NJRA Architects, Inc.
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ADDENDUM

Date Issued:	July 3, 2025
Project:	North Pointe Medical Park **Tooele Pediatric Clinic- Rebid Set** Building 'B'- Level 2 Suite #B202 & 204 2371 North 400 East, Tooele UT 84074
Addendum Number:	3

The Contractors submitting proposals on the above-captioned project shall be governed by the following addendum, changes and explanations to the drawings and specifications and shall submit their bids in accordance therewith.

Item Number	General Items Description
1	As indicated in Addendum #2- All bids shall need to be Emailed to Sourabh Sinha with NJRA Architects at sousin@njraarchitects.com by **Wednesday July 9, 2025- 2:00 p.m.**
2	At the request of the Owner, We have revised the drawings regarding the electrical panel in the storage room. See attached architectural and electrical addendum #3 memo and revised drawings from NJRA & Spectrum Engineers.

Attachments:

Documents: Addendum #3 memo from Spectrum Engineers
Drawings: A121, A123, ED101, EP101, EP601 & EL101.

SPECTRUM ENGINEERS

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Electrical Addendum #3

Date:	July 2, 2025		
To:	Sourabh Sinha	**From:**	Jason Worthen
Company:	NJRA Architects	**Email:**	Jason.worthen@speceng.com
Job:	Northpointe Medical - Tooele Building B - Pediatric Clinic	**Phone:**	801 - 401 - 8442
Job No:	250096	**Re:**	
Cc:			

This Addendum shall be considered part of the Contract Documents and Project Manual for the above mentioned project as though it had been issued at the same time and shall be incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original Contract Documents and Project Manual, the Addendum shall govern and take precedence.

Electrical Addendum

Drawings

1. ED101 – Level 2 Electrical Demolition Plan
    a. Changed panel from being demolished to be relocated.

2. EP101 – Level 2 Power Plan
    a. Revised Circuiting.
    b. Showed existing panel being relocated to corridor.

3. EP601 – One-Line Diagram
    a. Updated one-lines to show relocated panel.
    b. Updated panel schedules.

4. EL101 – Level 2 Lighting Plan
    a. Updated circuiting.

END OF ADDENDUM

Attachments < ED101, EP101, EP601, EL101 >

1 Demolition Floor Plan Level 2
SCALE: 1/4" = 1'-0"

7/3/2025 3:45:51 PM

KEYED NOTES

- 02.01 WALL, EXISTING TO REMAIN. PROTECT WALL FROM DAMAGE DURING CONSTRUCTION. PATCH, REPAIR AND REFINISH WALLS WHERE PARTIALLY DEMOLISHED UNFINISHED EDGES OR ANY DAMAGES EXIST. REPAINT WALLS AS PER NEW FINISH AND SCHEDULE. PAINT AND FINISH TO MATCH ADJACENT EXISTING WHERE NEW FINISH IS NOT CALLED OUT.
- 02.02 WALL, EXISTING INDICATED WITH DASHED LINE TO BE REMOVED.
- 02.05 DOOR, EXISTING TO REMAIN. PROTECT DOOR FROM DAMAGE DURING CONSTRUCTION.
- 02.06 DOOR AND DOOR FRAME, EXISTING INDICATED WITH DASHED LINE TO BE REMOVED. DOOR FRAME SHALL BE REMOVED UNLESS NOTED OTHERWISE.
- 02.07 EXISTING SHELVES INDICATED WITH DASHED LINE TO BE REMOVED.
- 02.08 EXISTING ELECTRICAL PANEL TO BE REMOVED, FLIPPED AND REINSTALLED ON THE HALLWAY SIDE. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.
- 02.09 WINDOW, EXISTING TO REMAIN. PROTECT WINDOW FROM DAMAGE DURING CONSTRUCTION.
- 02.10 FURNITURE, EXISTING INDICATED WITH DASHED LINE TO BE REMOVED.
- 02.11 PLUMBING FIXTURE, EXISTING TO REMAIN. PROTECT FIXTURE FROM DAMAGE DURING CONSTRUCTION.
- 02.12 PLUMBING FIXTURE, EXISTING INDICATED WITH DASHED LINE TO BE REMOVED. REMOVE UN USED PLUMBING PIPING. SEE PLUMBING DRAWINGS FOR MORE INFORMATION.
- 02.14 CABINET, COUNTERTOP ETC, EXISTING INDICATED WITH DASHED LINE TO BE REMOVED. OWNER MAY CHOOSE TO SALVAGE SOME OF THE CABINETS. COORDINATE WITH OWNER DURING DEMOLITION.
- 02.17 FLOOR COVERING, EXISTING TO REMAIN. PROTECT FLOOR COVERING FROM DAMAGE DURING CONSTRUCTION.
- 02.18 FLOOR COVERING, EXISTING IN THIS AREA TO BE REMOVED. COORDINATE EXTENT OF REMOVAL WITH FINISH FLOOR PLANS FOR NEW FLOOR COVERING LOCATIONS AND TRANSITION LINE BETWEEN EXISTING AND NEW FLOOR COVERINGS. REMOVE FLOORING ALL THE WAY TO GYPCRETE BASE AND PREPARE FLOOR TO RECEIVE NEW FLOORING MATERIAL.
- 02.23 FURNITURE, EXISTING TO REMAIN. PROTECT FROM DAMAGE DURING CONSTRUCTION.
- 02.52 BASE CABINET AND UPPER WALL CABINETS ETC, EXISTING TO REMAIN. PROTECT FROM DAMAGE DURING CONSTRUCTION.
- 02.61 ALTERNATE #01- AS PART OF THIS ALTERNATE, CARPET FLOOR COVERING, EXISTING IN THIS AREA TO BE REMOVED AND REPLACED WITH NEW LUXURY VINYL TILE (LVT) FLOORING IN THE HALLWAYS AND WAITING AREAS. COORDINATE EXTENT OF REMOVAL WITH FINISH FLOOR PLANS FOR NEW FLOOR COVERING LOCATIONS AND TRANSITION LINE BETWEEN EXISTING AND NEW FLOOR COVERINGS. REMOVE FLOORING ALL THE WAY TO GYP-CRETE BASE AND PREPARE FLOOR TO RECEIVE NEW FLOORING MATERIAL. UNDER THE BASE BID NO WORK IS REQUIRED AND EXISTING FLOORING TO REMAIN.
- 02.62 EXISTING FISH TANK FROM THIS AREA TO BE REMOVED AND RETURNED TO THE OWNER

GENERAL NOTES

A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.
B. SEE SHEET A505A FOR CABINET LEGEND.
C. SEE SHEET A601A FOR DOOR SCHEDULE.
D. SEE SHEET A602A FOR WINDOW SCHEDULE.
E. SEE SHEET A603A FOR FINISH SCHEDULE AND GENERAL NOTES.

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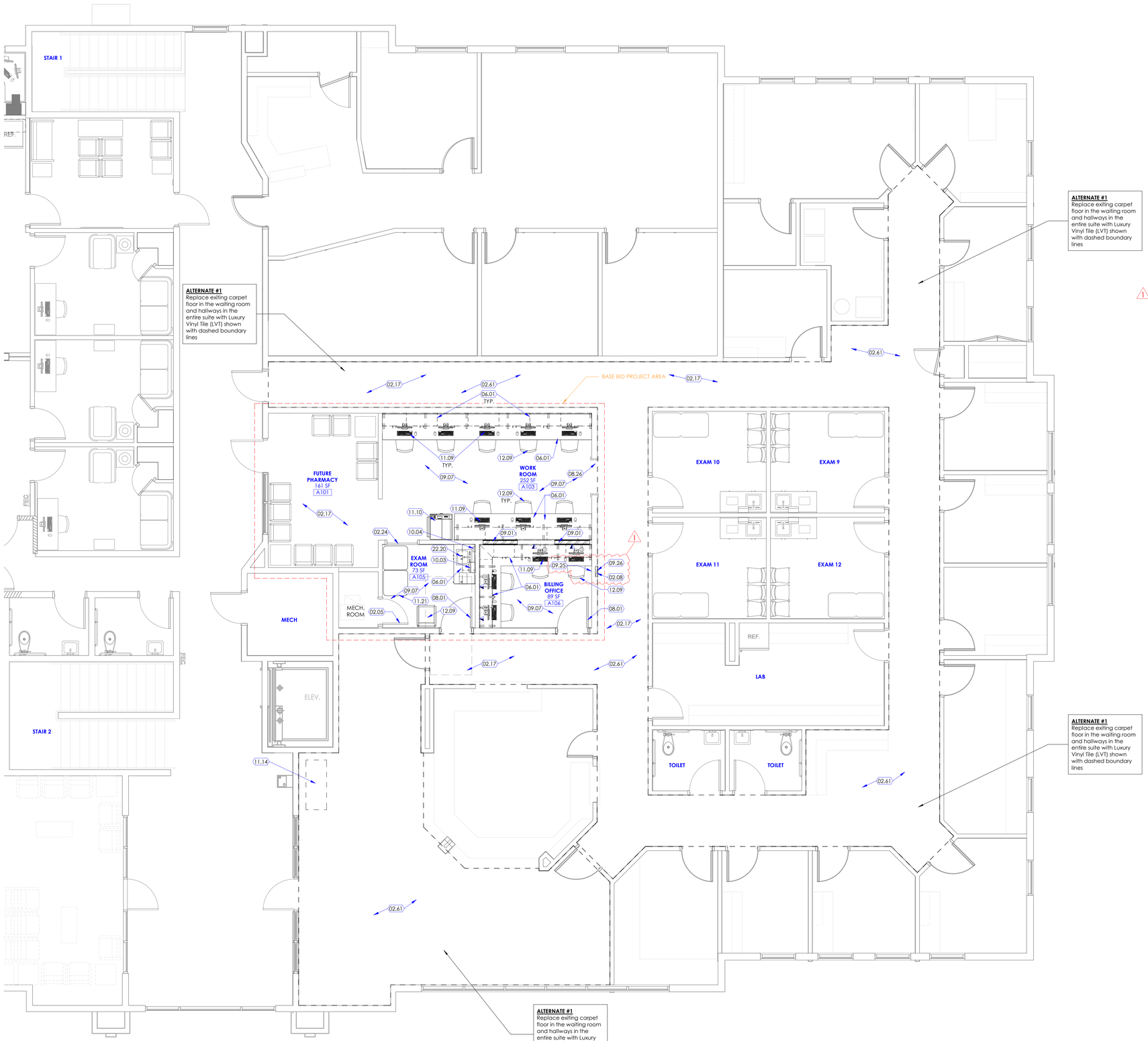
STATE OF UTAH
SELVAM RAJAVELU
267857-0301
LICENSED ARCHITECT

Northpointe Medical Park
Building B, Level 2, Suites 202 & 204 Tooele Pediatric Clinic
2371 North 400 East
Tooele, UT 84074

NJRA Project #	24014.00
Construction Documents	June 19, 2025
1 Addendum #3	3 July, 2025

Demolition Floor Plan Level 2

A121



1 Floor Plan Level 2
SCALE: 1/4" = 1'-0"

KEYED NOTES

- 02.05 DOOR, EXISTING TO REMAIN. PROTECT DOOR FROM DAMAGE DURING CONSTRUCTION.
- 02.08 EXISTING ELECTRICAL PANEL TO BE REMOVED, FLIPPED AND REINSTALLED ON THE HALLWAY SIDE, SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.
- 02.17 FLOOR COVERING, EXISTING TO REMAIN. PROTECT FLOOR COVERING FROM DAMAGE DURING CONSTRUCTION.
- 02.24 DOOR, EXISTING TO REMAIN. PROTECT FROM DAMAGE DURING CONSTRUCTION. DOOR WILL BE LOCKED AND REMAIN CLOSED FOR FUTURE USE.
- 02.61 ALTERNATE #01- AS PART OF THIS ALTERNATE, CARPET FLOOR COVERING, EXISTING IN THIS AREA TO BE REMOVED AND REPLACED WITH NEW LUXURY VINYL TILE (LVT) FLOORING IN THE HALLWAYS AND WAITING AREAS. COORDINATE EXTENT OF REMOVAL WITH FINISH FLOOR PLANS FOR NEW FLOOR COVERING LOCATIONS AND TRANSITION LINE BETWEEN EXISTING AND NEW FLOOR COVERINGS. REMOVE FLOORING ALL THE WAY TO GYP-CRETE BASE AND PREPARE FLOOR TO RECEIVE NEW FLOORING MATERIAL UNDER THE BASE BID NO WORK IS REQUIRED AND EXISTING FLOORING TO REMAIN.
- 06.01 NEW CABINET, SHELVING ETC. SEE CABINET LEGEND ON SHEET 1/A505A, AND INTERIOR ELEVATIONS. FOR CABINET TYPES SUCH AS BASE CABINETS, WALL CABINETS, TALL CABINETS, SHELVING, COUNTERTOP ETC.
- 08.01 NEW DOOR, DOOR FRAME AND HARDWARE. SEE DOOR SCHEDULE AND HARDWARE SPECIFICATIONS.
- 08.26 CUT A NEW OPENING IN THE WOOD STUD FRAMED DRY WALL FOR ACCESS TO THE WORK ROOM. PATCH, REPAIR AND PAINT THE OPENING EDGES OF THE GYPSUM SHEATHING AND FRAMING.
- 09.01 METAL STUD FRAMED WALL. BASED ON THE LOCATION INDICATED IN FLOOR PLAN, USE 3-5/8" (OR 4" THICK OR 1-1/2" THICK AS OCCURS), 18 GAUGE, METAL STUDS AT 16" O.C. WITH TRACK RUNNERS AT TOP AND BOTTOM. USE 12 GAUGE STUDS AROUND DOOR FRAMES. IN PLACES WHERE FRAMING RUNS FROM FLOOR TO STRUCTURE ABOVE, PROVIDE SLIP CONNECTION AS PER DETAIL 9/A502B TO ACCOMMODATE STRUCTURE DEFLECTION ABOVE. IN PLACES WHERE FRAMING IS SUSPENDED FROM STRUCTURE ABOVE, SLIP CONNECTION IS NOT REQUIRED. SOUND BATT INSULATION REQUIRED AT ALL INTERIOR WALLS WITH PAINTED GYPSUM BOARD SHEATHING. SEE WALL TYPES ON SHEET A501A.
- 09.07 FLOOR COVERING, SEE FINISH FLOOR PLANS FOR FLOOR COVERING INDICATED WITH A FLOOR FINISH TAG (AS F1, F2, F3, ETC.). SEE FINISH SCHEDULE ON SHEET A603A FOR MATERIAL, SIZE, COLOR, ETC. FOR EACH FLOOR FINISH TAG.
- 09.25 PATCH, FILL, REPAIR AND PAINT GYPSUM WALL AFTER REMOVAL OF ELECTRICAL PANEL FROM HERE. SEE ELECTRICAL DRAWINGS.
- 09.26 PATCH, REPAIR AND PAINT WALL AFTER INSTALLATION OF RELOCATED ELECTRICAL PANEL HERE. SEE ELECTRICAL DRAWINGS.
- 10.03 PAPER TOWEL DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED. CONTRACTOR SHALL PROVIDE BACKING IN WALL AS REQUIRED. SEE RELEVANT DETAILS 1/G003 AND 1/G004 FOR MOUNTING HEIGHT, LOCATION, ETC.
- 10.04 SOAP DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED. CONTRACTOR SHALL PROVIDE BACKING FOR ALL OWNER FURNISHED ITEMS. SEE RELEVANT DETAILS 1/G003 AND 1/G004 FOR MOUNTING HEIGHT, LOCATION, ETC.
- 11.09 COMPUTER, NOT IN CONTRACT. OWNER FURNISHED OWNER INSTALLED. SEE ELECTRICAL DRAWINGS.
- 11.10 PRINTER AND COPIER, NOT IN CONTRACT. OWNER FURNISHED OWNER INSTALLED. SEE ELECTRICAL DRAWINGS.
- 11.14 NEW FISH TANK, OWNER FURNISHED AND INSTALLED.
- 11.21 EXAM TABLE, NOT IN CONTRACT. OWNER FURNISHED OWNER INSTALLED.
- 12.09 FURNITURE, NOT IN CONTRACT. OWNER FURNISHED OWNER INSTALLED.
- 22.20 STAINLESS STEEL SINK, SEE PLUMBING DRAWINGS. CUT OPEN PORTION OF BACK WALL TO INSTALL AND RECONNECT TO PLUMBING LINES. PATCH REPAIR AND PAINT WALL AFTER INSTALLATION.

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Building B, Level 2, Suites 202 & 204
Tooele Pediatric Clinic
2371 North 400 East
Tooele, UT 84074

NJRA Project #	2401.4.00
Construction Documents	June 19, 2025
1 Addendum #3	3 July, 2025

Floor Plan
Level 2

A123

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1 LEVEL 2 ELECTRICAL DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

1 UNLESS NOTED OTHERWISE REMOVE ALL LIGHTING FIXTURES DEVICES AND EQUIPMENT SHOWN DASHED. REMOVE CONDUIT AND WIRING BACK TO PANELBOARD OF ORIGIN OR TO FIRST ACTIVE DEVICE THAT REMAINS.

2 SALVAGE ALL LIGHT FIXTURES, TWIST-LOCK RECEPTACLES AND WALLPLATES, CEILING SPEAKERS AND SECURITY AND FIRE ALARM DEVICES TO OWNER. PROTECT SALVAGED EQUIPMENT FROM DAMAGE.

3 PRIOR TO SUBMITTING BID, VISIT THE SITE AND FIELD VERIFY THE EXTENT OF ELECTRICAL DEMOLITION WORK TO MEET THE INTENT OF THE BID DOCUMENTS AND INCLUDE ALL COSTS IN BID.

4 PRIOR TO REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY THAT THE EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE.

5 REMOVE ALL DEVICES, RACEWAYS AND WIRING FROM WALLS TO BE REMOVED. WHERE ACTIVE RACEWAYS OCCUR IN WALLS TO BE REMOVED, RE-ROUTE THE RACEWAY WITH ASSOCIATED WIRING TO KEEP THE CIRCUIT OPERATIONAL.

6 REMOVE ALL FIRE ALARM DEVICES WHERE EXISTING WALLS AND CEILINGS ARE BEING REMOVED, WITH ASSOCIATED CONDUIT AND WIRING. EXISTING FIRE ALARM DEVICES AND SYSTEM NOT INDICATED FOR REMOVAL SHALL REMAIN ACTIVE THROUGHOUT DEMOLITION AND CONSTRUCTION UNTIL THE NEW SYSTEM IS TESTED AND OPERATIONAL. MAINTAIN ALL CLASS A FIRE ALARM INITIATING AND INDICATING LOOPS WHERE EXISTING DEVICES ARE REMOVED.

7 REMOVE ALL ABANDONED RACEWAY, CONDUIT, WIRING AND CABLING WHETHER ABANDONED PREVIOUS TO THIS PROJECT OR AS A RESULT OF THIS PROJECT. NOT ALL ABANDONED ITEMS ARE SHOWN ON THESE PLANS AND FIELD VERIFICATION OF DEMOLITION SCOPE EXTENT IS REQUIRED.

8 DEVICES MARKED "RR" ARE TO BE REMOVED AND RELOCATED PER NEW PLANS. EXTEND CIRCUITING AS REQUIRED FOR RELOCATION.

9 REFER TO ARCHITECTURAL DRAWINGS FOR REMOVAL OF MOTORS, CONDUIT, CONDUCTOR AND CONTROL WIRING ASSOCIATED WITH EXISTING MOTORIZED DOORS, PARTITIONS AND LIGHTING.

10 ALL ITEMS INDICATED TO REMAIN SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION.

11 CONTRACTOR TO TRACE AND LABEL ALL EXISTING LOADS TO REMAIN, THAT ARE CURRENTLY FED FROM PANELS THAT ARE BEING DEMOLISHED IN THIS PHASE. THESE LOADS TO BE RE-FED FROM NEW PANELS IN NEXT PHASE.

12 ALL HVAC UNITS TO BE REMOVED BY MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE. REMOVE ALL ASSOCIATED RACEWAYS AND CONDUCTORS BACK TO SOURCE.

⬡ SHEET KEYNOTES

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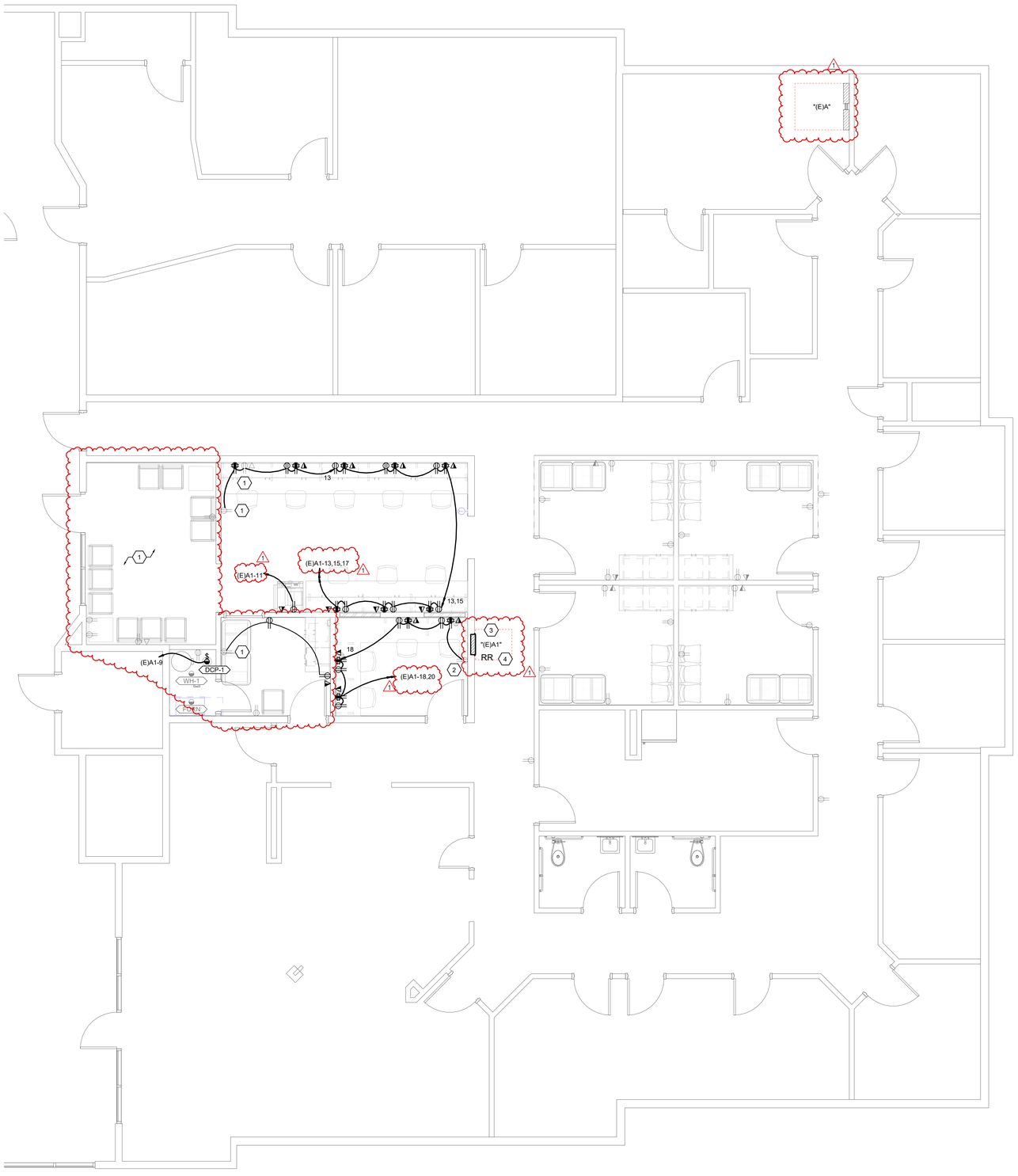
NJRA Project #	24014.00
Construction Documents	June 13, 2025
1 Addendum #2	07/02/25

LEVEL 2 ELECTRICAL DEMOLITION PLAN

ED101



1 LEVEL 2 POWER PLAN
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

1 PROVIDED DEDICATED NETURALS FOR ALL BRANCH CIRCUITS.

2 PROVIDE NEW TYPED PANEL SCHEDULES FOR ALL PANELS AFFECTED BY THE PROJECT.

3 ALL WIRING IN PATIENT CARE AREAS SHALL MEET THE REQUIRMENTS OF NEC 517.13.

4 ALL RECEPTACLES LOCATED WITHIN 6' OF THE EDGE OF A SINK SHALL BE GFCI PROTECTED.

SHEET KEYNOTES

1 CONNECT TO EXISTING RECEPTACLE CIRCUIT.

2 EXISTING RECEPTACLE TO BE RE-FED WITH NEW CIRCUIT.

3

4 PROVIDE FOUR NEW 20A/1P CIRCUIT BREAKERS TO BE INSTALLED IN THE EXISTING EATON PANELBOARD.

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06/13/2025

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NJRA Project #	24014.00
Construction Documents	June 13, 2025
1 Addendum #2	07/02/25

LEVEL 2
POWER PLAN

EP101

PANEL: "(E)A1"

VOLTS/PHASE/WIRE:	PANEL SIZE & TYPE:	MAIN SIZE AND TYPE:	FED FROM:	CABINET:	LOCATION:	NOTES:
120/208V, 3 PH 4 WIRE	22" W x 6" D, BOLT-ON	225 AMPERE MAIN LUGS		RECESSED		

ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR — **AIC RATING:** 0

CKT	OCP			LOAD (kVA)				PHASE LOAD							LOAD (kVA)			OCP		CKT
NO	AMP	POLE	BKR	LTG	PWR	CO	DESCRIPTION	A		B		C		DESCRIPTION	CO	PWR	LTG	BKR	POLE	AMP	NO
1	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	2
3	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	4
5	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	6
7	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	8
9	20	1		0.0	0.1	0.0	DCP-1			0.1	0.0			SPARE	0.0	0.0	0.0		1	20	10
11	20	1		0.0	0.0	0.2	CO WORK ROOM A103					0.2	0.0	SPARE	0.0	0.0	0.0		1	20	12
13	20	1		0.0	0.0	1.3	CO WORK ROOM A103	1.3	0.3					LIGHTING Room A103, A105, A106	0.0	0.0	0.3		1	20	14
15	20	1		0.0	0.0	1.6	CO WORK ROOM A103			1.6	0.0			SPARE	0.0	0.0	0.0		1	20	16
17	20	1		0.0	0.0	1.6	CO WORK ROOM A103					1.6	1.3	CO Room A105, A106	1.3	0.0	0.0		1	20	18
19								1.1						CO BILLING OFFICE A106	1.1	0.0	0.0		1	20	20
21																					22
23																					24
25																					26
27																					28
29																					30
31																					32
33																					34
35																					36
37																					38
39																					40
41																					42

TOTALS: CONNECTED kVA PER PHASE **3** **2** **3** — CONNECTED TOTAL kVA = **7**

CONNECTED AMPS PER PHASE **23** **15** **27** — AVERAGE CONNECTED AMPS PER PHASE = **21**

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS: **0.3 kVA @ 125% = 0.4 kVA** - 100% CONNECTED LOAD PLUS 25% — DIVERSIFIED TOTAL kVA = **8**

RECEPTACLES: **7.0 kVA @ 100% = 7.0 kVA** - FIRST 10kVA @ 100%, REMAINDER @ 50% — AVERAGE AMPS PER PHASE = **21**

ALL OTHER LOADS @ 100% : **0.2 kVA** - MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC

BKR: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI, EX=EXISTING LOAD

EXISTING PANEL: "(E)A"

VOLTS/PHASE/WIRE:	PANEL SIZE & TYPE:	MAIN SIZE AND TYPE:	FED FROM:	CABINET:	LOCATION:	NOTES:
120/208V, 3 PH 4 WIRE	22" W x 6" D, BOLT-ON	225 AMPERE MAIN LUGS		SURFACE		

ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR — **AIC RATING:** 0

CKT	OCP			LOAD (kVA)				PHASE LOAD							LOAD (kVA)			OCP		CKT
NO	AMP	POLE	BKR	LTG	PWR	CO	DESCRIPTION	A		B		C		DESCRIPTION	CO	PWR	LTG	BKR	POLE	AMP	NO
1	20	1		0.0	0.0	0.0	(EX) LTS HALL	0.0	0.0					(EX) BREAK ROOM PLUGS	0.0	0.0	0.0		1	20	2
3	20	1		0.0	0.0	0.0	(EX) LTS HALL & LOBBY			0.0	0.0			(EX) BREAK ROOM PLUGS	0.0	0.0	0.0		1	20	4
5	20	1		0.0	0.0	0.0	(EX) LTS EXAM					0.0	0.0	(EX) BREAK ROOM PLUGS	0.0	0.0	0.0		1	20	6
7	20	1		0.0	0.0	0.0	(EX) LTS EXAM	0.0	0.0					(EX) BREAK ROOM PLUGS	0.0	0.0	0.0		1	20	8
9	20	1		0.0	0.0	0.0	(EX) LTS EXAM			0.0	0.0			(EX) BREAK ROOM PLUGS	0.0	0.0	0.0		1	20	10
11	20	1		0.0	0.0	0.0	(EX) PLUGS					0.0	0.0	(EX) DR OFFICE	0.0	0.0	0.0		1	20	12
13	20	1		0.0	0.0	0.0	(EX) PLUGS	0.0	0.0					(EX) EXAM ROOMS	0.0	0.0	0.0		1	20	14
15	20	1		0.0	0.0	0.0	(EX) EXAM ROOM			0.0	0.0			(EX) EXAM ROOMS	0.0	0.0	0.0		1	20	16
17	20	1		0.0	0.0	0.0	(EX) NURSE STATION					0.0	0.0	(EX) PA OFFICE	0.0	0.0	0.0		1	20	18
19	20	1		0.0	0.0	0.0	(EX)	0.0	0.0					(EX) PA OFFICE	0.0	0.0	0.0		1	20	20
21	20	1		0.0	0.0	0.0	(EX) EXAM ROOMS			0.0	0.0			(EX) EXAM ROOMS	0.0	0.0	0.0		1	20	22
23	20	1		0.0	0.0	0.0	(EX) EXAM ROOMS					0.0	0.0	(EX) EXAM ROOMS	0.0	0.0	0.0		1	20	24
25	20	1		0.0	0.0	0.0	(EX) LAB PLUGS	0.0	0.0					(EX) EXAM ROOMS	0.0	0.0	0.0		1	20	26
27	20	1		0.0	0.0	0.0	(EX) LAB - VFC			0.0	0.0			(EX) EXAM ROOM PLUGS	0.0	0.0	0.0		1	20	28
29	20	1		0.0	0.0	0.0	(EX) LAB					0.0	0.0	(EX) WAITING	0.0	0.0	0.0		1	20	30
31	20	1		0.0	0.0	0.0	(EX) LAB PLUGS	0.0	0.0					(EX) EXAM PLUGS	0.0	0.0	0.0		1	20	32
33	20	1		0.0	0.0	0.0	(EX) LAB PLUGS			0.0	0.0			(EX) EXAM PLUG	0.0	0.0	0.0		1	20	34
35	20	1		0.0	0.0	0.0	(EX) LAB					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	36
37	20	1		0.0	0.0	0.0	(EX) PLUGS	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	38
39	20	1		0.0	0.0	0.0	(EX) PLUGS			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	40
41	20	1		0.0	0.0	0.0	(EX) EXAM ROOM PLUGS					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	42
43	30	2		0.0	0.0	0.0	(EX) CONDENSING UNIT	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	44
45	--	--	--	--	--	--	--			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	46
47	30	2		0.0	0.0	0.0	(EX) CONDENSING UNIT					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	48
49	--	--	--	--	--	--	--	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	50
51	20	1		0.0	0.0	0.0	(EX) FURNACE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	52
53	20	1		0.0	0.0	0.0	(EX) FURNACE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	54
55	--	1		0.0	0.0	0.0	SPACE	--	0.0					SPARE	0.0	0.0	0.0		1	20	56
57	--	1		0.0	0.0	0.0	SPACE			--	0.0			SPARE	0.0	0.0	0.0		1	20	58
59	--	1		0.0	0.0	0.0	SPACE					--	--	SPACE	0.0	0.0	0.0		1	--	60
61	--	1		0.0	0.0	0.0	SPACE	--	--					SPACE	0.0	0.0	0.0		1	--	62
63	--	1		0.0	0.0	0.0	SPACE			--	--			SPACE	0.0	0.0	0.0		1	--	64
65	--	1		0.0	0.0	0.0	SPACE					--	--	SPACE	0.0	0.0	0.0		1	--	66
67	--	1		0.0	0.0	0.0	SPACE	--	--					SPACE	0.0	0.0	0.0		1	--	68
69	--	1		0.0	0.0	0.0	SPACE			--	--			SPACE	0.0	0.0	0.0		1	--	70
71	--	1		0.0	0.0	0.0	SPACE					--	--	SPACE	0.0	0.0	0.0		1	--	72
73	--	1		0.0	0.0	0.0	SPACE	--	--					SPACE	0.0	0.0	0.0		1	--	74
75	--	1		0.0	0.0	0.0	SPACE			--	--			SPACE	0.0	0.0	0.0		1	--	76
77	--	1		0.0	0.0	0.0	SPACE					--	--	SPACE	0.0	0.0	0.0		1	--	78
79	--	1		0.0	0.0	0.0	SPACE	--	--					SPACE	0.0	0.0	0.0		1	--	80
81	--	1		0.0	0.0	0.0	SPACE			--	--			SPACE	0.0	0.0	0.0		1	--	82
83	--	1		0.0	0.0	0.0	SPACE					--	--	SPACE	0.0	0.0	0.0		1	--	84

TOTALS: CONNECTED kVA PER PHASE **0** **0** **0** — CONNECTED TOTAL kVA = **0**

CONNECTED AMPS PER PHASE **0** **0** **0** — AVERAGE CONNECTED AMPS PER PHASE = **0**

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS: - 100% CONNECTED LOAD PLUS 25% — DIVERSIFIED TOTAL kVA = **0**

RECEPTACLES: - FIRST 10kVA @ 100%, REMAINDER @ 50% — AVERAGE AMPS PER PHASE = **0**

ALL OTHER LOADS @ 100% : **0.0 kVA** - MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC

BKR: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI, EX=EXISTING LOAD

BRANCH CIRCUIT CONDUCTOR AND CONDUIT SIZING TABLE

CIRCUIT AMPACITY/VOLTAGE	CIRCUIT LENGTH	CONDUCTOR SIZE (PHASE, NEUTRAL AND GR)	CONDUIT SIZE
20A/120V	0' - 80'	#12 AWG	0.75" Ø
20A/120V	80' - 95'	#10 AWG	0.75" Ø
20A/120V	95' - 150'	#8 AWG	1" Ø
20A/120V	150' - 240'	#6 AWG	1.25" Ø
20A/277V	0' - 140'	#12 AWG	0.75" Ø
20A/277V	140' - 220'	#10 AWG	0.75" Ø
20A/277V	220' - 350'	#8 AWG	1" Ø
20A/277V	350' - 550'	#6 AWG	1.25" Ø

NOTES:

1. WIRE SIZING IS BASED ON COPPER CONDUCTORS SUPPLYING A 20A, 120V CIRCUIT AT THE INDICATED VOLTAGE, ASSUMED TO BE 80% LOADED (16A), WITH MAXIMUM VOLTAGE DROP OF 3% AT THE LOAD.
2. DOWN-SIZED WIRE AT DEVICE/LOAD AS REQUIRED AND TERMINATE CONDUCTORS IN A SAFE AND CODE COMPLIANT MANNER.
3. CONDUIT SIZE IS BASED ON A MAXIMUM OF 3 CIRCUITS PER CONDUIT, EACH WITH A SEPARATE NEUTRAL CONDUCTOR.

GENERAL SHEET NOTES

1. PROVIDE NEMA 3R ENCLOSURES FOR EQUIPMENT LOCATED OUTDOORS. REFER TO PLANS FOR EQUIPMENT LOCATIONS.
2. REFER TO PLANS FOR CONSTRAINTS ON PHYSICAL DIMENSIONS AND CLEARANCE REQUIREMENTS OF EQUIPMENT. PROVIDE EQUIPMENT DIMENSIONS THAT FALL WITHIN THE CONSTRAINTS OF EACH SPECIFIC LOCATION.
3. ALL EQUIPMENT SHALL BE CONSTRUCTED AND BRACED FOR THE SEISMIC CONDITIONS OF THE PROJECT. REFER TO ELECTRICAL SPECIFICATIONS FOR REQUIREMENTS.
4. PROVIDE PERFORMANCE TESTING FOR GROUND-FAULT PROTECTION SYSTEMS ON SITE WITH A WRITTEN RECORD OF THIS TEST SUBMITTED TO THE AUTHORITY HAVING JURISDICTION PER NEC 230.95(C).

SHEET KEYNOTES

1. EXISTING PANEL TO BE RELOCATED TO FACE THE CORRIDOR.
2.

COPPER CONDUCTOR AND CONDUIT SCHEDULE

SCHEDULE NUMBER

SUBSCRIPT (NOTE 5)

(E.G. 5C IG)

CONDUCTOR AND CONDUIT SCHEDULE NOTES

1. CONDUCTORS SHOWN ARE SHOWN FOR EACH CONDUIT WITH MODIFICATIONS AS NOTED IN NOTE 5. ALL CONDUCTORS SHOWN ARE THWN UNLESS OTHERWISE NOTED.
2. PROVIDE EQUIPMENT GROUND CONDUCTORS PER TABLE 250-122 WHEN CIRCUIT BREAKERS ARE SIZED GREATER THAN AMPERE RATING SHOWN IN TABLE.
3. PROVIDE #10 NEUTRALS FOR MULTIWIRE BRANCH CIRCUITS SERVING COMPUTERS.
4. GROUND (G) CONDUCTOR MAY BE DELETED ON SERVICE ENTRANCE CONDUCTORS.
5. SYMBOL SUBSCRIPTS:
   - "2N": INCLUDE TWO NEUTRAL CONDUCTORS SIZED AS SCHEDULED FOR PHASE AND NEUTRAL CONDUCTORS WHERE THE CONDUCTOR IS #1/0 OR LARGER. INCLUDE A SINGLE 200% RATED CONDUCTOR THAT IS TWICE THE AMPACITY OF THE SCHEDULED PHASE AND NEUTRAL CONDUCTOR WHERE THE CONDUCTOR IS BELOW #1/0 IN SIZE.
   - "CI": PROVIDE CIRCUIT INTEGRITY CABLE; TYPE TWO-HOUR FIRE RESISTIVE CABLES IN CONDUIT OR PROVIDE FEEDER ENCASED IN CONCRETE.
   - "FG" FULL SIZE GROUND, SIZE EQUIPMENT GROUNDING CONDUCTOR TO BE SAME SIZE AS THE PHASE CONDUCTORS.
   - "HH": NEUTRAL CURRENTS EXIST DUE TO HIGH HARMONIC "NONLINEAR" LOADS. CURRENT CARRYING CONDUCTORS DERATED ACCORDINGLY. PROVIDE THE IG/HH SIZE FOR THE EQUIPMENT GROUNDING CONDUCTOR.
   - "IG": INCLUDE IG (INSULATED/ISOLATED GROUND CONDUCTOR) SCHEDULED ALONG WITH THE GROUND OF EQUIPMENT GROUND CONDUCTOR.
   - "MC": PROVIDE FEEDER IN METAL-CLAD CABLE; TYPE MC IN PLACE OF SINGLE CONDUCTORS IN CONDUIT.
   - "SE": SUBSTITUTE "SE" CONDUCTOR FOR "G" CONDUCTOR SHOWN, WHICH IS SIZED FOR THE GROUNDING OF THE SECONDARY OF THE SEPARATELY DERIVED SYSTEM.
   - "SER": PROVIDE SERVICE-ENTRANCE CABLE; TYPE SE OR SER IN PLACE OF SINGLE CONDUCTORS IN CONDUIT.
6. RACEWAY ONLY. CONDUCTORS PROVIDED BY UTILITY.

SYM	AMP	HH AMPS	CONDUIT SIZE	CONDCUTOR (NOTE 1) QTY	SIZE	G	IG/HH	SE	NOTES
1C	20	-	0.75	2	12	12	12	8	2
2C	20	-	0.75	3	12	12	12	8	2
3C	20	24	0.75	4	12	12	12	8	2
4C	30	-	0.75	2	10	10	10	8	2
5C	30	-	0.75	3	10	10	10	8	2
6C	30	32	0.75	4	10	10	10	8	2
7C	40	-	1	2	8	10	8	6	2
8C	40	-	1	3	8	10	8	6	2
9C	40	44	1	4	8	10	8	6	2
10C	55	-	1	2	6	10	8	4	2
11C	55	-	1	3	6	10	8	4	2
12C	55	60	1.25	4	6	10	8	4	2
13C	70	-	1	2	4	8	4	2	2
14C	70	-	1.25	3	4	8	4	2	2
15C	70	76	1.25	4	4	8	4	2	2
16C	85	-	1.25	2	3	8	3	2	2
17C	85	-	1.25	3	3	8	3	2	2
18C	85	92	1.25	4	3	8	3	2	2
19C	95	-	1.25	3	2	8	2	2	2
20C	95	104	1.5	4	2	8	2	2	2
21C	130	-	1.5	3	1	6	2	2	2
22C	130	116	1.5	4	1	6	2	2	2
23C	150	-	2	3	1/0	6	2	1/0	2
24C	150	136	2	4	1/0	6	2	1/0	2
28C	200	180	2.5	4	3/0	6	2	2/0	2
29C	230	-	2.5	3	4/0	4	2	2/0	2
30C	230	208	2.5	4	4/0	4	2	2/0	2
34C	310	280	3	4	350	3	1/0	3/0	2
35C	380	-	3.5	3	500	3	3/0	3/0	2
37C	400	-	2 EA 2	3	3/0	3	3/0	3/0	2
38C	400	360	2 EA 2.5	4	3/0	3	3/0	3/0	2
41C	620	-	2 EA 3	3	350	1/0	4/0	3/0	2
42C	620	560	2 EA 3	4	350	1/0	4/0	3/0	2
52C	1240	1120	4 EA 3	4	350	3/0	4/0	3/0	4
53C	1675	1520	5 EA 4	4	400	4/0	4/0	4/0	4
55C	2660	2408	7 EA 4	4	500	350	350	350	4

EQUIPMENT SCHEDULE

EQUIPMENT SCHEDULE KEY	NOTES:	GENERAL NOTES:
E - DIVISION 26 Q - FURNISHED WITH EQUIPMENT, INSTALLED BY DIV.26	1. PROVIDE MANUAL STARTER WITH THERMAL OVERLOAD AND RELAY FOR ATC/BAS CONTROL. 2. PROVIDE FUSED DISCONNECT ELEVATOR POWER MODULE WITH SHUNT TRIP 3. INDOOR UNITS FED FROM OUTDOOR UNIT. PROVIDE DISCONNECTS FOR BOTH.	1. LOCATE ELECTRICAL EQUIPMENT IN ACCESSIBLE LOCATION, SUCH THAT IT IS WITHIN SIGHT OF THE EQUIPMENT IT IS SERVING, AND COMPLIES WITH N.E.C. REQUIRED CLEARANCES. 2. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND SIZE FEEDER, STARTER, DISCONNECT AND OVERCURRENT PROTECTION IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OF ACTUAL EQUIPMENT SUPPLIED. 3. ELECTRICAL CONTRACTOR SHALL REVIEW OTHER DIVISION DRAWINGS FOR ANY ADDITIONAL REQUIREMENTS PRIOR TO BID. 4. ELECTRICAL CONTRACTOR SHALL REVIEW OTHER DIVISION SUBMITTALS FOR ANY EQUIPMENT REQUIRING CONNECTION BY ELECTRICAL CONTRACTOR AND COORDINATE ALL REQUIREMENTS PRIOR TO ROUGH-IN.

LABEL	QTY	DESCRIPTION	LOAD DATA HP	kW	MCA	FLA	V	PH	WIRE AND CONDUIT SIZE	OCPD DEVICE	OCPD FED FROM	DISCONNECT PROVIDED BY	DISCONNECT DEVICE	MOTOR CONTROLLER PROVIDED BY	MOTOR CONTROLLER DEVICE	MOTOR CONTROLLER SIZES	NEMA ENCLOSURE RATING	NOTES
DCP-1	1	HOT WATER RECIRC PUMP	-	-	-	1.2	120	1	2 #12, #12 GR 0.75" CND	20/1 CB	(E)A1	E	TOGGLE SWITCH	Q	-	-	-	

FLOORBOX SCHEDULE

ABBREVIATIONS

RATINGS **USE** **CONNECTION**

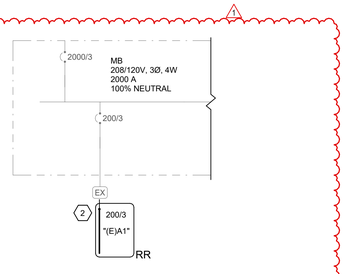
FINISH

NOTES: **COVER**

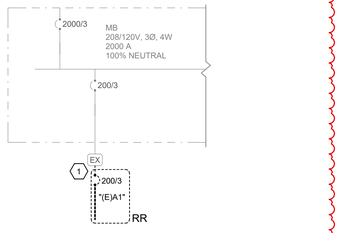
1 PROVIDE ALL REQUIRED HARDWARE FOR COMPLETE INSTALLATION.

2 INCLUDE SEPARATION BARRIER BETWEEN SYSTEMS AND POWER.

ID	DESCRIPTION	DUPLEX	DATA	AV	FURNITURE	RATINGS	USE	CONNECTION	COVER	FINISH	MANUFACTURERS	NOTES



2 NEW ONE LINE DIAGRAM
SCALE: NTS



1 DEMOLITION ONE-LINE DIAGRAM
SCALE: NTS

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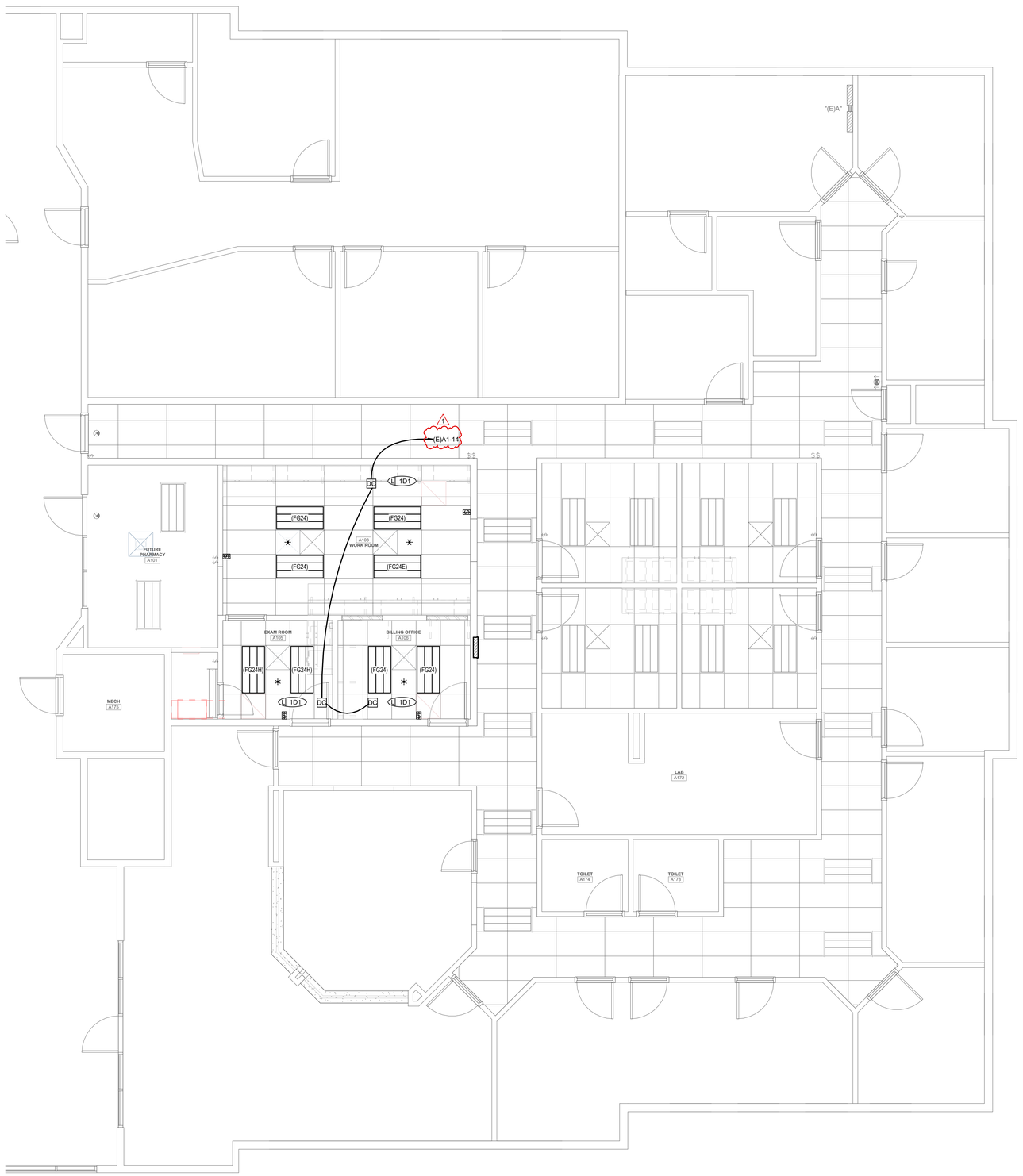
NJRA Project #	24014.00
Construction Documents	June 13, 2025
1 Addendum #2	07/02/25

ONE-LINE DIAGRAM

EP601



1 LEVEL 2 LIGHTING PLAN
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTES

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LEVEL 2
LIGHTING
PLAN

EL101