

#	DATE	REVISION/ISSUANCE
0	01/28/22	ISSUED FOR TENDER

DATE ISSUED
 JAN. 28, 2022

SEALS

f-BLOK architecture inc.

PROJECT NAME
**WEATHER PROTECTED WALKWAY
 SYSTEM, ACCESSIBILITY UPGRADES
 GRAHAM AVE, WINNIPEG, MB**

PROJECT #
21-3413-006

SHEET TITLE
**ELECTRICAL
 SYMBOL LEGEND,
 DRAWING LIST, AND
 GENERAL NOTES**

SHEET NUMBER

E1.0

- ### GENERAL NOTES
- DEVICE SYMBOLS SHOWN ON THE DRAWINGS AS A "GREY" LINE WEIGHT DENOTES THAT THEY ARE EXISTING.
 - WHERE THE MECHANICAL DESIGN UTILIZES A PLENUM RETURN AIR CEILING DESIGN, ALL EQUIPMENT AND MATERIALS INSTALLED WITHIN THE PLENUM RETURN CEILING MUST MEET THE FLAME SPREAD AND SMOKE DEVELOPED RATINGS OF 25/50 AND BE APPROVED FOR USE IN PLENUM RETURN CEILING. COORDINATE PLENUM CEILING LOCATIONS WITH THE MECHANICAL SUB-CONTRACTOR. LUMINAIRES THAT ARE MANUFACTURED WITH A METAL HOUSING MEET THIS REQUIREMENT AND ARE NOT REQUIRED TO BE PLENUM RATED UNLESS INDICATED OTHERWISE.
 - COORDINATE THE CONNECTIONS OF ALL EQUIPMENT PROVIDED BY OTHERS WITH THE GENERAL CONTRACTOR PROVIDING THE EQUIPMENT PRIOR TO ROUGH-IN. THIS INCLUDES, BUT IS NOT LIMITED TO MECHANICAL EQUIPMENT, ETC. THE ELECTRICAL SUB-CONTRACTOR IS RESPONSIBLE TO PROVIDE THE APPROPRIATE DISCONNECTING MEANS FOR, AND TO MAKE THE FINAL CONNECTION TO, ANY HARDWIRED EQUIPMENT. THE ELECTRICAL SUB-CONTRACTOR IS ALSO RESPONSIBLE TO PROVIDE AN APPROPRIATE CORD AND PLUG FOR ANY CORD-AND-PLUG CONNECTED EQUIPMENT THAT IS NOT EQUIPPED WITH AN INTEGRAL CORD AND PLUG.
 - THE ELECTRICAL SUB-CONTRACTOR IS RESPONSIBLE FOR PRESERVING THE FIRE RATING OF ANY FIRE-RATED CEILING ASSEMBLIES BY PROVIDING THE APPROPRIATE FIRE-RATED LUMINAIRE TENTS AS MANUFACTURED BY TENMAT OR NELSON FIRESTOP OR BY BUILDING FIRE-RATED ENCLOSURES AROUND EACH LUMINAIRE THAT IS RECESSED INTO THE FIRE-RATED ASSEMBLY. COORDINATE FIRE-RATED CEILING ASSEMBLY LOCATIONS WITH THE ARCHITECTURAL DRAWINGS.
 - ALL EQUIPMENT, DEVICES, AND LUMINAIRES SHALL BE SUITABLE FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED. EQUIPMENT MOUNTED OUTDOORS SHALL BE NEMA 3R. DEVICES MOUNTED IN DAMP OR WET LOCATIONS SHALL BE WEATHERPROOF. RECEPTACLES RATED 15- OR 20- AMPS AND 120 VOLTS WHICH ARE LOCATED IN DAMP OR WET LOCATIONS SHALL BE GFCI PROTECTED AND EQUIPPED WITH A SUITABLE WEATHERPROOF COVERPLATE (WHILE-IN-USE IN WET LOCATIONS).
 - CONDUCTORS #12 AWG AND SMALLER SHALL BE SOLID. CONDUCTORS #10 AWG AND LARGER ARE PERMITTED TO BE STRANDED.

- ### GENERAL FIRE STOPPING NOTES
- ALL ELECTRICAL WIRES, CABLES, NON-COMBUSTIBLE RACEWAYS, OUTLET BOXES AND OTHER SIMILAR SERVICES THAT PENETRATE FIRE WALLS, FIRE SEPARATIONS OR ASSEMBLIES AND THAT ARE REQUIRED TO HAVE A FIRE RESISTANCE RATING OR FIRE SEPARATION, SHALL BE SEALED BY FIRE STOP SYSTEM WHICH HAS AN "F" AND/OR "FT" RATING NOT LESS THAN THE REQUIRED FIRE PROTECTION RATING OF FIRE SEPARATION.
 - GENERAL CONTRACTOR SHALL ONLY USE LISTED MATERIALS AND METHODS.
 - SERVICE PENETRATION AND FIRE STOPPING OF SERVICE PENETRATION IN FIRE SEPARATION AND FIRE RATED ASSEMBLIES SHALL COMPLY WITH THE CURRENT BUILDING CODE.
 - PROVIDE FOR FIRE STOPS IN CONCEALED SPACES AS REQUIRED BY THE CURRENT BUILDING CODE.
 - ALL FIRE RESISTANCE RATED ASSEMBLIES (I.E. WALLS, CEILINGS, ETC.) WHICH CONTAIN PANEL BOARDS, BACK BOXES, RECESSED LIGHTING FIXTURES, ETC. SHALL BE CW FIRE RATED BACKING TO MAINTAIN THE INTEGRITY OF THE FIRE RESISTANCE.

- ### GENERAL DEMOLITION NOTES
- PRIOR TO COMMENCEMENT OF ANY WORK, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS TO COMPLETE THE DEMOLITION SCOPE OF WORK.
 - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SAFE THE AREA OF DEMOLITION AND FOR ENSURING THAT SAFETY PROCEDURES, PRACTICES AND OPERATIONS ARE FOLLOWED. ALL DEMOLITION AND MATERIAL SHALL BE SAFELY REMOVED TO ALLOW FUTURE CONSTRUCTION AND ALL DEBRIS DISPOSED OF ON A DAILY BASIS.
 - GENERAL CONTRACTOR SHALL PROVIDE SAFETY AND DUST PROOF BARRIERS TO PROTECT ALL PUBLICLY OCCUPIED AREAS DURING THE DEMOLITION AND CONSTRUCTION PERIOD. ALL AREAS, FURNITURE, EQUIPMENT ETC. THAT ARE ADJACENT OR NOT A PART OF THE DEMOLITION AREA SHALL BE PROTECTED FROM DAMAGE.
 - ALL MATERIALS REMOVED DUE TO THE DEMOLITION OF EXISTING AREAS ARE OF THE OWNER'S PROPERTY IN WHICH THE CITY OF WINNIPEG HAS THE FIRST RIGHT TO CLAIM. ALL ITEMS THAT ARE NOT CLAIMED BY THE CITY OF WINNIPEG SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO REMOVE AND DISCARD FROM SITE.
 - NON-DEMOLITION ITEMS MAY BE SHOWN ON THE DRAWINGS TO DESCRIBE THE INTENT OF THE OVERALL SCOPE OF WORK AND TO AID THE GENERAL CONTRACTOR WITH THEIR COORDINATION. GENERAL CONTRACTOR SHALL FIELD VERIFY ALL DEVICE LOCATIONS.
 - WHERE CONDUITS ARE TO BE REMOVED WITHIN THE SCOPE OF WORK, ALL CONDUITS AND ASSOCIATED WIRING (I.E. FEEDER CIRCUIT WIRING) SHALL BE REMOVED BACK TO THEIR SOURCE AND NOT JUST TO THE NEAREST JUNCTION BOX.
 - ALL OBSOLETE/ABANDONED CABLING AND CONDUIT WITHIN CEILING SPACES THAT ARE AFFECTED BY THE AREA OF DEMOLITION SHALL BE COMPLETELY REMOVED.
 - WHERE ELECTRICAL EQUIPMENT HAS BEEN REMOVED, ALL WALLS/CEILINGS SHALL BE REPAIRED TO EXISTING CONDITIONS. SURFACES SHALL BE PATCHED AND PAINTED TO MATCH EXISTING.

POWER

	ELECTRICAL PANELBOARD - SURFACE MOUNTED
	EQUIPMENT LOAD
	LOCAL DISCONNECT SWITCH

SECURITY AND CONTROL

	POWERED AUTOMATIC DOOR OPERATOR
	AUTOMATIC DOOR OPERATOR PUSHBUTTON
	CARD ACCESS READER

FIRE ALARM

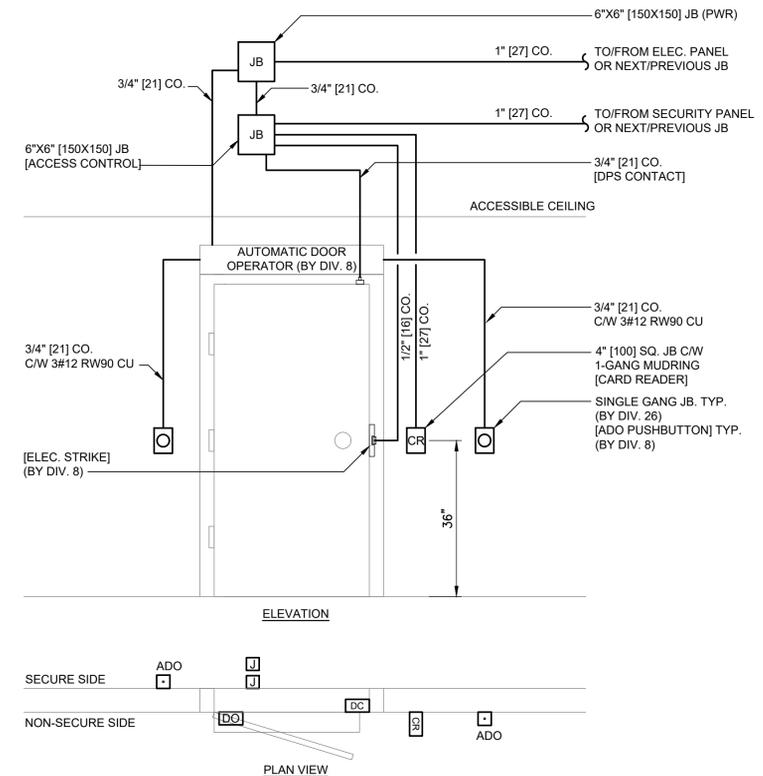
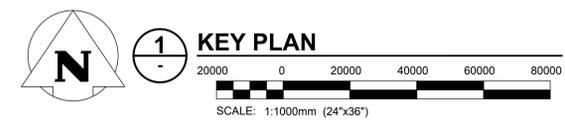
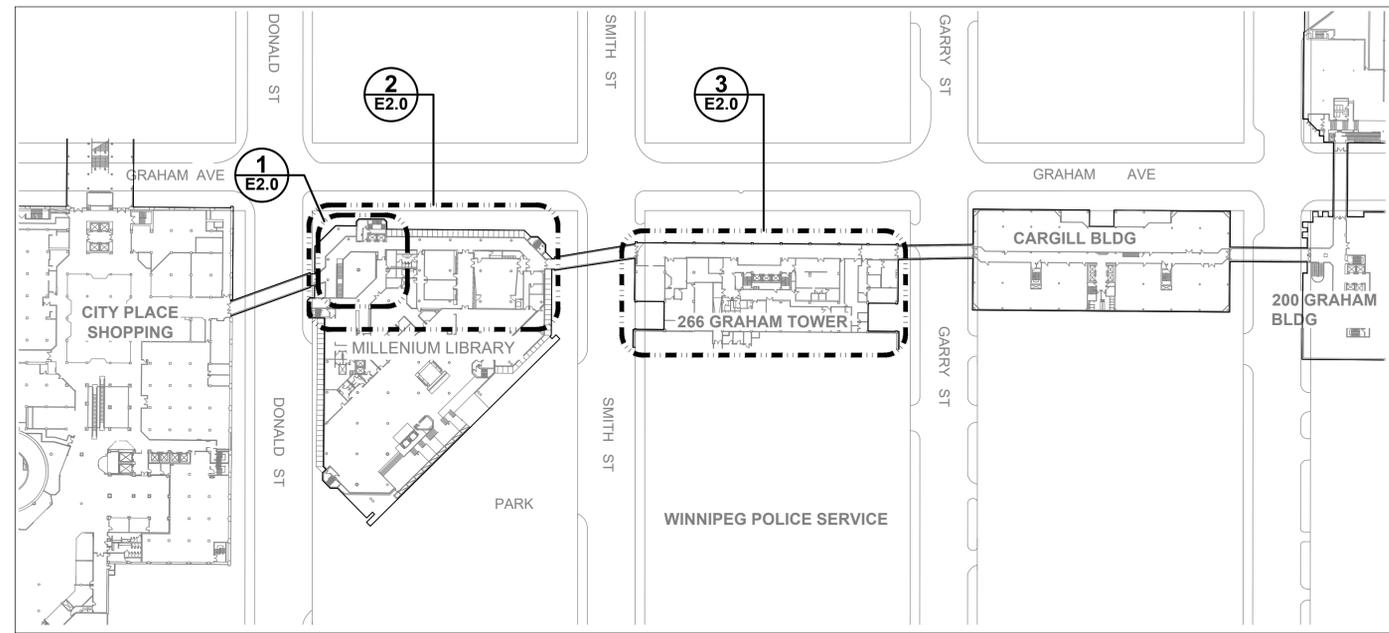
	SMOKE DETECTOR
	FIRE ALARM CONTROL PANEL
	FIRE DOOR MAGNETIC DOOR HOLD OPEN

GENERAL

	DETAIL / SECTION REFERENCE
	DRAWING REFERENCE

ABBREVIATION / SYMBOL MODIFIER LIST

ITEM	DESCRIPTION
ADO	AUTOMATIC DOOR OPERATOR
AFF	ABOVE FINISHED FLOOR
CM	CEILING MOUNTED



1 AUTOMATIC DOOR OPERATOR W/ CARD ACCESS DETAIL

SCALE: N.T.S.

- NOTES:
- ALL ELECTRICAL ROUGH-INS SHALL BE PROVIDED BY THE ELECTRICAL SUB-CONTRACTOR. ELECTRICAL SUB-CONTRACTOR TO COMPLETE ALL ASSOCIATED CONNECTIONS AND PROGRAMMING.
 - ALL ELECTRIFIED DOOR HARDWARE SUCH AS STRIKES, LOCKS, LATCHES, POWER TRANSFERS, DOOR POSITION SWITCHES (DPS), AUTOMATIC DOOR OPERATOR (ADO) AND ADO PUSHBUTTONS SHALL BE PROVIDED BY THE DOOR HARDWARE SUPPLIER.
 - THIS DETAIL SHOWS THE TYPICAL ROUGH-IN REQUIREMENT FOR ACCESS CONTROL AND ADO DEVICES. NOT ALL ELECTRIFIED DOOR HARDWARE DEVICES MAY BE APPLICABLE AT ALL LOCATIONS. REFER TO DRAWING E2.0 FOR DOOR LOCATIONS AND APPLICABLE DEVICES.
 - DOOR CONTACT TO BE ROUGH-IN ONLY FOR FUTURE DEVICE AND MONITORING OF DOOR ACTIVITY.

DRAWING LIST

DWG. No.	DESCRIPTION
E1.0	ELECTRICAL SYMBOL LEGEND, DRAWING LIST AND GENERAL NOTES
E2.0	ELECTRICAL FLOOR PLANS

DRAWING QUANTITY = 2