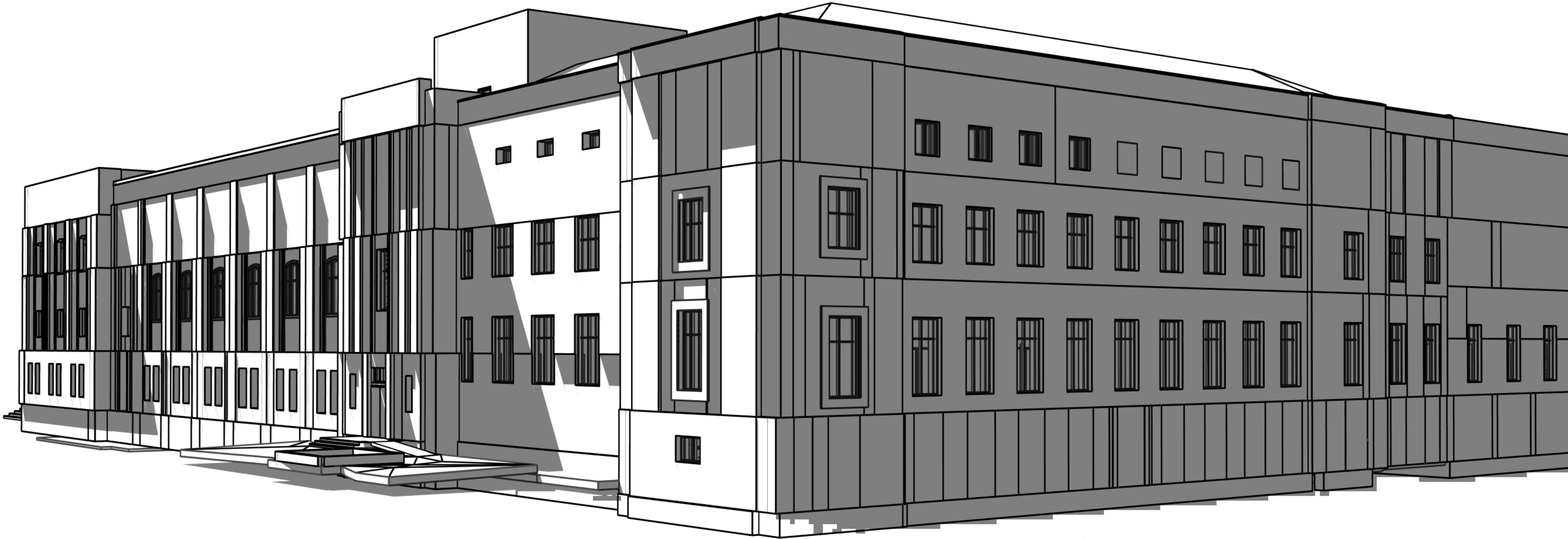


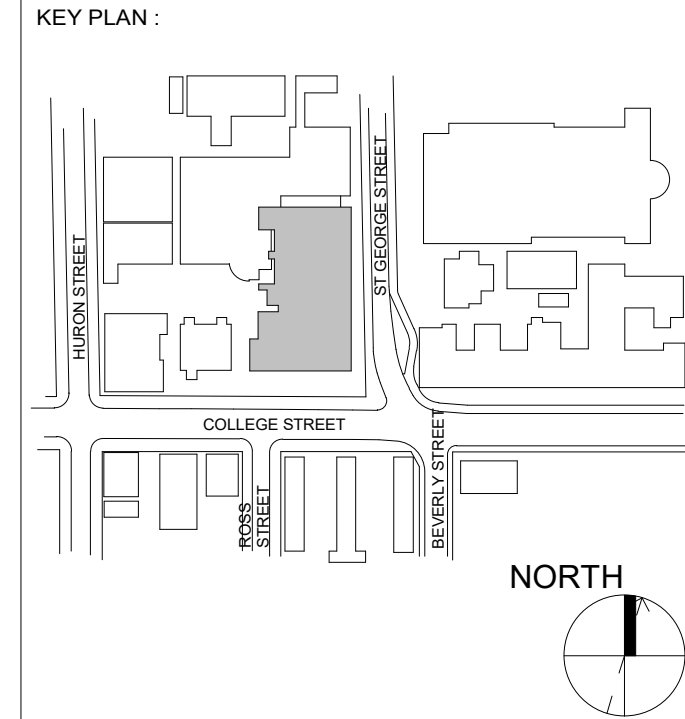
HEALTH AND WELLNESS CENTRE RENOVATION AT KOFFLER

214 COLLEGE ST, TORONTO, ON M5T 3A1

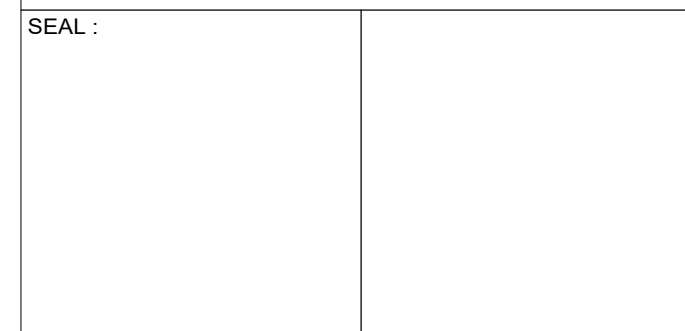


SHEET No.	SHEET NAME	SCALE
E000	COVER & DRAWING LIST - ELECTRICAL	N.T.S.
E010	LEGENDS - ELECTRICAL	N.T.S.
E020	STANDARD DETAILS - ELECTRICAL	N.T.S.
E021	STANDARD DETAILS - ELECTRICAL	N.T.S.
E022	ITALIAN ROOM PLANS	1:25
E023	LUMINAIRE SCHEDULE	N.T.S.
E024	RISER DIAGRAM	N.T.S.
E025	LIGHTING CONTROL LAYOUT	N.T.S.
E026	SINGLE LINE DIAGRAM	N.T.S.
E031	PANEL SCHEDULE	N.T.S.
E032	PANEL SCHEDULE	N.T.S.
E033	PANEL SCHEDULE	N.T.S.
E034	PANEL SCHEDULE	N.T.S.
E035	AV DIVISION OF RESPONSIBILITY MATRIX	N.T.S.
E036	STANDARD DETAILS - SECURITY	N.T.S.
E037	STANDARD DETAILS - SECURITY	N.T.S.
E038	STANDARD DETAILS - SECURITY	N.T.S.
E101	SITE PLAN - ELECTRICAL	1:200
E202	SECURITY RISER DIAGRAM	N.T.S.
E301	LEVEL 01 - POWER PLAN	1:100
E311-140	LEVEL 01 UPPER MEZZ - POWER PLAN	1:100
E302	LEVEL 02 - POWER PLAN	1:100
E303	LEVEL 03 - POWER PLAN	1:100
E305	ROOF - POWER PLAN	1:100
E306	LEVEL 03 - PATHWAY LAYOUT	1:100
E307	LEVEL 01 - PATHWAY LAYOUT	1:100
E308	LEVEL 02 - PATHWAY LAYOUT	1:100
E309	LEVEL 03 - PATHWAY LAYOUT	1:100
E401	LEVEL 01 - LIGHTING PLAN	1:100
E401-A	LEVEL 01 - LIGHTING CONTROL PLAN	1:100
E402	LEVEL 02 - LIGHTING PLAN	1:100
E402-A	LEVEL 02 - LIGHTING CONTROL PLAN	1:100
E403	LEVEL 03 - LIGHTING PLAN	1:100
E403-A	LEVEL 03 - LIGHTING CONTROL PLAN	1:100
E404	LEVEL 04 - LIGHTING PLAN	1:100
E501	LEVEL 01 - FIRE ALARM & SECURITY PLAN	1:100
E502	LEVEL 02 - FIRE ALARM & SECURITY PLAN	1:100
E503	LEVEL 03 - FIRE ALARM & SECURITY PLAN	1:100
E600	SNOWMELTING SYSTEM LAYOUT	1:25
E701	LEVEL 01 - ELECTRICAL - DEMOLITION	1:100
E702	LEVEL 02 - ELECTRICAL - DEMOLITION	1:100
E703	LEVEL 03 - ELECTRICAL - DEMOLITION	1:100
E705	LEVEL 01 EXISTING CONDUIT PLAN (FOR REFERENCE)	N.T.S.
E706	LEVEL 02 EXISTING CONDUIT PLAN (FOR REFERENCE)	N.T.S.
E707	LEVEL 03 EXISTING CONDUIT PLAN (FOR REFERENCE)	N.T.S.

NOTE:
THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH MECHANICAL, COMMUNICATIONS, SECURITY AND AV DRAWINGS TO ENSURE ALL RELEVANT DIVISION 26 SCOPE OF WORK (CONDUIT, WIRING, PATHWAYS, ETC.) IS CAPTURED. READ ALL DRAWINGS AND SPECIFICATIONS OF ALL DISCIPLINES PRIOR TO BID.



REVISION		
NO.	DATE	DESCRIPTION
1	2024-10-04	ISSUED FOR 50% PERMIT
2	2024-11-15	PERMIT
3	2024-12-04	ISSUED FOR FAS REVIEW
4	2024-12-23	ISSUED FOR FAS REVIEW
5	2025-01-24	ISSUED FOR FAS REVIEW
6	2025-01-31	ISSUED FOR BID
12	2025-04-30	ISSUED FOR CONSTRUCTION



PROJECT:
HEALTH AND WELLNESS
CENTRE RENOVATION AT
KOFFLER

214 COLLEGE ST,
TORONTO, ON M5T 3A1

SHEET CONTENTS:
**COVER & DRAWING LIST -
ELECTRICAL**

PROJECT NUMBER:
21590.003

DRAWING SCALE:
N.T.S.

DRAWN BY: CHECKED BY: DATE:

Author Checker Issue Date

SHEET NO.: **E000** REV: **12**

SECURITY ABBREVIATIONS	
E	EXISTING TO REMAIN
ER	EXISTING TO BE REMOVED
R	EXISTING TO BE RELOCATED
RR	REMOVE AND REINSTALL
WP	EXTERIOR WEATHERPROOF
JB	JUNCTION BOX
AFB	ABOVE FINISHED FLOOR
TPP	TYPICAL - TO BE INTERPRETTED AS EXACTLY THE SAME AS COMPARABLE FEATURES.
V	VOLTS
KW	KILLOWATTS
X	EXPLOSION PROOF DEVICE
WM XXX AFF	WALL MOUNTED AT XXXmm AFF. XXX INDICATES SPECIFIC HEIGHT
CM	CEILING MOUNT
ELV	ELEVATOR MOUNT
RPM	ROOF MOUNT
CAM XXX-XX	FIRST XX INDICATES FLOOR NUMBER, SECOND XX INDICATES CAMERA NUMBER
CNR XXX AFF	CORNER MOUNT AT XXXmm AFF. XXXX INDICATES SPECIFIC HEIGHT
PM XXX AFF	PENDANT MOUNT AT XXXmm AFF. XXXX INDICATES SPECIFIC HEIGHT
PTM XXX AFF	PARAPET MOUNT AT XXXmm AFF. XXXX INDICATES SPECIFIC HEIGHT
PLE XXX AFF	POLE MOUNT AT XXXmm AFF. XXXX INDICATES SPECIFIC HEIGHT
TYPE-XX	DEVICE TYPE, XX INDICATES SPECIFIC TYPE, REFER TO RELATIVE SPECIFICATIONS AND OR SCHEDULES FOR ADDITIONAL DETAILS
FUNC-XX	FUNCTION TYPE, XX INDICATES SPECIFIC CAMERA FUNCTION DESCRIPTION, FUNC 01=DETECT, FUNC 02=OBSERVE, FUNC 03=RECOGNIZE, FUNC 04=IDENTIFY REFER TO SPECIFICATIONS AND SCHEDULES FOR ADDITIONAL DETAILS.






















NOTE: NOT ALL SYMBOLS APPLY. CONTRACTOR TO REFER TO FLOOR PLANS.

13 SECURITY ABBREVIATIONS
E010

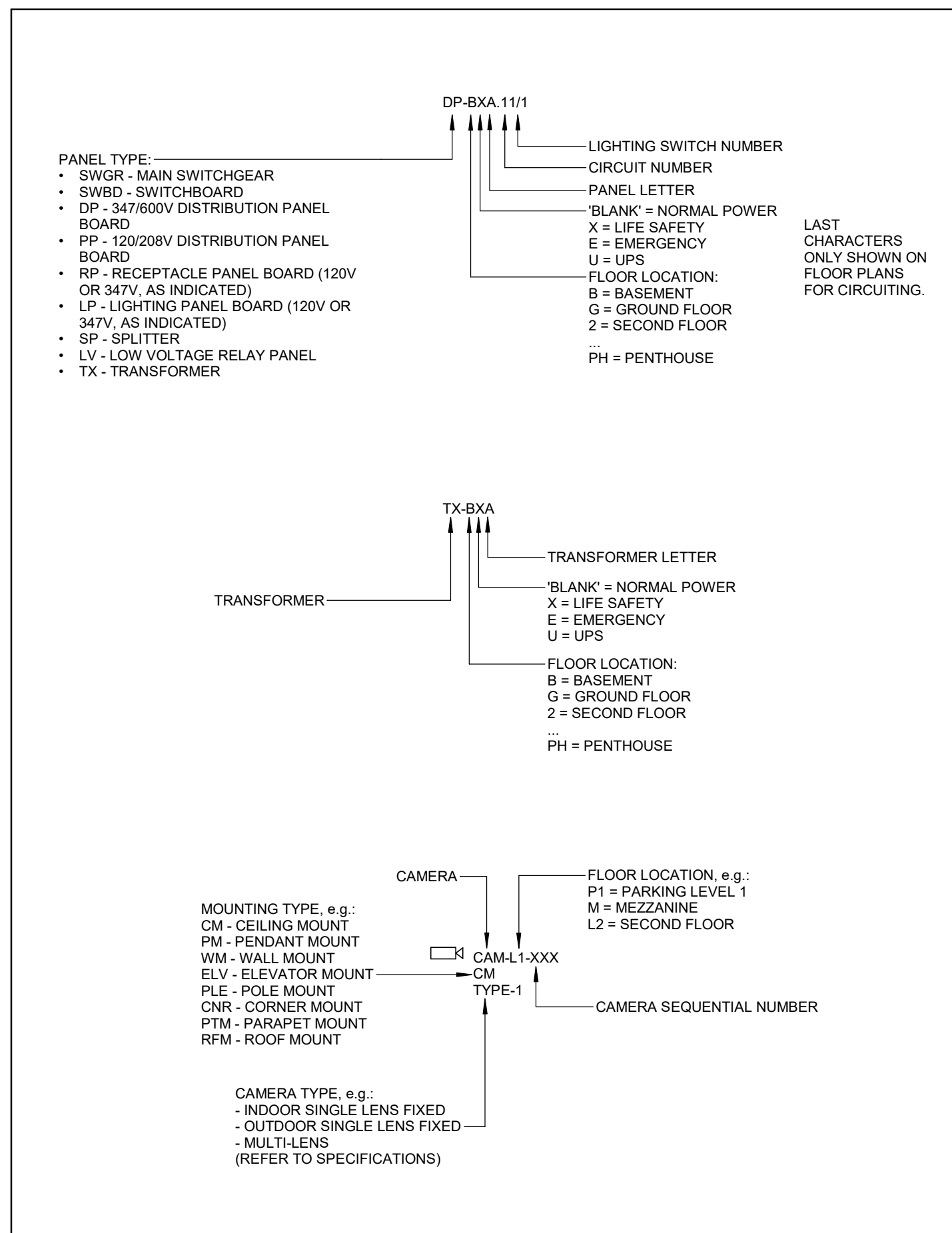
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
▼	WALL MOUNTED DATA AND VOIP DATA OUTLETS 1 DATA CABLES UNLESS OTHERWISE NOTED CABLE TYPE AS PER SPECIFICATION	EPB	EMERGENCY PHONE SYSTEM OUTLETS 1 ANALOG VOIP CABLES UNLESS OTHERWISE NOTED CABLE TYPE AS PER SPECIFICATION
▼	WALL MOUNTED ABOVE COUNTER DATA OUTLETS 1 DATA CABLES UNLESS OTHERWISE NOTED CABLE TYPE AS PER SPECIFICATION	EC	COMMUNICATIONS INTERCOM OUTLETS 1 ANALOG VOIP CABLES UNLESS OTHERWISE NOTED CABLE TYPE AS PER SPECIFICATION
▼	WALL MOUNTED ANALOG VOICE DATA OUTLETS 1 ANALOG VOICE CABLE UNLESS OTHERWISE NOTED CABLE TYPE AS PER SPECIFICATION	MC	COMMUNICATIONS MASTER INTERCOM OUTLETS 1 SERVICE POLES UNLESS OTHERWISE NOTED CABLE TYPE AS PER SPECIFICATION
▼	WALL MOUNTED ABOVE COUNTER VOICE DATA OUTLETS 1 ANALOG VOICE CABLE UNLESS OTHERWISE NOTED CABLE TYPE AS PER SPECIFICATION	▼	RECEIVED MOUNTED DATA AND VOIP DATA OUTLETS 1 DATA CABLES UNLESS OTHERWISE NOTED CABLE TYPE AS PER SPECIFICATION
▼	WALL MOUNTED DATA AND VOIP DATA OUTLETS 1 DATA CABLES UNLESS OTHERWISE NOTED CABLE TYPE AS PER SPECIFICATION	▼	CATV OUTLETS 1 COAXIAL CABLE UNLESS OTHERWISE NOTED CABLE TYPE AS PER SPECIFICATION
▼	WALL MOUNTED ABOVE COUNTER DATA OUTLETS 1 DATA CABLES UNLESS OTHERWISE NOTED CABLE TYPE AS PER SPECIFICATION	↕	MAIN CABLE SPLIT ROUTE FOR COMMUNICATIONS CABLING
▼	FLOOR MOUNTED DATA AND VOIP DATA OUTLETS 1 DATA CABLES UNLESS OTHERWISE NOTED CABLE TYPE AS PER SPECIFICATION	→--- ---→	
▼	FLOOR MOUNTED ANALOG VOICE OUTLETS 1 ANALOG VOICE CABLE UNLESS OTHERWISE NOTED CABLE TYPE AS PER SPECIFICATION	CB	COMMUNICATIONS BOX
▼	FLOOR MOUNTED DATA OUTLETS 1 DATA CABLE UNLESS OTHERWISE NOTED CABLE TYPE AS PER SPECIFICATION	P1	POWER ZONE BOX
▼	FURNITURE MOUNTED DATA AND DATA OUTLETS 1 DATA CABLES UNLESS OTHERWISE NOTED CABLE TYPE AS PER SPECIFICATION	T	TELEPHONE ZONE BOX
▼	FURNITURE MOUNTED ANALOG VOICE OUTLETS 1 ANALOG VOICE CABLE UNLESS OTHERWISE NOTED CABLE TYPE AS PER SPECIFICATION	●	FEED POINT FOR COMMUNICATIONS CABLES W- WALL, F- FLOOR, P- PAC PANEL, W- WIREMOLD
▼	FURNITURE MOUNTED DATA OUTLETS 1 DATA CABLES UNLESS OTHERWISE NOTED CABLE TYPE AS PER SPECIFICATION	20	TWO (2) DATA CABLES
▼	CEILING MOUNTED DATA AND VOIP DATA OUTLETS 1 DATA CABLES UNLESS OTHERWISE NOTED CABLE TYPE AS PER SPECIFICATION	30	THREE (3) DATA CABLES
▼	CEILING MOUNTED DATA OUTLETS 1 DATA CABLE UNLESS OTHERWISE NOTED CABLE TYPE AS PER SPECIFICATION		
▼	WALL MOUNT DATA OUTLETS FOR AUDIOVISUAL DATA CABLES UNLESS OTHERWISE NOTED CABLE TYPE AS PER SPECIFICATION		
▼	WALL MOUNT DATA OUTLETS FOR AUDIOVISUAL DATA CABLES UNLESS OTHERWISE NOTED CABLE TYPE AS PER SPECIFICATION		

NOTE: NOT ALL SYMBOLS APPLY, REFER TO DRAWINGS





































14 DATA/COMMUNICATIONS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	AUDIO VISUAL SYSTEM		PROJECTOR
TAG - ## 	DEVICE IDENTIFICATION NUMBER		
RACK - ## 	AV EQUIPMENT RACK RACK ID DESIGNATION: "A" = FREE STANDING EQUIPMENT "C" = CRENDONIA RACK "C" = RACK ON CASTERS	LIFT - ## 	PROJECTION ON LIFT
TAG - ## 	WALL MOUNT FLAT PANEL DISPLAY DISPLAY "TAG" DESIGNATION: "TPO" = FLAT PANEL DISPLAY "TIO" = INTERACTIVE DISPLAY "TDS" = DIGITAL BORDAGE DISPLAY "W" = MEDIA WALL DISPLAYS (SEE DRAWING FOR QUANTITIES) NOTE: "XX" DENOTES SCREEN SIZE (INCHES)	SCR - ## 	PROJECTION SCREEN NOTE: "XX" DENOTES SCREEN SIZE (INCHES)
		TAG - ## 	CEILING RECESSED SPEAKER "TAG" DESIGNATION: "S" = AV SPEAKER
TAG - ## 	CEILING MOUNT FLAT PANEL DISPLAY DISPLAY "TAG" DESIGNATION: "TPO" = POLE MOUNT FLAT PANEL DISPLAY "TDO" = ROOM DUAL FLAT PANELS DISPLAYS NOTE: "XX" DENOTES SCREEN SIZE (INCHES)	TAG - ## 	SURFACE MOUNT SPEAKER "TAG" DESIGNATION: "S" = AV SPEAKER
		TAG - ## 	WALL MOUNT ANTENNA "TAG" DESIGNATION: "ANT" = MICROPHONE ANTENNA "XA" = HEARING ASSIST ANTENNA
TAG - ## 	WALL MOUNT AV INTERFACE "TAG" DESIGNATION: "RBL" = ROOM LOOKING DISPLAY "MRO" = MEETING ROOM DISPLAY "CTL" = TOUCH CONTROL PANEL NOTE: "XX" DENOTES SCREEN SIZE (INCHES)	TAG - ## 	CEILING MOUNT ANTENNA "TAG" DESIGNATION: "ANT" = MICROPHONE ANTENNA "XA" = HEARING ASSIST ANTENNA
		TAG - ## 	CEILING MOUNT MICROPHONE
TAG - ## 	"TAG" DESIGNATION: "BTP" = BUTTON PANEL "VCS" = VOLUME CONTROL "SC" = SCREEN CONTROL (FOR PROJECTION SCREENS)	AV - ## 	AV MERGING AV INPUT PULL BOX (V) 1 GANG (V) 2 GANGS (V) 3 GANGS
FB - ## 	FLOORBOX CONNECTION FOR TABLETOP CONNECTIVITY.	AV - ## 	AV BACKBOX (V) 1 GANG (V) 2 GANGS (V) 3 GANGS
CAM - ## 	WALL MOUNT AV CAMERA		
CAM - ## 	CEILING MOUNT AV CAMERA	AV - ## 	AV CABLE PULL BOX SIZE DESIGNATION: "XW" = 6X6X4 AV CABLE PULL BOX "12X12" = 12X12X4 AV CABLE PULL BOX

15 **AVI LEGEND**

















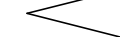













10 DESIGNATION DIAGRAM
E010




































SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
ACCESS CONTROL			
	ACCESS CONTROL SYSTEM PANEL		KEY SWITCH
	ACCESS CONTROL SYSTEM SERVER		LATCH BOLT MONITOR
	AUTOMATIC DOOR OPERATOR		LATCH REQUEST TO EXIT
	CARD READER (SALTO)		MAGLOCK KEY RESET SWITCH
	CARD READER (H4D R40)		MAGNETIC DOOR HOLD/OPEN DEVICE
	CENTRAL MANAGEMENT STATION		MAGNETIC LOCK
	DOOR ALARM		MOTION REQUEST TO EXIT
	DOOR CONTACT		POWER SUPPLY CONTROL UNIT
	ELECTRIC DOOR HOLD/OPEN DEVICE		PUSH BUTTON DOOR OPERATOR
	ELECTRIC LATCH RETRACTION		PUSH BUTTON REQUEST TO EXIT
	ELECTRIC MORTISE LOCK		REMOTE RELEASE
	ELECTRIC STRIKE		RF NODE
	GATEWAY		RF RECEIVER
	IP DOOR CONTROLLER		SECURITY DOOR TAG. XX DENOTES TYPE
	KEY ENCODER		WIRELESS LOCK
REAL TIME LOCATING SYSTEM (RTLS)			
	LOW FREQUENCY EXCITER		RF READER MASTER
	INFRARED READER		RF READER
	REMOTE DISPLAY UNIT		RF ETHERNET READER
	LOCAL AREA READER		RF LONG RANGE READER

NOTE: NOT ALL SYMBOLS APPLY. REFER TO DRAWINGS

11 SECURITY LEGEND 1 OF 2

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
ELECTRONIC PERSONAL PROTECTION			
	EMERGENCY PHONE STATION		DURESS ALARM STATION
	STROBE LIGHT		PANIC ALARM RECEIVER
	PANIC BUTTON		ASSISTANCE REQUIRED SIGNAGE
INTERCOM/LEGEND			
	INTERCOM		MASTER INTERCOM
	ENTRY PHONE CONSOLE		
VIDEO SURVEILLANCE			
	FIXED CAMERA		VIDEO SURVEILLANCE SYSTEM SERVER
	PAN-TILT-ZOOM CAMERA		POWER INJECTOR
	PERSONAL COMPUTER		VIDEO MONITOR
	COMPUTER MONITOR		FIXED VIDEO SURVEILLANCE CAMERA HORIZONTAL ANGLE OF VIEW
	DIGITAL VIDEO RECORDER		LCD MONITOR SIZE AS INDICATED
	NETWORK VIDEO RECORDER		
INTRUSION DETECTION			
	SIREN		INTRUSION DETECTION SYSTEM PANEL
	BREAK GLASS SENSOR		POWER SUPPLY
	MOISTURE SENSOR		WALL MOUNTED SECURITY MOTION SENSOR
	KEYPAD		CEILING MOUNTED SECURITY 360° MOTION SENSOR

12 SECURITY LEGEND 2 OF 2

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
SIGNALING DEVICES			
	CEILING MOUNTED HORN		WALL MOUNTED FIRE ALARM BELL 103mm (4") UNLESS OTHERWISE NOTED
	WALL MOUNTED HORN		WALL MOUNTED FIRE ALARM BELL-STROBE COMBINATION
	CEILING MOUNTED DOUBLE SIDED HORN		SPEAKER HORN
	WALL MOUNTED DOUBLE SIDED HORN		CEILING MOUNTED EMERGENCY EVACUATION SPEAKER
	CEILING MOUNTED HORN-STROBE COMBINATION: STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED		WALL MOUNTED EMERGENCY EVACUATION SPEAKER
	WALL MOUNTED HORN-STROBE COMBINATION: STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED		CEILING MOUNTED EMERGENCY EVACUATION SPEAKER - STROBE COMBINATION: STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED
	CEILING MOUNTED DOUBLE SIDED HORN-STROBE COMBINATION: STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED		WALL MOUNTED EMERGENCY EVACUATION SPEAKER - STROBE COMBINATION: STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED
	WALL MOUNTED DOUBLE SIDED HORN-STROBE COMBINATION: STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED		CEILING MOUNTED DOUBLE SIDED HORN-STROBE COMBINATION: STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED
	MINI HORN		WALL MOUNTED FIRE ALARM STROBE
			CEILING MOUNTED FIRE ALARM STROBE
ANCILLARY DEVICES			
	ISOLATION MODULE		MONITORING MODULE FOR ALARM OR SUPERVISORY
	FIELD INSTALLED ADDRESSABLE CONTROL POINT		TROUBLE AND ALARM CONNECTION TO PRE-ACTION CONTROL DEVICE
	"FIRE, DO NOT ENTER" SIGN		FLOOR MOUNTED DOOR HOLD OPEN DEVICE
	FIRE ALARM GRAPHIC (PASSIVE/ACTIVE)		FIRE ALARM PANEL, CONTROL, DOP OR ANNUNCIATOR AS NOTED
	VIDEO DISPLAY TERMINAL, FOR BUILDING OPERATIONS PERSONNEL		END-OF-LINE RESISTOR TERMINATION
	FIRE FIGHTERS HAND SET		SMOKE DAMPER, USED IN CONJUNCTION WITH MONITORING DEVICE FOR POSITION ANNUNCIATING AND CONTROL DEVICE
	FIRE ALARM START DOWN		10 MINUTES RELEASE SWITCH FOR SPEAKERS IN SUITES
	FIRE ALARM ALARM UP		
	REMOTE TESTING STATION FOR DUCT SMOKE DETECTORS		
NOTE: NOT ALL SYMBOLS APPLY. REFER TO DRAWINGS			

7 FIRE ALARM LEGEND 2 OF 2
E010

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	ISOLATION TRANSFORMER - DELTA-WYE UNLESS OTHERWISE NOTED.		AUTO-TRANSFORMER
	ISOLATION TRANSFORMER WITH ELECTROSTATIC SHIELD - DELTA-WYE UNLESS OTHERWISE NOTED.		BATTERY
	MOLDED CASE CIRCUIT BREAKER, SIZE AS SHOWN.		CONTACTOR
	LOW VOLTAGE, DRAW-OUT CIRCUIT BREAKER, TRIP PLUG AND FRAME SIZE AS SHOWN.		CURRENT TRANSFORMER
	BREAK-OUT VACUUM CIRCUIT BREAKER, PROTECTIVE RELAY FUNCTIONS AND FRAME SIZE AS SHOWN.		CURRENT TRANSFORMER (2.5 - DENOTES ZERO SEQUENCE)
	FUSIBLE LOAD BREAK ISOLATION SWITCH, FRAME AND FRAME SIZE AS SHOWN.		GROUND FAULT ALARM RELAY
	FUSE		19 BAFED POWER QUALITY DIGITAL METER PROVIDE 2mm(3/16") CONDUIT TO NEAREST TELECOM ROOM
	INSULATED CASE CIRCUIT BREAKER		EMERGENCY GENERATOR
	INTEGRAL BREAKER AND STARTER UNIT, BREAKER AND FRAME SIZE AS SHOWN.		GROUND CONNECTION POINT
	INTERNAL SWITCH AND FUSE UNIT, FUSE AND FRAME SIZE AS SHOWN		ELECTRONIC TRIP SETTING CONTROL (GROUND FAULT)
	LOAD BREAK ISOLATION SWITCH, VOLTAGE AND FRAME SIZE AS SHOWN.		HIGH RESISTANCE GROUND FAULT SYSTEM
	AUTOMATIC TRANSFER SWITCH WITH BY-PASS		LIGHTNING SURGE ARRESTOR
	AUTOMATIC TRANSFER SWITCH WITHOUT BY-PASS		LOAD BANK
	FIRE PUMP AUTOMATIC TRANSFER SWITCH AND STARTER UNIT (BY OTHERS)		METERING SOCKET
	MANUAL TRANSFER SWITCH OR DOUBLE THROW SWITCH		METERING CABINET
			DIGITAL ELECTRONIC METER
			AMMETER

NOTE: NOT ALL SYMBOLS APPLY. REFER TO DRAWINGS

8 SINGLE LINE 1 OF 2









































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9 SINGLE LINE 2 OF 2

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	WALL MOUNTED DUPLEX RECEPTACLE 120V, 15 AMP; CSA 5-15R		WALL MOUNTED SIMPLEX RECEPTACLE 250V, 50 AMP; CSA 1-50R
	WALL MOUNTED ABOVE COUNTER DUPLEX RECEPTACLE 120V, 15 AMP; CSA 5-15R		WALL MOUNTED COMBINATION COMMUNICATION / QUADPLEX RECEPTACLE 120V, 15 AMP; CSA 5-15R. REFER TO CORRESPONDING DETAIL
	WALL MOUNTED DUPLEX RECEPTACLE 120V, 20 AMP; CSA 5-20R (7-50T)		FLOOR OR CEILING MOUNTED (AS SHOWN) COMBINATION COMMUNICATION / QUADPLEX RECEPTACLE 120V, 15 AMP; CSA 5-15R. REFER TO CORRESPONDING DETAIL
	WALL MOUNTED ABOVE COUNTER DUPLEX RECEPTACLE 120V, 20 AMP; CSA 5-20R (7-50T)		FLOOR POKE (FOR COMBINATION COMMUNICATION / QUADPLEX RECEPTACLE) 120V, 15 AMP; CSA 5-15R. REFER TO CORRESPONDING DETAIL
	WALL MOUNTED DUPLEX RECEPTACLE 120V, 20 AMP; CSA 5-15R, DEDICATED CIRCUIT		WALL MOUNTED COMBINATION COMMUNICATION / DUPLEX RECEPTACLE 120V, 15 AMP; CSA 5-15R. REFER TO CORRESPONDING DETAIL
	WALL MOUNTED DUPLEX RECEPTACLE 120V, 20 AMP; CSA 5-20R, DEDICATED CIRCUIT		FLOOR OR CEILING MOUNTED (AS SHOWN) COMBINATION COMMUNICATION / DUPLEX RECEPTACLE 120V, 15 AMP; CSA 5-15R. REFER TO CORRESPONDING DETAIL
	WALL MOUNTED SPLIT SWITCH CONTROLLED DUPLEX RECEPTACLE 120V, 20 AMP; CSA 5-15R		FLOOR OR CEILING MOUNTED (AS SHOWN) COMBINATION COMMUNICATION / DUPLEX RECEPTACLE 120V, 15 AMP; CSA 5-15R. REFER TO CORRESPONDING DETAIL
	WALL MOUNTED DUPLEX GROUND FAULT RECEPTACLE 120V, 15 AMP; CSA 5-15R		FLOOR OR CEILING MOUNTED (AS SHOWN) COMBINATION COMMUNICATION / DUPLEX RECEPTACLE 120V, 15 AMP; CSA 5-15R. REFER TO CORRESPONDING DETAIL
	WALL MOUNTED ABOVE COUNTER DUPLEX GROUND FAULT RECEPTACLE 120V, 15 AMP; CSA 5-15R		FLOOR POKE (FOR COMBINATION COMMUNICATION / DUPLEX RECEPTACLE) 120V, 15 AMP; CSA 5-15R. REFER TO CORRESPONDING DETAIL
	WALL MOUNTED DUPLEX GROUND FAULT RECEPTACLE 120V, 20 AMP; CSA 5-20R		CEILING MOUNTED DUPLEX RECEPTACLE 120V, 15 AMP; 20 AMP; CSA 5-15R
	WALL MOUNTED ABOVE COUNTER DUPLEX GROUND FAULT RECEPTACLE 120V, 20 AMP; CSA 5-20R		CEILING MOUNTED SIMPLEX RECEPTACLE 120V, 15 AMP; 20 AMP; CSA 5-15R
	WALL MOUNTED QUADPLEX RECEPTACLE 120V, 15 AMP; CSA 5-15R		CEILING MOUNTED QUADPLEX RECEPTACLE 120V, 15 AMP; 20 AMP; CSA 5-15R
	WALL MOUNTED ABOVE COUNTER QUADPLEX RECEPTACLE 120V, 15 AMP; CSA 5-15R		FLOOR MOUNTED DUPLEX RECEPTACLE 120V, 15 AMP; CSA 5-15R
	WALL MOUNTED DUPLEX RECEPTACLE 120V, 15 AMP; 2-POLE, SPLIT CIRCUIT		FLOOR MOUNTED QUADPLEX RECEPTACLE 120V, 15 AMP; CSA 5-15R
	WALL MOUNTED ABOVE COUNTER DUPLEX RECEPTACLE 120V, 15 AMP; 2-POLE, SPLIT CIRCUIT		RACEWAY RECEPTACLE TYPE AS SPECIFIED ON QUANTITY OF DEVICES INDICATED
	WALL MOUNTED SIMPLEX RECEPTACLE 120V, 15 AMP; PHASE, CSA 1-15R		WALL MOUNTED RECEPTACLE COW USB A/C LEVITON 1604-W
	SPECIAL RECEPTACLE TYPE AND DETAILS AS NOTED ON DRAWING		
	WALL MOUNTED ABOVE COUNTER SIMPLEX RECEPTACLE 120V, 15 AMP; CSA 5-15R		
	WALL MOUNTED SIMPLEX RECEPTACLE 250V, 50 AMP; CSA 1-50R		
	WALL MOUNTED SIMPLEX RECEPTACLE 120V, 20 AMP; CSA 5-20R		
	WALL MOUNTED SIMPLEX RECEPTACLE 120V, 20 AMP; CSA 5-15R		



























NOTE: NOT ALL SYMBOLS APPLY. REFER TO DRAWINGS

4 POWER LEGEND 1 OF 2
E010

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	FLUSH MOUNTED SINGLE TUB PANEL RATING AS NOTED ON SINGLE LINEPANEL SCHEDULE		CONTACTOR
	FLUSH-MOUNTED DOUBLE TUB PANEL RATING AS NOTED ON SINGLE LINEPANEL SCHEDULE		GROUND ROD WITH INSPECTION PIT
	SURFACE MOUNTED SINGLE TUB PANEL RATING AS NOTED ON SINGLE LINEPANEL SCHEDULE		THERMOSTAT - 10mm (1/2") CONDUIT TO ACCESSIBLE CEILING SPACE
	SURFACE MOUNTED DOUBLE TUB PANEL RATING AS NOTED ON SINGLE LINEPANEL SCHEDULE		JUNCTION BOX (SIZE SPECIFIED ON DRAWING)
	TRANSFORMER (SIZE NOTED ON SINGLE LINE DIAGRAM)		ELECTRIC UNIT HEATER
	DISCONNECT		ELECTRIC BASEBOARD HEATER "X" DENOTES TYPE, REFER TO BASEBOARD HEATER SCHEDULE
	COMBINATION MANUAL STARTER WITH INTEGRAL DISCONNECT		GROUND BAR
	COMBINATION STARTER WITH INTEGRAL DISCONNECT		HARD DRYER HARD WIRED CONNECTION
	DIRECT CONNECTION		METER
	600V DIRECT CONNECTION		RELAY
	DIRECT CONNECTION ON DISCONNECT		FULL BOX
	600V DIRECT CONNECTION C/W DISCONNECT		GROUND BUS
	MOTOR AND DISCONNECT		DENOTES RECEPTACLE TYPE, REFER TO RECEPTACLE SCHEDULE
	MOTOR AND RELAY DISCONNECT		UTILITY METERING CABINET
	MOTOR AND COMBINATION STARTER WITH INTEGRAL DISCONNECT		DOOR BELL / CHIME
	VARIABLE FREQUENCY DRIVE AND VFD CABLE CONNECTION TO MOTOR LINE AND LOAD SIDE WIRING OF VFD TO BE VFD CABLE VFD BY ELECTRICAL CONTRACTOR		CLOCK WALL MOUNTED
	VARIABLE FREQUENCY DRIVE LINE AND LOAD SIDE WIRING OF HARMONIC FILTER TO BE VFD BY ELECTRICAL CONTRACTOR LOAD SIDE WIRING OF VFD TO BE VFD CABLE VFD AND HARMONIC FILTER SUPPLIED BY MECHANICAL DIVISION.		CLOCK CEILING MOUNTED
	VARIABLE FREQUENCY DRIVE LINE AND LOAD SIDE WIRING OF HARMONIC FILTER TO BE VFD BY ELECTRICAL CONTRACTOR LOAD SIDE WIRING OF VFD TO BE VFD CABLE VFD AND HARMONIC FILTER SUPPLIED BY MECHANICAL DIVISION.		PUSH BUTTON
	HARMONIC FILTER (SUPPLIED BY MECHANICAL CONTRACTOR) INLESS NOTED OTHERWISE (LINE AND LOAD SIDE WIRING OF HARMONIC FILTER BY ELECTRICAL CONTRACTOR)		MOTOR
			SOLAR PANEL

NOTE: NOT ALL SYMBOLS APPLY. REFER TO DRAWINGS

5 POWER LEGEND 2 OF 2

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
ALARM INITIATING DEVICES			
	CEILING MOUNTED PHOTO-ELECTRIC SMOKE DETECTOR		AIR SAMPLING SYSTEM
	WALL MOUNTED PHOTO-ELECTRIC SMOKE DETECTOR		MANUAL STATION
	CEILING MOUNTED PHOTO-ELECTRIC SMOKE DETECTOR CWV RELAY BASE		BEAM SMOKE DETECTOR (TRANSMITTER)
	CEILING MOUNTED RATE-OF-RISE HEAT DETECTOR		BEAM SMOKE DETECTOR (RECEIVER)
	WALL MOUNTED RATE-OF-RISE HEAT DETECTOR		FLAME DETECTOR
	CEILING MOUNTED FIXED TEMPERATURE HEAT DETECTOR		
	WALL MOUNTED FIXED TEMPERATURE HEAT DETECTOR		
	DUCT TYPE PHOTO-ELECTRIC SMOKE DETECTOR		
	DUCT TYPE PHOTO-ELECTRIC SMOKE DETECTOR COMPLETE WITH HEATER		
	CEILING MOUNTED COMBINATION HEAT + SMOKE DETECTOR		
LOCAL ALARM DEVICES			
	LOCAL 120V SMOKE ALARM		LOCAL 120V COMBINATION SMOKE ALARM AND STROBE
	LOCAL 120V COMBINATION CARBON MONOXIDE AND SMOKE ALARM		LOCAL 120V COMBINATION CARBON MONOXIDE, SMOKE ALARM AND STROBE
	LOCAL 120V CARBON MONOXIDE ALARM		
SPRINKLER/STANDPIPE DEVICES			
	LOW PRESSURE SUPERVISED SWITCH (SUPPLIED BY OTHERS)		ALARM DRY PIPE VALVE (SUPPLIED BY OTHERS)
	SPRINKLER SUPERVISED VALVE (SUPPLIED BY OTHERS)		
	ALARM FLOW SWITCH (SUPPLIED BY OTHERS)		
	ALARM PRESSURE SWITCH (SUPPLIED BY OTHERS)		
	ALARM CHECK VALVE (SUPPLIED BY OTHERS)		

6 FIRE ALARM LEGEND 1 OF 2

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	DETAIL NUMBER DRAWING NUMBER		SECTION NUMBER DRAWING NUMBER
	REVISION NUMBER		REVISION BUBBLE
A	AMPS	MO	MOTOR OPERATED
AD	ACCESS DOOR	MOD	MOTOR OPERATED DAMPER
ACFI	ARC-FAULT CIRCUIT INTERRUPTER	AW	WIRELESS
AF	ABOVE FINISHED FLOOR	N	NEW
BBH	BASEBOARD HEATER	NC	NORMALLY CLOSED
B	BATTERY UNIT	NC	NOT IN CONTRACT
C	CONDUIT	NL	NIGHT LIGHT
CD	CANDELA	NO	NORMALLY OPEN
CL	CEILING MOUNTED	OC	OVER COUNTER
CS	CHARGING STATION	OD	OBSTRUCTION LIGHT
CV	CONVENTIONAL STYLE DEVICE	P	PARABOLIC LOUVER
D	DEDICATED	PL	PATIENT LIFT
DD	DEDICATED DROUGHT	R	RELOCATE
DHWT	DOMESTIC HOT WATER TANK	RANGE	RANGE
DNC	DEDICATED NEUTRAL + BOND	RC	REVERSE EXISTING CIRCUIT
D	DWYER DRYER	RANGE HOOD	RANGE HOOD
DW	DISHWASHER	RC	ROUGH IN AND CONNECT
E	EXISTING	RR	ROUGH IN ONLY
EF	EXHAUST FAN	RR	REMOVE AND REINSTALL
EM	EMERGENCY CIRCUIT	SC	SEPARATE CIRCUIT
EP	ELECTRICAL SUITE PANEL	SF	SYSTEM FURNITURE
ER	EXISTING TO BE REMOVED	SP	SUITE ALARM PANEL
F	F REFRIGERATOR	SSP	SLAVE SUITE ALARM PANEL
FF	FLOOR FIELD	TYP	TYPICAL
FFH	FORCE FLOW WATER	UC	UNDER CABINET MOUNTED
FL	FLOOR MOUNTED	UPS	UPS CIRCUIT
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	UH	UNIT LIGHTER
GH	GROUND FAULT INTERRUPTER	UPS	UNINTERRUPTIBLE POWER SUPPLY
GND	GROUND	V	VOLTS
HK	HOLE KEEPING	W	WATTS
HMT	HARMONIC MITIGATING TRANSFORMER	WG	WIRE GUARD
ICE	ICE MACHINE	WAP	WIRELESS ACCESS POINT
IG	ISOLATED GROUND	WF	WALL FLEX
JB	JUNCTION BOX	WP	WEATHERPROOF
KW	KILOWATTS	X	EXPLOSION PROOF DEVICE + BACK BOX
LV	LOW VOLTAGE	ZSCT	ZERO SEQUENCE CURRENT TRANSFORMER

NOTE: NOT ALL SYMBOLS APPLY. REFER TO DRAWINGS

1 GENERAL, SYMBOLS AND ABBREVIATIONS
E010

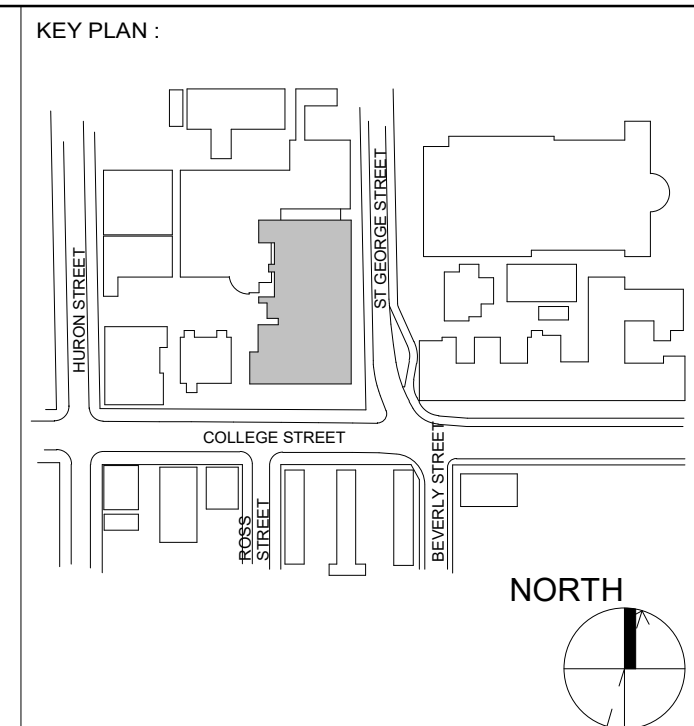
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CEILING MOUNTED LINEAR LUMINAIRE DIMENSIONS AS SHOWN. REFER TO SCHEDULE FOR TYPE		CEILING MOUNTED WALL WASHER LUMINAIRE. ILLUMINATION DIRECTION INDICATED BY WATCHED SIDE
	DENOTES FIXTURE ON EMERGENCY/NIIGHT LIGHT CIRCUIT		CEILING MOUNTED TRACK LIGHTING C/W NUMBER OF FIXTURES
	WALL MOUNTED LINEAR LUMINAIRE DIMENSIONS AS SHOWN. REFER TO SCHEDULE FOR TYPE		WALL MOUNTED LUMINAIRE
	EXISTING LUMINAIRE TO BE REMOVED		PENDANT FIXTURE
	EXISTING LUMINAIRE TO REMAIN		CEILING MOUNTED LUMINAIRE
	CEILING MOUNTED LUMINAIRE WITH DIMMABLE HEADS. REFER TO SCHEDULE FOR TYPE AND NUMBER OF HEADS		FLOOR MOUNTED LUMINAIRE
	VERTICAL WALL MOUNTED FLUORESCENT LUMINAIRE		BOLLARD LUMINAIRE
	CONTINUOUS STRIP LIGHT. REFER TO SCHEDULE FOR FIXTURE TYPE		POLE MOUNTED LUMINAIRE. NUMBER OF HEADS SHOWN. REFER TO SCHEDULE FOR FIXTURE AND POLE TYPE
	RECESSED CEILING MOUNTED REMOTE ADJUSTABLE LUMINAIRE CONNECTED TO EMERGENCY LIGHTING BATTERY UNIT		EMERGENCY LIGHTING BATTERY UNIT C/W NUMBER OF HEADS SHOWN. COMPLETED W/ DIRECT CONNECTION OR RECEPTACLE
	WALL MOUNTED EMERGENCY SINGLE REMOTE HEAD		EMERGENCY LIGHTING BATTERY UNIT
	WALL MOUNTED EMERGENCY DOUBLE REMOTE HEAD		EMERGENCY LIGHTING BATTERY - EXIT LIGHT COMBINATION UNIT C/W NUMBER OF HEADS SHOWN
	CEILING MOUNTED EMERGENCY SINGLE REMOTE HEAD		EXIT LIGHT CEILING MOUNTED C/W FACES AND ARROWS AS INDICATED
	CEILING MOUNTED EMERGENCY DOUBLE REMOTE HEAD		EXIT LIGHT WALL MOUNTED C/W FACES AND ARROWS AS INDICATED

NOTE: NOT ALL SYMBOLS APPLY. REFER TO DRAWINGS


2 LIGHTING LEGEND 1 OF 2


[illegible]

3 LIGHTING LEGEND 2 OF 2



REVISION		
NO.	DATE	DESCRIPTION
1	2024-10-04	ISSUED FOR 50%
2	2024-11-15	PERMIT
3	2024-12-04	ISSUED FOR F&S REVIEW
4	2024-12-23	ISSUED FOR F&S REVIEW
5	2025-01-24	ISSUED FOR PEER REVIEW
6	2025-01-31	ISSUED FOR BID
12	2025-04-30	ISSUED FOR CONSTRUCTION

Smith + Andersen

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<p>ENFORM architects</p> <p>ENFORM Architects Inc. 120A Sterling Road, Suite 302B Toronto, Ontario, Canada M9R 2B7 1-877-644-1753 www.enformarchitects.com</p>	
<p>SEAL:</p>	
<p>OWNER:</p>	
<p> UNIVERSITY OF TORONTO</p>	
<p>PROJECT:</p>	
<p>HEALTH AND WELLNESS CENTRE RENOVATION AT KOFFLER</p>	
<p>214 COLLEGE ST. TORONTO, ON M5T 3A1</p>	
<p>SHEET CONTENTS:</p>	
<p>LEGENDS - ELECTRICAL</p>	

NOTE	DEVICE BY	CONDUIT BY	WIRING BY	COMMENTS
W-1	DOOR HARDWARE CONTRACTOR	ELECTRICAL CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR SHALL PROVIDE ALL WIRING FROM THE ACCESS CONTROL SYSTEMS CONTROLLER TO THE TERMINAL STRIP AND FROM THE TERMINAL STRIP TO RESPECTIVE DEVICES EXCEPT ELECTRIFIED LOCKS.
W-2	SECURITY CONTRACTOR	ELECTRICAL CONTRACTOR	SECURITY CONTRACTOR	DOOR HARDWARE CONTRACTOR SHALL PROVIDE ALL WIRING FROM THE TERMINAL STRIP TO ALL ELECTRIFIED LOCKS.
W-3	ELECTRICAL CONTRACTOR	ELECTRICAL CONTRACTOR	ELECTRICAL CONTRACTOR	ALL WIRING FOR ALL ELECTRIFIED LOCKS INCLUDING BUT NOT LIMITED TO ELECTRIC STRIKES, ELECTRIC LATCH RETRACTION, ELECTRIC MORTISE LOCKS AND MAGLOCKS SHALL INCLUDE MINIMUM ONE (1) SPARE PAIR OF CONDUCTORS FOR LATCH MONITORING OR FUTURE USE.
W-4	ELECTRICAL CONTRACTOR	ELECTRICAL CONTRACTOR	ELECTRICAL CONTRACTOR	SECURITY CONTRACTOR SHALL PROVIDE ALL CONTROLLERS AND CONFIGURE THE ACCESS CONTROL SYSTEM CONTROLLERS TO ACHIEVE REQUIRED MODES OF DOOR OPERATION.
W-5	N/A	ELECTRICAL CONTRACTOR	ELECTRICAL CONTRACTOR	THE TERMINAL STRIP SHALL BE EQUIPPED WITH QUANTITY OF TERMINALS TO FACILITATE INTERFACING OF ALL DEVICE WIRING. ALL TERMINAL STRIPS BY SECURITY CONTRACTOR SHALL BE MAGNETIC LOCK.
W-6	DOOR HARDWARE CONTRACTOR	ELECTRICAL CONTRACTOR	DOOR HARDWARE CONTRACTOR	WIRING FROM FIRE ALARM PULL STATION TO FIRE ALARM PANEL.
W-7	N/A	ELECTRICAL CONTRACTOR	ELECTRICAL CONTRACTOR	WIRING FROM 120VAC POWER SUPPLY SOURCE.

DEVICE	MOUNTING HEIGHT	DEVICE	MOUNTING HEIGHT
CR	1100 MM (43 IN.) AFF	MRX	WALL OR CEILING MOUNT ABOVE DOOR AS RECOMMENDED BY MANUFACTURER
PRX	1100 MM (43 IN.) AFF	DA	CEILING MOUNT ABOVE DOOR

FOR ALL OTHER DEVICES REFER TO RESPECTIVE DISCIPLINE CONTRACT DESIGN DOCUMENT.

- GENERAL NOTES:**
- REFER TO SECURITY PLAN DRAWINGS, ELECTRICAL DRAWINGS AND DOOR HARDWARE SCHEDULE FOR ADDITIONAL DETAILS.
 - COORDINATE EXACT LOCATIONS OF DEVICES ON SITE WITH ELECTRICAL AND DOOR HARDWARE CONTRACTOR.
 - ALL TERMINAL STRIPS SHALL BE PROVIDED AND INSTALLED BY THE SECURITY CONTRACTOR.
 - THIS DIAGRAM SHALL BE READ IN CONJUNCTION WITH THE DOOR AND HARDWARE SCHEDULE.
 - ALL WIRING SHALL BE INSTALLED IN CONDUITS. ALL CONDUIT SHALL BE 10mm UNLESS OTHERWISE NOTED.
 - PROVIDE TO INTERFACING WITH DEVICES AND DEVICE ASSOCIATED WIRING THAT ARE PROVIDED BY ELECTRICAL AND DOOR AND HARDWARE (D+H) CONTRACTORS. COORDINATE WITH THE ELECTRICAL AND DOOR AND HARDWARE (D+H) CONTRACTORS AND ENSURE THAT ALL DEVICES AND WIRING PROVIDED ARE CERTIFIED BY THE RESPECTIVE TRADE TO BE IN PROPER WORKING ORDER.
 - PROVIDE ALL ACTIVE AND PASSIVE HARDWARE, A/D WIRING AND PROGRAMMING OF SECURITY SYSTEM SOFTWARE TO FACILITATE EACH MODE OF OPERATION FOR EACH DOOR.
 - ALL DOOR HARDWARE DEVICES PROVIDED SHALL MEET ALL REQUIREMENTS LISTED IN THE ACCESSIBILITY FOR ONTARIANS WITH DISABILITIES ACT (AODA).
 - FOR ALL DOORS THAT ARE EQUIPPED WITH AUTOMATIC DOOR OPERATORS PROVIDE ALL ACCESS CONTROL CONTROLLERS AND WIRING REQUIRED TO INTEGRATE THE AUTOMATIC DOOR OPERATORS AND PUSH BUTTON OPERATORS WITH THE ACCESS CONTROL CONTROLLERS TO FACILITATE THE SEQUENCE OF OPERATION.

6 DOOR DETAIL NOTES

DRAWING NOTES:

N-1 PANIC RESET BUTTON.

N-2 PANIC BUTTON.

N-3 ARMoured CABLE.

N-4 SECURITY WIRING IN MINIMUM 3/4" (21mm) CONDUIT.

N-5 CORE DRILL THROUGH FLOOR.

N-6 JUNCTION BOX MOUNTED TO UNDERSIDE OF SLAB.

SYMBOL ON PLAN

GENERAL NOTES:

- DIAGRAM SHOWN IMPLIES INTENT AND NOT A SPECIFIC MANUFACTURER'S MODEL. REFER TO SPECIFICATIONS FOR REQUIREMENTS AND PLANS FOR EXACT QUANTITY OF DEVICES PROVIDED AND INSTALL ALL MAJOR AND MISCELLANEOUS MOUNTING HARDWARE TO FACILITATE PROPER MOUNTING AS RECOMMENDED BY MANUFACTURER.
- COORDINATE EXACT REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
- ALL CONDUITS TO BE CLEARLY MARKED AT BOTH ENDS.
- MAXIMUM CONDUIT SIZE SHALL BE 3/4" (21mm) UNLESS OTHERWISE NOTED.
- CONFIRM EXACT LOCATION AND MOUNTING HEIGHT OF ALL BACK BOXES WITH ARCHITECT ON SITE PRIOR TO INSTALLATION.
- ELECTRICAL CONTRACTOR TO PROVIDE ALL CONDUIT C/W PULLSTRINGS AND BACK BOXES. SECURITY CONTRACTOR SHALL PROVIDE ALL LOW VOLTAGE WIRING, HARDWARE, SOFTWARE, DEVICES AND CONFIGURATION AS REQUIRED FOR A COMPLETELY FUNCTIONAL AND FULLY OPERATIONAL SYSTEM.
- WIRING SHALL BE COORDINATED AND CONFIRMED WITH SUPPLIER.

8 UNDER DESK MOUNTED PANIC RESET BUTTON DETAIL

DRAWING NOTES:

N-1 PANIC RESET BUTTON.

N-2 PANIC BUTTON.

N-3 ARMoured CABLE.

N-4 SECURITY WIRING IN MINIMUM 3/4" (21mm) CONDUIT.

N-5 CORE DRILL THROUGH FLOOR.

N-6 JUNCTION BOX MOUNTED TO UNDERSIDE OF SLAB.

SYMBOL ON PLAN

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- WIRING SHALL BE COORDINATED AND CONFIRMED WITH SUPPLIER.

DRAWING NOTES:

N-1 PANIC RESET BUTTON.

N-2 PANIC BUTTON.

N-3 ARMoured CABLE.

N-4 SECURITY WIRING IN MINIMUM 3/4" (21mm) CONDUIT.

N-5 CORE DRILL THROUGH FLOOR.

N-6 JUNCTION BOX MOUNTED TO UNDERSIDE OF SLAB.

SYMBOL ON PLAN

GENERAL NOTES:

- REFER TO DOOR DETAIL NOTES FOR ADDITIONAL INFORMATION.
- DOOR HANDLES SHOWN ARE DIAGRAMMATIC. REFER TO DOOR HARDWARE SCHEDULE FOR EXACT DOOR HANDLE TYPE.

DRAWING NOTES:

N-1 ONLINE WIRELESS LOCK COMPLETE WITH INTEGRATED DEVICES AS SHOWN BY DOOR HARDWARE CONTRACTOR. SECURITY CONTRACTOR SHALL COORDINATE WITH DOOR HARDWARE CONTRACTOR, INTEGRATE AND COMMISSION THE WIRELESS LOCK WITH THE ACCESS CONTROL SYSTEM.

N-2 WIRELESS SALTO LOCKS BY OTHERS. SALTO GATEWAYS, NODES AND ALL ASSOCIATED CABLING BY SECURITY CONTRACTOR.

3 DOOR DETAIL 1

DRAWING NOTES:

N-1 PANIC RESET BUTTON.

N-2 PANIC BUTTON.

N-3 ARMoured CABLE.

N-4 SECURITY WIRING IN MINIMUM 3/4" (21mm) CONDUIT.

N-5 CORE DRILL THROUGH FLOOR.

N-6 JUNCTION BOX MOUNTED TO UNDERSIDE OF SLAB.

SYMBOL ON PLAN

GENERAL NOTES:

- REFER TO DOOR DETAIL NOTES FOR ADDITIONAL INFORMATION.
- DOOR HANDLES SHOWN ARE DIAGRAMMATIC. REFER TO DOOR HARDWARE SCHEDULE FOR EXACT DOOR HANDLE TYPE.

4 DOOR DETAIL 2

DRAWING NOTES:

N-1 PANIC RESET BUTTON.

N-2 PANIC BUTTON.

N-3 ARMoured CABLE.

N-4 SECURITY WIRING IN MINIMUM 3/4" (21mm) CONDUIT.

N-5 CORE DRILL THROUGH FLOOR.

N-6 JUNCTION BOX MOUNTED TO UNDERSIDE OF SLAB.

SYMBOL ON PLAN

GENERAL NOTES:

- REFER TO DOOR DETAIL NOTES FOR ADDITIONAL INFORMATION.
- DOOR HANDLES SHOWN ARE DIAGRAMMATIC. REFER TO DOOR HARDWARE SCHEDULE FOR EXACT DOOR HANDLE TYPE.

5 DOOR DETAIL 3

DRAWING NOTES:

N-1 PANIC RESET BUTTON.

N-2 PANIC BUTTON.

N-3 ARMoured CABLE.

N-4 SECURITY WIRING IN MINIMUM 3/4" (21mm) CONDUIT.

N-5 CORE DRILL THROUGH FLOOR.

N-6 JUNCTION BOX MOUNTED TO UNDERSIDE OF SLAB.

SYMBOL ON PLAN

GENERAL NOTES:

- REFER TO DOOR DETAIL NOTES FOR ADDITIONAL INFORMATION.
- DOOR HANDLES SHOWN ARE DIAGRAMMATIC. REFER TO DOOR HARDWARE SCHEDULE FOR EXACT DOOR HANDLE TYPE.

DRAWING NOTES:

N-1 PANIC RESET BUTTON.

N-2 PANIC BUTTON.

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N-5 CORE DRILL THROUGH FLOOR.

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SYMBOL ON PLAN

GENERAL NOTES:

- REFER TO DOOR DETAIL NOTES FOR ADDITIONAL INFORMATION.
- DOOR HANDLES SHOWN ARE DIAGRAMMATIC. REFER TO DOOR HARDWARE SCHEDULE FOR EXACT DOOR HANDLE TYPE.

1 DEVICE MOUNTING HEIGHTS

SYSTEM COMPONENT	PREP DOOR	SUPPLY DEVICE	INSTALL DEVICE	SUPPLY AND INSTALL CONDUIT	SUPPLY AND INSTALL WIRING	COMMISSION	COMMENTS
WIRED SECURITY DOORS							
CARD READER (CR)	DOOR HARDWARE CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR	ELECTRICAL CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR	
DOOR CONTACT (DC)	DOOR HARDWARE CONTRACTOR	DOOR HARDWARE CONTRACTOR	SECURITY CONTRACTOR	ELECTRICAL CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR	
ELECTRIC STRIKE (ES)	DOOR HARDWARE CONTRACTOR	DOOR HARDWARE CONTRACTOR	DOOR HARDWARE CONTRACTOR	ELECTRICAL CONTRACTOR	DOOR HARDWARE CONTRACTOR AND SECURITY CONTRACTOR	DOOR HARDWARE CONTRACTOR	ELECTRICAL CONTRACTOR SHALL USE LATEST DWS SCHEDULE TO COORDINATE CONDUIT REQUIREMENTS FOR DOOR LOCK MECHANISM. REFER TO DETAIL E8038 - NOTE # 1 & 1.
ELECTRIC LATCH RETRACTION (ELR)	DOOR HARDWARE CONTRACTOR	DOOR HARDWARE CONTRACTOR	DOOR HARDWARE CONTRACTOR	ELECTRICAL CONTRACTOR	DOOR HARDWARE CONTRACTOR AND SECURITY CONTRACTOR	DOOR HARDWARE CONTRACTOR	
ELECTRIC MORTISE LOCK (EML)	DOOR HARDWARE CONTRACTOR	DOOR HARDWARE CONTRACTOR	DOOR HARDWARE CONTRACTOR	ELECTRICAL CONTRACTOR	DOOR HARDWARE CONTRACTOR AND SECURITY CONTRACTOR	DOOR HARDWARE CONTRACTOR	
MOTION REQUEST TO EXIT (MRX)	DOOR HARDWARE CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR	ELECTRICAL CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR	
WIRING FROM DOOR DEVICES TO DOOR CONTROLLER OR TERMINAL STRIP		SECURITY CONTRACTOR	SECURITY CONTRACTOR	ELECTRICAL CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR	
POWER SUPPLY FOR ES/EM		SECURITY CONTRACTOR	SECURITY CONTRACTOR		SECURITY CONTRACTOR	SECURITY CONTRACTOR	
SALTO SERVER AND CLIENT COMPUTER MANAGEMENT SYSTEM (CMS) WITH SOFTWARE		SECURITY CONTRACTOR	SECURITY CONTRACTOR		SECURITY CONTRACTOR	SECURITY CONTRACTOR	
INTEGRATION OF INTRUSION DETECTION SYSTEM WITH ACCESS CONTROL SYSTEM TO RELAY ALL DOOR ALARMS FROM THE ACCESS CONTROL SYSTEM TO A 3RD PARTY ALARM MONITORING COMPANY		SECURITY CONTRACTOR	SECURITY CONTRACTOR	ELECTRICAL CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR	
ACCESS CONTROL CONTROLLER BOARDS	N/A	SECURITY CONTRACTOR	SECURITY CONTRACTOR	ELECTRICAL CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR AND CLIENT	CONTROLLERS SHALL BE FILLED TO A MAXIMUM OF 75% OF THE MAXIMUM CARD READER CAPACITY TO ALLOW FOR FUTURE EXPANSION.
SALTO CARD READER/PC CONTROLLER/CABLING	DOOR HARDWARE CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR	ELECTRICAL CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR	
WIRELESS SECURITY DOORS							
WIRELESS LOCKS	DOOR HARDWARE CONTRACTOR	DOOR HARDWARE CONTRACTOR	DOOR HARDWARE CONTRACTOR	N/A	N/A	SECURITY CONTRACTOR	
NODES/GATES	N/A	SECURITY CONTRACTOR	SECURITY CONTRACTOR	ELECTRICAL CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR	
SALTO SOFTWARES		SECURITY CONTRACTOR	SECURITY CONTRACTOR	N/A	SECURITY CONTRACTOR	SECURITY CONTRACTOR DOOR HARDWARE CONTRACTOR	
INTRUSION DETECTION SYSTEM							
DOOR CONTACT (DC)	DOOR HARDWARE CONTRACTOR	DOOR HARDWARE CONTRACTOR	SECURITY CONTRACTOR	ELECTRICAL CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR	
MOTION REQUEST TO EXIT (MRX)		SECURITY CONTRACTOR	SECURITY CONTRACTOR	ELECTRICAL CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR	
MOTION DETECTOR		SECURITY CONTRACTOR	SECURITY CONTRACTOR	ELECTRICAL CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR	
KEYPADS		SECURITY CONTRACTOR	SECURITY CONTRACTOR	ELECTRICAL CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR	
GLASS BREAK DETECTOR		SECURITY CONTRACTOR	SECURITY CONTRACTOR	ELECTRICAL CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR	
WIRING FROM DOOR DEVICES TO DOOR CONTROLLER		SECURITY CONTRACTOR	SECURITY CONTRACTOR	ELECTRICAL CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR	
INTRUSION DETECTION CONTROLLER		SECURITY CONTRACTOR	SECURITY CONTRACTOR	ELECTRICAL CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR	
INTEGRATION OF INTRUSION DETECTION SYSTEM WITH ACCESS CONTROL SYSTEM TO RELAY ALL DOOR ALARMS FROM THE ACCESS CONTROL SYSTEM TO A 3RD PARTY ALARM MONITORING COMPANY		SECURITY CONTRACTOR	SECURITY CONTRACTOR	ELECTRICAL CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR	
VIDEO SURVEILLANCE SYSTEM							
CCTV CAMERA		SECURITY CONTRACTOR	SECURITY CONTRACTOR	ELECTRICAL CONTRACTOR	COMMUNICATIONS CONTRACTOR	SECURITY CONTRACTOR	
UTP CAT 6 CABLE FROM CCTV CAMERA TO PATCH PANEL/DATA SWITCH		SECURITY CONTRACTOR	SECURITY CONTRACTOR	ELECTRICAL CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR	
PoE DATA SWITCH	CLIENT	CLIENT	COMMUNICATIONS CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR AND CLIENT	SECURITY CONTRACTOR AND CLIENT	
VIDEO SURVEILLANCE SERVER/NETWORK VIDEO RECORDER (NVR) AND CLIENT COMPUTER MANAGEMENT SYSTEM (CMS) WITH SOFTWARE	CLIENT	CLIENT	N/A	SECURITY CONTRACTOR	SECURITY CONTRACTOR AND CLIENT	SECURITY CONTRACTOR AND CLIENT	
INTERCOM SYSTEM							
MASTER INTERCOM AND INTERCOM SYSTEM		SECURITY CONTRACTOR	SECURITY CONTRACTOR	ELECTRICAL CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR	
WIRING		SECURITY CONTRACTOR	SECURITY CONTRACTOR	ELECTRICAL CONTRACTOR	SECURITY CONTRACTOR	SECURITY CONTRACTOR	
POWER SUPPLY		SECURITY CONTRACTOR	SECURITY CONTRACTOR		SECURITY CONTRACTOR	SECURITY CONTRACTOR	
MISCELLANEOUS PASSIVE EQUIPMENT							
4-POST RACK IN MAIN TELECOM ROOM		COMMUNICATIONS CONTRACTOR	COMMUNICATIONS CONTRACTOR		N/A	SECURITY CONTRACTOR	
UTP CATEGORY 6 PATCH PANELS		COMMUNICATIONS CONTRACTOR	COMMUNICATIONS CONTRACTOR		N/A	SECURITY CONTRACTOR	

DEVICE	MOUNTING HEIGHT	DEVICE	MOUNTING HEIGHT	DEVICE	MOUNTING HEIGHT	DEVICE	MOUNTING HEIGHT
CR	1100 MM (43 IN.) AFF	□	1100 MM (43 IN.) AFF	MRX	WALL OR CEILING MOUNT ABOVE DOOR AS RECOMMENDED BY MANUFACTURER	DA	CEILING MOUNT ABOVE DOOR

DEVICE	MOUNTING HEIGHT	DEVICE	MOUNTING HEIGHT	DEVICE	MOUNTING HEIGHT	DEVICE	MOUNTING HEIGHT
CR	1100 MM (43 IN.) AFF	□	1100 MM (43 IN.) AFF	MRX	WALL OR CEILING MOUNT ABOVE DOOR AS RECOMMENDED BY MANUFACTURER	DA	CEILING MOUNT ABOVE DOOR

DEVICE	MOUNTING HEIGHT	DEVICE	MOUNTING HEIGHT	DEVICE	MOUNTING HEIGHT	DEVICE	MOUNTING HEIGHT
CR	1100 MM (43 IN.) AFF	□	1100 MM (43 IN.) AFF	MRX	WALL OR CEILING MOUNT ABOVE DOOR AS RECOMMENDED BY MANUFACTURER	DA	CEILING MOUNT ABOVE DOOR

- GENERAL NOTES:**
- REFER TO DOOR DETAIL NOTES FOR ADDITIONAL INFORMATION.
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DEVICE	MOUNTING HEIGHT	DEVICE	MOUNTING HEIGHT	DEVICE	MOUNTING HEIGHT	DEVICE	MOUNTING HEIGHT
CR	1100 MM (43 IN.) AFF	□	1100 MM (43 IN.) AFF	MRX	WALL OR CEILING MOUNT ABOVE DOOR AS RECOMMENDED BY MANUFACTURER	DA	CEILING MOUNT ABOVE DOOR

2 SECURITY, DOOR HARDWARE, ELECTRICAL AND COMMUNICATIONS CONTRACTORS RESPONSIBILITY MATRIX FOR SECURITY DEVICES INSTALLATION

DRAWING NOTES:

N-1 PANIC RESET BUTTON.

N-2 PANIC BUTTON.

N-3 ARMoured CABLE.

N-4 SECURITY WIRING IN MINIMUM 3/4" (21mm) CONDUIT.

N-5 CORE DRILL THROUGH FLOOR.

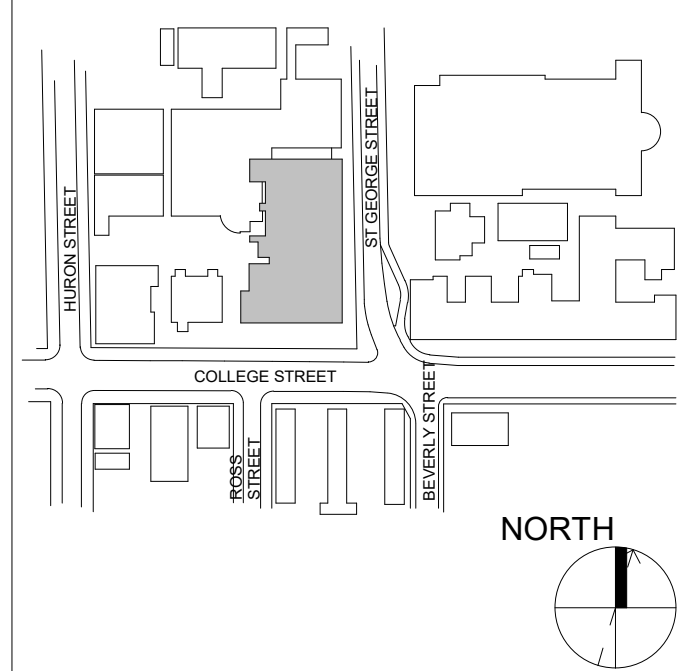
N-6 JUNCTION BOX MOUNTED TO UNDERSIDE OF SLAB.

SYMBOL ON PLAN

GENERAL NOTES:

- REFER TO DOOR DETAIL NOTES FOR ADDITIONAL INFORMATION.
- DOOR HANDLES SHOWN ARE DIAGRAMMATIC. REFER TO DOOR HARDWARE SCHEDULE FOR EXACT DOOR HANDLE TYPE.

KEY PLAN:



NO.	DATE	REVISION DESCRIPTION
1	2024-04-04	ISSUED FOR BIDDING
2	2024-11-15	PERMIT
3	2024-12-24	ISSUED FOR FAS REVIEW
4	2024-12-23	ISSUED FOR FAS REVIEW
5	2025-01-24	ISSUED FOR PEER REVIEW
6	2025-01-31	ISSUED FOR BID
12	2025-04-30	ISSUED FOR CONSTRUCTION

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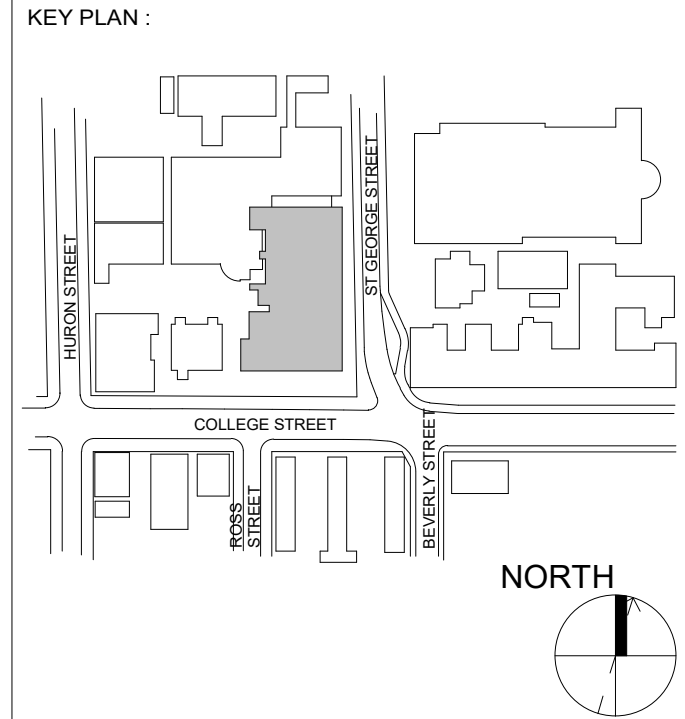
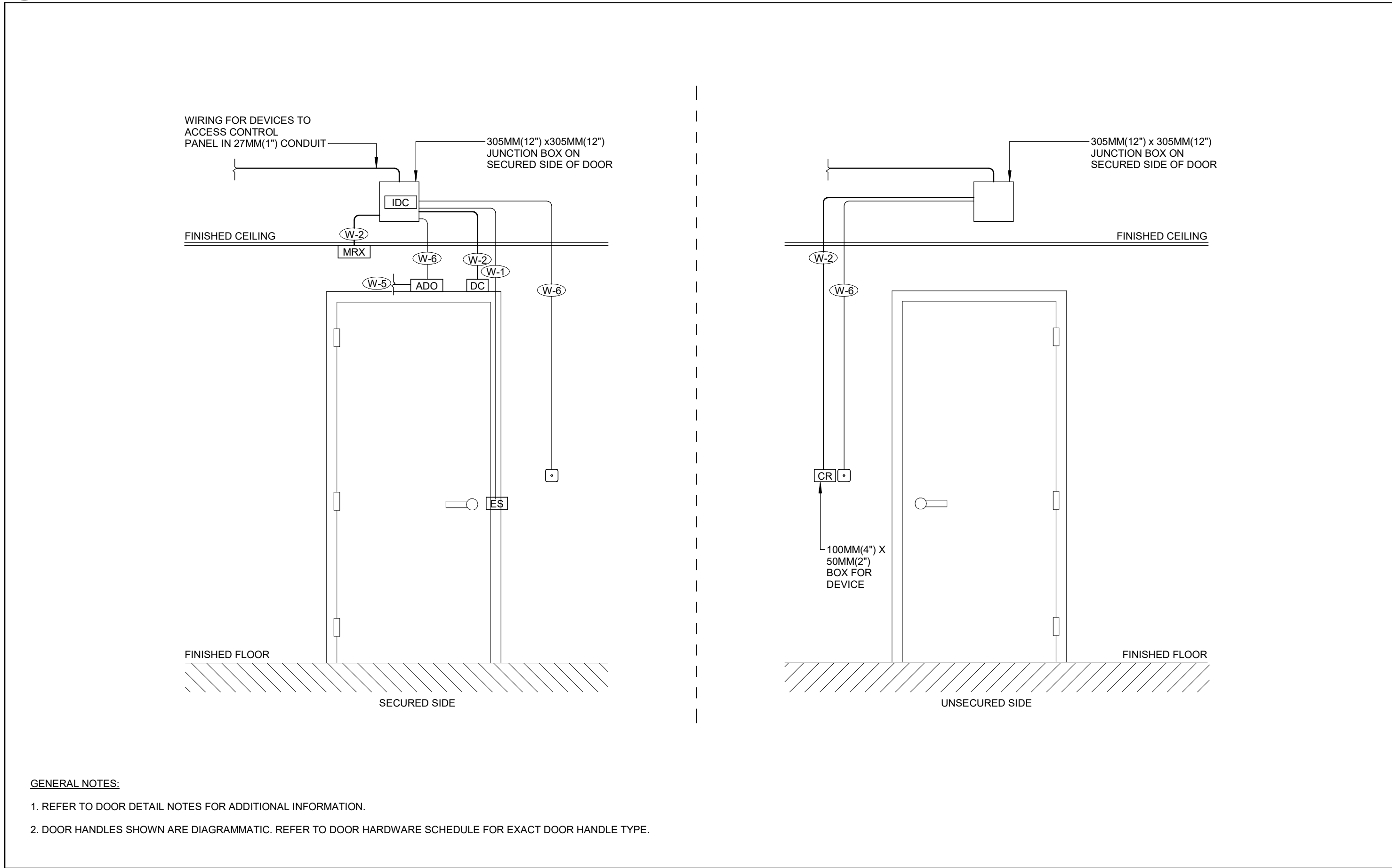
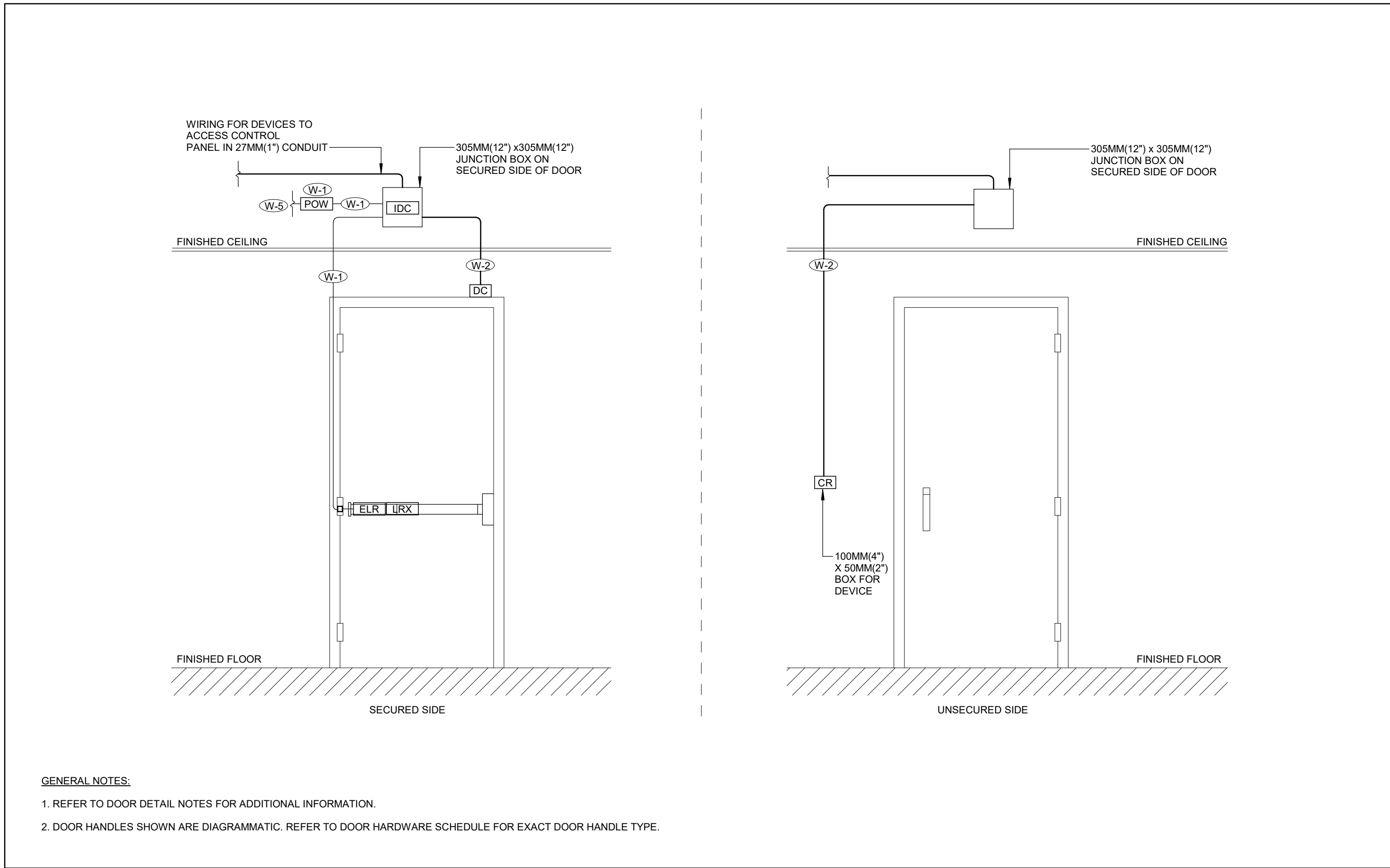
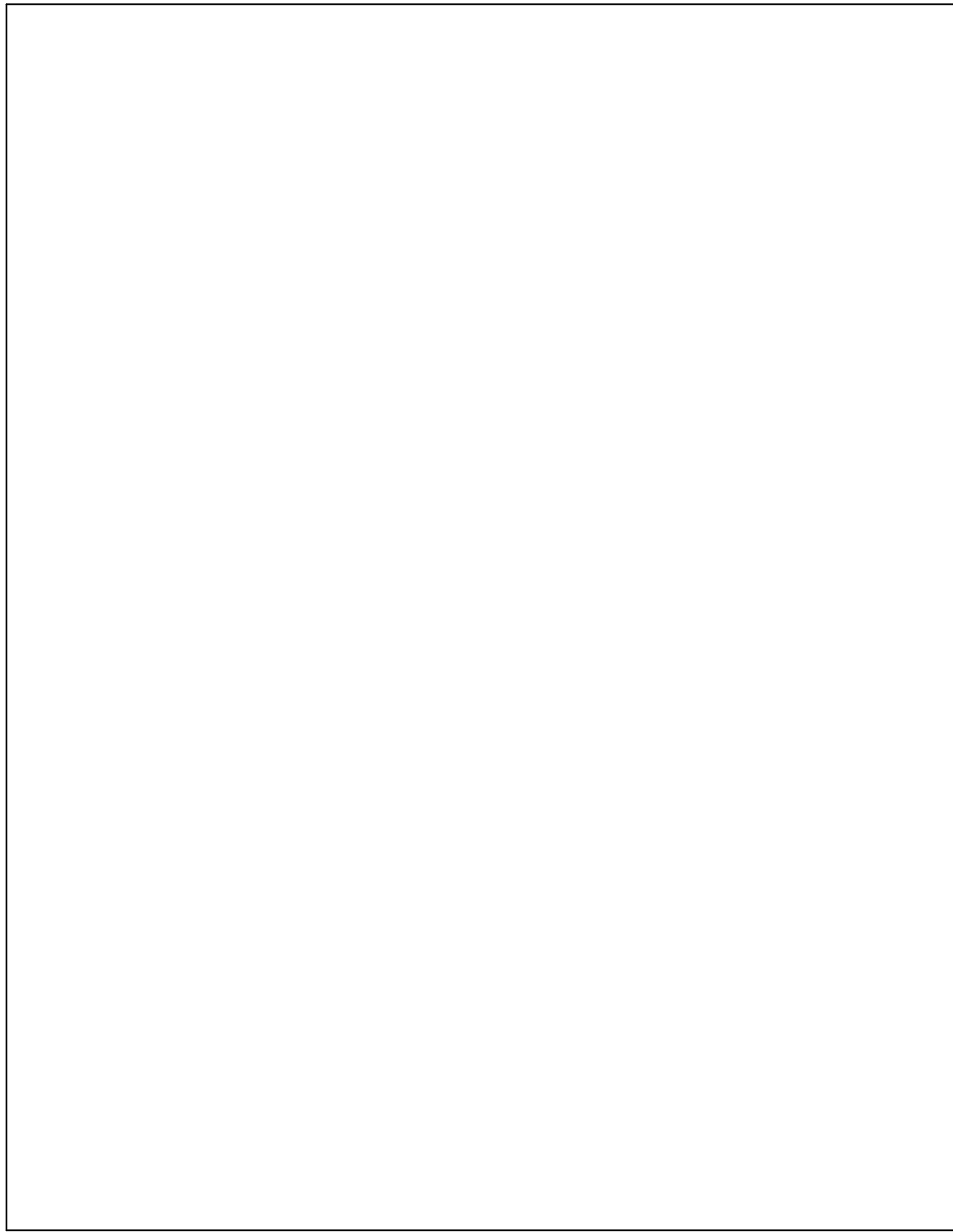
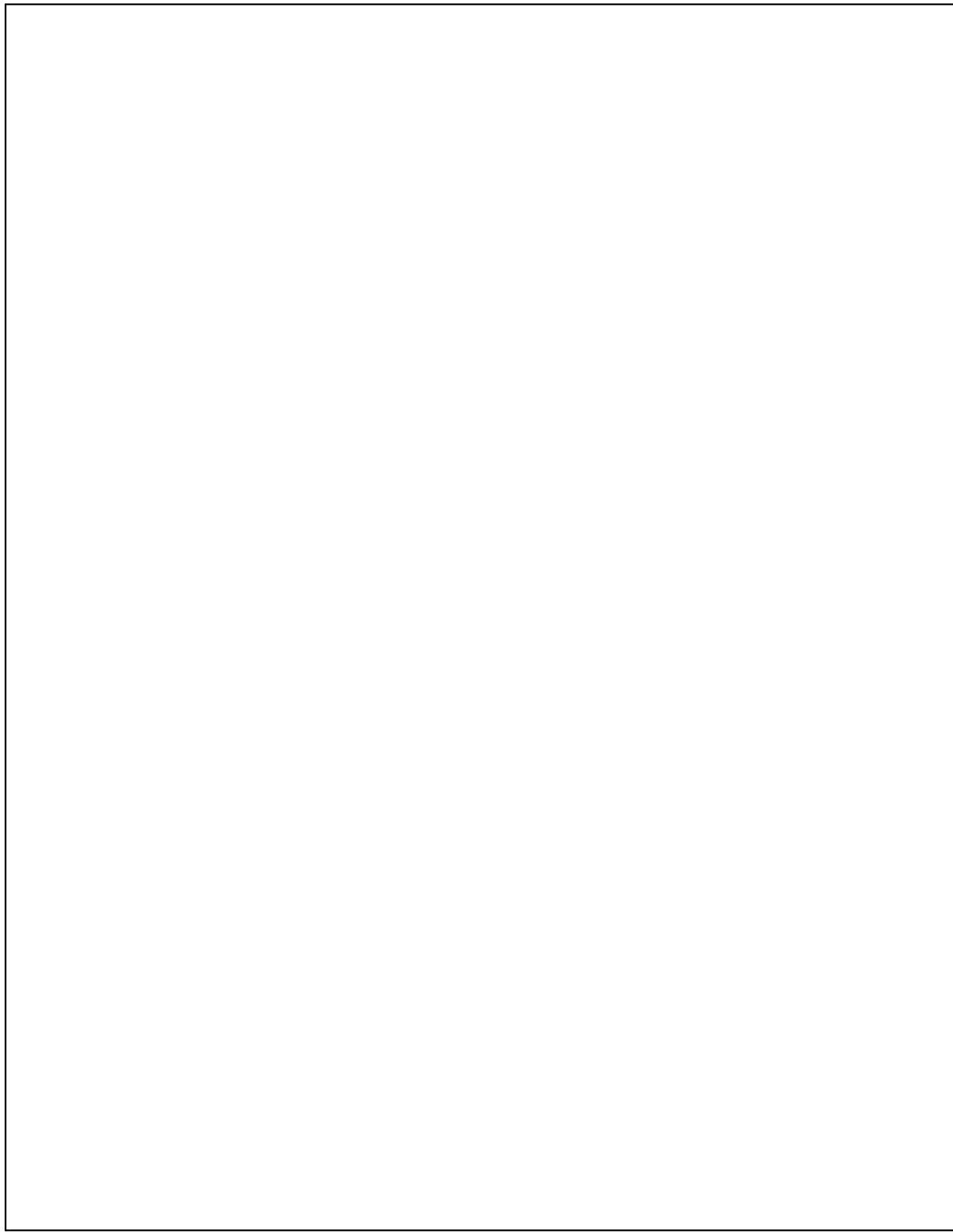
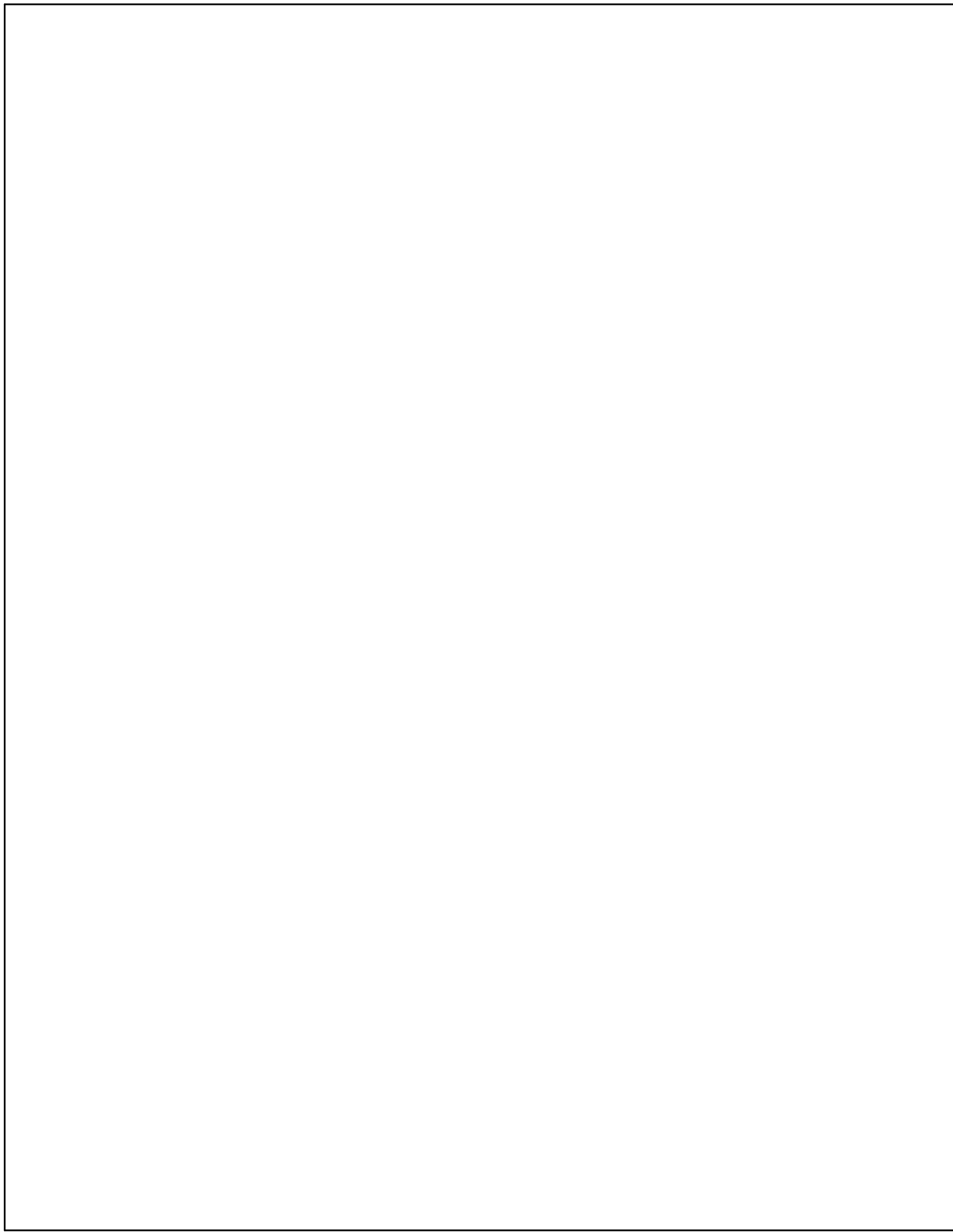
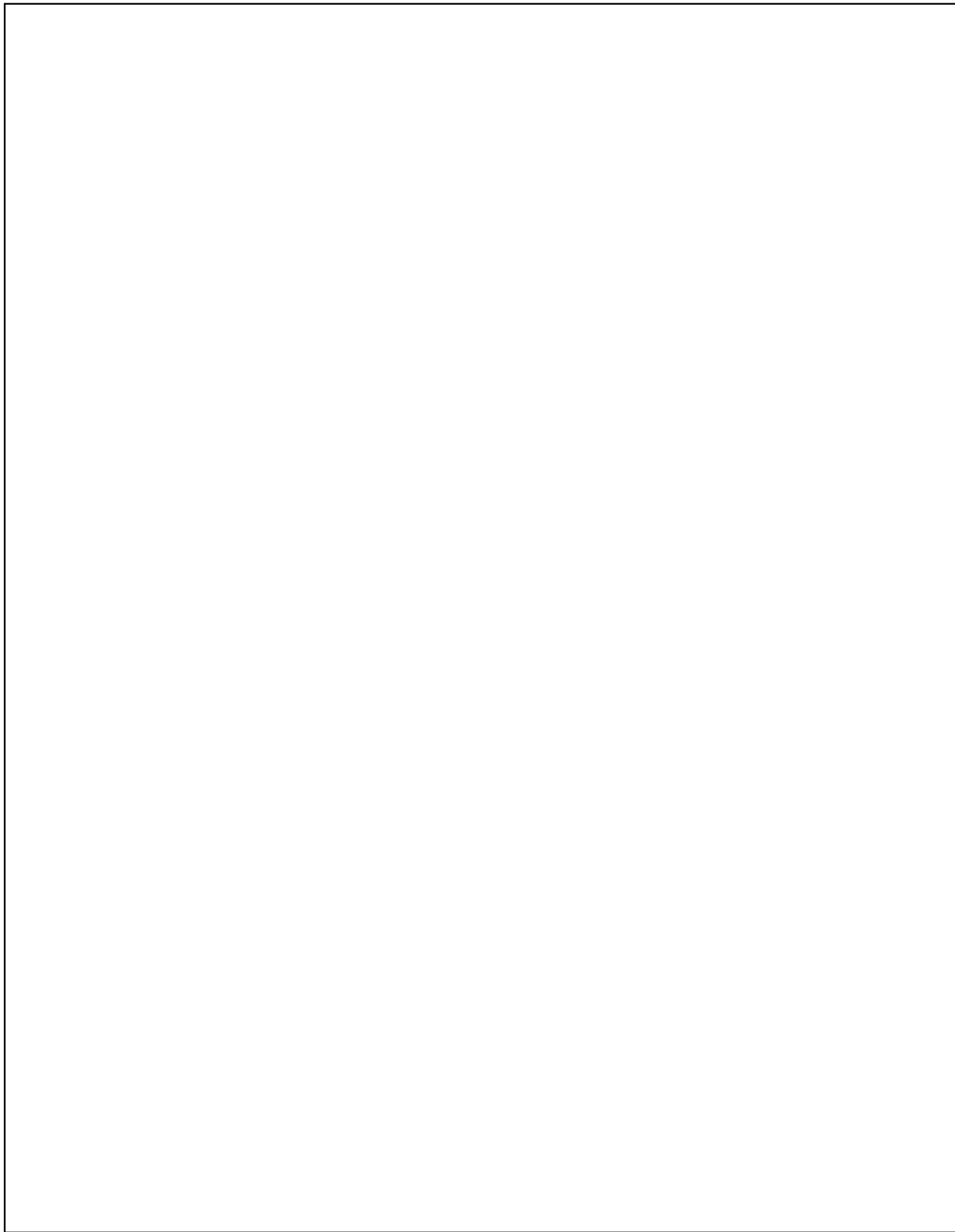
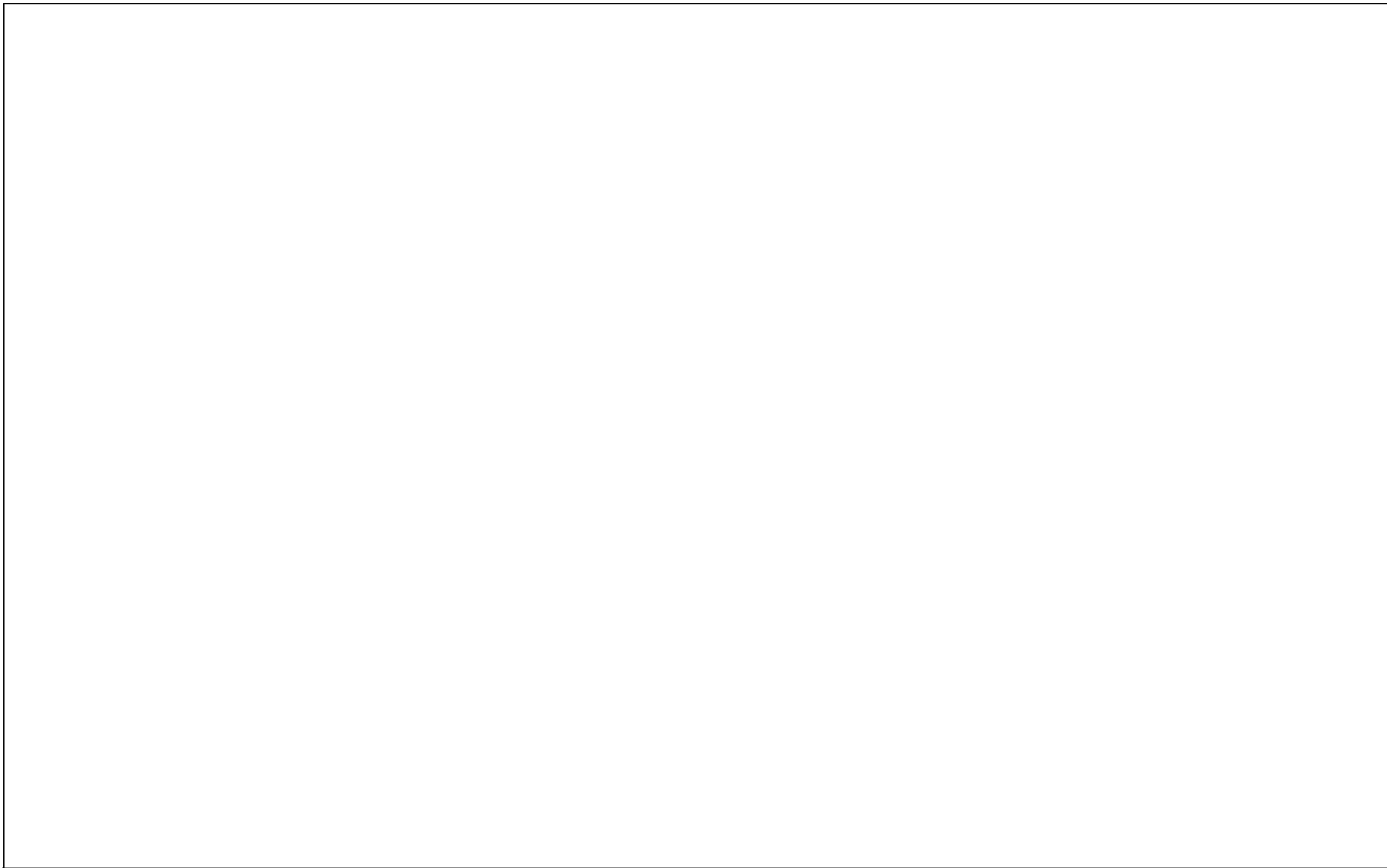
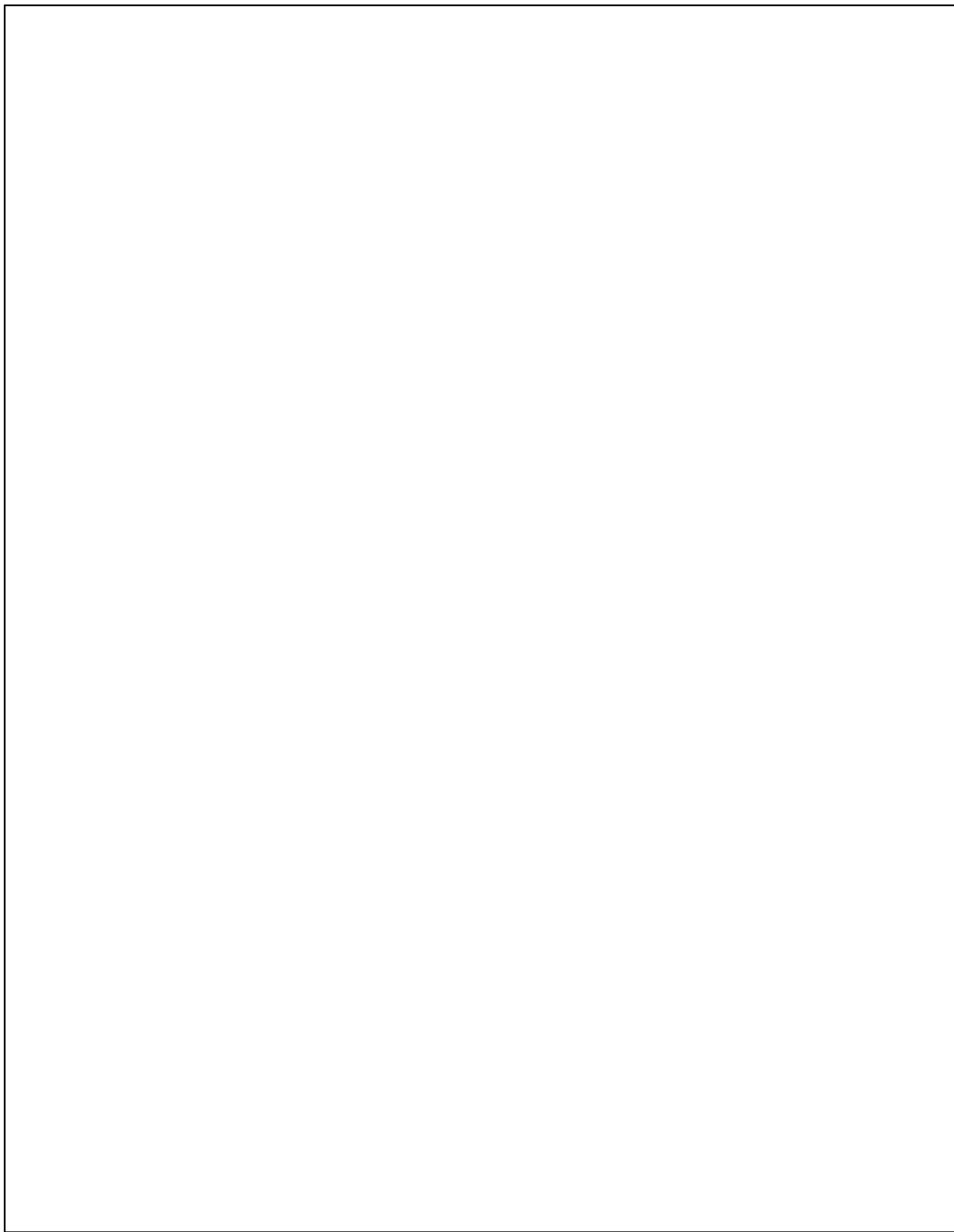
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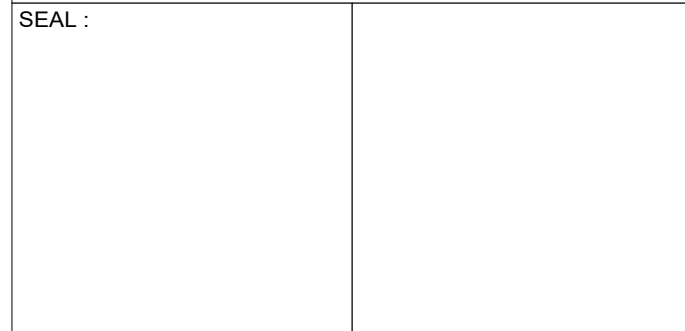
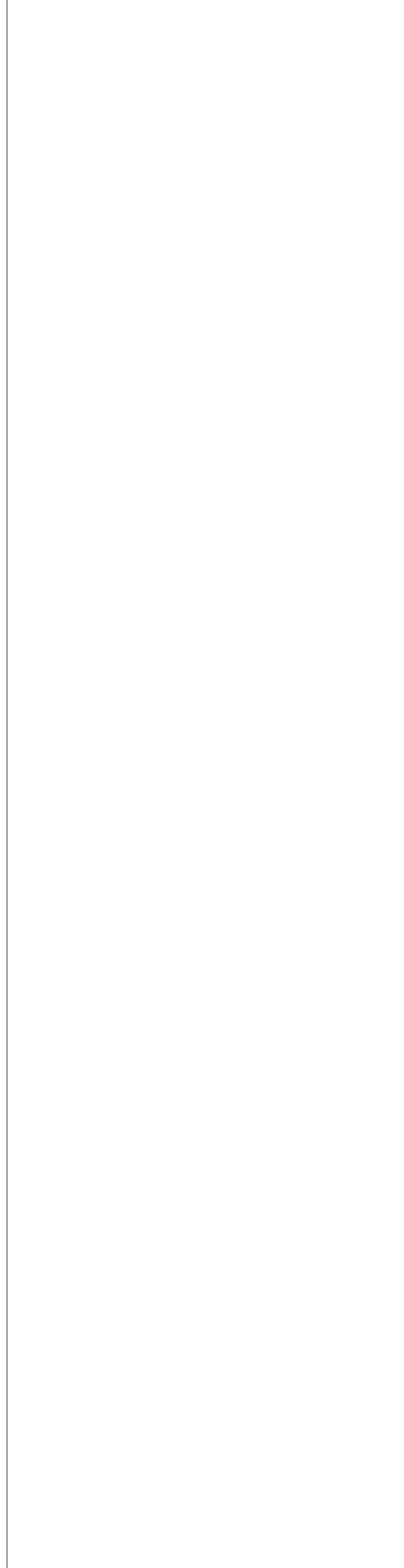
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3	2024-	



REVISION	
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1	2024-10-04 ISSUED FOR 50%
2	2024-11-15 PERMIT
3	2024-12-04 ISSUED FOR FAS REVIEW
4	2024-12-23 ISSUED FOR FAS REVIEW
5	2025-01-24 ISSUED FOR FAS REVIEW
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PROJECT:
HEALTH AND WELLNESS
CENTRE RENOVATION AT
KOFFLER

214 COLLEGE ST.
TORONTO, ON M5T 3A1

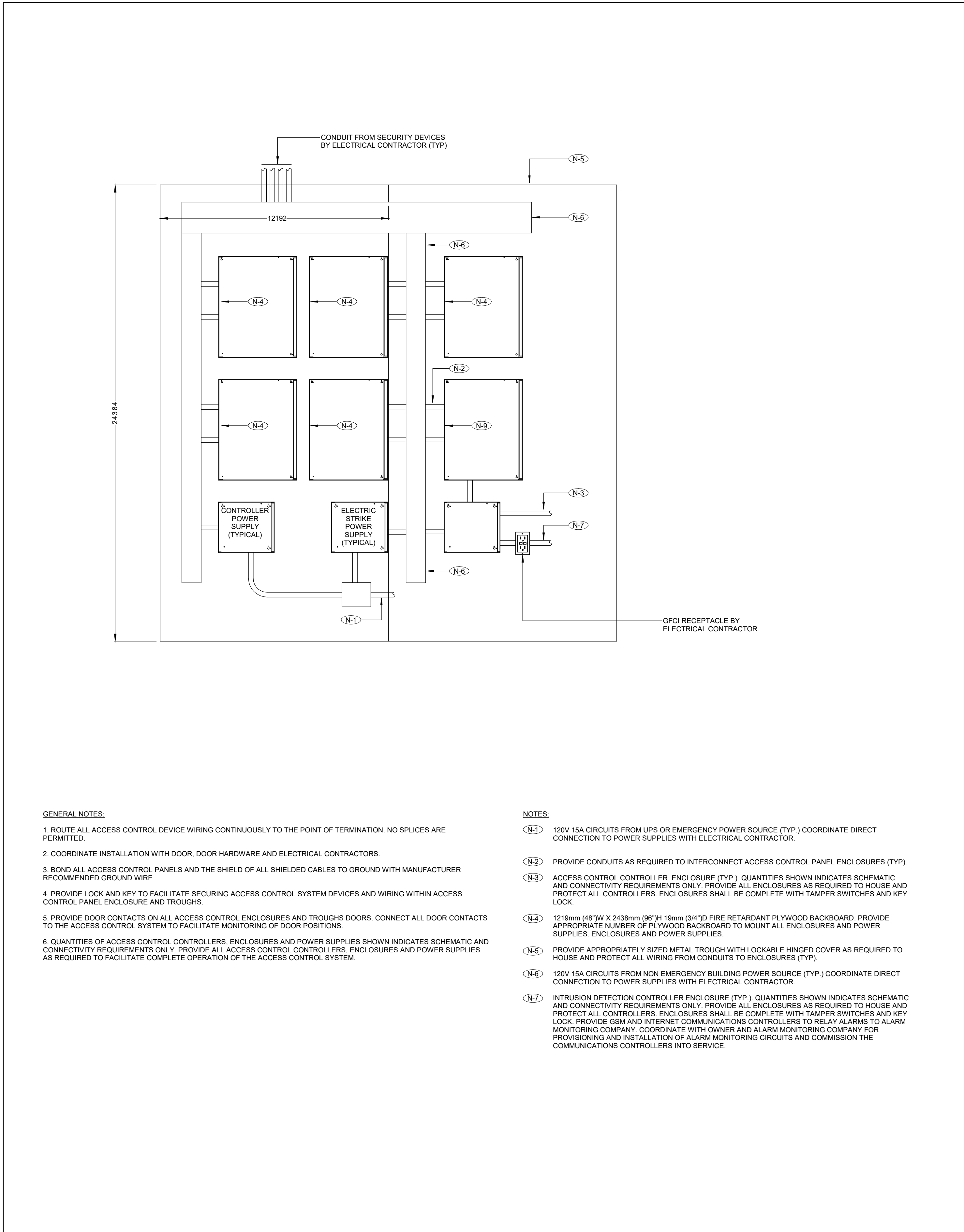
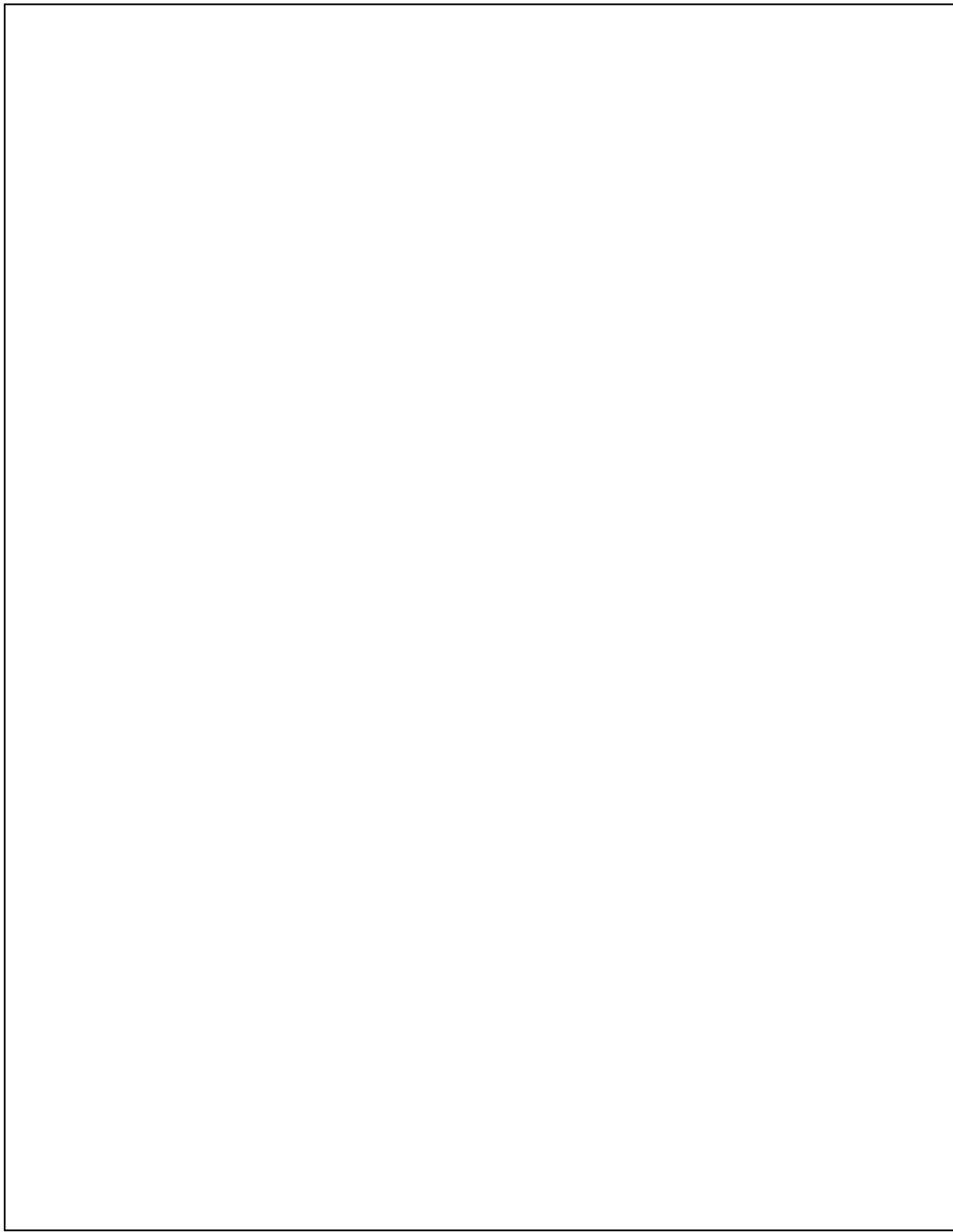
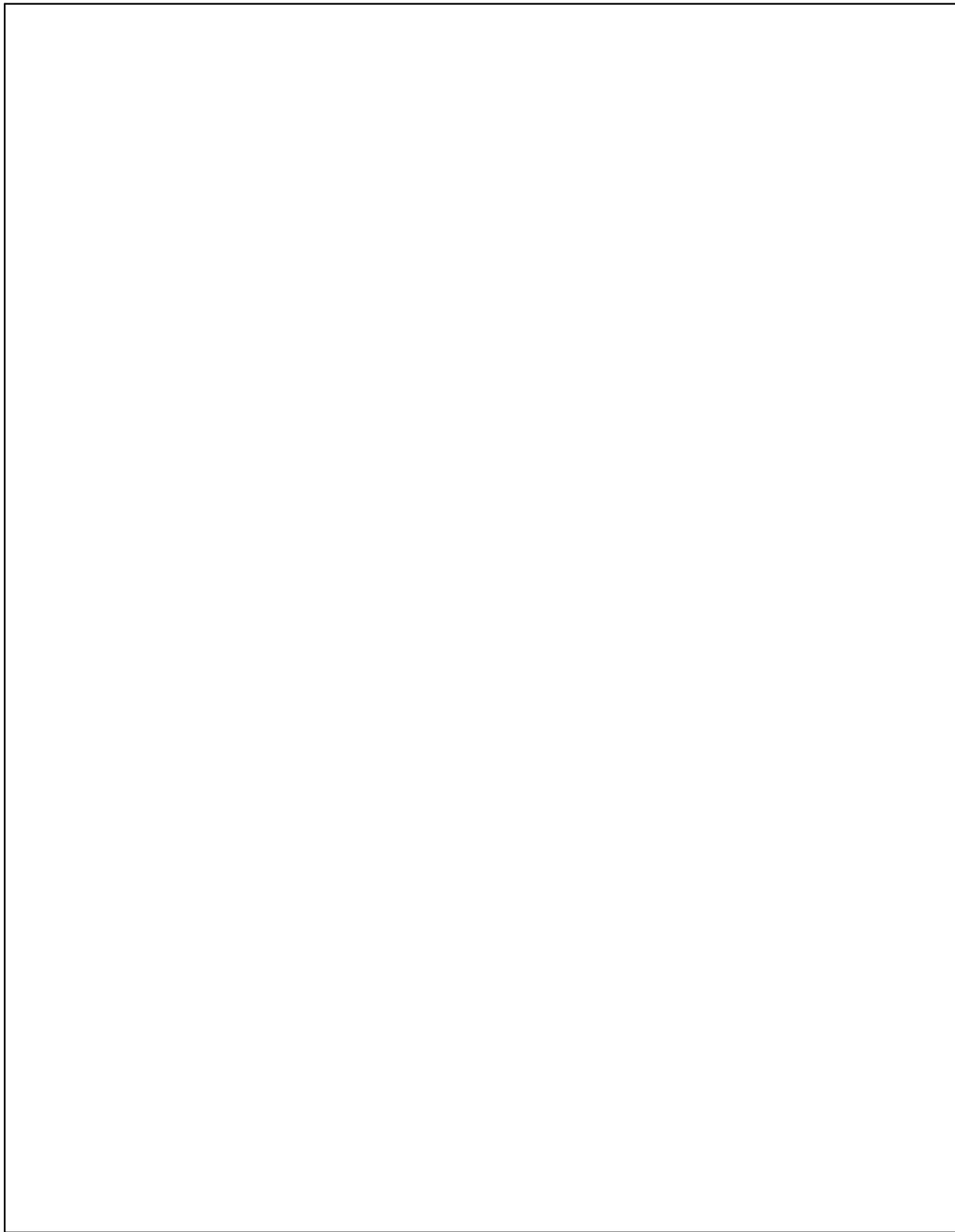
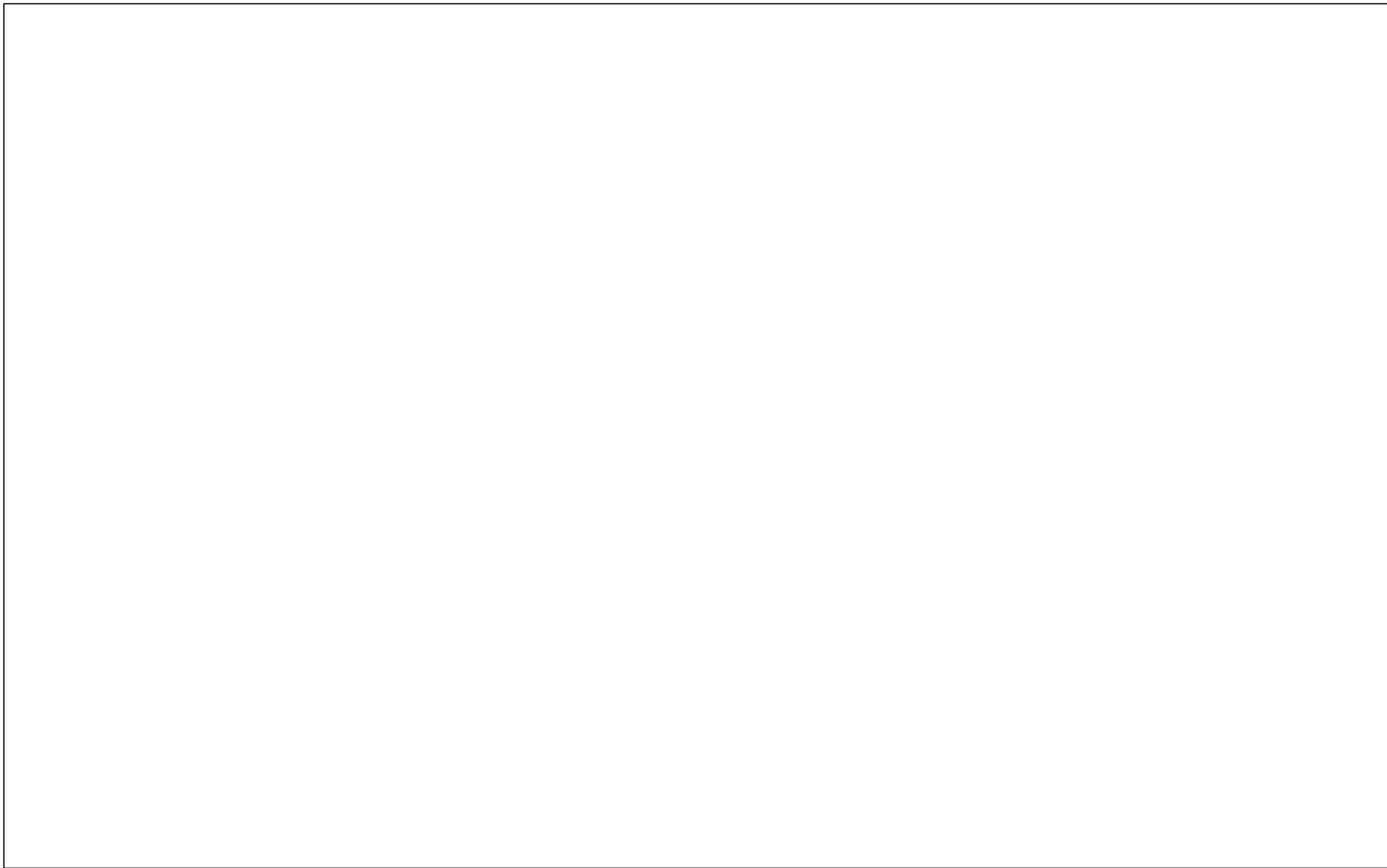
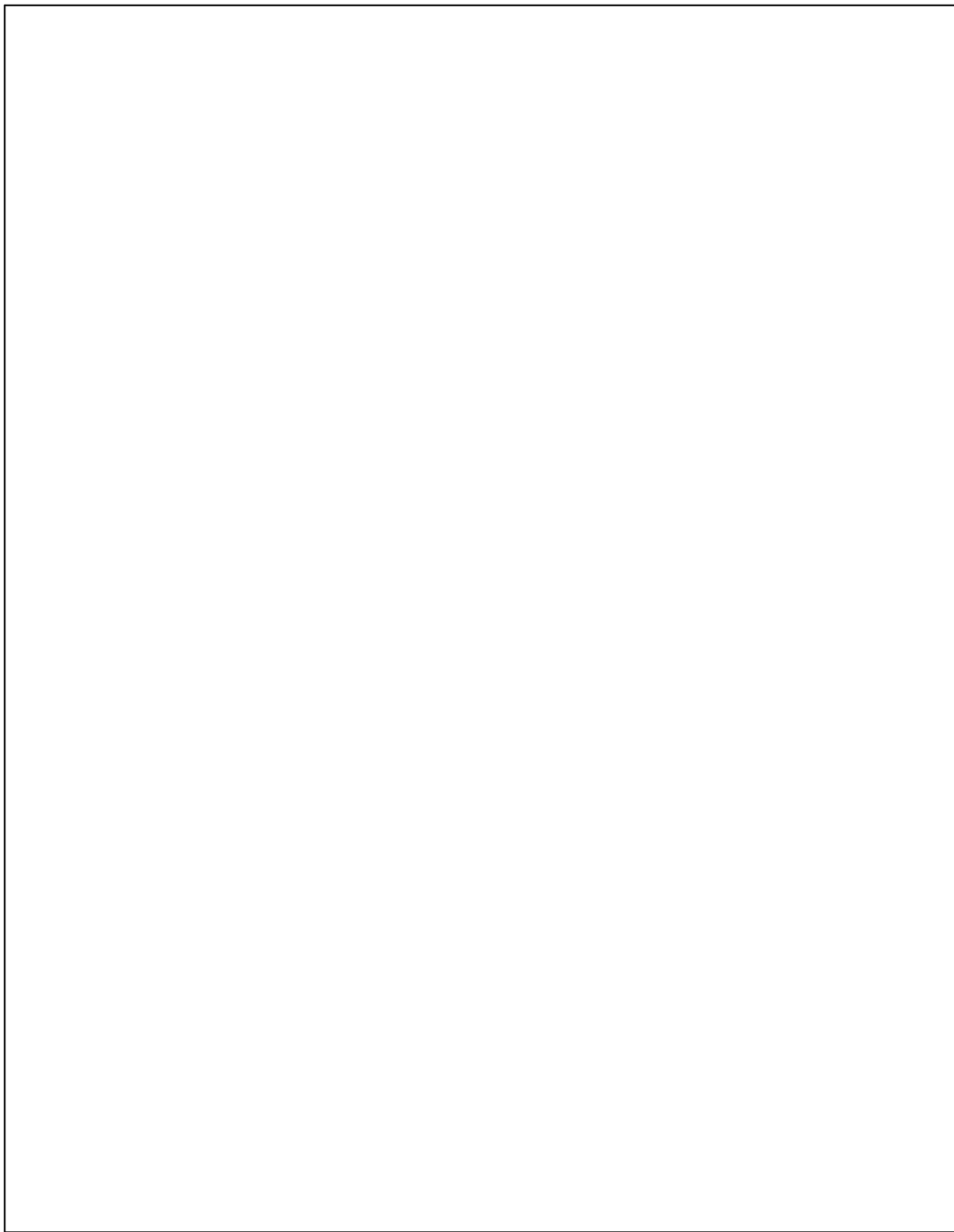
SHEET CONTENTS:
STANDARD DETAILS -
SECURITY

PROJECT NUMBER:
21590.003

DRAWING SCALE:
NTS.

DRAWN BY: CHECKED BY: DATE:
Author Checker Issue Date

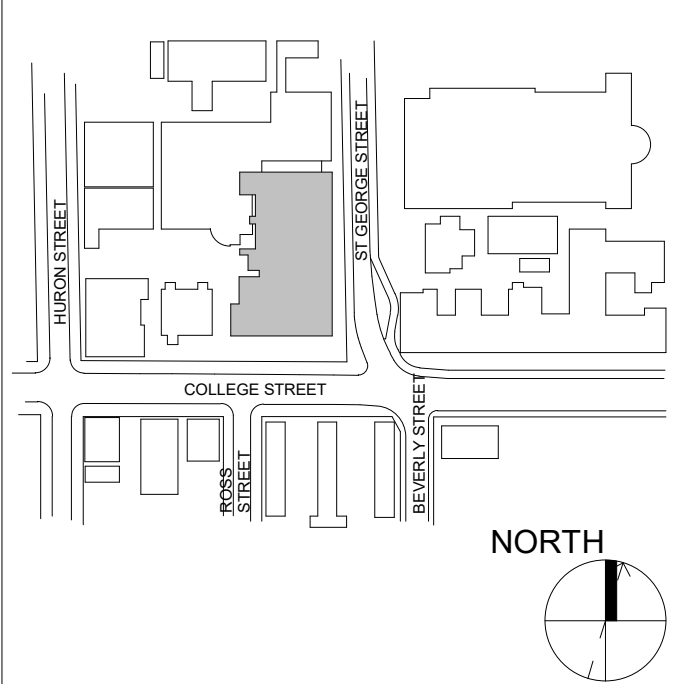
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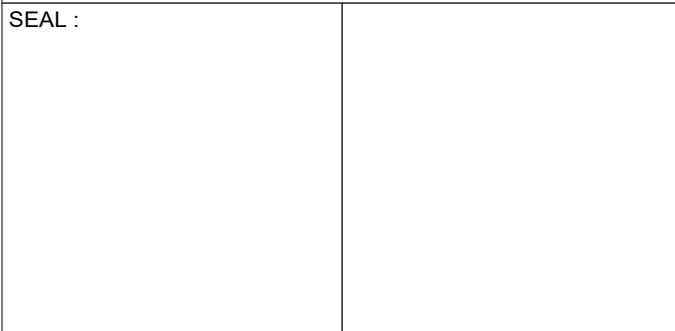
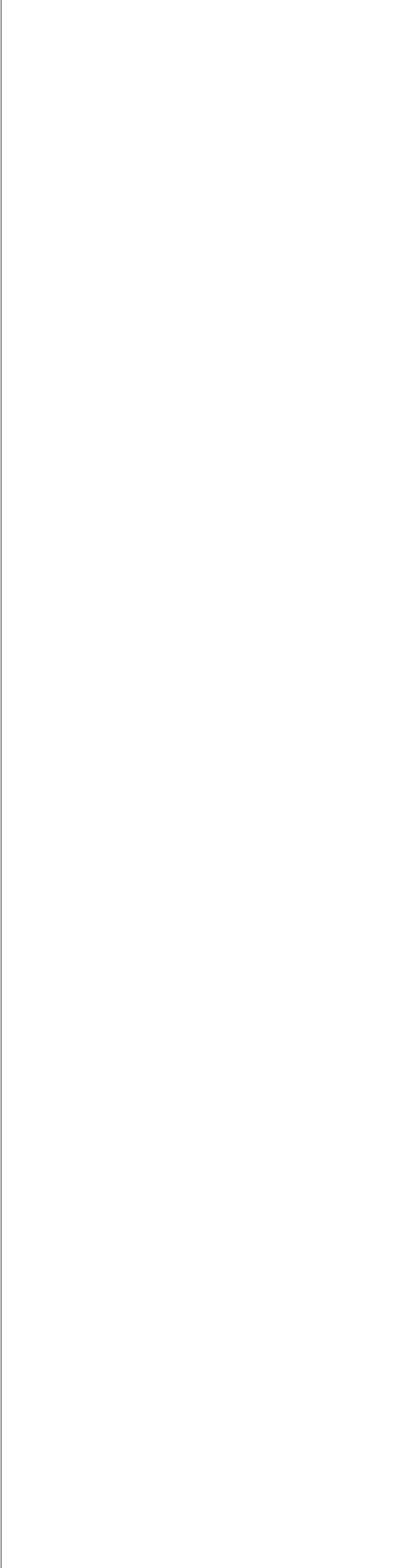
1 ACCESS CONTROL ENCLOSURE MOUNTING DETAILS



KEY PLAN :



REVISION		
NO.	DATE	DESCRIPTION
1	2024-10-04	ISSUED FOR 50%.
2	2024-11-15	PERMIT
3	2024-12-04	ISSUED FOR F&S REVIEW
4	2024-12-23	ISSUED FOR F&S REVIEW
5	2025-01-24	ISSUED FOR PEER REVIEW
6	2025-01-31	ISSUED FOR BID
12	2025-04-30	ISSUED FOR CONSTRUCTION

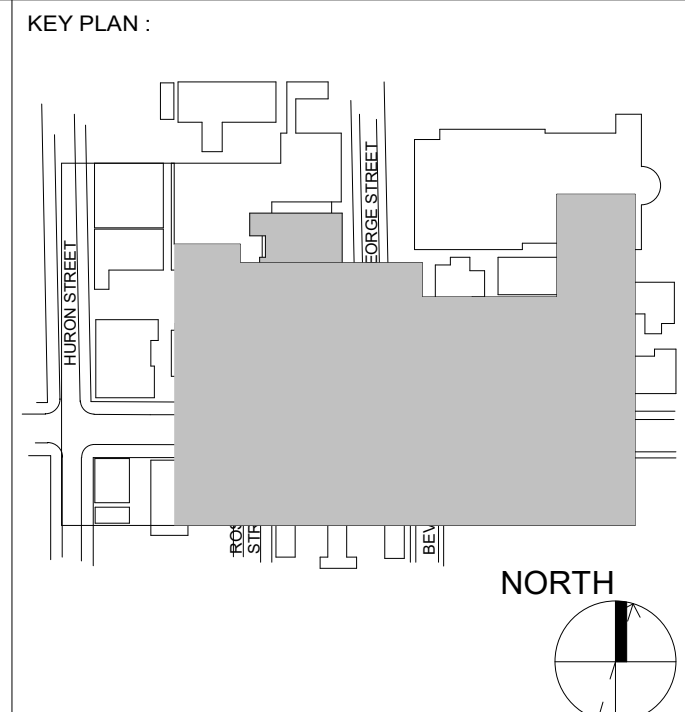


PROJECT :
HEALTH AND WELLNESS
CENTRE RENOVATION AT
KOFFLER

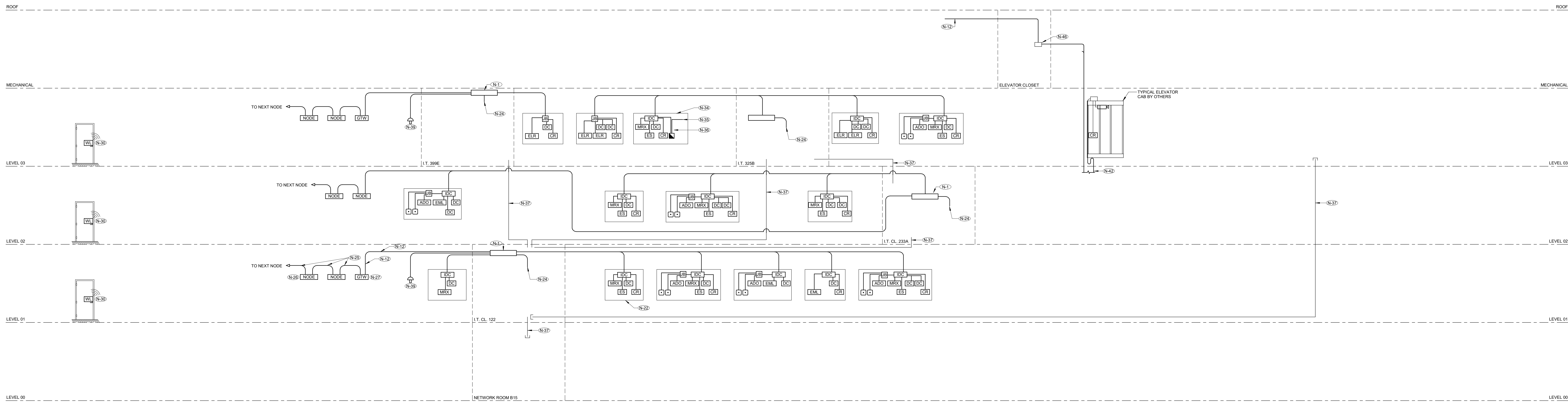
214 COLLEGE ST.
TORONTO, ON M5T 3A1

SHEET CONTENTS :
STANDARD DETAILS -
SECURITY

PROJECT NUMBER : 21590.003		
DRAWING SCALE : NTS.		
DRAWN BY : Author	CHECKED BY : Checker	DATE : Issue Date



REVISION		
NO.	DATE	DESCRIPTION
1	2024-10-04	ISSUED FOR 50% PERMIT
2	2024-11-15	
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4	2024-12-23	ISSUED FOR F&S REVIEW
5	2025-01-24	ISSUED FOR PEER REVIEW
6	2025-01-31	ISSUED FOR BID
9	2025-03-21	BID ADDENDUM #03
12	2025-04-30	ISSUED FOR CONSTRUCTION

[illegible]

- DRAWING NOTES:
- N-01 POWER OVER ETHERNET (POE) EDGE DATA SWITCH BY OWNER (TYP).
- N-02 ETHERNET CORD DATA SWITCH BY OWNER.
- N-03 DUPLEX FIBRE OPTIC PATCH CORDS BY COMMUNICATIONS CONTRACTOR (TYP).
- N-04 30-PORT FIBRE OPTIC PATCH PANEL BY COMMUNICATIONS CONTRACTOR (TYP).
- N-05 10-PORT UNINTERRUPTIBLE POWER SUPPLY (TYP).
- N-06 STAND MULTIMODE FIBRE OPTIC CABLE IN 27mm CONDUIT. FIBRE OPTIC CABLE BY COMMUNICATIONS CONTRACTOR AND CONDUIT BY ELECTRICAL CONTRACTOR.
- N-07 4-PORT PATCH PANEL BY COMMUNICATIONS CONTRACTOR (TYP).
- N-08 4-PAIR PATCH CORD BY COMMUNICATIONS CONTRACTOR (TYP).
- N-09 24-PORT FIBRE OPTIC PATCH PANEL BY COMMUNICATIONS CONTRACTOR (TYP).
- N-10 4-PAIR CATEGORY 6A CABLE IN CONDUIT. CABLE BY COMMUNICATIONS CONTRACTOR AND CONDUIT BY ELECTRICAL CONTRACTOR (TYP).
- N-11 CATEGORY 6 VOICE DATA OUTLETS BY COMMUNICATIONS CONTRACTOR (TYP).
- N-12 4-PAIR CATEGORY 6A CABLE IN 27mm CONDUIT. CABLE BY COMMUNICATIONS CONTRACTOR CONDUIT BY ELECTRICAL CONTRACTOR. WHERE THE LENGTH OF 4-PAIR CATEGORY 6A CABLE BETWEEN A DEVICE AND ITS RESPECTIVE PATCH PANEL IS EXCEEDING 100 METERS, THE CONTRACTOR SHALL PROVIDE A POWER SUPPLY AS IT WILL BE REQUIRED TO FACILITATE ETHERNET AND POE/CONNECTION BETWEEN THE RESPECTIVE POE DATA SWITCH AND RESPECTIVE PATCH PANEL. EXTENDING THE LENGTH OF THE CABLE TO THE PATCH PANEL DATA SWITCH OR POWERED FROM A POWER SUPPLY THAT IS LOCATED WITHIN THE ROOM THAT HOUSE THE RESPECTIVE DATA SWITCH (TYP).
- N-13 DEVICE CABLEING IN 27mm CONDUIT. WIRING BY SECURITY CONTRACTOR CONDUIT BY ELECTRICAL CONTRACTOR.
- N-14 PHYSICAL INTRUSION DETECTION DEVICES. DEVICES SHOWN INDICATES GENERAL CONNECTIONITY REQUIREMENTS ONLY. REFER TO FLOOR PLANS FOR EXACT QUANTITY AND TYPES OF DEVICES (TYP).
- NOT USED.
- N-15 PROVIDE CONNECTION IN 27mm CONDUIT AND INTEGRATE THE INTRUSION DETECTION SYSTEM WITH THE ACCESS CONTROL SYSTEM. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS.

- N17 INTERCOM DEVICE. REFER TO FLOOR PLANS FOR EXACT QUANTITY AND TYPES OF DEVICES (TYP).
- N18 DISCRETE ALARMING. REFER TO FLOOR PLANS FOR EXACT QUANTITY OF DEVICES (TYP).
- N19 NOT USED.
- N20 NOT USED.
- N21 NOT USED.
- N22 TYPICAL SECURED DOOR DEVICES SHOWN INDICATES GENERAL CONNECTIVITY REQUIREMENTS ONLY. REFER TO FLOOR PLANS FOR EXACT QUANTITY AND TYPES OF DEVICES AT EACH DOOR. REFER TO DOOR ELEVATION DRAWINGS FOR DEVICE AND CONDUIT REQUIREMENTS AT SECURED DOORS. COORDINATE DOOR DEVICES WITH DOOR HARDWARE SCHEDULE AND DOOR HARDWARE CONTRACT (TYP).
- N23 TYPICAL RF READER DEVICES SHOWN INDICATES GENERAL CONNECTIVITY REQUIREMENTS ONLY. REFER TO FLOOR PLANS FOR EXACT QUANTITY AND TYPES OF DEVICES (TYP).
- N24 CONNECTED TO EXISTING ACCESS CONTROL SERVER.
- N25 SYSTEM MANUFACTURER RECOMMENDED WIRING IN 2"IMD CONDUIT. WIRING BY ELECTRICAL CONTRACTOR AND CONDUIT BY SECURITY CONTRACTOR.
- N26 TYPICAL ACCESS NODE DEVICES SHOWN INDICATES GENERAL CONNECTIVITY REQUIREMENTS ONLY. REFER TO FLOOR PLANS FOR EXACT QUANTITY AND TYPES OF DEVICES (TYP). BY SECURITY CONTRACTOR.
- N27 TYPICAL GATEWAY DEVICES SHOWN INDICATES GENERAL CONNECTIVITY REQUIREMENTS ONLY. REFER TO FLOOR PLANS FOR EXACT QUANTITY AND TYPES OF DEVICES (TYP). BY SECURITY CONTRACTOR.
- N28 TYPICAL WIRELESS LOCK DEVICES SHOWN INDICATES GENERAL CONNECTIVITY REQUIREMENTS ONLY. REFER TO FLOOR PLANS FOR EXACT QUANTITY AND TYPES OF DEVICES (TYP).
- N29 NOT USED.
- N30 TYPICAL ONLINE WIRELESS LOCK DEVICES SHOWN INDICATES GENERAL CONNECTIVITY REQUIREMENTS ONLY. REFER TO FLOOR PLANS FOR EXACT QUANTITY AND TYPES OF DEVICES (TYP).
- N31 NOT USED.

- (N2) NOT USED
 (N3) NOT USED.
 (N3A) TYPICAL SECURED DOOR WITH MULLOCK. DEVICES SHOW INDICATES GENERAL CONNECTIVITY REQUIREMENTS ONLY. REFER TO DRAWINGS FOR EXACT QUALITY AND TYPES OF DEVICES AT EACH DOOR. REFER TO DOOR ELEVATION DRAWINGS FOR TYPES.
 (N3B) TYPICAL WIRING IN CONDUIT TO FIRE ALARM SYSTEM BY ELECTRICAL CONTRACTOR.
 (N3C) TYPICAL FIRE ALARM PULL STATION BY ELECTRICAL CONTRACTOR.
 (N3D) 55mm CONDUIT BY ELECTRICAL CONTRACTOR.
 (N3E) CATEGORY 6 CONNECTION TO NETWORK BY SECURITY CONTRACTOR.
 (N3F) 120VAC POWER SUPPLY AT NEAREST SECURITY EQUIPMENT ROOM AND WIRING FOR AUDIBLE AND VISUAL ANNUNCIATORS AND NOTIFICATION DEVICES. PROVIDE 120VAC POWER SUPPLY AND WIRING TO EACH NOTIFICATION DEVICE. THE PANE BUTTON SHALL BE PROGRAMMED TO ANNUNCIATE LOCALLY ONLY AND NOT CONNECTED TO THE SECURITY SYSTEM. THE SECURITY CONTRACTOR SHALL PROVIDE THE NEAREST AVAILABLE 120VAC POWER SUPPLY. PROVIDE WIRING TO EACH NOTIFICATION DEVICES. PROVIDE WIRING FOR A FULLY FUNCTIONAL SYSTEM AS PER CLIENT REQUIREMENTS.
 (N4) NOT USED.
 (N4A) PARKING GARAGE AREA BY OTHERS (TYP).
 (N4B) ELEVATOR TRAVELLING CAMERA BY ELEVATOR CONTRACTOR (TYP).
 (N4C) VIDEO SURVEILLANCE CAMERA BY SECURITY CONTRACTOR. TO THE NEAREST POE NETWORK SWITCH (SWITCH BY OTHERS). VIA CAT6 CABLE BY COMMUNICATIONS CONTRACTOR. 25mm CONDUIT BY ELECTRICAL CONTRACTOR.
 (N4D) PROVIDE WIRING WITH COAXIAL CABLE TO EACH CAMERA AT PLANT MONITORS AND RECORDING HARDWARE.
 (N4E) PROVIDE ALL WIRING BETWEEN FLAT PANEL MONITORS AND ODS TO FACILITATE VIEWING OF:
 - INTERCOM SYSTEM VIDEO STREAMS; AND
 - ACCESS CONTROL, SYSTEM ALARMS, EVENTS, AND SYSTEM MANAGEMENT;
 - INTERCOM SYSTEM VIDEO STREAMS; AND
 - INTERCOM SYSTEM VIDEO STREAMS; AND
 - INTRUSION DETECTION ALARMS, EVENTS, AND SYSTEM MANAGEMENT;
 - DURESS ALARM SYSTEM ALARMS, EVENTS, AND SYSTEM MANAGEMENT.
 (N4F) SECURITY SYSTEMS CENTRAL MANAGEMENT COMPUTER COMPLETE WITH SECURITY SYSTEMS CLIENT SOFTWARE. PROVIDE SOFTWARE FOR COMMUNICATIONS CONTRACTOR TO FACILITATE MONITORING AND MANAGEMENT OF ALL VIDEO SYSTEMS DEVICES AND FUNCTIONS. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS.
 (N4G) COORDINATE WITH THE ELEVATOR CONTRACTOR AND PROVIDE CONNECTION TO ELEVATOR TRAVELLING CAMERA AND VIDEO

- GENERAL NOTES:**
1. PROVIDE ALL ITEMS SHOWN UNLESS OTHERWISE NOTED
 2. LOCATIONS OF DEVICES SHOWN ARE APPROXIMATE. COORDINATE THE EXACT LOCATION OF EACH DEVICE ON SITE WITH OTHER TRADES.
 3. QUANTITIES OF DEVICES SHOWN ARE FOR DIAGRAMMATIC PURPOSES AND TO INDICATE NTRA SYSTEM CONNECTIVITY AND INTERSYSTEM CONNECTIVITY.
 4. COORDINATE THE INSTALLATION AND INTERFACING WITH ALL ELECTRIFIED LOCKS AND DOOR CONTACTS WITH THE ELECTRICAL TRADE.
 5. COORDINATE THE INSTALLATION AND INTERFACING WITH ALL POWER CIRCUITS WITH THE ELECTRICAL CONTRACTOR.
 6. COORDINATE EXACT MOUNTING HEIGHTS AND LOCATIONS OF VIDEO SURVEILLANCE CAMERAS ON SITE WITH THE ELECTRICAL CONTRACTOR. THE CONTRACTOR SHALL ENSURE THAT ALL CAMERAS ARE PROTECTED FROM VANDALISM AND CLEAR VIEW OF TARGET AREAS IS OBTAINED FOR EACH PENDANT MOUNTING CAMERA. ENSURE THE LENGTH OF CABLES IS SUFFICIENT TO MAINTAIN BUILDING CODE CLEARANCE REQUIREMENTS WHILE ACHIEVING MAXIMUM HEIGHT AFF.
 7. ALL CABLES SHALL BE HOME RUN IN CONDUITS. CABLE SPACES SHALL NOT BE ACCEPTABLE. WHERE CABLES ARE GROUPED TOGETHER, THE CONTRACTOR SHALL CONDUCT THE CONDUIT SHALL BE USED TO MAINTAIN ALL CODES.
 8. REVIEW ALL PROJECT RELATED ARCHITECTURAL, MECHANICAL, ELECTRICAL, COMMUNICATIONS AND AV DRAWINGS AND SPECIFICATIONS, DISSEMINATE AND COORDINATE ALL OVERLAPPING WORK WITH SECURITY SYSTEMS TO AVOID COLLISIONS AND CONFLICTS OF DEVICES.
 9. DEVICES SHALL NOT BE INSTALLED IN WALL AREAS THAT ARE DESIGNATED TO HAVE MARKER BOARD, FABRIC PANELS OR ACCENT FINISHES/DETAILS UNLESS DISCUSSED SPECIFICALLY ON AN ELEVATED DRAWING.
 10. DEVICES SHALL NOT BE INSTALLED ABOVE ANY FURNITURE - AND SHALL BE LOCATED WHERE THERE IS ADEQUATE ACCESS FOR USES UNLESS OTHERWISE NOTED.
 11. INFORM THE ENGINEER'S REPRESENTATIVE AND GC OF ALL DEVICE AND FURNITURE CONFLICTS PRIOR TO INSTALLATION. OBTAIN RESOLUTION TO DISCREPANCY AND FURNITURE CONFLICTS FROM THE ENGINEER'S REPRESENTATIVE.

SEAL :



PROJECT :
HEALTH AND WELLNESS
CENTRE RENOVATION AT
KOFFLER

214 COLLEGE ST,
TORONTO, ON M5T 3A1

SHEET CONTENTS :

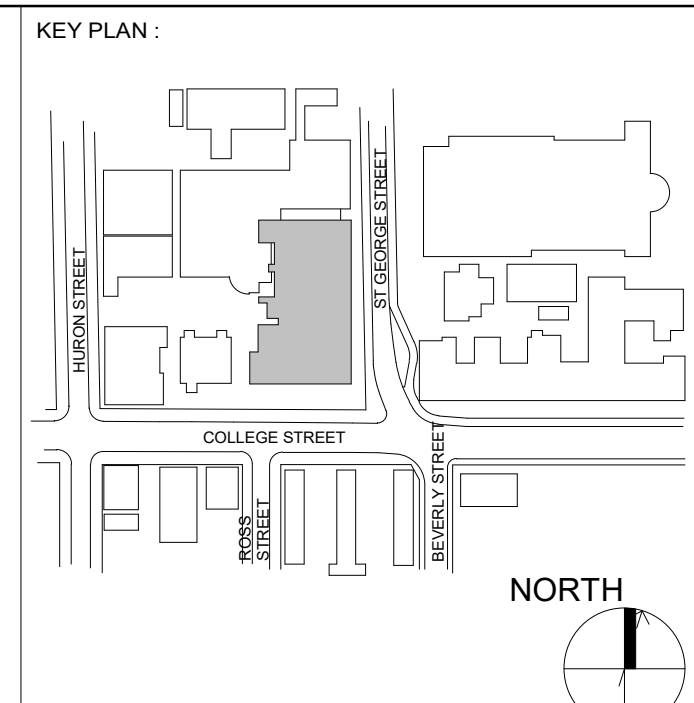
SECURITY RISER DIAGRAM

PROJECT NUMBER
21590.003
DRAWING SCALE :

DRAWN BY :
Author

SHEET NO :
E202

REV:
12



REVISION		
NO.	DATE	DESCRIPTION
1	2024-10-04	ISSUED FOR 50%
2	2024-11-15	PERMIT
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9	2025-03-21	BID ADDENDUM #03
11	2025-03-28	BID ADDENDUM #05
12	2025-04-30	ISSUED FOR CONSTRUCTION

SECURITY NOTES:

- ③ PANE BUTTONS SHALL BE CONNECTED TO THE NEAREST VIDEO SURVEILLANCE CAMERA. EXACT MOUNTING LOCATIONS OF THE PANE BUTTONS AND THE PANE INDICATORS SHALL BE DETERMINED WITH THE CLIENT AND ARCHITECT PRIOR TO INSTALLATION. SECURITY
- ④ PANE BUTTONS SHALL ENSURE THAT ALL VIDEO CAPTURED PANE PARTS ARE ADEQUATELY DIFFERENTIATED VIA MOUNTING ORIENTATION & LOCATION, MAKE/MODEL AND COLOR OR BUTTOM FROM THE OTHER VIDEO MOUNTED PANE PARTS. THE VIDEO CAPTURED SHALL NOT BE NEARBY BETWEEN THE FUNCTIONS. IN ADDITION, THE PANE SHALL BE EASILY LABELLED.
- ⑤ AUDIBLE ANNOUNCEMENTS SHALL BE PROGRAMMED TO TRIGGER WHEN DATA IS OPERED WITHOUT A VALID CREDENTIAL BEING PRESENTED AT THE CARD READER. AND WHEN CORD IS HELD OPEN COORDINATE WITH THE CARD READER'S SOUNDING PROGRESSION.
- ⑥ CAMERA HEADS SHALL BE POSITIONED TO CAPTURE DOORS 13A, 12A, 12B AND 12AB.
- ⑦ CAMERA HEADS SHALL BE POSITIONED TO CAPTURE WAITING AREA 10B INCLUDING DOOR 16B AND CORRIDOR 11B. ARROWS INDICATE APPROXIMATE DIRECTION OF FOCUS. COORDINATE CAMERA VIEWS WITH THE CLIENT.
- ⑧ DEVICES CONNECTED TO HOMEWELLY ACCESS CONTROL SYSTEM.
- ⑨ DEVICES CONNECTED TO SAAS ACCESS CONTROL SYSTEM.

ELECTRONIC SAFETY AND SECURITY GENERAL NOTES:

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE PROJECT RELATED HARDWARE SCHEDULE AS WELL AS THE PROJECT RELATED CONTRACTUAL, TECHNICAL AND PERMITTING DRAWINGS.
- ALL ITEMS SHOWN ARE BY THE SECURITY CONTRACTOR UNLESS OTHERWISE NOTED.
- LOCATIONS OF DEVICES SHOWN ARE APPROXIMATE. COORDINATE THE EXACT LOCATION OF EACH DEVICE ON SITE WITH OTHER TRADES.
- COORDINATE THE INSTALLATION AND INTERFACING WITH ALL ELECTRIFIED LOCKS AND ACCESS CONTROL SYSTEMS WITH THE HARDWARE CONTRACTOR.
- COORDINATE THE INSTALLATION AND INTERFACING WITH ALL POWER CIRCUITS WITH THE ELECTRICAL CONTRACTOR.
- COORDINATE EXACT MOUNTING HEIGHTS AND LOCATIONS OF CCTV CAMERAS ON SITE WITH ELECTRICAL CONTRACTOR. PROVIDE ALL MOUNTING BRACKETS TO BE USED. ALL CONFLICTS/INTERFERENCE ARE AVOIDED AND CLEAR VIEWING OF TARGET AREAS IS ATTAINED.
- ALL CABLES SHALL BE HOME RUN IN CONDUITS. CABLE SPLICES SHALL NOT BE ACCEPTABLE. WHERE CABLES ARE GROUPED AND INSTALLED IN A SINGLE CONDUIT, CONDUIT SHALL BE IDENTIFIED BY COLOR.
- REVIEW ALL PROJECT RELATED ARCHITECTURAL, MECHANICAL, ELECTRICAL COMMUNICATIONS AND AV DRAWINGS AND SPECIFICATIONS, DISCUSS AND RESOLVE ALL CONFLICTS PRIOR TO INSTALLATION WITH SECURITY SYSTEMS TO AVOID COLLISIONS AND CONFLICTS OF DEVICES.
- DEVICES SHALL NOT BE INSTALLED IN WALL AREAS THAT ARE DESIGNATED TO HAVE MARKER BOARD, FABRIC PANELS OR ACENT FINISHES/DETAL LINE AREAS. CONFLICTS OF DEVICES SHALL BE AVOIDED.
- DEVICES SHALL NOT BE INSTALLED ABOVE ANY FURNITURE, AND SHALL BE LOCATED WHERE THERE IS ADEQUATE ACCESS FOR USE UNLESS INDICATED SPECIALLY ON RELEVANT DRAWINGS.
- INFORM THE ENGINEER REPRESENTATIVE AND GC OF ALL DEVICES AND FURNITURE CONFLICTS PRIOR TO INSTALLATION. OBTAIN RECOMMENDATION TO DEVICE AND FURNITURE CONFLICTS FROM THE ENGINEER REPRESENTATIVE PRIOR TO RESOLUTION.

FIRE ALARM GENERAL NOTES:

1. NEW SMOKE DETECTOR SHALL BE CONNECTED TO THE EXISTING BASE BUILDING EXISTING RECALL SYSTEM AND SHALL BE TIED INTO THE FIRE ALARM CONTROL PANEL. UPON ACTIVATION OF A FIRE ALARM CONDITION ON THIS FLOOR THE FIRE ALARM CONTROL PANEL SHALL SEND A SIGNAL TO THE EXISTING RECALL SYSTEM FOR THE EXISTING AUTOMATIC RECALL SUCH THAT THE ELEVATOR RETURNS TO AN ALTERNATE FLOOR. PROVIDE ALL REQUIRED AUXILIARY KEYS AND RELAYS AT THE ELEVATOR MACHINE ROOM. THE ELEVATOR CONTRACTOR SHALL COORDINATE WITH THE SILENT AND LANDLORDS ELEVATOR VENDOR FOR ALL REQUIREMENTS AND LOGICAL OPERATION. PROVIDE ALL REQUIRED CONNECTIONS TO THE ELEVATOR VENDOR FOR THE ELEVATOR TO BE TIED TO THE SATISFACTION OF TSSA AND LOCAL AUTHORITIES HAVE JURISDICTION.
2. CONFIRM ELECTRICAL REQUIREMENTS AND EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS AND CONTRACTOR PRIOR TO INSTALL.
3. ROUTE ALL CONDUITS SYSTEMS AROUND DUCT WORK, BEAMS AND PIPING AS REQUIRED TO ACCOMMODATE UNITS SHOWN. REFER TO MECHANICAL DRAWINGS AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL DETAILS.
4. COORDINATE ALL WORK TO SUIT PROJECT PHASE SCHEDULE. COORDINATE WITH ALL ARCHITECTURAL AND MECHANICAL DESIGNING DRAWINGS. PHASING IS FOR REFERENCE PURPOSES ONLY.

DRAWING NOTES:

- (N-1) THE KITCHEN HOOD FIRE SUPPRESSION SYSTEM TO BASE BUILDING FIRE ALARM SYSTEM AS SEPARATE ZONE. ALLOW FOR UPDATING OF FIRE ALARM ZONE SCHEDULE.
- (N-2) REFER TO POWER AND SYSTEMS DRAWINGS FOR AUTOMATIC DOOR OPERATOR LOCATIONS. SECURITY CONTRACTOR SHALL COORDINATE SECURITY ACCESS CONTROL WITH ADO DOORS.



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SEAL :

UNIVERSITY OF
TORONTO

PROJECT :
HEALTH AND WELLNESS
CENTRE RENOVATION AT
KOFFLER

214 COLLEGE ST.
TORONTO, ON M5T 3A1

SHEET CONTENTS :
LEVEL 01 - FIRE ALARM & SECURITY PLAN

PROJECT NUMBER

21590.003

1 : 100

DRAWN BY :

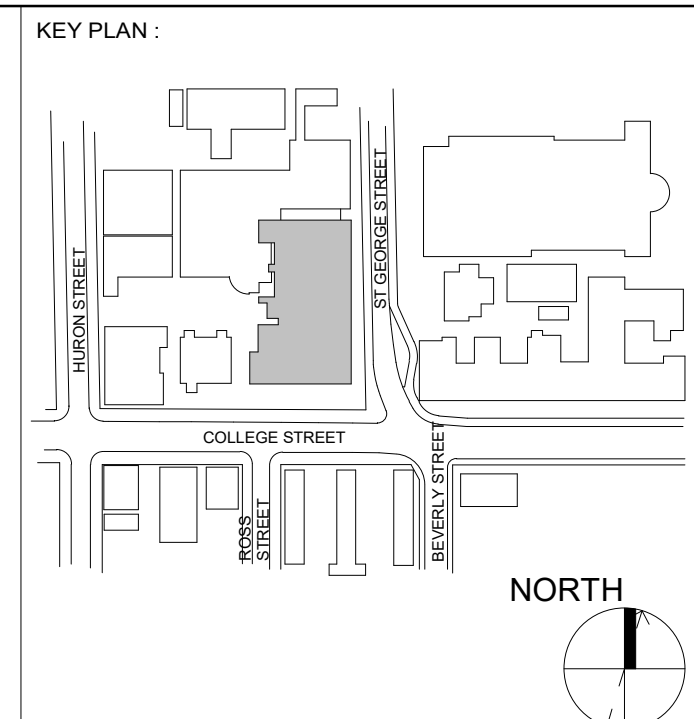
Author

SHEET NO :

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REVISION		
NO.	DATE	DESCRIPTION
1	2024-10-04	ISSUED FOR 50%
2	2024-11-15	PERMIT
3	2024-12-04	ISSUED FOR F&S REVIEW
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5	2025-01-24	ISSUED FOR P&R REVIEW
6	2025-01-31	ISSUED FOR BID
9	2025-03-21	BID ADDENDUM #03
11	2025-03-28	BID ADDENDUM #05
12	2025-04-30	ISSUED FOR CONSTRUCTION

SECURITY NOTES:

- (S-1) DEVICES CONNECTED TO HONEYWELL ACCESS CONTROL SYSTEM
- (S-2) DEVICES CONNECTED TO SALTO ACCESS CONTROL SYSTEM.

ELECTRONIC SAFETY AND SECURITY GENERAL NOTES:

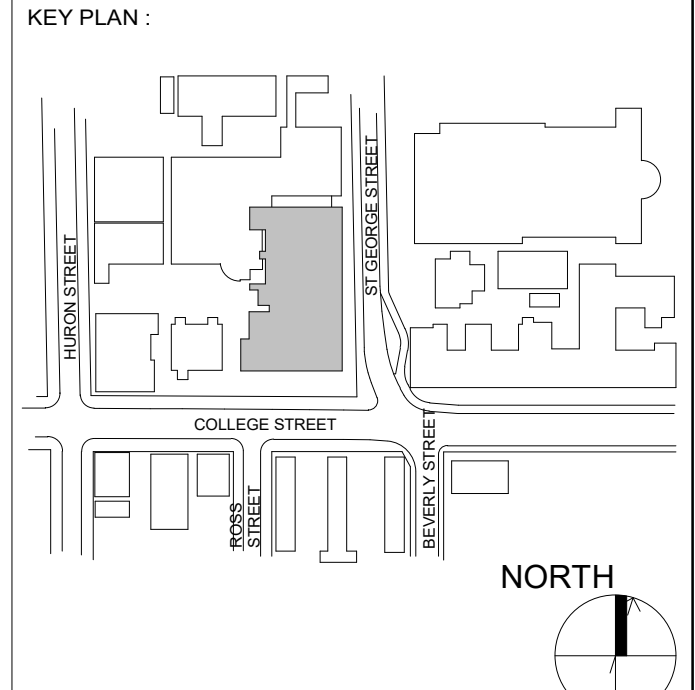
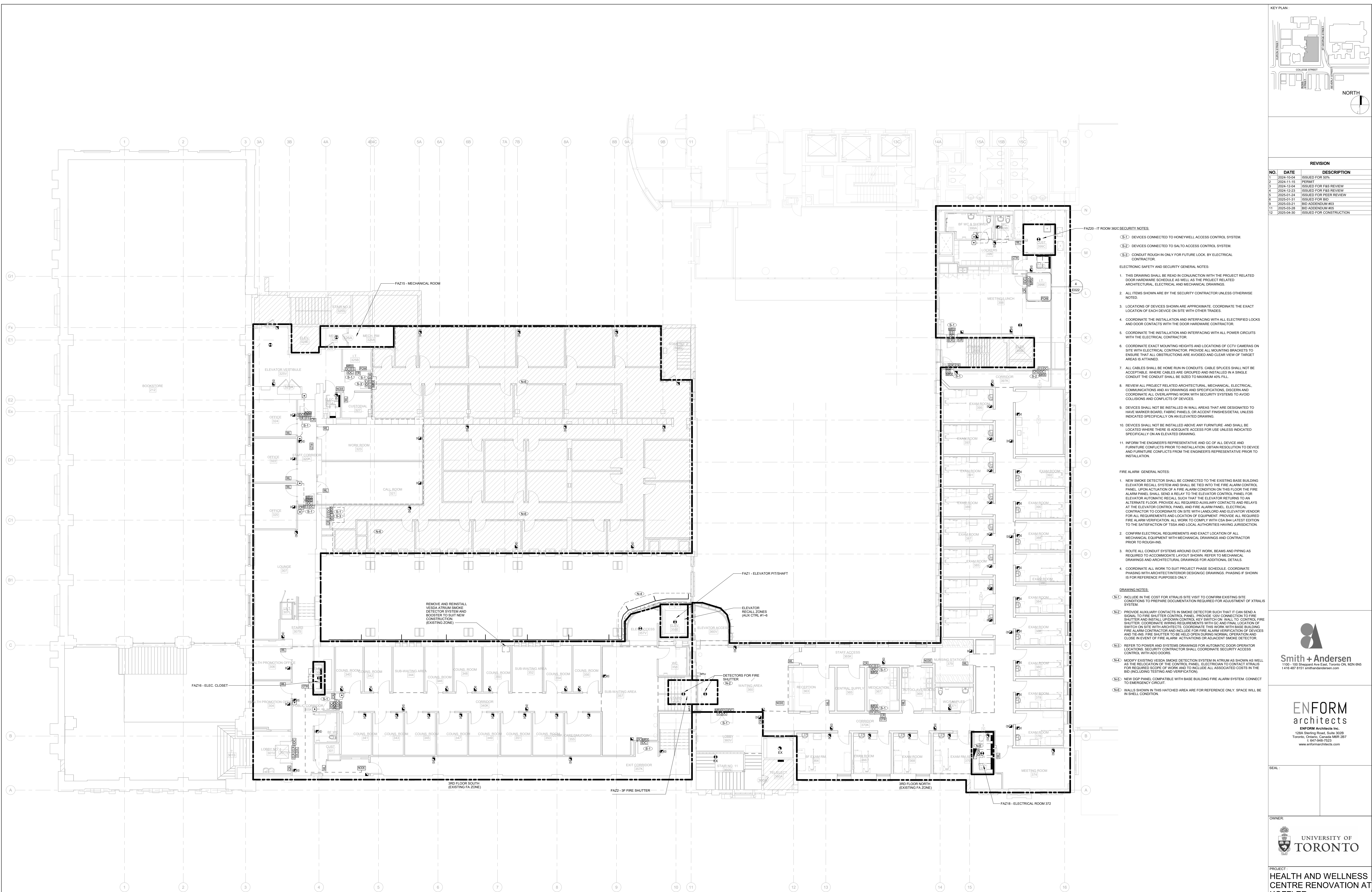
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE PROJECT RELATED REORDER DRAWING SCHEDULE AS WELL AS THE PROJECT RELATED ELECTRICAL, MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS.
- ALL ITEMS SHOWN ARE BY THE SECURITY CONTRACTOR UNLESS OTHERWISE NOTED.
- LOCATIONS OF DEVICES SHOWN ARE APPROXIMATE. COORDINATE THE EXACT LOCATION OF EACH DEVICE ON SITE WITH THEIR TRADES.
- COORDINATE THE INSTALLATION AND INTERFACING WITH ALL ELECTRIFIED LOCKS AND DOOR CLOSING DEVICES WITH THE ELECTRICAL CONTRACTOR.
- COORDINATE THE INSTALLATION AND INTERFACING WITH ALL POWER CIRCUITS WITH THE ELECTRICAL CONTRACTOR.
- COORDINATE EXACT MOUNTING HEIGHTS AND LOCATIONS OF CCTV CAMERAS ON SITE WITH ELECTRICAL CONTRACTOR. PROVIDE ALL MOUNTING BRACKETS TO BE INSTALLED. ALL OBSTRUCTIONS ARE AVOIDED AND CLEAR VIEWING OF TARGET AREAS IS ATTAINED.
- ALL CABLES SHALL BE HOME RUN IN CONDUITS. CABLE SPICES SHALL NOT BE ACCEPTABLE. WHERE CABLES ARE GROUPED AND INSTALLED IN A SINGLE CONDUIT, THE CONDUIT SHALL BE IDENTIFIED BY THE ELECTRICAL CONTRACTOR.
- REVIEW ALL PROJECT RELATED ARCHITECTURAL, MECHANICAL, ELECTRICAL, COMMUNICATIONS AND AV DRAWINGS AND SPECIFICATIONS, DESIGNS AND SCHEDULES. COORDINATE ALL INSTALLATIONS OF SECURITY SYSTEMS TO AVOID COLLISIONS AND CONFLICTS OF DEVICES.
- DEVICES SHALL NOT BE INSTALLED IN WALL AREAS THAT ARE DESIGNATED TO HAVE MAINER BOARD, FIBRE PANELS, OR ACCENT FINISHES/DETAILS. UNLESS OTHERWISE NOTED, ALL DEVICES SHALL BE MOUNTED ON WALLS.
- DEVICES SHALL NOT BE INSTALLED ABOVE ANY FURNITURE. SHALL BE LOCATED WHERE THERE IS ADEQUATE ACCESS FOR USE UNLESS INDICATED OTHERWISE ON RELEVANT DRAWINGS.
- INFORM THE ENGINEER'S REPRESENTATIVE AND GC/CL OF DEVICE AND FURNITURE CONFLICTS PRIOR TO INSTALLATION. OBTAIN RESOLUTION TO DEVICE AND FURNITURE CONFLICTS FROM THE ENGINEER'S REPRESENTATIVE PRIOR TO INSTALLATION.

FIRE ALARM GENERAL NOTES:

1. NEW SMOKE DETECTOR SHALL BE CONNECTED TO THE EXISTING BASE BUILDING ELVATOR DETECTOR SYSTEM AND SHALL BE TIED INTO THE FIRE ALARM CONTROL PANEL. UPON ACTIVATION OF A FIRE ALARM CONDITION ON THIS FLOOR THE FIRE ALARM SHALL BE ACTIVATED AND THE SMOKE DETECTOR SHALL BE ACTIVATED. THE ELVATOR AUTOMATIC RESCUE SHALL BE THE ELVATOR RETURNS TO AN ALTERNATE FLOOR. PROVIDE ALL REQUIRED AUXILIARY CONTACTS AND RELAYS AT THE ELVATOR MACHINE ROOM. PROVIDE ALL REQUIRED WIRING. THE ELECTRICAL CONTRACTOR TO COORDINATE ON SITE WITH LANDLORD AND ELVATOR VENDOR FOR ALL REQUIREMENTS AND LOCATION OF EQUIPMENT. PROVIDE ALL REQUIRED WIRING AND CONNECTION TO THE ELVATOR MACHINE ROOM. PROVIDE ALL REQUIRED WIRING TO THE SATISFACTION OF TSSA AND LOCAL AUTHORITIES Having JURISDICTION.
2. CONFIRM ELECTRICAL REQUIREMENTS AND EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS AND CONTRACTOR PRIOR TO ROUGHINS.
3. ROUTE ALL CONDUIT SYSTEMS AROUND DUCT WORK, BEAMS AND PIPING AS REFERRED TO ACCOMMODATE LAYOUT SHOWN. REFER TO MECHANICAL DRAWINGS AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL DETAILS.
4. COORDINATE ALL WORK TO SUIT PROJECT PHASE SCHEDULE. COORDINATE PHASING WITH ARCHITECT/INTERIOR DESIGNING DRAWINGS. PHASING PHASE PHASING FOR THE FOLLOWING PURPOSES:

DRAWING NOTES:

- (N-1) REFER TO POWER AND SYSTEMS DRAWINGS FOR AUTOMATIC DOOR OPERATOR LOCATIONS. SECURITY CONTRACTOR SHALL COORDINATE SECURITY ACCESS CONTROL WITH ADD DOORS.
- (N-2) RELOCATE EXISTING SUPERVISORY VALVE AND FLOW SWITCH FOR SPRINKLER ZONE CONTROL CABINET TO NEW LOCATION SHOWN. COORDINATE FINAL LOCATION WITH MECHANICAL.



REVISION	
NO.	DATE
1	2024-10-04
2	2024-11-15
3	2024-12-04
4	2024-12-23
5	2025-01-24
6	2025-01-31
7	2025-02-21
8	2025-03-28
9	2025-04-30
10	2025-05-06
11	2025-05-13
12	2025-05-20

- 8-1 DEVICES CONNECTED TO HONEYWELL ACCESS CONTROL SYSTEM.
- 8-2 DEVICES CONNECTED TO SALTO ACCESS CONTROL SYSTEM.
- 8-3 CONDUIT ROUGH IN ONLY FOR FUTURE LOOK. BY ELECTRICAL CONTRACTOR.
- ELECTRONIC SAFETY AND SECURITY GENERAL NOTES:
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE PROJECT RELATED DOOR HARDWARE SCHEDULE AS WELL AS THE PROJECT RELATED ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS.
 - ALL ITEMS SHOWN ARE BY THE SECURITY CONTRACTOR UNLESS OTHERWISE NOTED.
 - LOCATIONS OF DEVICES SHOWN ARE APPROXIMATE. COORDINATE THE EXACT LOCATION OF EACH DEVICE ON SITE WITH OTHER TRADES.
 - COORDINATE THE INSTALLATION AND INTERFACING WITH ALL ELECTRIFIED LOCKS AND DOOR CONTACTS WITH THE DOOR HARDWARE CONTRACTOR.
 - COORDINATE THE INSTALLATION AND INTERFACING WITH ALL POWER CIRCUITS WITH THE ELECTRICAL CONTRACTOR.
 - COORDINATE EXACT MOUNTING HEIGHTS AND LOCATIONS OF CCTV CAMERAS ON SITE WITH ELECTRICAL CONTRACTOR. PROVIDE ALL MOUNTING BRACKETS TO ENSURE THAT ALL OBSTRUCTIONS ARE AVOIDED AND CLEAR VIEW OF TARGET AREAS IS ATTAINED.
 - ALL CABLES SHALL BE HOME RUN IN CONDUITS. CABLE SPLICES SHALL NOT BE ACCEPTABLE. WHERE CABLES ARE GROUPED AND INSTALLED IN A SINGLE CONDUIT THE CONDUIT SHALL BE SIZED TO MAXIMUM 40% FILL.
 - REVIEW ALL PROJECT RELATED ARCHITECTURAL, MECHANICAL, ELECTRICAL, COMMUNICATIONS AND AV DRAWINGS AND SPECIFICATIONS. DESIGN AND COORDINATE ALL OVERLAPPING WORK WITH SECURITY SYSTEMS TO AVOID COLLISIONS AND CONFLICTS OF DEVICES.
 - DEVICES SHALL NOT BE INSTALLED IN WALL AREAS THAT ARE DESIGNATED TO HAVE MARKER BOARD, FABRIC PANELS, OR ACCENT FINISHES UNLESS INDICATED SPECIFICALLY ON AN ELEVATED DRAWING.
 - DEVICES SHALL NOT BE INSTALLED ABOVE ANY FURNITURE AND SHALL BE LOCATED WHERE THERE IS ADEQUATE ACCESS FOR USE UNLESS INDICATED SPECIFICALLY ON AN ELEVATED DRAWING.
 - INFORM THE ENGINEER'S REPRESENTATIVE AND QC OF ALL DEVICE AND FURNITURE CONFLICTS PRIOR TO INSTALLATION. OBTAIN RESOLUTION TO DEVICE AND FURNITURE CONFLICTS FROM THE ENGINEER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- FIRE ALARM GENERAL NOTES:
- NEW SMOKE DETECTOR SHALL BE CONNECTED TO THE EXISTING BASE BUILDING ELEVATOR RECALL SYSTEM AND SHALL BE TIED INTO THE FIRE ALARM CONTROL PANEL. UPON ACTUATION OF A FIRE ALARM CONDITION ON THIS FLOOR THE FIRE ALARM PANEL SHALL SEND A RELAY TO THE ELEVATOR CONTROL PANEL FOR ELEVATOR AUTOMATIC RECALL. SUCH THAT THE ELEVATOR RETURNS TO AN ALTERNATE FLOOR. PROVIDE ALL REQUIRED AUXILIARY CONTACTS AND RELAYS AT THE ELEVATOR CONTROL PANEL AND FIRE ALARM PANEL. ELECTRICAL CONTRACTOR TO COORDINATE ON SITE WITH LANDLORD AND ELEVATOR VENDOR FOR ALL REQUIREMENTS AND LOCATION OF EQUIPMENT. PROVIDE ALL REQUIRED FIRE ALARM VERIFICATION. ALL WORK TO COMPLY WITH CSA B44 LATEST EDITION TO THE SATISFACTION OF TSSA AND LOCAL AUTHORITIES HAVING JURISDICTION.
 - CONFIRM ELECTRICAL REQUIREMENTS AND EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS AND CONTRACTOR PRIOR TO ROUGH-INS.
 - ROUTE ALL CONDUIT SYSTEMS AROUND DUCT WORK, BEAMS AND PIPING AS REQUIRED TO ACCOMMODATE LAYOUT SHOWN. REFER TO MECHANICAL DRAWINGS AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL DETAILS.
 - COORDINATE ALL WORK TO SUIT PROJECT PHASE SCHEDULE. COORDINATE PHASING WITH ARCHITECT/INTERIOR DESIGN/OC DRAWINGS. PHASING IF SHOWN IS FOR REFERENCE PURPOSES ONLY.
- DRAWING NOTES:
- INCLUDE IN THE COST FOR XTALIS SITE VISIT TO CONFIRM EXISTING SITE CONDITIONS TO PREPARE DOCUMENTATION REQUIRED FOR ADJUSTMENT OF XTALIS SYSTEM.
 - PROVIDE AUXILIARY CONTACTS IN SMOKE DETECTOR SUCH THAT IT CAN SEND A SIGNAL TO FIRE SHUTTER CONTROL PANEL. PROVIDE 120V CONNECTION TO FIRE SHUTTER AND INSTALL UPDOWN CONTROL KEY SWITCH ON WALL TO CONTROL FIRE SHUTTER. COORDINATE WIRING REQUIREMENTS WITH OC AND FINAL LOCATION OF SWITCH ON SITE WITH ARCHITECTS. COORDINATE THIS WORK WITH BASE BUILDING FIRE ALARM CONTRACTOR AND INCLUDE FOR FIRE ALARM VERIFICATION OF DEVICES AND TIE-INS. FIRE SHUTTER TO BE HELD OPEN DURING NORMAL OPERATION AND CLOSE ON EVENT OF FIRE ALARM ACTIVATION OR ADJACENT SMOKE DETECTOR.
 - REFER TO POWER AND SYSTEMS DRAWINGS FOR AUTOMATIC DOOR OPERATOR LOCATIONS. SECURITY CONTRACTOR SHALL COORDINATE SECURITY ACCESS CONTROL WITH ADD DOORS.
 - MODIFY EXISTING VESDA SMOKE DETECTION SYSTEM IN ATRIUM AS SHOWN AS WELL AS THE RELOCATION OF THE CONTROL PANEL. ELECTRICAL TO CONTACT XTALIS FOR REQUIRED SCOPE OF WORK AND TO INCLUDE ALL ASSOCIATED COSTS IN THE BID INCLUDING TESTING AND VERIFICATION.
 - NEW DCP PANEL COMPATIBLE WITH BASE BUILDING FIRE ALARM SYSTEM. CONNECT TO EMERGENCY CIRCUIT.
 - WALLS SHOWN IN THIS HATCHED AREA ARE FOR REFERENCE ONLY. SPACE WILL BE IN SHELL CONDITION.

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SEAL :



PROJECT: HEALTH AND WELLNESS CENTRE RENOVATION AT KOFFLER

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SHEET CONTENTS:
LEVEL 03 - FIRE ALARM & SECURITY PLAN

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