Sunny Side Bagels #12 Tenant Fit-Out: Site Walk Packet

Demo Electric Co. · Electrical bid · Walk date: _____ Time: _____ · internal, not for distribution

Job	Sunny Side Bagels #12 Tenant Fit-Out · 4410 Example Pkwy, Suite B, Anytown, NC 28000
GC	Northpoint Builders
Bid due	2026-11-24 14:00
Site walk	2026-11-17 09:00
Plans	plans/SSB12-Electrical-Bid-Set.pdf
GC contact	Dana Whitfield · dana.whitfield@northpoint-builders.example · (555) 010-4471

Why this walk matters

> The documents put existing conditions on us: verify the panel, the equipment nameplates and the routes before the number goes in.

Site walk checklist

1. Service + panels · `E-0.1`

- [ ] Photograph every panel: cover off, nameplate, breaker layout, directory.
  Answer / note:
- [ ] Count open spaces and spaces needed by the new circuits; note bus rating and main/MLO.
  Answer / note:
- [ ] Make, model and age of each existing panel; are matching breakers still made?
  Answer / note:
- [ ] Working space in front of each panel: 30 in wide, 36 in deep, 6 ft 6 in headroom, nothing stored.
  Answer / note:
- [ ] Where does the service/feeder come from (house panel, meter bank, CT cabinet)? Meter number.
  Answer / note:
- [ ] Panel LP-1: confirm it can take the 13 circuits on the plans.
  Answer / note:

2. Above the ceiling · `E-1.0`

- [ ] Lift a tile in each area: ceiling height, grid type, plenum or not, space for J-hooks.
  Answer / note:
- [ ] Existing wiring above: what stays, what is abandoned, any live circuits to make safe.
  Answer / note:

- [ ] Path for home runs from the panel to each area: walls, beams or ducts in the way.

  Answer / note:

- [ ] Existing fire alarm devices and who services the system.

  Answer / note:

3. Walls + floors · `E–2.0`

- [ ] Wall types where new devices go: stud wall (fish) or block/demising wall (surface raceway or cut)?

  Answer / note:

- [ ] Floor: slab on grade? Any floor boxes or trenching implied by the plans?

  Answer / note:

- [ ] Counter, casework and equipment locations marked yet? Heights for counter receptacles.

  Answer / note:

4. Equipment connections · `E–0.1`

- [ ] Read the nameplate (volts, phase, amps, MCA/MOCP) of every owner-furnished item already on site.

  Answer / note:

- [ ] Plug type vs. receptacle on the plans for each cord-and-plug item.

  Answer / note:

- [ ] Disconnect locations: within sight of each motor/unit?

  Answer / note:

- [ ] EQ-1: nameplate and connection type.

  Answer / note:

- [ ] EQ-2: nameplate and connection type.

  Answer / note:

- [ ] HD-1: nameplate and connection type.

  Answer / note:

- [ ] RTU-1: nameplate and connection type.

  Answer / note:

- [ ] WH-1: nameplate and connection type.

  Answer / note:

5. Roof + exterior · `E–2.0`

- [ ] Roof access (hatch/ladder), roof type, existing penetrations and curb for each unit.

  Answer / note:

- [ ] Conduit route on the roof to each unit; supports required (no conduit laid on the membrane).

  Answer / note:

- [ ] Sign location: J-box height, existing sign circuit and time clock?

  Answer / note:

6. Site logistics

- [ ] Work hours, parking, material storage, dumpster; is the center occupied (noise/shutdown rules)?

  Answer / note:

- [ ] Who does shutdowns of the building system and how much notice they need.

  Answer / note:

- [ ] Existing damage to note before starting (photos).

  Answer / note:

7. Settle the flags

- [ ] Wiring method conflict. General notes call for THHN in EMT; the spec allows MC above accessible ceilings. Which governs? We plan to price MC where allowed.

  Answer / note:

- [ ] No change orders for existing conditions. Confirm what existing-condition info is available (panel survey, as-builts) and allow the walk to verify.

  Answer / note:

- [ ] Circuit LP-1-10 not scheduled. SIGN is on LP-1-10 on the plans, but the panel schedule shows it SPARE. Confirm the breaker and load.

  Answer / note:

- [ ] WH-1 breaker size. Panel schedule shows 20A; equipment schedule says 30A per MECH M-2. Which is correct?

  Answer / note:

- [ ] Roof conduit must be rigid. Spec requires RMC on the roof; priced as rigid with supports, not EMT.

  Answer / note:

Questions to settle (ask at the walk or send to the GC)

- [ ] **Wiring method conflict.** General notes call for THHN in EMT; the spec allows MC above accessible ceilings. Which governs? We plan to price MC where allowed. `E-0.1`

  Answer / note:

- [ ] **No change orders for existing conditions.** Confirm what existing-condition info is available (panel survey, as-builts) and allow the walk to verify. `E-0.1`

  Answer / note:

- [ ] **Circuit LP-1-10 not scheduled.** SIGN is on LP-1-10 on the plans, but the panel schedule shows it SPARE. Confirm the breaker and load. `E-0.1, plans`

  Answer / note:

- [ ] **WH-1 breaker size.** Panel schedule shows 20A; equipment schedule says 30A per MECH M-2. Which is correct? `E-0.1`

  Answer / note:

- [ ] **Roof conduit must be rigid.** Spec requires RMC on the roof; priced as rigid with supports, not EMT. `E-0.1`

  Answer / note:

Photos to take

- [ ] Each panel, cover off and directory

  Answer / note:

- [ ] Service/meter equipment

  Answer / note:

- [ ] Above-ceiling space in each area

  Answer / note:

- [ ] Panel wall and working space

  Answer / note:

- [ ] Roof route to each unit

  Answer / note:

- [ ] Storefront/sign location

  Answer / note:

Scope & counts

Item	Qty / note	Sheet
A	10	
B	4	
EQ-1	1	
EQ-2	1	
HD-1	1	
R	5	
R-POS	2	
R1	4	
RTU-1	1	
SIGN	1	
WH-1	1	
X	2	

Not ours (exclusions)

Exterior sign by owner's sign vendor; Fire alarm: existing building system, by others

Risks

- Wiring method conflict.
- No change orders for existing conditions.
- Circuit LP-1-10 not scheduled.
- WH-1 breaker size.

Bid breakdown

Bid breakdown: Sunny Side Bagels #12 Tenant Fit-Out

GC: Northpoint Builders · due 2026-11-24 14:00 · basis E-0.1, E-1.0, E-2.0

Labor

Task	Hours
Mobilize, layout, cleanup	4
Panel work: breakers, directory, terminations	6.25
Home runs + branch circuits (MC on J-hooks)	18.2
Devices + fixtures set and trimmed	16.5
Equipment connections	6

Test, label, punch	3
Total	**53.95**

Labor at $150 first hour + $110/hr after: **$5,974**

Materials

Item	Qty	Unit	Unit cost	Ext	Basis
12/2 MC	1240	ft	$0.85	$1,054	Estimate
10/2 MC	40	ft	$1.45	$58	Estimate
#8 THHN in 3/4" RMC	40	ft	$2.50	$100	Estimate
Devices, boxes, plates, connectors (per device)	33	ea	$18.00	$594	Estimate
Breakers	13	ea	$45.00	$585	Estimate
J-hooks, straps, hardware	1	lot	$150.00	$150	Estimate

Materials $2,541 + 25% markup = **$3,176**

Rough number

Labor	$5,974
Materials	$3,176
Permit	$250
Total	**$9,401**

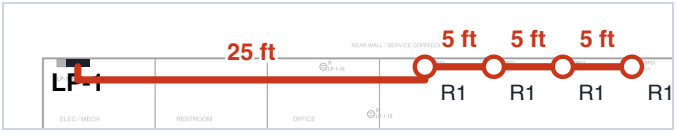
Assumptions

- Offline estimate: footage is 40 ft per device; hours are rule-of-thumb. Re-run with Claude for a real read.
- Lines marked Estimate need a supplier quote before the final number.

Run cards: how each run goes in

Every MC and conduit run, step by step from the panel, with the feet for each leg, box heights and what to bring. Close-ups are drawn over the issued sheet; the full drawings follow.

LP-1:1 · Prep Counter Receptacles R1 — 12/2 MC · 86 ft



1. Start at Panel LP-1: leave the top and go up 3.5 ft to above the ceiling.
2. ↓ Run **1.0 ft** toward the storefront.
3. → Run **25.1 ft** toward the right demising wall.
4. ↑ Run **1.0 ft** toward the rear wall.
5. Branch: from the box above, continue to the next device:
6. → Run **5.0 ft** toward the right demising wall.
7. Branch: from the box above, continue to the next device:
8. → Run **5.0 ft** toward the right demising wall.
9. Branch: from the box above, continue to the next device:
10. → Run **5.0 ft** toward the right demising wall.
11. ↓ Drop **6.5 ft** to **R1** Prep Counter Receptacles R1: box at **42" AFF**.
12. ↓ Drop **6.5 ft** to **R1** Prep Counter Receptacles R1: box at **42" AFF**.
13. ↓ Drop **6.5 ft** to **R1** Prep Counter Receptacles R1: box at **42" AFF**.
14. ↓ Drop **6.5 ft** to **R1** Prep Counter Receptacles R1: box at **42" AFF**.

Material for this run: 86 ft 12/2 MC (with slack), 9 MC connectors, about 14 J-hooks/straps (within 12 in of each box, every 6 ft max, NEC 330.30)

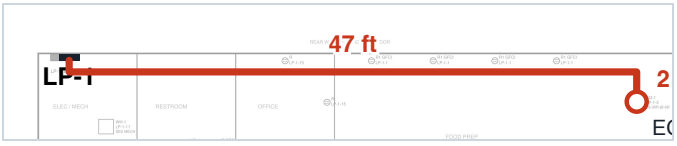
Field note:

LP-1:3 · Bagel Oven EQ-1 — 10/2 MC · 69 ft

1. Start at Panel LP-1: leave the top and go up 3.5 ft to above the ceiling.
2. ↓ Run **1.0 ft** toward the storefront.
3. → Run **46.6 ft** toward the right demising wall.
4. ↓ Run **2.5 ft** toward the storefront.
5. ↓ Drop **6.0 ft** to **EQ-1** Bagel Oven EQ-1: box at **48" AFF**.

Material for this run: 69 ft 10/2 MC (with slack), 3 MC connectors, about 13 J-hooks/straps (within 12 in of each box, every 6 ft max, NEC 330.30)

Field note:

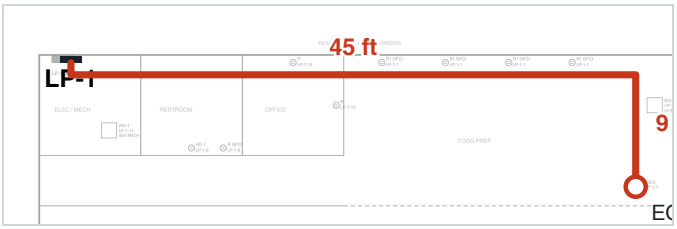


LP-1:7 · Reach-in Cooler EQ-2 — 12/2 MC · 77 ft

1. Start at Panel LP-1: leave the top and go up 3.5 ft to above the ceiling.
2. ↓ Run **1.0 ft** toward the storefront.
3. → Run **45.1 ft** toward the right demising wall.
4. ↓ Run **8.9 ft** toward the storefront.
5. ↓ Drop **8.5 ft** to **EQ-2** Reach-in Cooler EQ-2: box at **18" AFF**.

Material for this run: 77 ft 12/2 MC (with slack), 3 MC connectors, about 14 J-hooks/straps (within 12 in of each box, every 6 ft max, NEC 330.30)

Field note:

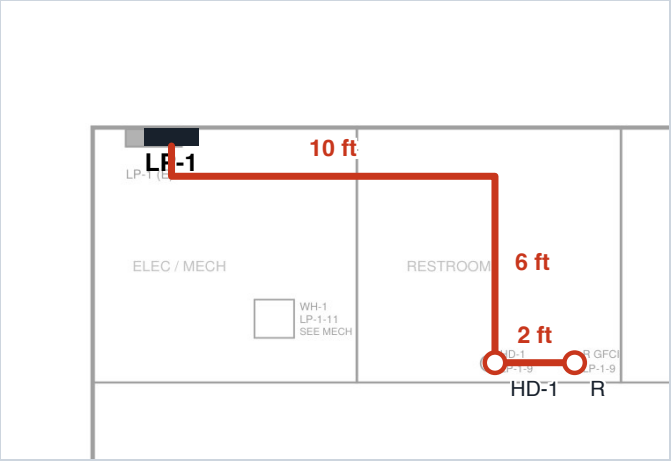


LP-1:9 · Restroom Hand Dryer HD-1 + GFCI — 12/2 MC · 46 ft

1. Start at Panel LP-1: leave the top and go up 3.5 ft to above the ceiling.
2. ↓ Run **1.0 ft** toward the storefront.
3. → Run **10.2 ft** toward the right demising wall.
4. ↓ Run **5.9 ft** toward the storefront.
5. Branch: from the box above, continue to the next device:
6. → Run **2.5 ft** toward the right demising wall.
7. ↓ Drop **6.5 ft** to **HD-1** Restroom Hand Dryer HD-1 + GFCI: box at **42" AFF**.
8. ↓ Drop **8.5 ft** to **R** Restroom Hand Dryer HD-1 + GFCI: box at **18" AFF**.

Material for this run: 46 ft 12/2 MC (with slack), 5 MC connectors, about 7 J-hooks/straps (within 12 in of each box, every 6 ft max, NEC 330.30)

Field note:

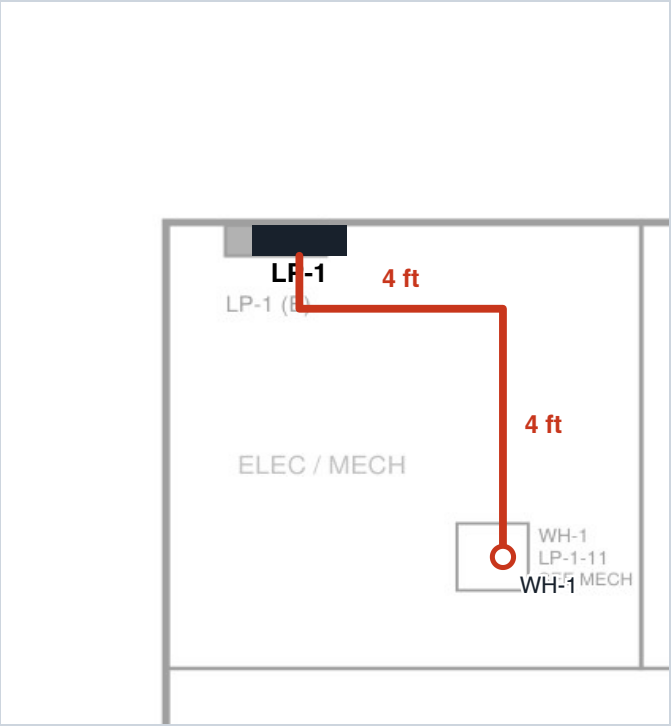


LP-1:11 · Water Heater WH-1 — 12/2 MC · 26 ft

1. Start at Panel LP-1: leave the top and go up 3.5 ft to above the ceiling.
2. ↓ Run **1.0 ft** toward the storefront.
3. → Run **3.6 ft** toward the right demising wall.
4. ↓ Run **4.5 ft** toward the storefront.
5. ↓ Drop **8.5 ft** to **WH-1** Water Heater WH-1: box at **18" AFF**.

Material for this run: 26 ft 12/2 MC (with slack), 3 MC connectors, about 4 J-hooks/straps (within 12 in of each box, every 6 ft max, NEC 330.30)

Field note:

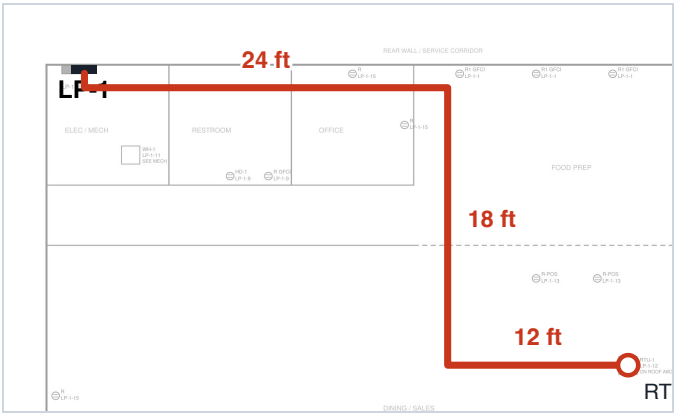


LP-1:12 · RTU-1 (roof) — #8 THHN in 3/4" RMC · 77 ft

1. Start at Panel LP-1: leave the top and go up 3.5 ft to above the ceiling.
2. ↓ Run **1.0 ft** toward the storefront.
3. → Run **24.1 ft** toward the right demising wall.
4. ↓ Run **18.4 ft** toward the storefront.
5. → Run **12.0 ft** toward the right demising wall.
6. ↓ Drop **8.5 ft** to **RTU-1** RTU-1 (roof): box at **18" AFF**.

Material for this run: About 8 sticks #8 THHN in 3/4" RMC, 5 couplings, 8 straps (within 3 ft of each box, every 10 ft), 3 turns + drops = about 450° of bends

Field note:

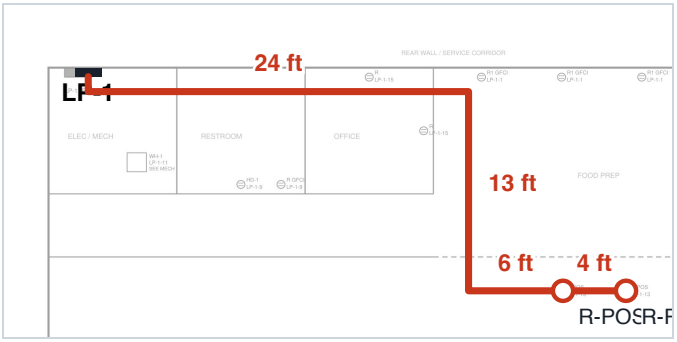


LP-1:13 · POS Counter Receptacles — 12/2 MC · 75 ft

1. Start at Panel LP-1: leave the top and go up 3.5 ft to above the ceiling.
2. ↓ Run **1.0 ft** toward the storefront.
3. → Run **24.1 ft** toward the right demising wall.
4. ↓ Run **12.6 ft** toward the storefront.
5. → Run **6.0 ft** toward the right demising wall.
6. Branch: from the box above, continue to the next device:
7. → Run **4.0 ft** toward the right demising wall.
8. ↓ Drop **6.5 ft** to **R-POS** POS Counter Receptacles: box at **42" AFF**.
9. ↓ Drop **6.5 ft** to **R-POS** POS Counter Receptacles: box at **42" AFF**.

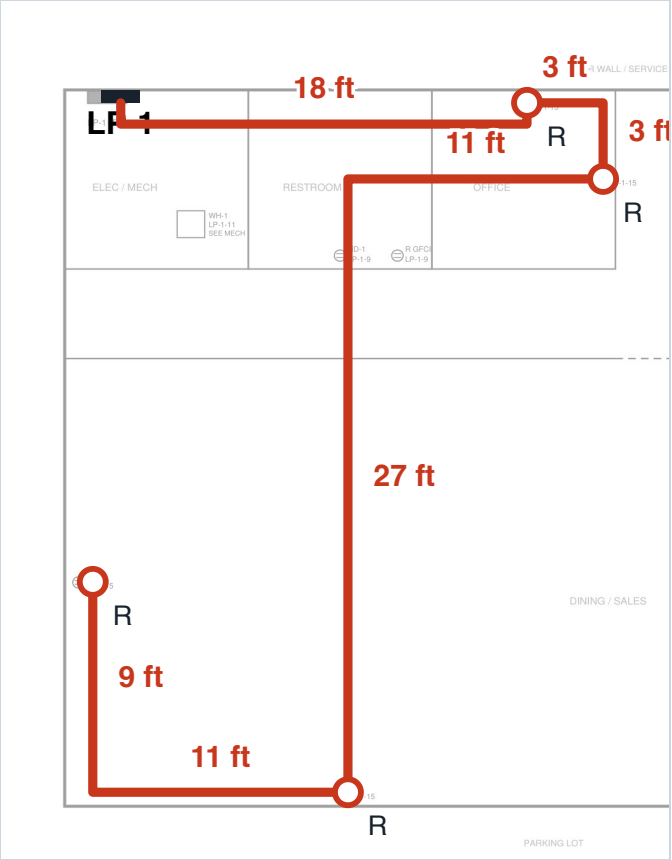
Material for this run: 75 ft 12/2 MC (with slack), 5 MC connectors, about 13 J-hooks/straps (within 12 in of each box, every 6 ft max, NEC 330.30)

Field note:



LP-1:15 · Office + Dining Receptacles — 12/2 MC · 144 ft

1. Start at Panel LP-1: leave the top and go up 3.5 ft to above the ceiling.
2. ↓ Run **1.0 ft** toward the storefront.
3. → Run **18.1 ft** toward the right demising wall.
4. ↑ Run **1.0 ft** toward the rear wall.
5. Branch: from the box above, continue to the next device:
6. → Run **3.4 ft** toward the right demising wall.
7. ↓ Run **3.4 ft** toward the storefront.
8. Branch: from the box above, continue to the next device:
9. ← Run **11.4 ft** toward the left demising wall.
10. ↓ Run **27.4 ft** toward the storefront.
11. Branch: from the box above, continue to the next device:
12. ← Run **11.4 ft** toward the left demising wall.
13. ↑ Run **9.4 ft** toward the rear wall.
14. ↓ Drop **8.5 ft** to **R** Office + Dining Receptacles: box at **18" AFF**.
15. ↓ Drop **8.5 ft** to **R** Office + Dining Receptacles: box at **18" AFF**.
16. ↓ Drop **8.5 ft** to **R** Office + Dining Receptacles: box at **18" AFF**.
17. ↓ Drop **8.5 ft** to **R** Office + Dining Receptacles: box at **18" AFF**.

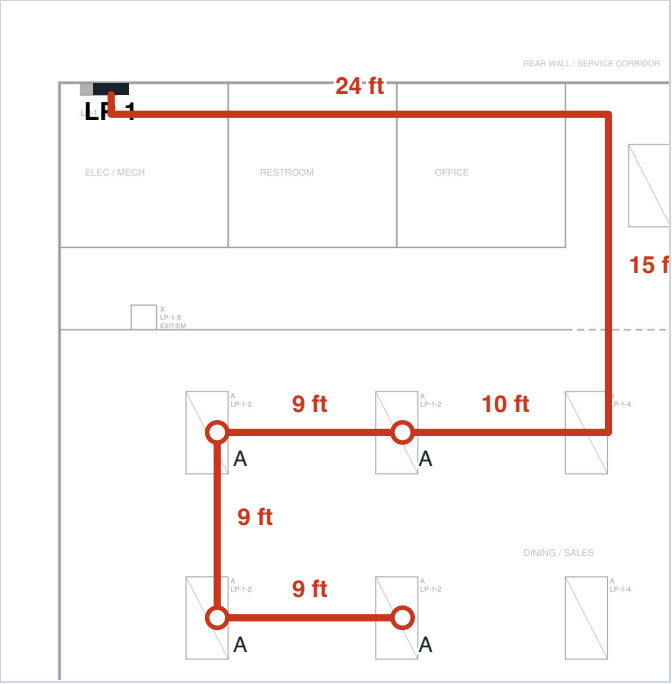


Material for this run: 144 ft 12/2 MC (with slack), 9 MC connectors, about 24 J-hooks/straps (within 12 in of each box, every 6 ft max, NEC 330.30)

Field note:

LP-1:2 · Dining Lighting (type A) — 12/2 MC · 97 ft

1. Start at Panel LP-1: leave the top and go up 3.5 ft to above the ceiling.
2. ↓ Run **1.0 ft** toward the storefront.
3. → Run **24.1 ft** toward the right demising wall.
4. ↓ Run **15.4 ft** toward the storefront.
5. ← Run **10.0 ft** toward the left demising wall.
6. Branch: from the box above, continue to the next device:
7. ← Run **9.0 ft** toward the left demising wall.
8. Branch: from the box above, continue to the next device:
9. ↓ Run **9.0 ft** toward the storefront.
10. Branch: from the box above, continue to the next device:
11. → Run **9.0 ft** toward the right demising wall.
12. At the ceiling: connect **A** Dining Lighting (type A) (ceiling-mounted).
13. At the ceiling: connect **A** Dining Lighting (type A) (ceiling-mounted).
14. At the ceiling: connect **A** Dining Lighting (type A) (ceiling-mounted).
15. At the ceiling: connect **A** Dining Lighting (type A) (ceiling-mounted).

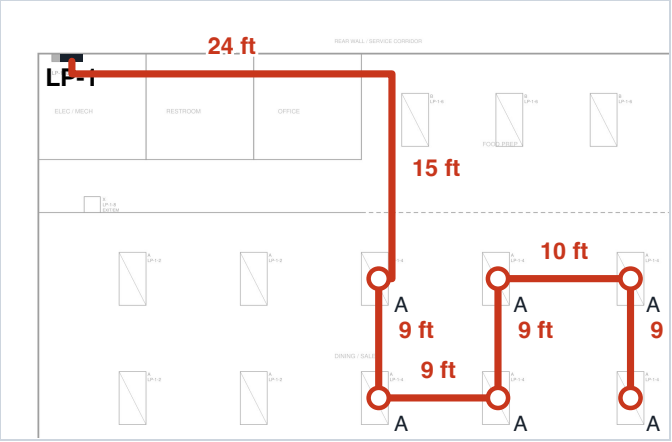


Material for this run: 97 ft 12/2 MC (with slack), 9 MC connectors, about 22 J-hooks/straps (within 12 in of each box, every 6 ft max, NEC 330.30)

Field note:

LP-1:4 · Dining Lighting (type A) — 12/2 MC · 111 ft

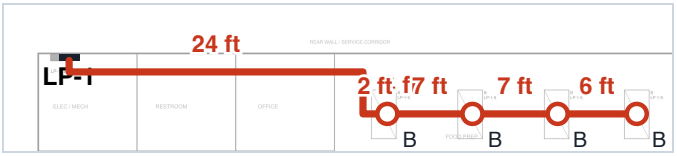
1. Start at Panel LP-1: leave the top and go up 3.5 ft to above the ceiling.
2. ↓ Run **1.0 ft** toward the storefront.
3. → Run **24.1 ft** toward the right demising wall.
4. ↓ Run **15.4 ft** toward the storefront.
5. ← Run **1.0 ft** toward the left demising wall.
6. Branch: from the box above, continue to the next device:
7. ↓ Run **9.0 ft** toward the storefront.
8. Branch: from the box above, continue to the next device:
9. → Run **9.0 ft** toward the right demising wall.
10. Branch: from the box above, continue to the next device:
11. ↑ Run **9.0 ft** toward the rear wall.
12. Branch: from the box above, continue to the next device:
13. → Run **10.0 ft** toward the right demising wall.
14. Branch: from the box above, continue to the next device:
15. ↓ Run **9.0 ft** toward the storefront.
16. At the ceiling: connect **A** Dining Lighting (type A) (ceiling-mounted).
17. At the ceiling: connect **A** Dining Lighting (type A) (ceiling-mounted).
18. At the ceiling: connect **A** Dining Lighting (type A) (ceiling-mounted).
19. At the ceiling: connect **A** Dining Lighting (type A) (ceiling-mounted).
20. At the ceiling: connect **A** Dining Lighting (type A) (ceiling-mounted).
21. At the ceiling: connect **A** Dining Lighting (type A) (ceiling-mounted).



Material for this run: 111 ft 12/2 MC (with slack), 13 MC connectors, about 26 J-hooks/straps (within 12 in of each box, every 6 ft max, NEC 330.30)

Field note:

LP-1:6 · Prep Lighting (type B) — 12/2 MC · 68 ft



1. Start at Panel LP-1: leave the top and go up 3.5 ft to above the ceiling.
2. ↓ Run **1.0 ft** toward the storefront.
3. → Run **24.1 ft** toward the right demising wall.
4. ↓ Run **3.5 ft** toward the storefront.
5. → Run **2.0 ft** toward the right demising wall.
6. Branch: from the box above, continue to the next device:
7. → Run **7.0 ft** toward the right demising wall.
8. Branch: from the box above, continue to the next device:
9. → Run **7.0 ft** toward the right demising wall.
10. Branch: from the box above, continue to the next device:
11. → Run **6.5 ft** toward the right demising wall.
12. At the ceiling: connect **B** Prep Lighting (type B) (ceiling-mounted).
13. At the ceiling: connect **B** Prep Lighting (type B) (ceiling-mounted).
14. At the ceiling: connect **B** Prep Lighting (type B) (ceiling-mounted).
15. At the ceiling: connect **B** Prep Lighting (type B) (ceiling-mounted).

Material for this run: 68 ft 12/2 MC (with slack), 9 MC connectors, about 16 J-hooks/straps (within 12 in of each box, every 6 ft max, NEC 330.30)

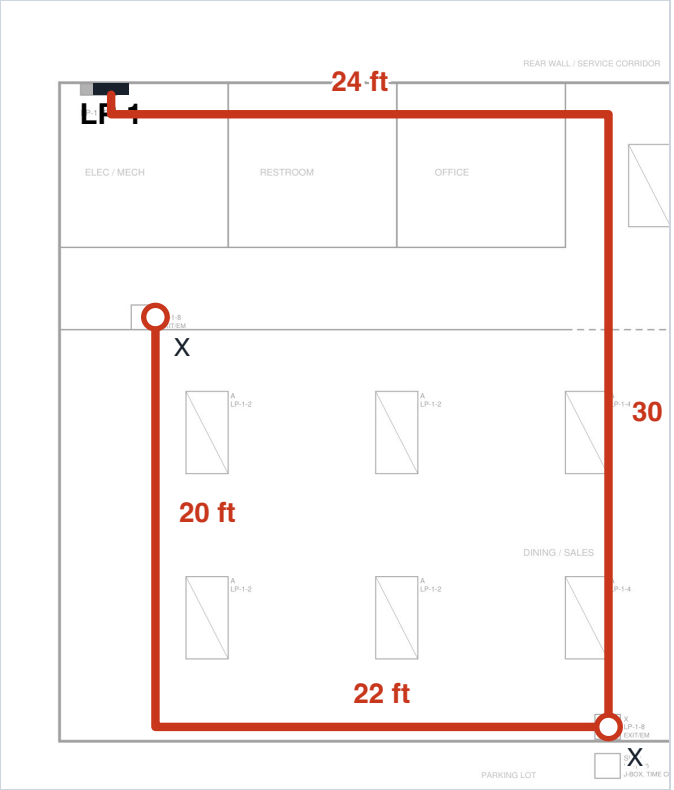
Field note:

LP-1:8 · Exit / Emergency (type X) — 12/2 MC · 115 ft

1. Start at Panel LP-1: leave the top and go up 3.5 ft to above the ceiling.
2. ↓ Run **1.0 ft** toward the storefront.
3. → Run **24.1 ft** toward the right demising wall.
4. ↓ Run **29.8 ft** toward the storefront.
5. Branch: from the box above, continue to the next device:
6. ← Run **22.0 ft** toward the left demising wall.
7. ↑ Run **19.9 ft** toward the rear wall.
8. At the ceiling: connect **X** Exit / Emergency (type X) (ceiling-mounted).
9. At the ceiling: connect **X** Exit / Emergency (type X) (ceiling-mounted).

Material for this run: 115 ft 12/2 MC (with slack), 5 MC connectors, about 24 J-hooks/straps (within 12 in of each box, every 6 ft max, NEC 330.30)

Field note:

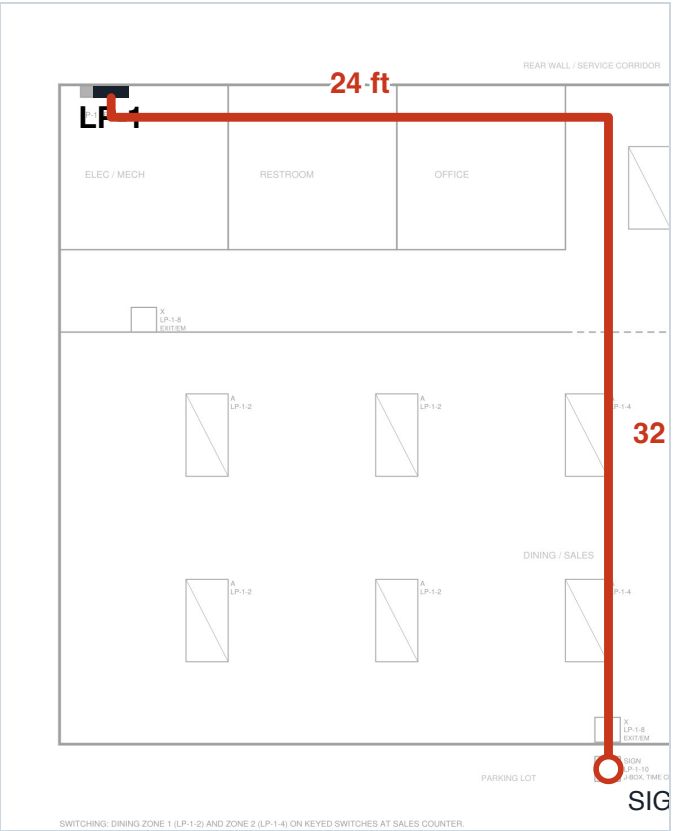


LP-1:10 · Spare — 12/2 MC · 69 ft

1. Start at Panel LP-1: leave the top and go up 3.5 ft to above the ceiling.
2. ↓ Run **1.0 ft** toward the storefront.
3. → Run **24.1 ft** toward the right demising wall.
4. ↓ Run **31.7 ft** toward the storefront.
5. At the ceiling: connect **SIGN** Spare (ceiling-mounted).

Material for this run: 69 ft 12/2 MC (with slack), 3 MC connectors, about 14 J-hooks/straps (within 12 in of each box, every 6 ft max, NEC 330.30)

Field note:



Field notes

INSTALL SET, PROPOSED, VERIFY AT SITE WALK

Sunny Side Bagels #12 Install Set

How Demo Electric Co. plans to build the electrical at Sunny Side Bagels #12: where each cable runs and how the panels go together, drawn over the issued sheets.

Redline is our proposed work. The faded drawing underneath is the issued sheet at its printed scale. Cable lengths are routed estimates with 10% slack and 1.5 ft makeup per termination, not field measurements.

Install drawings PDF Site walk packet PDF

JOB	ADDRESS
Sunny Side Bagels #12	4410 Example Pkwy, Suite B, Anytown, NC 28000
BASIS	**CODE**
E-0.1, E-1.0, E-2.0	2020 NEC
GC	**BY**
Northpoint Builders	Demo Electric Co.

E-I0

Offline read of 3 pages: 33 devices on 13 circuits, 5 flags.

Index, flags and takeoff check

E-I1 · Panels + feeder

Panel elevation, one-line and panel schedules, built from the circuits on these sheets.

E-I2 · Power routing

Routed from E-2.0: home runs leave the panel on an above-ceiling trunk and branch square to each device.

E-I3 · Lighting + controls

Routed from E-1.0: home runs leave the panel on an above-ceiling trunk and branch square to each device.

E-I4 · Low voltage

Low voltage by owner's vendor; boxes and pull strings only (see notes).

E-I5 · Special systems

Fire alarm by others per notes; no special systems drawn.

E-I6 · Roof

No roof plan in the set; roof unit connections shown on E-I2.

Settle with the GC

Conflicts and gaps in the drawings

1. **Wiring method conflict.** General notes call for THHN in EMT; the spec allows MC above accessible ceilings. Which governs? We plan to price MC where allowed. E-0.1
2. **No change orders for existing conditions.** Confirm what existing-condition info is available (panel survey, as-builts) and allow the walk to verify. E-0.1
3. **Circuit LP-1-10 not scheduled.** SIGN is on LP-1-10 on the plans, but the panel schedule shows it SPARE. Confirm the breaker and load. E-0.1, plans
4. **WH-1 breaker size.** Panel schedule shows 20A; equipment schedule says 30A per MECH M-2. Which is correct? E-0.1

Takeoff check

Routed on these sheets vs. the bid

LINE	BID	ROUTED	CHANGE
#8 THHN in 3/4" RMC	40 ft	77 ft	+37 ft
10/2 MC	40 ft	69 ft	+29 ft
12/2 MC	1,240 ft	914 ft	-326 ft

Bid footage is the count-based estimate; routed footage follows the trunks drawn here, with slack and makeup.

5 **Roof conduit must be rigid.** Spec requires RMC on the roof; priced as rigid with supports, not EMT. `E-0.1`

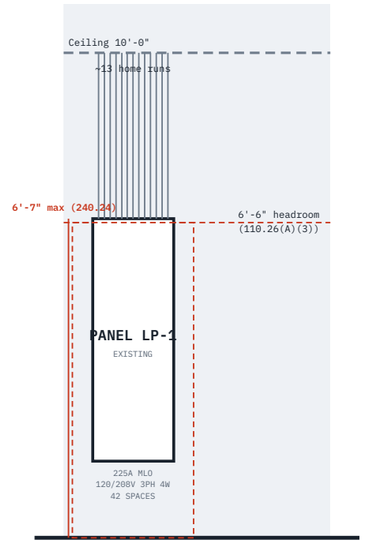
E-I1

Panels + feeder

Panel elevation, one-line and panel schedules, built from the circuits on these sheets.

Panel wall elevation

Looking at the panel wall, working space dashed



Install notes

One-line

Service, panels and feeders



Panel schedules

From the circuits drawn on these sheets

Panel LP-1

Existing · 225A MLO, 120/208V 3PH 4W, 42 SPACES · per plans

CKT	LOAD	CABLE	FT
LP-1:1	R1 Prep Counter Receptacles R1	12/2 MC	86
LP-1:2	A Dining Lighting (type A)	12/2 MC	97
LP-1:3	EQ-1 Bagel Oven EQ-1	10/2 MC	69
LP-1:4	A Dining Lighting (type A)	12/2 MC	111
LP-1:6	B Prep Lighting (type B)	12/2 MC	68
LP-1:7	EQ-2 Reach-in Cooler EQ-2	12/2 MC	77
LP-1:8	X Exit / Emergency (type X)	12/2 MC	115
LP-1:9	HD-1 Restroom Hand Dryer HD-1 + GFCI; R Restroom Hand Dryer HD-1 + GFCI	12/2 MC	46

CKT	LOAD	CABLE	FT
LP-1:10	SIGN Spare	12/2 MC	69
LP-1:11	WH-1 Water Heater WH-1	12/2 MC	26
LP-1:12	RTU-1 RTU-1(roof)	#8 THHN in 3/4" RMC	77
LP-1:13	R-POS POS Counter Receptacles	12/2 MC	75
LP-1:15	R Office + Dining Receptacles	12/2 MC	144

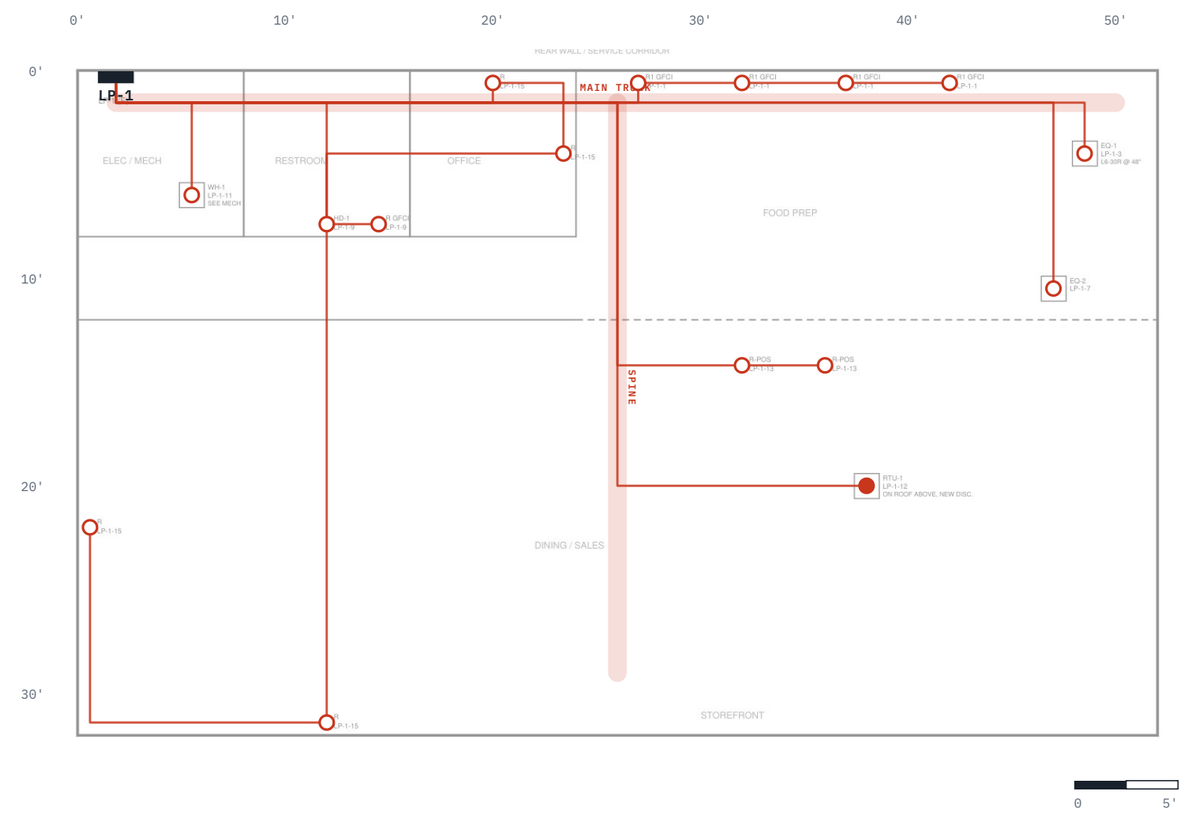
E-I2

Power routing

Routed from E-2.0: home runs leave the panel on an above-ceiling trunk and branch square to each device.

Plan

Tap a circuit to trace it



Circuit schedule

Routed length with slack, ft

CKT	DEVICES	CABLE	FT
LP-1:1	**R1, R1, R1, R1** Prep Counter Receptacles R1	12/2 MC	86
LP-1:3	**EQ-1** Bagel Oven EQ-1	10/2 MC	69
LP-1:7	**EQ-2** Reach-in Cooler EQ-2	12/2 MC	77
LP-1:9	**HD-1, R** Restroom Hand Dryer HD-1 + GFCI	12/2 MC	46
LP-1:11	**WH-1** Water Heater WH-1	12/2 MC	26
LP-1:12	**RTU-1** RTU-1(roof)	#8 THHN in 3/4" RMC	77
LP-1:13	**R-POS, R-POS** POS Counter Receptacles	12/2 MC	75
LP-1:15	**R, R, R, R** Office + Dining Receptacles	12/2 MC	144

- From issued sheet E-2.0 POWER PLAN.
- Ceiling 10 ft; MC on J-hooks above the ceiling where the spec allows.

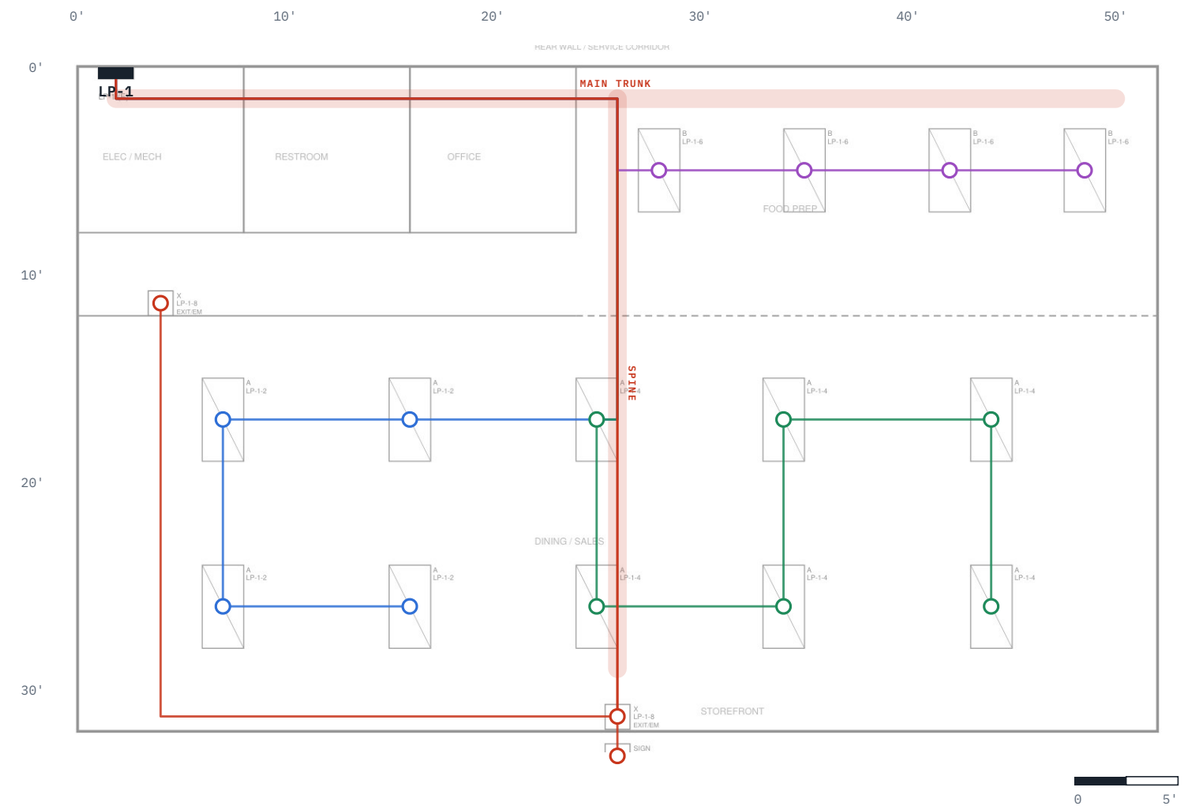
E-I3

Lighting + controls

Routed from E-1.0: home runs leave the panel on an above-ceiling trunk and branch square to each device.

Plan

Tap a circuit to trace it



Circuit schedule

Routed length with slack, ft

CKT	DEVICES	CABLE	FT
LP-1:2	A, A, A, A Dining Lighting (type A)	12/2 MC	97
LP-1:4	A, A, A, A, A, A Dining Lighting (type A)	12/2 MC	111
LP-1:6	B, B, B, B Prep Lighting (type B)	12/2 MC	68
LP-1:8	X, X Exit / Emergency (type X)	12/2 MC	115
LP-1:10	SIGN Spare	12/2 MC	69

- From issued sheet E-1.0 LIGHTING PLAN.
- Ceiling 10 ft; MC on J-hooks above the ceiling where the spec allows.

E-I4

Low voltage by owner's vendor; boxes and pull strings only (see notes).

Low voltage

Install notes

- Low voltage by owner's vendor; boxes and pull strings only (see notes).

Special systems

Install notes

- Fire alarm by others per notes; no special systems drawn.

Roof

Install notes

- No roof plan in the set; roof unit connections shown on E-I2.

GENERAL ELECTRICAL NOTES

1. Work shall comply with the 2020 NEC as adopted by the State and all local amendments.

2. All branch circuit wiring shall be copper THHN in EMT. Minimum 3/4" conduit.

3. Existing panel LP-1 to remain. EC shall verify available spaces and condition before bid; no change orders will be accepted for existing conditions.

4. Ceiling: 2x4 lay-in ACT at 10'-0" AFF throughout, except restroom (gyp, 9'-0").

5. Provide GFCI protection for all receptacles in food prep, restroom and within 6' of sinks.

6. RTU-1 replaced by mechanical contractor. EC to provide new disconnect and reconnect. Roof conduit per spec section 26 05 33.

7. Exterior sign by owner's sign vendor. EC to provide J-box and circuit with time clock.

8. Fire alarm: existing building system, by others. Coordinate device relocations with FA vendor.

9. Low voltage (data, POS, cameras) by owner's vendor. EC to provide boxes and pull strings only.

SPEC 26 05 19 EXCERPT

1. MC cable is permitted for branch circuits concealed above accessible ceilings and in stud walls.

2. Conduit on roof shall be rigid galvanized steel (RMC) with threaded fittings.

PANEL LP-1 (EXISTING) - 225A MLO, 120/208V 3PH 4W, 42 SPACES

CKT	LOAD	BKR	NOTES
1	PREP COUNTER RECEPTACLES R1	20/1	GFCI
2	DINING LIGHTING (TYPE A)	20/1	
3	BAGEL OVEN EQ-1	30/2	208V 1PH
4	DINING LIGHTING (TYPE A)	20/1	
5			
6	PREP LIGHTING (TYPE B)	20/1	
7	REACH-IN COOLER EQ-2	20/1	DEDICATED
8	EXIT / EMERGENCY (TYPE X)	20/1	UNSWITCHED
9	RESTROOM HAND DRYER HD-1 + GFCI	20/1	
10	SPARE	20/1	
11	WATER HEATER WH-1	20/2	SEE MECH
12	RTU-1	40/3	NEW BKR
13	POS COUNTER RECEPTACLES	20/1	DEDICATED
15	OFFICE + DINING RECEPTACLES	20/1	
17-41	EXISTING / SPARE - VERIFY		

EQUIPMENT SCHEDULE

TAG	DESCRIPTION	ELEC
EQ-1	BAGEL DECK OVEN	208V 1PH 24A, CORD+PLUG L6-30
EQ-2	REACH-IN COOLER	120V 1PH 9A
WH-1	ELECTRIC WATER HEATER 20 GAL	208V 1PH 4.5KW (30A PER MECH M-2)
HD-1	HAND DRYER	120V 1PH 12A
RTU-1	ROOFTOP UNIT 5 TON	208V 3PH MCA 32A MOCP 40A

EXAMPLE ENGINEERING PLLC

(fictional - demo set)

PROJECT:

SUNNY SIDE BAGELS #12

TENANT FIT-OUT

4410 Example Pkwy, Suite B, Anytown, NC 28000

ISSUED FOR BID 2026-11-03

NOTES + SCHEDULES

SHEET

E-0.1



SWITCHING: DINING ZONE 1 (LP-1-2) AND ZONE 2 (LP-1-4) ON KEYED SWITCHES AT SALES COUNTER.

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(fictional - demo set)

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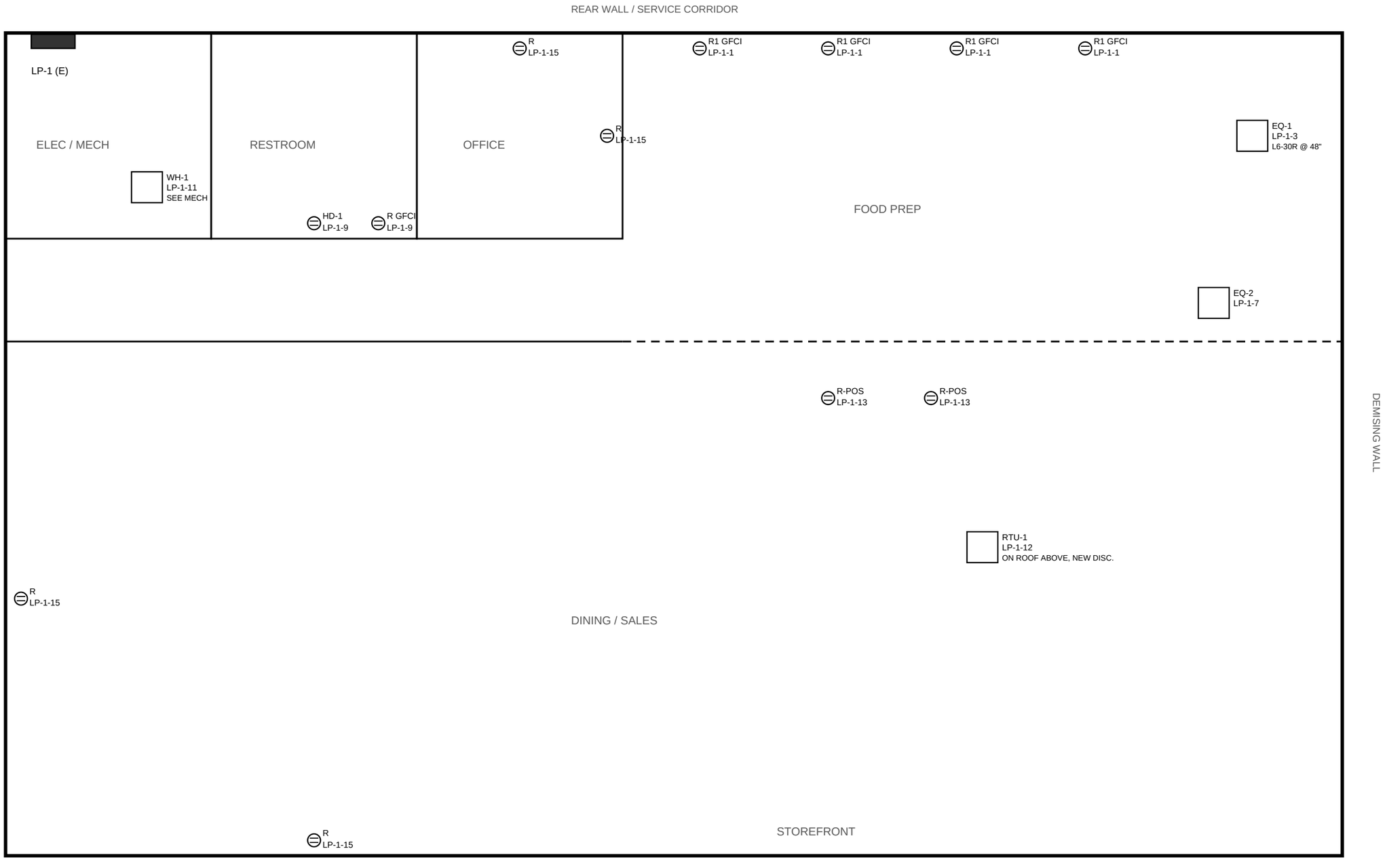
ISSUED FOR BID 2026-11-03

LIGHTING PLAN

SCALE: 1/4" = 1'-0"

SHEET

E-1.0



EXAMPLE ENGINEERING PLLC

(fictional - demo set)

PROJECT:

SUNNY SIDE BAGELS #12

TENANT FIT-OUT

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ISSUED FOR BID 2026-11-03

POWER PLAN

SCALE: 1/4" = 1'-0"

SHEET

E-2.0