

PROPOSED CHANGE NO. SC-03-001

To: Golden Gate Contracting
 1038 Cooke Blvd., Unit #1
 Burlington, ON
 L7T 4A8
 P: 905-844-1122
 F: 905-844-0051

Date: June 12, 2025
File: 9.1.7.4.2_SC-03_PC
Project No.: 2215C
Project: TA Blakelock HS Reno - Phase 3
Subcontract: SC-03 Electrical

Copy: Star Electrical Services Inc
 P: (905) 799-3883
 F: (905) 799-8334

Pursuant to paragraph 6.2.1 of GC 6.2 - CHANGE ORDER in CCDC 3 - 2016, indicate within 7 days of the above date the changes to the *Contract Price*, *Contractor's Fee* 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: Additional receptacle & breaker in Washrooms (ECN No. 01)

Refer to Electrical Change Notice 'ECN No. 01' as prepared by EXP dated June 10, 2025 regarding adding two duplex receptacle and 1 breaker in Washrooms. This also includes clarification regarding revised existing panel location for Elevators.

Prepared by the Consultant

Manasee Shinde



June 12, 2025

Distributed to:

Gurm Sehmbi
 Walter D'Souza
 Felix Martich Vanderhorst
 Tarek Mureiwed
 Sam Al Fahham
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Best Electric Co
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1266 South Service Road, Suite C1-1
Stoney Creek, ON L8E 5R9 CANADA
T: 905.525.6069 • www.exp.com

Change Notice

Date: June 10, 2025

EXP Project No.: ALL-22020201-A0

Project: T. A. Blakelock H.S. Renovations – Phase 3

From: Felix Martich

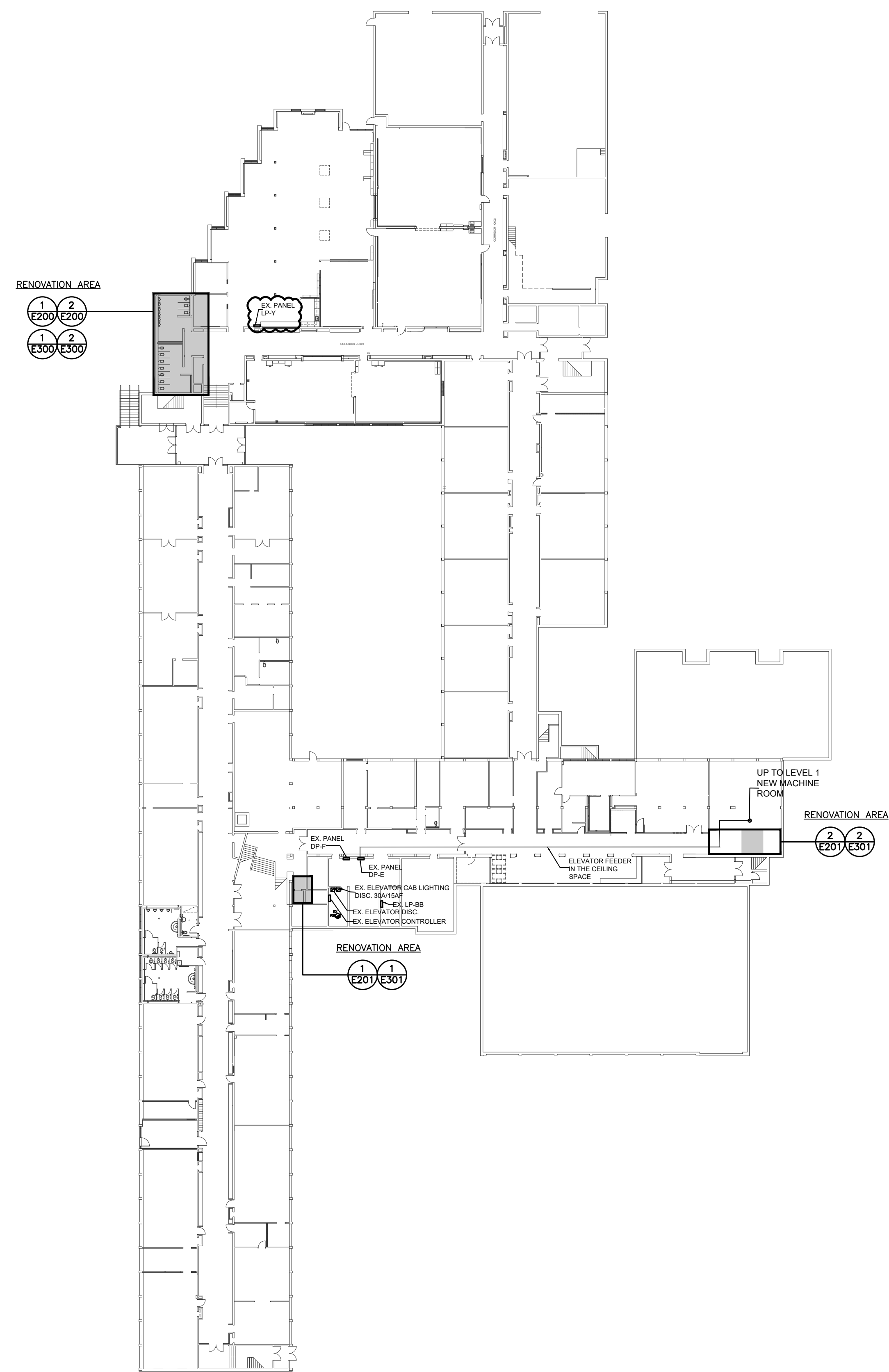
ECN No. 01

You are hereby instructed, subject to the provisions of the Contract, to submit a quotation for the following Changes:

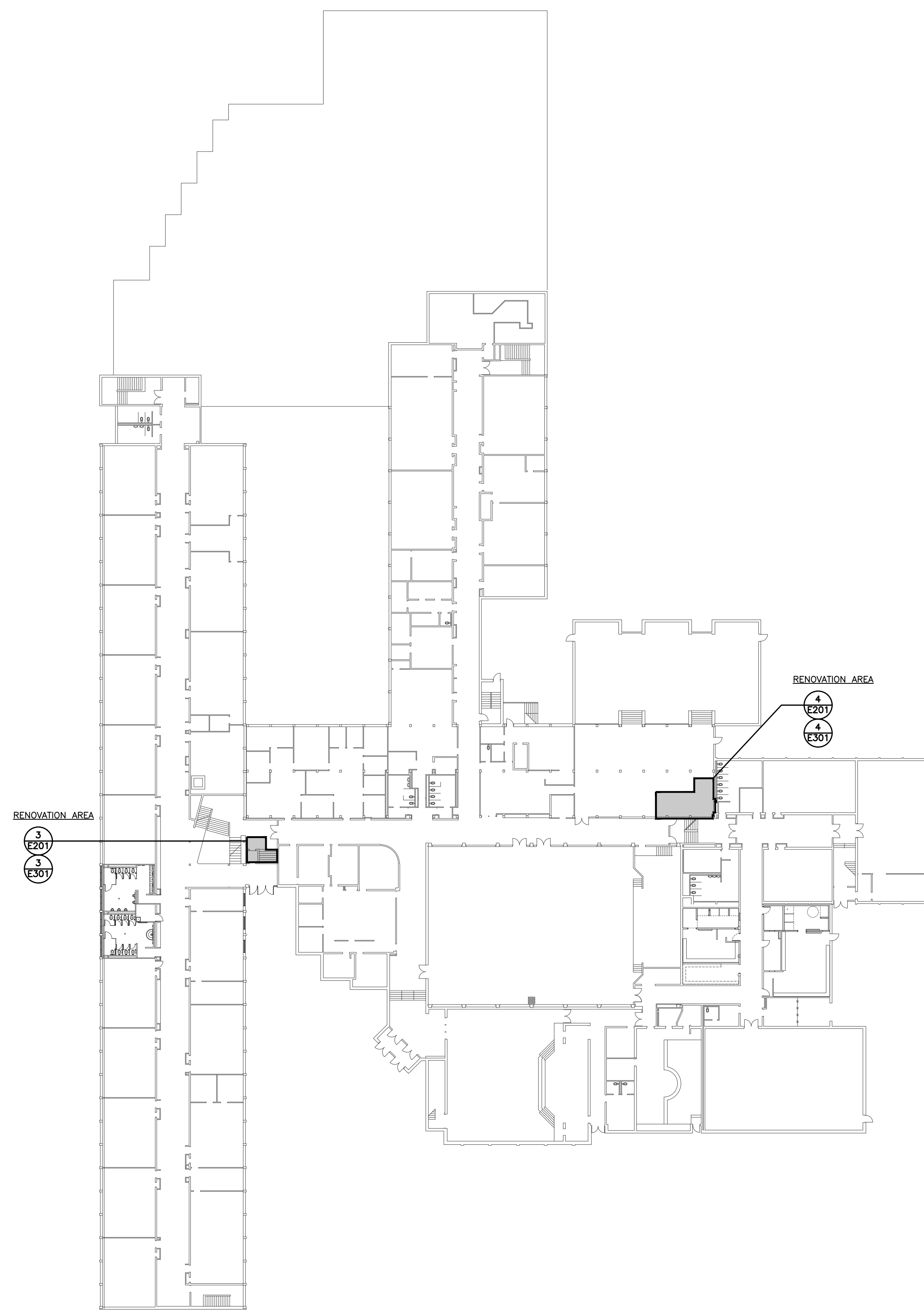
ELECTRICAL

1. **Drawing E100 – Electrical & Lighting Legends and Drawing List (Drawing Issued with this change notice)**
 1. **Clarification:** Existing panel 'LP-Y' shown on Level 0 key plan.
2. **Drawing E300 – Level 0 – Washroom Lighting & Power Proposed Plan (Drawing Issued with this change notice)**
 1. **ADD** two (2) duplex receptacle for plumbing fixtures as shown.
 2. **ADD** one (1) 15A.1P breaker to feed all plumbing circuits in Male & Female washroom as shown. Revise drawing note #4, drawing note #6 & drawing note #9 as shown.
 3. Panel 'LP-Y' schedule added to the drawing.
3. **Drawing E301 – Partial Level 0, 1 & 2 Elevator – Proposed Plan (Drawing Issued with this change notice)**
 1. **Clarification:** Revised existing panel 'MU-PP-B' location as shown.

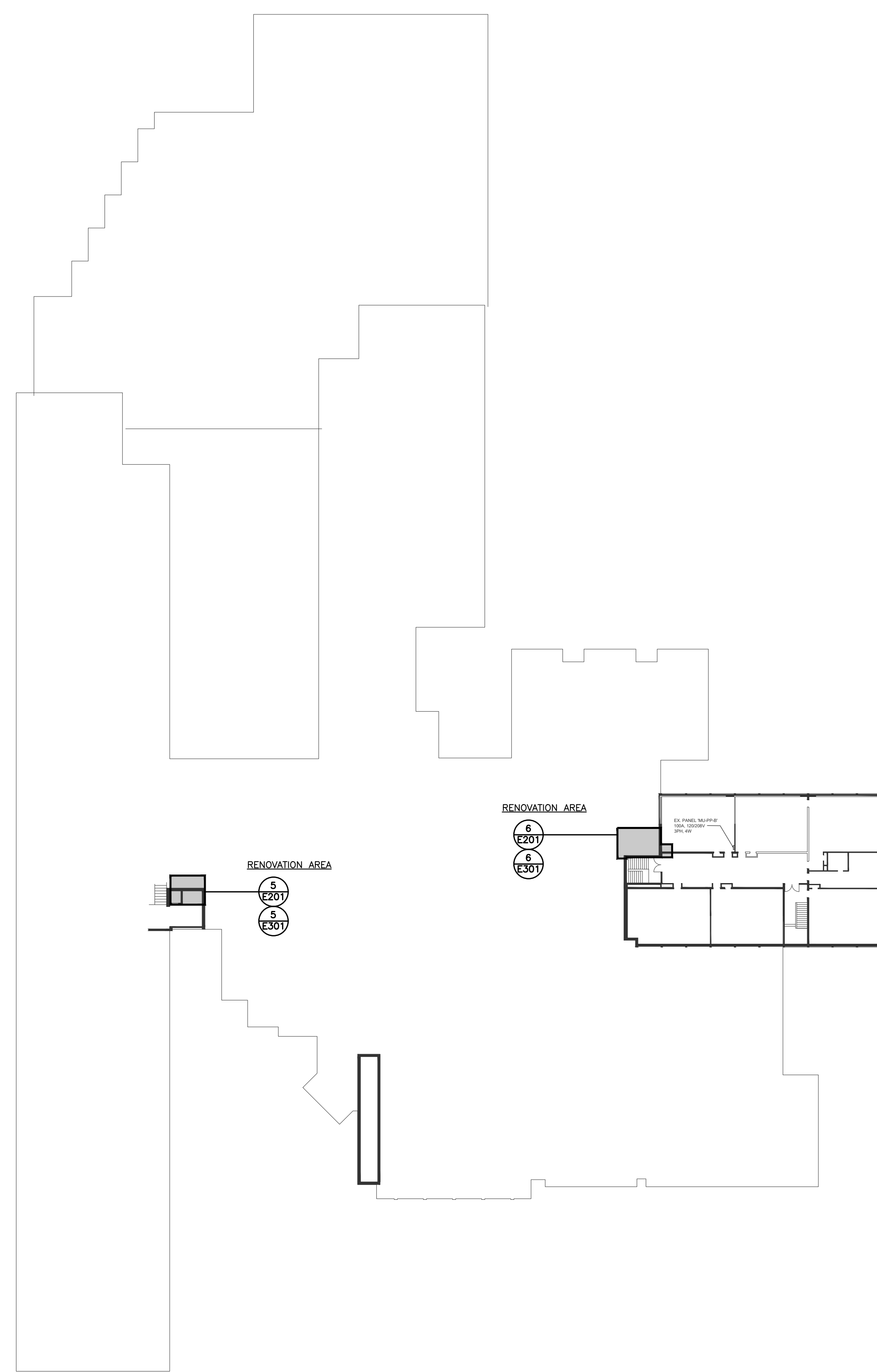
Reason: School Board's Request



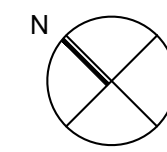
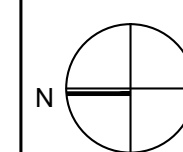
1 LEVEL 0 KEY PLAN
E100 1:400



2 LEVEL 1 KEY PLAN
E100 1:400



3 LEVEL 2 KEY PLAN
E100 1:400



Project North

True North

[illegible]

General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the Architect for construction.

Drawing Title:
**ELECTRICAL & LIGHTING
LEGENDS AND
DRAWING LIST**

Scale:	MTS	Date:	2025.02.02
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Drawn by:	ADD	Checked by:	EMU
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Drawn by:	ABS	Checked by:	FMV
_____	_____	_____	_____

Job No.	Drawing No.
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ALL-22020201	F100
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	7100
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UNLESS INDICATED OTHERWISE, WIRE ALL NEW LIGHTING FIXTURE IN THIS ROOM TO EXISTING ROOM LIGHTING BRANCH CIRCUIT WIRING MADE AVAILABLE/SPARE BY THE DEMOLITION AND THROUGH NEW LIGHTING CONTROL DEVICES AND CONTROL ZONES AS INDICATED ON PLANS. MODIFY AND EXTEND EXISTING BRANCH CIRCUIT WIRING AS REQUIRED.

USE EXISTING CIRCUIT TO FEED THE NEW RUNNING MAN EXIT SIGN. PROVIDE ADDITIONAL CONDUIT/WIRING AS REQUIRED.

[illegible]

EXP
1266 S. Service Rd,
Stoney Creek, Ontario, L8E 5R9
Tel: 905-525-6069

- A DRAWING ILLUSTRATING LAYOUT AND NOT NECESSARILY REPRESENTING ALL REQUIRED CONTROL COMPONENTS, PLANT WIRING METHODS AND FUTURE MODIFICATION LOCATIONS. MANUFACTURERS ARE TO BE CONSULTED FOR THE APPROPRIATE ELECTRICAL DRAWINGS FOR THE SPECIFIC APPLICATIONS. REFER TO THE APPROPRIATE ELECTRICAL DRAWINGS FOR THE SPECIFIC APPLICATIONS.
- B. EXT. SENSORS ARE TO BE MOUNTED USING THE FOLLOWING APPROACH: NO MORE THAN 300MM AFF AND NO MORE THAN 1200MM AFF.
- C. CELLING MOUNTED DUAL TECHNOLOGY (DT) SENSORS ARE TO BE MOUNTED NO HIGHER THAN 300MM AFF.
- D. CONTROL DEVICES SHALL BE MOUNTED IN ACCESSIBLE LOCATIONS ABOVE THE CEILING. CONTROL DEVICES ARE INSTALLED INWARD CELLS CONTROL DEVICES SHALL BE MOUNTED WITHIN THE FUTURE DIVER CONDUIT OR BE MOUNTED TO THE NEAREST ACCESSIBLE CONDUIT. THE CONDUIT SHALL BE USED AS THE SUPPORT FOR THE CORRESPONDING CONTROL ZONE AND POWER CIRCUIT.
- E. CONTROL DEVICES SHALL BE MOUNTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND IF THEY ARE CAPABLE OF OPERATING PROPERLY WITHOUT THE NEED FOR A BACKUP POWER SUPPLY. IF THE CONTROL DEVICES ARE NOT CAPABLE OF OPERATING PROPERLY WITHOUT A BACKUP POWER SUPPLY, THE CONTROL DEVICES SHALL BE MOUNTED WITHIN 600mm OF THE WALL OR CHASSIS.
- F. CIRCUITS USED ARE FOR CIRCUITING PURPOSE ONLY. ONLY NEW MAIN FEATURES AND NEW SUB-MAIN FEATURES ARE TO BE INSTALLED. ALL EXISTING MAIN FEATURES AS INDICATED, INCLUDING THE SPACES POWERED (NOT IN CONTRACT) IS SHOWN (GROSS) AND THE SPACES POWERED (NOT IN CONTRACT) IS YET TO BE POWERED. TO START OF DEMOLITION WORK.
- G. ALLOW AN PRICE FOR TEMPORARILY REMOVING CEILING LIGHTS. LIGHT FIXTURES ON AN ORDER TO INSTALL THE REEDED CONDUIT IN CEILING SPACE.

A PRIOR TO WORK, ELECTRICAL CONTRACTOR SHALL VISIT SITE TO BE FAMILIAR W/ ALL EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO EQUIPMENT LOCATIONS, CONDUIT ROUTES, AND CONDUIT SCHEDULES. CONTRACTOR SHALL OBTAIN ANY NECESSARY REQUIRED PERMITS.

B ALL CONDUIT ROUTES SHOWN ON DRAWINGS ARE APPROXIMATE AND NOT FINAL. CONTRACTOR SHALL VERIFY ROUTES TO BE A MINIMUM FOUR (4) INCHES ABOVE FLOOR, AND ALL CONDUIT SHALL BE PROTECTED FROM DAMAGE BY EXISTING OR FUTURE CEILING AND LIGHT FIXTURES. IN ALL WORK AREAS THERE SHALL BE A MINIMUM CEILING SPACE.

C EXTENSIVE NEW WIRING/CONDUIT FOR ALL DEVICES THAT ARE RELOCATED.

D ALL NEW RECEIPTERS IN THE SCHOOL SHALL BE TYPIC RESISTING TYPE.

E REMOVE AND RE-INSTALL ALL EXISTING REBAR TO DAMPEN CRACKING TO FACILITATE ELECTRICAL INSTALLATIONS. ANY DAMAGES TO REBAR SHALL BE REINSTATED.

F UNLESS OTHERWISE NOTED WITH CONTRACT, THERE ARE EXISTING CIRCUIT BREAKERS TO BE RELOCATED TO THE MAIN ELECTRICAL PANEL. ALL EXISTING RECEPTACLES, MAXIMUM 40 AMP RECEPTACLES PER CIRCUIT UNLESS OTHERWISE NOTED.

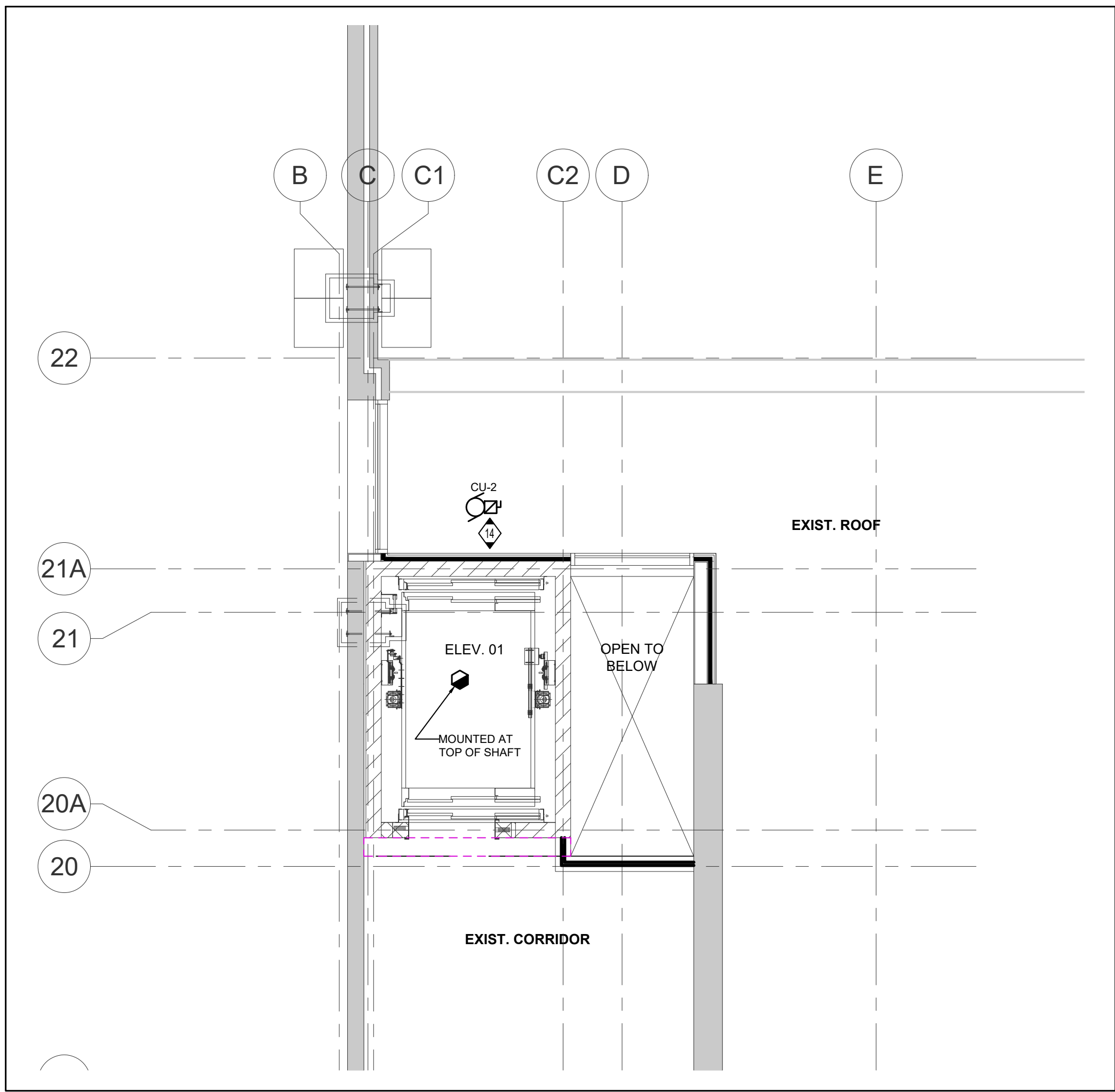
G ALL 1" CABLES SHALL BE PLUMB/STRAIGHT.

H CONTRACTOR SHALL ACCOUNT FOR POSSIBLE DAMAGE AND REPAIR TO CEILING FLOOR FOR CONDUIT RUNS FROM PANELS TO NEW ELECTRICAL DEVICES.

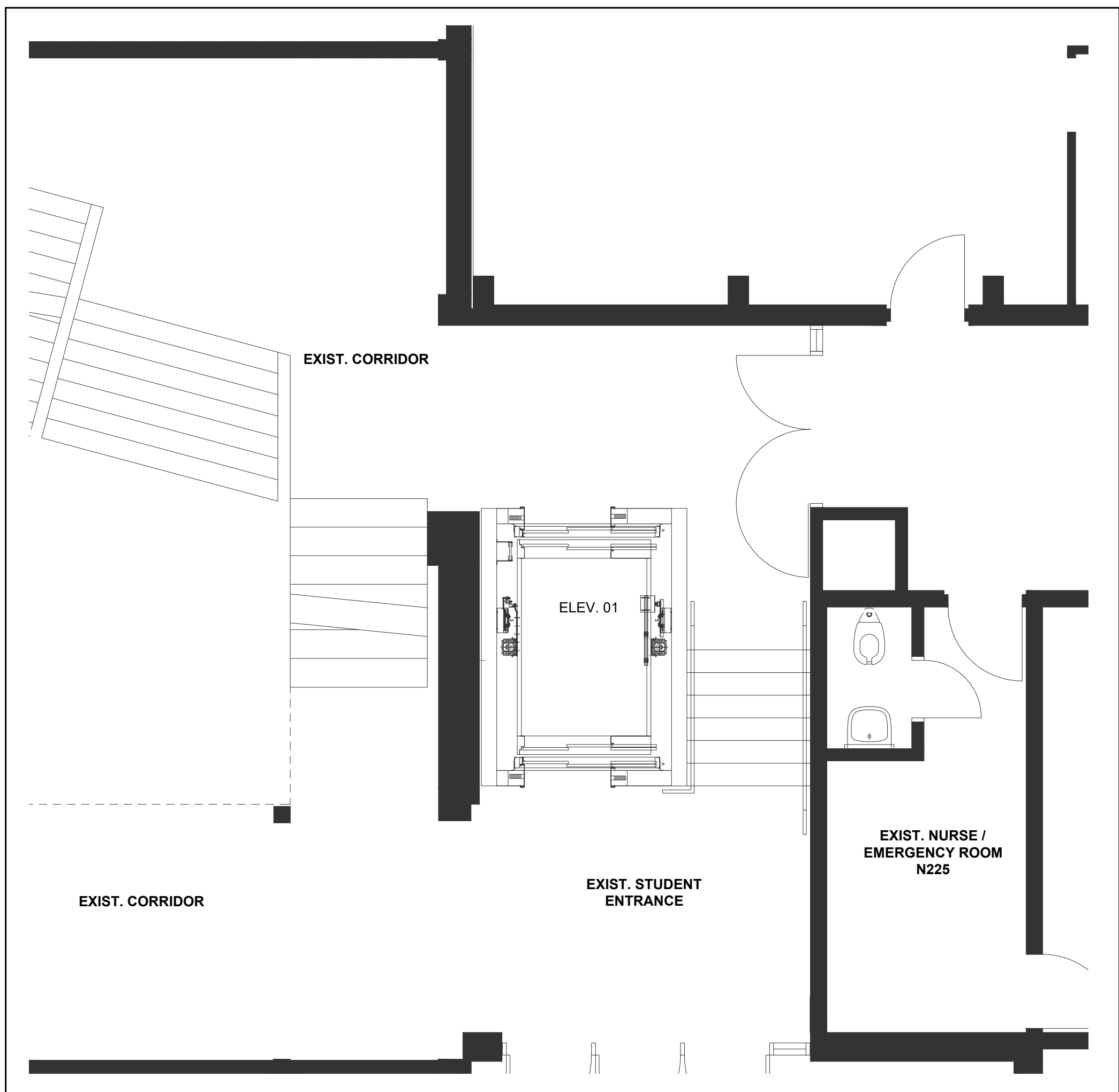
CRUIT NUMBERS SHOWN ON THIS PLAN ARE FOR IDENTIFICATION PURPOSE ONLY. RELAY AND TRANSFORMER IDENTIFICATION NUMBERS ARE NOT SHOWN. CONTRACTOR SHALL REMOVE AND REPLACE OBSOLETE BREAKERS WITH NEW AND ADD NEW BREAKERS IN AVAILABLE SPACES IN EXISTING ELECTRICAL PANELS AS REQUIRED. REPAIR OR REPLACE ALL EXISTING ELECTRICAL PANELS AS REQUIRED. CONFORM EXISTING CONDITIONS TO NEW REQUIREMENTS.

3 PANEL SCHEDULE
E300 N.T.S.

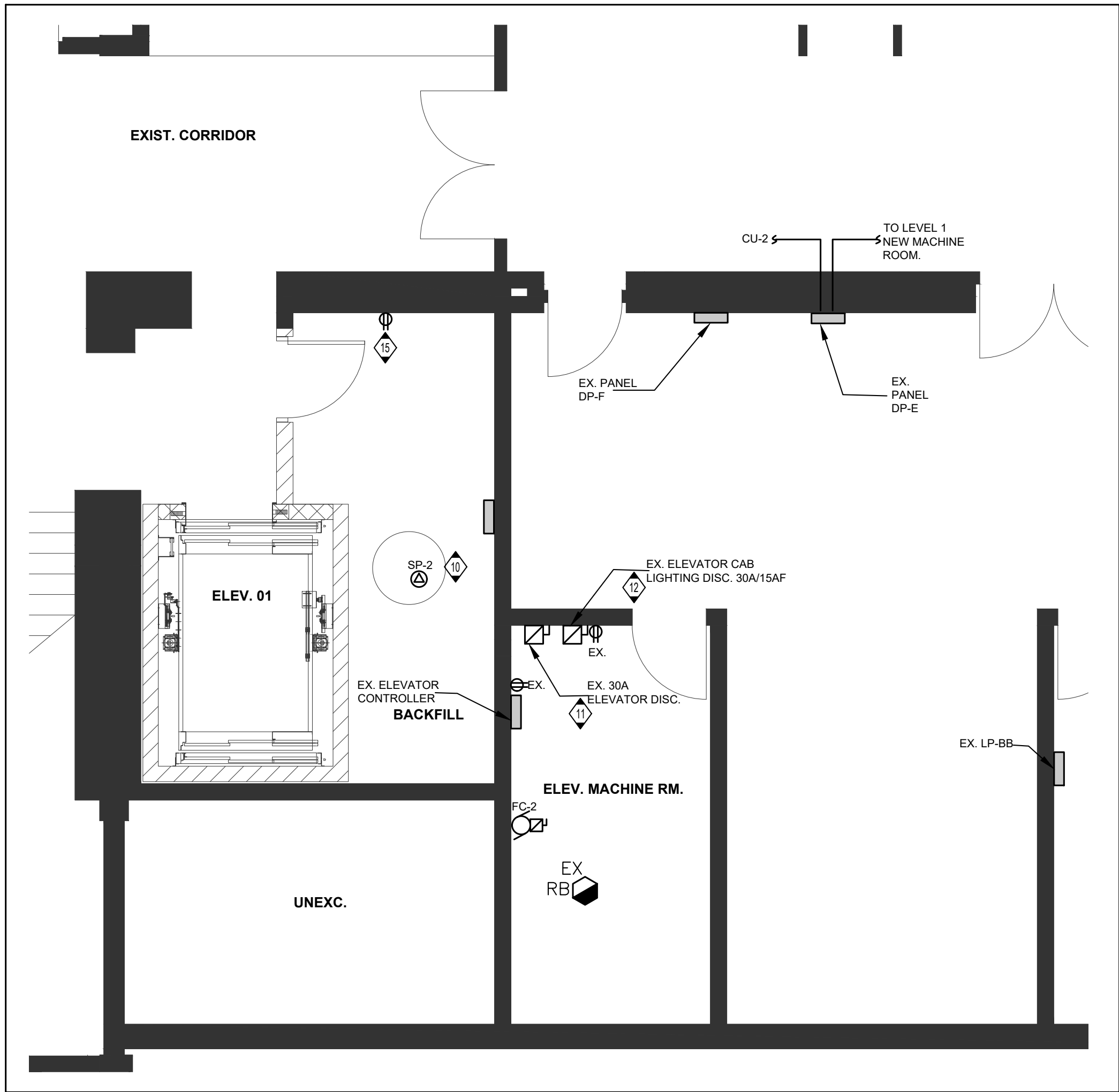




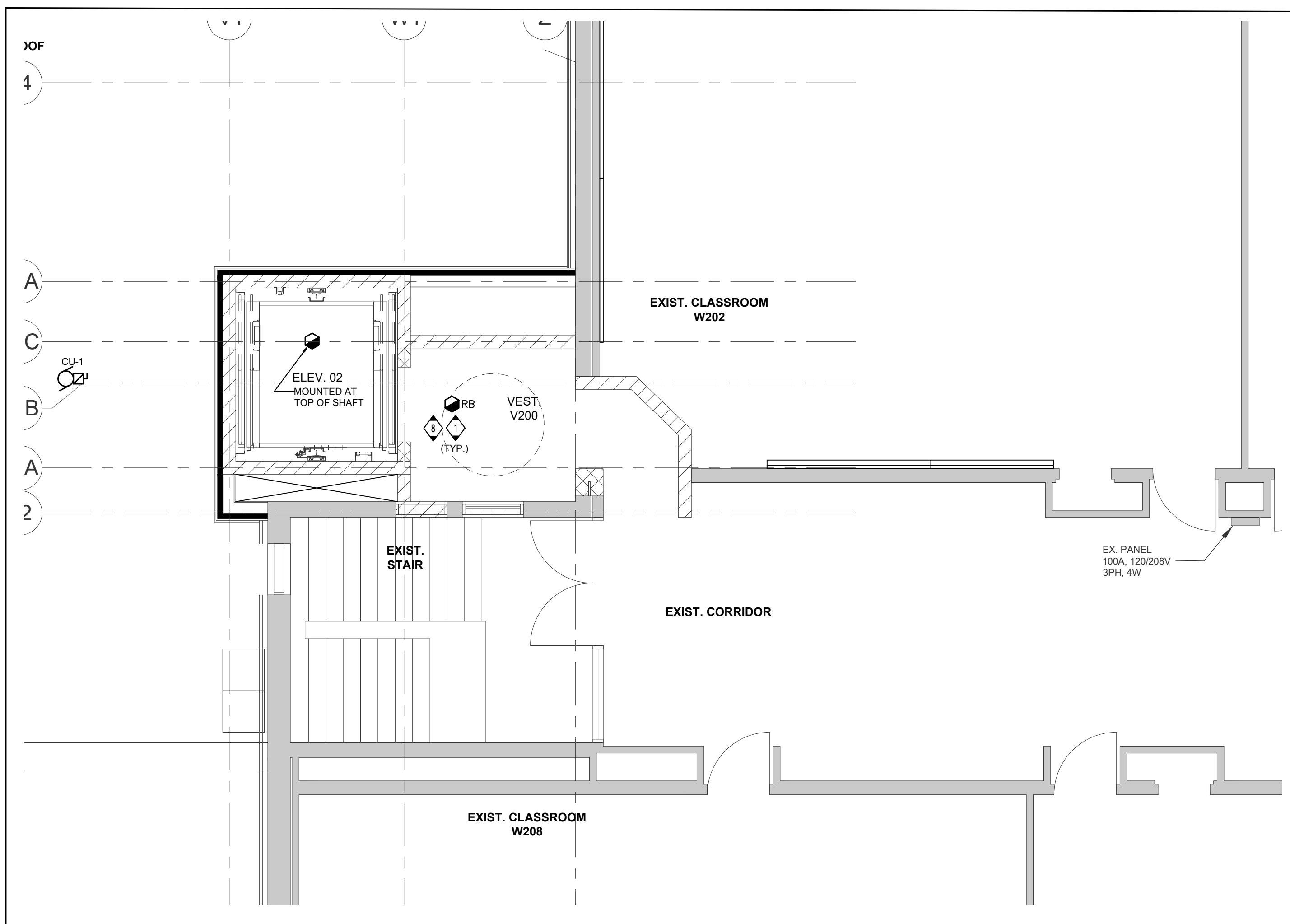
PARTIAL FLOOR LEVEL 2 & ROOF- ELEVATOR 01



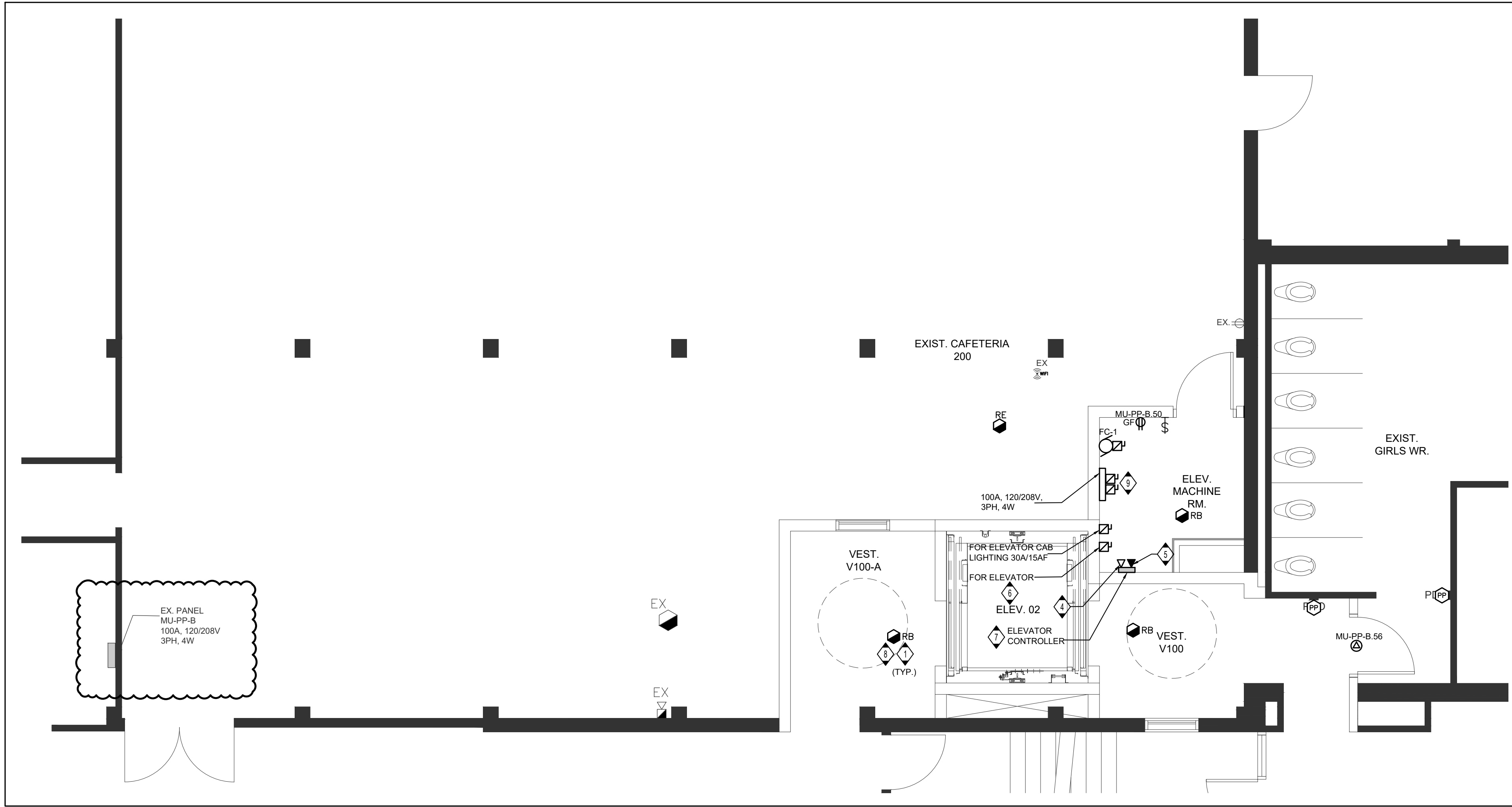
PARTIAL FLOOR LEVEL 1 & 1A - ELEVATOR 01



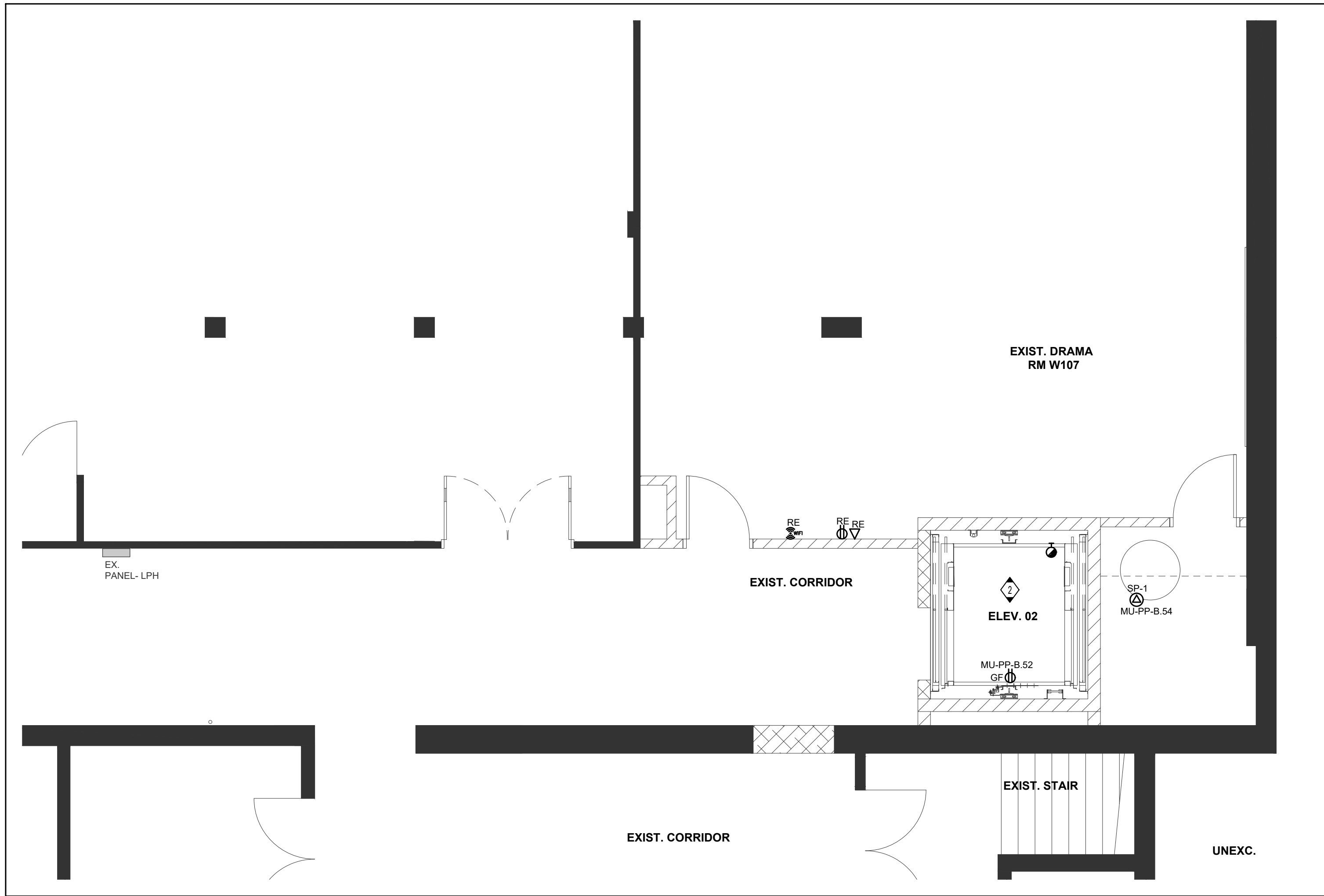
PARTIAL FLOOR LEVEL 0 ELEVATOR 01



PARTIAL FLOOR LEVEL 2 & ROOF- ELEVATOR 02



PARTIAL FLOOR LEVEL 1 & 1A - ELEVATOR 02



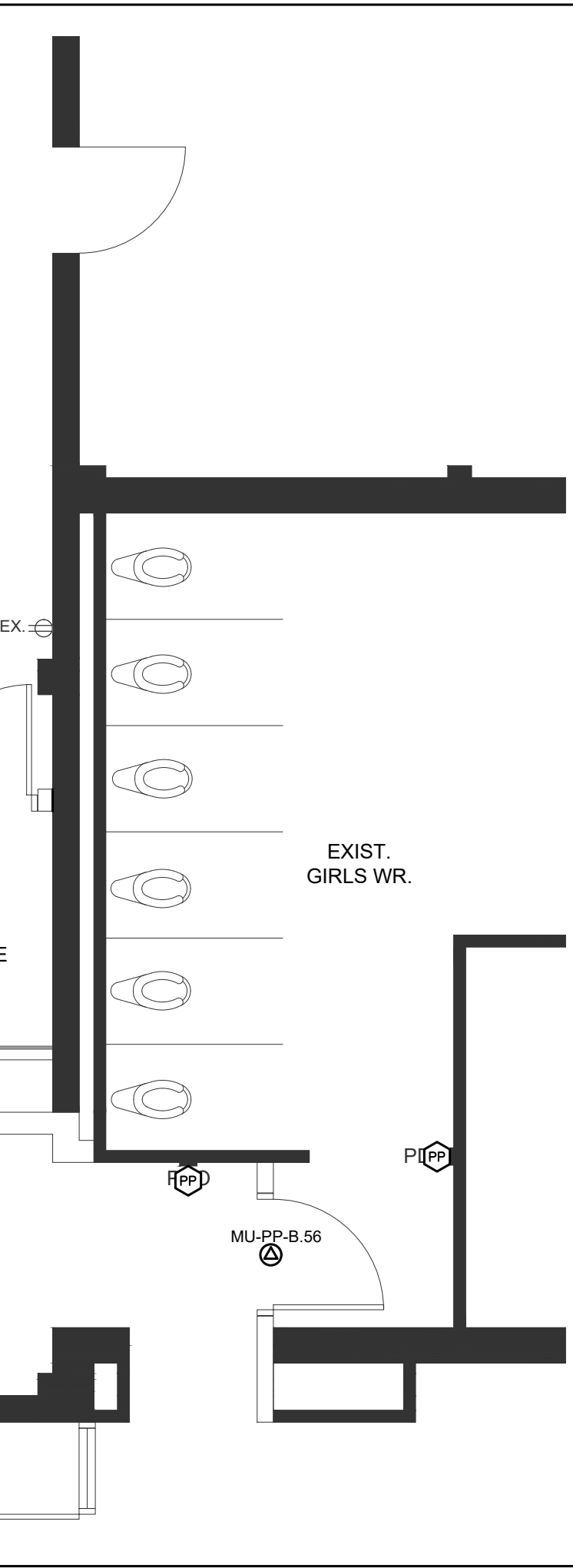
PARTIAL FLOOR LEVEL 0 ELEVATOR 02

PANEL NAME: **EXISTING PANEL MU-PP-B**
 PANEL LOCATION: IT ROOM
 MAINS: 225A 120/208V 3Ø 4W
 BUSSING: COPPER
 OTHER:

LOAD DESCRIPTION	VA	BRK 15A	BRK 15A	VA	LOAD DESCRIPTION
EXISTING LOAD	1	15A	15A	2	EXISTING LOAD
EXISTING LOAD	3	15A	15A	4	EXISTING LOAD
EXISTING LOAD	5	15A	15A	6	EXISTING LOAD
EXISTING LOAD	7	15A	15A	8	EXISTING LOAD
EXISTING LOAD	9	15A	15A	10	EXISTING LOAD
EXISTING LOAD	11	15A	15A	12	EXISTING LOAD
EXISTING LOAD	13	15A	15A	14	EXISTING LOAD
EXISTING LOAD	15	15A	15A	16	EXISTING LOAD
EXISTING LOAD	17	15A	15A	18	EXISTING LOAD
EXISTING LOAD	19	15A	15A	20	EXISTING LOAD
EXISTING LOAD	21	15A	15A	22	EXISTING LOAD
EXISTING LOAD	23	15A	15A	24	EXISTING LOAD
EXISTING LOAD	25	15A	15A	26	EXISTING LOAD
EXISTING LOAD	27	15A	15A	28	EXISTING LOAD
EXISTING LOAD	29	15A	15A	30	EXISTING LOAD
EXISTING LOAD	31	15A	15A	32	EXISTING LOAD
EXISTING LOAD	33	20A	20A	34	EXISTING LOAD
EXISTING LOAD	35	15A	15A	36	EXISTING LOAD
EXISTING LOAD	37	15A	15A	38	EXISTING LOAD
EXISTING LOAD	39	15A	15A	40	EXISTING LOAD
EXISTING LOAD	41	15A	15A	42	EXISTING LOAD
EXISTING LOAD	43	20A	20A	44	EXISTING LOAD
EXISTING LOAD	45	20A	20A	46	EXISTING LOAD
EXISTING LOAD	47	20A	20A	48	EXISTING LOAD
EXISTING LOAD	49	30A	30A	50	ELEV. MACHINE RM. RECEPTACLE
EXISTING LOAD	51	30A	30A	52	ELEV. PIT RECEPTACLE
EXISTING LOAD	53	15A	15A	54	SP-1
ELEV. PIT LIGHTING	360	55	55	56	EX. GIRLS WASHROOM ADD
		57	57	58	
		59	59	60	
CONNECTED LOAD (L.H.)					CONNECTED LOAD (R.H.)

SPD- SURGE PROTECTIVE DEVICE
 * - LOCKABLE BREAKER

PANEL SCHEDULE



SINGLE LINE DIAGRAM

GENERAL NOTES

- THE ELECTRICAL CONTRACTOR SHALL, AS PART OF HIS WORK, PERFORM ALL RELATED DEMOLITION, MODIFICATIONS, RELOCATION OF ELECTRICAL DISTRIBUTION AND OTHER EQUIPMENT AND RELATED WORK, INCLUDING NEW WORK NECESSARY TO COMPLETE THE PROJECT.
- ALL EXISTING FIELD CONDITIONS MAY NOT BE SHOWN ON THE DRAWINGS. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND DIMENSIONS PRIOR TO SUBMITTING BIDS. REFER TO EXISTING DRAWINGS AND VISIT THE SITE TO DETERMINE THE EXTENT OF THE DEMOLITION AND NEW WORK REQUIRED. REQUEST FOR EXTRA WORK SHALL NOT BE CONSIDERED FOR FAILURE BY THE CONTRACTOR TO BECOME FAMILIAR WITH THE EXISTING SITE CONDITIONS.
- THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL TECHNICAL DETAILS OF EQUIPMENT TO BE REMOVED. WHERE THERE IS A DISCREPANCY WITH THE TENDER DOCUMENTS, CONTRACTOR SHALL ENGAGE CONSULTANTS FOR DIRECTION. ELECTRICAL CONTRACTOR SHALL MAINTAIN A LIST OF ALL EQUIPMENT TO BE REMOVED. THIS LIST SHALL BE WITH ALL FOLLOWING INFORMATION:
 * NAME/MAKE
 * TECHNICAL DETAILS
 * LOCATION
 THIS LIST SHALL BE SUBMITTED TO THE OWNER FOR RECORD PURPOSES.
- THE ELECTRICAL CONTRACTOR SHALL NOT DISCONNECT EQUIPMENT AND ELECTRICAL CIRCUITS IN THE RENOVATION AREA OR ANY PART OF THE BUILDING WITHOUT PRIOR NOTIFICATION AND PERMISSION FROM THE OWNER. EXTENSIVE CARE SHALL BE TAKEN TO MINIMIZE DISTURBANCE TO THE SURROUNDING AREA.
- ITEMS REMOVED AND NOT SCHEDULED TO BE RELOCATED SHALL BE OFFERED TO THE OWNER FOR THEIR USE AND IF NOT ACCEPTED BY THE OWNER, THE ELECTRICAL CONTRACTOR SHALL DISPOSE OF THE MATERIAL FROM THE SITE IN ACCORDANCE WITH LOCAL REGULATIONS. THE ELECTRICAL CONTRACTOR SHALL DELIVER ITEMS ACCEPTED BY THE OWNER TO THE DESIGNATED LOCATIONS AS DIRECTED BY THE OWNER.
- IN ALL CASES WHERE WORK IS REMOVED, THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS, EQUIPMENT AND LABORS TO SUSTAIN OPERATION OF ALL PARTS OF THE SYSTEMS CONNECTING TO OR FROM THE PART REMOVED, COMPLETING ALL WORK IN STRICT ACCORDANCE WITH APPLICABLE CODES.
- ALL WIRING, CABLES AND FEEDERS INCLUDING BOTH CONNECTED TO DEVICES AND EQUIPMENT TO BE DEMOLISHED AND EXISTING THAT WERE ABANDONED IN PLACE SHALL BE SERVICED BACK TO THEIR SOURCES UNLESS NOTED OTHERWISE. CONDUITS AND/OR WIRING SHALL, WHEN NECESSARY, BE RE-CIRCUIT AROUND THE REMOVED PART, KEEPING COUPLED PARTS OF THE BUILDING SYSTEM IN FULL SERVICE.
- ALL EXISTING CONDUITS WHICH HAVE BEEN ABANDONED OR ARE UNUSED SHALL BE REMOVED.
- PROVIDE BLANK METAL COVER PLATES FOR ALL JUNCTION DEVICE BOXES NO LONGER IN USE THAT ARE DEMOLISHED BY 100A 120/208V 3PH 4W. PROVIDE PLUGS FOR ALL PANELS WHERE CONDUIT HAS BEEN REMOVED. COVER PLATES SHALL BE PAINTED TO MATCH EXISTING CONDITIONS.
- WHERE REQUIRED COORDINATE WITH THE CONSULTANT/OWNER FOR EXISTING PARTITIONS TO BE REMOVED TO FACILITATE WORK. DISCONNECT EXISTING BRANCH CIRCUITS SERVING DEVICES IN PARTITIONS TO BE REMOVED. MAINTAIN CONTINUITY OF CIRCUITS SERVING EXISTING DEVICES IN OTHER AREAS TO REMAIN.
- LIGHTING FIXTURES: REMOVE LIGHTING FIXTURES AND SWITCH CONTROL WHEN THE FIXTURE TO BE REMOVED IS SERVED BY A CIRCUIT THAT SUPPLIES FIXTURES IN OTHER AREAS THAT ARE TO REMAIN. IN THAT CASE, REMOVE THE ELECTRICAL CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF THE CIRCUIT TO THE REMAINING FIXTURES.
- POWER RECEPTACLES: REMOVE RECEPTACLES WHEN THE RECEPTACLE TO BE REMOVED IS SERVED BY A CIRCUIT THAT SUPPLIES RECEPTACLES IN OTHER AREAS THAT ARE TO REMAIN. THE ELECTRICAL CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF THE CIRCUIT TO THE REMAINING RECEPTACLES.
- FIRE ALARM SYSTEM: COORDINATE AND CONSULT WITH CURRENT FAS SYSTEM SERVICE CONTRACTOR OR THEIR QUALIFIED REPRESENTATIVE FOR ALL FIRE ALARM DETECTION AND MODIFICATION. OPERATION SHALL BE MAINTAINED OF EXISTING FIRE ALARM SYSTEM SPECIFICALLY AS IT RELATES TO ADJACENT AREAS WHICH ARE NOT INCLUDED IN THE SCOPE OF THIS PROJECT.
- ELECTRICAL CONTRACTOR SHALL PROVIDE UPDATED TYPE WRITTEN PANEL DIRECTORIES FOR ALL PANELS AFFECTED BY THE DEMOLITION AND/OR NEW WORK. CIRCUIT BREAKERS NOT USED FOR NEW WORK SHALL BE LABELED AS SPARE.
- FOR EXISTING DEVICES/CIRCUITRY THAT ARE INDICATED TO BE REMOVED BACK TO POINT OF ORIGIN THESE ITEMS ARE TO BE REMOVED BACK TO POINT OF ORIGIN UNLESS THERE WILL BE EXISTING DEVICES ON THE SAME CIRCUIT THAT ARE LOCATED OUTSIDE AREA OF WORK THAT ARE TO REMAIN. IN THAT CASE, REMOVE THE EXISTING DEVICES/CIRCUITRY IN AREA OF WORK BACK TO THESE EXISTING DEVICES TO REMAIN. ALL DEVICES/CIRCUITRY IN SURROUNDING AREAS THAT ARE TO REMAIN ARE TO BE KEPT ENERGIZED FOR REMOVAL OF CONDUIT AND WIRING OUTSIDE OF AREA OF WORK COORDINATE AND SCHEDULE WITH OWNER PRIOR TO PERFORMING WORK.

DRAWING NOTES

- ALL NEW FIRE ALARM DEVICES SHALL BE WIRED TO THE EXISTING PANEL. MODIFY CONTROL PANEL TO REFLECT CHANGES. BIDDER SHALL WALKTHROUGH TO DETERMINE LOCATION OF THE FIRE ALARM AND ANNUNCIATOR PANELS AND INCLUDE FOR WIRING TO NEW DEVICES. VERIFY NEWLY ADDED DEVICES AND PROVIDE A VERIFICATION REPORT.
- PROVIDE NEW FIRE ALARM EXISTING ZONE FOR ELEVATOR SHAFT DEVICES. ALLOW FOR PROGRAMMING AND VERIFICATION.
- RELOCATE WIRELESS ACCESS POINT, LIGHT FIXTURES, DUPLEX RECEPTACLE AND DATA PORT FOR PROJECTOR AS SHOWN IN DRAWING AREA (10). PROVIDE ADDITIONAL CONDUIT/WIRING FOR RELOCATION.
- ALL DATA DROPS SHALL BE WIRED TO THE CLOSEST DATA CLOSET (IN STORAGE ROOM). ALL EXPOSED CABLES UP TO CEILING SPACE SHALL BE IN 30A/50A/100A/150A/200A/250A/300A/350A/400A/450A/500A/550A/600A/650A/700A/750A/800A/850A/900A/950A/1000A/1050A/1100A/1150A/1200A/1250A/1300A/1350A/1400A/1450A/1500A/1550A/1600A/1650A/1700A/1750A/1800A/1850A/1900A/1950A/2000A/2050A/2100A/2150A/2200A/2250A/2300A/2350A/2400A/2450A/2500A/2550A/2600A/2650A/2700A/2750A/2800A/2850A/2900A/2950A/3000A/3050A/3100A/3150A/3200A/3250A/3300A/3350A/3400A/3450A/3500A/3550A/3600A/3650A/3700A/3750A/3800A/3850A/3900A/3950A/4000A/4050A/4100A/4150A/4200A/4250A/4300A/4350A/4400A/4450A/4500A/4550A/4600A/4650A/4700A/4750A/4800A/4850A/4900A/4950A/5000A/5050A/5100A/5150A/5200A/5250A/5300A/5350A/5400A/5450A/5500A/5550A/5600A/5650A/5700A/5750A/5800A/5850A/5900A/5950A/6000A/6050A/6100A/6150A/6200A/6250A/6300A/6350A/6400A/6450A/6500A/6550A/6600A/6650A/6700A/6750A/6800A/6850A/6900A/6950A/7000A/7050A/7100A/7150A/7200A/7250A/7300A/7350A/7400A/7450A/7500A/7550A/7600A/7650A/7700A/7750A/7800A/7850A/7900A/7950A/8000A/8050A/8100A/8150A/8200A/8250A/8300A/8350A/8400A/8450A/8500A/8550A/8600A/8650A/8700A/8750A/8800A/8850A/8900A/8950A/9000A/9050A/9100A/9150A/9200A/9250A/9300A/9350A/9400A/9450A/9500A/9550A/9600A/9650A/9700A/9750A/9800A/9850A/9900A/9950A/10000A/10050A/10100A/10150A/10200A/10250A/10300A/10350A/10400A/10450A/10500A/10550A/10600A/10650A/10700A/10750A/10800A/10850A/10900A/10950A/11000A/11050A/11100A/11150A/11200A/11250A/11300A/11350A/11400A/11450A/11500A/11550A/11600A/11650A/11700A/11750A/11800A/11850A/11900A/11950A/12000A/12050A/12100A/12150A/12200A/12250A/12300A/12350A/12400A/12450A/12500A/12550A/12600A/12650A/12700A/12750A/12800A/12850A/12900A/12950A/13000A/13050A/13100A/13150A/13200A/13250A/13300A/13350A/13400A/13450A/13500A/13550A/13600A/13650A/13700A/13750A/13800A/13850A/13900A/13950A/14000A/14050A/14100A/14150A/14200A/14250A/14300A/14350A/14400A/14450A/14500A/14550A/14600A/14650A/14700A/14750A/14800A/14850A/14900A/14950A/15000A/15050A/15100A/15150A/15200A/15250A/15300A/15350A/15400A/15450A/15500A/15550A/15600A/15650A/15700A/15750A/15800A/15850A/15900A/15950A/16000A/16050A/16100A/16150A/16200A/16250A/16300A/16350A/16400A/16450A/16500A/16550A/16600A/16650A/16700A/16750A/16800A/16850A/16900A/16950A/17000A/17050A/17100A/17150A/17200A/17250A/17300A/17350A/17400A/17450A/17500A/17550A/17600A/17650A/17700A/17750A/17800A/17850A/17900A/17950A/18000A/18050A/18100A/18150A/18200A/18250A/18300A/18350A/18400A/18450A/18500A/18550A/18600A/18650A/18700A/18750A/18800A/18850A/18900A/18950A/19000A/19050A/19100A/19150A/19200A/19250A/19300A/19350A/19400A/19450A/19500A/19550A/19600A/19650A/19700A/19750A/19800A/19850A/19900A/19950A/20000A/20050A/20100A/20150A/20200A/20250A/20300A/20350A/20400A/20450A/20500A/20550A/20600A/20650A/20700A/20750A/20800A/20850A/20900A/20950A/21000A/21050A/21100A/21150A/21200A/21250A/21300A/21350A/21400A/21450A/21500A/21550A/21600A/21650A/21700A/21750A/21800A/21850A/21900A/21950A/22000A/22050A/22100A/22150A/22200A/22250A/22300A/22350A/22400A/22450A/22500A/22550A/22600A/22650A/22700A/22750A/22800A/22850A/22900A/22950A/23000A/23050A/23100A/23150A/23200A/23250A/23300A/23350A/23400A/23450A/23500A/23550A/23600A/23650A/23700A/23750A/23800A/23850A/23900A/23950A/24000A/24050A/24100A/24150A/24200A/24250A/24300A/24350A/24400A/24450A/24500A/24550A/24600A/24650A/24700A/24750A/24800A/24850A/24900A/24950A/25000A/25050A/25100A/25150A/25200A/25250A/25300A/25350A/25400A/25450A/25500A/25550A/25600A/25650A/25700A/25750A/25800A/25850A/25900A/25950A/26000A/26050A/26100A/26150A/26200A/26250A/26300A/26350A/26400A/26450A/26500A/26550A/26600A/26650A/26700A/26750A/26800A/26850A/26900A/26950A/27000A/27050A/27100A/27150A/27200A/27250A/27300A/27350A/27400A/27450A/27500A/27550A/27600A/27650A/27700A/27750A/27800A/27850A/27900A/27950A/28000A/28050A/28100A/28150A/28200A/28250A/28300A/28350A/28400A/28450A/28500A/28550A/28600A/28650A/28700A/28750A/28800A/28850A/28900A/28950A/29000A/29050A/29100A/29150A/29200A/29250A/29300A/29350A/29400A/29450A/29500A/29550A/29600A/29650A/29700A/29750A/29800A/29850A/29900A/29950A/30000A/30050A/30100A/30150A/30200A/30250A/30300A/30350A/30400A/30450A/30500A/30550A/30600A/30650A/30700A/30750A/30800A/30850A/30900A/30950A/31000A/31050A/31100A/31150A/31200A/31250A/31300A/31350A/31400A/31450A/31500A/31550A/31600A/31650A/31700A/31750A/31800A/31850A/31900A/31950A/32000A/32050A/32100A/32150A/32200A/32250A/32300A/32350A/32400A/32450A/32500A/32550A/32600A/32650A/32700A/32750A/32800A/32850A/32900A/32950A/33000A/33050A/33100A/33150A/33200A/33250A/33300A/33350A/33400A/33450A/33500A/33550A/33600A/33650A/33700A/33750A/33800A/33850A/33900A/33950A/34000A/34050A/34100A/34150A/34200A/34250A/34300A/34350A/34400A/34450A/34500A/34550A/34600A/34650A/34700A/34750A/34800A/34850A/34900A/34950A/35000A/35050A/35100A/35150A/35200A/35250A/35300A/35350A/35400A/35450A/35500A/35550A/35600A/35650A/35700A/35750A/35800A/35850A/35900A/35950A/36000A/36050A/36100A/36150A/36200A/36250A/36300A/36350A/36400A/36450A/36500A/36550A/36600A/36650A/36700A/36750A/36800A/36850A/36900A/36950A/37000A/37050A/37100A/37150A/37200A/37250A/37300A/37350A/37400A/37450A/37500A/37550A/37600A/37650A/37700A/37750A/37800A/37850A/37900A/37950A/38000A/38050A/38100A/38150A/38200A/38250A/38300A/38350A/38400A/38450A/38500A/38550A/38600A/38650A/38700A/38750A/38800A/38850A/38900A/38950A/39000A/39050A/39100A/39150A/39200A/39250A/39300A/39350A/39400A/39450A/39500A/39550A/39600A/39650A/39700A/39750A/39800A/39850A/39900A/39950A/40000A/40050A/40100A/40150A/40200A/40250A/40300A/40350A/40400A/40450A/40500A/40550A/40600A/40650A/40700A/40750A/40800A/40850A/40900A/40950A/41000A/41050A/41100A/41150A/41200A/41250A/41300A/41350A/41400A/41450A/41500A/41550A/41600A/41650A/41700A/41750A/41800A/41850A/41900A/41950A/42000A/42050A/42100A/42150A/42200A/42250A/42300A/42350A/42400A/42450A/42500A/42550A/42600A/42650A/42700A/42750A/42800A/42850A/42900A/42950A/43000A/43050A/43100A/43150A/43200A/43250A/43300A/43350A/43400A/43450A/43500A/43550A/43600A/43650A/43700A/43750A/43800A/43850A/43900A/43950A/44000A/44050A/44100A/44150A/44200A/44250A/44300A/44350A/44400A/44450A/44500A/44550A/44600A/44650A/44700A/44750A/44800A/44850A/44900A/44950A/45000A/45050A/45100A/45150A/45200A/45250A/45300A/45350A/45400A/45450A/45500A/45550A/45600A/45650A/45700A/45750A/45800A/45850A/45900A/45950A/46000A/46050A/46100A/46150A/46200A/46250A/46300A/46350A/46400A/46450A/46500A/46550A/46600A/46650A/46700A/46750A/46800A/46850A/46900A/46950A/47000A/47050A/47100A/47150A/47200A/47250A/47300A/47350A/47400A/47450A/47500A/47550A/47600A/47650A/47700A/47750A/47800A/47850A/47900A/47950A/48000A/48050A/48100A/48150A/48200A/48250A/48300A/48350A/48400A/48450A/48500A/48550A/48600A/48650A/48700A/48750A/48800A/48850A/48900A/48950A/49000A/49050A/49100A/49150A/49200A/49250A/49300A/49350A/49400A/49450A/49500A/49550A/49600A/49650A/49700A/49750A/49800A/49850A/49900A/49950A/50000A/50050A/50100A/50150A/50200A/50250A/50300A/50350A/50400A/50450A/50500A/50550A/50600A/50650A/50700A/50750A/50800A/50850A/50900A/50950A/51000A/51050A/51100A/51150A/51200A/51250A/51300A/51350A/51400A/51450A/51500A/51550A/51600A/51650A/51700A/51750A/51800A/51850A/51900A/51950A/52000A/52050A/52100A/52150A/52200A/52250A/52300A/52350A/52400A/52450A/52500A/52550A/52600A/52650A/52700A/52750A/52800A/52850A/52900A/52950A/53000A/53050A/53100A/53150A/53200A/53250A/53300A/53350A/53400A/53450A/53500A/53550A/53600A/53650A/53700A/53750A/53800A/53850A/53900A/53950A/54000A/54050A/54100A/54150A/54200A/54250A/54300A/54350A/54400A/54450A/54500A/54550A/54600A/54650A/54700A/54750A/54800A/54850A/54900A/54950A/55000A/55050A/55100A/55150A/55200A/55250A/55300A/55350A/55400A/55450A/55500A/55550A/55600A/55650A/55700A/55750A/55800A/55850A/55900A/55950A/56000A/56050A/56100A/56150A/56200A/56250A/56300A/56350A/56400A/56450A/56500A/56550A/56600A/56650A/56700A/56750A/56800A/56850A/56900A/56950A/57000A/57050A/57100A/57150A/57200A/572