

GRAPHIC SCALE-FOR REFERENCE ONLY

0 1/4" 1/2" 1" 2"



## PDX ELECTRICAL EQUIPMENT NAMING CONVENTION:

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | E | 4 | L | 2 | T | 1A | A |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|----|---|
| <b>POWER CLASSIFICATION:</b> _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |   |    |   |
| BLANK - NORMAL POWER<br>E - EMERGENCY POWER LEGALLY REQUIRED (NEC 700)<br>S - STANDBY POWER LEGALLY REQUIRED (NEC 701)<br>O - OPTIONAL STANDBY POWER (NEC 702)<br>U - UNINTERRUPTIBLE POWER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |   |   |   |    |   |
| <b>VOLTAGE:</b> _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |   |   |   |   |    |   |
| 2 - 208Y/120V<br>4 - 480Y/277V<br>5 - 4160Y/2400V<br>15 - 12470Y/7200V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |   |   |   |   |    |   |
| <b>EQUIPMENT:</b> _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |   |   |   |   |   |    |   |
| A - AUTOMATIC TRANSFER SWITCH<br>B - BUSWAY<br>C - STARTER/CONTROLLER<br>D - MAIN/SWITCHGEAR DISTRIBUTION PANEL<br>E - SECTIONALIZING ELBOW CABINET<br>G - GENERATOR<br>L - LIGHTING PANEL<br>LDC - LIGHTING DIMMING RELAY CABINET<br>LRC - LIGHTING RELAY CABINET<br>M - MOTOR CONTROL CENTER<br>P - POWER PANEL<br>PZ - MINI POWER ZONE<br>R - RESISTOR<br>S - SUB DISTRIBUTION PANEL<br>T - TRANSFORMER<br>TC - TIE CABINET<br>U - UPS<br>V - VARIABLE FREQUENCY DRIVE<br>W - EXTERNAL UPS WRAP-AROUND BYPASS SWITCH                                                                                                                                                                                                                                                                                                                   |   |   |   |   |   |    |   |
| <b>BUILDING LEVEL OR ELEVATION:</b> _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |   |   |   |   |   |    |   |
| 0 - TUNNEL/VAULT/UNDERGROUND<br>1 - FIRST LEVEL OR GRADE LEVEL (ITEMS EXTERNAL TO TERMINAL)<br>2 - SECOND LEVEL<br>3 - THIRD LEVEL<br>4 - FOURTH LEVEL<br>5 - FIFTH LEVEL<br>6 - SIXTH LEVEL<br>7 - SEVENTH LEVEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |   |   |   |   |    |   |
| <b>CONCOURSE OR AREA:</b> _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |   |   |   |   |   |    |   |
| AF - AIRFIELD (RUNWAY OR TAXIWAY)<br>AOA - AIRCRAFT OPERATING AREA<br>B - CONCOURSE B<br>C - CONCOURSE C<br>D - CONCOURSE D<br>DPS - DEICING PUMP STATION<br>E - CONCOURSE E<br>EL - HQ EMPLOYEE PARKING LOT<br>EXP - ECONOMY LOT EXIT PLAZA BUILDING<br>GS - GROUND SOURCE WELL SITES<br>H - HEADQUARTERS (HQ)<br>HL - TRANSPORTATION PROVIDERS HOLD LOT<br>M - MAINTENANCE FACILITY<br>P - PARKING STRUCTURE #1 (SHORT TERM)<br>P2 - PARKING STRUCTURE #2 (LONG TERM)<br>P3 - PARKING STRUCTURE #3 (LONG TERM)<br>PL - PARKING LOT<br>Q - QTA<br>R - AIRCRAFT RESCUE & FIREFIGHTING FACILITY (ARFF)<br>RC - RENTAL CAR CENTER<br>S - STREET (ITEMS LOCATED ADJACENT TO ROADWAY SYSTEM)<br>T - TERMINAL (TICKETING AND BAGGAGE)<br>TP - DEICING TREATMENT PLANT<br>U - CUP<br>V - VEHICLE GATE<br>X - EXIT PLAZA (PARKING EXIT BUILDING) |   |   |   |   |   |    |   |
| <b>EQUIPMENT LOCATION WITHIN GRID SYSTEM OR FIELD LOCATED EQUIPMENT:</b> _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |   |   |   |   |   |    |   |
| (WITHIN GRID SYSTEM)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |   |   |   |   |   |    |   |

|  |  |                                                                                                                  |
|--|--|------------------------------------------------------------------------------------------------------------------|
|  |  | WALL RECEPTACLE: DUPLEX, QUADPLEX                                                                                |
|  |  | SINGLE WALL RECEPTACLE, FACELESS GFCI<br>REMOTE TEST BUTTON                                                      |
|  |  | — DENOTES GFCI                                                                                                   |
|  |  | — DENOTES GFCI AND<br>WEATHER PROOF                                                                              |
|  |  | — DENOTES RECEPTACLE ABOVE COUNTER<br>OR HEIGHT AS NOTED                                                         |
|  |  | SPECIAL PURPOSE RECEPTACLE.                                                                                      |
|  |  | CEILING RECEPTACLE: DUPLEX, QUADPLEX                                                                             |
|  |  | FLUSH FLOORBOX RECEPTACLE. REFER TO SCHEDULE<br>FOR QUANTITY AND TYPES OF DEVICES.                               |
|  |  | FLUSH POKE-THROUGH RECEPTACLE. REFER TO<br>SCHEDULE FOR QUANTITY AND TYPES OF DEVICES.                           |
|  |  | — DENOTES SPLIT-WIRED, HALF SWITCHED / CONTROLLED<br>REFER TO SPECIFICATIONS & PLANS FOR CONTROL<br>INFORMATION. |
|  |  | — DENOTES FULL SWITCHED / CONTROLLED. REFER TO<br>SPECIFICATIONS & PLANS FOR CONTROL<br>INFORMATION.             |
|  |  | SWITCHED / CONTROLLED FLUSH FLOORBOX<br>RECEPTACLE. REFER TO SCHEDULE & PLANS FOR<br>CONTROL INFORMATION.        |
|  |  | SWITCHED / CONTROLLED FLUSH POKE-THROUGH<br>RECEPTACLE. REFER TO SCHEDULE & PLANS FOR<br>CONTROL INFORMATION.    |
|  |  | — LETTER DESIGNATOR:                                                                                             |
|  |  | E = EMERGENCY<br>U = UPS<br>S = STANDBY<br>C = CRITICAL<br>H = SPLIT RECEPTACLE                                  |
|  |  | IG = ISOLATED GROUND<br>P = SURGE PROTECTIVE DEVICE<br>A = AFCI<br>B = WITH USB OUTLETS                          |
|  |  | — DENOTES PANELBOARD AND CIRCUIT NUMBER.                                                                         |
|  |  | — DENOTES CIRCUIT NUMBER.<br>REFER TO SHEET GENERAL NOTES FOR PANELBOARD.                                        |
|  |  | PEDESTAL OUTLET: POWER & SIGNAL COMBINATION                                                                      |
|  |  | SURFACE OUTLET STRIP: DIMENSION AS SHOWN.<br>SEE SPECIFICATIONS.                                                 |
|  |  | POWER POLE, POWER, COMBINATION<br>CIRCUITS AS INDICATED.                                                         |
|  |  | JUNCTION BOX                                                                                                     |
|  |  | JUNCTION BOX HOME RUN. CIRCUITS AS INDICATED.                                                                    |
|  |  | JUNCTION BOX HOME RUN & FURNITURE FEED.<br>CIRCUITS AS INDICATED.                                                |
|  |  | CONNECTION TO EQUIPMENT PROVIDED BY OTHERS                                                                       |
|  |  | PUSH BUTTON STATION: SINGLE, DOUBLE                                                                              |
|  |  | ELECTRICAL EQUIPMENT                                                                                             |
|  |  | PANELBOARD: SURFACE, RECESSED                                                                                    |
|  |  | ENCLOSURE: SURFACE, RECESSED                                                                                     |
|  |  | TRANSFORMER                                                                                                      |
|  |  | DISCONNECT: NON FUSED, FUSED                                                                                     |
|  |  | GROUND PAD                                                                                                       |
|  |  | NETWORKED POWER METERING/MONITORING                                                                              |
|  |  | ENCLOSED CIRCUIT BREAKER                                                                                         |

|                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <span style="font-size: 24px; font-weight: bold; vertical-align: middle;">Port of Portland</span>                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|  <span style="font-size: 24px; font-weight: bold;">mwa architects</span>                                                                                                                                                     | <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <span style="font-size: 24px; font-weight: bold;">PAE</span> </div> <div> <p style="margin: 0;">pae-engineers.com</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: center;"> <p style="margin: 0;">151 SW 1st Avenue #300<br/>Portland, OR 97204</p> </div> <div style="text-align: center;"> <p style="margin: 0;">503.226.2921<br/>pae-engineers.com</p> </div> </div> |
| <div style="border-bottom: 1px solid black; width: 100%;"></div> <div style="display: flex; justify-content: space-between; font-size: 12px; font-weight: bold;"> <span>2025D031</span> <span>103101</span> </div> <div style="display: flex; justify-content: space-between; font-size: 10px;"> <span>DESIGN NUMBER</span> <span>PROJECT NUMBER</span> </div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |



## SYMBOLS, LEGENDS, & ABBREVIATIONS - ELECTRICAL

|              |               |      |                         |
|--------------|---------------|------|-------------------------|
| SUBMITTED BY | BRIAN FRANCIS |      |                         |
| DESIGNED BY  | A. NGUYEN     |      |                         |
| DRAWN BY     | A. NGUYEN     |      |                         |
| CHECKED BY   | J. MUTSCHLER  |      |                         |
| DATE         | JULY 2026     |      |                         |
| SHEET NO.    | 110           | TYPE | CD                      |
| DRAWING NO.  | PDX 2026-510  |      | DISC. SHT. NO.<br>E0.01 |

DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".



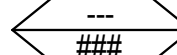


CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.

LIGHTING LEGEND:

| EMERGENCY NORMAL  |                   |                                                                                                       |
|-------------------|-------------------|-------------------------------------------------------------------------------------------------------|
| NA                |                   | TRACK LIGHTING WITH , WITHOUT CURRENT LIMITER                                                         |
|                   |                   | DOWNLIGHT: RECESSED: SQUARE, ROUND                                                                    |
|                   |                   | WALL WASHER: RECESSED: SQUARE, ROUND                                                                  |
|                   |                   | ADJUSTABLE ACCENT: RECESSED: SQUARE, ROUND                                                            |
|                   |                   | DOWNLIGHT: SURFACE: SQUARE, ROUND                                                                     |
|                   |                   | WALL WASHER: RECESSED SQUARE, ROUND                                                                   |
|                   |                   | ADJUSTABLE ACCENT: SURFACE: SQUARE, ROUND                                                             |
|                   |                   | ADJUSTABLE ACCENT: MULTILAMP                                                                          |
|                   |                   | LINEAR: RECESSED                                                                                      |
|                   |                   | LINEAR: RECESSED ASYMMETRIC                                                                           |
|                   |                   | LINEAR: SURFACE                                                                                       |
|                   |                   | LINEAR: SURFACE ASYMMETRIC                                                                            |
|                   |                   | LINEAR: SUSPENDED                                                                                     |
|                   |                   | LINEAR: SUSPENDED ASYMMETRIC                                                                          |
|                   |                   | LINEAR: WALL MOUNTED                                                                                  |
|                   |                   | LINEAR: WALL MOUNTED ASYMMETRIC                                                                       |
|                   |                   | STRIP LIGHT                                                                                           |
| NA                |                   | LINEAR: UNDERCABINET                                                                                  |
|                   |                   | LINEAR ACCENT: ARCHITECTURE INTEGRATED                                                                |
|                   | NA                | PENDANT: SQUARE, ROUND                                                                                |
|                   |                   | EXIT SIGN: TOP SURFACE OR TOP RECESSED: EXIT SIGN , DOUBLE                                            |
|                   | NA                | EXIT SIGN: SIDE OR FLAG MOUNT: SINGLE , DOUBLE                                                        |
|                   | NA                | EXIT SIGN: BACK SURFACE MOUNT                                                                         |
|                   |                   | WALL MOUNTED: RECESSED: SQUARE, ROUND                                                                 |
|                   |                   | POLE MOUNTED: SURFACE: SQUARE, ROUND                                                                  |
|                   |                   | POLE-MOUNTED: AREA: SQUARE, ROUND                                                                     |
|                   |                   | POLE-MOUNTED: STREET: RECTANGULAR, OVAL                                                               |
|                   |                   | POLE-MOUNTED: PEDESTRIAN: SQUARE, ROUND                                                               |
| NA                |                   | BOLLARD 360: SQUARE, ROUND                                                                            |
| NA                |                   | BOLLARD 180: SQUARE, ROUND                                                                            |
| NA                |                   | INGRADE SQUARE, ROUND                                                                                 |
|                   |                   | INGRADE ADJUSTABLE SQUARE, ROUND                                                                      |
|                   |                   | FLOOD LIGHT                                                                                           |
| \$                | \$ <sup>2</sup>   | WALL SWITCH: 1 POLE, 2 POLE                                                                           |
| \$ <sup>3</sup>   | \$ <sup>4</sup>   | WALL SWITCH: 3 WAY, 4 WAY                                                                             |
| \$ <sup>K</sup>   | \$ <sup>M</sup>   | WALL SWITCH: KEY LOCK, MOMENTARY                                                                      |
| \$ <sup>LV</sup>  | \$ <sup>P</sup>   | WALL SWITCH: LOW VOLTAGE, PILOT                                                                       |
| \$ <sup>T</sup>   | \$ <sup>D</sup>   | WALL SWITCH: TIMER, MANUAL DIMMER                                                                     |
| \$ <sup>OS</sup>  |                   | WALL SWITCH: COMBINATION OCCUPANCY SENSOR / SWITCH                                                    |
|                   |                   | CONTROL STATION SUGGESTED LOCATION                                                                    |
| \$ <sup>OSD</sup> | \$ <sup>VSD</sup> | WALL SWITCH COMBINATION OCCUPANCY SENSOR / DIMMING SWITCH, VACANCY SENSOR/DIMMING SWITCH              |
| L#, F# ; YY       |                   | DESIGNATES LUMINAIRE TYPE (SEE LUMINAIRE SCHEDULE)                                                    |
|                   |                   | YY DENOTES UNIQUE FIXTURE ID (WHERE DMX CONTROLLED)                                                   |
| Z#                | Z#E               | DESIGNATES NORMAL LUMINAIRE ZONE, DESIGNATES EMERGENCY LUMINAIRE ZONE (SEE LIGHTING CONTROL SCHEDULE) |
| EM                |                   | DESIGNATES EMERGENCY FIXTURE                                                                          |
|                   |                   | PHOTOELECTRIC CELL: WALL MOUNTED, CEILING MOUNTED                                                     |
|                   |                   | OCCUPANCY SENSOR: CEILING OR WALL MOUNTED                                                             |
|                   |                   | "X" DESIGNATES DEVICE TYPE:<br>U: ULTRASONIC<br>R: INFRARED<br>DT: DUAL TECHNOLOGY                    |
|                   |                   | LIGHTING CONTROL RELAY SUGGESTED LOCATION                                                             |
|                   |                   | LIGHTING DRIVER SUGGESTED LOCATION                                                                    |
|                   |                   | POWER PACK SUGGESTED LOCATION                                                                         |

## DESIGNATION SYMBOLS:

|     |                                                                                                  |                                                  |    |                      |
|-----|--------------------------------------------------------------------------------------------------|--------------------------------------------------|----|----------------------|
|     | 123.4                                                                                            | STRUCTURAL ENABLING SCOPE IDENTIFIER             |    |                      |
| (E) | (X)                                                                                              | EXISTING TO REMAIN, EXISTING TO BE REMOVED       |    |                      |
| (R) | (RE)                                                                                             | REPLACE, RELOCATED EXISTING                      |    |                      |
| (N) | (C)                                                                                              | NEW, CONNECT TO                                  |    |                      |
| (F) |                                                                                                  | FUTURE                                           |    |                      |
| (1) | ####                                                                                             | NOTE                                             |    |                      |
|     |                | HARDWIRED CONNECTION, SEE SCHEDULE.              |    |                      |
|     |                | MECHANICAL/PLUMBING CONNECTION,<br>SEE SCHEDULE. |    |                      |
|     | <table border="1" data-bbox="944 485 1003 528"><tr><td>ITP</td></tr><tr><td>XX</td></tr></table> | ITP                                              | XX | INTEGRATED TECH POLE |
| ITP |                                                                                                  |                                                  |    |                      |
| XX  |                                                                                                  |                                                  |    |                      |

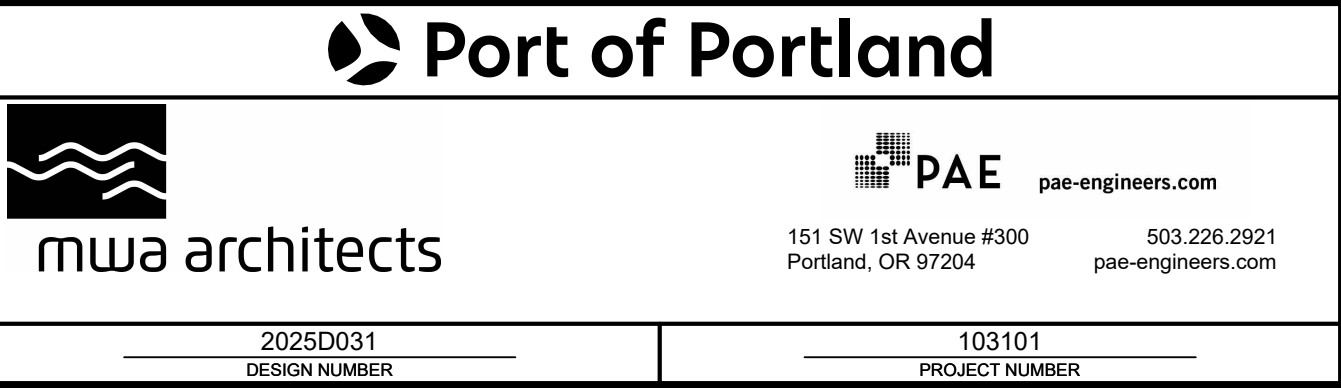
NOTE:

THIS IS A STANDARD LEGEND SHEET, THEREFORE, SOME SYMBOLS MAY  
APPEAR ON THIS SHEET THAT DO NOT APPEAR ON THE DRAWINGS.

# FIRE ALARM

 SWITCH: VALVE SUPERVISORY, WATER FLOW  
 MANUAL PULL STATION (DUAL ACTION)  
 DETECTOR: HEAT  
 DETECTOR: SMOKE  
 LETTER DESIGNATOR:  
     BT = BEAM TRANSMITTER  
     BR = BEAM RECEIVER  
     I = IONIZATION  
     ID = IN DUCT  
     P = PHOTOELECTRIC  
 SMOKE DETECTOR / SENSOR FOR DUCT  
 FIRE SERVICE OR EMERGENCY PHONE STATION  
 DOOR HOLDER

| WALL                                                                                                                                                                      | CEILING                                                                                                                                                                   | NOTIFICATION DEVICES                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
|                                                                                       |                                                                                       | VISIBLE (STROBE)                       |
|   |   | HORN; COMBINATION HORN / VISIBLE       |
|   |   | SPEAKER; COMBINATION SPEAKER / VISIBLE |
|                                                                                       |                                                                                       | BELL                                   |
|   |   | CHIME; COMBINATION CHIME / VISIBLE     |

[illegible]

|                                                                                                                                     |              |     |                |    |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|----------------|----|
| PORTLAND INTERNATIONAL AIRPORT<br><br>TERMINAL RESTROOM REHABILITATION 2026<br><br>SYMBOLS, LEGENDS, & ABBREVIATIONS 2 - ELECTRICAL | SUBMITTED BY |     | BRIAN FRANCIS  |    |
|                                                                                                                                     | DESIGNED BY  |     | A. NGUYEN      |    |
|                                                                                                                                     | DRAWN BY     |     | A. NGUYEN      |    |
|                                                                                                                                     | CHECKED BY   |     | J. MUTSCHLER   |    |
|                                                                                                                                     | DATE         |     | JULY 2026      |    |
|                                                                                                                                     | SHEET NO.    | 111 | TYPE           | CD |
|                                                                                                                                     | DRAWING NO.  |     | DISC. SHT. NO. |    |
|                                                                                                                                     | PDX 2026-510 |     | E0.02          |    |





0 1/4" 1/2" 1" 2"  
GRAPHIC SCALE-FOR REFERENCE ONLY

[illegible]

**NOTES:**

A. REFER TO PANEL SCHEDULES FOR OVERCURRENT PROTECTION CHARACTERISTICS AND CIRCUIT NUMBERS

B. COORDINATE ALL EQUIPMENT CONNECTION REQUIREMENTS WITH INSTALLING CONTRACTOR PRIOR TO THE INSTALLATION OF ANY ELECTRICAL WORK. PROVIDE FIELD WIRING BETWEEN STARTERS, DISCONNECTS, VFDS AND OTHER APPURTENANCES AS REQUIRED FOR A...

C. VFD'S ARE FURNISHED BY DIVISION 23. INSTALL VFD AND PROVIDE LINE AND LOAD SIDE FEEDERS IN ELECTRICAL WORK.

D. LOCATE COMBINATION STARTER/DISCONNECTS AND DISCONNECT SWITCHES WITHIN SIGHT OF AND ADJACENT TO EQUIPMENT SERVED. COORDINATE DISCONNECT INSTALLATION AND LOCATION WITH EQUIPMENT INSTALLER.

E. NOT ALL EQUIPMENT IDENTIFIED HERE IS SHOWN ON FLOOR PLANS. REFER TO DRAWINGS IN OTHER DISCIPLINES FOR EQUIPMENT LOCATIONS

## KEYNOTES:

1. UTILIZE EXISTING BRANCH CIRCUIT TO CONNECT TO NEW EQUIPMENT.

[illegible]

|                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <span style="font-size: 24pt; font-weight: bold; vertical-align: middle;">Port of Portland</span> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|  <span style="font-size: 24pt; font-weight: bold;">mwa architects</span>              | <div style="text-align: right;">  <span style="font-size: 24pt; font-weight: bold;">PAE</span> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="text-align: left;"> <p>151 SW 1st Avenue #300<br/>Portland, OR 97204</p> </div> <div style="text-align: right;"> <p>503.226.2921<br/>pae-engineers.com</p> </div> </div> |
| <div style="border-bottom: 1px solid black; width: 100%; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between;"> <span>2025D031</span> <span>DESIGN NUMBER</span> </div>               | <div style="border-bottom: 1px solid black; width: 100%; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between;"> <span>103101</span> <span>PROJECT NUMBER</span> </div>                                                                                                                                                                                                                                                                                                    |



|                                                                                                                                                  |              |  |               |                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--|---------------|----------------------|
| <div>PORTLAND INTERNATIONAL AIRPORT</div> <div>TERMINAL RESTROOM REHABILITATION 2026</div> <div>EQUIPMENT CONNECTION SCHEDULE - ELECTRICAL</div> | SUBMITTED BY |  | BRIAN FRANCIS |                      |
|                                                                                                                                                  | DESIGNED BY  |  | A. NGUYEN     |                      |
|                                                                                                                                                  | DRAWN BY     |  | A. NGUYEN     |                      |
|                                                                                                                                                  | CHECKED BY   |  | J. MUTSCHLER  |                      |
|                                                                                                                                                  | DATE         |  | JULY 2026     |                      |
|                                                                                                                                                  | SHEET NO.    |  | 112           | TYPE CD              |
|                                                                                                                                                  | DRAWING NO.  |  | PDX 2026-510  | DISC. SHT. NO. E0.03 |





| FIXTURE TYPE | PRODUCT DESCRIPTION                                                                                             | BASIS OF DESIGN MANUFACTURER | SIZE (NOMINAL)                                                     | APPROXIMATE INPUT WATTS | SOURCE (Type, CCT, Delivered Lumens)   | DRIVER (Integral/Remote) (Electronic/Magn.) (Dimming Type) | INPUT VOLTAGE | FINISH                                                   | MOUNTING                                                                       | NOTES                                            | ALTERNATE MANUFACTURER(S)                                           |
|--------------|-----------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------|-------------------------|----------------------------------------|------------------------------------------------------------|---------------|----------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------------|
| L1           | LED FIXED DOWNLIGHT STEEL HOUSING, FIELD CHANGEABLE OPTICS, 40 DEGREE DISTRIBUTION AND SOLITE DIFFUSING LENS    | ACULUX AX4SQ SERIES          | HOUSING 4.5 INCH HIGH X 11 X 8 INCHES APERTURE 4 INCH              | 19 WATTS                | LED, 3500K 2280 LUMENS NOMINAL         | INTEGRAL 0-10 VOLT ELECTRONIC DIMMING TO 1%                | 120-277       | WHITE BAFFLE WITH SOFT WHITE ANTI MICROBIAL PAINTED TRIM | RECESSED CEILING COORDINATE MOUNTING FOR CEILING PANEL OR HARD LID APPLICATION | 40 DEGREE DISTRIBUTION                           | AMERLUX EVOKE SERIES OR PREBID APPROVED MUST MEET BABA REQUIREMENTS |
| L2           | LED FIXED WALL WASH DOWNLIGHT STEEL HOUSING, FIELD CHANGEABLE OPTICS, 40 DEGREE DISTRIBUTION AND WALL WASH LENS | ACULUX AX4SQ SERIES          | HOUSING 4.5 INCH HIGH X 11 X 8 INCHES APERTURE 4 INCH              | 25 WATTS                | LED, 3500K 1821 LUMENS NOMINAL         | INTEGRAL 0-10 VOLT ELECTRONIC DIMMING TO 1%                | 120-277       | WHITE BAFFLE WITH SOFT WHITE ANTI MICROBIAL PAINTED TRIM | RECESSED CEILING COORDINATE MOUNTING FOR CEILING PANEL OR HARD LID APPLICATION | SELF FLANGE                                      | AMERLUX EVOKE SERIES OR PREBID APPROVED MUST MEET BABA REQUIREMENTS |
| L3           | LED LINEAR SUSPENDED IN ARCHITECTURAL REVEAL                                                                    | AXIS BEAM 2 SERIES PENDANT   | 2.75 HIGH X 2.5 WIDE X LENGTH AS SHOWN TO NEAREST 1 FOOT INCREMENT | 5 WATTS PER FOOT        | LED 3500K 500 LUMENS PER FOOT GZ OPTIC | INTEGRAL 0-10 VOLT ELECTRONIC DIMMING TO 1%                | 120-277       | STANDARD                                                 | SUSPENDED AT CEILING EDGE                                                      | ALIGN BOTTOM OF LUMINAIRE WITH BOTTOM OF CEILING | LUMENWORKS, PICASSO, OR PREBID APPROVED MUST MEET BABA REQUIREMENTS |
| L4           | LED FIXED WALL WASH DOWNLIGHT STEEL HOUSING, FIELD CHANGEABLE OPTICS, 40 DEGREE DISTRIBUTION AND WALL WASH LENS | ACULUX AX4SQ SERIES          | HOUSING 4.5 INCH HIGH X 11 X 8 INCHES APERTURE 4 INCH              | 13 WATTS                | LED, 3500K 1084 LUMENS NOMINAL         | INTEGRAL 0-10 VOLT ELECTRONIC DIMMING TO 1%                | 120-277       | WHITE BAFFLE WITH SOFT WHITE ANTI MICROBIAL PAINTED TRIM | RECESSED CEILING COORDINATE MOUNTING FOR CEILING PANEL OR HARD LID APPLICATION | SELF FLANGE                                      | AMERLUX EVOKE SERIES OR PREBID APPROVED MUST MEET BABA...           |
| L5           | LED LINEAR STRIP STYLE LIGHT WITH UPLIGHT LENSE                                                                 | LITHONIA CLX SERIES          | 5 INCH WIDE (WITH LENS X 4 INCH HIGH                               | 24 WATT                 | LED 3500K 4000LM                       | INTEGRAL 0-10 VOLT ELECTRONIC DIMMING TO 1%                | 120-277       | STANDARD                                                 | SURFACE OR CHAIN HUNG                                                          |                                                  | DAYBRITE OR PREBID APPROVED MUST MEET BABA REQUIREMENTS             |
| L6           | LED INDIRECT EDGE-LIT RECESSED 2X2 LED TROFFER.                                                                 | FLUXWEX RAIL SERIES          | 23.8"W x 23.8"L x 3.5"H                                            | 22 WATT                 | LED 3500K 2800LM 80+ CRI               | INTEGRAL 0-10 VOLT ELECTRONIC DIMMING TO 1%                | 120-277       | STANDARD                                                 | RECESSED CEILING                                                               |                                                  | MUST MEET BABA REQUIREMENTS                                         |

[illegible]



# Port of Portland



**PAE** [pae-engineers.com](http://pae-engineers.com)

151 SW 1st Avenue #300  
Portland, OR 97204

503.226.2921  
[pae-engineers.com](http://pae-engineers.com)



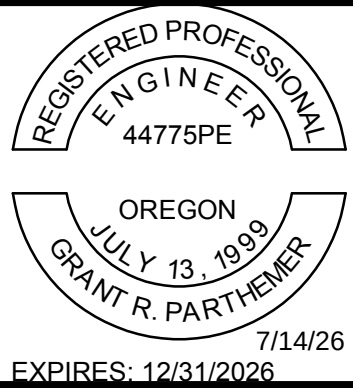
**mwa architects**

2025D031

DESIGN NUMBER

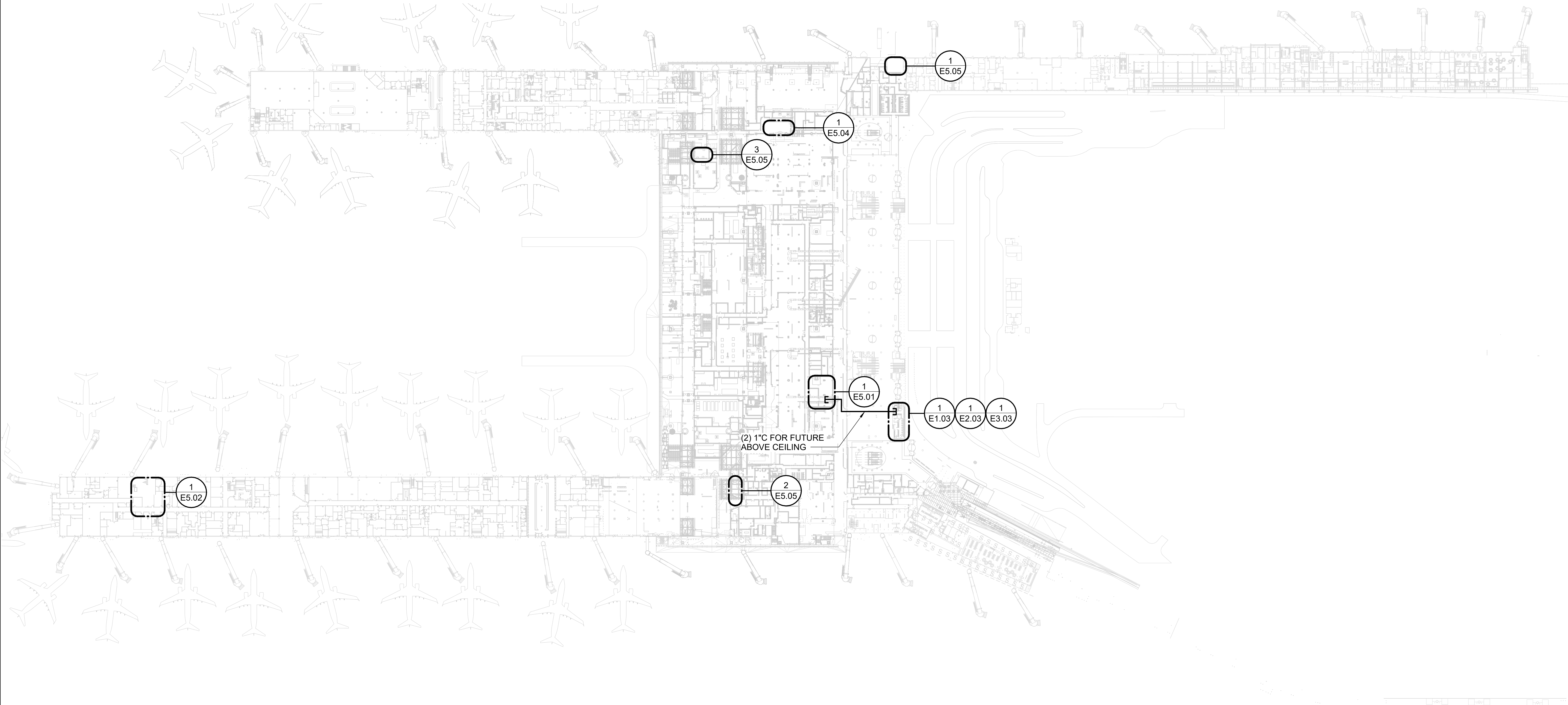
103101

PROJECT NUMBER



|                                       |              |  |               |                      |
|---------------------------------------|--------------|--|---------------|----------------------|
| PORTLAND INTERNATIONAL AIRPORT        | SUBMITTED BY |  | BRIAN FRANCIS |                      |
|                                       | DESIGNED BY  |  | A. NGUYEN     |                      |
| TERMINAL RESTROOM REHABILITATION 2026 | DRAWN BY     |  | A. NGUYEN     |                      |
|                                       | CHECKED BY   |  | J. MUTSCHLER  |                      |
| LUMINAIRE SCHEDULE - ELECTRICAL       | DATE         |  | JULY 2026     |                      |
|                                       | SHEET NO.    |  | 113           | TYPE CD              |
|                                       | DRAWING NO.  |  | PDX 2026-510  | DISC. SHT. NO. E0.04 |





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|  <span style="font-size: 24px; font-weight: bold; vertical-align: middle;">Port of Portland</span>                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|  <span style="font-size: 24px; font-weight: bold;">mwa architects</span>                                                                                                                                                                                                                             | <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <span style="font-size: 24px; font-weight: bold;">PAE</span> </div> <div style="text-align: right;"> <p style="margin: 0;"><a href="http://pae-engineers.com">pae-engineers.com</a></p> <p style="margin: 0;">503.226.2921</p> <p style="margin: 0;"><a href="http://pae-engineers.com">pae-engineers.com</a></p> </div> </div> <div style="margin-top: 20px; display: flex; justify-content: space-between;"> <p style="width: 45%;">151 SW 1st Avenue #300<br/>Portland, OR 97204</p> <p style="width: 45%; text-align: right;">503.226.2921<br/><a href="http://pae-engineers.com">pae-engineers.com</a></p> </div> |
| <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between;"> <span style="width: 45%;">2025D031</span> <span style="width: 45%; text-align: right;">103101</span> </div> <div style="display: flex; justify-content: space-between;"> <span style="width: 45%;">DESIGN NUMBER</span> <span style="width: 45%; text-align: right;">PROJECT NUMBER</span> </div> | <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between;"> <span style="width: 45%;">2025D031</span> <span style="width: 45%; text-align: right;">103101</span> </div> <div style="display: flex; justify-content: space-between;"> <span style="width: 45%;">DESIGN NUMBER</span> <span style="width: 45%; text-align: right;">PROJECT NUMBER</span> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                       |

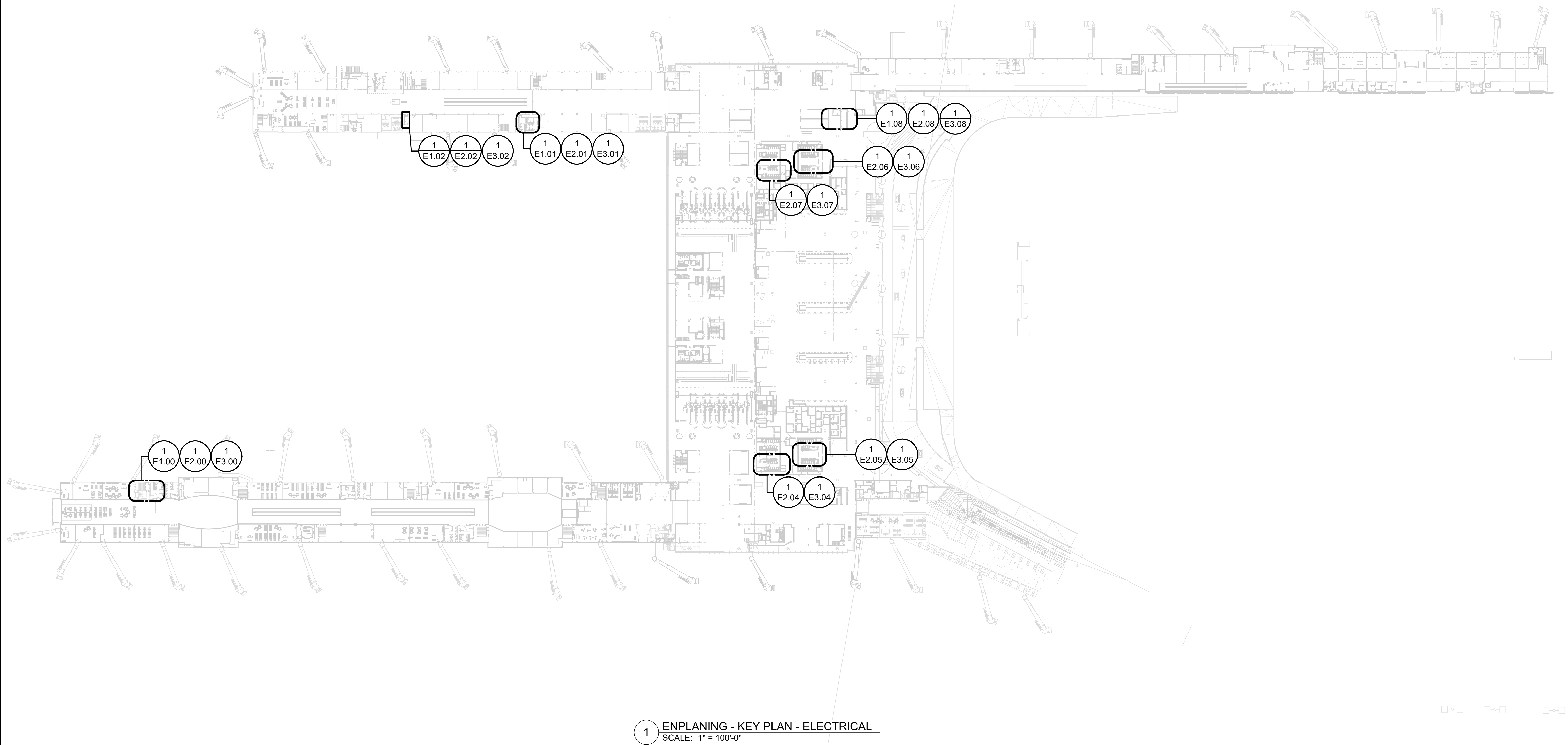
REGISTERED PROFESSIONAL  
ENGINEER  
44775PE

OREGON  
JULY 13, 1999  
GRANT R. PARTHEMER

7/14/26  
EXPIRES: 12/31/2026

SALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".





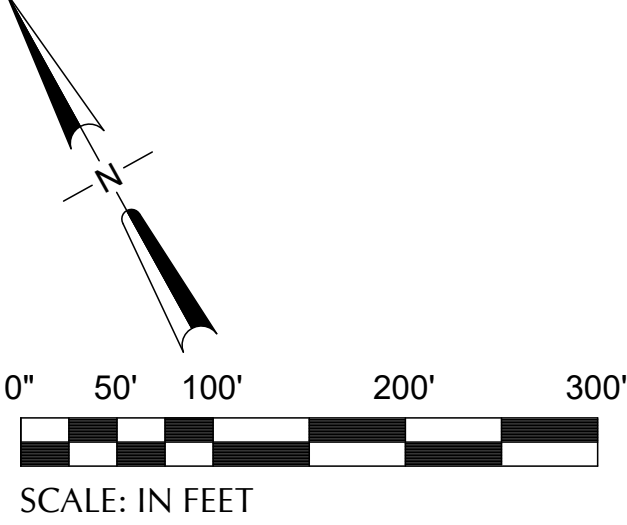
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|--------------|---------------|----------------|----|
| SUBMITTED BY | BRIAN FRANCIS |                |    |
| DESIGNED BY  | A. NGUYEN     |                |    |
| DRAWN BY     | A. NGUYEN     |                |    |
| CHECKED BY   | J. MUTSCHLER  |                |    |
| DATE         | JULY 2026     |                |    |
| SHEET NO.    | 115           | TYPE           | CD |
| DRAWING NO.  |               | DISC. SHT. NO. |    |
| PDX 2026-510 |               | E0.20          |    |



GRAPHIC SCALE FOR REFERENCE ONLY

0 1/4" 1/2" 1" 2"

DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17"

[illegible]

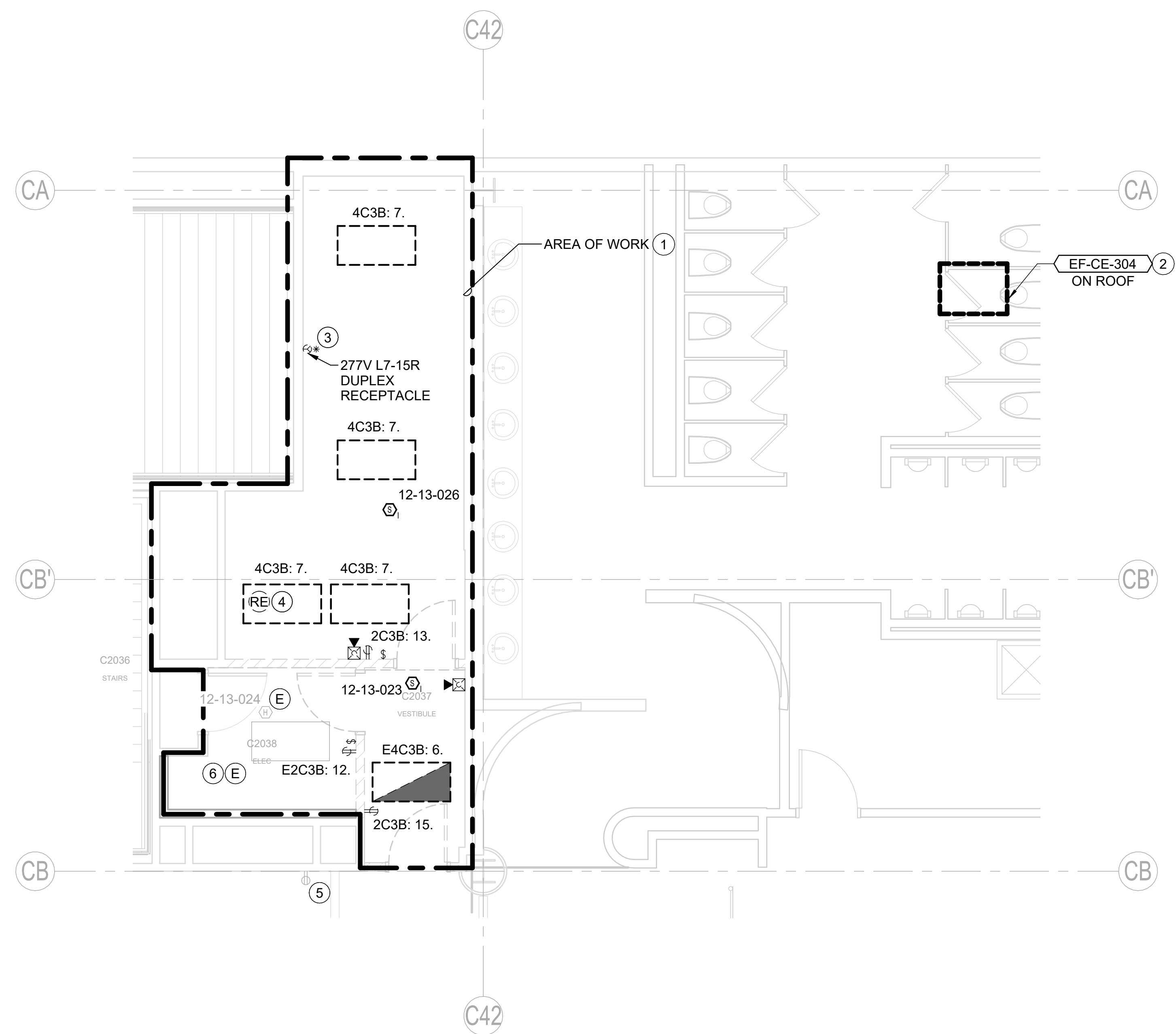
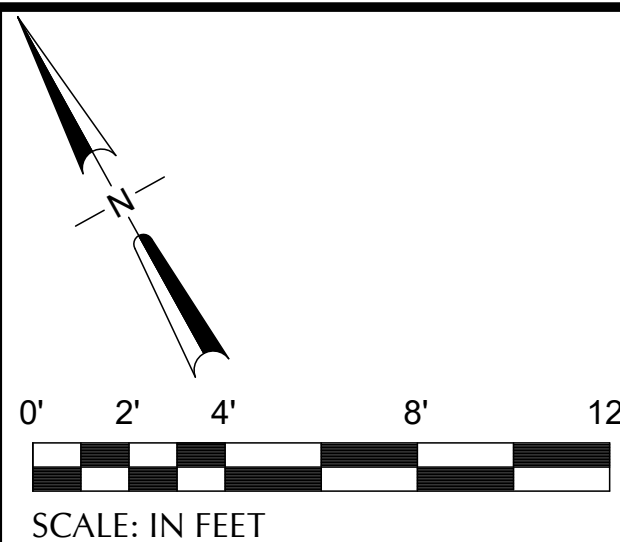
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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <span style="font-size: 24pt; font-weight: bold; vertical-align: middle;">Port of Portland</span>                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|  <span style="font-size: 24pt; font-weight: bold;">mwa architects</span>                                                                                                                                                                        | <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <span style="font-size: 24pt; font-weight: bold;">PAE</span> </div> <div style="text-align: right;"> <p style="margin: 0;"><a href="http://pae-engineers.com">pae-engineers.com</a></p> <p style="margin: 0;">503.226.2921</p> <p style="margin: 0;"><a href="http://pae-engineers.com">pae-engineers.com</a></p> </div> </div> <p style="margin-top: 20px; font-size: 12pt;">151 SW 1st Avenue #300<br/>Portland, OR 97204</p> |
| <div style="border-bottom: 1px solid black; width: 100%;"></div> <div style="display: flex; justify-content: space-between; font-size: 10pt; font-weight: bold;"> <span>2025D031</span> <span>103101</span> </div> <div style="display: flex; justify-content: space-between; font-size: 10pt; font-weight: bold;"> <span>DESIGN NUMBER</span> <span>PROJECT NUMBER</span> </div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |



|                                         |
|-----------------------------------------|
| PORTLAND INTERNATIONAL AIRPORT          |
| TERMINAL RESTROOM REHABILITATION 2026   |
| MEZZANINE LEVEL - KEY PLAN - ELECTRICAL |

|              |               |      |                         |
|--------------|---------------|------|-------------------------|
| SUBMITTED BY | BRIAN FRANCIS |      |                         |
| DESIGNED BY  | A. NGUYEN     |      |                         |
| DRAWN BY     | A. NGUYEN     |      |                         |
| CHECKED BY   | J. MUTSCHLER  |      |                         |
| DATE         | JULY 2026     |      |                         |
| SHEET NO.    | 116           | TYPE | CD                      |
| DRAWING NO.  | PDX 2026-510  |      | DISC. SHT. NO.<br>E0.30 |



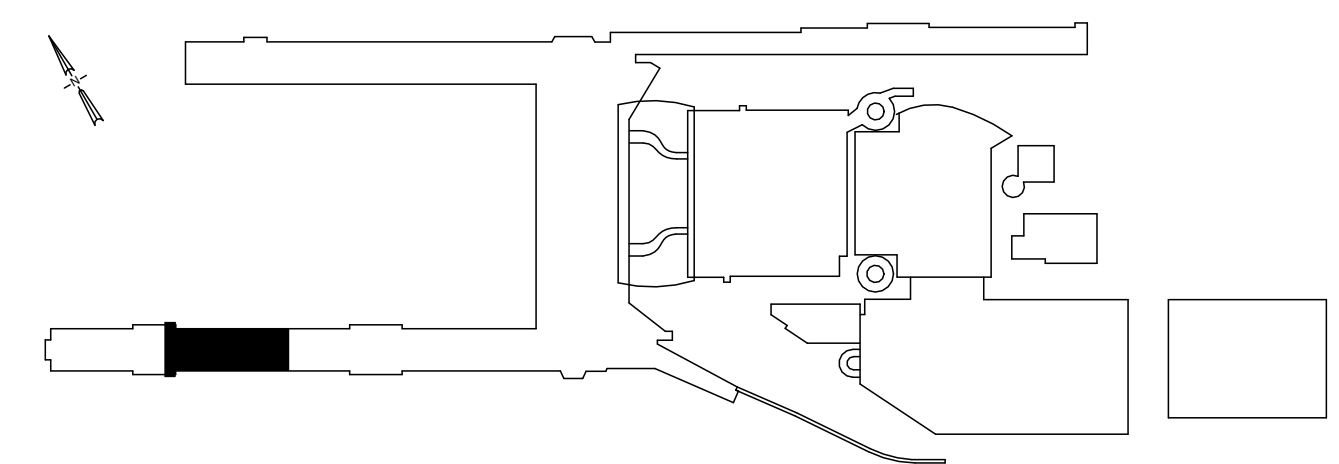


- ## NOTES

1. LOCATIONS SHOWN FOR DEVICES, EQUIPMENT, LUMINARIES AND ENCLOSURE ARE DIAGRAMMATIC AND INFORMATION HAS BEEN DETERMINED FROM AS-BUILT DOCUMENTS AND SITE OBSERVATIONS. CONTRACTOR TO FIELD VERIFY DURING PRE-BID WALK AND IDENTIFY COMPLETE SOW FOR DEMOLITION.
2. ALL RECEPTACLES, EQUIPMENT, LUMINARIES AND DEVICES ARE TO BE REMOVED IN AREA OF WORK UNLESS OTHERWISE NOTED.
3. WHERE DEMOLITION IS SPECIFICALLY NOTED: THAT EQUIPMENT, DEVICE, LUMINAIRE, ETC AND IT'S BRANCH CIRCUIT SHALL BE REMOVED IN ITS ENTIRETY BACK TO THE PANEL OR LAST ACTIVE UPSTREAM DEVICE UNLESS OTHERWISE NOTED. PROVIDE CONDUIT AND CONDUCTORS TO MAINTAIN CONNECTION TO ALL DOWNSTREAM DEVICES THAT REMAIN.
4. MAINTAIN THE INTEGRITY OF ALL BRANCH CIRCUITS, FEEDERS, ENERGIZED EQUIPMENT, ETC THAT ROUTE THROUGH DEMOLITION AREAS AND SERVE EQUIPMENT TO REMAIN.

## KEY NOTES

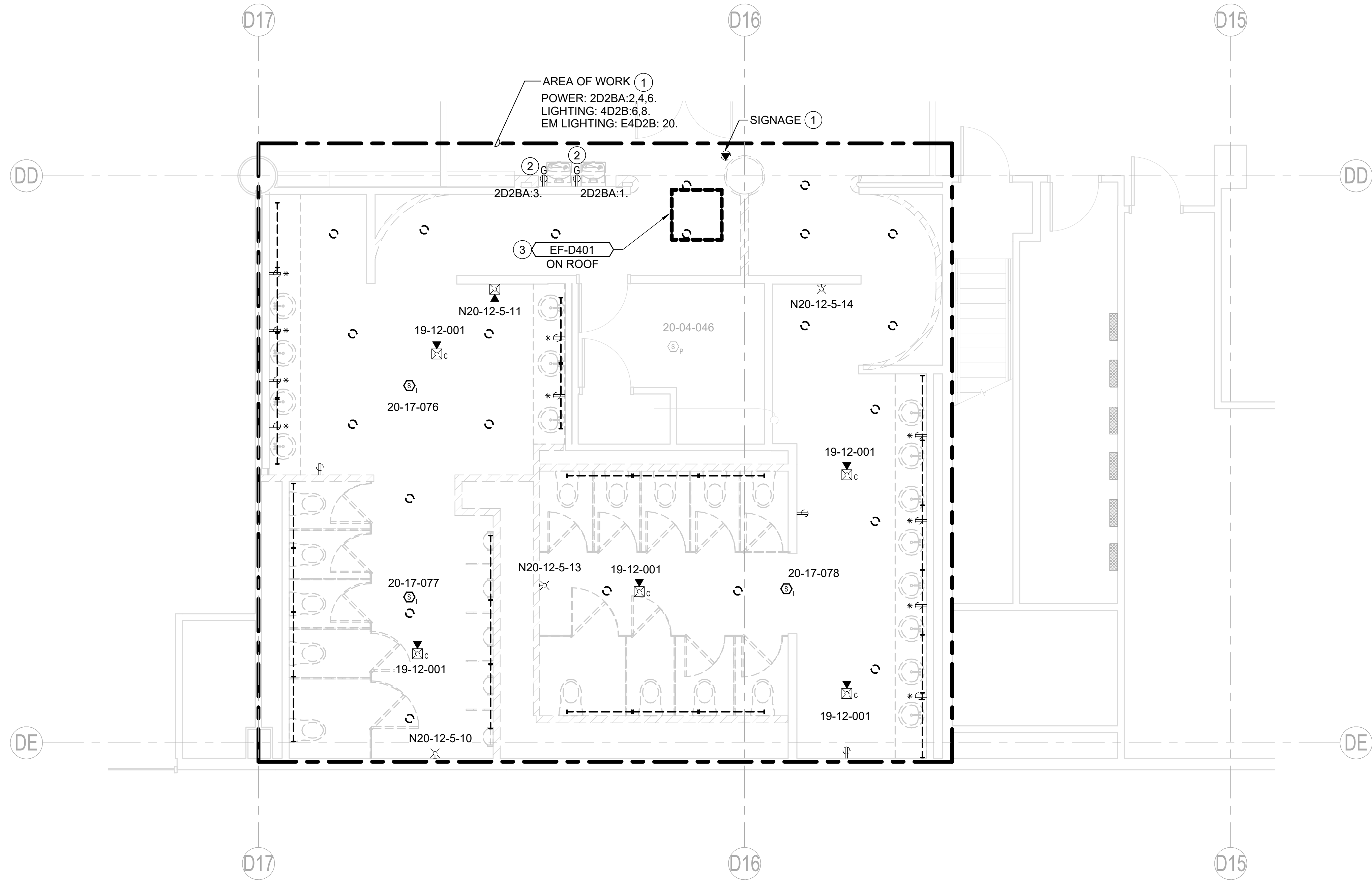
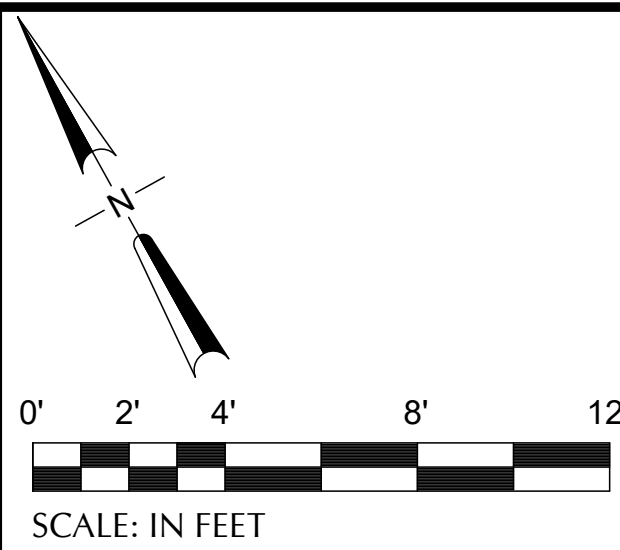
1. DEMOLISH EXISTING LIGHT FIXTURES AND RECEPTACLES AND ASSOCIATED CIRCUITING. EXISTING BRANCH CIRCUITS FOR LIGHTING ARE TO REMAIN FOR REUSE.
2. DISCONNECT EXHAUST FAN AND SAVE BRANCH CIRCUIT FOR REUSE.
3. DEMOLISH RECEPTACLE. CONTRACTOR TO IDENTIFY SOURCE PANEL AND CIRCUIT AND MARK THE CIRCUIT AS SPARE IF NO ACTIVE CONNECTION REMAIN. UPDATE PANEL SCHEDULE IN AS BUILT DRAWINGS FOR RECORD DOCUMENTS.
4. RELOCATE EXISTING LIGHT TO NEW LOCATION SHOWN ON SHEET E2.00. CONNECT TO EXISTING SWITCH IN ROOM.
5. DISCONNECT EXISTING SMARTE CARTE KIOSK. EXISTING RECEPTACLE TO REMAIN. COORDINATE WITH PORT FOR TEMPORARY LOCATION.
6. DISCONNECT EXISTING SWITCH LEG FOR DEMOLITION OF SWITCH - SEE E2.00 FOR NEW CONTROL



1 CONOURSE C - SECTOR 5 - C2039 - ENPLANING - DEMO PLAN - ELECTRICAL  
SCALE: 1/4" = 1'-0"

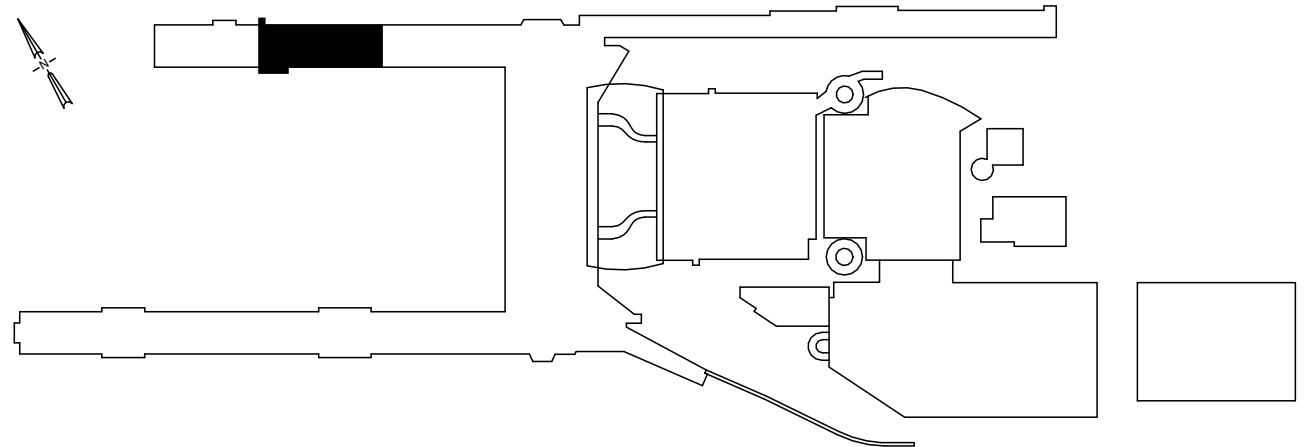
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1. LOCATIONS SHOWN FOR DEVICES, EQUIPMENT, LUMINARIES AND ENCLOSURE ARE DIAGRAMMATIC AND INFORMATION HAS BEEN DETERMINED FROM AS-BUILT DOCUMENTS AND SITE OBSERVATIONS. CONTRACTOR TO FIELD VERIFY DURING PRE-BID WALK AND IDENTIFY COMPLETE SOW FOR DEMOLITION.
2. ALL RECEPTACLES, EQUIPMENT, LUMINARIES AND DEVICES ARE TO BE REMOVED IN AREA OF WORK UNLESS OTHERWISE NOTED.
3. WHERE DEMOLITION IS SPECIFICALLY NOTED: THAT EQUIPMENT, DEVICE, LUMINAIRE, ETC AND ITS BRANCH CIRCUIT SHALL BE REMOVED IN ITS ENTIRETY BACK TO THE PANEL OR LAST ACTIVE UPSTREAM DEVICE UNLESS OTHERWISE NOTED. PROVIDE CONDUIT AND CONDUCTORS TO MAINTAIN CONNECTION TO ALL DOWNSTREAM DEVICES THAT REMAIN.
4. MAINTAIN THE INTEGRITY OF ALL BRANCH CIRCUITS, FEEDERS, ENERGIZED EQUIPMENT, ETC THAT ROUTE THROUGH DEMOLITION AREAS AND SERVE EQUIPMENT TO REMAIN.

1. DISCONNECT AND REMOVE ALL LIGHTING, SIGNAGE AND ASSOCIATED BRANCH CIRCUITS . REFEED NEW THROUGH RELAY PANELS - SEE E2.01. DISCONNECT AND REMOVE ALL DEVICES, MAINTAIN CIRCUITS FOR REUSE
2. DISCONNECT EWC AND DEMOLISH DEVICE PRESERVE CIRCUIT FOR EXTENSION TO NEW LOCATION SHOWN ON SHEET E3.01.
3. DISCONNECT EXISTING EXHAUST FAN AND SAVE BRANCH CIRCUIT FOR REUSE



1 CONCURSE D - SECTOR 2 - D2221, D2222, D2223 - ENPLANING - DEMO PLAN - ELECTRICAL  
SCALE: 1/4" = 1'-0"

[illegible]

|                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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|  <span style="font-size: 24pt; font-weight: bold; vertical-align: middle;">Port of Portland</span>                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|  <span style="font-size: 24pt; font-weight: bold;">mwa architects</span>                                                                                                                                                                                                    | <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <span style="font-size: 24pt; font-weight: bold;">PAE</span> </div> <div style="text-align: right;"> <p style="margin: 0;"><a href="http://pae-engineers.com">pae-engineers.com</a></p> <p style="margin: 0;">503.226.2921</p> <p style="margin: 0;"><a href="http://pae-engineers.com">pae-engineers.com</a></p> </div> </div> <div style="margin-top: 20px; display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="margin: 0;">151 SW 1st Avenue #300</p> <p style="margin: 0;">Portland, OR 97204</p> </div> <div style="width: 45%; text-align: right;"> <p style="margin: 0;">503.226.2921</p> <p style="margin: 0;"><a href="http://pae-engineers.com">pae-engineers.com</a></p> </div> </div> |
| <div style="border-bottom: 1px solid black; width: 100%; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between;"> <span style="width: 45%;">2025D031</span> <span style="width: 45%;">103101</span> </div> <div style="display: flex; justify-content: space-between;"> <span style="width: 45%;">DESIGN NUMBER</span> <span style="width: 45%;">PROJECT NUMBER</span> </div> | <div style="border-bottom: 1px solid black; width: 100%; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between;"> <span style="width: 45%;">2025D031</span> <span style="width: 45%;">103101</span> </div> <div style="display: flex; justify-content: space-between;"> <span style="width: 45%;">DESIGN NUMBER</span> <span style="width: 45%;">PROJECT NUMBER</span> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

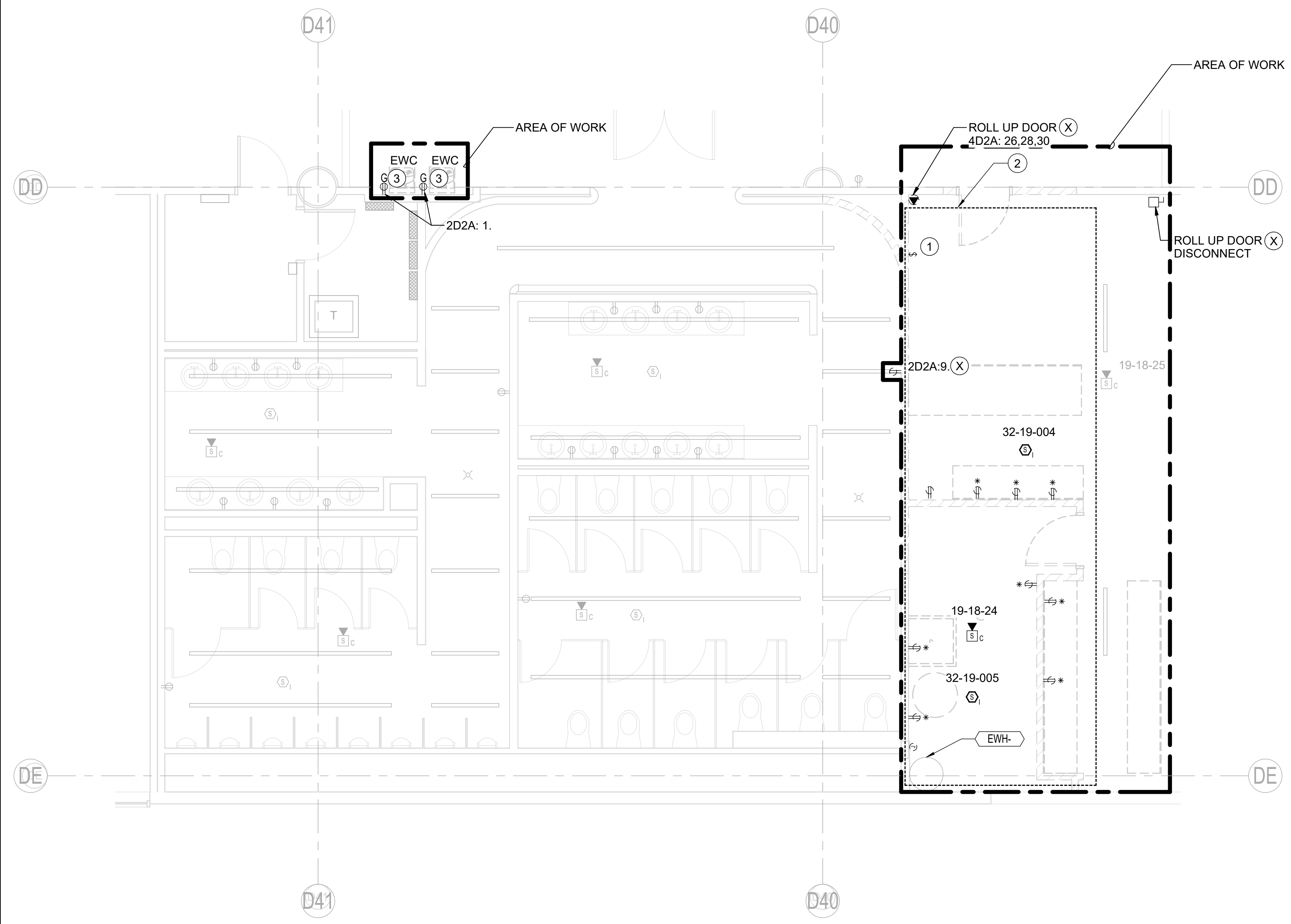
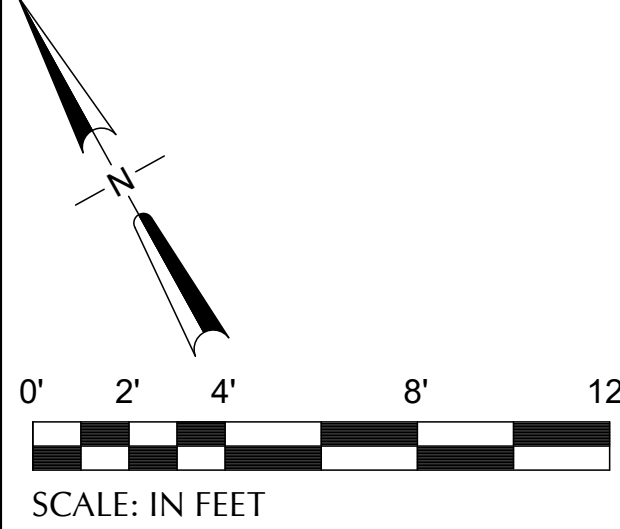


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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------|------|----------------|
| <div>PORTLAND INTERNATIONAL AIRPORT</div> <div>TERMINAL RESTROOM REHABILITATION 2026</div> <div>CONCOURSE D - ENPLANING - SECTOR 2 - D2221, D2222, D2223 - DEMO PLAN - ELECTRICAL</div> | SUBMITTED BY | BRIAN FRANCIS |      |                |
|                                                                                                                                                                                         | DESIGNED BY  | A. NGUYEN     |      |                |
|                                                                                                                                                                                         | DRAWN BY     | A. NGUYEN     |      |                |
|                                                                                                                                                                                         | CHECKED BY   | J. MUTSCHLER  |      |                |
|                                                                                                                                                                                         | DATE         | JULY 2026     |      |                |
|                                                                                                                                                                                         | SHEET NO.    | 118           | TYPE | CD             |
|                                                                                                                                                                                         | DRAWING NO.  | PDX 2026-510  |      | DISC. SHT. NO. |





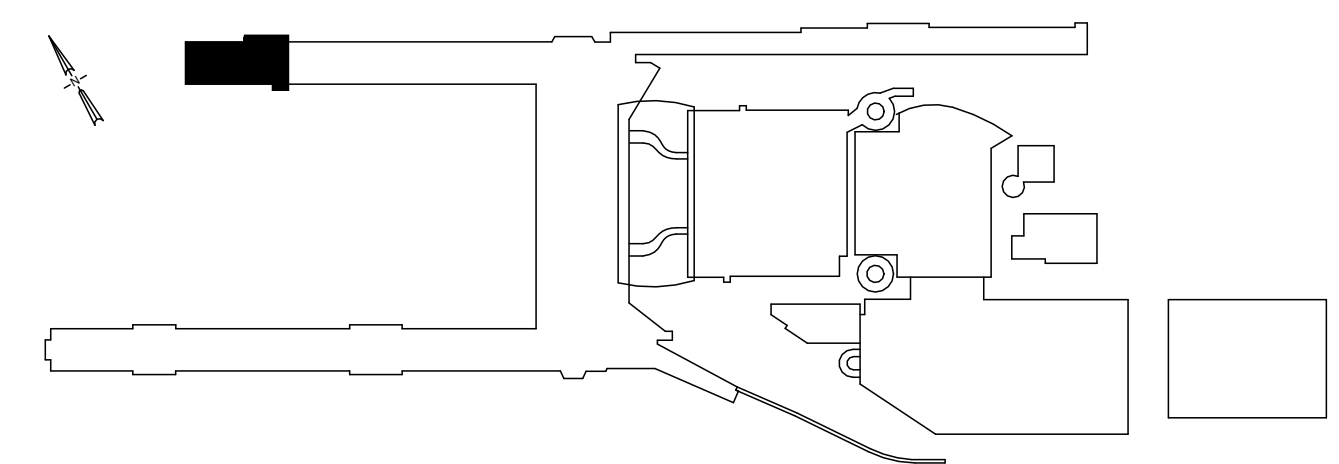
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



- NOTES**
- LOCATIONS SHOWN FOR DEVICES, EQUIPMENT, LUMINARIES AND ENCLOSURE ARE DIAGRAMMATIC AND INFORMATION HAS BEEN DETERMINED FROM AS-BUILT DOCUMENTS AND SITE OBSERVATIONS. CONTRACTOR TO FIELD VERIFY DURING PRE-BID WALK AND IDENTIFY COMPLETE SOW FOR DEMOLITION.
  - ALL RECEPTACLES, EQUIPMENT, LUMINARIES AND DEVICES ARE TO BE REMOVED IN AREA OF WORK UNLESS OTHERWISE NOTED.
  - WHERE DEMOLITION IS SPECIFICALLY NOTED: THAT EQUIPMENT, DEVICE, LUMINAIRE, ETC AND IT'S BRANCH CIRCUIT SHALL BE REMOVED IN ITS ENTIRETY BACK TO THE PANEL OR LAST ACTIVE UPSTREAM DEVICE UNLESS OTHERWISE NOTED. PROVIDE CONDUIT AND CONDUCTORS TO MAINTAIN CONNECTION TO ALL DOWNSTREAM DEVICES THAT REMAIN.
  - MAINTAIN THE INTEGRITY OF ALL BRANCH CIRCUITS, FEEDERS, ENERGIZED EQUIPMENT, ETC THAT ROUTE THROUGH DEMOLITION AREAS AND SERVE EQUIPMENT TO REMAIN.

- KEY NOTES** #
- DISCONNECT EXISTING SWITCHLEG AND REMOVE SWITCH AND BOX. SEE E2.02 FOR RECONNECTION.
  - CONCESSION SPACE IS PREVIOUSLY PARTIALLY DEMOLISHED (FOR ELECTRICAL) AND THE SOURCE PANELBOARD HAS BEEN REMOVED. DEVICES SHOWN ARE NOT POWERED. REMOVE ALL REMAINING CONDUIT, CONDUCTORS, DEVICES AND EQUIPMENT ASSOCIATED WITH SPACE UNLESS OTHERWISE NOTED. MAIN FEEDER CONDUIT ROUTED TO TUNNEL OR ELECTRICAL ROOM ARE TO REMAIN WITHIN SPACE AND BE CAPPED OFF AND LABELED WITH POINT OF SERVICE.
  - DISCONNECT EWC AND DEMOLISH DEVICE. PRESERVE CIRCUIT FOR EXTENSION TO NEW LOCATION SHOWN ON SHEET E3.02.

1 CONCOURSE D - SECTOR 3 - D2646, D2647 - ENPLANING - DEMO PLAN - ELECTRICAL  
SCALE: 1/4" = 1'-0"



DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".  
0 4" 8" 12"  
GRAPHIC SCALE FOR REFERENCE ONLY

| NO. | DATE | BY | REVISIONS | APP. |
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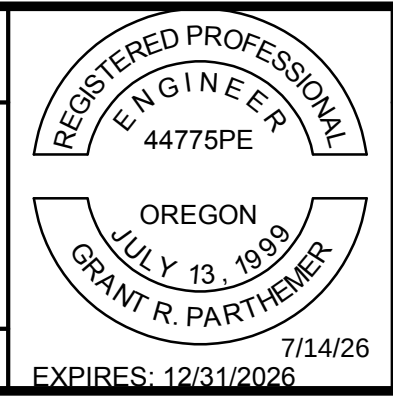
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151 SW 1st Avenue #300  
Portland, OR 97204

503.226.2921  
pae-engineers.com

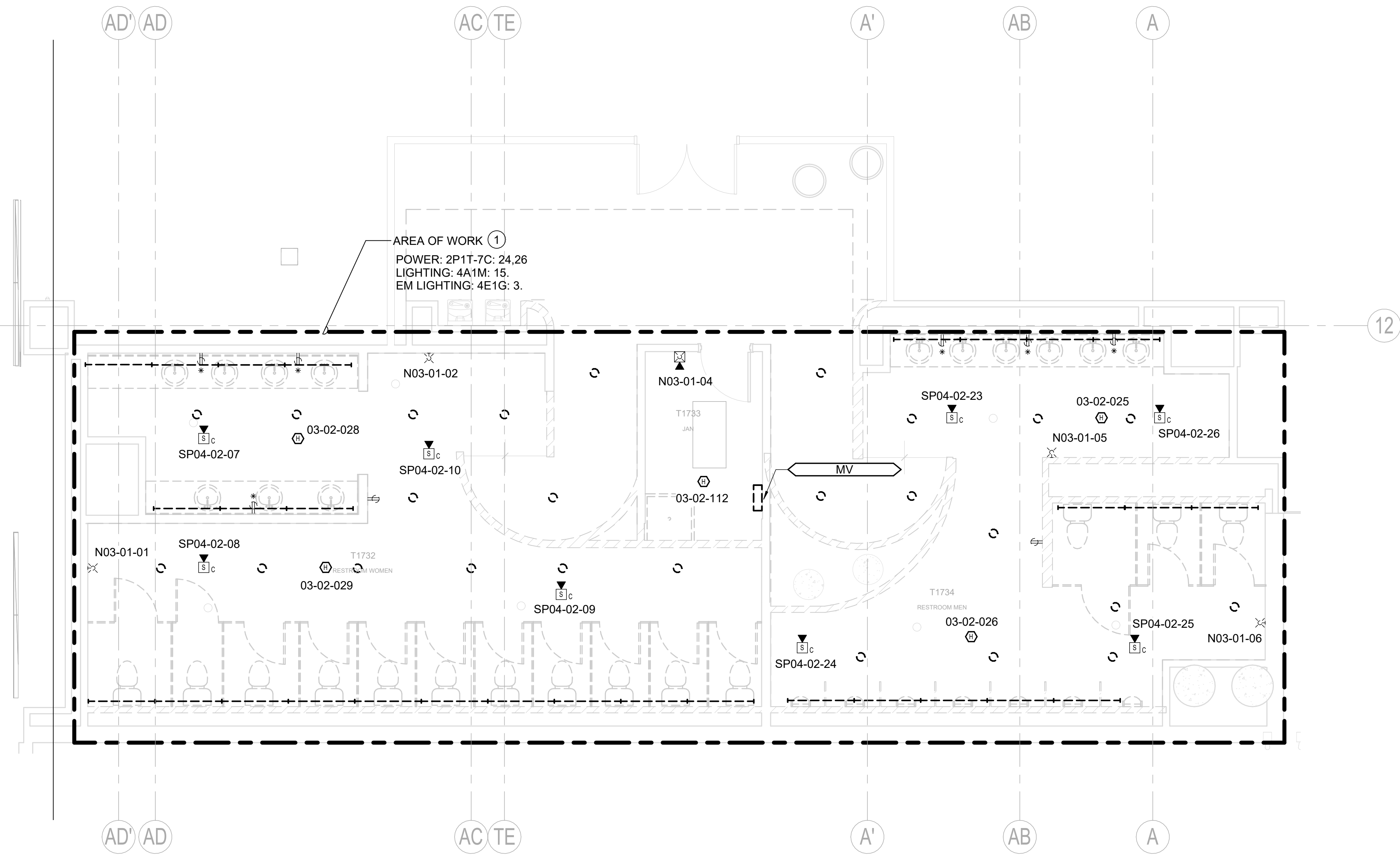
2025D031  
DESIGN NUMBER

103101  
PROJECT NUMBER



|                                                                            |  |                |               |
|----------------------------------------------------------------------------|--|----------------|---------------|
| PORTLAND INTERNATIONAL AIRPORT                                             |  | SUBMITTED BY   | BRIAN FRANCIS |
| TERMINAL RESTROOM REHABILITATION 2026                                      |  | DESIGNED BY    | A. NGUYEN     |
| CONCOURSE D - ENPLANING - SECTOR 3 - D2646, D2647 - DEMO PLAN - ELECTRICAL |  | DRAWN BY       | A. NGUYEN     |
|                                                                            |  | CHECKED BY     | J. MUTSCHLER  |
|                                                                            |  | DATE           | JULY 2026     |
|                                                                            |  | SHEET NO.      | 119           |
|                                                                            |  | TYPE           | CD            |
|                                                                            |  | DRAWING NO.    | PDX 2026-510  |
|                                                                            |  | DISC. SHT. NO. | E1.02         |





- ## NOTES
1. LOCATIONS SHOWN FOR DEVICES, EQUIPMENT, LUMINARIES AND ENCLOSURE ARE DIAGRAMMATIC AND INFORMATION HAS BEEN DETERMINED FROM AS-BUILT DOCUMENTS AND SITE OBSERVATIONS. CONTRACTOR TO FIELD VERIFY DURING PRE-BID WALK AND IDENTIFY COMPLETE SOW FOR DEMOLITION.
  2. ALL RECEPTACLES, EQUIPMENT, LUMINARIES AND DEVICES ARE TO BE REMOVED IN AREA OF WORK UNLESS OTHERWISE NOTED.
  3. MAINTAIN THE INTEGRITY OF ALL BRANCH CIRCUITS, FEEDERS, ENERGIZED EQUIPMENT, ETC THAT ROUTE THROUGH DEMOLITION AREAS AND SERVE EQUIPMENT TO REMAIN.

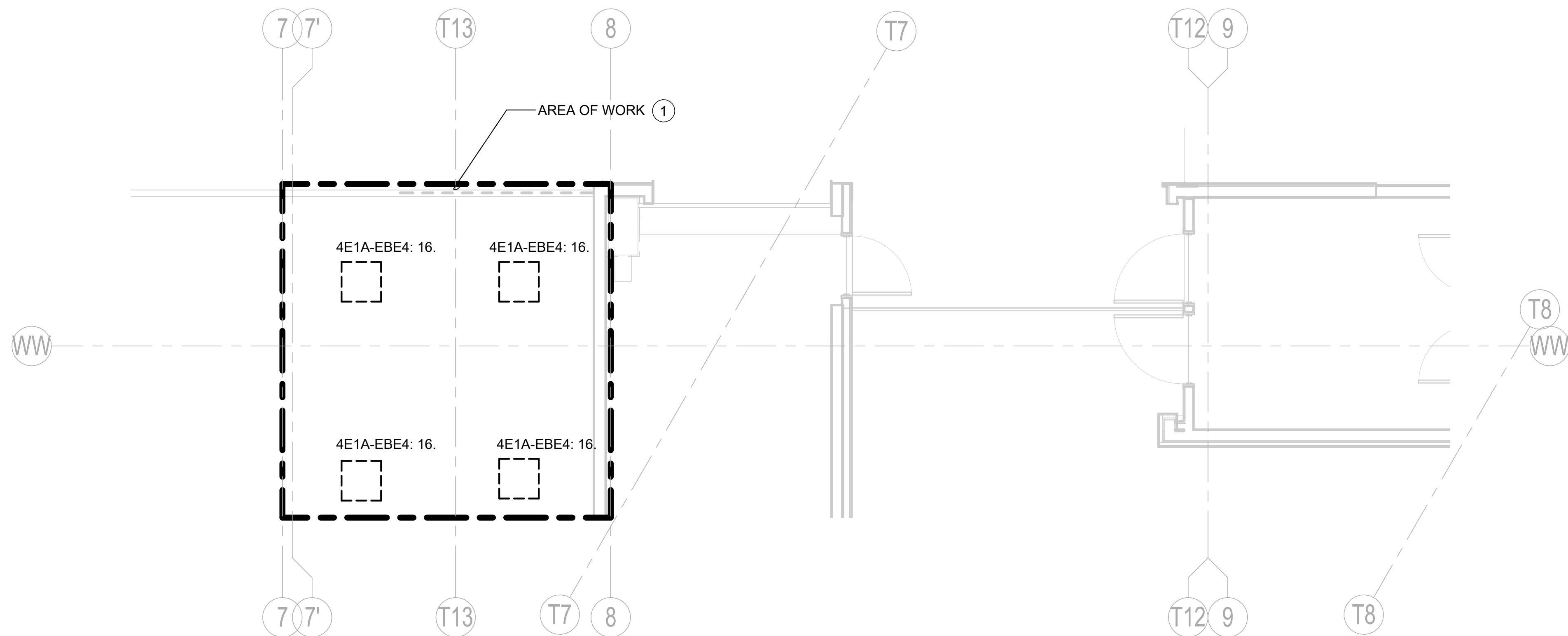
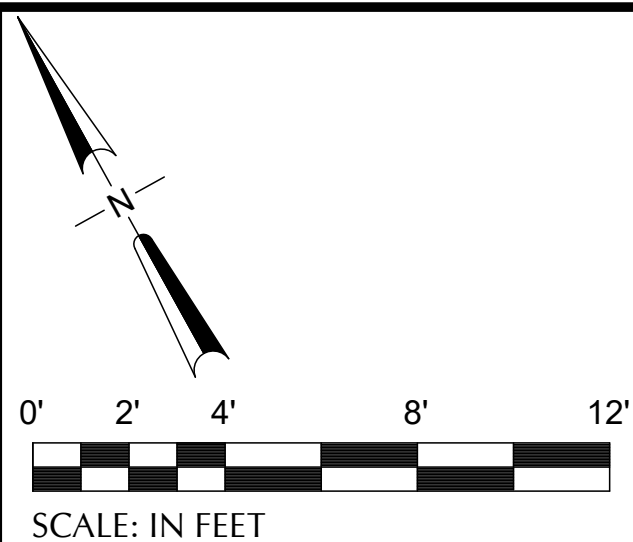
1. DISCONNECT AND REMOVE ALL LIGHTING, DEVICES AND ASSOCIATED BRANCH CIRCUITS. REFEED NEW THROUGH RELAY PANELS - SEE E2.03. DISCONNECT AND REMOVE ALL DEVICES, MAINTAIN CIRCUITS FOR REUSE.

|                                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                               |  |  |  |  |  |  |  |  |  | <div><div><div></div><div><div>mwa architects</div></div><div><div><div><div>PAE</div><div>pae-engineers.com</div></div><div><div>151 SW 1st Avenue #300<br/>Portland, OR 97204</div><div>503.226.2921<br/>pae-engineers.com</div></div></div></div></div></div> |  |  |  |  |  |  |  |  |  | <div><div><div><div>REGISTERED PROFESSIONAL<br/>ENGINEER<br/>44775PE</div><div>OREGON<br/>JULY 13, 1999<br/>GRANT R. PARTHEMER</div></div><div>7/14/26<br/>EXPIRES: 12/31/2026</div></div></div> |  |  |  |  |  |  |  |  |  | <div>PORTLAND INTERNATIONAL AIRPORT</div> <div>TERMINAL RESTROOM REHABILITATION 2026</div> <div>TERMINAL - DEPLANING - SECTOR E5 - T1732, T1733, T1734 - DEPLANING - DEMO<br/>PLAN - ELECTRICAL</div> |  |  |  |  |  |  |  |  |  | <div><div>SUBMITTED BY<br/>BRIAN FRANCIS</div><div>DESIGNED BY<br/>A. NGUYEN</div><div>DRAWN BY<br/>A. NGUYEN</div><div>CHECKED BY<br/>J. MUTSCHLER</div><div>DATE<br/>JULY 2026</div></div> <div><div>SHEET NO.<br/>120</div><div>TYPE<br/>CD</div></div> <div><div>DRAWING NO.<br/>PDX 2026-510</div><div>DISC. SHT. NO.<br/>E1.03</div></div> |  |  |  |  |  |  |  |  |  |
| <div><div></div><div>DATE<br/>BY<br/>REVISIONS</div></div> |  |  |  |  |  |  |  |  |  | <div><div></div><div>DATE<br/>BY<br/>REVISIONS</div></div> |  |  |  |  |  |  |  |  |  | <div>2025D031<br/>DESIGN NUMBER</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  | <div>103101<br/>PROJECT NUMBER</div>                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |

IF ELECTRONIC SIGNATURE IS BROKEN OR MISSING - THIS IS NOT A LEGAL DRAWING

DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".





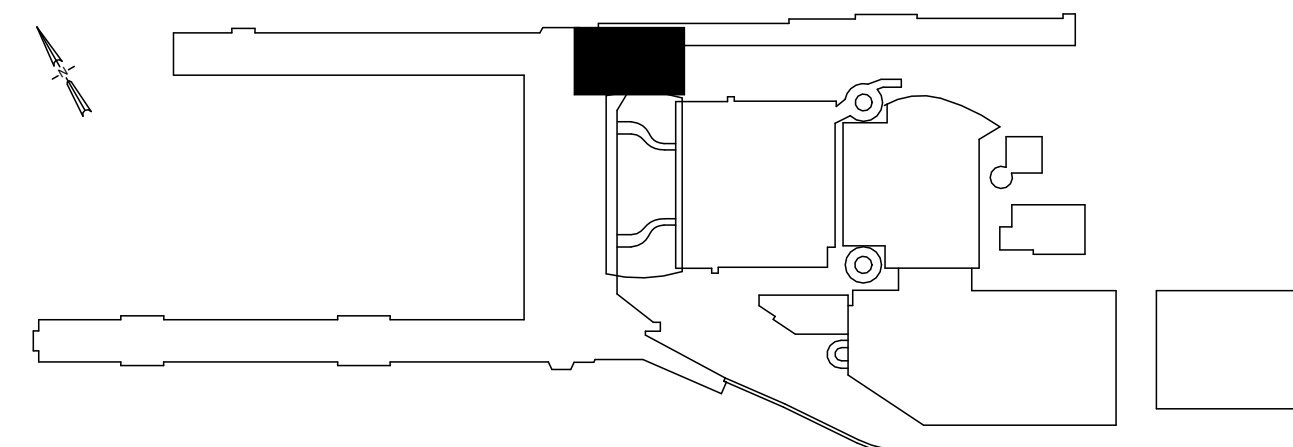
NOTES:

1. LOCATIONS SHOWN FOR DEVICES, EQUIPMENT, LUMINAIRES AND ENCLOSURE ARE DIAGRAMMATIC AND INFORMATION HAS BEEN DETERMINED FROM AS-BUILT DOCUMENTS AND SITE OBSERVATIONS. CONTRACTOR TO FIELD VERIFY DURING PRE-BID WALK AND IDENTIFY COMPLETE SOW FOR DEMOLITION.
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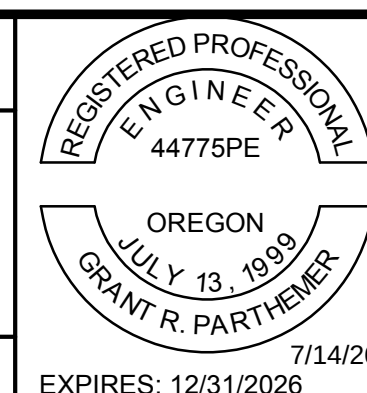
## KEY NOTES

1. DISCONNECT AND REMOVE ALL LIGHTING AND SAVE EXISTING BRANCH CIRCUITS FOR REUSE.

1 TERMINAL - SECTOR E1 - T2TS35 - ENPLANING - DEMO PLAN - ELECTRICAL  
SCALE: 1/4" = 1'-0"

[illegible]

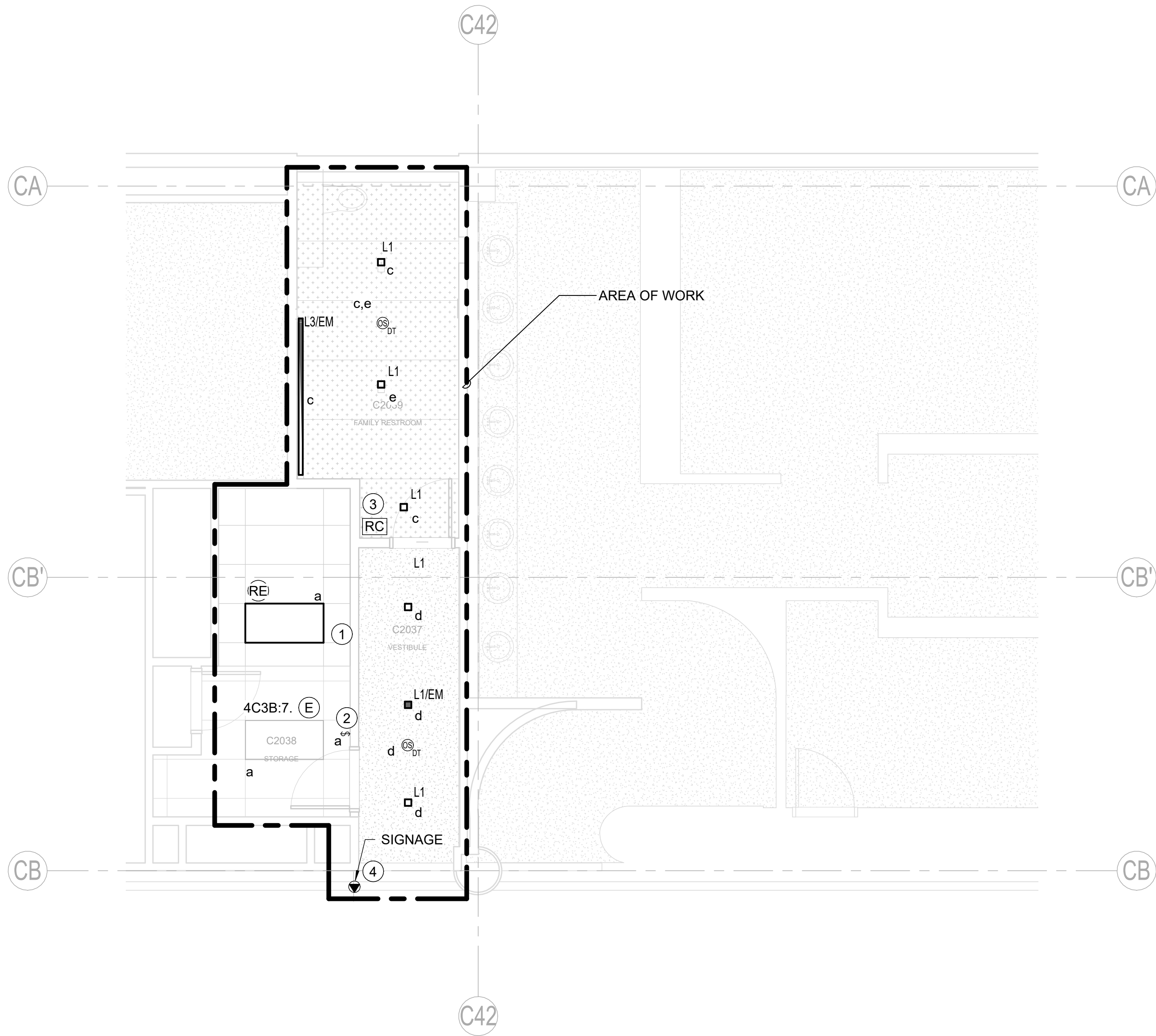
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|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <h1>Port of Portland</h1> |                                                                                                                                                                                                                       |
|  <p>mwa architects</p>     |  <p>PAE<br/>pae-engineers.com</p> <p>151 SW 1st Avenue #300<br/>Portland, OR 97204</p> <p>503.226.2921<br/>pae-engineers.com</p> |
| <p>2025D031</p> <hr/> <p>DESIGN NUMBER</p>                                                                      | <p>103101</p> <hr/> <p>PROJECT NUMBER</p>                                                                                                                                                                             |



|                         |                                                                    |  |              |  |                         |      |
|-------------------------|--------------------------------------------------------------------|--|--------------|--|-------------------------|------|
| 1<br><br>7<br><br><br>6 | PORTLAND INTERNATIONAL AIRPORT                                     |  | SUBMITTED BY |  | BRIAN FRANCIS           |      |
|                         | TERMINAL RESTROOM REHABILITATION 2026                              |  | DESIGNED BY  |  | A. NGUYEN               |      |
|                         |                                                                    |  | DRAWN BY     |  | A. NGUYEN               |      |
|                         |                                                                    |  | CHECKED BY   |  | J. MUTSCHLER            |      |
|                         | TERMINAL - ENPLANING - SECTOR E1 - T2TS35 - DEMO PLAN - ELECTRICAL |  | DATE         |  | JULY 2026               |      |
|                         |                                                                    |  | SHEET NO.    |  | 121                     | TYPE |
| DRAWING NO.             |                                                                    |  | PDX 2026-510 |  | DISC. SHT. NO.<br>E1.08 |      |

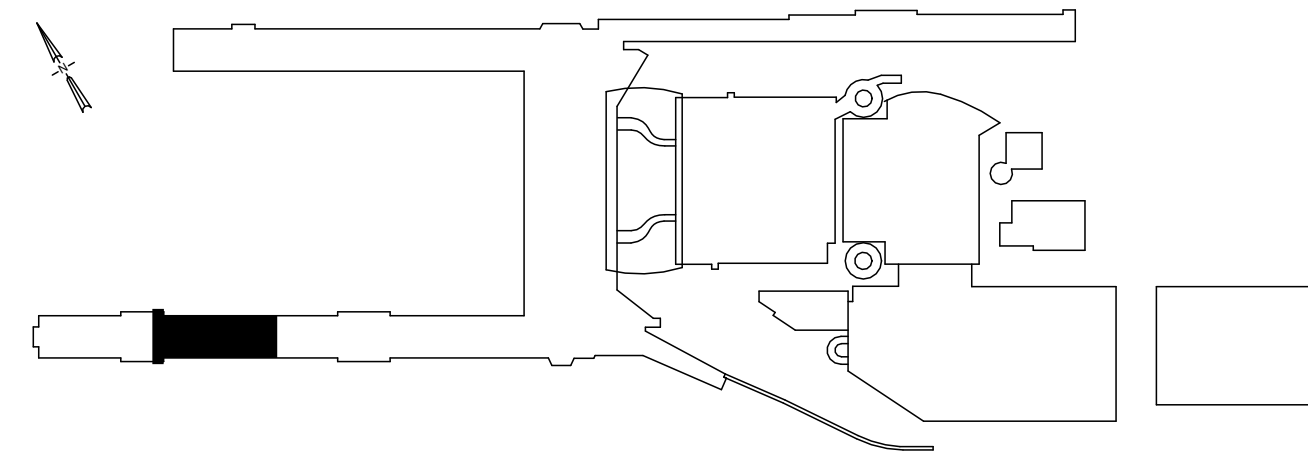


GRAPHIC SCALE FOR REFERENCE ONLY



1. ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED.
2. DOWNLIGHTS TO BE CENTERED IN THE ARCHITECTURAL PANEL.
3. L3 LIGHTS TO BE SUSPENDED FROM STRUCTURE AND CENTERED IN ARCHITECTURAL COVE.
4. LIGHT FIXTURES ARE TO BE CIRCUITED TO PANEL 4C3B CIRCUIT 7 VIA ROOM CONTROLLER FOR NORMAL POWER.
5. LIGHT FIXTURES ARE TO BE CIRCUITED TO PANEL E4C3B CIRCUIT 6 VIA ROOM CONTROLLER FOR EMERGENCY POWER.
6. LOWER CASE LETTERS ADJACENT TO FIXTURES DESIGNATES ROOM CONTROLLER OUTPUT UNLESS OTHERWISE NOTED.

1. CONNECT TO CIRCUIT 4C3B CIRCUIT 7 AND CONTROL SHOWN.
2. PROVIDE LINE VOLTAGE SWITCH AND CONNECT TO 4C3B CIRCUIT 7. EXTEND SWITCH LEG AS SHOWN.
3. ROOM CONTROLLER ABOVE CEILING WITH NORMAL AND EMERGENCY RELAYS AND INTEGRAL UL 924 TRANSFER. SEE SPECIFICATIONS.
4. CONNECT SIGNAGE TO EXISTING CIRCUIT VIA ROOM CONTROLLER.

[illegible]

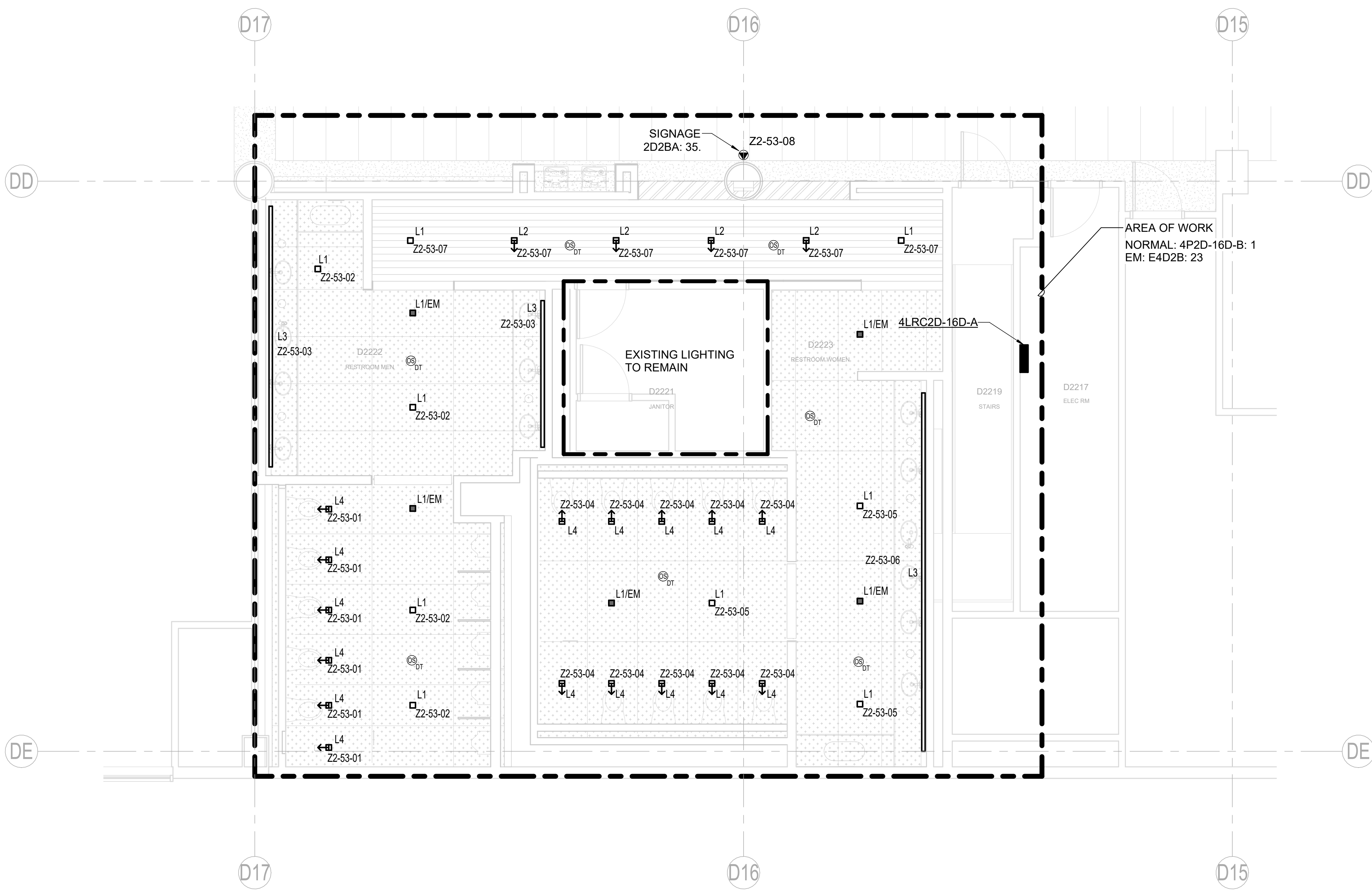
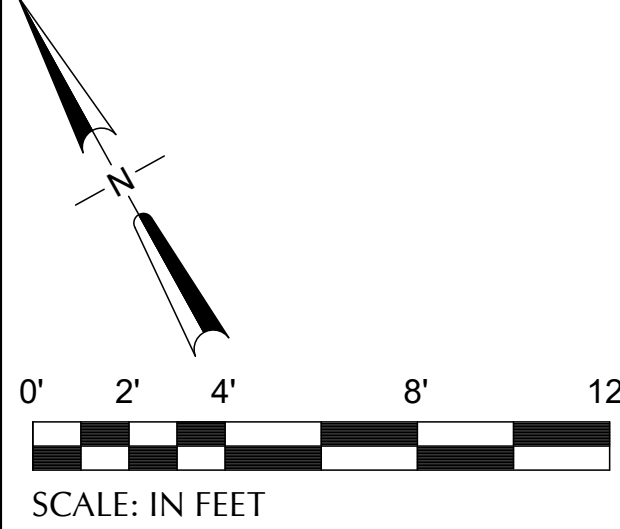
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                         |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <span style="font-size: 24px; font-weight: bold; margin-left: 10px;">Port of Portland</span>                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                         |  |
| <div style="margin-top: 10px;"> <span style="font-size: 24px; font-weight: bold;">mwa</span> <span style="font-size: 18px; font-weight: normal;">architects</span> </div>                                                                                                                                        | <div style="text-align: center;"> <span style="font-weight: bold; margin-left: 5px;">PAE</span> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <span>151 SW 1st Avenue #300<br/>Portland, OR 97204</span> <span>503.226.2921<br/>pae-engineers.com</span> </div> |  |
| <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between;"> <span>2025D031</span> <span>103101</span> </div> <div style="display: flex; justify-content: space-between;"> <span>DESIGN NUMBER</span> <span>PROJECT NUMBER</span> </div> | <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between;"> <span>7/14/26</span> <span>EXPIRES: 12/31/2026</span> </div>                                                                                                       |  |

|                                                             |              |               |                |
|-------------------------------------------------------------|--------------|---------------|----------------|
| PORTLAND INTERNATIONAL AIRPORT                              | SUBMITTED BY | BRIAN FRANCIS |                |
|                                                             | DESIGNED BY  | A. NGUYEN     |                |
| TERMINAL RESTROOM REHABILITATION 2026                       | DRAWN BY     | A. NGUYEN     |                |
|                                                             | CHECKED BY   | J. MUTSCHLER  |                |
| CONCOURSE C - ENPLANING - SECTOR 5 - C2039 - RCP - LIGHTING | DATE         | JULY 2026     |                |
|                                                             | SHEET NO.    | 122           | TYPE CD        |
|                                                             | DRAWING NO.  | PDX 2026-510  | DISC. SHT. NO. |
|                                                             |              |               | E2.00          |



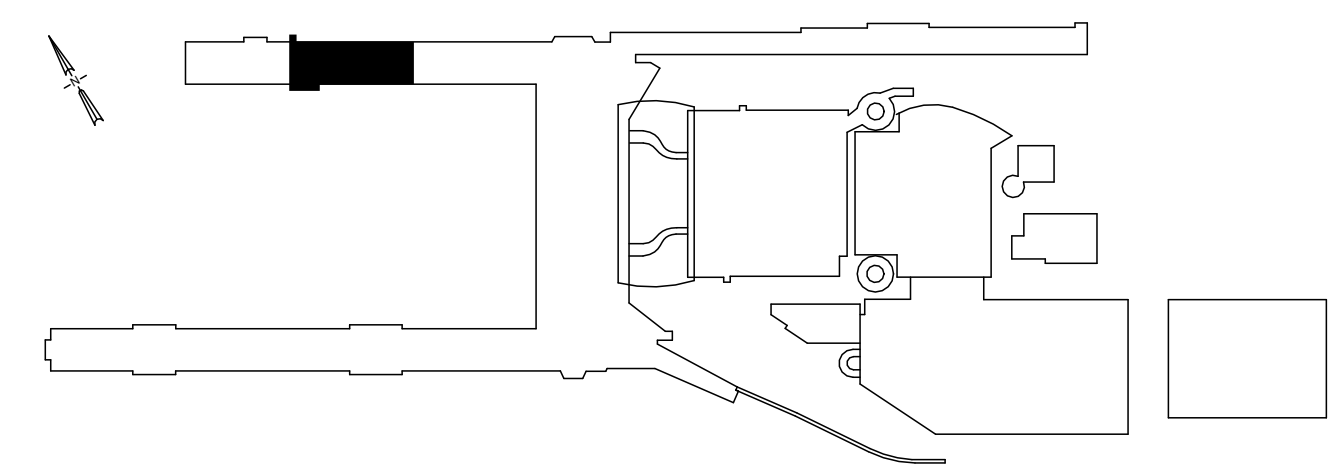


CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



- NOTES**
1. ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED.
  2. DOWNLIGHTS TO BE CENTERED IN THE ARCHITECTURAL PANEL.
  3. L3 LIGHTS TO BE SUSPENDED FROM STRUCTURE AND CENTERED IN ARCHITECTURAL COVE.
  4. RELAY ZONES INDICATED HOMERUN TO LIGHTING RELAY PANEL 4LRC2D-16D-A. REFER TO LIGHTING CONTROL SCHEDULE SHEET E7.01 FOR CIRCUITING INFORMATION.
  5. ROUTE 0-10V DIMMING CONDUCTORS FROM LRC TO RESTROOM LIGHTS AND SIGNAGE SHOWN IN LIGHTING CONTROL SCHEDULE FOR DIMMING CONTROL .

1 CONCURSE D - SECTOR 2 - D2221, D2222, D2223 - ENPLANING - RCP - LIGHTING  
SCALE: 1/4" = 1'-0"



DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".  
0 1/4" = 1' GRAPHIC SCALE FOR REFERENCE ONLY

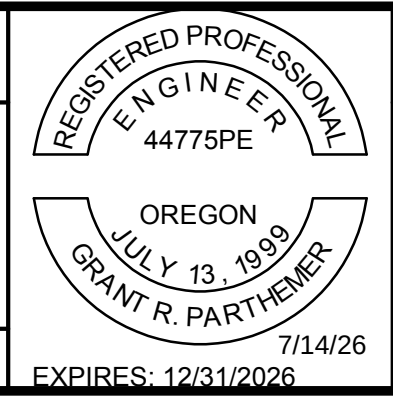
| NO. | DATE | BY | REVISIONS | APP. |
|-----|------|----|-----------|------|
|     |      |    |           |      |
|     |      |    |           |      |
|     |      |    |           |      |
|     |      |    |           |      |

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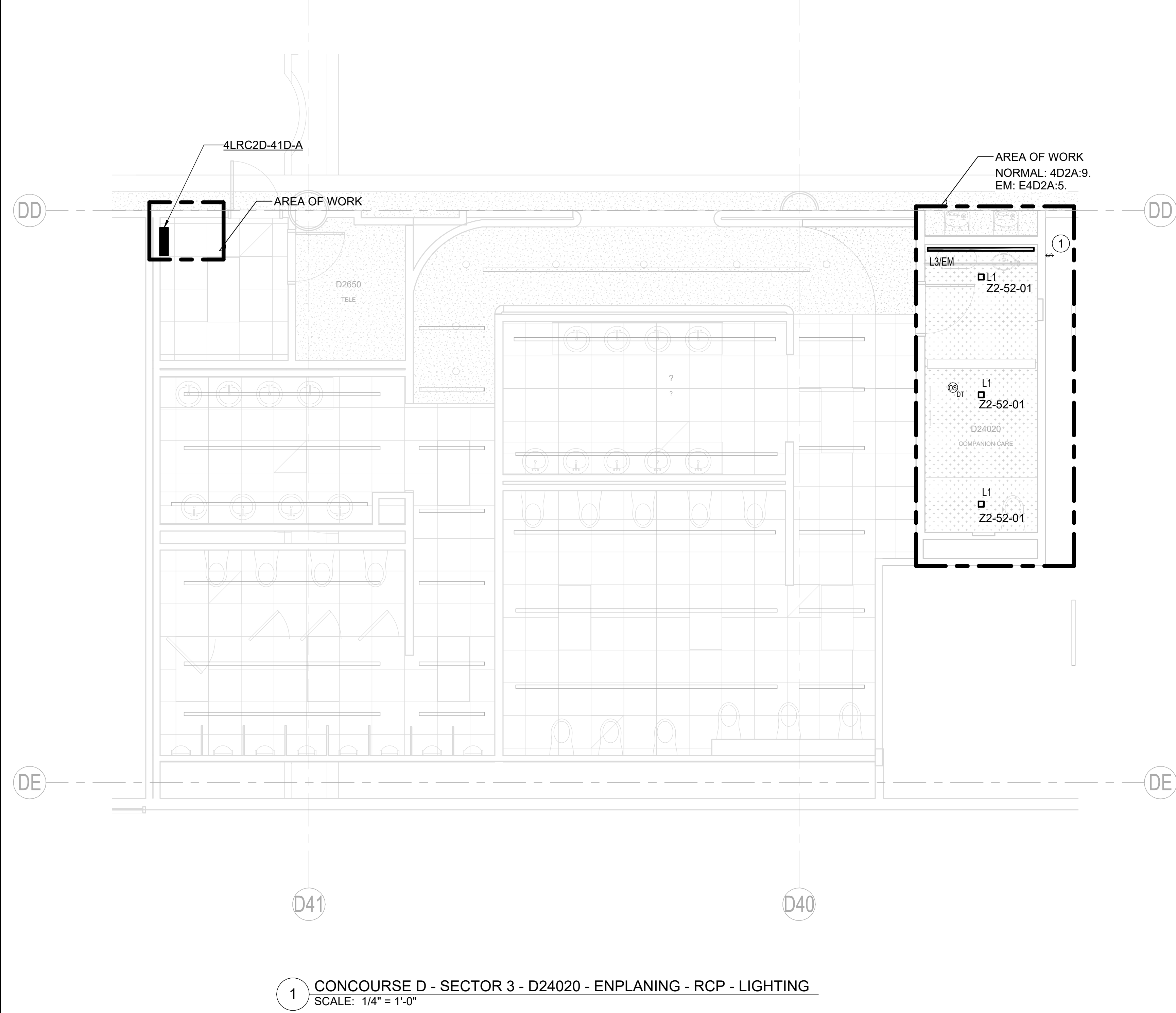
2025D031  
DESIGN NUMBER

103101  
PROJECT NUMBER



|                                                                          |  |                |               |
|--------------------------------------------------------------------------|--|----------------|---------------|
| PORTLAND INTERNATIONAL AIRPORT                                           |  | SUBMITTED BY   | BRIAN FRANCIS |
| TERMINAL RESTROOM REHABILITATION 2026                                    |  | DESIGNED BY    | A. NGUYEN     |
| CONCURSE D - ENPLANING - SECTOR 2 - D2221, D2222, D2223 - RCP - LIGHTING |  | DRAWN BY       | A. NGUYEN     |
|                                                                          |  | CHECKED BY     | J. MUTSCHLER  |
|                                                                          |  | DATE           | JULY 2026     |
|                                                                          |  | SHEET NO.      | 123           |
|                                                                          |  | TYPE           | CD            |
|                                                                          |  | DRAWING NO.    | PDX 2026-510  |
|                                                                          |  | DISC. SHT. NO. | E2.01         |

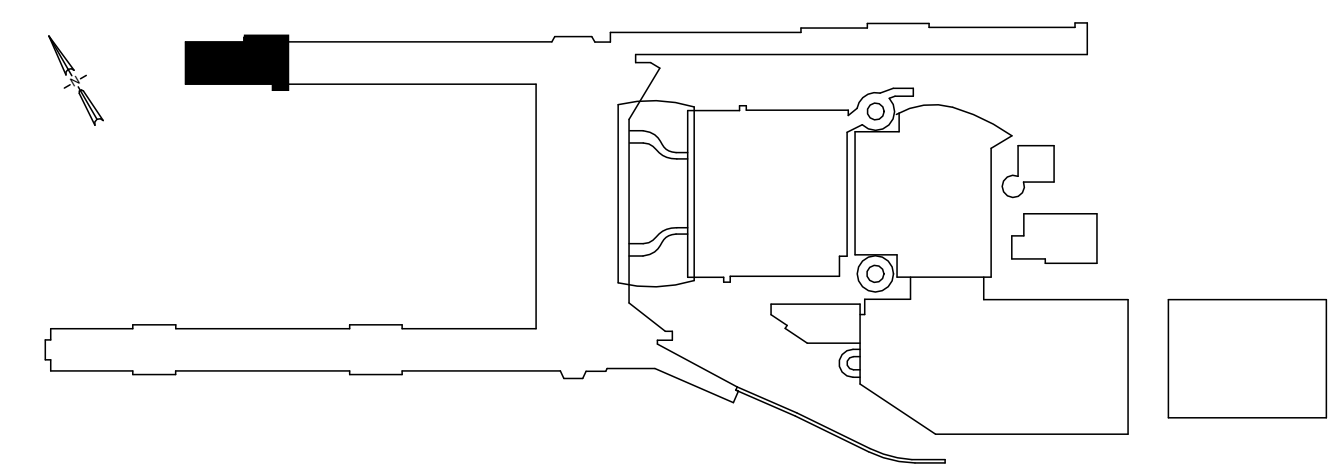




- ## NOTES
1. ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED.
  2. DOWNLIGHTS TO BE CENTERED IN THE ARCHITECTURAL PANEL.
  3. L3 LIGHTS TO BE SUSPENDED FROM STRUCTURE AND CENTERED IN ARCHITECTURAL COVE.
  4. RELAY ZONES INDICATED HOMERUN TO LIGHTING RELAY PANEL 4LRC2D-41D-A. REFER TO LIGHTING CONTROL SCHEDULE SHEET E7.02 FOR CIRCUITING INFORMATION.
  5. ROUTE 0-10V DIMMING CONDUCTORS FROM LRC TO RESTROOM LIGHTS SHOWN IN LIGHTING CONTROL SCHEDULE FOR DIMMING CONTROL .

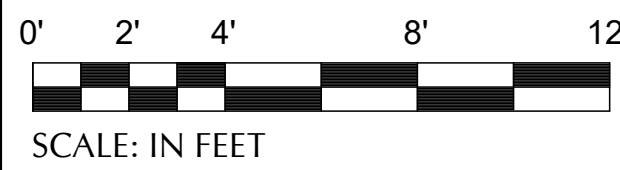
## KEY NOTES

1. PROVIDE NEW SWITCH FOR CONTROL OF LIGHTING IN FUTURE TENANT SPACE, RECONNECT SWITCHLEG REMOVED IN DEMOLITION



|                                                                                                    |  |                                            |  |  |  |  |  |  |  |                                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                  |  |                                             |  |                                          |  |                                               |  |                                      |  |                                     |  |                               |  |
|----------------------------------------------------------------------------------------------------|--|--------------------------------------------|--|--|--|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--------------------------------------------------|--|---------------------------------------------|--|------------------------------------------|--|-----------------------------------------------|--|--------------------------------------|--|-------------------------------------|--|-------------------------------|--|
|                                                                                                    |  |                                            |  |  |  |  |  |  |  | <div><div></div><div><b>Port of Portland</b></div></div> |  |  |  |  |  |  |  |  |  | <div><div><b>PAE</b><br/>pae-engineers.com</div><div><b>mwa architects</b></div><div><div>151 SW 1st Avenue #300<br/>Portland, OR 97204</div><div>503.226.2921<br/>pae-engineers.com</div></div></div> |  |  |  |  |  |  |  |  |  | <div><div></div><div>EXPIRES: 12/31/2026 7/14/26</div></div> |  |  |  |  |  |  |  |  |  | <div><div>PORTLAND INTERNATIONAL AIRPORT</div><div>TERMINAL RESTROOM REHABILITATION 2026</div><div>CONCOURSE D - ENPLANING - SECTOR 3 - D24020 - RCP - LIGHTING</div></div> |  |  |  |  |  |  |  |  |  | <div>SUBMITTED BY<br/><b>BRIAN FRANCIS</b></div> |  | <div>DESIGNED BY<br/><b>A. NGUYEN</b></div> |  | <div>DRAWN BY<br/><b>A. NGUYEN</b></div> |  | <div>CHECKED BY<br/><b>J. MUTSCHLER</b></div> |  | <div>DATE<br/><b>JULY 2026</b></div> |  | <div>SHEET NO.<br/><b>124</b></div> |  | <div>TYPE<br/><b>CD</b></div> |  |
| <div>DRAWING NO.<br/><b>PDX 2026-510</b></div>                                                     |  | <div>DISC. SHT. NO.<br/><b>E2.02</b></div> |  |  |  |  |  |  |  |                                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                  |  |                                             |  |                                          |  |                                               |  |                                      |  |                                     |  |                               |  |
| <div><div><div>NO.</div><div>DATE</div><div>BY</div><div>REVISIONS</div></div><div>App</div></div> |  |                                            |  |  |  |  |  |  |  | <div><div><div>NO.</div><div>DATE</div><div>BY</div><div>REVISIONS</div></div><div>App</div></div>                                            |  |  |  |  |  |  |  |  |  | <div><div>2025D031</div><div>PROJECT NUMBER</div></div>                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  | <div><div>103101</div><div>PROJECT NUMBER</div></div>                                                                                             |  |  |  |  |  |  |  |  |  |                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                  |  |                                             |  |                                          |  |                                               |  |                                      |  |                                     |  |                               |  |

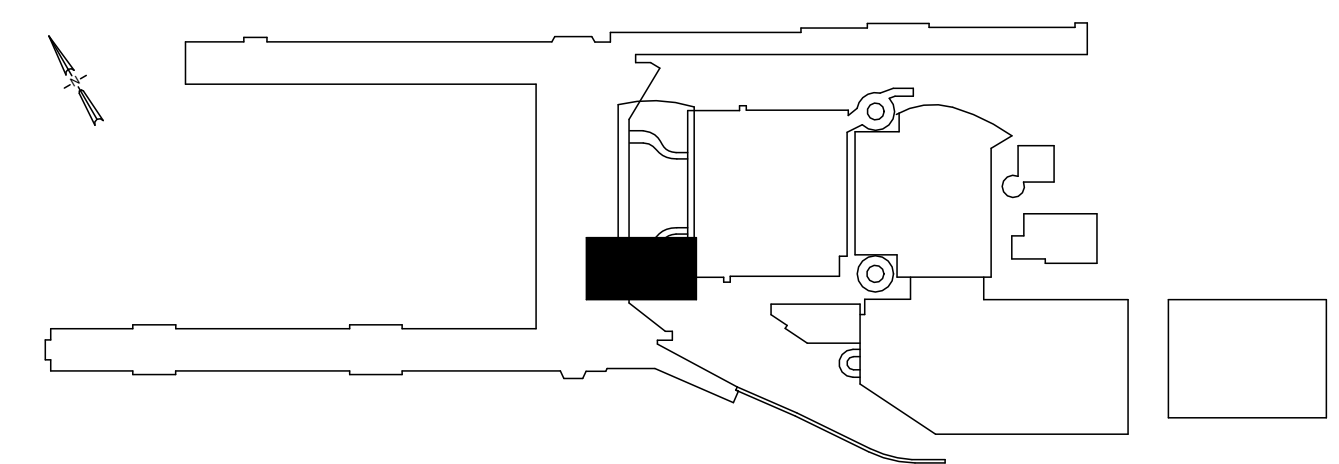




1. ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED.
2. DOWNLIGHTS TO BE CENTERED IN THE ARCHITECTURAL PANEL.
3. L3 LIGHTS TO BE SUSPENDED FROM STRUCTURE AND CENTERED IN ARCHITECTURAL COVE.
4. RELAY ZONES INDICATED HOMERUN TO LIGHTING RELAY PANEL 4DC1T-13G-B IN ELECTRICAL ROOM T1TF33. REFER TO LIGHTING CONTROL SCHEDULE SHEET E7.03 FOR CIRCUITING INFORMATION.
5. ROUTE 0-10V DIMMING CONDUCTORS FROM LRC TO RESTROOM LIGHTS SHOWN IN LIGHTING CONTROL SCHEDULE FOR DIMMING CONTROL .

## KEY NOTES #

1. CONNECT NEW LIGHT FIXTURE TO 4L1T-8C CIRCUIT 11.



1 TERMINAL - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - DEPLANING - RCP - LIGHTING  
SCALE: 1/4" = 1'-0"

[illegible]

|                                                                                                                |                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>Port of Portland</b>  |                                                                                                                                                                                                                                                                                                                                                    |
| <br><b>mwa architects</b> |  <b>PAE</b><br>151 SW 1st Avenue #300<br>Portland, OR 97204<br><br>503.226.2921<br> |
| 2025D031<br>DESIGN NUMBER                                                                                      | 103101<br>PROJECT NUMBER                                                                                                                                                                                                                                                                                                                           |

REGISTERED PROFESSIONAL  
ENGINEER  
44775PE

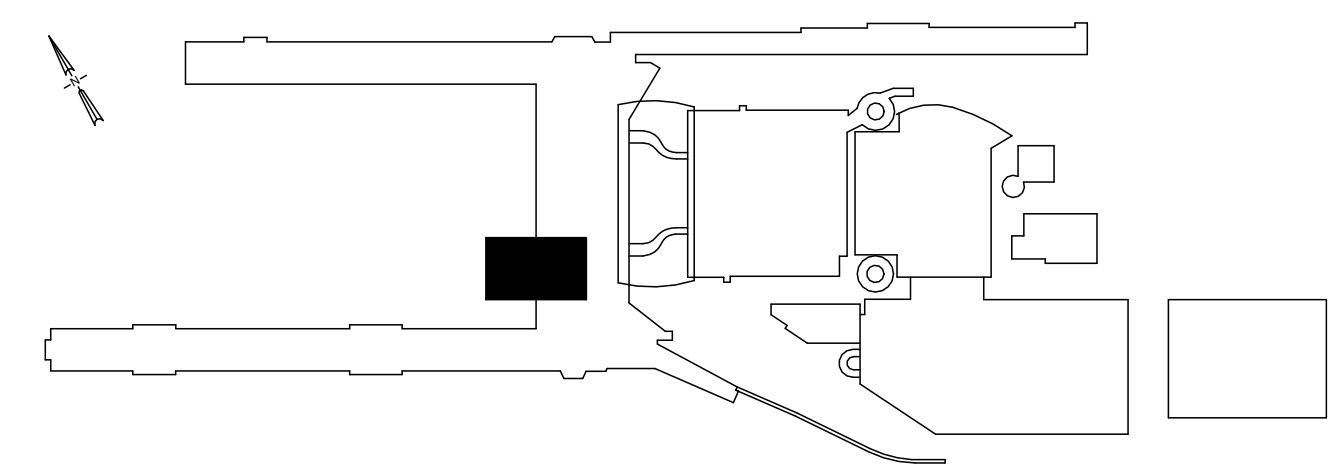
OREGON  
JULY 13, 1999  
GRANT R. PARTHEMER

7/14/26  
EXPIRES: 12/31/2026

|                                                                                    |
|------------------------------------------------------------------------------------|
| PORTLAND INTERNATIONAL AIRPORT                                                     |
| TERMINAL RESTROOM REHABILITATION 2026                                              |
| TERMINAL - DEPLANING - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - RCP - LIGHTING |

|              |               |                |    |
|--------------|---------------|----------------|----|
| SUBMITTED BY | BRIAN FRANCIS |                |    |
| DESIGNED BY  | A. NGUYEN     |                |    |
| DRAWN BY     | A. NGUYEN     |                |    |
| CHECKED BY   | J. MUTSCHLER  |                |    |
| DATE         | JULY 2026     |                |    |
| SHEET NO.    | 125           | TYPE           | CD |
| DRAWING NO.  |               | DISC. SHT. NO. |    |
| PDX 2026-510 |               | E2.03          |    |





- ## NOTES
1. ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED.
  2. DOWNLIGHTS TO BE CENTERED IN THE ARCHITECTURAL PANEL.
  3. L3 LIGHTS TO BE SUSPENDED FROM STRUCTURE AND CENTERED IN ARCHITECTURAL COVE.
  4. LIGHT FIXTURES ARE TO BE HOMERUN TO VIA LIGHTING RELAY PANEL 4LDC2T-15Q-A. REFER TO LIGHTING CONTROL SCHEDULE SHEET E7.05 FOR CIRCUITING INFORMATION.
  5. ROUTE 0-10V DIMMING CONDUCTORS FROM LRC TO RESTROOM LIGHTS SHOWN IN LIGHTING CONTROL SCHEDULE FOR DIMMING CONTROL .

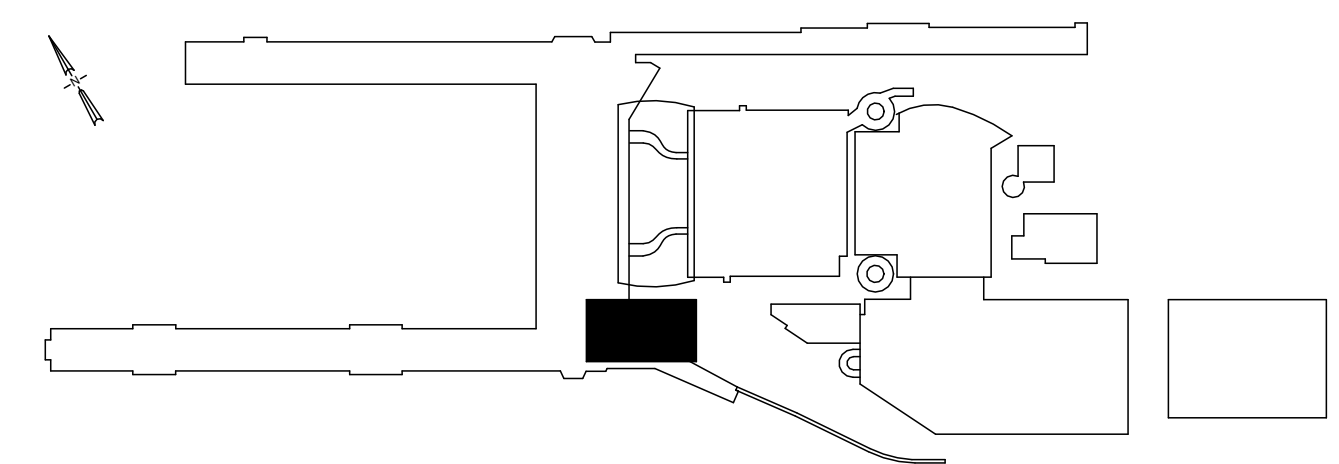
1 TERMINAL - SECTOR W5 - T2TC66 - ENPLANING - RCP - LIGHTING  
SCALE: 1/4" = 1'-0"

|                                                                                                                                                          |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                                                                                           |  |                         |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |                               |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------|--|--|--|--|--|--|--|--------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------|--|
|                                                                                                                                                          |  |  |  |  |  |  |  |  |  | <div><div></div><div>Port of Portland</div></div>                                                                                                                                                      |  |  |  |  |  |  |  |  |  | <div><div></div><div>EXPIRES: 12/31/2026</div></div> |  |                         |  |  |  |  |  |  |  | PORTLAND INTERNATIONAL AIRPORT |  |  |  |  |  |  |  |  |  | SUBMITTED BY<br>BRIAN FRANCIS |  |
|                                                                                                                                                          |  |  |  |  |  |  |  |  |  | <div><div></div><div><div><div>PAE</div><div>pae-engineers.com</div></div><div><div>151 SW 1st Avenue #300<br/>Portland, OR 97204</div><div>503.226.2921<br/>pae-engineers.com</div></div></div></div> |  |  |  |  |  |  |  |  |  | TERMINAL RESTROOM REHABILITATION 2026                                                                                                     |  |                         |  |  |  |  |  |  |  | DESIGNED BY<br>A. NGUYEN       |  |  |  |  |  |  |  |  |  |                               |  |
|                                                                                                                                                          |  |  |  |  |  |  |  |  |  | TERMINAL - ENPLANING - SECTOR W5 - T2TC66 - RCP - LIGHTING                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  | DRAWN BY<br>A. NGUYEN                                                                                                                     |  |                         |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |                               |  |
|                                                                                                                                                          |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | CHECKED BY<br>J. MUTSCHLER                                                                                                                |  |                         |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |                               |  |
|                                                                                                                                                          |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | DATE<br>JULY 2026                                                                                                                         |  |                         |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |                               |  |
|                                                                                                                                                          |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | SHEET NO.<br>126                                                                                                                          |  | TYPE<br>CD              |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |                               |  |
|                                                                                                                                                          |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | DRAWING NO.<br>PDX 2026-510                                                                                                               |  | DISC. SHT. NO.<br>E2.04 |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |                               |  |
| <div><div></div><div>DATE</div><div>BY</div><div>REVISIONS</div></div> |  |  |  |  |  |  |  |  |  | <div><div></div><div>DATE</div><div>BY</div><div>REVISIONS</div></div>                                                                                                                                   |  |  |  |  |  |  |  |  |  | <div><div>2025D031<br/>DESIGN NUMBER</div><div>103101<br/>PROJECT NUMBER</div></div>                                                      |  |                         |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |                               |  |





1. ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED.
2. DOWNLIGHTS TO BE CENTERED IN THE ARCHITECTURAL PANEL.
3. L3 LIGHTS TO BE SUSPENDED FROM STRUCTURE AND CENTERED IN ARCHITECTURAL COVE
4. LIGHT FIXTURES ARE TO BE HOMERUN TO VIA LIGHTING RELAY PANEL 4LDC2T-15Q-A. REFER TO LIGHTING CONTROL SCHEDULE SHEET E7.05 FOR CIRCUITING INFORMATION.
5. ROUTE 0-10V DIMMING CONDUCTORS FROM LRC TO RESTROOM LIGHTS SHOWN IN LIGHTING CONTROL SCHEDULE FOR DIMMING CONTROL .



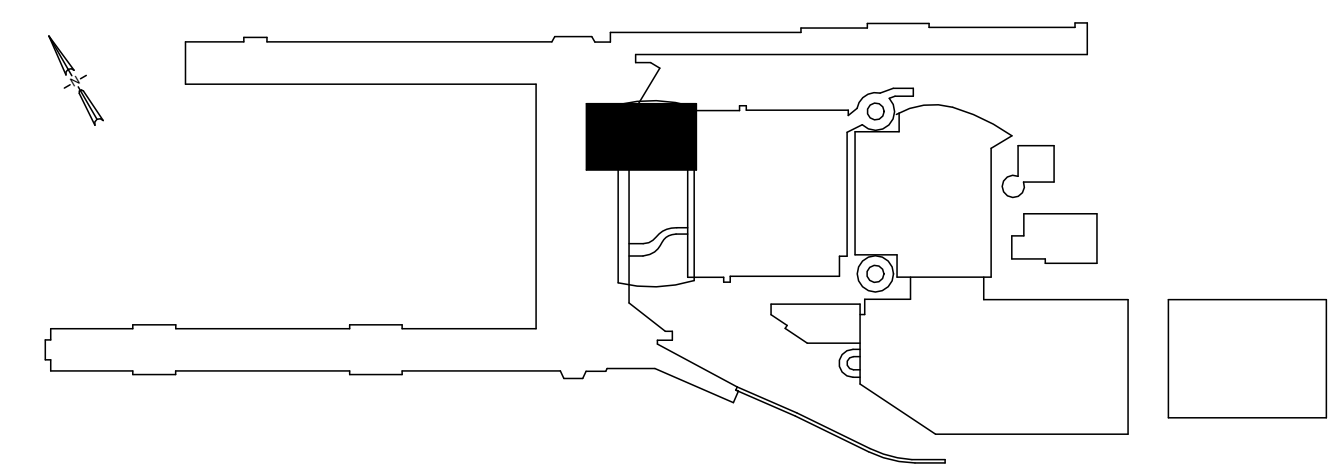
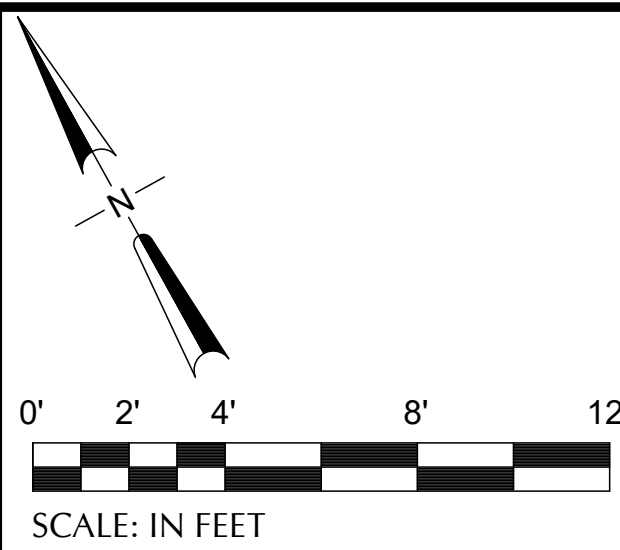
|  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                           |  |                                            |  |  |  |  |  |  |  |                                                  |  |
|--|--|--|--|--|--|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------|--|--|--|--|--|--|--|--------------------------------------------------|--|
|  |  |  |  |  |  |  |  |  |  | <div><div> <b>Port of Portland</b></div><div> <b>PAE</b> pae-engineers.com<br/>151 SW 1st Avenue #300<br/>Portland, OR 97204 503.226.2921<br/>pae-engineers.com</div><div> <b>mwa architects</b></div></div> |  |  |  |  |  |  |  |  |  | <div><div></div><div>EXPIRES: 12/31/2026</div></div> |  |  |  |  |  |  |  |  |  | <div><div>PORTLAND INTERNATIONAL AIRPORT</div><div>TERMINAL RESTROOM REHABILITATION 2026</div><div>TERMINAL - ENPLANING - SECTOR E5 - T2TD44 - RCP - LIGHTING</div></div> |  |                                            |  |  |  |  |  |  |  | <div>SUBMITTED BY<br/><b>BRIAN FRANCIS</b></div> |  |
|  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                                                                                           |  |  |  |  |  |  |  |  |  | <div>DESIGNED BY<br/><b>A. NGUYEN</b></div>                                                                                                                               |  |                                            |  |  |  |  |  |  |  |                                                  |  |
|  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                                                                                           |  |  |  |  |  |  |  |  |  | <div>DRAWN BY<br/><b>A. NGUYEN</b></div>                                                                                                                                  |  |                                            |  |  |  |  |  |  |  |                                                  |  |
|  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                                                                                           |  |  |  |  |  |  |  |  |  | <div>CHECKED BY<br/><b>J. MUTSCHLER</b></div>                                                                                                                             |  |                                            |  |  |  |  |  |  |  |                                                  |  |
|  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                                                                                           |  |  |  |  |  |  |  |  |  | <div>DATE<br/><b>JULY 2026</b></div>                                                                                                                                      |  |                                            |  |  |  |  |  |  |  |                                                  |  |
|  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                                                                                           |  |  |  |  |  |  |  |  |  | <div>SHEET NO.<br/><b>127</b></div>                                                                                                                                       |  | <div>TYPE<br/><b>CD</b></div>              |  |  |  |  |  |  |  |                                                  |  |
|  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                                                                                           |  |  |  |  |  |  |  |  |  | <div>DRAWING NO.<br/><b>PDX 2026-510</b></div>                                                                                                                            |  | <div>DISC. SHT. NO.<br/><b>E2.05</b></div> |  |  |  |  |  |  |  |                                                  |  |



DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17"

0 1/4" 1/2" 1" 2"

GRAPHIC SCALE FOR REFERENCE ONLY

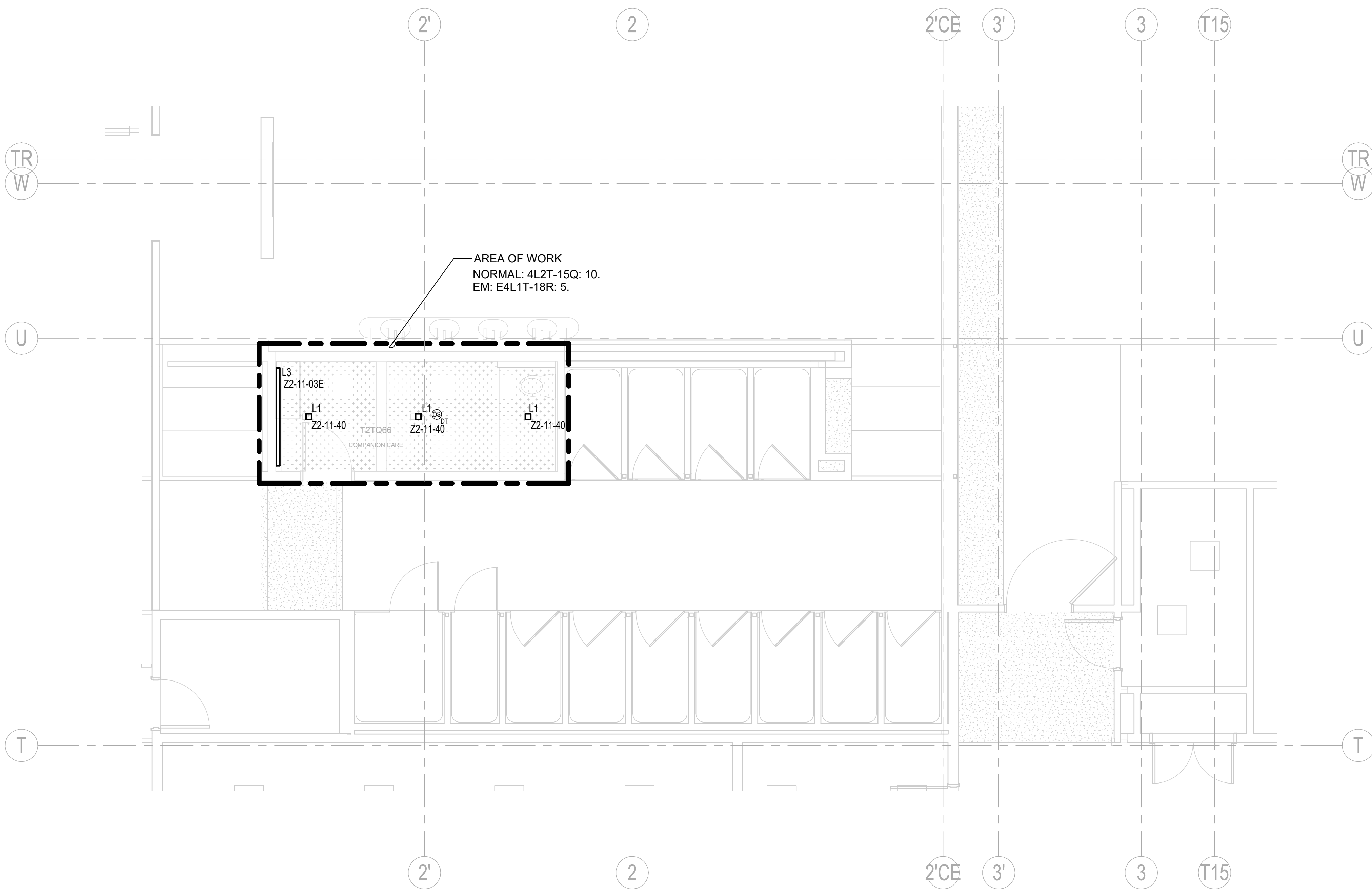


- ## NOTES
1. ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED.
  2. DOWNLIGHTS TO BE CENTERED IN THE ARCHITECTURAL PANEL.
  3. L3 LIGHTS TO BE SUSPENDED FROM STRUCTURE AND CENTERED IN ARCHITECTURAL COVE
  4. LIGHT FIXTURES ARE TO BE HOMERUN TO VIA LIGHTING RELAY PANEL 4LDC2T-15Q-A. REFER TO LIGHTING CONTROL SCHEDULE SHEET E7.06 FOR CIRCUITING INFORMATION.
  5. ROUTE 0-10V DIMMING CONDUCTORS FROM LRC TO RESTROOM LIGHTS SHOWN IN LIGHTING CONTROL SCHEDULE FOR DIMMING CONTROL.

1 TERMINAL - SECTOR E2 - T2TQ48 - ENPLANING - RCP - LIGHTING  
SCALE: 1/4" = 1'-0"

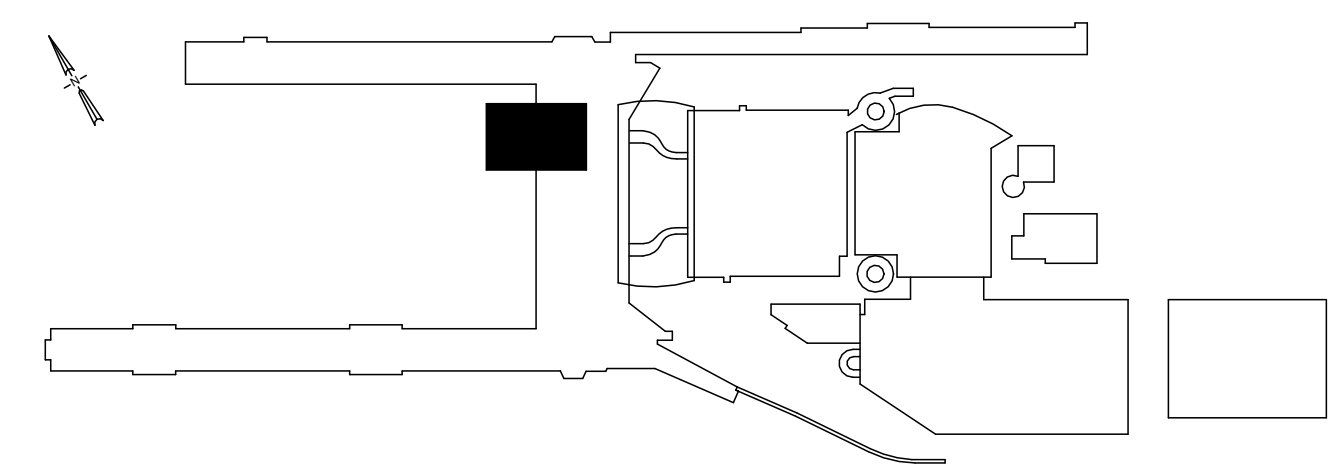
|                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------|--|--|--|--|--|--|--|--|--|
|                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                           |  |  |  |  |  |  |  |  |  | <div><div></div><div><div><div>PAE</div><div>pae-engineers.com</div></div><div><div>151 SW 1st Avenue #300<br/>Portland, OR 97204</div><div><div>503.226.2921</div><div>pae-engineers.com</div></div></div></div></div> |  |  |  |  |  |  |  |  |  | <div><div><div>REGISTERED PROFESSIONAL<br/>ENGINEER<br/>44775PE</div><div>OREGON<br/>JULY 13, 1999<br/>GRANT R. PARTHEMER</div></div><div>7/14/26<br/>EXPIRES: 12/31/2026</div></div> |  |  |  |  |  |  |  |  |  | PORTLAND INTERNATIONAL AIRPORT |  |  |  |  |  |  |  |  |  | SUBMITTED BY<br>BRIAN FRANCIS |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | TERMINAL RESTROOM REHABILITATION 2026                                                                                                                                                 |  |  |  |  |  |  |  |  |  | DESIGNED BY<br>A. NGUYEN       |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | TERMINAL - ENPLANING - SECTOR E2 - T2TQ48 - RCP - LIGHTING                                                                                                                            |  |  |  |  |  |  |  |  |  | DRAWN BY<br>A. NGUYEN          |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | CHECKED BY<br>J. MUTSCHLER     |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | DATE<br>JULY 2026              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | SHEET NO.<br>128               |  |  |  |  |  |  |  |  |  | TYPE<br>CD                    |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | DRAWING NO.<br>PDX 2026-510    |  |  |  |  |  |  |  |  |  | DISC. SHT. NO.<br>E2.06       |  |  |  |  |  |  |  |  |  |
| <div><div></div><div>DATE</div><div>BY</div><div>REVISIONS</div></div> |  |  |  |  |  |  |  |  |  | <div><div></div><div>DATE</div><div>BY</div><div>REVISIONS</div></div> |  |  |  |  |  |  |  |  |  | <div><div></div></div>                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | 2025D031<br>DESIGN NUMBER                                                                                                                                                             |  |  |  |  |  |  |  |  |  | 103101<br>PROJECT NUMBER       |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |





- ## NOTES
1. ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED.
  2. DOWNLIGHTS TO BE CENTERED IN THE ARCHITECTURAL PANEL.
  3. L3 LIGHTS TO BE SUSPENDED FROM STRUCTURE AND CENTERED IN ARCHITECTURAL COVE.
  4. LIGHT FIXTURES ARE TO BE HOMERUN TO VIA LIGHTING RELAY PANEL 4LDC2T-15Q-A. REFER TO LIGHTING CONTROL SCHEDULE SHEET E7.06 FOR CIRCUITING INFORMATION.
  5. ROUTE 0-10V DIMMING CONDUCTORS FROM LRC TO RESTROOM LIGHTS SHOWN IN LIGHTING CONTROL SCHEDULE FOR DIMMING CONTROL .

1 TERMINAL - SECTOR W - T2TQ66 - ENPLANING - RCP - LIGHTING  
SCALE: 1/4" = 1'-0"

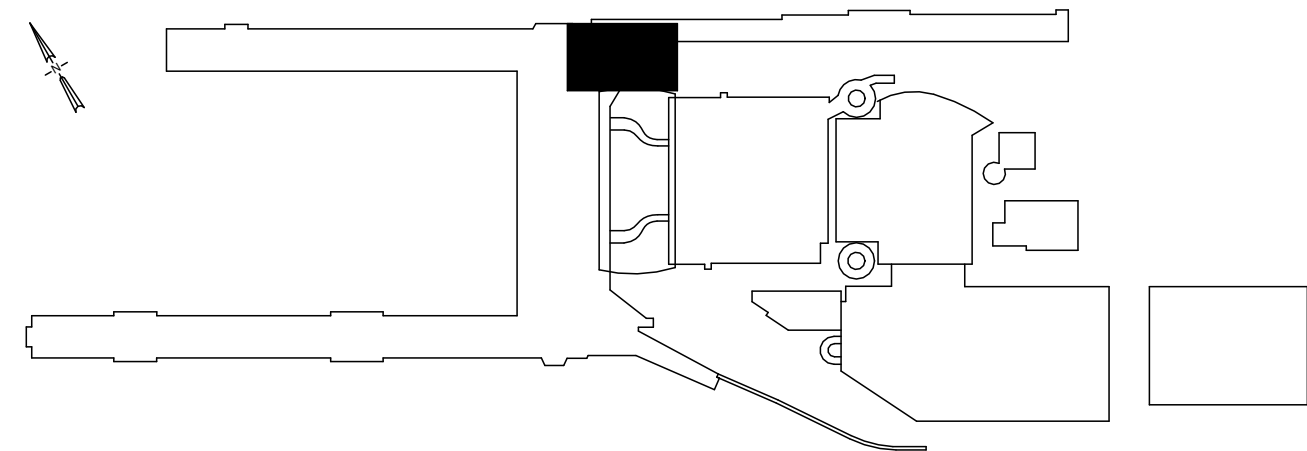
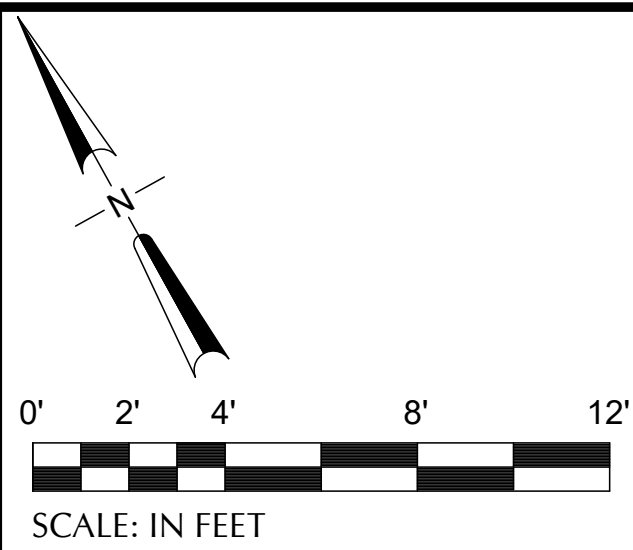


|                                  |  |  |  |  |  |  |  |  |  |                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                           |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |  |  |
|----------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-----------------------------------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|
|                                  |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |                                                                                                         |  |  |  |  |  |  |  |  |  | PORTLAND INTERNATIONAL AIRPORT                            |  |  |  |  |  |  |  |  |  | SUBMITTED BY<br>BRIAN FRANCIS |  |  |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |  |  |
|                                  |  |  |  |  |  |  |  |  |  | <br>mwa architects |  |  |  |  |  |  |  |  |  |  pae-engineers.com<br>151 SW 1st Avenue #300<br>Portland, OR 97204<br>503.226.2921<br>pae-engineers.com |  |  |  |  |  |  |  |  |  | TERMINAL RESTROOM REHABILITATION 2026                     |  |  |  |  |  |  |  |  |  | DESIGNED BY<br>A. NGUYEN      |  |  |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |  |  |
|                                  |  |  |  |  |  |  |  |  |  |                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  | TERMINAL - ENPLANING - SECTOR W - T2TQ66 - RCP - LIGHTING |  |  |  |  |  |  |  |  |  | DRAWN BY<br>A. NGUYEN         |  |  |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |  |  |
|                                  |  |  |  |  |  |  |  |  |  |                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                           |  |  |  |  |  |  |  |  |  | CHECKED BY<br>J. MUTSCHLER    |  |  |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |  |  |
|                                  |  |  |  |  |  |  |  |  |  |                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                           |  |  |  |  |  |  |  |  |  | DATE<br>JULY 2026             |  |  |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |  |  |
|                                  |  |  |  |  |  |  |  |  |  |                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                           |  |  |  |  |  |  |  |  |  | SHEET NO.<br>129              |  |  |  |  |  |  |  |  |  | TYPE<br>CD              |  |  |  |  |  |  |  |  |  |
|                                  |  |  |  |  |  |  |  |  |  |                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                           |  |  |  |  |  |  |  |  |  | DRAWING NO.<br>PDX 2026-510   |  |  |  |  |  |  |  |  |  | DISC. SHT. NO.<br>E2.07 |  |  |  |  |  |  |  |  |  |
| <div>NO. DATE BY REVISIONS</div> |  |  |  |  |  |  |  |  |  | <div>NO. DATE BY REVISIONS</div>                                                                        |  |  |  |  |  |  |  |  |  | <div>2025D031<br/>PROJECT NUMBER</div>                                                                                                                                                       |  |  |  |  |  |  |  |  |  | <div>103101<br/>PROJECT NUMBER</div>                      |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |  |  |



0 1/4" 1/2" 1" 2"

GRAPHIC SCALE: FOR REFERENCE ONLY



## KEY NOTES #

1. CONNECT TO CIRCUIT 4E1A-EBE4: 16 AND CONTROL SHOWN.
2. PROVIDE LINE VOLTAGE OCCUPANCY SENSOR AND CONNECT TO CIRCUIT SHOWN.
3. ROOM CONTROLLER ABOVE CEILING - SEE SPECIFICATIONS.

1 TERMINAL - SECTOR E1 - T2TS40 - ENPLANING - RCP - LIGHTING  
SCALE: 1/4" = 1'-0"

[illegible]

|                                                                                                                |                                                                                                                                                                                                         |                                                                                       |
|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  <b>Port of Portland</b>  |                                                                                                                                                                                                         |  |
| <br><b>mwa architects</b> |  <b>PAE</b> pae-engineers.com<br>151 SW 1st Avenue #300<br>Portland, OR 97204<br>503.226.2921<br>pae-engineers.com |                                                                                       |
| _____<br>2025D031<br>DESIGN NUMBER                                                                             | _____<br>103101<br>PROJECT NUMBER                                                                                                                                                                       | EXPIRES: 12/31/2026    7/14/26                                                        |

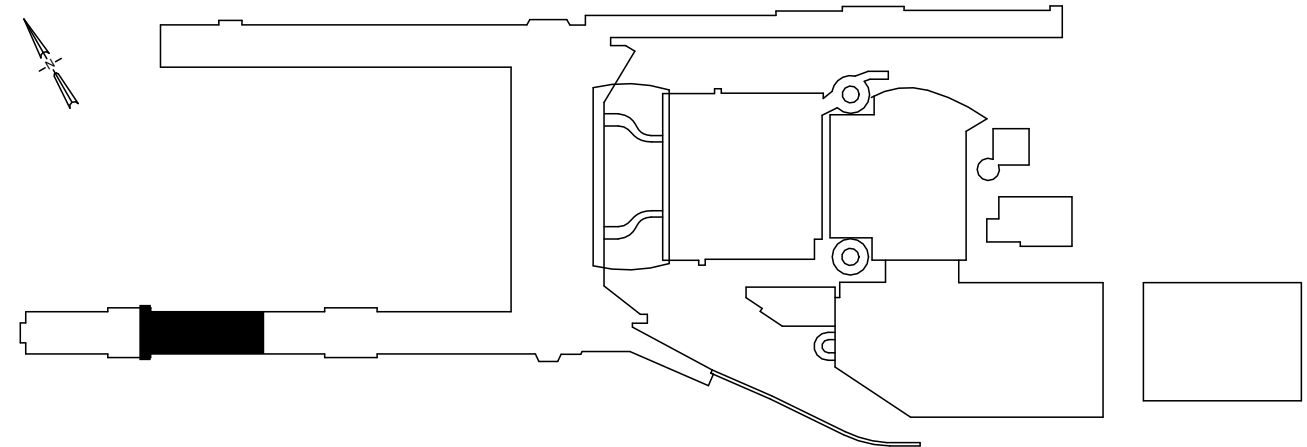
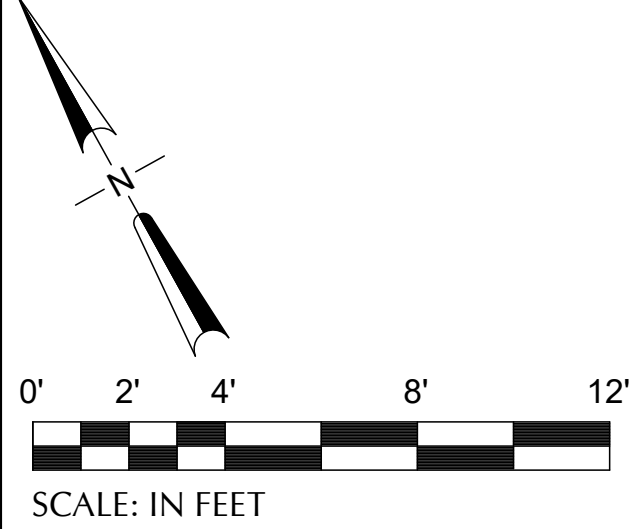
|                                                            |              |  |               |                      |
|------------------------------------------------------------|--------------|--|---------------|----------------------|
| PORTLAND INTERNATIONAL AIRPORT                             | SUBMITTED BY |  | BRIAN FRANCIS |                      |
| TERMINAL RESTROOM REHABILITATION 2026                      | DESIGNED BY  |  | A. NGUYEN     |                      |
|                                                            | DRAWN BY     |  | A. NGUYEN     |                      |
| TERMINAL - ENPLANING - SECTOR E1 - T2TS40 - RCP - LIGHTING | CHECKED BY   |  | J. MUTSCHLER  |                      |
|                                                            | DATE         |  | JULY 2026     |                      |
|                                                            | SHEET NO.    |  | 130           | TYPE CD              |
|                                                            | DRAWING NO.  |  | PDX 2026-510  | DISC. SHT. NO. E2.08 |



GRAPHIC SCALE FOR REFERENCE ONLY

0 1/4" 1/2" 1" 2"

DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17"



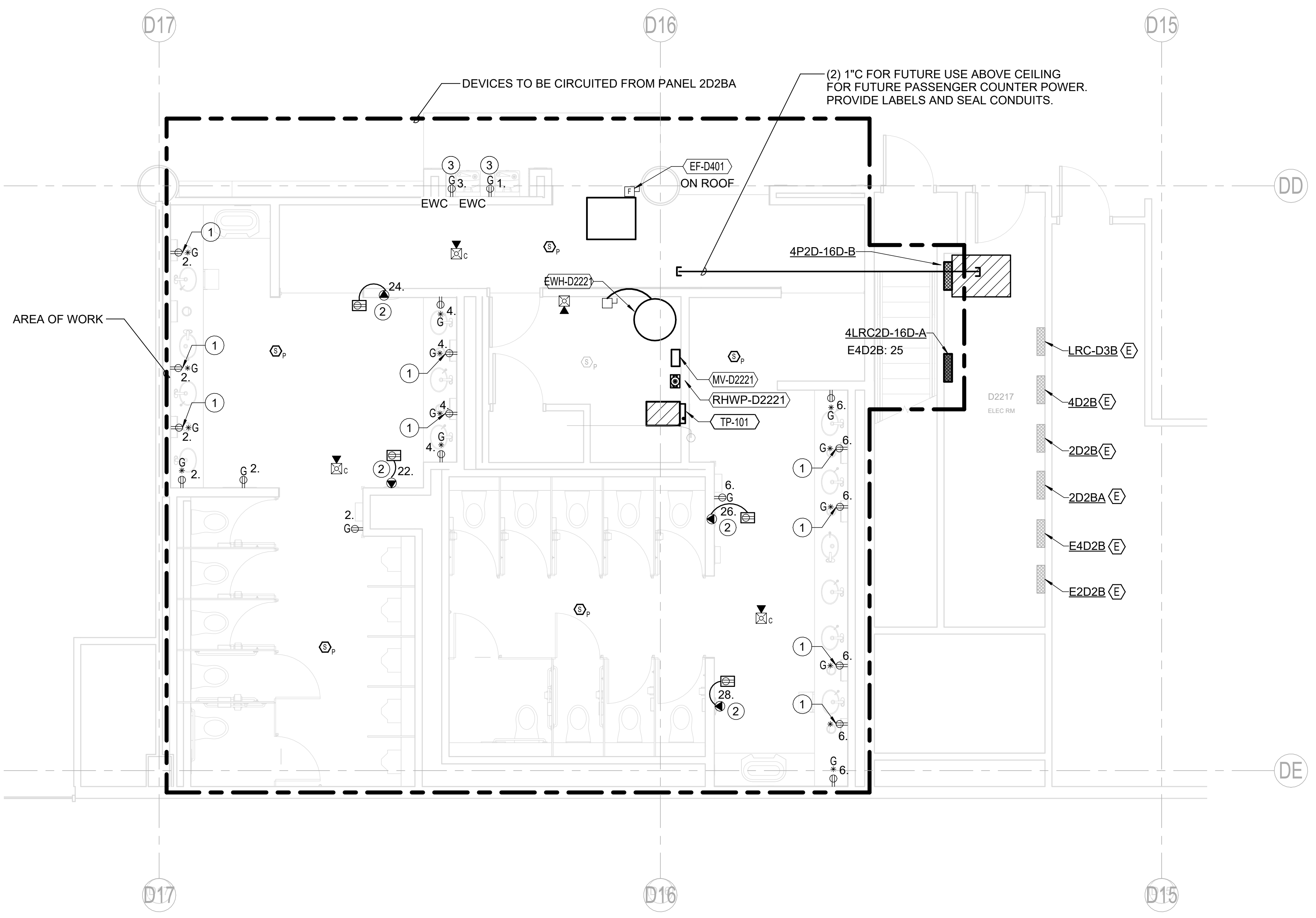
## KEY NOTES

1. PROVIDE DUPLEX RECEPTACLE FOR EACH TOWEL DISPENSER. LOCATE RECEPTACLE DIRECTLY ABOVE EACH DISPENSER BEHIND REMOVABLE WALL PANEL ABOVE MIRROR. PROVIDE CONDUIT IN WALL TO ROUTE CONNECTION TO DISPENSER.
2. UTILIZE EXISTING RECEPTACLE TO REINSTALL SMART CARTE KIOSK.

1 CONOURSE C - SECTOR 5 - C2039 - ENPLANING - FLOOR PLAN - ELECTRICAL  
SCALE: 1/4" = 1'-0"

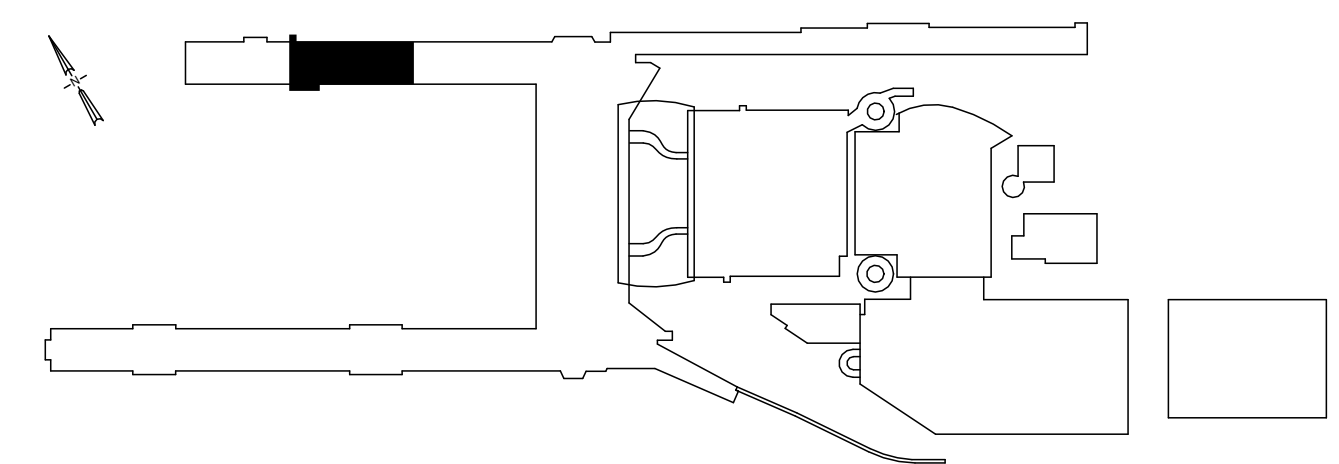
|                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------|--|--|--|--|--|--|--|--|--|
|                                                                                                                                                           |  |  |  |  |  |  |  |  |  | <div><div><b>Port of Portland</b></div><div><b>mwa architects</b></div></div> |  |  |  |  |  |  |  |  |  | <div><div><b>PAE</b><br/>pae-engineers.com</div><div>151 SW 1st Avenue #300<br/>Portland, OR 97204</div><div>503.226.2921<br/>pae-engineers.com</div></div> |  |  |  |  |  |  |  |  |  | <div><div></div><div>EXPIRES: 12/31/2026</div></div> |  |  |  |  |  |  |  |  |  | PORTLAND INTERNATIONAL AIRPORT |  |  |  |  |  |  |  |  |  | SUBMITTED BY<br>BRIAN FRANCIS |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  | TERMINAL RESTROOM REHABILITATION 2026                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  | DESIGNED BY<br>A. NGUYEN                                                                                                                  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  | CONCOURSE C - ENPLANING - SECTOR 5 - C2039 - FLOOR PLAN - ELECTRICAL                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | DRAWN BY<br>A. NGUYEN                                                                                                                     |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  | CHECKED BY<br>J. MUTSCHLER                                                                                                                |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  | DATE<br>JULY 2026                                                                                                                         |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  | SHEET NO. 131                                                                                                                             |  |  |  |  |  |  |  |  |  | TYPE CD                        |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  | DRAWING NO. PDX 2026-510                                                                                                                  |  |  |  |  |  |  |  |  |  | DISC. SHT. NO. E3.00           |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| <div><div></div><div>DATE</div><div>BY</div><div>REVISIONS</div></div> |  |  |  |  |  |  |  |  |  | <div><div></div><div>DATE</div><div>BY</div><div>REVISIONS</div></div>                                                                                               |  |  |  |  |  |  |  |  |  | 2025D031<br>DESIGN NUMBER                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | 7/14/26<br>PROJECT NUMBER                                                                                                                 |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |





- ## **NOTES**
1. ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED.
  2. MECHANICAL AND PLUMBING EQUIPMENT SHOWN ARE FOR REFERENCE ONLY. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATION OF ALL EQUIPMENT.
  3. THE FIRE ALARM SYSTEM IS A CONTRACTOR DESIGN-BUILD SYSTEM. FIRE ALARM DEVICES SHOWN ARE FOR COORDINATION ONLY. CONTRACTOR SHALL PROVIDE HARDWARE, EQUIPMENT, DEVICES, ACCESSORIES AND ANY ADDITIONAL ITEMS REQUIRED FOR A COMPLETE AND OPERATIONAL CODE COMPLIANT SYSTEM. ALL CONDUIT ROUTING SIZING, CABLING, CALCULATION, ETC ARE ALSO CONTRACTOR DESIGN BUILD. REFER TO SPECIFICATION 284600 FOR ADDITIONAL INFORMATION.

- ## **KEY NOTES**
1. PROVIDE RECEPTACLE FOR EACH TOWEL DISPENSER. LOCATE RECEPTACLE DIRECTLY ABOVE EACH DISPENSER BEHIND REMOVABLE WALL PANEL ABOVE MIRROR. PROVIDE CONDUIT IN WALL TO ROUTE CONNECTION TO DISPENSER.
  2. PROVIDE RECEPTACLE IN AN ENCLOSURE ABOVE THE CEILING FOR HAND DRYER PLUG-IN TRANSFORMER CONNECTION AND CONDUIT DOWN TO HAND DRYER FOR LV CABLING. PROVIDE CONDUIT FROM ENCLOSURE DOWN TO THE DISPENSER FOR POWER SUPPLY CORD ROUTING.
  3. EXTEND CIRCUIT LEFT FROM DEMOLITION TO NEW EWC LOCATION. REPUCL CONDUCTORS AS REQUIRED TO AVOID BLANK COVER JUNCTION BOX AT POINT OF EXTENSION.



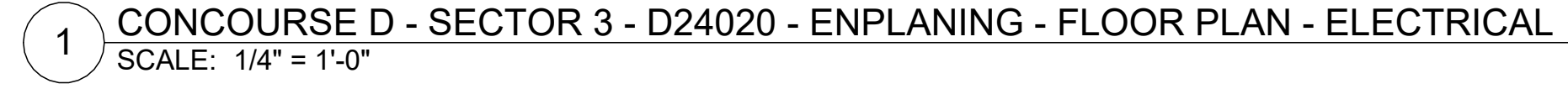
1 CONOURSE D - SECTOR 2 - D2221, D2222, D2223 - ENPLANING - FLOOR PLAN - ELECTRICAL  
SCALE: 1/4" = 1'-0"

|                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                    |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-----------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|
|                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                           |  |  |  |  |  |  |  |  |  | <div><div></div><div><div><div>PAE</div><div>pae-engineers.com</div></div><div><div>503.226.2921</div><div>pae-engineers.com</div></div></div></div> <div><div>REGISTERED PROFESSIONAL ENGINEER</div><div>44775PE</div><div>OREGON</div><div>JULY 13, 1999</div><div>GRANT R. PARTHEMER</div></div> <div><div>7/14/26</div><div>EXPIRES: 12/31/2026</div></div> |  |  |  |  |  |  |  |  |  | PORTLAND INTERNATIONAL AIRPORT                                                     |  |  |  |  |  |  |  |  |  | SUBMITTED BY<br>BRIAN FRANCIS |  |  |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |  |  |
|                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  | TERMINAL RESTROOM REHABILITATION 2026                                              |  |  |  |  |  |  |  |  |  | DESIGNED BY<br>A. NGUYEN      |  |  |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |  |  |
|                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  | CONCOURSE D - ENPLANING - SECTOR 2 - D2221, D2222, D2223 - FLOOR PLAN - ELECTRICAL |  |  |  |  |  |  |  |  |  | DRAWN BY<br>A. NGUYEN         |  |  |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |  |  |
|                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                    |  |  |  |  |  |  |  |  |  | CHECKED BY<br>J. MUTSCHLER    |  |  |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |  |  |
|                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                    |  |  |  |  |  |  |  |  |  | DATE<br>JULY 2026             |  |  |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |  |  |
|                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                    |  |  |  |  |  |  |  |  |  | SHEET NO.<br>132              |  |  |  |  |  |  |  |  |  | TYPE<br>CD              |  |  |  |  |  |  |  |  |  |
|                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                    |  |  |  |  |  |  |  |  |  | DRAWING NO.<br>PDX 2026-510   |  |  |  |  |  |  |  |  |  | DISC. SHT. NO.<br>E3.01 |  |  |  |  |  |  |  |  |  |
| <div><div></div></div> |  |  |  |  |  |  |  |  |  | <div><div></div></div> |  |  |  |  |  |  |  |  |  | <div>2025D031<br/>DESIGN NUMBER</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  | <div>103101<br/>PROJECT NUMBER</div>                                               |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |  |  |

IF ELECTRONIC SIGNATURE IS BROKEN OR MISSING - THIS IS NOT A LEGAL DRAWING

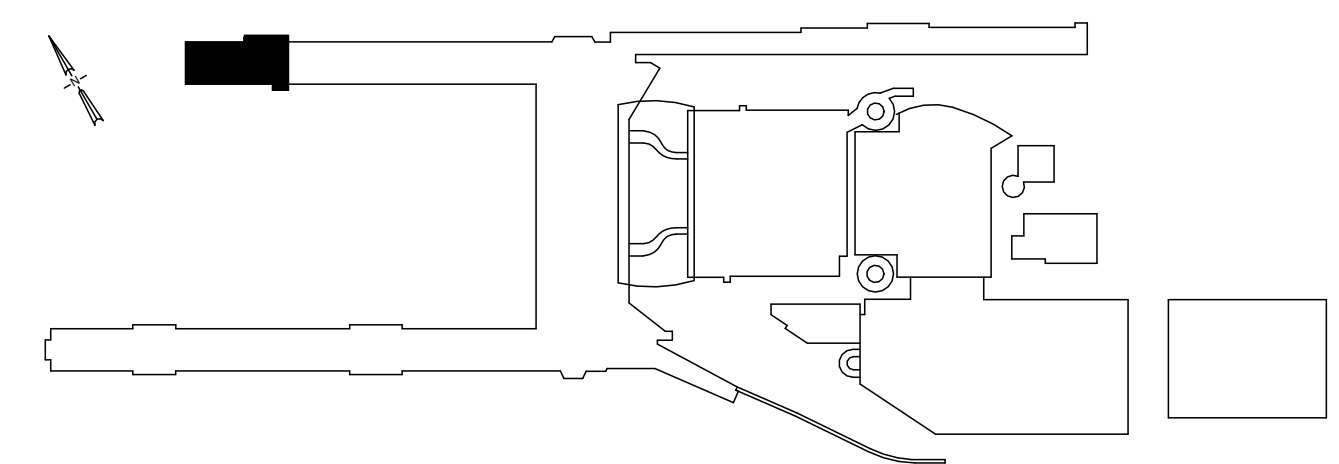
DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".





1. ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED.
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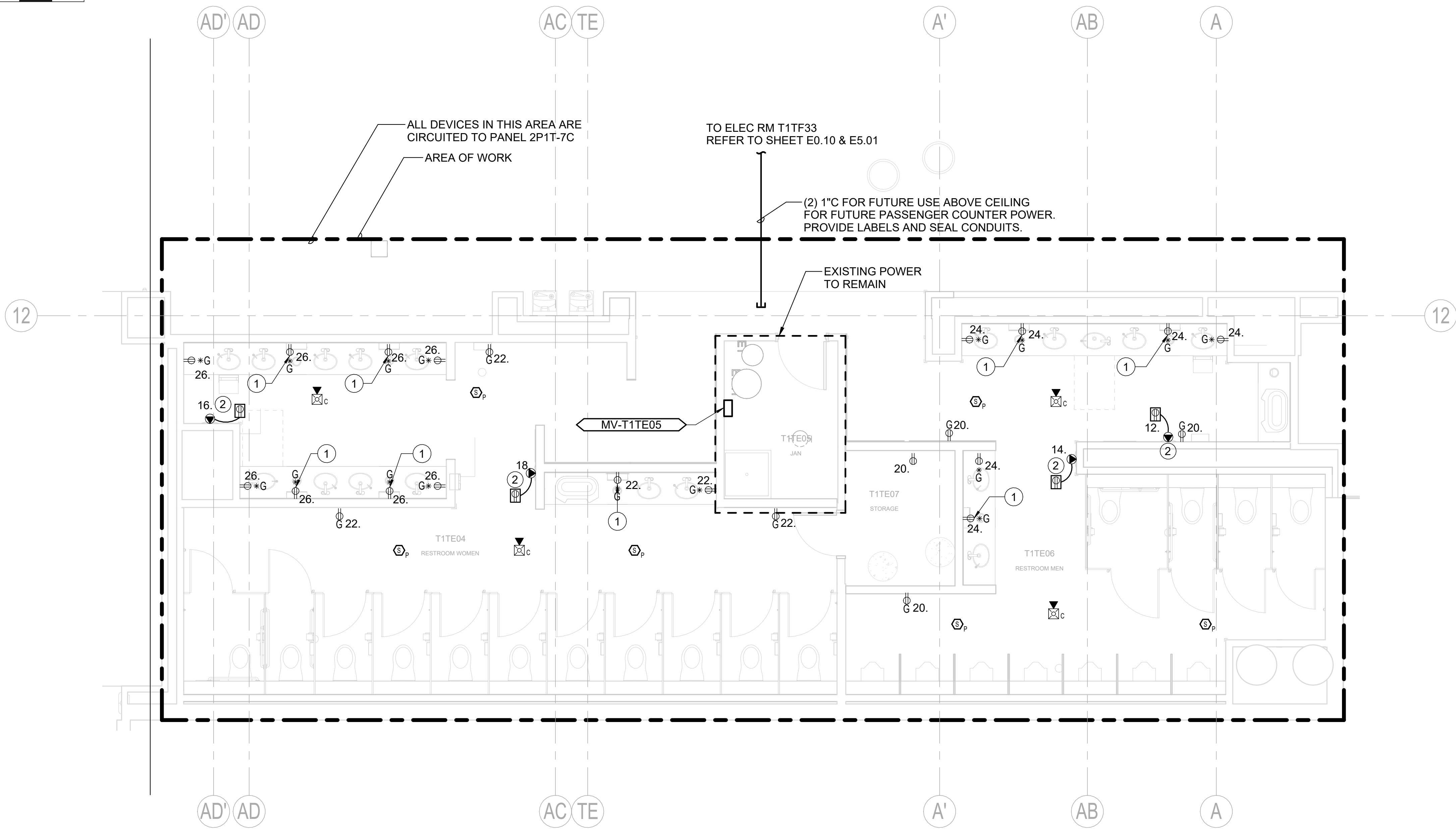
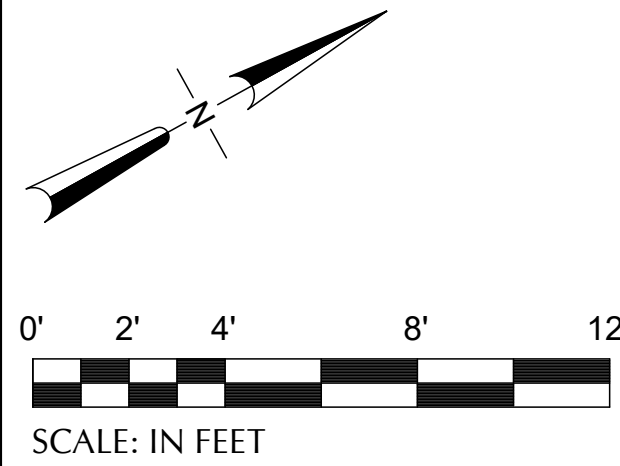


|              |               |                |    |
|--------------|---------------|----------------|----|
| SUBMITTED BY | BRIAN FRANCIS |                |    |
| DESIGNED BY  | A. NGUYEN     |                |    |
| DRAWN BY     | A. NGUYEN     |                |    |
| CHECKED BY   | J. MUTSCHLER  |                |    |
| DATE         | JULY 2026     |                |    |
| SHEET NO.    | 133           | TYPE           | CD |
| DRAWING NO.  |               | DISC. SHT. NO. |    |
| PDX 2026-510 |               | E3.02          |    |





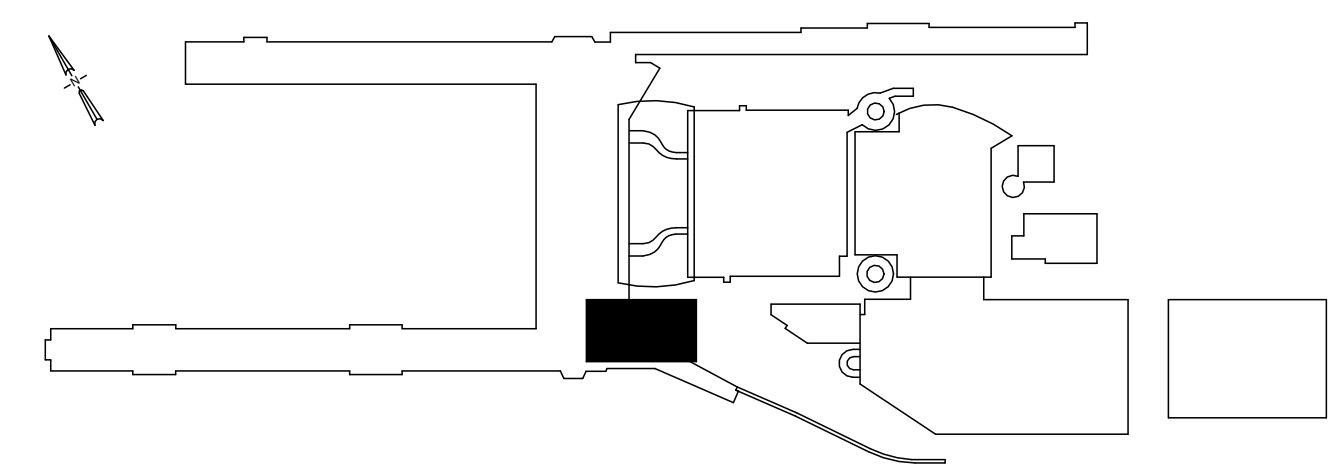
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



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1 TERMINAL - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - DEPLANING - FLOOR PLAN - ELECTRICAL  
SCALE: 1/4" = 1'-0"



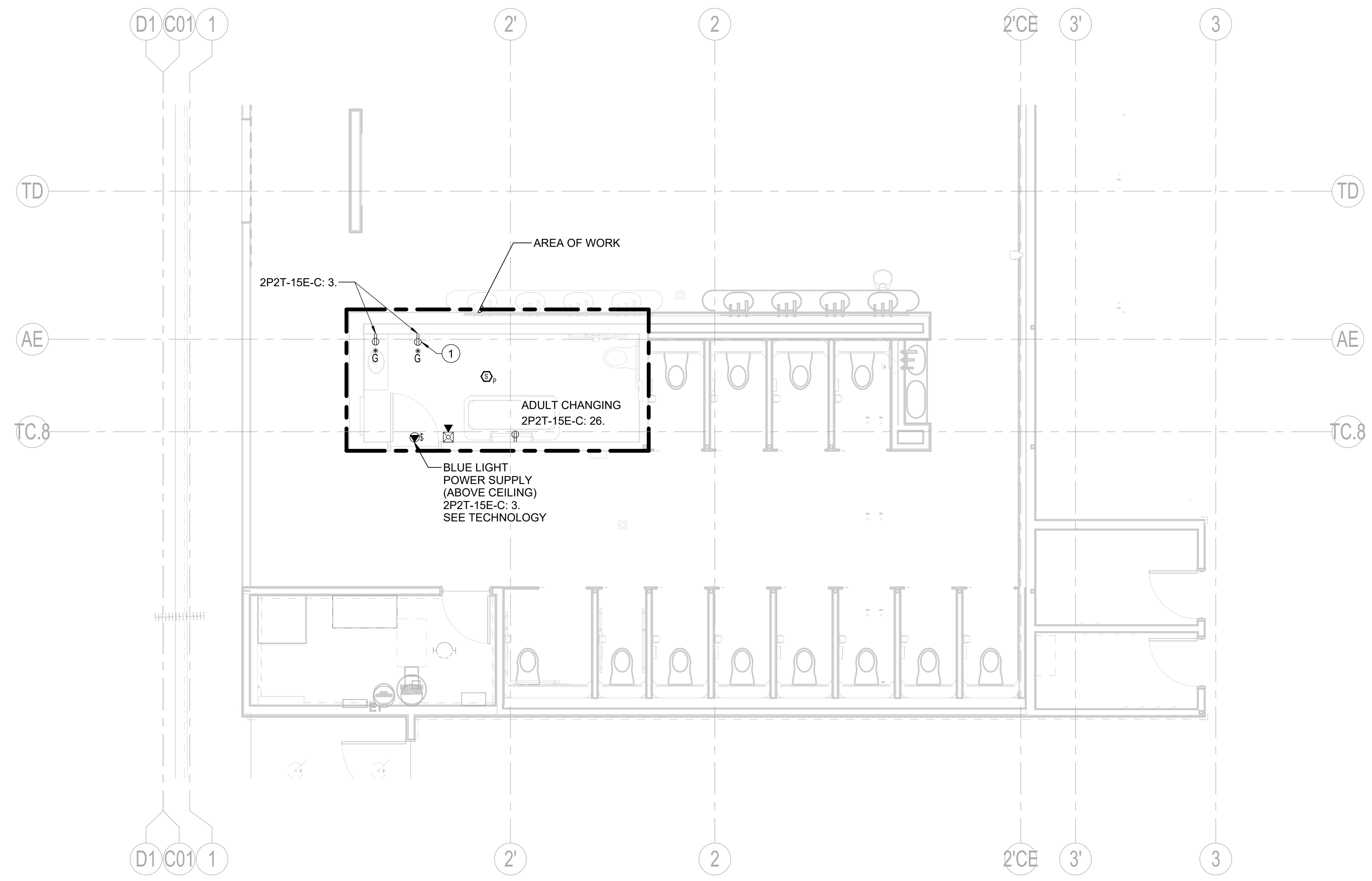
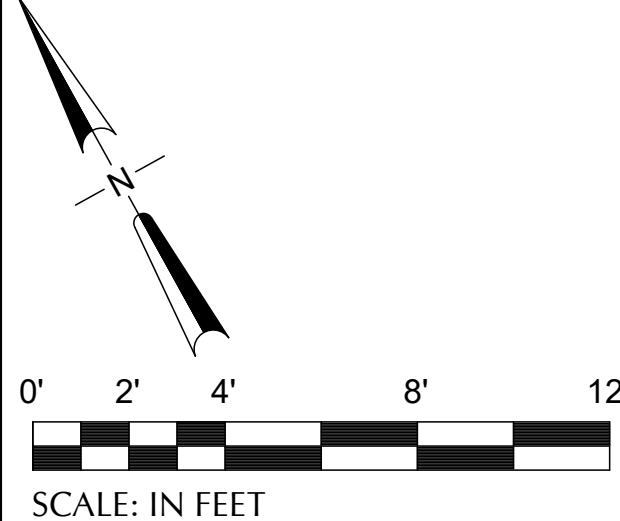
DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".  
0 1/4" 1/2" 1"  
GRAPHIC SCALE FOR REFERENCE ONLY

| NO. | DATE | BY | REVISIONS | APP. |
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|                                                                                             |  |                |               |
|---------------------------------------------------------------------------------------------|--|----------------|---------------|
| PORTLAND INTERNATIONAL AIRPORT                                                              |  | SUBMITTED BY   | BRIAN FRANCIS |
| TERMINAL RESTROOM REHABILITATION 2026                                                       |  | DESIGNED BY    | A. NGUYEN     |
| TERMINAL - DEPLANING - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - FLOOR PLAN - ELECTRICAL |  | DRAWN BY       | A. NGUYEN     |
|                                                                                             |  | CHECKED BY     | J. MUTSCHLER  |
|                                                                                             |  | DATE           | JULY 2026     |
|                                                                                             |  | SHEET NO.      | 134           |
|                                                                                             |  | TYPE           | CD            |
|                                                                                             |  | DRAWING NO.    | PDX 2026-510  |
|                                                                                             |  | DISC. SHT. NO. | E3.03         |

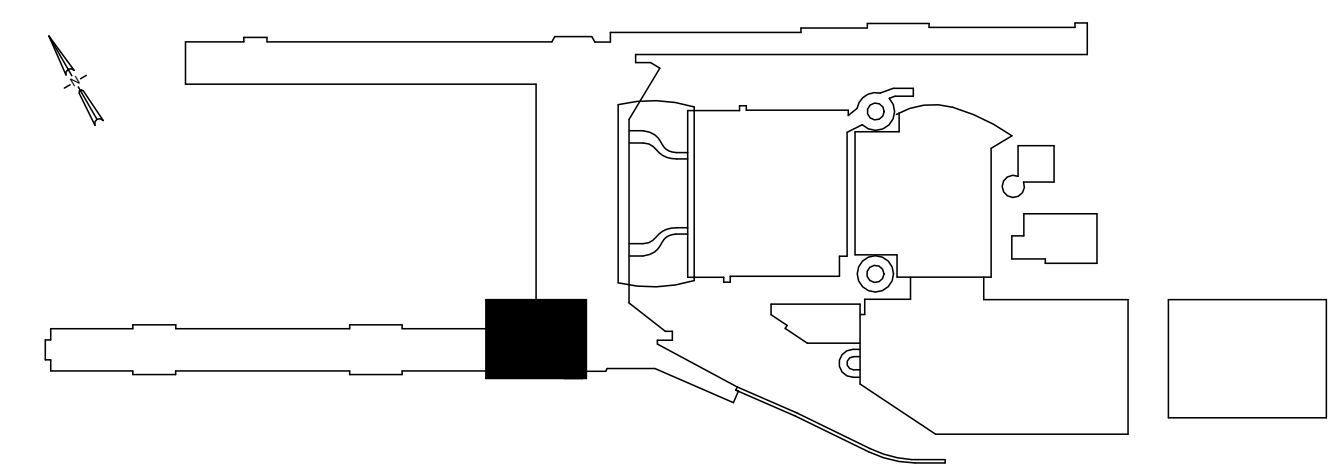




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1 TERMINAL - SECTOR W5 - T2TC66 - ENPLANING - FLOOR PLAN - ELECTRICAL  
SCALE: 1/4" = 1'-0"

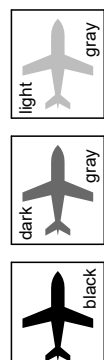
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|                                                                                                                    |                                                                                                                                                                                                                             |                                                                                       |
|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  <h1>Port of Portland</h1>    |                                                                                                                                                                                                                             |  |
|  <p><b>mwa architects</b></p> |  <p><b>PAE</b>    pae-engineers.com</p> <p>151 SW 1st Avenue #300<br/>Portland, OR 97204</p> <p>503.226.2921<br/>pae-engineers.com</p> |                                                                                       |
| <p>2025D031<br/>DESIGN NUMBER</p>                                                                                  | <p>103101<br/>PROJECT NUMBER</p>                                                                                                                                                                                            | <p>EXPIRES: 12/31/2026</p> <p>7/14/26</p>                                             |

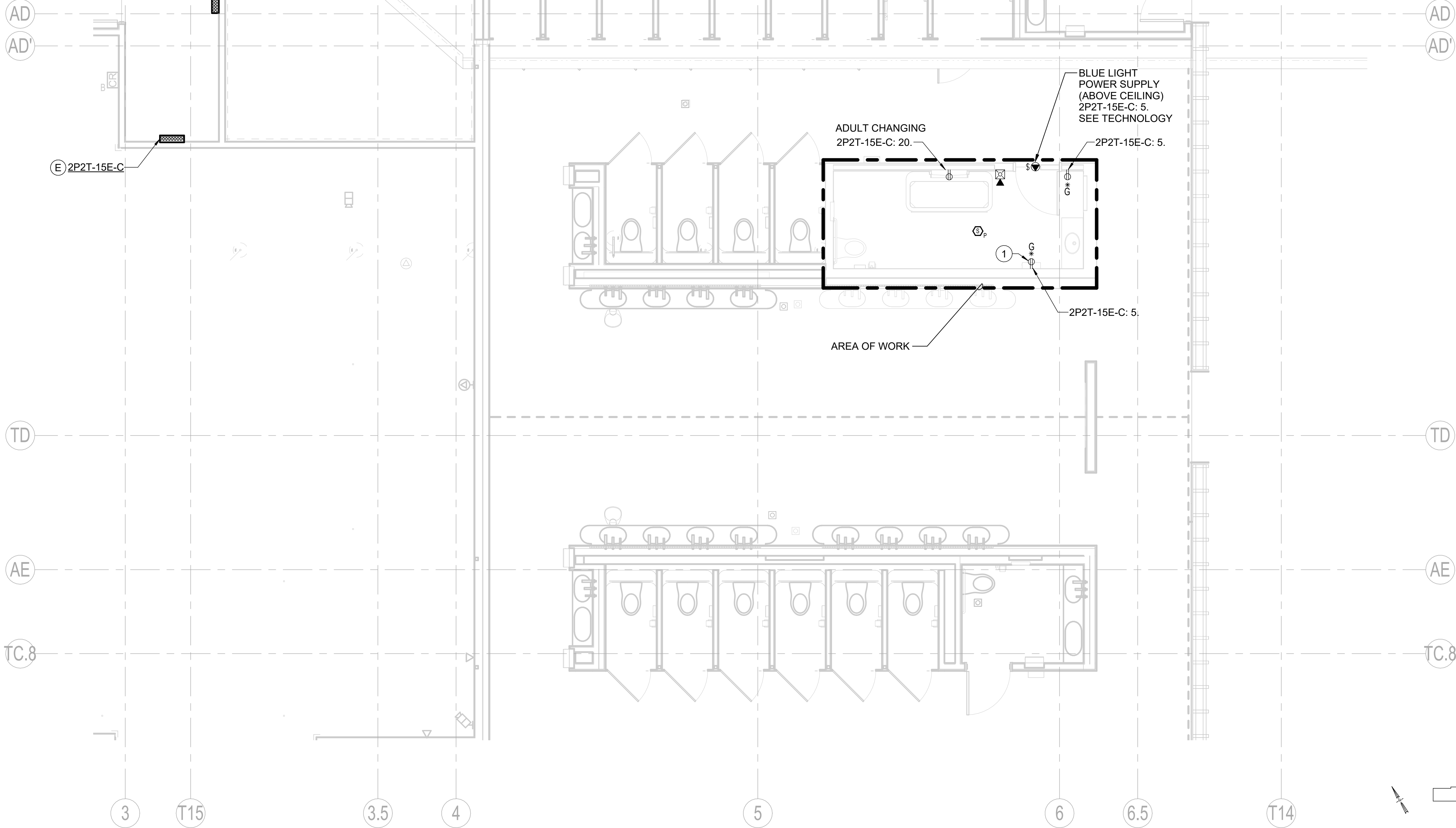
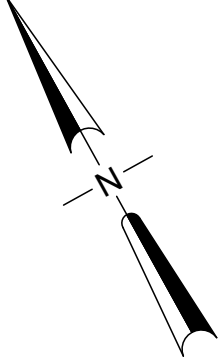
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| PORTLAND INTERNATIONAL AIRPORT                                      | SUBMITTED BY |  | BRIAN FRANCIS |                |
| TERMINAL RESTROOM REHABILITATION 2026                               | DESIGNED BY  |  | A. NGUYEN     |                |
|                                                                     | DRAWN BY     |  | A. NGUYEN     |                |
|                                                                     | CHECKED BY   |  | J. MUTSCHLER  |                |
|                                                                     | DATE         |  | JULY 2026     |                |
| TERMINAL - ENPLANING - SECTOR W5 - T2TC66 - FLOOR PLAN - ELECTRICAL | SHEET NO.    |  | 135           | TYPE CD        |
|                                                                     | DRAWING NO.  |  | PDX 2026-510  | DISC. SHT. NO. |
|                                                                     |              |  |               | E3.04          |



CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



SCALE: IN FEET

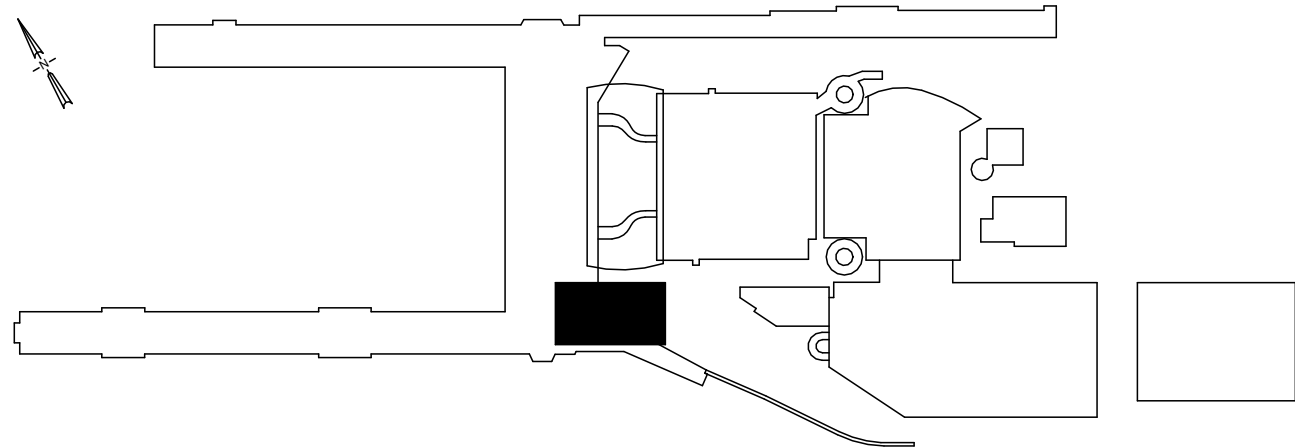


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1 TERMINAL - SECTOR E5 - T2TD44 - ENPLANING - FLOOR PLAN - ELECTRICAL  
SCALE: 1/4" = 1'-0"



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EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

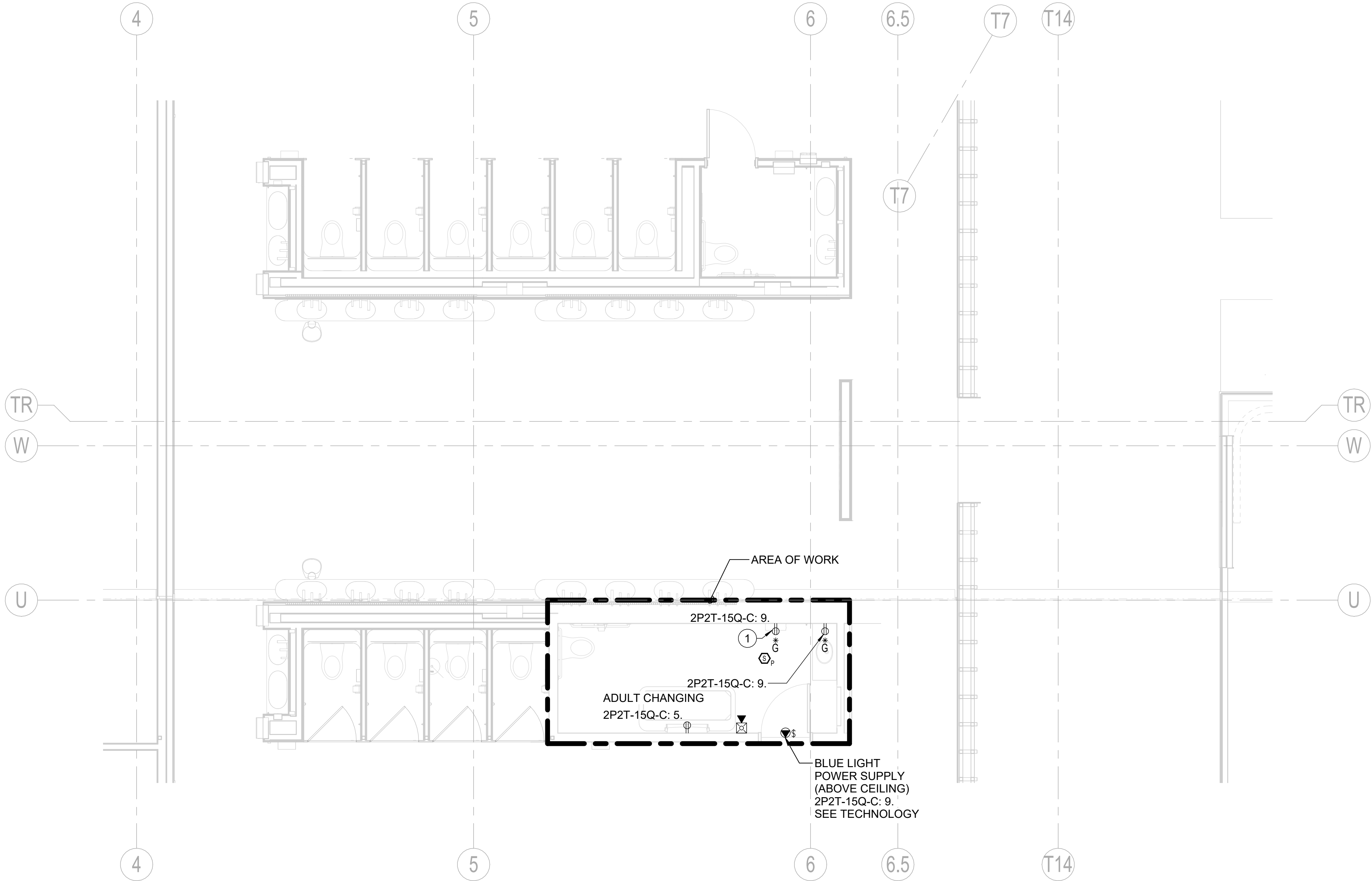
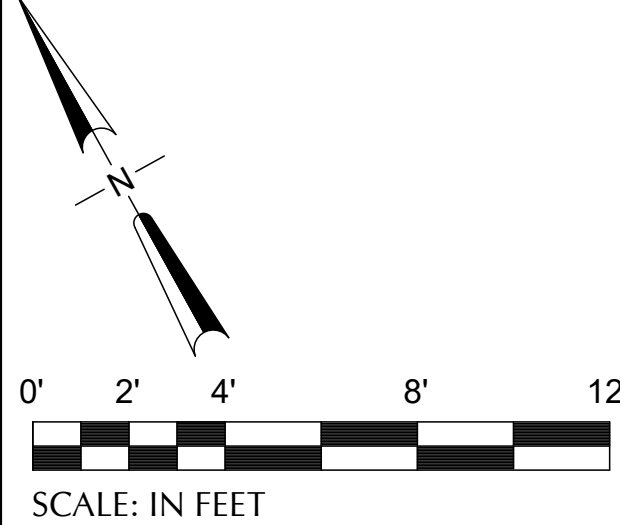
TERMINAL - ENPLANING - SECTOR E5 - T2TD44 - FLOOR PLAN - ELECTRICAL

|                |               |
|----------------|---------------|
| SUBMITTED BY   | BRIAN FRANCIS |
| DESIGNED BY    | A. NGUYEN     |
| DRAWN BY       | A. NGUYEN     |
| CHECKED BY     | J. MUTSCHLER  |
| DATE           | JULY 2026     |
| SHEET NO.      | 136           |
| DRAWING NO.    | PDX 2026-510  |
| TYPE           | CD            |
| DISC. SHT. NO. | E3.05         |





CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.

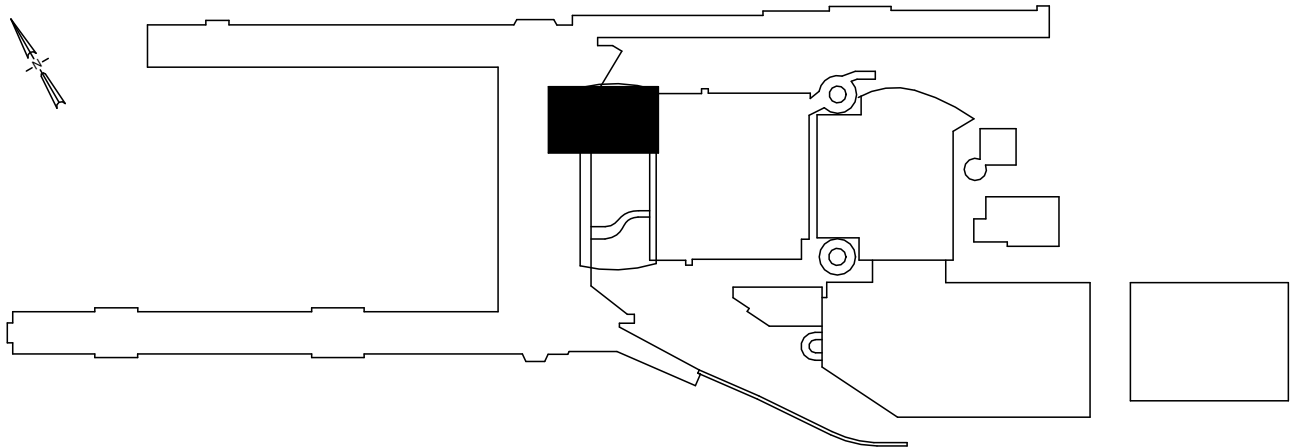


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1 TERMINAL - SECTOR E2 - T2TQ48 - ENPLANING - FLOOR PLAN - ELECTRICAL  
SCALE: 1/4" = 1'-0"



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EXPIRES: 12/31/2026 7/14/26

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

TERMINAL - ENPLANING - SECTOR E2 - T2TQ48 - FLOOR PLAN - ELECTRICAL

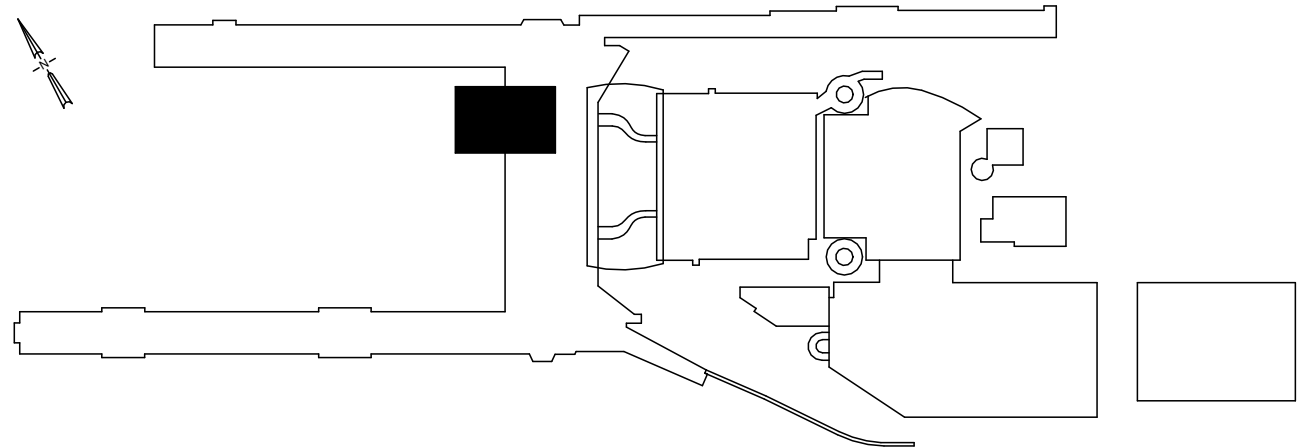
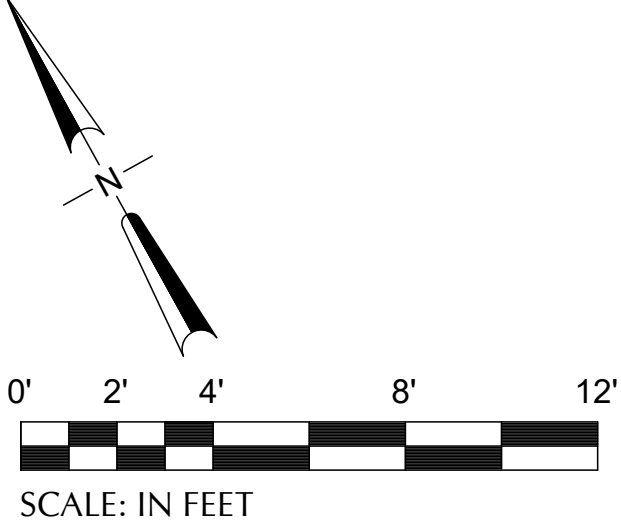
|                |               |
|----------------|---------------|
| SUBMITTED BY   | BRIAN FRANCIS |
| DESIGNED BY    | A. NGUYEN     |
| DRAWN BY       | A. NGUYEN     |
| CHECKED BY     | J. MUTSCHLER  |
| DATE           | JULY 2026     |
| SHEET NO.      | 137           |
| TYPE           | CD            |
| DISC. SHT. NO. | E3.06         |



GRAPHIC SCALE FOR REFERENCE ONLY

0 1/4" 1/2" 1" 2"

DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17"



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1 TERMINAL - SECTOR W - T2TQ66 - ENPLANING - FLOOR PLAN - ELECTRICAL  
SCALE: 1/4" = 1'-0"

[illegible]

|                                                                                                                |                                                                                                                                                                                                            |                                                                                       |
|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  <b>Port of Portland</b>  |                                                                                                                                                                                                            |  |
| <br><b>mwa architects</b> |  <b>PAE</b><br>pae-engineers.com<br>151 SW 1st Avenue #300<br>Portland, OR 97204<br>503.226.2921<br>pae-engineers.com |                                                                                       |
| _____<br>2025D031<br>DESIGN NUMBER                                                                             | _____<br>103101<br>PROJECT NUMBER                                                                                                                                                                          | EXPIRES: 12/31/2026 <span style="float: right;">7/14/26</span>                        |

PORTLAND INTERNATIONAL AIRPORT

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TERMINAL RESTROOM REHABILITATION 2026

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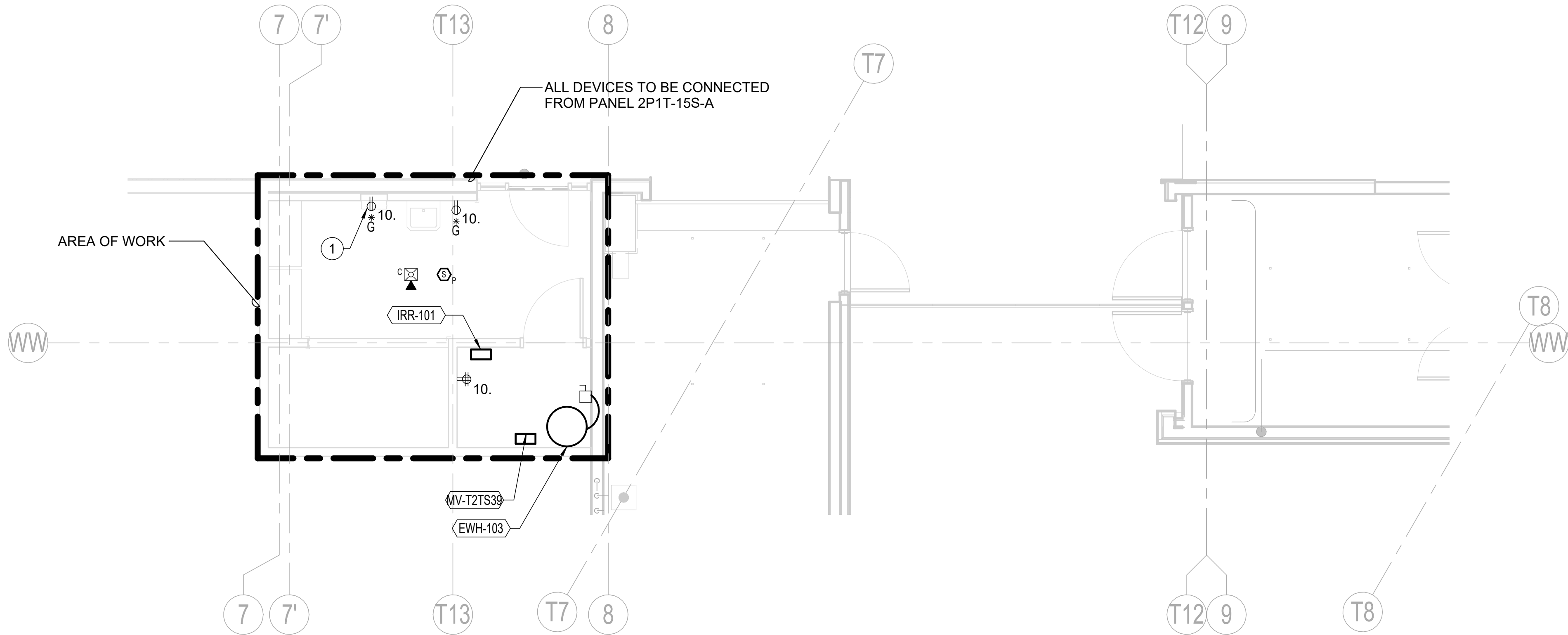
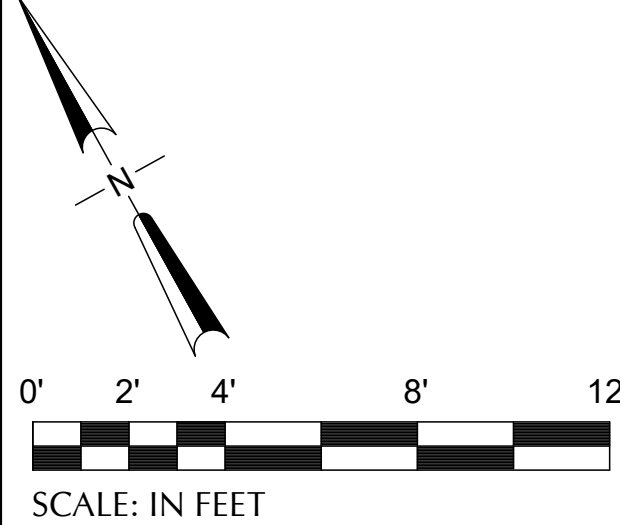
TERMINAL - ENPLANING - SECTOR W - T2TQ66 - FLOOR PLAN - ELECTRICAL

|              |               |      |                         |
|--------------|---------------|------|-------------------------|
| SUBMITTED BY | BRIAN FRANCIS |      |                         |
| DESIGNED BY  | A. NGUYEN     |      |                         |
| DRAWN BY     | A. NGUYEN     |      |                         |
| CHECKED BY   | J. MUTSCHLER  |      |                         |
| DATE         | JULY 2026     |      |                         |
| SHEET NO.    | 138           | TYPE | CD                      |
| DRAWING NO.  | PDX 2026-510  |      | DISC. SHT. NO.<br>E3.07 |





CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.

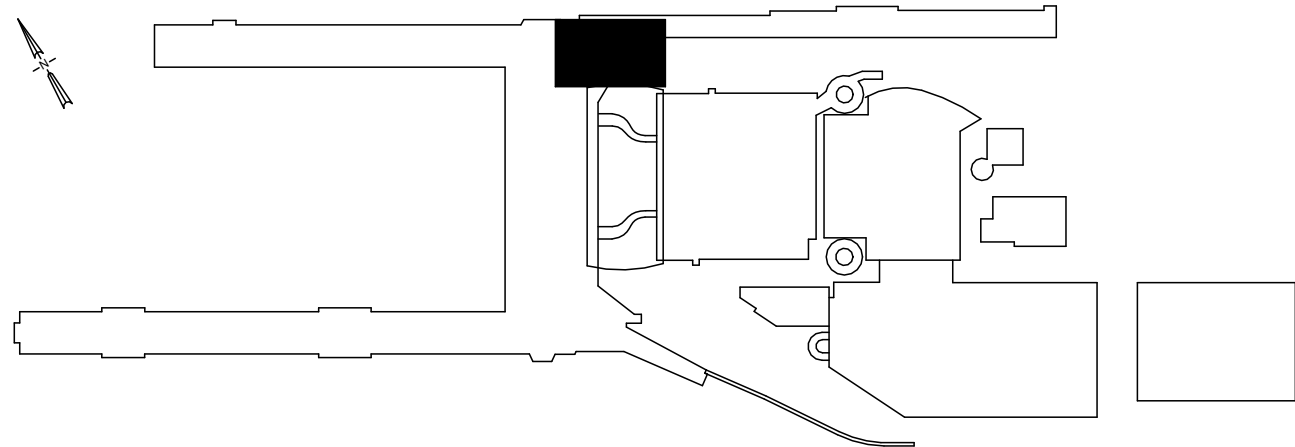


### NOTES

- ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED.
- MECHANICAL AND PLUMBING EQUIPMENT SHOWN ARE FOR REFERENCE ONLY. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATION OF ALL EQUIPMENT.
- THE FIRE ALARM SYSTEM IS A CONTRACTOR DESIGN-BUILD SYSTEM. FIRE ALARM DEVICES SHOWN ARE FOR COORDINATION ONLY. CONTRACTOR SHALL PROVIDE HARDWARE, EQUIPMENT, DEVICES, ACCESSORIES AND ANY ADDITIONAL ITEMS REQUIRED FOR A COMPLETE AND OPERATIONAL CODE COMPLIANT SYSTEM. ALL CONDUIT ROUTING SIZING, CABLING, CALCULATION, ETC ARE ALSO CONTRACTOR DESIGN BUILD. REFER TO SPECIFICATION 284600 FOR ADDITIONAL INFORMATION.

### KEY NOTES #

- PROVIDE DUPLEX RECEPTACLE FOR EACH TOWEL DISPENSER. LOCATE RECEPTACLE DIRECTLY ABOVE EACH DISPENSER BEHIND REMOVABLE WALL PANEL ABOVE MIRROR. PROVIDE CONDUIT IN WALL TO ROUTE CONNECTION TO DISPENSER.



1 TERMINAL - SECTOR E1 - T2TS40 - ENPLANING - FLOOR PLAN - ELECTRICAL  
SCALE: 1/4" = 1'-0"



PAE pae-engineers.com  
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Portland, OR 97204 pae-engineers.com



PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

TERMINAL - ENPLANING - SECTOR E1 - T2TS40 - FLOOR PLAN - ELECTRICAL

|                |               |
|----------------|---------------|
| SUBMITTED BY   | BRIAN FRANCIS |
| DESIGNED BY    | A. NGUYEN     |
| DRAWN BY       | A. NGUYEN     |
| CHECKED BY     | J. MUTSCHLER  |
| DATE           | JULY 2026     |
| SHEET NO.      | 139           |
| TYPE           | CD            |
| DRAWING NO.    | PDX 2026-510  |
| DISC. SHT. NO. | E3.08         |





- ## **NOTES**
1. ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED.
  2. MECHANICAL AND PLUMBING EQUIPMENT SHOWN ARE FOR REFERENCE ONLY. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATION OF ALL EQUIPMENT.

## KEY NOTES

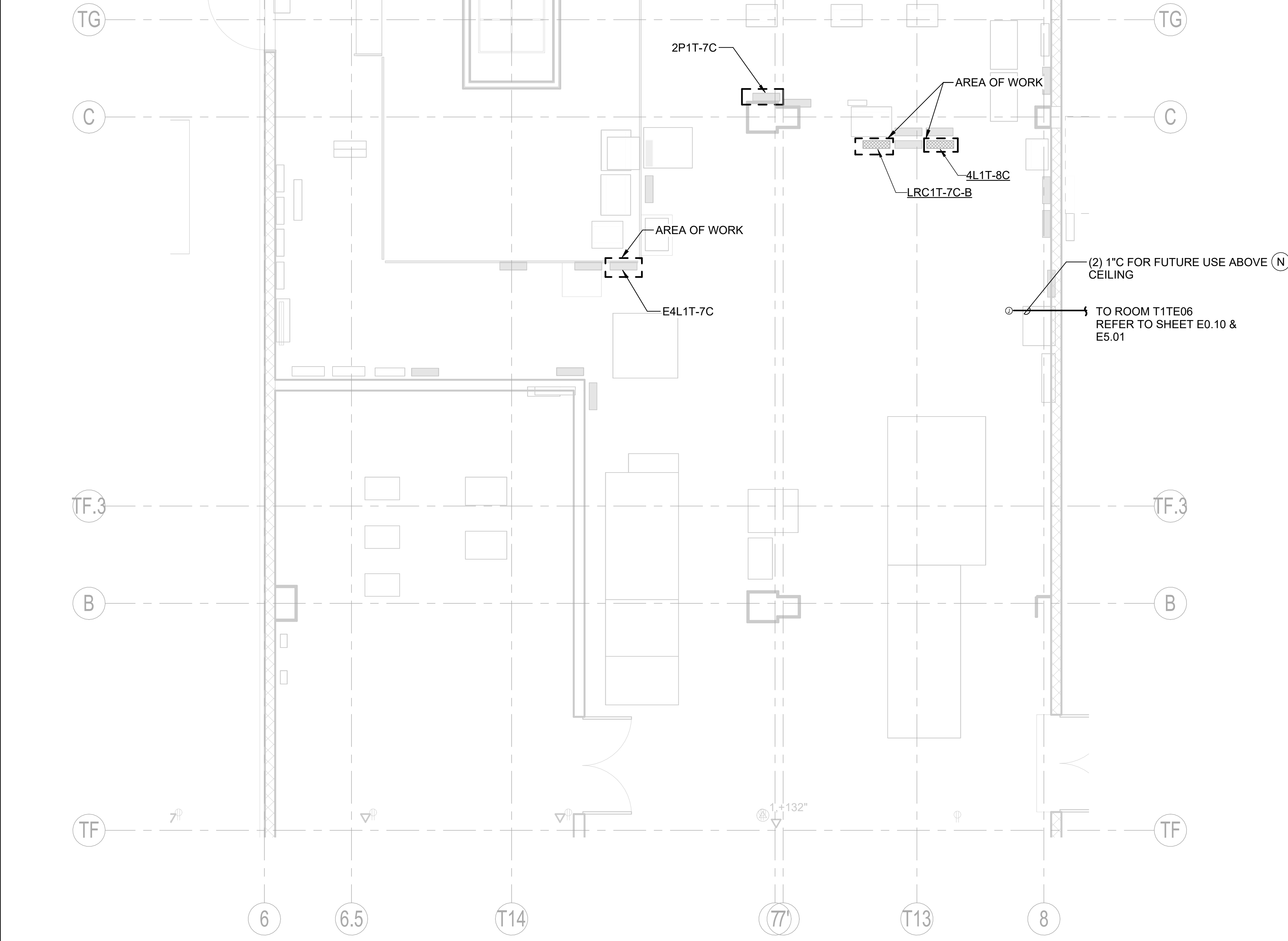
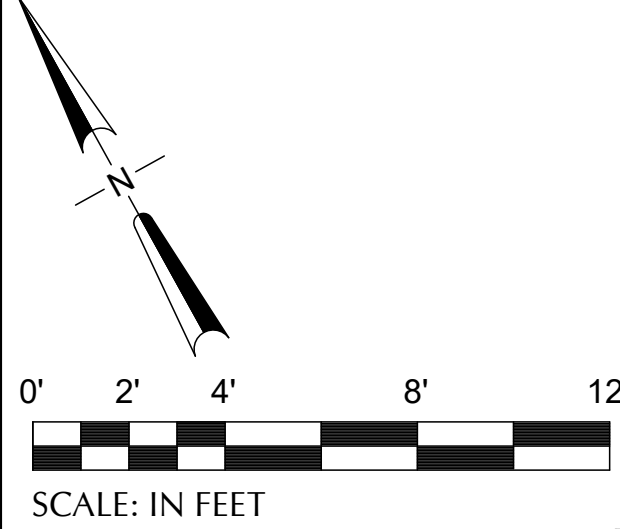
1. EXTEND EXISTING RECEPTACLE  
CIRCUIT TO NEW WEATHERPROOF  
GFCI RECEPTACLE SHOWN.

|                                                                                                                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                                                              |  |                                     |  |  |  |  |  |  |  |                                           |  |
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|                                                                                                                                                    |  |  |  |  |  |  |  |  |  | <div><div> <b>Port of Portland</b></div><div> <b>PAE</b> pae-engineers.com</div><div> <b>mwa architects</b></div><div>151 SW 1st Avenue #300<br/>Portland, OR 97204</div><div>503.226.2921<br/>pae-engineers.com</div></div> <td colspan="10"><div><div></div><div>EXPIRES: 12/31/2026 7/14/26</div></div></td> <td colspan="10"><div><div>PORTLAND INTERNATIONAL AIRPORT</div><div>TERMINAL RESTROOM REHABILITATION 2026</div><div>TERMINAL - ROOF - SECTOR E1 - T2TS40 - ROOF PLAN - ELECTRICAL</div></div></td> <td colspan="2"><div>SUBMITTED BY<br/>BRIAN FRANCIS</div></td> |  |  |  |  |  |  |  |  |  | <div><div></div><div>EXPIRES: 12/31/2026 7/14/26</div></div>  |  |  |  |  |  |  |  |  |  | <div><div>PORTLAND INTERNATIONAL AIRPORT</div><div>TERMINAL RESTROOM REHABILITATION 2026</div><div>TERMINAL - ROOF - SECTOR E1 - T2TS40 - ROOF PLAN - ELECTRICAL</div></div> |  |                                     |  |  |  |  |  |  |  | <div>SUBMITTED BY<br/>BRIAN FRANCIS</div> |  |
|                                                                                                                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                                                    |  |  |  |  |  |  |  |  |  | <div>DESIGNED BY<br/>A. NGUYEN</div>                                                                                                                                         |  |                                     |  |  |  |  |  |  |  |                                           |  |
|                                                                                                                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                                                    |  |  |  |  |  |  |  |  |  | <div>DRAWN BY<br/>A. NGUYEN</div>                                                                                                                                            |  |                                     |  |  |  |  |  |  |  |                                           |  |
|                                                                                                                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                                                    |  |  |  |  |  |  |  |  |  | <div>CHECKED BY<br/>J. MUTSCHLER</div>                                                                                                                                       |  |                                     |  |  |  |  |  |  |  |                                           |  |
|                                                                                                                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                                                    |  |  |  |  |  |  |  |  |  | <div>DATE<br/>JULY 2026</div>                                                                                                                                                |  |                                     |  |  |  |  |  |  |  |                                           |  |
|                                                                                                                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                                                    |  |  |  |  |  |  |  |  |  | <div>SHEET NO.<br/>140</div>                                                                                                                                                 |  | <div>TYPE<br/>CD</div>              |  |  |  |  |  |  |  |                                           |  |
|                                                                                                                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                                                    |  |  |  |  |  |  |  |  |  | <div>DRAWING NO.<br/>PDX 2026-510</div>                                                                                                                                      |  | <div>DISC. SHT. NO.<br/>E3.09</div> |  |  |  |  |  |  |  |                                           |  |
| <div><div><div>NO.</div><div>DATE</div><div>BY</div><div>REVISIONS</div></div><div>NO.</div><div>DATE</div><div>BY</div><div>REVISIONS</div></div> |  |  |  |  |  |  |  |  |  | <div><div><div>NO.</div><div>DATE</div><div>BY</div><div>REVISIONS</div></div><div>NO.</div><div>DATE</div><div>BY</div><div>REVISIONS</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | <div><div><div>NO.</div><div>DATE</div><div>BY</div><div>REVISIONS</div></div><div>NO.</div><div>DATE</div><div>BY</div><div>REVISIONS</div></div> |  |  |  |  |  |  |  |  |  |                                                                                                                                                                              |  |                                     |  |  |  |  |  |  |  |                                           |  |
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CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



- NOTES**
- ALL EQUIPMENT SHOWN IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

**1 ENLARGED PLAN - ELECTRICAL ROOM T1TF33 - ELECTRICAL**  
SCALE: 1/4" = 1'-0"

DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".  
GRAPHIC SCALE FOR REFERENCE ONLY.

| NO. | DATE | BY | REVISIONS | APP. |
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Portland, OR 97204  
503.226.2921  
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2025D031  
DESIGN NUMBER

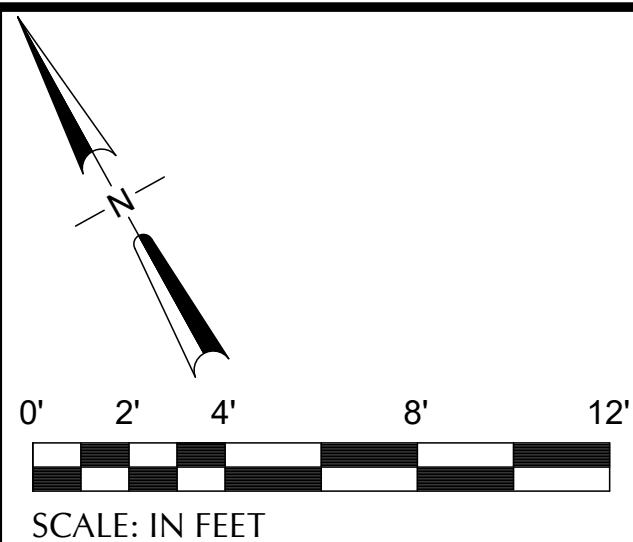
103101  
PROJECT NUMBER



|                                         |  |
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| PORTLAND INTERNATIONAL AIRPORT          |  |
| TERMINAL RESTROOM REHABILITATION 2026   |  |
| SECTIONS & PARTIAL PLANS 1 - ELECTRICAL |  |

|                |               |         |
|----------------|---------------|---------|
| SUBMITTED BY   | BRIAN FRANCIS |         |
| DESIGNED BY    | A. NGUYEN     |         |
| DRAWN BY       | A. NGUYEN     |         |
| CHECKED BY     | J. MUTSCHLER  |         |
| DATE           | JULY 2026     |         |
| SHEET NO.      | 141           | TYPE CD |
| DRAWING NO.    | PDX 2026-510  |         |
| DISC. SHT. NO. | E5.01         |         |





1. ALL EQUIPMENT SHOWN IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

1 ENLARGED PLAN - CORRIDOR C1002 - ELECTRICAL  
SCALE: 1/8" = 1'-0"

2 ENLARGED PLAN - MECHANICAL ROOM C3000 - ELECTRICAL  
SCALE: 1/8" = 1'-0"

[illegible]



# Port of Portland



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Portland, OR 97204

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|                                                                                                                                                                                                                            |  |
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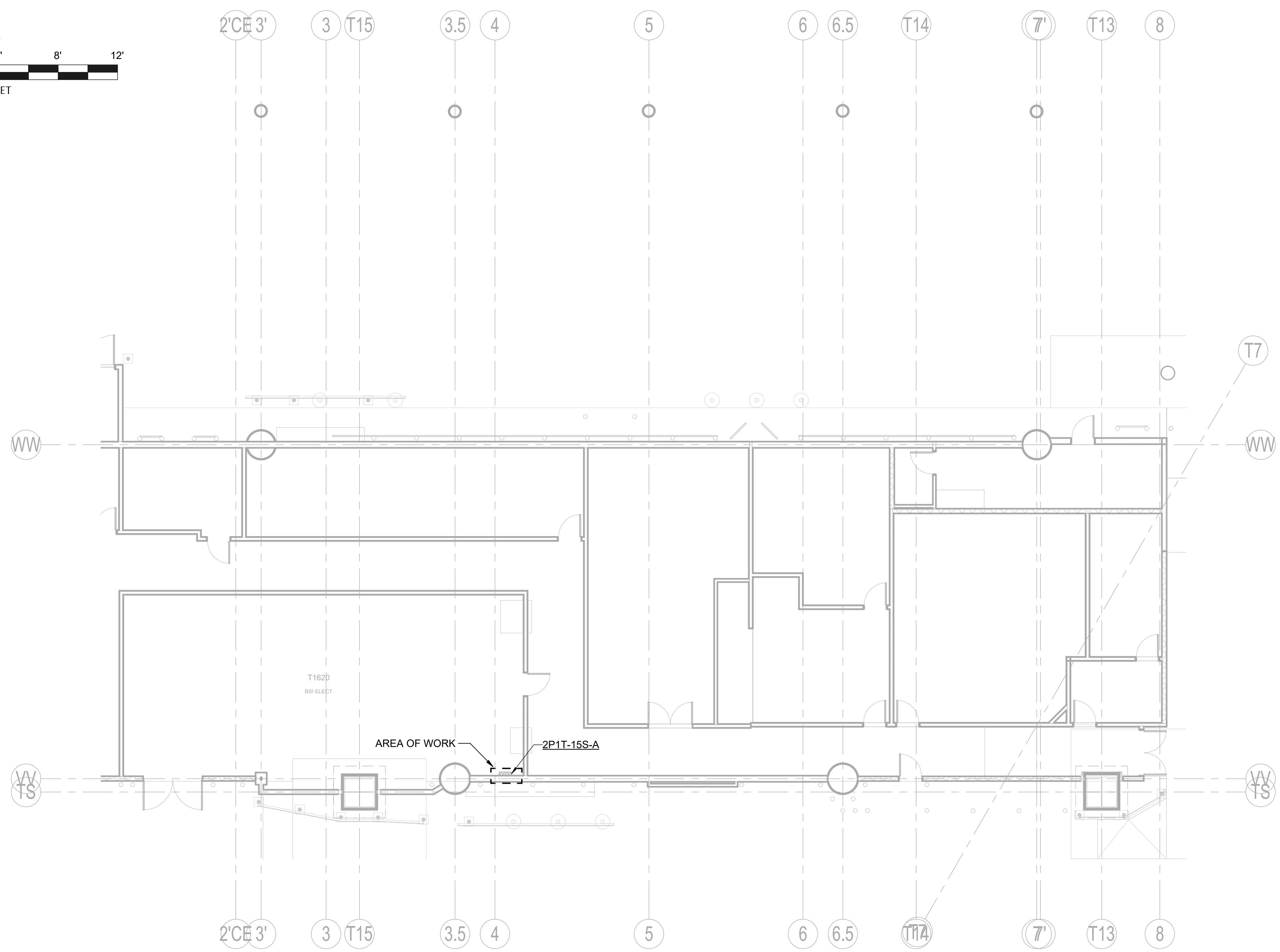
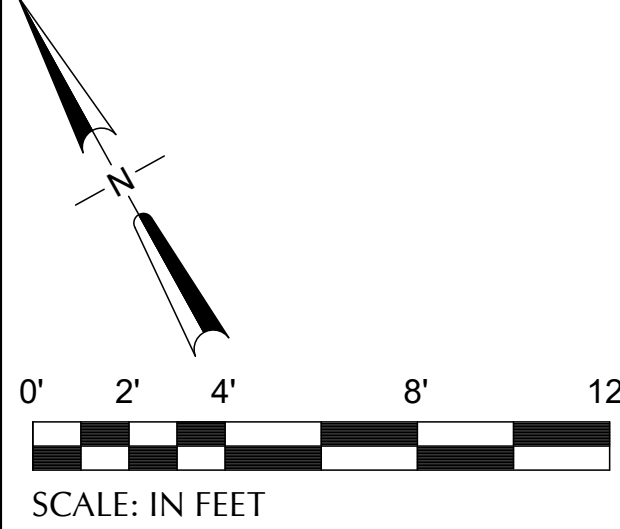
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| PORTLAND INTERNATIONAL AIRPORT          |
| TERMINAL RESTROOM REHABILITATION 2026   |
| SECTIONS & PARTIAL PLANS 2 - ELECTRICAL |

|              |               |      |                         |
|--------------|---------------|------|-------------------------|
| SUBMITTED BY | BRIAN FRANCIS |      |                         |
| DESIGNED BY  | A. NGUYEN     |      |                         |
| DRAWN BY     | A. NGUYEN     |      |                         |
| CHECKED BY   | J. MUTSCHLER  |      |                         |
| DATE         | JULY 2026     |      |                         |
| SHEET NO.    | 142           | TYPE | CD                      |
| DRAWING NO.  | PDX 2026-510  |      | DISC. SHT. NO.<br>E5.02 |





CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



1 ENLARGED PLAN - ELECTRICAL ROOM T1620 - ELECTRICAL  
SCALE: 1/8" = 1'-0"

DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".  
GRAPHIC SCALE FOR REFERENCE ONLY.

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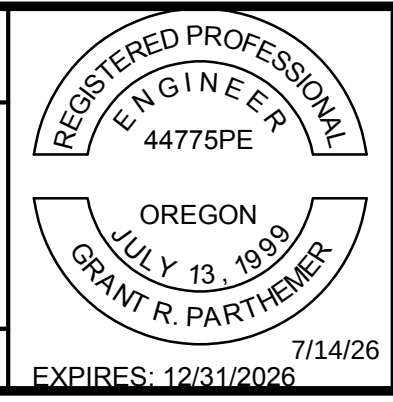


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2025D031  
DESIGN NUMBER

103101  
PROJECT NUMBER



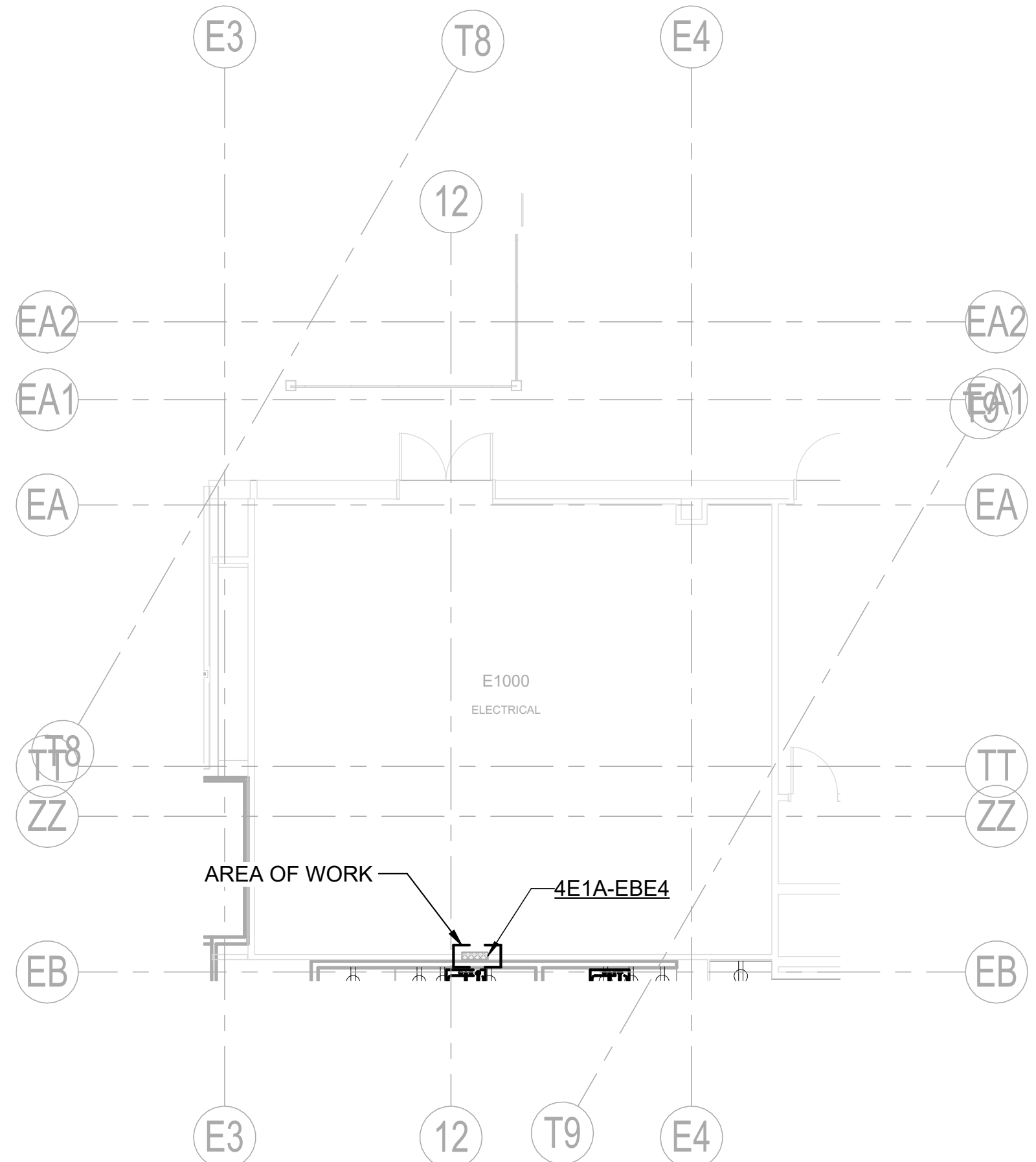
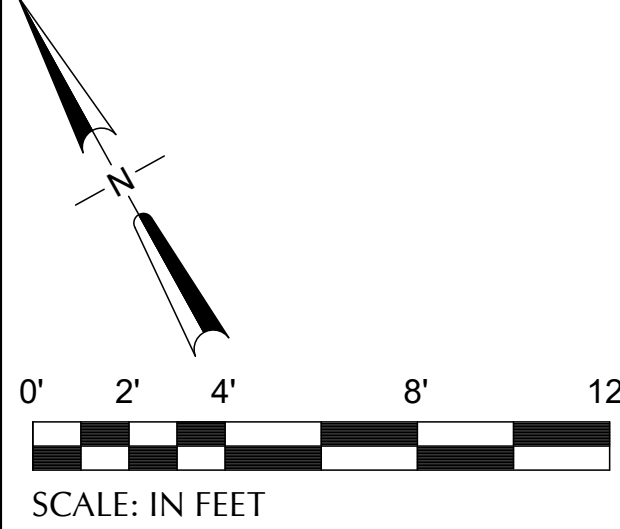
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| PORTLAND INTERNATIONAL AIRPORT          |
| TERMINAL RESTROOM REHABILITATION 2026   |
| SECTIONS & PARTIAL PLANS 3 - ELECTRICAL |

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| SUBMITTED BY   | BRIAN FRANCIS |
| DESIGNED BY    | A. NGUYEN     |
| DRAWN BY       | A. NGUYEN     |
| CHECKED BY     | J. MUTSCHLER  |
| DATE           | JULY 2026     |
| SHEET NO.      | 143           |
| DRAWING NO.    | PDX 2026-510  |
| TYPE           | CD            |
| DISC. SHT. NO. | E5.03         |

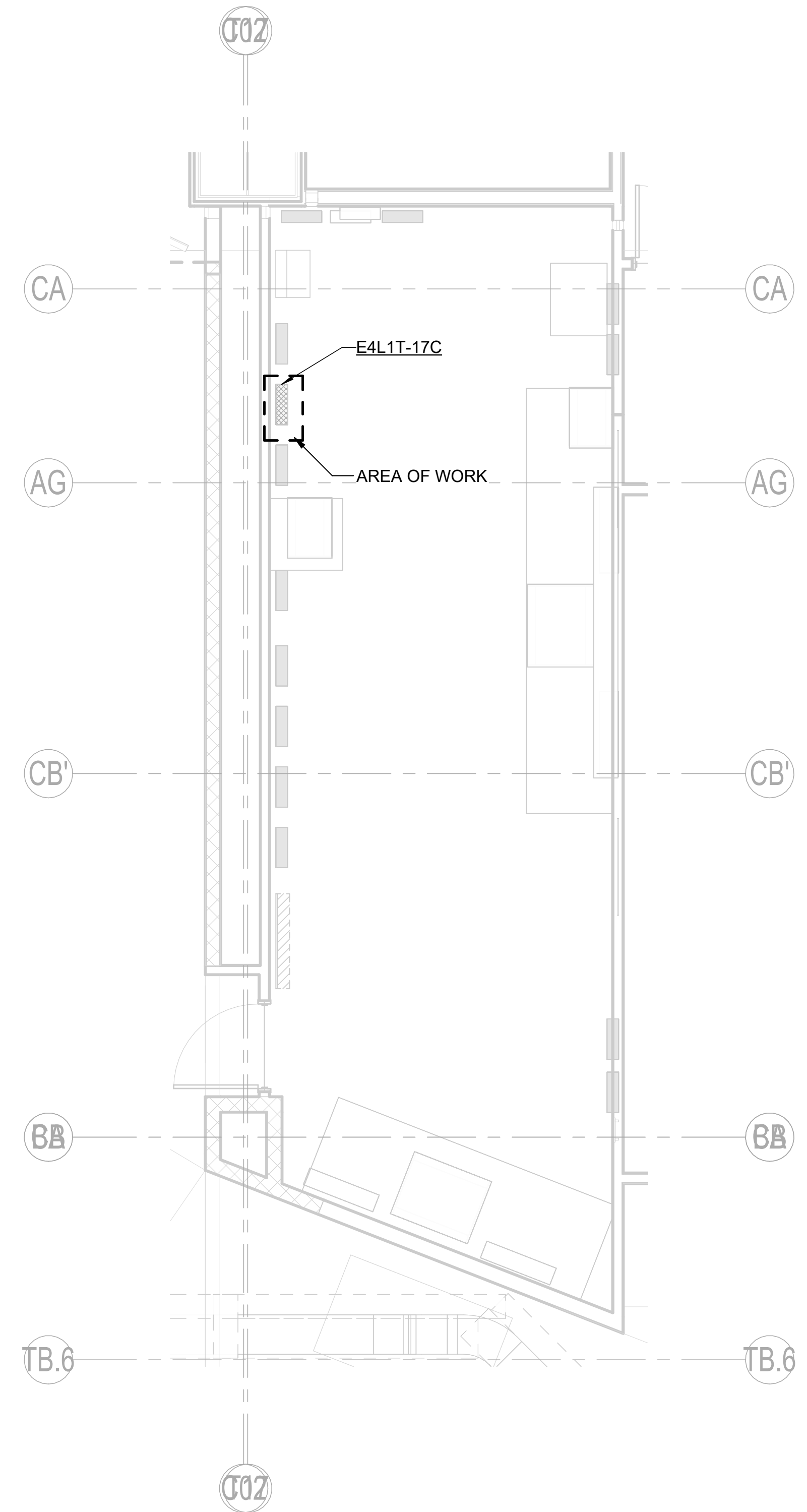




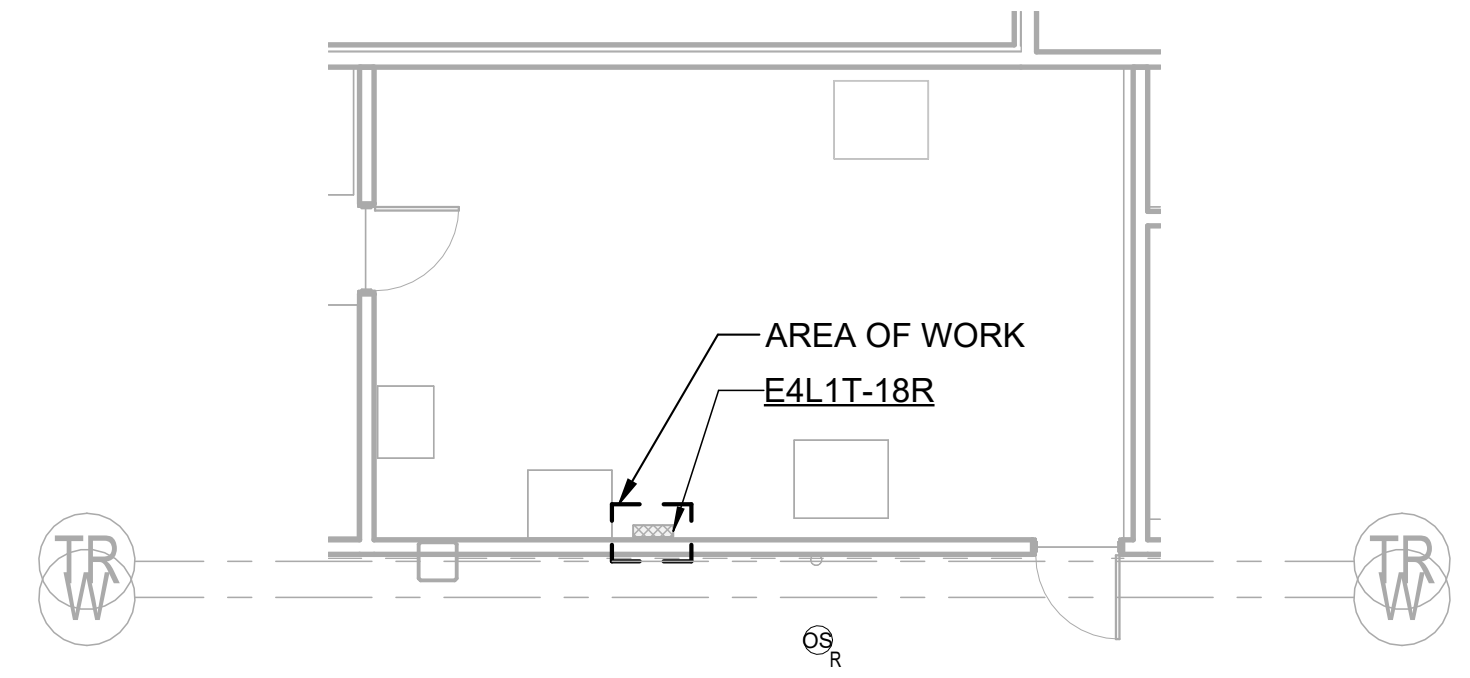
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



1 ENLARGED PLAN - ELECTRICAL ROOM E1000 - ELECTRICAL  
SCALE: 1/8" = 1'-0"



2 ENLARGED PLAN - ELECTRICAL ROOM C10172 - ELECTRICAL  
SCALE: 1/4" = 1'-0"



3 ENLARGED PLAN - ELECTRICAL ROOM T1TR86 - ELECTRICAL  
SCALE: 1/8" = 1'-0"

NOTES

1. ALL EQUIPMENT SHOWN IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".  
0 1/4" 1/2" 1"  
GRAPHIC SCALE FOR REFERENCE ONLY

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2025D031  
DESIGN NUMBER

103101  
PROJECT NUMBER



|                                         |                |               |
|-----------------------------------------|----------------|---------------|
| PORTLAND INTERNATIONAL AIRPORT          | SUBMITTED BY   | BRIAN FRANCIS |
| TERMINAL RESTROOM REHABILITATION 2026   | DESIGNED BY    | A. NGUYEN     |
| SECTIONS & PARTIAL PLANS 4 - ELECTRICAL | DRAWN BY       | A. NGUYEN     |
|                                         | CHECKED BY     | J. MUTSCHLER  |
|                                         | DATE           | JULY 2026     |
|                                         | SHEET NO.      | 144           |
|                                         | TYPE           | CD            |
|                                         | DRAWING NO.    | PDX 2026-510  |
|                                         | DISC. SHT. NO. | E5.04         |

|                |               |
|----------------|---------------|
| SUBMITTED BY   | BRIAN FRANCIS |
| DESIGNED BY    | A. NGUYEN     |
| DRAWN BY       | A. NGUYEN     |
| CHECKED BY     | J. MUTSCHLER  |
| DATE           | JULY 2026     |
| SHEET NO.      | 144           |
| TYPE           | CD            |
| DRAWING NO.    | PDX 2026-510  |
| DISC. SHT. NO. | E5.04         |





|                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <span style="font-size: 24pt; font-weight: bold; vertical-align: middle;">Port of Portland</span> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|  <span style="font-size: 24pt; font-weight: bold;">mwa architects</span>              | <div style="text-align: right;">  <span style="font-weight: bold;">PAE</span><br/>             pae-engineers.com           </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: left;">             151 SW 1st Avenue #300<br/>             Portland, OR 97204           </div> <div style="text-align: right;">             503.226.2921<br/>             pae-engineers.com           </div> </div> |
| <div style="border-bottom: 1px solid black; width: 100%; margin-bottom: 5px;"></div> <span style="font-weight: bold;">2025D031</span><br><span style="font-weight: bold;">DESIGN NUMBER</span>                          | <div style="border-bottom: 1px solid black; width: 100%; margin-bottom: 5px;"></div> <span style="font-weight: bold;">103101</span><br><span style="font-weight: bold;">PROJECT NUMBER</span>                                                                                                                                                                                                                                                                                                                                                                                                   |

REGISTERED PROFESSIONAL  
ENGINEER  
44775PE  
OREGON  
JULY 13, 1999  
GRANT R. PARTHEMER  
7-19-26  
EXPIRES: 12/31/2026

|                                       |
|---------------------------------------|
| PORTLAND INTERNATIONAL AIRPORT        |
| TERMINAL RESTROOM REHABILITATION 2026 |
| LIGHTING CONTROL RISER - ELECTRICAL   |

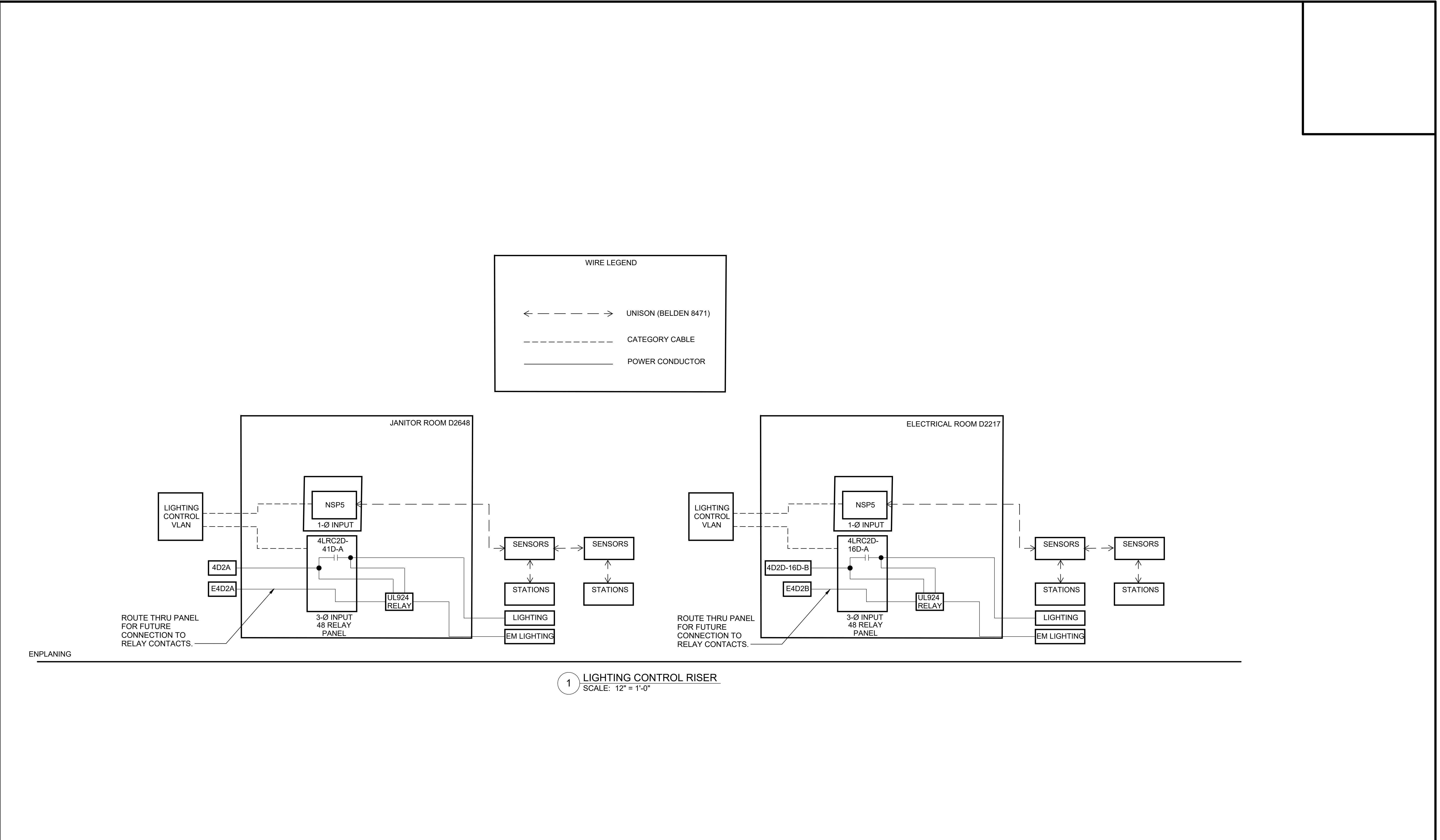
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| SUBMITTED BY | BRIAN FRANCIS |                |    |
| DESIGNED BY  | A. NGUYEN     |                |    |
| DRAWN BY     | A. NGUYEN     |                |    |
| CHECKED BY   | J. MUTSCHLER  |                |    |
| DATE         | JULY 2026     |                |    |
| SHEET NO.    | 145           | TYPE           | CD |
| DRAWING NO.  |               | DISC. SHT. NO. |    |
| PDX 2026-510 |               | E6.01          |    |





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DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".  
0 1/4" = 12"  
GRAPHIC SCALE FOR REFERENCE ONLY



ENPLANING

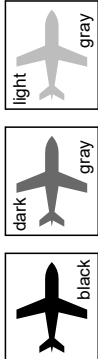
1 LIGHTING CONTROL RISER  
SCALE: 12" = 1'-0"

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| 1                                           | Z2-52-01 | D2647 COMPANION CARE | OS                   | NO                      | NO        | YES                    | NO         | NO               | 4D2A                   | 57        |       |
| 2                                           |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 3                                           |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 4                                           |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 5                                           |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 6                                           |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 7                                           |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 8                                           |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 9                                           |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 10                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 11                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 12                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 13                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 14                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 15                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 16                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 17                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 18                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 19                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 20                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 21                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 22                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 23                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 24                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 25                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 26                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 27                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 28                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 29                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 30                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 31                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 32                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 33                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 34                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 35                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 36                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 37                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 38                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 39                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 40                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 41                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 42                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 43                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 44                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 45                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 46                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 47                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |
| 48                                          |          | SPARE                |                      |                         |           |                        |            |                  |                        |           |       |

[illegible]



# Port of Portland



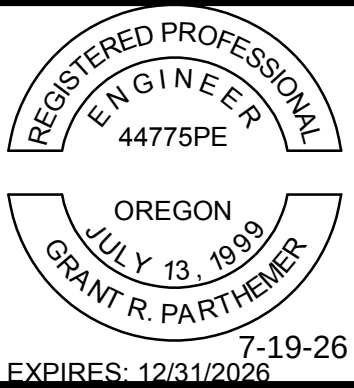
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portland area engineers

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|                           |                          |
|---------------------------|--------------------------|
| 2025D031<br>DESIGN NUMBER | 103101<br>PROJECT NUMBER |
|---------------------------|--------------------------|



PORTLAND INTERNATIONAL AIRPORT

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TERMINAL RESTROOM REHABILITATION 2026

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LIGHTING CONTROL SCHEDULE 2 - ELECTRICAL

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|              |               |      |                         |
|--------------|---------------|------|-------------------------|
| SUBMITTED BY | BRIAN FRANCIS |      |                         |
| DESIGNED BY  | A. NGUYEN     |      |                         |
| DRAWN BY     | A. NGUYEN     |      |                         |
| CHECKED BY   | J. MUTSCHLER  |      |                         |
| DATE         | JULY 2026     |      |                         |
| SHEET NO.    | 147           | TYPE | CD                      |
| DRAWING NO.  | PDX 2026-510  |      | DISC. SHT. NO.<br>E7.02 |





GRAPHIC SCALE-FOR REFERENCE ONLY

0 1/4" 1/2" 1" 2"

1N



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|                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div style="display: flex; justify-content: space-between;"> <span>2025D031</span> <span></span> </div> <div style="display: flex; justify-content: space-between; font-size: small;"> <span>DESIGN NUMBER</span> <span></span> </div> | <div style="display: flex; justify-content: space-between;"> <span>103101</span> <span></span> </div> <div style="display: flex; justify-content: space-between; font-size: small;"> <span>PROJECT NUMBER</span> <span></span> </div> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

PORTLAND INTERNATIONAL AIRPORT

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TERMINAL RESTROOM REHABILITATION 2026

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LIGHTING CONTROL SCHEDULE 3 - ELECTRICAL

PORTLAND INTERNATIONAL AIRPORT

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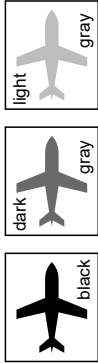
TERMINAL RESTROOM REHABILITATION 2026

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LIGHTING CONTROL SCHEDULE 3 - ELECTRICAL

|              |               |      |                         |
|--------------|---------------|------|-------------------------|
| SUBMITTED BY | BRIAN FRANCIS |      |                         |
| DESIGNED BY  | A. NGUYEN     |      |                         |
| DRAWN BY     | A. NGUYEN     |      |                         |
| CHECKED BY   | J. MUTSCHLER  |      |                         |
| DATE         | JULY 2026     |      |                         |
| SHEET NO.    | 148           | TYPE | CD                      |
| DRAWING NO.  | PDX 2026-510  |      | DISC. SHT. NO.<br>E7.03 |





CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.

| E LIGHTING DIMMING RELAY CABINET 4LDC2T-15E-A |           |                                 |                      |                         |           |                        |            |                  |                        |           |          |
|-----------------------------------------------|-----------|---------------------------------|----------------------|-------------------------|-----------|------------------------|------------|------------------|------------------------|-----------|----------|
| CONTROL AREA                                  |           |                                 | RELAY CONTROL INPUTS |                         |           |                        |            |                  | CIRCUITING INFORMATION |           | KEYNOTES |
| RELAY                                         | ZONE      | DESCRIPTION                     | SENSOR               | SWITCH /CONTROL STATION | PHOTOCELL | DIMMING/ HIGH-END TRIM | TIME CLOCK | EMERGENCY SOURCE | PANEL                  | LOAD (VA) |          |
| 1                                             | Z2-32-01E | T2TD44 COMPANION CARE           | OS                   | YES                     | NO        | YES                    | NO         | YES              | E4L1T-17D              | 47        |          |
| 2                                             | Z2-32-02  | T2TD44 COMPANION CARE           | OS                   | YES                     | NO        | YES                    | NO         | NO               | 4L2T-15E               | 57        |          |
| 3                                             | Z2-31-03E | T2TC66 COMPANION CARE           | OS                   | YES                     | NO        | YES                    | NO         | YES              | E4L1T-17D              | 47        |          |
| 4                                             |           | RESTROOM ALL USER T2TD69        |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 5                                             | Z2-31-05  | T2TC66 COMPANION CARE           | OS                   | YES                     | NO        | YES                    | NO         | NO               | 4L2T-15E               | 57        |          |
| 6                                             |           | RESTROOM ALL USER T2TD69        |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 7                                             |           | SPARE                           |                      |                         |           |                        |            |                  |                        |           |          |
| 8                                             |           | RESTROOM ALL USER T2TD69        |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 9                                             |           | SPARE                           |                      |                         |           |                        |            |                  |                        |           |          |
| 10                                            |           | RESTROOM ENHANCED FAMILY T2TD44 |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 11                                            |           | SPARE                           |                      |                         |           |                        |            |                  |                        |           |          |
| 12                                            |           | RESTROOM ALL USER T2TC45        |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 13                                            |           | SPARE                           |                      |                         |           |                        |            |                  |                        |           |          |
| 14                                            |           | RESTROOM ALL USER T2TD45        |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 15                                            |           | SPARE                           |                      |                         |           |                        |            |                  |                        |           |          |
| 16                                            |           | CIRCULATION T2TC40              |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 17                                            |           | SPARE                           |                      |                         |           |                        |            |                  |                        |           |          |
| 18                                            |           | RESTROOM ALL USER T2TD45        |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 19                                            |           | SPARE                           |                      |                         |           |                        |            |                  |                        |           |          |
| 20                                            |           | LACTATION ROOM T2TD67           |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 21                                            |           | RESTROOM ALL USER T2TD69        |                      |                         |           |                        |            | YES              | E4L3T-17E              |           |          |
| 22                                            |           | RESTROOM ALL USER T2TD69        |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 23                                            |           | RESTROOM ALL USER T2TD45        |                      |                         |           |                        |            | YES              | E4L3T-17E              |           |          |
| 24                                            |           | RESTROOM ALL USER T2TD69        |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 25                                            |           | CIRCULATION T2TD60              |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 26                                            |           | RESTROOM ALL USER T2TD45        |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 27                                            |           | RESTROOM ALL USER T2TD69        |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 28                                            |           | CHECK IN - T2TH40               |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 29                                            |           | RESTROOM FAMILY T2TD66          |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 30                                            |           | CHECK IN - T2TH40               |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 31                                            |           | RESTROOM ALL USER T2TD69        |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 32                                            |           | SPARE                           |                      |                         |           |                        |            |                  |                        |           |          |
| 33                                            |           | RESTROOM FAMILY T2TD66          |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 34                                            |           | CONCESSION SEATING T2TC33       |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 35                                            |           | LACTATION ROOM - T2TD63         |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 36                                            |           | RESTROOM ALL USER - T2TD45      |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 37                                            |           | CIRCULATION T2TD40              |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 38                                            |           | LACTATION ROOM - T2TD43         |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 39                                            |           | CHECK IN - T2TH40               |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 40                                            |           | LACTATION ROOM - T2TD43         |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 41                                            |           | CHECK IN - T2TH40               |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 42                                            |           | RESTROOM ALL USER T2TD45        |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 43                                            |           | RESTROOM ALL USER T2TD69        |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 44                                            |           | RESTROOM ENHANCED FAMILY T2TD44 |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 45                                            |           | RESTROOM ALL USER T2TD69        |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 46                                            |           | RESTROOM ALL USER T2TD45        |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 47                                            |           | CHECK IN - T2TF49               |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |
| 48                                            |           | CHECK IN - T2TF49               |                      |                         |           |                        |            | NO               | 4L2T-15E               |           |          |

KEY NOTES

1. 48 ZONE RELAY PANEL IS EXISTING. MAINTAIN EXISTING CONNECTIONS AND PROVIDE NEW CONNECTIONS SHOWN.

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Portland, OR 97204

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|                                          |  |                |               |
|------------------------------------------|--|----------------|---------------|
| PORTLAND INTERNATIONAL AIRPORT           |  | SUBMITTED BY   | BRIAN FRANCIS |
| TERMINAL RESTROOM REHABILITATION 2026    |  | DESIGNED BY    | A. NGUYEN     |
| LIGHTING CONTROL SCHEDULE 4 - ELECTRICAL |  | DRAWN BY       | A. NGUYEN     |
|                                          |  | CHECKED BY     | J. MUTSCHLER  |
|                                          |  | DATE           | JULY 2026     |
|                                          |  | SHEET NO.      | 149           |
|                                          |  | TYPE           | CD            |
|                                          |  | DRAWING NO.    | PDX 2026-510  |
|                                          |  | DISC. SHT. NO. | E7.04         |





0 1/4" 1/2" 1" 2"  
GRAPHIC SCALE-FOR REFERENCE ONLY

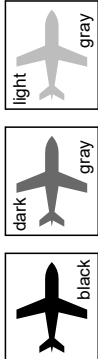
①

1. 48 ZONE RELAY PANEL IS EXISTING. MAINTAIN EXISTING CONNECTIONS AND PROVIDE NEW CONNECTIONS SHOWN.

REGISTERED PROFESSIONAL  
ENGINEER  
44775PE  
OREGON  
JULY 13, 1999  
GRANT R. PARTHEMER  
7-19-26  
EXPIRES: 12/31/2026

|              |               |      |                         |
|--------------|---------------|------|-------------------------|
| SUBMITTED BY | BRIAN FRANCIS |      |                         |
| DESIGNED BY  | A. NGUYEN     |      |                         |
| DRAWN BY     | A. NGUYEN     |      |                         |
| CHECKED BY   | J. MUTSCHLER  |      |                         |
| DATE         | JULY 2026     |      |                         |
| SHEET NO.    | 150           | TYPE | CD                      |
| DRAWING NO.  | PDX 2026-510  |      | DISC. SHT. NO.<br>E7.05 |





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NOTES

1. ALL DEMOLISHED BRANCH CIRCUITS SHALL HAVE EXISTING TURNED OFF AND MARKED AS SPARE IF NO ACTIVE LOAD REMAINS.

|     |                                                    |  |                   |                                |                   |           |   |     |         |      |        |                                                            |                   |       |  |
|-----|----------------------------------------------------|--|-------------------|--------------------------------|-------------------|-----------|---|-----|---------|------|--------|------------------------------------------------------------|-------------------|-------|--|
| (X) | DESIGNATION: 2C3B                                  |  |                   | VOLTAGE(V): 208Y/120V - 3PH-4W |                   |           |   |     |         |      |        | BUS RATING(A): 150                                         |                   |       |  |
|     | AVAILABLE FAULT(A): 2855                           |  | MAIN: Breaker 150 |                                | MOUNTING: Surface |           |   |     |         |      |        |                                                            | ENCLOSURE: NEMA 1 |       |  |
|     | DESCRIPTION                                        |  | DEMAND            | VA                             | BKR A/P           | CKT       |   | CKT | BKR A/P | VA   | DEMAND | DESCRIPTION                                                |                   |       |  |
|     | HOLD ROOMS                                         |  | REC               | 540                            | 20/1              | 1         | A | 2   | 20/1    | 900  | REC    | HOLDROOMS/CONCESS                                          |                   |       |  |
|     | HOLD ROOMS                                         |  | REC               | 540                            | 20/1              | 3         | B | 4   | 20/1    | 720  | REC    | HOLD ROOMS                                                 |                   |       |  |
|     | TELE/LUGGAGE                                       |  | REC               | 720                            | 20/1              | 5         | C | 6   | 20/1    | 500  | REC    | ROOF HALWAY BEHIND C2 ELEV HUNT LEIGH SMART CART EWH-CE203 |                   |       |  |
|     | TOILET ROOMS                                       |  | REC               | 900                            | 20/1              | 7         | A | 8   | 20/1    | 2000 | EQ     |                                                            |                   |       |  |
|     | TOILET ROOMS                                       |  | REC               | 900                            | 20/1              | 9         | B | 10  | 20/1    | 720  | REC    | FLOOR OUTLETS                                              |                   |       |  |
|     | RHWP-1 ROOF                                        |  | EQ                | 750                            | 20/1              | 11        | C | 12  | 20/1    | 720  | REC    | HOLD ROOMS                                                 |                   |       |  |
|     | RCPT                                               |  | REC               | 720                            | 20/1              | 13        | A | 14  | 20/1    | 540  | REC    | HOLD ROOMS                                                 |                   |       |  |
|     | C2037 RECEPT                                       |  | REC               | 720                            | 20/1              | 15        | B | 16  | 20/1    | 750  | EQ     | EWC                                                        |                   |       |  |
|     | CIRCULATION                                        |  | REC               | 720                            | 20/1              | 17        | C | 18  | 20/1    | 750  | EQ     | EWC                                                        |                   |       |  |
|     | MEZZANINE                                          |  | REC               | 720                            | 20/1              | 19        | A | 20  | 20/1    | 500  | EQ     | INFO KIOSK                                                 |                   |       |  |
|     | MEZZANINE                                          |  | REC               | 500                            | 20/1              | 21        | B | 22  | 20/1    | 500  | EQ     | INFO KIOSK                                                 |                   |       |  |
|     | MEZZANINE                                          |  | REC               | 540                            | 20/1              | 23        | C | 24  | 20/1    | 500  | LCL    | CONCESSION STREET LIGHTS                                   |                   |       |  |
|     | MEZZANINE                                          |  | REC               | 540                            | 20/1              | 25        | A | 26  | 20/1    | 1000 | EQ     | AHU-CE301/302                                              |                   |       |  |
|     | UNIT HEATERS                                       |  | EQ                | 1000                           | 20/1              | 27        | B | 28  | 20/1    | 1000 | EQ     | AHU-CE301/302                                              |                   |       |  |
|     | UNKNOWN                                            |  | EQ                | 500                            | 20/1              | 29        | C | 30  | 20/1    | 500  | EQ     | NEON CLOCK                                                 |                   |       |  |
|     | UNKNOWN                                            |  | EQ                | 500                            | 20/1              | 31        | A | 32  | 20/1    | 500  | LCL    | APRON LIGHTING OVERRIDE                                    |                   |       |  |
|     | WAYFINDING SIGNS: FM2-007; 008 / FM3-016; 018; 020 |  | LCL               | 200                            | 20/1              | 33        | B | 34  | 20/1    | 500  | EQ     | DIMMING PANEL                                              |                   |       |  |
|     | WAYFINDING SIGNS: FM3-012; 014                     |  | LCL               | 80                             | 20/1              | 35        | C | 36  | 20/1    | 500  | LCL    | NS "S" FIXTURE                                             |                   |       |  |
|     | SPARE                                              |  |                   | 0                              | 20/1              | 37        | A | 38  | 20/1    | 500  | LCL    | LRC-C3B2 LTG                                               |                   |       |  |
|     | PHONE CARD MACH BY RR                              |  | EQ                | 500                            | 20/1              | 39        | B | 40  |         | 0    |        | SPACE                                                      |                   |       |  |
|     | LRC-C3B2 LTG                                       |  | LCL               | 500                            | 20/1              | 41        | C | 42  | 20/1    | 500  | LCL    | LRC-C3B2 LTG                                               |                   |       |  |
|     | DEMAND CATEGORY                                    |  | A PH(VA)          | B PH(VA)                       | C PH(VA)          | TOTAL(VA) |   |     |         |      |        | TOTAL CONNECTED LOAD VA:                                   |                   | 26190 |  |
|     | EQUIPMENT (EQ)                                     |  | 4000              | 4250                           | 2500              | 10750     |   |     |         |      |        | MAX CONNECTED PHASE AMPS:                                  |                   | 82.1  |  |
|     | LIGHT AND CONT (LCL)                               |  | 1250              | 250                            | 2600              | 4100      |   |     |         |      |        | TOTAL DESIGN LOAD VA:                                      |                   | 25863 |  |
|     | RECEPTACLES (REC)                                  |  | 4097              | 3717                           | 3200              | 11013     |   |     |         |      |        | MAX DESIGN PHASE AMPS:                                     |                   | 77.8  |  |
|     |                                                    |  |                   |                                |                   |           |   |     |         |      |        | NOTES:                                                     |                   |       |  |
|     |                                                    |  |                   |                                |                   |           |   |     |         |      |        |                                                            |                   |       |  |
|     | DESIGN LOAD PHASE SUB-TOTAL                        |  | 9346              | 8217                           | 8300              | 25863     |   |     |         |      |        |                                                            |                   |       |  |

| (E)                         | DESIGNATION: 4A1M |           |          |                   | VOLTAGE(V): 480Y/277V - 3PH-4W |   |        |         |    |        |                           | BUS RATING(A): 225 |       |  |
|-----------------------------|-------------------|-----------|----------|-------------------|--------------------------------|---|--------|---------|----|--------|---------------------------|--------------------|-------|--|
| AVAILABLE FAULT(A): 18476   |                   | MAIN: MLO |          | MOUNTING: Surface |                                |   |        |         |    |        | ENCLOSURE: NEMA 1         |                    |       |  |
| DESCRIPTION                 |                   | DEMAND    | VA       | BKR A/P           | CKT                            |   | CKT    | BKR A/P | VA | DEMAND | DESCRIPTION               |                    |       |  |
| SPARE                       |                   |           | 0        | 20/1              | 1                              | A | 2      | 20/1    | 0  |        | SPARE                     |                    |       |  |
| SPARE                       |                   |           | 0        | 20/1              | 3                              | B | 4      | 20/1    | 0  |        | SPARE                     |                    |       |  |
| LIGHTS IN MECH ROOM 1330    |                   | LCL       | 1200     | 20/1              | 5                              | C | 6      | 20/1    | 0  |        | SPARE                     |                    |       |  |
| LIGHTS 1822                 |                   | LCL       | 1100     | 20/1              | 7                              | A | 8      | 20/1    | 0  |        | SPARE                     |                    |       |  |
| LIGHTS 1822                 |                   | LCL       | 1000     | 20/1              | 9                              | B | 10     | 20/1    | 0  |        | SPARE                     |                    |       |  |
| LIGHTS 1822                 |                   | LCL       | 1000     | 20/1              | 11                             | C | 12     | 20/1    | 0  |        | SPARE                     |                    |       |  |
| LIGHTS 1822                 |                   | LCL       | 1000     | 20/1              | 13                             | A | 14     | 20/1    | 0  |        | SPARE                     |                    |       |  |
| LIGHTS 1732 1733            |                   | LCL       | 1000     | 20/1              | 15                             | B | 16     | 20/1    | 0  |        | SPARE                     |                    |       |  |
| BATHROOMS DEPLANE           |                   | LCL       | 1000     | 20/1              | 17                             | C | 18     | 20/1    | 0  |        | SPARE                     |                    |       |  |
| BAG CLAIM #3 & RM1040 LOBBY |                   | LCL       | 1000     | 20/1              | 19                             | A | 20     | 20/1    | 0  |        | SPARE                     |                    |       |  |
| BAG CLAIM                   |                   | LCL       | 1000     | 20/1              | 21                             | B | 22     | 20/1    | 0  |        | SPARE                     |                    |       |  |
| BAG CLAIM                   |                   | LCL       | 1000     | 20/1              | 23                             | C | 24     | 20/1    | 0  |        | SPARE                     |                    |       |  |
| LTS 2&3                     |                   | LCL       | 1000     | 20/1              | 25                             | A | 26     | 20/1    | 0  |        | SPARE                     |                    |       |  |
| SOFFIT LTS 3                |                   | LCL       | 1000     | 20/1              | 27                             | B | 28     | 20/1    | 0  |        | SPARE                     |                    |       |  |
| SPARE                       |                   |           | 0        | 20/1              | 29                             | C | 30     | 20/1    | 0  |        | SPARE                     |                    |       |  |
| SPARE                       |                   |           | 0        | 20/1              | 31                             | A | 32     | 20/1    | 0  |        | SPARE                     |                    |       |  |
| SPARE                       |                   |           | 0        | 20/1              | 33                             | B | 34     | 20/1    | 0  |        | SPARE                     |                    |       |  |
| SPARE                       |                   |           | 0        | 20/1              | 35                             | C | 36     | 20/1    | 0  |        | SPARE                     |                    |       |  |
| TEMP PWR SKID               |                   | EQ        | 13850    | 100/3             | 37                             | A | 38     | 20/1    | 0  |        | SPARE                     |                    |       |  |
|                             |                   |           | 13850    |                   | 39                             | B | 40     | 20/1    | 0  |        | SPARE                     |                    |       |  |
|                             |                   |           | 13850    |                   | 41                             | C | 42     | 20/1    | 0  |        | SPARE                     |                    |       |  |
| DEMAND CATEGORY             |                   | A PH(VA)  | B PH(VA) | C PH(VA)          | TOTAL(VA)                      |   | NOTES: |         |    |        | TOTAL CONNECTED LOAD VA:  |                    | 52850 |  |
| EQUIPMENT (EQ)              |                   | 13850     | 13850    | 13850             | 41550                          |   |        |         |    |        | MAX CONNECTED PHASE AMPS: |                    | 65.1  |  |
| LIGHT AND CONT (LCL)        |                   | 5125      | 3750     | 5250              | 14125                          |   |        |         |    |        | TOTAL DESIGN LOAD VA:     |                    | 55675 |  |
|                             |                   |           |          |                   |                                |   |        |         |    |        | MAX DESIGN PHASE AMPS:    |                    | 68.9  |  |
|                             |                   |           |          |                   |                                |   |        |         |    |        |                           |                    |       |  |
|                             |                   |           |          |                   |                                |   |        |         |    |        |                           |                    |       |  |
| DESIGN LOAD PHASE SUB-TOTAL |                   | 18975     | 17600    | 19100             | 55675                          |   |        |         |    |        |                           |                    |       |  |

2C3B

4A1M





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Portland, OR 97204

503.226.2921  
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2025D031  
DESIGN NUMBER

103101  
PROJECT NUMBER

REGISTERED PROFESSIONAL  
ENGINEER  
44775PE

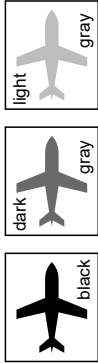
OREGON  
JULY 13, 1999  
GRANT R. PARTHEMER

7-19-26  
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT  
TERMINAL RESTROOM REHABILITATION 2026  
DEMO PANEL SCHEDULES 1 - ELECTRICAL

|              |               |                |
|--------------|---------------|----------------|
| SUBMITTED BY | BRIAN FRANCIS |                |
| DESIGNED BY  | A. NGUYEN     |                |
| DRAWN BY     | A. NGUYEN     |                |
| CHECKED BY   | J. MUTSCHLER  |                |
| DATE         | JULY 2026     |                |
| SHEET NO.    | 151           | TYPE CD        |
| DRAWING NO.  |               | DISC. SHT. NO. |
| PDX 2026-510 |               | E8.01          |





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NOTES

1. ALL DEMOLISHED BRANCH CIRCUITS SHALL HAVE EXISTING TURNED OFF AND MARKED AS SPARE IF NO ACTIVE LOAD REMAINS.

| DESIGNATION: 4D2A                    |  |           |          | VOLTAGE(V): 480Y/277V - 3PH-4W |           |   |     |         |      |                           |                                    | BUS RATING(A): 225 |  |
|--------------------------------------|--|-----------|----------|--------------------------------|-----------|---|-----|---------|------|---------------------------|------------------------------------|--------------------|--|
| AVAILABLE FAULT(A): 8295             |  | MAIN: MLO |          | MOUNTING: Surface              |           |   |     |         |      |                           |                                    | ENCLOSURE: NEMA 1  |  |
| DESCRIPTION                          |  | DEMAND    | VA       | BKR A/P                        | CKT       |   | CKT | BKR A/P | VA   | DEMAND                    | DESCRIPTION                        |                    |  |
| WEST WASH UPPER COVE                 |  | LCL       | 2320     | 20/1                           | 1         | A | 2   | 20/1    | 3480 | LCL                       | LIGHTS D2684                       |                    |  |
| EAST WASH LTS UPPER COVE LTS         |  | LCL       | 2320     | 20/1                           | 3         | B | 4   | 20/1    | 2760 | LCL                       | LIGHTS D2684                       |                    |  |
| LIGHTS D2600B EAST WASH              |  | LCL       | 1680     | 20/1                           | 5         | C | 6   | 20/1    | 2238 | LCL                       | LIGHTS D2688 LITES ABOVE D-12 D-14 |                    |  |
| LIGHTS D2600B UPPER COVE LTS         |  | LCL       | 1680     | 20/1                           | 7         | A | 8   | 20/1    | 3500 | LCL                       | LIGHTS D2670                       |                    |  |
| LIGHTS D2646                         |  | LCL       | 1480     | 20/1                           | 9         | B | 10  | 20/1    | 560  | LCL                       | LIGHTS D2620                       |                    |  |
| LIGHTS D2600B CENTER AISLE STRIP LTS |  | LCL       | 2640     | 20/1                           | 11        | C | 12  | 20/1    | 640  | LCL                       | LIGHTS D2620                       |                    |  |
| LIGHTS D2600B                        |  | LCL       | 1920     | 20/1                           | 13        | A | 14  | 20/1    | 1240 | LCL                       | LIGHTS D2600A                      |                    |  |
| LIGHTS D2600B                        |  | LCL       | 1920     | 20/1                           | 15        | B | 16  | 20/1    | 1520 | LCL                       | BAG CLAIM SIGN                     |                    |  |
| FIB CHECKPOINT LTG                   |  | LCL       | 1500     | 20/1                           | 17        | C | 18  | 20/1    | 2760 | LCL                       | BAG CLAIM SIGN                     |                    |  |
| FPC                                  |  | EQ        | 3435     | 20/1                           | 19        | A | 20  | 20/3    | 500  | EQ                        | D-10 FOLDING DOOR                  |                    |  |
| FPC                                  |  | EQ        | 2100     | 20/1                           | 21        | B | 22  |         | 500  |                           |                                    |                    |  |
| FPC                                  |  | EQ        | 3700     | 20/1                           | 23        | C | 24  |         | 500  |                           |                                    |                    |  |
| FPC                                  |  | EQ        | 2770     | 20/1                           | 25        | A | 26  | 20/3    | 500  | EQ                        | ROLL UP DOOR                       |                    |  |
| FPC                                  |  | EQ        | 2963     | 20/1                           | 27        | B | 28  |         | 500  |                           |                                    |                    |  |
| FPC                                  |  | EQ        | 2500     | 20/1                           | 29        | C | 30  |         | 500  |                           |                                    |                    |  |
| FPC                                  |  | EQ        | 2963     | 20/1                           | 31        | A | 32  | 20/1    | 500  | EQ                        | D-11 FOLDING DOOR                  |                    |  |
| FPC                                  |  | EQ        | 2963     | 20/1                           | 33        | B | 34  | 20/1    | 500  | EQ                        | D-11 FOLDING DOOR                  |                    |  |
| FPC                                  |  | EQ        | 2493     | 20/1                           | 35        | C | 36  | 20/1    | 500  | EQ                        | D-11 FOLDING DOOR                  |                    |  |
| FPC                                  |  | EQ        | 2963     | 20/1                           | 37        | A | 38  | 70/3    | 0    |                           | PANEL 2D2A                         |                    |  |
| FPC                                  |  | EQ        | 2963     | 20/1                           | 39        | B | 40  |         | 0    |                           |                                    |                    |  |
| FPC                                  |  | EQ        | 2493     | 20/1                           | 41        | C | 42  |         | 0    |                           |                                    |                    |  |
| DEMAND CATEGORY                      |  | A PH(VA)  | B PH(VA) | C PH(VA)                       | TOTAL(VA) |   |     |         |      | TOTAL CONNECTED LOAD VA:  |                                    | 100094             |  |
| (None)                               |  | 11650     | 10912    | 8850                           | 31412     |   |     |         |      | MAX CONNECTED PHASE AMPS: |                                    | 133.8              |  |
| EQUIPMENT (EQ)                       |  | 13631     | 12489    | 12686                          | 38806     |   |     |         |      | TOTAL DESIGN LOAD VA:     |                                    | 115416             |  |
| LIGHT AND CONT (LCL)                 |  | 17675     | 13200    | 14323                          | 45198     |   |     |         |      | MAX DESIGN PHASE AMPS:    |                                    | 155.0              |  |
|                                      |  |           |          |                                |           |   |     |         |      | NOTES:                    |                                    |                    |  |
|                                      |  |           |          |                                |           |   |     |         |      |                           |                                    |                    |  |
| DESIGN LOAD PHASE SUB-TOTAL          |  | 42956     | 36602    | 35859                          | 115416    |   |     |         |      |                           |                                    |                    |  |

| E                           | DESIGNATION: E4D2B |           |          |                   | VOLTAGE(V): 480Y/277V - 3PH-4W |     |         |      |        |                   | BUS RATING(A): 225                 |  |       |
|-----------------------------|--------------------|-----------|----------|-------------------|--------------------------------|-----|---------|------|--------|-------------------|------------------------------------|--|-------|
| AVAILABLE FAULT(A): 9611    |                    | MAIN: MLO |          | MOUNTING: Surface |                                |     |         |      |        | ENCLOSURE: NEMA 1 |                                    |  |       |
| DESCRIPTION                 |                    | DEMAND    | VA       | BKR A/P           | CKT                            | CKT | BKR A/P | VA   | DEMAND | DESCRIPTION       |                                    |  |       |
| SUMP PUMP EAST TUNNEL       |                    | EQ        | 166      | 15/3              | 1                              | A   | 2       | 15/3 | 166    | EQ                | SUMP PUMP WEST TUNNEL              |  |       |
|                             |                    |           | 166      |                   | 3                              | B   | 4       |      | 166    |                   |                                    |  |       |
|                             |                    |           | 166      |                   | 5                              | C   | 6       |      | 166    |                   |                                    |  |       |
| LIGHTING TUNNEL             |                    | LCL       | 1710     | 20/1              | 7                              | A   | 8       | 20/1 | 1650   | LCL               | LTG ENPLANING CENTER               |  |       |
| LIGHTING WEST BAG ROAD      |                    | LCL       | 500      | 20/1              | 9                              | B   | 10      | 20/1 | 1600   | LCL               | LTG ENPLANING CENTER               |  |       |
| LIGHTING WEST MEZZ          |                    | LCL       | 1080     | 20/1              | 11                             | C   | 12      | 20/1 | 1325   | LCL               | LTG ENPLANING WEST                 |  |       |
| DELTA EMER LTS EXITS        |                    | LCL       | 1920     | 20/1              | 13                             | A   | 14      | 20/1 | 1940   | LCL               | LIGHTING CIRCULATION/CEILING LTS E |  |       |
| TRANS. E2P1D-11DB           |                    |           | 0        | 50/3              | 15                             | B   | 16      | 20/1 | 1680   | LCL               | LIGHTING CIRCULATION/CEILING LTS W |  |       |
|                             |                    |           | 0        |                   | 17                             | C   | 18      | 20/1 | 200    | LCL               | LRC-D2B                            |  |       |
|                             |                    |           | 0        |                   | 19                             | A   | 20      | 20/1 | 1000   | LCL               | LTS D2221 D2222 D2223              |  |       |
| D1073 LIGHTING              |                    | LCL       | 1000     | 20/1              | 21                             | B   | 22      | 20/1 | 0      |                   | SPARE                              |  |       |
| SPARE                       |                    |           | 0        | 20/1              | 23                             | C   | 24      | 20/1 | 0      |                   | SPARE                              |  |       |
| SPARE                       |                    |           | 0        | 20/1              | 25                             | A   | 26      | 20/1 | 0      |                   | SPARE                              |  |       |
| SPARE                       |                    |           | 0        | 20/1              | 27                             | B   | 28      | 20/1 | 0      |                   | SPARE                              |  |       |
| SPARE                       |                    |           | 0        | 20/1              | 29                             | C   | 30      | 20/1 | 0      |                   | SPARE                              |  |       |
| TRANSFORMER E2D1A           |                    |           | 0        | 30/3              | 31                             | A   | 32      | 30/3 | 0      |                   | AMERICAN EM TRANS (D1106)          |  |       |
|                             |                    |           | 0        |                   | 33                             | B   | 34      |      | 0      |                   |                                    |  |       |
|                             |                    |           | 0        |                   | 35                             | C   | 36      |      | 0      |                   |                                    |  |       |
| PNL CROPS DELTA COMM        |                    |           | 0        | 60/3              | 37                             | A   | 38      | 50/3 | 0      |                   | TRANSFORMER E2D2B **               |  |       |
|                             |                    |           | 0        |                   | 39                             | B   | 40      |      | 0      |                   |                                    |  |       |
|                             |                    |           | 0        |                   | 41                             | C   | 42      |      | 0      |                   |                                    |  |       |
| DEMAND CATEGORY             |                    | A PH(VA)  | B PH(VA) | C PH(VA)          | TOTAL(VA)                      |     | NOTES:  |      |        |                   | TOTAL CONNECTED LOAD VA:           |  | 41871 |
| (None)                      |                    | 8975      | 11100    | 11513             | 31588                          |     |         |      |        |                   | MAX CONNECTED PHASE AMPS:          |  | 56.8  |
| EQUIPMENT (EQ)              |                    | 332       | 332      | 332               | 996                            |     |         |      |        |                   | TOTAL DESIGN LOAD VA:              |  | 52090 |
| LIGHT AND CONT (LCL)        |                    | 10275     | 5975     | 3256              | 19506                          |     |         |      |        |                   | MAX DESIGN PHASE AMPS:             |  | 70.7  |
|                             |                    |           |          |                   |                                |     |         |      |        |                   |                                    |  |       |
| DESIGN LOAD PHASE SUB-TOTAL |                    | 19582     | 17407    | 15101             | 52090                          |     |         |      |        |                   |                                    |  |       |

4D2A E4D2B



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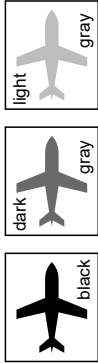
DEMO PANEL SCHEDULES 3 - ELECTRICAL

|                |               |
|----------------|---------------|
| SUBMITTED BY   | BRIAN FRANCIS |
| DESIGNED BY    | A. NGUYEN     |
| DRAWN BY       | A. NGUYEN     |
| CHECKED BY     | J. MUTSCHLER  |
| DATE           | JULY 2026     |
| SHEET NO.      | 153           |
| TYPE           | CD            |
| DISC. SHT. NO. | E8.03         |

2025D031  
DESIGN NUMBER

103101  
PROJECT NUMBER





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NOTES

1. ALL DEMOLISHED BRANCH CIRCUITS SHALL HAVE EXISTING TURNED OFF AND MARKED AS SPARE IF NO ACTIVE LOAD REMAINS.

| DESIGNATION: 4C3B                    |  |           |          | VOLTAGE(V): 480Y/277V - 3PH-4W |           |   |     |         |      |                           |                        | BUS RATING(A): 250 |  |
|--------------------------------------|--|-----------|----------|--------------------------------|-----------|---|-----|---------|------|---------------------------|------------------------|--------------------|--|
| AVAILABLE FAULT(A): 16240            |  | MAIN: MLO |          | MOUNTING: Surface              |           |   |     |         |      |                           |                        | ENCLOSURE: NEMA 1  |  |
| DESCRIPTION                          |  | DEMAND    | VA       | BKR A/P                        | CKT       |   | CKT | BKR A/P | VA   | DEMAND                    | DESCRIPTION            |                    |  |
| MEZZANINE**                          |  |           | 1060     | 20/1                           | 1         | A | 2   | 20/1    | 2350 |                           | LRC-C3B A B C**        |                    |  |
| ENPLANING NE**                       |  |           | 845      | 20/1                           | 3         | B | 4   | 20/1    | 2210 |                           | LRC-C3B D**            |                    |  |
| ENPLANING NW** C-18 WRR C2042        |  |           | 1620     | (N) 20/1                       | 5         | C | 6   | 20/1    | 2600 |                           | LRC-C3B E**            |                    |  |
| ENPLANING CCC NW 4RC2C-42B-A RLY 1:4 |  |           | 1747     | 20/1                           | 7         | A | 8   | 20/1    | 1765 |                           | LRC-C3B F G**          |                    |  |
| LRC-C3B J N. APRON**                 |  |           | 465      | 20/2                           | 9         | B | 10  | 20/1    | 2550 |                           | LRC-C3B H I**          |                    |  |
|                                      |  |           | 465      |                                | 11        | C | 12  | 20/2    | 465  |                           | LRC-C3B P N. APRON**   |                    |  |
| LRC-C3B K N. APRON**                 |  |           | 465      | 20/2                           | 13        | A | 14  |         | 465  |                           |                        |                    |  |
|                                      |  |           | 465      |                                | 15        | B | 16  | 20/2    | 465  |                           | LRC-C3B Q N. APRON**   |                    |  |
| LRC-C3B L N. APRON**                 |  |           | 465      | 20/2                           | 17        | C | 18  |         | 465  |                           |                        |                    |  |
|                                      |  |           | 465      |                                | 19        | A | 20  | 20/2    | 465  |                           | LRC-C3B R N. APRON**   |                    |  |
| LRC-C3B M N. APRON**                 |  |           | 465      | 20/2                           | 21        | B | 22  |         | 465  |                           |                        |                    |  |
|                                      |  |           | 465      |                                | 23        | C | 24  | 20/1    | 1500 |                           | LRC-C3B S T N. APRON** |                    |  |
| LRC-C3B N N. APRON**                 |  |           | 465      | 20/2                           | 25        | A | 26  | 20/1    | 100  |                           | APRON LIGHTING CONTROL |                    |  |
|                                      |  |           | 465      |                                | 27        | B | 28  | 20/1    | 100  |                           | WATCH KEEPER PANEL     |                    |  |
| NORTH WALL AD SIGNS                  |  |           | 0        | 20/1                           | 29        | C | 30  | 20/1    | 1500 |                           | WALL SIGNAGE N.E. **   |                    |  |
| SPACE                                |  |           | 0        | 20/1                           | 31        | A | 32  | 20/1    | 0    |                           | SPARE                  |                    |  |
| SPARE                                |  |           | 0        | 20/1                           | 33        | B | 34  | 20/1    | 0    |                           | SPARE                  |                    |  |
| SPACE                                |  |           | 0        | 20/1                           | 35        | C | 36  |         | 0    |                           | SPACE                  |                    |  |
| XFMR 2C3B**                          |  |           | 2109     | 70/3                           | 37        | A | 38  |         | 0    |                           | SPACE                  |                    |  |
|                                      |  |           | 2109     |                                | 39        | B | 40  |         | 0    |                           | SPACE                  |                    |  |
|                                      |  |           | 2109     |                                | 41        | C | 42  |         | 0    |                           | SPACE                  |                    |  |
| DEMAND CATEGORY                      |  | A PH(VA)  | B PH(VA) | C PH(VA)                       | TOTAL(VA) |   |     |         |      | TOTAL CONNECTED LOAD VA:  |                        | 54124              |  |
| (None)                               |  | 24770     | 22443    | 20443                          | 67655     |   |     |         |      | MAX CONNECTED PHASE AMPS: |                        | 71.5               |  |
|                                      |  |           |          |                                |           |   |     |         |      | TOTAL DESIGN LOAD VA:     |                        | 67655              |  |
|                                      |  |           |          |                                |           |   |     |         |      | MAX DESIGN PHASE AMPS:    |                        | 89.4               |  |
|                                      |  |           |          |                                |           |   |     |         |      | NOTES:                    |                        |                    |  |
| DESIGN LOAD PHASE SUB-TOTAL          |  | 24770     | 22443    | 20443                          | 67655     |   |     |         |      |                           |                        |                    |  |

| E                                      | DESIGNATION: 4D2A        |          |           | VOLTAGE(V): 480Y/277V - 3PH-4W |                   |   |     |         |      |        |                                     | BUS RATING(A): 225 |                   |
|----------------------------------------|--------------------------|----------|-----------|--------------------------------|-------------------|---|-----|---------|------|--------|-------------------------------------|--------------------|-------------------|
|                                        | AVAILABLE FAULT(A): 7089 |          | MAIN: MLO |                                | MOUNTING: Surface |   |     |         |      |        |                                     |                    | ENCLOSURE: NEMA 1 |
| DESCRIPTION                            |                          | DEMAND   | VA        | BKR A/P                        | CKT               |   | CKT | BKR A/P | VA   | DEMAND | DESCRIPTION                         |                    |                   |
| WEST WASH UPPER COVE                   |                          | LCL      | 2320      | 20/1                           | 1                 | A | 2   | 20/1    | 3480 | LCL    | LIGHTS D2684 **                     |                    |                   |
| EAST WASH LTS UPPER COVE LTS           |                          | LCL      | 2320      | 20/1                           | 3                 | B | 4   | 20/1    | 2760 | LCL    | LIGHTS D2684 **                     |                    |                   |
| LIGHTS D2600B ** EAST WASH             |                          | LCL      | 1680      | 20/1                           | 5                 | C | 6   | 20/1    | 2238 | LCL    | LIGHTS D2688**LITES ABOVE D-12 D-14 |                    |                   |
| LIGHTS D2600B ** UPPER COVE LTS        |                          | LCL      | 1680      | N 20/1                         | 7                 | A | 8   | 20/1    | 3500 | LCL    | LIGHTS D2670 **                     |                    |                   |
| D2626 LTG: 4LRC2D-41D- RLY 1           |                          | LCL      | 1543      | 20/1                           | 9                 | B | 10  | 20/1    | 560  | LCL    | LIGHTS D2620 **                     |                    |                   |
| LIGHTS D2600B **CENTER AISLE STRIP LTS |                          | LCL      | 2640      | 20/1                           | 11                | C | 12  | 20/1    | 640  | LCL    | LIGHTS D2620 **                     |                    |                   |
| LIGHTS D2600B **                       |                          | LCL      | 1920      | 20/1                           | 13                | A | 14  | 20/1    | 1240 | LCL    | LIGHTS D2600A **                    |                    |                   |
| LIGHTS D2600B **                       |                          | LCL      | 1920      | 20/1                           | 15                | B | 16  | 20/1    | 1520 | LCL    | BAG CLAIM SIGN **                   |                    |                   |
| FIB CHECKPOINT LTS                     |                          | LCL      | 1500      | 20/1                           | 17                | C | 18  | 20/1    | 2760 | LCL    | BAG CLAIM SIGN **                   |                    |                   |
| FPC **                                 |                          | LCL      | 3435      | 20/1                           | 19                | A | 20  | 20/3    | 500  | EQ     | D-10 FOLDING DOOR                   |                    |                   |
| FPC **                                 |                          | LCL      | 2100      | 20/1                           | 21                | B | 22  |         | 500  |        |                                     |                    |                   |
| FPC **                                 |                          | LCL      | 3700      | 20/1                           | 23                | C | 24  |         | 500  |        |                                     |                    |                   |
| FPC **                                 |                          | LCL      | 2770      | 20/1                           | 25                | A | 26  | 20/3    | 0    |        | SPARE                               |                    |                   |
| FPC **                                 |                          | LCL      | 2963      | 20/1                           | 27                | B | 28  |         | 0    |        |                                     |                    |                   |
| FPC **                                 |                          | LCL      | 2500      | 20/1                           | 29                | C | 30  |         | 0    |        |                                     |                    |                   |
| FPC **                                 |                          | LCL      | 2963      | 20/1                           | 31                | A | 32  | 20/1    | 500  | EQ     | D-11 FOLDING DOOR                   |                    |                   |
| FPC **                                 |                          | LCL      | 2963      | 20/1                           | 33                | B | 34  | 20/1    | 500  | EQ     | D-11 FOLDING DOOR                   |                    |                   |
| FPC **                                 |                          | LCL      | 2493      | 20/1                           | 35                | C | 36  | 20/1    | 500  | EQ     | D-11 FOLDING DOOR                   |                    |                   |
| FPC **                                 |                          | LCL      | 2963      | 20/1                           | 37                | A | 38  |         | 0    |        | PANEL 2D2A                          |                    |                   |
| FPC **                                 |                          | LCL      | 2963      | 20/1                           | 39                | B | 40  |         | 0    |        |                                     |                    |                   |
| FPC **                                 |                          | LCL      | 2493      | 20/1                           | 41                | C | 42  |         | 0    |        |                                     |                    |                   |
| DEMAND CATEGORY                        |                          | A PH(VA) | B PH(VA)  | C PH(VA)                       | TOTAL(VA)         |   |     |         |      |        | TOTAL CONNECTED LOAD VA:            |                    | 98767             |
| (None)                                 |                          | 11650    | 10912     | 8850                           | 31412             |   |     |         |      |        | MAX CONNECTED PHASE AMPS:           |                    | 132.0             |
| EQUIPMENT (EQ)                         |                          | 1000     | 1000      | 1000                           | 3000              |   |     |         |      |        | TOTAL DESIGN LOAD VA:               |                    | 122709            |
| LIGHT AND CONT (LCL)                   |                          | 32839    | 27153     | 28305                          | 88296             |   |     |         |      |        | MAX DESIGN PHASE AMPS:              |                    | 164.1             |
|                                        |                          |          |           |                                |                   |   |     |         |      |        | NOTES:                              |                    |                   |
|                                        |                          |          |           |                                |                   |   |     |         |      |        |                                     |                    |                   |
| DESIGN LOAD PHASE SUB-TOTAL            |                          | 45489    | 39065     | 38155                          | 122709            |   |     |         |      |        |                                     |                    |                   |

4C3B

4D2A





pae-engineers.com

151 SW 1st Avenue #300  
Portland, OR 97204

503.226.2921  
pae-engineers.com

2025D031  
DESIGN NUMBER

103101  
PROJECT NUMBER

REGISTERED PROFESSIONAL  
ENGINEER  
44775PE

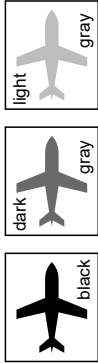
OREGON  
JULY 13, 1999  
GRANT R. PARTHEMER

EXPIRES: 12/31/2026 7/14/26

PORTLAND INTERNATIONAL AIRPORT  
TERMINAL RESTROOM REHABILITATION 2026  
480V PANEL SCHEDULES 1 - ELECTRICAL

|              |               |                |    |
|--------------|---------------|----------------|----|
| SUBMITTED BY | BRIAN FRANCIS |                |    |
| DESIGNED BY  | A. NGUYEN     |                |    |
| DRAWN BY     | A. NGUYEN     |                |    |
| CHECKED BY   | J. MUTSCHLER  |                |    |
| DATE         | JULY 2026     |                |    |
| SHEET NO.    | 154           | TYPE           | CD |
| DRAWING NO.  |               | DISC. SHT. NO. |    |
| PDX 2026-510 |               | E8.11          |    |





CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.

NOTES

1. ALL DEMOLISHED BRANCH CIRCUITS SHALL HAVE EXISTING TURNED OFF AND MARKED AS SPARE IF NO ACTIVE LOAD REMAINS.

| DESIGNATION: 4D2B             |  |          |           | VOLTAGE(V): 480Y/277V - 3PH-4W |                   |           |   |        |         |      |        | BUS RATING(A): 225     |                   |  |  |  |
|-------------------------------|--|----------|-----------|--------------------------------|-------------------|-----------|---|--------|---------|------|--------|------------------------|-------------------|--|--|--|
| AVAILABLE FAULT(A): 9316      |  |          | MAIN: MLO |                                | MOUNTING: Surface |           |   |        |         |      |        |                        | ENCLOSURE: NEMA 1 |  |  |  |
| DESCRIPTION                   |  |          | DEMAND    | VA                             | BKR A/P           | CKT       |   | CKT    | BKR A/P | VA   | DEMAND | DESCRIPTION            |                   |  |  |  |
| LTG TUNNEL LR-A*8             |  |          | LCL       | 2700                           | 20/1              | 1         | A | 2      | 20/1    | 2000 | LCL    | LTG WEST BAG ROAD **   |                   |  |  |  |
| LTG WALL PACKS S LR-B**       |  |          | LCL       | 2800                           | 20/1              | 3         | B | 4      | 20/1    | 2000 | LCL    | LTG WEST MEZZANINE **  |                   |  |  |  |
| LTG WALL PACKS S LR-C**       |  |          | LCL       | 2600                           | 20/1              | 5         | C | 6      | 20/1    | 0    |        | SPARE                  |                   |  |  |  |
| LTG SOFFIT DOWN LR-D**        |  |          | LCL       | 2300                           | 20/1              | 7         | A | 8      | 20/1    | 0    |        | SPARE                  |                   |  |  |  |
| LTG CIRCULATION LR-E**        |  |          | LCL       | 2300                           | 20/1              | 9         | B | 10     | 60/3    | 1100 | EQ     | 4T3D-16E RM D3220      |                   |  |  |  |
| LTG CIRCULATION LR-F**        |  |          | LCL       | 3300                           | 20/1              | 11        | C | 12     |         | 1100 |        |                        |                   |  |  |  |
| LTG CIRCULATION LR-G**        |  |          | LCL       | 1000                           | 20/1              | 13        | A | 14     |         | 1100 |        |                        |                   |  |  |  |
| LTG GATE D7 HOLD RM LR-H**    |  |          | LCL       | 2250                           | 20/1              | 15        | B | 16     | 20/1    | 1000 | LCL    | LTG CIRC LR-AA-BB      |                   |  |  |  |
| LTG GATE D9 HOLD RM LR-I**    |  |          | LCL       | 2250                           | 20/1              | 17        | C | 18     | 20/1    | 500  | LCL    | CONTACTOR PILOT RELAY  |                   |  |  |  |
| LTG GATE D6-D8 HLD RM LR-J ** |  |          | LCL       | 3250                           | 20/1              | 19        | A | 20     | 20/2    | 1000 | LCL    | POLE LIGHTS NORTH LR-M |                   |  |  |  |
| LTG CIRC. LR-K-L**            |  |          | LCL       | 3400                           | 20/1              | 21        | B | 22     |         | 1000 |        |                        |                   |  |  |  |
| LTG STAIR 22-25 JANIT. **     |  |          | LCL       | 1270                           | 20/1              | 23        | C | 24     | 20/2    | 1000 | LCL    | POLE LIGHTS NORTH LR-N |                   |  |  |  |
| LTG CIRC. LR-U**              |  |          | LCL       | 1200                           | 20/1              | 25        | A | 26     |         | 1000 |        |                        |                   |  |  |  |
| LTG CIRC. LR-V**              |  |          | LCL       | 2100                           | 20/1              | 27        | B | 28     | 20/2    | 1000 | LCL    | POLE LIGHTS NORTH LR-P |                   |  |  |  |
| LTG CIRC. LR-W**              |  |          | LCL       | 2100                           | 20/1              | 29        | C | 30     |         | 1000 |        |                        |                   |  |  |  |
| 4L2D-16D-B                    |  |          |           | 0                              | 100/3             | 31        | A | 32     | 20/2    | 1000 | LCL    | POLE LIGHTS NORTH LR-Q |                   |  |  |  |
|                               |  |          |           | 0                              |                   | 33        | B | 34     |         | 1000 |        |                        |                   |  |  |  |
|                               |  |          |           | 0                              |                   | 35        | C | 36     | 20/2    | 1000 | LCL    | POLE LIGHTS NORTH LR-R |                   |  |  |  |
| TRANSFORMER 2D2B **           |  |          |           | 0                              | 70/3              | 37        | A | 38     |         | 1000 |        |                        |                   |  |  |  |
|                               |  |          |           | 0                              |                   | 39        | B | 40     | 20/2    | 1000 | LCL    | POLE LIGHTS NORTH LR-S |                   |  |  |  |
|                               |  |          |           | 0                              |                   | 41        | C | 42     |         | 1000 |        |                        |                   |  |  |  |
| DEMAND CATEGORY               |  | A PH(VA) | B PH(VA)  | C PH(VA)                       |                   | TOTAL(VA) |   | NOTES: |         |      |        |                        |                   |  |  |  |
| EQUIPMENT (EQ)                |  | 9722     | 8641      | 8460                           |                   | 26823     |   |        |         |      |        |                        |                   |  |  |  |
| LIGHT AND CONT (LCL)          |  | 22013    | 26913     | 20025                          |                   | 68950     |   |        |         |      |        |                        |                   |  |  |  |
| RECEPTACLES (REC)             |  | 5862     | 5368      | 6222                           |                   | 17451     |   |        |         |      |        |                        |                   |  |  |  |
|                               |  |          |           |                                |                   |           |   |        |         |      |        |                        |                   |  |  |  |
|                               |  |          |           |                                |                   |           |   |        |         |      |        |                        |                   |  |  |  |
| DESIGN LOAD PHASE SUB-TOTAL   |  | 37596    | 40921     | 34707                          |                   | 113224    |   |        |         |      |        |                        |                   |  |  |  |

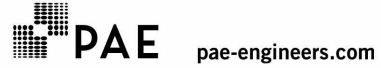
| (E)                                            | DESIGNATION: 4L1T-8C      |          |           | VOLTAGE(V): 480Y/277V - 3PH-4W |                   |     |        |     |         |     |        | BUS RATING(A): 225        |                   |       |
|------------------------------------------------|---------------------------|----------|-----------|--------------------------------|-------------------|-----|--------|-----|---------|-----|--------|---------------------------|-------------------|-------|
|                                                | AVAILABLE FAULT(A): 25293 |          | MAIN: MLO |                                | MOUNTING: Surface |     |        |     |         |     |        |                           | ENCLOSURE: NEMA 1 |       |
| DESCRIPTION                                    |                           |          | DEMAND    | VA                             | BKR A/P           | CKT |        | CKT | BKR A/P | VA  | DEMAND | DESCRIPTION               |                   |       |
| 4LDC1T-13G-B RLY 01:03 ZB-32-01:03             |                           |          | LCL       | 1890                           | 20/1              | 1   | A      | 2   | 20/3    | 10  | LCL    | 4LDC1T-13G-B EBDK         |                   |       |
| 4LDC1T-13G-B RLY 04:06 ZB-32-04:06             |                           |          | LCL       | 944                            | 20/1              | 3   | B      | 4   |         | 10  |        |                           |                   |       |
| 4LDC1T-13G-B RLY 08:09 ZB-32-08:09             |                           |          | LCL       | 1035                           | 20/1              | 5   | C      | 6   |         | 10  |        |                           |                   |       |
| 4LDC1T-13G-B RLY 10:17 ZB-42-01:04 ZB-43-01:04 |                           |          | LCL       | 2922                           | 20/1              | 7   | A      | 8   | 20/1    | 0   | (None) | SPARE                     |                   |       |
| 4LDC1T-13G-B RLY 18:19 ZB-43-05:06             |                           |          | LCL       | 987                            | 20/1              | 9   | B      | 10  | 20/1    | 0   | (None) | SPARE                     |                   |       |
| 4LDC1T-13G-B RLY 22:27                         |                           |          | LCL       | 1035                           | 20/1              | 11  | C      | 12  | 20/1    | 0   | (None) | SPARE                     |                   |       |
| SPARE                                          |                           |          | (None)    | 0                              | 20/1              | 13  | A      | 14  | 20/1    | 0   | (None) | SPARE                     |                   |       |
| SPARE                                          |                           |          | (None)    | 0                              | 20/1              | 15  | B      | 16  | 20/1    | 0   | (None) | SPARE                     |                   |       |
| SPARE                                          |                           |          | (None)    | 0                              | 20/1              | 17  | C      | 18  | 20/1    | 0   | (None) | SPARE                     |                   |       |
| SPARE                                          |                           |          | (None)    | 0                              | 20/1              | 19  | A      | 20  | 20/1    | 0   | (None) | SPARE                     |                   |       |
| SPARE                                          |                           |          | (None)    | 0                              | 20/1              | 21  | B      | 22  | 20/1    | 0   | (None) | SPARE                     |                   |       |
| SPARE                                          |                           |          | (None)    | 0                              | 20/1              | 23  | C      | 24  | 20/1    | 0   | (None) | SPARE                     |                   |       |
| SPARE                                          |                           |          | (None)    | 0                              | 20/1              | 25  | A      | 26  | 20/1    | 0   | (None) | SPARE                     |                   |       |
| SPARE                                          |                           |          | (None)    | 0                              | 20/1              | 27  | B      | 28  | 20/1    | 0   | (None) | SPARE                     |                   |       |
| SPARE                                          |                           |          | (None)    | 0                              | 20/1              | 29  | C      | 30  | 20/1    | 0   | (None) | SPARE                     |                   |       |
| SPARE                                          |                           |          | (None)    | 0                              | 20/1              | 31  | A      | 32  | 20/1    | 0   | (None) | SPARE                     |                   |       |
| SPARE                                          |                           |          | (None)    | 0                              | 20/1              | 33  | B      | 34  | 20/1    | 0   | (None) | SPARE                     |                   |       |
| SPARE                                          |                           |          | (None)    | 0                              | 20/1              | 35  | C      | 36  | 20/1    | 0   | (None) | SPARE                     |                   |       |
| SPARE                                          |                           |          | (None)    | 0                              | 20/1              | 37  | A      | 38  | 20/3    | 100 | EQ     | POWER MONITOR             |                   |       |
| SPARE                                          |                           |          | (None)    | 0                              | 20/1              | 39  | B      | 40  |         | 100 |        |                           |                   |       |
| SPARE                                          |                           |          | (None)    | 0                              | 20/1              | 41  | C      | 42  |         | 100 |        |                           |                   |       |
| DEMAND CATEGORY                                |                           | A PH(VA) | B PH(VA)  | C PH(VA)                       | TOTAL(VA)         |     | NOTES: |     |         |     |        | TOTAL CONNECTED LOAD VA:  |                   | 9143  |
| EQUIPMENT (EQ)                                 |                           | 100      | 100       | 100                            | 300               |     |        |     |         |     |        | MAX CONNECTED PHASE AMPS: |                   | 17.8  |
| LIGHT AND CONT (LCL)                           |                           | 6027     | 2426      | 2600                           | 11054             |     |        |     |         |     |        | TOTAL DESIGN LOAD VA:     |                   | 11354 |
|                                                |                           |          |           |                                |                   |     |        |     |         |     |        | MAX DESIGN PHASE AMPS:    |                   | 22.1  |
|                                                |                           |          |           |                                |                   |     |        |     |         |     |        |                           |                   |       |
|                                                |                           |          |           |                                |                   |     |        |     |         |     |        |                           |                   |       |
| DESIGN LOAD PHASE SUB-TOTAL                    |                           | 6128     | 2526      | 2700                           | 11354             |     |        |     |         |     |        |                           |                   |       |

4D2B

4L1T-8C



mwa architects



151 SW 1st Avenue #300  
Portland, OR 97204

503.226.2921  
pae-engineers.com



PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

480V PANEL SCHEDULES 2 - ELECTRICAL

SUBMITTED BY BRIAN FRANCIS

DESIGNED BY A. NGUYEN

DRAWN BY A. NGUYEN

CHECKED BY J. MUTSCHLER

DATE JULY 2026

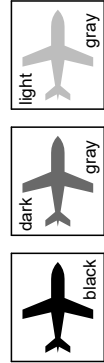
SHEET NO. 155

TYPE CD

DRAWING NO. PDX 2026-510

DISC. SHT. NO. E8.12





CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.

| DESIGNATION: 4L2T-15E       |  |                   |          | VOLTAGE(V): 480Y/277V - 3PH-4W |           |   |        |         |      |        |                                                    | BUS RATING(A): 225 |       |  |  |
|-----------------------------|--|-------------------|----------|--------------------------------|-----------|---|--------|---------|------|--------|----------------------------------------------------|--------------------|-------|--|--|
| AVAILABLE FAULT(A): 25985   |  | MAIN: Breaker 250 |          | MOUNTING: Surface              |           |   |        |         |      |        |                                                    | ENCLOSURE: NEMA 1  |       |  |  |
| DESCRIPTION                 |  | DEMAND            | VA       | BKR A/P                        | CKT       |   | CKT    | BKR A/P | VA   | DEMAND | DESCRIPTION                                        |                    |       |  |  |
| Z22-205/206/212             |  | LCL               | 1038     | 20/1                           | 1         | A | 2      | 20/1    | 616  | LCL    | LTG WEST ENPLANING                                 |                    |       |  |  |
| Z22-209/210                 |  | LCL               | 651      | 20/1                           | 3         | B | 4      | 20/1    | 1043 | LCL    | Z31-206:218 4LDC1T-16C-B RLY ZT-W5-01:02           |                    |       |  |  |
| Z32-288                     |  | EQ                | 500      | 20/1                           | 5         | C | 6      | 20/1    | 2911 | N LCL  | Z31-249/266/267 Z32-202/207/212/267                |                    |       |  |  |
| SPARE                       |  |                   | 0        | 20/1                           | 7         | A | 8      | 20/1    | 1186 | LCL    | Z41-204:206/238 Z42-202/227/229 Z22-207/214        |                    |       |  |  |
| DMX2T-15E-EBDK-A            |  | LCL               | 10       | 20/3                           | 9         | B | 10     | 20/1    | 1643 | LCL    | Z22-202/203/208/211/213                            |                    |       |  |  |
|                             |  |                   | 10       |                                | 11        | C | 12     | 20/1    | 1200 | LCL    | Z32-215:220/222/223/226                            |                    |       |  |  |
|                             |  |                   | 10       |                                | 13        | A | 14     | 20/1    | 1826 | LCL    | Z32-244:257/269/270/272                            |                    |       |  |  |
| 4LDC2T-14E-A LCP POWER      |  | LCL               | 2000     | 20/1                           | 15        | B | 16     | 20/1    | 1030 | LCL    | Z31-233:235/237/241 Z32-225                        |                    |       |  |  |
| 4LDC2T-14E-B LCP POWER      |  | LCL               | 2000     | 20/1                           | 17        | C | 18     | 20/1    | 1321 | LCL    | Z32-258:266/268/287/290                            |                    |       |  |  |
| SPARE                       |  |                   | 0        | 20/1                           | 19        | A | 20     | 20/1    | 884  | LCL    | Z32-221/271/272/277/278/280/281                    |                    |       |  |  |
| 4LDC2T-13E-A LCP POWER      |  | LCL               | 140      | 20/1                           | 21        | B | 22     | 20/1    | 3020 | N LCL  | Z32-213/214/234/236:243 4LDC1T-15E RLY ZT-E5-01:02 |                    |       |  |  |
| 4LDC2T-14C-A LCP POWER      |  | LCL               | 140      | 20/1                           | 23        | C | 24     | 20/1    | 140  | LCL    | Z31-224/228:232/253/254 Z31-259/260/268            |                    |       |  |  |
| 4LDC2T-14C-B LCP POWER      |  | LCL               | 140      | 20/1                           | 25        | A | 26     | 20/1    | 0    |        | 4LDC2T-16E-A LCP POWER                             |                    |       |  |  |
| 4LDC2T-14C-C LCP POWER      |  | LCL               | 140      | 20/1                           | 27        | B | 28     | 20/1    | 0    |        | SPARE                                              |                    |       |  |  |
| 4LDC2T-16C-A LCP POWER      |  | LCL               | 140      | 20/1                           | 29        | C | 30     | 20/1    | 0    |        | SPARE                                              |                    |       |  |  |
| SPARE                       |  |                   | 0        | 20/1                           | 31        | A | 32     | 20/1    | 0    |        | SPARE                                              |                    |       |  |  |
| SPARE                       |  |                   | 0        | 20/1                           | 33        | B | 34     | 20/1    | 0    |        | SPARE                                              |                    |       |  |  |
| SPARE                       |  |                   | 0        | 20/1                           | 35        | C | 36     | 20/1    | 0    |        | SPARE                                              |                    |       |  |  |
| SPARE                       |  |                   | 0        | 20/1                           | 37        | A | 38     | 20/1    | 0    |        | SPARE                                              |                    |       |  |  |
| SPARE                       |  |                   | 0        | 20/1                           | 39        | B | 40     | 20/1    | 0    |        | SPARE                                              |                    |       |  |  |
| SPARE                       |  |                   | 0        | 20/1                           | 41        | C | 42     | 20/1    | 0    |        | SPARE                                              |                    |       |  |  |
| DEMAND CATEGORY             |  | A PH(VA)          | B PH(VA) | C PH(VA)                       | TOTAL(VA) |   | NOTES: |         |      |        | TOTAL CONNECTED LOAD VA:                           |                    | 23739 |  |  |
| EQUIPMENT (EQ)              |  | 0                 | 0        | 500                            | 500       |   |        |         |      |        | MAX CONNECTED PHASE AMPS:                          |                    | 34.9  |  |  |
| LIGHT AND CONT (LCL)        |  | 7125              | 12096    | 9828                           | 29049     |   |        |         |      |        | TOTAL DESIGN LOAD VA:                              |                    | 29549 |  |  |
|                             |  |                   |          |                                |           |   |        |         |      |        | MAX DESIGN PHASE AMPS:                             |                    | 43.6  |  |  |
|                             |  |                   |          |                                |           |   |        |         |      |        |                                                    |                    |       |  |  |
| DESIGN LOAD PHASE SUB-TOTAL |  | 7125              | 12096    | 10328                          | 29549     |   |        |         |      |        |                                                    |                    |       |  |  |

| DESIGNATION: 4L2T-15Q       |  |                   |          | VOLTAGE(V): 480Y/277V - 3PH-4W |           |   |        |         |      |                           | BUS RATING(A): 225                            |       |  |
|-----------------------------|--|-------------------|----------|--------------------------------|-----------|---|--------|---------|------|---------------------------|-----------------------------------------------|-------|--|
| AVAILABLE FAULT(A): 12043   |  | MAIN: Breaker 250 |          | MOUNTING: Surface              |           |   |        |         |      |                           | ENCLOSURE: NEMA 1                             |       |  |
| DESCRIPTION                 |  | DEMAND            | VA       | BKR A/P                        | CKT       |   | CKT    | BKR A/P | VA   | DEMAND                    | DESCRIPTION                                   |       |  |
| Z11-244                     |  | EQ                | 104      | 20/1                           | 1         | A | 2      | 20/1    | 780  | LCL                       | Z01-213/231:234 Z02-213/216:218/228/249       |       |  |
| 4LDC2T-14R-A LCP POWER      |  | LCL               | 2000     | 20/1                           | 3         | B | 4      | 20/1    | 2295 | LCL                       | Z11-202:212/215/219 4LDC1T-15Q-A: ZT-E2-01:02 |       |  |
| SPARE                       |  |                   | 0        | 20/1                           | 5         | C | 6      | 20/1    | 1014 | LCL                       | Z11-226:230/234:238/240/241/266               |       |  |
| SPARE                       |  |                   | 0        | 20/1                           | 7         | A | 8      | 20/1    | 1469 | LCL                       | Z11-254:257/267 Z01-254                       |       |  |
| SPARE                       |  |                   | 0        | 20/1                           | 9         | B | 10     | 20/1    | 2651 | LCL                       | Z12-211:223/226 4LDC1T-15Q-A: ZT-W-01:02      |       |  |
| DMX2T-15Q-EDBK-A            |  | LCL               | 10       | 20/3                           | 11        | C | 12     | 20/1    | 3381 | LCL                       | Z12-240:260/273:277/299                       |       |  |
|                             |  |                   | 10       |                                | 13        | A | 14     | 20/1    | 1686 | LCL                       | Z12-261:272/278:288/298                       |       |  |
|                             |  |                   | 10       |                                | 15        | B | 16     | 20/3    | 0    |                           | SPARE                                         |       |  |
| SPARE                       |  |                   | 0        | 20/1                           | 17        | C | 18     |         | 0    |                           |                                               |       |  |
| SPARE                       |  |                   | 0        | 20/1                           | 19        | A | 20     |         | 0    |                           |                                               |       |  |
| SPARE                       |  |                   | 0        | 20/1                           | 21        | B | 22     | 20/1    | 1105 | LCL                       | 4LDC2T-15Q-A                                  |       |  |
| SPARE                       |  |                   | 0        | 20/1                           | 23        | C | 24     | 20/1    | 0    |                           | SPARE                                         |       |  |
| SPARE                       |  |                   | 0        | 20/1                           | 25        | A | 26     | 20/1    | 0    |                           | SPARE                                         |       |  |
| SPARE                       |  |                   | 0        | 20/1                           | 27        | B | 28     | 20/1    | 0    |                           | SPARE                                         |       |  |
| 4LDC2T-15R-B LCP POWER      |  | LCL               | 2000     | 20/1                           | 29        | C | 30     | 20/1    | 0    |                           | SPARE                                         |       |  |
| SPARE                       |  |                   | 0        | 20/1                           | 31        | A | 32     | 20/1    | 0    |                           | SPARE                                         |       |  |
| SPARE                       |  |                   | 0        | 20/1                           | 33        | B | 34     | 20/1    | 0    |                           | SPARE                                         |       |  |
| SPARE                       |  |                   | 0        | 20/1                           | 35        | C | 36     | 20/1    | 0    |                           | SPARE                                         |       |  |
| SPARE                       |  |                   | 0        | 20/1                           | 37        | A | 38     | 20/1    | 0    |                           | SPARE                                         |       |  |
| SPARE                       |  |                   | 0        | 20/1                           | 39        | B | 40     | 20/1    | 0    |                           | SPARE                                         |       |  |
| SPARE                       |  |                   | 0        | 20/1                           | 41        | C | 42     | 20/1    | 0    |                           | SPARE                                         |       |  |
| DEMAND CATEGORY             |  | A PH(VA)          | B PH(VA) | C PH(VA)                       | TOTAL(VA) |   |        |         |      | TOTAL CONNECTED LOAD VA:  |                                               | 18515 |  |
| EQUIPMENT (EQ)              |  | 104               | 0        | 0                              | 104       |   |        |         |      | MAX CONNECTED PHASE AMPS: |                                               | 29.1  |  |
| LIGHT AND CONT (LCL)        |  | 4931              | 10076    | 8006                           | 23014     |   |        |         |      | TOTAL DESIGN LOAD VA:     |                                               | 23118 |  |
|                             |  |                   |          |                                |           |   |        |         |      | MAX DESIGN PHASE AMPS:    |                                               | 36.4  |  |
|                             |  |                   |          |                                |           |   |        |         |      |                           |                                               |       |  |
| DESIGN LOAD PHASE SUB-TOTAL |  | 5035              | 10076    | 8006                           | 23118     |   | NOTES: |         |      |                           |                                               |       |  |

4L2T-15E

4L2T-15Q

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Portland, OR 97204

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2025D031

DESIGN NUMBER

103101

PROJECT NUMBER

REGISTERED PROFESSIONAL  
ENGINEER  
44775PE

OREGON  
JULY 13, 1999  
GRANT R. PARTHEMER

7/14/26  
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT  
TERMINAL RESTROOM REHABILITATION 2026  
480V PANEL SCHEDULES 3 - ELECTRICAL

|              |               |                |
|--------------|---------------|----------------|
| SUBMITTED BY | BRIAN FRANCIS |                |
| DESIGNED BY  | A. NGUYEN     |                |
| DRAWN BY     | A. NGUYEN     |                |
| CHECKED BY   | J. MUTSCHLER  |                |
| DATE         | JULY 2026     |                |
| SHEET NO.    | 156           | TYPE CD        |
| DRAWING NO.  |               | DISC. SHT. NO. |
| PDX 2026-510 |               | E8.13          |

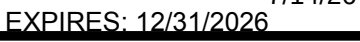




N

 $(RE)$ 4E1A-EBE4

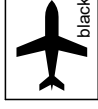
4P2D-16D-B



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|              |       |
|--------------|-------|
| FDX 2020-310 | E6.14 |
|--------------|-------|





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| (E)                         | DESIGNATION: 4P1T-8W (DAL-4T1A) |          |           |          | VOLTAGE(V): 480Y/277V - 3PH-4W |                           |     |         |      |        |                          | BUS RATING(A): 225 |       |
|-----------------------------|---------------------------------|----------|-----------|----------|--------------------------------|---------------------------|-----|---------|------|--------|--------------------------|--------------------|-------|
| AVAILABLE FAULT(A): 13111   |                                 |          | MAIN: MLO |          | MOUNTING: Surface              |                           |     |         |      |        |                          | ENCLOSURE: NEMA 1  |       |
| DESCRIPTION                 |                                 | DEMAND   | VA        | BKR A/P  | CKT                            |                           | CKT | BKR A/P | VA   | DEMAND | DESCRIPTION              |                    |       |
| BAG MAKE-UP LTG - T1TO33    |                                 | LCL      | 4432      | 20/1     | 1                              | A                         | 2   | 20/1    | 4432 | LCL    | BAG SERVICE LTG          |                    |       |
| BAG MAKE-UP LTG - T1TO33    |                                 | LCL      | 4432      | 20/1     | 3                              | B                         | 4   | 30/3    | 6011 | EQ     | T2TS35 EWH-103           |                    |       |
| BAG MAKE-UP LTG - T1210     |                                 | LCL      | 4432      | 20/1     | 5                              | C                         | 6   |         | 6011 |        |                          |                    |       |
| SPARE                       |                                 |          | 0         | 20/1     | 7                              | A                         | 8   |         | 6011 |        |                          |                    |       |
| BAG MAKE-UP LTG - T1210     |                                 | LCL      | 4432      | 20/1     | 9                              | B                         | 10  | 20/1    | 0    |        | SPARE                    |                    |       |
| BAG MAKE-UP LTG - T1209     |                                 | LCL      | 4432      | 20/1     | 11                             | C                         | 12  | 20/1    | 0    |        | SPARE                    |                    |       |
| BAG MAKE-UP LTG - T1209     |                                 | LCL      | 4432      | 20/1     | 13                             | A                         | 14  | 20/1    | 0    |        | SPARE                    |                    |       |
| SPARE                       |                                 |          | 0         | 20/1     | 15                             | B                         | 16  | 20/1    | 0    |        | SPARE                    |                    |       |
| SPARE                       |                                 |          | 0         | 20/1     | 17                             | C                         | 18  | 20/1    | 0    |        | SPARE                    |                    |       |
| EWH T1TT26                  |                                 | EQ       | 4000      | 20/3     | 19                             | A                         | 20  | 20/3    | 0    |        | SPARE                    |                    |       |
|                             |                                 |          | 4000      |          | 21                             | B                         | 22  |         | 0    |        |                          |                    |       |
|                             |                                 |          | 4000      |          | 23                             | C                         | 24  |         | 0    |        |                          |                    |       |
| SPARE                       |                                 |          | 0         | 20/3     | 25                             | A                         | 26  |         | 0    |        | SPACE                    |                    |       |
|                             |                                 |          | 0         |          | 27                             | B                         | 28  | 50/2    | 0    |        | SPARE                    |                    |       |
|                             |                                 |          | 0         |          | 29                             | C                         | 30  |         | 0    |        |                          |                    |       |
| ROLL UP DOOR                |                                 | EQ       | 1385      | 20/3     | 31                             | A                         | 32  | 50/3    | 0    | --     | SPARE                    |                    |       |
|                             |                                 |          | 1385      |          | 33                             | B                         | 34  |         | 0    |        |                          |                    |       |
|                             |                                 |          | 1385      |          | 35                             | C                         | 36  |         | 0    |        |                          |                    |       |
| ROLL UP DOOR/ SLIDING GATE  |                                 | EQ       | 1500      | 20/3     | 37                             | A                         | 38  | 50/3    | 0    |        | PANEL 2P1T-8W 30 KVA     |                    |       |
|                             |                                 |          | 1500      |          | 39                             | B                         | 40  |         | 0    |        |                          |                    |       |
|                             |                                 |          | 1500      |          | 41                             | C                         | 42  |         | 0    |        |                          |                    |       |
| DEMAND CATEGORY             |                                 | A PH(VA) | B PH(VA)  | C PH(VA) | TOTAL(VA)                      |                           |     |         |      |        | TOTAL CONNECTED LOAD VA: |                    | 92028 |
| EQUIPMENT (EQ)              |                                 | 13432    | 16048     | 16224    | 45704                          | MAX CONNECTED PHASE AMPS: |     |         |      |        | 114.6                    |                    |       |
| LIGHT AND CONT (LCL)        |                                 | 16620    | 11080     | 11080    | 38780                          | TOTAL DESIGN LOAD VA:     |     |         |      |        | 97134                    |                    |       |
| RECEPTACLES (REC)           |                                 | 4187     | 4097      | 4367     | 12650                          | MAX DESIGN PHASE AMPS:    |     |         |      |        | 123.5                    |                    |       |
|                             |                                 |          |           |          |                                | NOTES:                    |     |         |      |        |                          |                    |       |
|                             |                                 |          |           |          |                                |                           |     |         |      |        |                          |                    |       |
| DESIGN LOAD PHASE SUB-TOTAL |                                 | 34239    | 31225     | 31671    | 97134                          |                           |     |         |      |        |                          |                    |       |

|         |  |
|---------|--|
| 4P1T-8W |  |
|---------|--|

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|                                                                                                                    |                                                                                                                                                                                                                                 |                                                                                       |
|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  <h1>Port of Portland</h1>    |                                                                                                                                                                                                                                 |  |
|  <p><b>mwa architects</b></p> |  <p><b>PAE</b>    pae-engineers.com</p> <p>151 SW 1st Avenue #300    503.226.2921<br/>         Portland, OR 97204    pae-engineers.com</p> |                                                                                       |
| 2025D031<br>DESIGN NUMBER                                                                                          | 103101<br>PROJECT NUMBER                                                                                                                                                                                                        | 7/14/26<br>EXPIRES: 12/31/2026                                                        |

|                                       |              |  |               |                      |
|---------------------------------------|--------------|--|---------------|----------------------|
| PORTLAND INTERNATIONAL AIRPORT        | SUBMITTED BY |  | BRIAN FRANCIS |                      |
|                                       | DESIGNED BY  |  | A. NGUYEN     |                      |
| TERMINAL RESTROOM REHABILITATION 2026 | DRAWN BY     |  | A. NGUYEN     |                      |
|                                       | CHECKED BY   |  | J. MUTSCHLER  |                      |
| 480V PANEL SCHEDULES 5 - ELECTRICAL   | DATE         |  | JULY 2026     |                      |
|                                       | SHEET NO.    |  | 158           | TYPE CD              |
|                                       | DRAWING NO.  |  | PDX 2026-510  | DISC. SHT. NO. E8.15 |





GRAPHIC SCALE-FOR REFERENCE ONLY

1/4" 1/2" 1" 2"

①②

1

1. UTILIZE EXISTING BREAKER TO FEED NEW LOAD SHOWN.
2. REFER TO SHEET E0.03 FOR FEEDER AND CONDUIT SIZING.



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**mwa architects**

2025D031

DESIGN NUMBER

103101

PROJECT NUMBER



|                                                                                                                        |              |              |               |                         |
|------------------------------------------------------------------------------------------------------------------------|--------------|--------------|---------------|-------------------------|
| PORTLAND INTERNATIONAL AIRPORT<br><br>TERMINAL RESTROOM REHABILITATION 2026<br><br>480V PANEL SCHEDULES 6 - ELECTRICAL | SUBMITTED BY |              | BRIAN FRANCIS |                         |
|                                                                                                                        | DESIGNED BY  |              | A. NGUYEN     |                         |
|                                                                                                                        | DRAWN BY     |              | A. NGUYEN     |                         |
|                                                                                                                        | CHECKED BY   |              | J. MUTSCHLER  |                         |
|                                                                                                                        | DATE         |              | JULY 2026     |                         |
| SHEET NO.                                                                                                              |              | 159          | TYPE          | CD                      |
| DRAWING NO.                                                                                                            |              | PDX 2026-510 |               | DISC. SHT. NO.<br>E8.16 |



0 1/4" 1/2" 1" 2"

GRAPHIC SCALE: FOR REFERENCE ONLY

1 2

## KEY NOTES #

1. UTILIZE EXISTING BREAKER TO FEED NEW LOAD SHOWN.
2. REFER TO SHEET E0.03 FOR FEEDER AND CONDUIT SIZING.

[illegible]

|                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <span style="font-size: 24pt; font-weight: bold; vertical-align: middle;">Port of Portland</span>                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|  <span style="font-size: 18pt; font-weight: bold;">mwa architects</span>                                               | <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <span style="font-weight: bold;">PAE</span> </div> <div> <p style="margin: 0;">pae-engineers.com</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: center;"> <p style="margin: 0; font-size: 10pt;">151 SW 1st Avenue #300<br/>Portland, OR 97204</p> </div> <div style="text-align: center;"> <p style="margin: 0; font-size: 10pt;">503.226.2921<br/>pae-engineers.com</p> </div> </div> |
| <div style="display: flex; justify-content: space-between;"> <span>2025D031</span> <span>103101</span> </div> <div style="display: flex; justify-content: space-between; font-size: 8pt;"> <span>DESIGN NUMBER</span> <span>PROJECT NUMBER</span> </div> | <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: right;"> <p style="margin: 0; font-size: 10pt;">7/14/26</p> </div> </div> <p style="margin-top: 5px; font-weight: bold; font-size: 10pt;">EXPIRES: 12/31/2026</p>                                                                                                                                                                                                                                                                                    |

|                                       |              |  |               |                      |
|---------------------------------------|--------------|--|---------------|----------------------|
| PORTLAND INTERNATIONAL AIRPORT        | SUBMITTED BY |  | BRIAN FRANCIS |                      |
|                                       | DESIGNED BY  |  | A. NGUYEN     |                      |
|                                       | DRAWN BY     |  | A. NGUYEN     |                      |
|                                       | CHECKED BY   |  | J. MUTSCHLER  |                      |
| TERMINAL RESTROOM REHABILITATION 2026 | DATE         |  | JULY 2026     |                      |
|                                       | SHEET NO.    |  | 160           | TYPE CD              |
|                                       | DRAWING NO.  |  | PDX 2026-510  | DISC. SHT. NO. E8.17 |
| 480V PANEL SCHEDULES 7 - ELECTRICAL   |              |  |               |                      |





1. ALL DEMOLISHED BRANCH CIRCUITS SHALL HAVE EXISTING TURNED OFF AND MARKED AS SPARE IF NO ACTIVE LOAD REMAINS.

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|       |       |
|-------|-------|
| E4C3B | E4D2B |
|-------|-------|

[illegible]



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|---------------------------|--------------------------|
| 2025D031<br>DESIGN NUMBER | 103101<br>PROJECT NUMBER |
|---------------------------|--------------------------|



PORTLAND INTERNATIONAL AIRPORT

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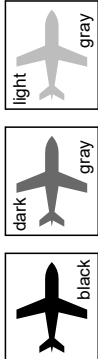
TERMINAL RESTROOM REHABILITATION 2026

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EM 480V PANEL SCHEDULES 1 - ELECTRICAL

|              |               |      |                         |
|--------------|---------------|------|-------------------------|
| SUBMITTED BY | BRIAN FRANCIS |      |                         |
| DESIGNED BY  | A. NGUYEN     |      |                         |
| DRAWN BY     | A. NGUYEN     |      |                         |
| CHECKED BY   | J. MUTSCHLER  |      |                         |
| DATE         | JULY 2026     |      |                         |
| SHEET NO.    | 161           | TYPE | CD                      |
| DRAWING NO.  | PDX 2026-510  |      | DISC. SHT. NO.<br>E8.21 |





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|                             |                          |          |           |                                |                   |     |        |     |         |     |                    |                                           |  |       |
|-----------------------------|--------------------------|----------|-----------|--------------------------------|-------------------|-----|--------|-----|---------|-----|--------------------|-------------------------------------------|--|-------|
| E                           | DESIGNATION: E4D2A       |          |           | VOLTAGE(V): 480Y/277V - 3PH-4W |                   |     |        |     |         |     | BUS RATING(A): 125 |                                           |  |       |
|                             | AVAILABLE FAULT(A): 7847 |          | MAIN: MLO |                                | MOUNTING: Surface |     |        |     |         |     |                    | ENCLOSURE: NEMA 1                         |  |       |
| N                           | DESCRIPTION              |          | DEMAND    | VA                             | BKR A/P           | CKT |        | CKT | BKR A/P | VA  | DEMAND             | DESCRIPTION                               |  |       |
|                             | LIGHTS K2684             |          |           | 80                             | 20/1              | 1   | A      | 2   | 20/1    | 320 |                    | LIGHTS K2684** LOWER COVE LITES D-10 D-11 |  |       |
|                             | LIGHTS K2684             |          |           | 68                             | 20/1              | 3   | B      | 4   | 20/1    | 680 |                    | LIGHTS K2684 **                           |  |       |
|                             | 4LRC2D-41D-A RLY 36      |          | EQ        | 76                             | 20/1              | 5   | C      | 6   | 20/1    | 64  |                    | LIGHTS K2684 **                           |  |       |
|                             | 4LRC2D-41D-A LCP POWER   |          | EQ        | 150                            | 20/1              | 7   | A      | 8   | 20/1    | 0   |                    | SPARE                                     |  |       |
|                             | SPARE                    |          |           | 0                              | 20/1              | 9   | B      | 10  |         | 0   |                    | SPACE                                     |  |       |
|                             | SPARE                    |          |           | 0                              | 20/1              | 11  | C      | 12  |         | 0   |                    | SPACE                                     |  |       |
|                             | SPACE                    |          |           | 0                              |                   | 13  | A      | 14  |         | 0   |                    | SPACE                                     |  |       |
|                             | SPACE                    |          |           | 0                              |                   | 15  | B      | 16  |         | 0   |                    | SPACE                                     |  |       |
|                             | SPACE                    |          |           | 0                              |                   | 17  | C      | 18  |         | 0   |                    | SPACE                                     |  |       |
|                             | SPACE                    |          |           | 0                              |                   | 19  | A      | 20  |         | 0   |                    | SPACE                                     |  |       |
|                             | SPACE                    |          |           | 0                              |                   | 21  | B      | 22  |         | 0   |                    | SPACE                                     |  |       |
|                             | SPACE                    |          |           | 0                              |                   | 23  | C      | 24  |         | 0   |                    | SPACE                                     |  |       |
|                             | SPACE                    |          |           | 0                              |                   | 25  | A      | 26  |         | 0   |                    | SPACE                                     |  |       |
|                             | SPACE                    |          |           | 0                              |                   | 27  | B      | 28  |         | 0   |                    | SPACE                                     |  |       |
|                             | SPACE                    |          |           | 0                              |                   | 29  | C      | 30  |         | 0   |                    | SPACE                                     |  |       |
|                             | SPACE                    |          |           | 0                              |                   | 31  | A      | 32  |         | 0   |                    | SPACE                                     |  |       |
|                             | SPACE                    |          |           | 0                              |                   | 33  | B      | 34  |         | 0   |                    | SPACE                                     |  |       |
|                             | SPACE                    |          |           | 0                              |                   | 35  | C      | 36  |         | 0   |                    | SPACE                                     |  |       |
|                             | SPACE                    |          |           | 0                              |                   | 37  | A      | 38  | 50/3    | 0   |                    | PANEL E2D2A **                            |  |       |
| SPACE                       |                          |          | 0         |                                | 39                | B   | 40     |     | 0       |     |                    |                                           |  |       |
| SPACE                       |                          |          | 0         |                                | 41                | C   | 42     |     | 0       |     |                    |                                           |  |       |
| DEMAND CATEGORY             |                          | A PH(VA) | B PH(VA)  | C PH(VA)                       | TOTAL(VA)         |     | NOTES: |     |         |     |                    | TOTAL CONNECTED LOAD VA:                  |  | 9935  |
| (None)                      |                          | 3040     | 4810      | 1974                           | 9824              |     |        |     |         |     |                    | MAX CONNECTED PHASE AMPS:                 |  | 16.0  |
| EQUIPMENT (EQ)              |                          | 2000     | 0         | 76                             | 2076              |     |        |     |         |     |                    | TOTAL DESIGN LOAD VA:                     |  | 11900 |
|                             |                          |          |           |                                |                   |     |        |     |         |     |                    | MAX DESIGN PHASE AMPS:                    |  | 18.2  |
|                             |                          |          |           |                                |                   |     |        |     |         |     |                    |                                           |  |       |
|                             |                          |          |           |                                |                   |     |        |     |         |     |                    |                                           |  |       |
| DESIGN LOAD PHASE SUB-TOTAL |                          | 5040     | 4810      | 2050                           | 11900             |     |        |     |         |     |                    |                                           |  |       |

| DESIGNATION: E4L1T-7C                |  |                   |          | VOLTAGE(V): 480Y/277V - 3PH-4W |           |   |        |         |      |        | BUS RATING(A): 400                                       |  |       |  |
|--------------------------------------|--|-------------------|----------|--------------------------------|-----------|---|--------|---------|------|--------|----------------------------------------------------------|--|-------|--|
| AVAILABLE FAULT(A): 27184            |  | MAIN: Breaker 400 |          | MOUNTING: Surface              |           |   |        |         |      |        | ENCLOSURE: NEMA 1                                        |  |       |  |
| DESCRIPTION                          |  | DEMAND            | VA       | BKR A/P                        | CKT       |   | CKT    | BKR A/P | VA   | DEMAND | DESCRIPTION                                              |  |       |  |
| LOADING DOCK E-LIGHTS                |  | LCL               | 1000     | 20/1                           | 1         | A | 2      | 20/1    | 0    | LCL    | SPARE                                                    |  |       |  |
| 4DC1T-13G-B RLY 41:42                |  | LCL               | 76       | 20/1                           | 3         | B | 4      | 20/1    | 1826 | LCL    | 4LDC1T-13G-B RLY 43:48 ZB-32-01E ZB-42-01E ZB-43-01E:03E |  |       |  |
| SPARE                                |  |                   | 0        | 20/1                           | 5         | C | 6      | 20/1    | 0    | LCL    | SPARE                                                    |  |       |  |
| SPARE                                |  |                   | 0        | 20/1                           | 7         | A | 8      | 20/1    | 0    | LCL    | SPARE                                                    |  |       |  |
| SPARE                                |  |                   | 0        | 20/1                           | 9         | B | 10     | 20/1    | 1000 | LCL    | L-T1100 E.LIGHTS MEZZ                                    |  |       |  |
| LTS T1836                            |  | LCL               | 500      | 20/1                           | 11        | C | 12     | 20/1    | 1000 | LCL    | L-T1100                                                  |  |       |  |
| LIGHTS ROOM 1340 & 1342              |  | LCL               | 700      | 20/1                           | 13        | A | 14     | 20/1    | 1000 | LCL    | LIGHTS STAIR 1144                                        |  |       |  |
| T1209 10 12 CATWALK LIGHTS           |  | LCL               | 1000     | 20/1                           | 15        | B | 16     | 20/1    | 1000 | LCL    | LIGHTS LOBBY 1100                                        |  |       |  |
| T1553 54 1618 CATWALK LIGHTS         |  | LCL               | 1000     | 20/1                           | 17        | C | 18     | 20/1    | 1280 | LCL    | Z32-204E/205E/224E/265E Z42-203E/224E                    |  |       |  |
| T1250 CATWALK LIGHTS                 |  | LCL               | 1000     | 20/1                           | 19        | A | 20     | 20/1    | 768  | LCL    | LTG ENPLANING                                            |  |       |  |
| T1TK50 CATWALK LIGHTS                |  | LCL               | 1000     | 20/1                           | 21        | B | 22     | 20/1    | 183  | LCL    | LTG ENPLANING                                            |  |       |  |
| LTS T1234; T1235; T1340; T1341;38;39 |  | LCL               | 1000     | 20/1                           | 23        | C | 24     | 20/1    | 202  | LCL    | Z42-203E/224E/225E Z43-101E                              |  |       |  |
| T1TK50 DOWN LTS                      |  | LM                | 1000     | 20/1                           | 25        | A | 26     |         | 0    |        | SPACE                                                    |  |       |  |
| L-T1211                              |  | LCL               | 1000     | 20/1                           | 27        | B | 28     |         | 0    |        | SPACE                                                    |  |       |  |
| 4LDC1T-13G-A & B LCP POWER           |  | LCL               | 4000     | 20/1                           | 29        | C | 30     |         | 0    |        | SPACE                                                    |  |       |  |
| POWER MONITOR                        |  | EQ                | 0        | 20/3                           | 31        | A | 32     | 70/3    | 0    |        | E4T1T-7C                                                 |  |       |  |
|                                      |  |                   | 0        |                                | 33        | B | 34     |         | 0    |        |                                                          |  |       |  |
|                                      |  |                   | 0        |                                | 35        | C | 36     |         | 0    |        |                                                          |  |       |  |
| E4L1T-6L                             |  |                   | 0        | 150/3                          | 37        | A | 38     | 150/3   | 0    |        | E4L1T-8AC                                                |  |       |  |
|                                      |  |                   | 0        |                                | 39        | B | 40     |         | 0    |        |                                                          |  |       |  |
|                                      |  |                   | 0        |                                | 41        | C | 42     |         | 0    |        |                                                          |  |       |  |
| DEMAND CATEGORY                      |  | A PH(VA)          | B PH(VA) | C PH(VA)                       | TOTAL(VA) |   | NOTES: |         |      |        | TOTAL CONNECTED LOAD VA:                                 |  | 65398 |  |
| (None)                               |  | 125               | 125      | 125                            | 375       |   |        |         |      |        | MAX CONNECTED PHASE AMPS:                                |  | 86.1  |  |
| EQUIPMENT (EQ)                       |  | 2500              | 1500     | 2000                           | 6000      |   |        |         |      |        | TOTAL DESIGN LOAD VA:                                    |  | 80248 |  |
| LARGEST MOTOR (LM)                   |  | 1250              | 0        | 0                              | 1250      |   |        |         |      |        | MAX DESIGN PHASE AMPS:                                   |  | 105.8 |  |
| LIGHT AND CONT (LCL)                 |  | 23343             | 22090    | 27190                          | 72623     |   |        |         |      |        |                                                          |  |       |  |
|                                      |  |                   |          |                                |           |   |        |         |      |        |                                                          |  |       |  |
| DESIGN LOAD PHASE SUB-TOTAL          |  | 27218             | 23715    | 29315                          | 80248     |   |        |         |      |        |                                                          |  |       |  |

|       |          |
|-------|----------|
| E4D2A | E4L1T-7C |
|-------|----------|

[illegible]



# Port of Portland



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**mwa architects**

2025D031
103101

DESIGN NUMBER
PROJECT NUMBER



PORTLAND INTERNATIONAL AIRPORT

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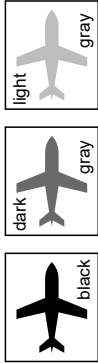
TERMINAL RESTROOM REHABILITATION 2026

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EM 480V PANEL SCHEDULES 2 - ELECTRICAL

|              |               |      |                         |
|--------------|---------------|------|-------------------------|
| SUBMITTED BY | BRIAN FRANCIS |      |                         |
| DESIGNED BY  | A. NGUYEN     |      |                         |
| DRAWN BY     | A. NGUYEN     |      |                         |
| CHECKED BY   | J. MUTSCHLER  |      |                         |
| DATE         | JULY 2026     |      |                         |
| SHEET NO.    | 162           | TYPE | CD                      |
| DRAWING NO.  | PDX 2026-510  |      | DISC. SHT. NO.<br>E8.22 |





CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.

|                             |                          |          |                   |                                |                   |     |        |         |      |        |                    |                                             |       |       |
|-----------------------------|--------------------------|----------|-------------------|--------------------------------|-------------------|-----|--------|---------|------|--------|--------------------|---------------------------------------------|-------|-------|
| E                           | DESIGNATION: E4L1T-17D   |          |                   | VOLTAGE(V): 480Y/277V - 3PH-4W |                   |     |        |         |      |        | BUS RATING(A): 200 |                                             |       |       |
|                             | AVAILABLE FAULT(A): 6070 |          | MAIN: Breaker 200 |                                | MOUNTING: Surface |     |        |         |      |        |                    | ENCLOSURE: NEMA 1                           |       |       |
| N                           | DESCRIPTION              |          | DEMAND            | VA                             | BKR A/P           | CKT | CKT    | BKR A/P | VA   | DEMAND | DESCRIPTION        |                                             |       |       |
|                             | 4LDC1T-17E-A LCP POWER   |          | LCL               | 140                            | 20/1              | 1   | A      | 2       | 20/1 | 750    | LCL                | Z31-102E/113E/116E/119E/120E/132E/133E/143E |       |       |
|                             | 4LDC2T-15C-A             |          | LCL               | 140                            | 20/1              | 3   | B      | 4       | 20/1 | 1791   | LCL                | Z31-107E/114E/125E/127E/144E:147E           |       |       |
|                             | 4LDC1T-15E-A LCP POWER   |          | LCL               | 140                            | 20/1              | 5   | C      | 6       | 20/1 | 1246   | LCL                | Z31-108E/109E                               |       |       |
|                             | 4LDC1T-18D-A LCP POWER   |          | LCL               | 140                            | 20/1              | 7   | A      | 8       | 20/1 | 1875   | LCL                | Z31-118E/123E/124E                          |       |       |
|                             | 4LDC1T-15G-A LCP POWER   |          | LCL               | 140                            | 20/1              | 9   | B      | 10      | 20/1 | 1625   | LCL                | Z31-135E:138E/142E/151E                     |       |       |
|                             | 4LDC1T-18G-A LCP POWER   |          | LCL               | 140                            | 20/1              | 11  | C      | 12      | 20/1 | 140    | LCL                | 4LDC1T-18G-B LCP POWER                      |       |       |
|                             | 4LDC2T-15E-A LCP POWER   |          | LCL               | 2000                           | 20/1              | 13  | A      | 14      | 20/1 | 694    | LCL                | Z31-232E/254E Z41-230E Z42-202E             |       |       |
|                             | 4LDC2T-16C-B LCP POWER   |          | LCL               | 140                            | 20/1              | 15  | B      | 16      | 20/1 | 489    | LCL                | Z31-281E                                    |       |       |
|                             | Z2-31-01E; Z2-32-01E     |          | LCL               | 94                             |                   | 17  | C      | 18      | 20/1 | 41     | EQ                 | Z41-204E                                    |       |       |
|                             | SPACE                    |          |                   | 0                              |                   | 19  | A      | 20      |      | 0      |                    | SPACE                                       |       |       |
|                             | SPACE                    |          |                   | 0                              |                   | 21  | B      | 22      |      | 0      |                    | SPACE                                       |       |       |
|                             | SPACE                    |          |                   | 0                              |                   | 23  | C      | 24      |      | 0      |                    | SPACE                                       |       |       |
|                             | SPACE                    |          |                   | 0                              |                   | 25  | A      | 26      |      | 0      |                    | SPACE                                       |       |       |
|                             | SPACE                    |          |                   | 0                              |                   | 27  | B      | 28      |      | 0      |                    | SPACE                                       |       |       |
|                             | SPACE                    |          |                   | 0                              |                   | 29  | C      | 30      |      | 0      |                    | SPACE                                       |       |       |
|                             | SPACE                    |          |                   | 0                              |                   | 31  | A      | 32      |      | 0      |                    | SPACE                                       |       |       |
|                             | SPACE                    |          |                   | 0                              |                   | 33  | B      | 34      |      | 0      |                    | SPACE                                       |       |       |
|                             | SPACE                    |          |                   | 0                              |                   | 35  | C      | 36      |      | 0      |                    | SPACE                                       |       |       |
|                             | SPD                      |          | EQ                | 0                              | 30/3              | 37  | A      | 38      | 70/3 | 0      |                    | E4T1T-17D                                   |       |       |
|                             |                          |          | 0                 |                                | 39                | B   | 40     |         | 0    |        |                    |                                             |       |       |
|                             |                          |          | 0                 |                                | 41                | C   | 42     |         | 0    |        |                    |                                             |       |       |
| DEMAND CATEGORY             |                          | A PH(VA) | B PH(VA)          | C PH(VA)                       | TOTAL(VA)         |     | NOTES: |         |      |        |                    | TOTAL CONNECTED LOAD VA:                    | 15648 |       |
| EQUIPMENT (EQ)              |                          | 1134     | 1160              | 1570                           | 3864              |     |        |         |      |        |                    | MAX CONNECTED PHASE AMPS:                   |       | 24.7  |
| LIGHT AND CONT (LCL)        |                          | 7124     | 5406              | 2200                           | 14730             |     |        |         |      |        |                    | TOTAL DESIGN LOAD VA:                       |       | 18594 |
|                             |                          |          |                   |                                |                   |     |        |         |      |        |                    | MAX DESIGN PHASE AMPS:                      |       | 29.8  |
|                             |                          |          |                   |                                |                   |     |        |         |      |        |                    |                                             |       |       |
| DESIGN LOAD PHASE SUB-TOTAL |                          | 8258     | 6566              | 3770                           | 18594             |     |        |         |      |        |                    |                                             |       |       |

|                             |                                  |       |                   |                                |                   |           |                        |         |      |        |                    |                                             |  |       |
|-----------------------------|----------------------------------|-------|-------------------|--------------------------------|-------------------|-----------|------------------------|---------|------|--------|--------------------|---------------------------------------------|--|-------|
| N                           | DESIGNATION: E4L1T-18R           |       |                   | VOLTAGE(V): 480Y/277V - 3PH-4W |                   |           |                        |         |      |        | BUS RATING(A): 200 |                                             |  |       |
|                             | AVAILABLE FAULT(A): 11631        |       | MAIN: Breaker 200 |                                | MOUNTING: Surface |           |                        |         |      |        |                    | ENCLOSURE: NEMA 1                           |  |       |
|                             | DESCRIPTION                      |       | DEMAND            | VA                             | BKR A/P           | CKT       | CKT                    | BKR A/P | VA   | DEMAND | DESCRIPTION        |                                             |  |       |
|                             | 4LDC2T-15R-A LCP POWER           |       | LCL               | 2000                           | 20/1              | 1         | A                      | 2       | 15/3 | 300    | EQ                 | JPC-T-T1TP97-01                             |  |       |
|                             | 4LDC1T-15N-A LCP POWER           |       | LCL               | 2000                           | 20/1              | 3         | B                      | 4       |      | 300    |                    |                                             |  |       |
|                             | Z2-11-01E; Z2-12-01E             |       | LCL               | 94                             | 20/1              | 5         | C                      | 6       |      | 300    |                    |                                             |  |       |
|                             | SPARE                            |       |                   | 0                              | 20/3              | 7         | A                      | 8       | 20/1 | 1822   | LCL                | Z01-101E:104E/108E:119E/132E:135E/210E/211E |  |       |
|                             |                                  |       |                   | 0                              |                   | 9         | B                      | 10      | 20/1 | 1531   | LCL                | Z01-105E/121E/123E/124E/126E/143E/144E      |  |       |
|                             |                                  |       |                   | 0                              |                   | 11        | C                      | 12      | 20/1 | 1858   | LCL                | Z11-101E:103E/105E/110E/114E/116E/131E      |  |       |
|                             | FTP-T1TS96-1                     |       | EQ                | 2106                           | 20/3              | 13        | A                      | 14      | 20/1 | 512    | LCL                | Z11-107E/136E/138E:141E Z02-216E            |  |       |
|                             |                                  |       |                   | 2106                           |                   | 15        | B                      | 16      | 20/1 | 1100   | LCL                | Z11-111E/112E Z01-125E/208E/209E/212E       |  |       |
|                             |                                  |       |                   | 2106                           |                   | 17        | C                      | 18      | 20/1 | 2000   | LCL                | 4LDC1T-16S-A LCP POWER                      |  |       |
|                             | SPARE                            |       |                   | 0                              | 20/1              | 19        | A                      | 20      | 20/1 | 2050   | LCL                | 4LDC1T-17P-A LCP POWER                      |  |       |
|                             | 4LDC1T-18S-A LCP POWER           |       | LCL               | 2000                           | 20/1              | 21        | B                      | 22      |      | 0      |                    | SPARE                                       |  |       |
|                             | 4LDC2T-19S-A LCP POWER- ZO1-226E |       | LCL               | 2000                           | 20/1              | 23        | C                      | 24      |      | 0      |                    | SPACE                                       |  |       |
|                             | SPD                              |       | EQ                | 0                              | 30/3              | 25        | A                      | 26      | 70/3 | 0      |                    | E4T1T-18R                                   |  |       |
|                             |                                  |       |                   | 0                              |                   | 27        | B                      | 28      |      | 0      |                    |                                             |  |       |
|                             |                                  |       |                   | 0                              |                   | 29        | C                      | 30      |      | 0      |                    |                                             |  |       |
|                             | DEMAND CATEGORY                  |       | A PH(VA)          | B PH(VA)                       | C PH(VA)          | TOTAL(VA) |                        | NOTES:  |      |        |                    | TOTAL CONNECTED LOAD VA:                    |  | 56523 |
|                             | (None)                           |       | 0                 | 1131                           | 1131              | 2262      |                        |         |      |        |                    | MAX CONNECTED PHASE AMPS:                   |  | 78.5  |
| EQUIPMENT (EQ)              |                                  | 10379 | 14207             | 11054                          | 35640             |           | TOTAL DESIGN LOAD VA:  |         |      |        |                    | 61744                                       |  |       |
| LIGHT AND CONT (LCL)        |                                  | 8105  | 8289              | 7448                           | 23841             |           | MAX DESIGN PHASE AMPS: |         |      |        |                    | 85.3                                        |  |       |
|                             |                                  |       |                   |                                |                   |           |                        |         |      |        |                    |                                             |  |       |
| DESIGN LOAD PHASE SUB-TOTAL |                                  | 18484 | 23627             | 19633                          | 61744             |           |                        |         |      |        |                    |                                             |  |       |

|           |           |
|-----------|-----------|
| E4L1T-17D | E4L1T-18R |
|-----------|-----------|

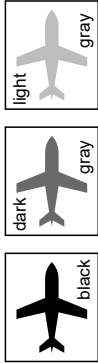
|  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                |  |                         |  |  |  |  |  |  |  |                               |  |
|--|--|--|--|--|--|--|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--------------------------------|--|-------------------------|--|--|--|--|--|--|--|-------------------------------|--|
|  |  |  |  |  |  |  |  |  |  | <div><div></div><div><div><div></div><div><div>151 SW 1st Avenue #300<br/>Portland, OR 97204</div><div>503.226.2921<br/>pae-engineers.com</div></div></div></div></div> |  |  |  |  |  |  |  |  |  | <div><div></div><div>EXPIRES: 12/31/2026</div></div> |  |  |  |  |  |  |  |  |  | PORTLAND INTERNATIONAL AIRPORT |  |                         |  |  |  |  |  |  |  | SUBMITTED BY<br>BRIAN FRANCIS |  |
|  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | TERMINAL RESTROOM REHABILITATION 2026                                                                                                     |  |  |  |  |  |  |  |  |  | DESIGNED BY<br>A. NGUYEN       |  |                         |  |  |  |  |  |  |  |                               |  |
|  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | EM 480V PANEL SCHEDULES 3 - ELECTRICAL                                                                                                    |  |  |  |  |  |  |  |  |  | DRAWN BY<br>A. NGUYEN          |  |                         |  |  |  |  |  |  |  |                               |  |
|  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                           |  |  |  |  |  |  |  |  |  | CHECKED BY<br>J. MUTSCHLER     |  |                         |  |  |  |  |  |  |  |                               |  |
|  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                           |  |  |  |  |  |  |  |  |  | DATE<br>JULY 2026              |  |                         |  |  |  |  |  |  |  |                               |  |
|  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                           |  |  |  |  |  |  |  |  |  | SHEET NO.<br>163               |  | TYPE<br>CD              |  |  |  |  |  |  |  |                               |  |
|  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                           |  |  |  |  |  |  |  |  |  | DRAWING NO.<br>PDX 2026-510    |  | DISC. SHT. NO.<br>E8.23 |  |  |  |  |  |  |  |                               |  |

IF ELECTRONIC SIGNATURE IS BROKEN OR MISSING - THIS IS NOT A LEGAL DRAWING

DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".

DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".





CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.

| DESIGNATION: 2P1C-C41       |  |                   |          | VOLTAGE(V): 208Y/120V - 3PH-4W |           |   |     |         |      |                           | BUS RATING(A): 100             |      |
|-----------------------------|--|-------------------|----------|--------------------------------|-----------|---|-----|---------|------|---------------------------|--------------------------------|------|
| AVAILABLE FAULT(A): 2153    |  | MAIN: Breaker 100 |          | MOUNTING: Surface              |           |   |     |         |      |                           | ENCLOSURE: NEMA 1              |      |
| DESCRIPTION                 |  | DEMAND            | VA       | BKR A/P                        | CKT       | A | CKT | BKR A/P | VA   | DEMAND                    | DESCRIPTION                    |      |
| RECEPT. C 1031              |  | REC               | 180      | 20/1                           | 1         | A | 2   | 20/1    | 1900 | EQ                        | DAS:IDF # C1026 4 C RU         |      |
| RECEPT. C 1031              |  | REC               | 180      | 20/1                           | 3         | B | 4   | 20/1    | 180  | REC                       | RECEPT C 1037                  |      |
| SPARE                       |  |                   | 0        | 20/1                           | 5         | C | 6   | 20/1    | 180  | REC                       | RECEPT C 1037                  |      |
| RECEPT. C 1025              |  | REC               | 180      | 20/1                           | 7         | A | 8   | 20/1    | 0    |                           | SPARE                          |      |
| RECEPT. C 1025              |  | REC               | 180      | 20/1                           | 9         | B | 10  | 20/1    | 1500 | EQ                        | CC MCKENZIE DATA RACK          |      |
| RECEPT. C 1025              |  | REC               | 180      | 20/1                           | 11        | C | 12  | 20/1    | 720  | EQ                        | CC MCKENZIE COMPUTERS          |      |
| RECEPT. C 1033              |  | REC               | 180      | 20/1                           | 13        | A | 14  | 20/1    | 360  | REC                       | C2038 & C2037 RECEPT           |      |
| RECEPT. C 1033              |  | REC               | 180      | 20/1                           | 15        | B | 16  | 20/1    | 365  | REC                       | C2039 RECEPT & TOWEL DISPENSER |      |
| RECEPT. C 1033              |  | REC               | 180      | 20/1                           | 17        | C | 18  | 20/1    | 1440 | EQ                        | C2039 EWH-101                  |      |
| SPARE                       |  |                   | 0        | 20/1                           | 19        | A | 20  | 20/1    | 0    |                           | SPARE                          |      |
| SPARE                       |  |                   | 0        |                                | 21        | B | 22  |         | 0    |                           | SPACE                          |      |
| SPACE                       |  |                   | 0        |                                | 23        | C | 24  |         | 0    |                           | SPACE                          |      |
| SPACE                       |  |                   | 0        |                                | 25        | A | 26  |         | 0    |                           | SPACE                          |      |
| SPACE                       |  |                   | 0        |                                | 27        | B | 28  |         | 0    |                           | SPACE                          |      |
| SPACE                       |  |                   | 0        |                                | 29        | C | 30  |         | 0    |                           | SPACE                          |      |
| SPACE                       |  |                   | 0        |                                | 31        | A | 32  |         | 0    |                           | SPACE                          |      |
| SPACE                       |  |                   | 0        |                                | 33        | B | 34  |         | 0    |                           | SPACE                          |      |
| SPACE                       |  |                   | 0        |                                | 35        | C | 36  |         | 0    |                           | SPACE                          |      |
| SPACE                       |  |                   | 0        |                                | 37        | A | 38  |         | 0    |                           | SPACE                          |      |
| SPACE                       |  |                   | 0        |                                | 39        | B | 40  |         | 0    |                           | SPACE                          |      |
| SPACE                       |  |                   | 0        |                                | 41        | C | 42  |         | 0    |                           | SPACE                          |      |
| DEMAND CATEGORY             |  | A PH(VA)          | B PH(VA) | C PH(VA)                       | TOTAL(VA) |   |     |         |      | TOTAL CONNECTED LOAD VA:  |                                | 8085 |
| EQUIPMENT (EQ)              |  | 1900              | 1500     | 2160                           | 5560      |   |     |         |      | MAX CONNECTED PHASE AMPS: |                                | 23.3 |
| RECEPTACLES (REC)           |  | 900               | 1085     | 540                            | 2525      |   |     |         |      | TOTAL DESIGN LOAD VA:     |                                | 8085 |
|                             |  |                   |          |                                |           |   |     |         |      | MAX DESIGN PHASE AMPS:    |                                | 23.3 |
|                             |  |                   |          |                                |           |   |     |         |      | NOTES:                    |                                |      |
| DESIGN LOAD PHASE SUB-TOTAL |  | 2800              | 2585     | 2700                           | 8085      |   |     |         |      |                           |                                |      |

| DESIGNATION: 2D2BA             |  |           |          | VOLTAGE(V): 208Y/120V - 3PH-4W |           |     |         |      |        | BUS RATING(A): 225 |                                                         |       |
|--------------------------------|--|-----------|----------|--------------------------------|-----------|-----|---------|------|--------|--------------------|---------------------------------------------------------|-------|
| AVAILABLE FAULT(A): 2727       |  | MAIN: MLO |          | MOUNTING: Surface              |           |     |         |      |        | ENCLOSURE: NEMA 1  |                                                         |       |
| DESCRIPTION                    |  | DEMAND    | VA       | BKR A/P                        | CKT       | CKT | BKR A/P | VA   | DEMAND | DESCRIPTION        |                                                         |       |
| RECEPT. WATER COOLER **        |  | REC       | 750      | 20/1                           | 1         | A   | 2       | 20/1 | 540    | REC                | D2222 RECEPT                                            |       |
| RECEPT. WATER COOLER **        |  | REC       | 750      | 20/1                           | 3         | B   | 4       | 20/1 | 540    | REC                | D2222 D2221 RECEPT                                      |       |
| RECEPT. FLOOR S. COLUMNS **    |  | REC       | 720      | 20/1                           | 5         | C   | 6       | 20/1 | 540    | REC                | D2223 RECEPT                                            |       |
| RECEPT. GATE D6-D8 HOLD RM **  |  | REC       | 540      | 20/1                           | 7         | A   | 8       | 20/1 | 300    | EQ                 | WAYFINDING SIGNS: WM2-003; 004                          |       |
| RECEPT. GATE D6-D8 HOLD RM **  |  | REC       | 540      | 20/1                           | 9         | B   | 10      | 20/1 | 200    | EQ                 | WAYFINDING SIGNS: FM3-024; 025 / FM4-002; 003 / WM2-002 |       |
| RECEPT. FLOOR N. COLUMNS **    |  | REC       | 900      | 20/1                           | 11        | C   | 12      | 20/1 | 900    | REC                | RCPT STANDUP TELE**                                     |       |
| RECEPT. WEST MEZZANINE **      |  | REC       | 1080     | 20/1                           | 13        | A   | 14      | 20/1 | 1500   | EQ                 | AIR PLENUMS W. PENTHOUSE **                             |       |
| RECEPT. WEST MEZZANINE **      |  | REC       | 900      | 20/1                           | 15        | B   | 16      | 20/1 | 1000   | EQ                 | AIR PLENUMS W. PENTHOUSE **                             |       |
| EXHAUST FAN WEST MEZZ. **      |  | REC       | 690      | 15/1                           | 17        | C   | 18      | 20/1 | 1500   | EQ                 | AIR PLENUMS W. PENTHOUSE **                             |       |
| UNIT HEATER WEST MEZZ. **      |  | REC       | 520      | 15/1                           | 19        | A   | 20      | 20/1 | 1000   | EQ                 | AIR PLENUMS W. PENTHOUSE **                             |       |
| UNIT HEATER WEST MEZZ. **      |  | REC       | 520      | 15/1                           | 21        | B   | 22      | 20/1 | 1000   | EQ                 | D2222 HAND DRYER                                        |       |
| RECEPT. PLANTERS LR-T**        |  | EQ        | 900      | 20/1                           | 23        | C   | 24      | 20/1 | 1000   | EQ                 | D2222 HAND DRYER                                        |       |
| LTNG SRVC CNTR DESKS LR-Y*     |  | LCL       | 420      | 20/1                           | 25        | A   | 26      | 20/1 | 1000   | EQ                 | D2223 HAND DRYER                                        |       |
| RECEPT. PLANTERS LR-CC **      |  | EQ        | 900      | 20/1                           | 27        | B   | 28      | 20/1 | 500    | EQ                 | D2223 HAND DRYER                                        |       |
| NIGHT SET BACK PANEL**         |  | EQ        | 200      | 20/1                           | 29        | C   | 30      | 20/1 | 540    | REC                | RECEPT. SERVICE CENTER **                               |       |
| RECEPT. SERVICE CENTER **      |  | EQ        | 500      | 20/1                           | 31        | A   | 32      | 20/1 | 500    | REC                | RECEPT. SERVICE CENTER **                               |       |
| DMX2D-16D-DIN-A - POWER SUPPLY |  | EQ        | 7        | 20/1                           | 33        | B   | 34      | 20/1 | 528    | EQ                 | D2221 RHWP-101                                          |       |
| 4LRC2D-16D-A RLY 8             |  | LCL       | 100      | 20/1                           | 35        | C   | 36      | 20/1 | 240    | EQ                 | D2221 EMV-101; TP-101                                   |       |
| BALLAST CNTRL N. POLE LTS **   |  | LCL       | 500      | 20/1                           | 37        | A   | 38      | 20/1 | 1500   | EQ                 | RECEPT. COPIER **                                       |       |
| BALLAST CNTRL S. POLE LTS **   |  | LCL       | 500      | 20/1                           | 39        | B   | 40      | 20/1 | 1800   | EQ                 | SIGNS FM-4-002/003 DIGITAL MODULE(S)                    |       |
| EMS/NC14 *                     |  | EQ        | 200      | 20/1                           | 41        | C   | 42      | 20/1 | 0      |                    | SPARE                                                   |       |
| DEMAND CATEGORY                |  | A PH(VA)  | B PH(VA) | C PH(VA)                       | TOTAL(VA) |     | NOTES:  |      |        |                    | TOTAL CONNECTED LOAD VA:                                | 28665 |
| EQUIPMENT (EQ)                 |  | 5800      | 5935     | 4040                           | 15775     |     |         |      |        |                    | MAX CONNECTED PHASE AMPS:                               | 88.7  |
| LIGHT AND CONT (LCL)           |  | 1150      | 625      | 0                              | 1775      |     |         |      |        |                    | TOTAL DESIGN LOAD VA:                                   | 28243 |
| RECEPTACLES (REC)              |  | 3632      | 3250     | 3812                           | 10693     |     |         |      |        |                    | MAX DESIGN PHASE AMPS:                                  | 88.1  |
|                                |  |           |          |                                |           |     |         |      |        |                    |                                                         |       |
|                                |  |           |          |                                |           |     |         |      |        |                    |                                                         |       |
| DESIGN LOAD PHASE SUB-TOTAL    |  | 10582     | 9810     | 7852                           | 28243     |     |         |      |        |                    |                                                         |       |

2P1C-C41

2D2BA



151 SW 1st Avenue #300  
Portland, OR 97204

503.226.2921  
pae-engineers.com



PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

208V PANEL SCHEDULES 1 - ELECTRICAL

|                |               |
|----------------|---------------|
| SUBMITTED BY   | BRIAN FRANCIS |
| DESIGNED BY    | A. NGUYEN     |
| DRAWN BY       | A. NGUYEN     |
| CHECKED BY     | J. MUTSCHLER  |
| DATE           | JULY 2026     |
| SHEET NO.      | 164           |
| TYPE           | CD            |
| DISC. SHT. NO. | E8.30         |

2025D031  
DESIGN NUMBER

103101  
PROJECT NUMBER





N

(N)

2D2A

2P1T-7C



 **PAE**      pae-engineers.com  
W 1st Avenue #300      503.226.2921  
nd, OR 97204      pae-engineers.com

REGISTERED PROFESSIONAL  
ENGINEER  
44775PE  
OREGON  
JULY 13, 1999  
GRANT R. PARTHEMER  
7/14/2  
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

# TERMINAL RESTROOM REHABILITATION 2026

## 208V PANEL SCHEDULES 2 - ELECTRICAL

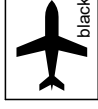
SUBMITTED BY | BRIAN FRANCISA. NOUVEAU

CHECKED BY J. MUTSCHLER

|          |     |      |
|----------|-----|------|
| SHEET NO | 165 | TYPE |
|----------|-----|------|

DDY 2026 510 | 58 31





CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.

|                             |                                     |          |                   |                                |                   |     |     |         |      |        |                           |                                             |       |
|-----------------------------|-------------------------------------|----------|-------------------|--------------------------------|-------------------|-----|-----|---------|------|--------|---------------------------|---------------------------------------------|-------|
| E                           | DESIGNATION: 2P2T-15E-C             |          |                   | VOLTAGE(V): 208Y/120V - 3PH-4W |                   |     |     |         |      |        | BUS RATING(A): 225        |                                             |       |
|                             | AVAILABLE FAULT(A): 5028            |          | MAIN: Breaker 225 |                                | MOUNTING: Surface |     |     |         |      |        |                           | ENCLOSURE: NEMA 1                           |       |
| N                           | DESCRIPTION                         |          | DEMAND            | VA                             | BKR A/P           | CKT | CKT | BKR A/P | VA   | DEMAND | DESCRIPTION               |                                             |       |
|                             | ELEC T2TD58 RCPT                    |          | REC               | 540                            | 20/1              | 1   | A   | 2       | 20/1 | 1260   | REC                       | OFFICE T2TC56 RCPT                          |       |
|                             | T2TC66 RECEPT & BLUE LIGHT PS       |          | EQ                | 250                            | 20/1              | 3   | B   | 4       | 20/1 | 540    | REC                       | EMP SCREENING T2TC57 RCPT                   |       |
|                             | T2TD44 RECEPT & BLUE LIGHT PS       |          | EQ                | 250                            | 20/1              | 5   | C   | 6       | 20/1 | 1440   | REC                       | STOR T2TC59/INTERV T2TC60 RCPT              |       |
|                             | SPARE                               |          |                   | 0                              | 20/1              | 7   | A   | 8       | 20/1 | 1620   | REC                       | EMP SCREENING T2TC57 RCPT                   |       |
|                             | SPARE                               |          |                   | 0                              | 20/1              | 9   | B   | 10      | 20/1 | 1000   | REC                       | T2TD69/T2TD67 RCPTS                         |       |
|                             | SPARE                               |          |                   | 0                              | 20/1              | 11  | C   | 12      | 20/1 | 1100   | REC                       | T2TD69/T2TC67/T2TC66 RCPTS/TOWEL DISPENSERS |       |
|                             | SPARE                               |          |                   | 0                              | 20/1              | 13  | A   | 14      | 20/1 | 900    | EQ                        | T2TD45/T2TD43/T2TD44 RCPT                   |       |
|                             | SPARE                               |          |                   | 0                              | 20/1              | 15  | B   | 16      | 20/1 | 1000   | EQ                        | T2TC44/T2TC45 RCPT/TOWEL DISPENSERS         |       |
|                             | SPARE                               |          |                   | 0                              | 20/1              | 17  | C   | 18      | 20/1 | 1400   | EQ                        | T2TC45/T2TD45/T2TD44/T2TD43 TOWEL DISPENSER |       |
|                             | SPARE                               |          |                   | 0                              | 20/1              | 19  | A   | 20      | 20/1 | 400    | EQ                        | T2TC66 ADULT CHANGING                       |       |
|                             | SPARE                               |          |                   | 0                              | 20/1              | 21  | B   | 22      | 20/1 | 0      |                           | SPARE                                       |       |
|                             | SPARE                               |          |                   | 0                              | 20/1              | 23  | C   | 24      | 20/1 | 1300   | EQ                        | T2TC69/T2TD69 TOWEL DISPENSERS              |       |
|                             | SPARE                               |          |                   | 0                              | 20/1              | 25  | A   | 26      | 20/1 | 400    | EQ                        | T2TC66 ADULT CHANGING                       |       |
|                             | SPARE                               |          |                   | 0                              | 20/1              | 27  | B   | 28      | 20/1 | 0      |                           | SPARE                                       |       |
|                             | SPARE                               |          |                   | 0                              | 20/1              | 29  | C   | 30      |      | 0      |                           | SPARE                                       |       |
|                             | SPARE                               |          |                   | 0                              | 20/1              | 31  | A   | 32      |      | 0      |                           | SPARE                                       |       |
|                             | SPARE                               |          |                   | 0                              | 20/1              | 33  | B   | 34      |      | 0      |                           | SPARE                                       |       |
|                             | SPARE                               |          |                   | 0                              | 20/1              | 35  | C   | 36      |      | 0      |                           | SPARE                                       |       |
|                             | SPACE FOR FUTURE UP TO 100A BREAKER |          |                   |                                | 0                 |     | 37  | A       | 38   |        | 0                         |                                             | SPARE |
|                             |                                     |          |                   | 0                              |                   | 39  | B   | 40      |      | 0      |                           | SPARE                                       |       |
|                             |                                     |          |                   | 0                              |                   | 41  | C   | 42      |      | 0      |                           | SPARE                                       |       |
| DEMAND CATEGORY             |                                     | A PH(VA) | B PH(VA)          | C PH(VA)                       | TOTAL(VA)         |     |     |         |      |        | TOTAL CONNECTED LOAD VA:  |                                             | 13400 |
| EQUIPMENT (EQ)              |                                     | 1700     | 1250              | 2950                           | 5900              |     |     |         |      |        | MAX CONNECTED PHASE AMPS: |                                             | 45.7  |
| RECEPTACLES (REC)           |                                     | 3377     | 1540              | 2540                           | 7457              |     |     |         |      |        | TOTAL DESIGN LOAD VA:     |                                             | 13357 |
|                             |                                     |          |                   |                                |                   |     |     |         |      |        | MAX DESIGN PHASE AMPS:    |                                             | 45.7  |
|                             |                                     |          |                   |                                |                   |     |     |         |      |        | NOTES:                    |                                             |       |
| DESIGN LOAD PHASE SUB-TOTAL |                                     | 5077     | 2790              | 5490                           | 13357             |     |     |         |      |        |                           |                                             |       |

|            |  |
|------------|--|
| 2P2T-15E-C |  |
|------------|--|

[illegible]

|                                                                                                                |                                                                                                                                                                                                            |                                                                                       |
|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  <b>Port of Portland</b>  |                                                                                                                                                                                                            |  |
| <br><b>mwa architects</b> |  <b>PAE</b><br>pae-engineers.com<br>151 SW 1st Avenue #300<br>Portland, OR 97204<br>503.226.2921<br>pae-engineers.com |                                                                                       |
| 2025D031<br>DESIGN NUMBER                                                                                      | 103101<br>PROJECT NUMBER                                                                                                                                                                                   | 7/14/26<br>EXPIRES: 12/31/2026                                                        |

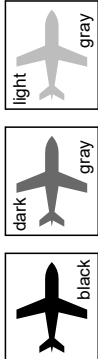
|                                                                                                                        |              |  |               |              |                |       |
|------------------------------------------------------------------------------------------------------------------------|--------------|--|---------------|--------------|----------------|-------|
| PORTLAND INTERNATIONAL AIRPORT<br><br>TERMINAL RESTROOM REHABILITATION 2026<br><br>208V PANEL SCHEDULES 3 - ELECTRICAL | SUBMITTED BY |  | BRIAN FRANCIS |              |                |       |
|                                                                                                                        | DESIGNED BY  |  | A. NGUYEN     |              |                |       |
|                                                                                                                        | DRAWN BY     |  | A. NGUYEN     |              |                |       |
|                                                                                                                        | CHECKED BY   |  | J. MUTSCHLER  |              |                |       |
|                                                                                                                        | DATE         |  | JULY 2026     |              |                |       |
|                                                                                                                        | SHEET NO.    |  | 166           | TYPE         | CD             |       |
|                                                                                                                        | DRAWING NO.  |  |               | PDX 2026-510 | DISC. SHT. NO. | E8.32 |

DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".

0 1/4" 1/2" 1" 2"

GRAPHIC SCALE: FOR REFERENCE ONLY





CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.

| (E)                                 | DESIGNATION: 2P2T-15Q-C |                   |          |                   | VOLTAGE(V): 208Y/120V - 3PH-4W |   |        |         |      |                           | BUS RATING(A): 225             |       |
|-------------------------------------|-------------------------|-------------------|----------|-------------------|--------------------------------|---|--------|---------|------|---------------------------|--------------------------------|-------|
| AVAILABLE FAULT(A): 4565            |                         | MAIN: Breaker 225 |          | MOUNTING: Surface |                                |   |        |         |      | ENCLOSURE: NEMA 1         |                                |       |
| DESCRIPTION                         |                         | DEMAND            | VA       | BKR A/P           | CKT                            |   | CKT    | BKR A/P | VA   | DEMAND                    | DESCRIPTION                    |       |
| ELEC T2TQ58 RCPT                    |                         | REC               | 540      | 20/1              | 1                              | A | 2      | 20/1    | 1080 | REC                       | OFFICE T2TR56 RCPT             |       |
| GROWTH T2TQ56 RCPT                  |                         | REC               | 720      | 20/1              | 3                              | B | 4      | 20/1    | 900  | REC                       | EMP SCREEN T2TQ60 RCPT         |       |
| T2TQ48 ADULT CHANGING               |                         | EQ                | 400      | 20/1              | 5                              | C | 6      | 20/1    | 720  | REC                       | STOR T2TR63/INTERV T2TR62 RCPT |       |
| SPARE                               |                         |                   | 0        | 20/1              | 7                              | A | 8      | 20/1    | 720  | REC                       | EMP SCREEN T2TQ60 RCPT         |       |
| T2TQ48 RECEPT & BLUE LIGHT PS       |                         | EQ                | 250      | 20/1              | 9                              | B | 10     | 20/1    | 900  | REC                       | EMP SCREEN T2TQ60 RCPT         |       |
| T2TQ69 RCPT                         |                         | REC               | 540      | 20/1              | 11                             | C | 12     | 20/1    | 720  | REC                       | T2TQ69/T2TR68/T2TR69 RCPTS     |       |
| T2TQ66 RECEPT & BLUE LIGHT PS       |                         | EQ                | 250      | 20/1              | 13                             | A | 14     | 20/1    | 540  | REC                       | T2TQ67 RCPTS                   |       |
| T2TQ66 ADULT CHANGING               |                         | EQ                | 400      | 20/1              | 15                             | B | 16     | 20/1    | 1080 | REC                       | T2TR46/T2TR45 RCPTS            |       |
| SPARE                               |                         |                   | 0        | 20/1              | 17                             | C | 18     | 20/1    | 900  | REC                       | T2TQ45/T2TQ46 RCPT             |       |
| SPARE                               |                         |                   | 0        | 20/1              | 19                             | A | 20     | 20/1    | 0    |                           | SPARE                          |       |
| SPARE                               |                         |                   | 0        | 20/1              | 21                             | B | 22     | 20/1    | 0    |                           | SPARE                          |       |
| SPARE                               |                         |                   | 0        | 20/1              | 23                             | C | 24     | 20/1    | 0    |                           | SPARE                          |       |
| SPARE                               |                         |                   | 0        | 20/1              | 25                             | A | 26     | 20/1    | 0    |                           | SPARE                          |       |
| SPARE                               |                         |                   | 0        | 20/1              | 27                             | B | 28     | 20/1    | 0    |                           | SPARE                          |       |
| SPARE                               |                         |                   | 0        | 20/1              | 29                             | C | 30     | 20/1    | 0    |                           | SPARE                          |       |
| SPARE                               |                         |                   | 0        | 20/1              | 31                             | A | 32     | 20/1    | 0    |                           | SPARE                          |       |
| SPARE                               |                         |                   | 0        | 20/1              | 33                             | B | 34     | 20/1    | 0    |                           | SPARE                          |       |
| SPARE                               |                         |                   | 0        | 20/1              | 35                             | C | 36     | 20/1    | 0    |                           | SPARE                          |       |
| SPACE FOR FUTURE UP TO 100A BREAKER |                         |                   | 0        |                   | 37                             | A | 38     | 20/1    | 0    |                           | SPARE                          |       |
|                                     |                         |                   | 0        |                   | 39                             | B | 40     | 20/1    | 0    |                           | SPARE                          |       |
|                                     |                         |                   | 0        |                   | 41                             | C | 42     | 20/1    | 0    |                           | SPARE                          |       |
| DEMAND CATEGORY                     |                         | A PH(VA)          | B PH(VA) | C PH(VA)          | TOTAL(VA)                      |   | NOTES: |         |      | TOTAL CONNECTED LOAD VA:  |                                | 10660 |
| EQUIPMENT (EQ)                      |                         | 250               | 650      | 400               | 1300                           |   |        |         |      | MAX CONNECTED PHASE AMPS: |                                | 35.4  |
| RECEPTACLES (REC)                   |                         | 2880              | 3467     | 2880              | 9227                           |   |        |         |      | TOTAL DESIGN LOAD VA:     |                                | 10527 |
|                                     |                         |                   |          |                   |                                |   |        |         |      | MAX DESIGN PHASE AMPS:    |                                | 34.3  |
|                                     |                         |                   |          |                   |                                |   |        |         |      |                           |                                |       |
| DESIGN LOAD PHASE SUB-TOTAL         |                         | 3130              | 4117     | 3280              | 10527                          |   |        |         |      |                           |                                |       |

| (E)                               | DESIGNATION: 2P1T-15S-A  |          |                   | VOLTAGE(V): 208Y/120V - 3PH-4W |           |   |     |         |      |                           | BUS RATING(A): 225             |       |
|-----------------------------------|--------------------------|----------|-------------------|--------------------------------|-----------|---|-----|---------|------|---------------------------|--------------------------------|-------|
|                                   | AVAILABLE FAULT(A): 3631 |          | MAIN: Breaker 225 | MOUNTING: Surface              |           |   |     |         |      |                           | ENCLOSURE: NEMA 1              |       |
| DESCRIPTION                       |                          | DEMAND   | VA                | BKR A/P                        | CKT       |   | CKT | BKR A/P | VA   | DEMAND                    | DESCRIPTION                    |       |
| SUBFEED - PANEL 2P1T-15S-B        |                          |          | 0                 | 70/3                           | 1         | A | 2   | 20/1    | 180  | REC                       | PLAZA T2TS63 RCPT              |       |
|                                   |                          |          | 0                 |                                | 3         | B | 4   | 20/1    | 1000 | EQ                        | ELV T42 COOLER                 |       |
|                                   |                          |          | 0                 |                                | 5         | C | 6   | 20/1    | 500  | REC                       | ELEV MACH T1TS63               |       |
| Z02-240                           |                          | EQ       | 500               | 20/1                           | 7         | A | 8   | 20/1    | 500  | EQ                        | ELV T1 PIT RCPT                |       |
| Z01-136                           |                          | EQ       | 40                | 20/1                           | 9         | B | 10  | 15/1    | 540  | REC                       | T2TS35 RECEPT                  |       |
| SPARE                             |                          |          | 0                 | 20/1                           | 11        | C | 12  | 20/1    | 120  | EQ                        | T2TS35 EMV-104;                |       |
| SPARE                             |                          |          | 0                 | 20/1                           | 13        | A | 14  | 20/1    | 120  | EQ                        | T2TS35 IRR-101                 |       |
| EF-T-TSTSE5-01                    |                          | EQ       | 57                | 20/1                           | 15        | B | 16  | 20/1    | 0    |                           | SPARE                          |       |
| ITP-36/37/38/39 MAINT RCPT        |                          | REC      | 720               | 20/1                           | 17        | C | 18  | 20/1    | 540  | REC                       | RETAIL T2TS45/STOR T2TS35 RCPT |       |
| ITP-36/37 SOUND MODULE            |                          | EQ       | 1920              | 20/1                           | 19        | A | 20  | 20/1    | 180  | EQ                        | EVC-003                        |       |
| ITP-38/39 SOUND MODULE            |                          | EQ       | 1920              | 20/1                           | 21        | B | 22  | 20/1    | 180  | EQ                        | EVC-004                        |       |
| BSI ELEC T1TS52 TENANT METER RCPT |                          | REC      | 180               | 20/1                           | 23        | C | 24  | 20/1    | 1623 | LCL                       | Z02-207/235/245 Z01-245:248    |       |
| T2TS53 ADVERTISING POWER          |                          | EQ       | 500               | 20/1                           | 25        | A | 26  | 20/1    | 0    |                           | SPARE                          |       |
| BSI ELEC T1TS52 TENANT ROUTER     |                          | EQ       | 500               | 20/1                           | 27        | B | 28  | 20/1    | 0    |                           | SPARE                          |       |
| ITP-33 SOUND MODULE               |                          | EQ       | 960               | 20/1                           | 29        | C | 30  | 20/1    | 0    |                           | SPARE                          |       |
| ELV T42 PIT RCPT                  |                          | EQ       | 180               | 20/1                           | 31        | A | 32  | 20/1    | 0    |                           | SPARE                          |       |
| SPARE                             |                          |          | 0                 | 15/1                           | 33        | B | 34  | 20/1    | 0    |                           | SPARE                          |       |
| STOR T2TS30 RCPT                  |                          | REC      | 360               | 20/1                           | 35        | C | 36  | 20/1    | 0    |                           | SPARE                          |       |
| POWER MONITOR                     |                          |          | 0                 | 20/3                           | 37        | A | 38  | 20/1    | 0    |                           | SPARE                          |       |
|                                   |                          |          | 0                 |                                | 39        | B | 40  | 20/1    | 360  | REC                       | POP STOR T2TR42                |       |
|                                   |                          |          | 0                 |                                | 41        | C | 42  | 20/1    | 0    |                           | SPARE                          |       |
| DEMAND CATEGORY                   |                          | A PH(VA) | B PH(VA)          | C PH(VA)                       | TOTAL(VA) |   |     |         |      | TOTAL CONNECTED LOAD VA:  |                                | 21022 |
| EQUIPMENT (EQ)                    |                          | 6060     | 6181              | 3120                           | 15361     |   |     |         |      | MAX CONNECTED PHASE AMPS: |                                | 64.1  |
| LIGHT AND CONT (LCL)              |                          | 0        | 0                 | 2626                           | 2626      |   |     |         |      | TOTAL DESIGN LOAD VA:     |                                | 21547 |
| RECEPTACLES (REC)                 |                          | 180      | 900               | 2480                           | 3560      |   |     |         |      | MAX DESIGN PHASE AMPS:    |                                | 68.5  |
|                                   |                          |          |                   |                                |           |   |     |         |      | NOTES:                    |                                |       |
|                                   |                          |          |                   |                                |           |   |     |         |      |                           |                                |       |
| DESIGN LOAD PHASE SUB-TOTAL       |                          | 6240     | 7081              | 8226                           | 21547     |   |     |         |      |                           |                                |       |

|            |            |
|------------|------------|
| 2P2T-15Q-C | 2P1T-15S-A |
|------------|------------|

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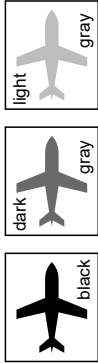
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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <span style="font-size: 24pt; font-weight: bold; vertical-align: middle;">Port of Portland</span> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|  <span style="font-size: 24pt; font-weight: bold;">mwa architects</span>              | <div style="text-align: right;">  <span style="font-size: 24pt; font-weight: bold;">PAE</span> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="text-align: center;"> <p>151 SW 1st Avenue #300<br/>Portland, OR 97204</p> </div> <div style="text-align: center;"> <p>503.226.2921<br/>pae-engineers.com</p> </div> </div> |
| <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between;"> <span>2025D031</span> <span>DESIGN NUMBER</span> </div>                            | <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between;"> <span>103101</span> <span>PROJECT NUMBER</span> </div>                                                                                                                                                                                                                                                                                                                    |



|                                       |
|---------------------------------------|
| PORTLAND INTERNATIONAL AIRPORT        |
| TERMINAL RESTROOM REHABILITATION 2026 |
| 208V PANEL SCHEDULES 4 - ELECTRICAL   |

|              |               |      |                         |
|--------------|---------------|------|-------------------------|
| SUBMITTED BY | BRIAN FRANCIS |      |                         |
| DESIGNED BY  | A. NGUYEN     |      |                         |
| DRAWN BY     | A. NGUYEN     |      |                         |
| CHECKED BY   | J. MUTSCHLER  |      |                         |
| DATE         | JULY 2026     |      |                         |
| SHEET NO.    | 167           | TYPE | CD                      |
| DRAWING NO.  | PDX 2026-510  |      | DISC. SHT. NO.<br>E8.33 |





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| DESIGNATION: 2P2E-3D                       |  |                   |          | VOLTAGE(V): 208Y/120V - 3PH-4W |           |   |        |         |     |        |                                                                           | BUS RATING(A): 225 |      |  |
|--------------------------------------------|--|-------------------|----------|--------------------------------|-----------|---|--------|---------|-----|--------|---------------------------------------------------------------------------|--------------------|------|--|
| AVAILABLE FAULT(A): 3551                   |  | MAIN: Breaker 225 |          | MOUNTING: Surface              |           |   |        |         |     |        |                                                                           | ENCLOSURE: NEMA 1  |      |  |
| DESCRIPTION                                |  | DEMAND            | VA       | BKR A/P                        | CKT       |   | CKT    | BKR A/P | VA  | DEMAND | DESCRIPTION                                                               |                    |      |  |
| AHU-T-3-01 RCPT + LTG; EF-T-T2TSE5-02 RCPT |  | (N) LCL           | 480      | 15/1                           | 1         | A | 2      | 20/1    | 540 | EQ     | FSD-T-T1TS50-03 & T-T1TS50-04 TP-T1TU40 & T1TT33 & T1TT30 & T2TS05-01&-02 |                    |      |  |
| TP-T2TS05                                  |  | EQ (N)            | 200      | 20/1                           | 3         | B | 4      | 20/1    | 0   |        | SPARE                                                                     |                    |      |  |
| SPARE                                      |  |                   | 0        | 20/1                           | 5         | C | 6      | 20/1    | 555 | EQ     | UH-T-T1TU40-01                                                            |                    |      |  |
| DDC-T-T1TS50-01                            |  | EQ                | 100      | 20/1                           | 7         | A | 8      | 20/1    | 324 | EQ     | FACU ZONE RZ-1 LOOP 1                                                     |                    |      |  |
| MAU-T-T1TS50-01 CONTROLS                   |  | LCL               | 100      | 20/1                           | 9         | B | 10     | 20/1    | 324 | EQ     | FACU ZONE RZ-1 LOOP 2                                                     |                    |      |  |
| DDC-T-T1TS50-04                            |  | EQ                | 100      | 20/1                           | 11        | C | 12     | 20/1    | 0   |        | SPARE                                                                     |                    |      |  |
| AHU-T-T2TS05-01 RCPT + LTG                 |  | LCL               | 300      | 20/1                           | 13        | A | 14     | 15/1    | 275 | EQ     | FC-T-T2TR53-01 + COND PUMP                                                |                    |      |  |
| ESC T38 RCPT + LTG                         |  | REC               | 720      | 20/1                           | 15        | B | 16     | 20/1    | 555 | EQ     | UH-T-T1TA25-01                                                            |                    |      |  |
| SPARE                                      |  |                   | 0        | 20/1                           | 17        | C | 18     | 20/1    | 171 | EQ     | FACU ZONE RZ-1 LOOP 3                                                     |                    |      |  |
| DDC-T-T1TT10-01 02                         |  | EQ                | 300      | 20/1                           | 19        | A | 20     | 20/1    | 324 | EQ     | FACU ZONE RZ-2 LOOP 1                                                     |                    |      |  |
| DDC-T-E301101-01                           |  | EQ                | 100      | 20/1                           | 21        | B | 22     | 20/1    | 324 | EQ     | FACU ZONE RZ-2 LOOP 2                                                     |                    |      |  |
| ESC T39 RCPT + LTG                         |  | REC               | 660      | 20/1                           | 23        | C | 24     | 20/1    | 0   |        | SPARE                                                                     |                    |      |  |
| SPARE                                      |  |                   | 0        | 20/1                           | 25        | A | 26     | 20/1    | 0   |        | SPARE                                                                     |                    |      |  |
| SPARE                                      |  |                   | 0        | 20/1                           | 27        | B | 28     | 20/1    | 0   |        | SPARE                                                                     |                    |      |  |
| SPARE                                      |  |                   | 0        | 20/1                           | 29        | C | 30     | 20/1    | 0   |        | SPARE                                                                     |                    |      |  |
| SPARE                                      |  |                   | 0        | 20/1                           | 31        | A | 32     | 20/1    | 0   |        | SPARE                                                                     |                    |      |  |
| SPARE                                      |  |                   | 0        | 20/1                           | 33        | B | 34     | 20/1    | 0   |        | SPARE                                                                     |                    |      |  |
| SPARE                                      |  |                   | 0        | 20/1                           | 35        | C | 36     | 20/1    | 0   |        | SPARE                                                                     |                    |      |  |
| SPACE FOR FUTURE 3-POLE BREAKER            |  |                   | 0        | 20/1                           | 37        | A | 38     | 20/1    | 0   |        | SPACE FOR FUTURE 3-POLE BREAKER                                           |                    |      |  |
| SPACE FOR FUTURE 3-POLE BREAKER            |  |                   | 0        | 20/1                           | 39        | B | 40     | 20/1    | 0   |        | SPACE FOR FUTURE 3-POLE BREAKER                                           |                    |      |  |
| SPACE FOR FUTURE 3-POLE BREAKER            |  |                   | 0        | 20/1                           | 41        | C | 42     | 20/1    | 0   |        | SPACE FOR FUTURE 3-POLE BREAKER                                           |                    |      |  |
| DEMAND CATEGORY                            |  | A PH(VA)          | B PH(VA) | C PH(VA)                       | TOTAL(VA) |   | NOTES: |         |     |        | TOTAL CONNECTED LOAD VA:                                                  |                    | 6272 |  |
| EQUIPMENT (EQ)                             |  | 1863              | 1503     | 826                            | 4192      |   |        |         |     |        | MAX CONNECTED PHASE AMPS:                                                 |                    | 20.5 |  |
| LIGHT AND CONT (LCL)                       |  | 750               | 125      | 0                              | 875       |   |        |         |     |        | TOTAL DESIGN LOAD VA:                                                     |                    | 6447 |  |
| RECEPTACLES (REC)                          |  | 0                 | 720      | 660                            | 1380      |   |        |         |     |        | MAX DESIGN PHASE AMPS:                                                    |                    | 21.8 |  |
|                                            |  |                   |          |                                |           |   |        |         |     |        |                                                                           |                    |      |  |
| DESIGN LOAD PHASE SUB-TOTAL                |  | 2613              | 2348     | 1486                           | 6447      |   |        |         |     |        |                                                                           |                    |      |  |

2P2E-3D



mwa architects

PAE pae-engineers.com

151 SW 1st Avenue #300  
Portland, OR 97204 503.226.2921  
pae-engineers.com



OREGON  
JULY 13, 1999  
GRANT R. PARTHEMER  
EXPIRES: 12/31/2026 7/14/26

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

208V PANEL SCHEDULES 5 - ELECTRICAL

SUBMITTED BY BRIAN FRANCIS

DESIGNED BY A. NGUYEN

DRAWN BY A. NGUYEN

CHECKED BY J. MUTSCHLER

DATE JULY 2026

SHEET NO. 168

TYPE CD

DRAWING NO.

PDX 2026-510

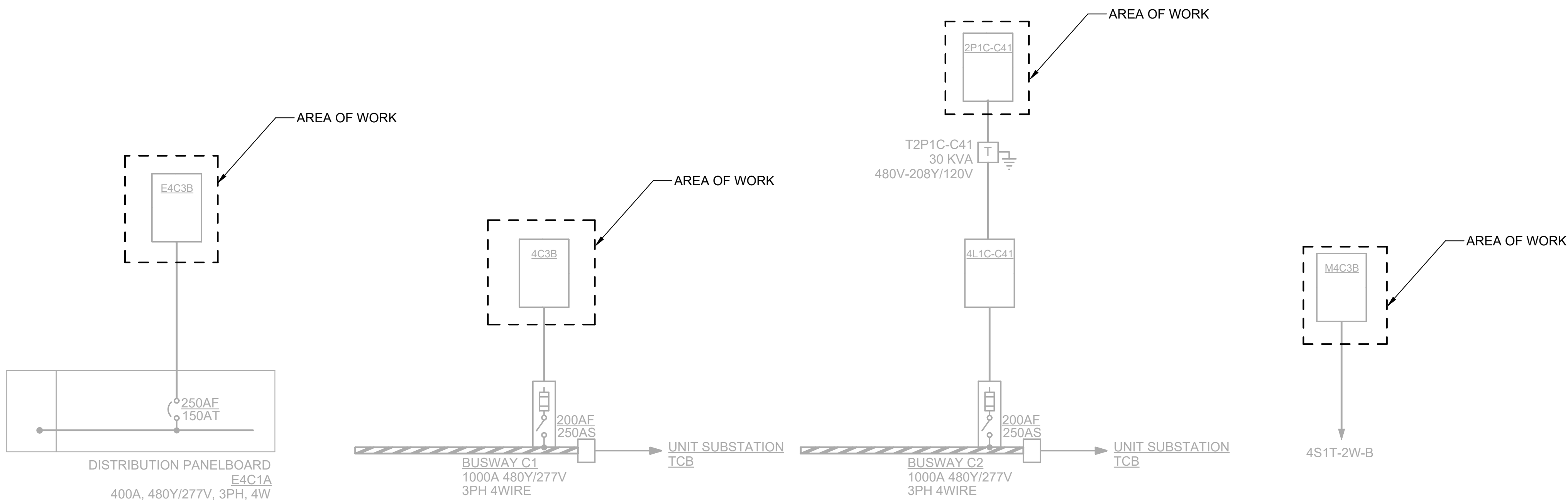
DISC. SHT. NO.

E8.34





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## NOTES

1. ALL EQUIPMENT SHOWN IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

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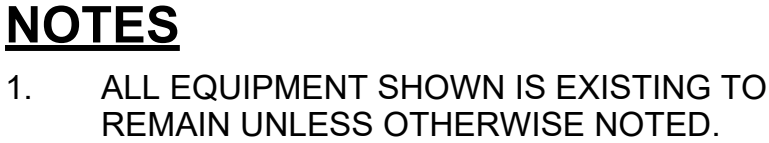
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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <span style="font-size: 24px; font-weight: bold; vertical-align: middle;">Port of Portland</span> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|  <span style="font-size: 24px; font-weight: bold;">mwa architects</span>              | <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <span style="font-size: 24px; font-weight: bold;">PAE</span> </div> <div style="text-align: right;"> <a href="http://pae-engineers.com" style="color: #000080; text-decoration: none;">pae-engineers.com</a> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: center;">             151 SW 1st Avenue #300<br/>             Portland, OR 97204         </div> <div style="text-align: right;">             503.226.2921<br/> <a href="http://pae-engineers.com" style="color: #000080; text-decoration: none;">pae-engineers.com</a> </div> </div> |
| <div style="border-bottom: 1px solid black; display: flex; justify-content: space-between;"> <span style="flex-grow: 1;">2025D031</span> <span>DESIGN NUMBER</span> </div>                                              | <div style="border-bottom: 1px solid black; display: flex; justify-content: space-between;"> <span style="flex-grow: 1;">103101</span> <span>PROJECT NUMBER</span> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



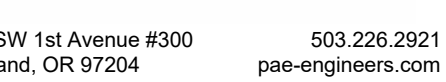
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|--------------------------------------------|
| PORTLAND INTERNATIONAL AIRPORT             |
| TERMINAL RESTROOM REHABILITATION 2026      |
| CONCOURSE C PARTIAL ONE LINES - ELECTRICAL |

|              |               |      |                        |
|--------------|---------------|------|------------------------|
| SUBMITTED BY | BRIAN FRANCIS |      |                        |
| DESIGNED BY  | A. NGUYEN     |      |                        |
| DRAWN BY     | A. NGUYEN     |      |                        |
| CHECKED BY   | J. MUTSCHLER  |      |                        |
| DATE         | JULY 2026     |      |                        |
| SHEET NO.    | 169           | TYPE | CD                     |
| DRAWING NO.  | PDX 2026-510  |      | DISC SHT. NO.<br>E9.01 |





The diagram illustrates the existing power system. On the left, a **DISTRIBUTION PANELBOARD** (E4SDP, 400A, 480Y/277V, 3PH, 4W) is shown. It has two feeders: one to **E4D2B** (250AF, 200AT) and another to **E4D2A** (125AF, 100AT). Both E4D2B and E4D2A are enclosed in dashed boxes labeled **AREA OF WORK**. On the right, a **UNIT SUBSTATION** (TDB) is shown. It includes a **BUSWAY D1** (1000A 480Y/277V, 3PH 4WIRE) connected to a **200AF 250AS** (200A, 250V) circuit breaker. Above the busway is a **4D2A** (400A, 480Y/277V, 3PH, 4W) circuit breaker. Above 4D2A is a **4T1T-7C 45 KVA 480V-208Y/120V** transformer. Above the transformer is a **2D2A** (200A, 250V) circuit breaker, which is also enclosed in a dashed box labeled **AREA OF WORK**.

 **Port of Portland**

## TERMINAL RESTROOM REHABILITATION 2026

## CONCOURSE D PARTIAL ONE LINES - ELECTRICAL

|              |               |                 |    |
|--------------|---------------|-----------------|----|
| SUBMITTED BY | BRIAN FRANCIS |                 |    |
| DESIGNED BY  | A. NGUYEN     |                 |    |
| DRAWN BY     | A. NGUYEN     |                 |    |
| CHECKED BY   | J. MUTSCHLER  |                 |    |
| DATE         | JULY 2026     |                 |    |
| SHEET NO.    | 170           | TYPE            | CD |
| DRAWING NO.  |               | DISC. SHIT. NO. |    |
| PDX 2026-510 |               | E9.02           |    |





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|                                                                                                                 |                                                                                                                                                                                                                       |
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|  <p>mwa architects</p>     |  <p>PAE<br/>pae-engineers.com</p> <p>151 SW 1st Avenue #300<br/>Portland, OR 97204</p> <p>503.226.2921<br/>pae-engineers.com</p> |
| <p>2025D031</p> <p>DESIGN NUMBER</p>                                                                            | <p>103101</p> <p>PROJECT NUMBER</p>                                                                                                                                                                                   |



|                                              |              |  |                |         |
|----------------------------------------------|--------------|--|----------------|---------|
| PORTLAND INTERNATIONAL AIRPORT               | SUBMITTED BY |  | BRIAN FRANCIS  |         |
|                                              | DESIGNED BY  |  | A. NGUYEN      |         |
| TERMINAL RESTROOM REHABILITATION 2026        | DRAWN BY     |  | A. NGUYEN      |         |
|                                              | CHECKED BY   |  | J. MUTSCHLER   |         |
| MAIN TERMINAL PARTIAL ONE LINES - ELECTRICAL | DATE         |  | JULY 2026      |         |
|                                              | SHEET NO.    |  | 171            | TYPE CD |
|                                              | DRAWING NO.  |  | DISC. SHT. NO. |         |
|                                              | PDX 2026-510 |  | E9.03          |         |