

PROPOSED CHANGE NO. 15

To: Golden Gate Contracting
16-2345 Wyecroft Rd.
Oakville, ON
L6L 6L8
P: 905-844-1122
F: 905-844-0051

Date: July 12, 2023
File: 8.1C-01.4.03
Project No.: 2005
Project: Burlington Central HS Renovation
Trade Contract: General Contractor

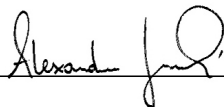
Pursuant to paragraph 6.2.1 of GC 6.2 - CHANGE ORDER in CCDC 2 - 2008, indicate within 7 days of the above date the changes to the *Contract Price* and *Contract Time* for the following proposed change in the *Work*. Do **not** proceed with the change without a *Change Order* or *Change Directive* authorizing a change in the *Work*.

Description: *Barrier free accessibility related upgrades - hardware only portion including power*

1. Provide door operators and door hold open devices as per attached scope of work forming part of the summer work contract. Enclosed; key plans & and door schedule drawing indicating additional door operator at the exit door leading to the new play area (issued as PC#14-R1).
2. Refer to enclosed Electrical CCO 8 covering the electrical portion of corresponding scope of work.

Prepared by the Consultant

Alex Jacobi



July 12, 2023



CONTEMPLATED CHANGE ORDER (CCO) No. 08

PROJECT: Burlington Central Renovations
1433 Baldwin St, Burlington, Ontario

DATE: 04 July 2023

PROJECT #: 20009

FROM: Pavle Ijadic / Srivathsa Vishnumoorthi

TO: Snyder Architects Inc.

ATTENTION: Avinash Garde

Reason: Design continuance

1. Electrical

1.1 Refer to Electrical Drawing E102 Rev. 3

- Revised power and systems legends.
- Added security systems legends.
- Revised fire alarm and carbon monoxide systems.
- Revised control device legends.

1.2 Refer to Electrical Drawing E201 Rev. 3

- Revised panel schedules: W1, W2 and W4.

1.3 Refer to Electrical Drawing E401 Rev. 3

- Added drawing keynotes 6.
- Added key switch for door operator on girls BF washroom 100A and boys BF washroom 100B.

1.4 Refer to Electrical Drawing E404 Rev. 2

- Added Electrical Drawing E404.

1.5 Refer to Electrical Drawing E405 Rev. 2

- Added Electrical Drawing E405.

END OF CONTEMPLATED CHANGE ORDER (CCO) No. 08

ELECTRICAL SPECIFICATIONS

L. FIRE ALARM SYSTEM RENOVATIONS

1. THE ELECTRICAL CONTRACTOR SHALL HIRE A FIRE ALARM SYSTEM COMPANY TO TEST AND VERIFY ANY NEW OR RELOCATED FIRE ALARM DEVICES AND PROVIDE WRITTEN VERIFICATION REPORT INDICATING THE DEVICES HAVE BEEN TESTED AND VERIFIED TO THE LATEST APPLICABLE CODES AND STANDARDS.
2. THE ELECTRICAL CONTRACTOR SHALL CARRY ALL COSTS ASSOCIATED WITH TESTING AND VERIFICATION AS REQUIRED BY THE FIRE ALARM WORK INDICATED ON THE ELECTRICAL DRAWINGS.
3. THE FIRE ALARM SYSTEM SHALL BE INSTALLED IN CONFORMANCE WITH THE LATEST EDITION OF CAN/ULC-S524, "INSTALLATION OF FIRE ALARM SYSTEMS".
4. THE FIRE ALARM SYSTEM SHALL BE VERIFIED IN CONFORMANCE WITH THE LATEST EDITION OF CAN/ULC-S537, "VERIFICATION OF FIRE ALARM SYSTEM" TO ENSURE SATISFACTORY PERFORMANCE.
5. ALL STROBE CANDELAS TO BE 15cd UNLESS OTHERWISE STATED.

M. INTEGRATED TESTING

- a. ALL LIFE SAFETY SYSTEMS INTEGRATED WITH THE FIRE ALARM SYSTEM MUST BE VERIFIED AND DOCUMENTED IN ACCORDANCE WITH OBC 3.2.10.1 AND THE LATEST EDITION OF CAN/ULC-S1001, "STANDARD FOR INTEGRATED SYSTEMS TESTING OF FIRE PROTECTION AND LIFE SAFETY SYSTEMS". THE FOLLOWING IS TO BE PREPARED AND SUBMITTED BY THE ELECTRICAL CONTRACTOR AND SIGNED BY A P.ENG TO THE CONSULTANT FOR REVIEW AT THE START OF THE PROJECT
 - a.o. INTEGRATED TESTING PLAN - A WRITTEN SPECIFIC DOCUMENT, PREPARED BY THE INTEGRATED TESTING COORDINATOR, OUTLINING THE REQUIRED TESTS AND NECESSARY FUNCTIONAL RESULTS TO CONDUCT INTEGRATED FIRE PROTECTION AND LIFE SAFETY SYSTEMS TESTING
 - a.b. INTEGRATED TESTING REPORT - A WRITTEN PROJECT SPECIFIC DOCUMENT, PREPARED BY THE INTEGRATED TESTING COORDINATOR, DOCUMENTING THE IMPLEMENTATION OF THE INTEGRATED TESTING PLAN.
 - a.c. THE FOLLOWING SYSTEMS (WHERE APPLICABLE) ARE TO BE INTEGRATED INTO THE TESTING PLAN AND TESTING REPORT.
 - a.c.a. FIRE ALARM SYSTEM (INCLUDING SEQUENCE OF OPERATION)
 - a.c.b. POWER DOOR OPERATORS
 - a.c.c. DOOR HOLD-OPEN DEVICES

GENERAL LIGHTING	
SYMBOL	DESCRIPTION
	1'X4' (305mmX1220mm) LIGHT FIXTURE. 'X' DENOTES TYPE

GENERAL NOTE: 1. REFER TO GENERAL LIGHTING SCHEDULE FOR DETAILED SPECIFICATIONS.

POWER AND SYSTEMS	
SYMBOL	DESCRIPTION
	120VAC, 15 AMP DUPLEX RECEPTACLE
	120VAC, 15 AMP DUPLEX GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE
	SURFACE MOUNTED ELECTRICAL PANEL BOARD
	RECESSED ELECTRICAL PANEL BOARD
	MANUAL MOTOR STARTER c/w OVERLOAD. 'X' DENOTES TYPE.
	ELECTRIC WALL MOUNTED HEATER. 'X' DENOTES TYPE
	ELECTRIC CEILING MOUNTED HEATER. 'X' DENOTES TYPE
	DOOR HOLD OPEN DEVICE (WALL MOUNTED)
	DOOR HOLD OPEN DEVICE (PART OF DOOR HARDWARE)
	WALL MOUNTED PROGRAM BELL
	HAND DRYER. 'X' DENOTES TYPE
	JUNCTION BOX
	LOW VOLTAGE BOX MOUNT TRANSFORMER
	TELEPHONE OUTLET. 'X' DENOTES NUMBER OF TELEPHONE CABLE(S)
	WIRELESS ACCESS POINT
	CEILING MOUNTED PUBLIC ADDRESS SPEAKER
	WALL MOUNTED PUBLIC ADDRESS SPEAKER

GENERAL NOTE: 1. REFER TO POWER AND SYSTEMS SCHEDULE FOR DETAILED SPECIFICATION.

SECURITY SYSTEMS	
SYMBOL	DESCRIPTION
	DOOR OPERATOR KEY SWITCH

GENERAL NOTE: 1. REFER TO SECURITY SYSTEMS SCHEDULE FOR DETAILED SPECIFICATION.

FIRE ALARM AND CARBON MONOXIDE SYSTEMS	
SYMBOL	DESCRIPTION
	FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR. 'I' DENOTES INTELLIGENT RELAY BASE WITH DRY CONTACTS. 'C' DENOTES FIRE ALARM ADVANCED COMBINATION FIRE DETECTOR WITH SMOKE, CO, LIGHT/FLAME AND HEAT AND LOCAL SOUNDER BASE
	FIRE ALARM FIXED HEAT DETECTOR, 57°C (135°F). 'R' DENOTES RATE OF RISE HEAT DETECTOR. 'H' DENOTES HIGH TEMPERATURE HEAT DETECTOR, 88°C (190°F). 'I' DENOTES INTELLIGENT RELAY BASE WITH DRY CONTACTS. 'V' DENOTES CONVENTIONAL HEAT DETECTOR WIRED VIA ADDRESSABLE MODULE
	FIRE ALARM PHOTOELECTRIC DUCT SMOKE DETECTOR
	FIRE ALARM PULL STATION. '*' DENOTES c/w WEATHERPROOF COVER. 'D' DENOTES c/w TWO (2) FORM 'C' CONTACTS.
	WALL MOUNTED FIRE ALARM BELL. '*' DENOTES c/w WEATHERPROOF COVER.
	WALL MOUNTED FIRE ALARM HORN. '*' DENOTES c/w WEATHERPROOF COVER.
	ADDRESSABLE MONITORING DEVICE

GENERAL NOTE: 1. REFER TO "NEW FIRE ALARM SYSTEM" OR "FIRE ALARM SYSTEM RENOVATIONS" IN ELECTRICAL SPECIFICATION FOR MORE DETAILS.

BARRIER FREE EMERGENCY CALL SYSTEM	
SYMBOL	DESCRIPTION
	EMERGENCY CALL PUSH BUTTON
	LOCAL LED ANNUNCIATOR AND SIREN COMBO
	LOCAL DOME LIGHT AND SIREN STROBE COMBO

GENERAL NOTE: 1. REFER TO "UNIVERSAL POWER DOOR OPERATOR/EMERGENCY CALL SYSTEM" IN ELECTRICAL SPECIFICATION FOR MORE DETAILS.

CONTROL DEVICE	
SYMBOL	DESCRIPTION
	120V OR 347V SINGLE GANG, SINGLE POLE SWITCH, UNLESS NOTED WITH CONTROL DEVICE TYPE DESIGNATION LETTER. 'X' DENOTES CONTROL DEVICE TYPE
	120V OR 347V DOUBLE GANG, TWO SINGLE SWITCHES, UNLESS NOTED WITH CONTROL DEVICE TYPE DESIGNATION LETTER. 'X' DENOTES CONTROL DEVICE TYPE
	120V OR 347V THREE GANG, THREE SINGLE POLE SWITCHES, UNLESS NOTED WITH CONTROL DEVICE TYPE DESIGNATION LETTER. 'X' DENOTES CONTROL DEVICE TYPE
	POWER DOOR OPERATOR PUSH TO OPEN BUTTON
	POWER DOOR OPERATOR PUSH TO LOCK BUTTON

GENERAL NOTE: 1. REFER TO CONTROL DEVICE SCHEDULE FOR DETAILED SPECIFICATION.

ABBREVIATIONS	
CH	DENOTES COUNTER HEIGHT
ED	DENOTES EXISTING DEVICE TO BE DEMOLISHED INCLUDING WIRING/CONDUIT(S) STRIPPED BACK TO SOURCE
ER	DENOTES EXISTING DEVICE TO BE RELOCATED
EX	DENOTES EXISTING DEVICE TO REMAIN
GFCI	DENOTES GROUND FAULT CIRCUIT INTERRUPTER
REL	DENOTES EXISTING DEVICE AT RELOCATED LOCATION
WG	DENOTES WIRE GUARD SUITABLE FOR DEVICE SHOWN

LINE TYPES	
LINE TYPE	DESCRIPTION
-----	DENOTES LINE VOLTAGE WIRE
- - - - -	DENOTES 0-10V DIMMING WIRE
-----	DENOTES LOW VOLTAGE WIRE
-----	DENOTES LINE VOLTAGE AND 0-10V DIMMING WIRE
-----	DENOTES DEVICE TO BE DEMOLISHED OR RELOCATED
-----	DENOTES NEW OR RELOCATED DEVICE
-----	DENOTES EXISTING DEVICE TO REMAIN

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 Burlington, Ontario

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CONSTRUCTION NORTH

PROFESSIONAL STAMP

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3.	ISSUED FOR CCO NO 8	23.07.04
2.	ISSUED FOR PERMIT/ CCO NO 7	23.06.07
1.	ISSUED FOR PROGRESS	23.04.28

REVISION SCHEDULE

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PROJECT
**BURLINGTON CENTRAL
 H.S. RENOVATIONS**
 1433 Baldwin Street Burlington, ON

DRAWN YC	PROJECT NO 2005
CHECKED PI	ENG PROJECT NO. 23008
SCALE NTS	

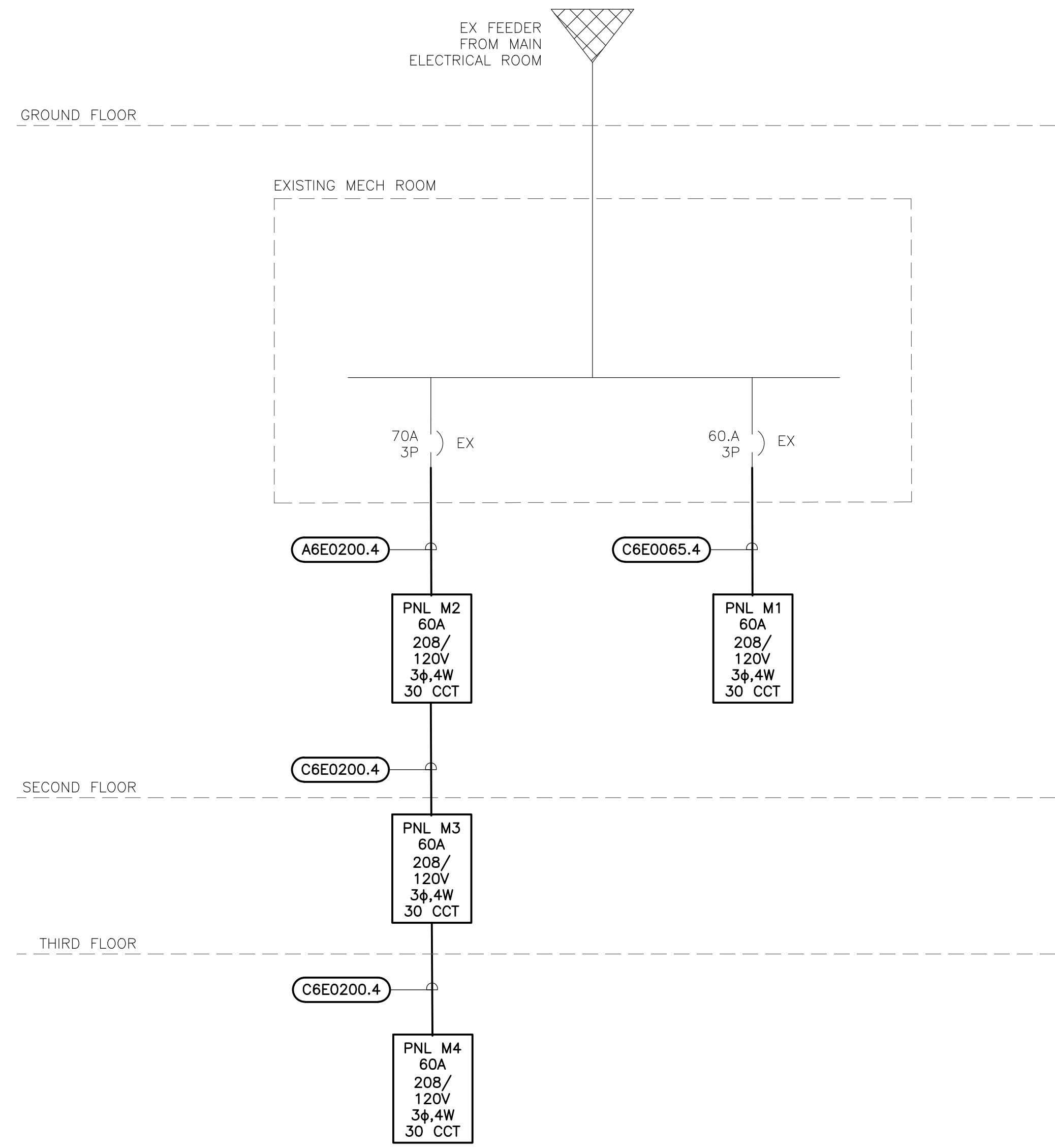
DRAWING
 SPECIFICATIONS AND LEGENDS

PANEL ID: W1		MOUNTING: SURFACE		PANEL MAINS: 60 A									
VOLTAGE: 120/208V		LOCATION: X		MAIN BREAKER: 60 A									
PHASE/WIRE: 3PH/4W		FED FROM: X		KAIC RATING: 10 KAIC									
DESCRIPTION	BRK SIZE	BRK TYPE	WIRE SIZE	LOAD	CCT	BUS	CCT	LOAD	WIRE SIZE	BRK TYPE	BRK SIZE	DESCRIPTION	
WASHROOM 103 HAND DRYER	15A-1P		2#12	1000	1	A	2	500	2#12		15A-1P	W/R 100 POWER DOOR OPERATOR	
WASHROOM 103 CH-2	15A-1P		2#12	450	3	B	4	1000	2#12		15A-1P	UNIV W/R 100 HAND DRYER	
WASHROOM 103 RECPT.	15A-1P		2#12	300	5	C	6	300	2#12		15A-1P	UNIV W/R 100 RECPT.	
WASHROOM 102 CH-1	15A-1P		2#12	450	7	A	8	1000	2#12		15A-1P	STUFF W/R 101 HAND DRYER	
WASHROOM 102 HAND DRYER	15A-1P		2#12	1000	9	B	10	300	2#12		15A-1P	UNIV W/R 100 RECPT.	
WASHROOM 102 RECPT.	15A-1P		2#12	300	11	C	12	50	2#12		15A-1P	W/R 101 TOUCHLESS FAUCETS	
W/R 102 GFCI RECPT	15A-1P		2#12	100	13	A	14	50	2#12		15A-1P	W/R 100 TOUCHLESS FAUCETS	
W/R 103 GFCI RECPT	15A-1P		2#12	100	15	B	16	50	2#12		15A-1P	SFD-100C	
1-04.05 POWER DOOR OPERATOR	15A-1P		2#12	600	17	C	18				15A-1P	SPARE	
1-06 DOOR HOLD OPEN DEVICE	15A-1P		2#12	10	19	A	20				15A-1P	SPARE	
SPARE	15A-1P				21	B	22				15A-1P	SPARE	
SPARE	15A-1P				23	C	24				20A-1P	SPARE	
SPARE	15A-1P				25	A	26					SPACE	
SPARE	20A-1P				27	B	28					SPACE	
SPARE					29	C	30					SPACE	
BRK TYPE: * GFCI BREAKER		LOAD PHASE A (W): 3110											
** COMBINATION AFCI		LOAD PHASE B (W): 2900										TOTAL LOAD (W): 7560	
*** LOCK ON BREAKER		LOAD PHASE C (W): 1550										TOTAL AMPS (A): 20.985	

PANEL ID: W2		MOUNTING: SURFACE		PANEL MAINS: 60 A									
VOLTAGE: 120/208V		LOCATION: X		MAIN BREAKER: 60 A									
PHASE/WIRE: 3PH/4W		FED FROM: X		KAIC RATING: 10 KAIC									
DESCRIPTION	BRK SIZE	BRK TYPE	WIRE SIZE	LOAD	CCT	BUS	CCT	LOAD	WIRE SIZE	BRK TYPE	BRK SIZE	DESCRIPTION	
BOYS BF W/R 105 DOOR OPERAT.	15A-1P		2#12	500	1	A	2	500	2#12		15A-1P	GIRLS BF W/R 104 DOOR OPERAT.	
BOYS BF W/R 105 HAND DRYER	15A-1P		2#12	1000	3	B	4	1000	2#12		15A-1P	GIRLS BF W/R 104 HAND DRYER	
BOYS BF W/R 105 RECPT.	15A-1P		2#12	300	5	C	6	300	2#12		15A-1P	GIRLS BF W/R 104 RECPT.	
W/R 105 GFCI RECPT	15A-1P		2#12	100	7	A	8	100	2#12		15A-1P	W/R 104 GFCI RECPT	
W/R 105 TOUCHLESS FAUCETS	15A-1P		2#12	50	9	B	10	50	2#12		15A-1P	FIRE SMOKE DAMPER SFD-100A	
1-09 POWER DOOR OPERATOR	15A-1P		2#12	300	11	C	12				15A-1P	SPARE	
1-08.10 HOLD OPEN DEVICE	15A-1P		2#12	20	13	A	14				15A-1P	SPARE	
SPARE	15A-1P				15	B	16				15A-1P	SPARE	
SPARE	15A-1P				17	C	18				20A-1P	SPARE	
SPARE	15A-1P				19	A	20					SPACE	
SPARE	20A-1P				21	B	22					SPACE	
SPARE					23	C	24					SPACE	
SPARE					25	A	26					SPACE	
SPARE					27	B	28					SPACE	
SPARE					29	C	30					SPACE	
BRK TYPE: * GFCI BREAKER		LOAD PHASE A (W): 1220											
** COMBINATION AFCI		LOAD PHASE B (W): 2100										TOTAL LOAD (W): 4220	
*** LOCK ON BREAKER		LOAD PHASE C (W): 900										TOTAL AMPS (A): 11.714	

PANEL ID: W3		MOUNTING: SURFACE		PANEL MAINS: 60 A									
VOLTAGE: 120/208V		LOCATION: X		MAIN BREAKER: 60 A									
PHASE/WIRE: 3PH/4W		FED FROM: X		KAIC RATING: 10 KAIC									
DESCRIPTION	BRK SIZE	BRK TYPE	WIRE SIZE	LOAD	CCT	BUS	CCT	LOAD	WIRE SIZE	BRK TYPE	BRK SIZE	DESCRIPTION	
STORAGE ROOM 203 RECPT.	15A-1P		2#12	500	1	A	2	500	2#12		15A-1P	SEMINAR ROOM 202 RECPT.	
MALE W/R 200 HAND DRYER	15A-1P		2#12	1000	3	B	4	1000	2#12		15A-1P	FEMALE W/R 201 HAND DRYER	
MALE W/R 200 RECPT.	15A-1P		2#12	300	5	C	6	300	2#12		15A-1P	FEMALE W/R 201 RECPT.	
SEMINAR ROOM 202 ERV-1	15A-1P		2#12	85	7	A	8	50	2#12		15A-1P	W/R 201 TOUCHLESS FAUCETS	
SEMINAR ROOM 202 DH-1	15A-2P		2#12	500	9	B	10	50	2#12		15A-1P	W/R 201 TOUCHLESS FAUCETS	
SEMINAR ROOM 202 BASEBOARD HEATER	15A-2P		2#12	750	11	C	12	50	2#12		15A-1P	FIRE SMOKE DAMPER SFD-200A	
SEMINAR ROOM 202 BASEBOARD HEATER	15A-2P		2#12	750	13	A	14				15A-1P	SPARE	
SEMINAR ROOM 202 BASEBOARD HEATER	15A-2P		2#12	750	15	B	16				15A-1P	SPARE	
W/R 200 TOUCHLESS FAUCETS	15A-1P		2#12	50	17	C	18				15A-1P	SPARE	
W/R 200 TOUCHLESS FAUCETS	15A-1P		2#12	50	19	A	20				20A-1P	SPARE	
W/R 200 TOUCHLESS FAUCETS	15A-1P		2#12	50	21	B	22					SPACE	
SPARE	15A-1P				23	C	24					SPACE	
SPARE	15A-1P				25	A	26					SPACE	
SPARE	15A-1P				27	B	28					SPACE	
SPARE	20A-1P				29	C	30					SPACE	
BRK TYPE: * GFCI BREAKER		LOAD PHASE A (W): 1935											
** COMBINATION AFCI		LOAD PHASE B (W): 3350										TOTAL LOAD (W): 6485	
*** LOCK ON BREAKER		LOAD PHASE C (W): 1200										TOTAL AMPS (A): 18.001	

PANEL ID: W4		MOUNTING: SURFACE		PANEL MAINS: 60 A									
VOLTAGE: 120/208V		LOCATION: X		MAIN BREAKER: 60 A									
PHASE/WIRE: 3PH/4W		FED FROM: X		KAIC RATING: 10 KAIC									
DESCRIPTION	BRK SIZE	BRK TYPE	WIRE SIZE	LOAD	CCT	BUS	CCT	LOAD	WIRE SIZE	BRK TYPE	BRK SIZE	DESCRIPTION	
STUFF W/R 300 RECPT.	15A-1P		2#12	300	1	A	2	100	2#12		15A-1P	EF-1	
UNIV W/R 302 DOOR OPERATOR	15A-1P		2#12	500	3	B	4	300	2#12		15A-1P	STUFF W/R 301 RECPT.	
UNIV W/R 302 HAND DRYER	15A-1P		2#12	1000	5	C	6	50	2#12		15A-1P	W/R 301 TOUCHLESS FAUCETS	
UNIV W/R 302 RECPT.	15A-1P		2#12	300	7	A	8				15A-1P	SPARE	
W/R 300 TOUCHLESS FAUCETS	15A-1P		2#12	50	9	B	10				15A-1P	SPARE	
W/R 302 TOUCHLESS FAUCETS	15A-1P		2#12	50	11	C	12				15A-1P	SPARE	
3-01,02,03 HOLD OPEN DEVICE	15A-1P		2#12	30	13	A	14				20A-1P	SPARE	
SPARE	15A-1P				15	B	16					SPACE	
SPARE	15A-1P				17	C	18					SPACE	
SPARE	15A-1P				19	A	20					SPACE	
SPARE	20A-1P				21	B	22					SPACE	
SPARE					23	C	24					SPACE	
SPARE					25	A	26					SPACE	
SPARE					27	B	28					SPACE	
SPARE					29	C	30					SPACE	
BRK TYPE: * GFCI BREAKER		LOAD PHASE A (W): 730											
** COMBINATION AFCI		LOAD PHASE B (W): 850										TOTAL LOAD (W): 2680	
*** LOCK ON BREAKER		LOAD PHASE C (W): 1100										TOTAL AMPS (A): 7.439	



FEEDER NO.	CONDUCTOR + BOND SIZE (AWG OR KCMIL) PER RUN	MAXIMUM FEEDER AMPACITY	NO. OF RUNS	MINIMUM CONDUIT SIZE PER RUN mm (inch.)		
				2 WIRE + BOND	3 WIRE + BOND	4 WIRE + BOND
C6E0065.X	#6AWG + #8AWG	65	1	27 (1)	27 (1)	27 (1)
C6E0200.X	#3/0 + #4AWG	200	1	41 (1½)	53 (2)	53 (2)

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Burlington, Ontario

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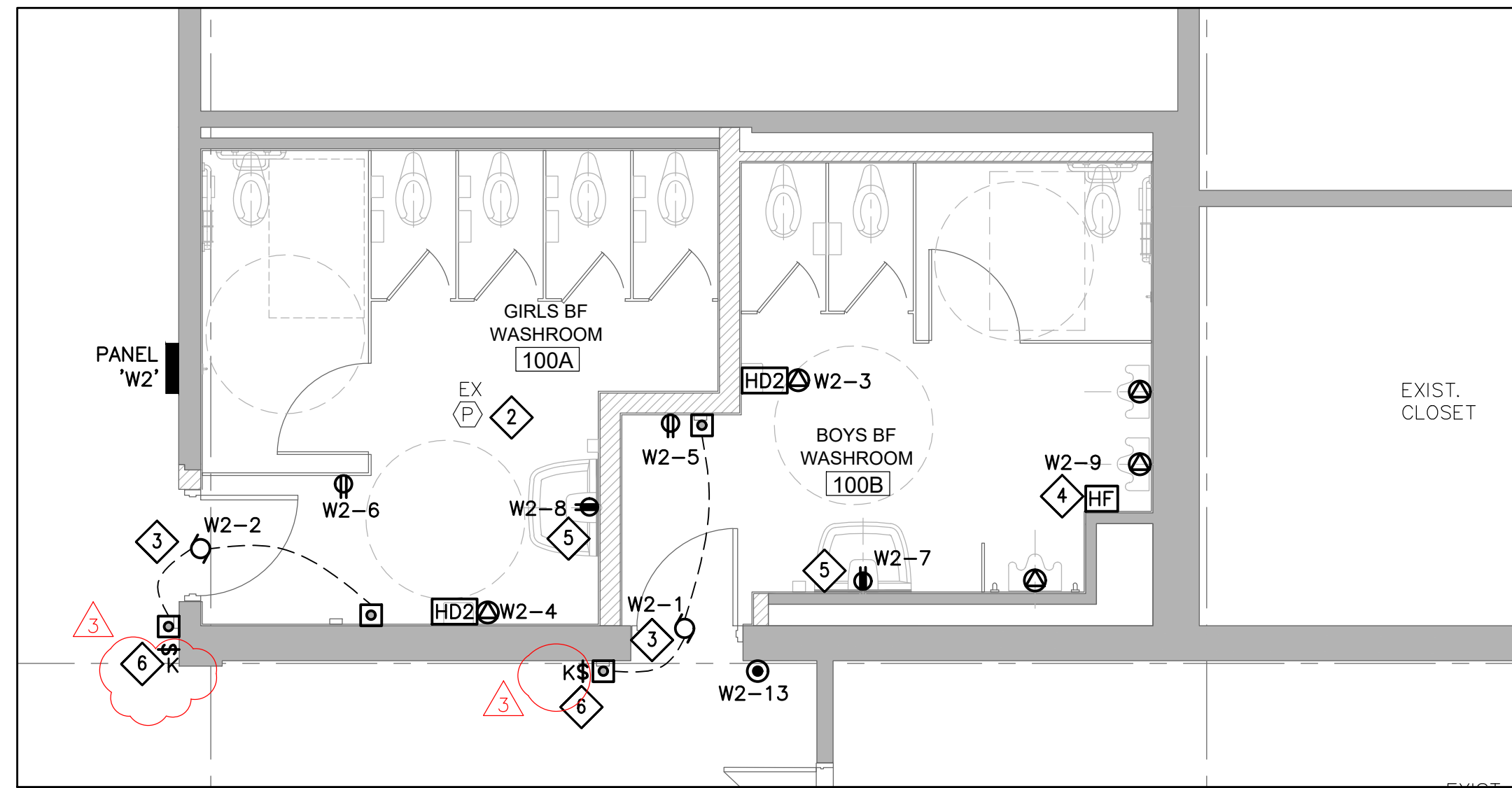
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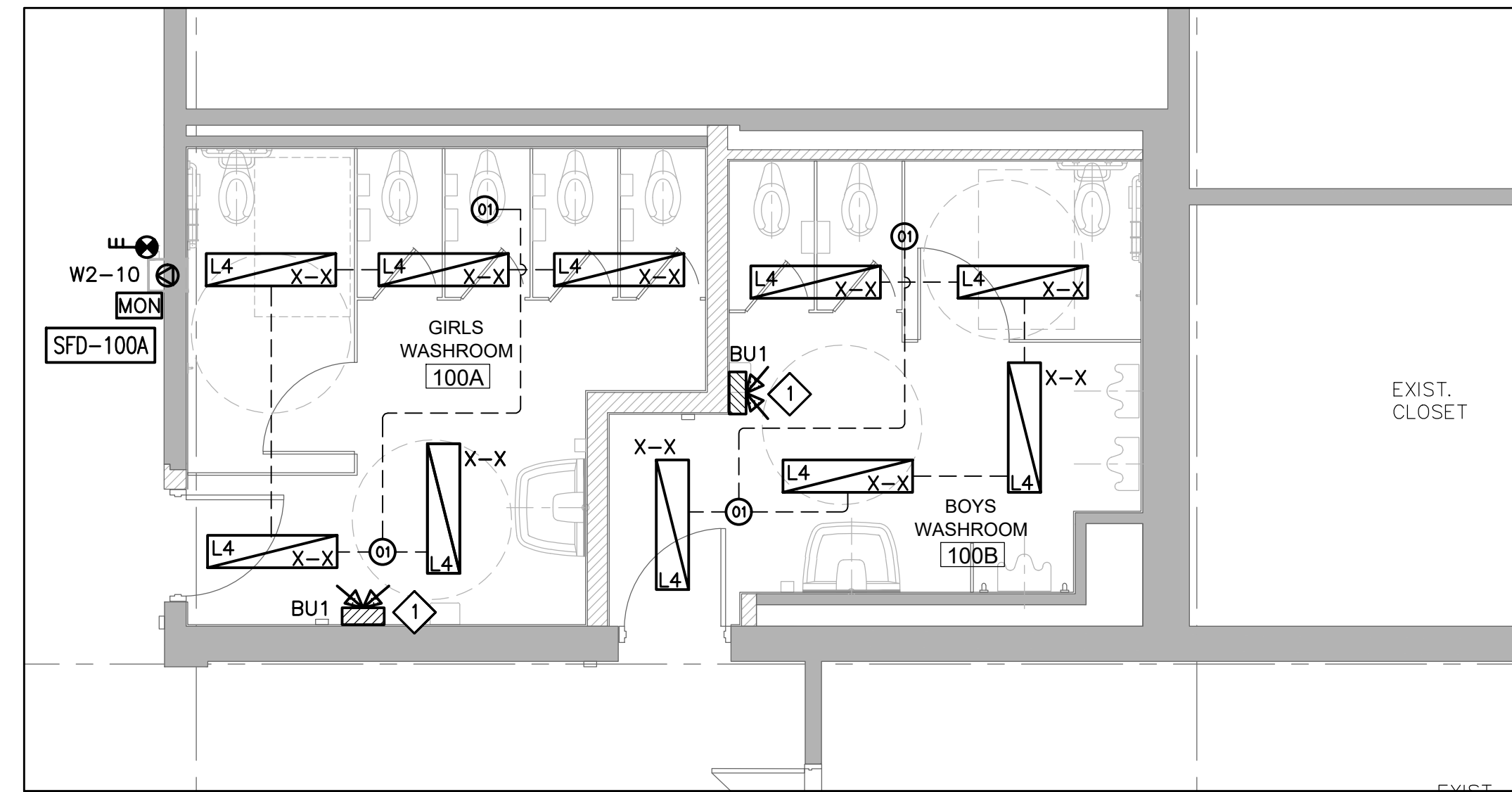
PROJECT
BURLINGTON CENTRAL H.S. RENOVATIONS
1433 Baldwin Street Burlington, ON

DRAWN YC	PROJECT NO 2005
CHECKED PI	ENG PROJECT NO. 23008
SCALE NTS	

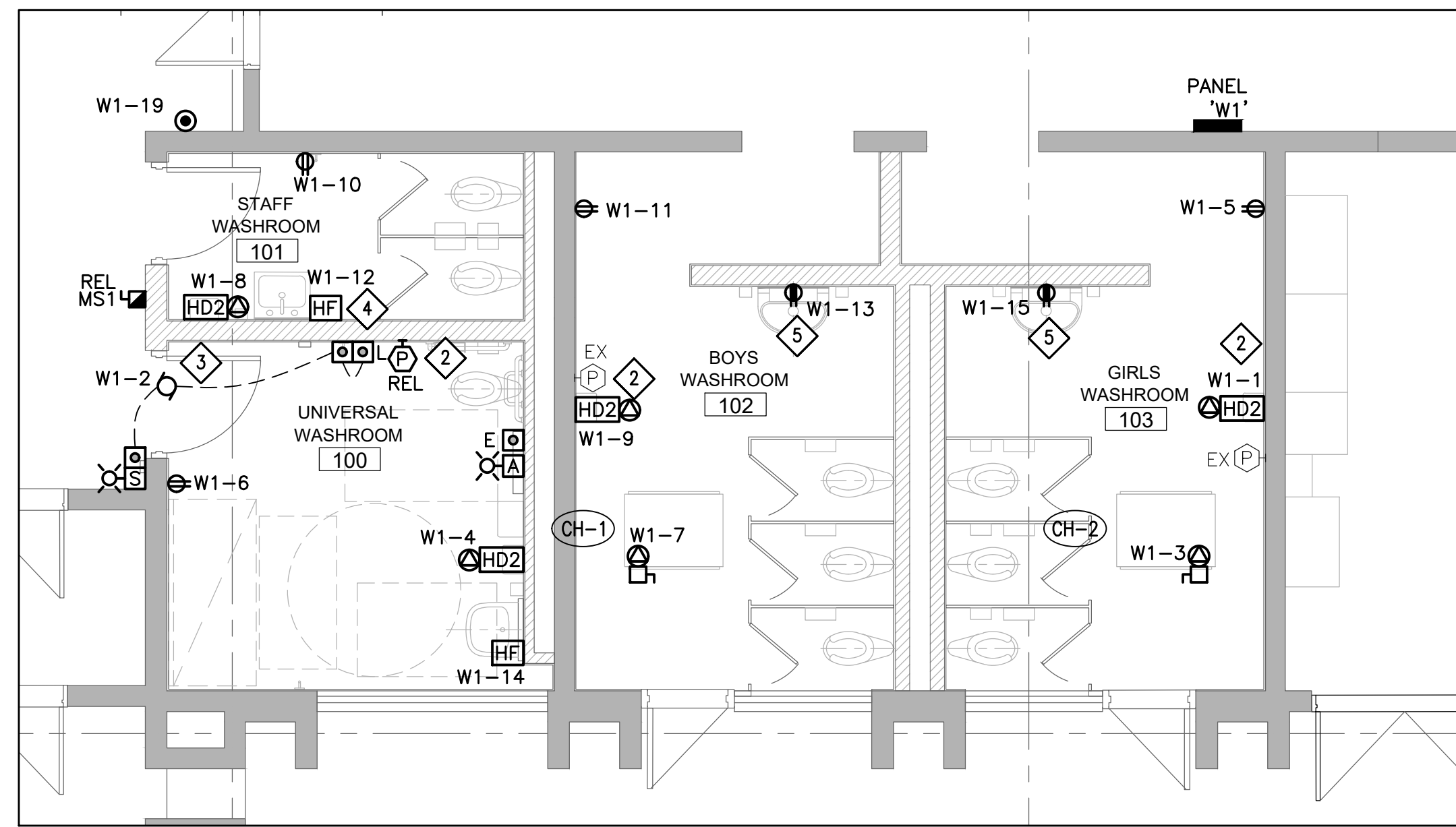
DRAWING
PANEL SCHEDULES AND SINGLE LINE DIAGRAM



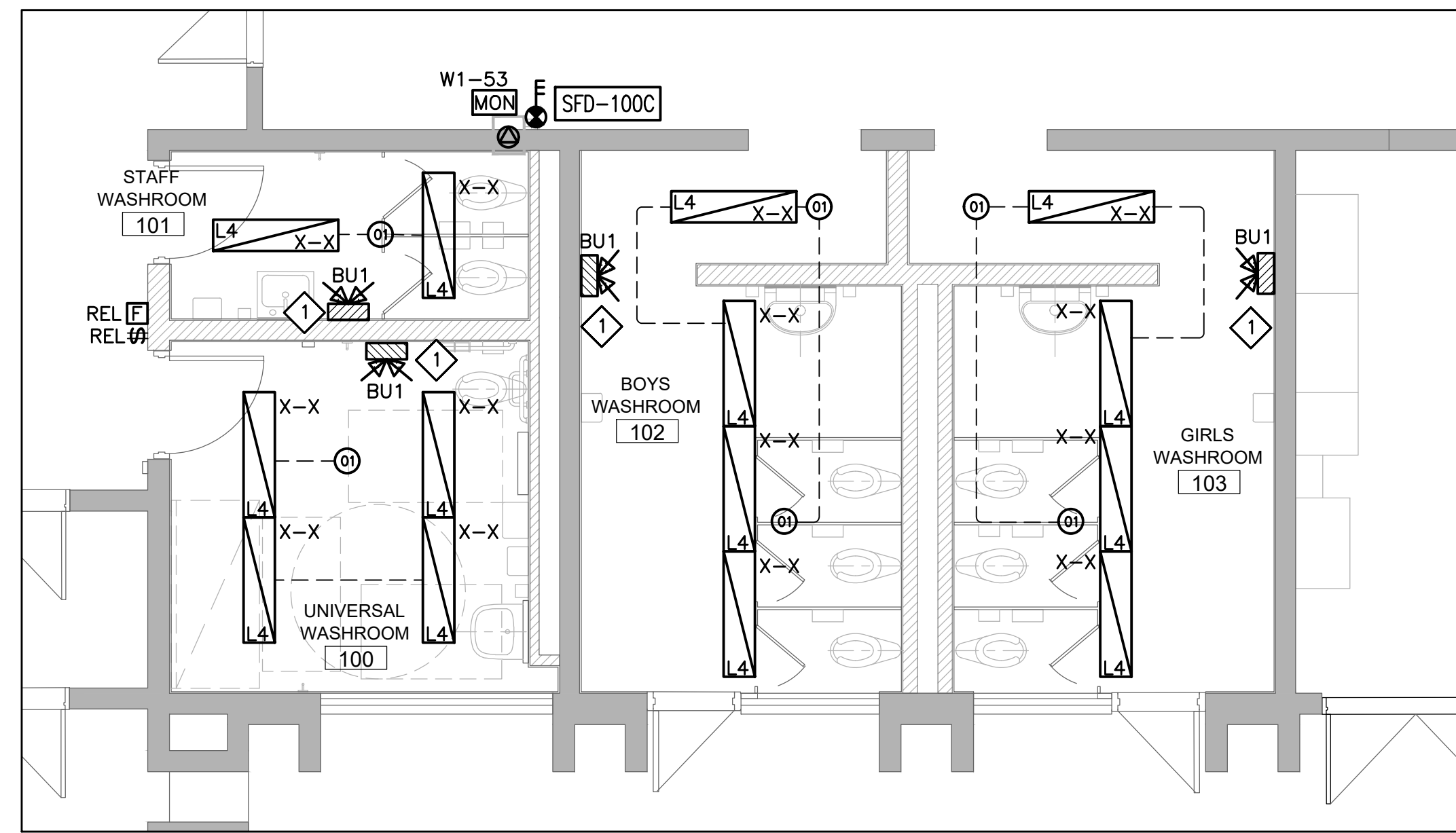
FIRST FLOOR GYM WASHROOM – POWER AND SYSTEMS
SCALE 1:50



FIRST FLOOR GYM WASHROOM – LIGHTING AND LIFE SAFETY
SCALE 1:50



FIRST FLOOR LIBRARY WASHROOM – POWER AND SYSTEMS
SCALE 1:50



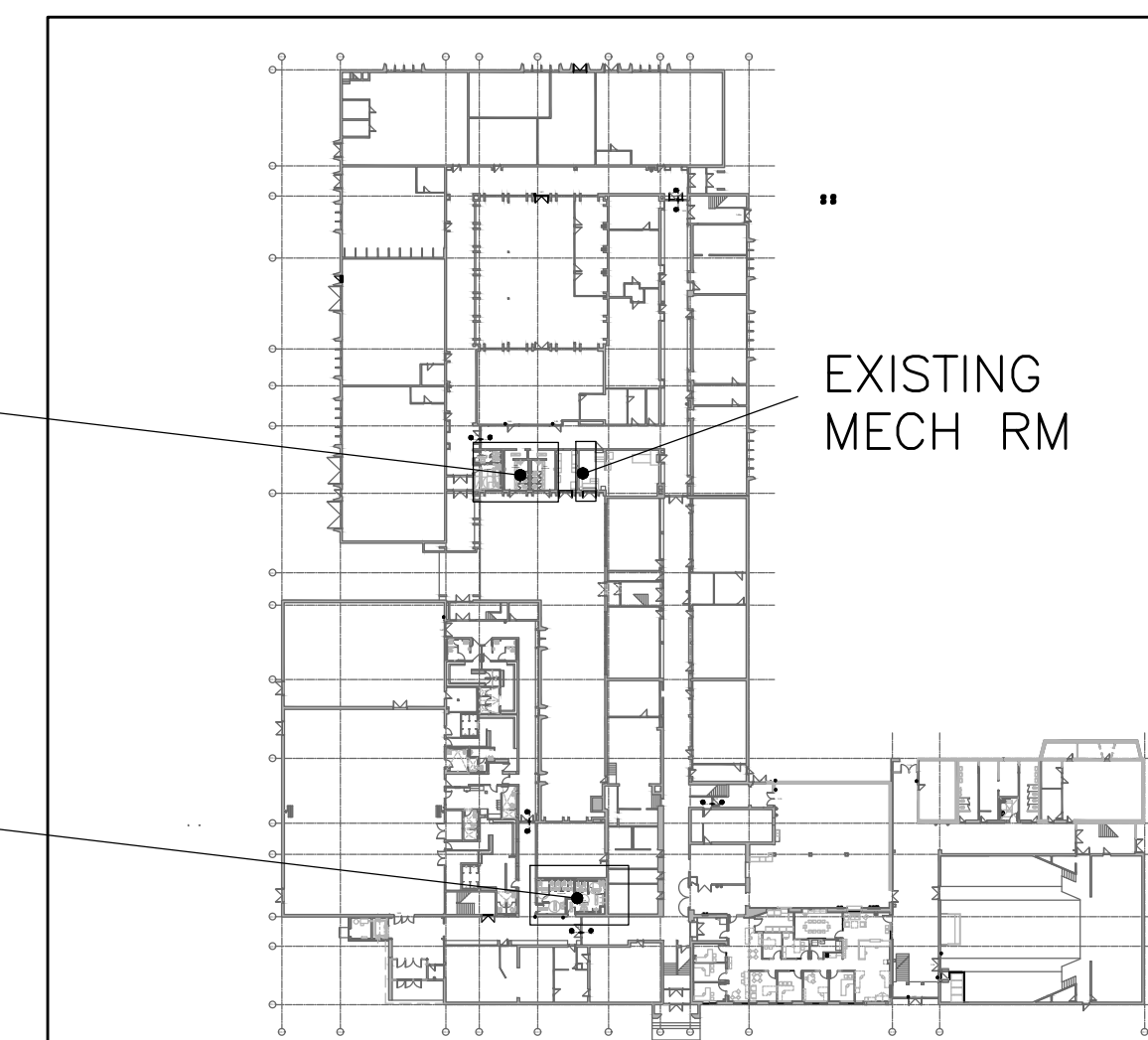
FIRST FLOOR LIBRARY WASHROOM – LIGHTING AND LIFE SAFETY
SCALE 1:50

GENERAL DRAWING NOTES:

1. WIRE NEW LIGHTING FIXTURES TO THE SAME BRANCH CIRCUIT THAT THE EXISTING LIGHTS ARE WIRED TO.

DRAWING KEYNOTES:

- 1 WIRE NEW BATTERY UNIT TO THE SAME BRANCH CIRCUIT THAT THE WASHROOM LIGHTS ARE WIRED TO.
- 2 SUPPLY AND INSTALL NEW SPEAKER COVER FOR EXISTING SPEAKER. COORDINATE WITH SCHOOL FOR EXACT SPEAKER COVER SPECIFICATIONS.
- 3 WIRE POWER DOOR OPERATOR TO FIRE ALARM CONTROL MODULE TO RELEASE UPON ACTIVATION OF THE FIRE ALARM.
- 4 PROVIDE NEW WIRING/CONDUIT/BOX AS REQUIRED FOR NEW LOW VOLTAGE BOX MOUNT TRANSFORMER FOR HARDWIRED FAUCET(S) AND URINAL SENSORS. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT QUANTITIES OF TRANSFORMER(S) AND ALL LOW VOLTAGE WIRING AND TRANSFORMER(S) BY MECHANICAL CONTRACTOR.
- 5 FOR LOCATION OF GFCI RECEPTACLE REFER TO INSTALLATION MENU FOR WASHFOUNTAIN.
- 6 SUPPLY AND INSTALL SINGLE GANG BOX FOR KEY SWITCH FOR OFF/AUTO/HOLD OPEN. SUPPLY AND INSTALL 16mm (1/2") EMT TO POWER DOOR OPERATOR. KEY SWITCH TO BE SUPPLIED AND INSTALLED BY DOOR HARDWARE SUPPLIER.

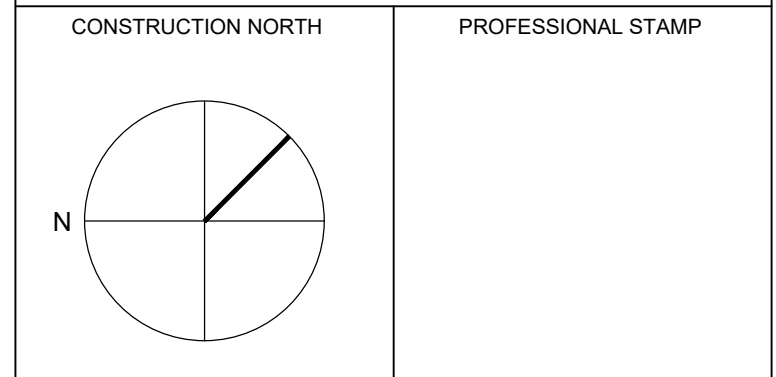


FIRST FLOOR KEY PLAN
SCALE 1:1000

CLIENT
Halton District School Board
2050 Guelph Line
Burlington, Ontario

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NO.	DESCRIPTION	DATE
3.	ISSUED FOR CCO NO 8	23.07.04
2.	ISSUED FOR PERMIT/ CCO NO 7	23.06.07
1.	ISSUED FOR PROGRESS	23.04.28

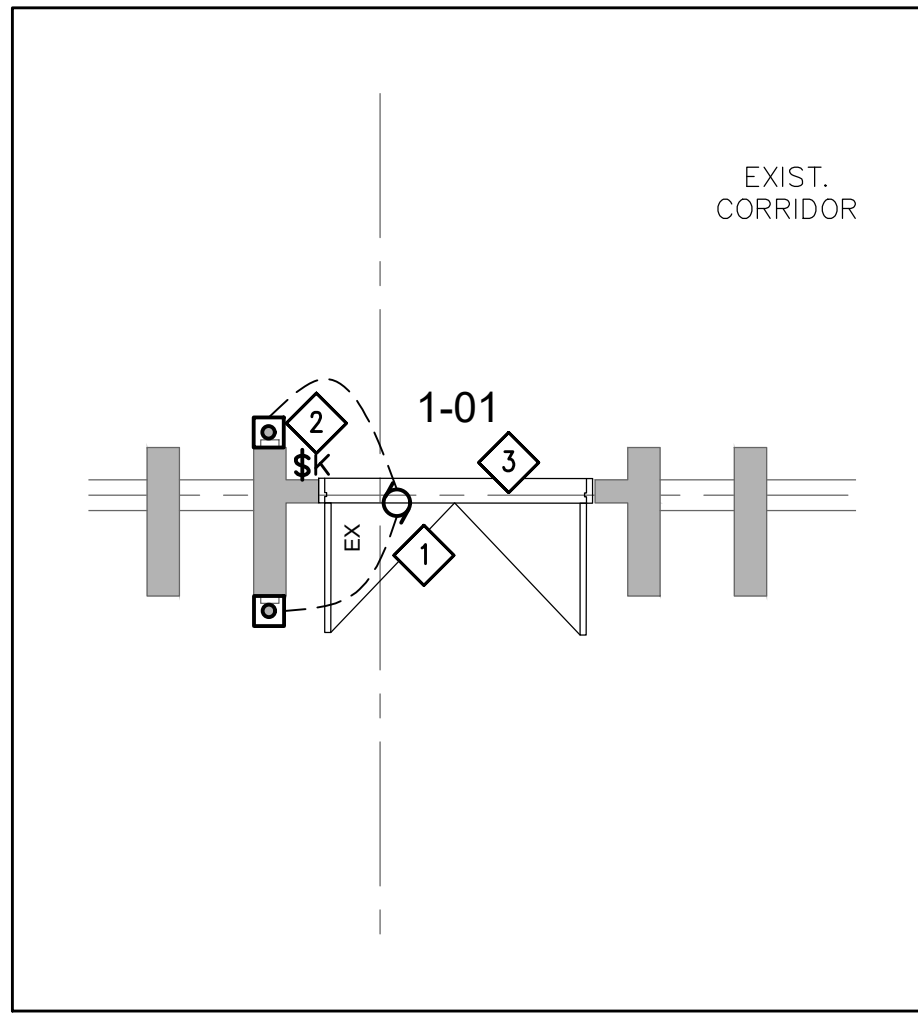
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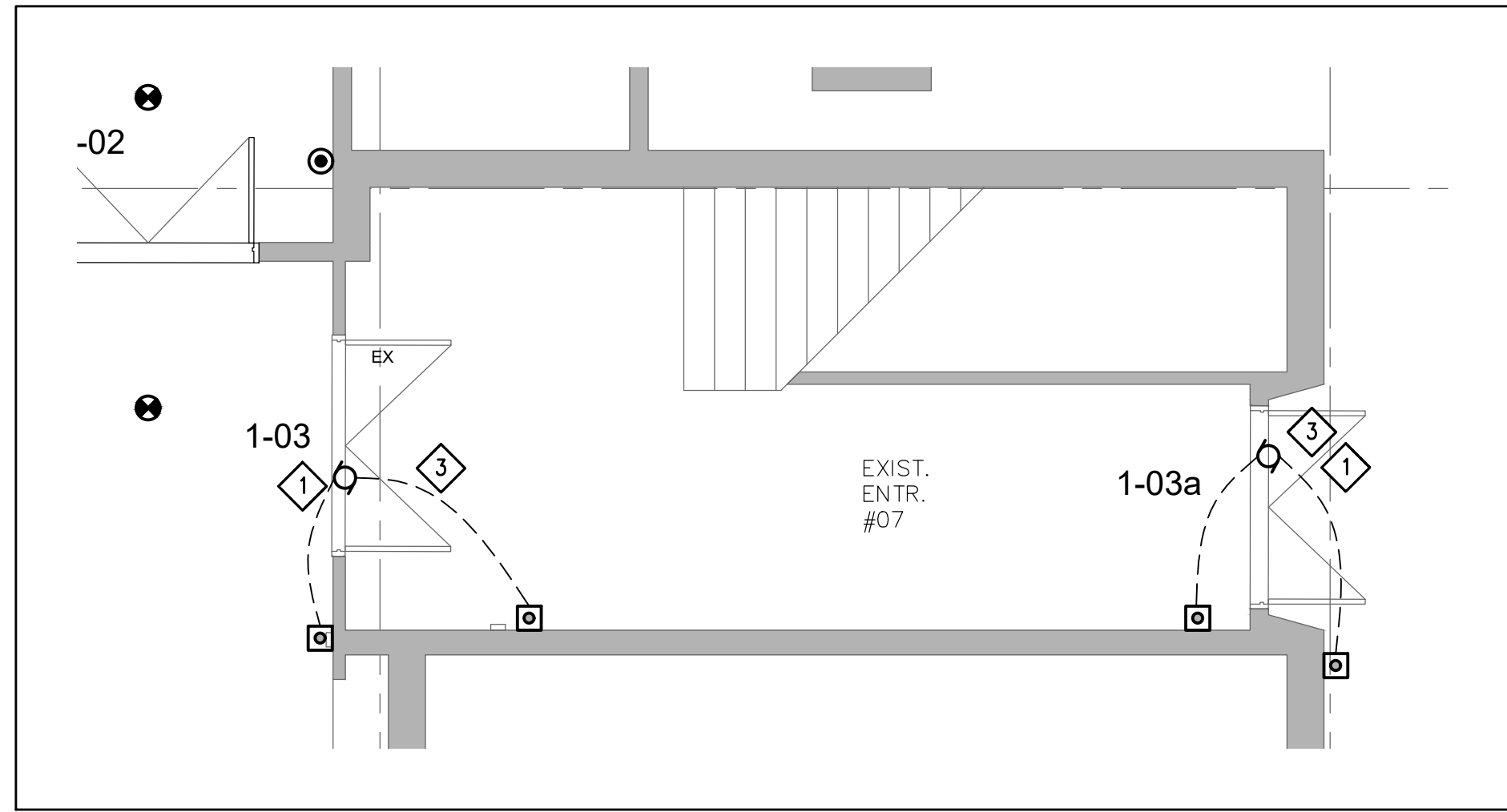
PROJECT
**BURLINGTON CENTRAL
H.S. RENOVATIONS**
1433 Baldwin Street Burlington, ON

DRAWN YC	PROJECT NO 2005
CHECKED PI	ENG PROJECT NO. 23008
SCALE 1 : 50	

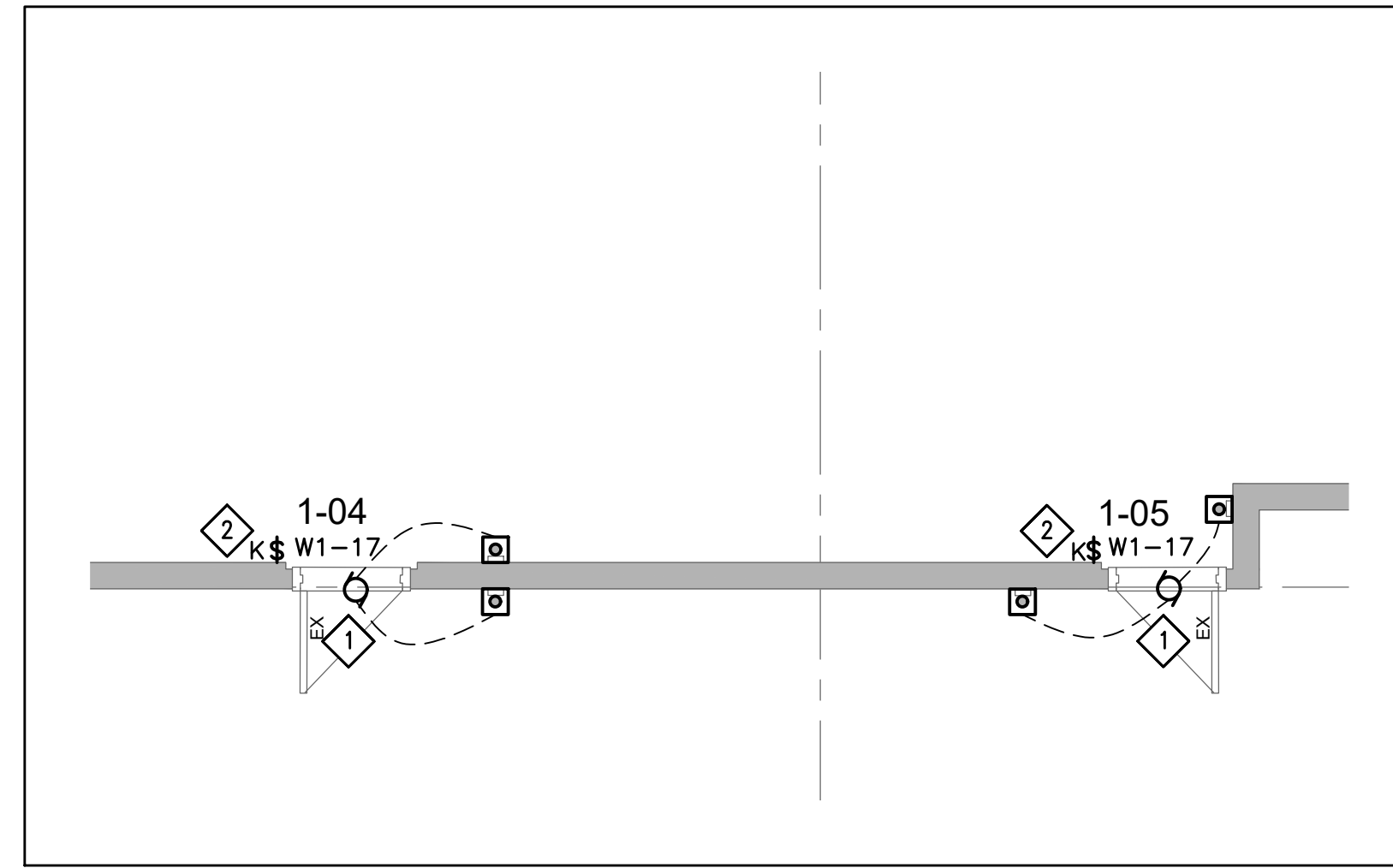
DRAWING
**GROUND FLOOR
POWER AND LIGHTING
NEW**



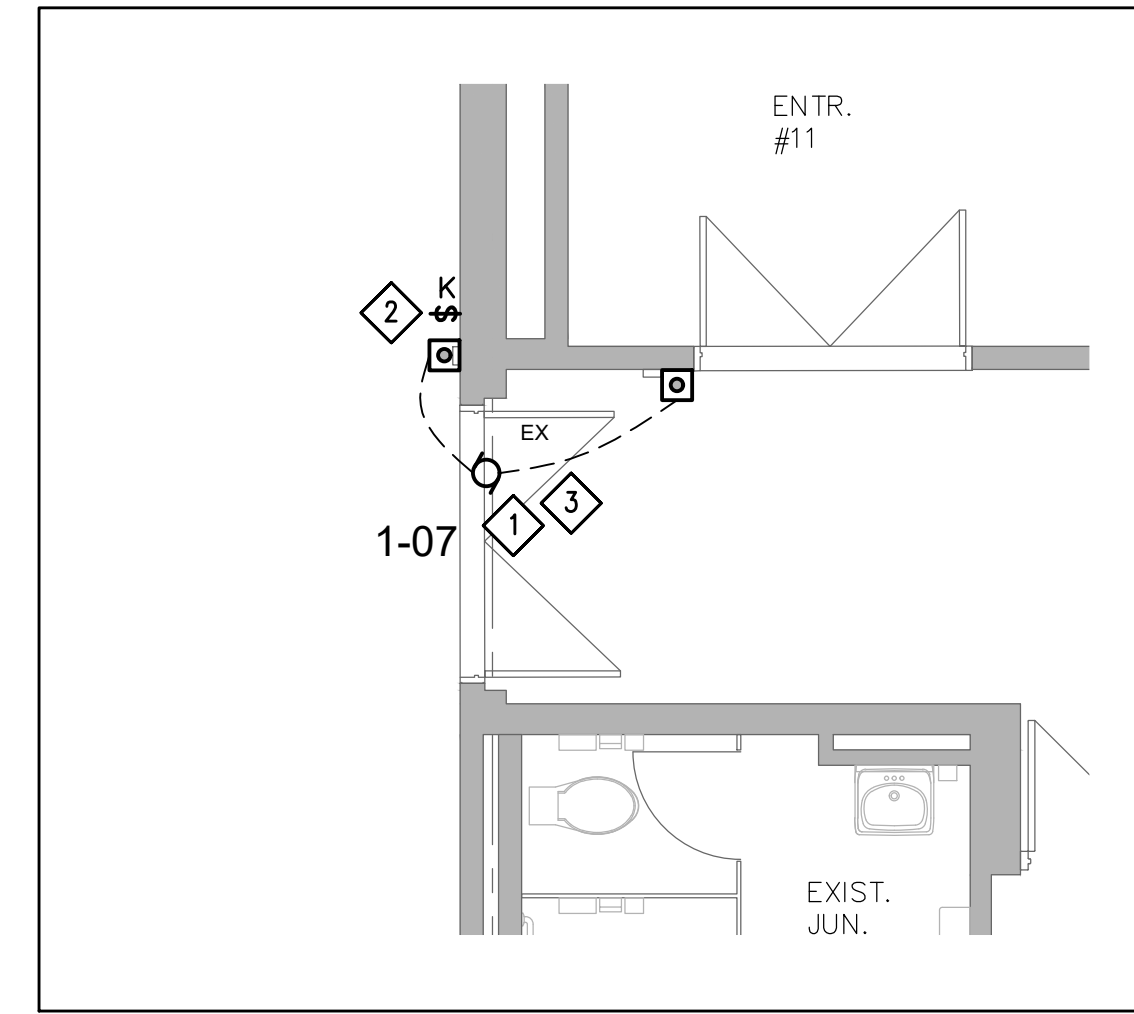
1 FIRST FLOOR - DOOR 1-01
1:50



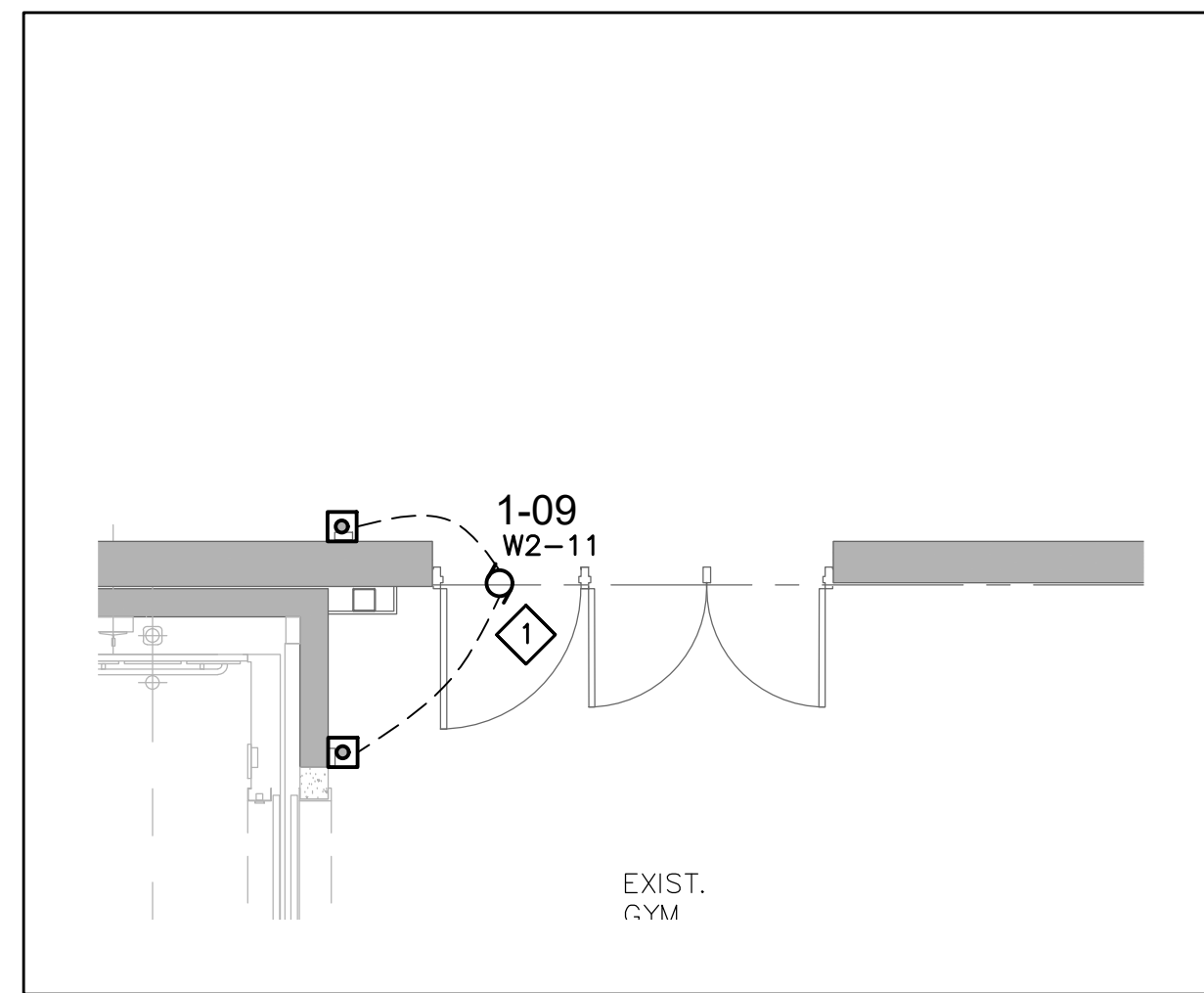
2 FIRST FLOOR - DOOR 1-03 & 1-03a
1:50



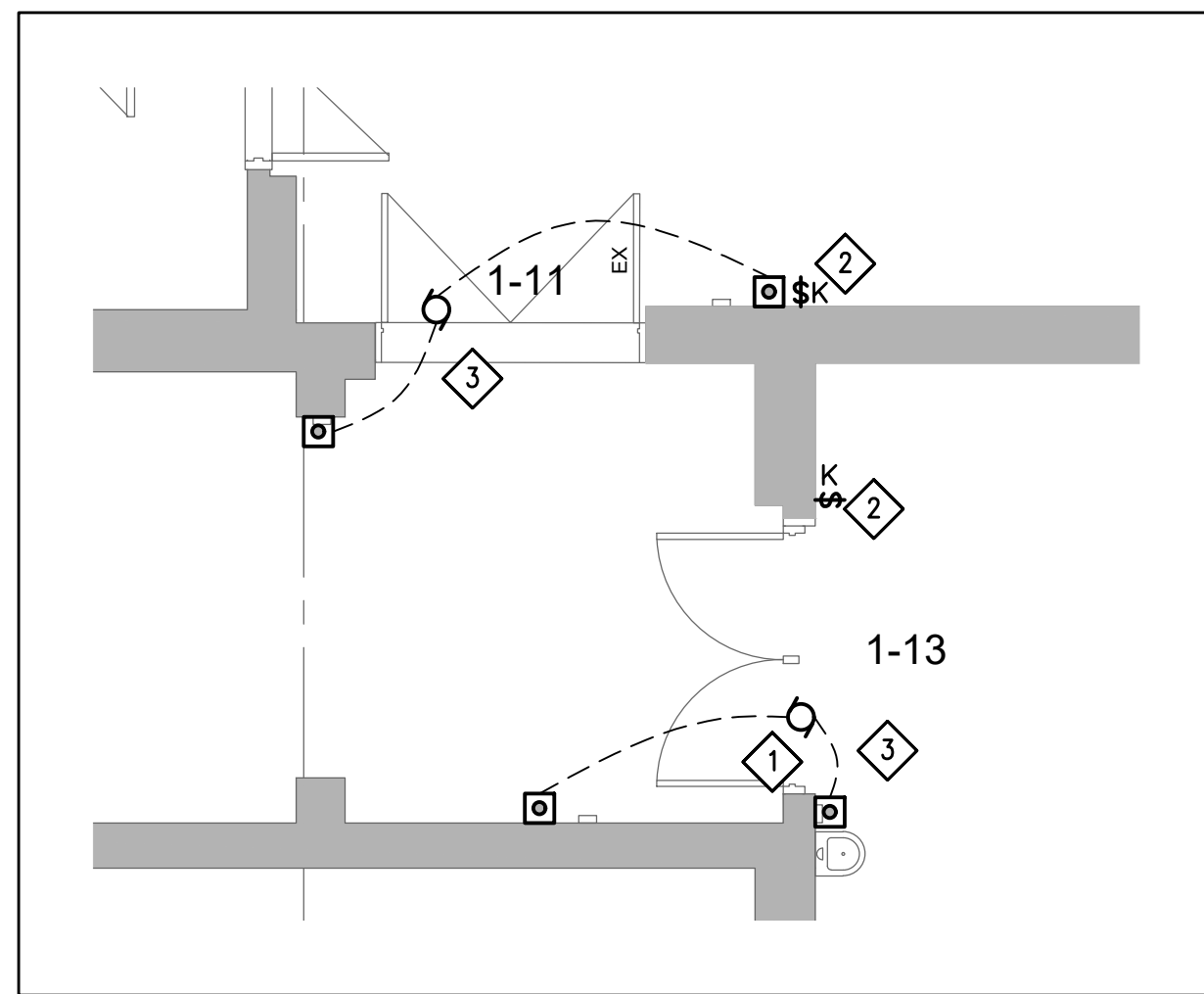
3 FIRST FLOOR - DOOR 1-04 & 1-05
1:50



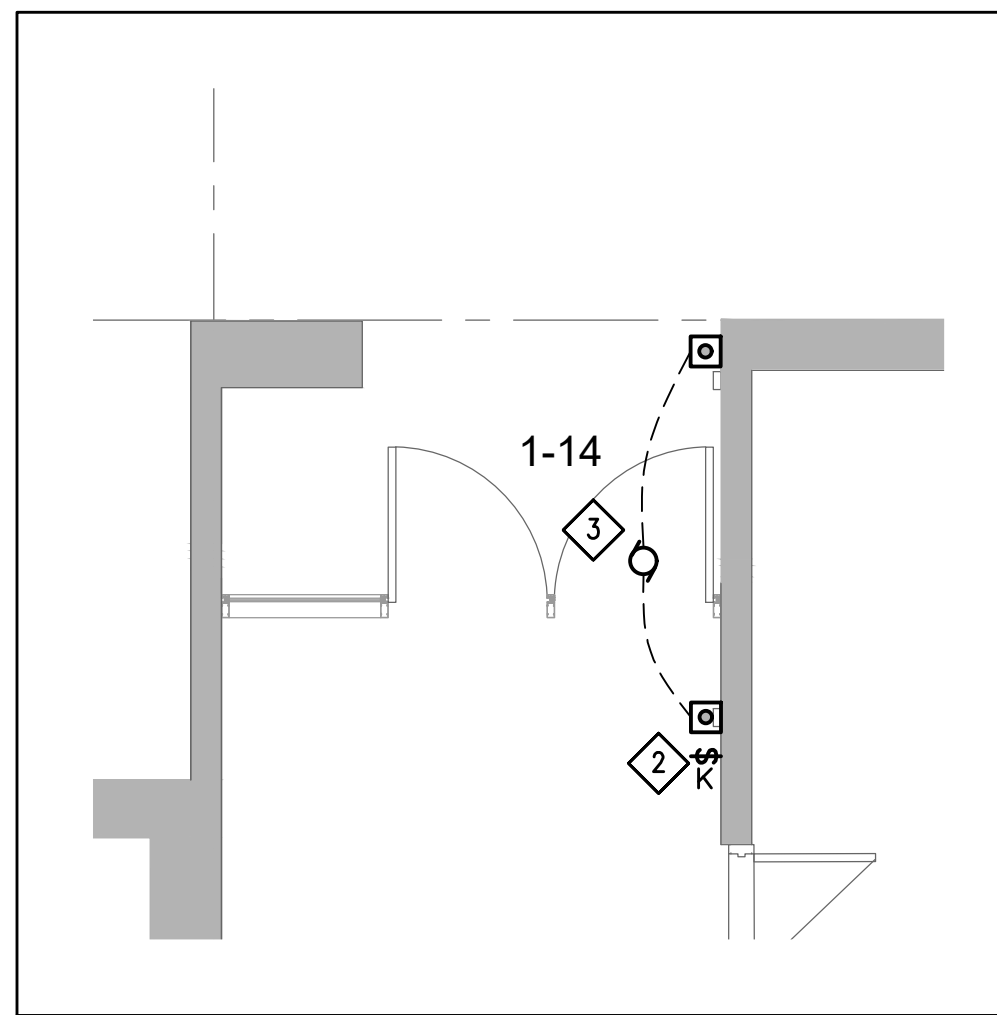
4 FIRST FLOOR - DOOR 1-07
1:50



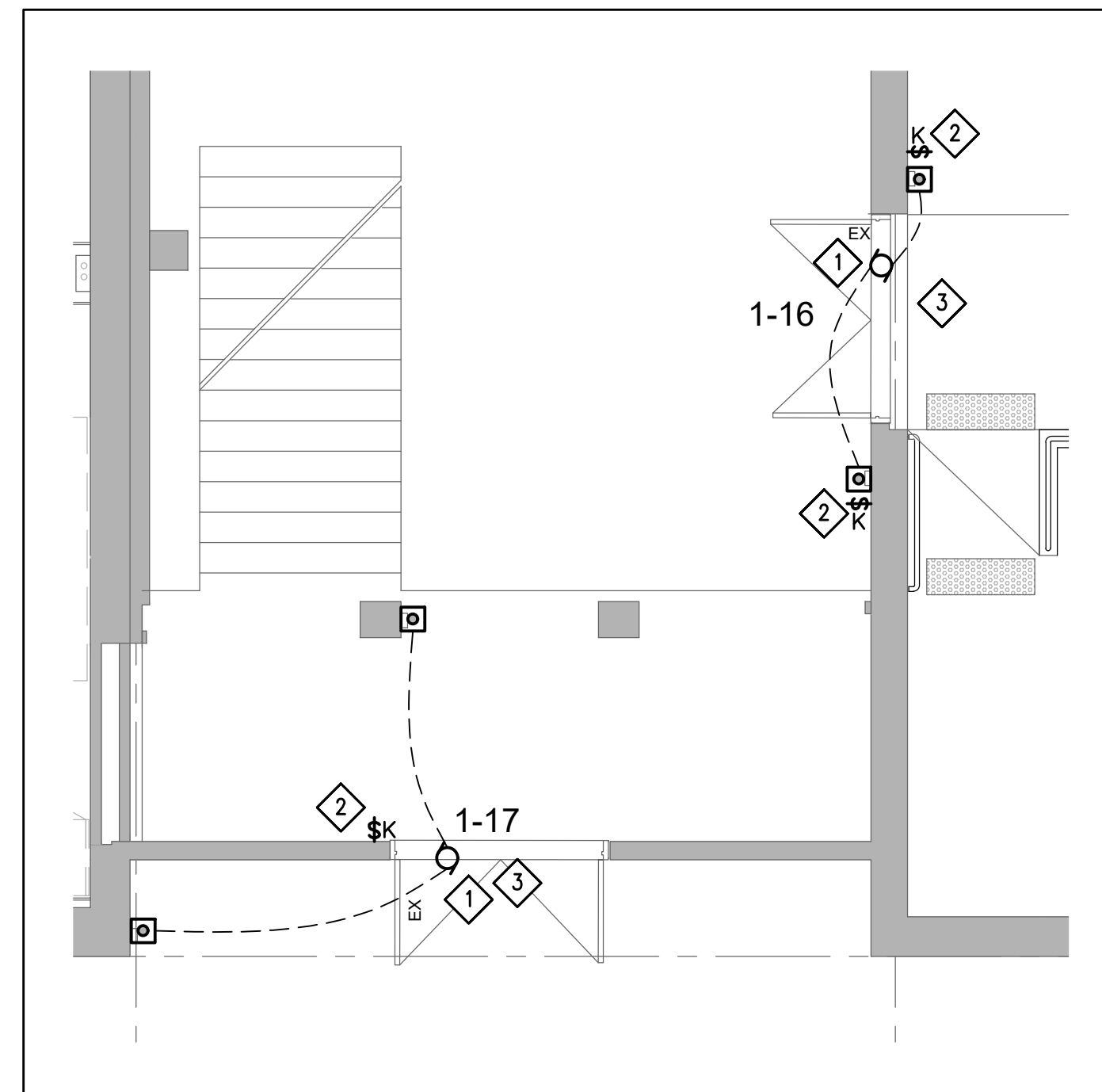
5 FIRST FLOOR - DOOR 1-09
1:50



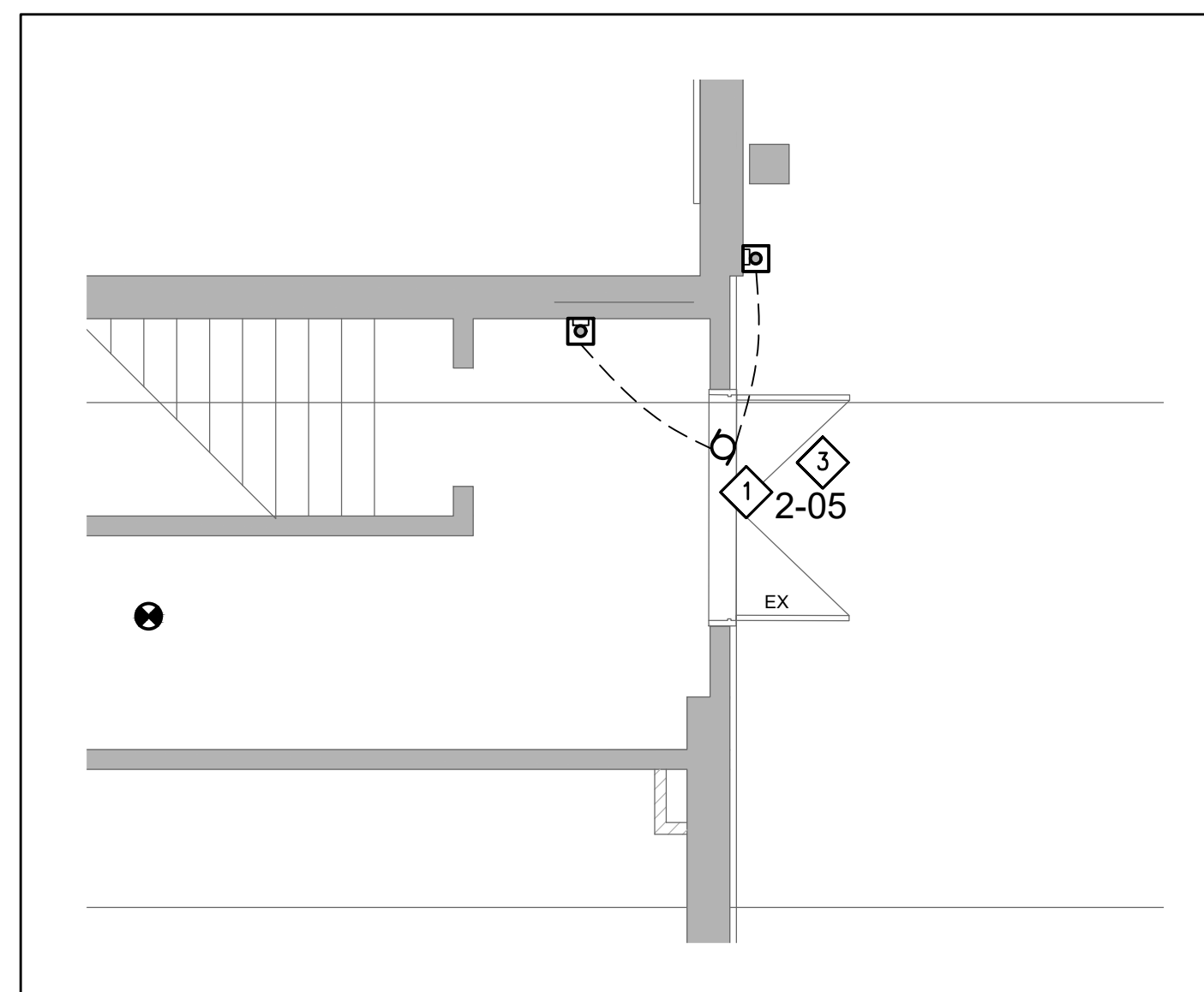
6 FIRST FLOOR - DOOR 1-11 & 1-13
1:50



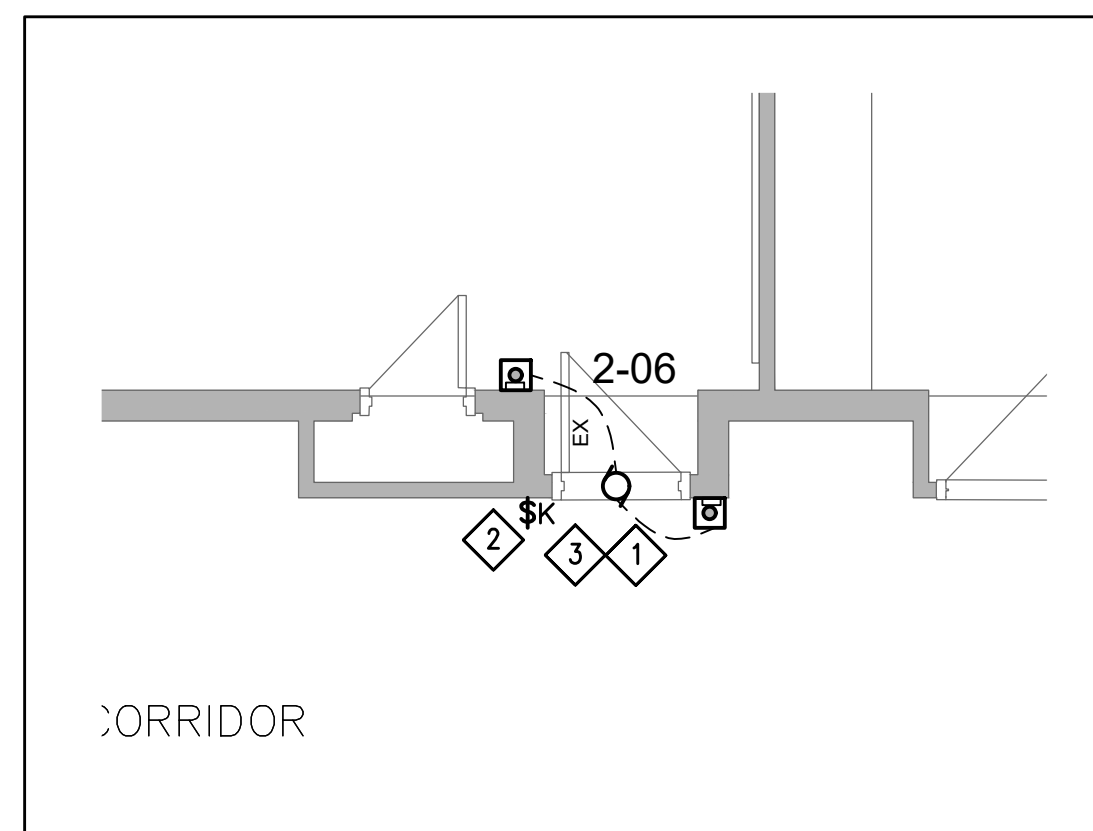
7 FIRST FLOOR - DOOR 1-14
1:50



8 FIRST FLOOR - DOOR 1-16 & 1-17
1:50

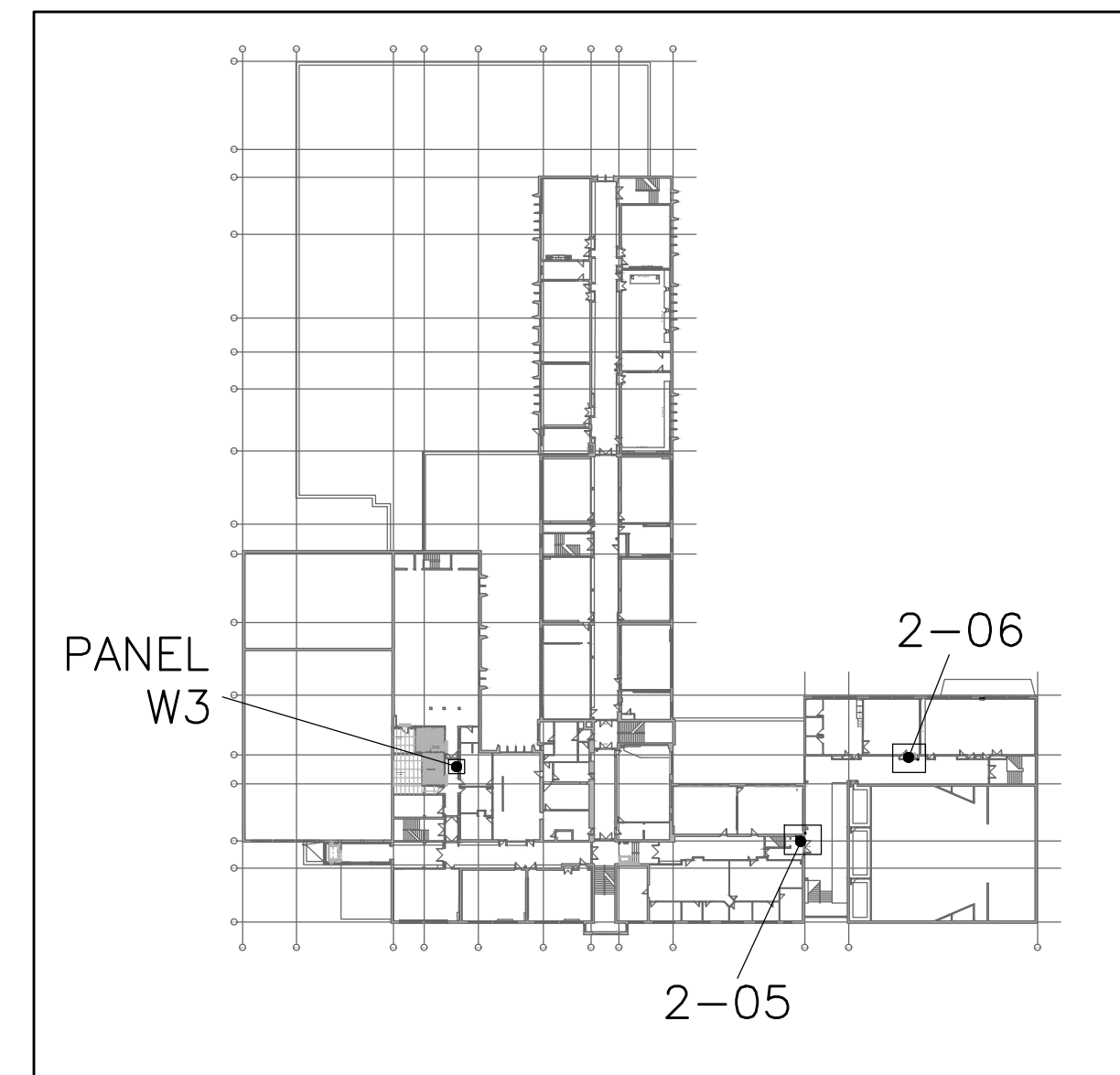


9 SECOND FLOOR - DOOR 2-05
1:50

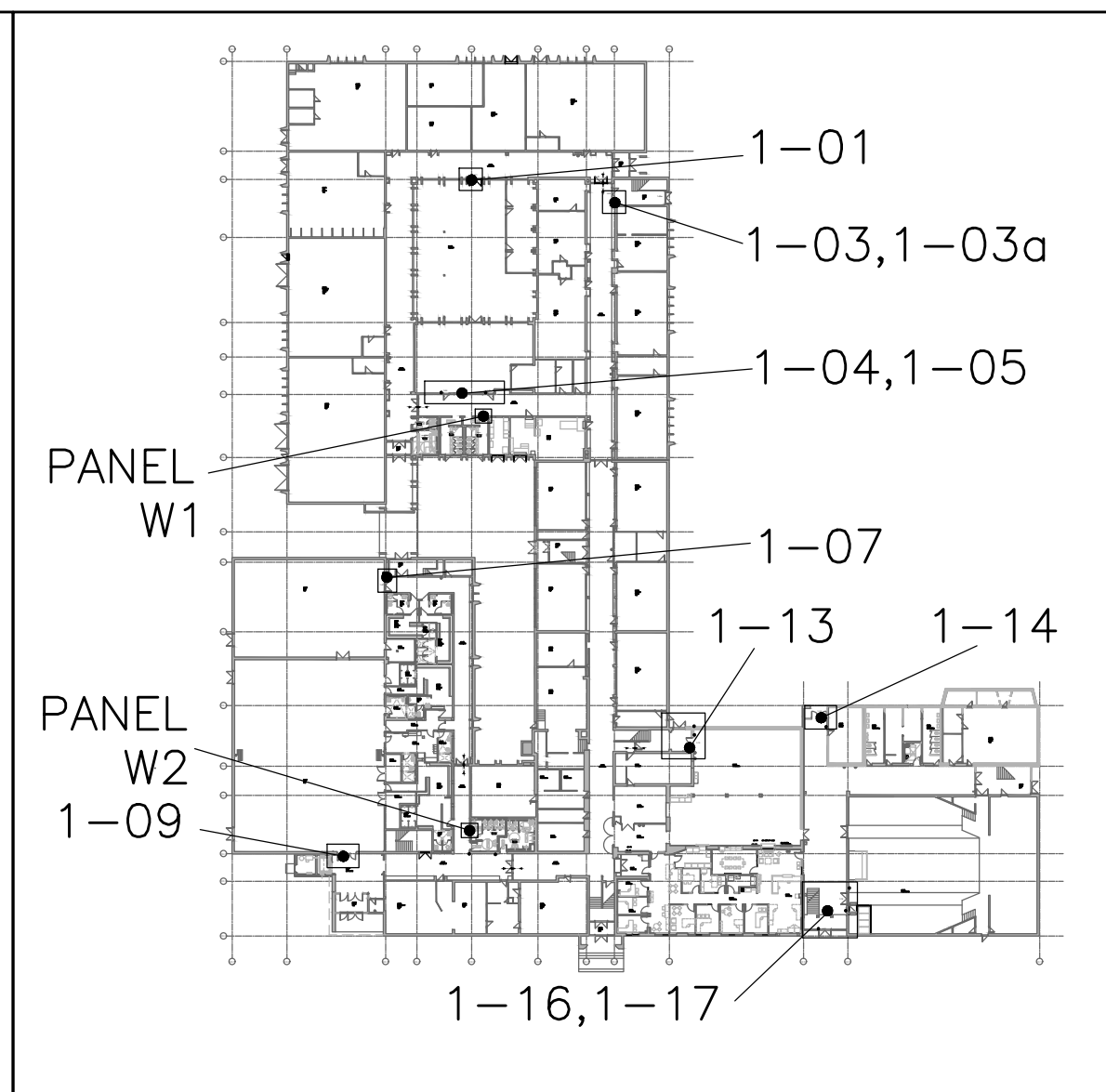


10 SECOND FLOOR - DOOR 2-06
1:50

- DRAWING KEYNOTES:**
- 1 WIRE POWER DOOR OPERATOR TO FIRE ALARM CONTROL MODULE TO RELEASE UPON ACTIVATION OF THE FIRE ALARM.
 - 2 SUPPLY AND INSTALL SINGLE GANG BOX FOR KEY SWITCH FOR OFF/AUTO/HOLD OPEN. SUPPLY AND INSTALL 16mm (1/2") EMT TO POWER DOOR OPERATOR. KEY SWITCH TO BE SUPPLIED AND INSTALLED BY DOOR HARDWARE SUPPLIER.
 - 3 PROVIDE 120V CIRCUIT FROM NEAREST PANEL, WIRE MAXIMUM 2 POWER DOOR OPERATOR ON SAME BRANCH CIRCUIT BREAKER.



SECOND FLOOR KEY PLAN
SCALE 1:1000



FIRST FLOOR KEY PLAN
SCALE 1:1000

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1.	ISSUED FOR PROGRESS	23.04.28

REVISION SCHEDULE

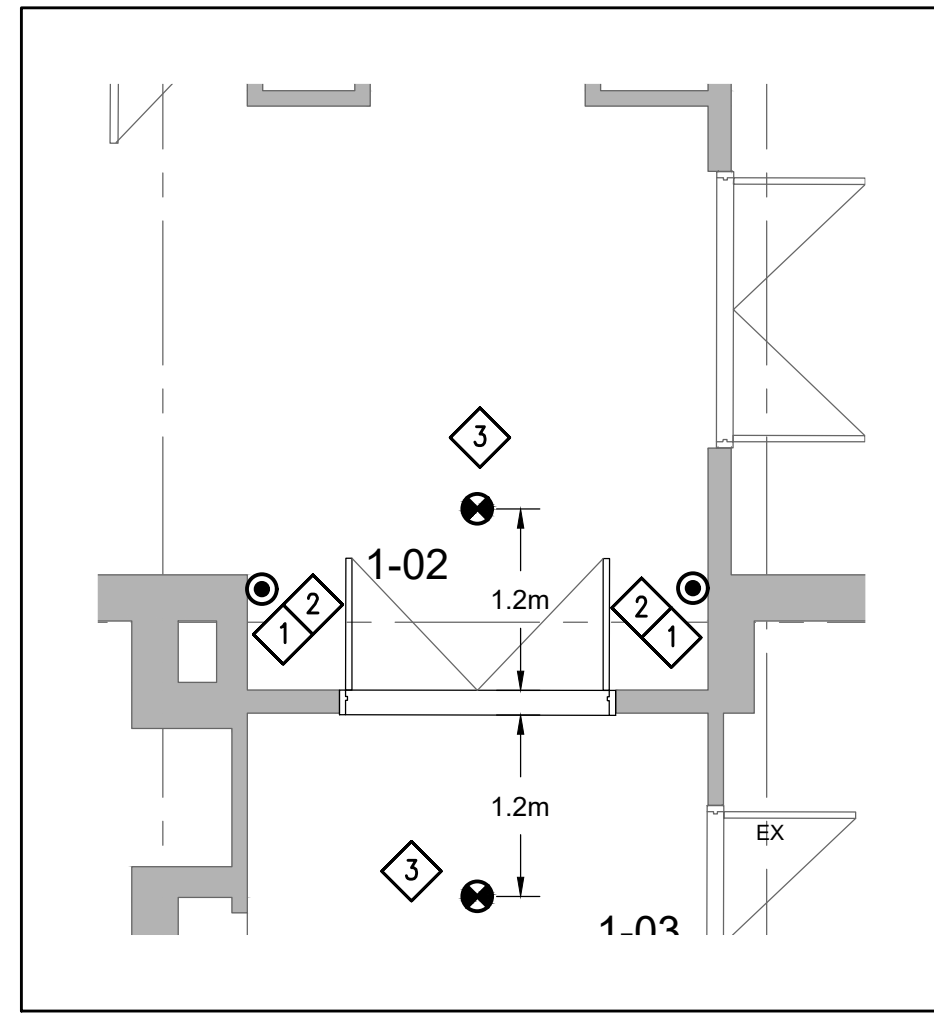
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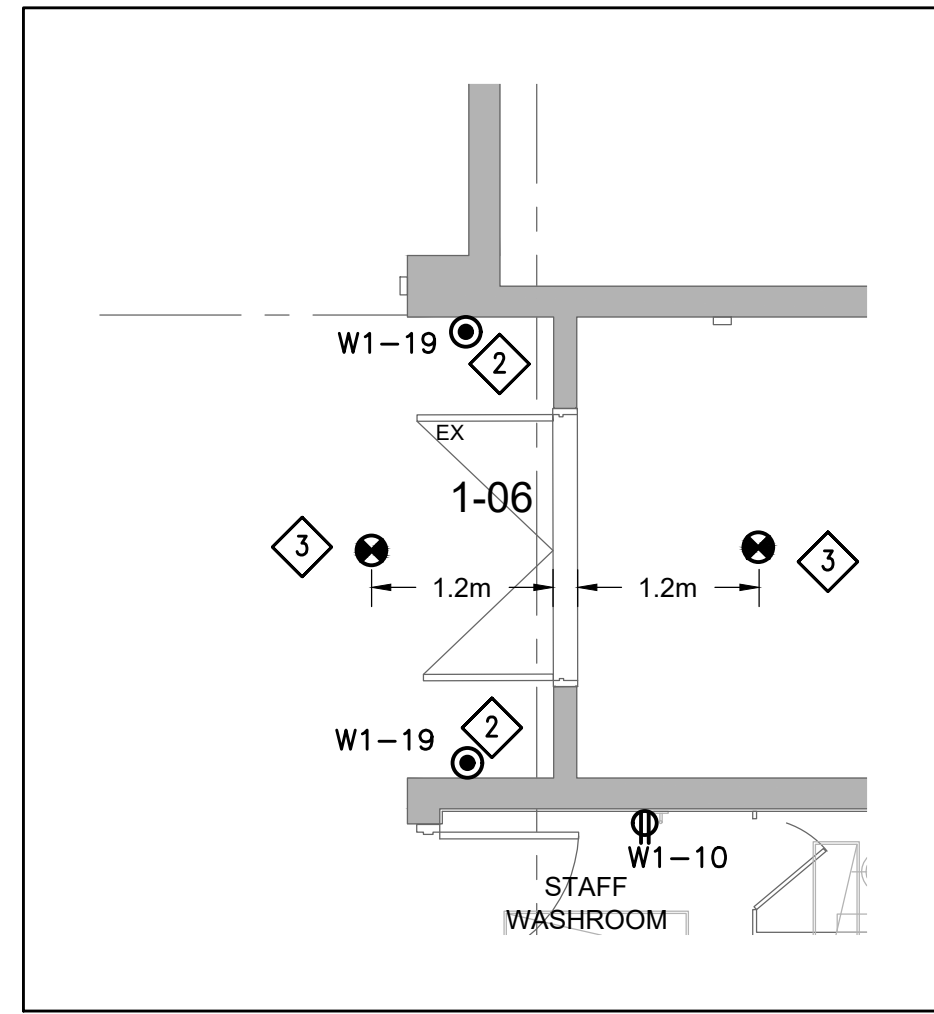
DRAWN YC	PROJECT NO 2005
CHECKED PI	ENG PROJECT NO. 23008
SCALE 1 : 50	

DRAWING
NEW
POWER DOOR OPERATING

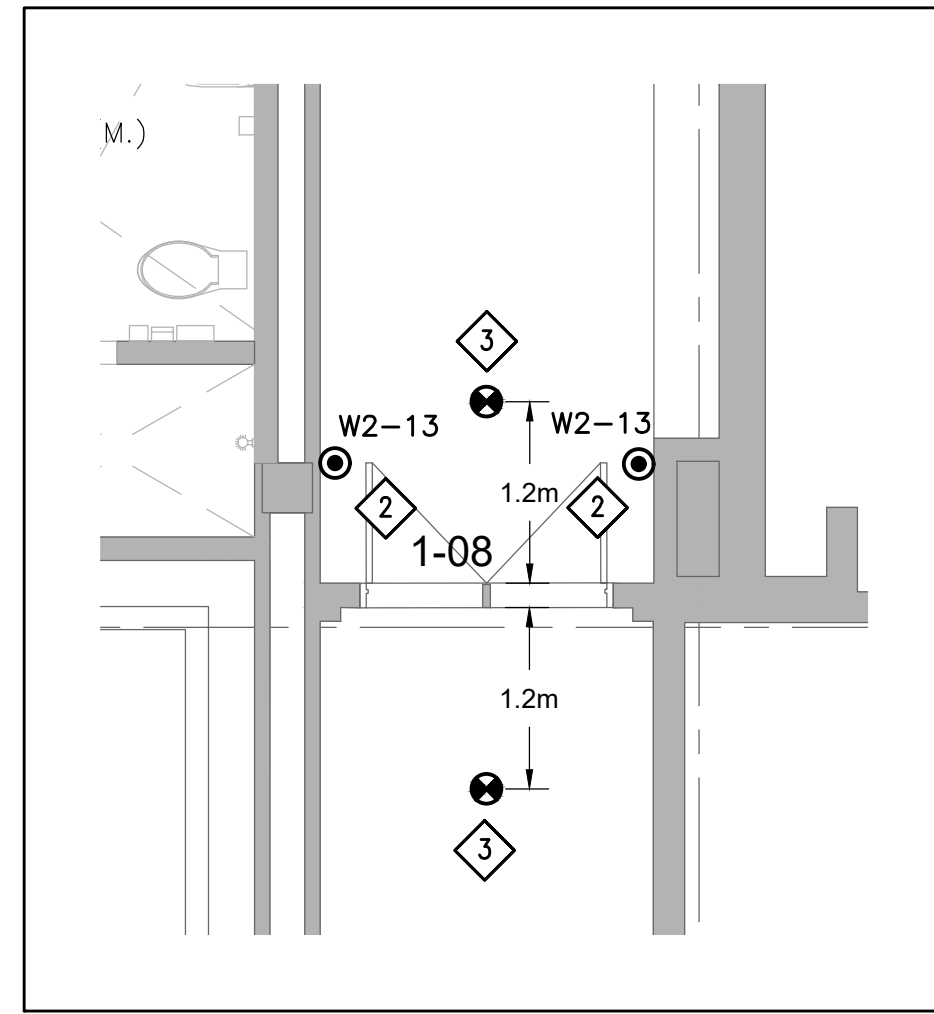
E404



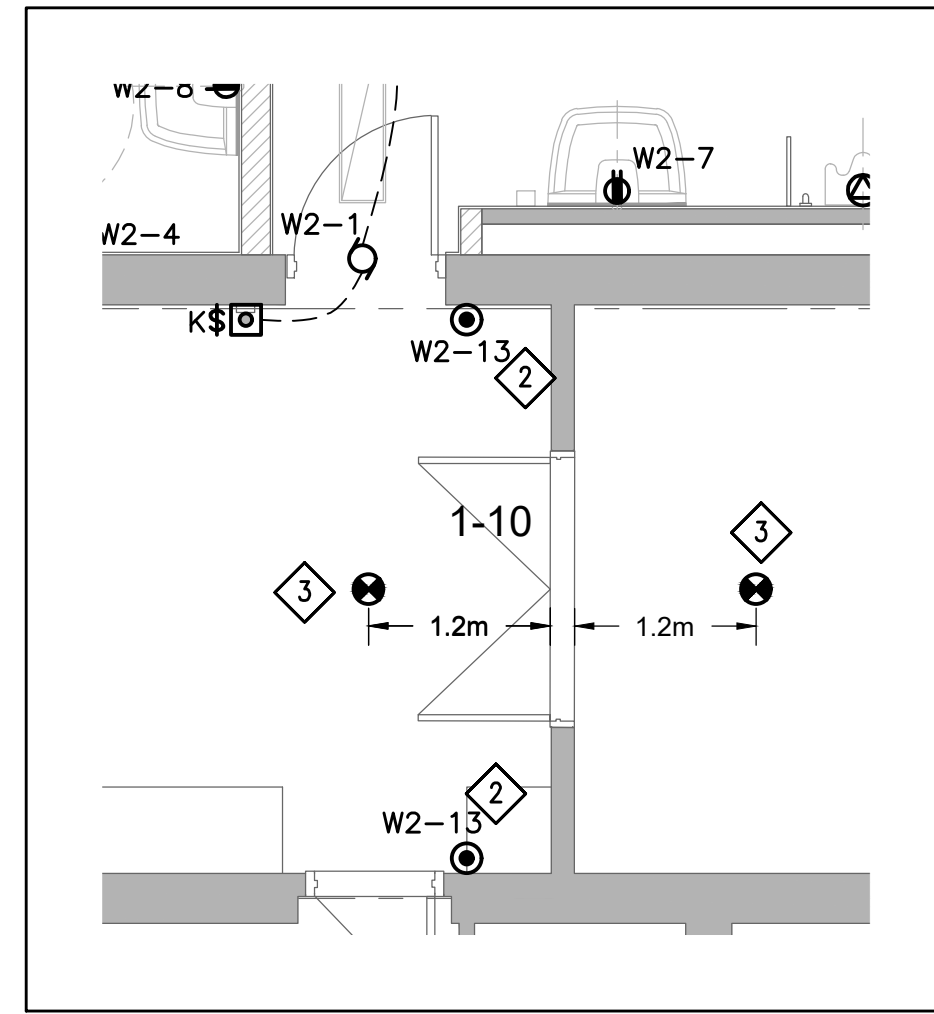
1 FIRST FLOOR - DOOR 1-02
1:50



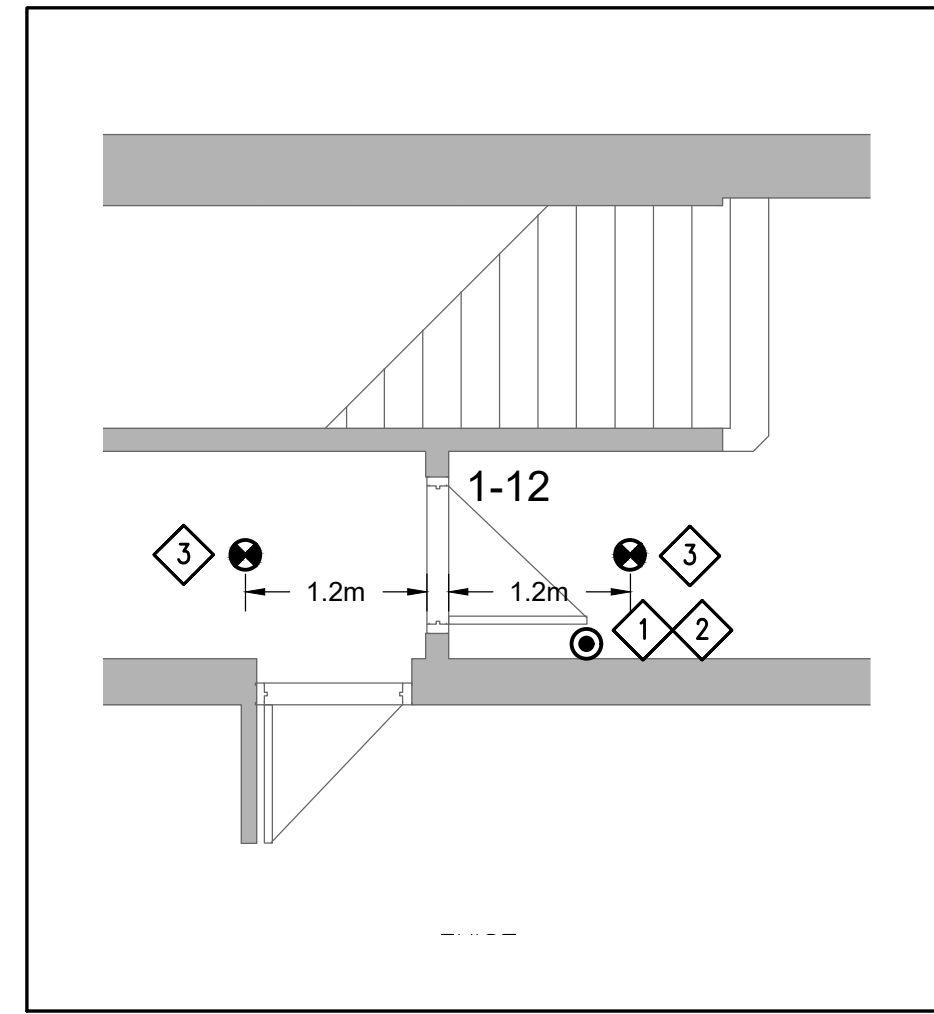
2 FIRST FLOOR - DOOR 1-06
1:50



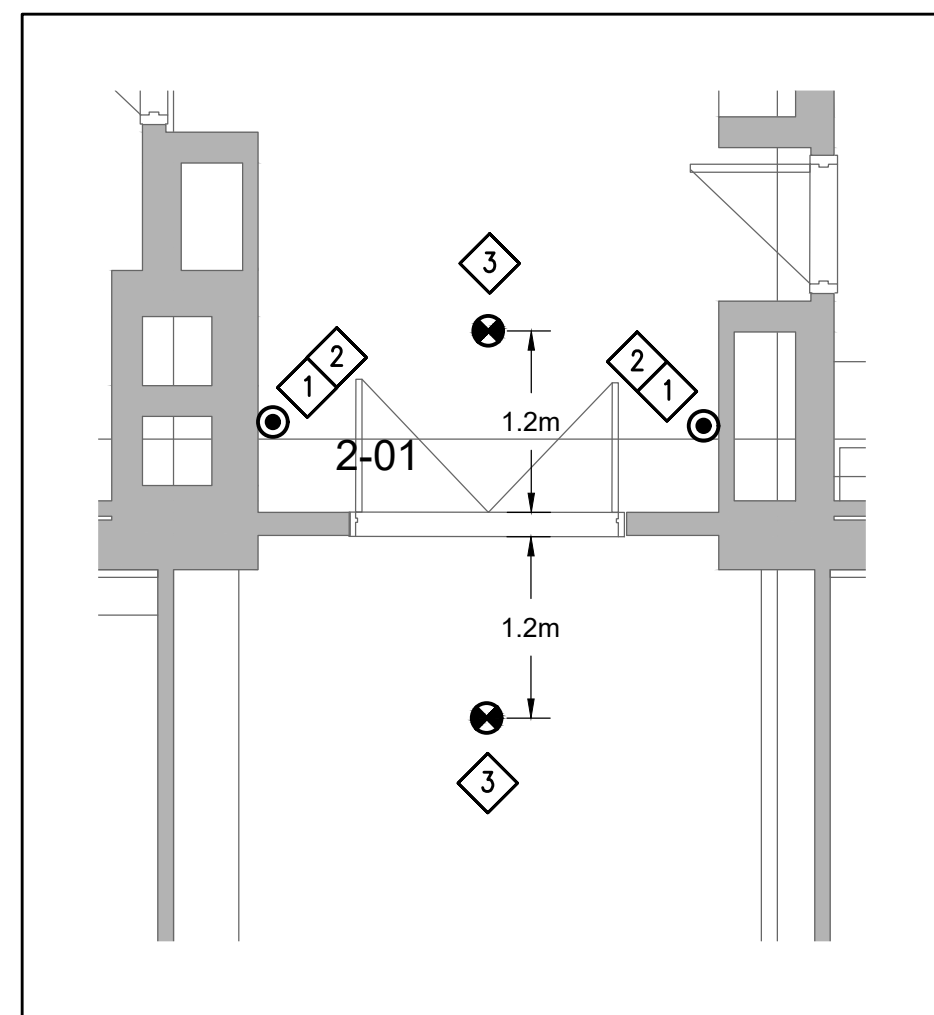
3 FIRST FLOOR - DOOR 1-08
1:50



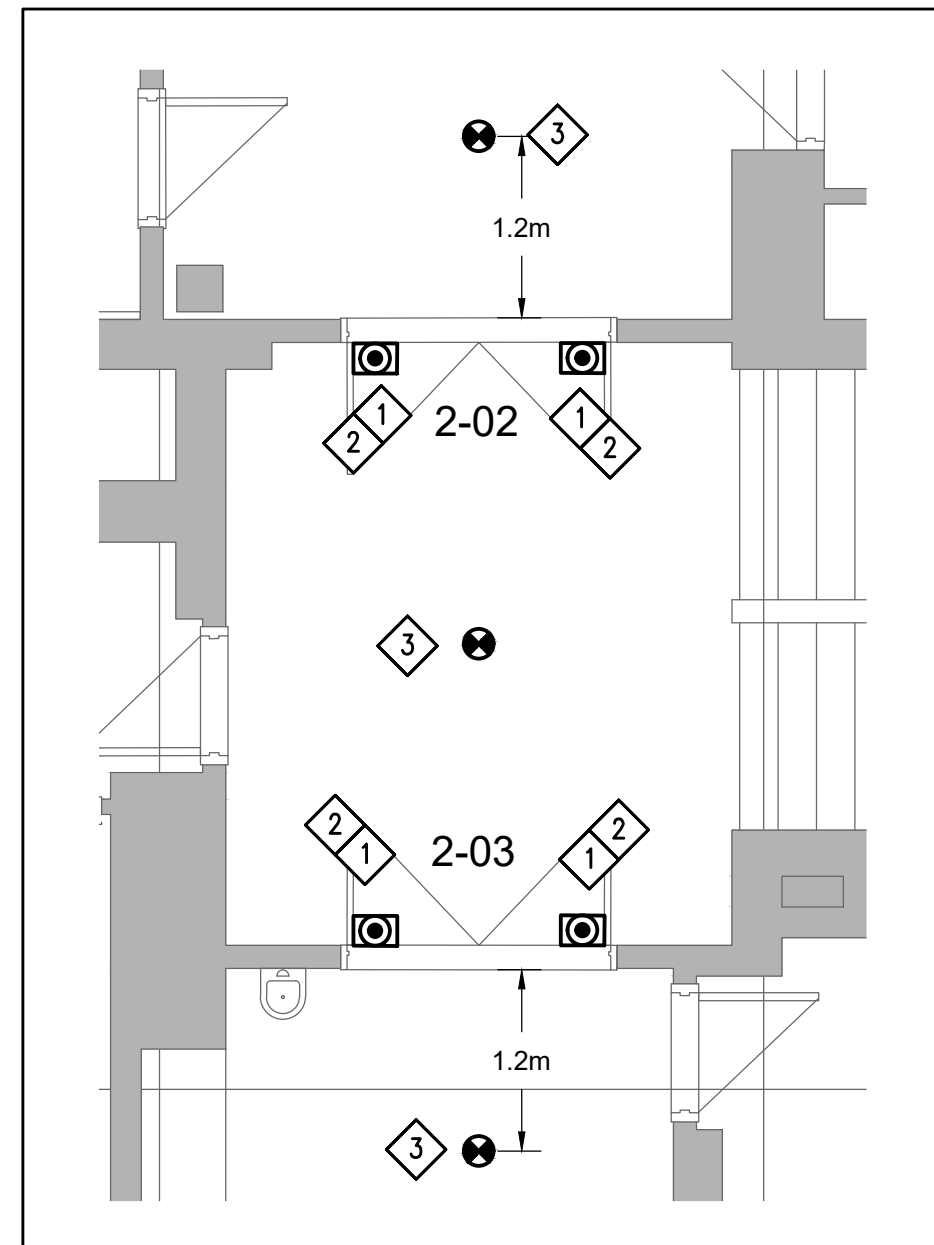
4 FIRST FLOOR - DOOR 1-10
1:50



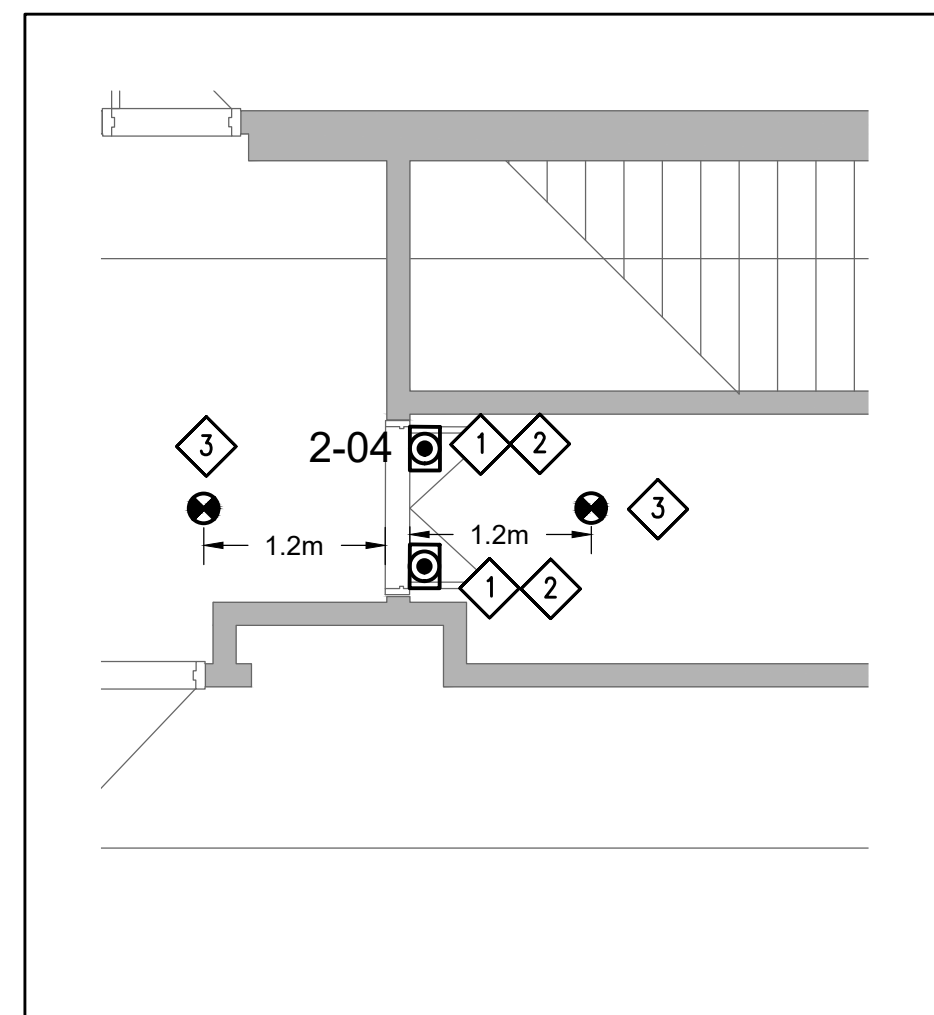
5 FIRST FLOOR - DOOR 1-12
1:50



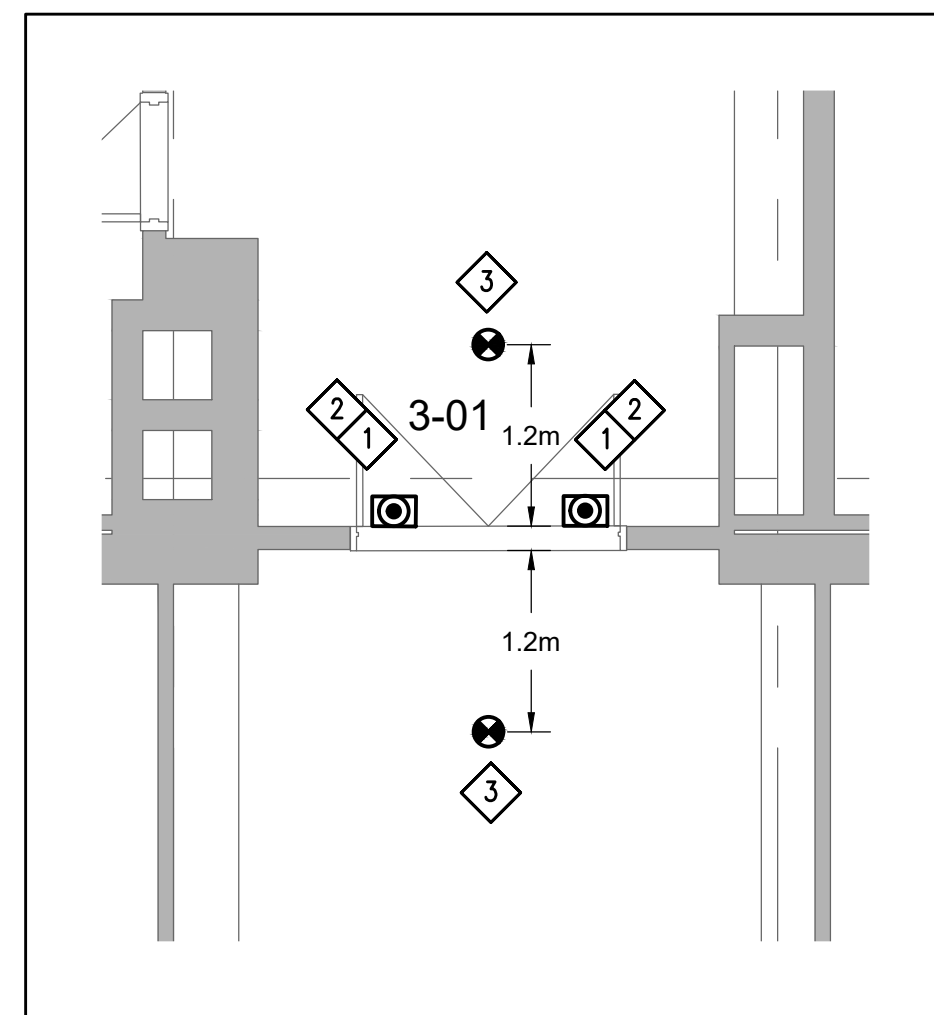
6 SECOND FLOOR - DOOR 2-01
1:50



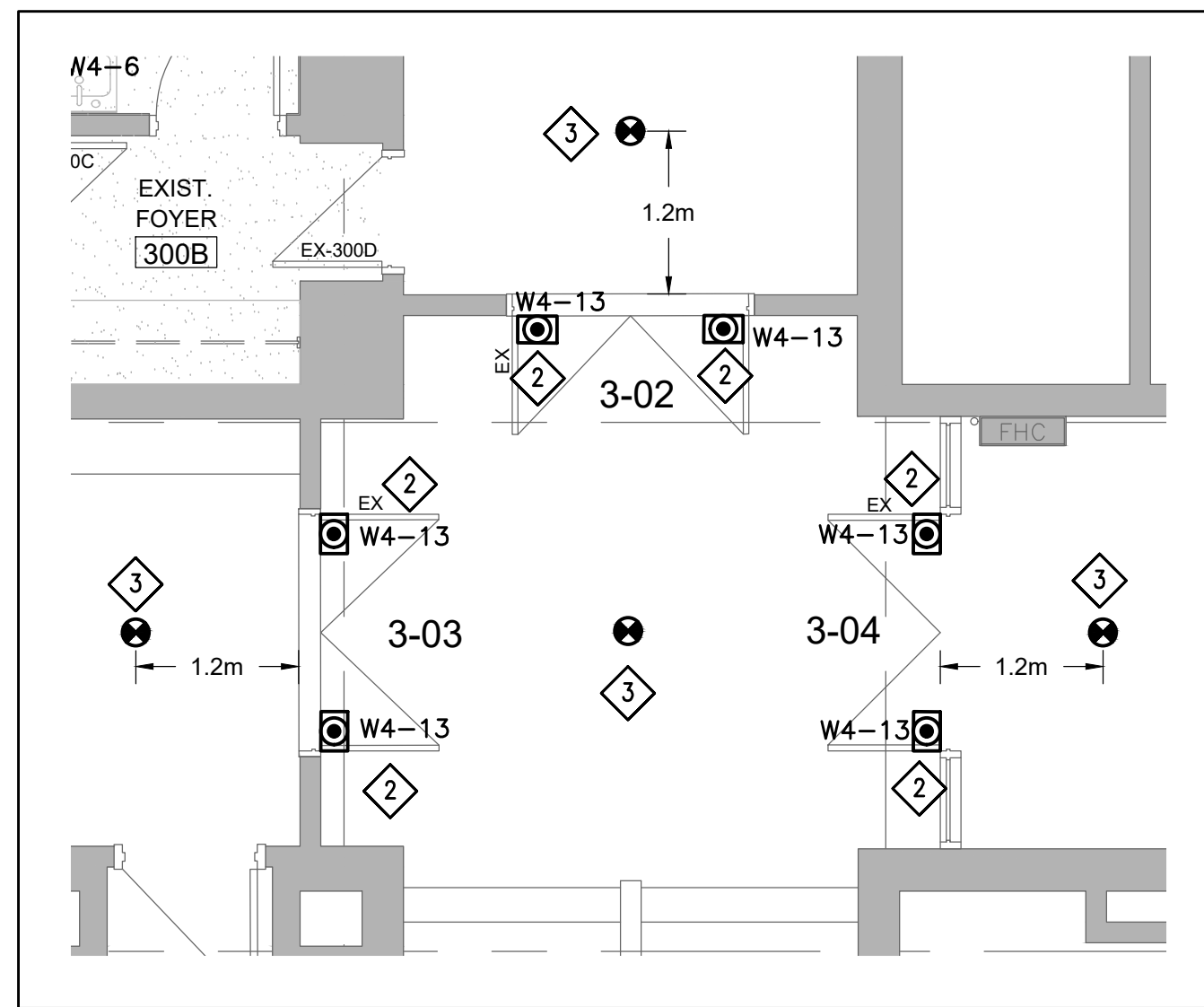
7 SECOND FLOOR - DOOR 2-02 & 2-03
1:50



8 SECOND FLOOR - DOOR 2-04
1:50



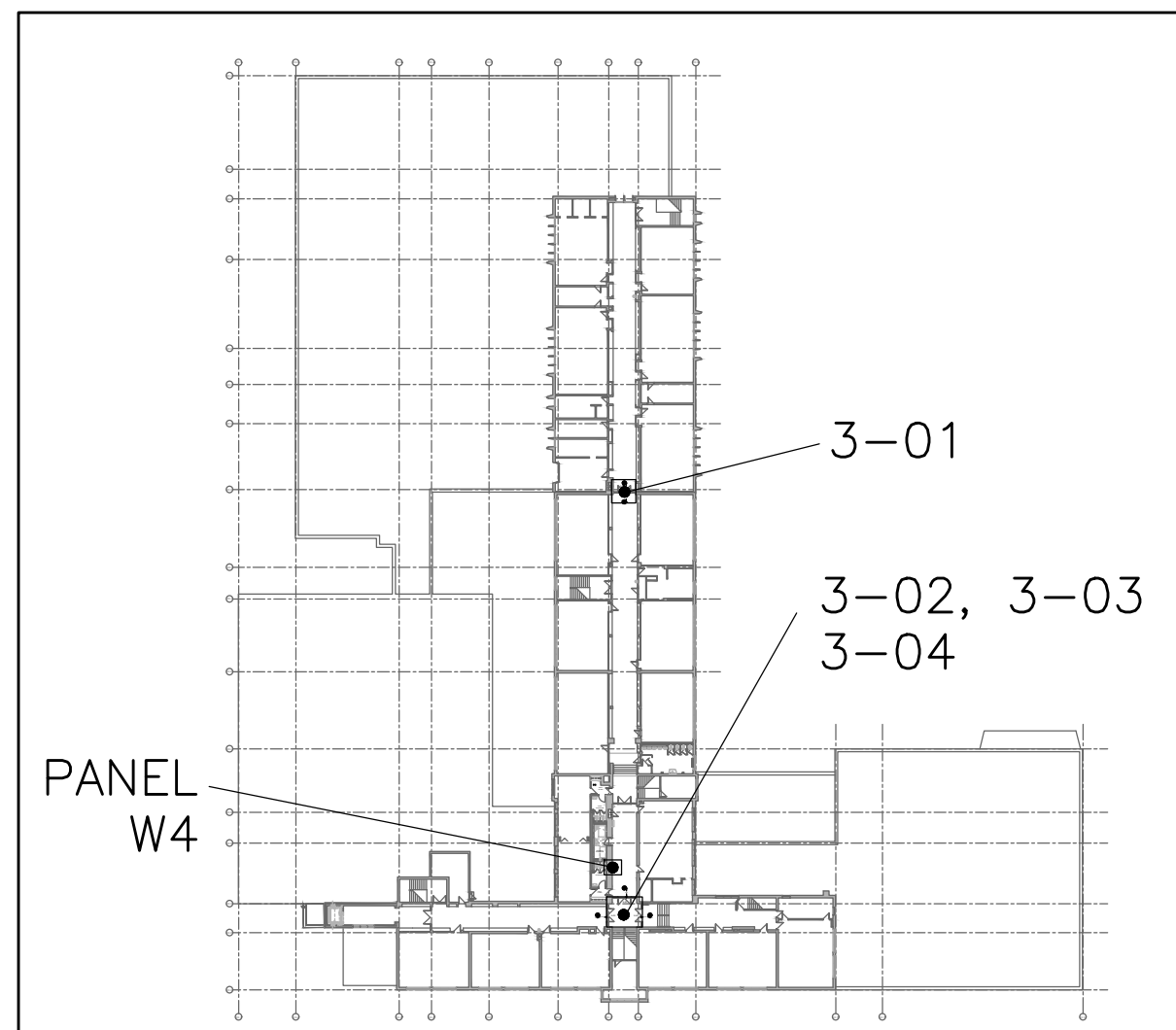
9 SECOND FLOOR - DOOR 3-01
1:50



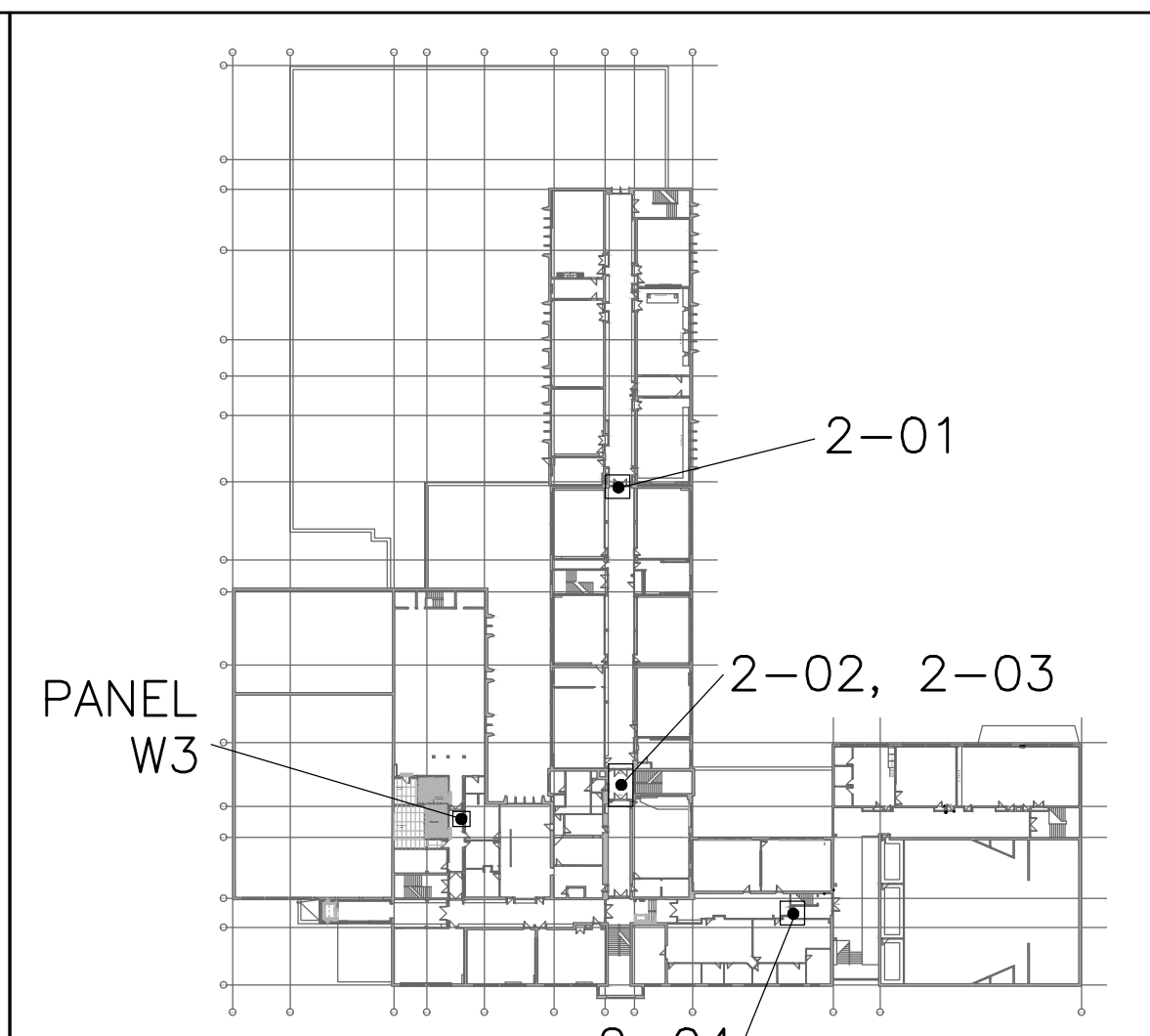
10 SECOND FLOOR - DOOR 3-02 & 3-03 & 3-04
1:50

DRAWING KEYNOTES:

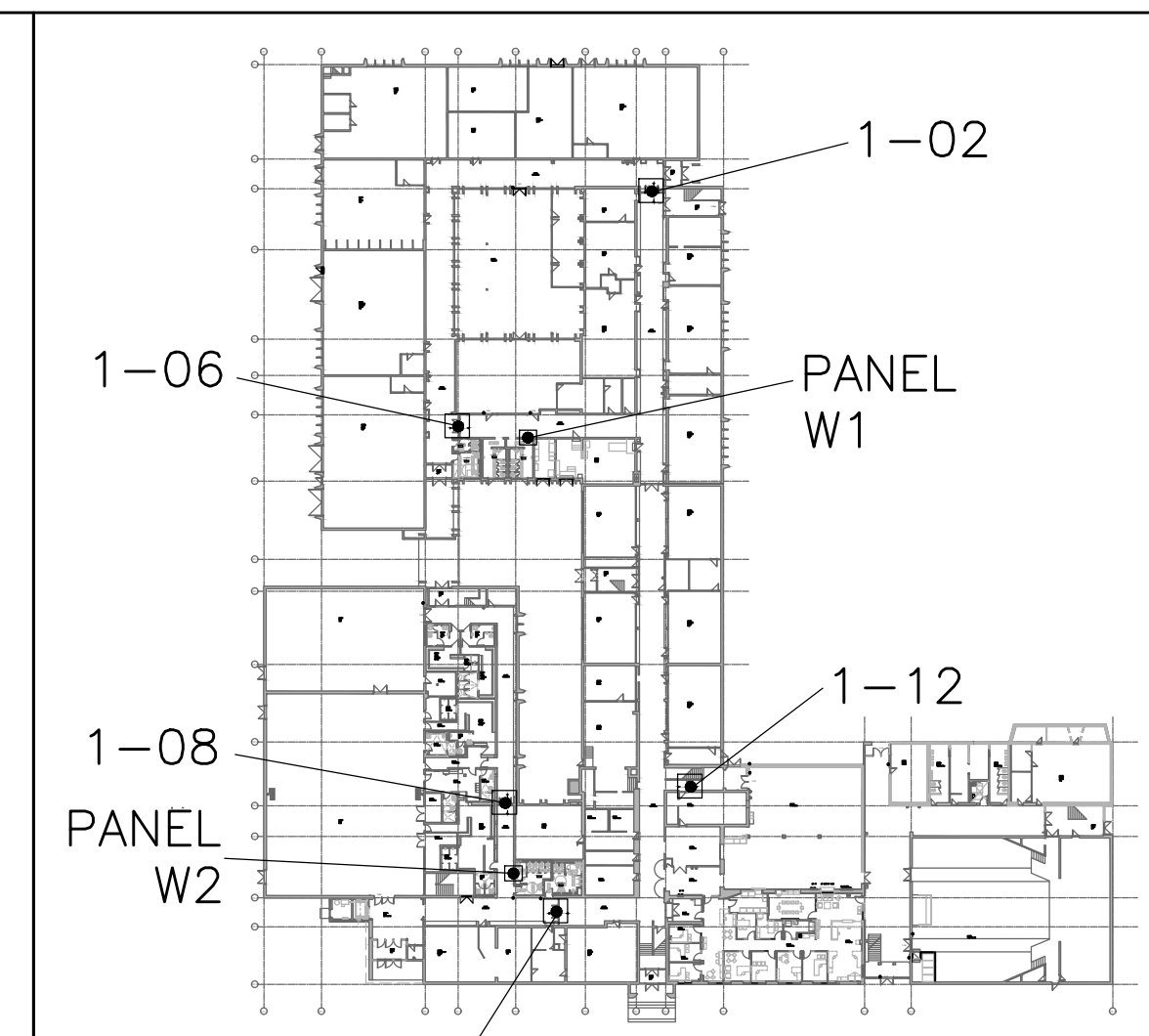
- 1 PROVIDE 120V CIRCUIT FROM NEAREST PANEL, WIRE MAXIMUM 3 DOOR HOLD OPEN DEVICE ON SAME BRANCH CIRCUIT BREAKER.
- 2 WIRE DOOR HOLD OPEN DEVICE TO FIRE ALARM CONTROL MODULE TO RELEASE UPON ACTIVATION OF THE FIRE ALARM.
- 3 SUPPLY AND INSTALL NEW SMOKE DETECTORS. WIRE TO EXISTING P/A ZONE.



THIRD FLOOR KEY PLAN
SCALE 1:1000



SECOND FLOOR KEY PLAN
SCALE 1:1000



FIRST FLOOR KEY PLAN
SCALE 1:1000

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1.	ISSUED FOR PROGRESS	23.04.28

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PROJECT
**BURLINGTON CENTRAL
H.S. RENOVATIONS**
1433 Baldwin Street Burlington, ON

DRAWN	PROJECT NO
YC	2005

CHECKED	ENG PROJECT NO.
PI	23008

SCALE
1 : 50



DRAWING

DOOR HOLD OPEN DEVICES
LOCATION FOR EXISTING AND
REPLACED DOORS

E405

Burlington Central H.S. Renovations

Legend:






-  Link to catalog cut sheet
-  Electrified Opening

Hardware Group No. 01

For use on Door #(s):

1-01

Provide each door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	ELECTRIC STRIKE	6300 FSE 12/24 VAC/VDC		↘ 630	VON
1	EA	SURF. AUTO OPERATOR	9542 MS AS REQ (120/240 VAC)		↘ ANCLR	LCN
1	EA	SWITCH	8310-806K		↘	LCN
2	EA	ACTUATOR, TOUCH	8310-852		↘ 630	LCN
2	EA	SURFACE MOUNT BOX	8310-869S			LCN




NOTE: CONFIRM WITH SCHOOL BOARD FOR OPERATION, FOR EXIT ONLY?

Hardware Group No. 02

For use on Door #(s):

1-02 1-06 1-08 1-10 2-01

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	FIRE/LIFE WALL MAG	SEM7850		689	LCN
2	EA	COUPLER ASSEMBLY KIT	SEM7810-514		689	LCN
2	EA	MAGNETIC PART EXTENSION	SEM7810-E___ TO SUIT		689	LCN




NOTE: GC TO COORDINATE LENGTH OF EXTENSION FOR MAGNETIC WALL HOLDER TO SUIT CONDITIONS.

Hardware Group No. 03

For use on Door #(s):

1-03

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	SURF. AUTO OPERATOR	9531 MS AS REQ (120/240 VAC)		↘ ANCLR	LCN
2	EA	ACTUATOR, TOUCH	8310-852		↘ 630	LCN
2	EA	SURFACE MOUNT BOX	8310-869S			LCN
1	EA	MOUNTING PLATE	9530-18 X LENGTH		689	LCN






Burlington Central H.S. Renovations

Hardware Group No. 04

For use on Door #(s):

1-04 1-05 2-06

Provide each door(s) with the following:






QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	ELECTRIC STRIKE	8300		630	HES
1	EA	SURF. AUTO OPERATOR	9542 MS AS REQ (120/240 VAC)		↗ ANCLR	LCN
1	EA	SWITCH	8310-806R		↗	LCN
2	EA	ACTUATOR, TOUCH	8310-852		↗ 630	LCN
2	EA	SURFACE MOUNT BOX	8310-869S			LCN
1	EA	MOUNTING PLATE	9540-18 X LENGTH		689	LCN

Hardware Group No. 05

For use on Door #(s):

1-07

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	SURFACE CLOSER	4040XP EDA ST-3068		689	LCN
1	EA	SURF. AUTO OPERATOR	9531 MS AS REQ (120/240 VAC)		↗ ANCLR	LCN
1	EA	SWITCH	8310-806R		↗	LCN
2	EA	ACTUATOR, TOUCH	8310-852		↗ 630	LCN
2	EA	SURFACE MOUNT BOX	8310-869S			LCN
1	EA	MOUNTING PLATE	9530-18 X LENGTH		689	LCN

NOTE: REPLACE EXISTING PA CLOSER, RHR LEAF WITH 4040XP EDA.

Burlington Central H.S. Renovations

Hardware Group No. 06

For use on Door #(s):

1-09

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
6	EA	HINGE	5BB1 114X102MM		652	IVE
3	EA	HINGE	5BB1SC 114MM		652	IVE
1	EA	FIRE RATED REMOVABLE MULLION	KR9954 X 499F		689	VON
3	EA	FIRE EXIT HARDWARE	98-L-F-06		626	VON
1	EA	MORTISE CYLINDER	20-001 114		626	SCH
3	EA	RIM CYLINDER	20-021		626	SCH
1	EA	ELECTRIC STRIKE	6300 FSE 12/24 VAC/VDC		↗ 630	VON
2	EA	OH STOP	100S		630	GLY
1	EA	OH STOP	100S ADJ		630	GLY
2	EA	SURFACE CLOSER	4040XP EDA ST-3068		689	LCN
1	EA	SURF. AUTO OPERATOR	4642 WMS 120 VAC		↗ 689	LCN
2	EA	ACTUATOR, TOUCH	8310-852		↗ 630	LCN
2	EA	SURFACE MOUNT BOX	8310-869S			LCN
3	EA	KICK PLATE	8400 205MM X SIZE TO SUIT		630	IVE
3	EA	GASKETING	188SBK PSA		BK	ZER

NOTE: NEW DOORS, 1 PAIR, 1 SINGLE. SWING CLEAR HINGES, ELECTRIC STRIKE AND AUTO DOOR OPERATOR FOR SINGE LEAF DOOR.

NOTE: CONFIRM FIXED OR REMOVEABLE MULLION, BOTH LISTED IN DOOR SCHEUDLE

NOTE: SUPPLY CYLINDERS 6 PIN "C" KEYWAY, 1 BITTED, OWNER TO RE-KEY TO SCHOOL SYSTEM

Hardware Group No. 07

For use on Door #(s):

2-02 2-03 2-04 3-01 3-02 3-03
3-04

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	FIRE/LIFE CLOSER	4040SE WMS AC/DC		↗ 689	LCN
1	EA	TRANSFORMER	4040SE-3210		↗ UNF	LCN




Burlington Central H.S. Renovations

Hardware Group No. 08

For use on Door #(s):

1-12

Provide each door(s) with the following:














QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	FIRE/LIFE WALL MAG	SEM7850		689	LCN
1	EA	COUPLER ASSEMBLY KIT	SEM7810-514		689	LCN
1	EA	MAGNETIC PART EXTENSION	SEM7810-E___ TO SUIT		689	LCN

Hardware Group No. 09

For use on Door #(s):

1-13

Provide each door(s) with the following:





QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
6	EA	HINGE	5BB1HW 114X114MM		652	IVE
1	EA	FIRE RATED REMOVABLE MULLION	KR9854 X 499F		689	VON
2	EA	FIRE EXIT HARDWARE	98-L-F-06		626	VON
1	EA	MORTISE CYLINDER	20-001 114		626	SCH
2	EA	RIM CYLINDER	20-021		626	SCH
1	EA	ELECTRIC STRIKE	6111 FSE CON 12/24 VAC/VDC		✓ 630	VON
1	EA	SURFACE CLOSER	4040XP EDA ST-3068		689	LCN
1	EA	SURF. AUTO OPERATOR	9542 MS AS REQ (120/240 VAC)		✓ ANCLR	LCN
1	EA	SWITCH	8310-806R		✓	LCN
2	EA	ACTUATOR, TOUCH	8310-852		✓ 630	LCN
2	EA	SURFACE MOUNT BOX	8310-869S			LCN
1	EA	MOUNTING PLATE	9540-18 X LENGTH		689	LCN
2	EA	KICK PLATE	8400 205MM X SIZE TO SUIT		630	IVE
2	EA	WALL STOP	WS406/407CVX		630	IVE
2	EA	GASKETING	188SBK PSA		BK	ZER
1	EA	WIRE HARNESS	CON-6W		✓	SCH

Hardware Group No. 10

For use on Door #(s):

1-11 1-17 103A

Provide each door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	SURF. AUTO OPERATOR	9542 MS AS REQ (120/240 VAC)		✓ ANCLR	LCN
1	EA	SWITCH	8310-806R		✓	LCN
2	EA	ACTUATOR, TOUCH	8310-852		✓ 630	LCN
2	EA	SURFACE MOUNT BOX	8310-869S			LCN
1	EA	MOUNTING PLATE	9540-18 X LENGTH		689	LCN

Burlington Central H.S. Renovations

Hardware Group No. 11

For use on Door #(s):

1-16

Provide each door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	ELECTRIC STRIKE	6300 FSE 12/24 VAC/VDC		✓ 630	VON
1	EA	SURF. AUTO OPERATOR	9531 MS AS REQ (120/240 VAC)		✓ ANCLR	LCN
2	EA	SWITCH	8310-806R		✓	LCN
2	EA	ACTUATOR, TOUCH	8310-852		✓ 630	LCN
2	EA	SURFACE MOUNT BOX	8310-869S			LCN
1	EA	MOUNTING PLATE	9530-18 X LENGTH		689	LCN

NOTE: MOUNT AUTO DOOR OPERATOR TO TRANSOM PANEL. GC TO REVIEW IF MOUNTING CAN BE DONE.

Hardware Group No. 12

For use on Door #(s):

2-05

Provide each door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	SURF. AUTO OPERATOR	9542 MS AS REQ (120/240 VAC)		✓ ANCLR	LCN
2	EA	ACTUATOR, TOUCH	8310-852		✓ 630	LCN
2	EA	SURFACE MOUNT BOX	8310-869S			LCN
1	EA	MOUNTING PLATE	9540-18 X LENGTH		689	LCN

Hardware Group No. 13

For use on Door #(s):

100A 100B

Provide each door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1HW 127X114MM		652	IVE
1	EA	CLASSROOM LOCK	ND70P6D RHO		626	SCH
1	EA	ELECTRIC STRIKE	6211 FSE CON		✓ 630	VON
1	EA	OH STOP	100S ADJ		630	GLY
1	EA	SURF. AUTO OPERATOR	9542 MS AS REQ (120/240 VAC)		✓ ANCLR	LCN
1	EA	SWITCH	8310-806R		✓	LCN
2	EA	ACTUATOR, TOUCH	8310-852		✓ 630	LCN
2	EA	SURFACE MOUNT BOX	8310-869S			LCN
1	EA	MOUNTING PLATE	9540-18 X LENGTH		689	LCN
1	EA	KICK PLATE	8400 205MM X SIZE TO SUIT		630	IVE
1	EA	GASKETING	188SBK PSA		BK	ZER
1	EA	WIRE HARNESS	CON-6W		✓	SCH










Burlington Central H.S. Renovations

Hardware Group No. 14

For use on Door #(s):

100C 301

Provide each door(s) with the following:








QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 127X114MM		652	IVE
1	EA	STOREROOM LOCK	ND80P6D RHO		626	SCH
1	EA	ELECTRIC STRIKE	6211 FSE CON		↗ 630	VON
1	EA	SURF. AUTO OPERATOR	9131 MS AS REQ (120 VAC)		↗ ANCLR	LCN
1	EA	PUSH TO LOCK BUTTON ILLUMINATED W/SIGNAGE	CM45/8/GRS/SE1		↗ 630	CAM
2	EA	ACTUATOR 4.5" ILLUMINATED W/SIGNAGE	CM45/4/GRS/SE1		↗ 630	CAM
1	EA	KICK PLATE	8400 205MM X SIZE TO SUIT		630	IVE
1	EA	LED ANNUNCIATOR	CM-AF500		↗	CAM
1	EA	FLOOR STOP	FS439		630	IVE
1	EA	ADVANCED LOGIC RELAY	CX-33			CAM
1	EA	EMERGENCY CALL KIT	CX-WEC10K2			CAM
1	EA	WIRE HARNESS	CON-6W		↗	SCH
1	EA	DOOR CONTACT	679-05HM		↗ BLK	SCE
1	EA	POWER SUPPLY	PS902 900-8F 120/240 VAC		↗	VON

Hardware Group No. 15

For use on Door #(s):

100D

Provide each door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 127X114MM		652	IVE
1	EA	CLASSROOM LOCK	ND70P6D RHO		626	SCH
1	EA	STOREROOM LOCK	ND80P6D RHO		626	SCH
1	EA	SURFACE CLOSER	4040XP REG		689	LCN
1	EA	KICK PLATE	8400 205MM X SIZE TO SUIT		630	IVE
1	EA	WALL STOP	WS406/407CVX		630	IVE
1	EA	GASKETING	188SBK PSA		BK	ZER






Burlington Central H.S. Renovations

Hardware Group No. 16

For use on Door #(s):

200A 200B

Provide each door(s) with the following:






QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1HW 127X114MM		652	IVE
1	EA	CLASSROOM LOCK	ND70P6D RHO		626	SCH
1	EA	KICK PLATE	8400 205MM X SIZE TO SUIT		630	IVE
1	EA	WALL STOP	WS406/407CVX		630	IVE
1	EA	GASKETING	188SBK PSA		BK	ZER

Hardware Group No. 17

For use on Door #(s):

200C

Provide each door(s) with the following:






QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 114X102MM		652	IVE
1	EA	STOREROOM LOCK	ND80PD RHO		626	SCH
1	EA	SURFACE CLOSER	4040XP DEL REG		622	LCN
1	EA	KICK PLATE	8400 205MM X SIZE TO SUIT		630	IVE
1	EA	FLOOR STOP	FS439		630	IVE

Hardware Group No. 18

For use on Door #(s):

301A 301B

Provide each door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 127X114MM		652	IVE
1	EA	CLASSROOM LOCK	ND70P6D RHO		626	SCH
1	EA	SURFACE CLOSER	4040XP REG		689	LCN
1	EA	KICK PLATE	8400 205MM X SIZE TO SUIT		630	IVE
1	EA	WALL STOP	WS406/407CVX		630	IVE













Burlington Central H.S. Renovations

Hardware Group No. 19

For use on Door #(s):

1-14

Provide each door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	CONT. HINGE	112XY		628	IVE
1	EA	REMOVABLE MULLION	5754		628	VON
1	EA	PANIC HARDWARE	98-EO		626	VON
1	EA	PANIC HARDWARE	98-NL-OP-110MD		626	VON
1	EA	RIM CYLINDER	20-021		626	SCH
2	EA	45 DEGREE OFFSET PULL	8145EZHD 305MM O		630	IVE
1	EA	SURFACE CLOSER	4021		689	LCN
1	EA	SURF. AUTO OPERATOR	9542 MS AS REQ (120/240 VAC)		↗ ANCLR	LCN
1	EA	MOUNTING PLATE	4020-18G		689	LCN
1	EA	SWITCH	8310-806R		↗	LCN
2	EA	ACTUATOR, TOUCH	8310-852		↗ 630	LCN
2	EA	SURFACE MOUNT BOX	8310-869S			LCN
1	EA	MOUNTING PLATE	9540-18 X LENGTH		689	LCN
1	EA		WEATHERSEAL BY DOOR SUPPLIER			
2	EA	DOOR SWEEP	W-24S		628	KNC
1	EA	THRESHOLD	CT-45		627	KNC

Burlington Central H.S. Renovations

Legend:

↗ Electrified Opening

Door#	HwSet#
1-01 ↗	01
1-02	02
1-03 ↗	03
1-04 ↗	04
1-05 ↗	04
1-06	02
1-07 ↗	05
1-08	02
1-09 ↗	06
1-10	02
1-11 ↗	10
1-12	08
1-13 ↗	09
1-14 ↗	19
1-16 ↗	11
1-17 ↗	10
2-01	02
2-02 ↗	07
2-03 ↗	07
2-04 ↗	07
2-05 ↗	12
2-06 ↗	04
3-01 ↗	07
3-02 ↗	07
3-03 ↗	07
3-04 ↗	07
100A ↗	13
100B ↗	13
100C ↗	14
100D	15
103A ↗	10
200A	16
200B	16
200C	17
301 ↗	14
301A	18
301B	18