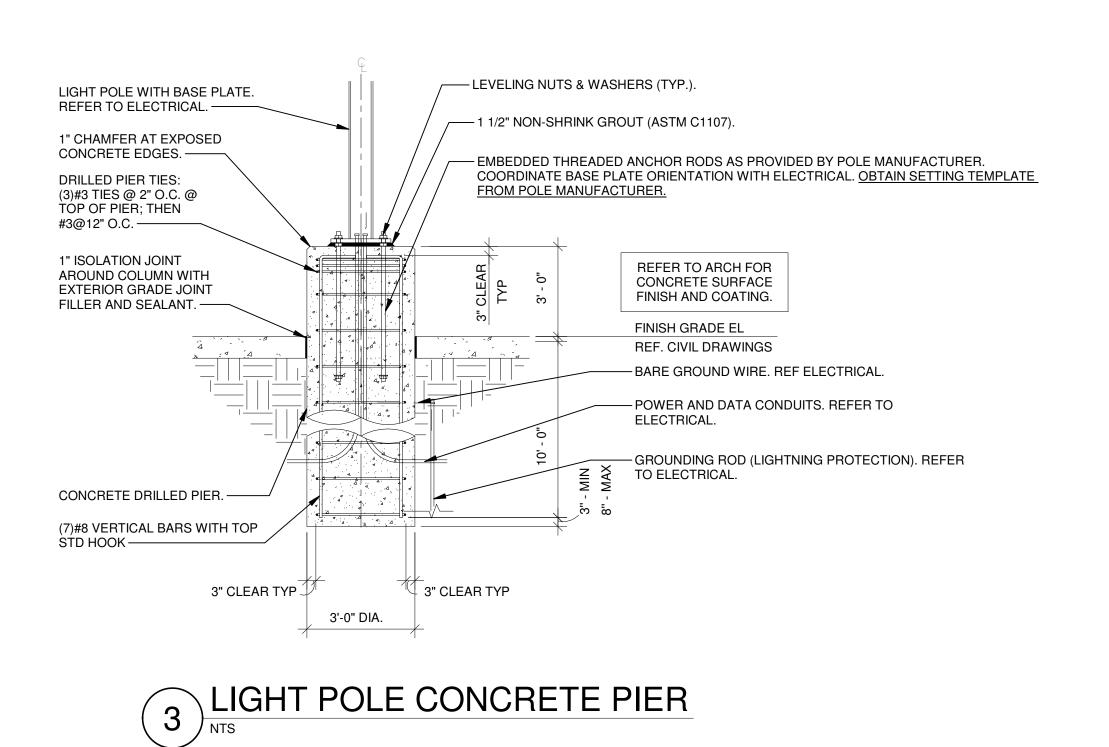
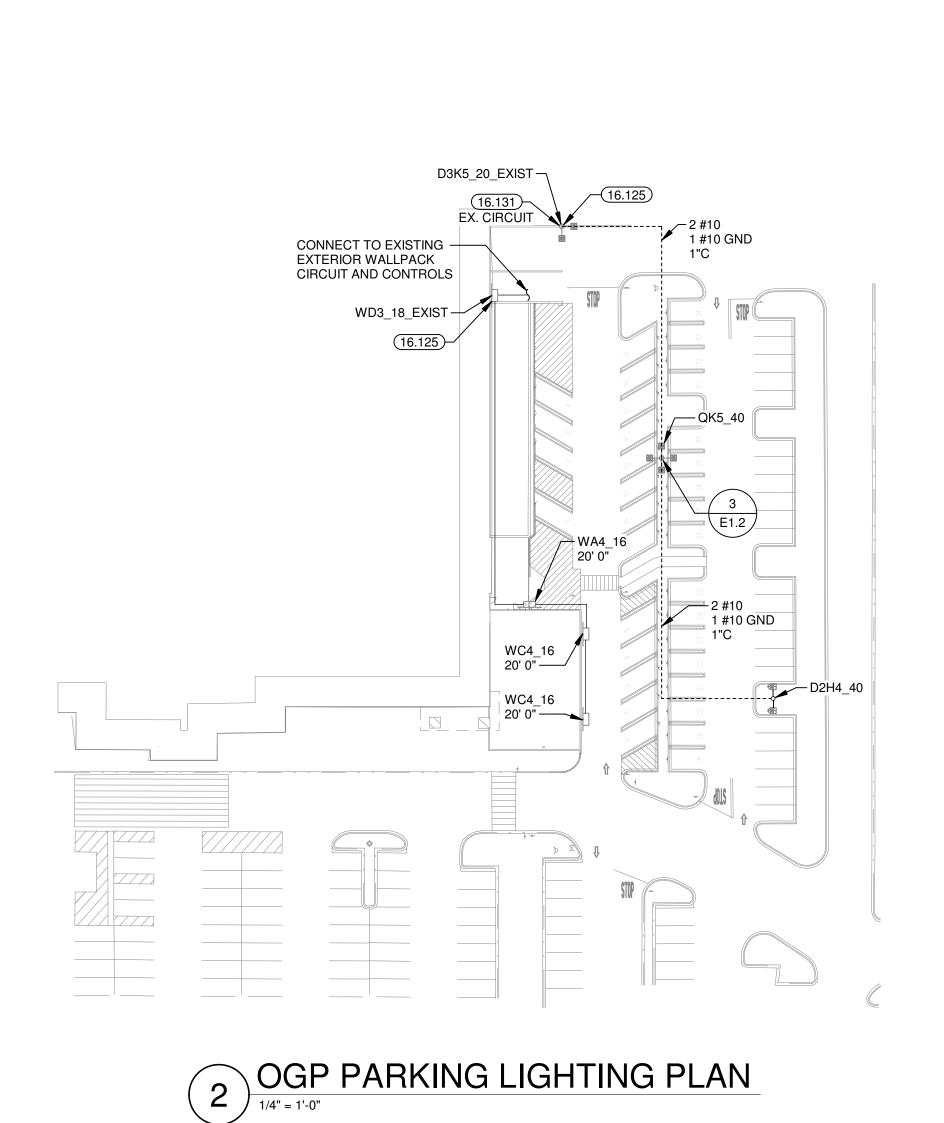
16.125 EXISTING LIGHT FIXTURES TO REMAIN UNLESS NOTED OTHERWISE. 16.131 CONNECT TO EXISTING CIRCUIT.

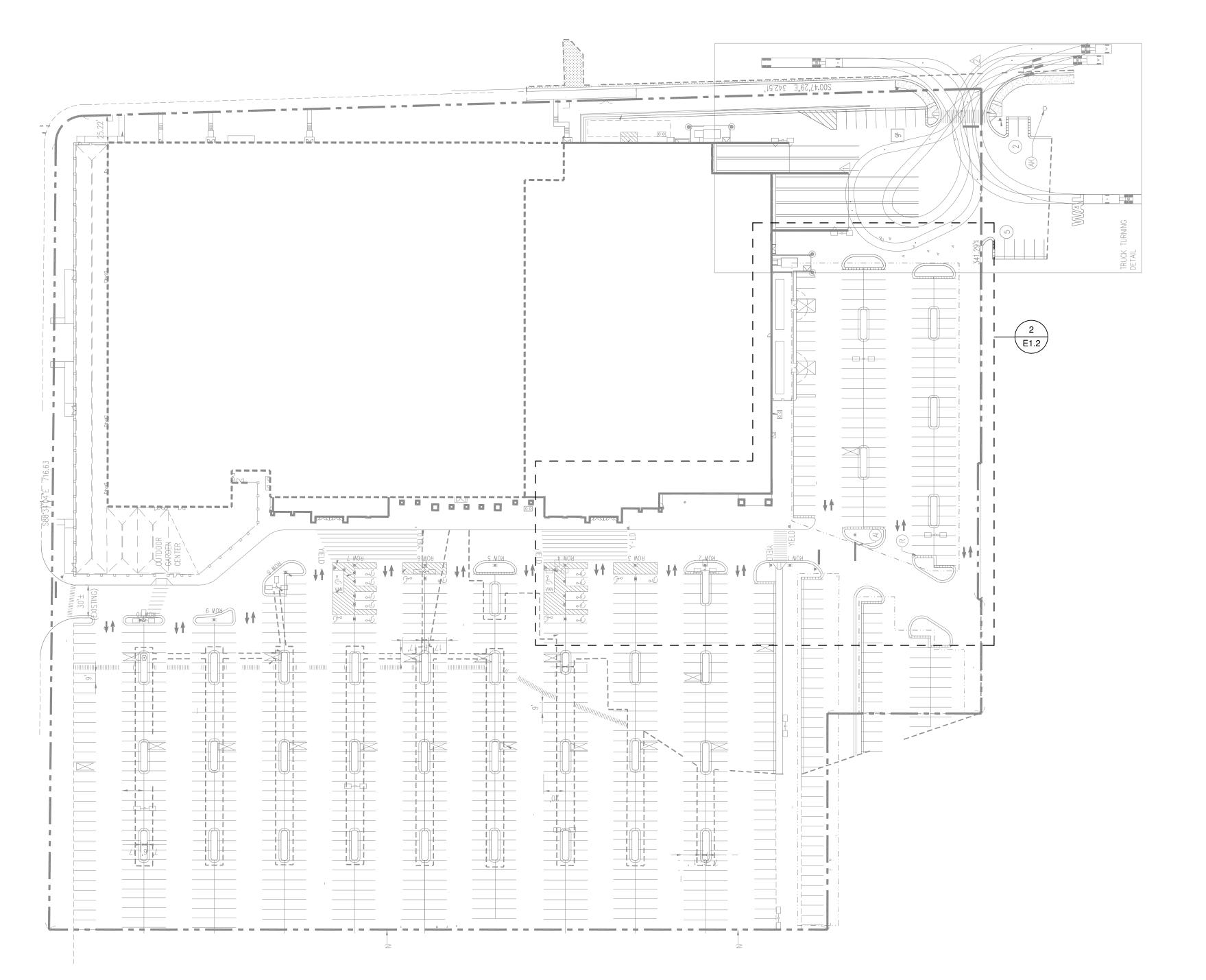
Building Permit PRCA20231436

See Civil permit as applicable

| GE Current | Luminaire S | Schedule | | | LIGHT FIXTURE SCHEDULE | | | | |
|-----------------------|-------------|----------|----------------|-------|---|------------|------------------|------------|-------------|
| Project: New Material | | | | | | | | | |
| Symbol | Qty | Label | Arrangement | LLF | Description | Arr. Watts | Arr. Lum. Lumens | BUG Rating | [MANUFAC] |
| | 2 | WC4_16 | SINGLE | 0.837 | 1-EWAS010C4AF740N1FMBLCK mounted at 16ft | 56 | 7500 | B1-U0-G2 | GE LIGHTING |
| | 1 | WA4_16 | SINGLE | 0.837 | 1-EWAS010A4AF740N1FMBLCK mounted at 16ft | 21 | 3000 | B1-U0-G1 | GE LIGHTING |
| (a) | 1 | QK5_40 | 4 @ 90 DEGREES | 0.864 | 4-EALP035K5SM750NDD1BLCKF 37ft pole on 3ft base | 848 | 120000 | B5-U0-G3 | GE LIGHTING |
| 1) | 1 | D2H4_40 | ROTATED OPTICS | 0.864 | 1-EALP035H4AF750NDD1BLCKFS1 and 1-EALP035H4AF750NDD1BLCKFS2 37ft pole on 3ft base | 302 | 40000 | B3-U0-G3 | GE LIGHTING |







7007 DISCOVERY BLVD DUBLIN, OH 43017 614.634.7000 T

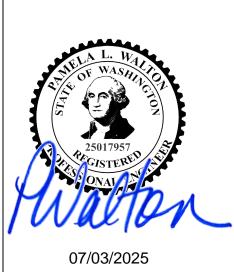
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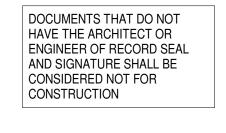
14 CCD#11 07/03/25

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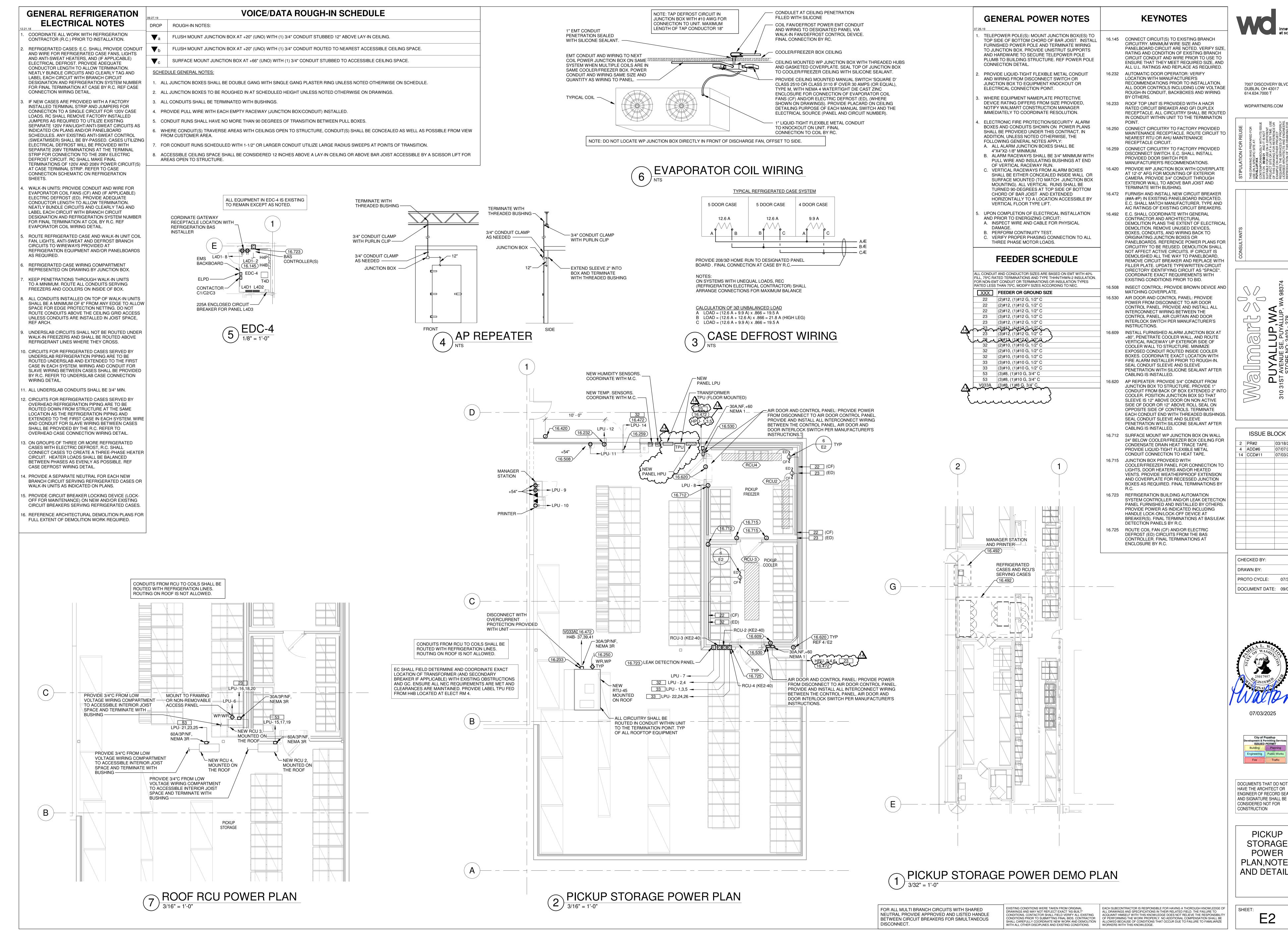
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LIGHTING PLAN AND DETAILS



7007 DISCOVERY BLVD **DUBLIN, OH 43017** 614.634.7000 T

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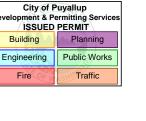
03/18/22

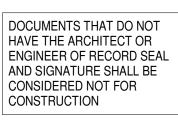
07/07/22

07/03/25

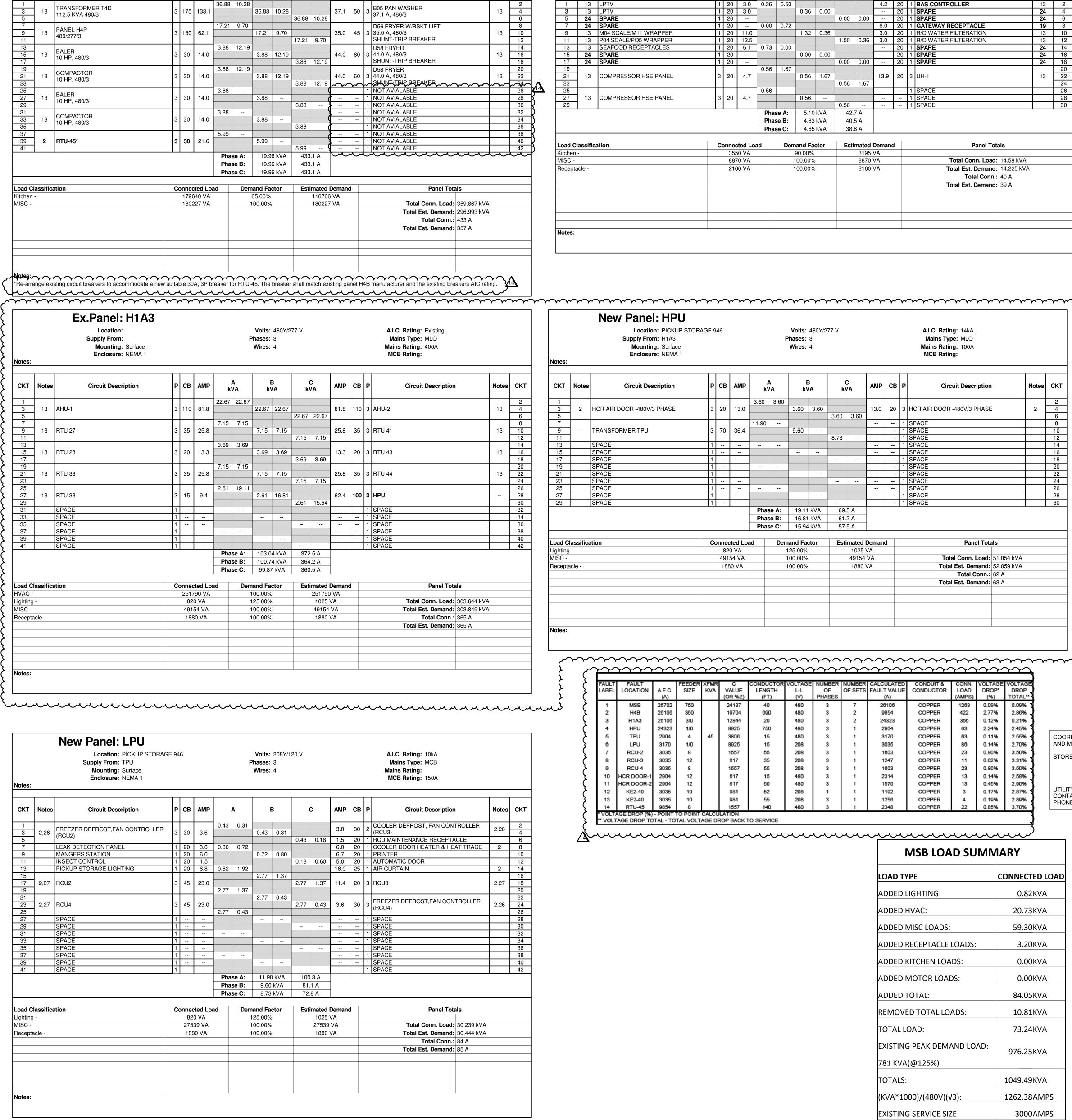
DOCUMENT DATE: 09/08/21

07/03/2025





PICKUP STORAGE **POWER** PLAN, NOTES AND DETAILS



A.I.C. Rating: Existing

Mains Type: MLO

Circuit Description

Mains Rating: 600A

MCB Rating:

Volts: 480Y/277 V

Wires: 4

kVA

Ex. Panel: H4B

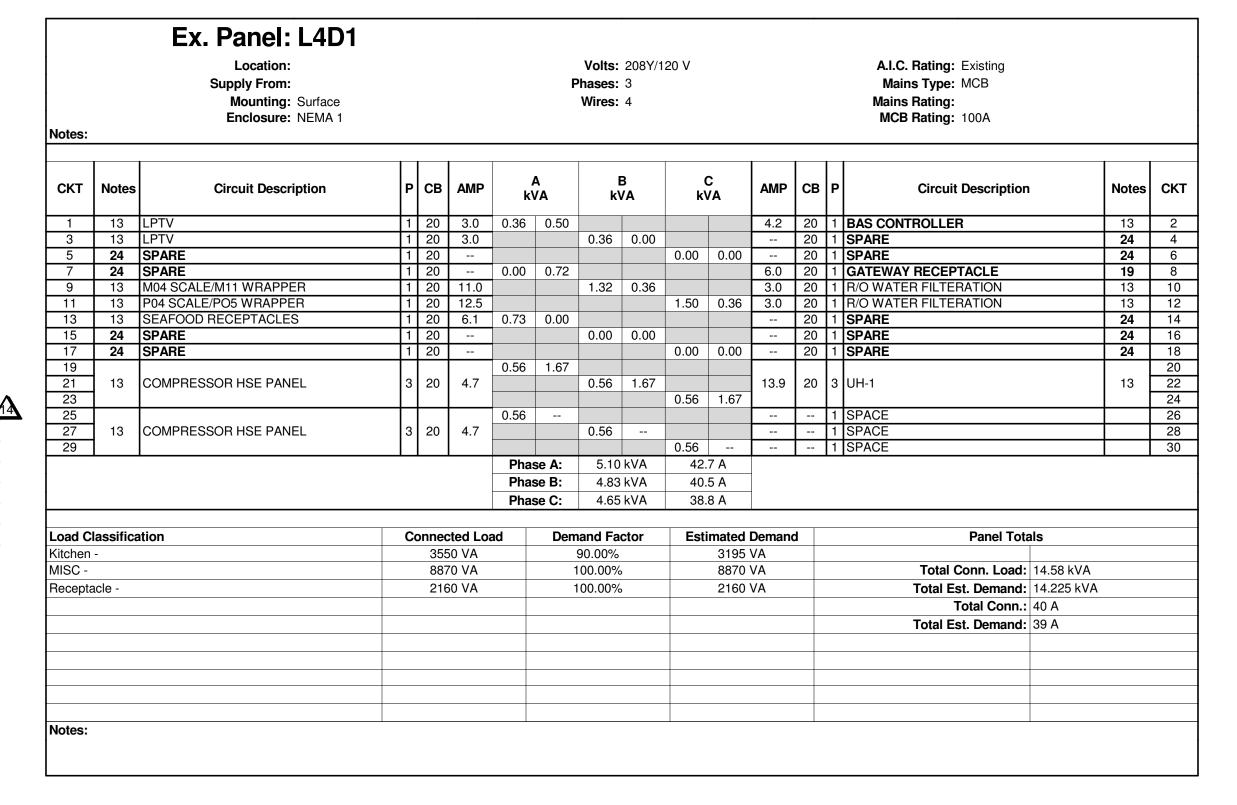
Supply From:

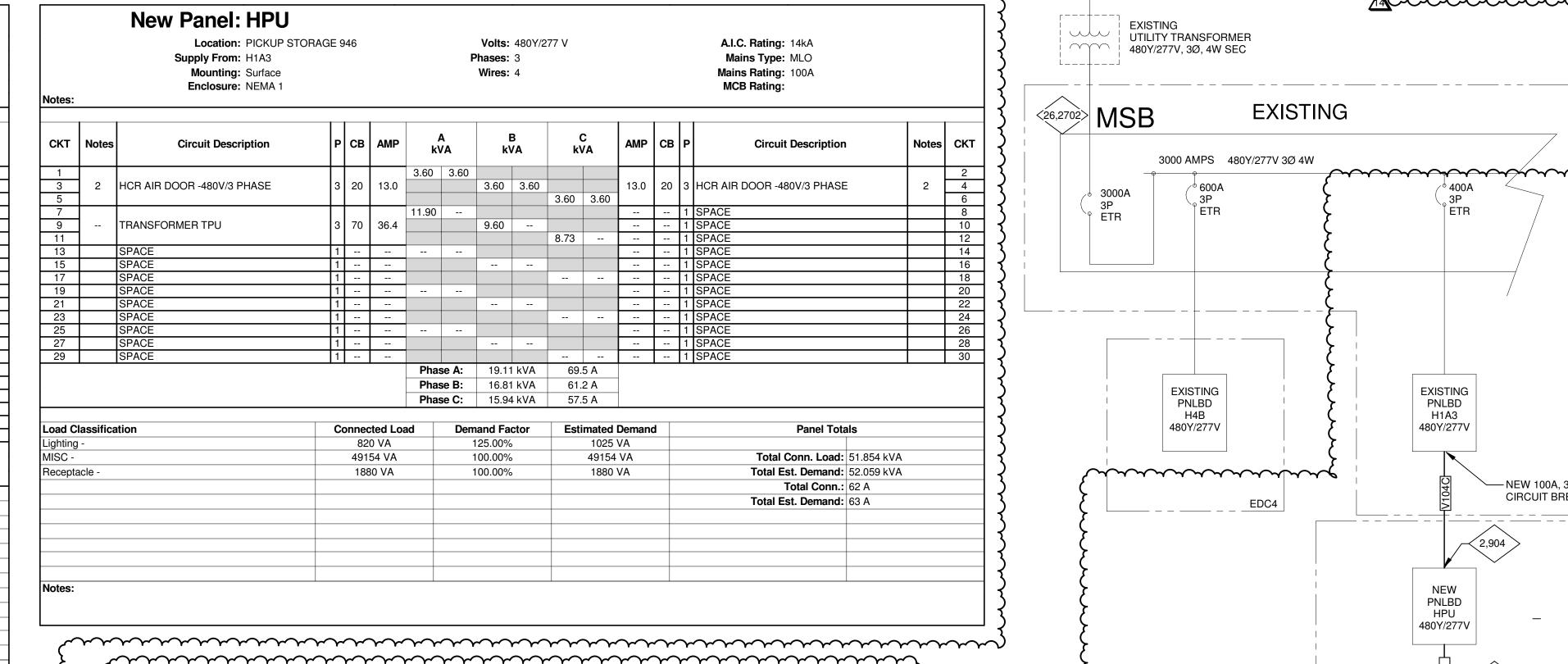
CKT | Notes

Mounting: Surface

Enclosure: NEMA 1

Circuit Description





| (| ۲ | FAULT | FAULT | | | XFMR | С | | VOLTAGE | NUMBER | NUMBER | CALCULATED | CONDUIT & | CONN. | VOLTAGE | VOLTAGE |
|----------|-------------|----------|--------------|----------|----------|--------|----------|------------|---------|--------|---------|------------------|-----------|--------|---------------|---------|
| (| } | LABEL | LOCATION | A.F.C. | SIZE | KVA | VALUE | LENGTH | L-L | OF | OF SETS | FAULT VALUE | CONDUCTOR | LOAD | DROP* | DROP |
| ځ | { | <u> </u> | | (A) | | | (OR %Z) | (FT) | (V) | PHASES | | (A) | | (AMPS) | (%) | TOTAL** |
| <u>}</u> | 7 | 1 | MSB | 26702 | 750 | | 24137 | 40 | 480 | 3 | 7 | 26106 | COPPER | 1263 | 0.09% | 0.09% |
| | } | 2 | H4B | 26106 | 350 | | 19704 | 690 | 480 | 3 | 2 | 9854 | COPPER | 422 | 2.77% | 2.86% |
| | { | 3 | H1A3 | 26106 | 3/0 | | 12844 | 20 | 480 | 3 | 2 | 24323 | COPPER | 366 | 0.12% | 0.21% |
| | | 4 | HPU | 24323 | 1/0 | | 8925 | 750 | 480 | 3 | 1 | 2904 | COPPER | 63 | 2.24% | 2.45% |
| | کے | 5 | TPU | 2904 | 4 | 45 | 3806 | 15 | 480 | 3 | 1 | 3170 | COPPER | 63 | 0.11% | 2.55% |
| | } | 6 | LPU | 3170 | 1/0 | | 8925 | 15 | 208 | 3 | 1 | 3035 | COPPER | 86 | 0.14% | 2.70% |
| | (| 7 | RCU-2 | 3035 | 8 | | 1557 | 55 | 208 | 3 | 1 | 1603 | COPPER | 23 | 0.80% | 3.50% |
| | ۲ | 8 | RCU-3 | 3035 | 12 | | 617 | 35 | 208 | 3 | 1 | 1247 | COPPER | 11 | 0.62% | 3.31% |
| | } | 9 | RCU-4 | 3035 | 8 | | 1557 | 55 | 208 | 3 | 1 | 1603 | COPPER | 23 | 0.80% | 3.50% |
| | 6 | 10 | HCR DOOR-1 | 2904 | 12 | | 617 | 15 | 480 | 3 | 1 | 2314 | COPPER | 13 | 0.14% | 2.58% |
| | (| 11 | HCR DOOR-2 | 2904 | 12 | | 617 | 50 | 480 | 3 | 1 | 1570 | COPPER | 13 | 0.45% | 2.90% |
| | ۲ | 12 | KE2-40 | 3035 | 10 | | 981 | 52 | 208 | 1 | 1 | 1192 | COPPER | 3 | 0.17% | 2.87% |
| | } | 13 | KE2-40 | 3035 | 10 | | 981 | 55 | 208 | 3 | 1 | 1256 | COPPER | 4 | 0.19% | 2.89% |
| | (| 14 | RTU-45 | 9854 | 8 | | 1557 | 140 | 480 | 3 | 1 | 2348 | COPPER | 22 | 0.85% | 3.70% |
| | 7 | | AGE DROP (%) | | | | | | | | | | | | | |
| | } | ** VOLT | TAGE DROP TO | TAL - TO | TAL VOLT | AGE DF | ROP BACK | TO SERVICE | | | | | | | | |
| | 1 | | | | | | | | | | | | | | |) |
| | <u>14</u> ~ | | | | | ~~ | | | | | | $\sim \sim \sim$ | | | $\overline{}$ | |
| | | | | | | | | | | | | _ | | | | |
| | | | | | | | | | | | | | MSB LOA | D SU | IMIMA | KY |
| | | | | | | | | | | | | | | | | |

CONNECTED LOAD LOAD TYPE ADDED LIGHTING 0.82KVA ADDED HVAC: 20.73KVA 59.30KVA ADDED MISC LOADS: ADDED RECEPTACLE LOADS: ADDED KITCHEN LOADS: 0.00KVA 0.00KVA ADDED MOTOR LOADS: ADDED TOTAL: 84.05KVA REMOVED TOTAL LOADS: 10.81KVA TOTAL LOAD: 73.24KVA EXISTING PEAK DEMAND LOAD: 976.25KVA 781 KVA(@125%) TOTALS: 1049.49KVA (KVA*1000)/(480V)(v3): 1262.38AMPS EXISTING SERVICE SIZE 3000AMPS

NOTE: EXISTING SERVICE LOAD HAS BEEN CALCULATED PER NEC 220.87

POWER INTERRUPTION NOTE

COORDINATE ALL WORK THAT REQUIRES POWER INTERRUPTIONS TO THE STORE WITH THE STORE MANAGER AND THE WALMART CONSTRUCTION MANAGER A MINIMUM OF 48 HOURS IN ADVANCE OF ALL STORE POWER INTERRUPTIONS. IN ADDITION, IF THE MAIN ELECTRICAL SWITCHGEAR REQUIRES WORK AND DOES NOT HAVE A MAIN SERVICE DISCONNECTING MEANS. COORDINATE WITH THE UTILITY COMPANY A MINIMUM OF TWO WEEKS IN ADVANCE OF THE STORE POWER INTERRUPTION. IF STORE IS NOT OPEN 24 HOURS PER DAY, ALL STORE POWER INTERRUPTIONS ARE TO BE ACCOMPLISHED AFTER NORMAL STORE BUSINESS HOURS. PROVIDE TEMPORARY POWER AS REQUIRED

THE STORE MANAGER AND THE WALMART

CONSTRUCTION MANAGER.

CONSTRUCTION MANAGER.

EXISTING

ETR

UTILITY TRANSFORMER

480Y/277V, 3Ø, 4W SEC

EXISTING

PNLBD

H4B

480Y/277V

______EDC4 |

WALMART #2403 GENERAL REMODEL

1 PARTIAL ONE-LINE DIAGRAM

COORDIANTE ALL CHANGES TO EXISTING ELECTRICAL SERVICE

310 31ST AVE SE

TISHA HELMER

(425) 462-3588

PUYALLUP,WA 98374

PUGET SOUND ENERGY

AND METERING WITH UTILITY COMPANY.

STORE ADDRESS:

UTILITY COMPANY:

CONTACT:

PHONE:

EXISTING

3000 AMPS 480Y/277V 3Ø 4W

ONE-LINE DIAGRAM LEGEND

PER SPECIFICATIONS. INSTALLATION OF NEW EQUIPMENT

SHALL BE COMPLETED AND THE POWER SYSTEM TESTED

AND RE-ENERGIZED PRIOR TO THE TIME ESTABLISHED BY

----- NEW EQUIPMENT EXISTING EQUIPMENT

- - - - EQUIPMENT TO BE DEMOLISHED

ALL OF THE ELECTRICAL DEVICES SHOWN ON THE RISER DIAGRAM ARE EXISTING AND ARE BASED UPON AS-BUILT DRAWINGS. E.C. SHALL VERIFY THE EXACT EXISTING CONDITIONS, SIZES AND LOCATIONS OF EQUIPMENT PRIOR TO ROUGH-IN. THIS RISER IS SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ANY NEW DEVICES ARE SHOWN IN BOLD AND ARE NOTED. DURING CONSTRUCTION. THE STORE SHALL STAY OPEN FOR BUSINESS. ANY NECESSARY POWER DOWNTIME SHALL BE SCHEDULED AND APPROVED BY WALMART

FEEDER SCHEDULE

ALL CONDUIT AND CONDUCTOR SIZES ARE BASED ON EMT WITH 40% L, 75°C RATED TERMINATIONS AND TYPE THHN/THWN-2 INSULATION. FOR NON-EMT CONDUIT OR TERMINATIONS OR INSULATION TYPES RATED LESS THAN 75°C. MODIFY SIZES ACCORDING TO NEC.

G6 #6 COPPER GROUND, 3/4"

∕ ^o 400A

EXISTING

PNLBD

H1A3

480Y/277V

NEW

PNLBD

HPU 480Y/277V

NEW

PNLBD

LPU

208Y/120V

- NEW 100A. 3P

~(2,904)

3,170

45KVA

480V-208Y/120V

(NEW)

(3,035)

PICK UP STORAGE

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL

DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTACTOR SHALL FIELD VERIFY ALL EXISTING

WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

TPU

CIRCUIT BREAKER

V104C (4)#1/0, (1)#4 G, 2" C mmm

20. ROUTE CIRCUIT THROUGH EXISTING LCU CABINET UTILIZING EXISTING RELAY AND CONTROLS. UPDATE LCU IDENTIFICATION SCHEDULE WITH LOAD IDENTIFICATION. SOLENOID OPERATED CIRCUIT BREAKER. REFER TO

ENERGY MANAGEMENT PLANS FOR CIRCUIT BREAKER CONTROL. **EXISTING LOAD - TRACE EXISTING CIRCUIT, IDENTIFY**

LOAD AND UPDATE CIRCUIT IDENTIFICATION SCHEDULE FOR LOAD SERVED. IF CIRCUIT IS NOT IN USE, REFER TO PANELBOARD NOTE (11). 23. ROUTE CIRCUIT THROUGH ENCLOSED GFI BREAKER FOR PERSONNEL PROTECTION (5MA)

24. SPARE - FIELD VERIFY CIRCUIT BREAKER IS NOT SERVING AN EXISTING LOAD. IF NO EXISTING LOAD, PROVIDE LOCK OFF DEVICE TO LOCK SPARE BREAKER IN THE OFF POSITION. IF BREAKER IS SERVING A LOAD, IDENTIFY LOAD SERVED. UPDATE CIRCUIT IDENTIFICATION SCHEDULE AS "SPARE" OR INDICATE LOAD SERVED.

25. EXISTING LOAD - TRACE EXISTING CIRCUIT, IDENTIFY LOAD AND UPDATE CIRCUIT IDENTIFICATION SCHEDULE FOR LOAD SERVED. IF CIRCUIT IS NOT IN USE, REFER TO PANELBOARD NOTE (24).

26. DEFROST LOAD, DEFROST LOAD IS NOT SIMULTANEOUSLY OPERATING WITH RCU LOAD SO NOT INCLUDED IN LOAD CALCULATION. 27. PROVIDE SUB-FEED BREAKER PANELBOARD

NEW OVERCURRENT PROTECTIVE DEVICES PLACE IN EXISTING PANELBOARDS OR DISTRIBUTION BOARDS SHALL MATCH THE TYPE AND AIC RATING OF **EXISTING OVERCURRENT PROTECTION DEVICES IN** SAID BOARD.

E.C. SHALL TRACE ALL ELECTRICAL CIRCUITS FOR EVERY EXISTING PANELBOARD AFFECTED BY THIS PROJECT. IDENTIFY LOADS ON EACH CIRCUIT. PROVIDE A COMPLETE TYPEWRITTEN CIRCUIT IDENTIFICATION SCHEDULE FOR EVERY AFFECTED

PANELBOARD. ALL OVERCURRENT DEVICES ARE NEW UNLESS NOTED OTHERWISE.

SOURCE OF SUPPLY NOTE

CONTRACTOR TO VERIFY THE FEEDER ORIGINATION POINT SOURCE OF POWER FOR ALL DISTRIBUTION BOARDS, PANELBOARDS, AND BUSWAY AFFECTED BY THE REMODEL SCOPE OF WORK. PROVIDE A LAMINATED PLASTIC NAMEPLATE PER SPECIFICATIONS INDICATING THIS INFORMATION.

H1A FED FROM MSWB L1D FED FROM H1B VIA T1D

ARC FLASH

ARC FLASH HAZARD WARNING LABELING REQUIREMENTS PER NEC ARE PROVIDED BY OWNER UNDER SEPARATE

20A WIRE SIZING SCHEDULE

ALL WIRE SIZES SHOWN ON PANEL SCHEDULES ARE INTENDED TO BE MINIMUM ACCEPTABLE SIZE. THE FOLLOWING SCHEDULE IS TO BE USED TO SIZE WIRE FOR 20 AMP CIRCUITS (120 AND 277 VOLT)

| LENGTHS (IN FEET) ARE INTENDED TO BE MAXIMUM. | | | | | | | | | |
|---|---------|---------|----------|----------|--|--|--|--|--|
| 120 VOLT | #12 | #10 | #8 | #6 | | | | | |
| 1-5 AMPS | 200 FT. | 325 FT. | 490 FT. | 770 FT. | | | | | |
| 6-10 AMPS | 100 FT. | 160 FT. | 245 FT. | 385 FT. | | | | | |
| 11-15 AMPS | 70 FT. | 110 FT. | 165 FT. | 255 FT. | | | | | |
| | | | | | | | | | |
| 277 VOLT | #12 | #10 | #8 | #6 | | | | | |
| 1-5 AMPS | 480 FT. | 760 FT. | 1170 FT. | 1865 FT. | | | | | |

6-10 AMPS 240 FT. 380 FT. 585 FT.

11-15 AMPS | 160 FT. | 250 FT. | 390 FT. | 620 FT.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF

ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT HIMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY

CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE

930 FT.

TERMINATE GROUND ON ISOLATED GROUND BUS. INSTALL LOCKING DEVICE (LOCK-OFF FOR MAINTENANCE). LOCKING DEVICE SHALL BE UL LISTED. MANUFACTURER SHALL MATCH EXISTING

PANELBOARD MANUFACTURER. INSTALL LOCKING DEVICE (LOCK-ON FOR CRITICAL

PANELBOARD NOTES ()

CONDUCTOR SIZE HAS BEEN INCREASED FOR

CONDUCTOR PROPORTIONATELY PER NEC.

CURRENT FOR INTERRUPT RATINGS.

BREAKER SHALL BE HIGH MAGNETIC TYPE.

BREAKER REMOVAL - FIELD VERIFY CIRCUIT

BREAKER IS NOT SERVING AN EXISTING LOAD. IF NO

EXISTING LOAD. REMOVE CIRCUIT BREAKER AND

LOAD, IDENTIFY LOAD SERVED. UPDATE CIRCUIT

EMERGENCY/NIGHT LIGHTING TO UNSWITCHED

5. PROVIDE INTERLOCK WIRING WITH EXHAUST HOOD

16. RELOCATED CIRCUIT FROM EXISTING PANELBOARD

. PROVIDE BLANK CIRCUIT BREAKER FILLER PLATE

PROVIDE U.L. LISTED OVERCURRENT DEVICE TO COORDINATE AND MAINTAIN MANUFACTURER'S

9. EXISTING CIRCUIT BREAKER TO REMAIN. VERIFY

IS OPERATIONAL AND MEETS ALL U.L. RATINGS.

CONDITION OF CIRCUIT BREAKER TO ENSURE THAT IT

EXISTING CIRCUIT AND/OR CIRCUIT BREAKER.

4. ROUTE CIRCUIT THROUGH CONTACTOR.

FOR EXPOSED SPACE IN PANELBOARD.

PROVIDE FILLER PLATE. IF BREAKER IS SERVING A

IDENTIFICATION SCHEDULE AS "SPACE" OR INDICATE

DUAL TAP SOLENOID OPERATED BREAKER. CONNECT

. FACTORY WIRED TO LOAD.

LOAD SERVED.

TERMINATION.

ANSUL SYSTEM.

SERIES RATED SYSTEM.

VOLTAGE DROP, SIZE EQUIPMENT GROUNDING

REFER TO ONE-LINE DIAGRAMS FOR WIRE SIZES.

REFER TO ONE-LINE DIAGRAM FOR AVAILABLE FAULT

GFI BREAKER FOR PERSONNEL PROTECTION (5MA). 7007 DISCOVERY BLVD **DUBLIN, OH 43017** GFI BREAKER FOR EQUIPMENT PROTECTION (30MA) 614.634.7000 T

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07/03/2025 City of Puyallup elopment & Permitting S ISSUED PERMIT

Building Planning DOCUMENTS THAT DO NOT

ENGINEER OF RECORD SEAL AND SIGNATURE SHALL BE CONSIDERED NOT FOR CONSTRUCTION

HAVE THE ARCHITECT OR

ELECTRICAL ONE-LINE, **DETAILS AND** SCHEDULES

E3