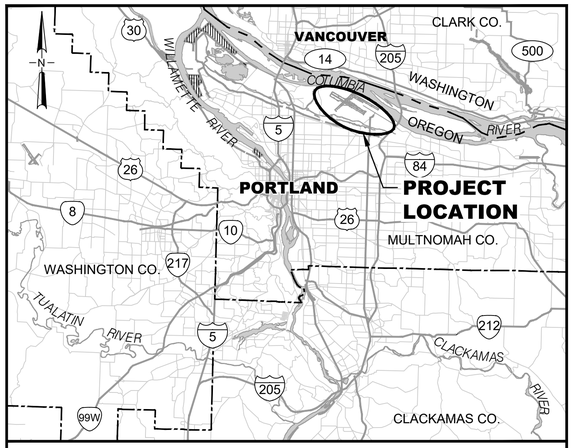
Port of Portland

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026



PROJECT LOCATION

SHEET INDEX

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PORT OF PORTLAND COMMISSION

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RICHELLE LUTHER - VICE PRESIDENT
KETAN SAMPAT - SECRETARY
KATHERINE LAM - TREASURER
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MEG NIEMI
STUART STRADER
MICHAEL JORDAN

PORT OF PORTLAND

CURTIS ROBINHOLD - EXECUTIVE DIRECTOR
DAN GILKISON - ENGINEERING DIRECTOR

BID SET

JULY 2026

JANELLE BRANNAN
PROJECT MANAGER

103101	2025D031	PDX 2026-510
PAN #	EAN #	DRAWING #

light gray
dark gray
black

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.

GENERAL INFORMATION

1 GI.01 SHEET INDEX
2 GI.04 SYMBOLS, LEGENDS, & ABBREVIATIONS
3 GI.06 VICINITY MAP AND PHASING PLAN
4 GI.07 HAUL ROUTE EXHIBIT

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6 A1.00 CONCOURSE C - SECTOR 5 - C2039 - ENPLANING - DEMO PLAN
7 A1.01 CONCOURSE D - SECTOR 2 - D2221, D2222, D2223 - ENPLANING - DEMO PLAN
8 A1.02 CONCOURSE D - SECTOR 3 - D2642, D2644 - ENPLANING - DEMO PLAN
9 A1.03 TERMINAL - SECTOR E5 - T1732, T1733, T1734 - DEPLANING - DEMO PLAN
10 A1.05 TERMINAL - SECTOR E1 - T2TS35 - ENPLANING - DEMO PLAN
11 A2.00 CONCOURSE C - SECTOR 5 - C2039 - ENPLANING - DEMO RCP
12 A2.01 CONCOURSE D - SECTOR 2 - D2221, D2222, D2223 - ENPLANING - DEMO RCP
13 A2.02 CONCOURSE D - SECTOR 3 - D2642, D2644 - ENPLANING - DEMO RCP
14 A2.03 TERMINAL - SECTOR E5 - T1732, T1733, T1734 - DEPLANING - DEMO RCP
15 A3.00 CONCOURSE C - SECTOR 5 - C2039 - ENPLANING - FLOOR PLAN
16 A3.01 CONCOURSE D - SECTOR 2 - D2221, D2222, D2223 - ENPLANING - FLOOR PLAN
17 A3.02 CONCOURSE D - SECTOR 3 - D24020 - ENPLANING - FLOOR PLAN
18 A3.03 TERMINAL - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - DEPLANING - FLOOR PLAN
19 A3.04 TERMINAL - SECTOR W5, SECTOR E5, SECTOR E2, SECTOR W - T2TC66, T2TD44, T2TQ48, T2TQ66 - ENPLANING - FLOOR PLAN
20 A3.05 TERMINAL - SECTOR E1 - T2TS40 - ENPLANING - FLOOR PLAN
21 A3.06 TERMINAL - SECTOR E1 - T2TS40 - ENPLANING - ROOF PLAN
22 A4.00 CONCOURSE C - SECTOR 5 - C2039 - ENPLANING - RCP
23 A4.01 CONCOURSE D - SECTOR 2 - D2221, D2222, D2223 - ENPLANING - RCP
24 A4.02 CONCOURSE D - SECTOR 3 - D24020 - ENPLANING - RCP
25 A4.03 TERMINAL - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - DEPLANING - RCP
26 A4.04 TERMINAL - SECTOR W5, SECTOR E5, SECTOR E2, SECTOR W - T2TC66, T2TD44, T2TQ48, T2TQ66 - ENPLANING - RCP
27 A4.05 TERMINAL - SECTOR E1 - T2TS40 - ENPLANING - RCP
28 A5.00 WALL SECTIONS 1
29 A6.00 INTERIOR ELEVATIONS - DEMO
30 A7.00 INTERIOR ELEVATIONS 1
31 A7.01 INTERIOR ELEVATIONS 2
32 A7.02 INTERIOR ELEVATIONS 3
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34 A8.01 CONCOURSE D - SECTOR 2 - D2221, D2222, D2223 - ENPLANING - FINISH PLAN
35 A8.02 CONCOURSE D - SECTOR 3 - D24020 - ENPLANING - FINISH PLAN
36 A8.03 TERMINAL - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - DEPLANING - FINISH PLAN
37 A8.04 TERMINAL - SECTOR W5, SECTOR E5, SECTOR E2, SECTOR W - T2TC66, T2TD44, T2TQ48, T2TQ66 - ENPLANING - FINISH PLAN
38 A8.05 TERMINAL - SECTOR E1 - T2TS40 - ENPLANING - FINISH PLAN
39 A9.00 ACCESSORY PLANS 1
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43 A11.01 DETAILS - PARTITION TYPES
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45 A11.03 DETAILS - PLAN 1
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47 A11.05 DETAILS - PLAN 3
48 A11.06 DETAILS - SECTION 1
49 A11.07 DETAILS - SECTION 2
50 A11.08 DETAILS - SECTION 3
51 A11.09 DETAILS - SECTION 4

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56 S2.01 TERMINAL PARTIAL PLANS 1
57 S2.02 TERMINAL PARTIAL PLANS 2
58 S6.00 STRUCTURAL FRAMING DETAILS
59 S6.01 STRUCTURAL FRAMING DETAILS

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60 M0.01 SYMBOLS, LEGENDS, & ABBREVIATIONS - MECHANICAL
61 M0.02 EQUIPMENT SCHEDULE 1 - MECHANICAL
62 M0.03 EQUIPMENT SCHEDULE 2 - MECHANICAL
63 M0.10 DEPLANING LEVEL - KEY PLAN - MECHANICAL
64 M0.20 ENPLANING LEVEL - KEY PLAN - MECHANICAL
65 M1.00 CONCOURSE C - ENPLANING - SECTOR 5 - C2039 - DEMO PLAN - MECHANICAL
66 M1.01 CONCOURSE D - ENPLANING - SECTOR 2 - D2221, D2222, D2223 - DEMO PLAN - MECHANICAL
67 M1.02 CONCOURSE D - ENPLANING - SECTOR 3 - D2646, D2647 - DEMO PLAN - MECHANICAL
68 M1.03 TERMINAL - DEPLANING - SECTOR E5 - T1732, T1733, T1734 - DEMO PLAN - MECHANICAL

MECHANICAL CONT.

69 M2.00 CONCOURSE C - ENPLANING - SECTOR 5 - C2039 - FLOOR PLAN - MECHANICAL
70 M2.01 CONCOURSE D - ENPLANING - SECTOR 2 - D2221, D2222, D2223 - FLOOR PLAN - MECHANICAL
71 M2.02 CONCOURSE D - ENPLANING - SECTOR 3 - D24020 - FLOOR PLAN - MECHANICAL
72 M2.03 TERMINAL - DEPLANING - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - FLOOR PLAN - MECHANICAL
73 M2.08 TERMINAL - ENPLANING - SECTOR E1 - T2TS40 - FLOOR PLAN - MECHANICAL
74 M2.09 TERMINAL - ROOF - SECTOR E1 - T2TS40 - ROOF PLAN - MECHANICAL
75 M4.01 PARTIAL PLANS 1 - MECHANICAL
76 M4.02 PARTIAL PLANS 2 - MECHANICAL
77 M4.03 PARTIAL PLANS 3 - MECHANICAL
78 M5.01 DETAILS - MECHANICAL
79 M7.01 CONTROL DIAGRAMS - MECHANICAL

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80 P0.01 SYMBOLS, LEGENDS, & ABBREVIATIONS - PLUMBING
81 P0.03 EQUIPMENT SCHEDULE - PLUMBING
82 P0.10 DEPLANING LEVEL - KEY PLAN - PLUMBING
83 P0.20 ENPLANING LEVEL - KEY PLAN - PLUMBING
84 P1.00 CONCOURSE C - ENPLANING - SECTOR 5 - C2039 - DEMO PLAN - PLUMBING
85 P1.01 CONCOURSE D - ENPLANING - SECTOR 2 - D2221, D2222, D2223 - DEMO PLAN - PLUMBING
86 P1.02 CONCOURSE D - ENPLANING - SECTOR 3 - D2646, D2647 - DEMO PLAN - PLUMBING
87 P1.03 TERMINAL - DEPLANING - SECTOR E5 - T1732, T1733, T1734 - DEMO PLAN - PLUMBING
88 P2.00 CONCOURSE C - ENPLANING - SECTOR 5 - C2039 - FLOOR PLAN - PLUMBING
89 P2.01 CONCOURSE D - ENPLANING - SECTOR 2 - D2221, D2222, D2223 - FLOOR PLAN - PLUMBING
90 P2.02 CONCOURSE D - ENPLANING - SECTOR 3 - D24020 - FLOOR PLAN - PLUMBING
91 P2.03 TERMINAL - DEPLANING - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - FLOOR PLAN - PLUMBING
92 P2.04 TERMINAL - ENPLANING - SECTOR W5, E2 & E5 - FLOOR PLAN - PLUMBING
93 P2.08 TERMINAL - ENPLANING - SECTOR E1 - T2TS40 - FLOOR PLAN - PLUMBING
94 P4.01 PARTIAL PLANS - PLUMBING
95 P4.02 PARTIAL PLANS - PLUMBING
96 P5.01 DETAILS - PLUMBING
97 P5.02 DETAILS - PLUMBING
98 P5.03 DETAILS - PLUMBING
99 P5.04 DETAILS - PLUMBING
100 P5.05 DETAILS - PLUMBING

FIRE PROTECTION

101 FP0.01 SYMBOLS, LEGENDS, & ABBREVIATIONS - FIRE PROTECTION
102 FP0.10 DEPLANING LEVEL - KEY PLAN - FIRE PROTECTION
103 FP0.20 ENPLANING LEVEL - KEY PLAN - FIRE PROTECTION
104 FP2.00 CONCOURSE C - ENPLANING - SECTOR 5 - C2039 - FLOOR PLAN - FIRE PROTECTION
105 FP2.01 CONCOURSE D - ENPLANING - SECTOR 2 - D2221, D2222, D2223 - FLOOR PLAN - FIRE PROTECTION
106 FP2.02 CONCOURSE D - ENPLANING - SECTOR 3 - D24020 - FLOOR PLAN - FIRE PROTECTION
107 FP2.03 TERMINAL - DEPLANING - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - FLOOR PLAN - FIRE PROTECTION
108 FP2.04 TERMINAL - ENPLANING - T2TQ66, T2TD44, T2TQ48, T2TC66 - FLOOR PLAN - FIRE PROTECTION
109 FP2.08 TERMINAL - ENPLANING - SECTOR E1 - T2TS40 - FLOOR PLAN - FIRE PROTECTION

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110 E0.01 SYMBOLS, LEGENDS, & ABBREVIATIONS - ELECTRICAL
111 E0.02 SYMBOLS, LEGENDS, & ABBREVIATIONS 2 - ELECTRICAL
112 E0.03 EQUIPMENT CONNECTION SCHEDULE - ELECTRICAL
113 E0.04 LUMINAIRE SCHEDULE - ELECTRICAL
114 E0.10 DEPLANING LEVEL - KEY PLAN - ELECTRICAL
115 E0.20 ENPLANING LEVEL - KEY PLAN - ELECTRICAL
116 E0.30 MEZZANINE LEVEL - KEY PLAN - ELECTRICAL
117 E1.00 CONCOURSE C - ENPLANING - SECTOR 5 - C2039 - DEMO PLAN - ELECTRICAL
118 E1.01 CONCOURSE D - ENPLANING - SECTOR 2 - D2221, D2222, D2223 - DEMO PLAN - ELECTRICAL
119 E1.02 CONCOURSE D - ENPLANING - SECTOR 3 - D2646, D2647 - DEMO PLAN - ELECTRICAL
120 E1.03 TERMINAL - DEPLANING - SECTOR E5 - T1732, T1733, T1734 - DEPLANING - DEMO PLAN - ELECTRICAL
121 E1.08 TERMINAL - ENPLANING - SECTOR E1 - T2TS35 - DEMO PLAN - ELECTRICAL
122 E2.00 CONCOURSE C - ENPLANING - SECTOR 5 - C2039 - RCP - LIGHTING
123 E2.01 CONCOURSE D - ENPLANING - SECTOR 2 - D2221, D2222, D2223 - RCP - LIGHTING
124 E2.02 CONCOURSE D - ENPLANING - SECTOR 3 - D24020 - RCP - LIGHTING
125 E2.03 TERMINAL - DEPLANING - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - RCP - LIGHTING
126 E2.04 TERMINAL - ENPLANING - SECTOR W5 - T2TC66 - RCP - LIGHTING
127 E2.05 TERMINAL - ENPLANING - SECTOR E5 - T2TD44 - RCP - LIGHTING
128 E2.06 TERMINAL - ENPLANING - SECTOR E2 - T2TQ48 - RCP - LIGHTING
129 E2.07 TERMINAL - ENPLANING - SECTOR W - T2TQ66 - RCP - LIGHTING
130 E2.08 TERMINAL - ENPLANING - SECTOR E1 - T2TS40 - RCP - LIGHTING
131 E3.00 CONCOURSE C - ENPLANING - SECTOR 5 - C2039 - FLOOR PLAN - ELECTRICAL
132 E3.01 CONCOURSE D - ENPLANING - SECTOR 2 - D2221, D2222, D2223 - FLOOR PLAN - ELECTRICAL
133 E3.02 CONCOURSE D - ENPLANING - SECTOR 3 - D24020 - FLOOR PLAN - ELECTRICAL

ELECTRICAL CONT.

134 E3.03 TERMINAL - DEPLANING - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - FLOOR PLAN - ELECTRICAL
135 E3.04 TERMINAL - ENPLANING - SECTOR W5 - T2TC66 - FLOOR PLAN - ELECTRICAL
136 E3.05 TERMINAL - ENPLANING - SECTOR E5 - T2TD44 - FLOOR PLAN - ELECTRICAL
137 E3.06 TERMINAL - ENPLANING - SECTOR E2 - T2TQ48 - FLOOR PLAN - ELECTRICAL
138 E3.07 TERMINAL - ENPLANING - SECTOR 2 - T2TQ66 - FLOOR PLAN - ELECTRICAL
139 E3.08 TERMINAL - ENPLANING - SECTOR E1 - T2TS40 - FLOOR PLAN - ELECTRICAL
140 E3.09 TERMINAL - ROOF - SECTOR E1 - T2TS40 - ROOF PLAN - ELECTRICAL
141 E5.01 SECTIONS & PARTIAL PLANS 1 - ELECTRICAL
142 E5.02 SECTIONS & PARTIAL PLANS 2 - ELECTRICAL
143 E5.03 SECTIONS & PARTIAL PLANS 3 - ELECTRICAL
144 E5.04 SECTIONS & PARTIAL PLANS 4 - ELECTRICAL
145 E6.01 LIGHTING CONTROL RISER - ELECTRICAL
146 E7.01 LIGHTING CONTROL SCHEDULE - ELECTRICAL
147 E7.02 LIGHTING CONTROL SCHEDULE 2 - ELECTRICAL
148 E7.03 LIGHTING CONTROL SCHEDULE 3 - ELECTRICAL
149 E7.04 LIGHTING CONTROL SCHEDULE 4 - ELECTRICAL
150 E7.05 LIGHTING CONTROL SCHEDULE 5 - ELECTRICAL
151 E8.01 DEMO PANEL SCHEDULES 1 - ELECTRICAL
152 E8.02 DEMO PANEL SCHEDULES 2 - ELECTRICAL
153 E8.03 DEMO PANEL SCHEDULES 3 - ELECTRICAL
154 E8.11 480V PANEL SCHEDULES 1 - ELECTRICAL
155 E8.12 480V PANEL SCHEDULES 2 - ELECTRICAL
156 E8.13 480V PANEL SCHEDULES 3 - ELECTRICAL
157 E8.14 480V PANEL SCHEDULES 4 - ELECTRICAL
158 E8.15 480V PANEL SCHEDULES 5 - ELECTRICAL
159 E8.16 480V PANEL SCHEDULES 6 - ELECTRICAL
160 E8.17 480V PANEL SCHEDULES 7 - ELECTRICAL
161 E8.21 EM 480V PANEL SCHEDULES 1 - ELECTRICAL
162 E8.22 EM 480V PANEL SCHEDULES 2 - ELECTRICAL
163 E8.23 EM 480V PANEL SCHEDULES 3 - ELECTRICAL
164 E8.30 208V PANEL SCHEDULES 1 - ELECTRICAL
165 E8.31 208V PANEL SCHEDULES 2 - ELECTRICAL
166 E8.32 208V PANEL SCHEDULES 3 - ELECTRICAL
167 E8.33 208V PANEL SCHEDULES 4 - ELECTRICAL
168 E8.34 208V PANEL SCHEDULES 5 - ELECTRICAL
169 E9.01 CONCOURSE C PARTIAL ONE LINES - ELECTRICAL
170 E9.02 CONCOURSE D PARTIAL ONE LINES - ELECTRICAL
171 E9.03 MAIN TERMINAL PARTIAL ONE LINES - ELECTRICAL

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172 T0.01 SYMBOLS, LEGENDS, & ABBREVIATIONS - TECHNOLOGY
173 T0.10 DEPLANING LEVEL - KEY PLAN - TECHNOLOGY
174 T0.20 ENPLANING LEVEL - KEY PLAN - TECHNOLOGY
175 T1.01 CONCOURSE D - ENPLANING - SECTOR 2 - D2221, D2222, D2223 - DEMO PLAN - TECHNOLOGY
176 T1.03 TERMINAL - DEPLANING - SECTOR E5 - T1732, T1733, T1734 - DEMO PLAN - TECHNOLOGY
177 T2.00 CONCOURSE C - ENPLANING - SECTOR 5 - C2037, C2039 - FLOOR PLAN - TECHNOLOGY
178 T2.01 CONCOURSE D - ENPLANING - SECTOR 2 - D2221, D2222, D2223 - FLOOR PLAN - TECHNOLOGY
179 T2.02 CONCOURSE D - ENPLANING - SECTOR 3 - D24020 - FLOOR PLAN - TECHNOLOGY
180 T2.03 TERMINAL - DEPLANING - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - FLOOR PLAN - TECHNOLOGY
181 T2.04 TERMINAL - ENPLANING - SECTOR W5 - T2TC66 - FLOOR PLAN - TECHNOLOGY
182 T2.05 TERMINAL - ENPLANING - SECTOR E5 - T2TD44 - FLOOR PLAN - TECHNOLOGY
183 T2.06 TERMINAL - ENPLANING - SECTOR E2 - T2TQ48 - FLOOR PLAN - TECHNOLOGY
184 T2.07 TERMINAL - ENPLANING - SECTOR W5 - T2TQ66 - FLOOR PLAN - TECHNOLOGY
185 T2.08 TERMINAL - ENPLANING - SECTOR E1 - T2TS40 - FLOOR PLAN - TECHNOLOGY
186 T5.01 DETAILS - TECHNOLOGY
187 T6.01 DIAGRAMS - TECHNOLOGY
188 T6.02 DIAGRAMS - TECHNOLOGY
189 T7.01 SCHEDULES - TECHNOLOGY

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190 G1.00 SIGNAGE PLANS 1
191 G1.01 SIGNAGE PLANS 2
192 G2.00 DETAILS - SIGNAGE STANDARDS
193 G2.01 DETAILS - SIGN TYPE FM2
194 G2.02 DETAILS - SIGN TYPE ID1, IF2
195 G2.03 DETAILS - SIGN TYPE RR1, RR2, RR4, RR5, RR7
196 G2.04 DETAILS - SIGN TYPE RR8.2, RR8.5.1, RR9
197 G2.05 DETAILS - SIGN TYPE RR10, RR10.1, RR13, RR14, RR15
198 G3.00 SCHEDULES - SIGNAGE

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

SHEET INDEX

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	1
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	GI.01

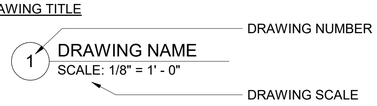
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.

light gray

dark gray

black

DRAWING TITLE



SECTION ELEVATION

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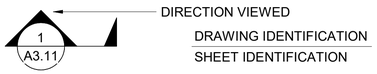

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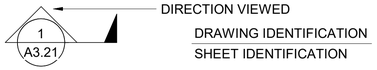
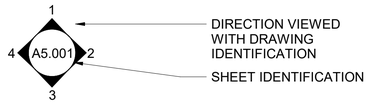


DETAIL REFERENCE

INTERIOR ELEVATION



GRID REFERENCE

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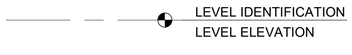

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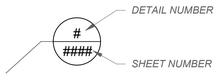

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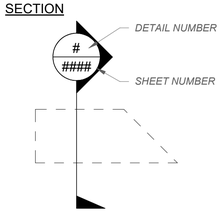
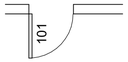


REMOVED DETAIL

Removed details only need to by indicated when they have already been issed as part of an official submittal.

PARTITION TAG

DOOR TAG



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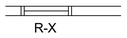

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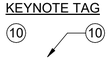
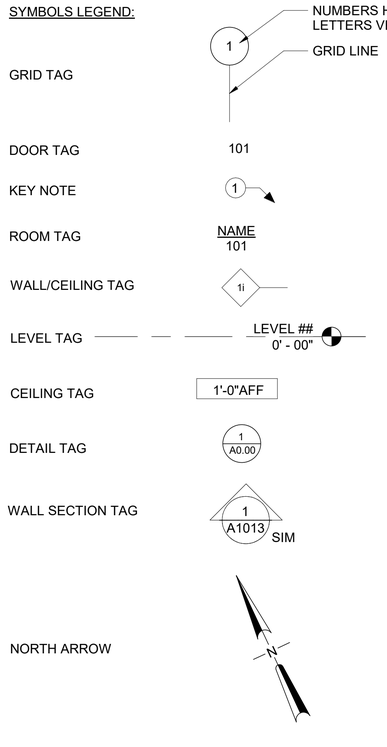
REVISION TAG

KEYNOTE TAG



SYMBOLS LEGEND:



ABBREVIATIONS:

ACT	ACOUSTIC CEILING TILE
AFF	ABOVE FINISH FLOOR
B.O.	BOTTOM OF
B.O.R.S	BOTTOM OF REFLECTIVE SURFACE
C.L.	CENTER LINE
CLR	CLEAR
CONC.	CONCRETE
COORD.	COORDINATE
CSCI	CONTRACTOR SUPPLIED CONTRACTOR INSTALLED
DEMO	DEMOLISH
DIM.	DIMENSION
(E)	EXISTING
ELEV.	ELEVATION
FIN.	FINISH
FOF	FACE OF FINISH
FT.	FOOT
GWB	GYPSUM WALL BOARD
HDW.	HARDWARE
H.M.	HOLLOW METAL
MANF.	MANUFACTURER
MATL.	MATERIAL
MAX.	MAXIMUM
MIN.	MINIMUM
MTL	METAL
(N)	NEW
N.I.C	NOT IN CONTRACT
NO	NUMBER
N.T.S	NOT TO SCALE
O.C.	ON CENTER
OSOI	PORT SUPPLIED PORT INSTALLED
OSCI	PORT SUPPLIED CONTRACTOR INSTALLED
PLYWD	PLYWOOD
RCP	REFLECTED CEILING PLAN
REV	REVISE
RM.	ROOM
R.O.	ROUGH OPENING
SIM.	SIMILAR
SS	STAINLESS STEEL
T.O.	TOP OF
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
VFVI	VENDOR FURNISHED VENDOR INSTALLED

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031
DESIGN NUMBER

103101
PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

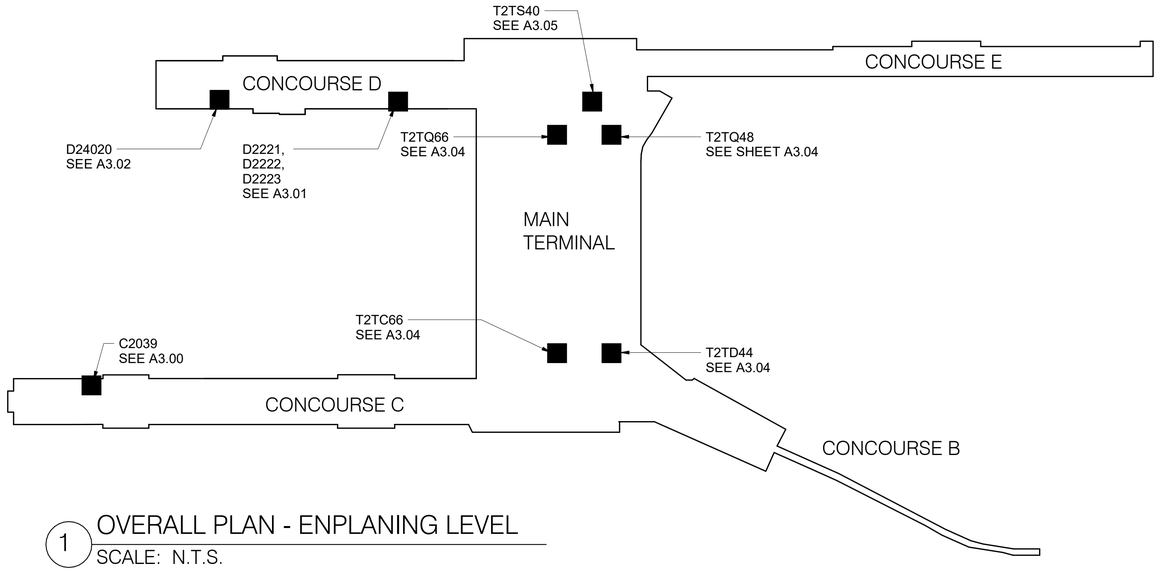
TERMINAL RESTROOM REHABILITATION 2026

SYMBOLS, LEGENDS, & ABBREVIATIONS

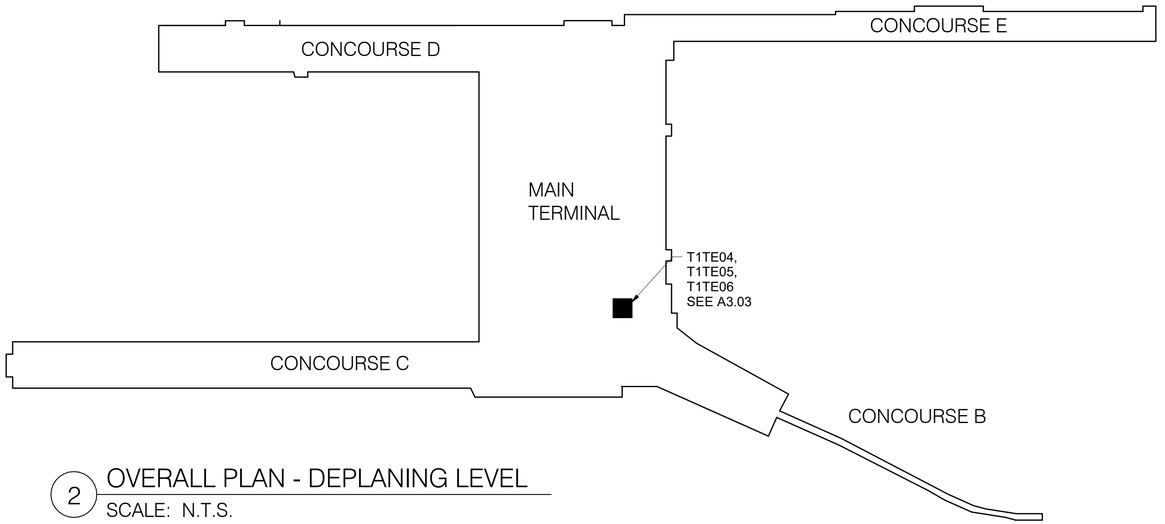
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	2
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	GI.04

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.



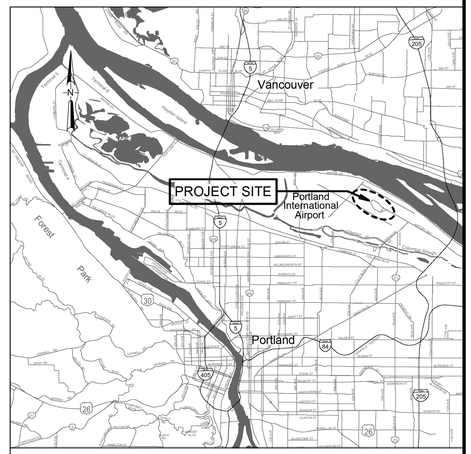
1 OVERALL PLAN - ENPLANING LEVEL
SCALE: N.T.S.



2 OVERALL PLAN - DEPLANING LEVEL
SCALE: N.T.S.

CONSTRUCTION PHASING NOTES:

1. STAGING SUBJECT TO PORT DISCRETION. CONTRACTOR TO COORDINATE WITH PORT INSPECTORS.
2. SCHEDULE: SEE DIVISION 1 FOR WORK AREA RESTRICTIONS SUMMARY.
3. RESTROOMS D2646/2647 & D2221/2222/2223 CAN NOT BE CLOSED FOR CONSTRUCTION AT THE SAME TIME



VICINITY MAP
SCALE: N.T.S.

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

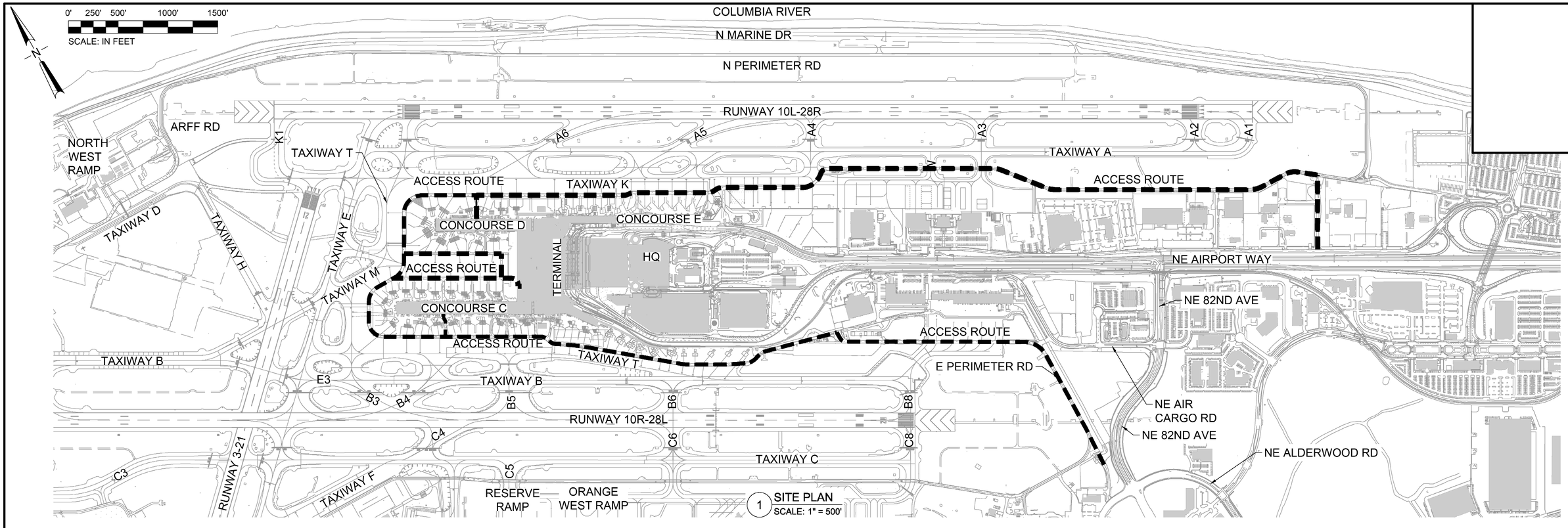
Port of Portland
mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
VICINITY MAP AND PHASING PLAN

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	3
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	GI.06

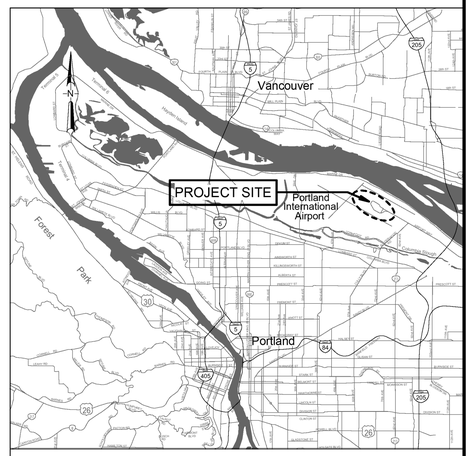
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



1 SITE PLAN
SCALE: 1" = 500'

LEGEND

HAUL ROUTE



VICINITY MAP
SCALE: N.T.S.

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

HAUL ROUTE EXHIBIT

SUBMITTED BY	BRIAN FRANCIS	
DESIGNED BY	A. COOK	
DRAWN BY	M. PHILLIPS	
CHECKED BY	J. ROOT	
DATE	JULY 2026	
SHEET NO.	4	TYPE CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO. GI.07

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

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light gray
dark gray
black

PROJECT DESCRIPTION:

GENERAL : IN CONCOURSE D : THE RENOVATION OF (2) EXISTING RESTROOMS AND THE ADDITION OF (1) NEW COMPANION CARE RESTROOM. IN THE MAIN TERMINAL - DEPLANING LEVEL : RENOVATION OF (2) EXISTING RESTROOMS, AND ON THE ENPLANING LEVEL : CONSTRUCTION OF (4) NEW COMPANION CARE RESTROOMS AND A NEW PET RELIEF. IN CONCOURSE C : THE ADDITION OF (1) NEW FAMILY RESTROOM.

SCOPE OF WORK: WORK FOR THIS PERMIT INCLUDED DEMOLITION, ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, LIGHTING, PLUMBING, FIRE PROTECTION SYSTEMS AND SIGNAGE.

APPLICABLE CODES AND STANDARDS:

2025 OREGON STRUCTURAL SPECIALTY CODE
2025 OREGON MECHANICAL SPECIALTY CODE
2023 OREGON ELECTRICAL SPECIALTY CODE
2023 OREGON PLUMBING SPECIALTY CODE
2024 OREGON FIRE CODE
2025 OREGON ENERGY EFFICIENCY SPECIALTY CODE
OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)
2017 ICC A117.1 ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES
2010 AMERICANS WITH DISABILITIES ACT
NFPA STANDARDS 13, 14, 15, 72, 407

USE, OCCUPANCY, CONSTRUCTION TYPE:

AIRPORT CONCOURSE (ASSEMBLY A-3)

NON SEPARATED MIXED OCCUPANCY

A-2 ASSEMBLY FOR RESTAURANT/CAFETERIAS
A-3 ASSEMBLY FOR AIRPORT TERMINAL(WAITING + CONCOURSE)
M MERCANTILE AREAS
S-1 STORAGE
B OFFICE

CONSTRUCTION TYPE: I-A

FIRE RESISTANCE RATINGS:

FIRE RESISTANCE RATING REQUIREMENTS (TABLE 601):

STRUCTURAL COLUMNS	3HR
BEARING WALLS	3 HR
NONBEARING WALLS-INTERIOR	0HR
FLOOR DECK CONSTRUCTION	2HR
ROOF CONSTRUCTION	1 1/2 HR
SHAFT ENCLOSURE	2 HR
CORRIDORS	0HR

FIRE PROTECTION SYSTEMS:

AUTOMATIC FIRE SPRINKLERS

AUTOMATIC FIRE SPRINKLERS SECTION 903 : PER OSSC 903.3.1.1 FULL NFPA 13 STANDARD APPLIES

PROJECT HAS AUTOMATIC WET SPRINKLER SYSTEM AS REQUIRED BY OSSC AND NFPA

FIRE ALARM SYSTEM:

MINOR CHANGES TO DEVICE LOCATIONS AND DEVICE QUANTITY. NO CHANGES TO EXISTING SYSTEMS.

SMOKE DETECTION:

NOT REQUIRED .

EMERGENCY RESPONDER RADIO COVERAGE:

NO CHANGES .

PORTABLE FIRE EXTINGUISHERS

INSTALLED WHERE REQUIRED	
MAXIMUM TRAVEL DISTANCE	75'
MINIMUM RATED EXTINGUISHER	2-A

EXITING AND EXIT ACCESS

BUILDING EXITING:

TENANT IMPROVEMENT ONLY; NO ADDED AREA, NO CHANGES TO OCCUPANT TOTALS.

EXIT SIGNS NOT REQUIRED PER 1013.1 EXCEPTION 1

ACCESSIBILITY

ACCESIBILITY:

ACCESIBLE DESIGN AND CONSTRUCTION STANDARDS: OSSC CHAPTER 11 AND ICC A117.1
2010 AMERICANS WITH DISABILITIES ACT

NO CHANGES TO BUILDING EXTERIOR ACCESIBLE ROUTE

NO CHANGES TO BUILDING INTERIOR ACCESIBLE ROUTE

NO CHANGES TO ACCESIBLE PARKING FACILITIES

NO CHANGES TO ACCESSIBLE ELEVATORS

NO CHANGES TO EMPLOYEE WORK AREAS

OSSC, SECTION 1110.2.5 LAVATORIES: AT LEAST ONE LAVATORY WITH ENHANCE REACH RANGES SHALL BE PROVIDED. 2017 ICC A117.1 606.5 WATER AND SOAP OUTLETS SHALL BE PROVIDED WITH A REACH DEPTH OF 11 INCHES MAXIMUM.

ENERGY CODE:

ENERGY CODE:

ALL CHANGES TO EXTERIOR ENVELOPE COMPLY WITH 2025 OREGON ENERGY EFFICIENCY SPECIALTY CODE AS PART OF THIS SCOPE OF WORK.
ROOF CURB, SECTION 5.5.3.1.2 : MIN R-5 REQUIRED, R-6.0 PROVIDED
ROOF INSULATION - 5.8.1 AND 5.8.1.10: JOINTS TO BE STAGGERED IN MULTI LAYERED RIGID INSULATION ASSEMBLIES

INTERIOR FINISHES:

OSSC TABLE 803.13
INTERIOR WALL AND CEILING FINISH FLAME SPREAD REQUIREMENTS BY OCCUPANCY. SPRINKLERED

GROUP	ROOMS
A-2	C
A-3	C
B-3	C
S	C

DEFERRED SUBMITTALS:

1. CONTRACTOR TO PROVIDE DEFERRED SUBMITTALS AND ALL WORK REQUIRED TO IMPLEMENT ITS ENTIRE SCOPE. INCLUDE DRAWINGS, DETAILS AND CALCULATIONS.
2. DEFERRED SUBMITTALS REQUIRE APPROVAL OF BOTH ARCHITECT/ENGINEER AND THE AUTHORITY HAVING JURISDICTION.
3. CONTRACTOR IS RESPONSIBLE FOR OBTAINING REQUIRED APPROVAL AND PERMITS FOR DEFERRED SUBMITTALS.
4. THE CONTRACTOR SHALL VERIFY ALL UTILITIES, EQUIPMENT, AND COORDINATE EQUIPMENT REQUIREMENTS AND LOCATIONS.
5. THE PROCEDURES FOR DEFERRED SUBMITTALS IS AS FOLLOWS:
   A. FINAL DESIGN, ENGINEERING, AND SHOP DRAWINGS SHALL BE SUBMITTED TO THE PORT FOR REVIEW BY ARCHITECT.
   B. FOLLOWING THE ARCHITECTS APPROVAL, THE CONTRACTOR SHALL SUBMIT TO THE AUTHORITY HAVING JURISDICTION FOR PERMIT APPROVAL AND FOR PROCUREMENT / INSTALLATION.
   C. WORK RELATED TO DEFERRED SUBMITTAL SHALL NOT BE PERFORMED UNTIL THE DEFERRED SUBMITTALS HAVE BEEN APPROVED BY THE AUTHORITY HAVING JURISDICTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE FOLLOWING DEFERRED SUBMITTALS:
   A. FIRE STOPPING SYSTEMS
   B. FIRE DETECTION AND ALARM SYSTEMS
   C. FIRE SUPPRESSION SYSTEM DESIGN
   D. GLAZING SYSTEMS
   E. SUSPENDED CEILINGS AND SOFFITS
   F. COLUMN COVER FRAMING AND SUPPORT
   G. GRAB BARS AND WALL HOOKS
   H. DIVISION 21-28 HANGERS, SUPPORTS, AND SEISMIC RESTRAINT
7. SEE STRUCTURAL DRAWINGS FOR DESIGN CRITERIA AND ADDITIONAL DEFERRED SUBMITTAL REQUIREMENTS

PLUMBING FIXTURES

OSSC, CH 29, TABLE 2902.1

ASSEMBLY - TERMINALS	WATER CLOSETS:	MALE: 1 PER 500	FEMALE: 1 PER 500
	LAVATORIES:	MALE: 1 PER 750	FEMALE: 1 PER 750
	DRINKING FOUNTAINS	1 PER FLOOR	
ASSEMBLY - RESTAURANTS, FOOD COURTS	WATER CLOSETS:	MALE: 1 PER 75	FEMALE: 1 PER 75
	LAVATORIES:	MALE: 1 PER 200	FEMALE: 1 PER 200
	DRINKING FOUNTAINS	1 PER FLOOR	
BUSINESS	WATER CLOSETS:	MALE/ FEMALE: 1 PER 25 UNTIL 50, THEN 1 PER 50	
	LAVATORIES:	MALE/ FEMALE: 1 PER 40 UNTIL 80, THEN 1 PER 80	
	DRINKING FOUNTAINS	NA	
MERCANTILE	WATER CLOSETS:	MALE: 1 PER 500	FEMALE: 1 PER 500
	LAVATORIES:	MALE: 1 PER 750	FEMALE: 1 PER 750
	DRINKING FOUNTAINS	NA	
STORAGE	WATER CLOSETS:	MALE: 1 PER 100	FEMALE: 1 PER 100
	LAVATORIES:	MALE: 1 PER 100	FEMALE: 1 PER 100
	DRINKING FOUNTAINS	NA	

TERMINAL
PLUMBING FIXTURE COUNT - OCCUPANCY

ASSEMBLY - TERMINAL	5538 OCCUPANTS
ASSEMBLY - RESTAURANT AND FOOD COURTS	1851 OCCUPANTS
ASSEMBLY - KITCHEN	8 OCCUPANTS
ASSEMBLY	9100 OCCUPANTS
BUSINESS	402 OCCUPANTS
MERCANTILE	302 OCCUPANTS
STORAGE	1396 OCCUPANTS

PLUMBING FIXTURE COUNT TOTAL

FIXTURE TYPE	CODE REQUIRED	TOTAL PROVIDED
WC	71 MEN, 101 WOMEN	28 URINALS, 93 WC MEN, 133 WC WOMEN
LAV	42 MEN, 42 WOMEN	88 MEN, 98 WOMEN
DF	2 (1 PER FLOOR)	7

CONCOURSE C
PLUMBING FIXTURE COUNT - OCCUPANCY

ASSEMBLY - TERMINAL	4547 OCCUPANTS
ASSEMBLY - RESTAURANT AND FOOD COURTS	715 OCCUPANTS
MERCANTILE	40 OCCUPANTS

PLUMBING FIXTURE COUNT TOTAL

FIXTURE TYPE	CODE REQUIRED	TOTAL PROVIDED
WC	7 MEN, 7 WOMEN	23 URINALS, 30 WC MEN, 58 WC WOMEN, 1 UNISEX
LAV	5 MEN, 5 WOMEN	28 MEN, 32 WOMEN, 1 UNISEX
DF	2	6

CONCOURSE D
PLUMBING FIXTURE COUNT - OCCUPANCY

ASSEMBLY - TERMINAL	2,071 OCCUPANTS
ASSEMBLY - RESTAURANT AND FOOD COURTS	310 OCCUPANTS
MERCANTILE	101 OCCUPANTS

PLUMBING FIXTURE COUNT TOTAL

FIXTURE TYPE	CODE REQUIRED	TOTAL PROVIDED
WC	7 MEN, 7 WOMEN	17 URINALS + 15 WC MEN, 26 WC WOMEN, 4 UNISEX
LAV	3 MEN, 3 WOMEN	21 MEN, 21 WOMEN, 4 UNISEX
DF	2	4

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland
mwa architects

2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
CODE SUMMARY SYMBOLS AND ABBREVIATIONS

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	5
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A0.01

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

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

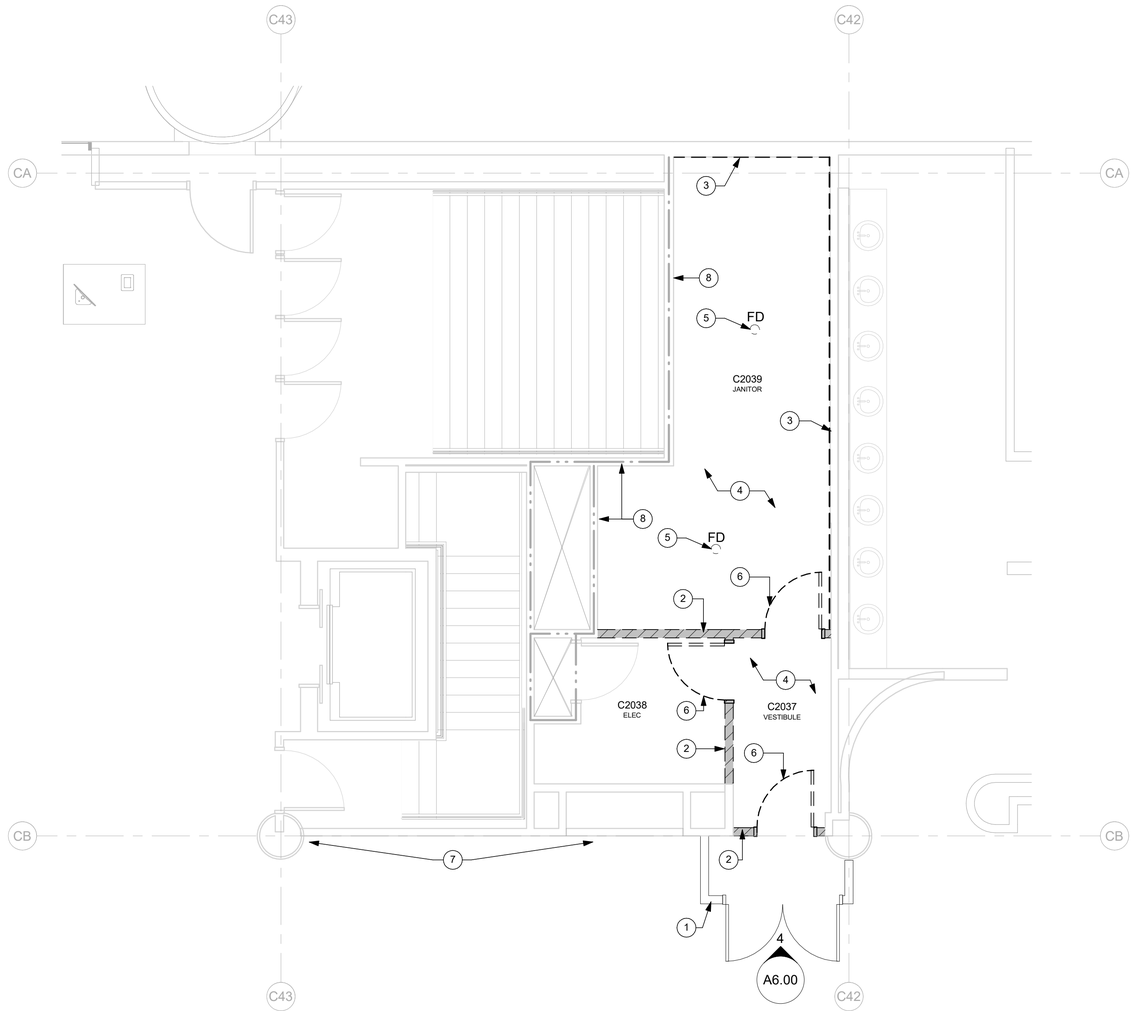
DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".

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

light gray
dark gray
black

0' 2' 4' 8' 12'

SCALE: IN FEET



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

NOTES

1. DIMENSIONS ARE TO FACE OF FINISH AND CENTERLINE OF GRID LINES. THEY ARE FOR REFERENCE ONLY AND SHOULD BE FIELD VERIFIED BY CONTRACTOR FOR ACCURACY.
2. CONTRACTOR SHALL MAINTAIN FIRE RATED ASSEMBLIES AS REQUIRED.
3. CONTRACTOR SHALL PROTECT ALL (E) ADJACENT SURFACES AND FINISHES NOT RECEIVING WORK . ADJACENT FINISHES SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION.
4. CONTRACTOR TO COORDINATE ALL BACKING FOR WALL MOUNTED ACCESSORIES AS NEEDED. REFERENCE SHEET A11.01 FOR TYPICAL BACKING PLATE SCHEDULES.
5. COORDINATE STORAGE OF FURNISHINGS, EQUIPMENT AND OTHER FIXTURES W/ PORT.
6. COORDINATE W/ PORT WASTE MINIMIZATION TEAM FOR RECYCLING, RE-PURPOSING, OR DISPOSAL OF DEMOLISHED ITEMS AND CONSTRUCTION WASTE.
7. LIGHTING, FIRE ALARM, AND SECURITY TO REMAIN OPERATIONAL DURING CONSTRUCTION. CONTRACTOR TO COORDINATE W/ PORT.
8. AREAS BEYOND LINE OF WORK MAY BE INCLUDED TO FACILITATE CONSTRUCTION AND PROJECT COMPLETION.
9. REFERENCE SPECIFICATION DIVISIONS 1 AND 2 FOR ADDITIONAL REQUIREMENTS.
10. REFERENCE SHEET A11.00 FOR TYPICAL PARTITION TYPES AND METAL STUD FRAMING INFO.
11. REFERENCE SHEET A10.00 FOR FINISH AND DOOR / FRAME SCHEDULE
12. REFERENCE STRUCTURAL FOR SLAB INFILL DETAILS AT (N) FLOOR DRAINS.
13. REPAIR AND REPLACE EXISTING FLOOR, ROOF AND WALL FIREPROOFING AT ALL NEW WALL AND CEILING CONNECTIONS.
14. REFERENCE A8 SHEET SERIES FOR FINISH PLANS SHOWING FLOOR AND WALL FINISHES.

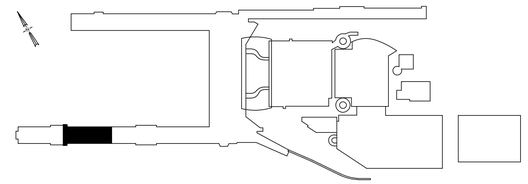
KEYNOTES

1 TEMPORARY BARRICADE WALL. COORDINATE WALL TYPE, CONNECTIONS, EXTENTS, AND KEYING W/ THE PORT
2 DEMO (E) WALL
3 DEMO (E) WALL FINISH TO STUD, PREPARE FOR NEW SUBSTRATES ACCORDING TO FINISH SCHEDULE
4 DEMO (E) FLOOR FINISH AND WALL BASE, PREPARE SUBSTRATE TO RECEIVE (N) FLOORING AND BASE PER SCHEDULE, TYP
5 DEMO (E) FLOOR DRAIN AND INFILL SLAB
6 DEMO (E) DOOR
7 (E) SMART CART STATION TO BE TEMPORARILY RELOCATED. TEMPORARY LOCATION TO BE COORDINATED WITH THE PORT
8 EXISTING RATED WALL TO REMAIN

LEGEND

(E) 1-HOUR RATED WALL
(E) ELEMENT TO BE DEMOLISHED
(E) ELEMENT TO BE DEMOLISHED
(E) TO REMAIN
FLOOR FINISH TRANSITION

KEY PLAN



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland
mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
CONCOURSE C - SECTOR 5 - C2039 - ENPLANING - DEMO PLAN

SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. COOK		
DRAWN BY	M. PHILLIPS		
CHECKED BY	J. ROOT		
DATE	JULY 2026		
SHEET NO.	6	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	A1.00

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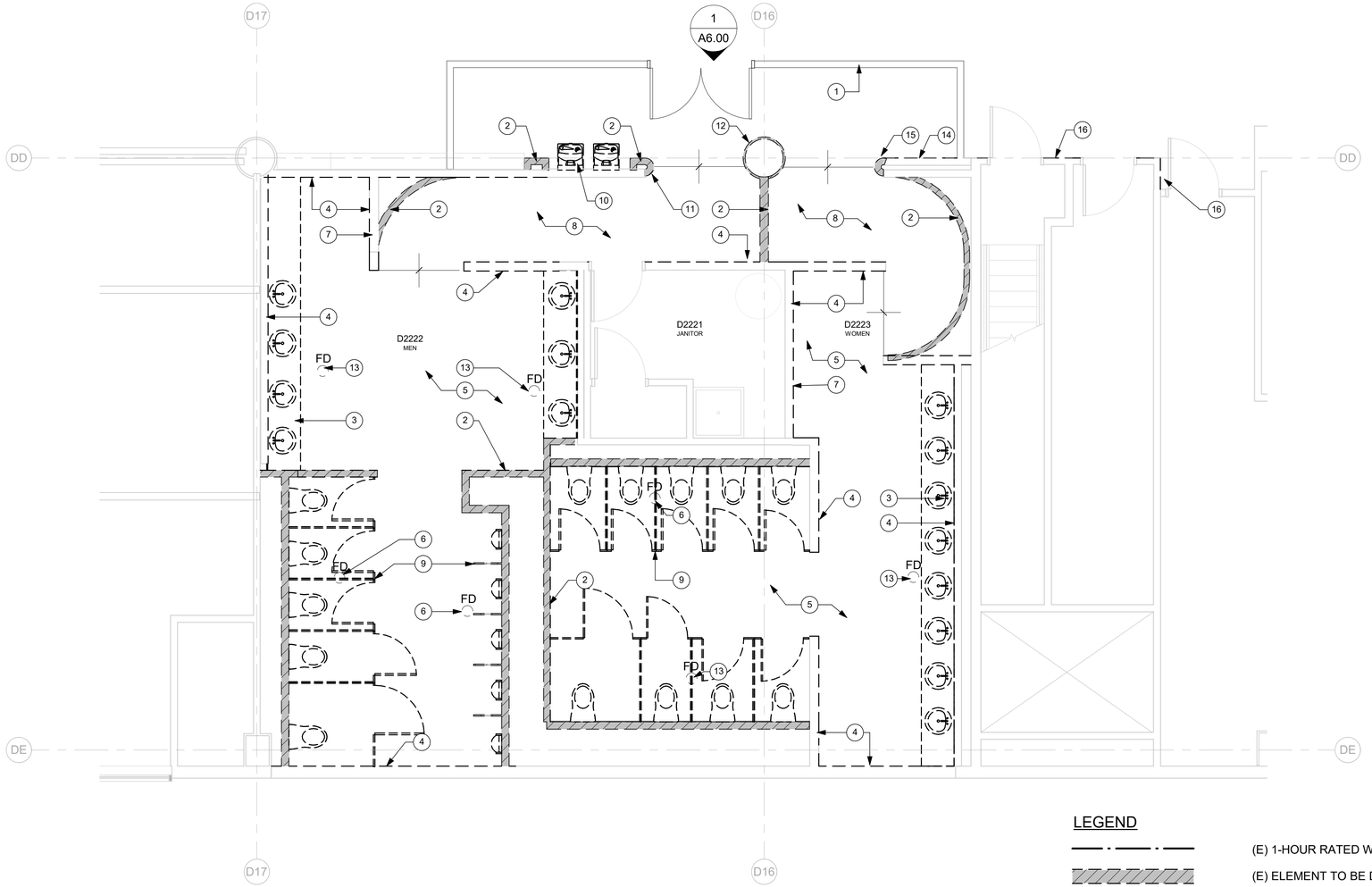
light gray
dark gray
black

0' 2' 4' 8' 12'

SCALE: IN FEET

PLUMBING FIXTURE COUNT TOTAL	
FIXTURE TYPE	EXISTING
WC	5 URINALS MEN, 5 WC MEN, 9 WC WOMEN
LAV	7 MEN, 8 WOMEN
DF	2



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

NOTES

1. DIMENSIONS ARE TO FACE OF FINISH AND CENTERLINE OF GRID LINES. THEY ARE FOR REFERENCE ONLY AND SHOULD BE FIELD VERIFIED BY CONTRACTOR FOR ACCURACY.
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3. CONTRACTOR SHALL PROTECT ALL (E) ADJACENT SURFACES AND FINISHES NOT RECEIVING WORK . ADJACENT FINISHES SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION.
4. CONTRACTOR TO COORDINATE ALL BACKING FOR WALL MOUNTED ACCESSORIES AS NEEDED. REFERENCE SHEET A11.01 FOR TYPICAL BACKING PLATE SCHEDULES.
5. COORDINATE STORAGE OF FURNISHINGS, EQUIPMENT AND OTHER FIXTURES W/ PORT.
6. COORDINATE W/ PORT WASTE MINIMIZATION TEAM FOR RECYCLING, RE-PURPOSING, OR DISPOSAL OF DEMOLISHED ITEMS AND CONSTRUCTION WASTE.
7. LIGHTING, FIRE ALARM, AND SECURITY TO REMAIN OPERATIONAL DURING CONSTRUCTION. CONTRACTOR TO COORDINATE W/ PORT.
8. AREAS BEYOND LINE OF WORK MAY BE INCLUDED TO FACILITATE CONSTRUCTION AND PROJECT COMPLETION.
9. REFERENCE SPECIFICATION DIVISIONS 1 AND 2 FOR ADDITIONAL REQUIREMENTS.
10. REFERENCE SHEET A11.00 FOR TYPICAL PARTITION TYPES AND METAL STUD FRAMING INFO.
11. REFERENCE SHEET A10.00 FOR FINISH AND DOOR / FRAME SCHEDULE
12. REFERENCE STRUCTURAL FOR SLAB INFILL DETAILS AT (N) FLOOR DRAINS.
13. REPAIR AND REPLACE EXISTING FLOOR, ROOF AND WALL FIREPROOFING AT ALL NEW WALL AND CEILING CONNECTIONS.
14. REFERENCE A8 SHEET SERIES FOR FINISH PLANS SHOWING FLOOR AND WALL FINISHES.

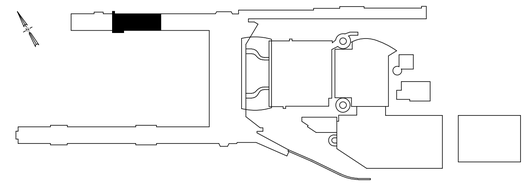
KEYNOTES

1 TEMPORARY BARRICADE WALL. COORDINATE WALL TYPE, CONNECTIONS, EXTENTS, AND KEYING W/ THE PORT
2 DEMO (E) WALL
3 DEMO (E) LAVATORY COUNTER TOP AND MIRRORS
4 DEMO (E) WALL FINISH, TILE BACKER, AND GWB TYP. PREPARE FOR NEW SUBSTRATES ACCORDING TO FINISH SCHEDULE
5 DEMO (E) FLOOR TILE AND WALL BASE, PREPARE SUBSTRATE TO RECEIVE NEW FLOORING AND BASE PER SCHEDULE, TYP
6 DEMO (E) FLOOR DRAIN COVER - REMOVE GRATE AND PREPARE FOR NEW, COORDINATE WITH PLUMBING
7 DEMO ALL (E) RESTROOM ACCESSORIES
8 DEMO (E) CARPET IN AREA OF WORK AND COORDINATE WITH PORT ON EXTENTS OF REMOVAL
9 DEMO ALL (E) TOLIET AND URINAL PARTITIONS, TYP
10 REMOVE AND REINSTALL (E) WATER FOUNTAINS
11 DEMO (E) WALL AND SS BULLNOSE
12 DEMO (E) COLUMN COVER
13 DEMO (E) FLOOR DRAIN AND INFILL SLAB
14 (E) AED AND TRASH/RECYCLING, COORDINATE TEMPORARY LOCATION WITH PORT INSPECTOR PRIOR TO CONSTRUCTION
15 DEMO (E) SS BULLNOSE
16 DEMO (E) WOOD PANEL FINISH

LEGEND

(E) 1-HOUR RATED WALL
(E) ELEMENT TO BE DEMOLISHED
(E) ELEMENT TO BE DEMOLISHED
(E) TO REMAIN
FLOOR FINISH TRANSITION

KEY PLAN



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland
mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
CONCOURSE D - SECTOR 2 - D2221, D2222, D2223 - ENPLANING - DEMO PLAN

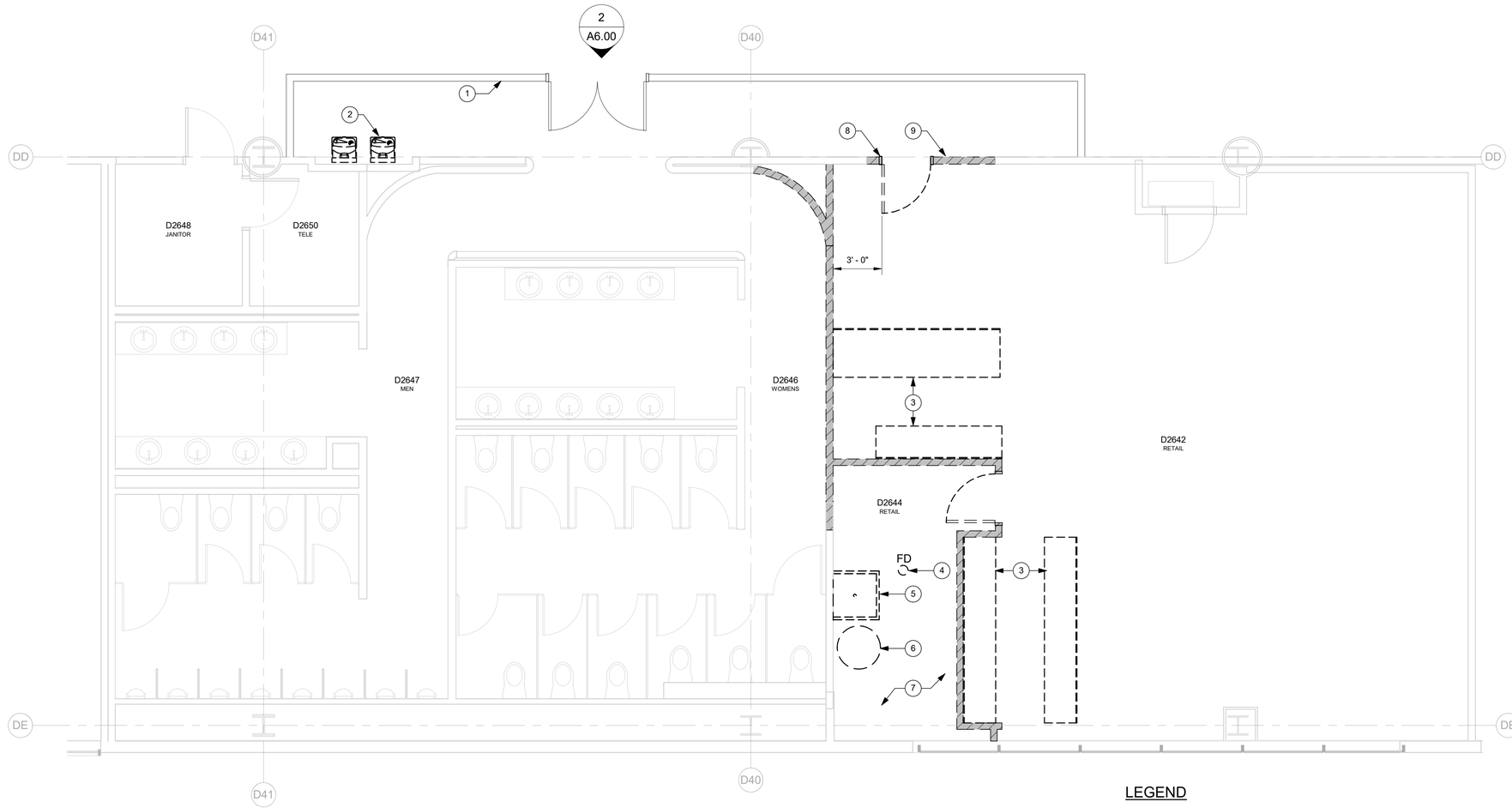
SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. COOK		
DRAWN BY	M. PHILLIPS		
CHECKED BY	J. ROOT		
DATE	JULY 2026		
SHEET NO.	7	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	A1.01

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.

0' 2' 4' 8' 12'

SCALE: IN FEET

PLUMBING FIXTURE COUNT TOTAL	
FIXTURE TYPE	EXISTING
WC	8 URINALS MEN, 4 WC MEN, 11 WC WOMEN
LAV	8 MEN, 9 WOMEN
DF	2



1 CONCOURSE D - SECTOR 3 - D2642, D2644 - ENPLANING - DEMO PLAN
SCALE: 1/4" = 1'-0"

NOTES

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2. CONTRACTOR SHALL MAINTAIN FIRE RATED ASSEMBLIES AS REQUIRED.
3. CONTRACTOR SHALL PROTECT ALL (E) ADJACENT SURFACES AND FINISHES NOT RECEIVING WORK . ADJACENT FINISHES SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION.
4. CONTRACTOR TO COORDINATE ALL BACKING FOR WALL MOUNTED ACCESSORIES AS NEEDED. REFERENCE SHEET A11.01 FOR TYPICAL BACKING PLATE SCHEDULES.
5. COORDINATE STORAGE OF FURNISHINGS, EQUIPMENT AND OTHER FIXTURES W/ PORT.
6. COORDINATE W/ PORT WASTE MINIMIZATION TEAM FOR RECYCLING, RE-PURPOSING, OR DISPOSAL OF DEMOLISHED ITEMS AND CONSTRUCTION WASTE.
7. LIGHTING, FIRE ALARM, AND SECURITY TO REMAIN OPERATIONAL DURING CONSTRUCTION. CONTRACTOR TO COORDINATE W/ PORT.
8. AREAS BEYOND LINE OF WORK MAY BE INCLUDED TO FACILITATE CONSTRUCTION AND PROJECT COMPLETION.
9. REFERENCE SPECIFICATION DIVISIONS 1 AND 2 FOR ADDITIONAL REQUIREMENTS.
10. REFERENCE SHEET A11.00 FOR TYPICAL PARTITION TYPES AND METAL STUD FRAMING INFO.
11. REFERENCE SHEET A10.00 FOR FINISH AND DOOR / FRAME SCHEDULE
12. REFERENCE STRUCTURAL FOR SLAB INFILL DETAILS AT (N) FLOOR DRAINS.
13. REPAIR AND REPLACE EXISTING FLOOR, ROOF AND WALL FIREPROOFING AT ALL NEW WALL AND CEILING CONNECTIONS.
14. REFERENCE A8 SHEET SERIES FOR FINISH PLANS SHOWING FLOOR AND WALL FINISHES.

KEYNOTES

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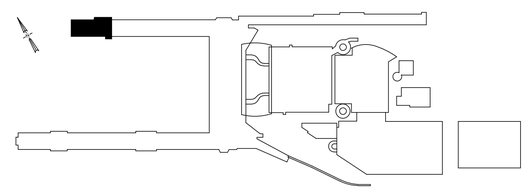
2 REMOVE AND REINSTALL (E) WATER FOUNTAINS
3 DEMO (E) COUNTERTOP AND CASEWORK
4 DEMO (E) FLOOR DRAIN AND INFILL SLAB
5 DEMO (E) MOP SINK
6 DEMO (E) WATER HEATER
7 DEMO (E) FLOORING
8 REMOVE AND REINSTALL (E) TEMPORARY BARRICADE ACCESS DOOR
9 DEMO (E) WALL

LEGEND

(E) 1-HOUR RATED WALL
(E) ELEMENT TO BE DEMOLISHED
(E) ELEMENT TO BE DEMOLISHED
(E) TO REMAIN
FLOOR FINISH TRANSITION

KEY PLAN



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE D - SECTOR 3 - D2642, D2644 - ENPLANING - DEMO PLAN

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	8
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A1.02

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.

light gray
dark gray
black

0' 2' 4' 8' 12'

SCALE: IN FEET

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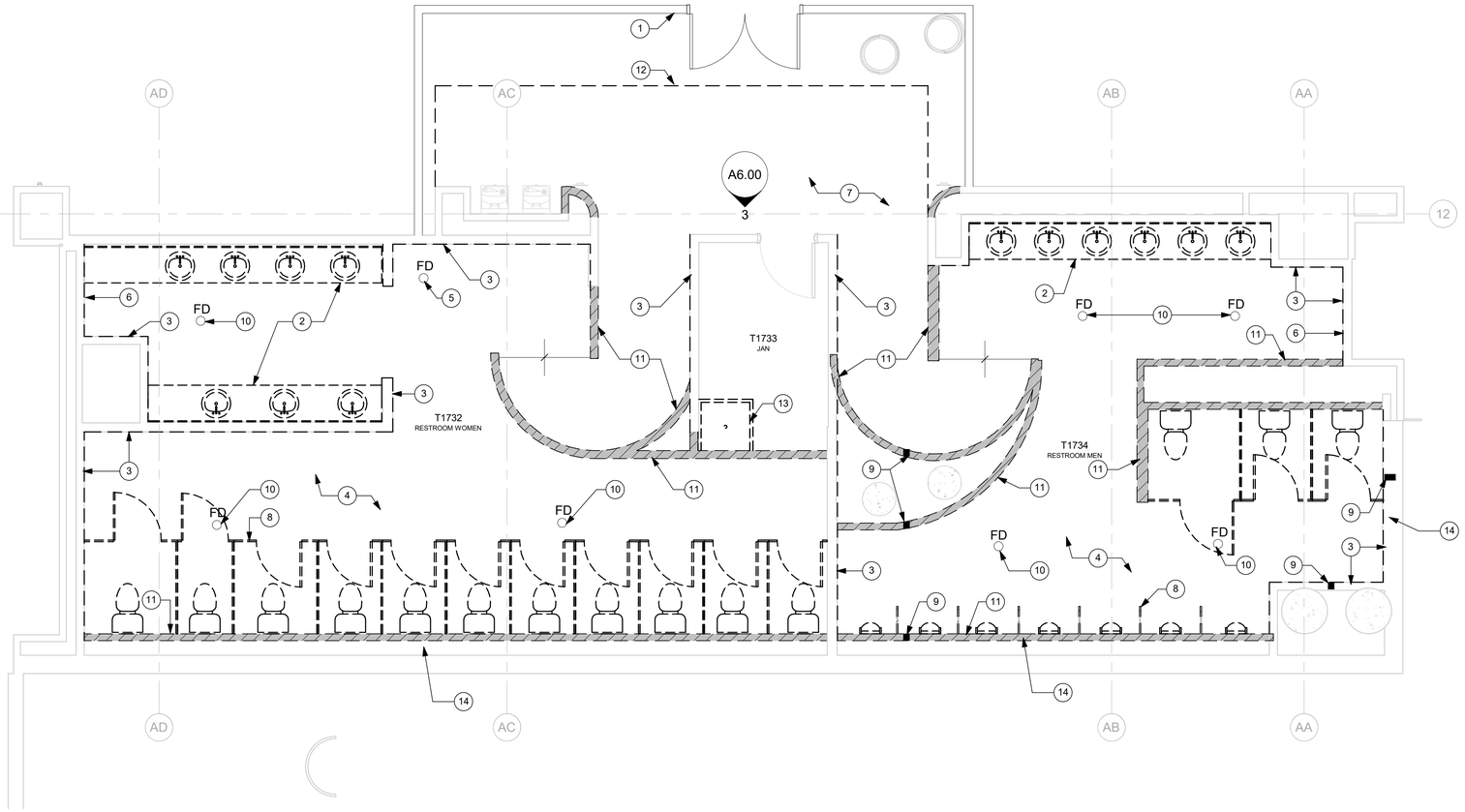

1 TERMINAL - SECTOR E5 - T1732, T1733, T1734 - DEPLANING - DEMO PLAN
SCALE: 1/4" = 1'-0"

NOTES

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5. COORDINATE STORAGE OF FURNISHINGS, EQUIPMENT AND OTHER FIXTURES W/ PORT.
6. COORDINATE W/ PORT WASTE MINIMIZATION TEAM FOR RECYCLING, RE-PURPOSING, OR DISPOSAL OF DEMOLISHED ITEMS AND CONSTRUCTION WASTE.
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8. AREAS BEYOND LINE OF WORK MAY BE INCLUDED TO FACILITATE CONSTRUCTION AND PROJECT COMPLETION.
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11. REFERENCE SHEET A10.00 FOR FINISH AND DOOR / FRAME SCHEDULE
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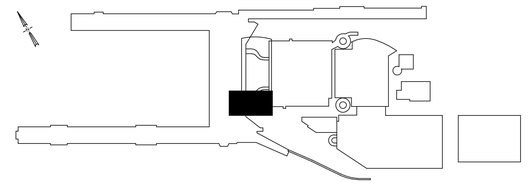
7 DEMO (E) CARPET IN AREA OF WORK AND COORDINATE WITH PORT ON EXTENTS OF REMOVAL
8 DEMO ALL (E) TOILET AND URINAL PARTITIONS, TYP
9 DEMO (E) EXPANSION JOINT COVER
10 DEMO (E) FLOOR DRAIN AND INFILL SLAB
11 DEMO (E) WALL
12 DEMO (E) WALK OFF MAT, PREPARE SUBSTRATE TO RECEIVE NEW FLOORING PER SCHEDULE, TYP
13 DEMO (E) MOP SINK
14 CONFIRM EXISTING EXTERIOR WALL INISULATION MEETS CODE REQUIRED

LEGEND

(E) 1-HOUR RATED WALL
(E) ELEMENT TO BE DEMOLISHED
(E) ELEMENT TO BE DEMOLISHED
(E) TO REMAIN
FLOOR FINISH TRANSITION

KEY PLAN



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland
mwa architects

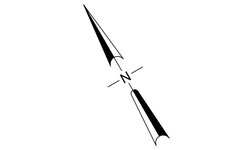
2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
TERMINAL - SECTOR E5 - T1732, T1733, T1734 - DEPLANING - DEMO PLAN

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	9
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A1.03

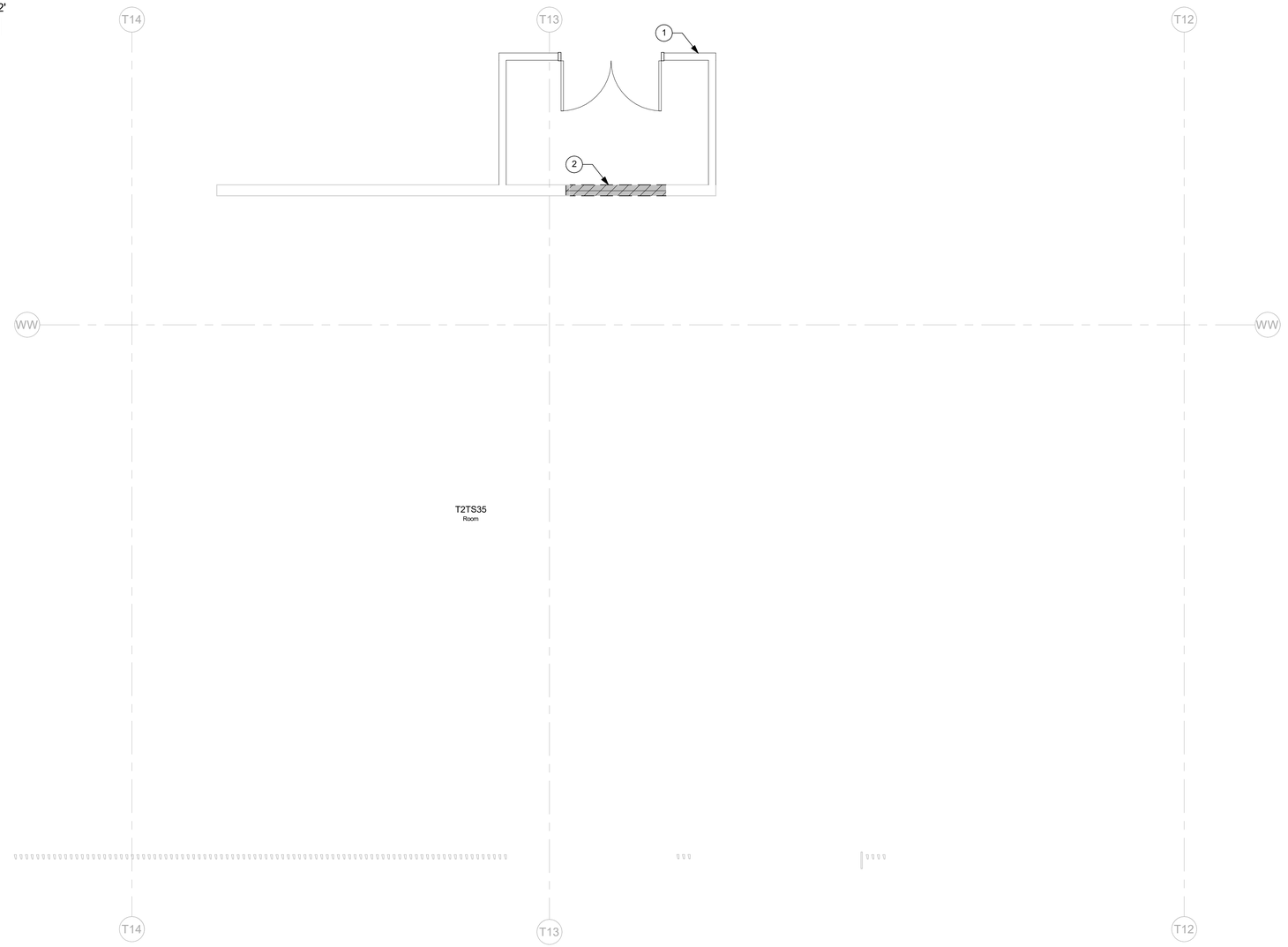
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY

light gray
dark gray
black



0' 2' 4' 8' 12'

SCALE: IN FEET



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

NOTES

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12. REFERENCE STRUCTURAL FOR SLAB INFILL DETAILS AT (N) FLOOR DRAINS.
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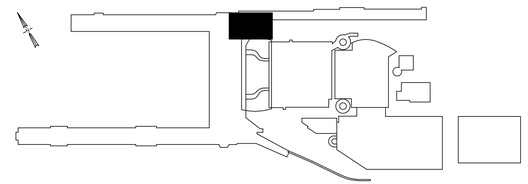
KEYNOTES

1 TEMPORARY BARRICADE WALL. COORDINATE WALL TYPE, CONNECTIONS, EXTENTS, AND KEYING W/ THE PORT
2 DEMO (E) WALL

LEGEND

(E) 1-HOUR RATED WALL
(E) ELEMENT TO BE DEMOLISHED
(E) ELEMENT TO BE DEMOLISHED
(E) TO REMAIN
FLOOR FINISH TRANSITION

KEY PLAN



NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

TERMINAL - SECTOR E1 - T2TS35 - ENPLANING - DEMO PLAN

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	10
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A1.05

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

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.

light gray
dark gray
black

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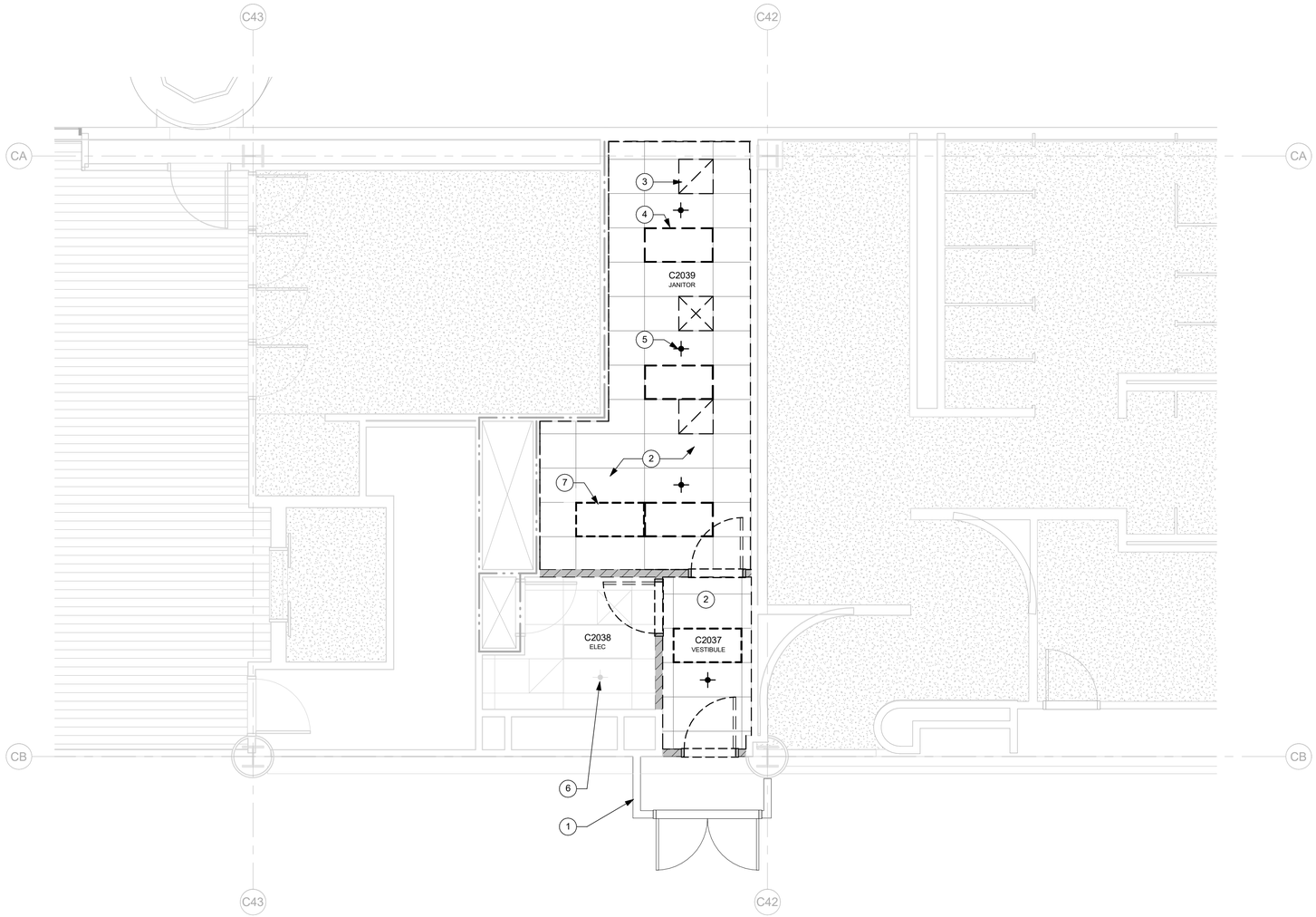
SCALE: IN FEET



1 CONCOURSE C - SECTOR 5 - C2039 - ENPLANING - DEMO RCP
SCALE: 1/4" = 1'-0"

NOTES

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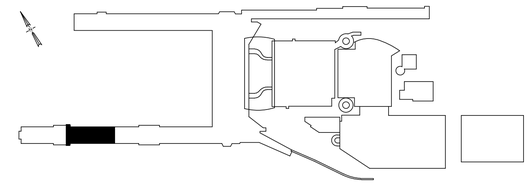
KEYNOTES

1 TEMPORARY BARRICADE WALL. COORDINATE WALL TYPE, CONNECTIONS, EXTENTS, AND KEYING W/ THE PORT
2 DEMO (E) SUSPENDED GRID CEILING
3 DEMO (E) MECHANICAL SUPPLY AND RETURNS
4 DEMO (E) LIGHTING
5 DEMO (E) SPRINKLER HEADS
6 (E) SPRINKLER HEADS TO REMAIN
7 (E) LIGHT TO BE RELOCATED

LEGEND

- DEMO (E) ACCESS PANEL
- DEMO (E) LIGHT FIXTURE
- DEMO (E) MECH DIFFUSER OR RETURN
- (E) SPRINKLER HEAD TO REMAIN
- DEMO SPRINKLER HEAD
- DEMO (E)VENEER PLASTER CEILING/SOFFIT
- DEMO (E)SUSPENDED CEILING TO BE REMOVED
- (E) 2-HOUR RATED WALL
- (E) 1-HOUR RATED WALL
- (E) ELEMENT TO BE DEMOLISHED
- (E) ELEMENT TO BE DEMOLISHED
- (E) TO REMAIN
- WORK AREA BOUNDARY

KEY PLAN



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NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE C - SECTOR 5 - C2039 - ENPLANING - DEMO RCP

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	11
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A2.00

light gray
dark gray
black

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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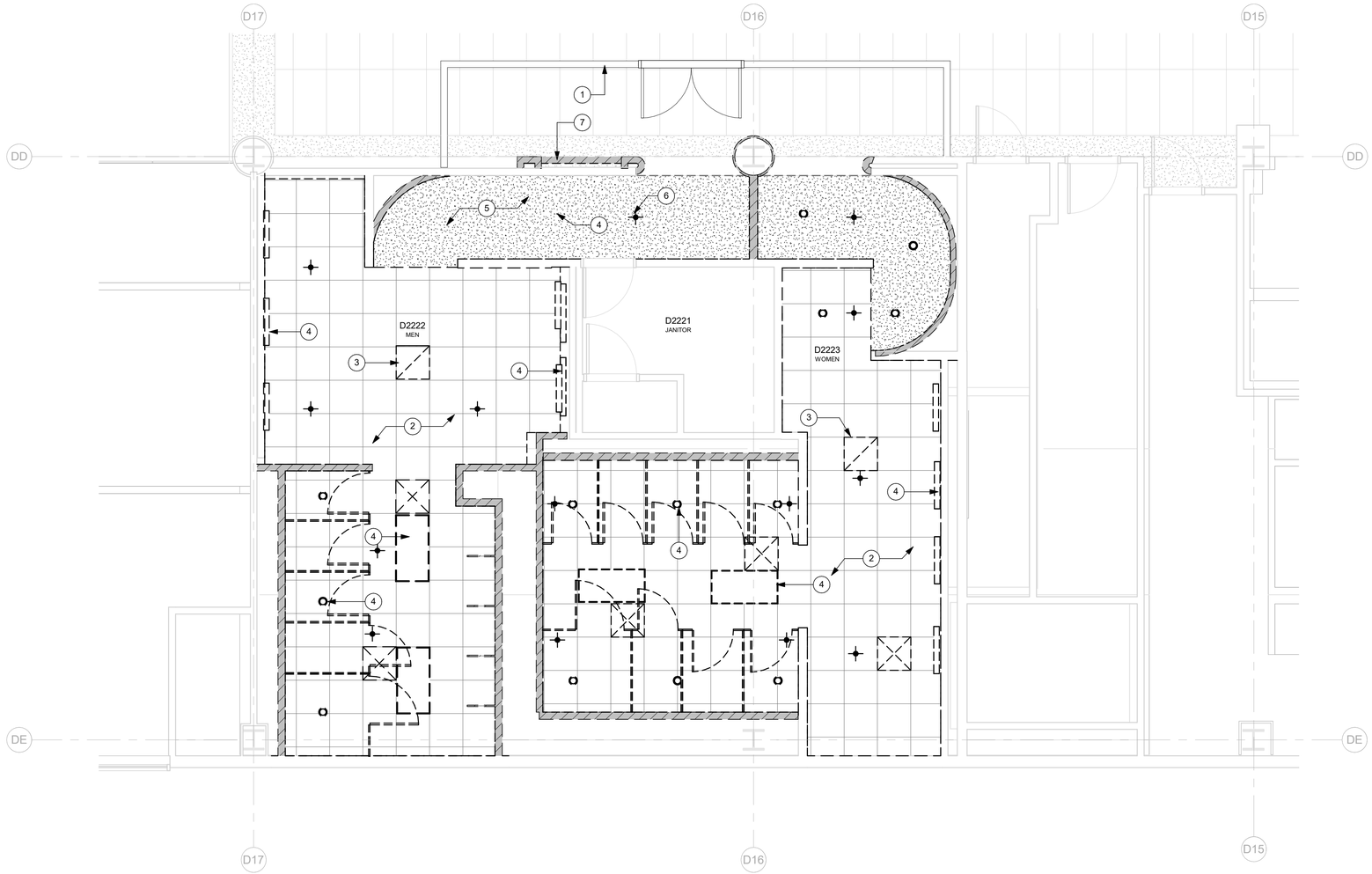

1 CONCOURSE D - SECTOR 2 - D2221, D2222, D2223 - ENPLANING - DEMO RCP
SCALE: 1/4" = 1'-0"

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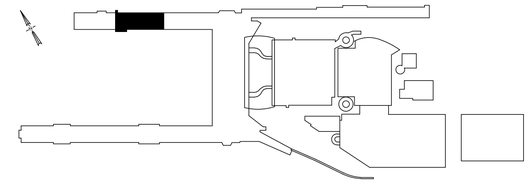
4 DEMO (E) LIGHTING
5 DEMO (E) VENEER PLASTER CEILING
6 DEMO (E) SPRINKLER HEADS
7 DEMO (E) WALL AND HEADER ABOVE OPENING

LEGEND

DEMO (E) ACCESS PANEL
DEMO (E) LIGHT FIXTURE
DEMO (E) MECH DIFFUSER OR RETURN
(E) SPRINKLER HEAD TO REMAIN
DEMO SPRINKLER HEAD
DEMO (E)VENEER PLASTER CEILING/SOFFIT
DEMO (E)SUSPENDED CEILING TO BE REMOVED
(E) 2-HOUR RATED WALL
(E) 1-HOUR RATED WALL
(E) ELEMENT TO BE DEMOLISHED
(E) ELEMENT TO BE DEMOLISHED
(E) TO REMAIN
WORK AREA BOUNDARY

KEY PLAN



NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE D - SECTOR 2 - D2221, D2222, D2223 - ENPLANING - DEMO RCP

SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. COOK		
DRAWN BY	M. PHILLIPS		
CHECKED BY	J. ROOT		
DATE	JULY 2026		
SHEET NO.	12	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	A2.01

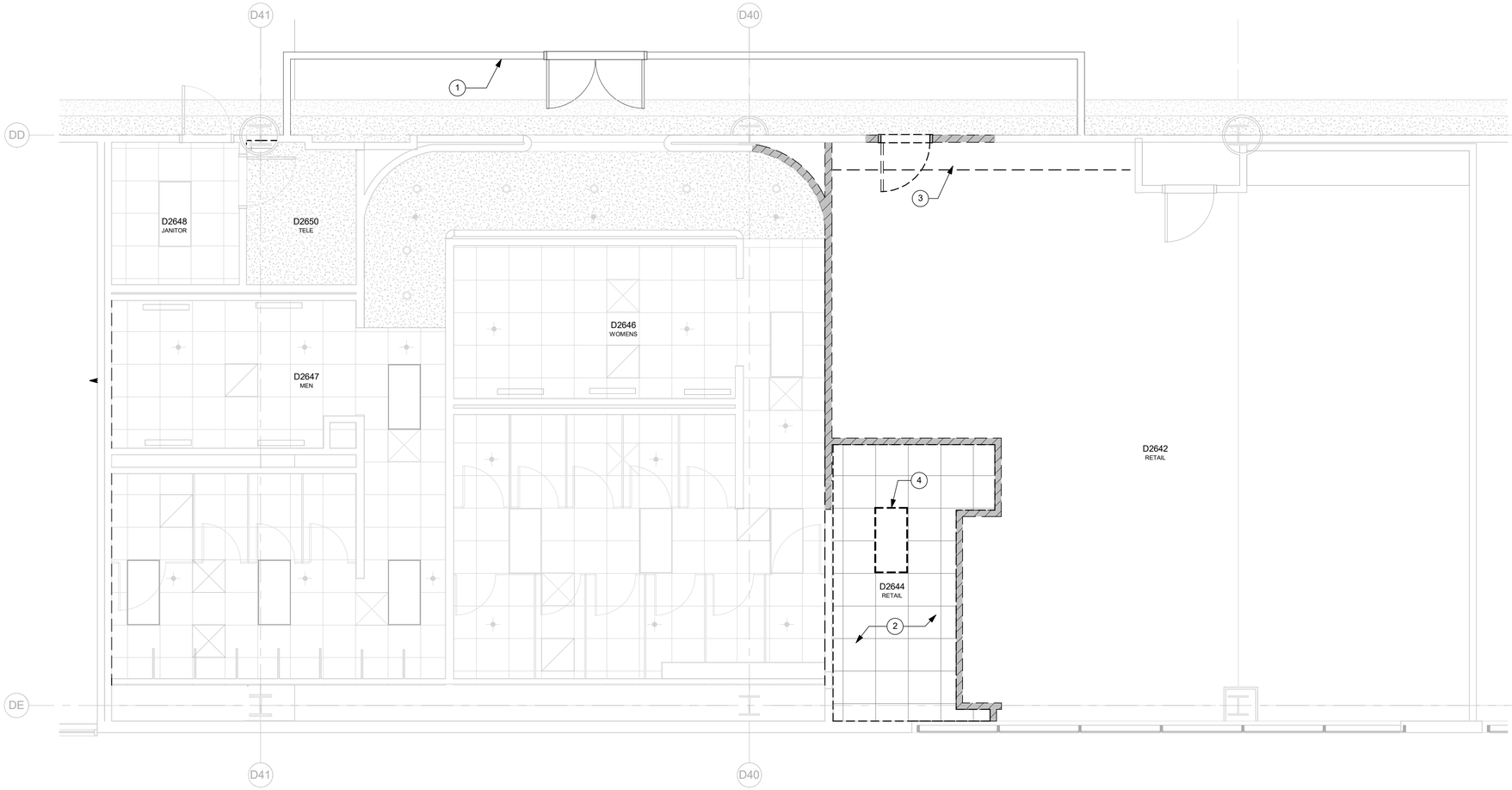
DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17". GRAPHIC SCALE-FOR REFERENCE ONLY
0 1/4" 1/2" 1" 2"

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

light gray
dark gray
black

0' 2' 4' 8' 12'

SCALE: IN FEET



1 CONCOURSE D - SECTOR 3 - D2642, D2644 - ENPLANING - DEMO RCP
SCALE: 1/4" = 1'-0"

NOTES

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5. COORDINATE STORAGE OF FURNISHINGS, EQUIPMENT AND OTHER FIXTURES W/ PORT.
6. COORDINATE W/ PORT WASTE MINIMIZATION TEAM FOR RECYCLING, RE-PURPOSING, OR DISPOSAL OF DEMOLISHED ITEMS AND CONSTRUCTION WASTE.
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9. REFERENCE SPECIFICATION DIVISIONS 1 AND 2 FOR ADDITIONAL REQUIREMENTS.
10. REFERENCE SHEET A11.00 FOR TYPICAL PARTITION TYPES AND METAL STUD FRAMING INFO.
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14. REFERENCE A8 SHEET SERIES FOR FINISH PLANS SHOWING FLOOR AND WALL FINISHES.

KEYNOTES

1 TEMPORARY BARRICADE WALL. COORDINATE WALL TYPE, CONNECTIONS, EXTENTS, AND KEYING W/ THE PORT
2 DEMO (E) SUSPENDED GRID CEILING
3 DEMO (E) SECURITY ROLLUP DOOR
4 DEMO (E) LIGHTING

LEGEND

- DEMO (E) ACCESS PANEL
- DEMO (E) LIGHT FIXTURE
- DEMO (E) MECH DIFFUSER OR RETURN
- (E) SPRINKLER HEAD TO REMAIN
- DEMO SPRINKLER HEAD
- DEMO (E)VENEER PLASTER CEILING/SOFFIT
- DEMO (E)SUSPENDED CEILING TO BE REMOVED
- (E) 2-HOUR RATED WALL
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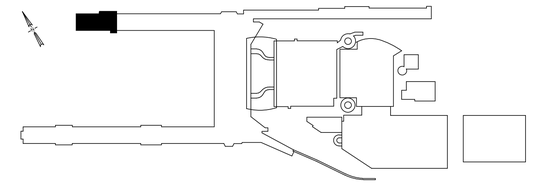
- (E) ELEMENT TO BE DEMOLISHED
- (E) ELEMENT TO BE DEMOLISHED
- (E) TO REMAIN
- WORK AREA BOUNDARY

KEY PLAN



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NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE D - SECTOR 3 - D2642, D2644 - ENPLANING - DEMO RCP

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	13
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A2.02

7/17/2026 11:09:29 AM Autodesk Docs://PDX CCD West and South Bag Claim Restroom Rehabilitation/202322.03 PDX Restrooms and Pet Relief.rvt

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

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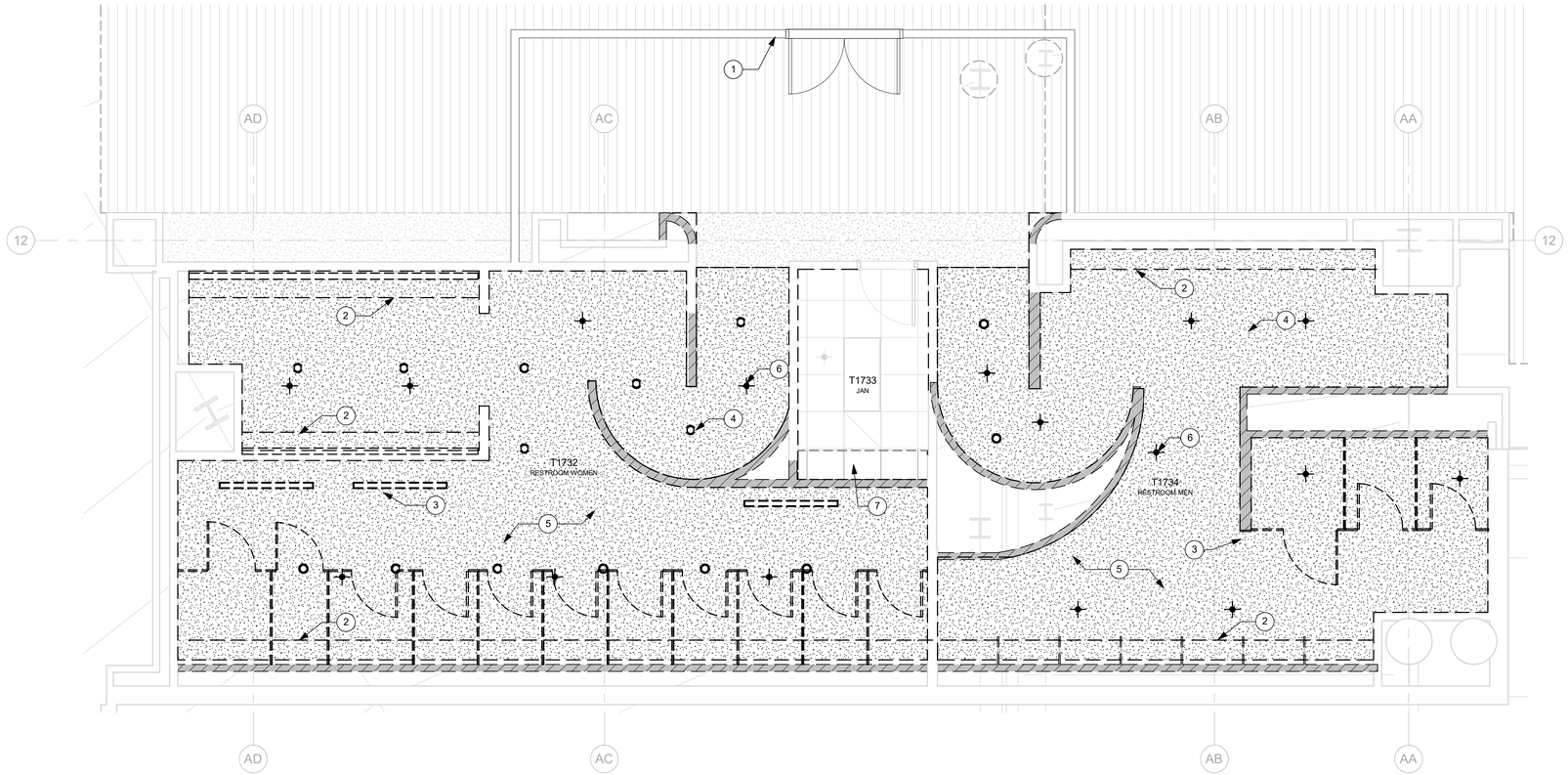
dark gray
black

0' 2' 4' 8' 12'

SCALE: IN FEET



1 TERMINAL - SECTOR E5 - T1732, T1733, T1734 - DEPLANING - DEMO RCP
SCALE: 1/4" = 1'-0"

NOTES

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KEYNOTES

1 TEMPORARY BARRICADE WALL. COORDINATE WALL TYPE, CONNECTIONS, EXTENTS, AND KEYING W/ THE PORT
2 DEMO (E) LIGHT TROUGH
3 DEMO (E) MECHANICAL SUPPLY AND RETURNS
4 DEMO (E) LIGHTING
5 DEMO (E) VENEER PLASTER CEILING
6 DEMO (E) SPRINKLER HEADS
7 DEMO (E) ACT CEILING AT NEW WALL LOCATION

LEGEND

DEMO (E) ACCESS PANEL
DEMO (E) LIGHT FIXTURE
DEMO (E) MECH DIFFUSER OR RETURN
(E) SPRINKLER HEAD TO REMAIN
DEMO SPRINKLER HEAD
DEMO (E)VENEER PLASTER CEILING/SOFFIT
DEMO (E)SUSPENDED CEILING TO BE REMOVED
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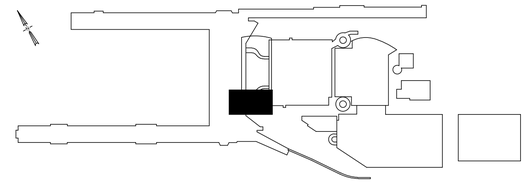
KEY PLAN



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NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

TERMINAL - SECTOR E5 - T1732, T1733, T1734 - DEPLANING - DEMO RCP

SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. COOK		
DRAWN BY	M. PHILLIPS		
CHECKED BY	J. ROOT		
DATE	JULY 2026		
SHEET NO.	14	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	A2.03

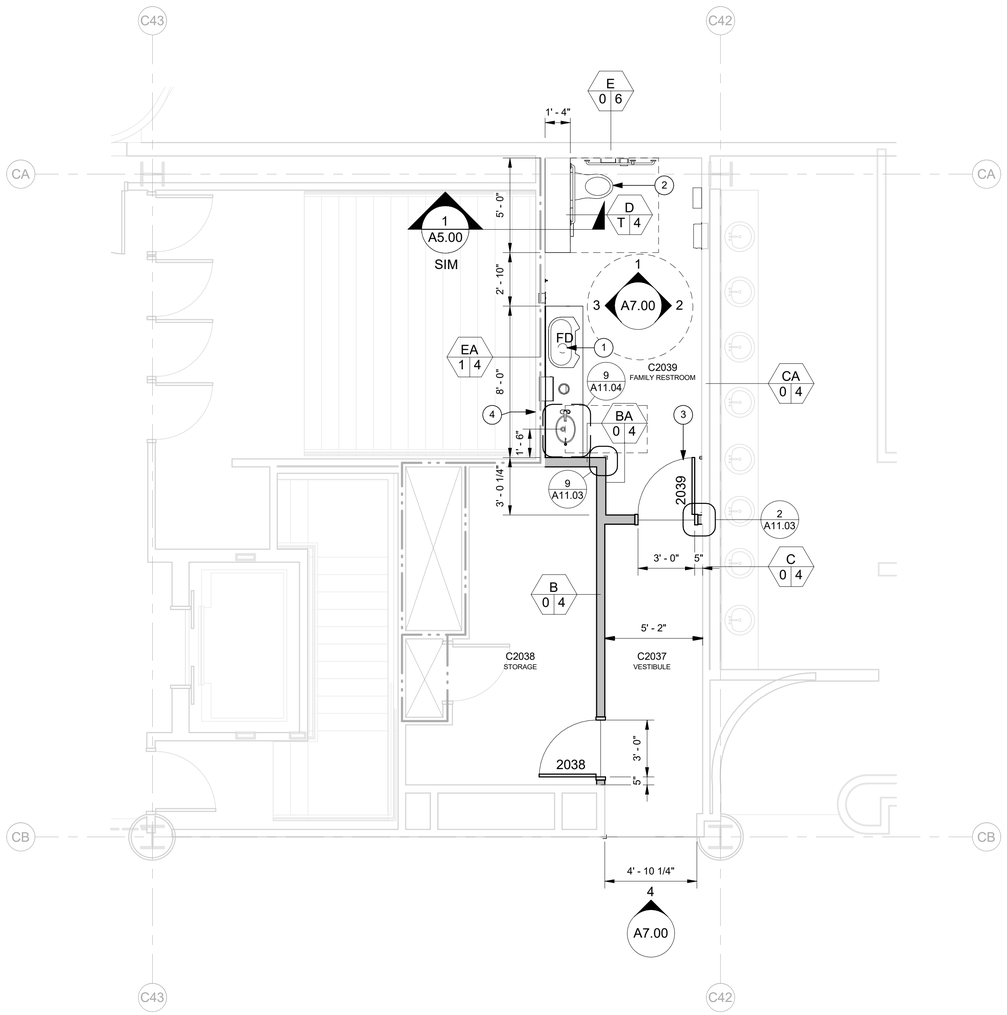
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.

light gray
dark gray
black

0' 2' 4' 8' 12'

SCALE: IN FEET

PLUMBING FIXTURE COUNT TOTAL		
FIXTURE TYPE	EXISTING	NEW TOTAL PROVIDED
WC	0 URINALS MEN, 0 WC MEN, 0 WC WOMEN	0 URINALS, 0 WC MEN, 0 WC WOMEN, 1 UNISEX
LAV	0 MEN, 0 WOMEN	0 MEN, 0 WOMEN, 1 UNISEX
DF	0	0



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

NOTES

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14. REFERENCE A8 SHEET SERIES FOR FINISH PLANS SHOWING FLOOR AND WALL FINISHES.

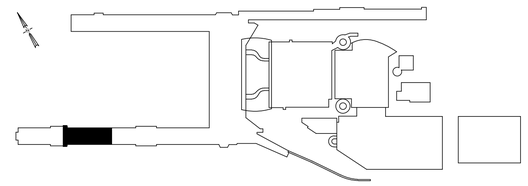
KEYNOTES

1 (N) FLOOR DRAIN
2 (N) PLUMBING FIXTURES, TYP
3 (N) HM DOOR AND FRAME
4 APPLY NEW FINISH OVER EXISTING RATED WALL TO MAINTAIN RATING

LEGEND

(E) 2-HOUR RATED WALL
(E) 1-HOUR RATED WALL
(N) FULL HEIGHT WALL WITH FINISH PER SCHEDULE, SEE PARTITION TYPES
(E) WALL WITH FINISH PER SCHEDULE, SEE PARTITION TYPES

KEY PLAN



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland
mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
CONCOURSE C - SECTOR 5 - C2039 - ENPLANING - FLOOR PLAN

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	15
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A3.00

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.

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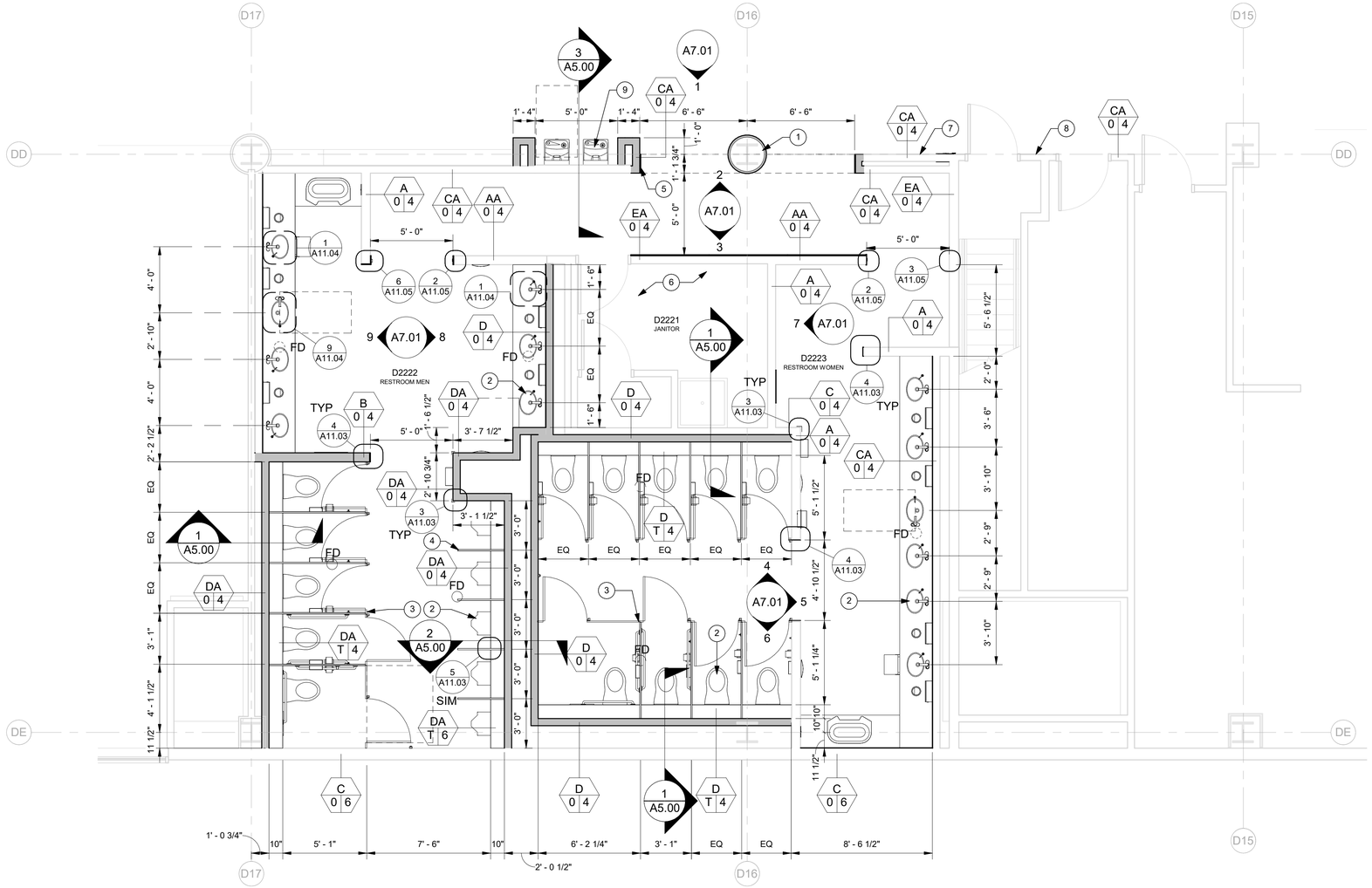
PLUMBING FIXTURE COUNT TOTAL		
FIXTURE TYPE	EXISTING	NEW TOTAL PROVIDED
WC	5 URINALS MEN, 5 WC MEN, 9 WC WOMEN	5 URINALS, 5 WC MEN, 9 WC WOMEN
LAV	7 MEN, 8 WOMEN	7 MEN, 6 WOMEN
DF	2	2



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

NOTES

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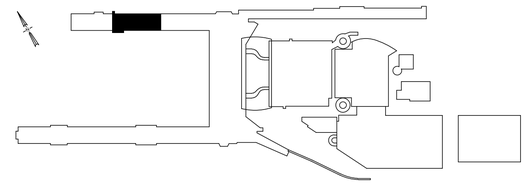
KEYNOTES

1 (N) COLUMN COVER
2 (N) PLUMBING FIXTURES, TYP
3 TOILET COMPARTMENT, TC2
4 URINAL SCREEN, TC2
5 SS PLATE AT JAMBS AND ACROSS HEAD OF OPENING, DM1
6 NO WORK IN THIS ROOM
7 DEFIBRILLATOR CABINET
8 FEC
9 REMOVE AND REINSTALL (E) WATER FOUNTAINS

LEGEND

(E) 2-HOUR RATED WALL
(E) 1-HOUR RATED WALL
(N) FULL HEIGHT WALL WITH FINISH PER SCHEDULE, SEE PARTITION TYPES
(E) WALL WITH FINISH PER SCHEDULE, SEE PARTITION TYPES

KEY PLAN



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GRAPHIC SCALE-FOR REFERENCE ONLY
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NO.	DATE	BY	REVISIONS	APP

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Port of Portland
mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
CONCOURSE D - SECTOR 2 - D2221, D2222, D2223 - ENPLANING - FLOOR PLAN

SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. COOK		
DRAWN BY	M. PHILLIPS		
CHECKED BY	J. ROOT		
DATE	JULY 2026		
SHEET NO.	16	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	A3.01

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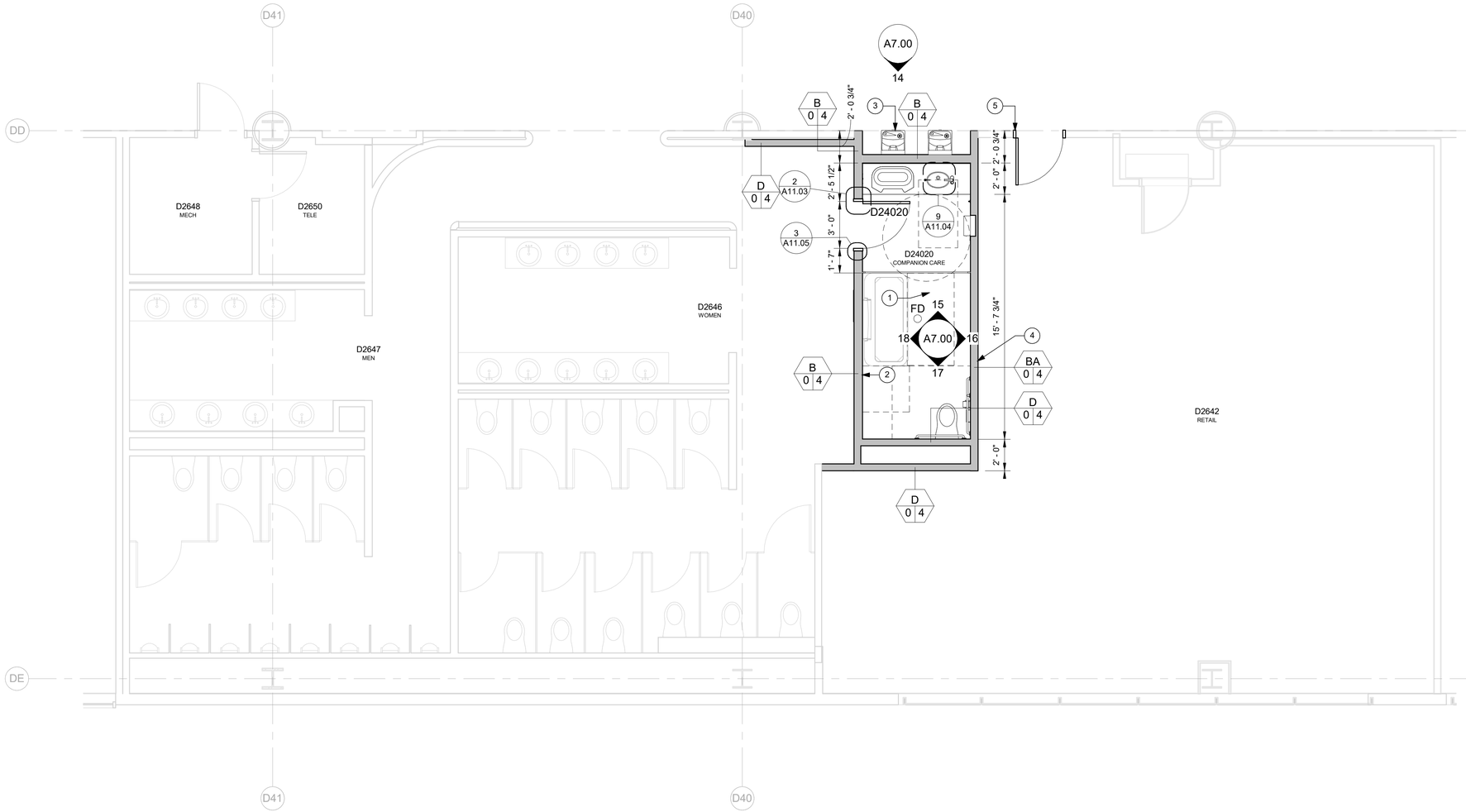

1 CONCOURSE D - SECTOR 3 - D24020 - ENPLANING - FLOOR PLAN
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KEYNOTES

1 (N) FLOOR DRAIN
2 (N) EMERGENCY CALL BUTTON
3 (E) RELOCATED WATER FOUNTAINS
4 NO FINISH REQUIRED THIS SIDE OF WALL, OPEN TO STUDS AND INSULATION
5 (E) RELOCATED TEMPORARY BARRICADE DOOR

LEGEND

(E) 2-HOUR RATED WALL
(E) 1-HOUR RATED WALL
(N) FULL HEIGHT WALL WITH FINISH PER SCHEDULE, SEE PARTITION TYPES
(E) WALL WITH FINISH PER SCHEDULE, SEE PARTITION TYPES

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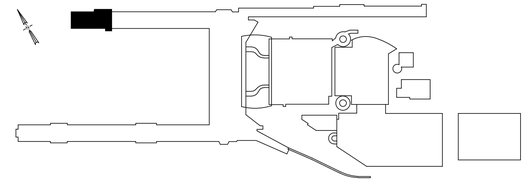

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Port of Portland
mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
CONCOURSE D - SECTOR 3 - D24020 - ENPLANING - FLOOR PLAN

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	17
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A3.02

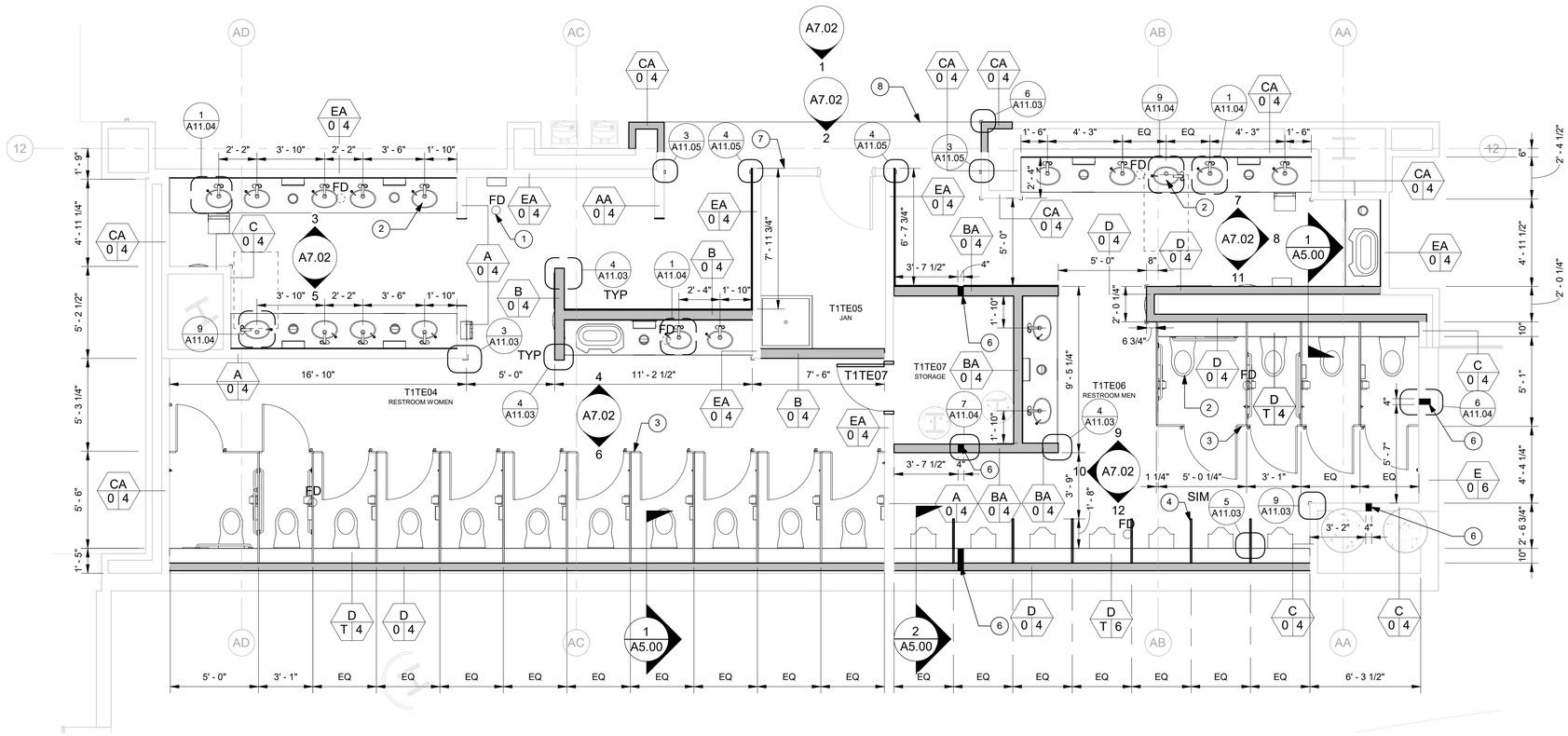
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.

light gray
dark gray
black

0' 2' 4' 8' 12'

SCALE: IN FEET

PLUMBING FIXTURE COUNT TOTAL		
FIXTURE TYPE	EXISTING	NEW TOTAL PROVIDED
WC	7 URINALS MEN, 3 WC MEN, 11 WC WOMEN	7 URINALS MEN, 4 WC MEN, 11 WC WOMEN
LAV	6 MEN, 7 WOMEN	7 MEN, 11 WOMEN
DF	2	2



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

NOTES

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6. COORDINATE W/ PORT WASTE MINIMIZATION TEAM FOR RECYCLING, RE-PURPOSING, OR DISPOSAL OF DEMOLISHED ITEMS AND CONSTRUCTION WASTE.
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13. REPAIR AND REPLACE EXISTING FLOOR, ROOF AND WALL FIREPROOFING AT ALL NEW WALL AND CEILING CONNECTIONS.
14. REFERENCE A8 SHEET SERIES FOR FINISH PLANS SHOWING FLOOR AND WALL FINISHES.

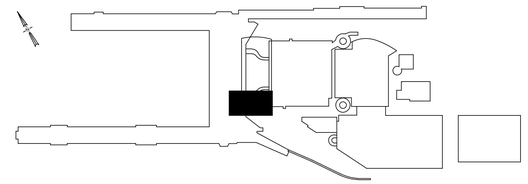
KEYNOTES

1 (E) FLOOR DRAIN TO BE RECOVERED
2 (N) PLUMBING FIXTURES, TYP
3 TOILET COMPARTMENT, TC2
4 URINAL SCREEN, TC2
6 (N) EXPANSION JOINT COVER
7 (E) FIRE ALARM TO REMAIN
8 START OF WORK LINE

LEGEND

(E) 2-HOUR RATED WALL
(E) 1-HOUR RATED WALL
(N) FULL HEIGHT WALL WITH FINISH PER SCHEDULE, SEE PARTITION TYPES
(E) WALL WITH FINISH PER SCHEDULE, SEE PARTITION TYPES

KEY PLAN



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland
mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
TERMINAL - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - DEPLANING - FLOOR PLAN

SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. COOK		
DRAWN BY	M. PHILLIPS		
CHECKED BY	J. ROOT		
DATE	JULY 2026		
SHEET NO.	18	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	A3.03

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

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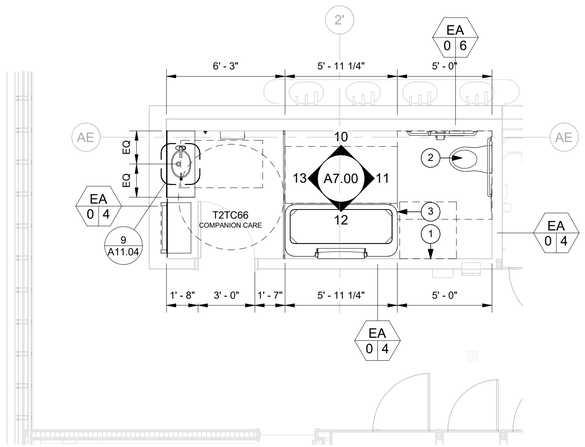
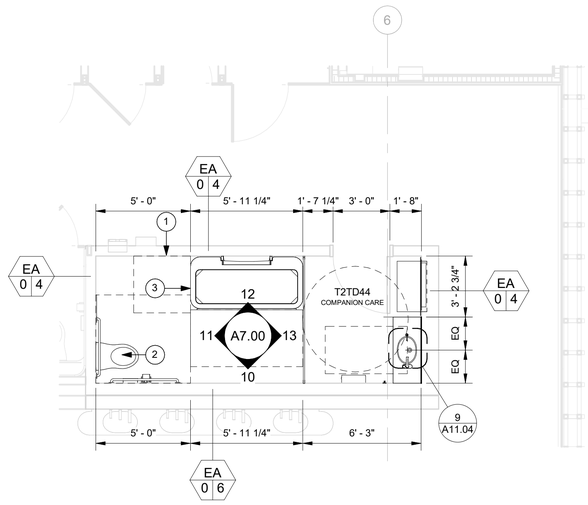
0' 2' 4' 8' 12'

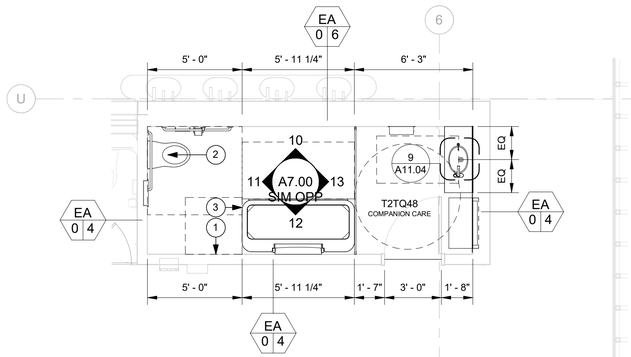
SCALE: IN FEET



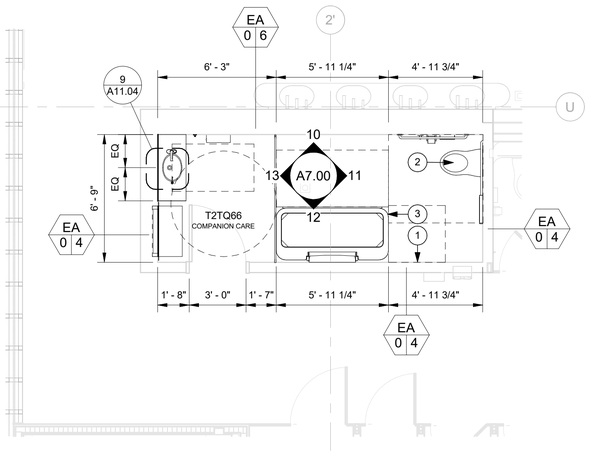
1 TERMINAL - SECTOR W5 - T2TC66 - ENPLANING - FLOOR PLAN
SCALE: 1/4" = 1'-0"



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



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



4 TERMINAL - SECTOR 2 - T2TQ66 - ENPLANING - FLOOR PLAN
SCALE: 1/4" = 1'-0"

NOTES

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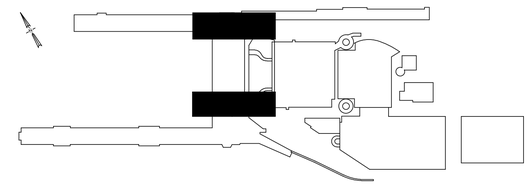
KEYNOTES

1 (N) EMERGENCY CALL BUTTON
2 (N) PLUMBING FIXTURES, TYP
3 ADULT CHANGING STATION, PROVIDE WALL BLOCKING PER STRUCTURAL

LEGEND

(E) 2-HOUR RATED WALL
(E) 1-HOUR RATED WALL
(N) FULL HEIGHT WALL WITH FINISH PER SCHEDULE, SEE PARTITION TYPES
(E) WALL WITH FINISH PER SCHEDULE, SEE PARTITION TYPES

KEY PLAN



NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

TERMINAL - SECTOR W5, SECTOR E5, SECTOR E2, SECTOR W - T2TC66, T2TD44, T2TQ48, T2TQ66 - ENPLANING - FLOOR PLAN

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	19
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A3.04

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

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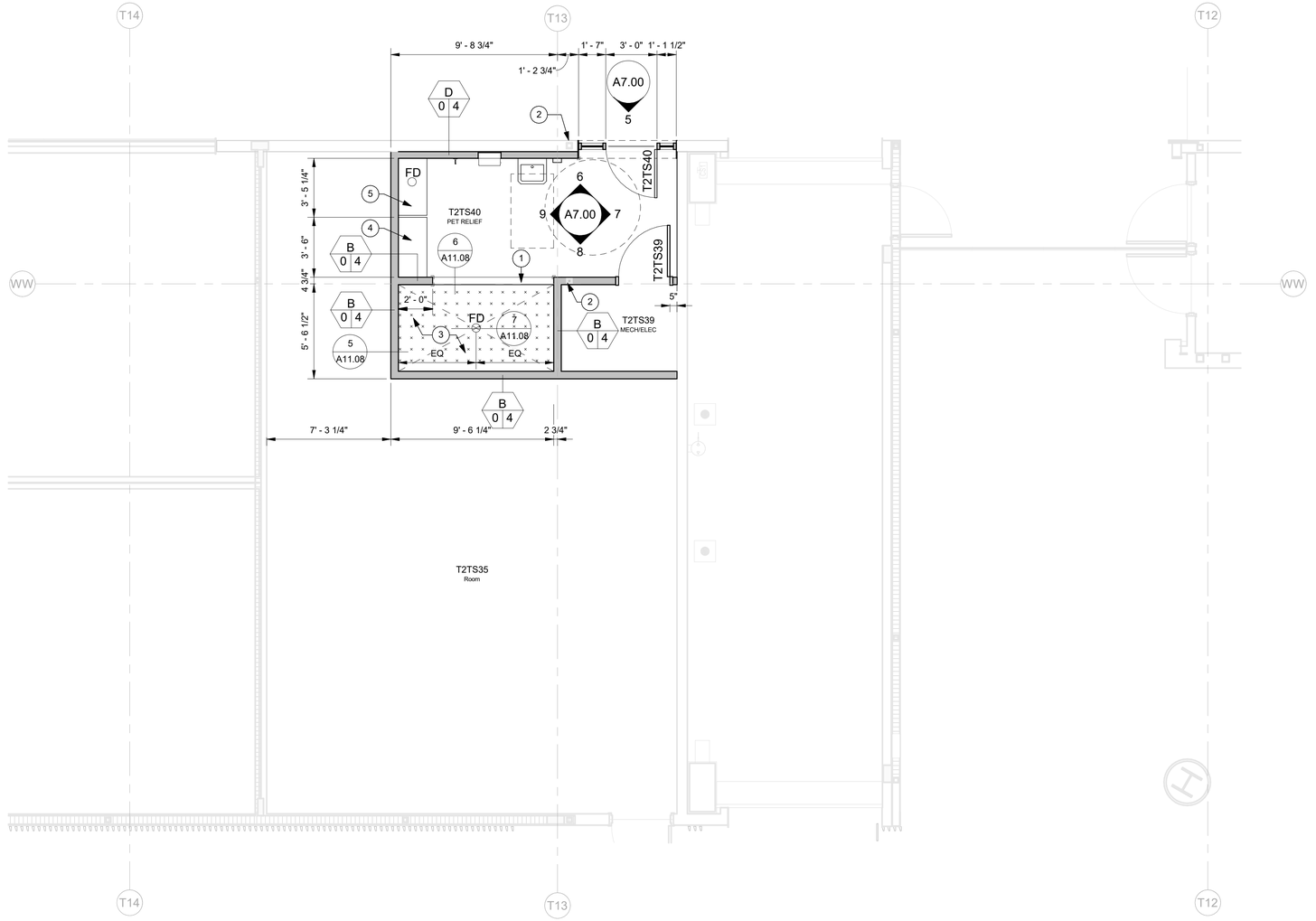
light gray
dark gray
black

0' 2' 4' 8' 12'

SCALE: IN FEET



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

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

NOTES

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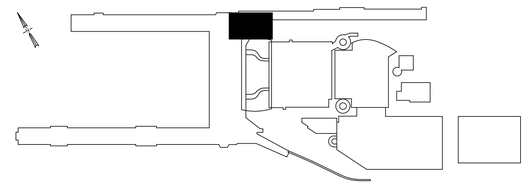
KEYNOTES

1 6" CONCRETE CURB, TYP (4) SIDES
2 (E) COLUMN
3 SYNTHETIC TURF SYSTEM
4 WALL MOUNTED STAINLESS STEEL BENCH, REFER TO STRUCTURAL FOR MOUNTING REQUIREMENTS
5 SS COUNTER WITH BACK AND END SPLASH

LEGEND

(E) 2-HOUR RATED WALL
(E) 1-HOUR RATED WALL
(N) FULL HEIGHT WALL WITH FINISH PER SCHEDULE, SEE PARTITION TYPES
(E) WALL WITH FINISH PER SCHEDULE, SEE PARTITION TYPES

KEY PLAN



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NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

TERMINAL - SECTOR E1 - T2TS40 - ENPLANING - FLOOR PLAN

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	20 TYPE CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A3.05

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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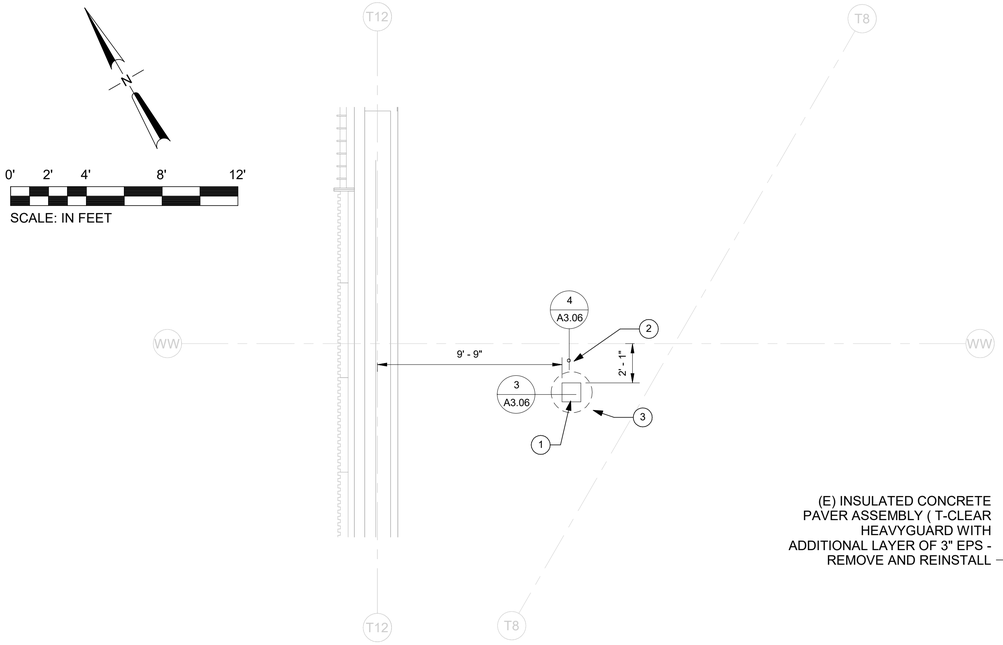
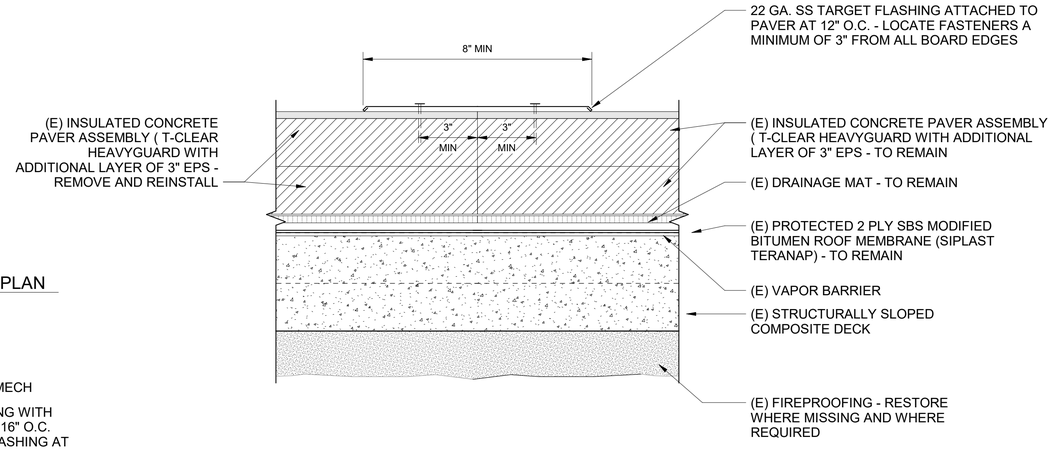


1 TERMINAL - SECTOR E1 - T2TS40 - ENPLANING - ROOF PLAN
SCALE: 1/4" = 1'-0"



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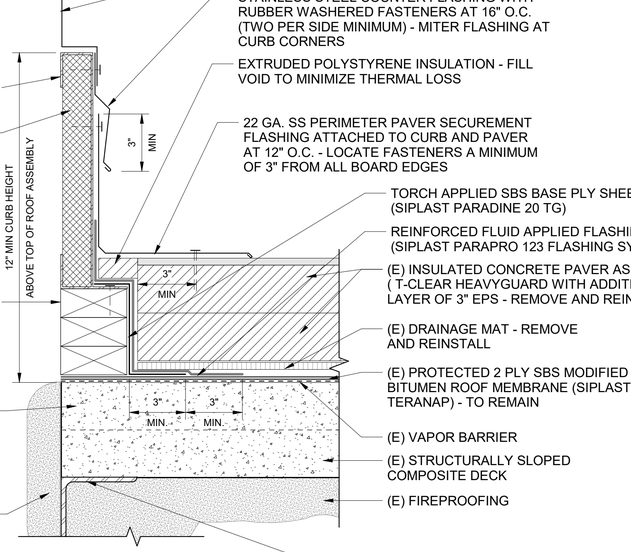
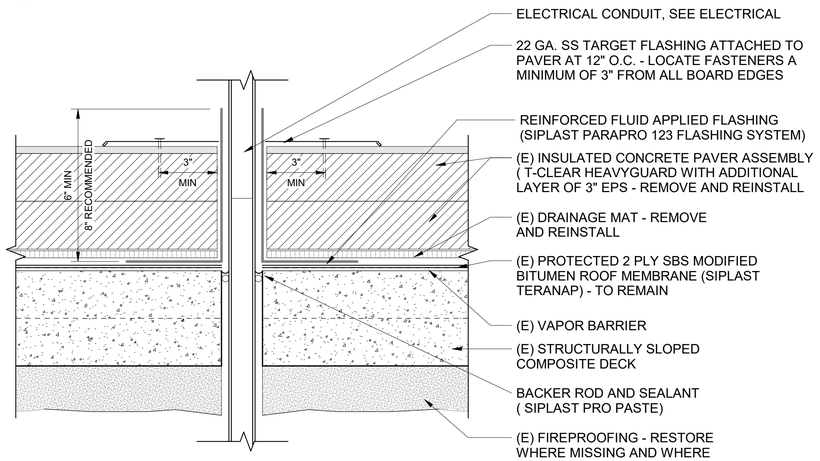
KEYNOTES

1 EXHAUST FAN, SEE MECHANICAL
2 ELECTRICAL CONDUIT, SEE ELECTRICAL
3 SEE DETAIL 2/A3.06 WHEN PAVER TONGUES ARE REMOVED TO PERFORM WORK

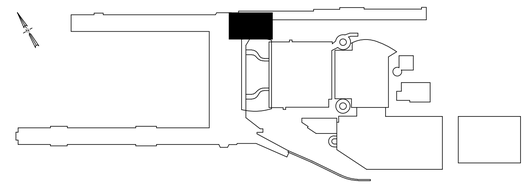


3 SECTION - EXHAUST FAN UNIT CURB
SCALE: 3" = 1'-0"



4 SECTION - ELECTRICAL CONDUIT PENETRATION
SCALE: 3" = 1'-0"

KEY PLAN



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NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland
mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
TERMINAL - SECTOR E1 - T2TS40 - ENPLANING - ROOF PLAN

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	21
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A3.06

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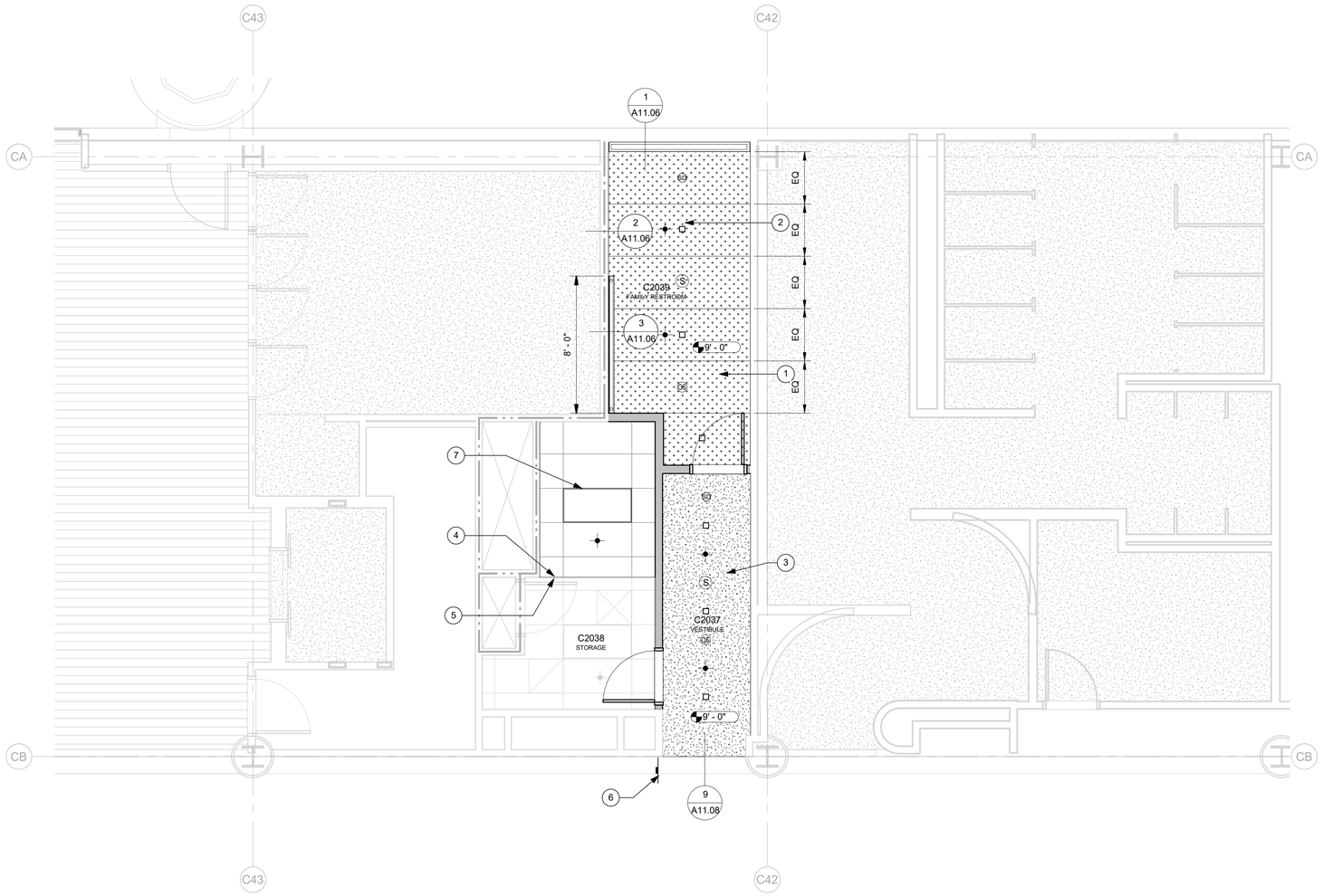

1 CONCOURSE C - SECTOR 5 - C2039 - ENPLANING - RCP
SCALE: 1/4" = 1'-0"

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KEYNOTES

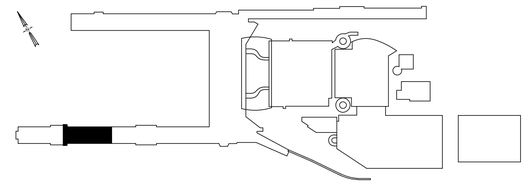
1 (N) CONCEALED GRID ACOUSTIC METAL CEILING, AMC3
2 (N) SPRINKLER HEAD
3 (N) VENEER PLASTER CEILING, P1
4 (N) 2X4 ACT CEILING, APC2
5 (E) ACT CEILING TO REMAIN
6 (N) SIGNAGE
7 (E) RELOCATED LIGHT FIXTURE

LEGEND

ACCESS PANEL
LIGHT FIXTURES
MECH DIFFUSER OR RETURN
LINEAR WOOD CEILING (LWC1)
VENEER PLASTER CEILING/SOFFIT
ACOUSTIC METAL CEILING (AMC3)
ACOUSTIC METAL CEILING (AMC6)
SUSPENDED ACT CEILING

OS OCCUPANCY SENSOR
SD SMOKE DETECTOR
S SPEAKER
STROBE
X' - X" CEILING HEIGHT
(E) SPRINKLER HEAD
(N) SPRINKLER HEAD

KEY PLAN



NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE C - SECTOR 5 - C2039 - ENPLANING - RCP

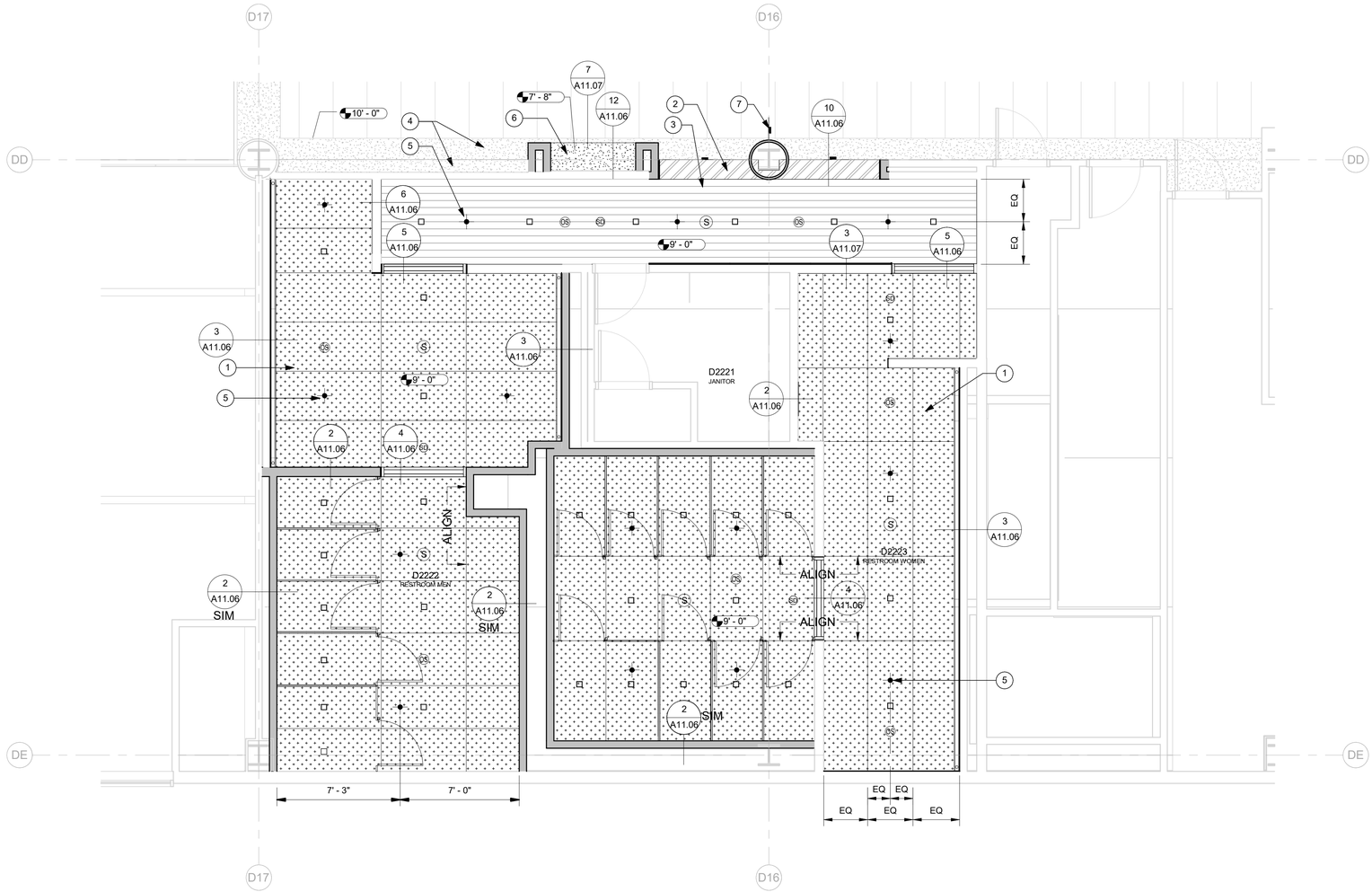
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	22
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A4.00

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

0' 2' 4' 8' 12'

SCALE: IN FEET



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

NOTES

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14. REFERENCE A8 SHEET SERIES FOR FINISH PLANS SHOWING FLOOR AND WALL FINISHES.

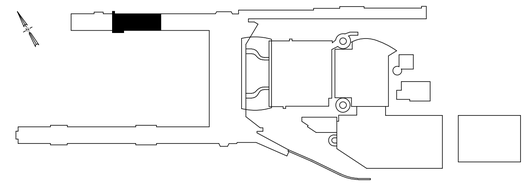
KEYNOTES

1 (N) CONCEALED GRID ACOUSTIC METAL CEILING, AMC3
2 SS PLATE AT JAMBS AND ACROSS HEAD OF OPENING, DM1
3 (N) LINEAR WOOD CEILING, LWC1
4 (E) SOFFIT TO REMAIN
5 (N) SPRINKLER HEAD
6 (N) VENEER PLASTER CEILING, MATCH ADJACENT PAINT COLOR
7 (N) SIGNAGE

LEGEND

- ACCESS PANEL
- LIGHT FIXTURES
- MECH DIFFUSER OR RETURN
- LINEAR WOOD CEILING (LWC1)
- VENEER PLASTER CEILING/SOFFIT
- ACOUSTIC METAL CEILING (AMC3)
- ACOUSTIC METAL CEILING (AMC6)
- SUSPENDED ACT CEILING
- OCCUPANCY SENSOR
- SMOKE DETECTOR
- SPEAKER
- STROBE
- X' - X" CEILING HEIGHT
- (E) SPRINKLER HEAD
- (N) SPRINKLER HEAD

KEY PLAN



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NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER | 103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

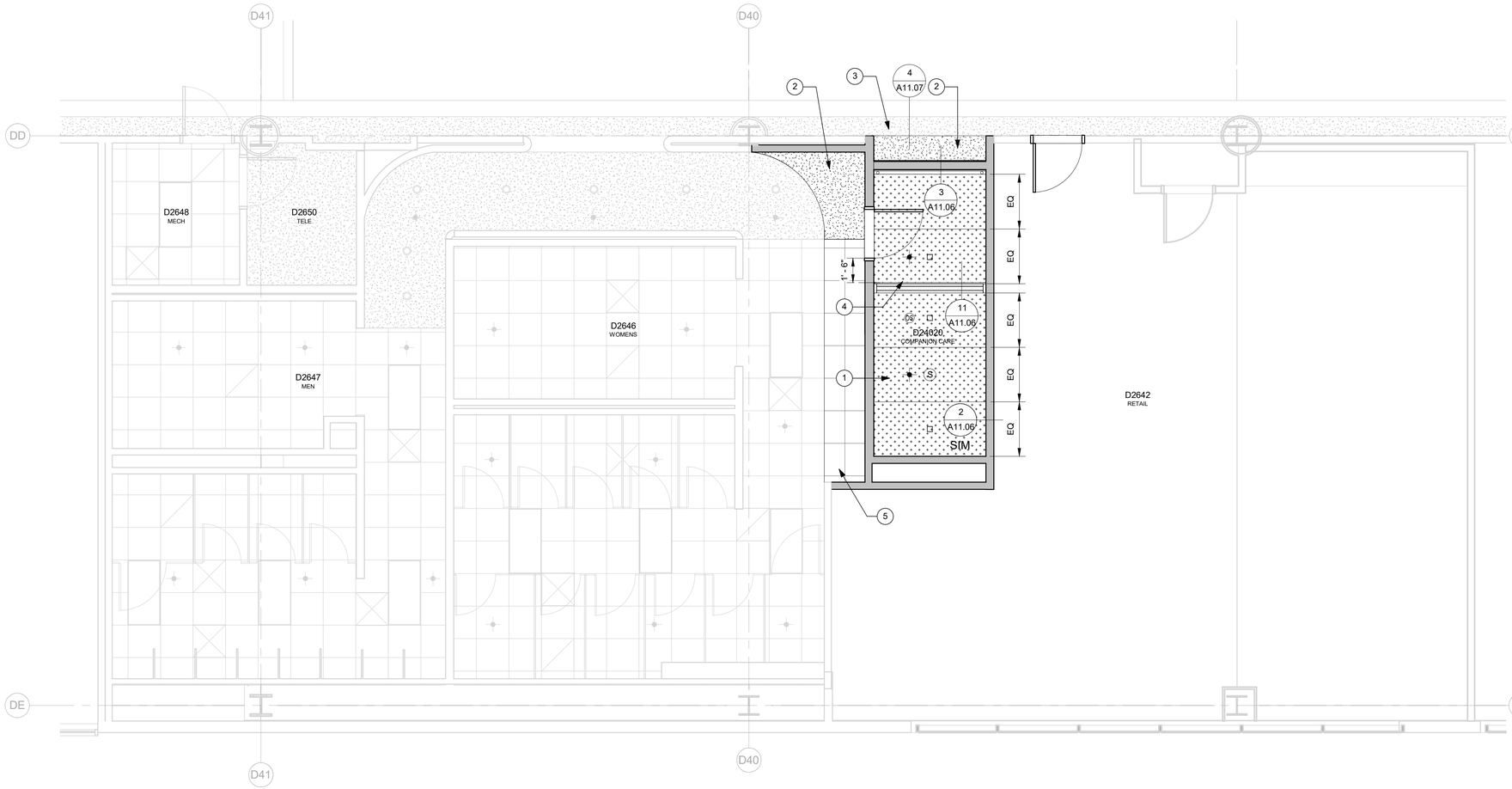
CONCOURSE D - SECTOR 2 - D2221, D2222, D2223 - ENPLANING - RCP

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	23
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A4.01

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.

0' 2' 4' 8' 12'

SCALE: IN FEET



1 CONCOURSE D - SECTOR 3 - D24020 - ENPLANING - RCP
SCALE: 1/4" = 1'-0"

NOTES

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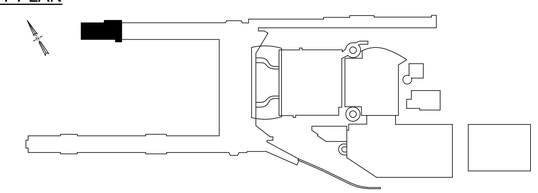
KEYNOTES

1 (N) CONCEALED GRID ACOUSTIC METAL CEILING, AMC3
2 (N) VENEER PLASTER CEILING, MATCH ADJACENT PAINT COLOR
3 (E) SOFFIT TO REMAIN
4 CURTAIN TRACK WITH CUBICLE CURTAIN
5 (N) 2X2 ACT CEILING, APC2

LEGEND

- ACCESS PANEL
- LIGHT FIXTURES
- MECH DIFFUSER OR RETURN
- LINEAR WOOD CEILING (LWC1)
- VENEER PLASTER CEILING/SOFFIT
- ACOUSTIC METAL CEILING (AMC3)
- ACOUSTIC METAL CEILING (AMC6)
- SUSPENDED ACT CEILING
- OS OCCUPANCY SENSOR
- SD SMOKE DETECTOR
- S SPEAKER
- STROBE
- X' - X" CEILING HEIGHT
- (E) SPRINKLER HEAD
- (N) SPRINKLER HEAD

KEY PLAN



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NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE D - SECTOR 3 - D24020 - ENPLANING - RCP

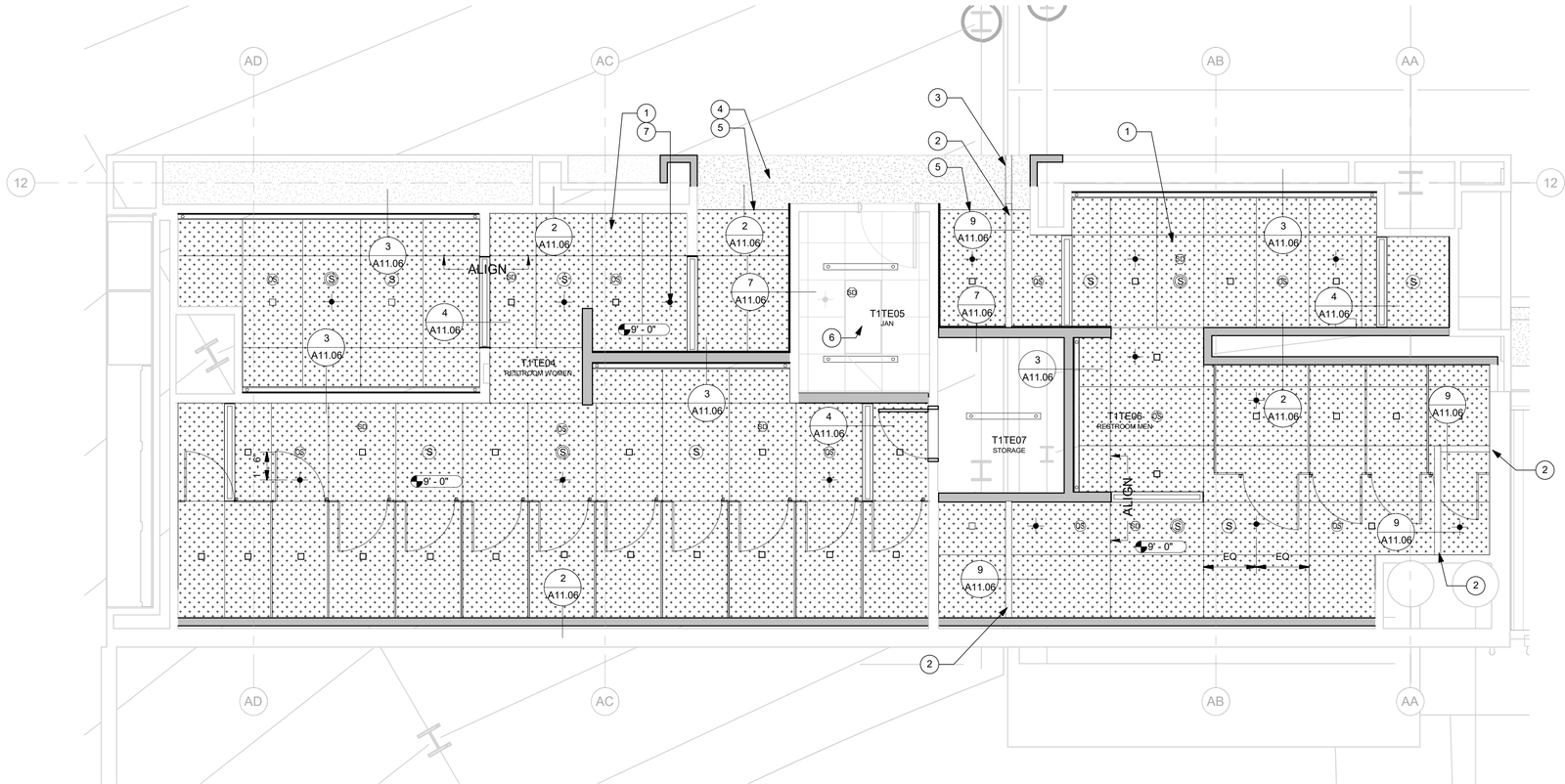
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	24
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A4.02

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

light gray
dark gray
black

0' 4' 8' 16' 24'

SCALE: IN FEET



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

NOTES

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14. REFERENCE A8 SHEET SERIES FOR FINISH PLANS SHOWING FLOOR AND WALL FINISHES.

KEYNOTES

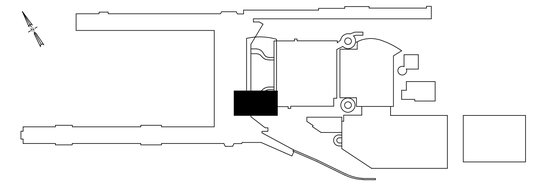
1 (N) CONCEALED GRID ACOUSTIC METAL CEILING, AMC3
2 EXPANSION JOINT COVER
3 (N) EXPANSION JOINT COVER TO ALIGN WITH (E) CEILING JOINT COVER
4 (E) SOFFIT TO REMAIN
5 START OF WORK LINE
6 (E) SPRINKLER HEAD TO REMAIN
7 (N) SPRINKLER HEAD

LEGEND

ACCESS PANEL
LIGHT FIXTURES
MECH DIFFUSER OR RETURN
LINEAR WOOD CEILING (LWC1)
VENEER PLASTER CEILING/SOFFIT
ACOUSTIC METAL CEILING (AMC3)
ACOUSTIC METAL CEILING (AMC6)
SUSPENDED ACT CEILING

OS OCCUPANCY SENSOR
SD SMOKE DETECTOR
S SPEAKER
STROBE
X' - X" CEILING HEIGHT
(E) SPRINKLER HEAD
(N) SPRINKLER HEAD

KEY PLAN



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

TERMINAL - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - DEPLANING - RCP

SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. COOK		
DRAWN BY	M. PHILLIPS		
CHECKED BY	J. ROOT		
DATE	JULY 2026		
SHEET NO.	25	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	A4.03

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.

light gray

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black

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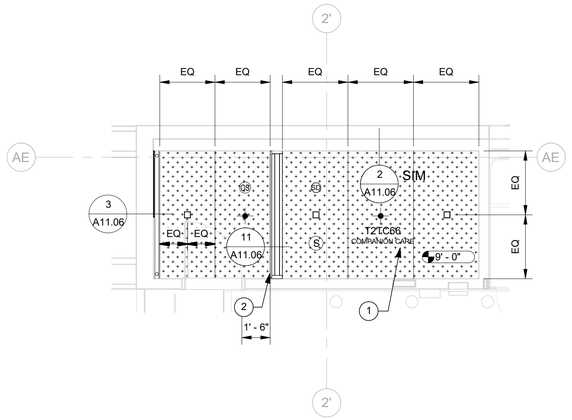
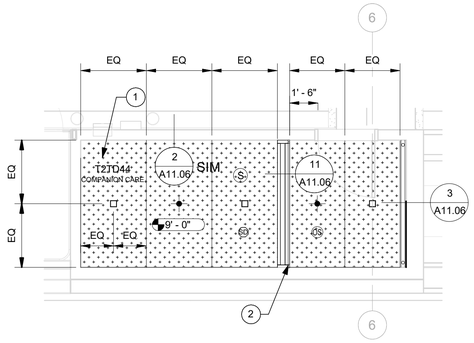
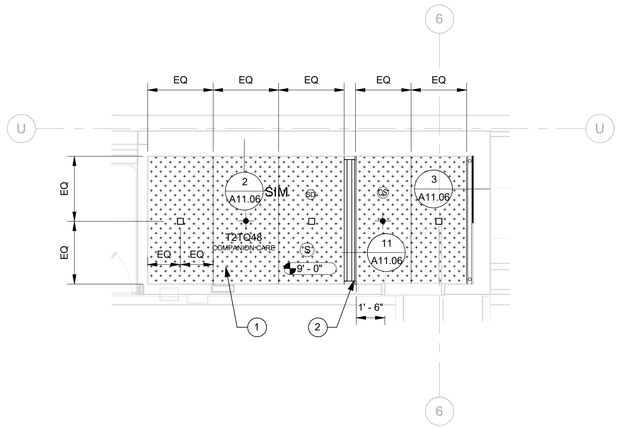


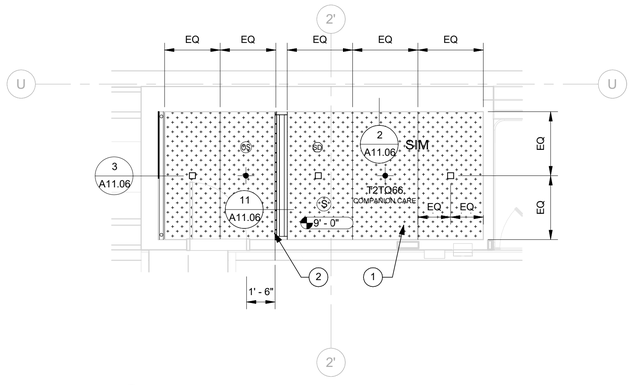
1 TERMINAL - SECTOR W5 - T2TC66 - ENPLANING - RCP
SCALE: 1/4" = 1'-0"



2 TERMINAL - SECTOR E5 - T2TD44 - ENPLANING - RCP
SCALE: 1/4" = 1'-0"



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



4 TERMINAL - SECTOR W - T2TQ66 - ENPLANING - RCP
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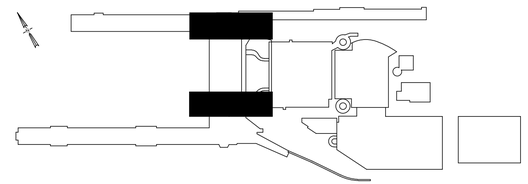
KEYNOTES

1 (N) CONCEALED GRID ACOUSTIC METAL CEILING, AMC3
2 CURTAIN TRACK WITH CUBICLE CURTAIN

LEGEND

- ACCESS PANEL
- LIGHT FIXTURES
- MECH DIFFUSER OR RETURN
- LINEAR WOOD CEILING (LWC1)
- VENEER PLASTER CEILING/SOFFIT
- ACOUSTIC METAL CEILING (AMC3)
- ACOUSTIC METAL CEILING (AMC6)
- SUSPENDED ACT CEILING
- OS OCCUPANCY SENSOR
- SD SMOKE DETECTOR
- S SPEAKER
- STROBE
- X - X" CEILING HEIGHT
- (E) SPRINKLER HEAD
- (N) SPRINKLER HEAD

KEY PLAN



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Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

TERMINAL - SECTOR W5, SECTOR E5, SECTOR E2, SECTOR W - T2TC66, T2TD44, T2TQ48, T2TQ66 - ENPLANING - RCP

SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. COOK		
DRAWN BY	M. PHILLIPS		
CHECKED BY	J. ROOT		
DATE	JULY 2026		
SHEET NO.	26	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	A4.04

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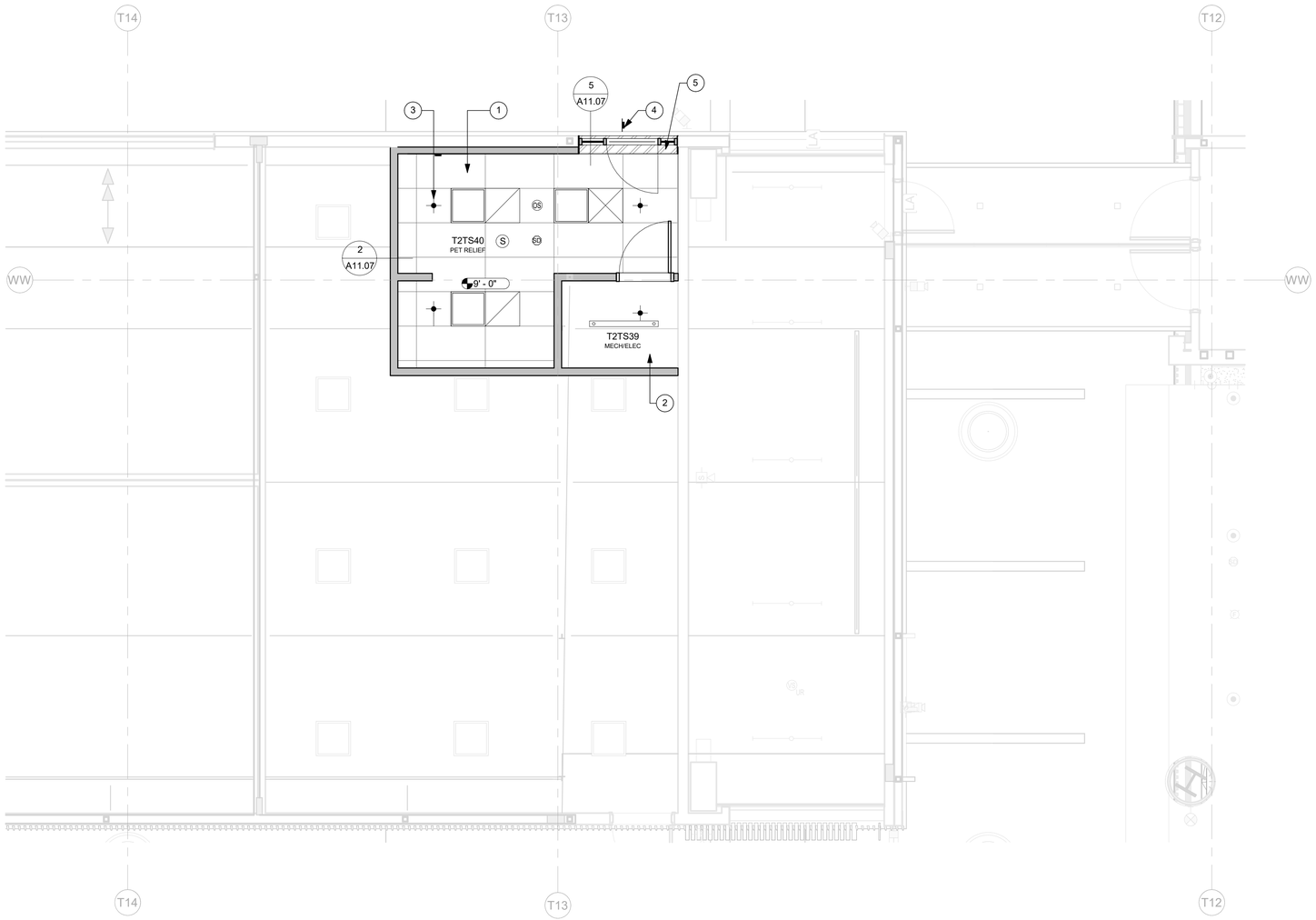

1 TERMINAL - SECTOR E1 - T2TS40 - ENPLANING - RCP
SCALE: 1/4" = 1'-0"

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KEYNOTES

1 (N) 2X4 ACT CEILING, APC2
2 OPEN TO STRUCTURE
3 (N) SPRINKLER HEAD
4 (N) SIGNAGE
5 SS PLATE AT JAMBS AND ACROSS HEAD OF OPENING, DM1

LEGEND

- ACCESS PANEL
- LIGHT FIXTURES
- MECH DIFFUSER OR RETURN
- LINEAR WOOD CEILING (LWC1)
- VENEER PLASTER CEILING/SOFFIT
- ACOUSTIC METAL CEILING (AMC3)
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- X' - X" CEILING HEIGHT
- (E) SPRINKLER HEAD
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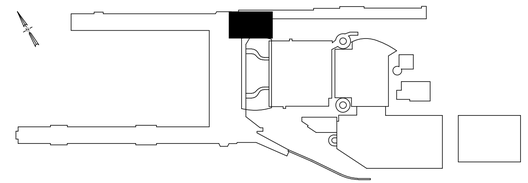
KEY PLAN



NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

TERMINAL - SECTOR E1 - T2TS40 - ENPLANING - RCP

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	27
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A4.05

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

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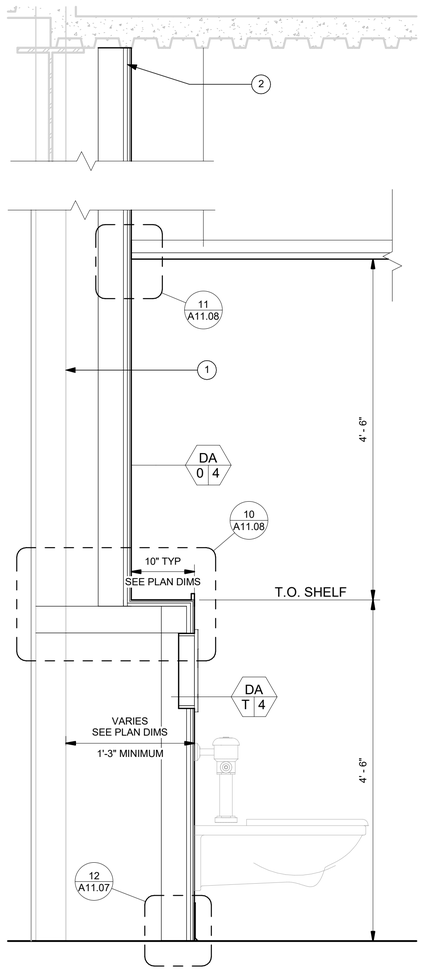
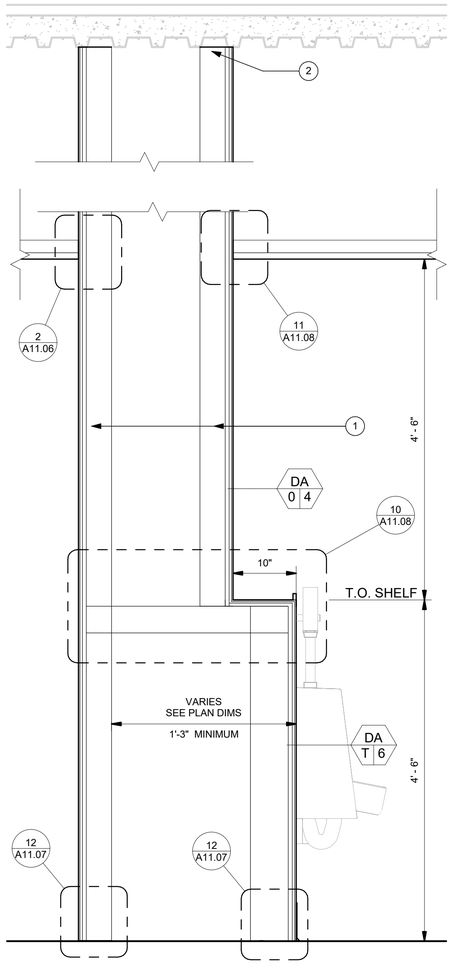
0' 2' 4' 8' 12'

SCALE: IN FEET



1 WALL SECTION 4
SCALE: 1" = 1'-0"



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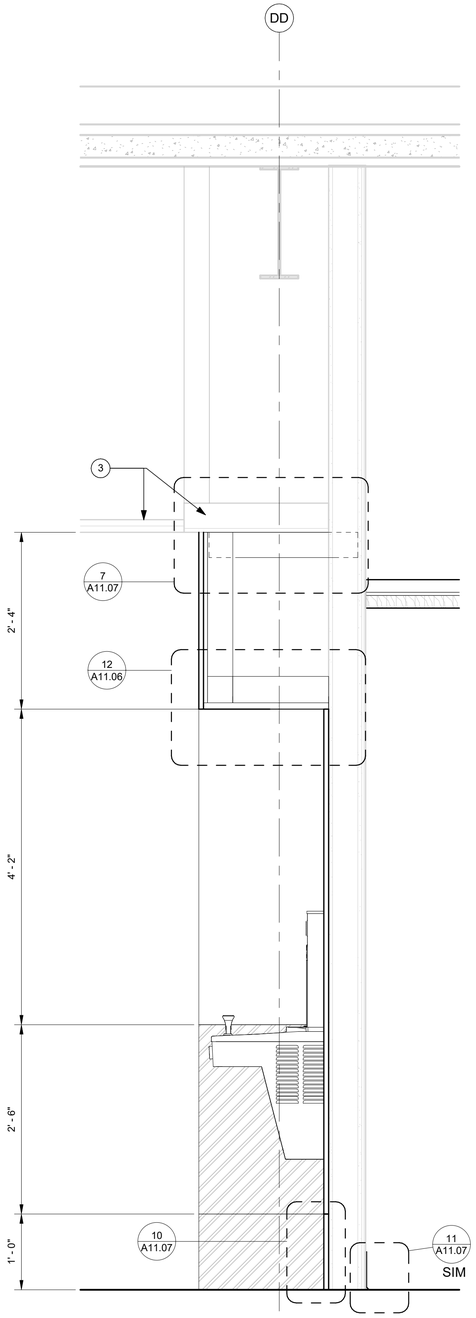


3 WALL SECTION 7
SCALE: 1" = 1'-0"

KEYNOTES

1 SEE FLOOR PLAN FOR PARTITION TYPES
2 SEE SHEET A11.01 FOR WALL HEAD DETAILS
3 (E) SOFFIT FRAMING AND CEILING

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

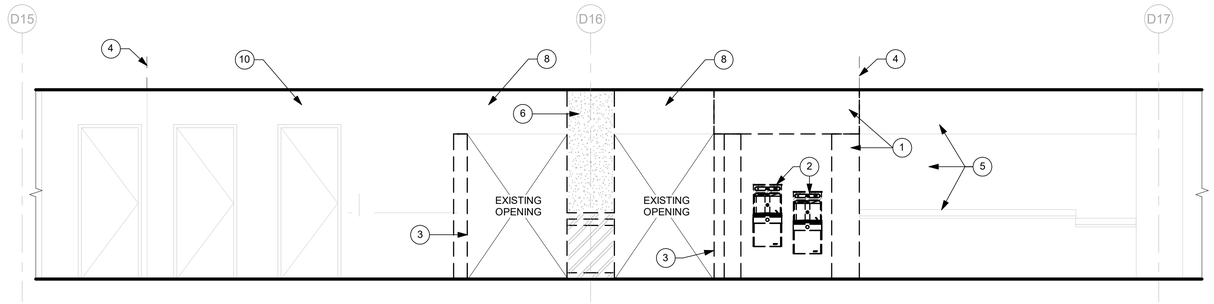
PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

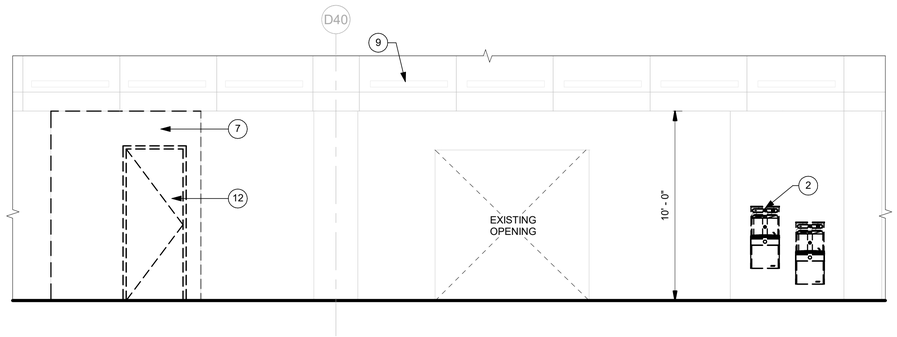
WALL SECTIONS 1

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	28
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A5.00

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.



1 D2222/D2223 EXTERIOR ENTRY - DEMO
SCALE: 1/4" = 1'-0"



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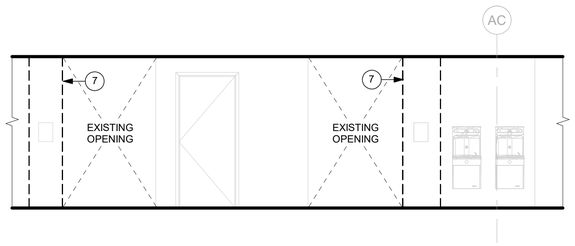

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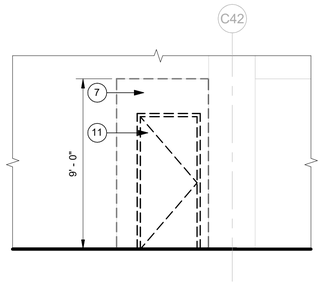
SCALE: 1/4" = 1'-0"



4 C2037 EXTERIOR ENTRY - DEMO
SCALE: 1/4" = 1'-0"

NOTES

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5. COORDINATE STORAGE OF FURNISHINGS, EQUIPMENT AND OTHER FIXTURES W/ PORT.
6. COORDINATE W/ PORT WASTE MINIMIZATION TEAM FOR RECYCLING, RE-PURPOSING, OR DISPOSAL OF DEMOLISHED ITEMS AND CONSTRUCTION WASTE.
7. LIGHTING, FIRE ALARM, AND SECURITY TO REMAIN OPERATIONAL DURING CONSTRUCTION. CONTRACTOR TO COORDINATE W/ PORT.
8. AREAS BEYOND LINE OF WORK MAY BE INCLUDED TO FACILITATE CONSTRUCTION AND PROJECT COMPLETION.
9. REFERENCE SPECIFICATION DIVISIONS 1 AND 2 FOR ADDITIONAL REQUIREMENTS.
10. REFERENCE SHEET A11.00 FOR TYPICAL PARTITION TYPES AND METAL STUD FRAMING INFO.
11. REFERENCE SHEET A10.00 FOR FINISH AND DOOR / FRAME SCHEDULE
12. REFERENCE STRUCTURAL FOR SLAB INFILL DETAILS AT (N) FLOOR DRAINS.
13. REPAIR AND REPLACE EXISTING FLOOR, ROOF AND WALL FIREPROOFING AT ALL NEW WALL AND CEILING CONNECTIONS.
14. REFERENCE A8 SHEET SERIES FOR FINISH PLANS SHOWING FLOOR AND WALL FINISHES.

KEYNOTES

1 DEMO (E) WALL AND HEADER ABOVE OPENING
2 REMOVE AND REINSTALL (E) WATER FOUNTAINS
3 DEMO (E) SS BULLNOSE
4 START OF WORK LINE
5 (E) WALL, SOFFIT AND COUNTER TO REMAIN
6 DEMO (E) COLUMN COVER
7 DEMO (E) WALL
8 (E) HEADER TO REMAIN, DEMO (E) WOOD PANEL FINISH
9 (E) MECHANICAL SOFFIT TO REMAIN
10 DEMO (E) WOOD PANEL FINISH
11 DEMO (E) DOOR
12 REMOVE AND REINSTALL (E) TEMPORARY BARRICADE ACCESS DOOR

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

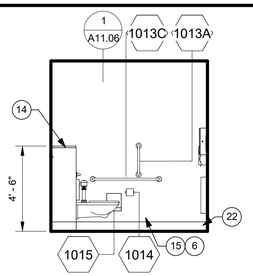
INTERIOR ELEVATIONS - DEMO

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	29
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A6.00

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

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

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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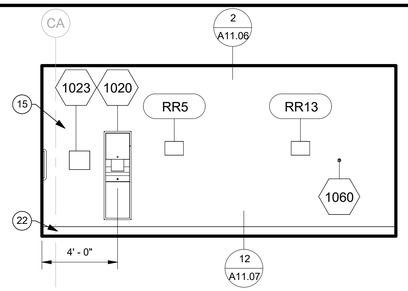

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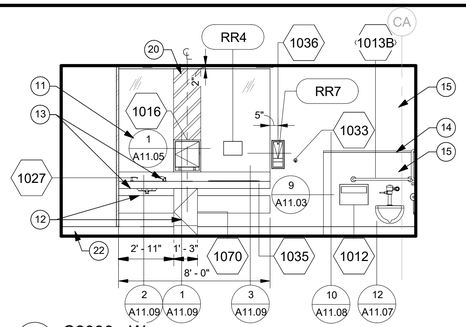

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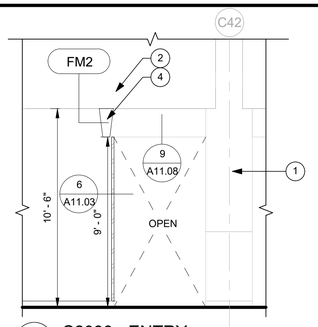

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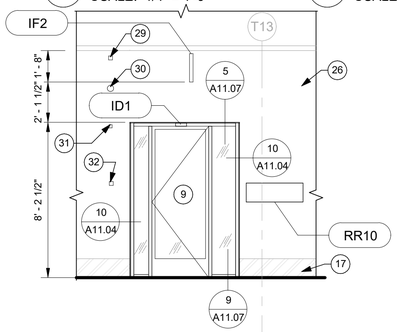

5 T2TS40 EXTERIOR ENTRY
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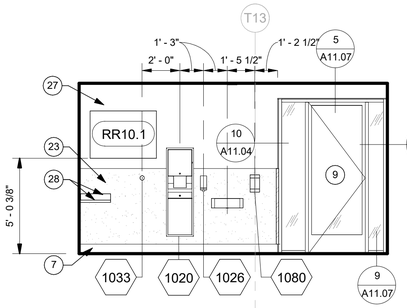

6 T2TS40 - N
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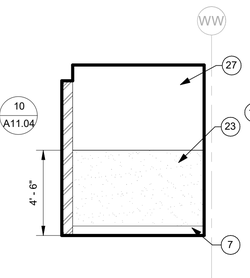

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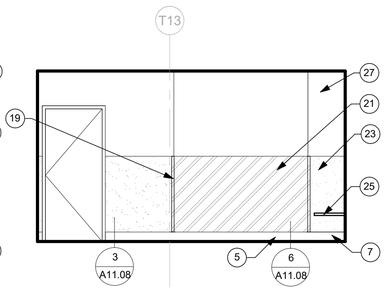

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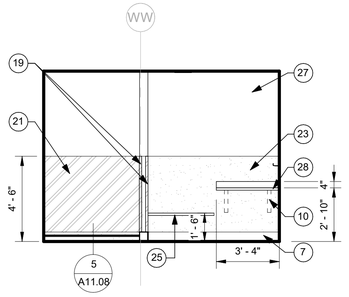

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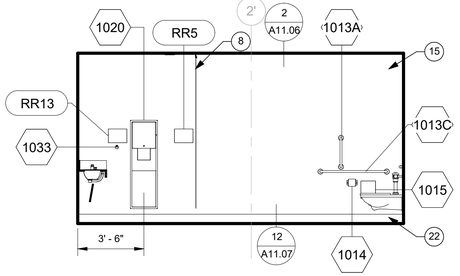
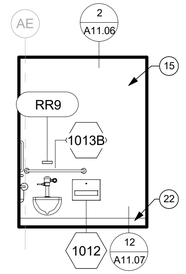
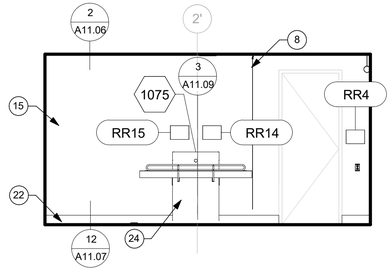


NOTE: FOR RESTROOM T2TQ48 ALL ELEVATIONS ARE MIRRORED.



NOTE: FOR RESTROOM T2TQ48 ALL ELEVATIONS ARE MIRRORED.



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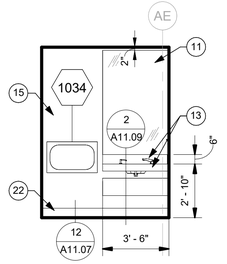

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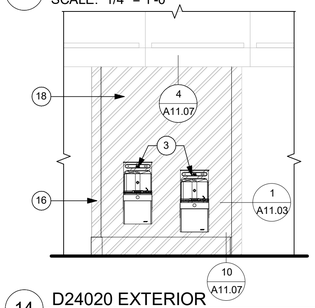
SCALE: 1/4" = 1'-0"



11 T2TC66/T2TQ66 - E, T2TD44/T2TQ48 - W
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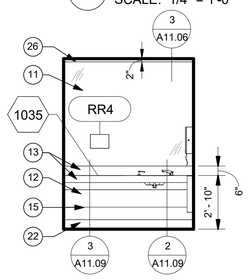

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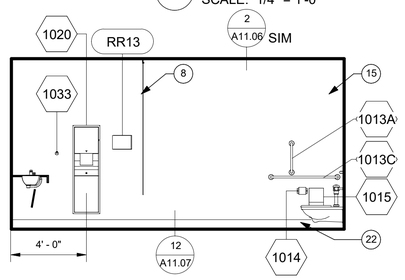
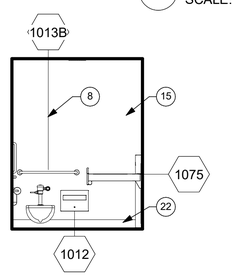
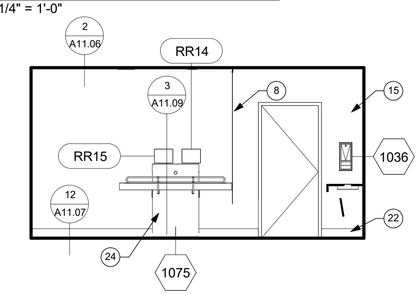


13 T2TC66/T2TQ66 - W, T2TD44/T2TQ48 - E
SCALE: 1/4" = 1'-0"





14 D24020 EXTERIOR
SCALE: 1/4" = 1'-0"

15 D24020 - N
SCALE: 1/4" = 1'-0"

16 D24020 - E
SCALE: 1/4" = 1'-0"

17 D24020 - S
SCALE: 1/4" = 1'-0"

18 D24020 - W
SCALE: 1/4" = 1'-0"

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KEYNOTES

1 (E) COLUMN COVER TO REMAIN
2 (E) GYPSUM SOFFIT AND METAL STUD FRAMING TO REMAIN
3 (E) WATER FOUNTAINS REINSTALLED IN (N) LOCATION
4 (N) SIGNAGE
5 6" CONCRETE CURB, TYP (4) SIDES
6 CENTER SEAM ON WALL
7 COVE BASE, RSF3
8 CURTAIN TRACK WITH CUBICLE CURTAIN
9 IG1 INTERIOR GLAZING SYSTEM, GL20
10 IN-WALL CONCEALED SUPPORT BRACKETS
11 MIRROR, MI1
12 SOLID SURFACE APRON AND CASEWORK, SSM2
13 SOLID SURFACE COUNTERTOP AND BACKSPLASH, SSM1
14 SOLID SURFACE LEDGE W/ BUILT-UP RAIL, SSM7
15 SOLID SURFACE WALL PANELS, SSM7
16 SS WAINSCOT, DM3
17 (E) WALL BASE TO REMAIN
18 SS WALL PANEL, DM3
19 STAINLESS STEEL CORNER GUARD CUT TO HEIGHT BETWEEN RESILIENT SHEET EDGE TRIM, CG-1
20 STAINLESS STEEL PLATE, DM(1). BUTT EDGES OF MIRROR UP TO EDGES OF PLATE AND PROVIDE CONTINUOUS CEILING JOINT
21 STAINLESS STEEL WAINSCOT, DM3
22 TERRAZZO WALL BASE, TZR4
23 WAINSCOT, RSF4
24 WALL FINISH CONTINUES BEHIND CHANGING TABLE UNIT
25 WALL MOUNTED STAINLESS STEEL BENCH, REFER TO STRUCTURAL FOR MOUNTING REQUIREMENTS
26 WALL PAINT, P1
27 WALL PAINT, P5
28 SS COUNTER WITH BACK AND END SPLASH
29 (E) WAP TO REMAIN
30 (E) CAMERA TO REMAIN
31 (E) LOCAL ALARM TO REMAIN
32 (E) THERMOSTAT TO REMAIN

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

INTERIOR ELEVATIONS 1

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	30
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A7.00

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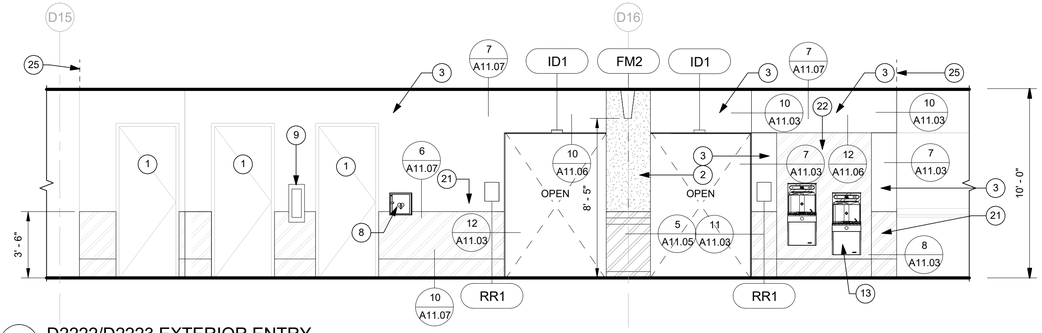
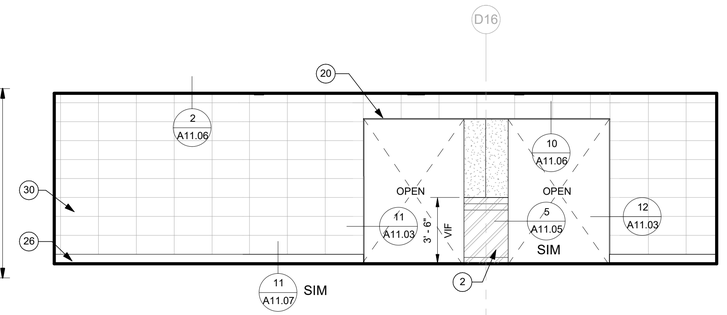


1 D2222/D2223 EXTERIOR ENTRY
SCALE: 1/4" = 1'-0"



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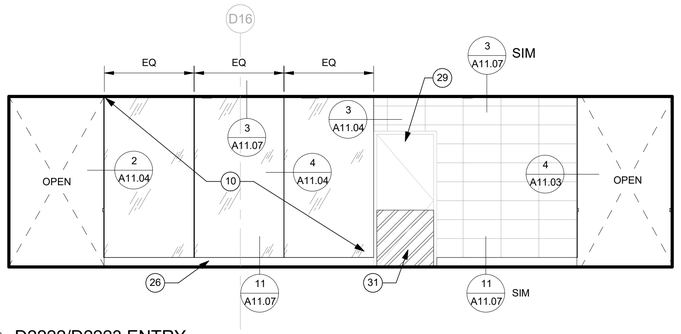

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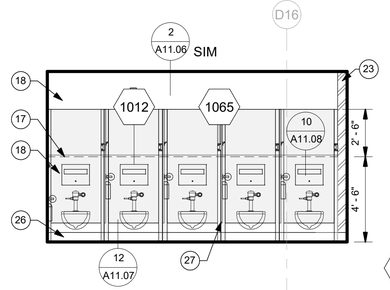

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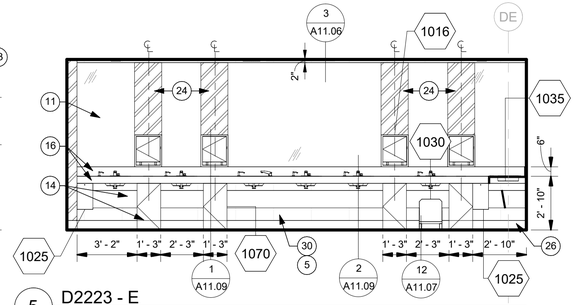

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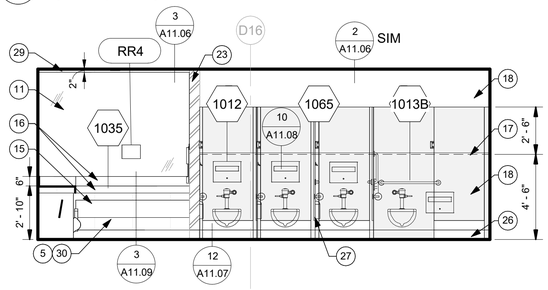
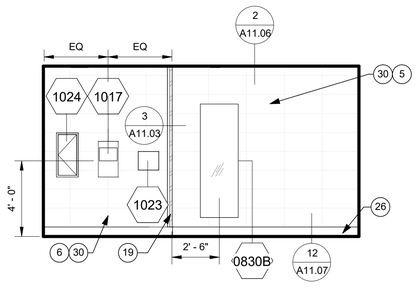


6 D2223 - S
SCALE: 1/4" = 1'-0"



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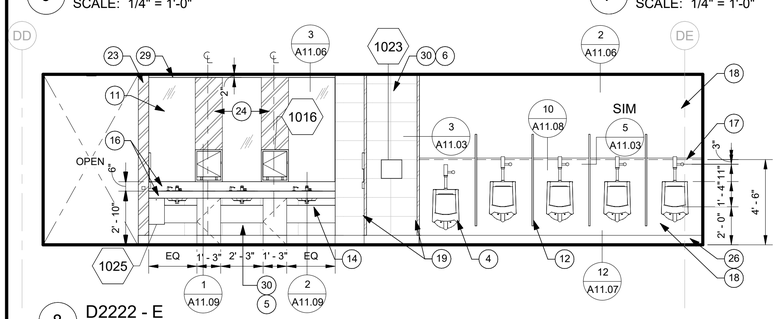

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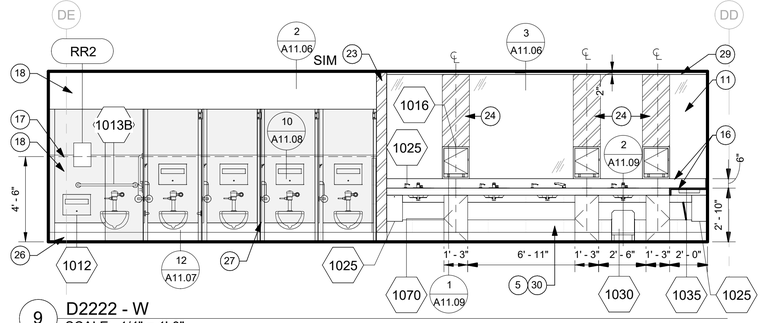
SCALE: 1/4" = 1'-0"



9 D2222 - W
SCALE: 1/4" = 1'-0"

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9. REFERENCE SPECIFICATION DIVISIONS 1 AND 2 FOR ADDITIONAL REQUIREMENTS.
10. REFERENCE SHEET A11.00 FOR TYPICAL PARTITION TYPES AND METAL STUD FRAMING INFO.
11. REFERENCE SHEET A10.00 FOR FINISH AND DOOR / FRAME SCHEDULE
12. REFERENCE STRUCTURAL FOR SLAB INFILL DETAILS AT (N) FLOOR DRAINS.
13. REPAIR AND REPLACE EXISTING FLOOR, ROOF AND WALL FIREPROOFING AT ALL NEW WALL AND CEILING CONNECTIONS.
14. REFERENCE A8 SHEET SERIES FOR FINISH PLANS SHOWING FLOOR AND WALL FINISHES.

KEYNOTES

1 (E) DOOR TO REMAIN
2 (N) COLUMN COVER TO MATCH EXISTING
3 (N) PAINTED GYP BD
4 ADA URINAL
5 CENTER FULL TILE ON WALL
6 CENTER GROUT LINE ON WALL
8 DEFIBRILLATOR CABINET
9 FEC
10 LAMINATED MONOLITHIC GLASS WITH CUSTOM PRINTED BACK LAYER, GL29A
11 MIRROR, MI1
12 URINAL SCREEN, TC2
13 REMOVE AND REINSTALL (E) WATER FOUNTAINS
14 SOLID SURFACE APRON AND CASEWORK, SSM2
15 SOLID SURFACE APRON, SSM2
16 SOLID SURFACE COUNTERTOP AND BACKSPLASH, SSM1
17 SOLID SURFACE LEDGE W/ BUILT-UP RAIL, SSM7
18 SOLID SURFACE WALL PANELS, SSM7
19 SS CORNER GUARD, CG1
20 SS PLATE AT JAMBS AND ACROSS HEAD OF OPENING, DM1
21 SS WAINSCOT, DM3
22 SS WALL PANEL, DM3
23 STAINLESS STEEL PLATE, DM1
24 STAINLESS STEEL PLATE, DM1. BUTT EDGES OF MIRROR UP TO EDGES OF PLATE AND PROVIDE CONTINUOUS CEILING JOINT
24 STAINLESS STEEL PLATE, DM(1). BUTT EDGES OF MIRROR UP TO EDGES OF PLATE AND PROVIDE CONTINUOUS CEILING JOINT
25 START OF WORK LINE
26 TERRAZZO WALL BASE, TZR4
27 TOILET COMPARTMENT, TC2
29 WALL PAINT, P1
30 WALL TILE, T1
31 SS KICK PLATE

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

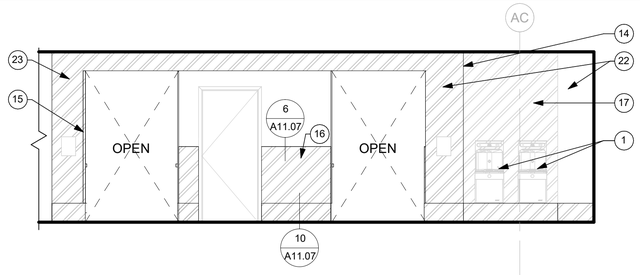
TERMINAL RESTROOM REHABILITATION 2026

INTERIOR ELEVATIONS 2

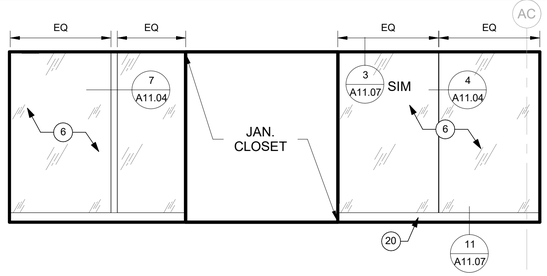
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	31
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A7.01

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

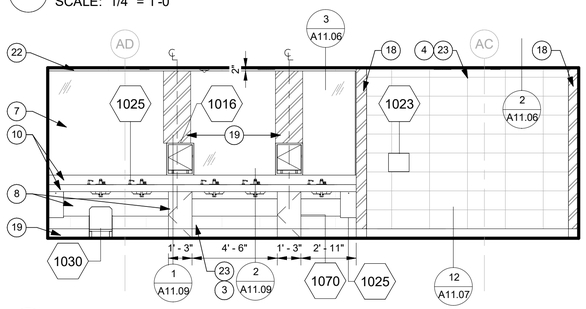
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



1 T1TE04/T1TE06 EXTERIOR ENTRY
SCALE: 1/4" = 1'-0"



2 T1TE04/T1TE06 ENTRY
SCALE: 1/4" = 1'-0"



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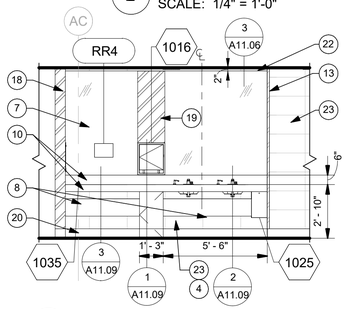
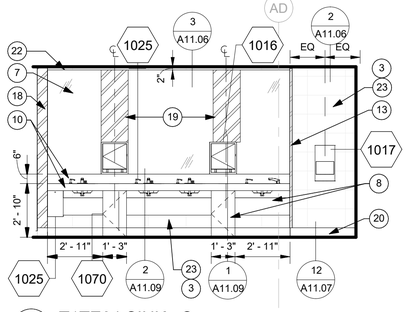
SCALE: 1/4" = 1'-0"



4 T1TE04 - N
SCALE: 1/4" = 1'-0"



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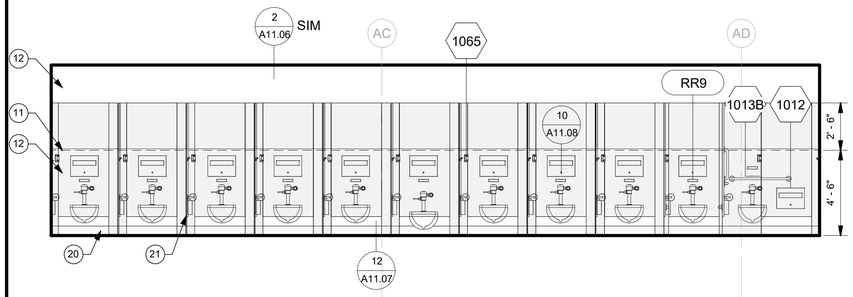
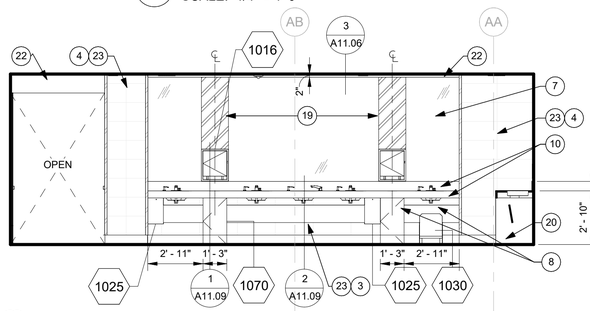
SCALE: 1/4" = 1'-0"



6 T1TE04 - S
SCALE: 1/4" = 1'-0"



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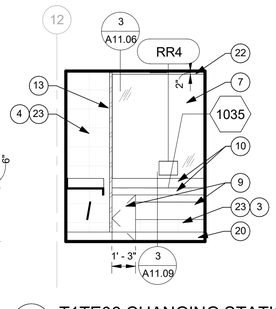
SCALE: 1/4" = 1'-0"



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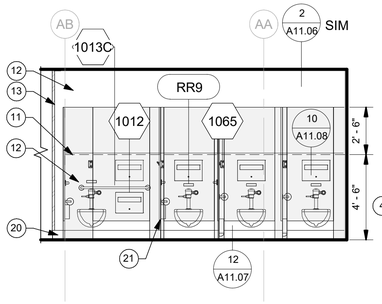
SCALE: 1/4" = 1'-0"



9 T1TE06 - N
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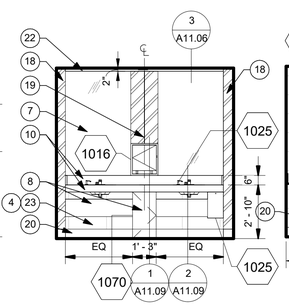

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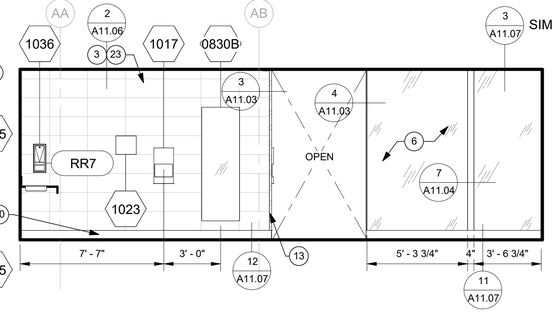
SCALE: 1/4" = 1'-0"



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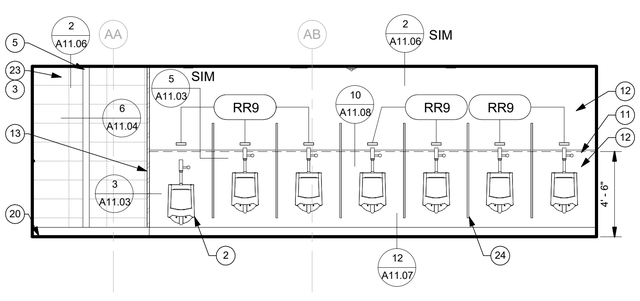
SCALE: 1/4" = 1'-0"



12 T1TE06 - S
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KEYNOTES

1 (E) WATER FOUNTAINS
2 ADA URINAL
3 CENTER FULL TILE ON WALL
4 CENTER GROUT LINE ON WALL
5 EXPANSION JOINT COVER
6 LAMINATED MONOLITHIC GLASS WITH CUSTOM PRINTED BACK LAYER, GL29C
7 MIRROR, MI1
8 SOLID SURFACE APRON AND CASEWORK, SSM2
9 SOLID SURFACE APRON, SSM2
10 SOLID SURFACE COUNTERTOP AND BACKSPLASH, SSM1
11 SOLID SURFACE LEDGE W/ BUILT-UP RAIL, SSM7
12 SOLID SURFACE WALL PANELS, SSM7
13 SS CORNER GUARD, CG1
14 SS CORNER GUARD, CG1, 4'-0" H ABOVE WAINSCOT
15 SS CORNER GUARD, CG1, 7'-0" H ABOVE WALL BASE
16 SS WAINSCOT, DM3
17 SS WALL PANEL, DM3
18 STAINLESS STEEL PLATE, DM1
19 STAINLESS STEEL PLATE, DM(1). BUTT EDGES OF MIRROR UP TO EDGES OF PLATE AND PROVIDE CONTINUOUS CEILING JOINT
19 TERRAZZO WALL BASE, TZR4
20 TERRAZZO WALL BASE, TZR4
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22 WALL PAINT, P1
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0 1/4" 1/2" 1" 2"

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

INTERIOR ELEVATIONS 3

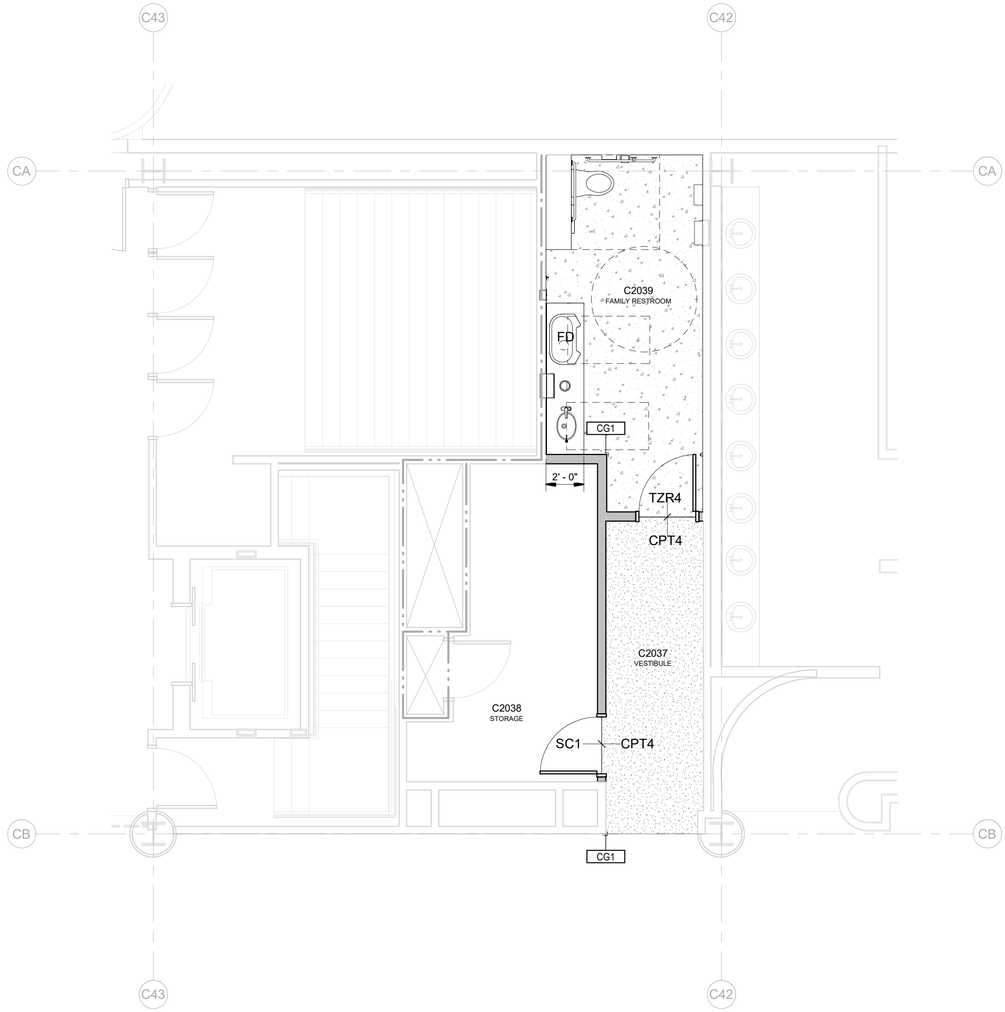
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	32
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A7.02

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

light gray
dark gray
black

0' 2' 4' 8' 12'

SCALE: IN FEET



1 CONCOURSE C - SECTOR 5 - C2039 - ENPLANING - FINISH PLAN
SCALE: 1/4" = 1'-0"

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FINISH LEGEND			
ACP#	ACOUSTIC CEILING PANEL	P#E	EPOXY PAINT
AMC#	ACOUSTIC METAL CEILING	RB#	RUBBER BASE
CPT#	CARPET	RFS#	RESILIENT FLOORING SHEET
GL#	GLASS	SC#	SEALED CONCRETE
GWB#	GYPSUM WALL BOARD	SSB#	STAINLESS STEEL
LWC#	LINEAR WOOD CEILING	SSM#	SOLID SURFACE MATERIAL
MI#	MIRROR	TZR#	TERRAZZO
P#	PAINT	DM#	DECORATIVE METAL

LEGEND

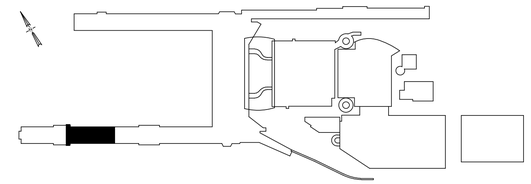
(E) 2-HOUR RATED WALL

(E) 1-HOUR RATED WALL

(N) FULL HEIGHT WALL WITH FINISH PER SCHEDULE, SEE PARTITION TYPES

(E) WALL WITH FINISH PER SCHEDULE, SEE PARTITION TYPES

KEY PLAN



NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE C - SECTOR 5 - C2039 - ENPLANING - FINISH PLAN

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	33
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A8.00

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

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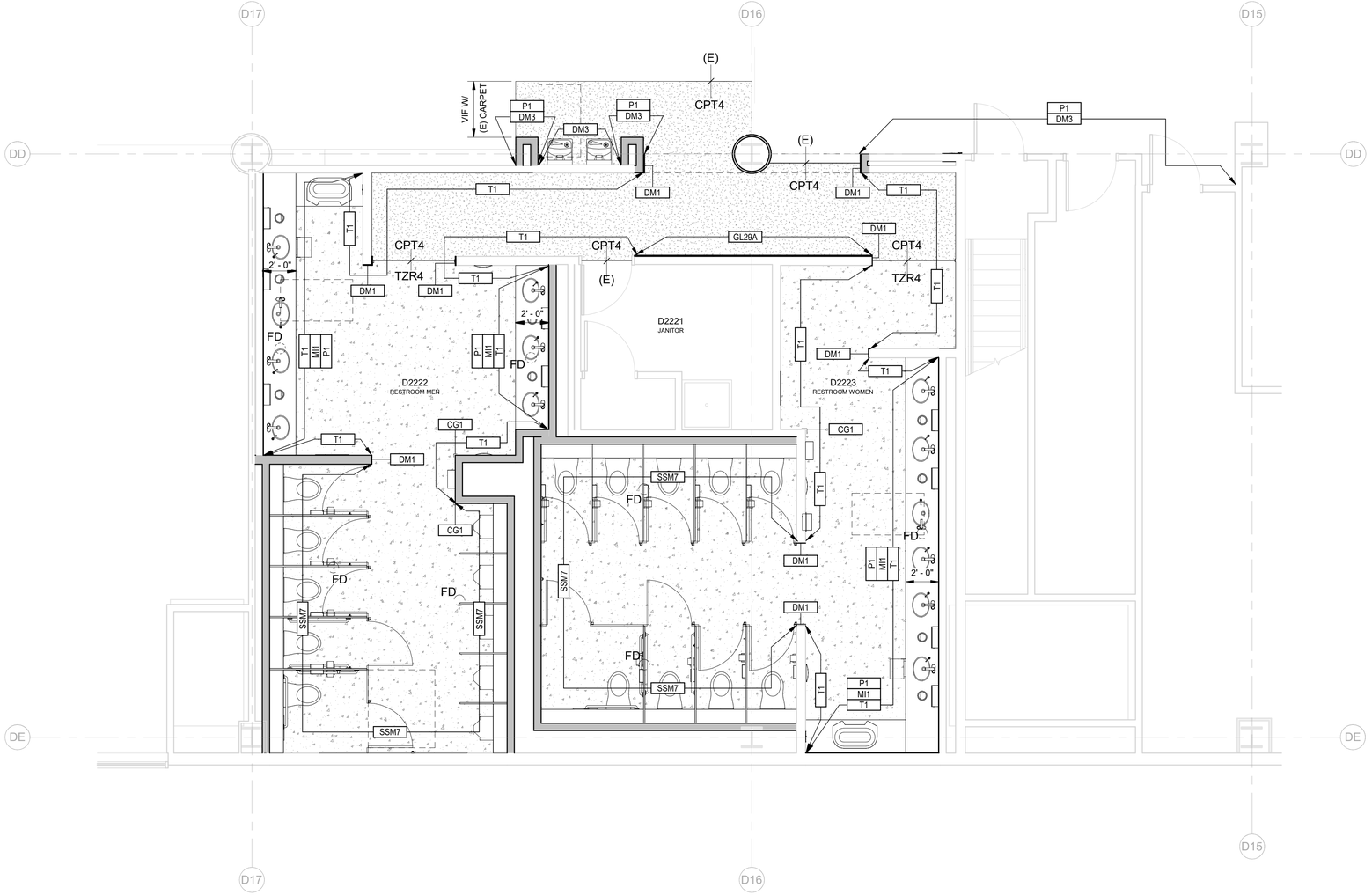
0' 2' 4' 8' 12'

SCALE: IN FEET



1 CONCOURSE D - SECTOR 2 - D2221, D2222, D2223 - ENPLANING - FINISH PLAN
SCALE: 1/4" = 1'-0"

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AMC#	ACOUSTIC METAL CEILING	RB#	RUBBER BASE
CPT#	CARPET	RFS#	RESILIENT FLOORING SHEET
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LWC#	LINEAR WOOD CEILING	SSM#	SOLID SURFACE MATERIAL
MI#	MIRROR	TZR#	TERRAZZO
P#	PAINT	DM#	DECORATIVE METAL

LEGEND

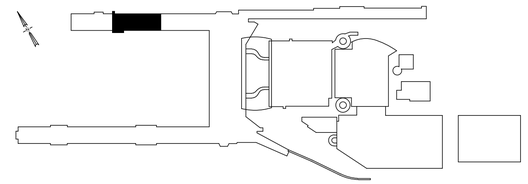
(E) 2-HOUR RATED WALL

(E) 1-HOUR RATED WALL

(N) FULL HEIGHT WALL WITH FINISH PER SCHEDULE, SEE PARTITION TYPES

(E) WALL WITH FINISH PER SCHEDULE, SEE PARTITION TYPES

KEY PLAN



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Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE D - SECTOR 2 - D2221, D2222, D2223 - ENPLANING - FINISH PLAN

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	34
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A8.01

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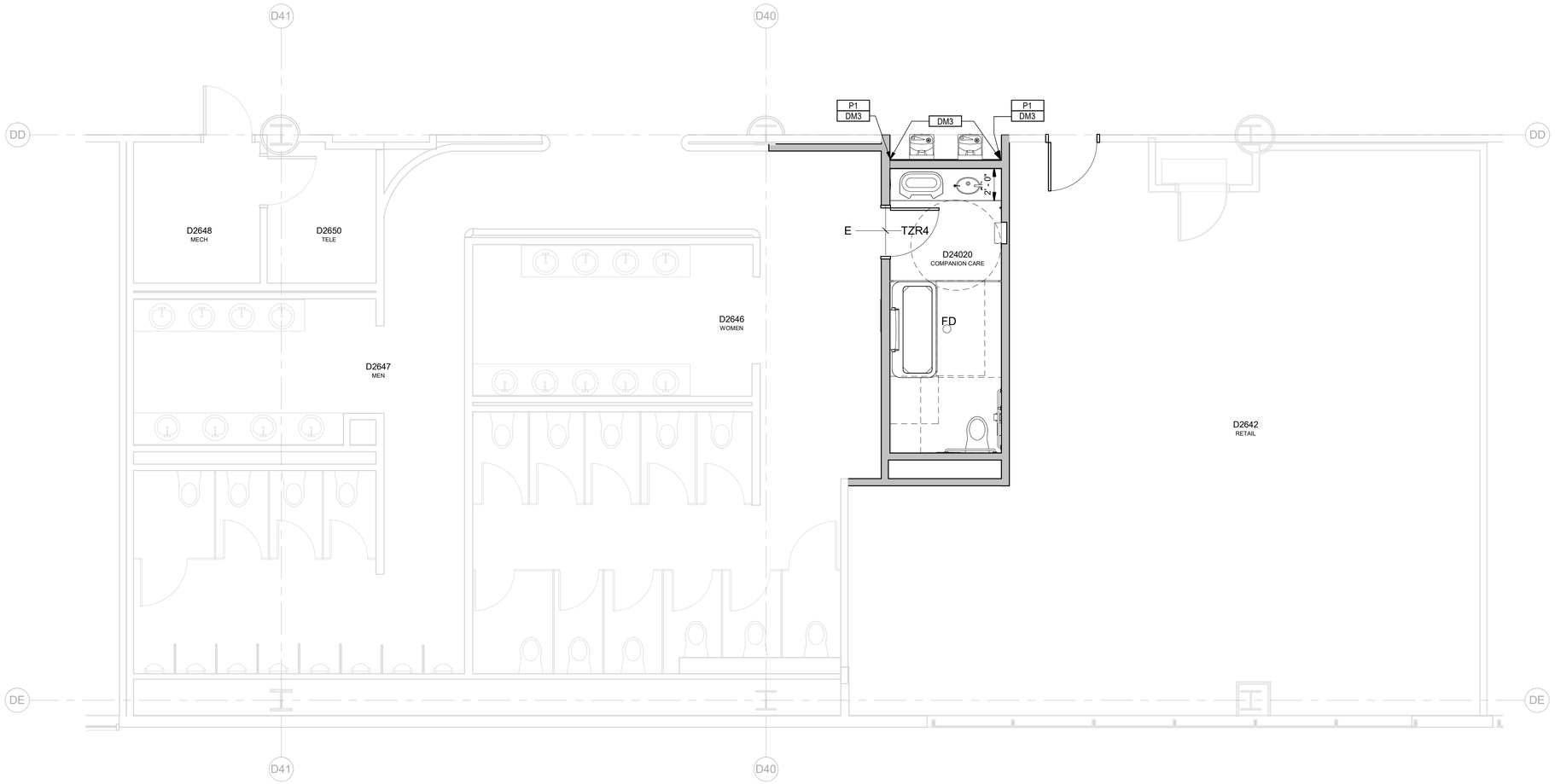
0' 2' 4' 8' 12'

SCALE: IN FEET



1 CONCOURSE D - SECTOR 3 - D24020 - ENPLANING - FINISH PLAN
SCALE: 1/4" = 1'-0"

NOTES

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5. COORDINATE STORAGE OF FURNISHINGS, EQUIPMENT AND OTHER FIXTURES W/ PORT.
6. COORDINATE W/ PORT WASTE MINIMIZATION TEAM FOR RECYCLING, RE-PURPOSING, OR DISPOSAL OF DEMOLISHED ITEMS AND CONSTRUCTION WASTE.
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8. AREAS BEYOND LINE OF WORK MAY BE INCLUDED TO FACILITATE CONSTRUCTION AND PROJECT COMPLETION.
9. REFERENCE SPECIFICATION DIVISIONS 1 AND 2 FOR ADDITIONAL REQUIREMENTS.
10. REFERENCE SHEET A11.00 FOR TYPICAL PARTITION TYPES AND METAL STUD FRAMING INFO.
11. REFERENCE SHEET A10.00 FOR FINISH AND DOOR / FRAME SCHEDULE
12. REFERENCE STRUCTURAL FOR SLAB INFILL DETAILS AT (N) FLOOR DRAINS.
13. REPAIR AND REPLACE EXISTING FLOOR, ROOF AND WALL FIREPROOFING AT ALL NEW WALL AND CEILING CONNECTIONS.
14. REFERENCE A8 SHEET SERIES FOR FINISH PLANS SHOWING FLOOR AND WALL FINISHES.

FINISH LEGEND			
ACP#	ACOUSTIC CEILING PANEL	P#E	EPOXY PAINT
AMC#	ACOUSTIC METAL CEILING	RB#	RUBBER BASE
CPT#	CARPET	RFS#	RESILIENT FLOORING SHEET
GL#	GLASS	SC#	SEALED CONCRETE
GWB#	GYPSUM WALL BOARD	SSB#	STAINLESS STEEL
LWC#	LINEAR WOOD CEILING	SSM#	SOLID SURFACE MATERIAL
MI#	MIRROR	TZR#	TERRAZZO
P#	PAINT	DM#	DECORATIVE METAL

LEGEND

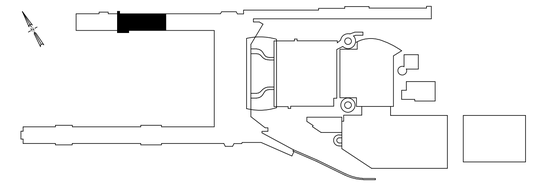
(E) 2-HOUR RATED WALL

(E) 1-HOUR RATED WALL

(N) FULL HEIGHT WALL WITH FINISH PER SCHEDULE, SEE PARTITION TYPES

(E) WALL WITH FINISH PER SCHEDULE, SEE PARTITION TYPES

KEY PLAN



NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE D - SECTOR 3 - D24020 - ENPLANING - FINISH PLAN

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	35
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A8.02

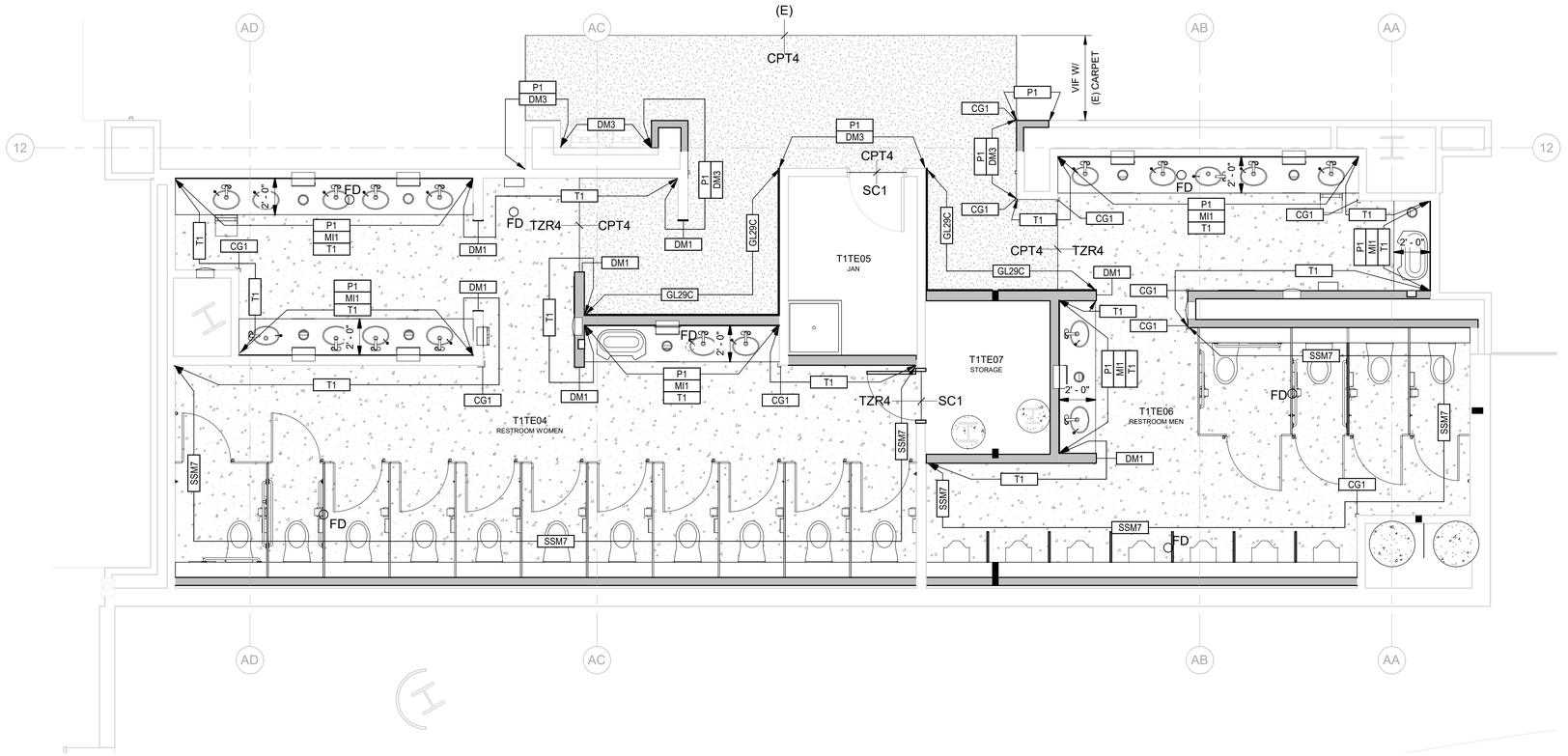
DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".
GRAPHIC SCALE-FOR REFERENCE ONLY
0 1/4" 1/2" 1" 2"

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.

light gray
dark gray
black

0' 2' 4' 8' 12'

SCALE: IN FEET



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

NOTES

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11. REFERENCE SHEET A10.00 FOR FINISH AND DOOR / FRAME SCHEDULE
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13. REPAIR AND REPLACE EXISTING FLOOR, ROOF AND WALL FIREPROOFING AT ALL NEW WALL AND CEILING CONNECTIONS.
14. REFERENCE A8 SHEET SERIES FOR FINISH PLANS SHOWING FLOOR AND WALL FINISHES.

FINISH LEGEND			
ACP#	ACOUSTIC CEILING PANEL	P#E	EPOXY PAINT
AMC#	ACOUSTIC METAL CEILING	RB#	RUBBER BASE
CPT#	CARPET	RFS#	RESILIENT FLOORING SHEET
GL#	GLASS	SC#	SEALED CONCRETE
GWB#	GYPSUM WALL BOARD	SSB#	STAINLESS STEEL
LWC#	LINEAR WOOD CEILING	SSM#	SOLID SURFACE MATERIAL
MI#	MIRROR	TZR#	TERRAZZO
P#	PAINT	DM#	DECORATIVE METAL

LEGEND

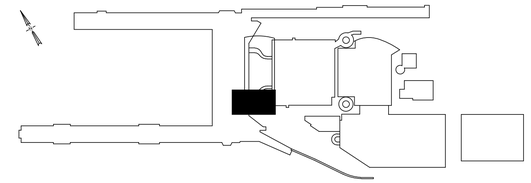
(E) 2-HOUR RATED WALL

(E) 1-HOUR RATED WALL

(N) FULL HEIGHT WALL WITH FINISH PER SCHEDULE, SEE PARTITION TYPES

(E) WALL WITH FINISH PER SCHEDULE, SEE PARTITION TYPES

KEY PLAN



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NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

TERMINAL - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - DEPLANING - FINISH PLAN

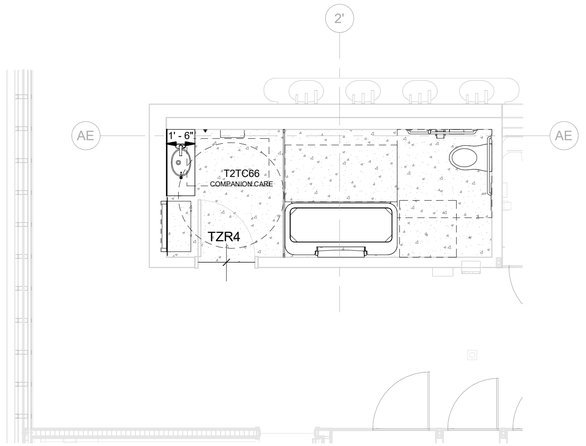
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	36
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A8.03

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

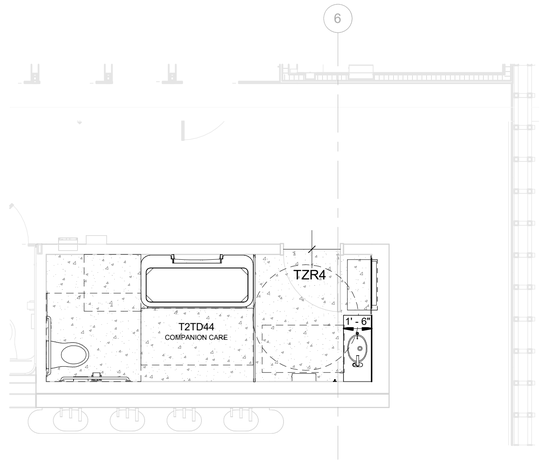
light gray
dark gray
black

0' 2' 4' 8' 12'

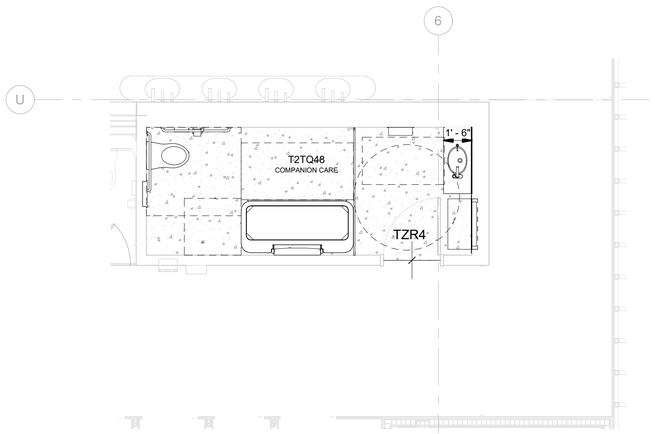
SCALE: IN FEET



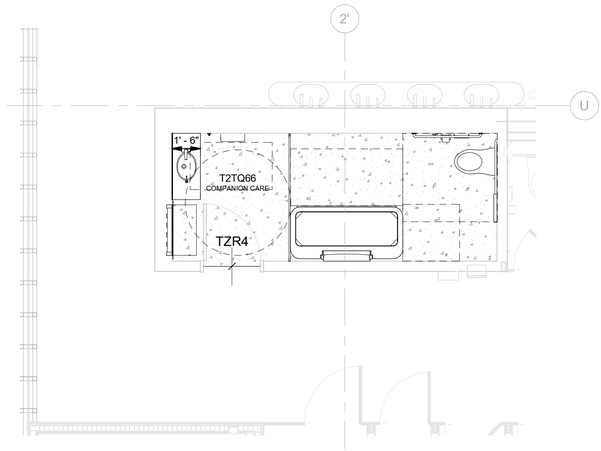
1 TERMINAL - SECTOR W5 - T2TC66 - ENPLANING - FINISH PLAN
SCALE: 1/4" = 1'-0"



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



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



4 TERMINAL - SECTOR 2 - T2TQ66 - ENPLANING - FINISH PLAN
SCALE: 1/4" = 1'-0"

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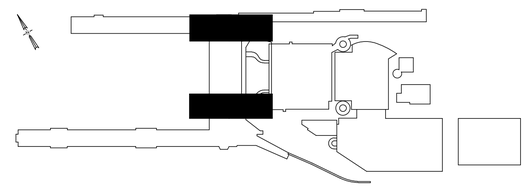

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

TERMINAL - SECTOR W5, SECTOR E5, SECTOR E2, SECTOR W - T2TC66, T2TD44, T2TQ48, T2TQ66 - ENPLANING - FINISH PLAN

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	37
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A8.04

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

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

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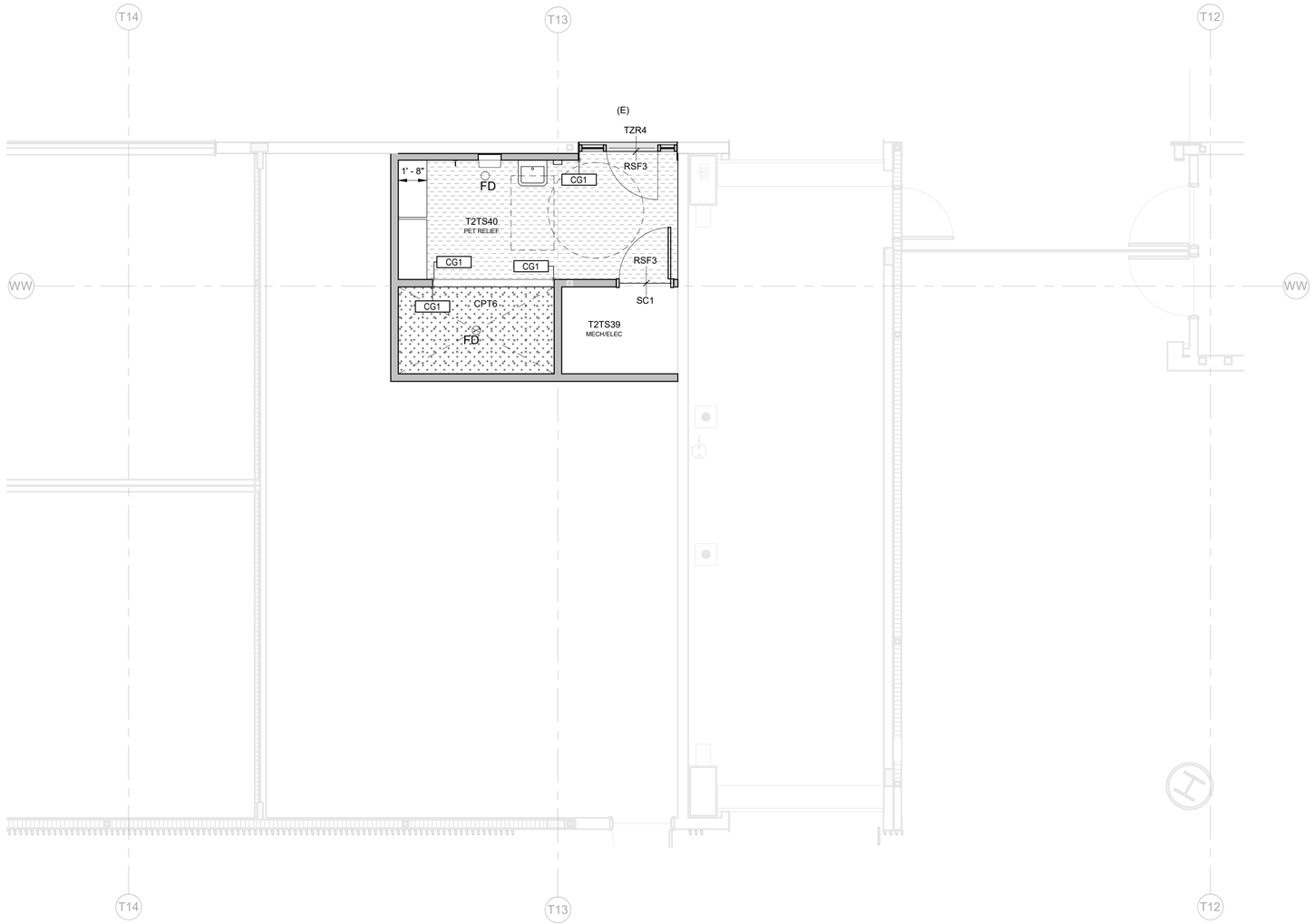

1 TERMINAL - SECTOR E1 - T2TS40 - ENPLANING - FINISH PLAN
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AMC#	ACOUSTIC METAL CEILING	RB#	RUBBER BASE
CPT#	CARPET	RFS#	RESILIENT FLOORING SHEET
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P#	PAINT	DM#	DECORATIVE METAL

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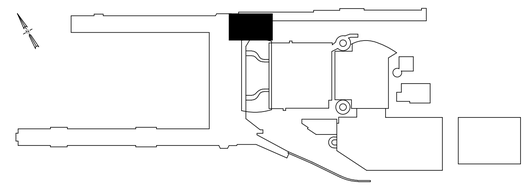
KEY PLAN



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NO.	DATE	BY	REVISIONS	APP

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Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

TERMINAL - SECTOR E1 - T2TS40 - ENPLANING - FINISH PLAN

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	38 TYPE CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A8.05

7/17/2026 11:12:25 AM Autodesk Docs://PDX CCD West and South Bag Claim Restroom Rehabilitation/202322.03 PDX Restrooms and Pet Relief.rvt

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

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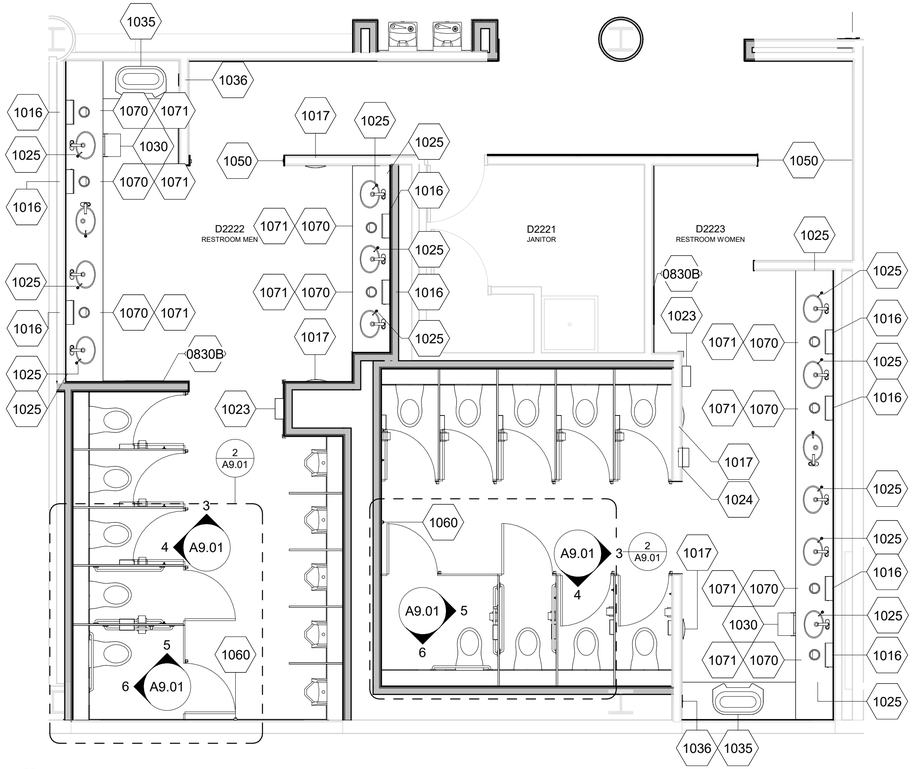
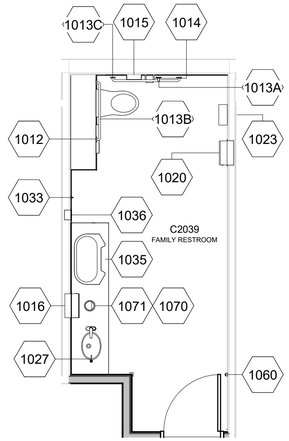
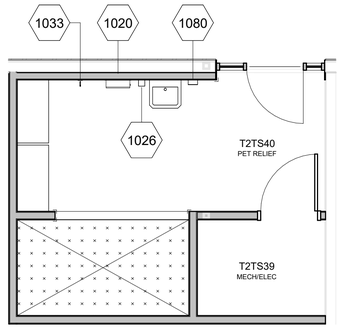
light gray | dark gray | black



1 D2221, D2222, D2223 - ACCESSORY
SCALE: 1/4" = 1'-0"



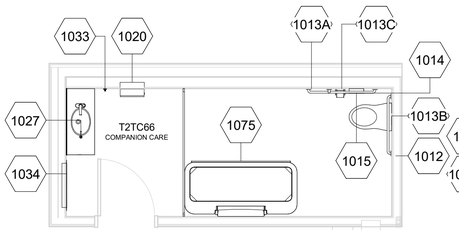
2 C2039 - ACCESSORY
SCALE: 1/4" = 1'-0"



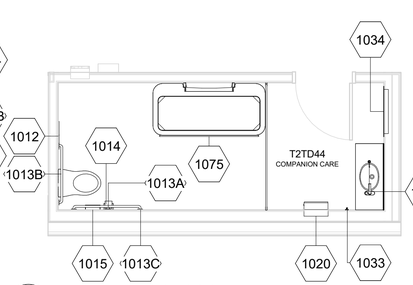
3 T2TS40 - ACCESSORY
SCALE: 1/4" = 1'-0"

NOTES

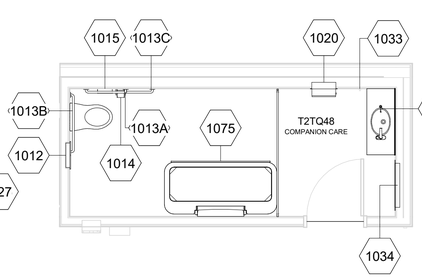
1. TOILET ACCESSORY TAGS: SEE SPECIFICATION SECTION FOR ADDITIONAL INFORMATION.
2. CENTER ACCESSORIES 1030, 1070, & 1071 WITH CENTERLINE OF SINK.
3. TOILET ACCESSORIES 1030 & 1070 LOCATED BELOW COUNTER.
4. TOILET ACCESSORY 1060 MOUNTING HEIGHT ALIGNS WITH MOUNTED HEIGHT OF TOILET PARTITION DOOR HANDLE.
5. REFER TO TYPICAL MOUNTING HEIGHTS.
6. CONTRACTOR TO COORDINATE ALL BACKING FOR WALL MOUNTED ACCESSORIES AS NEEDED.



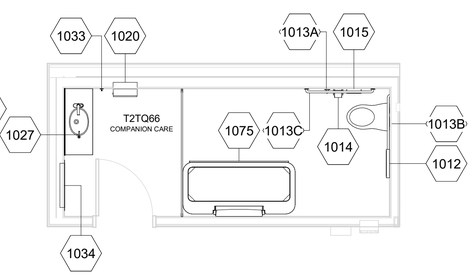
4 T2TC66 - ACCESSORY
SCALE: 1/4" = 1'-0"



5 T2TD44 - ACCESSORY
SCALE: 1/4" = 1'-0"



6 T2TQ48 - ACCESSORY
SCALE: 1/4" = 1'-0"



7 T2TQ66 - ACCESSORY
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Port of Portland

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DESIGN NUMBER	PROJECT NUMBER

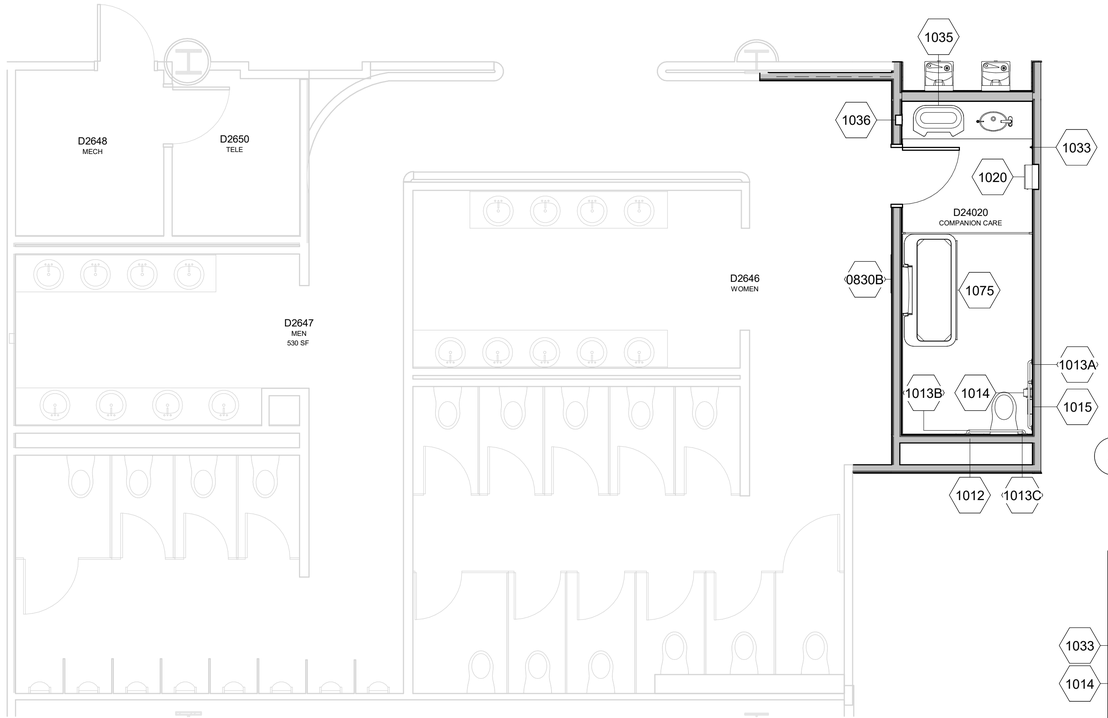
PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

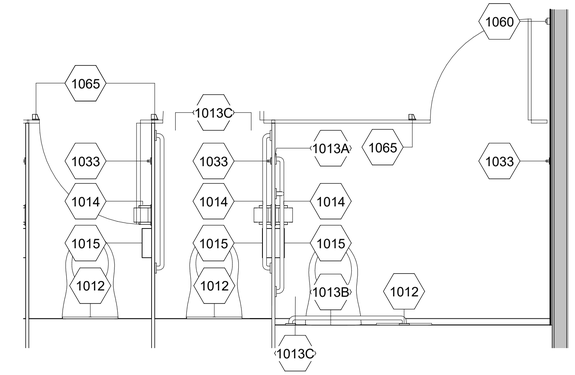
ACCESSORY PLANS 1

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	39
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A9.00

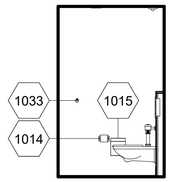
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



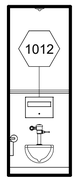
1 D24020 - ACCESSORY
SCALE: 1/4" = 1'-0"



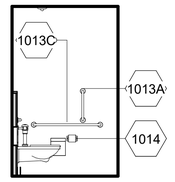
2 TYP. STALLS - ACCESSORY
SCALE: 1/2" = 1'-0"



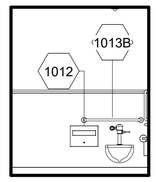
3 STALL SIDE
SCALE: 1/4" = 1'-0"



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



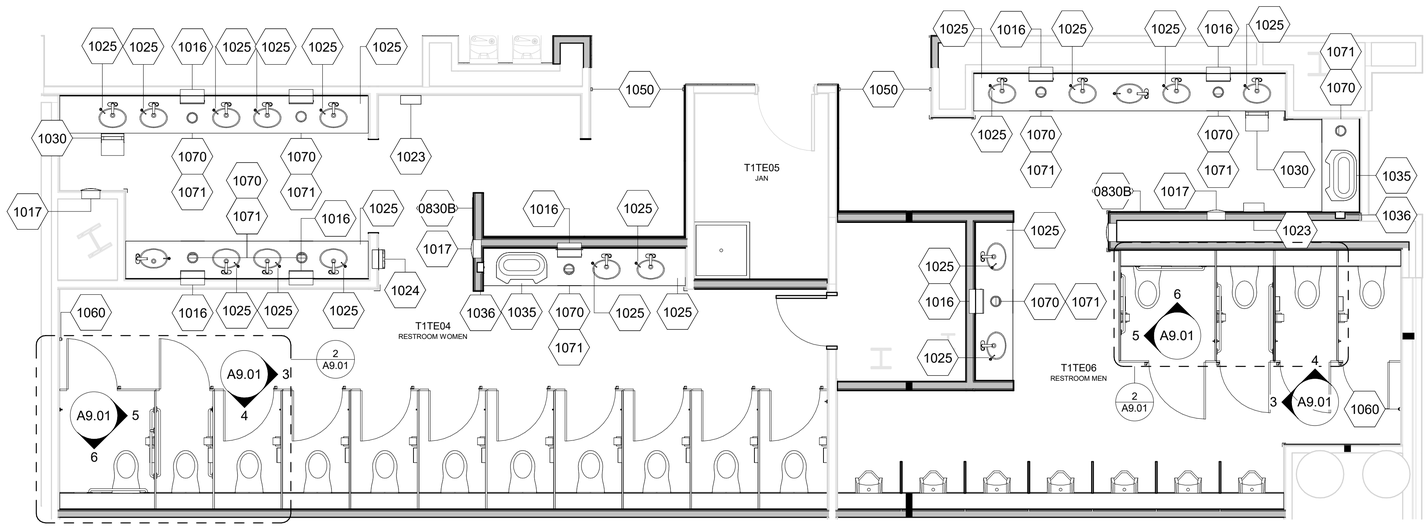
5 ADA STALL SIDE
SCALE: 1/4" = 1'-0"



6 ADA STALL BACK
SCALE: 1/4" = 1'-0"

NOTES

1. TOILET ACCESSORY TAGS: SEE SPECIFICATION SECTION FOR ADDITIONAL INFORMATION.
2. CENTER ACCESSORIES 1030, 1070, & 1071 WITH CENTERLINE OF SINK.
3. TOILET ACCESSORIES 1030 & 1070 LOCATED BELOW COUNTER.
4. TOILET ACCESSORY 1060 MOUNTING HEIGHT ALIGNS WITH MOUNTED HEIGHT OF TOILET PARTITION DOOR HANDLE.
5. REFER TO TYPICAL MOUNTING HEIGHTS.
6. CONTRACTOR TO COORDINATE ALL BACKING FOR WALL MOUNTED ACCESSORIES AS NEEDED.



7 T1TE04/T1TE06 - ACCESSORY
SCALE: 1/4" = 1'-0"

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

ACCESSORY PLANS 2

SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. COOK		
DRAWN BY	M. PHILLIPS		
CHECKED BY	J. ROOT		
DATE	JULY 2026		
SHEET NO.	40	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	A9.01

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

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

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

light gray

dark gray

black

ROOM FINISH SCHEDULE

ROOM NUMBER	NAME	FLOOR	BASE	WALLS				CEILING	CASEWORK	COUNTERTOP	NOTES
				NORTH	EAST	SOUTH	WEST				
C2037	VESTIBULE	CPT4	DM2 (4" H)	P1	P1	P1	P1	P1	-	-	
C2038	STORAGE	SC1	RB3	(E)	P1	(E)	(E)	EXPOSED	-	-	
C2039	FAMILY RESTROOM	TZR4	TZR4 COVE	SSM7	SSM7	SSM7	SSM7	AMC3	SSM2	SSM1	
D2222	RESTROOM MEN	TZR4, CPT4	TZR4 COVE	T1, SSM7, MI1, P1	T1, SSM7, MI1, P1	T1, SSM7	T1, SSM7, MI1, P1	LWC1, AMC3	SSM2	SSM1	SEE FINISH PLANS AND INTERIOR ELEVATIONS
D2223	RESTROOM WOMEN	TZR4, CPT4	TZR4 COVE	T1, SSM7	T1, SSM7, MI1, P1	T1, SSM7, MI1, P1	T1, SSM7	LWC1, AMC3	SSM2	SSM1	SEE FINISH PLANS AND INTERIOR ELEVATIONS
D24020	COMPANION CARE	TZR4	TZR4 COVE	SSM7	SSM7	SSM7	SSM7	AMC3	SSM2	SSM1	
T1TE04	RESTROOM WOMEN	TZR4, CPT4	TZR4 COVE	T1, SSM7, MI1, P1	SSM7, T1, GL29	T1, SSM7, MI1, P1, GL29C	SSM7, T1	AMC3	SSM2	SSM1	SEE FINISH PLANS AND INTERIOR ELEVATIONS
T1TE05	JAN	SC1	RB3	(E)	(E)	P1E	(E)	(E)	-	-	
T1TE06	RESTROOM MEN	TZR4, CPT4	TZR4 COVE	T1, SSM7, MI1, P1	T1, SSM7, MI1, P1	T1, SSM7, GL29C	T1, SSM7, MI1, P1, GL29C	AMC3	SSM2	SSM1	SEE FINISH PLANS AND INTERIOR ELEVATIONS
T1TE07	STORAGE	SC1	RB3	P1	P1	P1	(E)	EXPOSED	-	-	
T2TC66	COMPANION CARE	TZR4	TZR4 COVE	SSM7	SSM7	SSM7	SSM7	AMC3	-	SSM1	
T2TD44	COMPANION CARE	TZR4	TZR4 COVE	SSM7	SSM7	SSM7	SSM7	AMC3	-	SSM1	
T2TQ48	COMPANION CARE	TZR4	TZR4 COVE	SSM7	SSM7	SSM7	SSM7	AMC3	-	SSM1	
T2TQ66	COMPANION CARE	TZR4	TZR4 COVE	SSM7	SSM7	SSM7	SSM7	AMC3	-	SSM1	
T2TS39	MECH/ELEC	SC1	RB3	P1	P1	P1	P1	EXPOSED	-	-	
T2TS40	PET RELIEF	RSF3, CPT6	RSF3 COVE	RSF4, P5E	RSF4, P5E	RSF4, P5E	RSF4, P5E	APC2	-	SS	

NOTES:

1. PATCH (E) CARPET. RESTORE TO ORIGINAL CONDITION
2. PATCH, REPAIR AND PAINT NEW AND (E) WALLS AS NECESSARY TO PROVIDE CLEAN, UNIFORM FINISH

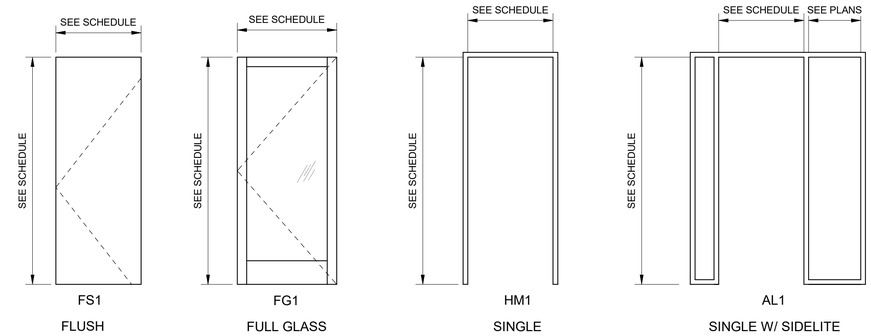
FINISH LEGEND	
ACP#	ACOUSTIC CEILING PANEL
AMC#	ACOUSTIC METAL CEILING
CPT#	CARPET
GL#	GLASS
GWB#	GYPSUM WALL BOARD
LWC#	LINEAR WOOD CEILING
MI#	MIRROR
P#	PAINT
P#E	EPOXY PAINT
RB#	RUBBER BASE
RFS#	RESILIENT FLOORING SHEET
SC#	SEALED CONCRETE
SSB#	STAINLESS STEEL
SSM#	SOLID SURFACE MATERIAL
TZR#	TERRAZZO
DM#	DECORATIVE METAL

DOOR AND FRAME SCHEDULE

OPENING	TYPE		MATERIAL		W	H	T	HEAD	JAMB	SILL	HW SET	RATED	GLASS	NOTES
	FRAME	DOOR	FRAME	DOOR										
C2038	HM1	FS1	HM	HM	3'-0"	8'-0"	1 3/4"	4/A11.07	2/A11.03		050			1
C2039	HM1	FS1	HM	HM	3'-0"	7'-0"	1 3/4"	4/A11.07	2/A11.03		105			1
C2642	HM1	FS1	HM	HM	3'-0"	7'-0"	1 3/4"	4/A11.07	2/A11.03		050			1
T1TE07	HM1	FS1	HM	HM	3'-0"	7'-0"	1 3/4"	4/A11.07	2/A11.03		050			1
T2TS39	HM1	FS1	HM	HM	3'-0"	7'-0"	1 3/4"	4/A11.07	2/A11.03		039			1
T2TS40	AL1	FG1	AL	AL	3'-0"	8'-0"	1 3/4"	5/A11.06	12/A11.04		060		GL20	2

NOTES:

1. PAINT DOOR AND FRAME P-2
2. GLAZING



DOOR TYPE LEGEND
SCALE: 3/8" = 1'-0"

FRAME TYPE LEGEND
SCALE: 3/8" = 1'-0"

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

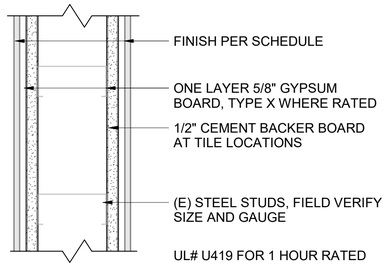
TERMINAL RESTROOM REHABILITATION 2026

SCHEDULES

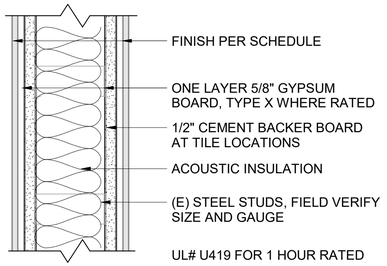
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	41
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A10.00

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.

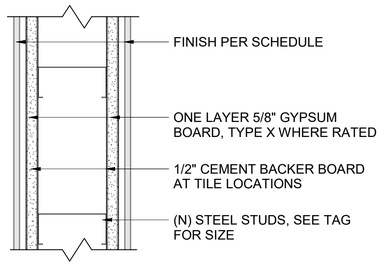
PARTITION TYPES



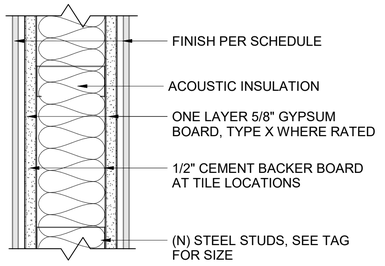
1 INTERIOR WALL TYPE A
SCALE: 3" = 1'-0"



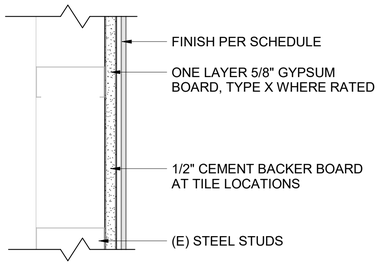
2 INTERIOR WALL TYPE AA
SCALE: 3" = 1'-0"



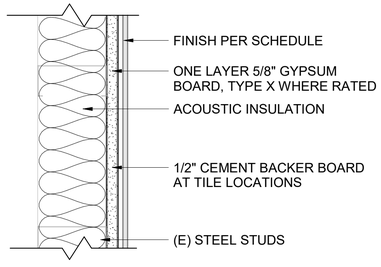
3 INTERIOR WALL TYPE B
SCALE: 3" = 1'-0"



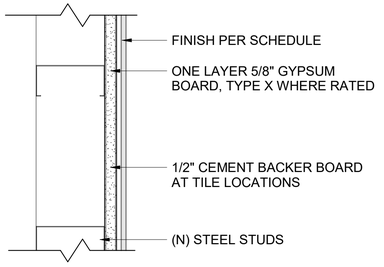
4 INTERIOR WALL TYPE BA
SCALE: 3" = 1'-0"



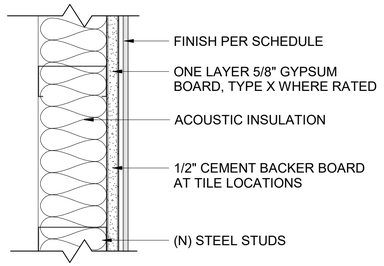
5 INTERIOR WALL TYPE C
SCALE: 3" = 1'-0"



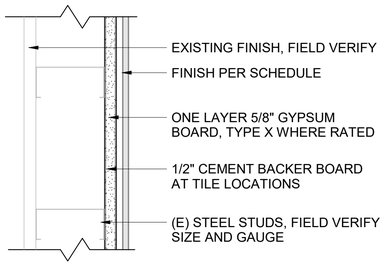
6 INTERIOR WALL TYPE CA
SCALE: 3" = 1'-0"



7 INTERIOR WALL TYPE D
SCALE: 3" = 1'-0"



8 INTERIOR WALL TYPE DA
SCALE: 3" = 1'-0"



9 INTERIOR WALL TYPE E
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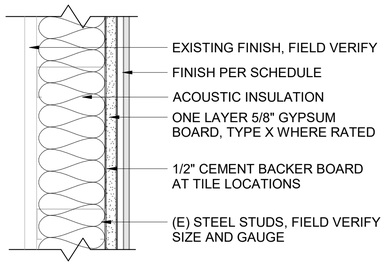
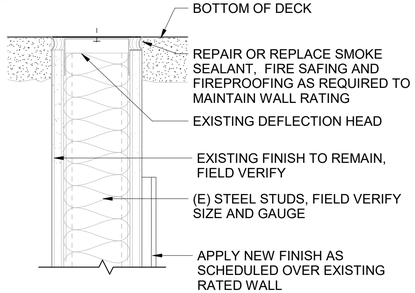
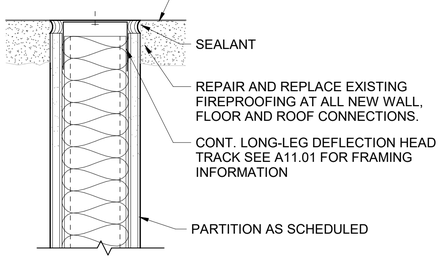


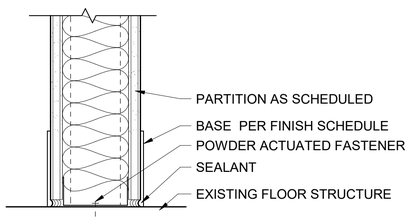
10 INTERIOR WALL TYPE EA
SCALE: 3" = 1'-0"



11 HEAD OF EXISTING RATED WALL
SCALE: 3" = 1'-0"



12 HEAD OF NON RATED WALL
SCALE: 3" = 1'-0"



16 WALL BASE - TYPICAL
SCALE: 3" = 1'-0"

NOTES

1. ALL PARTITIONS ARE NON LOAD BEARING UNLESS NOTED OTHERWISE. REFERENCE STRUCTURAL DRAWINGS FOR LOAD BEARING PARTITION ASSEMBLIES.
2. REPAIR AND REPLACE EXISTING FIREPROOFING AT ALL NEW WALL, FLOOR AND ROOF CONNECTIONS.
3. SEE FLOOR PLANS FOR LOCATIONS OF RATED PARTITIONS.
4. TYPICAL FRAMING SHALL BE 400S125-30 METAL STUDS @ 16" O.C. UNLESS NOTED OTHERWISE. BOTTOM TRACK TO BE 400T125-43 CONT. TRACK.
5. URINAL STUDS TO BE 600S125-30@ 16" O.C.
6. PROVIDE FULL THICKNESS SOUND INSULATION INSIDE ALL ACOUSTICAL PARTITIONS INCLUDING BEAMS, HEADERS AND JAMBS.
7. FIRE AND SMOKE RATED PARTITIONS SHALL EXTEND AND SEAL TO INSIDE FACE OF EXTERIOR SHEATHING, TOP OF SLAB AND BOTTOM OF DECK .
8. FIRE RESISTANT RATED PARTITIONS SHALL USE RATED FIRE SMOKE FIRE RESISTANT FILL MATERIAL IN CONJUNCTION WITH A RATED FIRE/ SMOKE FIRE STOPPING SYSTEM.
9. NON RATED PARTITIONS SHALL USE ACOUSTICAL SEALANT.
10. WHERE INDICATED, CLEAR DIMENSIONS ARE TO FACE OF PARTITION FINISH.
11. ALL DIMENSIONS ARE TO FACE OF PARTITION ASSEMBLY U.N.O. REFER TO PARTITION TYPES FOR WIDTH DIMENSIONS UNLESS INDICATED ON FLOOR PLAN.
12. REFERENCE SPECIFICATION DIVISIONS 1 AND 2 FOR ADDITIONAL REQUIREMENTS.
13. PROVIDE ACOUSTIC SEALANT AT PERIMETER AND ALL PENETRATIONS OF SOUND RATED PARTITIONS .
14. PROVIDE BACKING PLATES AT ALL TOILET ACCESSORIES AND WALL MOUNTED EQUIPMENT.
15. FIRE RESISTANT RATINGS ARE TO BE MAINTAINED IN ALL OPENINGS IN RATED PARTITIONS.
16. BOTTOM OF STRUCTURE IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE EXACT CONSTRUCTION CONDITIONS OR GEOMETRY.
17. PROVIDE TILE BACKER BOARD AT ALL LOCATIONS WITH TILE.
18. MEMBRANE PENETRATIONS INCLUDING ELECTRICAL BOXES, PIPING, EQUIPMENT, AND SUPPORTS, TO BE PROTECTED AND SIZED FOR ANNULAR FILL OF APPROVED PENETRATION FIRESTOPPING SYSTEM OF NOT LESS THAN FIRE-RESISTANCE RATING OF THE MEMBRANE PENETRATED. FOR SINGLE-SIDED PENETRATIONS BY EQUIPMENT, ENSURE MEMBRANE EXTENDS CONTINUOUSLY AROUND PENETRATING ITEM OR THE PENETRATING ITEM IS RATED FOR ANNULAR FIRESTOP ONLY.

WALL TYPES LEGEND

STUD SIZE DESIGNATION

NUMERIC CHARACTER	STUD WIDTH
2	2 1/2"
3	3 5/8"
4	4"
6	6"
8	8"

FIRE RATING/ PARTITION HEIGHT DESIGNATION

0 = NON- RATED,
EXTEND FRAMING AND GYPSUM BOARD TO UNDERSIDE OF STRUCTURE

1 = (1) HOUR FIRE RESISTANT SMOKE BARRIER
EXTEND FRAMING AND GYPSUM BOARD TO UNDERSIDE OF STRUCTURE

2 = (2) HOUR FIRE RESISTANT SMOKE BARRIER
EXTEND FRAMING AND GYPSUM BOARD TO UNDERSIDE OF STRUCTURE

S = SMOKE PARTITION
EXTEND FRAMING AND GYPSUM BOARD TO UNDERSIDE OF STRUCTURE

T = PARTIAL HEIGHT PARTITION, SEE WALL SECTIONS AND INTERIOR ELEVATIONS FOR HEIGHT

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D0031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

DETAILS - PARTITION TYPES

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	42
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A11.00

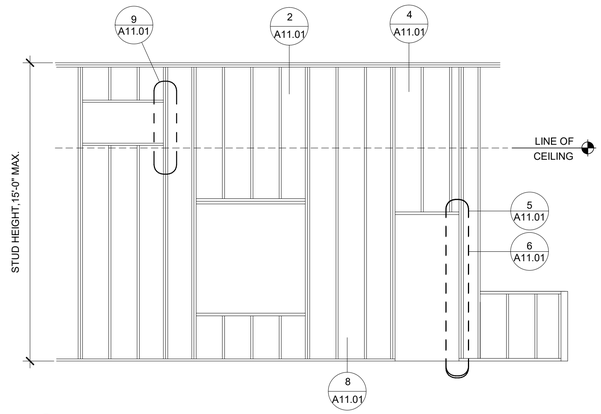
DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17". GRAPHIC SCALE FOR REFERENCE ONLY

7/17/2026 11:13:08 AM Autodesk Docs://PDX CCD West and South Bag Claim Restroom Rehabilitation/202322.03 PDX Restrooms and Pet Relief.rvt

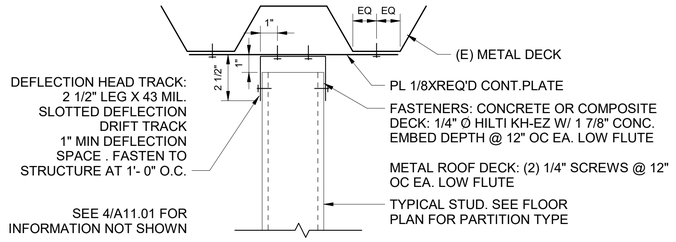
IF ELECTRONIC SIGNATURE IS BROKEN OR MISSING - THIS IS NOT A LEGAL DRAWING

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

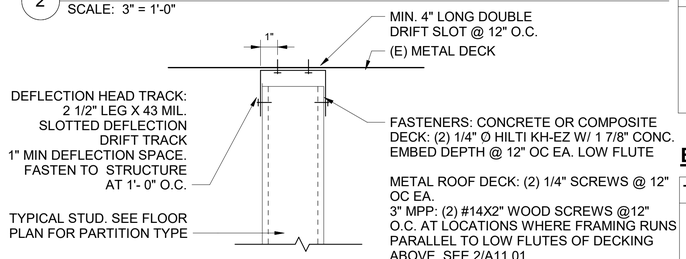
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



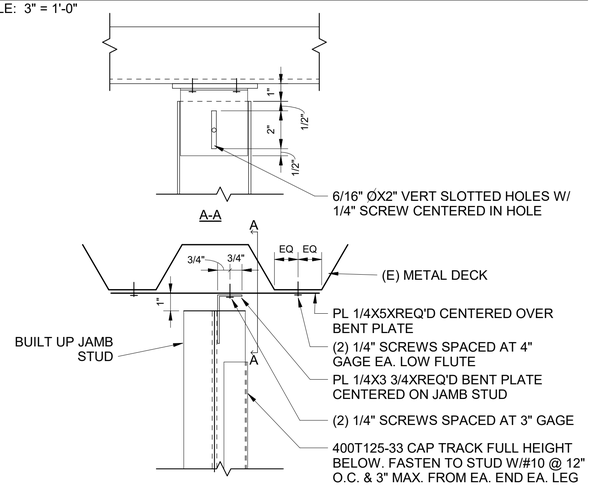
1 TYP. INTERIOR FRAMING
SCALE: 3/4" = 1'-0"



2 DEFLECTION HEAD - FRAMING PARALLEL TO LOW FLUTES
SCALE: 3" = 1'-0"



4 DEFLECTION HEAD - FRAMING PERPENDICULAR
SCALE: 3" = 1'-0"



INTERIOR JAMB AND HEADER SCHEDULE

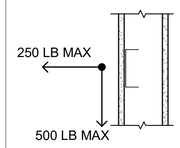
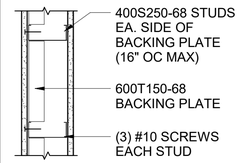
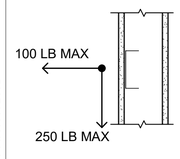
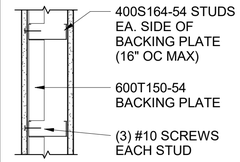
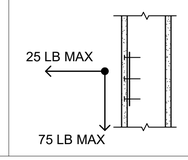
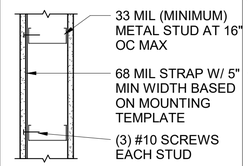
4'-0" MAX OPENING JAMB AND HEADER SCHEDULE

STUD DEPTH	JAMB STUDS	HEADER STUDS	HEADER TRACK
4"	(2) 400S200-54	(2)400S125-30	(2) 400T250-54

6'-0" MAX OPENING JAMB AND HEADER SCHEDULE

STUD DEPTH	JAMB STUDS	HEADER STUDS	HEADER TRACK
4"	(2) 400S200-54	(2)400S125-30	(2) 400t125-30
6"	(2) 600S200-54	(2)600S125-30	(2) 600T125-30

BACKING PLATE SCHEDULE

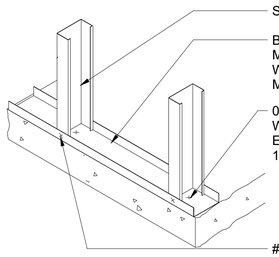
TYPE	LOAD DIAGRAM SECTION	PLAN DETAIL AND STUD GA.
LARGE SIZE GRAB BARS/ WALL MOUNTED LARGE EQUIPMENT, ETC		
MEDIUM SIZE RESTROOM ACCESSORIES OR TOILET/ URINAL PARTITIONS		
SMALL SIZE RESTROOM ACCESSORIES OR CASEWORK		

METAL STUD FRAMING NOTES

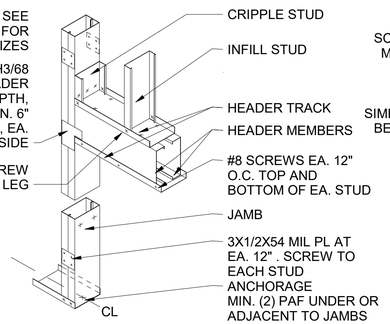
1. STEEL PARTITION FRAMING MATERIALS SHALL BE AS SPECIFIED.
2. SHEET METAL SCREWS (SMS): USE #8 SMS UNLESS OTHERWISE INDICATED AS #10 OR #12 SMS AS ON DRAWINGS, THE SMS TYPE SHALL BE AS FOLLOWS:
   A. WHERE SCREW HEAD IS OVERLAID WITH GYPSUM BOARD OR OTHER FINISH USE WAFER HEAD SELF-DRILLING.
   B. WHERE SCREW HEAD IS NOT OVERLAID WITH GYPSUM BOARD OR OTHER FINISH USE HEXHEAD SELF DRILLING.
3. PROVIDE FLAT STRAP LATERAL BRACING OF METAL STUD FLANGES ON FACES OF STUD WALLS THAT DO NOT HAVE SHEATHING ATTACHED. REFER TO 17/A9.102-F
4. POWDER ACTUATED FASTENER (PAF): HILTI X-U. ICC ES NUMBER 2269. INSTALL IN ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS.
5. ALL STUDS SHALL BE "C" STUDS WITH STIFFENED FLANGES.
6. ALL STUD FRAMING SHALL BE FULL HEIGHT, TO THE UNDERSIDE OF THE ROOF OR FLOOR DECK, UNLESS NOTED OTHERWISE
7. WHERE CONDITIONS IN THE FIELD MAKE IT IMPOSSIBLE TO FRAME A PARTITION FULL HEIGHT, THE CONTRACTOR SHALL CONTACT THE ARCHITECT FOR ADDITIONAL DIRECTION TO DETERMINE NEW FRAMING REQUIREMENTS .
8. DOUBLE STUDS AT THE SIDES OF OPENINGS SHALL NOT BE CUT FOR ANY REASON.
9. PROVIDE SCREWS AT SIZE INDICATED, LENGTH AS REQUIRED.

HEADER JAMB SCHEDULE NOTES

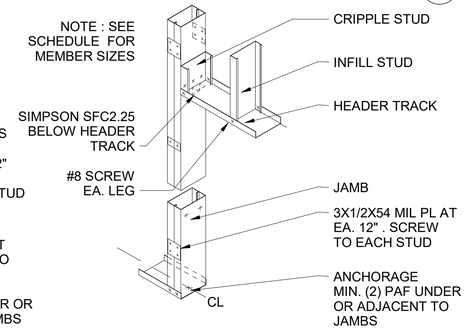
1. HEADER TRACK WIDTH SHALL MATCH WALL STUD DEPTH.
2. HEADER SIZES SHOWN FOR EACH GIVEN SPAN REPRESENT ALLOWED OPTIONS THAT MAY BE USED WITH ANY STUD/ JAMB DEPTH PROVIDED THE COMBINED WIDTH OF THE STUD FLANGES FITS WITHIN THE STUD JAMB DEPTH.
3. BOX HEADER TRACKS SHALL BE FASTENED TO HEADER STUD FLANGES W/ #8 SCREWS AT 12" O.C. EACH FLANGE TOP AND BOTTOM.
4. SIZES IN SCHEDULE ASSUME STUDS ARE SHEATHED BOTH SIDES OR WITH BLOCKING AT 48" O.C. MAX. UNLESS NOTED OTHERWISE.
5. ALTERNATIVE BOX JAMB, HEADER AND BRIDGING ASSEMBLIES, WITH SUPPORTING STRUCTURAL DOCUMENTATION MAY BE CONSIDERED AT PORT'S SOLE DISCRETION.



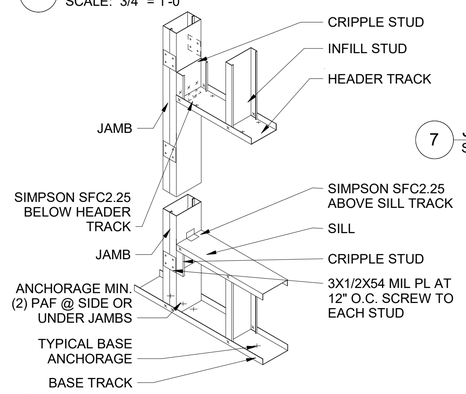
8 TYPICAL ATTACHMENT TO SLAB
SCALE: 3/4" = 1'-0"



5 HEADER - 6'-0" MAX - TYPICAL
SCALE: 3/4" = 1'-0"

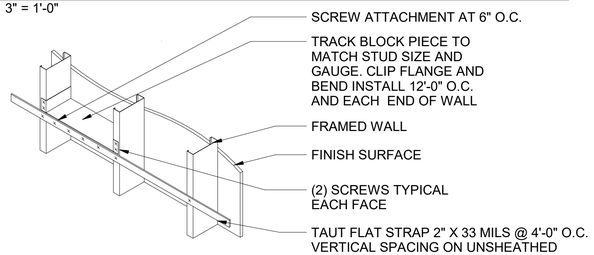


6 HEADER - 4'-0" MAX - TYPICAL
SCALE: 3/4" = 1'-0"

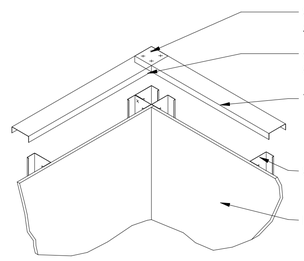


9 MECHANICAL OPENING FRAMING - 4'-0" MAX - TYP
SCALE: 3/4" = 1'-0"

7 JAMB TO METAL DECK AT 6'-0" OPENING
SCALE: 3" = 1'-0"



10 STRAPPING, TYP.
SCALE: 3/4" = 1'-0"



11 CORNER, TYP.
SCALE: 3/4" = 1'-0"

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER	103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

DETAILS - PARTITION TYPES

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	43 TYPE CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A11.01

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

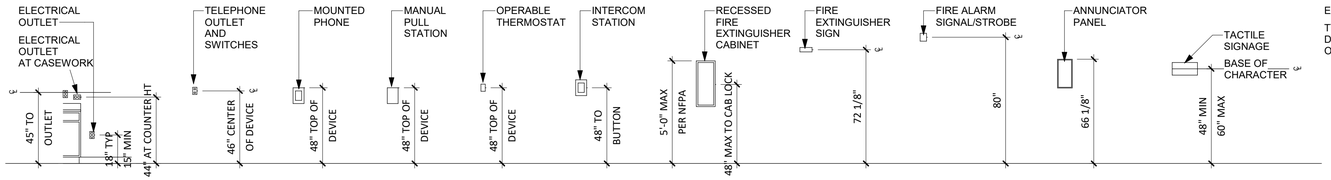
7/17/2026 11:13:09 AM Autodesk Docs://PDX CCD West and South Bag Claim Restroom Rehabilitation/202322.03 PDX Restrooms and Pet Relief.rvt

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

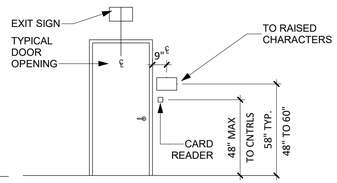
DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".

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

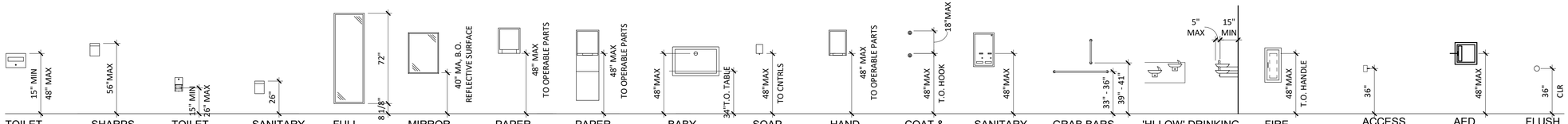
MISCELLANEOUS WALL MOUNTINGS



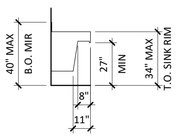
ACCESSORY MOUNTING HEIGHTS



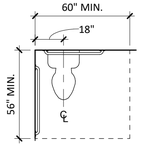
TYPICAL AT DOOR



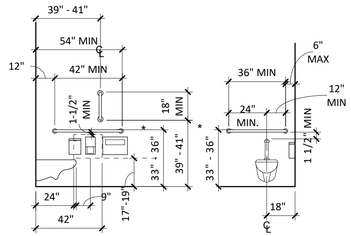
COMMON FIXTURE MOUNTING HEIGHTS



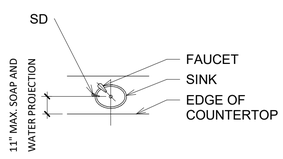
LAVATORY SECTION



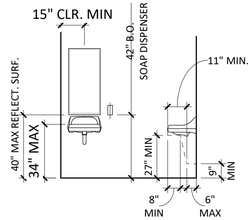
CLEAR FLOOR SPACE AT ACCESSIBLE WATER CLOSET



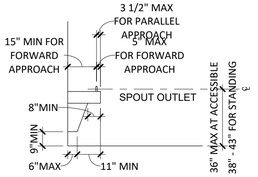
ACCESSIBLE TOILET ACCESSORIES



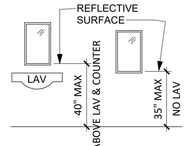
ENHANCED REACH LAVATORY PLAN



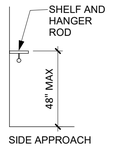
ACCESSIBLE LAVATORY



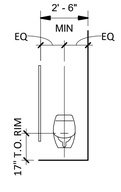
DRINKING FOUNTAIN



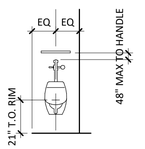
MIRRORS



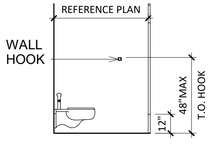
SHELVES



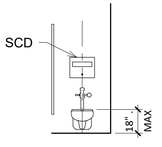
ACCESSIBLE URINAL



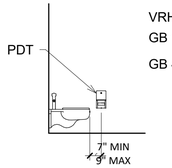
TYPICAL URINAL



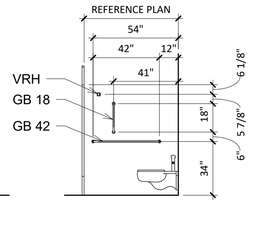
COMPARTMENT DOOR JAMB SIDE



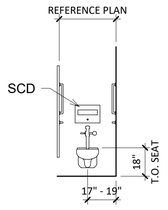
WATER CLOSET WALL



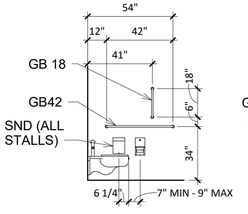
COMPARTMENT ACCESSORY SIDE



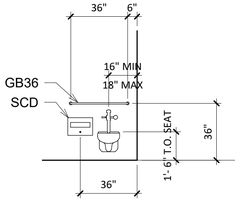
COMPARTMENT DOOR JAMB SIDE



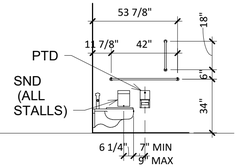
WATER CLOSET WALL



COMPARTMENT ACCESSORY SIDE

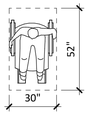


WATER CLOSET WALL

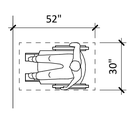


COMPARTMENT ACCESSORY SIDE

PLUMBING

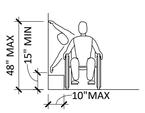


CLEAR FLOOR SPACE PARALLEL APPROACH

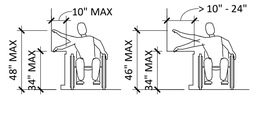


CLEAR FLOOR SPACE FORWARD APPROACH

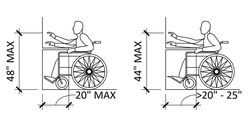
UNOBSTRUCTED FORWARD REACH



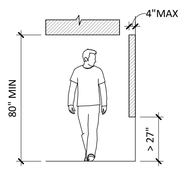
UNOBSTRUCTED SIDE REACH



OBSTRUCTED HIGH SIDE REACH



OBSTRUCTED HIGH FORWARD REACH



LIMITS OF PROTRUDING OBJECTS

EXCEPTIONS:

1. ***HANDRAILS MAY PROTRUDE 4 1/2"MAX,***
2. ***DOOR CLOSEST AND DOOR STOPS SHALL BE PERMITTED TO BE 78" MIN ABOVE FLOOR***

REACH RANGES

GENERAL NOTES

1. ALL DIMENSIONS INDICATED ON THIS SHEET ARE **CLEAR MINIMUM TO FACE OF FINISH**. DIMENSIONS TO TOILET ROOM ACCESSORIES ARE TO THE CENTER LINE AS NOTED OR TO THE HIGHEST PORTION OF THE OPENING OR OPERATING DEVICE.
2. ALL ITEMS INDICATED BELOW MAY NOT OCCUR ON THIS PROJECT. SEE PROJECT PLANS AND ELEVATIONS FOR ITEMS THAT OCCUR.
3. SEE ARCHITECTURAL PLANS FOR ACCESSIBILITY AND/OR ADAPTABILITY CONFORMANCE IN THE HORIZONTAL PLAN LAYOUT.
4. CONFORMANCE TO FIXTURE MOUNTING HEIGHT REQUIREMENTS ARE APPLICABLE IN ANY PUBLIC AREA OR EMPLOYEE WORK AREA MORE THAN 1000 SF, AS THEY OCCUR PER PROJECT.
5. VERIFY ACCESSORY SIZE WITH MANUFACTURER TO ENSURE CONFORMANCE WITH REQUIRED MOUNTING HEIGHTS.
6. PROVIDE CODE-COMPLIANT BLOCKING WITHIN WALLS AS REQUIRED FOR PROPOSED AND FUTURE ACCESSORIES AND GRAB BARS MOUNTING FIXTURES.
7. ACCESSIBLE FIXTURES REQUIRE A CLEAR FLOOR SPACE CONTIGUOUS OR OVERLAPPING THE ACCESSIBLE ROUTE. FLOOR DRAINS SHOULD NOT BE PLACED IN THIS CLEAR FLOOR SPACE. EXCEPTION: DRAINS MAY RESIDE IN CLEAR FLOOR SPACE PROVIDED DRAIN HOLES DO NOT EXCEED 1/2" DIA. MAXIMUM; FLOOR SLOPE DOES NOT EXCEED 2% IN ANY DIRECTION; AND THE ELEVATION CHANGE AT THE DRAIN LIP DOES NOT EXCEED 1/8".
8. SEE SPECIFICATIONS SECTION 102800 FOR ADDITIONAL INFORMATION ON TOILET ACCESSORIES AND FIXTURES
9. ALL DIMENSIONS SHOWN HERE ARE TO THE FACE OF FINISH UNLESS NOTED OTHERWISE.
10. COORDINATE GROUPING AND ARRANGEMENT OF ALL DEVICES PRIOR TO ROUGH IN.

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

DETAILS - MOUNTING HEIGHTS

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	44
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A11.02

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

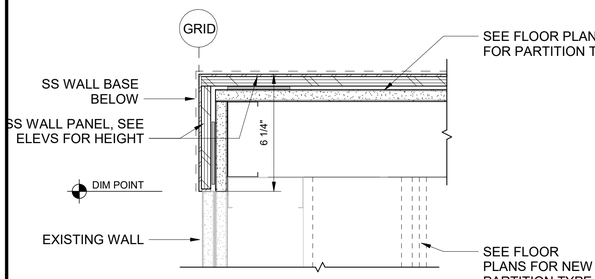
7/17/2026 11:13:10 AM Autodesk Docs://PDX CCD West and South Bag Claim Restroom Rehabilitation/202322.03 PDX Restrooms and Pet Relief.rvt

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

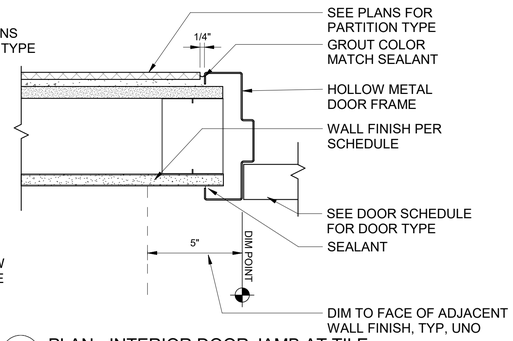
DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".

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.

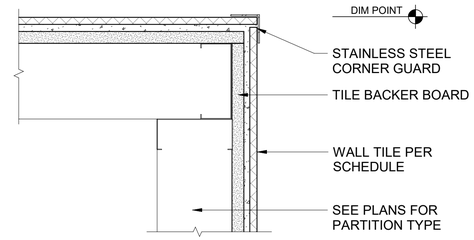
light gray
dark gray
black



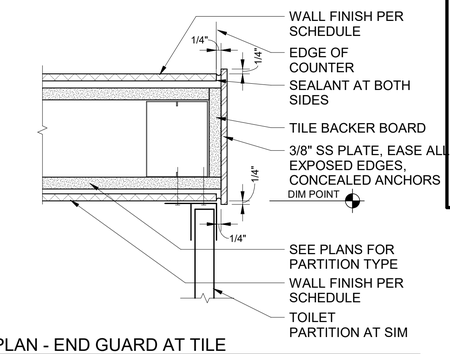
1 PLAN - ALL-GLASS STOREFRONT JAMB AT SS PANEL
SCALE: 3" = 1'-0"



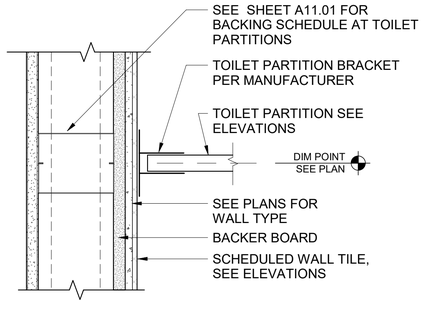
2 PLAN - INTERIOR DOOR JAMB AT TILE
SCALE: 3" = 1'-0"



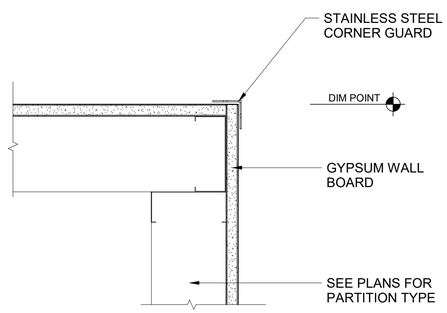
3 PLAN - CORNER GUARD AT TILE
SCALE: 3" = 1'-0"



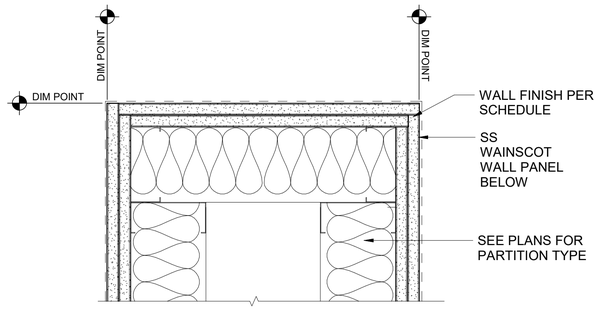
4 PLAN - END GUARD AT TILE
SCALE: 3" = 1'-0"



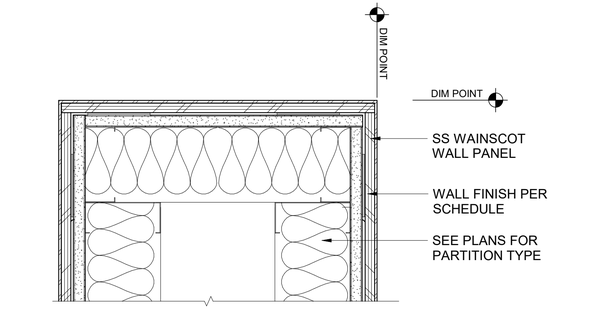
5 PLAN - TILE AT TOILET PARTITION
SCALE: 3" = 1'-0"



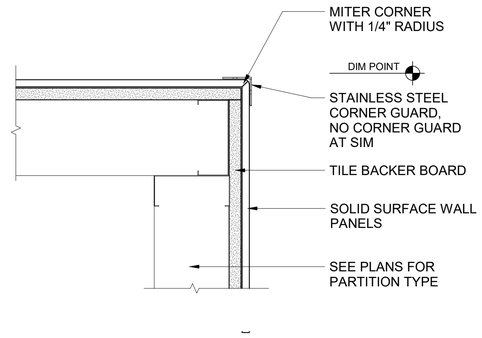
6 PLAN - CORNER GUARD AT GYP BD WALL
SCALE: 3" = 1'-0"



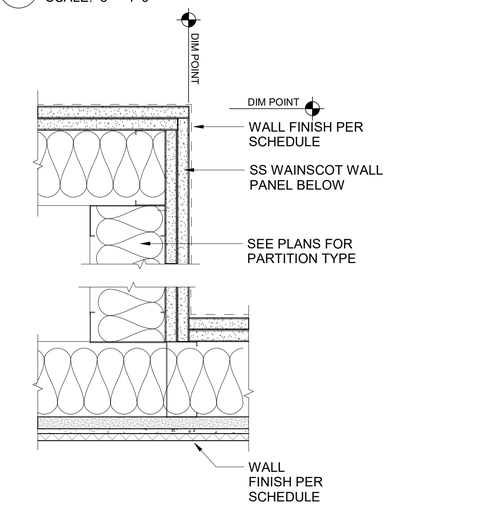
7 PLAN - OUTSIDE CORNER AT GYP COLUMN
SCALE: 3" = 1'-0"



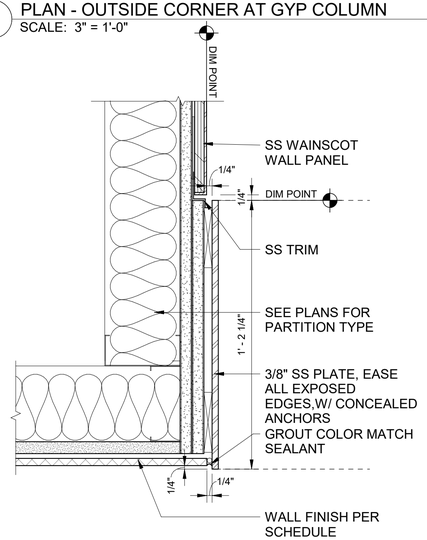
8 PLAN - OUTSIDE CORNER AT METAL PANEL WAINSCOT
SCALE: 3" = 1'-0"



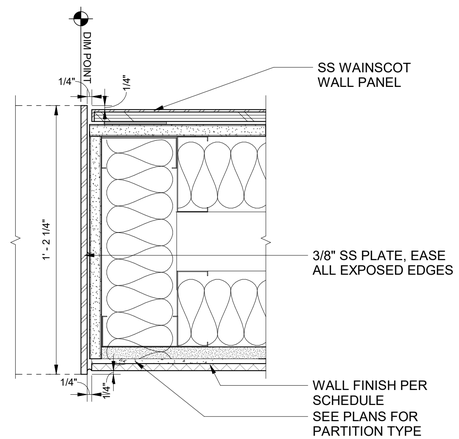
9 PLAN - CORNER GUARD AT SOLID SURFACE
SCALE: 3" = 1'-0"



10 PLAN - OUTSIDE CORNER AT GYP WALL
SCALE: 3" = 1'-0"



11 PLAN - SS JAMB AT TILE
SCALE: 3" = 1'-0"



12 PLAN - SS JAMB
SCALE: 3" = 1'-0"

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

DETAILS - PLAN 1

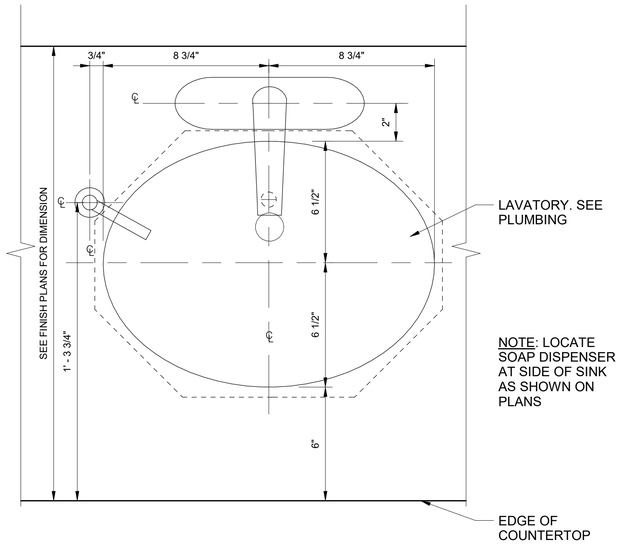
SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. COOK		
DRAWN BY	M. PHILLIPS		
CHECKED BY	J. ROOT		
DATE	JULY 2026		
SHEET NO.	45	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	A11.03

7/17/2026 11:13:11 AM Autodesk Docs://PDX CCD West and South Bag Claim Restroom Rehabilitation/202322.03 PDX Restrooms and Pet Relief.rvt

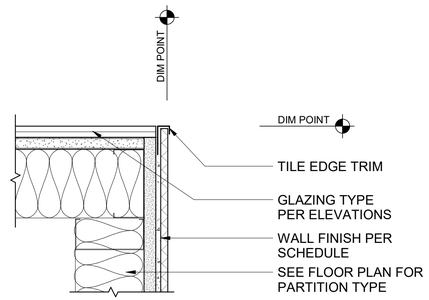
IF ELECTRONIC SIGNATURE IS BROKEN OR MISSING - THIS IS NOT A LEGAL DRAWING

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

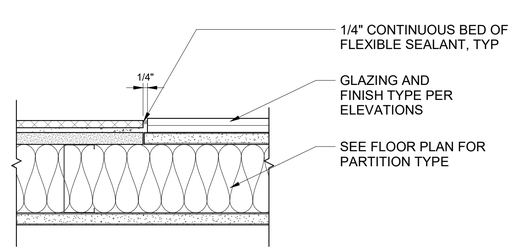
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



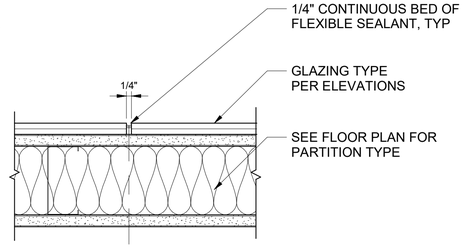
1 PLAN - LAVATORY - TYPICAL
SCALE: 3" = 1'-0"



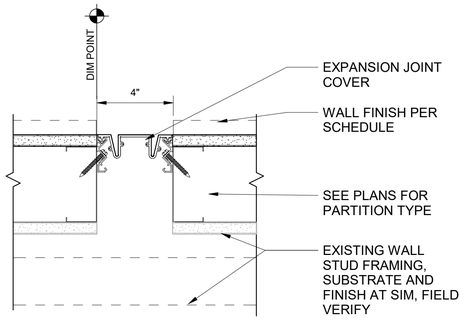
2 PLAN - CORNER AT GLASS AND TILE
SCALE: 3" = 1'-0"



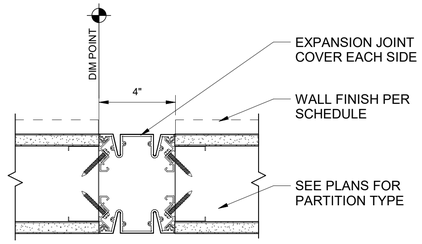
3 PLAN - JOINT AT GLASS PANEL AND TILE
SCALE: 3" = 1'-0"



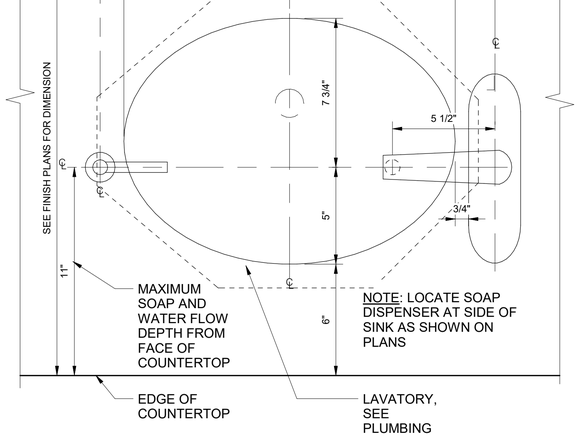
4 PLAN - TYPICAL GLASS PANEL JOINT
SCALE: 3" = 1'-0"



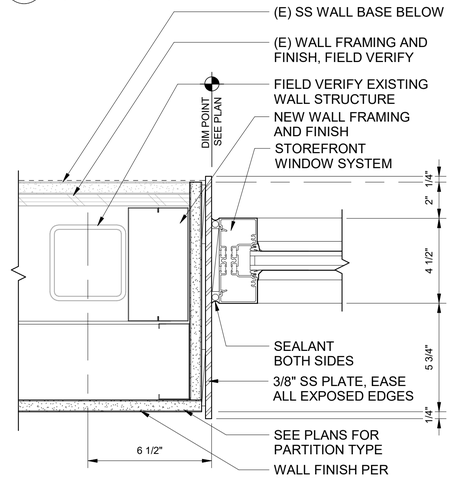
6 PLAN - EXPANSION JOINT COVER AT EXISTING
SCALE: 3" = 1'-0"



7 PLAN - EXPANSION JOINT COVER
SCALE: 3" = 1'-0"



9 PLAN - LAVATORY - ENHANCED REACH
SCALE: 3" = 1'-0"



10 PLAN - STOREFRONT JAMB.
SCALE: 3" = 1'-0"

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER	103101 PROJECT NUMBER

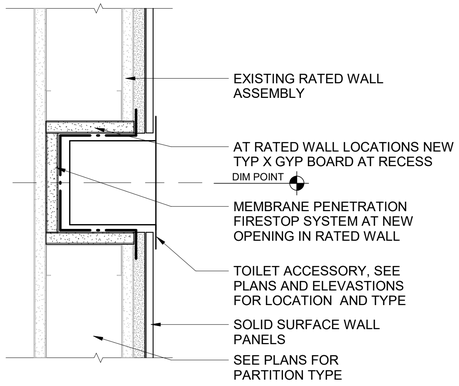
PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

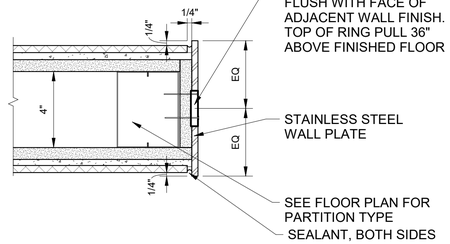
DETAILS - PLAN 2

SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. COOK		
DRAWN BY	M. PHILLIPS		
CHECKED BY	J. ROOT		
DATE	JULY 2026		
SHEET NO.	46	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	A11.04

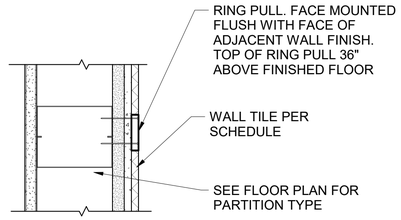
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



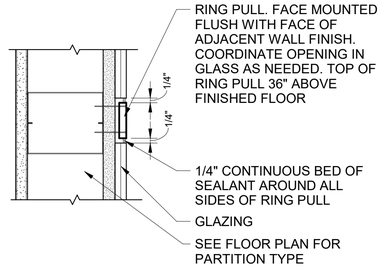
1 PLAN - RECESSED TOILET ACCESSORY
SCALE: 3" = 1'-0"



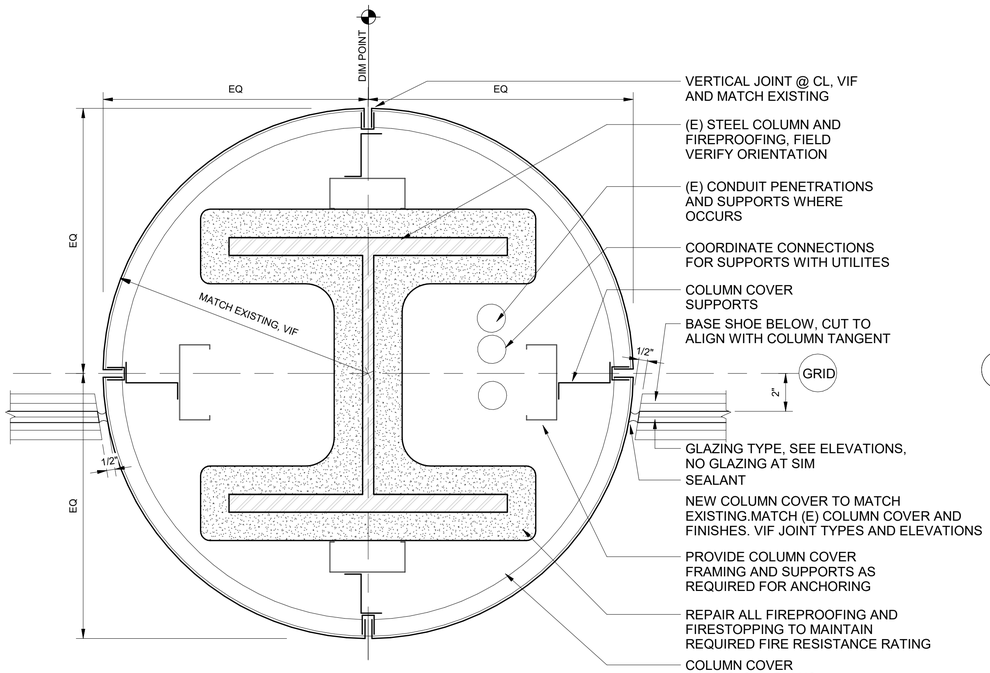
2 PLAN - RING PULL AT SS PLATE
SCALE: 3" = 1'-0"



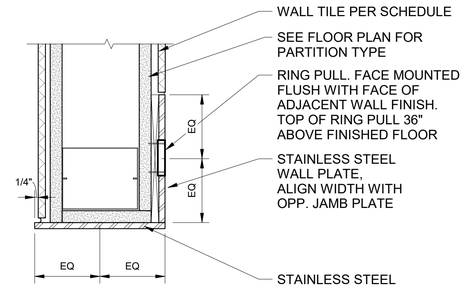
3 PLAN - RING PULL AT TILE
SCALE: 3" = 1'-0"



4 PLAN - RING PULL AT GLASS
SCALE: 3" = 1'-0"



5 PLAN - COLUMN COVER
SCALE: 3" = 1'-0"



6 PLAN - RING PULL AT SS CORNER PLATE
SCALE: 3" = 1'-0"

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

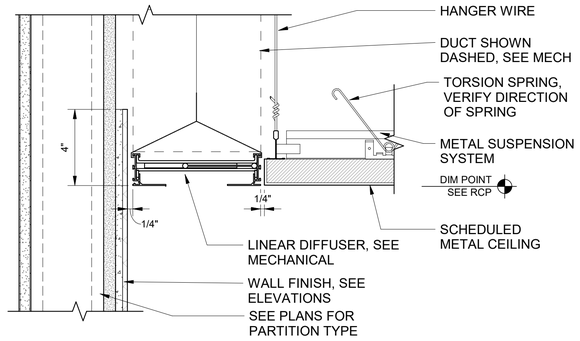
TERMINAL RESTROOM REHABILITATION 2026

DETAILS - PLAN 3

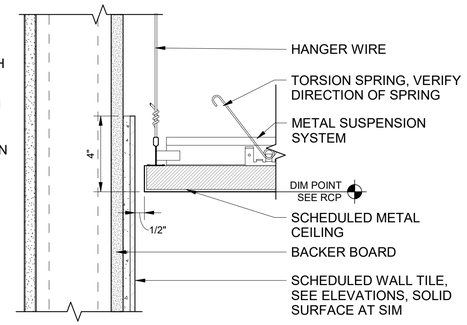
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	47
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A11.05

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

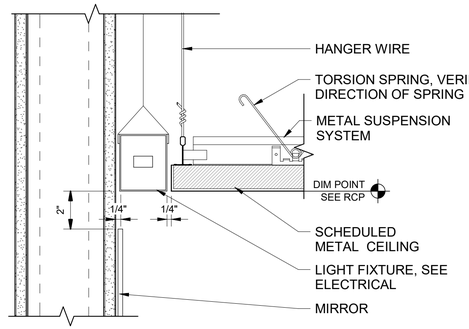
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



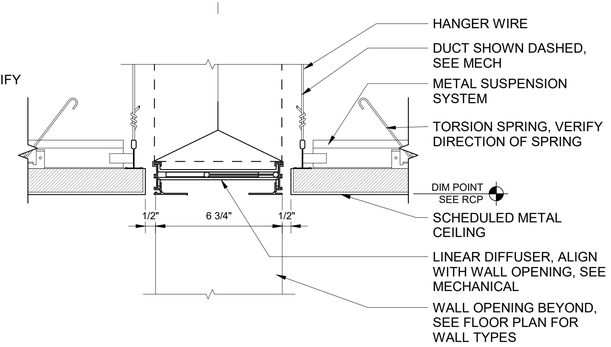
1 SECTION - DIFFUSER AT METAL CEILING AND WALL
SCALE: 3" = 1'-0"



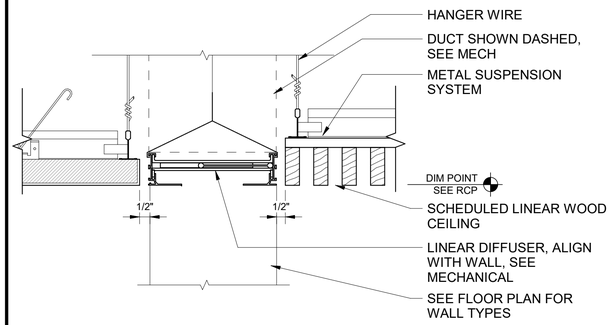
2 SECTION - TILE AT METAL CEILING
SCALE: 3" = 1'-0"



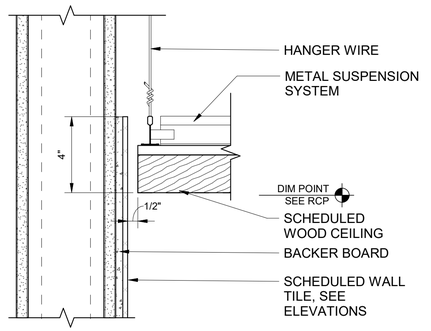
3 SECTION -METAL CEILING AT LIGHT AND MIRROR
SCALE: 3" = 1'-0"



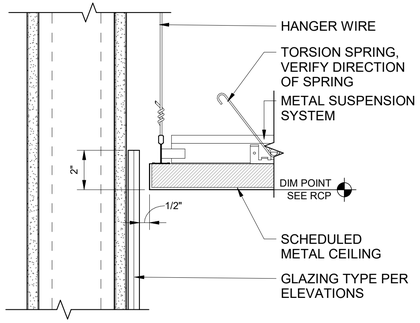
4 SECTION - DIFFUSER AT METAL CEILING
SCALE: 3" = 1'-0"



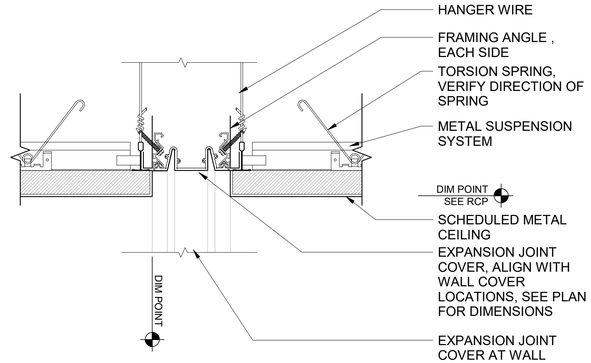
5 SECTION - METAL CEILING AT LINEAR WOOD CEILING
SCALE: 3" = 1'-0"



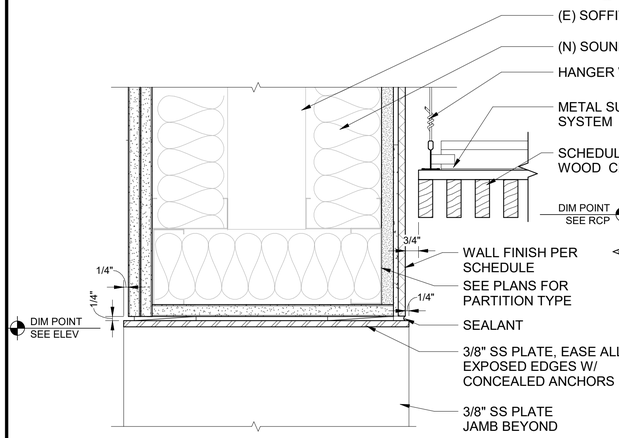
6 SECTION - WOOD CEILING AT TILE
SCALE: 3" = 1'-0"



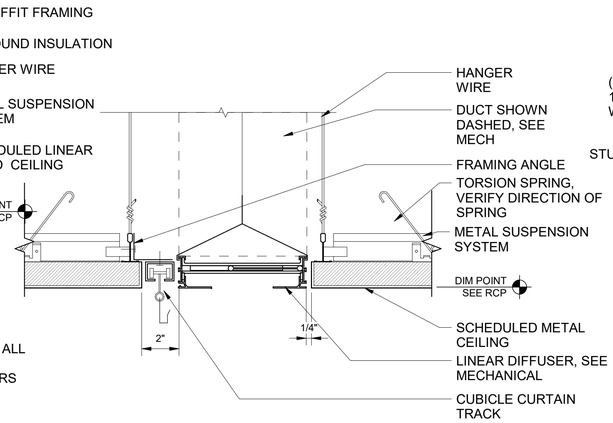
7 SECTION - GLASS WALL PANEL AT METAL CEILING
SCALE: 3" = 1'-0"



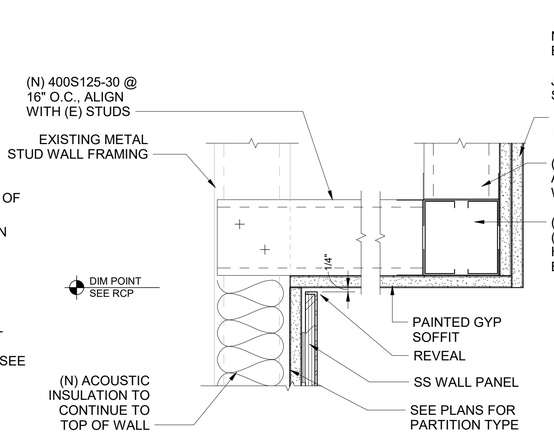
9 PLAN - EXPANSION JOINT COVER AT CEILING
SCALE: 3" = 1'-0"



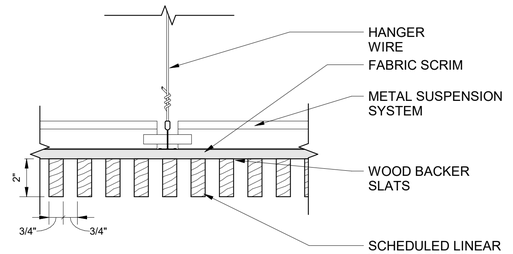
10 SECTION - SS HEAD
SCALE: 3" = 1'-0"



11 SECTION - DIFFUSER AND CURTAIN TRACK AT METAL CEILING
SCALE: 3" = 1'-0"



12 SECTION - SS WALL PANEL AT GYP SOFFIT
SCALE: 3" = 1'-0"



13 SECTION - TYPICAL LINEAR WOOD CEILING
SCALE: 3" = 1'-0"

DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".
GRAPHIC SCALE-FOR REFERENCE ONLY
0 1/8" 1/2" 1" 2"

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

DETAILS - SECTION 1

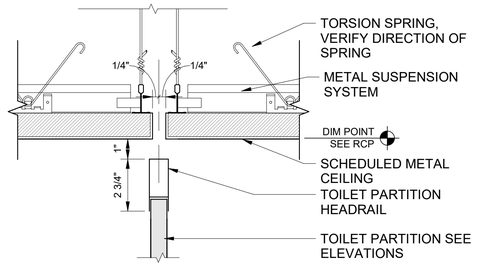
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	48 TYPE CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A11.06

7/17/2026 11:13:14 AM Autodesk Docs://PDX CCD West and South Bag Claim Restroom Rehabilitation/202322.03 PDX Restrooms and Pet Relief.rvt

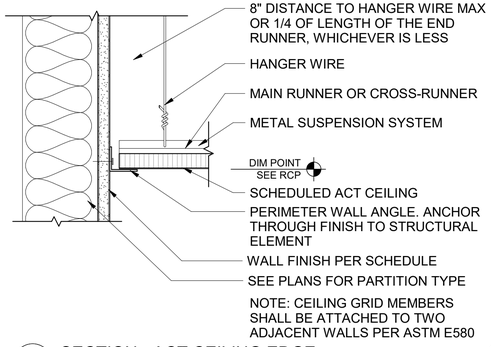
IF ELECTRONIC SIGNATURE IS BROKEN OR MISSING - THIS IS NOT A LEGAL DRAWING

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

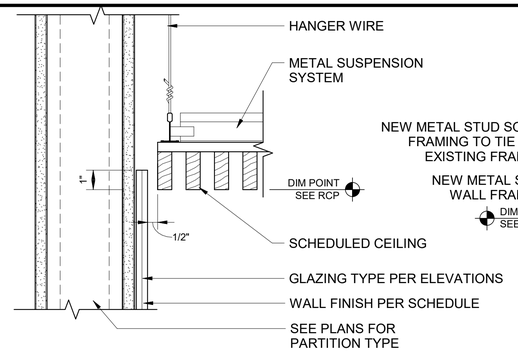
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



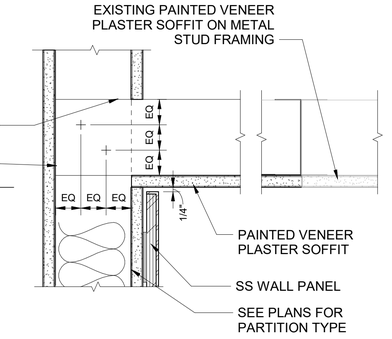
1 SECTION - METAL CEILING AT TOILET PARTITION
SCALE: 3" = 1'-0"



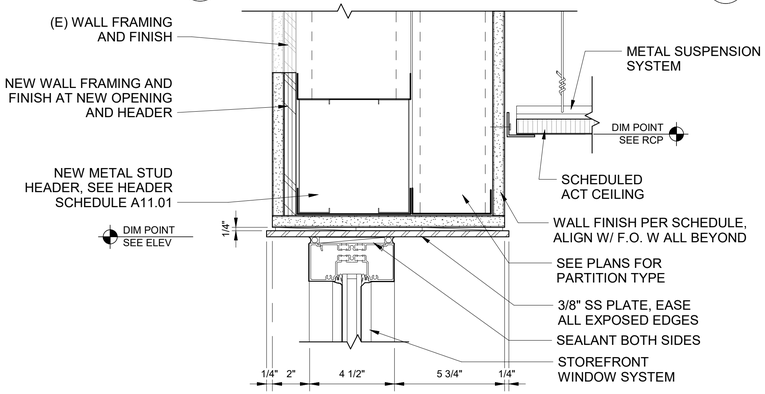
2 SECTION - ACT CEILING EDGE
SCALE: 3" = 1'-0"



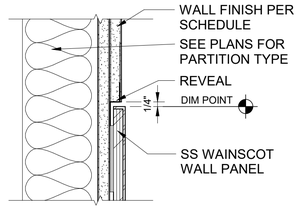
3 SECTION - GLASS WALL PANEL AT LINEAR WOOD CEILING
SCALE: 3" = 1'-0"



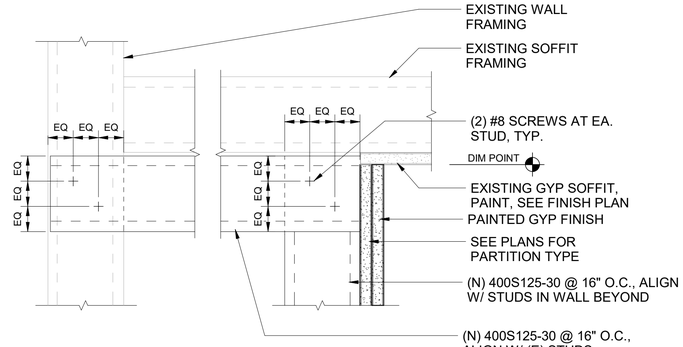
4 SECTION - SS WALL PANEL AT GYP SOFFIT .
SCALE: 3" = 1'-0"



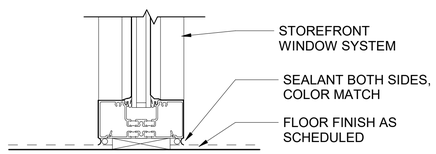
5 SECTION - STOREFRONT HEAD
SCALE: 3" = 1'-0"



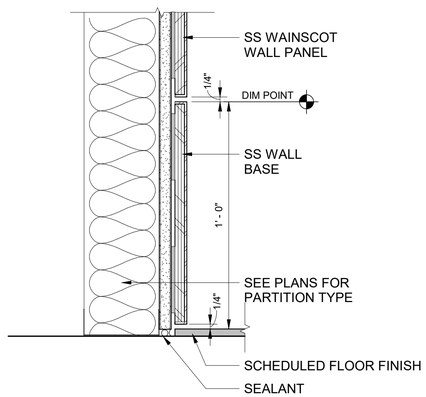
6 SECTION - TOP OF SS WAINSCOT
SCALE: 3" = 1'-0"



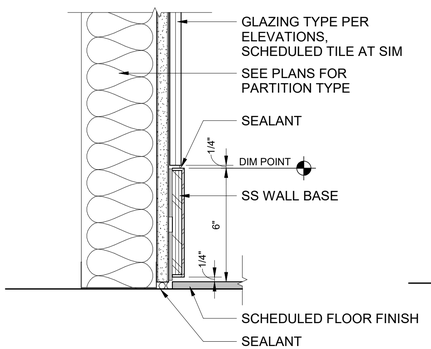
7 SECTION - GYP WALL AT (E) GYP SOFFIT
SCALE: 3" = 1'-0"



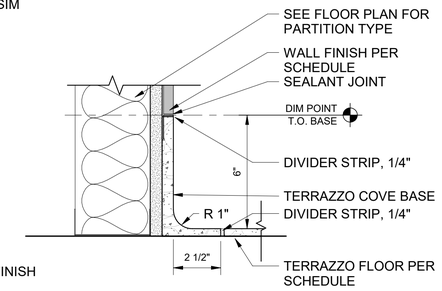
9 SECTION - STOREFRONT SILL
SCALE: 3" = 1'-0"



10 SECTION - SS WALL BASE AT GYP WALL
SCALE: 3" = 1'-0"



11 SECTION - SS WALL BASE AT GLAZING
SCALE: 3" = 1'-0"



12 SECTION - TERRAZZO COVE BASE
SCALE: 3" = 1'-0"

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

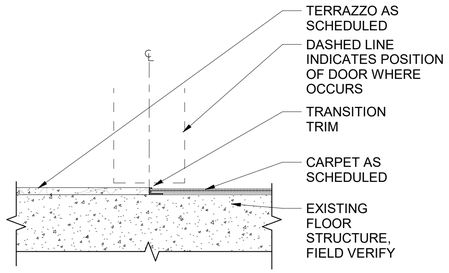
PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

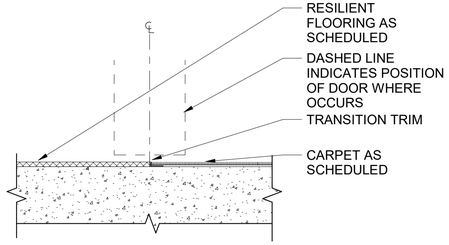
DETAILS - SECTION 2

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	49
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A11.07

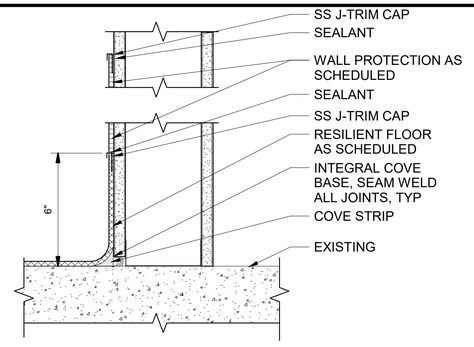
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



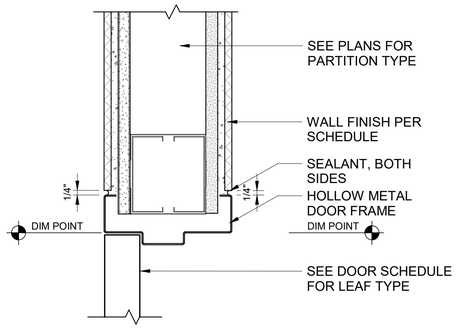
1 TRANSITION - TERRAZZO TO CARPET
SCALE: 3" = 1'-0"



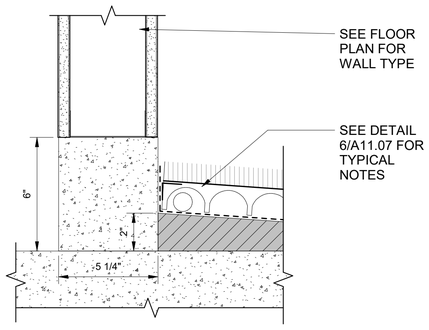
2 TRANSITION - RESILIENT TO CARPET
SCALE: 3" = 1'-0"



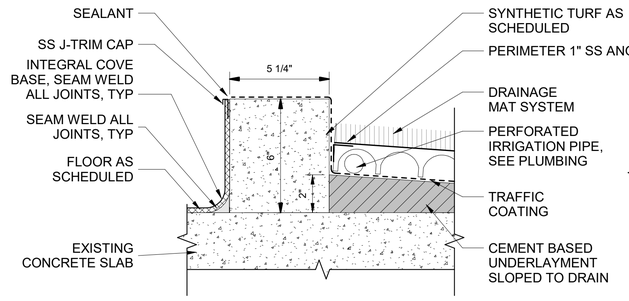
3 SECTION - SELF COVE INTEGRAL RESILIENT BASE
SCALE: 3" = 1'-0"



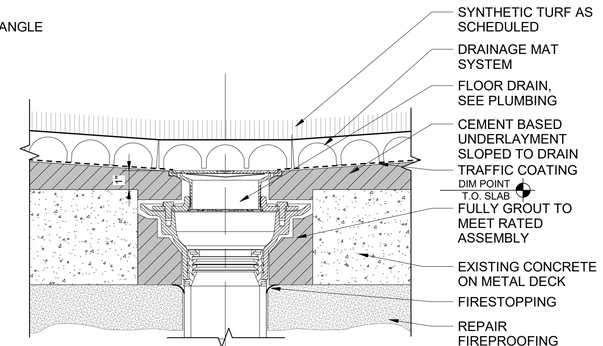
4 SECTION - INTERIOR DOOR HEAD AT TILE
SCALE: 3" = 1'-0"



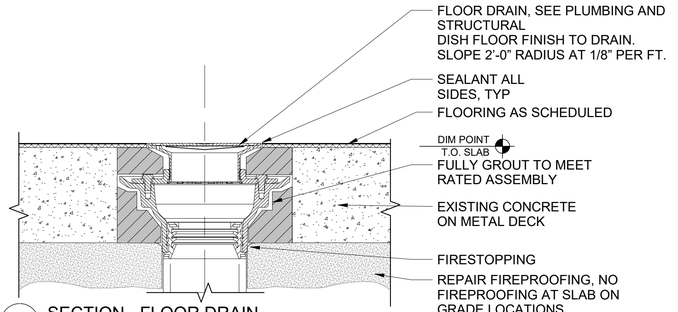
5 SECTION - CONCRETE CURB AT WALL
SCALE: 3" = 1'-0"



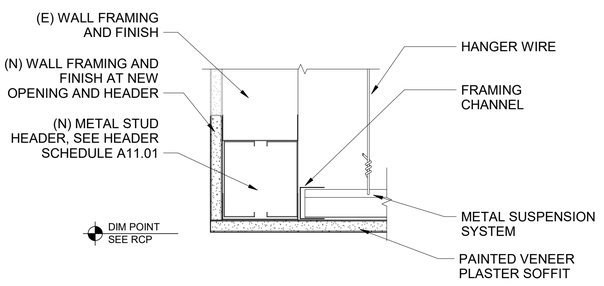
6 SECTION - FLOORING TRANSITION CURB
SCALE: 3" = 1'-0"



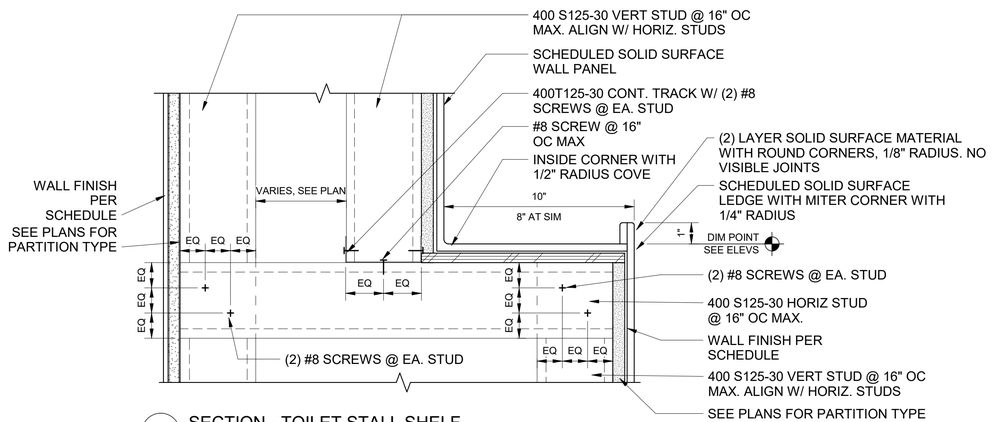
7 SECTION - PET RELIEF FLOOR DRAIN
SCALE: 3" = 1'-0"



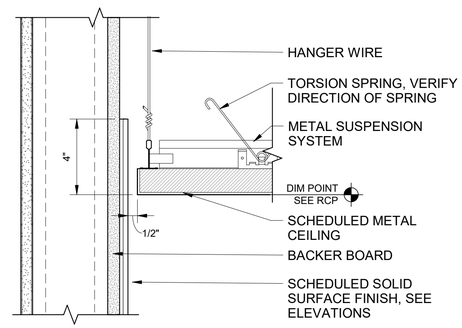
8 SECTION - FLOOR DRAIN
SCALE: 3" = 1'-0"



9 SECTION - SS CORNER GUARD AT AT GYP SOFFIT
SCALE: 3" = 1'-0"



10 SECTION - TOILET STALL SHELF
SCALE: 3" = 1'-0"



11 SECTION - SOLID SURFACE AT METAL CEILING
SCALE: 3" = 1'-0"

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

DETAILS - SECTION 3

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	50
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A11.08

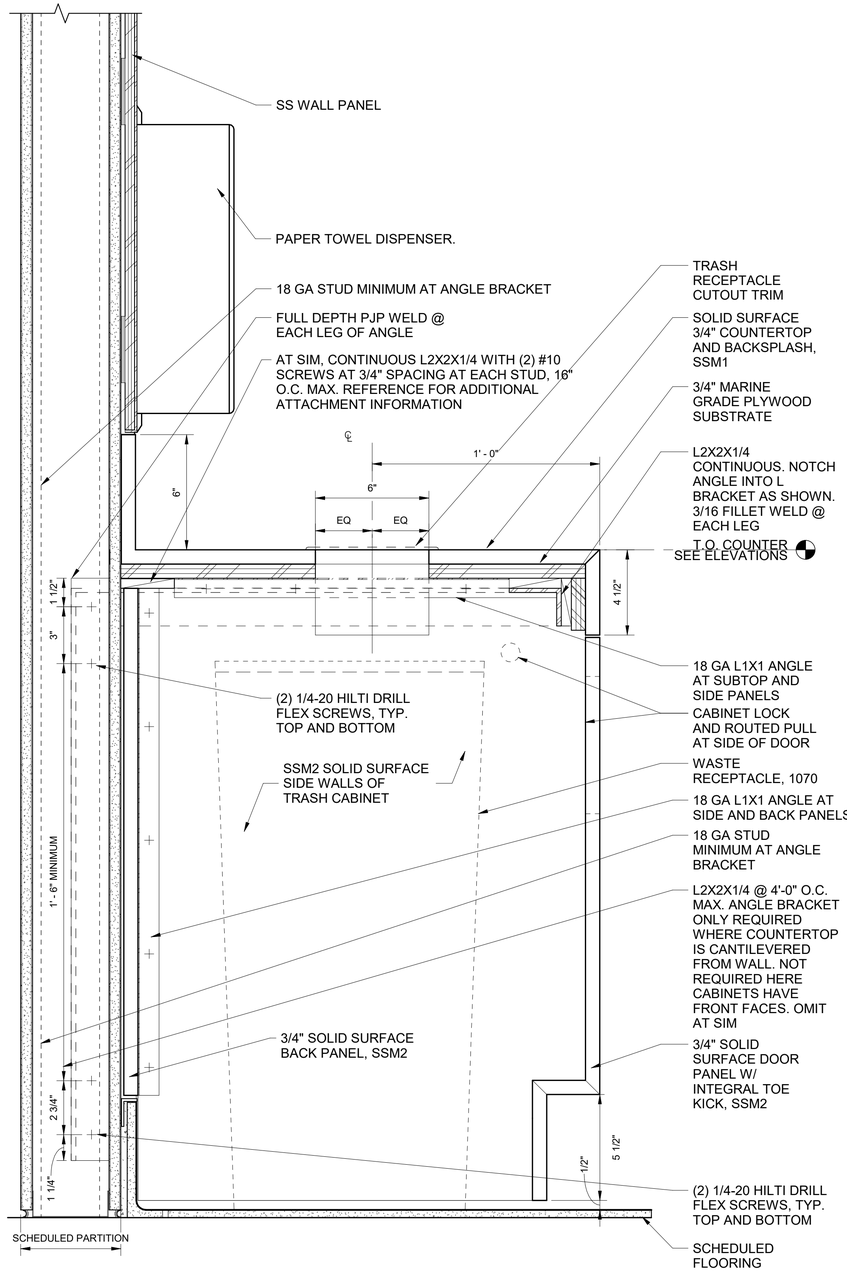
DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17". GRAPHIC SCALE-FOR REFERENCE ONLY

7/17/2026 11:13:18 AM Autodesk Docs://PDX CCD West and South Bag Claim Restroom Rehabilitation/202322.03 PDX Restrooms and Pet Relief.rvt

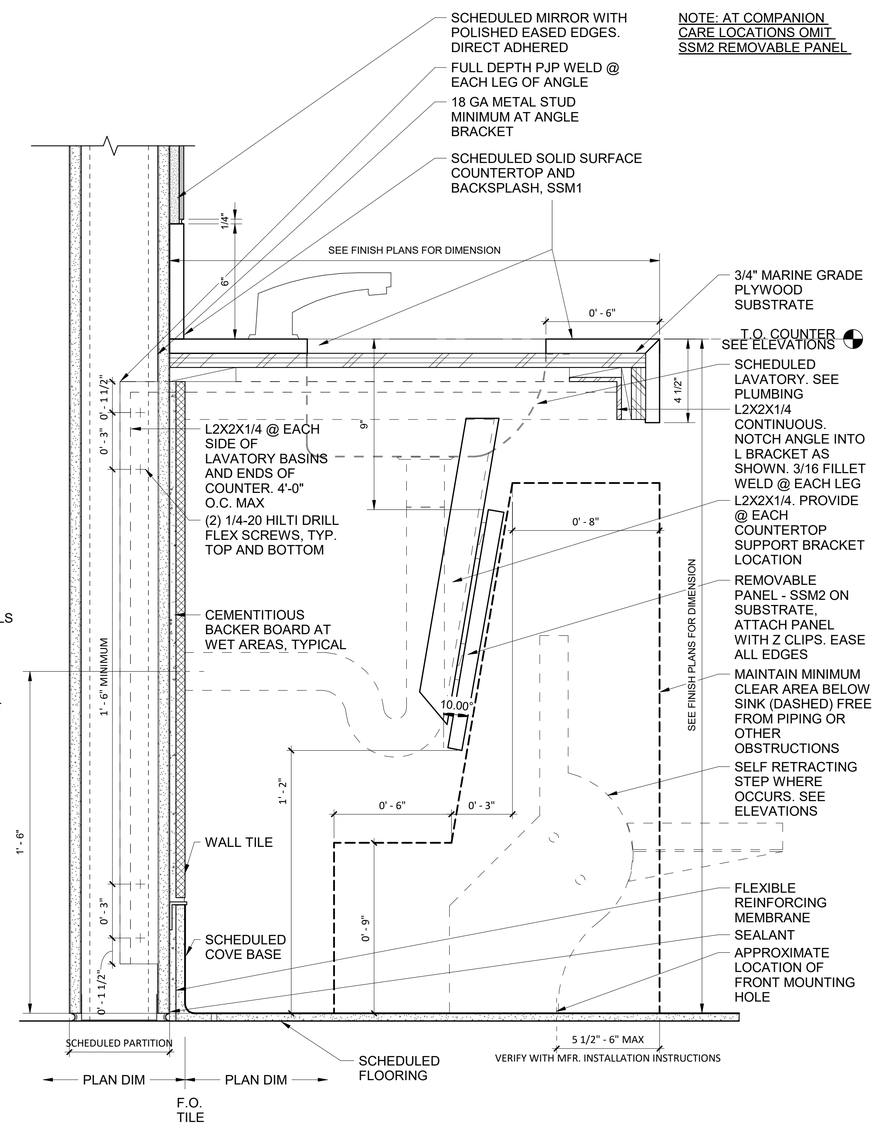
IF ELECTRONIC SIGNATURE IS BROKEN OR MISSING - THIS IS NOT A LEGAL DRAWING

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

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.

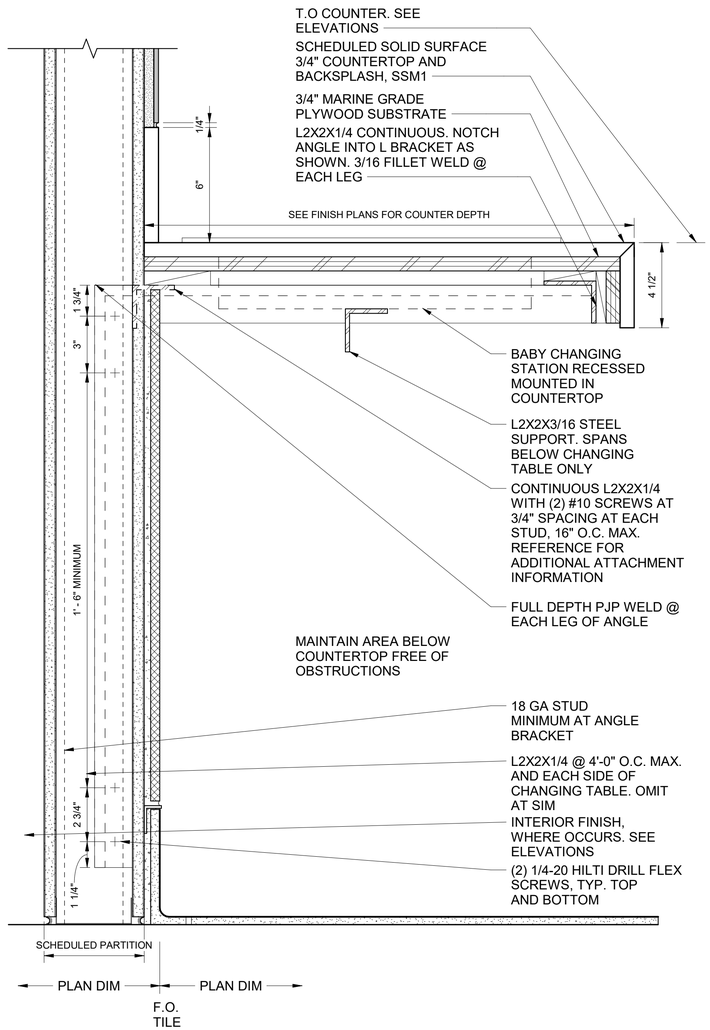


1 SECTION - TRASH RECEPTACLE
SCALE: 3" = 1'-0"



NOTE: AT COMPANION CARE LOCATIONS OMIT SSM2 REMOVABLE PANEL

2 SECTION - RESTROOM LAVATORY
SCALE: 3" = 1'-0"



3 SECTION - INFANT CHANGING TABLE
SCALE: 3" = 1'-0"

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

DETAILS - SECTION 4

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	51
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	A11.09

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.

light gray | dark gray | black

GENERAL STRUCTURAL NOTES

GENERAL NOTES:

1. CONSTRUCTION AND DESIGN SHALL CONFORM TO THE 2024 INTERNATIONAL BUILDING CODE AS AMENDED BY THE STATE OF OREGON (2025 OREGON STRUCTURAL SPECIALTY CODE).

2. THE STRUCTURAL DRAWINGS SHALL BE UTILIZED IN CONJUNCTION WITH OTHER DESIGN CONSULTANTS DRAWINGS (ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, ETC.). IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE REQUIREMENTS OF THE DRAWINGS INTO THEIR SHOP DRAWINGS AND CONSTRUCTION.

3. THE GENERAL STRUCTURAL NOTES ARE INTENDED FOR USE IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS. IN THE EVENT OF CONFLICT BETWEEN THE TWO, THE GENERAL STRUCTURAL NOTES SHALL SUPERSEDE THE PROJECT SPECIFICATIONS. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE PORT FOR REVIEW.

4. CONSTRUCTION SEQUENCE AND METHODS:
   A. THE STRUCTURAL DRAWINGS ARE INTENDED FOR THE STRUCTURE TO ACT AS A WHOLE ONCE CONSTRUCTION IS COMPLETE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE SAFETY AND STABILITY (I.E. TEMPORARY BRACING AND SHORING IF REQUIRED) DURING CONSTRUCTION AS A RESULT OF CONSTRUCTION METHODS AND SEQUENCES.

   B. THE CONTRACTOR SHALL TAKE INTO ACCOUNT COLD WEATHER CONSTRUCTION AND THE EFFECTS OF THERMAL MOVEMENT DURING THE CONSTRUCTION SCHEDULE.

5. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS. THE PORT SHALL BE NOTIFIED OF ANY DISCREPANCY BETWEEN THE EXISTING CONDITIONS AND CONSTRUCTION DOCUMENTS.

6. SUBMITTALS:
   A. GRAVITY SUPPORT, SEISMIC BRACING AND RESTRAINT TO THE STRUCTURE OF ANY MEP EQUIPMENT, MACHINERY AND ASSOCIATED PIPING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONNECTIONS NOT IN COMPLIANCE WITH SMACNA (SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION OR THE MEP DESIGN DRAWINGS, SHALL BEAR THE SEAL OF A REGISTERED ENGINEER IN THE STATE OF OREGON AND SHALL BE SUBMITTED ALONG WITH CALCULATIONS TO THE PORT FOR APPROVAL PRIOR TO FABRICATION.

   B. SUBMITTAL TABLE:

SUBMITTAL TABLE			
ITEM	SUBMITTAL (1) (3)	DEFERRED SUBMITTAL (2) (3)	COMMENTS
CONCRETE MIX DESIGNS	X		
CONCRETE REINFORCEMENT	X		
STRUCTURAL STEEL	X		
STEEL STUDS	X		
STEEL WELDING PROCEDURES	X		
SEE SHEET A0.01, DESIGN-ENGINEERED		X	

   C. SUBMITTAL TABLE NOTES (#):
      1. SHOP DRAWINGS SHALL BE SUBMITTED TO THE PORT PRIOR TO FABRICATION AND CONSTRUCTION OF STRUCTURAL ITEMS. IF THE SHOP DRAWINGS DIFFER FROM OR ADD TO THE DESIGN OF THE STRUCTURAL DRAWINGS, THEY SHALL BEAR THE SEAL AND SIGNATURE OF THE STRUCTURAL ENGINEER REGISTERED IN THE STATE OF OREGON. ANY CHANGES TO THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE PORT AND ARE SUBJECT TO REVIEW AND ACCEPTANCE OF THE STRUCTURAL ENGINEER.

      2. DEFERRED SUBMITTALS: SHOP DRAWINGS, AND CALCULATIONS FOR THE DESIGN AND FABRICATION OF ITEMS THAT ARE DESIGNED BY OTHERS SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF OREGON AND BE SUBMITTED TO THE PORT PRIOR TO FABRICATION. CALCULATIONS AND BIDDER DESIGN DRAWINGS SHALL INCLUDE THE DESIGN, CONNECTION TO THE STRUCTURE, AND ACCOUNTING OF ANY LOCALIZED EFFECTS THE CONNECTIONS OR SYSTEMS MAY INDUCE ON THE STRUCTURE. DESIGN SHALL BE BASED ON THE REQUIREMENTS OF THE OSSC, AS NOTED UNDER "DESIGN CRITERIA", AND AS SHOWN ON ANY OTHER CONTRACT DOCUMENTS.

      3. SHOP DRAWING PRODUCTION: THE USE OF REPRODUCTIONS OR PHOTO COPIES OF THE CONTRACT DRAWINGS SHALL NOT BE PERMITTED. WHEN CAD OR REVIT FILES ARE PROVIDED TO THE CONTRACTORS IT IS THE RESPONSIBILITY OF THE DETAILERS TO REMOVE ALL INFORMATION NOT DIRECTLY RELEVANT TO THE CREATION TO THE PLACING DRAWING AS WELL AS ALL REFERENCES TO THE OUTSIDE SOURCE FILES.

7. DESIGN CRITERIA:

   A. CODES:
   2024 INTERNATIONAL BUILDING CODE AS AMENDED BY THE STATE OF OREGON (2025 OREGON STRUCTURAL SPECIALTY CODE (OSSC))

   B. LOADS AND DESIGN CRITERIA:
   THE FOLLOWING LIVE LOADS AND CRITERIA WERE USED IN ADDITION TO THE DEAD LOAD OF THE STRUCTURE:

      a. LATERAL CRITERIA:
         SEISMIC.....I_p = 1.0 OR 1.5 (REF. ASCE 7-22) RISK CATEGORY III
         S_S = 0.90g S_1 = 0.33g
         S_{ds} = 0.81g
         SEISMIC DESIGN CATEGORY D

GENERAL NOTES CONT.:

8. VERTICAL FLOOR DEFLECTION CRITERIA: $L/_{360}$ LIVE LOAD. ALL INTERIOR NON-BEARING PARTITION WALLS, STOREFRONT AND GLAZING SYSTEMS, ETC. SHALL BE DESIGNED WITH DEFLECTION HEAD SYSTEMS CAPABLE OF ACCOMMODATING THE EXPECTED LIVE LOAD DEFLECTION OR UTILIZE DEFAULT 1" DEFLECTION.

9. WALL ATTACHMENTS SHALL NOT APPLY ANY LATERAL LOADS TO THE BOTTOM FLANGE OF BEAMS AND JOISTS. IF ATTACHMENT IS MADE TO THE BOTTOM FLANGE OF BEAMS OR JOISTS, ADDITIONAL INCLINED STRUTS BRACING THE BOTTOM FLANGE, OR EQUIVALENT TO COUNTERACT THESE FORCES SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR AND SUBMITTED FOR THE PORT FOR REVIEW AND APPROVAL.

CONCRETE AND REINFORCING STEEL:

1. CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318-19 AND THE 2024 INTERNATIONAL BUILDING CODE AS AMENDED BY THE STATE OF OREGON STRUCTURAL SPECIALTY CODE (2025 OSSC)

2. THE MINIMUM 28 DAY CONCRETE STRENGTH SHALL BE AS FOLLOWS:
   - f'_c = 3,000 PSI.....FOR ALL USES UNLESS NOTED OTHERWISE

3. CONCRETE MIX DESIGNS, ALONG WITH TEST DATA AS REQUIRED, SHALL BE SUBMITTED BY THE CONTRACTOR AN ADEQUATE AMOUNT OF TIME PRIOR TO THE CONCRETE POURS. ALL HORIZONTALLY EXPOSED SURFACES SHALL HAVE MIX DESIGNS SUBMITTED WITH AN AIR ENTRAINMENT ADMIXTURE INCLUDED PROVIDING BETWEEN 4% AND 6% AIR ENTRAINMENT.

4. CONCRETE MIX TO UTILIZE A MAXIMUM WATER-CEMENTITIOUS MATERIALS RATIO OF 0.45 FOR ALL APPLICATIONS.

5. A 20% MAXIMUM OF CEMENT CONTENT MAY BE SUBSTITUTED WITH FLYASH CONFORMING TO ASTM C618, TYPE F OR C. HIGH PERCENTAGES OF FLYASH MAY BE UTILIZED WITH ACCEPTANCE AND APPROVAL BY THE STRUCTURAL ENGINEER. ANY CONCRETE MIX UTILIZING FLYASH SHALL BE VERIFIED WITH TEST DATA. OTHER TYPES OF CEMENT SUBSTITUTIONS MAY BE UTILIZED (I.E. SILICA FUME, GROUND GRANULATED BLAST FURNACE SLAG, ETC.) IF APPROVED BY THE PORT AND ENGINEER AND APPROPRIATE MIX DESIGN TEST DATA IS SUBMITTED FOR APPROVAL.

6. ADDITIONAL WATER SHALL NOT BE ADDED TO THE CONCRETE MIX AT THE JOB SITE UNLESS THE BATCH PLANT TICKET INDICATES WATER WAS WITHHELD AT THE BATCH PLANT FOR LATER INCLUSION AT THE JOBSITE. THE SPECIAL INSPECTOR SHALL APPROVE AND MONITOR ANY ADDITION OF WATER AT THE JOBSITE. WATER REDUCING ADMIXTURES CONFORMING TO ASTM C494 MAY BE UTILIZED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

7. MAXIMUM AGGREGATE SIZE IN ALL CONCRETE SHALL BE 3/4" NOMINAL AND CONFORM TO ASTM C33 AGGREGATE SIZE #67.

8. IF CONCRETE IS TO BE POURED AGAINST AN EXISTING CONCRETE SURFACE, THE EXISTING SURFACE SHALL BE CLEANED AND ROUGHENED TO A MINIMUM OF 1/4" AMPLITUDE. EXISTING CONCRETE SURFACES INCLUDE NEW CONCRETE WHICH HAS BEEN PREVIOUSLY POURED.

9. SLEEVES, OPENINGS, CONDUITS, AND OTHER EMBEDDED ITEMS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL NOT BE LARGER IN OUTSIDE DIAMETER THAN ONE THIRD THE THICKNESS OF THE WALL OR SLAB AND SHALL NOT BE SPACED CLOSER THAN THREE DIAMETERS ON CENTER.

10. REINFORCING STEEL
    A. REINFORCING STEEL SHALL BE DETAILED, FABRICATED, AND INSTALLED ACCORDING TO THE "MANUAL OF STANDARD PRACTICE OF REINFORCED CONCRETE CONSTRUCTION" BY THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI).

    B. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60 OR WELDABLE ASTM A706 GRADE 60.

    C. ALL LAP SPLICES OF REINFORCEMENT SHALL CONFORM TO CLASS B LAPS AS SHOWN ON THE LAP SPLICE SCHEDULE PER THIS SHEET UNLESS NOTED OTHERWISE.

    D. ALL 90° AND 180° HOOKS SHOWN ON THE DRAWINGS, UNLESS NOTED OTHERWISE, SHALL BE STANDARD HOOKS AS DEFINED BY ACI 318-19 AND CRSI. STIRRUP/TIE HOOKS AND SEISMIC HOOKS NOTED ON THE DRAWINGS SHALL BE 135° HOOKS AS DEFINED BY ACI 318-19 AND CRSI.

    E. UNLESS NOTED OTHERWISE, REINFORCING STEEL SHALL HAVE THE COVER OR PROTECTION FOR THE FOLLOWING USES AS NOTED BELOW:
       a. WALLS
          - INTERIOR FACES..... 1"

CONCRETE AND REINFORCING STEEL:

11. ADDITIONAL CONCRETE ITEMS
    A. WEDGE ANCHORS OR EXPANSION BOLTS SHALL BE HILTI KB-TZ2 OR AN APPROVED EQUAL SUBMITTED WITH ICC REPORTS TO THE ENGINEER FOR REVIEW.

    B. EPOXY ANCHORS OR DOWELS SHALL BE AS INDICATED WITHIN THE DESIGN DRAWINGS. WHERE EPOXY TYPE OR ADHESIVE FOR ANCHORS INTO CONCRETE HAS NOT BEEN INDICATED WITHIN THE DRAWINGS, UTILIZE HILTI HIT-HY 200 V3 EPOXY. INSTALL ALL ADHESIVE/EPOXY ANCHORS PER MANUFACTURER'S AND ICC-ESR OR IAPMO INSTALLATION CRITERIA.

    C. ALL NON-SHRINK GROUT SHALL BE NON-METALLIC AND HAVE A MINIMUM 6000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.

    D. CONTRACTOR SHALL TAKE MEASURES TO ENSURE THAT ALL POST INSTALLED ANCHORS IN CONCRETE SHALL NOT DAMAGE OR CUT ANY EXISTING REINFORCEMENT.

    E. CHLORIDES SHALL NOT BE PRESENT IN ANY CONCRETE ADDITIVES UTILIZED.

    F. UNLESS NOTED OTHERWISE, ALL LOW VELOCITY FASTENERS (LVF) SHALL HAVE MINIMUM 3/4" EMBED INTO CONCRETE.

12. POST-INSTALLED CONCRETE ANCHORS
    A. ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS AT THE TIME OF ANCHOR INSTALLATION IN ACCORDANCE WITH ACI 318-19 17.2.2.

    B. ADHESIVE ANCHORS INSTALLED HORIZONTALLY OR UPWARDLY INCLINED SHALL BE QUALIFIED IN ACCORDANCE WITH ACI 355.4 REQUIREMENTS FOR SENSITIVITY TO INSTALLATION DIRECTION.

    C. ALL POST-INSTALLED CONNECTIONS INTO CONCRETE SHALL REQUIRE GPR (GROUND PENETRATING RADAR) OR X-RAY TO ENSURE THAT NO EXISTING STEEL IS DAMAGED DURING ANY DRILLING AND/OR ANCHOR INSTALLATION. ALL POST-INSTALLED ANCHORS TO BE A MINIMUM OF 3" AWAY FROM SCANNED INTERFERENCE. THE PORT/ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY BETWEEN THE EXISTING CONDITIONS AND CONSTRUCTION DOCUMENTS.

LAP SPLICE SCHEDULE				
BAR SIZE	F'c = 3,000 PSI			
	TOP BARS		OTHER BARS	
	CASE 1	CASE 2	CASE 1	CASE 2
#3	28	42	22	32
#4	37	56	29	43

NOTES:
1. LAP LENGTHS ARE IN INCHES AND ARE BASED ON GRADE 60 REINFORCING STEEL AND NORMAL WEIGHT CONCRETE.

2. CASE 1 AND CASE 2 ARE DEFINED AS FOLLOWS (WHERE db = BAR DIAMETER).

   A. ALL OTHERS..... CASE 1: COVER AT LEAST 1.0 db AND c.c. SPACING AT LEAST 3.0 db
   CASE 2: COVER LESS THAN 1.0 db OR c.c. SPACING LESS THAN 3.0 db

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 19495PE
OREGON NOV. 18, 1981 CLINTON J. AMBROSE
EXPIRES 12-31-27

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

GENERAL STRUCTURAL NOTES

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	C. AMBROSE
DRAWN BY	A. ROEPKE
CHECKED BY	C. AMBROSE
DATE	JULY 2026
SHEET NO.	52
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	S0.01

7/14/2026 10:21:26 AM Autodesk Docs://PDX CCD West and South Bag Claim Restroom Rehabilitation/12625 PDX Restroom Pet Relief Struct.rvt

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".

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.

light gray

dark gray

black

GENERAL STRUCTURAL NOTES

STRUCTURAL STEEL:

1. STEEL DESIGN, FABRICATION, AND ERECTION SHALL CONFORM WITH THE "AISC SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" AND THE "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES."

2. THE GRADE AND SPECIFICATION OF THE STEEL MEMBERS SHALL BE AS FOLLOWS:
   A. PLATES, AND ANGLES (U.N.O.).....ASTM A36
   B. HOLLOW STRUCTURAL SECTIONS (TUBES) .....ASTM A500 GRADE C (F_y = 50 KSI)
   C. HOLLOW STRUCTURAL SECTIONS (ROUND).....ASTM A500 GRADE C (F_y = 46 KSI)
   D. PIPES.....ASTM A53 GRADE B (F_y = 35 KSI)

3. BOLTS SHALL CONFORM TO ASTM A307, GRADE A.

4. WELDING SHALL CONFORM TO THE AWS CODES FOR BUILDING CONSTRUCTION. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH A WELDING PROCEDURE SPECIFICATION (WPS) AS REQUIRED IN AWS D1.1 AND APPROVED BY THE ENGINEER OF RECORD. THE WPS VARIABLES SHALL BE WITHIN THE PARAMETERS ESTABLISHED BY THE FILLER METAL MANUFACTURER.

5. DISCONTINUITIES CREATED BY ERRORS OR BY FABRICATION OR ERECTION OPERATIONS SUCH AS TACK WELDS, ERECTION AIDS, AIR-ARC GOUGING, AND FLAME CUTTING, SHALL BE REPAIRED AS REQUIRED BY THE ENGINEER OR RECORD.

6. WELDS SHALL UTILIZE E70XX ELECTRODES AND SHALL BE A MINIMUM OF 3/16" IN SIZE UNLESS NOTED OTHERWISE.

7. ALL FLARE BEVEL OR FLARE-V WELDS NOTED ON THE DRAWINGS SHALL BE CONSTRUCTED WITH FULL EFFECTIVE THROAT ACHIEVABLE.

8. ALL WELDS SPECIFIED ON THE DRAWINGS AS FIELD WELDS MAY BE SHOP WELDED AT CONTRACTOR'S OPTION IF STEEL ERECTION CAN STILL BE ACHIEVED.

9. PLEASE NOTE THAT IT IS THE RESPONSIBILITY OF THE STEEL ERECTOR TO ENSURE STABILITY OF THE STEEL FRAMING DURING CONSTRUCTION. ANY ADDED ERECTION AIDS THAT WILL REMAIN IN THE FINAL CONDITION SHALL BE SUBMITTED TO THE DESIGN TEAM FOR REVIEW.

10. ALL CONNECTIONS SHALL HAVE BOLT HOLE DIAMETER SIZE EQUAL TO BOLT DIAMETER + 1/16", UNLESS NOTED OTHERWISE.

COLD FORMED STEEL

1. STEEL STUDS SHALL BE OF THE SIZE, GAGE, AND SPACING SHOWN ON THE DRAWINGS UNLESS NOTED OTHERWISE. STUD AND TRACK SIZES HAVE BEEN INDICATED ON THE DRAWINGS USING THE INDUSTRY STANDARD STEEL STUD MANUFACTURERS ASSOCIATION (SSMA) DESIGNATION.

2. LIGHT GAGE SHAPES (INCLUDING STUDS, TRACKS, HAT CHANNELS, PLATE, ETC.) UTILIZING NO. 12, NO. 14, AND NO. 16 GAGE MATERIAL MUST COMPLY WITH ASTM A653 CS GRADE 50, WITH MINIMUM YIELD AND TENSILE STRENGTHS OF 50 KSI AND 65 KSI RESPECTIVELY. LIGHT GAGE SHAPES (INCLUDING STUDS, TRACKS, HAT CHANNELS, PLATE, ETC.) UTILIZING NO. 18 AND NO. 20 GAGE MATERIAL MUST COMPLY WITH ASTM A653 CS GRADE 33, WITH MINIMUM YIELD AND TENSILE STRENGTHS OF 33 KSI AND 45 KSI RESPECTIVELY.

3. LIGHT GAGE METAL FRAMING SHALL CONFORM TO AISI SPECIFICATIONS AND STANDARDS.

4. TOP AND BOTTOM WALL TRACKS TO BE SAME GAGE AS STUDS, UNLESS NOTED OTHERWISE.

5. NO CORING OR CUTTING OF STEEL STUDS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.

6. WHERE SHEATHING IS ONLY ATTACHED ON ONE SIDE OF STEEL STUDS, BRIDGING SHALL BE PLACED AT A MAXIMUM OF 48" ON CENTER PER THE STRAPPING DETAIL 10/A11.01.

7. PROVIDE BRIDGING IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS ADEQUATE FOR THE DEVELOPMENT OF THE FULL MOMENT CAPACITY OF THE STUDS. FOR LOAD BEARING STUDS, TRACK SHALL BE OVERSIZED TO PROVIDE FULL STUD BEARING.

8. SCREWS SHALL BE ELCO DRIL-FLEX OR HILTI KWIK-FLEX (UTILIZING HEX WASHER HEAD) UNLESS NOTED OTHERWISE. SCREW LENGTH SHALL BE SUFFICIENT TO PROVIDE (3) FULL DIAMETER THREADS PAST PENETRATION.

9. WELDING SHALL CONFORM WITH AWS D1.3, CURRENT EDITION.

10. UNLESS NOTED OTHERWISE, ALL STUDS SHALL ATTACH TO TRACKS WITH A MINIMUM (2) #10 SCREWS (ONE AT EACH FLANGE).

11. ALL EXPOSED LIGHT GAGE MATERIAL SHALL BE HOT DIPPED GALVANIZED.

12. THE CONTRACTOR SHALL PROVIDE A SEPARATION BARRIER BETWEEN ALL DISSIMILAR MATERIALS. THIS INCLUDES ANCHORS AND THE COMPONENTS THEY ARE ANCHORING WHICH ARE OF DISSIMILAR MATERIALS.

13. ALL SILL TRACKS SHALL BE ATTACHED AS SPECIFIED ON THE DRAWINGS. ALL SILL SEGMENTS SHALL HAVE AT LEAST (2) ANCHORS OF THE TYPE SPECIFIED. UNLESS NOTED OTHERWISE, AN ANCHOR OF THE TYPE SPECIFIED SHALL BE PLACED A MAXIMUM OF 4" FROM THE TRACK ENDS.

NO.	DATE	BY	REVISIONS	APP

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2025D031
DESIGN NUMBER

103101
PROJECT NUMBER

STRUCTURAL
REGISTERED PROFESSIONAL ENGINEER
19.495PE
OREGON
NOV. 18, 1981
CLINTON J. AMBROSE
EXPIRES 12-31-27

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

GENERAL STRUCTURAL NOTES CONTINUED

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	C. AMBROSE
DRAWN BY	A. ROEPKE
CHECKED BY	C. AMBROSE
DATE	JULY 2026
SHEET NO.	53
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	S0.02

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

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

GENERAL STRUCTURAL NOTES

GENERAL - SPECIAL INSPECTIONS

SYSTEM OR MATERIAL	OSSC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY CONTINUOUS (C) OR PERIODIC (P)	REMARKS
FABRICATORS	1705.11 1704.2.5			SPECIAL INSPECTION IS REQUIRED FOR STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES FABRICATED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTIONS SHALL BE PERFORMED DURING FABRICATION. PERFORMING SPECIAL INSPECTIONS IS NOT REQUIRED, WHERE FABRICATOR HAS BEEN APPROVED AS AN APPROVED FABRICATOR, PER SECTION 1704.2.5.1.
DEFERRED SUBMITTALS			P	SPECIAL INSPECTION REQUIREMENTS FOR DEFERRED SUBMITTAL ITEMS, INCLUDING REQUIREMENTS FOR DESIGNATED SEISMIC SYSTEMS IN ACCORDANCE WITH OSSC SECTION 1705.13.4 IF APPLICABLE, TO BE SPECIFIED BY THE SYSTEM ENGINEER AND INCLUDED WITH DEFERRED SUBMITTAL DOCUMENTS.
SUBMITTALS TO THE BUILDING OFFICIAL	1704.5		P	CERTIFICATES OF COMPLIANCE, REPORTS OF PRE-CONSTRUCTION TESTS, OR REPORTS OF MATERIAL PROPERTIES SHALL BE SUBMITTED TO THE BUILDING OFFICIAL.

CONCRETE - SPECIAL INSPECTIONS

SYSTEM OR MATERIAL	OSSC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY CONTINUOUS (C) OR PERIODIC (P)	REMARKS
POST INSTALLED ADHESIVE ANCHORS WITH SUSTAINED TENSION LOADS INSTALLED HORIZONTALLY OR AT AN UPWARD INCLINE IN HARDENED CONCRETE AND COMPLETED MASONRY		ACI 318: 17.2.5	C	
POST INSTALLED MECHANICAL ANCHORS AND ADHESIVE ANCHORS (EXCLUDING CONDITIONS NOTED ABOVE) IN HARDENED CONCRETE AND COMPLETED MASONRY		ACI 318: 17.2.5	P	

STEEL - SPECIAL INSPECTIONS

SYSTEM OR MATERIAL	OSSC CODE REFERENCE	CODE OR STANDARD REFERENCE	INSPECTION CONTINUOUS/ PERFORM (CP) OR PERIODIC/ OBSERVE (PO)	REMARKS
CONTRACTOR QUALITY CONTROL REQUIREMENTS		AISC 360 CHAPTER N	CP & PO	CONTRACTOR TO PROVIDE QUALITY CONTROL FOR ALL ITEMS INDICATED TO BE OBSERVED AND/OR PERFORMED IN TABLE BELOW
STEEL FABRICATION				
FABRICATION OF STRUCTURAL ELEMENTS	1704.2.5.1	AISC 360	PO	REFER TO INSPECTION OF FABRICATOR REQUIREMENTS
MATERIAL VERIFICATION OF STRUCTURAL STEEL COMPONENTS	1705.2.1 TABLE 1705.2	ASTM A6 ASTM STANDARDS SPECIFIED IN CONSTRUCTION DOCUMENTS AISC 360 A3.1 AISC 360 N2.1	PO	CERTIFIED MILL TEST REPORTS
MATERIAL VERIFICATION OF WELD FILLER METALS	1705.2.1.1 TABLE 1705.2-5	AISC 360 A3.5 AISC 360 N3.2 APPLICABLE AWS A5 DOCUMENTS	PO	MANUFACTURER'S CERTIFIED TEST REPORTS
STRUCTURAL STEEL WELDING				
VERIFYING USE OF PROPER WPS'S	1705.2.1 AWS D1.1	AISC 360 N3.2		RETAIN A RECORD OF WELDING PROCEDURE SPECIFICATIONS
VERIFYING WELDER QUALIFICATIONS	1705.2	AWS D1.1	PO	RETAIN A RECORD OF QUALIFICATION CARDS
SINGLE PASS FILLET WELDS LESS THAN OR EQUAL TO 5/16"	TABLE 1705.2-6a	AWS D1.1 CLAUSE 8	PO	
VERIFICATION OF JOINT & CONNECTION DETAILS INCLUDING MEMBER AND COMPONENT LOCATIONS, BRACING, AND STIFFENERS AT EACH CONNECTION	TABLE 1705.2-7	AWS D1.1	PO	

SPECIAL INSPECTIONS AND TESTING

SPECIAL INSPECTIONS SHALL CONFORM TO CHAPTER 17 OF THE 2024 "INTERNATIONAL BUILDING CODE" AND AS AMENDED BY THE STATE OF OREGON (2025 OSSC) AND EVALUATION SERVICE (ICC-ES) REPORTS AND LEGACY REPORTS. REFER TO THE TABLES ON THIS SHEET FOR SPECIAL INSPECTION AND TESTING REQUIREMENTS. REFERENCE PROJECT SPECIFICATION SECTION FOR ADDITIONAL INFORMATION ON SPECIAL INSPECTION, OBSERVATION, AND TESTING REQUIREMENTS.

INSPECTIONS SHALL BE PERFORMED BY THE OWNER'S REPRESENTATIVE.

SPECIAL INSPECTIONS AND ASSOCIATED TESTING SHALL BE PERFORMED BY AN APPROVED ACCREDITED INDEPENDENT AGENCY MEETING THE REQUIREMENTS OF ASTM E329 (MATERIALS), ASTM D3740 (SOILS), ASTM C1077 (CONCRETE), ASTM A880 (STEEL), AND ASTM E543 (NON-DESTRUCTIVE). THE INSPECTION AND TESTING AGENCY SHALL FURNISH TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE A COPY OF THEIR SCOPE OF ACCREDITATION. SPECIAL INSPECTORS SHALL BE CERTIFIED BY THE BUILDING OFFICIAL. WELDING INSPECTORS SHALL BE QUALIFIED PER SECTION 6.1.4.1.1 OF AWS D1.1. THE OWNER SHALL SECURE AND PAY FOR SERVICES OF THE INSPECTION AND TESTING AGENCY TO PERFORM ALL SPECIAL INSPECTIONS AND TESTS.

THE SPECIAL INSPECTOR SHALL OBSERVE THE INDICATED WORK FOR COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, NOTED IN THE INSPECTION REPORTS, AND IF NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER AND THE BUILDING OFFICIAL.

THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS FOR EACH INSPECTION TO THE BUILDING OFFICIAL, REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE, CONTRACTOR, AND OWNER. THE SPECIAL INSPECTION AGENCY SHALL SUBMIT A FINAL REPORT INDICATING THE WORK REQUIRING SPECIAL INSPECTION WAS INSPECTED AND IS IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS AND THAT ALL DISCREPANCIES NOTED IN THE INSPECTION REPORTS HAVE BEEN CORRECTED.

STRUCTURAL OBSERVATIONS

THE STRUCTURAL ENGINEER OF RECORD (SEOR) WILL PERFORM STRUCTURAL OBSERVATIONS BASED ON THE REQUIREMENTS OF THE OSSC AT THE STAGES OF CONSTRUCTION LISTED BELOW. CONTRACTOR SHALL PROVIDE SUFFICIENT ADVANCED NOTICE AND ACCESS FOR THE SEOR TO PERFORM THESE OBSERVATIONS.

ITEM	COMMENTS
AS REQUIRED TO ADDRESS STRUCTURAL ISSUES	

A FIELD REPORT WILL BE SUBMITTED TO THE BUILDING DEPARTMENT FOLLOWING EACH SITE VISIT.

STRUCTURAL OBSERVATION IS FOR THE GENERAL CONFORMANCE OF THE STRUCTURAL DRAWINGS AND DOES NOT ALLEVIATE ANY SPECIAL INSPECTION REQUIREMENTS.

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.

light gray
dark gray
black

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 19495PE
OREGON NOV. 18, 1997 CLINTON J. AMBROSE
EXPIRES 12-31-27

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
STATEMENT OF SPECIAL INSPECTION

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	C. AMBROSE
DRAWN BY	A. ROEPKE
CHECKED BY	C. AMBROSE
DATE	JULY 2026
SHEET NO.	54
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	S0.03

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.

SHEET NOTES:

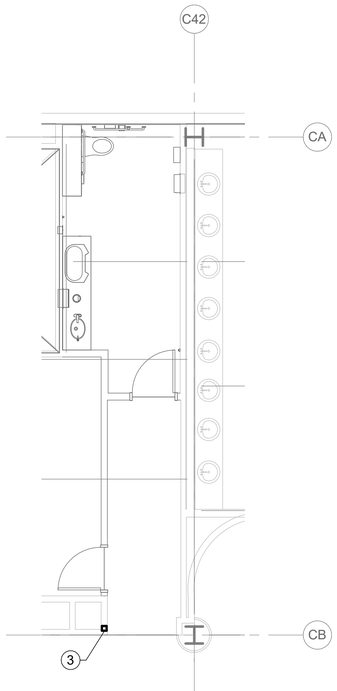
1. COORDINATE OPENINGS IN THE FLOOR WITH MEP DRAWINGS.
2. REFERENCE 8/S6.00 FOR FLOOR INFILL DETAIL.
3. REFERENCE 9/S6.00 FOR NEW OPENING IN FLOOR DETAIL.

KEYNOTES:

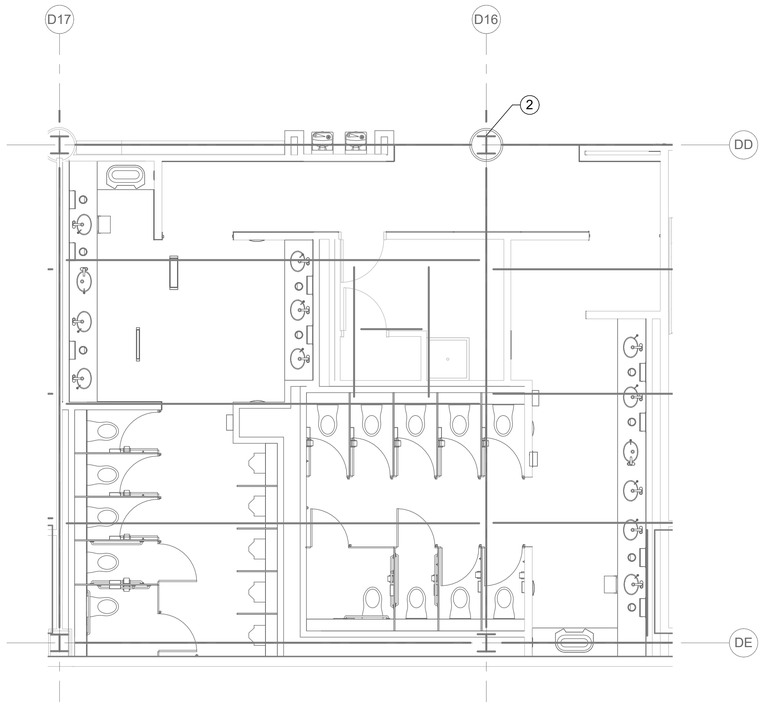
1 ADD BLOCKING IN WALL AT LOCATIONS OF TABLE ATTACHMENT. FIELD VERIFY STUD THICKNESS. REFERENCE DETAIL 1/S6.00

2 REFRENCE DETAIL 5/S6.00 FOR SIGN SUPPORT DETAIL. REF. ARCH FOR SIGNAGE INFORMATION.

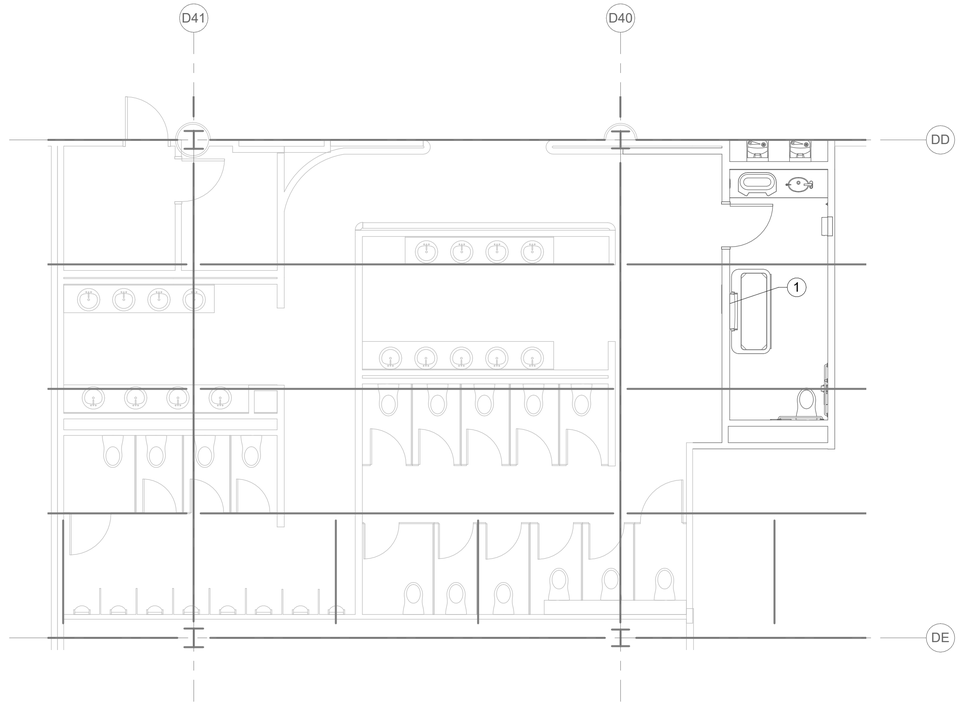
3 HSS 4x4x1/4 POST TO UNDERSIDE OF W18 BEAM ABOVE AT NEW SIGNAGE. REF. DETAILS 3 & 4/S6.00 FOR HSS CONNECTION DETAILS AND 6/S6.00 FOR SIGN SUPPORT. REF. ARCH FOR SIGNAGE INFORMATION.



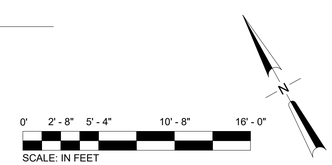
1 ENPLANING LEVEL - CONCOURSE C - PARTIAL PLAN - C2039
SCALE: 3/16" = 1'-0"



2 ENPLANING LEVEL - CONCOURSE D - PARTIAL PLAN - D2221, D2222, D2223
SCALE: 3/16" = 1'-0"



3 ENPLANING LEVEL - CONCOURSE D - PARTIAL PLAN - D24020
SCALE: 3/16" = 1'-0"



SCALE: IN FEET

DRAWING SCALE IS REDUCED 90% WHEN SHEET SIZE IS 11" x 17".
GRAPHIC SCALE-FOR REFERENCE ONLY
0 1/4" 1/2" 1" 2"

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NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 19,495PE
OREGON NOV. 18, 1997 CLINTON J. AMBROSE
EXPIRES 12-31-27

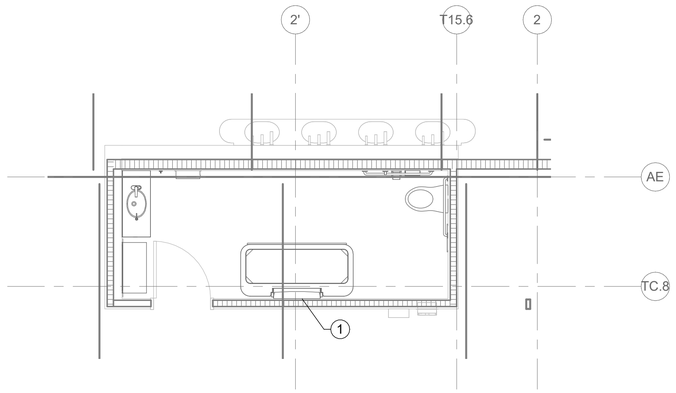
PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

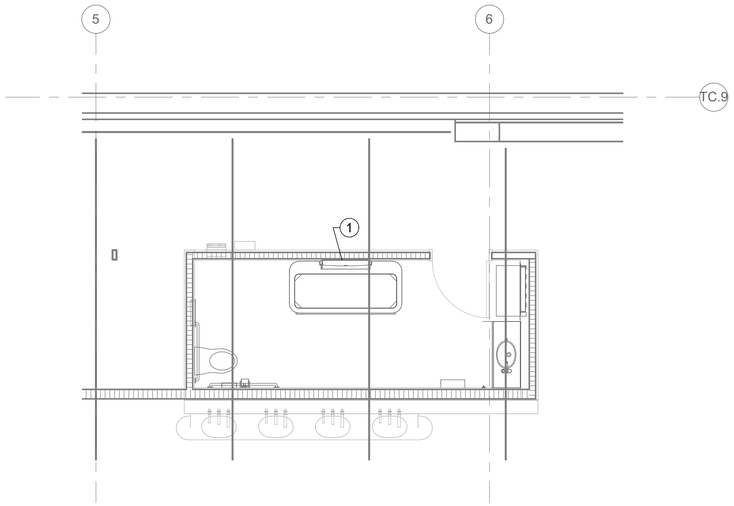
CONCOURSES C AND D PARTIAL PLANS

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	C. AMBROSE
DRAWN BY	A. ROEPKE
CHECKED BY	C. AMBROSE
DATE	JULY 2026
SHEET NO.	55
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	S2.00

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.



1 TERMINAL - PARTIAL PLAN - T2TC66
SCALE: 1/4" = 1'-0"



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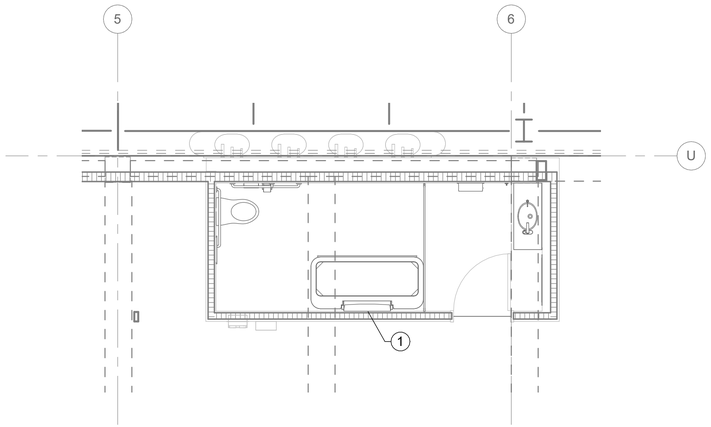
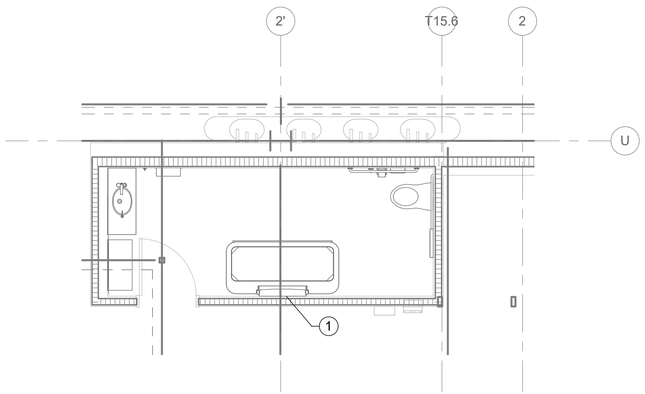
SCALE: 1/4" = 1'-0"



3 TERMINAL - PARTIAL PLAN - T2TQ48
SCALE: 1/4" = 1'-0"



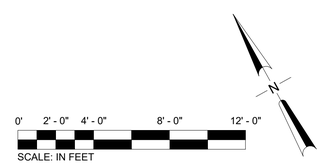
4 TERMINAL - PARTIAL PLAN - T2TQ66
SCALE: 1/4" = 1'-0"

SHEET NOTES:

1. COORDINATE OPENINGS IN THE FLOOR WITH MEP DRAWINGS.
2. REFERENCE 8/S6.00 FOR FLOOR INFILL DETAIL.
3. REFERENCE 9/S6.00 FOR NEW OPENING IN FLOOR DETAIL.

KEYNOTES:

1 ADD BLOCKING IN WALL AT LOCATIONS OF TABLE ATTACHMENT. FIELD VERIFY STUD THICKNESS. REFERENCE DETAIL 1/S6.00



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

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NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 19,495PE
OREGON NOV. 18, 1997 CLINTON J. AMBROSE
EXPIRES 12-31-27

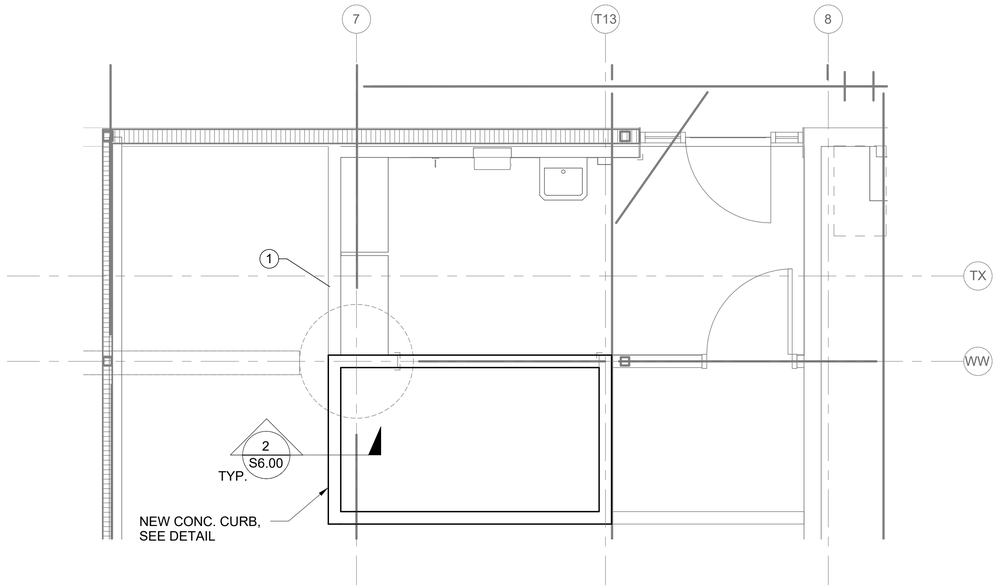
PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

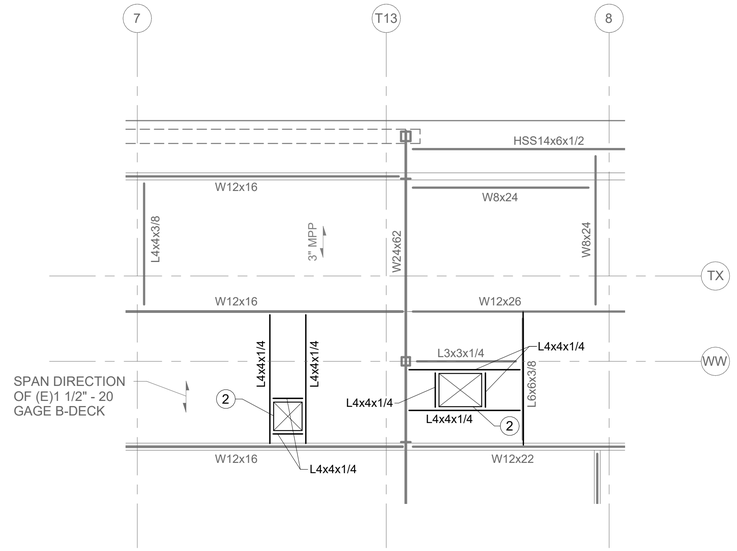
TERMINAL PARTIAL PLANS 1

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	C. AMBROSE
DRAWN BY	A. ROEPKE
CHECKED BY	C. AMBROSE
DATE	JULY 2026
SHEET NO.	56
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	S2.01

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 TERMINAL - ENPLANING - PARTIAL PLAN - T2TS40
SCALE: 3/8" = 1'-0"



2 TERMINAL - PARTIAL LID PLAN - T2TS40
SCALE: 3/8" = 1'-0"

SHEET NOTES:

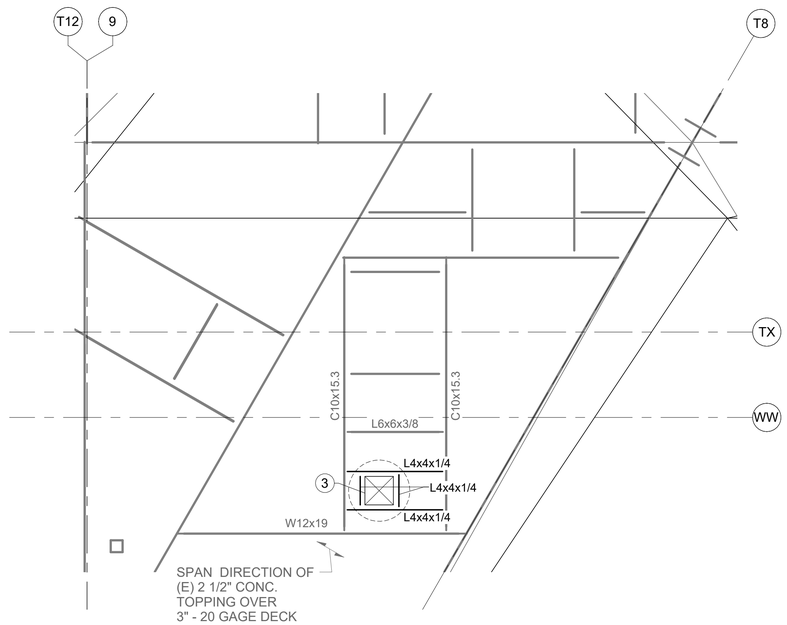
1. COORDINATE OPENINGS IN THE FLOOR AND ROOF WITH MEP DRAWINGS.
2. REFERENCE 8/S6.00 FOR FLOOR INFILL DETAIL.
3. REFERENCE 9/S6.00 FOR NEW OPENING IN FLOOR DETAIL.

KEYNOTES:

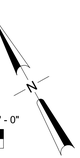
1 SEE DETAIL 4/S6.01 FOR METAL STUD ORIENTATION AND BLOCKING REQUIREMENTS AT ADA BENCH SUPPORT BRACKETS, COORDINATE WITH BENCH MANUFACTUER

2 NEW OPENING IN ROOF DECKING AT NEW MECH. DUCT, REFERENCE DETAIL 1-3/S6.01 FOR FRAMING DETAILS.

3 NEW OPENING IN COMPOSITE ROOF DECKING AT NEW MECH. DUCT, REFERENCE DETAIL 2/S6.01 FOR FRAMING DETAILS.



3 TERMINAL - SECTOR E1 - PARTIAL ROOF PLAN
SCALE: 3/8" = 1'-0"



0' 2' - 0" 4' - 0" 8' - 0" 12' - 0"
SCALE: IN FEET

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NO.	DATE	BY	REVISIONS	APP'D

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 19495PE
OREGON NOV. 18, 1997 CLINTON J. AMBROSE
EXPIRES 12-31-27

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

TERMINAL PARTIAL PLANS 2

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	C. AMBROSE
DRAWN BY	A. ROEPKE
CHECKED BY	C. AMBROSE
DATE	JULY 2026
SHEET NO.	57
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	S2.02

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

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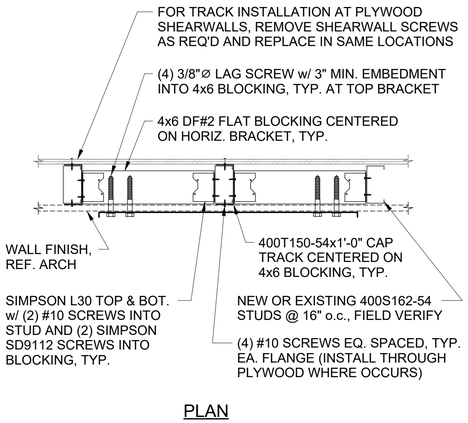
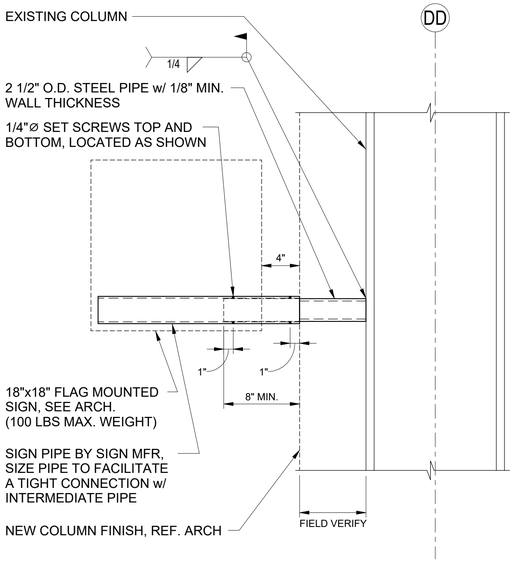
NOTE:
BOTTOM BRACKET CONSISTS OF (2) INDIVIDUAL BRACKETS. PROVIDE (1) 3/8"⌀ LAG SCREW w/ 3" MIN. EMBEDMENT INTO 4x6 BLOCKING, TYP. AT EA. BOT. BRACKET



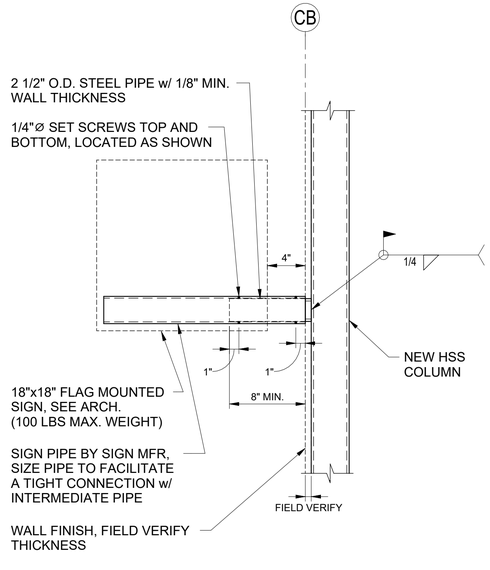
PLAN

1 CHANGING TABLE WALL ANCHORAGE DETAIL
SCALE: 1 1/2" = 1'-0"



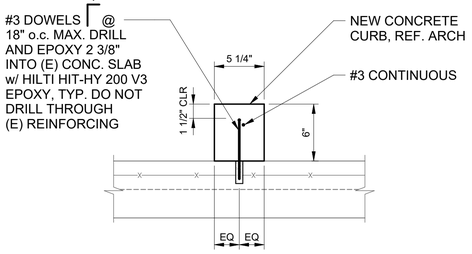
NOTES:
1. PROVIDE BOND BREAK FOR SEPARATION OF STEEL AND ALUMINUM MATERIALS.

5 FM2 SIGN SUPPORT AT WF COLUMN
SCALE: 1 1/2" = 1'-0"

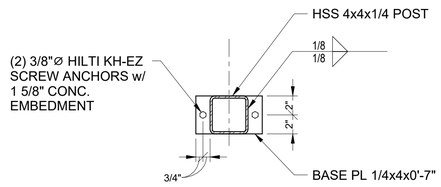


NOTES:
1. PROVIDE BOND BREAK FOR SEPARATION OF STEEL AND ALUMINUM MATERIALS.

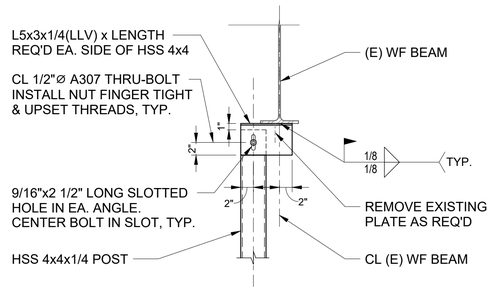
6 FM2 SIGN SUPPORT AT HSS COLUMN
SCALE: 1 1/2" = 1'-0"



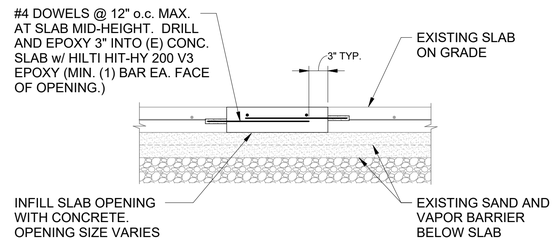
2 CONCRETE CURB DETAIL
SCALE: 1 1/2" = 1'-0"



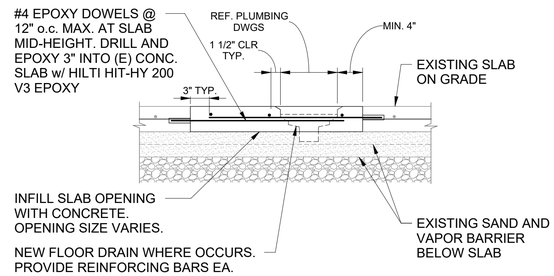
4 HSS POST BASE
SCALE: 1 1/2" = 1'-0"



3 HSS 4x4 POST TOP CONNECTION
SCALE: 1" = 1'-0"



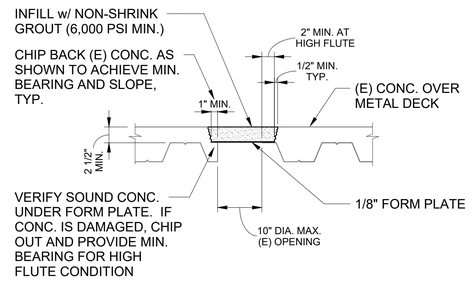
SLAB ON GRADE INFILL



SLAB ON GRADE INFILL AT NEW PLUMBING

NOTE: REFERENCE ARCH. AND MEP DRAWINGS FOR LOCATIONS OF SLAB OPENINGS IN THE BAGGAGE CLAIM RESTROOMS T1TE04 AND T1TE06.

7 INFILL AT CONCRETE SLAB ON GRADE
SCALE: 1" = 1'-0"

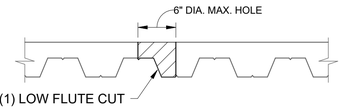


8 NEW OPENINGS IN EXIST'G COMPOSITE DECK FLOOR
SCALE: 1" = 1'-0"

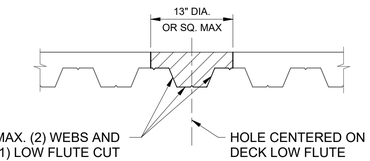
CORE DRILLED HOLES IN EXISTING COMPOSITE DECK FLOOR

NOTES:
1. CONTRACTOR SHALL LOCATE EXISTING REINFORCING STEEL IN CONCRETE TOPPING USING GPR OR OTHER ACCEPTABLE MEANS PRIOR TO CORE DRILLING. DO NOT DRILL THROUGH EXISTING REINFORCING STEEL. EDGE OF HOLES SHALL BE 1 1/2" CLEAR FROM EDGE OF EXISTING SLAB REINFORCING, TYP.
2. LOCATE HOLES MIN. 3" FROM FLANGE OF EXISTING BEAMS.

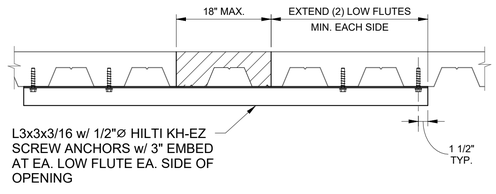
A. CORES TO 6" MAX. LOCATED AT RANDOM
NO REINFORCING REQUIRED



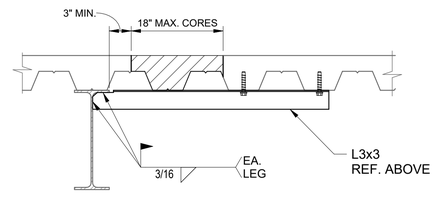
B. CORES TO 6" TO 13" MAX. CENTERED ON LOW FLUTE
NO REINFORCING REQUIRED



C. REINFORCED CORES TO 18" MAX.



D. REINFORCED CORES TO 18" MAX.: REINFORCING AT BEAM CONFLICT
REFERENCE ITEM C ABOVE OF ADDITIONAL INFORMATION



9 NEW OPENINGS IN EXIST'G COMPOSITE DECK FLOOR
SCALE: 1" = 1'-0"

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

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

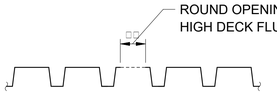
STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 19495PE
OREGON NOV. 18, 1997 CLINTON J. AMBROSE
EXPIRES 12-31-27

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
STRUCTURAL FRAMING DETAILS

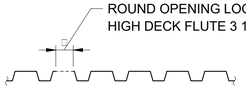
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	C. AMBROSE
DRAWN BY	A. ROEPKE
CHECKED BY	C. AMBROSE
DATE	JULY 2026
SHEET NO.	58
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	S6.00

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

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.

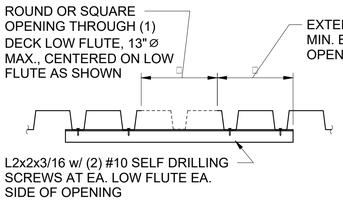


3" TYPE N ROOF DECK

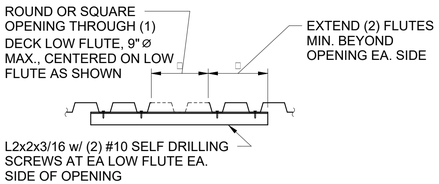


1 1/2" TYPE HSB

ROOF DECK OPENINGS WITHOUT REINFORCING



3" TYPE N ROOF DECK



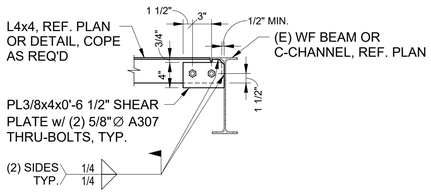
1 1/2" TYPE HSB

ROOF DECK OPENINGS WITH REINFORCING

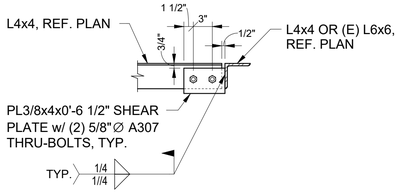
NOTE: OPENINGS LARGER THAN THOSE SHOWN OR OPENINGS THOUGH MORE THAN (1) DECK LOW FLUTE MAY REQUIRE ADDITIONAL REINFORCING / SUB-FRAMING. SUBMIT FOR ENGINEER REVIEW.

1 ROOF DECK OPENINGS
SCALE: 1" = 1'-0"

NOTE:
DECKING AS OCCURS, REF. PLAN (NOT SHOWN FOR CLARITY)

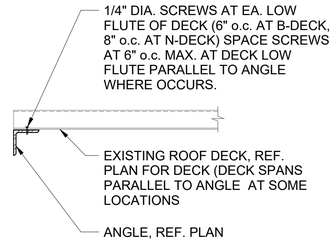


ANGLE TO WF BEAM CONNECTION

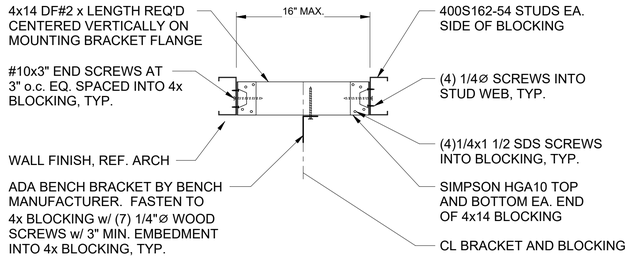


ANGLE TO ANGLE CONNECTION

2 ANGLE TO WF OR ANGLE TO ANGLE
SCALE: 1" = 1'-0"



3 ANGLE AT DECK PENETRATION
SCALE: 1" = 1'-0"



PLAN

4 ADA BENCH BRACKET BLOCKING DETAIL
SCALE: 1 1/2" = 1'-0"

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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Tel 503.243.6682, www.abht-structural.com

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 19495PE
OREGON NOV. 18, 1987 CLINTON J. AMBROSE
EXPIRES 12-31-27

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

STRUCTURAL FRAMING DETAILS

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	C. AMBROSE
DRAWN BY	A. ROEPKE
CHECKED BY	C. AMBROSE
DATE	JULY 2026
SHEET NO.	59
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	S6.01

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

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

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STANDARD MECHANICAL ABBREVIATIONS:

AFF	ABOVE FINISHED FLOOR
APD	AIR PRESSURE DROP
APPROX	APPROXIMATELY
ARCH	ARCHITECT(URAL)
AUTO	AUTOMATIC
BDD	BACKDRAFT DAMPER
BF	BOOSTER FAN
BI	BACKWARD INCLINED
BLDG	BUILDING
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNITS PER HOUR
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CLG	CEILING OR COOLING
CONC	CONCRETE
CONN	CONNECT(ION)
CONT	CONTINUE(ED)(UATION)
CL	CENTERLINE
DDC	DIRECT DIGITAL CONTROL
DEFL	DEFLECTION
DIA	DIAMETER
DN	DOWN
DP	DEW POINT
DWG	DRAWING
EA	EXHAUST AIR
EAD	EXHAUST AIR DAMPER
EAT	ENTERING AIR TEMPERATURE
EDB	ENTERING DRY BULB
EFF	EFFICIENCY
EFT	ENTERING FLUID TEMPERATURE
ELEC	ELECTRIC(AL)
ELEV	ELEVATION
ENGR	ENGINEER
EQ	EQUAL
EQUIP	EQUIPMENT
ESP	EXTERNAL STATIC PRESSURE
EWB	ENTERING WET BULB
EWT	ENTERING WATER TEMPERATURE
EX	EXTRACTOR
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
F	DEGREES FAHRENHEIT
FC	FORWARD CURVED
FD	FIRE DAMPER
FIG	FIGURE
FILT	FILTER
FLEX	FLEXIBLE
FPD	FLUID PRESSURE DROP
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FEET/FOOT
FTR	FINNED TUBE RADIATOR
FU	FIXTURE UNIT
FUT	FUTURE
FV	FACE VELOCITY
GA	GAGE/GAUGE
GAL	GALLON
GALV	GALVANIZED
GE	GREASE EXHAUST
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
H	HEIGHT
HORIZ	HORIZONTAL
HP	HORSEPOWER
HTG	HEATING
ID	INSIDE(DIAMETER/DIMENSION)
IE	INVERT ELEVATION
IN	INCH(ES)
INSUL	INSULATION
ISOL	ISOLAT(OR)(ION)
KW	KILOWATT
KWH	KILOWATT HOUR
L	LENGTH
LAT	LEAVING AIR TEMP
LB	POUND
LDB	LEAVING DRY BULB
LF	LINEAR FEET
LFT	LEAVING FLUID TEMPERATURE
LVG	LEAVING
LWB	LEAVING WET BULB
LWT	LEAVING WATER TEMPERATURE
MA	MAKEUP AIR
MAX	MAXIMUM
MBH	THOUSAND BTU PER HOUR
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
OA	OUTSIDE AIR
OAD	OUTSIDE AIR DAMPER
OC	ON CENTER DISTANCE
OSA	OUTSIDE AIR
OSHPD	OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
PC	PUMPED CONDENSATE
PH	PHASE
PI	PRESSURE INDEPENDENT
PSI	POUNDS PER SQUARE INCH
R (RAD)	RADIUS
RA	RETURN AIR
RAD	RETURN AIR DAMPER
REV	REVISION
RH	RELATIVE HUMIDITY
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SCFM	STANDARD CUBIC FEET PER MINUTE
SD	SMOKE DAMPER
SECT	SECTION
SENS	SENSIBLE
SIM	SIMILAR
SP	STATIC PRESSURE
SPEC	SPECIFICATION
SQ	SQUARE
SF	SQUARE FOOT(FEET)
SQ IN	SQUARE INCH(ES)
SS	STAINLESS STEEL
STL	STEEL
STRU	STRUCTUR(E)(AL)
SWP	SINGLE WALL PLENUM
TA	TRANSFER AIR
TEMP	TEMPERATURE
TSP	TOTAL STATIC PRESSURE
TYP.	TYPICAL
V	VOLTS
VD	VOLUME DAMPER
VEL	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THROUGH ROOF
W	WIDTH
WG	WATER GAUGE
WPD	WATER PRESSURE DROP
WTD	WATER TEMPERATURE DROP
WTR	WATER TEMPERATURE RISE
W/	WITH
W/O	WITHOUT

NOTES:

1. THIS IS A STANDARD LEGEND SHEET, THEREFORE, SOME SYMBOLS MAY APPEAR ON THIS SHEET THAT DO NOT APPEAR ON THE DRAWINGS.
2. DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT ATTEMPT TO SHOW ALL REQUIRED OFFSETS, BENDS, OR ELBOWS NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. COORDINATE WITH OTHER TRADES AND PROVIDE NECESSARY FITTINGS FOR A COMPLETE AND OPERATIONAL SYSTEM.
3. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

HVAC PIPING:

D	D	DRAIN (CONDENSATE/INDIRECT)
ICW	ICW	INDUSTRIAL COLD WATER (MAKE-UP)
CHWS	CHWS	CHILLED WATER SUPPLY
CHWR	CHWR	CHILLED WATER RETURN
HWS	HWS	HEATING WATER SUPPLY
HWR	HWR	HEATING WATER RETURN
RS	RS	REFRIGERANT SUCTION
RL	RL	REFRIGERANT LIQUID
GLS	GLS	GLYCOL SUPPLY
GLR	GLR	GLYCOL RETURN

CONTROL SYMBOLS:

- DAMPER WITH OPERATOR
- 2-WAY CONTROL VALVE
- 3-WAY CONTROL VALVE
- (DO) DIGITAL OUTPUT FROM DDC PANEL
- (DI) DIGITAL INPUT TO DDC PANEL
- (AO) ANALOG OUTPUT FROM DDC PANEL
- (AI) ANALOG INPUT TO DDC PANEL
- DP DIFFERENTIAL PRESSURE SWITCH
- VP VELOCITY PRESSURE TRANSMITTER
- ES DAMPER END SWITCH
- AMS AIR MONITORING STATION
- VPP VELOCITY PRESSURE PROBE
- SMK DUCT SMOKE DETECTOR
- FM WATER FLOW METER WITH ELECTRONIC TRANSMITTER
- PB PUSH BUTTON SWITCH
- DP DIFFERENTIAL PRESSURE SENSOR/TRANSMITTER
- PT PRESSURE TRANSMITTER
- H ELECTRONIC HUMIDITY TRANSMITTER
- HL DUCT MOUNTED HIGH LIMIT HUMIDISTAT
- T ELECTRONIC TEMPERATURE SENSOR
- FS FLOW SWITCH
- T ELECTRONIC SENSOR WITH AVERAGING
- SP DUCT STATIC PRESSURE SENSOR/TRANSMITTER
- CO_2 CARBON DIOXIDE SENSOR

MISCELLANEOUS SYMBOLS:

A	ACCESS PANEL	K	CAP EXISTING / CAP FOR FUTURE
C	CONNECT TO EXISTING	R	REPLACE
D	ABANDON IN PLACE	X	REMOVE EXISTING
E	EXISTING TO REMAIN	1	KEY NOTE
RE	RELOCATE EXISTING		

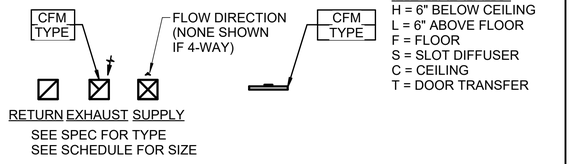
CALL OUT SYMBOLS

WALL MOUNTED
PENDANT MOUNTED

- T TEMPERATURE
- H HUMIDITY
- OCC OCCUPANCY
- CO CARBON MONOXIDE
- CO_2 CARBON DIOXIDE
- NOX NITROGEN OXIDE

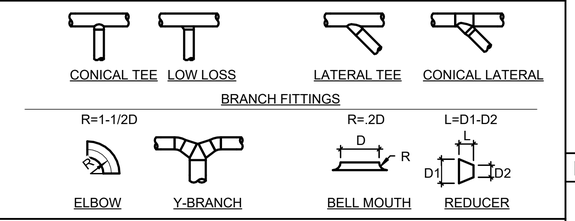
ROOM SENSORS

DUCT LEGEND:

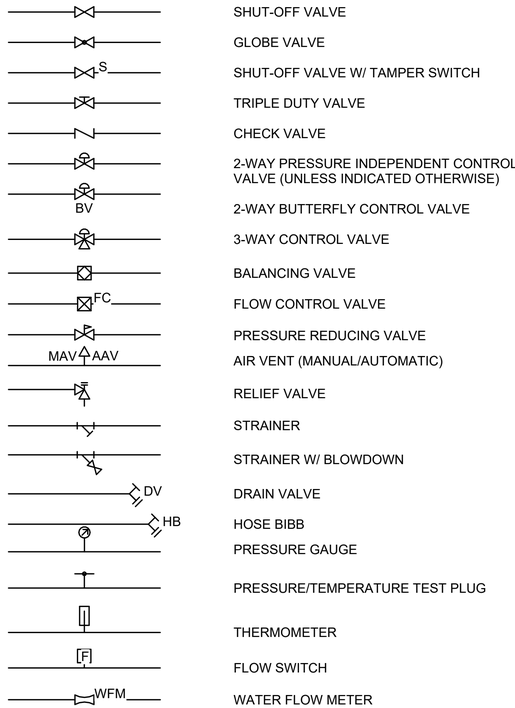


- RETURN OR EXHAUST AIR FLOW
- SUPPLY OR OUTSIDE AIR FLOW
- UC 1/2" UNDERCUT DOOR

MEDIUM PRESSURE DUCTWORK



MISC. VALVES & COCKS:



STANDARD CONTROL SYSTEM LEGEND

POINT TYPE

AI	ANALOG INPUT
AO	ANALOG OUTPUT
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
BV	BINARY VARIABLE
AV	ANALOG VARIABLE

ALARM TRIGGERS

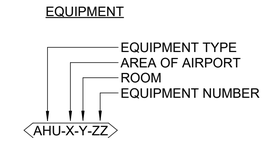
HL	HIGH LEVEL/LIMIT
LL	LOW LEVEL/LIMIT
S	STATUS
SP	OUT OF SETPOINT

ALARM TYPE

E	EMAIL
T	TEXT
W	WORKSTATION

EQUIPMENT LEGEND:

EQUIPMENT



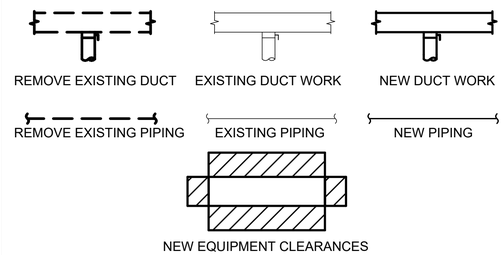
AREA OF AIRPORT

A	CONCOURSE A
B	CONCOURSE B
C	CONCOURSE C
D	CONCOURSE D
E	CONCOURSE E
T	TERMINAL
RCC	RENTAL CAR
P3	PARKING GARAGE 3

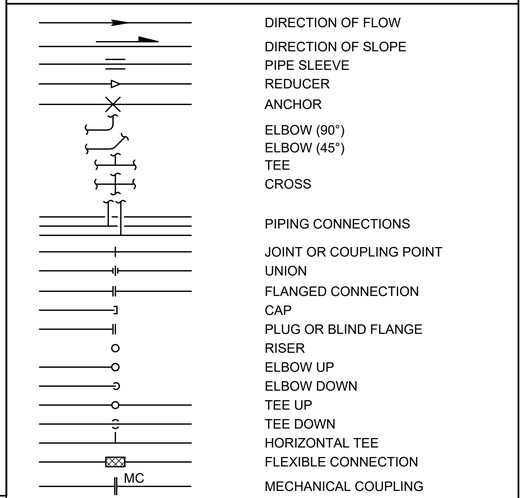
LEVEL

0	TUNNEL LEVEL
1	DEPLANING LEVEL
2	ENPLANING LEVEL
3	MEZZANINE LEVEL/ROOF
4	PENTHOUSE/ROOF
5	ROOF

DEMO, NEW, AND EXISTING WORK:



MISC. FITTINGS & SYMBOLS:



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
76752PE
OREGON
MAR. 08, 2005
NED M. GREENE
EXPIRES: 06/30/2027

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

SYMBOLS, LEGENDS, & ABBREVIATIONS - MECHANICAL

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	M. GIOVAGNOLI
DRAWN BY	S. CARTER
CHECKED BY	M. BRUNE
DATE	JULY 2026
SHEET NO.	60
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	M0.01

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.

DESIGN CONDITIONS - PORTLAND, OR:

SPACE	WINTER		SUMMER	
	TEMPERATURE	HUMIDITY	TEMPERATURE	HUMIDITY
OUTDOOR	25.9˚ F DB	11.0˚ F DP / 9.6 HR / 31.7 ˚ F MCDB	91.7˚ F DB / 67.4˚ F MCWB	63.2˚ F DP / 87.0 HR / 75.1˚ F MCDB
CONCOURSE CONNECTOR	70˚ F ± 2˚ F DB	60% RH MAX, NO MINIMUM	75˚ F ± 2˚ F DB	60% RH MAX, NO MINIMUM
BAGGAGE CLAIM	70˚ F ± 2˚ F DB	60% RH MAX, NO MINIMUM	75˚ F ± 2˚ F DB	60% RH MAX, NO MINIMUM
IDF/MDF/SERVER	75˚ F ± 2˚ F DB	60% RH MAX, NO MINIMUM	75˚ F ± 2˚ F DB	60% RH MAX, NO MINIMUM
FP/PLUMBING	40˚ F ± 2˚ F DB	60% RH MAX, NO MINIMUM	-	-
ELECTRICAL	70˚ F ± 2˚ F DB	60% RH MAX, NO MINIMUM	75˚ F ± 2˚ F DB	60% RH MAX, NO MINIMUM
MECHANICAL	70˚ F ± 2˚ F DB	60% RH MAX, NO MINIMUM	75˚ F ± 2˚ F DB	60% RH MAX, NO MINIMUM

FAN SCHEDULE:

TAG	LOCATION	SERVICE		DESIGN CFM	ESP (IN)	FAN (RPM)	MOTOR HP	MOTOR VOLT/ PHASE	MOTOR GENERATOR POWER	DRIVE TYPE	VFD	APPROX. WEIGHT (LBS)	MANUFACTURER & MODEL	KEY NOTE(S)
EF-T-T2TSE5-01	ROOF	SERVICE ANIMAL RELIEF AREA	UPBLAST	600	0.6	1500	1/4	120/1	NO	DIRECT	NO	110	GREENHECK CUE 120VG	1,2
EF-D-303	ROOF	COUNCOURSE D WEST RESTROOMS	DOWNBLAST	2970	0.5	852	1	480/3	NO	DIRECT	NO	120	GREENHECK G 180VG	1,2
EF-CE-304	ROOF	CONCOURSE C FAMILY RESTROOM	DOWNBLAST	4090	1	1049	1.5	480/3	NO	DIRECT	NO	155	GREENHECK G 200VG	1,2
EF-D401	ROOF	CONCOURSE D RESTROOMS	DOWNBLAST	2940	0.75	1278	2	460/3	NO	DIRECT	NO	150	GREENHECK G 160VG	1,2
(E) EF-T-5-01	PENT. ROOF	GENERAL EXHAUST - SECTOR 42 / CANINE UNIT	-	6600	1.25	767	3	480/3	NO	-	-	200	-	-

KEY NOTE(S):
1. PROVIDE FAN WITH EC MOTOR AND ELECTRICAL DISCONNECT.
2. CONFIGURE TO MATCH CURRENT CURB AND ROOF OPENING OR PROVIDE CURB ADAPTER.

PRE-DEMOLITION AND RETRO COMMISSIONING SCOPE OF WORK:

GENERAL		SCOPE OF WORK APPLIES TO EXISTING HVAC SYSTEMS THAT ARE BEING ALTERED DURING THE COURSE OF THIS PROJECT. INTENT IS TO DOCUMENT EXISTING SYSTEM CAPACITIES, CONFIRM OPERATING CONDITIONS OF EXISTING TO REMAIN EQUIPMENT, AND VERIFY AIRFLOW REQUIREMENTS CAN BE MET THROUGH EXISTING DUCTWORK.
DOCUMENTATION	PRE-DEMOLTION	PROVIDE WRITTEN REPORT DOCUMENTING TESTING OF EXISTING SYSTEMS AND AIRFLOWS. PROVIDE AS SUBMITTAL FOR PORT REVIEW.
	PROJECT CLOSE-OUT	PROVIDE FINAL REPORT INCLUDING FINDINGS, CORRECTIVE ACTIONS TAKEN, AND ANY CONTROL LOGIC MODIFICATIONS. PROVIDE AS SUBMITTAL AND INCLUDE IN CLOSEOUT DOCUMENTATION.
INSPECTION/TESTING	EXISTING DUCTWORK	VISUALLY INSPECT ALL DUCTWORK. VERIFY PROPER INSTALLATION. REPORT ANY ISSUES WITH EXISTING DUCTWORK INCLUDING BUT NOT LIMITED TO DAMAGE TO SHEET METAL, INSULATION, DAMPERS, CONNECTION POINTS, OR CONFLICTS WITH OTHER SYSTEMS. INCLUDE FINDINGS IN PRE-DEMOLITONAL SUBMITTAL FOR PORT REVIEW.
	EXISTING EQUIPMENT	VISUALLY INSPECT ALL EXISTING EQUIPMENT. CONFIRM NAMEPLATE DATA, FLOWRATE, PRESSURE, MOTOR HP, MOTOR AMP READINGS, RPM, OPERATION BHP, VFD HZ, AND SHEAVE POSITION IF BELT DRIVEN FAN. INCLUDE FINDINGS IN PRE-DEMOLITONAL SUBMITTAL FOR PORT REVIEW.
		VISUALLY INSPECT ALL CONTROL SYSTEM INPUT AND OUTPUT DEVICES. VERIFY PROPER INSTALLATION AND LOCATION OF ALL DEVICES. VERIFY POINT TO POINT COMMUNICATION TO/FROM EACH DEVICE. REPORT ANY ISSUES OR EQUIPMENT THAT NEEDS REPAIRS TO PORT. INCLUDE FINDINGS IN PRE-DEMOLITONAL SUBMITTAL FOR PORT REVIEW.
		INSPECT DAMPER, ACTUATOR CALIBRATION, POSITION FEEDBACK, REHEAT VALVE FUNCTIONALITY, AND VISUALLY INSPECT EACH COILS. INCLUDE FINDINGS IN PRE-DEMOLITONAL SUBMITTAL FOR PORT REVIEW.

TERMINAL UNIT SCHEDULE:

TAG	SECTOR	LOCATION	SERVICE	SYSTEM	PRIMARY AIR INLET (IN)	PRIMARY AIR MAX CFM	PRIMARY AIR HEATING CFM	PRIMARY AIR MIN CFM	HYDRONIC COIL MBH	HYDRONIC COIL GPM	HYDRONIC COIL BRANCH PIPE SIZE (IN)	MANUFACTURER & MODEL	KEY NOTE(S)
VVR-ED-53	D02	ENPLANNING	D2222-RESTROOM MEN	(E) AHU-D-306	10	840	420	420	8.4	0.9	3/4	TITUS DESV	-
VVR-T-131	E05	DEPLANNING	T1TE04-RESTROOM WOMEN - BAG CLAIM	(E) AHU-T-407	10	700	365	175	4.9	0.5	3/4	TITUS DESV	-
VVR-T-133	E05	DEPLANNING	T1TE06-RESTROOM MEN BAG CLAIM	(E) AHU-T-407	10	700	365	175	4.7	0.5	3/4	TITUS DESV	-
(E) VV-CE-224	C05	ENPLANING	C2038-ELEC	(E) AHU-CE-303	-	500	-	-	-	-	-	-	1
(E) VVR-CE-229	C05	ENPLANING	C2039-FAMILY RESTROOM	(E) AHU-CE-303	-	985	560	240	-	-	-	-	1

NOTE(S):
1. PRIMARY AIR TEMPERATURE 55°F (SUMMER), 65°F (WINTER) UNLESS OTHERWISE NOTED.
2. HYDRONIC HEATING COIL CAPACITY BASED ON 140°F ENTERING WATER TEMPERATURE AND 120°F LEAVING WATER TEMPERATURE.

KEY NOTE(S)
1. RETRO COMMISSION EXISTING TERMINAL UNIT PRIOR TO COMMENCEMENT OF WORK. REFER TO PRE-DEMOLITION AND RETRO COMMISSIONING SCOPE OF WORK SCHEDULE.

KEY:
VV = VARIABLE AIR VOLUME TERMINAL UNIT
VVR = VARIABLE AIR VOLUME TERMINAL UNIT WITH REHEAT COIL

DIFFUSERS AND GRILLES SCHEDULE:

TAG	TYPE	DESCRIPTION	AIRFLOW RANGE MIN (CFM)	AIRFLOW RANGE MAX (CFM)	FACE SIZE T-BAR (IN)	FACE SIZE HARD LID (IN)	MAX NC	THROW (FT)	MANUFACTURER & MODEL	KEY NOTE(S)
C-1	CEILING SUPPLY DIFFUSER	PERFORATED FACE, MODULAR CORE, ADJUSTABLE 4-WAY THROW	0	125	24x24	13x13	12	2-2-5	TITUS PMC	-
			126	220	24x24	15x15	17	2-3-6		
			221	345	24x24	17x17	21	3-4-8		-
			346	500	24x24	19x19	24	3-5-9		-
			501	875	24x24	23x23	28	4-6-11		-
C-2	CEILING RETURN/ EXHAUST GRILLE	PERFORATED FACE, STEEL, ROUND DUCT CONNECTION	0	340	24x24	12x12	17	-	TITUS PAR	-
			341	780	24x24	17x17	22	-		-
			781	1,125	24x24	20x20	24	-		-
			1,129	1,670	24x24	24x24	26	-		-
			1,671	3,500	24x48	24x48	25	-		-
C-3	CEILING TRANSFER GRILLE	PERFORATED FACE, STEEL, ROUND DUCT CONNECTION	0	600	24x24	24x24	-	-	TITUS PAR	-
S-1	CEILING SUPPLY SLOT DIFFUSER	CONTINEOUS SLOT, INSULATED PLENUM, ADJUSTABLE HIGH THROW PATTERN CONTROLLER	0	50	Lx6.75	Lx6.75	13	9-14-20	TITUS FL-30	1,2,3
S-2	CEILING RETURN/EXHAUST SLOT DIFFUSER	CONTINEOUS SLOT, INSULATED RETURN HOOD, LIGHT SHIELD	0	50	Lx6.75	Lx6.75	16	-	TITUS FL-30	1,2,3
H-3	SIDEWALL TRANSFER/EXHAUST GRILLE	45 DEGREES, SINGLE DEFLECTION, HORIZONTAL BLADES WITH 3/4 SPACING.	REFER TO FLOOR PLANS FOR LENGTH						TITUS 23 RL	-

NOTE(S):
1. NOISE CRITERIA (NC) BASED ON ROOM ABSORPTION OF 10 dB, MEASURED PER ANSI/ASHRAE STANDARD 70.
2. THROW VALUES GIVEN FOR TERMINAL VELOCITIES 150, 100, AND 50 FPM FOR ISOTHERMAL CONDITIONS.
3. ADJUST THROW DIRECTION AND QUANTITY PRIOR TO AIR BALANCING.
4. USE DIMENSIONS SHOWN IN DESCRIPTION UNLESS OTHERWISE NOTED ON THE DRAWINGS.
5. MODELS SHOWN THAT DEVIATE FROM PORT STANDARD HAVE BEEN SELECTED TO MATCH TCORE FINISHES.

KEY NOTE(S):
1. ONE 3-INCH SLOT.
2. AIRFLOW RANGE REPRESENTS CFM PER LINEAR FOOT OF SLOT DIFFUSER
3. REFER TO ARCHITECTURAL RCP FOR LENGTH OF SLOT DIFFUSER. PROVIDE PLENUM TO MATCH PERFORMANCE LISTED AND BLANK-OFF INACTIVE PORTIONS OF SLOT.

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 76752PE OREGON MAR. 08, 2005 NED M. GREENE

EXPIRES: 06/30/2027

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

EQUIPMENT SCHEDULE 1 - MECHANICAL

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	M. GIOVAGNOLI
DRAWN BY	S. CARTER
CHECKED BY	M. BRUNE
DATE	JULY 2026
SHEET NO.	61
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	M0.02

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

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.

EXISTING AIR HANDLING UNIT SCHEDULE:

			TAG	(E) AHU-T-407	AHU-CE-301/302	(E) AHU-D-305/306
			LOCATION	ROOF	PENTHOUSE	PENTHOUSE
			SERVICE	SE BAG CLAIM	CONCOURSE C EAST	CONCOURSE D
			TYPE	VAV	VAV	VAV
			CONSTRUCTION	EXISTING	EXISTING	EXISTING
SUPPLY FAN	FAN(S)	AIRFLOW	(CFM)	45,000	34,000	42,500
		FAN	TYPE	---	---	---
		TSP	(IN WG)	---	---	---
		ESP	(IN WG)	---	---	---
		SPEED	(RPM)	---	---	---
		FAN	QUANTITY	1	---	---
	MOTOR	TOTAL BHP		71.3	---	---
		TOTAL HP		100	---	---
		VOLT/PHASE		460/3	---	---
		VFD	(Y/N)	Y	---	---
MIXING BOX	MAX	OSA	(CFM)	45,000	11,700	---
	MIN	OSA	(CFM)	10,510	3,500	6,500
FILTERS	FILTERS	PRE	(MERV)	8	---	---
		FINAL	(MERV)	14	---	---
	(FUTURE)	CARBON	(Y/N)	---	---	---
RETURN/ EXHAUST FAN	FAN(S)	AIRFLOW	CFM	---	---	36,000
		FAN	TYPE	---	---	---
		TSP	(IN WG)	---	---	---
		ESP	(IN WG)	---	---	---
		SPEED	(RPM)	---	---	---
		FAN	QUANTITY	1	---	---
	MOTOR	TOTAL BHP		14.2	---	---
		TOTAL HP		20	---	---
		VOLT/PHASE		460/3	---	---
		VFD	(Y/N)	Y	---	---
			QTY	1	---	---
HYDRONIC HEATING COIL		AIRFLOW	(CFM)	---	---	---
		EAT	(°F)	---	---	---
		LAT	(°F)	---	---	---
		GPM		---	---	---
		MBH		---	---	---
		EWT	(°F)	140	140	140
		LWT	(°F)	100	100	100
HYDRONIC COOLING COIL		EAT	(°F DB/WB)	---	---	---
		LAT	(°F DB/WB)	---	---	---
		GPM		---	---	---
		TOTAL MBH / SENSIBLE MBH		---	---	---
		EWT	(°F)	---	42	42
		LWT	(°F)	---	60	60
KEY NOTE(S)				---	---	---

NOTE(S):

1. SCHEDULE INCLUDED FOR REFERENCE ONLY.

KEY NOTE(S):

1. UPDATE MINIMUM OUTSIDE AIR VALUES IN BMS BASED ON INSTALLED EXHAUST FANS AND INCLUDE IN BALANCING REPORT.

EXISTING HEAT RECOVERY VENTILATORS:

			TAG	(E) HRV-T-T4TN80-01	(E) HRV-T-T4TE80-01
			LOCATION	PENTHOUSE - NORTH	PENTHOUSE - SOUTH
			SERVICE	ENP RESTROOMS	ENP RESTROOMS
			TYPE	HEAT RECOVERY VENTILATOR	HEAT RECOVERY VENTILATOR
			CONSTRUCTION	CUSTOM	CUSTOM
THE PORT VOLUNTARY OSHPD CERTIFICATION				YES	YES
SUPPLY FAN	FAN(S)	AIRFLOW	(CFM)	7,600	7,600
		FAN	TYPE	PLENUM	PLENUM
		TSP	(IN WG)	2.9	2.9
		ESP	(IN WG)	1.5	1.5
		SPEED	(RPM)	1,702	1,702
		FAN	QUANTITY	2	2
		FAN EFF.	(FEG)	85	85
	MOTOR	TOTAL BHP		4.92	4.92
		TOTAL HP		6	6
		EACH FAN BHP		2.46	2.46
		EACH FAN HP		3.0	3.0
		VOLT/PHASE		480/3	480/3
		VFD	(Y/N)	YES	YES
			QTY	1 @ 7.5 HP	1 @ 7.5 HP
MIXING BOX	MAX	OSA	(CFM)	7,600	7,600
	CODE MIN	OSA	(CFM)	7,600	7,600
FILTERS	FILTERS	PRE	(MERV)	8	8
		FINAL	(MERV)	---	---
	(FUTURE)	CARBON	(Y/N)	N	N
RETURN/ EXHAUST FAN	FAN(S)	AIRFLOW	CFM	7,600	7,600
		FAN	TYPE	PLENUM	PLENUM
		TSP	(IN WG)	2.6	2.6
		ESP	(IN WG)	1.0	1.0
		SPEED	(RPM)	1,646	1,646
		FAN	QUANTITY	2	2
		FAN EFF.	(FEG)	85	85
	MOTOR	TOTAL BHP		4.43	4.43
		TOTAL HP		5	5
		EACH FAN BHP		2.2	2.2
		EACH FAN HP		2.5	2.5
		VOLT/PHASE		480/3	480/3
		VFD	(Y/N)	YES	YES
			QTY	1 @ 5 HP	1 @ 5 HP
HEAT RECOVERY		OSA	CFM	7,600	7,600
		EXHAUST	CFM	7,600	7,600
		TYPE		FLAT PLATE	FLAT PLATE
	WINTER	OSA EAT	(°F DB)	25.9	25.9
		OSA LAT	(°F DB)	54.7	54.7
		EXH EAT	(°F DB)	70	70
		EFF.	(%)	66	66
HEAT RECOVERY	SUMMER	OSA EAT	(°F DB)	91.7	91.7
		OSA LAT	(°F DB)	84	84
		EXH EAT	(°F DB)	87.8	87.8
		EFF.	(%)	65	65
ELECTRICAL	FANS	FLA	(A)	15.5	15.5
		MCA	(A)	16.5	16.5
	GENERATOR POWER		(YES/NO)	NO	NO
APPROXIMATE WEIGHT			(LBS)	10,000	10,000
MANUFACTURER AND MODEL				TEMTROL	TEMTROL
KEY NOTE(S)				---	---

NOTE(S):

1. SCHEDULE INCLUDED FOR REFERENCE ONLY.

KEY NOTE(S):

1. UPDATE MINIMUM OUTSIDE AIR VALUES IN BMS BASED ON INSTALLED EXHAUST FANS AND INCLUDE IN BALANCING REPORT.

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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503.226.2921 pae-engineers.com

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 76752PE OREGON MAR. 08, 2005 NED M. GREENE

EXPIRES: 06/30/2027

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

EQUIPMENT SCHEDULE 2 - MECHANICAL

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	M. GIOVAGNOLI
DRAWN BY	S. CARTER
CHECKED BY	M. BRUNE
DATE	JULY 2026
SHEET NO.	62
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	M0.03

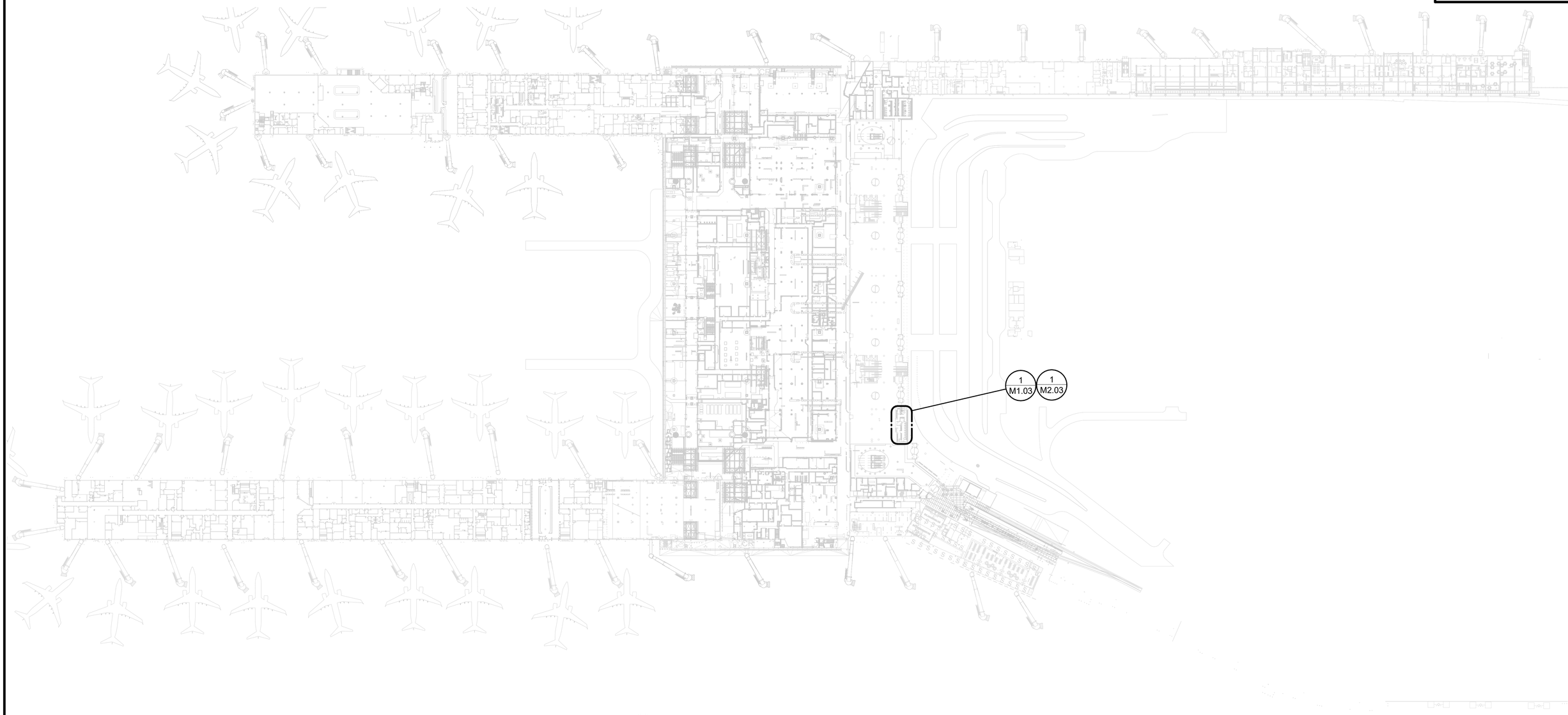
light gray
dark gray
black

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.

N

0" 50' 100' 200' 300'

SCALE: IN FEET



1 DEPLANING - KEY PLAN - MECHANICAL
SCALE: 1" = 100'-0"

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
76752PE
OREGON
MAR. 08, 2005
NED M. GREENE
EXPIRES: 06/30/2027

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

DEPLANING LEVEL - KEY PLAN - MECHANICAL

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	M. GIOVAGNOLI
DRAWN BY	S. CARTER
CHECKED BY	M. BRUNE
DATE	JULY 2026
SHEET NO.	63
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	M0.10

7/14/2026 1:18:45 PM Autodesk Docs://PDX CCD West and South Bag Claim Restroom Rehabilitation/25-2116 PDX Restroom SARA Upgrade MEP25.rvt

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

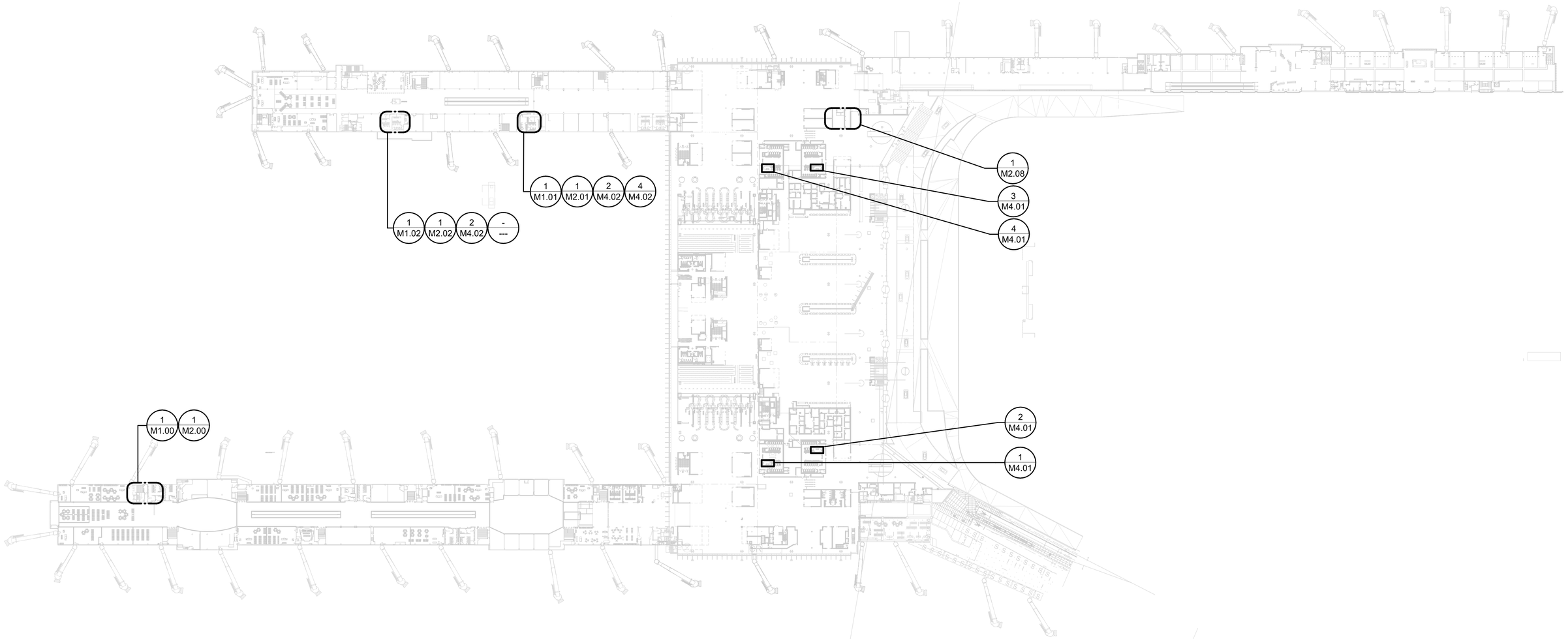
DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".

light gray
dark gray
black

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.

0" 50' 100' 200' 300'

SCALE: IN FEET



1 ENPLANING - KEY PLAN - MECHANICAL
SCALE: 1" = 100'-0"

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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OREGON
MAR. 08, 2005
NED M. GREENE
EXPIRES: 06/30/2027

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

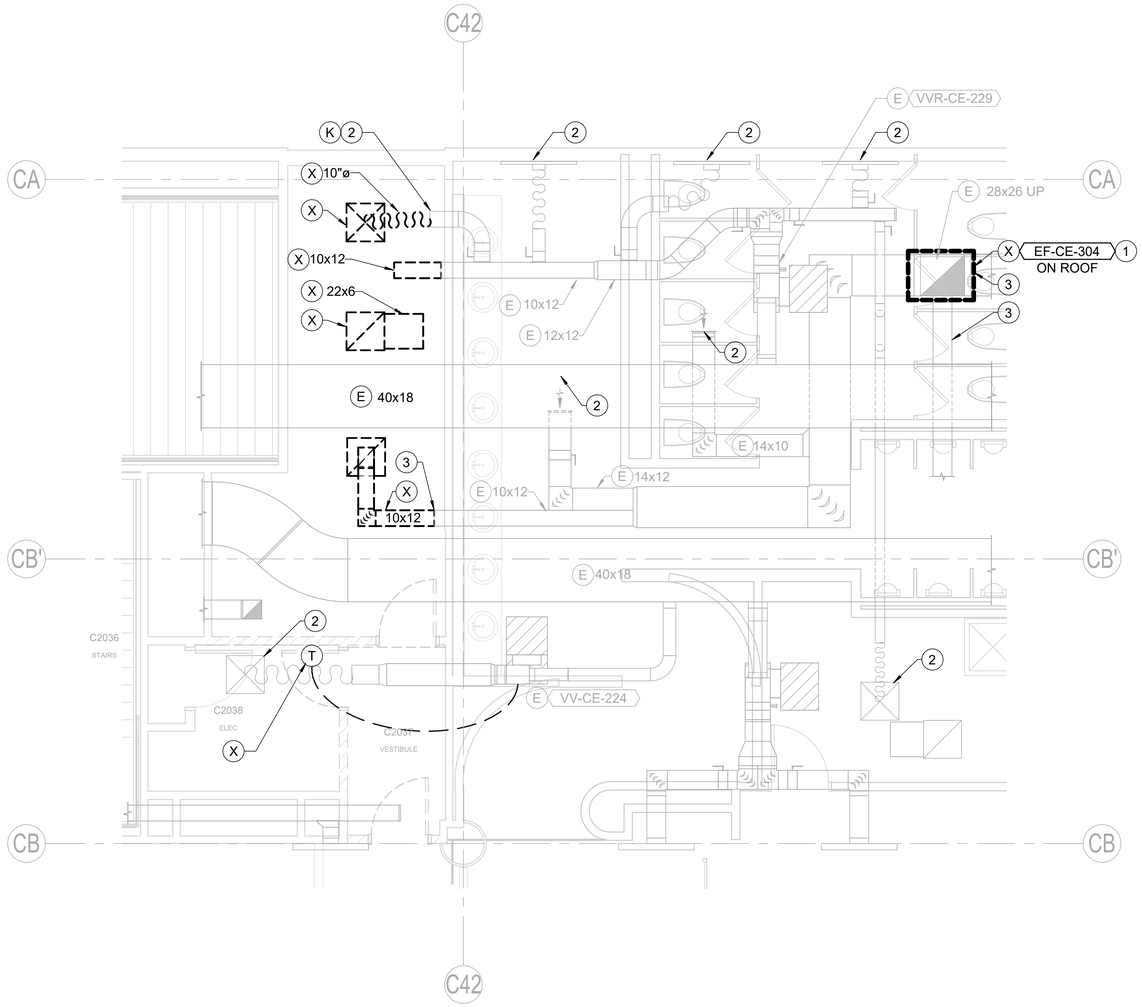
ENPLANING LEVEL - KEY PLAN - MECHANICAL

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	M. GIOVAGNOLI
DRAWN BY	S. CARTER
CHECKED BY	M. BRUNE
DATE	JULY 2026
SHEET NO.	64 TYPE CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	M0.20

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.

0' 2' 4' 8' 12'

SCALE: IN FEET



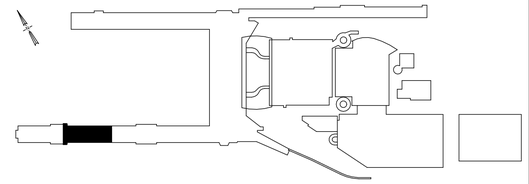
1 CONCOURSE C - SECTOR 5 - C2039 - ENPLANING - DEMO PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"

NOTES

1. EXISTING CONDITIONS BASED ON DOCUMENTATION FROM PDX 1996-0535.
2. NOTIFY THE PORT IF EXISTING CONDITIONS DO NOT MATCH WHAT IS SHOWN ON THE DRAWINGS.

KEY NOTES (#)

1. DEMOLISH EXISTING EXHAUST FAN AND ACCESSORIES. PREPARE EXISTING ROOF CURB FOR REUSE WITH NEW FAN.
2. PRIOR TO SYSTEM DEMOLITION, MEASURE AIRFLOW AT LOCATION AND SUBMIT TO THE PORT FOR REVIEW.
3. PRIOR TO SYSTEM DEMOLITION MEASURE EXHAUST BRANCH DUCT AIRFLOW AT LOCATION INDICATED AND SUBMIT TO THE PORT FOR REVIEW.



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
76752PE
OREGON
MAR. 08, 2005
NED M. GREENE
EXPIRES: 06/30/2027

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

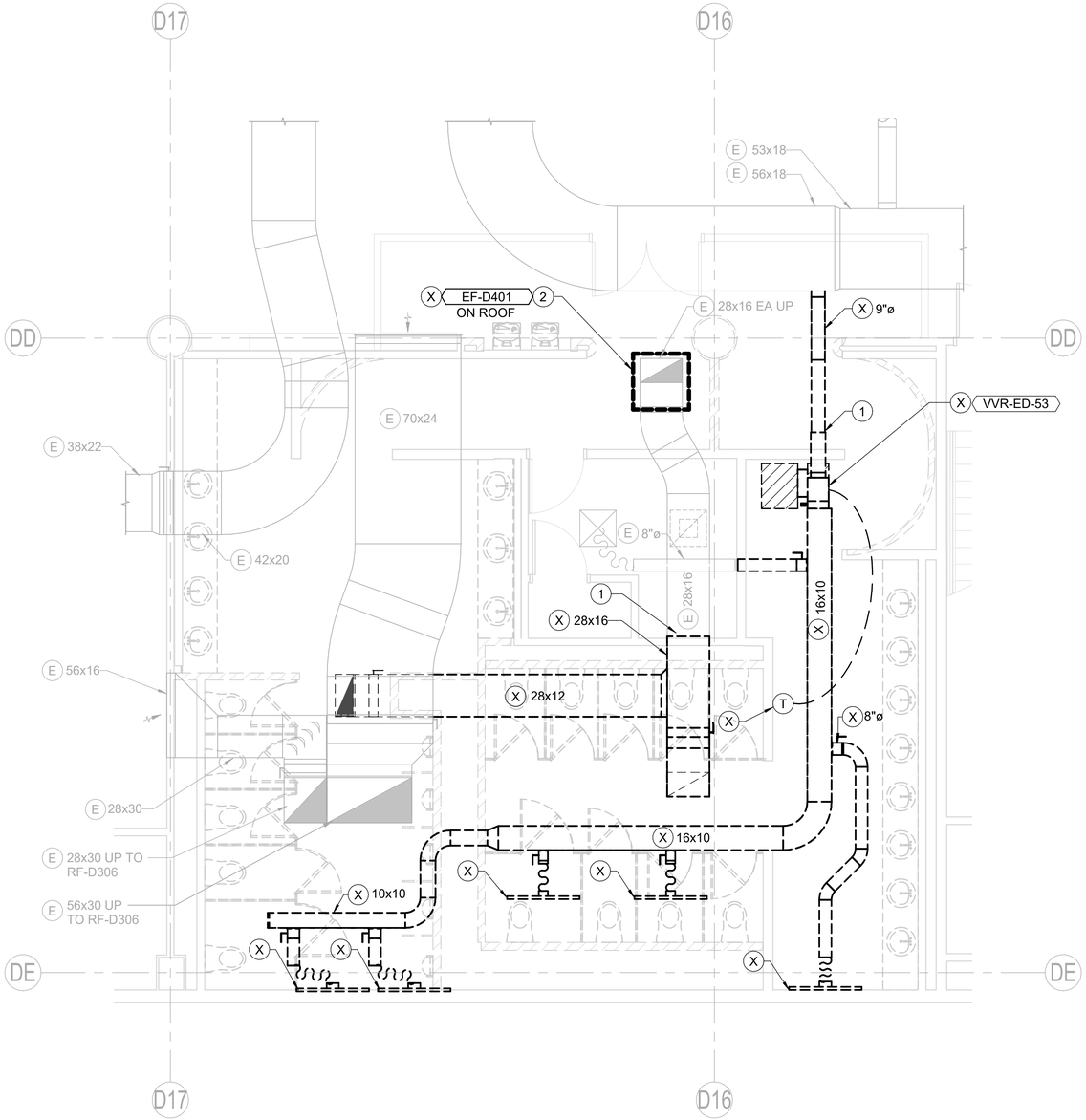
CONCOURSE C - ENPLANING - SECTOR 5 - C2039 - DEMO PLAN - MECHANICAL

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	M. GIOVAGNOLI
DRAWN BY	S. CARTER
CHECKED BY	M. BRUNE
DATE	JULY 2026
SHEET NO.	65
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	M1.00

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.

0' 2' 4' 8' 12'

SCALE: IN FEET



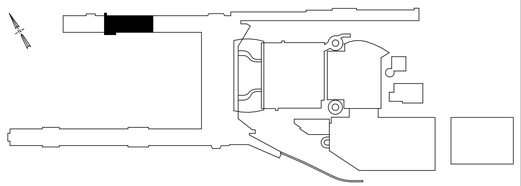
1 CONCOURSE D - SECTOR 2 - D2221, D2222, D2223 - ENPLANING - DEMO PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"

NOTES

1. EXISTING CONDITIONS BASED ON DOCUMENTATION FROM PDX 2007-0514 AND PDX 1993-500.
2. NOTIFY THE PORT IF EXISTING CONDITIONS DO NOT MATCH WHAT IS SHOWN ON THE DRAWINGS.

KEY NOTES (#)

1. PRIOR TO SYSTEM DEMOLITION PROVIDE TRANSVERSE AIRFLOW MEASUREMENT AND SUBMIT TO PORT.
2. DEMOLISH EXISTING EXHAUST FAN AND ACCESSORIES. PREPARE EXISTING ROOF CURB FOR REUSE WITH NEW FAN.



NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 76752PE OREGON MAR. 08, 2005 NED M. GREENE

EXPIRES: 06/30/2027

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE D - ENPLANING - SECTOR 2 - D2221, D2222, D2223 - DEMO PLAN - MECHANICAL

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	M. GIOVAGNOLI
DRAWN BY	S. CARTER
CHECKED BY	M. BRUNE
DATE	JULY 2026
SHEET NO.	66
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	M1.01

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

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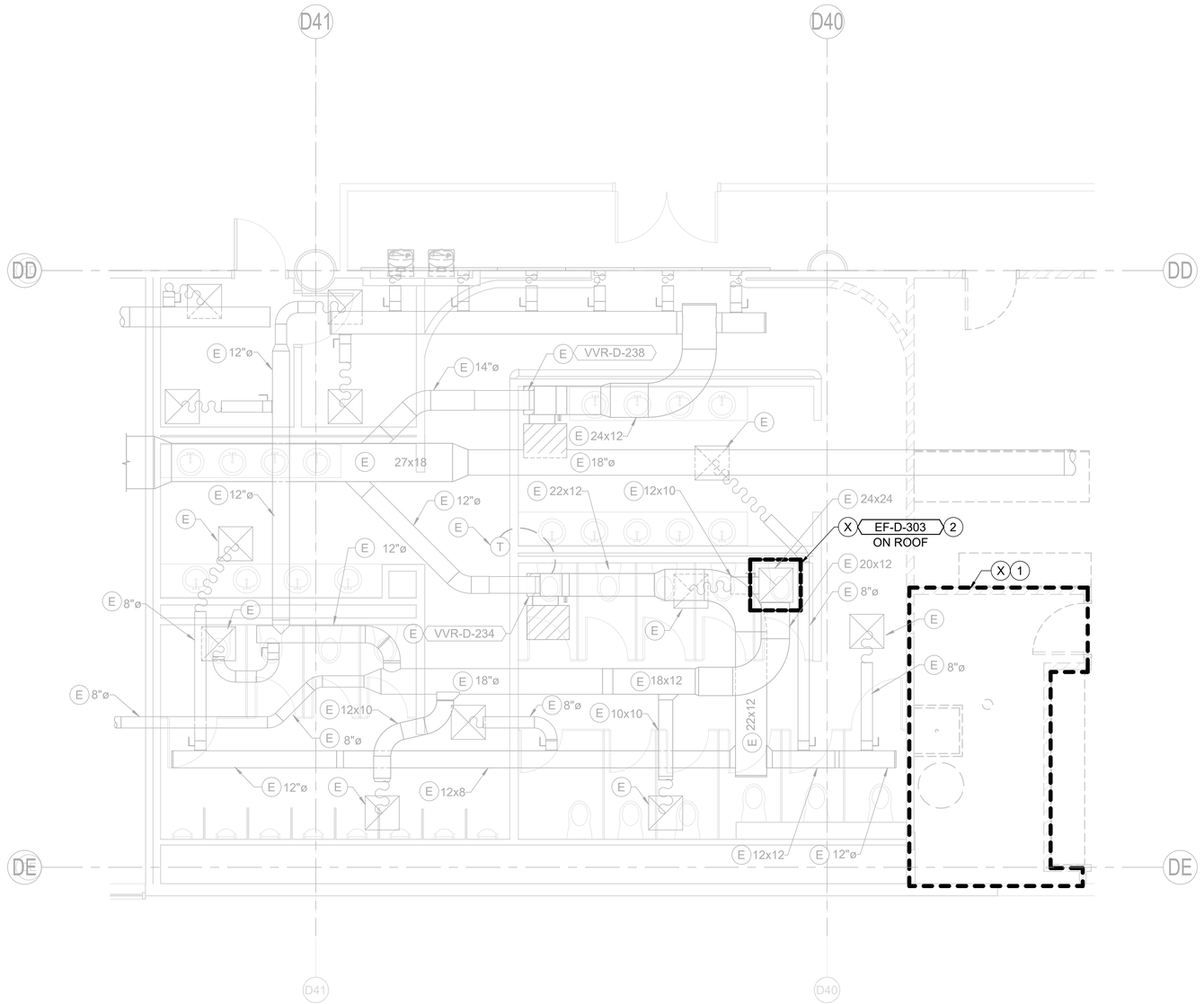
0' 2' 4' 8' 12'

SCALE: IN FEET



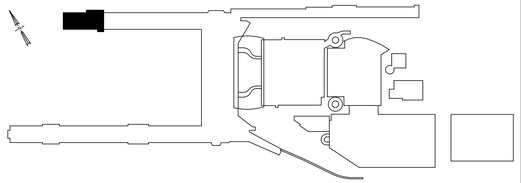
1 CONCOURSE D - SECTOR 3 - D2646, D2647 - ENPLANING - DEMO PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"

NOTES

1. EXISTING CONDITIONS BASED ON DOCUMENTATION FROM PDX 2016-504, PDX 2007-0514, AND PDX 1996-0535.
2. NOTIFY THE PORT IF EXISTING CONDITIONS DO NOT MATCH WHAT IS SHOWN ON THE DRAWINGS.

KEY NOTES (#)

1. ABANDONED KITCHEN DEMOLITION SCOPE: DEMOLISH ALL DUCTWORK SERVING SPACE BACK TO ACTIVE MAIN AND CAP.
2. DEMOLISH EXISTING EXHAUST FAN AND ACCESSORIES. PREPARE ROOF CURB FOR REUSE WITH NEW FAN.



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

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 76752PE OREGON MAR. 08, 2005 NED M. GREENE

EXPIRES: 06/30/2027

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE D - ENPLANING - SECTOR 3 - D2646, D2647 - DEMO PLAN - MECHANICAL

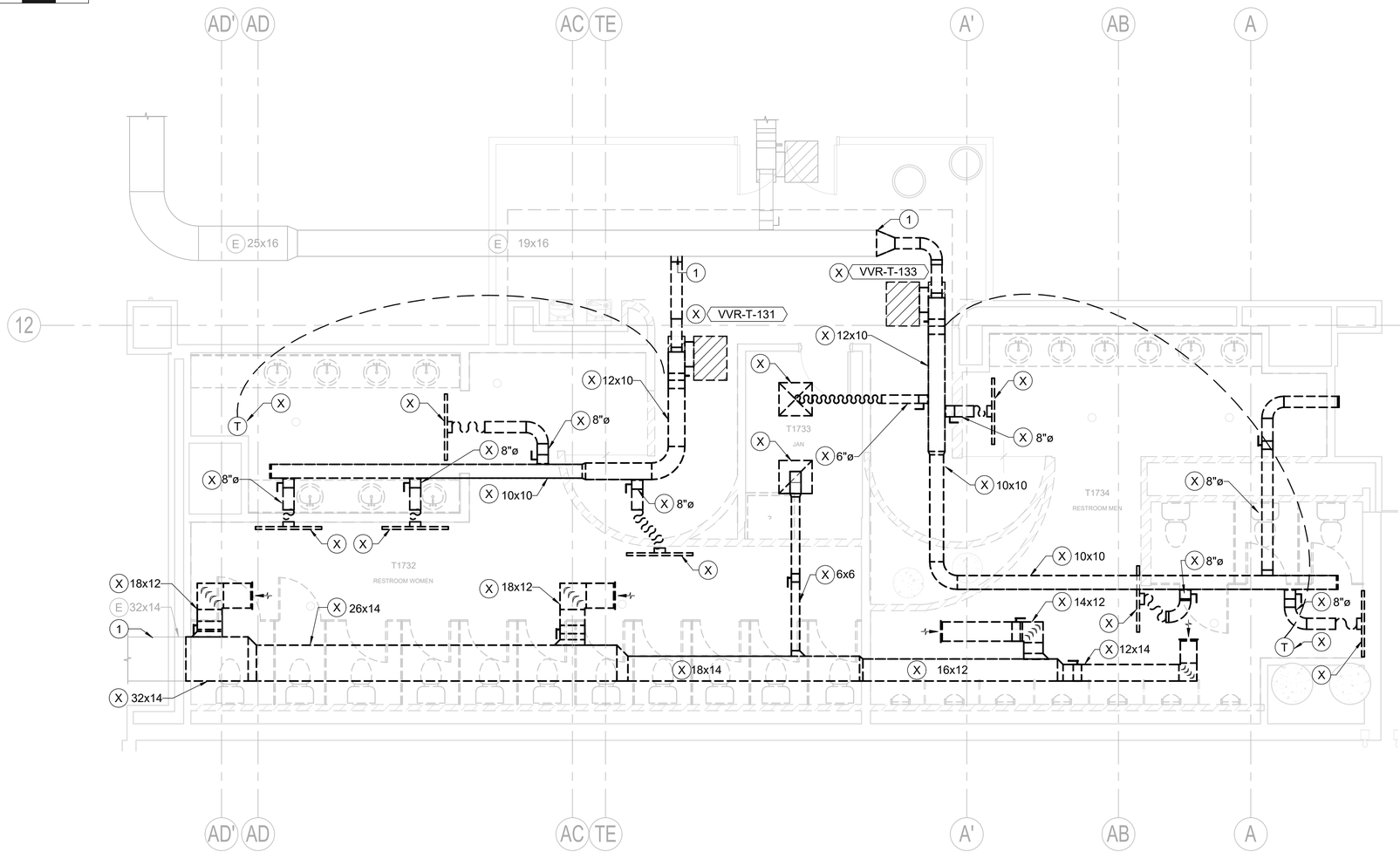
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	M. GIOVAGNOLI
DRAWN BY	S. CARTER
CHECKED BY	M. BRUNE
DATE	JULY 2026
SHEET NO.	67
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	M1.02

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.

light gray | dark gray | black

0' 2' 4' 8' 12'

SCALE: IN FEET



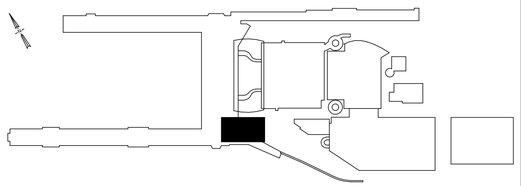
1 TERMINAL - SECTOR E5 - T1732, T1733, T1734 - DEPLANING - DEMO PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"

NOTES

1. EXISTING CONDITIONS BASED ON DOCUMENTATION FROM PDX 2016-504, PDX 2007-0514, AND PDX 1988-0515.
2. NOTIFY THE PORT IF EXISTING CONDITIONS DO NOT MATCH WHAT IS SHOWN ON THE DRAWINGS.

KEY NOTES (#)

1. PRIOR TO SYSTEM DEMOLITION PROVIDE TRANSVERSE AIRFLOW MEASUREMENT AND SUBMIT TO PORT.



NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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REGISTERED PROFESSIONAL ENGINEER
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OREGON
MAR. 08, 2005
NED M. GREENE
EXPIRES: 06/30/2027

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

TERMINAL - DEPLANING - SECTOR E5 - T1732, T1733, T1734 - DEMO PLAN - MECHANICAL

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	M. GIOVAGNOLI
DRAWN BY	S. CARTER
CHECKED BY	M. BRUNE
DATE	JULY 2026
SHEET NO. 68	TYPE CD
DRAWING NO. PDX 2026-510	DISC. SHT. NO. M1.03

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

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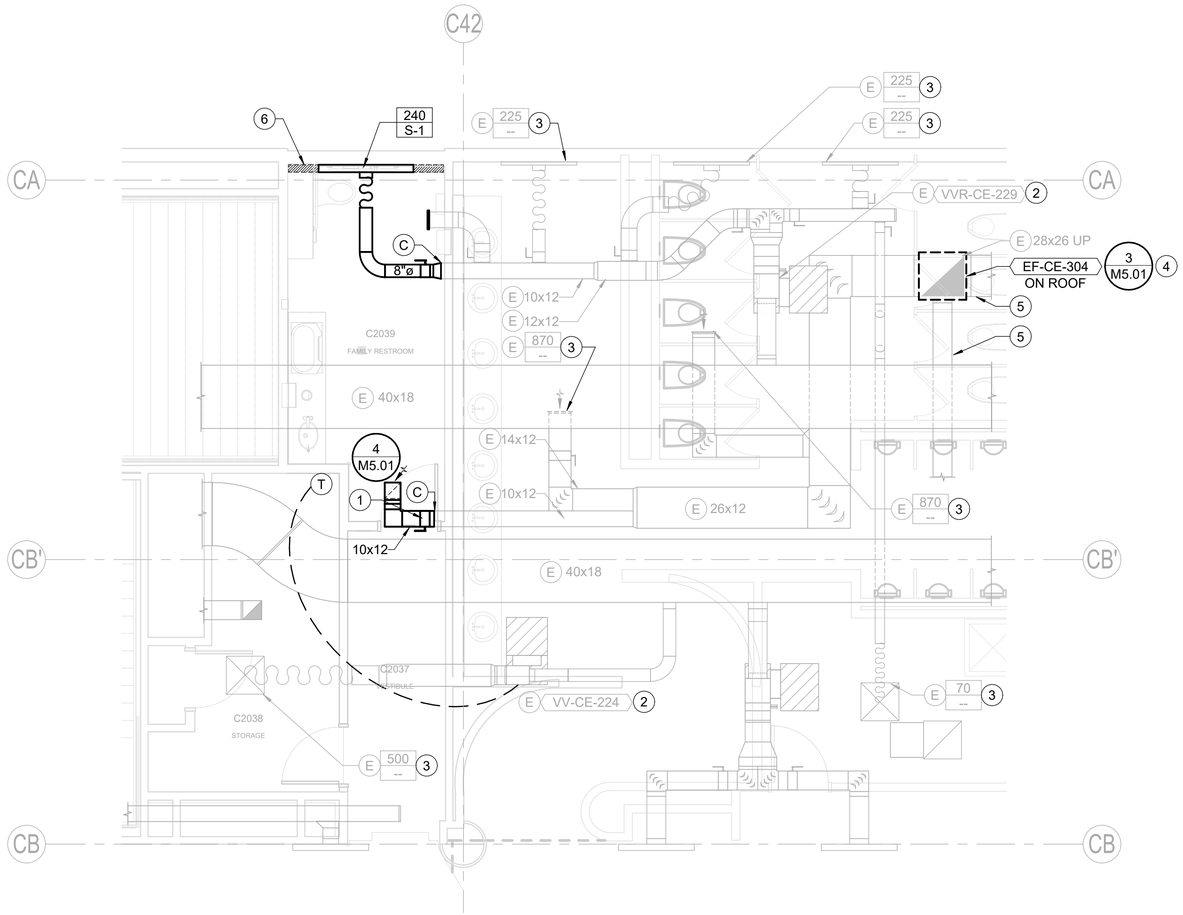
light gray
dark gray
black

0' 2' 4' 8' 12'

SCALE: IN FEET



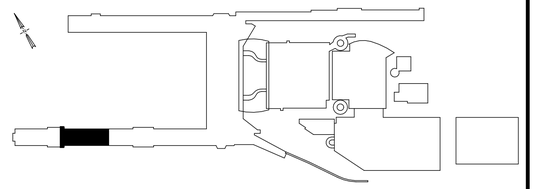
1 CONCOURSE C - SECTOR 5 - C2039 - ENPLANING - FLOOR PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"

NOTES

1. EXISTING CONDITIONS BASED ON DOCUMENTATION FROM PDX 1996-0535.

KEY NOTES (#)

1. BALANCE EXHAUST AIR TO 290 CFM.
2. BALANCE EXISTING TERMINAL UNIT TO AIRFLOW SHOWN.
3. BALANCE DIFFUSER AND GRILLES TO AIRFLOW SHOWN.
4. RECONNECT EXISTING DUCTWORK AND ROOF CURB TO NEW EXHAUST FAN. CONTRACTOR TO VERIFY EXISTING DUCTWORK AND CURB DIMENSIONS PRIOR TO INSTALLATION OF NEW FAN.
5. BALANCE DOWNSTREAM DIFFUSERS AND GRILLES TO AIR FLOWS SHOWN ON 1/M4.03.
6. SHADED PORTIONS OF SLOT DIFFUSER REPRESENT INACTIVE AREA/BLANK-OFF AREA.



NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 76752PE OREGON MAR. 08, 2005 NED M. GREENE
EXPIRES: 06/30/2027

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
CONCOURSE C - ENPLANING - SECTOR 5 - C2039 - FLOOR PLAN - MECHANICAL

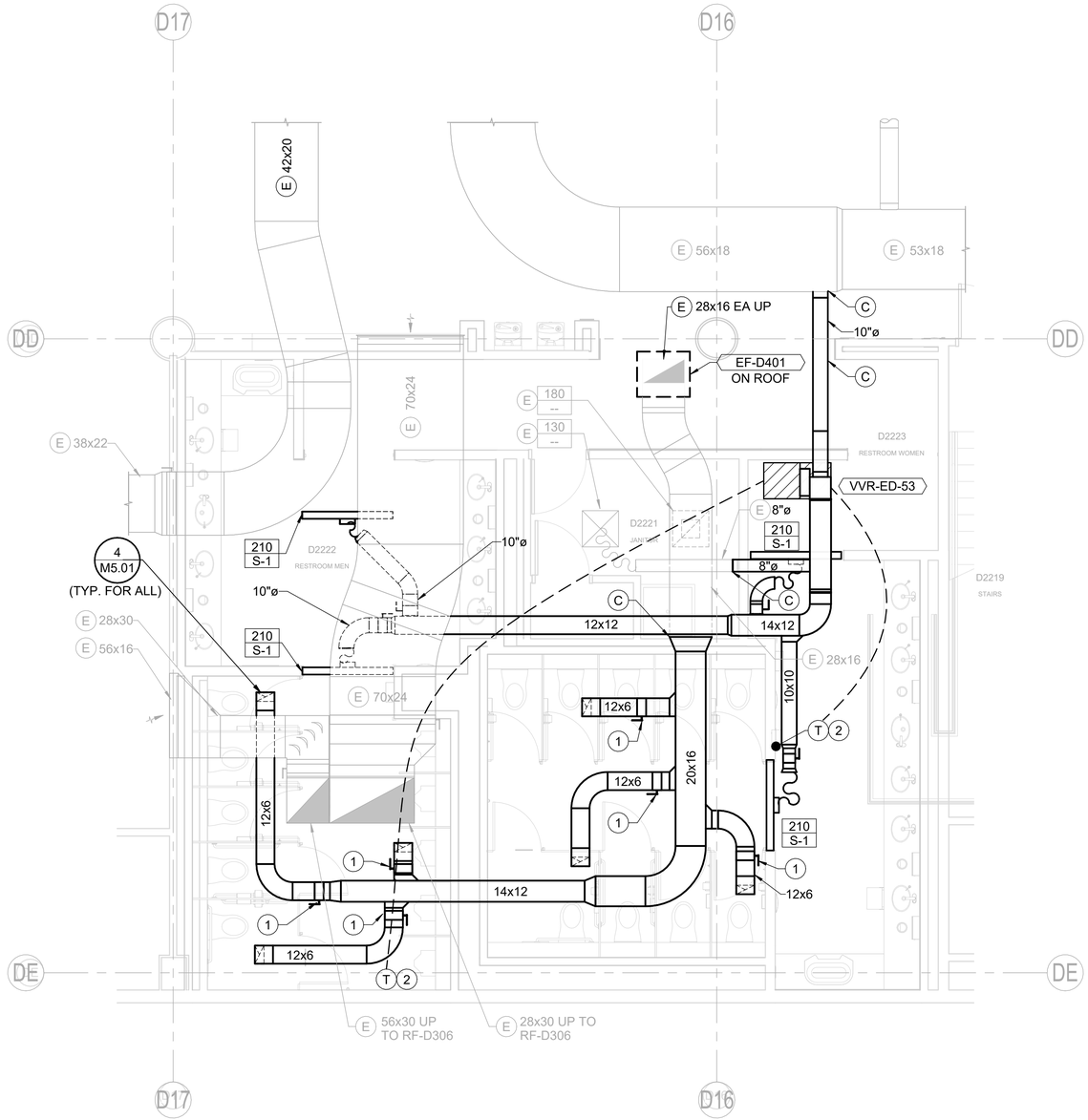
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	M. GIOVAGNOLI
DRAWN BY	S. CARTER
CHECKED BY	M. BRUNE
DATE	JULY 2026
SHEET NO.	69
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	M2.00

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

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.

light gray
dark gray
black

0' 2' 4' 8' 12'
SCALE: IN FEET



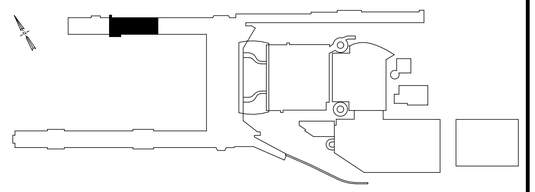
1 CONCOURSE D - SECTOR 2 - D2221, D2222, D2223 - ENPLANING - FLOOR PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"

NOTES

1. EXISTING CONDITIONS BASED ON DOCUMENTATION FROM PDX 2007-0514 AND PDX 1993-500.

KEY NOTES (#)

1. BALANCE DAMPER TO 460 CFM.
2. T-STAT REPORTS BACK TO VVR-ED-53. SPACE TEMPERATURES ARE AVERAGED TOGETHER TO DETERMINE IF SET POINT IS BEING MET.



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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

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OREGON MAR. 08, 2005 NED M. GREENE
EXPIRES: 06/30/2027

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE D - ENPLANING - SECTOR 2 - D2221, D2222, D2223- FLOOR PLAN - MECHANICAL

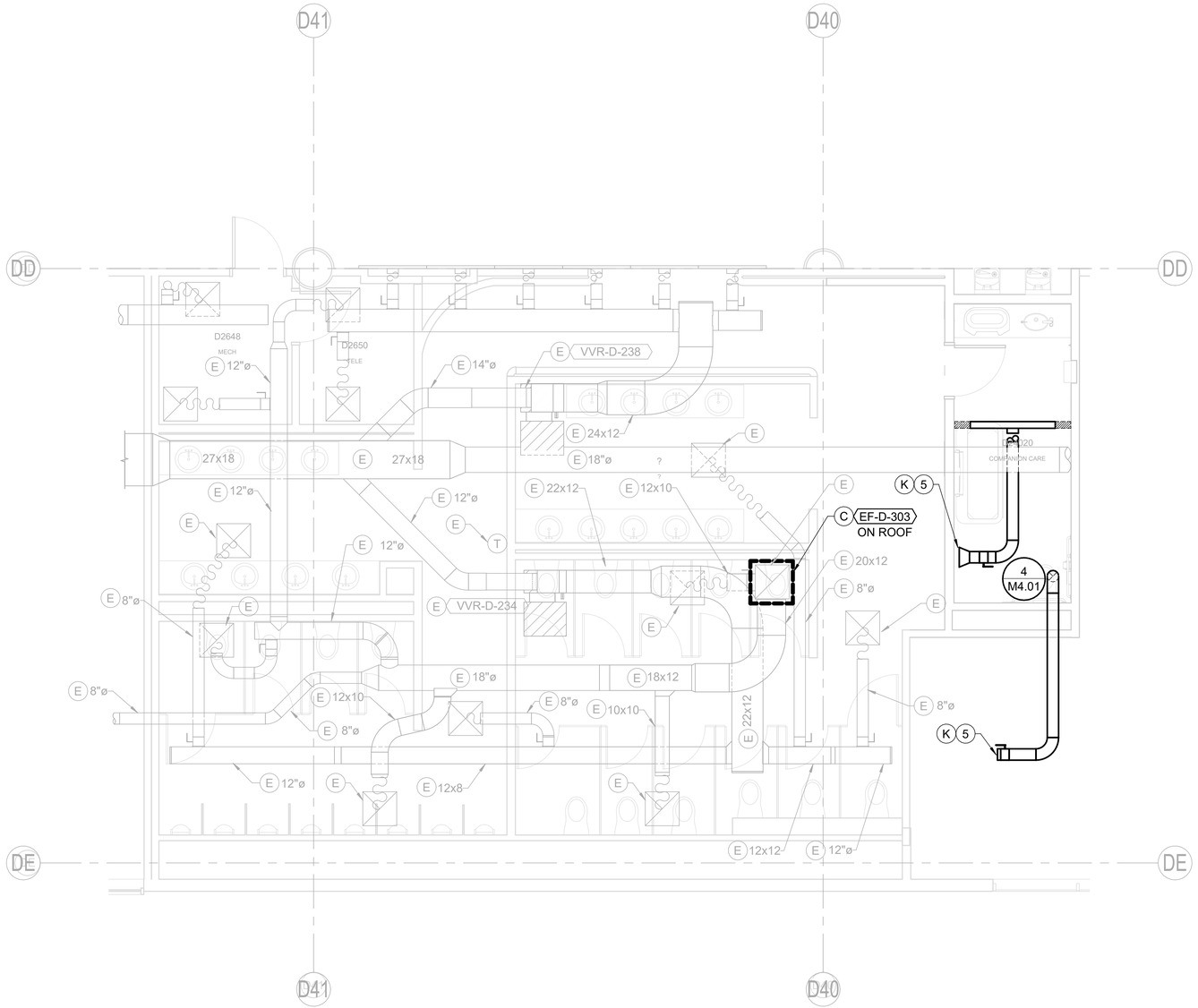
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	M. GIOVAGNOLI
DRAWN BY	S. CARTER
CHECKED BY	M. BRUNE
DATE	JULY 2026
SHEET NO.	70 TYPE CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	M2.01

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.

light gray
dark gray
black

0' 2' 4' 8' 12'
SCALE: IN FEET



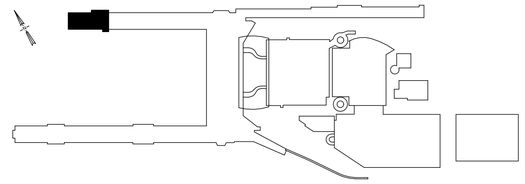
1 CONCOURSE D - SECTOR 3 - D24020 - ENPLANING - FLOOR PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"

NOTES

1. EXISTING CONDITIONS BASED ON DOCUMENTATION FROM PDX 2016-504, PDX 2007-0514, AND PDX 1988-0515.

KEY NOTES (#)

1. ELBOW 8 INCH DIA EXHAUST DUCTWORK DOWN AND MAINTAIN AT MINIMUM AN INCH OF CLEARANCE ABOVE CEILING FACE FOR MAINTENANCE. PROVIDE BIRD SCREEN. BALANCE DAMPER TO 110 CFM.
2. ELBOW EXHAUST DUCTWORK DOWN AND MAINTAIN AT MINIMUM AN INCH OF CLEARANCE ABOVE CEILING FACE FOR MAINTENANCE. PROVIDE BIRD SCREEN. BALANCE DAMPER TO 220 CFM.
3. BALANCE EXISTING GRILLE TO AIRFLOW SHOWN.
4. SHOWN FOR REFERENCE ONLY.
5. CAP FOR CONNECTION IN FUTURE PROJECT. RESTROOM IS TO REMAIN UNOCCUPIED UNTIL CODE COMPLIANT EXHAUST IS PROVIDED TO THE SPACE.



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
76752PE
OREGON
MAR. 08, 2005
NED M. GREENE
EXPIRES: 06/30/2027

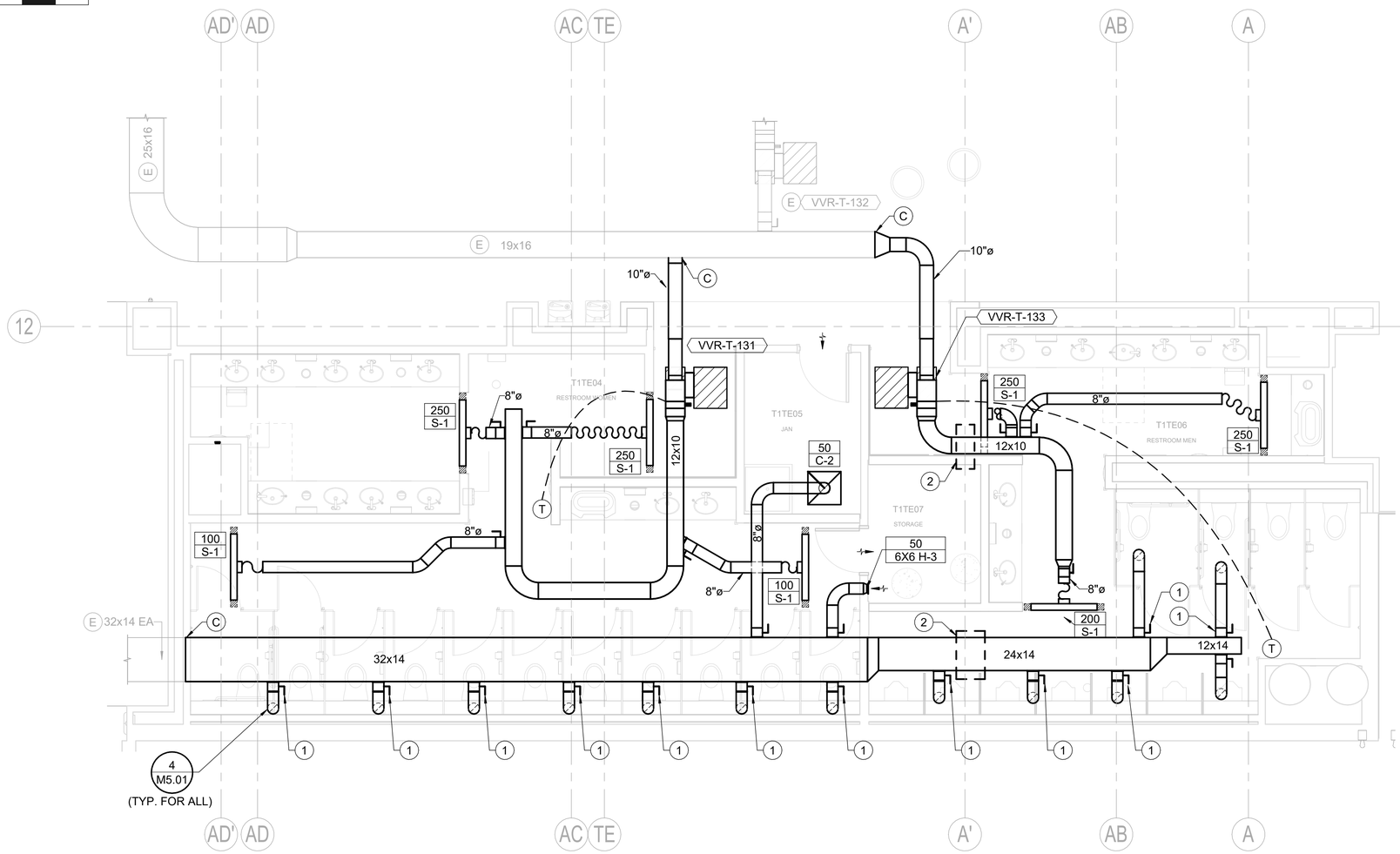
PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
CONCOURSE D - ENPLANING - SECTOR 3 - D24020 - FLOOR PLAN - MECHANICAL

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	M. GIOVAGNOLI
DRAWN BY	S. CARTER
CHECKED BY	M. BRUNE
DATE	JULY 2026
SHEET NO.	71
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	M2.02

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.

light gray
dark gray
black

0' 2' 4' 8' 12'
SCALE: IN FEET



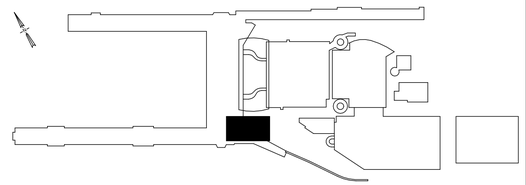
1 TERMINAL - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - DEPLANING - FLOOR PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"

NOTES

1. EXISTING CONDITIONS BASED ON EXISTING DOCUMENTATION FROM PDX 2021-510.

KEY NOTES (#)

1. ELBOW 8 INCH DIA EXHAUST DUCTWORK DOWN AND MAINTAIN AT MINIMUM AN INCH OF CLEARANCE ABOVE CEILING FACE FOR MAINTENANCE. PROVIDE BIRD SCREEN. BALANCE DAMPER TO 150 CFM.
2. PROVIDE FLEX DUCT WHERE DUCTWORK CROSSES SEISMIC BRACING.



NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 76752PE OREGON MAR. 08, 2005 NED M. GREENE
EXPIRES: 06/30/2027

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

TERMINAL - DEPLANING - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - FLOOR PLAN - MECHANICAL

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	M. GIOVAGNOLI
DRAWN BY	S. CARTER
CHECKED BY	M. BRUNE
DATE	JULY 2026
SHEET NO.	72
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	M2.03

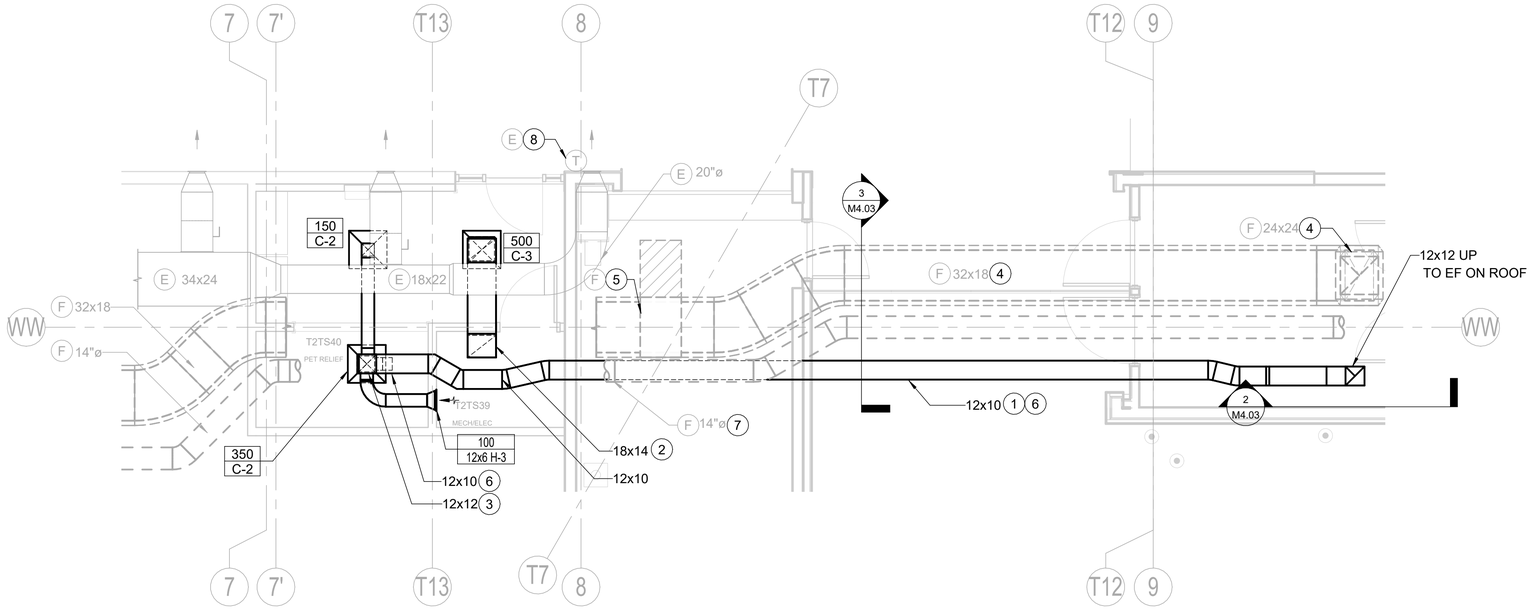
DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17". GRAPHIC SCALE FOR REFERENCE ONLY
0 1/4" 1/2" 1" 2"

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.

light gray
dark gray
black

0' 2' 4' 8' 12'

SCALE: IN FEET



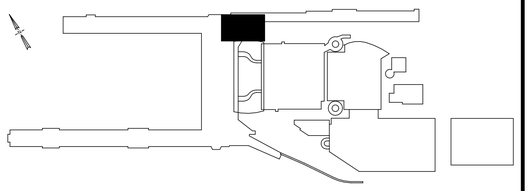
1 TERMINAL - SECTOR E1 - T2TS40 - ENPLANING - FLOOR PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"

NOTES

1. EXISTING CONDITIONS BASED ON EXISTING DOCUMENTATION FROM PDX 2021-510.
2. NOTIFY THE PORT IF EXISTING CONDITIONS DO NOT MATCH THE DRAWINGS.

KEY NOTES (#)

1. REFER TO 3/M4.03.
2. TERMINATE TRANSFER AIR DUCTWORK ABOVE METAL DECKING. PROVIDE 90 DEGREE ELBOW WITH A BIRD SCREEN AT DUCTWORK OPENING.
3. 12x12 PET RELIEF EXHAUST UP THROUGH METAL DECKING INTO EXISTING CONCEALED SOFFIT.
4. FUTURE TENANT TYPE 1 EXHAUST WITH FIRE WRAP SHOWN FOR REFERENCE ONLY.
5. FUTURE GREASE DUCT SUMP AND CLEARANCE REQUIREMENTS SHOWN FOR REFERENCE ONLY.
6. ROUTE PET RELIEF EXHAUST DUCTWORK AS CLOSE TO DECK AS POSSIBLE TO MAINTAIN CLEARANCE FOR FUTURE TENANT EXHAUST PATH.
7. FUTURE TYPE 2 EXHAUST ROUTING SHOWN FOR REFERENCE ONLY.
8. RETURN T-STAT TO EXISTING LOCATION.



NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
76752PE
OREGON
MAR. 08, 2005
NED M. GREENE
EXPIRES: 06/30/2027

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

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

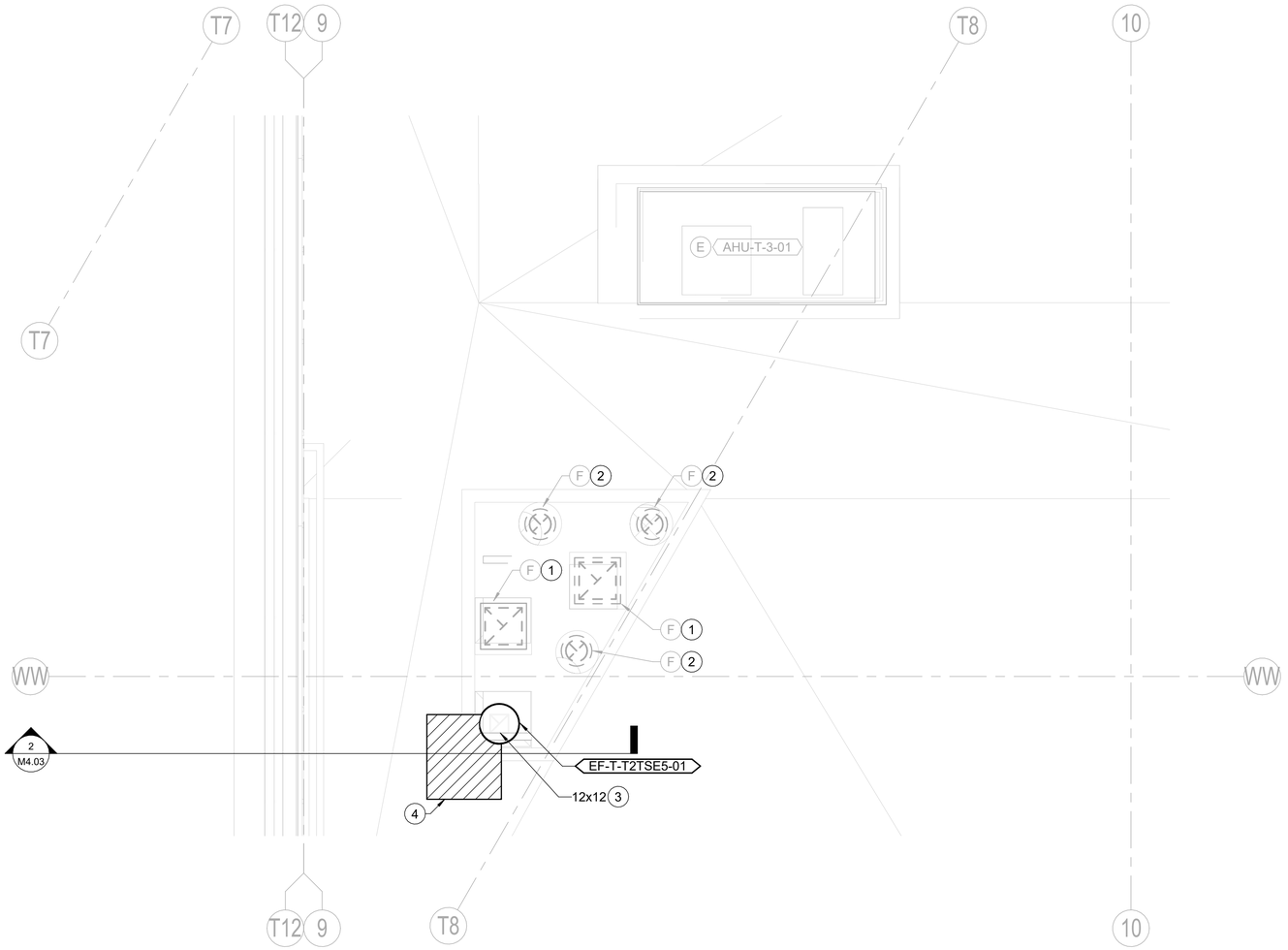
SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	M. GIOVAGNOLI		
DRAWN BY	S. CARTER		
CHECKED BY	M. BRUNE		
DATE	JULY 2026		
SHEET NO.	73	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	M2.08

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

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.

light gray
dark gray
black

0' 2' 4' 8' 12'
SCALE: IN FEET



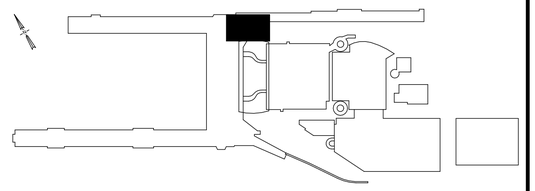
1 TERMINAL - SECTOR E1 - T2TS40 - ROOF PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"

NOTES

1. EXISTING CONDITIONS BASED ON EXISTING DOCUMENTATION FROM PDX 2021-510.
2. NOTIFY THE PORT IF EXISTING CONDITIONS DO NOT MATCH THE DRAWINGS.

KEY NOTES (#)

1. FUTURE TENANT TYPE 1 EXHAUST SHOWN FOR REFERENCE ONLY.
2. FUTURE TENANT TYPE 2 EXHAUST SHOWN FOR REFERENCE ONLY.
3. 12x12 EXHAUST DUCT DOWN. REFER TO ARCHITECTURAL FOR EXACT LOCATION.
4. LOCATE FAN DISCONNECT TO PREVENT CODE-REQUIRED CLEARANCE FROM CONFLICTING WITH LOCATION OF FUTURE EXHAUST PENETRATIONS.



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NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 76752PE OREGON MAR. 08, 2005 NED M. GREENE
EXPIRES: 06/30/2027

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
TERMINAL - ROOF - SECTOR E1 - T2TS40 - ROOF PLAN - MECHANICAL

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	M. GIOVAGNOLI
DRAWN BY	S. CARTER
CHECKED BY	M. BRUNE
DATE	JULY 2026
SHEET NO.	74
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	M2.09

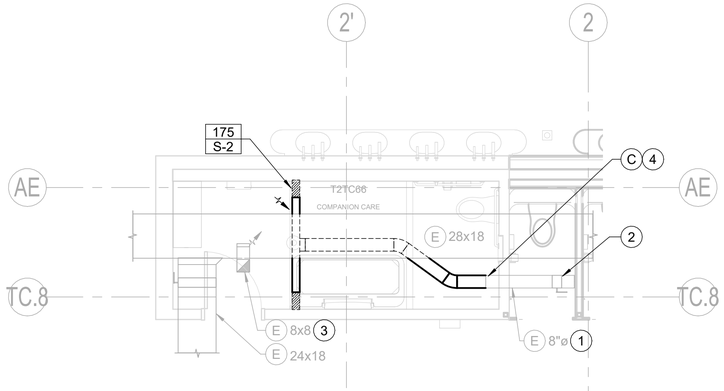
DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".
GRAPHIC SCALE-FOR REFERENCE ONLY
0 1/4" 1/2" 1" 2"

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.

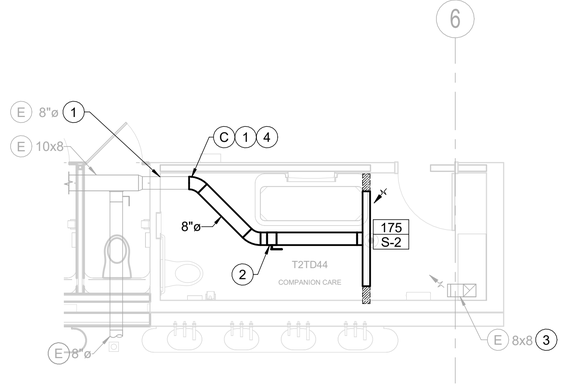
light gray
dark gray
black

0' 2' 4' 8' 12'

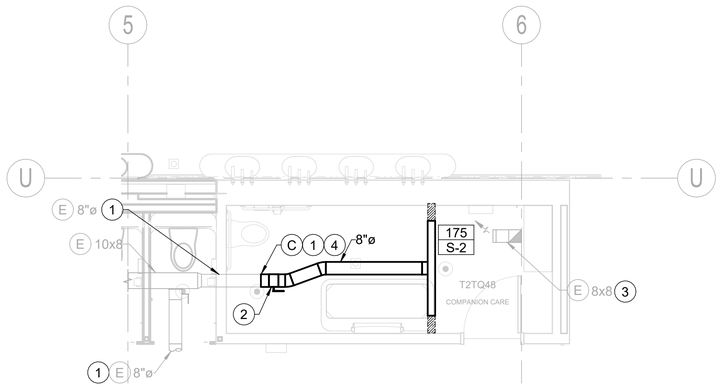
SCALE: IN FEET



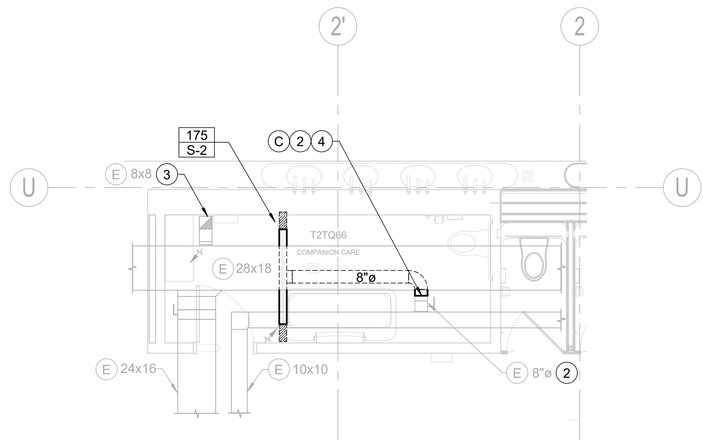
1 TERMINAL - SECTOR W5 - T2TC66 - ENPLANING - FLOOR PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"



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



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



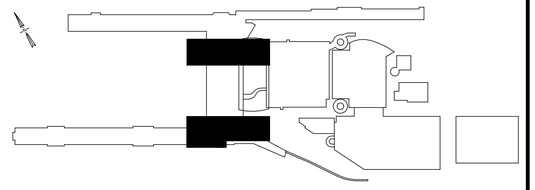
4 TERMINAL - SECTOR W - T2TQ66 - ENPLANING - FLOOR PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"

NOTES

1. EXISTING CONDITIONS BASED ON EXISTING DOCUMENTATION FROM PDX 2021-510.

KEY NOTES (#)

1. DUCTWORK PROVIDED IN TCORE PROJECT.
2. BALANCE TO CFM SHOWN.
3. EXISTING LID PENETRATION AND TRANSFER AIR DUCT PROVIDED IN PREVIOUS PROJECT. UTILIZE LID PENETRATION AND TRANSFER DUCT FOR MAKE-UP AIR TO SPACE.
4. REBALANCE EXISTING HRV SERVING THE SPACE AND ADJUST VFD SET POINT TO ACCOUNT FOR ADDITIONAL EXHAUST.



NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 76752PE OREGON MAR. 08, 2005 NED M. GREENE

EXPIRES: 06/30/2027

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

PARTIAL PLANS 1 - MECHANICAL

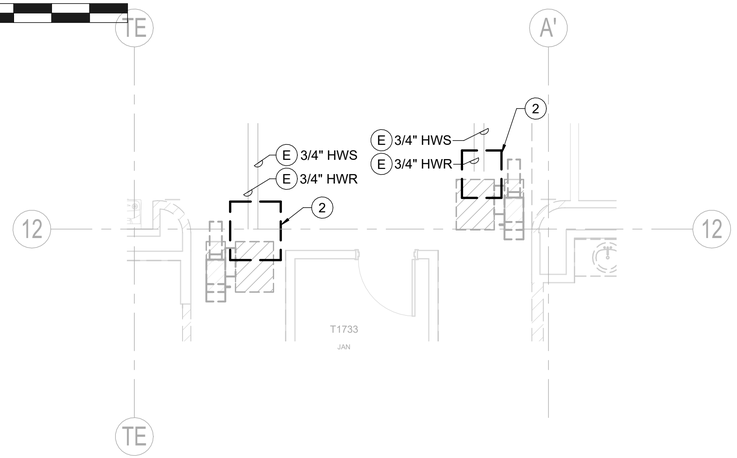
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	M. GIOVAGNOLI
DRAWN BY	S. CARTER
CHECKED BY	M. BRUNE
DATE	JULY 2026
SHEET NO.	75
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	M4.01

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

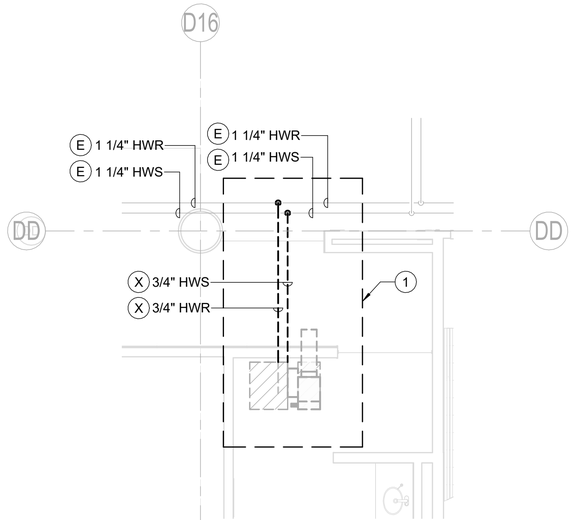
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.

0' 2' 4' 8' 12'

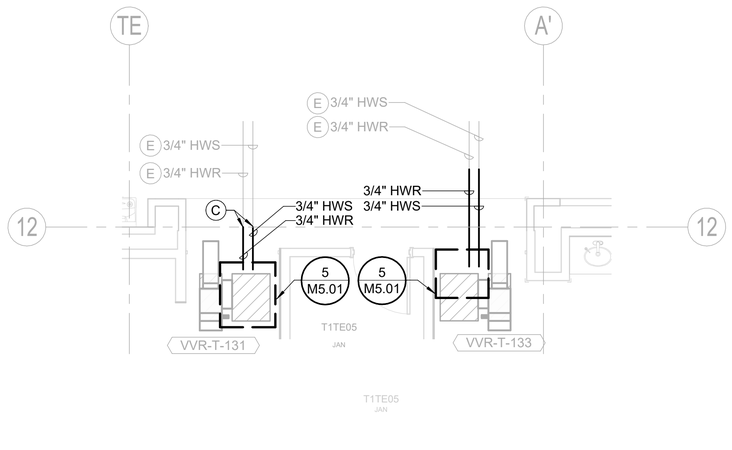
SCALE: IN FEET



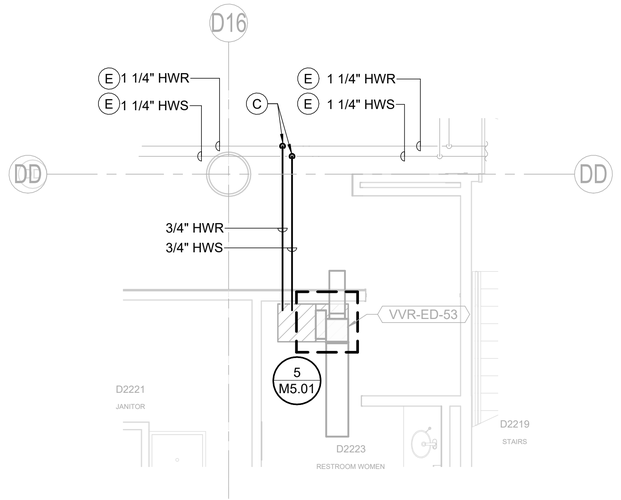
1 TERMINAL - SECTOR E5 - T1732, T1733, T1734 - DEPLANING - DEMO PLAN - MECHANICAL PIPING
SCALE: 1/4" = 1'-0"



2 CONCOURSE D - SECTOR 2 - D2221, D2222, D2223 - ENPLANING - FLOOR PLAN - DEMO PLAN - MECHANICAL PIPING
SCALE: 1/4" = 1'-0"



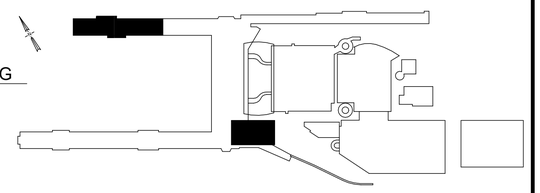
3 TERMINAL - SECTOR E5 - T1732, T1733, T1734 - DEPLANING - FLOOR PLAN - MECHANICAL PIPING
SCALE: 1/4" = 1'-0"



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

KEY NOTES (#)

1. DEMOLISH HYDRONIC LINES BACK TO NEAREST MAIN AND PREPARE FOR RECONNECTION TO SYSTEM.
2. DEMOLISH HYDRONIC COIL CONNECTION AND ACCESSORIES AND PREPARE FOR RECONNECTION TO SYSTEM.



NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 76752PE OREGON MAR. 08, 2005 NED M. GREENE

EXPIRES: 06/30/2027

PORTLAND INTERNATIONAL AIRPORT

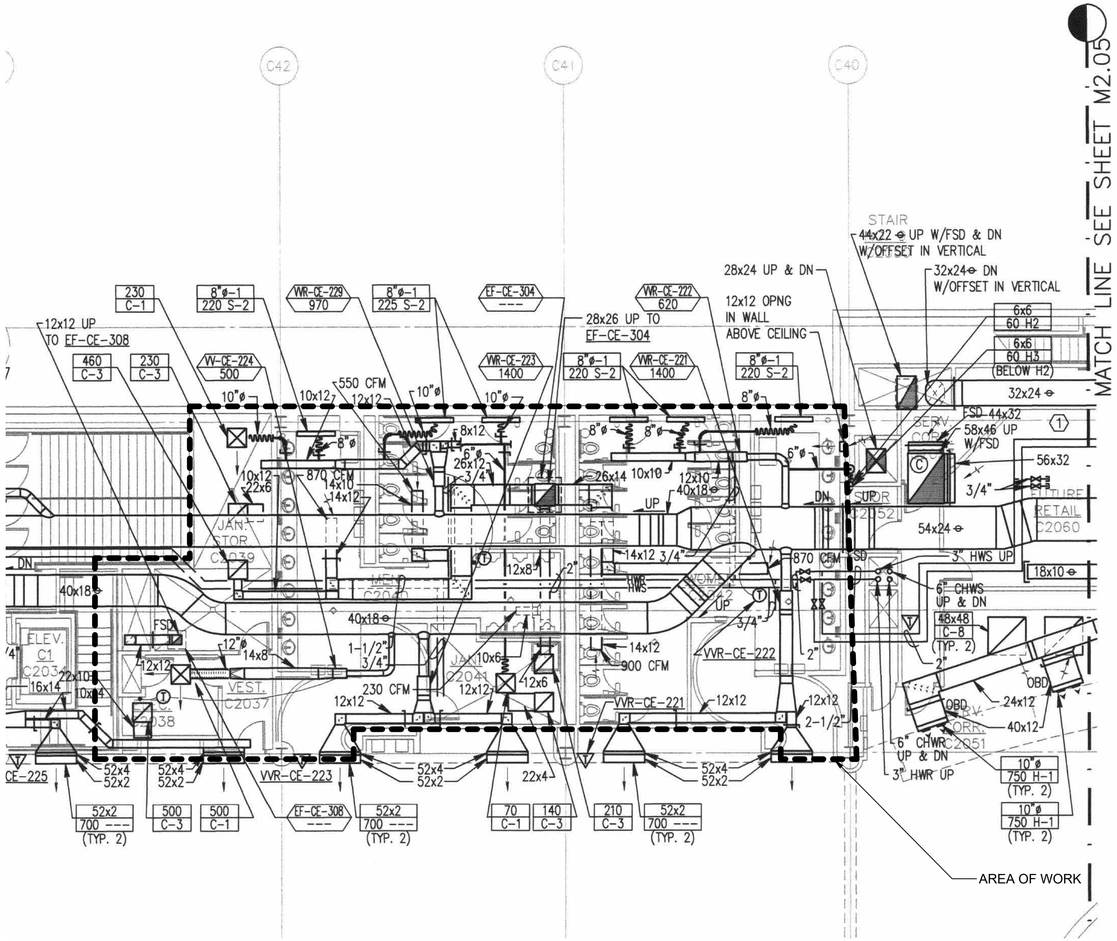
TERMINAL RESTROOM REHABILITATION 2026

PARTIAL PLANS 2 - MECHANICAL

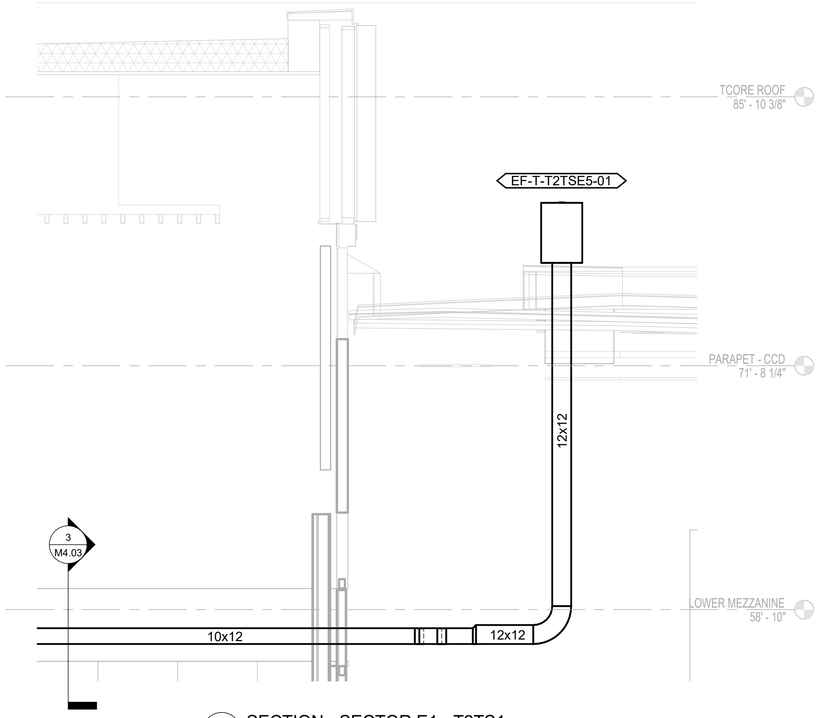
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	M. GIOVAGNOLI
DRAWN BY	S. CARTER
CHECKED BY	M. BRUNE
DATE	JULY 2026
SHEET NO.	76 TYPE CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	M4.02

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

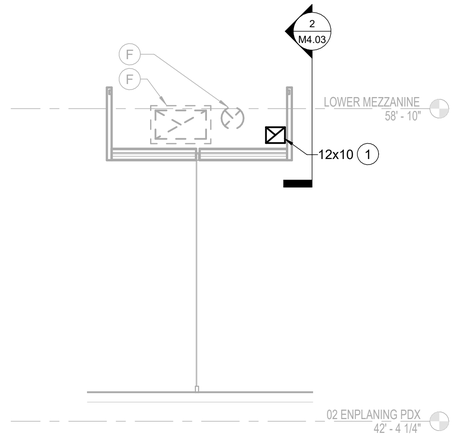
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



1 EF-CE-04 - EXISTING AIRFLOWS FOR REFERENCE ONLY
SCALE: NONE



2 SECTION - SECTOR E1 - T2TS1
SCALE: 1/4" = 1'-0"



3 SECTION - SECTOR E1 - EXHAUST ROUTING COORDINATION
SCALE: 1/4" = 1'-0"

KEY NOTES (#)

1. LOCATE EXHAUST FAN IN EXISTING SOFFIT TO MAINTAIN AS MUCH ROOM FOR FUTURE SLOPED GREASE DUCTWORK.

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 76752PE OREGON MAR. 08, 2005 NED M. GREENE

EXPIRES: 06/30/2027

PORTLAND INTERNATIONAL AIRPORT

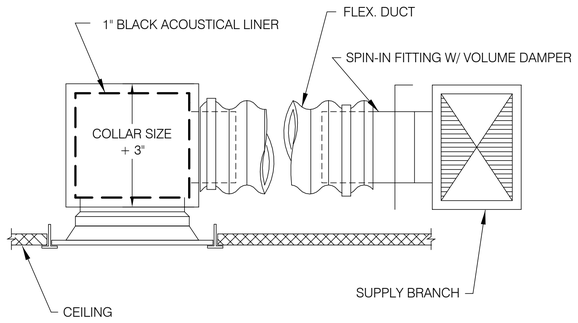
TERMINAL RESTROOM REHABILITATION 2026

PARTIAL PLANS 3 - MECHANICAL

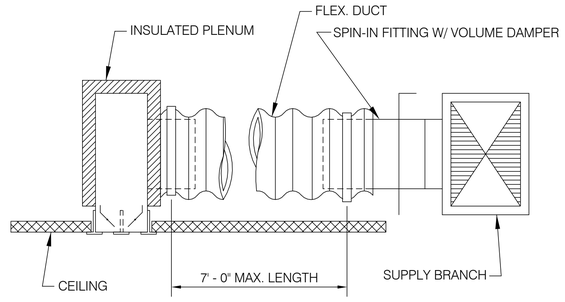
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	M. GIOVAGNOLI
DRAWN BY	S. CARTER
CHECKED BY	M. BRUNE
DATE	JULY 2026
SHEET NO.	77
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	M4.03

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

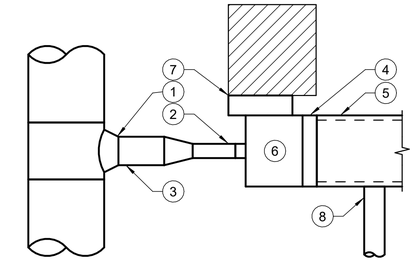
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



1 T-BAR DIFFUSER - STANDARD
SCALE: N.T.S



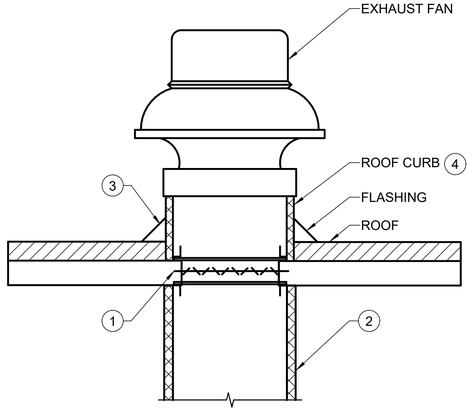
2 SLOT DIFFUSER
SCALE: N.T.S



KEY NOTE(S): (#)

1. CONICAL TEE.
2. INLET DUCT. MINIMUM STRAIGHT LENGTH = 3'-0" OR 4 DUCT DIAMETERS FROM MAIN DUCT, WHICHEVER IS LARGER. FLEXIBLE CONNECTIONS ARE NOT ALLOWED.
3. MEDIUM PRESSURE MAIN DUCT. IF UNDER 10"-0" IN LENGTH, DUCT SIZE TO BE THE SAME SIZE AS TERMINAL UNIT INLET CONNECTION, IF LENGTH IS 10'-0" OR GREATER DUCT SIZE TO BE AS SHOWN ON PLAN.
4. HEATING COIL, WHERE INDICATED.
5. DISCHARGE DUCT TO BE 1 1/2" LINED SHEET METAL, MINIMUM 8'-0" LONG, SAME SIZE AS TERMINAL UNIT OUTLET, OR AS SHOWN ON PLAN, WHICHEVER IS LARGER.
6. INSTALL TERMINAL UNIT WITHIN 2' ABOVE CEILING PLANE TO MAINTAIN SERVICE ACCESS.
7. NEMA 1 CONTROL ENCLOSURE SUITABLE FOR PLENUM APPLICATIONS. PROVIDE 36" CLEARANCE DIRECTLY IN FRONT OF ENCLOSURE, MOUNT CONTROL PANEL AND COIL VALVE ASSEMBLY ON SAME SIDE OF UNIT.
8. FIRST BRANCH DUCT TAP MAY NOT BE WITHIN FIRST 5'-0" OF PLENUM.

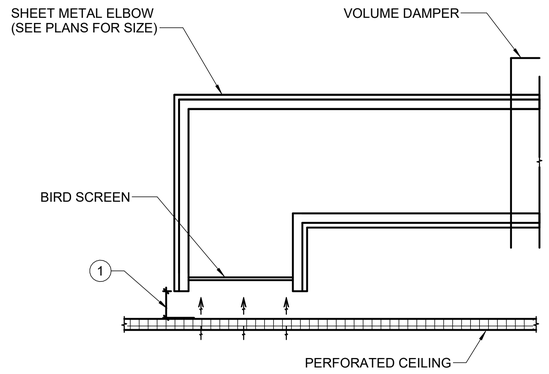
6 TYPICAL TERMINAL UNIT
SCALE: N.T.S



KEY NOTE(S): (#)

1. AUTOMATIC MOTORIZED CONTROL DAMPER.
2. INTERNAL LINING AS REQUIRED BY SPECIFICATIONS.
3. REFER TO ARCHITECTURAL FOR ADDITIONAL ROOFING AND DECK ENCLOSURE DETAILS.
4. WHERE REQUIRED PROVIDE ROOF CURB ADAPTER AND UTILIZE EXISTING ROOF CURB.

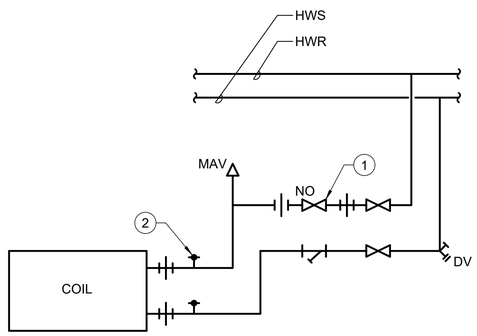
3 ROOF EXHAUST FAN
SCALE: N.T.S



KEY NOTE(S): (#)

1. PROVIDE ON INCH MINIMUM CLEARANCE ABOVE CEILING FINISH SERVING ALL-USER RESTROOM STALLS

4 EXHAUST AIR PLENUM BOOT
SCALE: N.T.S



NOTE(S):

1. TYPICAL OF REHEAT COILS
2. VARIABLE FLOW HWS/HWR SYSTEM.

KEY NOTE(S): (#)

1. PRESSURE INDEPENDENT MOTORIZED CONTROL VALVE
2. "PETE'S" PLUG (TYPICAL)

5 REHEAT COIL CONNECTION - TERMINAL UNIT
SCALE: N.T.S

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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REGISTERED PROFESSIONAL ENGINEER 76752PE OREGON MAR. 08, 2005 NED M. GREENE
EXPIRES: 06/30/2027

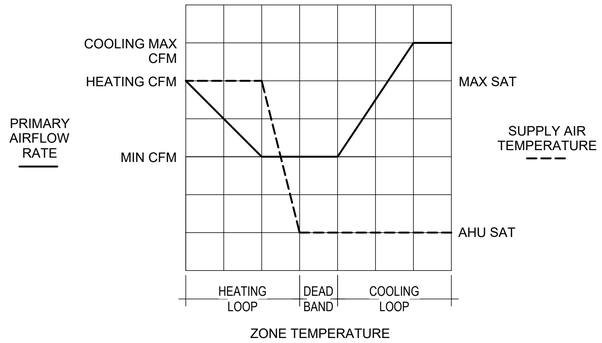
2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

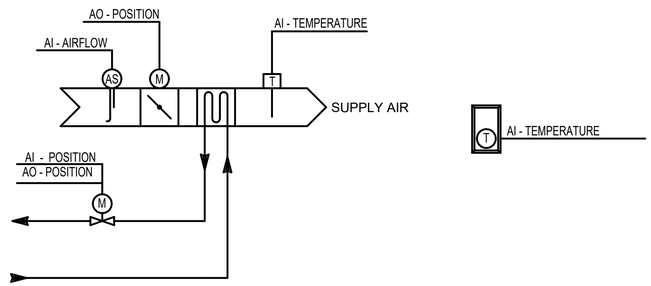
PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
DETAILS - MECHANICAL

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	M. GIOVAGNOLI
DRAWN BY	S. CARTER
CHECKED BY	M. BRUNE
DATE	JULY 2026
SHEET NO.	78
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	M5.01

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

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.

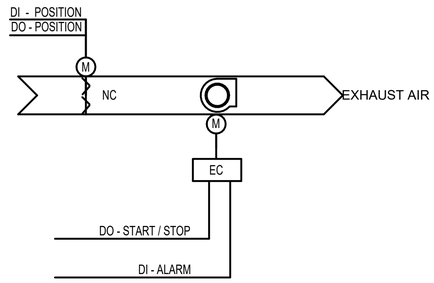




1 TERMINAL UNIT - VVR - TYPICAL
SCALE: N.T.S

SEQUENCE OF OPERATIONS

-GENERAL
- FAN OPERATES AT CONSTANT SPEED
- SCHEDULE OF OPERATION
  - FAN ENABLED WHEN COMMANDED BY CONTROL SYSTEM
- OCCUPIED MODE
  - OPEN DAMPER
  - UPON PROOF OF DAMPER OPEN POSITION, START FAN
  - FAN OPERATES CONTINUOUSLY
- ALARMS/SAFETIES
  - FAN STATUS
- NOTES
  - SET POINTS AND VARIABLES ARE TO BE INDIVIDUALLY ADJUSTABLE THROUGH CONTROL SYSTEM GRAPHICAL INTERFACE.



2 EXHAUST FAN - GENERAL EXHAUST - TYPICAL
SCALE: N.T.S

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER
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76752PE
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NED M. GREENE
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PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONTROL DIAGRAMS - MECHANICAL

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	M. GIOVAGNOLI
DRAWN BY	S. CARTER
CHECKED BY	M. BRUNE
DATE	JULY 2026
SHEET NO.	79
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	M7.01

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light gray · dark gray · black

MISC. VALVES & COCKS

- SHUTOFF VALVE
- GLOBE VALVE
- GATE VALVE OS&Y
- BALL VALVE
- BUTTERFLY VALVE
- CHECK VALVE
- WYE STRAINER
- WYE STRAINER WITH BLOWDOWN
- DRAIN VALVE
- BALANCING VALVE
- FC — AUTOMATIC FLOW CONTROL VALVE
- PRESSURE REDUCING VALVE
- RELIEF VALVE
- TRIPLE DUTY VALVE
- TWO-WAY CONTROL VALVE
- THREE-WAY CONTROL VALVE
- THREE-WAY BALANCING VALVE
- GAS COCK VALVE
- PLUG VALVE
- BOILER BLOWDOWN VALVE, QUICK OPENING
- BOILER BLOWDOWN VALVE, Y-PATTERN
- NON-RETURN STOP VALVE
- F&T — FLOAT AND THERMOSTATIC STEAM TRAP
- IB — INVERTED BUCKET STEAM TRAP
- DOUBLE CHECK VALVE ASSEMBLY (DCVA)
- REDUCED PRESSURE BACKFLOW PREVENTER (RPBP)
- BWV — BACKWATER VALVE
- PIV — POST INDICATOR VALVE
- UG — UNDERGROUND GATE VALVE WITH VALVE BOX
- WATER FLOW METER

- THERMOMETER
- PRESSURE GAUGE
- PRESSURE-TEMPERATURE TEST PLUG
- MAV — MANUAL AIR VENT
- AAV — AUTOMATIC AIR VENT
- F — FLOW SWITCH
- T — TEMPERATURE SENSOR
- S (SIZE) — SHOCK ARRESTOR
- V — VACUUM BREAKER
- S — SHUTOFF VALVE WITH TAMPER SWITCH
- S — SOLENOID VALVE
- P — PRESSURE SENSOR
- A — AQUASTAT

STANDARD ABBREVIATIONS

AD	AREA DRAIN	EEW	EMERGENCY EYE WASH
ADA	AMERICANS WITH DISABILITIES ACT	EFF	EFFICIENCY
AF	AIRFOIL	EFT	ENTERING FLUID TEMPERATURE
AFF	ABOVE FINISHED FLOOR	ELEC	ELECTRIC, ELECTRICAL
AHP	APPARATUS HOUSING PLENUM	ELEV	ELEVATION
AL	ALUMINUM	ENGR	ENGINEER
ALT	ALTERNATIVE	EQ	EQUAL
AP	ACCESS PANEL	EQUIP	EQUIPMENT
APD	AIR PRSSURE DROP	ES	EMERGENCY SHOWER
APPROX	APPROXIMATELY	ESP	EXTERNAL STATIC PRESSURE
ARCH	ARCHITECT, ARCHITECTURAL	ET	EXPANSION TANK
AS	AUTOMATIC SPRINKLER	EWB	ENTERING WET BULB
AUTO	AUTOMATIC	EWC	ELECTRIC WATER COOLER
BDD	BACKDRAFT DAMPER	EWH	ELECTRIC WATER HEATER
BFF	BELOW FINISHED FLOOR	EWT	ENTERING WATER TEMPERATURE
BHP	BREAK HORESPOWER	EX	EXTRACTOR
BI	BACKWARD INCLINED	EXP	EXPANSION
BLDG	BUILDING	EXH	EXHAUST OR EXHAUST AIR
BOP	BOTTOM OF PIPE	F	DEGREES FAHRENHEIT
BOS	BOTTOM OF STRUCTURE	FC	FORWARD CURVED
BSMT	BASEMENT	FCO	FLOOR CLEANOUT
BTU	BRITISH THERMAL UNIT	FD	FIRE DAMPER (MECHANICAL)
BTUH	BRITISH THERMAL UNITS PER HOUR	FD	FLOOR DRAIN (PLUMBING)
BTV	BUTTERFLY VALVE	FDC	FIRE DEPARTMENT CONNECTION
BV	BALANCING VALVE	FFE	FINISHED FLOOR ELEVATION
CALC	CALCULATION	FIG	FIGURE
CB	CATCH BASIN	FL	FLOOR
CFH	CUBIC FEET PER HOUR	FLA	FULL LOAD AMPACITY
CFM	CUBIC FEET PER MINUTE	FLEX	FLEXIBLE
CFS	CUBIC FEET PER SECOND	FP	FIRE PUMP
CI	CAST IRON	FPD	FLUID PRESSURE DROP
CL	CENTERLINE	FPM	FEET PER MINUTE
CLG	CEILING OR COOLING	FPS	FEET PER SECOND
CO	CARBON MONOXIDE	FS	FLOOR SINK
CO	CLEANOUT	FSD	FIRE SMOKE DAMPER
CONC	CONCRETE	FT	FEET/FOOT
CONN	CONNECT, CONNECTION	FTR	FINNED TUBE RADIATOR
CONT	CONTINUED, CONTINUATION	FLT	FLUSH TANK
CP	CIRCULATING PUMP	FU	FIXTURE UNIT
CTG	CLEANOUT TO GRADE	FV	FLUSH VALVE
CV	CHECK VALVE	(F)	FUTURE
DB	DRY BULB	G	GRADE
DDC	DIRECT DIGITAL CONTROL	GA	GAGE/GAUGE
DEFL	DEFLECTION	GAL	GALLON
DF	DRINKING FOUNTAIN	GALV	GALVANIZED
DFU	DRAINAGE FIXTURE UNIT	GLY	GLYCOL
DI	DEIONIZED	GH	GROUND HYDRANT
DIA	DIAMETER	GPH	GALLONS PER HOUR
DIP	DUCTILE IRON PIPE	GPM	GALLONS PER MINUTE
DN	DOWN (PENETRATES FLOOR)	GV	GATE VALVE
DP	DEW POINT	H	HEIGHT
DR	DRAIN	HB	HOSE BIBB
DV	DRAIN VALVE	HD	HUB DRAIN
DROP	DROP (WITHIN FLOOR)	HORIZ	HORIZONTAL
DWDI	DOUBLE WIDTH DOUBLE INLET	HP	HORSEPOWER
DWG	DRAWING	HR	HOUR
(E), EXIST	EXISTING	HSW	HORIZONTAL SIDE WALL
EAT	ENTERING AIR TEMPERATURE	HT	HEAT TRACE
EC	EXTENDED COVERAGE	HTG	HEATING
ECM	ELECTRONICALLY COMMUTATED MOTOR	HV	HOSE VALVE
EDB	ENTERING DRY BULB	HVC	HOSE VALVE CABINET

STANDARD ABBREVIATIONS

RM	ROOF MANIFOLD	ID	INSIDE DIAMETER, INSIDE DIMENSION
RN	RISER NIPPLE	IE	INVERT ELEVATION
RPM	REVOLUTIONS PER MINUTE	IN	INCH, INCHES
S	SINK	INSUL	INSULATION
SA	SUPPLY AIR	IPS	IRON PIPE SIZE
SB	SWAY BRACE	ISO	ISOMETRIC
SCFM	STANDARD CUBIC FEET PER MINUTE	ISOL	ISOLATOR, ISOLATION
SD	SHOWER DRAIN (PLUMBING)	JP	JOCKEY PUMP
SD	SMOKE DAMPER (MECHANICAL)	KW	KILOWATT
SE	SEWAGE EJECTOR	KWH	KILOWATT HOUR
SECT	SECTION	L	LENGTH
SENS	SENSIBLE	LAT	LEAVING AIR TEMP
SF	SQUARE FOOT, SQUARE FEET	LAV	LAVATORY
SH	SHOWER	LB	POUND
SIM	SIMILAR	LDB	LEAVING DRY BULB
SOV	SHUTOFF VALVE	LF	LINEAR FEET
SP	STATIC PRESSURE	LFT	LEAVING FLUID TEMPERATURE
SPEC	SPECIFICATION	LVG	LEAVING
SQ	SQUARE	LWB	LEAVING WET BULB
SQ IN	SQUARE INCH, SQUARE INCHES	LWT	LEAVING WATER TEMPERATURE
SS	STAINLESS STEEL (ALL)	MAX	MAXIMUM
SSP	STANDARD SPRAY PENDENT	MBH	THOUSAND BTU PER HOUR
SSU	STANDARD SPRAY UPRIGHT	MCA	MINIMUM CIRCUIT AMPACITY
STL	STEEL	MECH	MECHANICAL
STRUCT	STRUCTURE, STRUCTURAL	MERV	MINIMUM EFFICIENCY REPORTING VALUE
SWP	SINGLE WALL PLENUM	MFR	MANUFACTURER
SWSI	SINGLE WIDTH SINGLE INLET	MIN	MINIMUM
TD	TRENCH DRAIN	MISC	MISCELLANEOUS
TDH	TOTAL DISCHARGE HEAD	MOCP	MAXIMUM OVERCURRENT PROTECTION
TDL	TOTAL DEVELOPED LENGTH	MS	MOP SINK
TEMP	TEMPERATURE	MTD	MOUNTED
TMV	THERMOSTATIC MIXING VALVE	NC	NORMALLY CLOSED
TOP	TOP OF PIPE	NIC	NOT IN CONTRACT
TP	TRAP PRIMER VALVE	NO	NORMALLY OPEN
TS	TAMPER SWITCH	NPS	NOMINAL PIPE SIZE
TSP	TOTAL STATIC PRESSURE	NRS	NON-RISING STEM
TYP	TYPICAL	NTS	NOT TO SCALE
U	URINAL	OAT	OUTSIDE AIR TEMPERATURE
UG	UNDERGROUND	OC	ON CENTER DISTANCE
UP	UP (PENETRATES FLOOR SLAB)	OD	OVERFLOW DRAIN
UON	UNLESS OTHERWISE NOTED	OS&Y	OUTSIDE SCREW & YOKE GATE VALVE
V	VOLTS	OSA	OUTSIDE AIR
VB	VACUUM BREAKER	PD	PLANTER DRAIN
VD	VOLUME DAMPER	P/FT	PITCH PER FOOT
VEL	VELOCITY	PG	PRESSURE GAUGE
VERT	VERTICAL	PH	PHASE
VFD	VARIABLE FREQUENCY DRIVE	PIV	POST INDICATING VALVE
VTR	VENT THROUGH ROOF	PP	POLYPROPYLENE
W	WIDTH	PRV	PRESSURE REDUCING VALVE
WB	WET BULB	PS	PRESSURE SWITCH
WC	WATER CLOSET	PSI	POUNDS PER SQUARE INCH
WCO	WALL CLEANOUT	PSIG	POUNDS PER SQUARE INCH (GAUGE)
WFU	WATER FIXTURE UNITS	PVC	POLYVINYL CHLORIDE
WG	WATER GAUGE	PVS	PVC COATED STEEL
WH	WALL HYDRANT	R, RAD	RADIUS
WHA	WATER HAMMER ARRESTOR	RA	RELIEF AIR
WPD	WATER PRESSURE DROP	RD	ROOF DRAIN
WTD	WATER TEMPERATURE DROP	RET	RETURN AIR
WTR	WATER TEMPERATURE RISE	REV	REVISION
W/	WITH	RH	RELATIVE HUMIDITY
W/O	WITHOUT	RISE	RISE (WITHIN FLOOR)

DEMOLITION LEGEND

- REMOVE EXISTING PIPE
- REMOVE EXISTING EQUIPMENT

NEW, EXISTING, & FUTURE WORK

EXISTING PIPING · NEW PIPING · FUTURE PIPING

EXISTING EQUIPMENT · NEW EQUIPMENT · FUTURE EQUIPMENT

EXISTING EQUIPMENT CLEARANCES · NEW EQUIPMENT CLEARANCES · FUTURE EQUIPMENT CLEARANCES

PLUMBING PIPING

W	WASTE ABOVE GRADE
W	WASTE BELOW GRADE
PW	PUMPED WASTE ABOVE GRADE
PW	PUMPED WASTE BELOW GRADE
GW	GREASE WASTE ABOVE GRADE
GW	GREASE WASTE BELOW GRADE
D	DRAIN (CONDENSATE/INDIRECT)
V	VENT
CW	COLD WATER
HW	HOT WATER
RHW	RECIRCULATING HOT WATER
TW	TEMPERED WATER
ICW	INDUSTRIAL COLD WATER
IHW	INDUSTRIAL HOT WATER
WW	WELL WATER

PLUMBING SPECIALITIES

- CLEANOUT
- FLOOR CLEANOUT
- CLEANOUT TO GRADE
- WALL CLEANOUT
- AREA DRAIN
- CATCH BASIN
- FLOOR DRAIN
- OVERFLOW ROOF DRAIN
- ROOF DRAIN
- TRENCH SHOWER DRAIN
- TRENCH DRAIN
- HOSE BIBB
- G — GROUND HYDRANT
- WALL HYDRANT
- WALL BOX
- FLOOR SINK
- THRUST BLOCK

GENERAL NOTES:

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

SYMBOLS

A	ACCESS PANEL	#	NUMBERED NOTE
	POINT OF CONNECTION	X	REMOVE EXISTING
E	EXISTING TO REMAIN	K	CAP EXISTING / CAP FOR FUTURE
B	BELOW GRADE / FLOOR	R	RELOCATE EXISTING
1	REVISION NUMBER	F	FUTURE

XX-XXX — UNIT NUMBER; FLOOR UNIT IS LOCATED ON; EQUIPMENT TYPE

XXXX-XX-XXXXX — UNIT NUMBER; FLOOR UNIT IS LOCATED ON; EQUIPMENT TYPE

EQUIPMENT

XXX — TAG NUMBER

EQUIPMENT PROVIDED BY OTHERS

XX-XXX / XXX — FIXTURE NUMBER; FIXTURE UNITS; FIXTURE TYPE

FIXTURES

DETAIL NUMBER; SHEET NUMBER; X / XX.XX

DETAIL CALLOUT

SYSTEM TYPE; RISER NUMBER; X / XX

RISER TAG

MISC. FITTINGS & SYMBOLS

- DIRECTION OF FLOW
- DIRECTION OF SLOPE
- PIPE SLEEVE
- REDUCER
- ANCHOR
- ELBOW (90 DEGREE)
- ELBOW (45 DEGREE)
- PIPING CONNECTIONS
- TEE
- JOINT OR COUPLING POINT
- UNION
- FLANGED CONNECTION
- CAP
- PLUG OR BLIND FLANGE
- RISER
- ELBOW UP
- ELBOW DOWN
- TEE UP
- TEE DOWN
- FLEXIBLE HOSE CONNECTOR
- MC — MECHANICAL COUPLING
- HEAT TRACE
- PIPE CONTINUATION

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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

2025D031 DESIGN NUMBER · 103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER · 82382PE · OREGON · DECEMBER 14, 2014 · TRAVIS J LEWIS · 07/14/2026
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

SYMBOLS, LEGENDS, & ABBREVIATIONS - PLUMBING

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	E. WALCZYK
DRAWN BY	C. RICHARDS
CHECKED BY	T. LEWIS
DATE	JULY 2026
SHEET NO.	80
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	P0.01

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PLUMBING PUMP SCHEDULE

TAG NUMBER	DESCRIPTION	LOCATION	SERVICE	TYPE	FLUID TYPE	FLUID TEMP. (F)	PERFORMANCE		ELECTRICAL				MANUFACTURER & MODEL
							FLOW (GPM)	HEAD (FT)	HP	VOLT/ PHASE	RPM	VFD	
RHWP-D2221	RECIRCULATING HOT WATER PUMP	D2221 JANITOR	HW CIRCULATION	IN-LINE	DOMESTIC WATER	95	2.25	22	1/6	120/1	1750	NO	GRUNDFOS UP 43-75 BF

PLUMBING DESIGN CRITERIA (OREGON)

DOMESTIC WATER PIPING SYSTEM:
BASIS OF DESIGN: 2023 OREGON PLUMBING SPECIALTY CODE, APPENDIX A 'RECOMMENDED RULES FOR SIZING THE WATER SUPPLY SYSTEM'. PIPING SIZED ON 3 PSI/100 FT. DROP, VELOCITIES NOT TO EXCEED 8 FT./SEC. (COLD WATER) AND NOT TO EXCEED 5 FT./SEC. (HOT WATER).

WASTE AND VENT PIPING SYSTEM:
BASIS OF DESIGN: 2023 OREGON PLUMBING SPECIALTY CODE, CHAPTER 7, 'SANITARY DRAINAGE'.
ALL WASTE PIPING SIZED AT 1/4"/FT. SLOPE UNLESS OTHERWISE NOTED.

PLUMBING FIXTURE SCHEDULE

TAG NUMBER	FIXTURE TYPE	ROUGH-IN SIZE (INCHES)					GPM/GPF	ELEC. CONNECTION	DESCRIPTION	NOTES
		W	V	CW	HW	TW				
WC-1	WATER CLOSET	4	2	1-1/2	-	-	1.1	N	WALL HUNG, MANUAL FLUSH VALVE	
WC-2	WATER CLOSET (ADA)	4	2	1-1/2	-	-	1.1	N	SAME AS WC-1, ADA HEIGHT	
WC-3	WATER CLOSET	4	2	1-1/2	-	-	1.1	N	FLOOR MOUNTED, FLUSH VALVE, ADA	
U-1	URINAL	2	1-1/2	1-1/4	-	-	0.5	N	WALL HUNG, SENSOR FLUSH VALVE, BATTERY OPPERATED	
U-2	URINAL (ADA)	2	1-1/2	1-1/4	-	-	0.5	N	SAME AS U-1, ADA HEIGHT	
L-1	LAVATORY	2	1-1/2	-	-	1/2	0.5	N	UNDERSINK-MOUNTED, ELECTRONIC SENSOR BATTERY POWERED	
L-2	LAVATORY	2	1-1/2	1/2	1/2	-	0.35	N	UNDERSINK-MOUNTED, ELECTRONIC SENSOR, BATTERY POWERED, ADA	
L-3	LAVATORY	2	1-1/2	1/2	1/2	-	0.35	N	WALL HUNG, SINGLE LEVER, ADA	1
MS-1	MOP SINK	3	2	3/4	3/4	-	2.2	-	36X36 FLOOR MOUNTED,	
EWC-1	ELECTRIC WATER COOLER	2	1-1/2	1/2	-	-	-	Y	DUAL HEIGHT, BOTTLE FILLER, CHILLER	

NOTES:
1. PROVIDE POINT OF USE MIXING VALVE AT ALL PUBLIC HANDWASHING LAVATORIES NOT ON A TEMPERED WATER LOOP.

WATER HEATER SCHEDULE

TAG NUMBER	DESCRIPTION	LOCATION	SERVICE	TYPE	STORAGE CAPACITY (GAL)	RECOVERY @ 100F RISE (GAL/HR)	ELECTRICAL					MANUFACTURER & MODEL
							NO. OF ELEMENTS	TOTAL kW	kW PER ELEMENT	FLA	VOLT/ PHASE	
EWH-C2039	ELECTRIC WATER HEATER	C2039 RESTROOM	DOMESTIC HOT WATER	TANKLESS/INSTANTANEOUS	-	-	1	1.4	1.4	12	120/1	EEMAX MINITANK EMT1
EWH-D2221	ELECTRIC WATER HEATER	D2221 JANITOR	DOMESTIC HOT WATER	TANK TYPE ELECTRIC WATER HEATER	50	74	3	18	6	21.7	480/3	AO SMITH DSE
EWH-T2TS39	ELECTRIC WATER HEATER	T2TS39 MECH/ELEC	DOMESTIC HOT WATER	TANK TYPE ELECTRIC WATER HEATER	50	74	3	18	6	21.7	480/3	AO SMITH DSE

TANK SCHEDULE

TAG NUMBER	DESCRIPTION	LOCATION	SERVICE	TYPE	SYSTEM TEMP. RANGE		FILL PRESSURE (PSIG)	MAX PRESSURE (PSIG)	RELIEF VALVE (PSIG)	MIN TANK VOLUME (GAL)	MIN ACCEPTANCE VOLUME (GAL)	INLET PIPE SIZE (IN)	MANUFACTURER & MODEL
					MIN (°F)	MAX (°F)							
DET-D2221	DOMESTIC WATER EXPANSION TANK	D2221 JANITOR	DOMESTIC WATER	THERMAL EXPANSION - POTABLE	60	140	50	80	80	6.4	3.2	0.75	AMTROL ST-12C
DET-T2TS39	DOMESTIC WATER EXPANSION TANK	T2TS39 MECH/ELEC	DOMESTIC WATER	THERMAL EXPANSION - POTABLE	60	140	50	80	80	2	0.7	0.75	AMTROL ST-5

PIPE SCHEDULE

SERVICE		MATERIAL
DOMESTIC WATER	BELOW GRADE - 3" AND SMALLER	COPPER: ASTM B88 HARD DRAWN COPPER TUBING, TYPE K, WROUGHT COPPER FITTINGS (150 PSI SERVICE), ANSI B16.50 BRAZED JOINTS.
	ABOVE GRADE - 3" AND SMALLER	COPPER: ASTM B88 HARD DRAWN COPPER TUBING, TYPE L, WROUGHT COPPER FITTINGS (150 PSI SERVICE), ANSI B16.22 SOLDERED JOINTS, ANSI B16.50 BRAZED JOINTS (PIPING 2 INCHES AND LARGER).
SANITARY WASTE	BELOW GRADE	CAST IRON SOIL PIPE, SERVICE WEIGHT (NO HUB): NO HUB PIPE AND FITTINGS ASTM A74, CISPI, WITH 28 GAUGE 304 STAINLESS STEEL CLAMP AND CORRUGATED SHIELD ASSEMBLIES HAVING NEOPRENE GASKETS ASTM C564, CISPI 310-90.
	ABOVE GRADE	CAST IRON SOIL PIPE, SERVICE WEIGHT (NO HUB): NO HUB PIPE AND FITTINGS ASTM A74, CISPI, WITH STAINLESS STEEL CLAMP AND CORRUGATED SHIELD ASSEMBLIES HAVING NEOPRENE GASKETS ASTM C564, CISPI 310-90.
SANITARY VENT	BELOW GRADE	CAST IRON SOIL PIPE, SERVICE WEIGHT (NO HUB): NO HUB PIPE AND FITTINGS ASTM A74, CISPI, WITH 28 GAUGE 304 STAINLESS STEEL CLAMP AND CORRUGATED SHIELD ASSEMBLIES HAVING NEOPRENE GASKETS ASTM C564, CISPI 310-90.
	ABOVE GRADE	CAST IRON SOIL PIPE, SERVICE WEIGHT (NO HUB): NO HUB PIPE AND FITTINGS ASTM A74, CISPI, WITH STAINLESS STEEL CLAMP AND CORRUGATED SHIELD ASSEMBLIES HAVING NEOPRENE GASKETS ASTM C564, CISPI 310-90.
TRAP PRIMING LINES		COPPER: ASTM B88 HARD DRAWN COPPER TUBING, TYPE L ANNEALED, WROUGHT COPPER FITTINGS (150 PSI SERVICE), ANSI B16.22 SOLDERED JOINTS.
WELL WATER		COPPER: ASTM B88 HARD DRAWN COPPER TUBING, TYPE L, WROUGHT COPPER FITTINGS (150 PSI SERVICE), ANSI B16.22 SOLDERED JOINTS, ANSI B16.50 BRAZED JOINTS (PIPING 2 INCHES AND LARGER).

MISCELLANEOUS PLUMBING EQUIPMENT SCHEDULE

TAG NUMBER	LOCATION	DESCRIPTION	ELECTRICAL
MV-D2221	D2221 JANITOR	MASTER MIXING VALVE 10 GPM FLOW RATE, WITH 5 PSI LOSS 140°F INLET TEMPERATURE 105°F OUTLET TEMPERATURE BASED ON: WATTS INTELISTATION 2 ELECTRONIC MIXING VALVE	120V, 1PH
MV-T1TE05	T1TE05 JAN	MASTER MIXING VALVE 10 GPM FLOW RATE, WITH 5 PSI LOSS 140°F INLET TEMPERATURE 105°F OUTLET TEMPERATURE BASED ON: WATTS INTELISTATION 2 ELECTRONIC MIXING VALVE	120V, 1PH
MV-T2TS39	T2TS39 MECH/ELEC	MASTER MIXING VALVE 10 GPM FLOW RATE, WITH 5 PSI LOSS 140°F INLET TEMPERATURE 105°F OUTLET TEMPERATURE BASED ON: WATTS INTELISTATION 2 ELECTRONIC MIXING VALVE	120V, 1PH
TP-D2221	D2221 JANITOR	ELECTRONIC TRAP PRIMER 1-16 OPENING MANIFOLD BASED ON: PPP ELECTRONIC TRAP PRIMER	120V, 1PH
TP-D2648	D2648 MECH	ELECTRONIC TRAP PRIMER 1-16 OPENING MANIFOLD BASED ON: PPP ELECTRONIC TRAP PRIMER	120V, 1PH
IRR-T2TS39	T2TS39 MECH/ELEC	IRRIGATION CONTROLLER WITH HV SERIES VALVE BASED ON: RAIN BIRD RZX61	120V, 1PH
RPBA-T2TS39	T2TS39 MECH/ELEC	REDUCED PRESSURE BACKFLOW PREVENTER 1.5 GPM @ 12 PSIG LOSS BASED ON: FEBCO (3/4")	-

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 82382PE OREGON DECEMBER 14, 2014 TRAVIS J. LEWIS
07/14/2026
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

EQUIPMENT SCHEDULE - PLUMBING

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	E. WALCZYK
DRAWN BY	C. RICHARDS
CHECKED BY	T. LEWIS
DATE	JULY 2026
SHEET NO.	81
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	P0.03

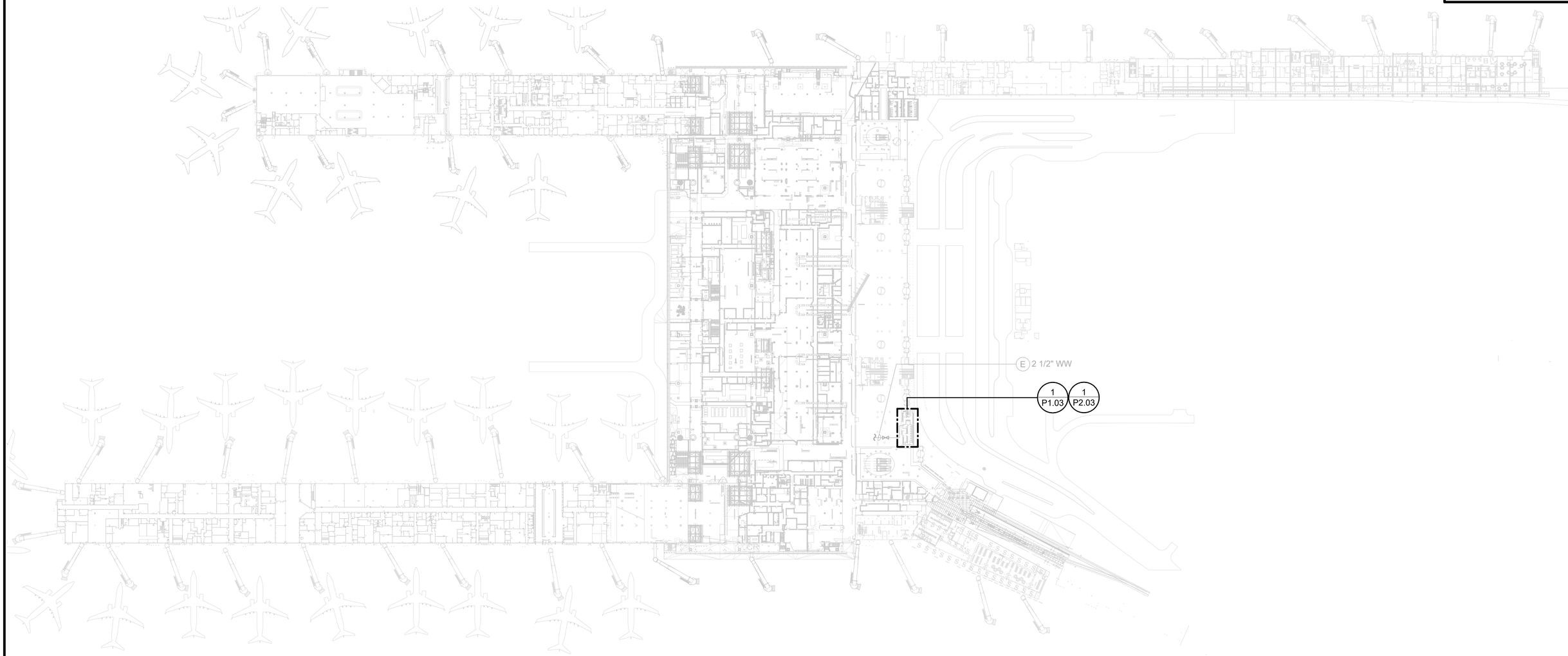
light gray
dark gray
black

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.

N

0" 50' 100' 200' 300'

SCALE: IN FEET



1 DEPLANING - KEY PLAN - PLUMBING
SCALE: 1" = 100'-0"

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
82382PE
OREGON
DECEMBER 14, 2014
TRAVIS J. LEWIS
07/14/2026
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

DEPLANING LEVEL - KEY PLAN - PLUMBING

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	E. WALCZYK
DRAWN BY	C. RICHARDS
CHECKED BY	T. LEWIS
DATE	JULY 2026
SHEET NO.	82
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	P0.10

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

light gray
dark gray
black

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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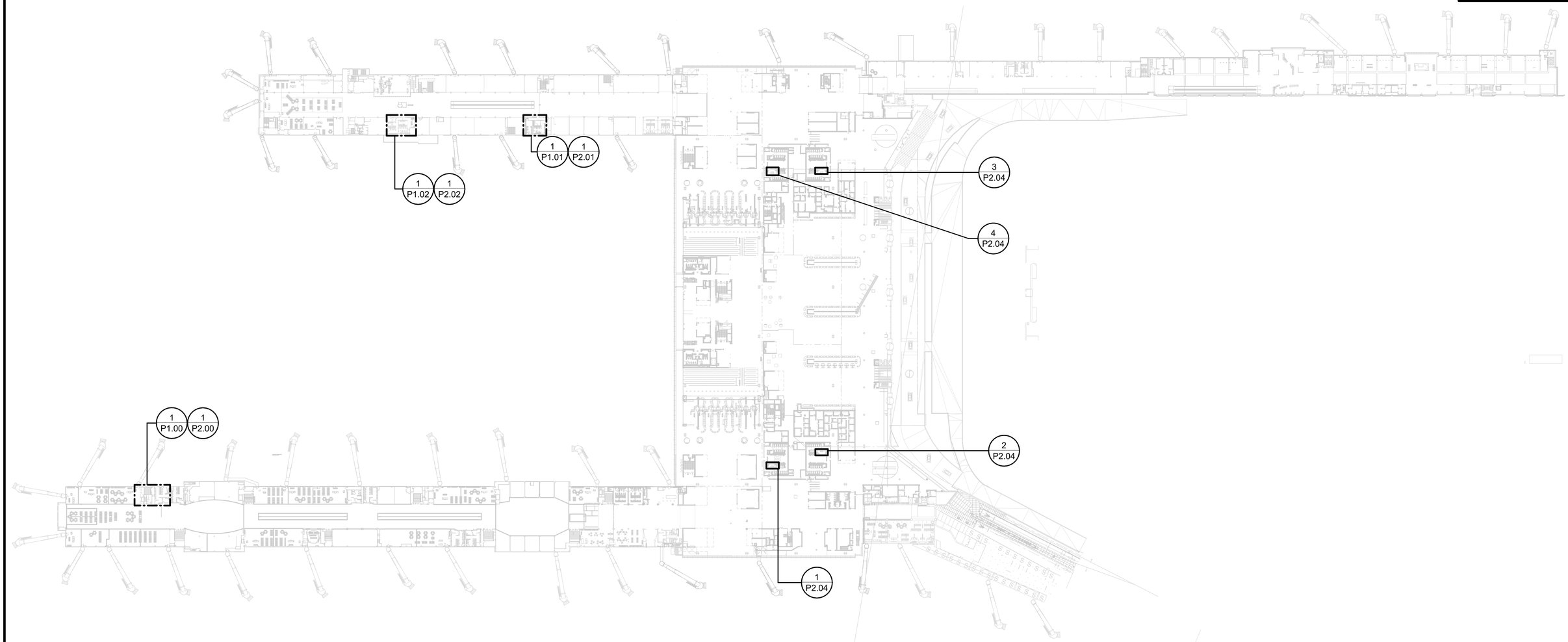
SCALE: IN FEET



1 ENPLANING - KEY PLAN - PLUMBING
SCALE: 1" = 100'-0"

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 82382PE OREGON DECEMBER 14, 2014 TRAVIS J. LEWIS
07/14/2026
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

ENPLANING LEVEL - KEY PLAN - PLUMBING

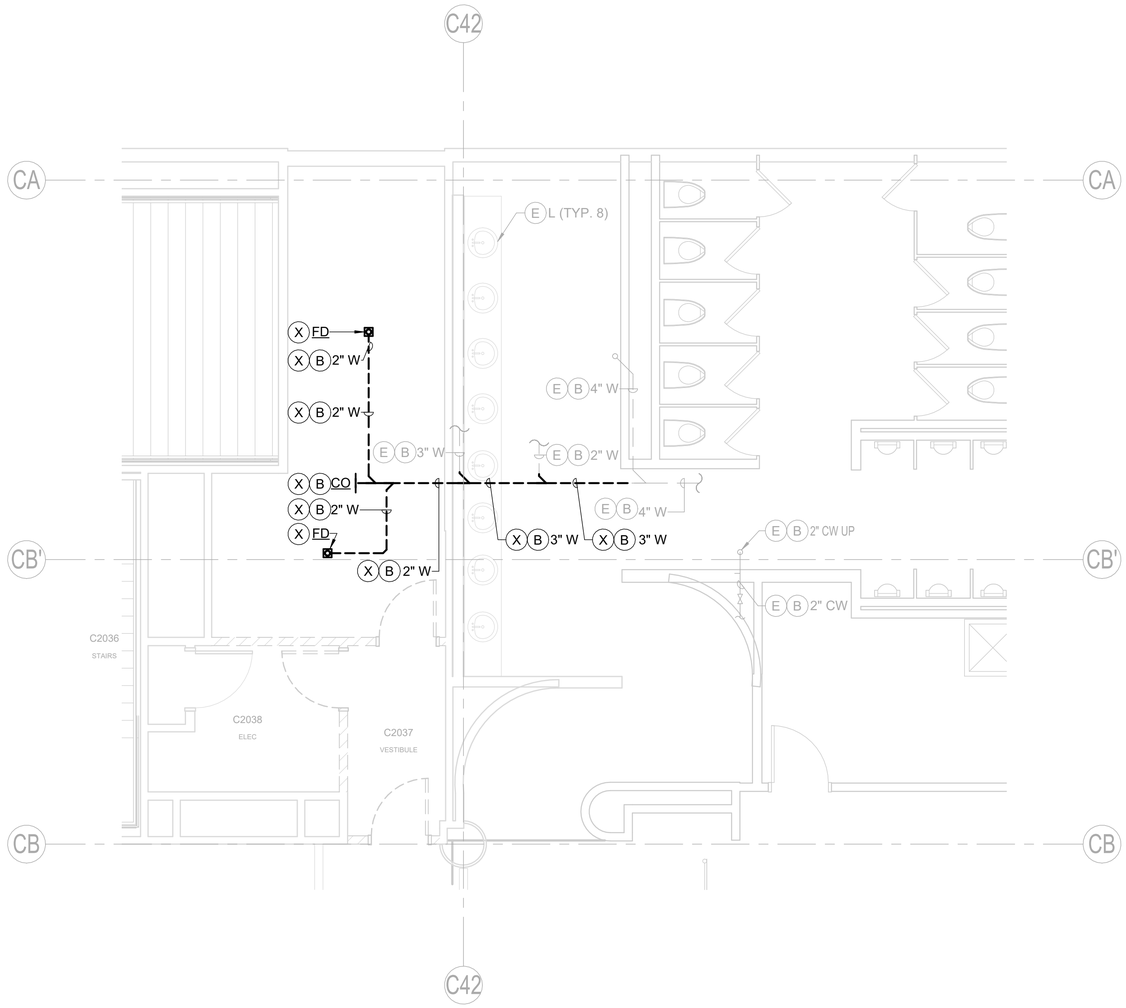
SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	E. WALCZYK		
DRAWN BY	C. RICHARDS		
CHECKED BY	T. LEWIS		
DATE	JULY 2026		
SHEET NO.	83	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	P0.20

light gray
dark gray
black

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.

0' 2' 4' 8' 12'

SCALE: IN FEET



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

GENERAL NOTES

A. CONTRACTOR TO VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING WORK. PRIOR TO PROCEEDING WITH WORK, NOTIFY ARCHITECT ABOUT ANY DISCREPANCIES BETWEEN THE DOCUMENTS AND FIELD CONDITIONS.

B. COORDINATE DEMOLITION WORK WITH ALL OTHER TRADES.

C. PIPING AND EQUIPMENT SERVING AREAS OUTSIDE OF THE PROJECT SCOPE TO REMAIN IN SERVICE. AFTER COMPLETING DEMO WORK, VERIFY THAT SERVICES TO AREAS NOT INCLUDED IN THE DEMO WORK SCOPE ARE FUNCTIONAL.

D. DEMOLITION WORK INCLUDES BUT IS NOT LIMITED TO: REMOVAL OF EQUIPMENT, SUPPORTS, ANCHORS, PIPING AND APPURTENANCES.

E. EXISTING WORK SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

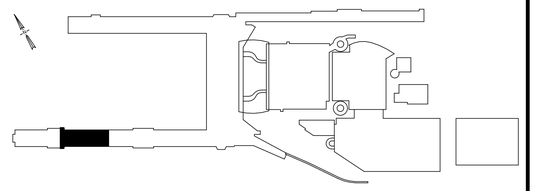
F. PATCH AND REPAIR OPENINGS MADE BY REMOVALS. REFER TO ARCHITECTURAL SPECIFICATIONS FOR PATCHING AND REPAIR OF EXISTING WALLS AND FLOORS.

G. ALL BRANCH PIPING TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO NEAREST MAIN AND CAPPED.

H. PIPING SHOWN ON ENPLANING LEVEL SHEETS DENOTED WITH KEY NOTE B IS LOCATED IN THE CEILING SPACE OF THE DEPLANING LEVEL.

KEY NOTES (#)

1. RETAIN TRAP PRIMER LINE TO EXISTING FLOOR DRAIN FOR RE-USE WITH NEW FLOOR DRAIN.



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

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
82382PE
OREGON
DECEMBER 14, 2014
TRAVIS J. LEWIS
07/14/2026
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE C - ENPLANING - SECTOR 5 - C2039 - DEMO PLAN - PLUMBING

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	E. WALCZYK
DRAWN BY	C. RICHARDS
CHECKED BY	T. LEWIS
DATE	JULY 2026
SHEET NO.	84
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	P1.00

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.

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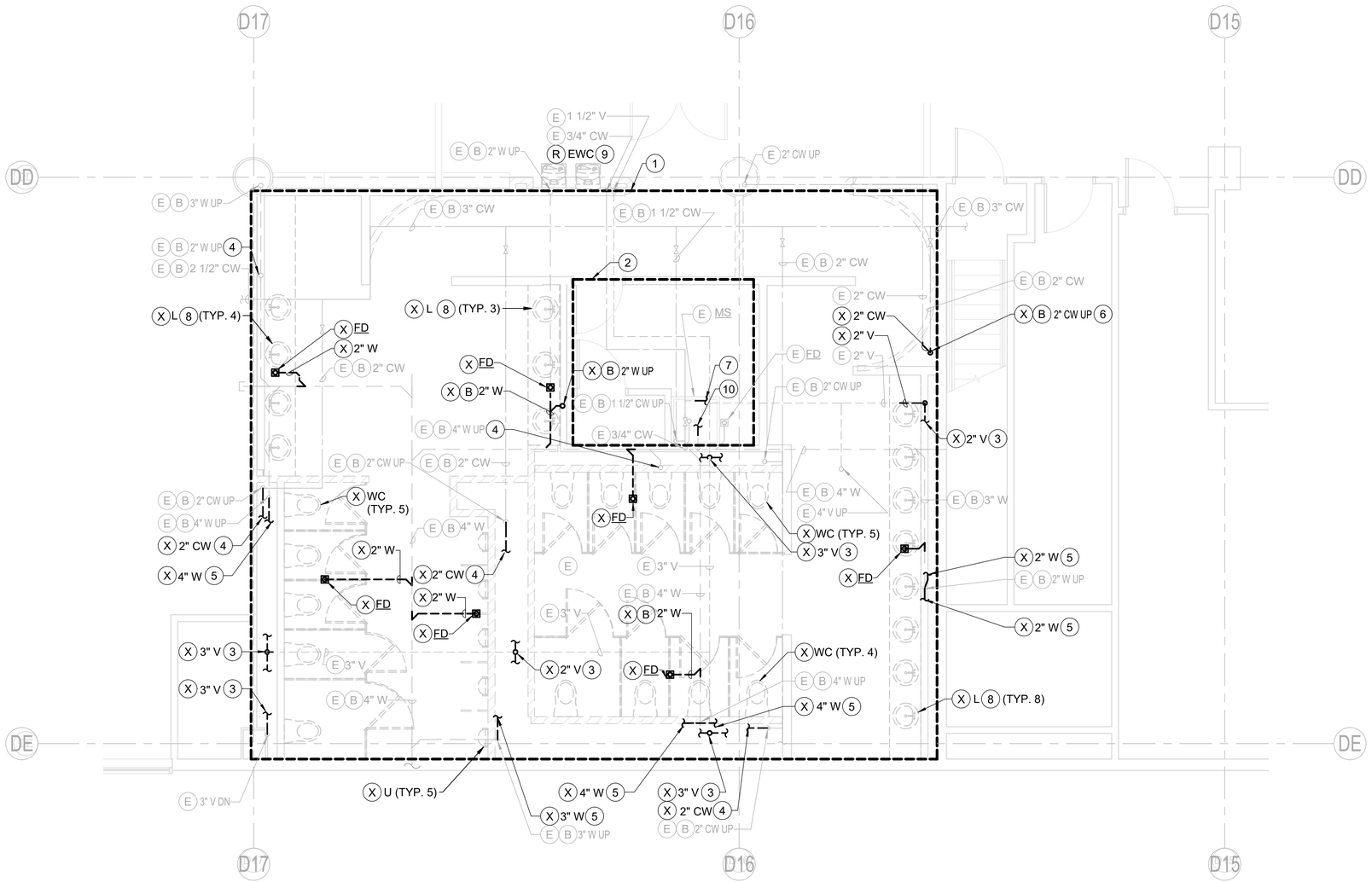


1 CONCOURSE D - SECTOR 2 - D2221, D2222, D2223 - ENPLANING - DEMO PLAN - PLUMBING
SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. CONTRACTOR TO VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING WORK. PRIOR TO PROCEEDING WITH WORK, NOTIFY ARCHITECT ABOUT ANY DISCREPANCIES BETWEEN THE DOCUMENTS AND FIELD CONDITIONS.

B. COORDINATE DEMOLITION WORK WITH ALL OTHER TRADES.

C. PIPING AND EQUIPMENT SERVING AREAS OUTSIDE OF THE PROJECT SCOPE TO REMAIN IN SERVICE. AFTER COMPLETING DEMO WORK, VERIFY THAT SERVICES TO AREAS NOT INCLUDED IN THE DEMO WORK SCOPE ARE FUNCTIONAL.

D. DEMOLITION WORK INCLUDES BUT IS NOT LIMITED TO: REMOVAL OF EQUIPMENT, SUPPORTS, ANCHORS, PIPING AND APPURTENANCES.

E. EXISTING WORK SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

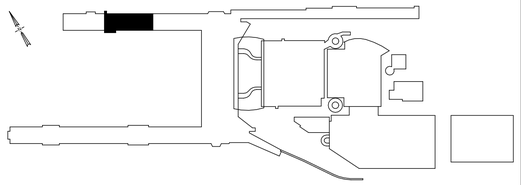
F. PATCH AND REPAIR OPENINGS MADE BY REMOVALS. REFER TO ARCHITECTURAL SPECIFICATIONS FOR PATCHING AND REPAIR OF EXISTING WALLS AND FLOORS.

G. ALL BRANCH PIPING TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO NEAREST MAIN AND CAPPED.

H. PIPING SHOWN ON ENPLANING LEVEL SHEETS DENOTED WITH KEY NOTE B IS LOCATED IN THE CEILING SPACE OF THE DEPLANING LEVEL.

KEY NOTES (#)

1. DEMO ALL FIXTURES AND ROUGH-INS WITHIN DESIGNATED REGION UNLESS NOTED OTHERWISE. DEMO ALL HOT WATER PIPING SERVING RESTROOM FIXTURES.
2. DEMO ALL EXISTING PLUMBING EQUIPMENT WITHIN DESIGNATED REGION. DO NOT DEMO EXISTING FLOOR DRAIN AND MOP SINK.
3. DEMO ALL VENT PIPING WITHIN WALL/CHASE UNLESS NOTED OTHERWISE.
4. DEMO ALL CW PIPING WITHIN WALL/CHASE BACK TO RISER. RETAIN RISER FOR NEW CONSTRUCTION.
5. DEMO WASTE PIPING WITHIN PLUMBING WALL/CHASE BACK TO RISER. RETAIN RISER FOR FUTURE CONSTRUCTION.
6. CW RISER SERVES MEZZANINE LEVEL. VERIFY WITH THE PORT PRIOR TO BEGINNING DEMOLITION WORK.
7. DEMO EXISTING CW PIPING SERVING TO BE DEMOED PLUMBING EQUIPMENT BACK TO MAIN AND CAP FOR USE IN NEW CONSTRUCTION.
8. DEMO ALL TEMPERED WATER SERVING LAVS.
9. ADJUST ELEVATION OF EXISTING WATER COOLER TO COMPLY WITH ADA REQUIREMENTS. ADJUST ROUGH-IN AS REQUIRED.
10. DEMO ALL HOT WATER PIPING SERVING EXISTING PLUMBING EQUIPMENT. RETAIN EXISTING BRANCH PIPING FROM MOP SINK AND CONNECT BACK TO NEW HOT WATER MAIN INSTALLED DURING NEW CONSTRUCTION.



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 82382PE OREGON DECEMBER 14, 2014 TRAVIS J. LEWIS
07/14/2026
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE D - ENPLANING - SECTOR 2 - D2221, D2222, D2223 - DEMO PLAN - PLUMBING

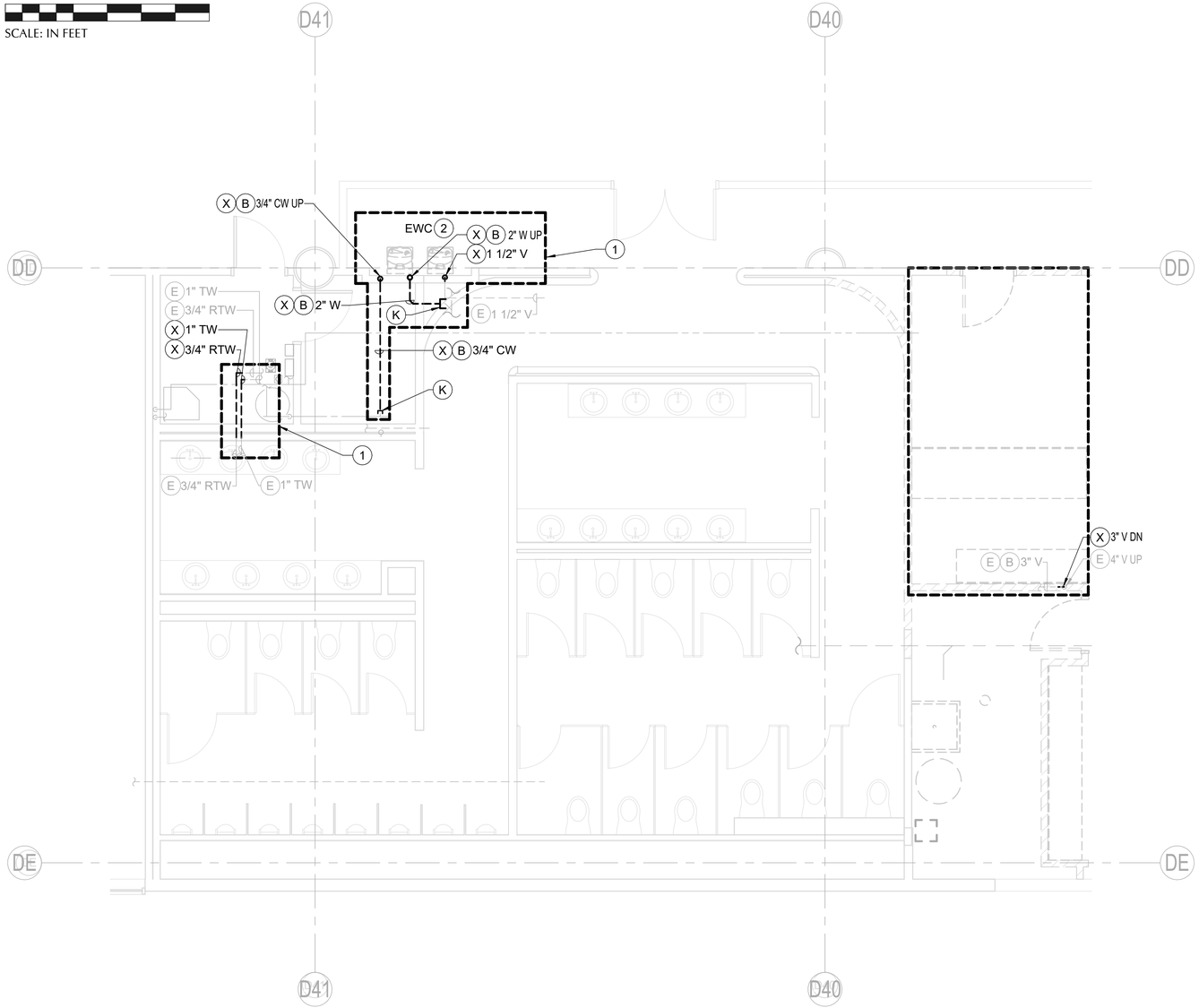
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	E. WALCZYK
DRAWN BY	C. RICHARDS
CHECKED BY	T. LEWIS
DATE	JULY 2026
SHEET NO.	85
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	P1.01

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.

light gray | dark gray | black

0' 2' 4' 8' 12'

SCALE: IN FEET



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

GENERAL NOTES

A. CONTRACTOR TO VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING WORK. PRIOR TO PROCEEDING WITH WORK, NOTIFY ARCHITECT ABOUT ANY DISCREPANCIES BETWEEN THE DOCUMENTS AND FIELD CONDITIONS.

B. COORDINATE DEMOLITION WORK WITH ALL OTHER TRADES.

C. PIPING AND EQUIPMENT SERVING AREAS OUTSIDE OF THE PROJECT SCOPE TO REMAIN IN SERVICE. AFTER COMPLETING DEMO WORK, VERIFY THAT SERVICES TO AREAS NOT INCLUDED IN THE DEMO WORK SCOPE ARE FUNCTIONAL.

D. DEMOLITION WORK INCLUDES BUT IS NOT LIMITED TO: REMOVAL OF EQUIPMENT, SUPPORTS, ANCHORS, PIPING AND APPURTENANCES.

E. EXISTING WORK SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

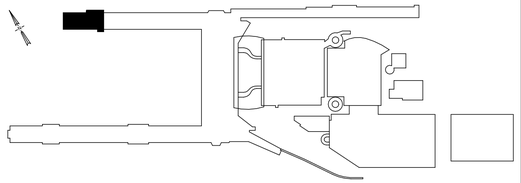
F. PATCH AND REPAIR OPENINGS MADE BY REMOVALS. REFER TO ARCHITECTURAL SPECIFICATIONS FOR PATCHING AND REPAIR OF EXISTING WALLS AND FLOORS.

G. ALL BRANCH PIPING TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO NEAREST MAIN AND CAPPED.

H. PIPING SHOWN ON ENPLANING LEVEL SHEETS DENOTED WITH KEY NOTE B IS LOCATED IN THE CEILING SPACE OF THE DEPLANING LEVEL.

KEY NOTES (#)

1. AREA OF WORK.
2. REMOVE EXISTING DRINKING FOUNTAIN AND SALVAGE FOR REUSE.



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0 1/2" 1" 2"

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
82382PE
OREGON
DECEMBER 14, 2014
TRAVIS J. LEWIS
EXPIRES: 12/31/2026
07/14/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE D - ENPLANING - SECTOR 3 - D2646, D2647 - DEMO PLAN - PLUMBING

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	E. WALCZYK
DRAWN BY	C. RICHARDS
CHECKED BY	T. LEWIS
DATE	JULY 2026
SHEET NO.	86
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	P1.02

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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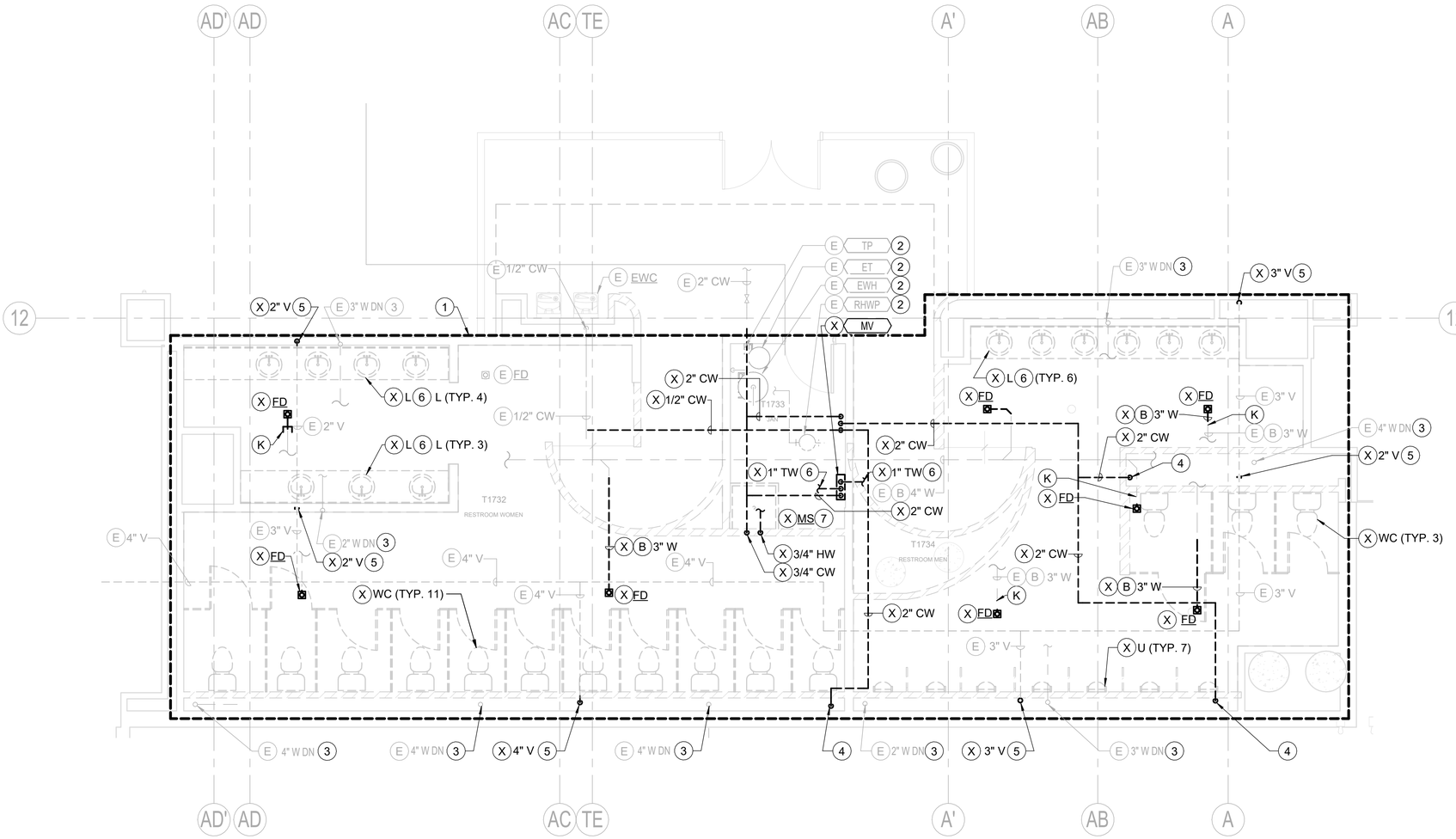

1 TERMINAL - SECTOR E5 - T1732, T1733, T1734 - DEPLANING - DEMO PLAN - PLUMBING
SCALE: 1/4" = 1'-0"

GENERAL NOTES

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B. COORDINATE DEMOLITION WORK WITH ALL OTHER TRADES.

C. PIPING AND EQUIPMENT SERVING AREAS OUTSIDE OF THE PROJECT SCOPE TO REMAIN IN SERVICE. AFTER COMPLETING DEMO WORK, VERIFY THAT SERVICES TO AREAS NOT INCLUDED IN THE DEMO WORK SCOPE ARE FUNCTIONAL.

D. DEMOLITION WORK INCLUDES BUT IS NOT LIMITED TO: REMOVAL OF EQUIPMENT, SUPPORTS, ANCHORS, PIPING AND APPURTENANCES.

E. EXISTING WORK SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

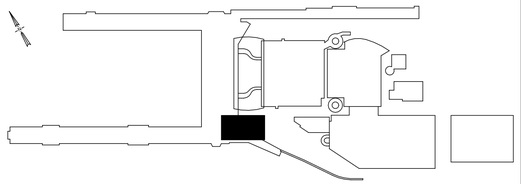
F. PATCH AND REPAIR OPENINGS MADE BY REMOVALS. REFER TO ARCHITECTURAL SPECIFICATIONS FOR PATCHING AND REPAIR OF EXISTING WALLS AND FLOORS.

G. ALL BRANCH PIPING TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO NEAREST MAIN AND CAPPED.

H. PIPING SHOWN ON DEPLANING LEVEL SHEETS DENOTED WITH KEY NOTE B IS LOCATED BELOW GRADE.

KEY NOTES (#)

1. DEMO ALL FIXTURES AND FIXTURE ROUGH-INS WITHIN DESIGNATED REGION UNLESS NOTED OTHERWISE.
2. EXISTING PLUMBING EQUIPMENT WAS INSTALLED DURING TCORE PROJECT. EXISTING TO REMAIN PIPING ASSOCIATED WITH EQUIPMENT CAN BE SEEN IN DETAIL 3/P5.02. DEMO ALL OTHER PIPING WITHIN JANITORS CLOSET.
3. DEMO ALL WASTE PIPING WITHIN WALL BACK TO WASTE RISER, CAP RISER ABOVE GRADE AND FOR USE IN NEW CONSTRUCTION UNLESS NOTED OTHERWISE.
4. DEMO ALL CW WATER PIPING WITHIN CHASE/WALL.
5. DEMO ALL VENT PIPING WITHIN WALL/CHASE BACK TO MAIN WITHIN CEILING.
6. DEMO ALL TEMPERED WATER PIPING SERVING LAVS.
7. RETAIN EXISTING WASTE AND VENT PIPING FOR MOP SINK TO RE-USE WITH NEW MOP SINK.



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

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Portland, OR 97204 pae-engineers.com

REGISTERED PROFESSIONAL ENGINEER 82382PE OREGON DECEMBER 14, 2014 TRAVIS J. LEWIS
07/14/2026
EXPIRES: 12/31/2026

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

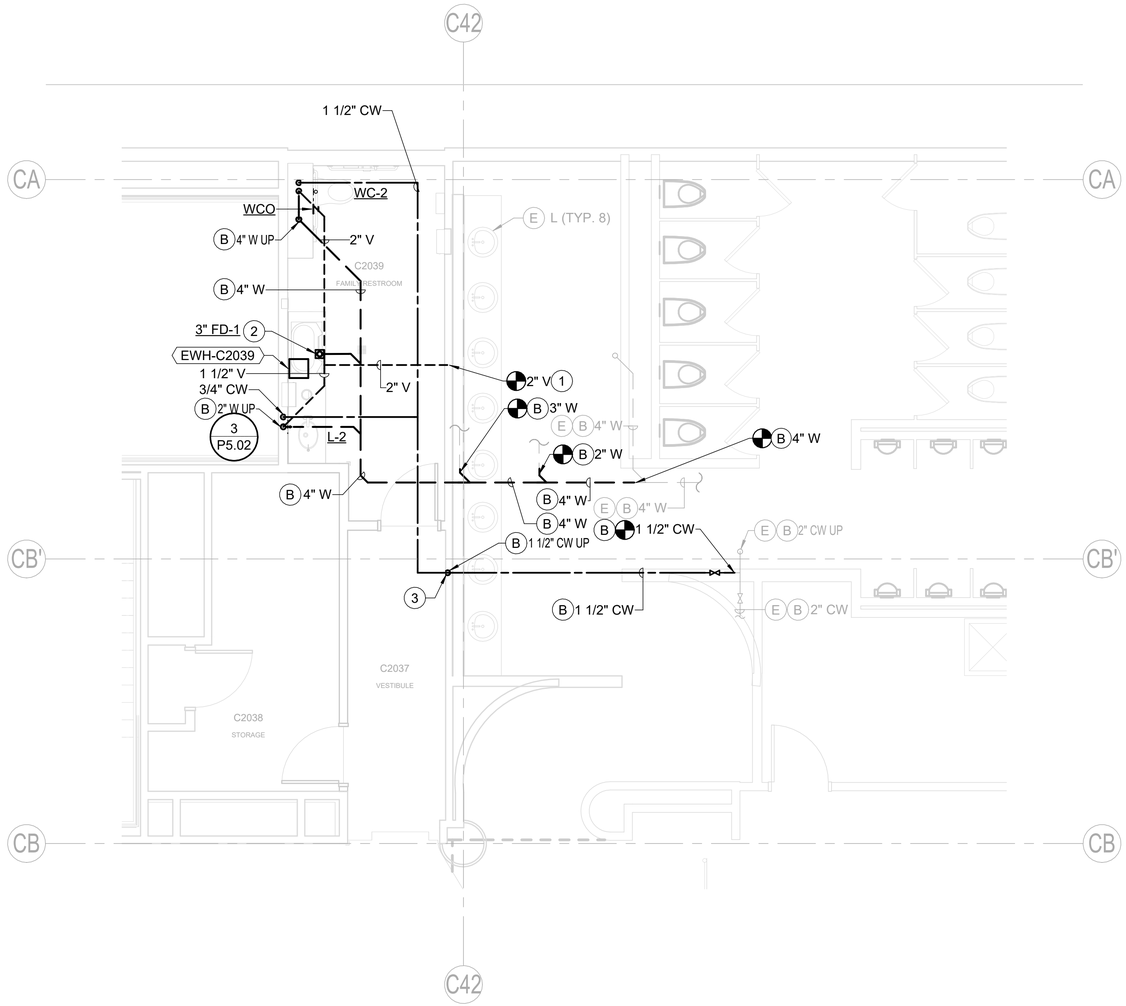
TERMINAL - DEPLANING - SECTOR E5 - T1732, T1733, T1734 - DEMO PLAN - PLUMBING

SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	E. WALCZYK		
DRAWN BY	C. RICHARDS		
CHECKED BY	T. LEWIS		
DATE	JULY 2026		
SHEET NO.	87	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	P1.03

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.

0' 2' 4' 8' 12'

SCALE: IN FEET



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

GENERAL NOTES

A. COORDINATE WORK WITH ALL OTHER TRADES.

B. VERIFY ALL EQUIPMENT CONNECTIONS WITH THE MANUFACTURERS CERTIFIED DRAWINGS. VERIFY AND PROVIDE TRANSITIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DIMENSIONS BEFORE FABRICATION.

C. DRAWINGS ARE DIAGRAMMATIC. NOT ALL OFFSETS AND TRANSITIONS IN PIPING ARE SHOWN IN THE DRAWINGS. PROVIDE OFFSETS AND TRANSITIONS REQUIRED FOR INSTALLATION.

D. ALL VALVES, WATER HAMMER ARRESTORS, ECT. NEED TO BE INSTALLED IN READILY ACCESSIBLE LOCATIONS.

E. EXISTING WORK SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

F. VERIFY EXACT SIZES, LOCATIONS, INVERTS AND ELEVATIONS PRIOR TO RUNNING ANY PIPING. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL FIXTURES AND EQUIPMENT.

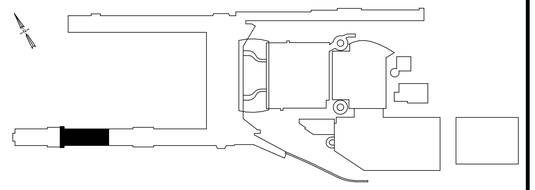
G. PROVIDE WATER HAMMER ARRESTORS BEHIND ACCESS PANEL FOR URINAL BANKS AND BEHIND TOILET SEAT COVER DISPENSER FOR WATER CLOSETS. SIZE AND LOCATE WATER HAMMER ARRESTORS PER PDI STANDARDS.

H. TRAP PRIMING SHALL BE PROVIDED FOR ALL FLOOR DRAINS AND FLOOR SINKS FROM ELECTRONIC TRAP PRIMERS.

I. PIPING SHOWN ON ENPLANING LEVEL SHEETS DENOTED WITH KEY NOTE B IS LOCATED IN THE CEILING SPACE OF THE DEPLANING LEVEL.

KEY NOTES (#)

1. CONNECT NEW VENT TO EXISTING VENT FROM ADJACENT RESTROOM.
2. CONNECT FLOOR DRAIN TO EXISTING TRAP PRIMER LINE FROM FLOOR DRAIN REMOVED DURING THE DEMO PHASE.
3. PROVIDE SHUT OFF VALVE IN WALL ON VERTICAL PIPING WITH ACCESS PANEL.



NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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503.226.2921 pae-engineers.com

2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 82382PE OREGON DECEMBER 14, 2014 TRAVIS J. LEWIS
07/14/2026
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
CONCOURSE C - ENPLANING - SECTOR 5 - C2039 - FLOOR PLAN - PLUMBING

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	E. WALCZYK
DRAWN BY	C. RICHARDS
CHECKED BY	T. LEWIS
DATE	JULY 2026
SHEET NO.	88 TYPE CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	P2.00

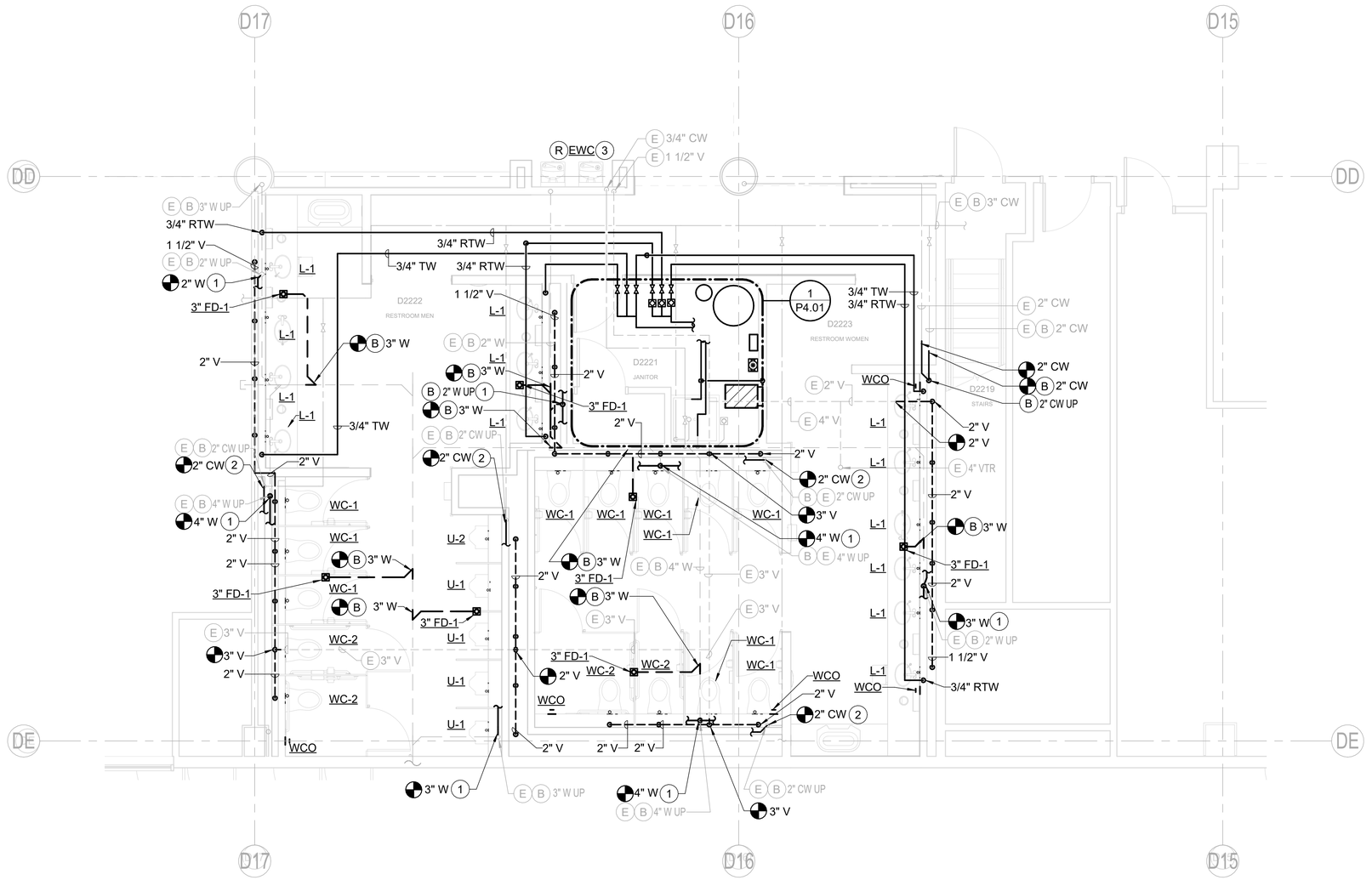
DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17". GRAPHIC SCALE-FOR REFERENCE ONLY
0 1/16" 1/8" 1/4" 1/2" 1" 2"

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.

light gray | dark gray | black

0' 2' 4' 8' 12'

SCALE: IN FEET



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

GENERAL NOTES

A. COORDINATE WORK WITH ALL OTHER TRADES.

B. VERIFY ALL EQUIPMENT CONNECTIONS WITH THE MANUFACTURERS CERTIFIED DRAWINGS. VERIFY AND PROVIDE TRANSITIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DIMENSIONS BEFORE FABRICATION.

C. DRAWINGS ARE DIAGRAMMATIC. NOT ALL OFFSETS AND TRANSITIONS IN PIPING ARE SHOWN IN THE DRAWINGS. PROVIDE OFFSETS AND TRANSITIONS REQUIRED FOR INSTALLATION.

D. ALL VALVES, WATER HAMMER ARRESTORS, ECT. NEED TO BE INSTALLED IN READILY ACCESSIBLE LOCATIONS.

E. EXISTING WORK SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

F. VERIFY EXACT SIZES, LOCATIONS, INVERTS AND ELEVATIONS PRIOR TO RUNNING ANY PIPING. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL FIXTURES AND EQUIPMENT.

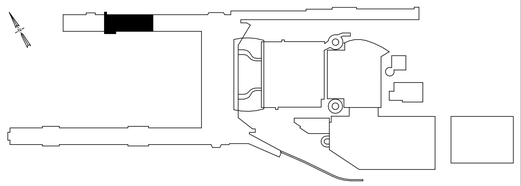
G. PROVIDE WATER HAMMER ARRESTORS BEHIND ACCESS PANEL FOR URINAL BANKS AND BEHIND TOILET SEAT COVER DISPENSER FOR WATER CLOSETS. SIZE AND LOCATE WATER HAMMER ARRESTORS PER PDI STANDARDS.

H. TRAP PRIMING SHALL BE PROVIDED FOR ALL FLOOR DRAINS AND FLOOR SINKS FROM ELECTRONIC TRAP PRIMERS.

I. PIPING SHOWN ON ENPLANING LEVEL SHEETS DENOTED WITH KEY NOTE B IS LOCATED IN THE CEILING SPACE OF THE DEPLANING LEVEL.

KEY NOTES (#)

1. ROUTE WASTE PIPE WITHIN CHASE/WALL TO PLUMBING FIXTURES.
2. ROUTE CW PIPING WITHIN CHASE/WALL TO PLUMBING FIXTURES. PROVIDE FULL SIZE WATER HEADER TO LAST FIXTURE.
3. WATER COOLER SALVAGED FOR REUSE. INSTALL AT ADA REQUIRED ELEVATIONS. SEE DEMO SHEET P1.01 FOR ADDITIONAL INFORMATION. SEE ARCHITECTURAL PLANS FOR EXACT FIXTURE LOCATION.



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 82382PE OREGON DECEMBER 14, 2014 TRAVIS J. LEWIS
07/14/2026
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

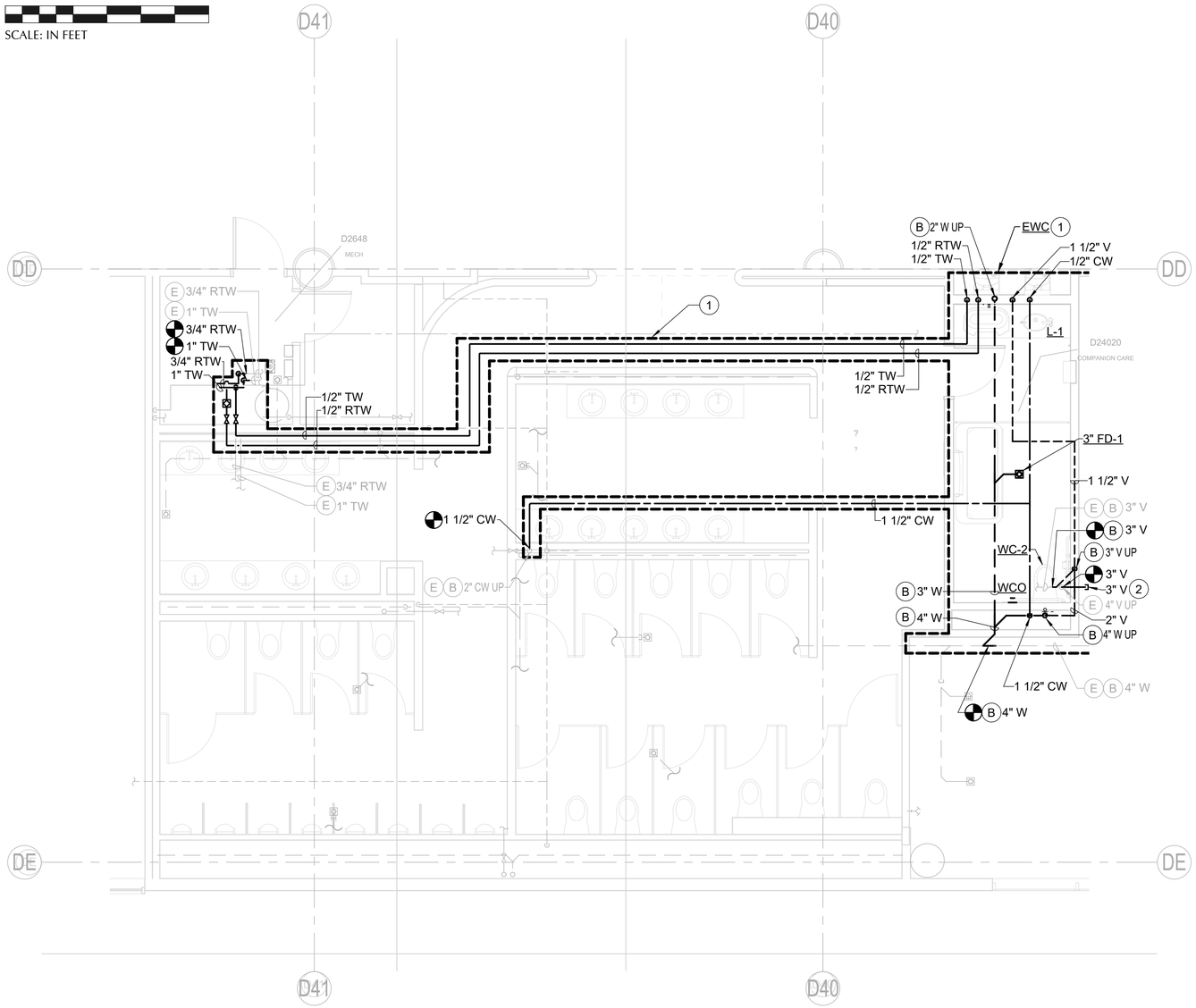
CONCOURSE D - ENPLANING - SECTOR 2 - D2221, D2222, D2223 - FLOOR PLAN - PLUMBING

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	E. WALCZYK
DRAWN BY	C. RICHARDS
CHECKED BY	T. LEWIS
DATE	JULY 2026
SHEET NO.	89
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	P2.01

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.

0' 2' 4' 8' 12'

SCALE: IN FEET



1 CONCOURSE D - SECTOR 3 - D24020 - ENPLANING - FLOOR PLAN - PLUMBING
SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. COORDINATE WORK WITH ALL OTHER TRADES.

B. VERIFY ALL EQUIPMENT CONNECTIONS WITH THE MANUFACTURERS CERTIFIED DRAWINGS. VERIFY AND PROVIDE TRANSITIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DIMENSIONS BEFORE FABRICATION.

C. DRAWINGS ARE DIAGRAMMATIC. NOT ALL OFFSETS AND TRANSITIONS IN PIPING ARE SHOWN IN THE DRAWINGS. PROVIDE OFFSETS AND TRANSITIONS REQUIRED FOR INSTALLATION.

D. ALL VALVES, WATER HAMMER ARRESTORS, ECT. NEED TO BE INSTALLED IN READILY ACCESSIBLE LOCATIONS.

E. EXISTING WORK SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

F. VERIFY EXACT SIZES, LOCATIONS, INVERTS AND ELEVATIONS PRIOR TO RUNNING ANY PIPING. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL FIXTURES AND EQUIPMENT.

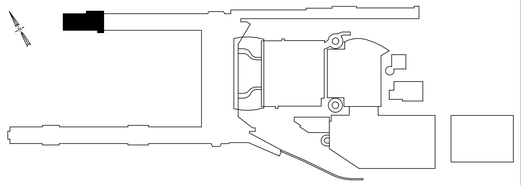
G. PROVIDE WATER HAMMER ARRESTORS BEHIND ACCESS PANEL FOR URINAL BANKS AND BEHIND TOILET SEAT COVER DISPENSER FOR WATER CLOSETS. SIZE AND LOCATE WATER HAMMER ARRESTORS PER PDI STANDARDS.

H. TRAP PRIMING SHALL BE PROVIDED FOR ALL FLOOR DRAINS AND FLOOR SINKS FROM ELECTRONIC TRAP PRIMERS.

I. PIPING SHOWN ON ENPLANING LEVEL SHEETS DENOTED WITH KEY NOTE B IS LOCATED IN THE CEILING SPACE OF THE DEPLANING LEVEL.

KEY NOTES (#)

1. INSTALL OWNER PROVIDED DRINKING FOUNTAIN.
2. CAP FOR FUTURE USE.
3. AREA OF WORK.



NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

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REGISTERED PROFESSIONAL ENGINEER 82382PE OREGON DECEMBER 14, 2014 TRAVIS J. LEWIS
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PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE D - ENPLANING - SECTOR 3 - D24020 - FLOOR PLAN - PLUMBING

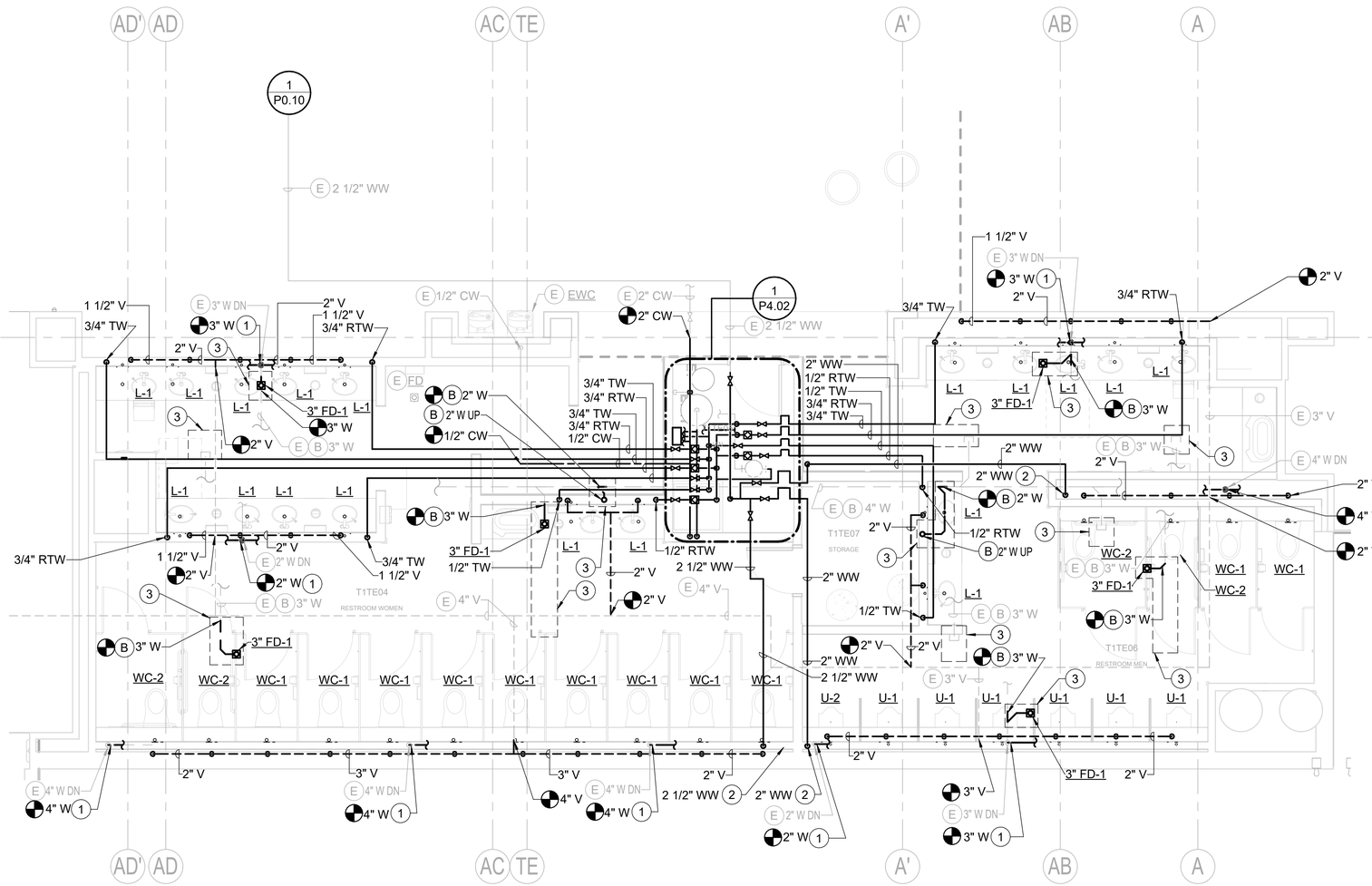
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	E. WALCZYK
DRAWN BY	C. RICHARDS
CHECKED BY	T. LEWIS
DATE	JULY 2026
SHEET NO.	90
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	P2.02

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

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.

0' 2' 4' 8' 12'

SCALE: IN FEET



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

GENERAL NOTES

A. COORDINATE WORK WITH ALL OTHER TRADES.

B. VERIFY ALL EQUIPMENT CONNECTIONS WITH THE MANUFACTURERS CERTIFIED DRAWINGS. VERIFY AND PROVIDE TRANSITIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DIMENSIONS BEFORE FABRICATION.

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G. PROVIDE WATER HAMMER ARRESTORS BEHIND ACCESS PANEL FOR URINAL BANKS AND BEHIND TOILET SEAT COVER DISPENSER FOR WATER CLOSETS. SIZE AND LOCATE WATER HAMMER ARRESTORS PER PDI STANDARDS.

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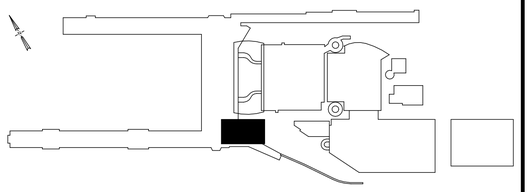
I. PIPING SHOWN ON DEPLANING LEVEL SHEETS DENOTED WITH KEY NOTE B IS LOCATED BELOW GRADE.

KEY NOTES (#)

1. ROUTE WASTE PIPE WITHIN CHASE/WALL TO PLUMBING FIXTURES.

2. ROUTE WW PIPING WITHIN CHASE/WALL TO PLUMBING FIXTURES. PROVIDE FULL SIZE WATER HEADER TO LAST FIXTURE.

3. EXTENT OF SAW CUTTING REQUIRED TO INSTALL UNDERGROUND PLUMBING OR CAP EXISTING UNDERGROUND PLUMBING. FIELD VERIFY. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR CONCRETE REPAIR AND FINISH REQUIREMENTS.



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 82382PE OREGON DECEMBER 14, 2014 TRAVIS J. LEWIS
07/14/2026
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

TERMINAL - DEPLANING - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - FLOOR PLAN - PLUMBING

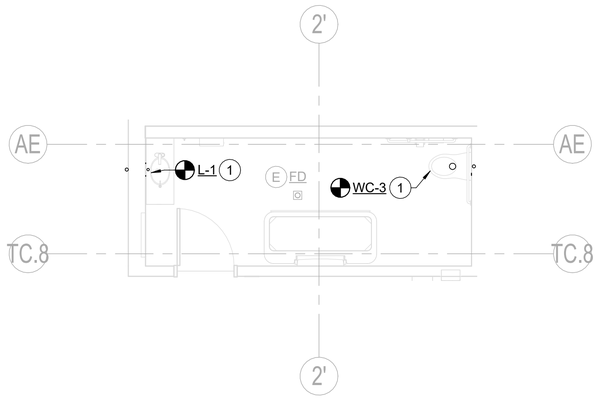
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	E. WALCZYK
DRAWN BY	C. RICHARDS
CHECKED BY	T. LEWIS
DATE	JULY 2026
SHEET NO.	91 TYPE CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	P2.03

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.

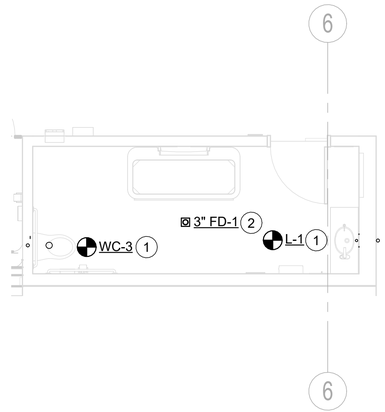
light gray | dark gray | black

0' 2' 4' 8' 12'

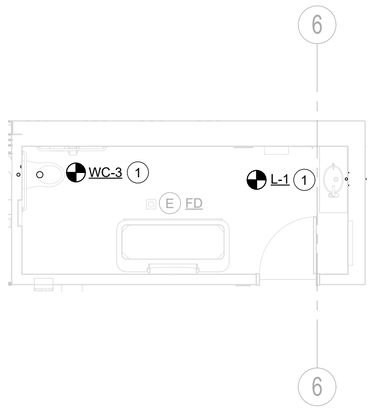
SCALE: IN FEET



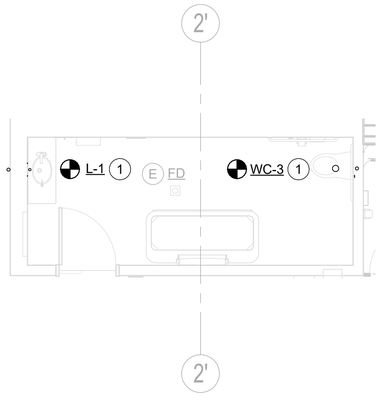
1 TERMINAL - SECTOR W5 - T2TC66 - ENPLANING - FLOOR PLAN - PLUMBING
SCALE: 1/4" = 1'-0"



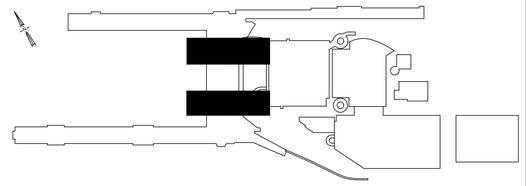
2 TERMINAL - SECTOR E5 - T2TD44 - ENPLANING - FLOOR PLAN - PLUMBING
SCALE: 1/4" = 1'-0"



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



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



GENERAL NOTES

A. COORDINATE WORK WITH ALL OTHER TRADES.

B. VERIFY ALL EQUIPMENT CONNECTIONS WITH THE MANUFACTURERS CERTIFIED DRAWINGS. VERIFY AND PROVIDE TRANSITIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DIMENSIONS BEFORE FABRICATION.

C. DRAWINGS ARE DIAGRAMMATIC. NOT ALL OFFSETS AND TRANSITIONS IN PIPING ARE SHOWN IN THE DRAWINGS. PROVIDE OFFSETS AND TRANSITIONS REQUIRED FOR INSTALLATION.

D. ALL VALVES, WATER HAMMER ARRESTORS, ECT. NEED TO BE INSTALLED IN READILY ACCESSIBLE LOCATIONS.

E. EXISTING WORK SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

F. VERIFY EXACT SIZES, LOCATIONS, INVERTS AND ELEVATIONS PRIOR TO RUNNING ANY PIPING. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL FIXTURES AND EQUIPMENT.

G. PROVIDE WATER HAMMER ARRESTORS BEHIND ACCESS PANEL FOR URINAL BANKS AND BEHIND TOILET SEAT COVER DISPENSER FOR WATER CLOSETS. SIZE AND LOCATE WATER HAMMER ARRESTORS PER PDI STANDARDS.

H. TRAP PRIMING SHALL BE PROVIDED FOR ALL FLOOR DRAINS AND FLOOR SINKS FROM ELECTRONIC TRAP PRIMERS.

KEY NOTES (#)

1. ROUGH-INS FOR FIXTURES ARE EXISTING FROM TCORE PROJECT. ATTACH NEW FIXTURES TO EXISTING ROUGH-INS. PROVIDE CLEAN-OUT COVERS FOR EXISTING CLEAN-OUTS.

2. TIE INTO EXISTING BELOW GRADE WASTE. CONNECT TRAP PRIMER LINE TO EXISTING TRAP PRIMER INSTALLED DURING TCORE RENOVATIONS. TRAP PRIMER LOCATED IN JAN T2TC43.

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 82382PE OREGON DECEMBER 14, 2014 TRAVIS J. LEWIS

07/14/2026

EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

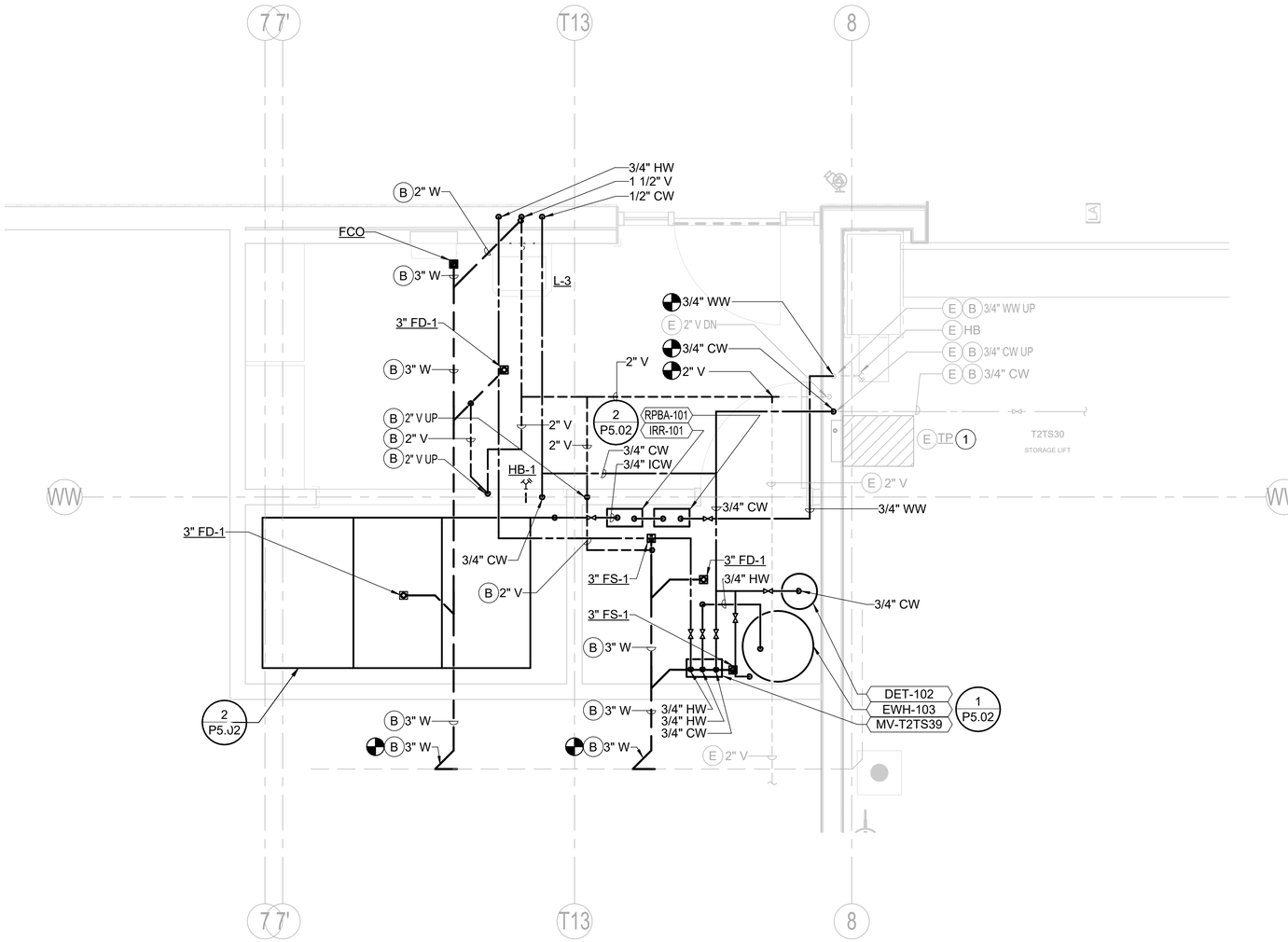
TERMINAL - ENPLANING - SECTOR W5, E2 & E5 - FLOOR PLAN - PLUMBING

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	E. WALCZYK
DRAWN BY	C. RICHARDS
CHECKED BY	T. LEWIS
DATE	JULY 2026
SHEET NO.	92
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	P2.04

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.

0' 2' 4' 8' 12'

SCALE: IN FEET



1 TERMINAL - SECTOR E1 - T2TS40 - ENPLANING - FLOOR PLAN - PLUMBING
SCALE: 1/2" = 1'-0"

GENERAL NOTES

A. COORDINATE WORK WITH ALL OTHER TRADES.

B. VERIFY ALL EQUIPMENT CONNECTIONS WITH THE MANUFACTURERS CERTIFIED DRAWINGS. VERIFY AND PROVIDE TRANSITIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DIMENSIONS BEFORE FABRICATION.

C. DRAWINGS ARE DIAGRAMMATIC. NOT ALL OFFSETS AND TRANSITIONS IN PIPING ARE SHOWN IN THE DRAWINGS. PROVIDE OFFSETS AND TRANSITIONS REQUIRED FOR INSTALLATION.

D. ALL VALVES, WATER HAMMER ARRESTORS, ECT. NEED TO BE INSTALLED IN READILY ACCESSIBLE LOCATIONS.

E. EXISTING WORK SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

F. VERIFY EXACT SIZES, LOCATIONS, INVERTS AND ELEVATIONS PRIOR TO RUNNING ANY PIPING. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL FIXTURES AND EQUIPMENT.

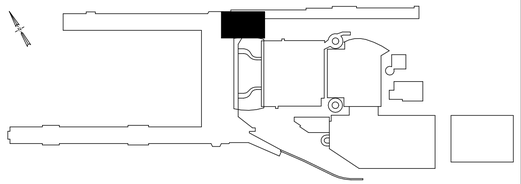
G. PROVIDE WATER HAMMER ARRESTORS BEHIND ACCESS PANEL FOR URINAL BANKS AND BEHIND TOILET SEAT COVER DISPENSER FOR WATER CLOSETS. SIZE AND LOCATE WATER HAMMER ARRESTORS PER PDI STANDARDS.

H. TRAP PRIMING SHALL BE PROVIDED FOR ALL FLOOR DRAINS AND FLOOR SINKS FROM ELECTRONIC TRAP PRIMERS.

I. PIPING SHOWN ON ENPLANING LEVEL SHEETS DENOTED WITH KEY NOTE B IS LOCATED IN THE CEILING SPACE OF THE DEPLANING LEVEL.

KEY NOTES (#)

1. PRIME NEW FLOOR DRAIN(S)/SINK(S) WITH EXISTING TRAP PRIMER.



NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
82382PE
OREGON
DECEMBER 14, 2014
TRAVIS J. LEWIS
07/14/2026
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

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

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	E. WALCZYK
DRAWN BY	C. RICHARDS
CHECKED BY	T. LEWIS
DATE	JULY 2026
SHEET NO.	93
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	P2.08

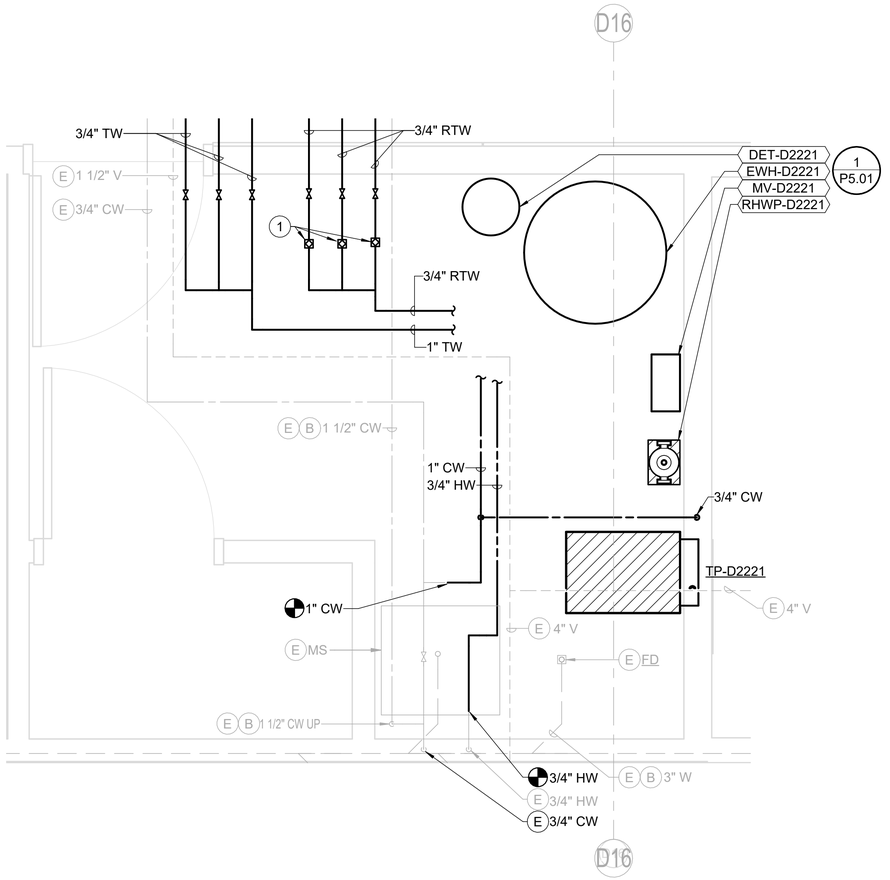
DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17". 0 1" 2" GRAPHIC SCALE FOR REFERENCE ONLY

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.

light gray | dark gray | black

0' 2' 4' 8' 12'

SCALE: IN FEET



1 ENLARGED PLAN - D2221 JANITOR - PLUMBING
SCALE: 3/4" = 1'-0"

GENERAL NOTES

A. COORDINATE WORK WITH ALL OTHER TRADES.

B. VERIFY ALL EQUIPMENT CONNECTIONS WITH THE MANUFACTURERS CERTIFIED DRAWINGS. VERIFY AND PROVIDE TRANSITIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DIMENSIONS BEFORE FABRICATION.

C. DRAWINGS ARE DIAGRAMMATIC. NOT ALL OFFSETS AND TRANSITIONS IN PIPING ARE SHOWN IN THE DRAWINGS. PROVIDE OFFSETS AND TRANSITIONS REQUIRED FOR INSTALLATION.

D. ALL VALVES, WATER HAMMER ARRESTORS, ECT. NEED TO BE INSTALLED IN READILY ACCESSIBLE LOCATIONS.

E. EXISTING WORK SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

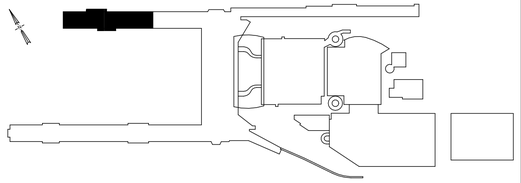
F. VERIFY EXACT SIZES, LOCATIONS, INVERTS AND ELEVATIONS PRIOR TO RUNNING ANY PIPING. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL FIXTURES AND EQUIPMENT.

G. PROVIDE WATER HAMMER ARRESTORS BEHIND ACCESS PANEL FOR URINAL BANKS AND BEHIND TOILET SEAT COVER DISPENSER FOR WATER CLOSETS. SIZE AND LOCATE WATER HAMMER ARRESTORS PER PDI STANDARDS.

H. TRAP PRIMING SHALL BE PROVIDED FOR ALL FLOOR DRAINS AND FLOOR SINKS FROM ELECTRONIC TRAP PRIMERS.

KEY NOTES (#)

1. BALANCING VALVE, SET TO 0.75 GPM.



DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17". 0 1/16" 1/8" 1" 2" GRAPHIC SCALE-FOR REFERENCE ONLY

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NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 82382PE OREGON DECEMBER 14, 2014 TRAVIS J. LEWIS
07/14/2026
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

PARTIAL PLANS - PLUMBING

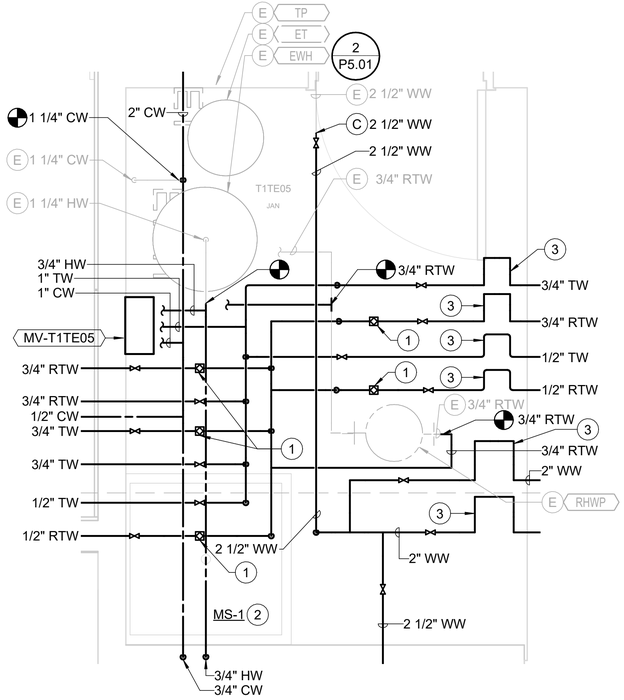
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	E. WALCZYK
DRAWN BY	C. RICHARDS
CHECKED BY	T. LEWIS
DATE	JULY 2026
SHEET NO.	94 TYPE CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	P4.01

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.

light gray | dark gray | black

0' 2' 4' 8' 12'

SCALE: IN FEET



1 ENLARGED PLAN - T1TE05 JAN
SCALE: 3/4" = 1'-0"

GENERAL NOTES

A. COORDINATE WORK WITH ALL OTHER TRADES.

B. VERIFY ALL EQUIPMENT CONNECTIONS WITH THE MANUFACTURERS CERTIFIED DRAWINGS. VERIFY AND PROVIDE TRANSITIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DIMENSIONS BEFORE FABRICATION.

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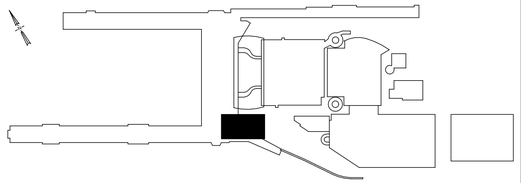
H. TRAP PRIMING SHALL BE PROVIDED FOR ALL FLOOR DRAINS AND FLOOR SINKS FROM ELECTRONIC TRAP PRIMERS.

KEY NOTES (#)

1. BALANCING VALVE, SET TO 0.75 GPM.

2. CONNECT MOP SINK TO EXISTING VENT AND WASTE PIPING FROM MOP SINK REMOVED DURING DEMO PHASE.

3. METRALOOP WITH SWEAT ENDS. ORIENTATION: HORIZONTAL. SEE PLANS FOR SIZE.



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

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 82382PE OREGON DECEMBER 14, 2014 TRAVIS J. LEWIS

07/14/2026
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

PARTIAL PLANS - PLUMBING

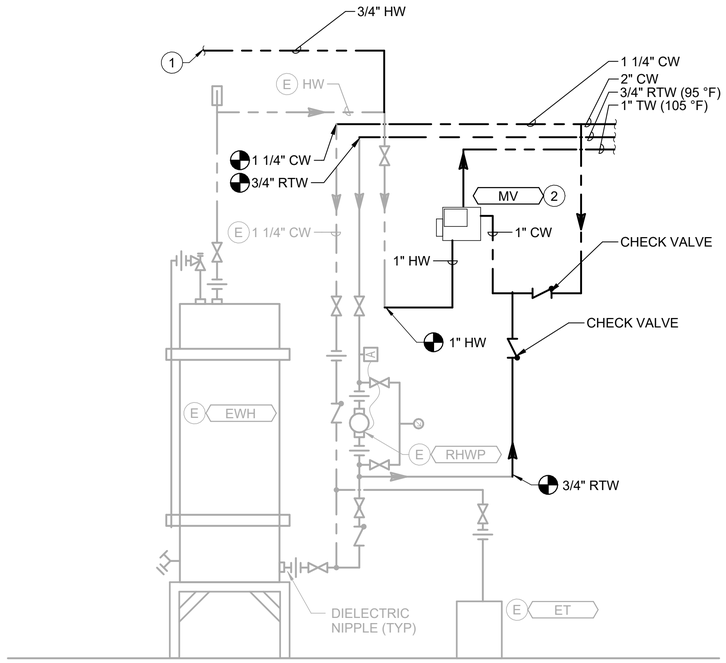
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	E. WALCZYK
DRAWN BY	C. RICHARDS
CHECKED BY	T. LEWIS
DATE	JULY 2026
SHEET NO.	95
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO:	P4.02

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.

light gray

dark gray

black



GENERAL NOTE(S):

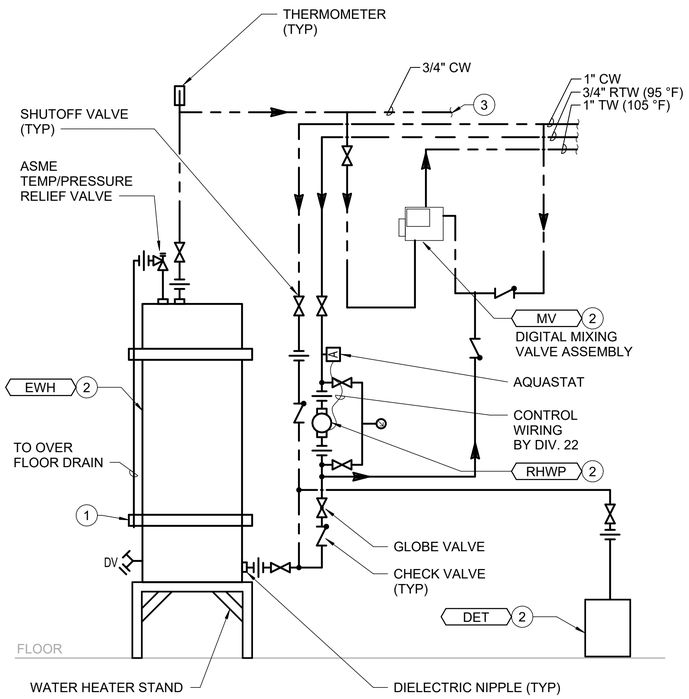
1. ALL PIPING AND EQUIPMENT IS EXISTING UNLESS NOTED OTHERWISE.

NOTE(S):

1. ROUTE HOT WATER LINE TO MOP SINK WITHIN JANITORS CLOSET.
2. REFER TO EQUIPMENT SCHEDULE AND FLOOR PLANS FOR EXACT EQUIPMENT NAMES.

2 ELECTRIC WATER HEATER DETAIL WITH MIXING VALVE AND RECIRC PUMP

SCALE: N.T.S.



NOTE(S):

1. SEE SPECIFICATION FOR SEISMIC RESTRAINT REQUIREMENTS.
2. REFER TO EQUIPMENT SCHEDULE AND PLANS FOR EXACT EQUIPMENT NAMES.
3. ROUTE HOT WATER LINE TO MOP SINK WITHIN JANITORS CLOSET.

1 ELECTRIC WATER HEATER DETAIL WITH MIXING VALVE AND RECIRC PUMP

SCALE: N.T.S.

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

0 1" 2"

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NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 82382PE OREGON DECEMBER 14, 2014 TRAVIS J. LEWIS

07/14/2026

EXPIRES: 12/31/2026

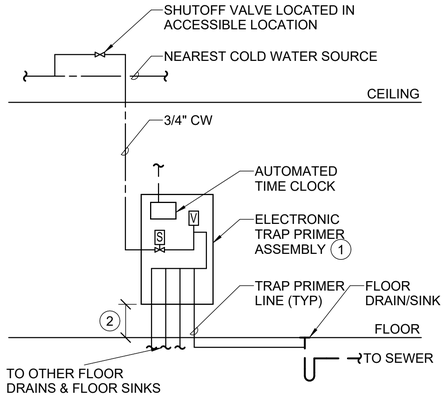
PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

DETAILS - PLUMBING

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	E. WALCZYK
DRAWN BY	C. RICHARDS
CHECKED BY	T. LEWIS
DATE	JULY 2026
SHEET NO.	96
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	P5.01

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.



GENERAL NOTES:

A. ALL FLOOR DRAINS, FLOOR SINKS AND SIMILAR TRAPS SHALL BE PRIMED.

B. WHERE PRIMING VALVES ARE INSTALLED IN FINISHED ROOMS, CONCEAL IN LOCKABLE CABINET. REFER TO SPECIFICATION 22 40 00 AND PLUMBING EQUIPMENT SCHEDULE FOR TRAP PRIMER TYPE (SURFACE OR RECESSED) AND QUANTITIES.

C. COORDINATE LOCATION OF ELECTRONIC TRAP PRIMER STATIONS WITH ELECTRICAL CONTRACTOR FOR 120V SERVICE.

D. REFER TO SPECIFICATIONS FOR ALLOWABLE TRAP PRIMER LINE PIPE MATERIALS.

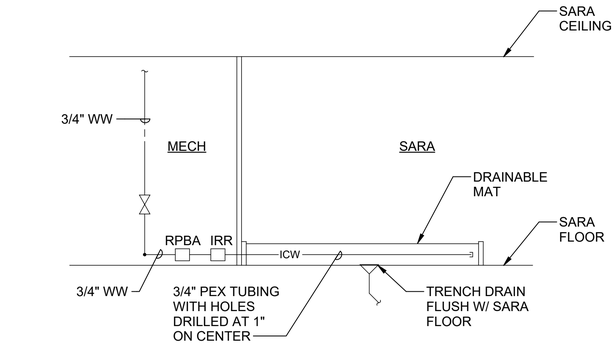
E. COORDINATE TRAP PRIMER LOCATION(S) AND ACCESS CLEARANCE WITH ARCHITECT.

NOTES:

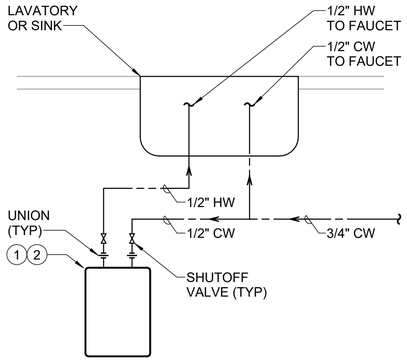
1. MANIFOLD SHOWN TO SERVE 4 TRAPS. CONTRACTOR TO VERIFY QUANTITY OF TRAPS TO BE SERVED FROM EACH TRAP PRIMER STATION AND PROVIDE APPROPRIATE NUMBER OF OUTLETS ON MANIFOLD.

2. BOTTOM OF PRIMING MANIFOLD INSTALLED 12" ABOVE THE FINISHED FLOOR FOR EVERY 20 FEET AWAY TO THE FURTHEST DRAIN BEING PRIMED.

4 TRAP PRIMER DETAIL
SCALE: NONE



2 SARA PIPING
SCALE: N.T.S.



GENERAL NOTES:

A. INSTANTANEOUS ELECTRIC WATER HEATERS ARE NOT REQUIRED BY UL TO HAVE A PRESSURE/TEMPERATURE RELIEF DEVICE. CONSULT WITH LOCAL AHJ FOR LOCATION SPECIFIC REQUIREMENTS.

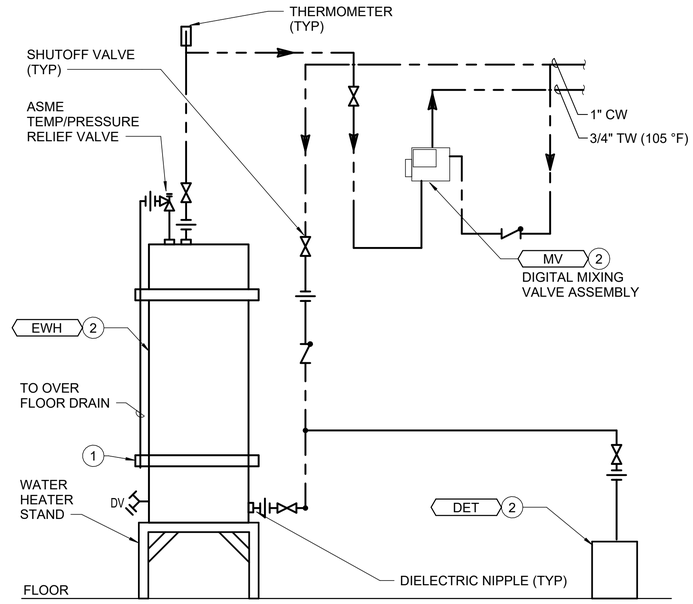
B. CONNECTIONS BETWEEN HEATER AND FAUCET TO BE COPPER OR FLEX TUBING.

NOTES:

1. INSTANTANEOUS ELECTRIC WATER HEATER.

2. ALLOW A MINIMUM OF 8" ABOVE THE UNIT FOR ELEMENT REPLACEMENT. INSTALL UNIT BELOW THE LEVEL OF ALL HOT WATER OUTLETS SERVICED BY THIS HEATER.

3 UNDERCOUNTER INSTANTANEOUS ELECTRIC WATER HEATER DETAIL
SCALE: NONE



NOTE(S):

1. SEE SPECIFICATION FOR SEISMIC RESTRAINT REQUIREMENTS.

2. REFER TO EQUIPMENT SCHEDULE AND PLANS FOR EXACT EQUIPMENT NAMES.

1 ELECTRIC WATER HEATER DETAIL WITH MIXING VALVE
SCALE: N.T.S.

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 82382PE OREGON DECEMBER 14, 2014 TRAVIS J. LEWIS
07/14/2026
EXPIRES: 12/31/2026

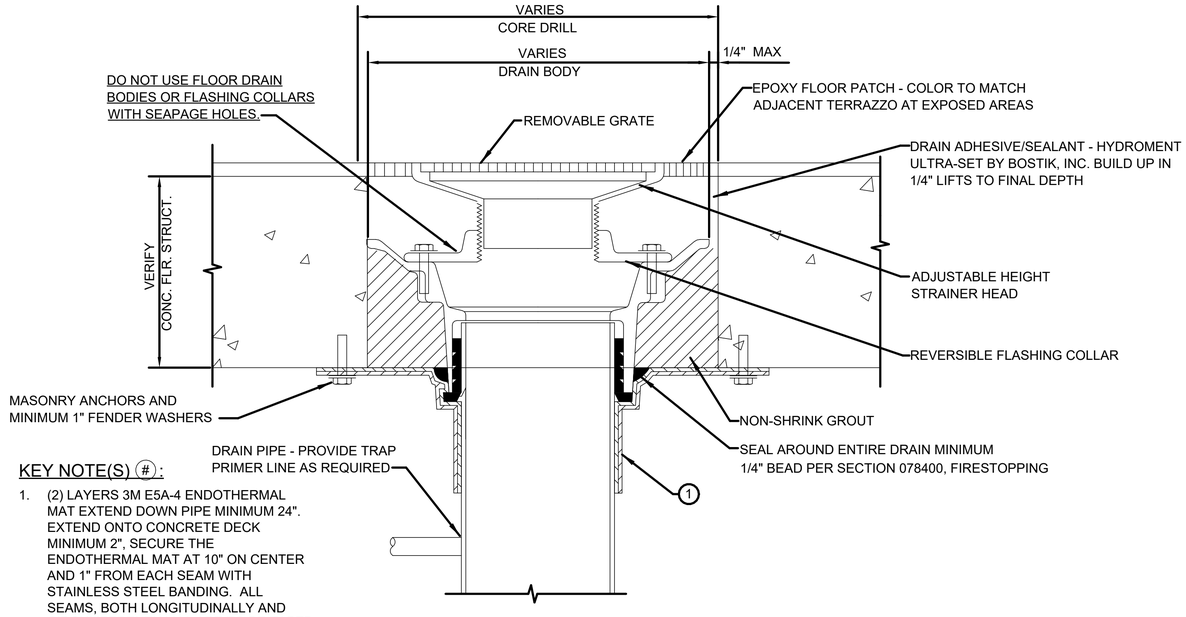
PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

DETAILS - PLUMBING

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	E. WALCZYK
DRAWN BY	C. RICHARDS
CHECKED BY	T. LEWIS
DATE	JULY 2026
SHEET NO.	97
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	P5.02

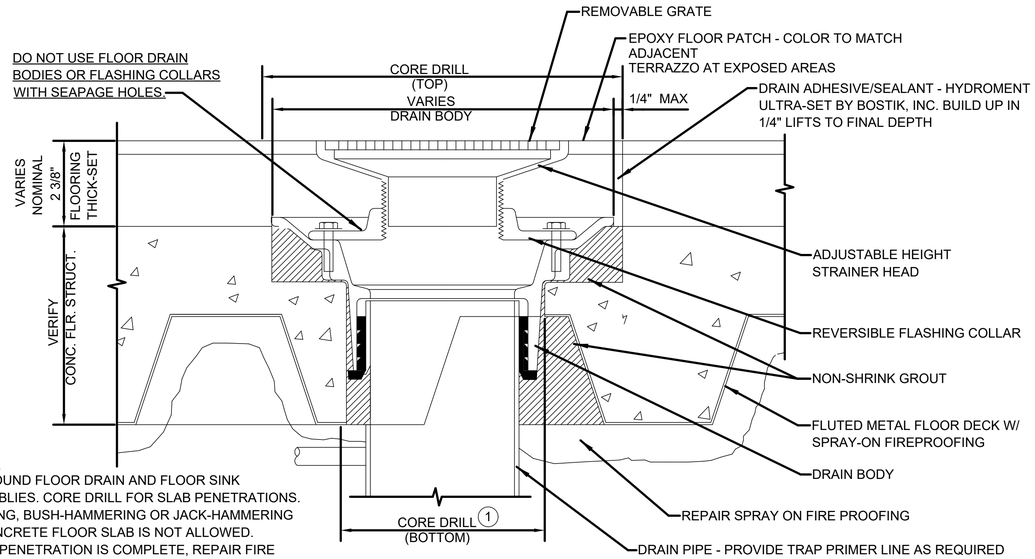
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



KEY NOTE(S) (#):

1. (2) LAYERS 3M E5A-4 ENDOTHERMAL MAT EXTEND DOWN PIPE MINIMUM 24". EXTEND ONTO CONCRETE DECK MINIMUM 2", SECURE THE ENDOTHERMAL MAT AT 10" ON CENTER AND 1" FROM EACH SEAM WITH STAINLESS STEEL BANDING. ALL SEAMS, BOTH LONGITUDINALLY AND CIRCUMFERENTIALLY, ARE TO BE TAPED WITH 3M T-49 TAPE.

2 FLOOR DRAIN DETAIL
SCALE: N.T.S.



NOTE(S):

1. USE ROUND FLOOR DRAIN AND FLOOR SINK ASSEMBLIES. CORE DRILL FOR SLAB PENETRATIONS. CHIPPING, BUSH-HAMMERING OR JACK-HAMMERING OF CONCRETE FLOOR SLAB IS NOT ALLOWED.
2. AFTER PENETRATION IS COMPLETE, REPAIR FIRE PROOFING AT UNDERSIDE OF METAL FLOOR DECK.
3. FLOOR SINKS AT OTHER FLOOR FINISHES AND SUB FLOORING SIMILAR.

1 FLOOR DRAIN DETAIL (THICK-SET FLOORING)
SCALE: N.T.S.

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D0031 DESIGN NUMBER
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REGISTERED PROFESSIONAL ENGINEER
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EXPIRES: 12/31/2026

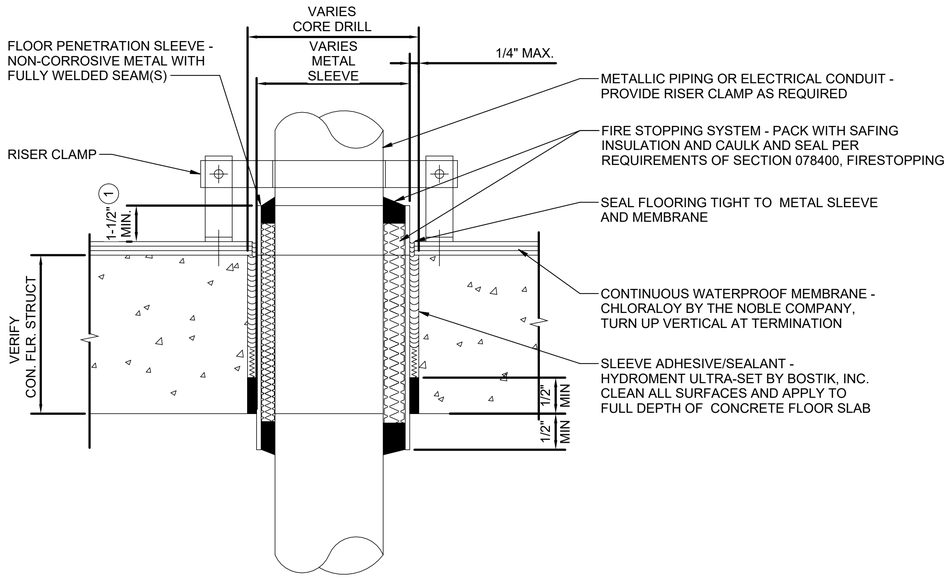
PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

DETAILS - PLUMBING

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	E. WALCZYK
DRAWN BY	C. RICHARDS
CHECKED BY	T. LEWIS
DATE	JULY 2026
SHEET NO.	98 TYPE CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	P5.03

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.



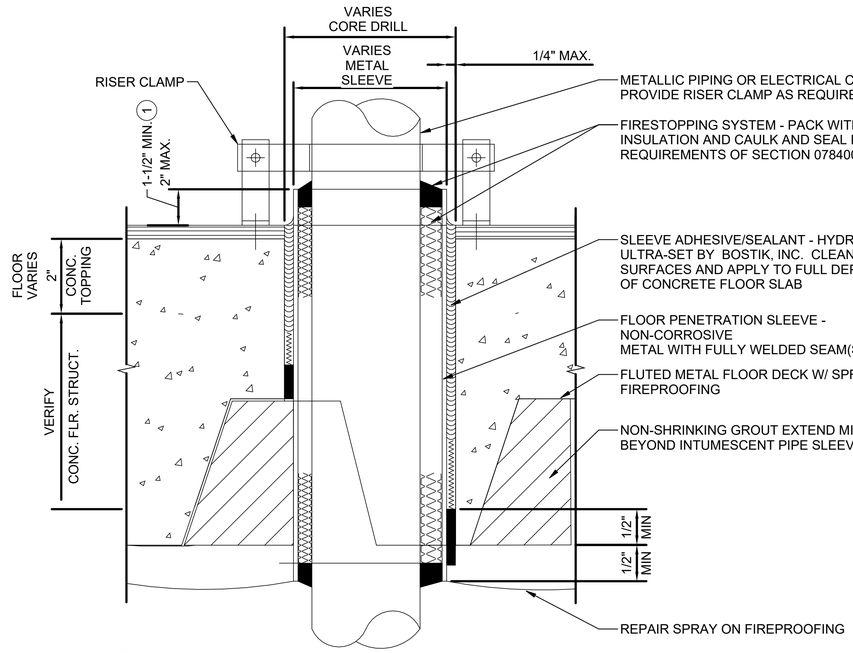
KEY NOTE(S) #:

1. EXTEND 2" ABOVE FINISHED FLOOR THROUGH FOOD SERVICE, JANITORIAL ROOM, FAN ROOM, AND MECHINCAL EQUIPMENT ROOM FLOORS.

NOTE(S):

1. CORE DRILL FOR ROUND PENETRATIONS AND SAW-CUT FOR SQUARE OR RECTANGULAR PENETRATIONS. CHIPPING, BUSH-HAMMERING OR JACK-HAMMERING OF CONCRETE FLOOR SLAB IS NOT ALLOWED.
2. AFTER PENETRATION IS COMPLETE, REPAIR FIRE PROOFING AT UNDERSIDE OF METAL FLOOR DECK.

2 FLOOR PENETRATION DETAIL
SCALE: N.T.S.



KEY NOTE(S) #:

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NOTE(S):

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2. AFTER PENETRATION IS COMPLETE, REPAIR FIRE PROOFING AT UNDERSIDE OF METAL FLOOR DECK.
3. AT TERRAZZO FLOORING, OMIT WATERPROOF MEMBRANE AND EXTEND SLEEVE ADHESIVE/SEALANT TO TOP OF FINISHED FLOORING.

1 FLOOR PENETRATION (THICK-SET FLOORING) DETAIL
SCALE: N.T.S.

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
82382PE
OREGON
DECEMBER 14, 2014
TRAVIS J. LEWIS
07/14/2026
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

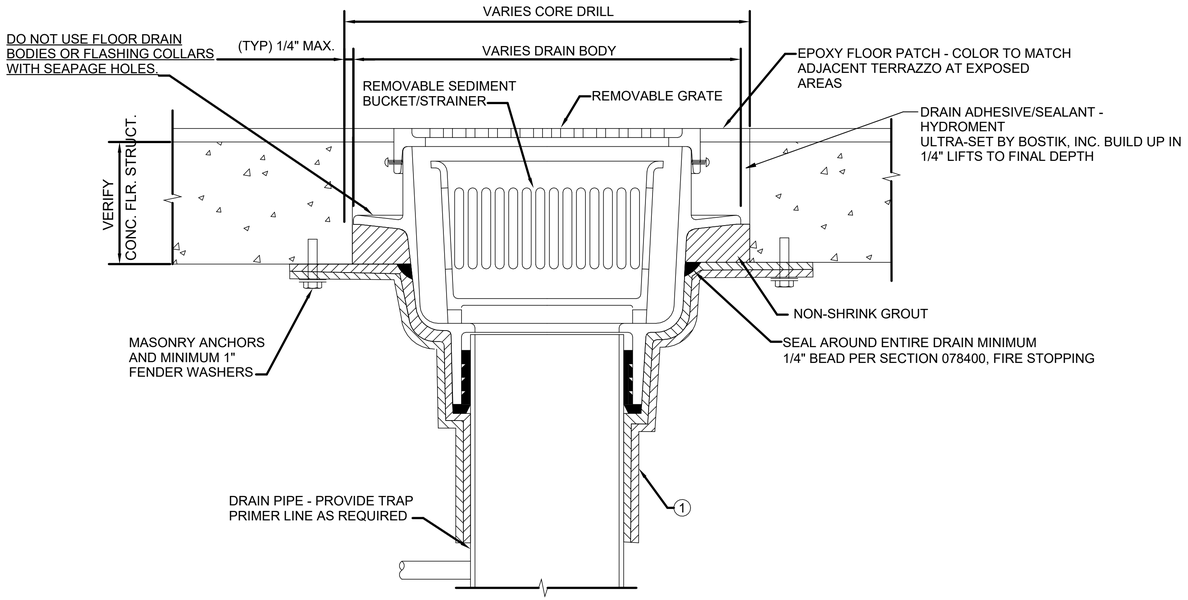
TERMINAL RESTROOM REHABILITATION 2026

DETAILS - PLUMBING

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	E. WALCZYK
DRAWN BY	C. RICHARDS
CHECKED BY	T. LEWIS
DATE	JULY 2026
SHEET NO.	99
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	P5.04

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



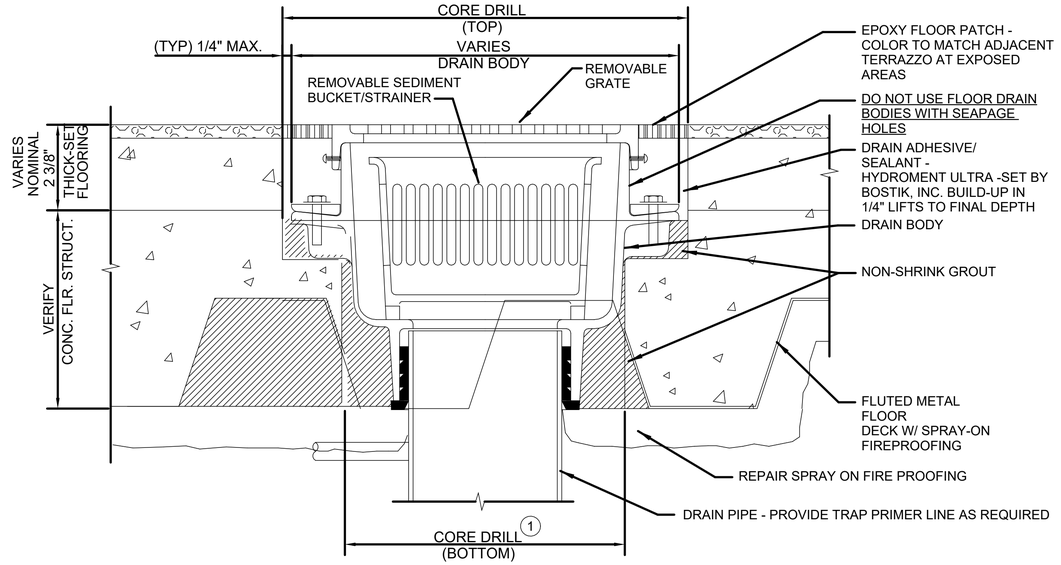
KEY NOTE(S) (#):

1. (2) LAYERS 3M E5A-4 ENDOTHERMAL MAT EXTEND DOWN PIPE MINIMUM 24". EXTEND ONTO CONCRETE DECK MINIMUM 2", SECURE THE ENDOTHERMAL MAT AT 10" ON CENTER AND 1" FROM EACH SEAM WITH STAINLESS STEEL BANDING. ALL SEAMS, BOTH LONGITUDINALLY AND CIRCUMFERENTIALLY, ARE TO BE TAPED WITH 3M T-49 TAPE.

NOTE(S):

1. USE ROUND FLOOR DRAIN AND FLOOR SINK ASSEMBLIES. CORE DRILL FOR SLAB PENETRATIONS. CHIPPING, BUSH-HAMMERING OR JACK-HAMMERING OF CONCRETE FLOOR SLAB IS NOT ALLOWED.
2. FLOOR DRAINS AT OTHER FLOOR FINISHES AND SUB FLOORING SIMILAR.
3. NOT FOR USE WITH PVDF PIPE.

2 FLOOR DRAIN DETAIL
SCALE: N.T.S.



NOTE(S):

1. USE ROUND FLOOR DRAIN AND FLOOR SINK ASSEMBLIES. CORE DRILL FOR SLAB PENETRATIONS. CHIPPING, BUSH-HAMMERING OR JACK-HAMMERING OF CONCRETE FLOOR SLAB IS NOT ALLOWED.
2. AFTER PENETRATION IS COMPLETE, REPAIR FIRE PROOFING AT UNDERSIDE OF METAL FLOOR DECK.
3. FLOOR SINKS AT OTHER FLOOR FINISHES AND SUB FLOORING SIMILAR.

KEY NOTE(S) (#):

1. CORE DRILL TWO HOLES TO PROVIDE "SEAT" FOR FLOOR DRAIN BODY

1 FLOOR DRAIN DETAIL
SCALE: N.T.S.

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NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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DISC. SHT. NO.	P5.05

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light gray
dark gray
black

MISC. VALVES & COCKS

- DOUBLE CHECK DETECTOR ASSEMBLY (DCDA)
- REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA)
- SUPERVISED BUTTERFLY VALVE
- SUPERVISED OS&Y GATE VALVE
- SUPERVISED POST INDICATOR GATE VALVE
- SUPERVISED NRS GATE VALVE
- CHECK VALVE
- ALARM CHECK VALVE
- ACTUATED CONTROL VALVE
- DRY PIPE VALVE
- DRY PIPE VALVE WITH QUICK OPENING DEVICE
- PREACTION VALVE
- DELUGE VALVE
- PRESSURE REGULATING VALVE
- PRESSURE RELEASING VALVE
- WET RISER
- DRY RISER
- PREACTION RISER
- NITROGEN-FILLED DRY RISER
- NITROGEN-FILLED PREACTION RISER
- FREESTANDING FIRE DEPARTMENT CONNECTION
- WALL-MOUNT FIRE DEPARTMENT CONNECTION
- PENDENT SPRINKLER
- SIDEWALL SPRINKLER
- UPRIGHT SPRINKLER
- UPRIGHT SPRINKLER WITH GUARD
- WINDOW SPRINKLER
- DRY PENDENT SPRINKLER
- DRY HORIZONTAL SIDEWALL SPRINKLER
- OPEN SPRINKLER
- OPEN SPRINKLER WITH SPRING
- SPRAY NOZZLE
- CLEAN AGENT SPRAY NOZZLE
- STANDPIPE HOSE VALVE (PLAN)
- STANDPIPE HOSE VALVE (SECTION)
- STANDPIPE HOSE VALVE WITH CABINET (PLAN)
- STANDPIPE HOSE VALVE WITH CABINET (SECTION)
- STANDPIPE ROOF MANIFOLD
- TEST AND DRAIN VALVE
- FREESTANDING TEST HEADER
- WALL-MOUNT TEST HEADER
- AUTOMATIC AIR VENT
- FOUR-WAY BRACE
- LATERAL BRACE
- LONGITUDINAL BRACE
- PIPE HANGER
- FLOW METER

STANDARD ABBREVIATIONS

EAT	ENTERING AIR TEMPERATURE	RET	RETURN AIR
EC	EXTENDED COVERAGE	REV	REVISION
ECM	ELECTRONICALLY COMMUTATED MOTOR	RH	RELATIVE HUMIDITY
EDB	ENTERING DRY BULB	RISE	RISE (WITHIN FLOOR)
EEW	EMERGENCY EYE WASH	RM	ROOF MANIFOLD
EFF	EFFICIENCY	RN	RISER NIPPLE
EFT	ENTERING FLUID TEMPERATURE	RPM	REVOLUTIONS PER MINUTE
ELEC	ELECTRIC, ELECTRICAL	S	SINK
ELEV	ELEVATION	SA	SUPPLY AIR
ENGR	ENGINEER	SB	SWAY BRACE
EQ	EQUAL	SCFM	STANDARD CUBIC FEET PER MINUTE
EQUIP	EQUIPMENT	SD	SHOWER DRAIN (PLUMBING)
ES	EMERGENCY SHOWER	SD	SMOKE DAMPER (MECHANICAL)
ESP	EXTERNAL STATIC PRESSURE	SE	SEWAGE EJECTOR
ET	EXPANSION TANK	SECT	SECTION
EWB	ENTERING WET BULB	SENS	SENSIBLE
EWC	ELECTRIC WATER COOLER	SF	SQUARE FOOT, SQUARE FEET
EWH	ELECTRIC WATER HEATER	SH	SHOWER
EWT	ENTERING WATER TEMPERATURE	SIM	SIMILAR
EX	EXTRACTOR	SOV	SHUTOFF VALVE
EXP	EXPANSION	SP	STATIC PRESSURE
EXH	EXHAUST OR EXHAUST AIR	SPEC	SPECIFICATION
F	DEGREES FAHRENHEIT	SQ	SQUARE
FC	FORWARD CURVED	SQ IN	SQUARE INCH, SQUARE INCHES
FCO	FLOOR CLEANOUT	SS	STAINLESS STEEL (ALL)
FD	FIRE DAMPER (MECHANICAL)	SSP	STANDARD SPRAY PENDENT
FD	FLOOR DRAIN (PLUMBING)	SSU	STANDARD SPRAY UPRIGHT
FDC	FIRE DEPARTMENT CONNECTION	STL	STEEL
FFE	FINISHED FLOOR ELEVATION	STRUCT	STRUCTURE, STRUCTURAL
FIG	FIGURE	SWP	SINGLE WALL PLENUM
FL	FLOOR	SWSI	SINGLE WIDTH SINGLE INLET
FLA	FULL LOAD AMPACITY	TD	TRENCH DRAIN
FLEX	FLEXIBLE	TDH	TOTAL DISCHARGE HEAD
FP	FIRE PUMP	TDL	TOTAL DEVELOPED LENGTH
FPD	FLUID PRESSURE DROP	TEMP	TEMPERATURE
FPM	FEET PER MINUTE	TMV	THERMOSTATIC MIXING VALVE
FPS	FEET PER SECOND	TOP	TOP OF PIPE
FS	FLOOR SINK	TP	TRAP PRIMER VALVE
FSD	FIRE SMOKE DAMPER	TS	TAMPER SWITCH
FT	FEET/FOOT	TSP	TOTAL STATIC PRESSURE
FTR	FINNED TUBE RADIATOR	TYP	TYPICAL
FLT	FLUSH TANK	U	URINAL
FU	FIXTURE UNIT	UG	UNDERGROUND
FV	FLUSH VALVE	UP	UP (PENETRATES FLOOR SLAB)
(F)	FUTURE	UON	UNLESS OTHERWISE NOTED
G	GRADE	V	VOLTS
GA	GAGE/GAUGE	VB	VACUUM BREAKER
GAL	GALLON	VD	VOLUME DAMPER
GALV	GALVANIZED	VEL	VELOCITY
GLY	GLYCOL	VERT	VERTICAL
GH	GROUND HYDRANT	VFD	VARIABLE FREQUENCY DRIVE
GPH	GALLONS PER HOUR	VTR	VENT THROUGH ROOF
GPM	GALLONS PER MINUTE	W	WIDTH
GV	GATE VALVE	WB	WET BULB
H	HEIGHT	WC	WATER CLOSET
HB	HOSE BIBB	WCO	WALL CLEANOUT
HD	HUB DRAIN	WFU	WATER FIXTURE UNITS
HORIZ	HORIZONTAL	WG	WATER GAUGE
HP	HORSEPOWER	WH	WALL HYDRANT
HR	HOUR	WHA	WATER HAMMER ARRESTOR
HSW	HORIZONTAL SIDE WALL	WPD	WATER PRESSURE DROP
HT	HEAT TRACE	WTD	WATER TEMPERATURE DROP
HTG	HEATING	WTR	WATER TEMPERATURE RISE
HV	HOSE VALVE	W/	WITH
HVC	HOSE VALVE CABINET	W/O	WITHOUT
ID	INSIDE DIAMETER, INSIDE DIMENSION		

MISC. VALVES & COCKS

- WF — WATERFLOW SWITCH
- HT — HIGH TEMPERATURE SWITCH
- LS — LEVEL SWITCH
- LT — LOW TEMPERATURE SWITCH
- PS — PRESSURE SWITCH
- S — VALVE SUPERVISORY SWITCH
- AS — AIR SUPERVISORY SWITCH
- WS — WATERFLOW PRESSURE ALARM SWITCH
- S — SOLENOID VALVE

DEMOLITION LEGEND

- REMOVE EXISTING PIPE
- REMOVE EXISTING EQUIPMENT

NEW, EXISTING, & FUTURE WORK

EXISTING PIPING	NEW PIPING	FUTURE PIPING
EXISTING EQUIPMENT	NEW EQUIPMENT	FUTURE EQUIPMENT
EXISTING EQUIPMENT CLEARANCES	NEW EQUIPMENT CLEARANCES	FUTURE EQUIPMENT CLEARANCES

STANDARD ABBREVIATIONS

AD	AREA DRAIN	IE	INVERT ELEVATION
ADA	AMERICANS WITH DISABILITIES ACT	IN	INCH, INCHES
AF	AIRFOIL	INSUL	INSULATION
AFF	ABOVE FINISHED FLOOR	IPS	IRON PIPE SIZE
AHP	APPARATUS HOUSING PLENUM	ISO	ISOMETRIC
AL	ALUMINUM	ISOL	ISOLATOR, ISOLATION
ALT	ALTERNATIVE	JP	JOCKEY PUMP
AP	ACCESS PANEL	KW	KILOWATT
APD	AIR PRSSURE DROP	KWH	KILOWATT HOUR
APPROX	APPROXIMATELY	L	LENGTH
ARCH	ARCHITECT, ARCHITECTURAL	LAT	LEAVING AIR TEMP
AS	AUTOMATIC SPRINKLER	LAV	LAVATORY
AUTO	AUTOMATIC	LB	POUND
BDD	BACKDRAFT DAMPER	LDB	LEAVING DRY BULB
BFF	BELOW FINISHED FLOOR	LF	LINEAR FEET
BHP	BREAK HORESPOWER	LFT	LEAVING FLUID TEMPERATURE
BI	BACKWARD INCLINED	LVG	LEAVING
BLDG	BUILDING	LWB	LEAVING WET BULB
BOP	BOTTOM OF PIPE	LWT	LEAVING WATER TEMPERATURE
BOS	BOTTOM OF STRUCTURE	MAX	MAXIMUM
BSMT	BASEMENT	MBH	THOUSAND BTU PER HOUR
BTU	BRITISH THERMAL UNIT	MCA	MINIMUM CIRCUIT AMPACITY
BTUH	BRITISH THERMAL UNITS PER HOUR	MECH	MECHANICAL
BTV	BUTTERFLY VALVE	MERV	MINIMUM EFFICIENCY REPORTING VALUE
BV	BALANCING VALVE	MFR	MANUFACTURER
CALC	CALCULATION	MIN	MINIMUM
CB	CATCH BASIN	MISC	MISCELLANEOUS
CFH	CUBIC FEET PER HOUR	MOCP	MAXIMUM OVERCURRENT PROTECTION
CFM	CUBIC FEET PER MINUTE	MS	MOP SINK
CFS	CUBIC FEET PER SECOND	MTD	MOUNTED
CI	CAST IRON	NC	NORMALLY CLOSED
CL	CENTERLINE	NIC	NOT IN CONTRACT
CLG	CEILING OR COOLING	NO	NORMALLY OPEN
CO	CLEANOUT	NPS	NOMINAL PIPE SIZE
CONC	CONCRETE	NRS	NON-RISING STEM
CONN	CONNECT, CONNECTION	NTS	NOT TO SCALE
CONT	CONTINUED, CONTINUATION	OAT	OUTSIDE AIR TEMPERATURE
CP	CIRCULATING PUMP	OC	ON CENTER DISTANCE
CTG	CLEANOUT TO GRADE	OD	OVERFLOW DRAIN
CV	CHECK VALVE	OS&Y	OUTSIDE SCREW & YOKE GATE VALVE
DB	DRY BULB	OSA	OUTSIDE AIR
DDC	DIRECT DIGITAL CONTROL	PD	PLANTER DRAIN
DEFL	DEFLECTION	P/FT	PITCH PER FOOT
DF	DRINKING FOUNTAIN	PG	PRESSURE GAUGE
DFU	DRAINAGE FIXTURE UNIT	PH	PHASE
DI	DEIONIZED	PIV	POST INDICATING VALVE
DIA	DIAMETER	PP	POLYPROPYLENE
DIP	DUCTILE IRON PIPE	PRV	PRESSURE REDUCING VALVE
DN	DOWN (PENETRATES FLOOR)	PS	PRESSURE SWITCH
DP	DEW POINT	PSI	POUNDS PER SQUARE INCH
DR	DRAIN	PSIG	POUNDS PER SQUARE INCH (GAUGE)
DV	DRAIN VALVE	PVC	POLYVINYL CHLORIDE
DROP	DROP (WITHIN FLOOR)	PVS	PVC COATED STEEL
DWDI	DOUBLE WIDTH DOUBLE INLET	R, RAD	RADIUS
DWG	DRAWING	RA	RELIEF AIR
(E), EXIST	EXISTING	RD	ROOF DRAIN

GENERAL NOTES:

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

FIRE PROTECTION PIPING

WS	WATER SERVICE
WPS	WET-PIPE SPRINKLER
DPS	DRY PIPE SPRINKLER
FDC	FIRE DEPARTMENT CONNECTION
WSP	WET STANDPIPE

SYMBOLS

A	ACCESS PANEL	#	NUMBERED NOTE
	POINT OF CONNECTION	X	REMOVE EXISTING
E	EXISTING TO REMAIN	K	CAP EXISTING / CAP FOR FUTURE
B	BELOW GRADE / FLOOR	R	RELOCATE EXISTING
1	REVISION NUMBER	F	FUTURE

XX-XXX
- UNIT NUMBER
- FLOOR UNIT IS LOCATED ON EQUIPMENT TYPE

EQUIPMENT

XXXX-XX-XXXXX
- UNIT NUMBER
- FLOOR UNIT IS LOCATED ON EQUIPMENT TYPE

X / XXX.XX
- DETAIL NUMBER
- SHEET NUMBER

DETAIL CALLOUT

MISC. FITTINGS & SYMBOLS

- DIRECTION OF FLOW
- DIRECTION OF SLOPE
- PIPE SLEEVE
- REDUCER
- ANCHOR
- ELBOW (90 DEGREE)
- ELBOW (45 DEGREE)
- PIPING CONNECTIONS
- TEE
- JOINT OR COUPLING POINT
- UNION
- FLANGED CONNECTION
- CAP
- PLUG OR BLIND FLANGE
- RISER
- ELBOW UP
- ELBOW DOWN
- TEE UP
- TEE DOWN
- FLEXIBLE HOSE CONNECTOR
- MC — MECHANICAL COUPLING
- HEAT TRACE
- FLEX DROP
- THRUST BLOCK
- PIPE CONTINUATION

NO.	DATE	BY	REVISIONS	APP

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TERMINAL RESTROOM REHABILITATION 2026

SYMBOLS, LEGENDS, & ABBREVIATIONS - FIRE PROTECTION

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	E. WALCZYK
DRAWN BY	C. RICHARDS
CHECKED BY	T. LEWIS
DATE	JULY 2026
SHEET NO.	101
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	FP0.01

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

light gray
dark gray
black

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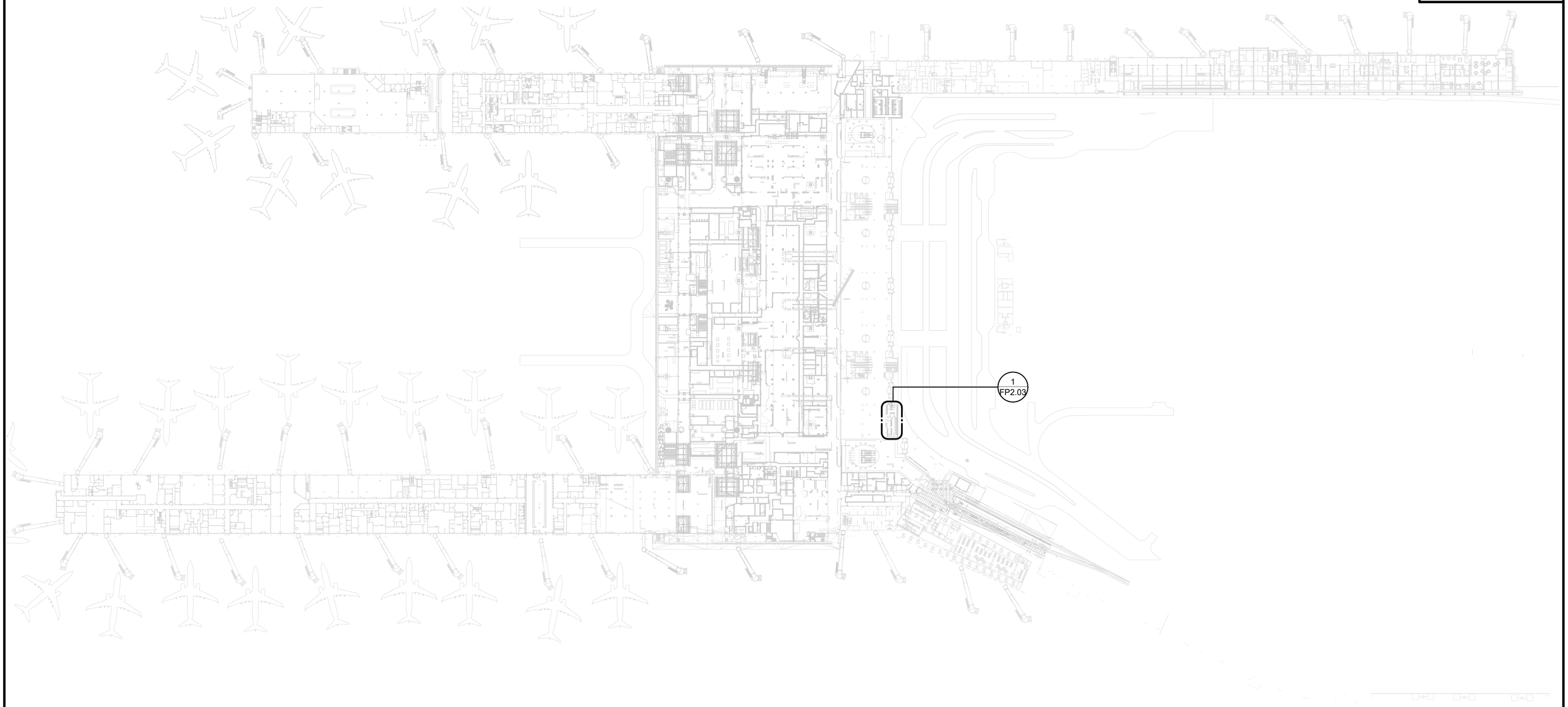
N

0" 50' 100' 200' 300'

SCALE: IN FEET



1 DEPLANING - KEY PLAN - FIRE PROTECTION
SCALE: 1" = 100'-0"

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DEPLANING LEVEL - KEY PLAN - FIRE PROTECTION

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DRAWN BY	C. RICHARDS		
CHECKED BY	T. LEWIS		
DATE	JULY 2026		
SHEET NO.	102	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	FP0.10

light gray
dark gray
black

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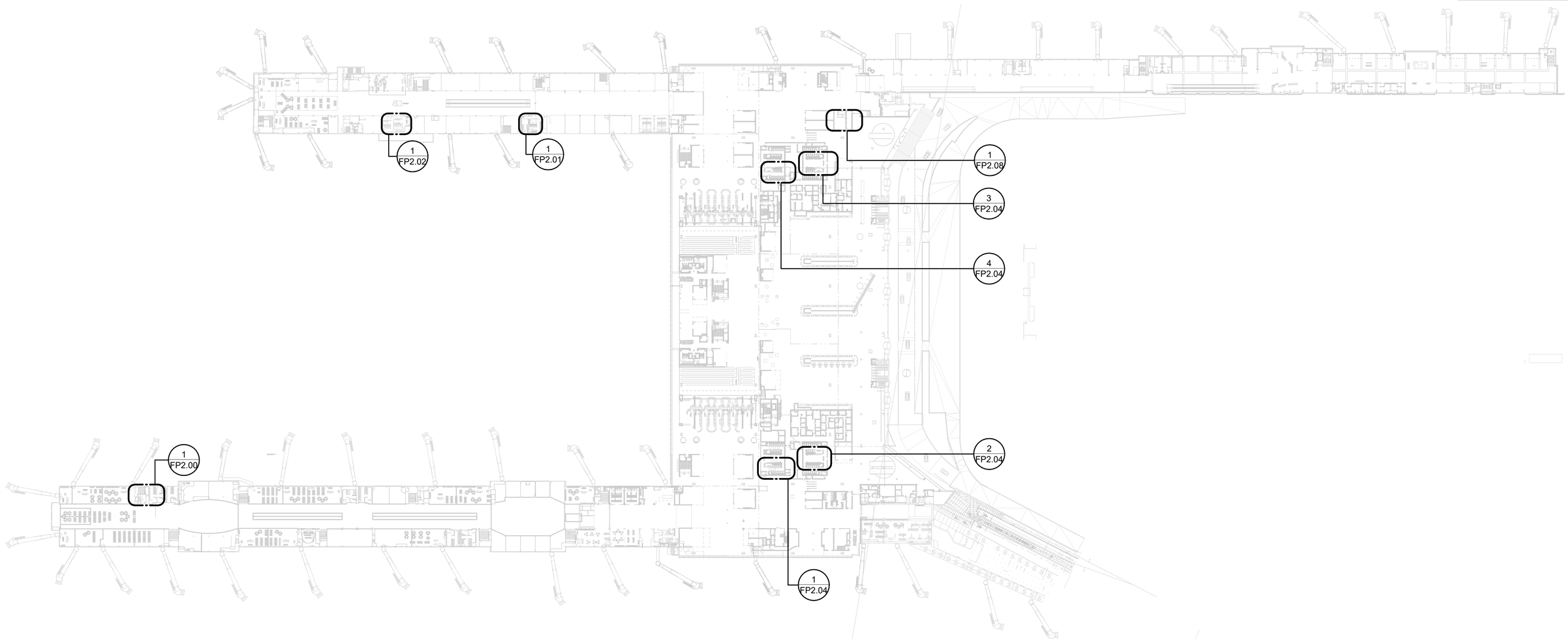

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dark gray
black

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0' 2' 4' 8' 12'

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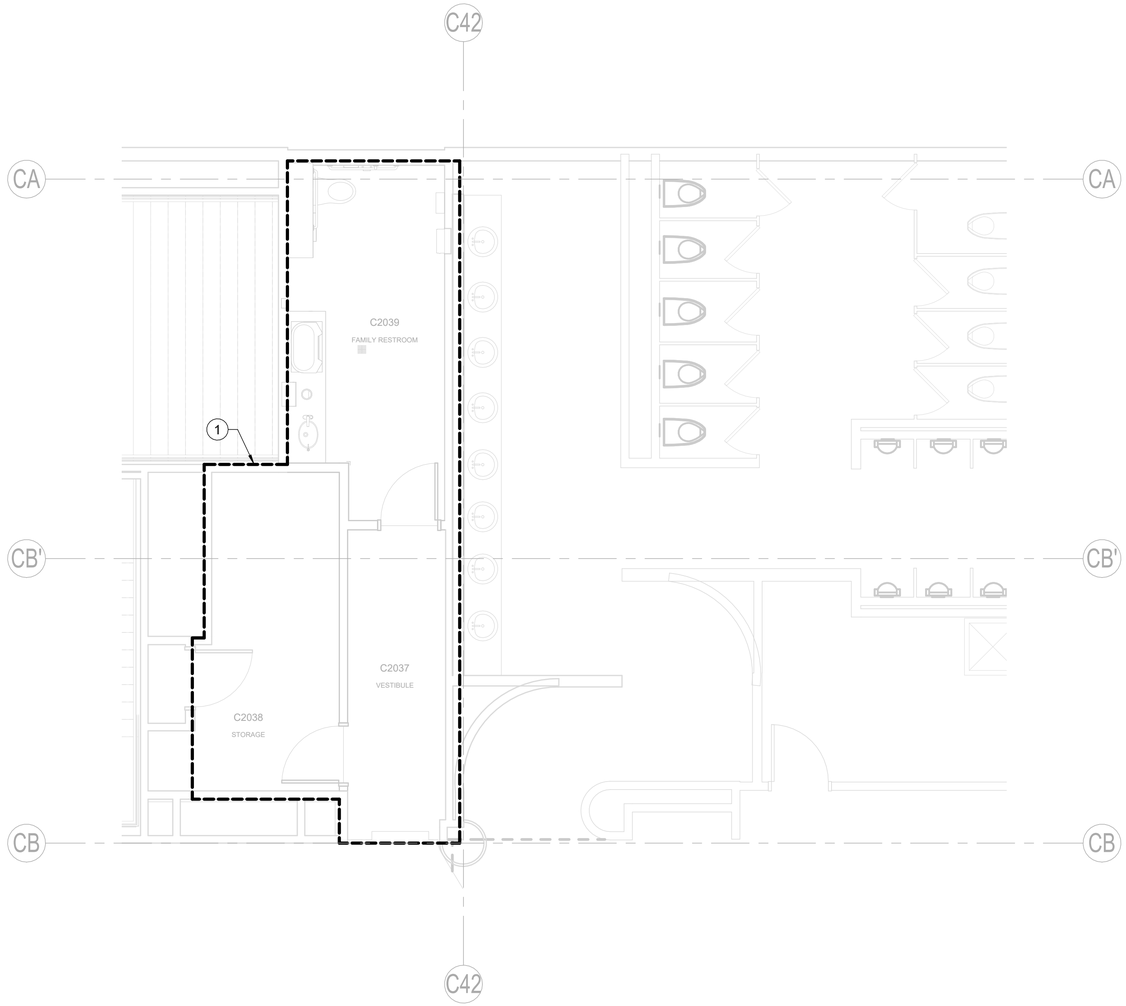


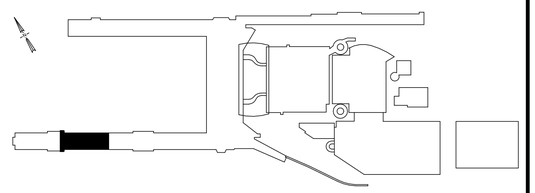
NOTES

A. REVISE FIRE SPRINKLER SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13 AND LOCAL FIRE CODE. REFER TO ARCHITECTURAL PLANS FOR COORDINATION WITH OTHER CEILING MOUNTING EQUIPMENT AND FOR SPRINKLER HEAD PLACEMENT.

B. COORDINATE WORK WITH ALL OTHER TRADES, INCLUDING BUT NOT LIMITED TO: ELECTRICAL, HVAC, PLUMBING, STRUCTURAL AND GENERAL ARCHITECTURE.

KEY NOTES (#)

1. AREA OF WORK. ADD, REPLACE OR RELOCATE FIRE SPRINKLERS AS REQUIRED TO PROVIDE TOTAL SPRINKLER COVERAGE PER NFPA 13 AND LOCAL AHJ. PROVIDE SPRINKLER HEAD LAYOUTS SHOWN FOR CEILING TYPES INDICATED.



1 CONCOURSE C - SECTOR 5 - C2039 - ENPLANING - FLOOR PLAN - FIRE PROTECTION
SCALE: 1/4" = 1'-0"

NO.	DATE	BY	REVISIONS	APP

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DRAWN BY	C. RICHARDS		
CHECKED BY	T. LEWIS		
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SHEET NO.	104	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	FP2.00

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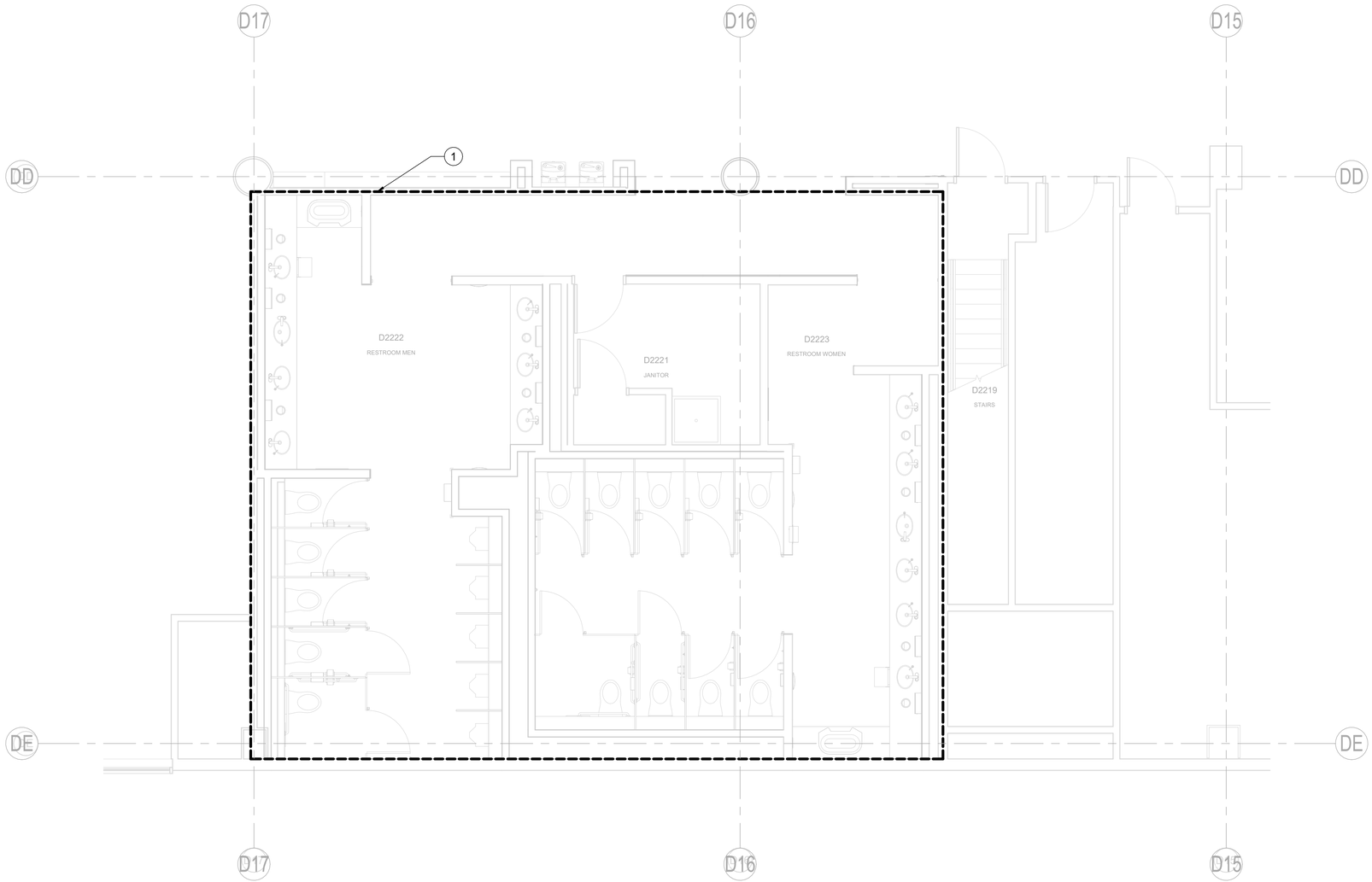

NOTES

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KEY NOTES (#)

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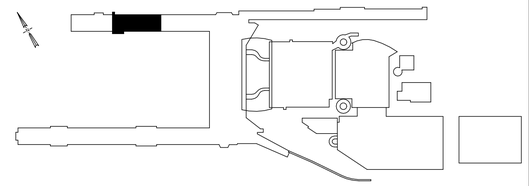
1 CONCOURSE D - SECTOR 2 - D2221, D2222, D2223 - ENPLANING - FLOOR PLAN - FIRE PROTECTION
SCALE: 1/4" = 1'-0"



NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE D - ENPLANING - SECTOR 2 - D2221, D2222, D2223 - FLOOR PLAN - FIRE PROTECTION

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	E. WALCZYK
DRAWN BY	C. RICHARDS
CHECKED BY	T. LEWIS
DATE	JULY 2026
SHEET NO.	105 TYPE CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	FP2.01

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

7/14/2026 10:43:01 AM Autodesk Docs://PDX CCD West and South Bag Claim Restroom Rehabilitation/25-2116 PDX Restroom SARA Upgrade MEP25.rvt

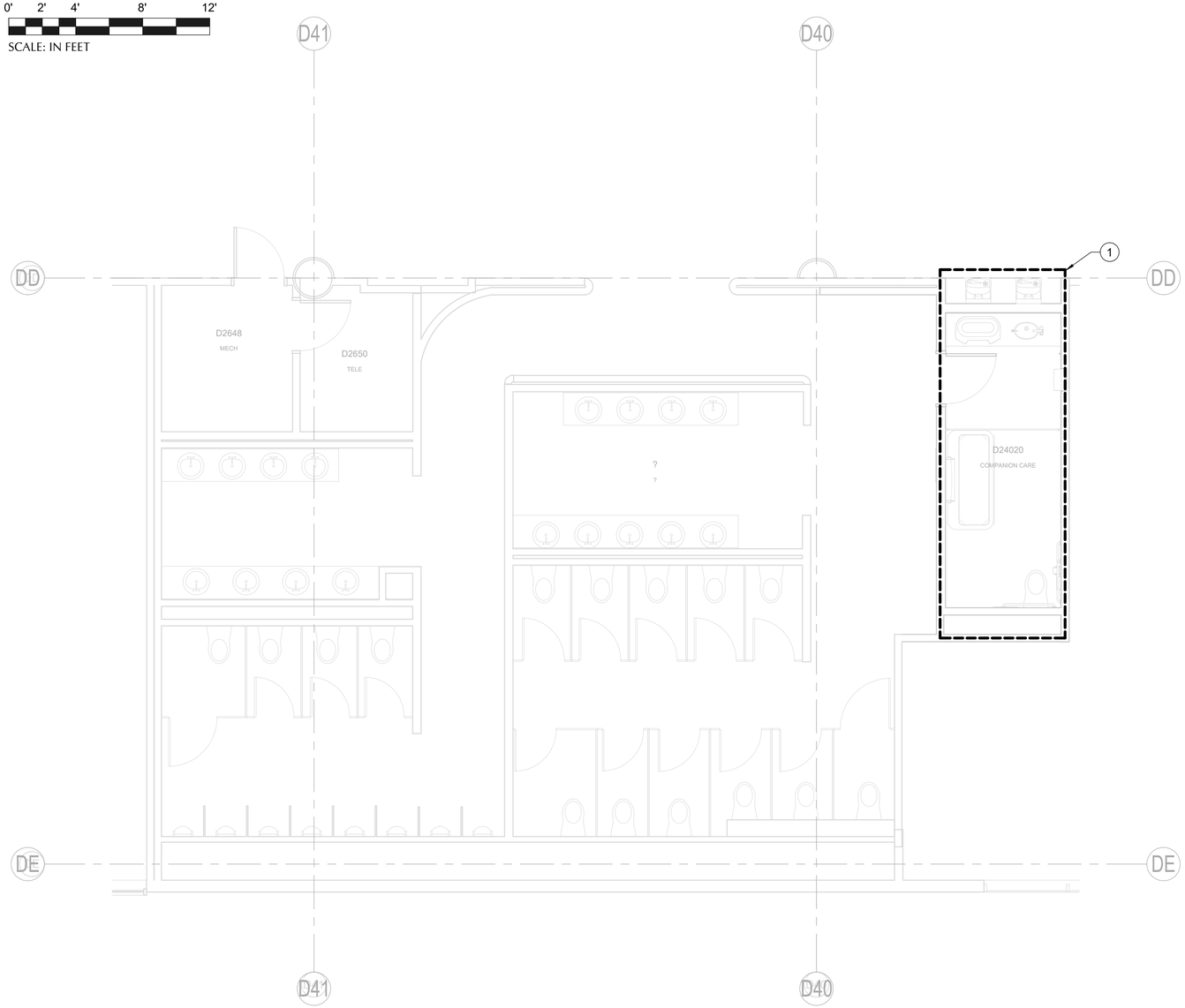
IF ELECTRONIC SIGNATURE IS BROKEN OR MISSING - THIS IS NOT A LEGAL DRAWING

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

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.

light gray
dark gray
black

0' 2' 4' 8' 12'
SCALE: IN FEET



NOTES

A. REVISE FIRE SPRINKLER SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13 AND LOCAL FIRE CODE. REFER TO ARCHITECTURAL PLANS FOR COORDINATION WITH OTHER CEILING MOUNTING EQUIPMENT AND FOR SPRINKLER HEAD PLACEMENT.

B. COORDINATE WORK WITH ALL OTHER TRADES, INCLUDING BUT NOT LIMITED TO: ELECTRICAL, HVAC, PLUMBING, STRUCTURAL AND GENERAL ARCHITECTURE.

KEY NOTES (#)

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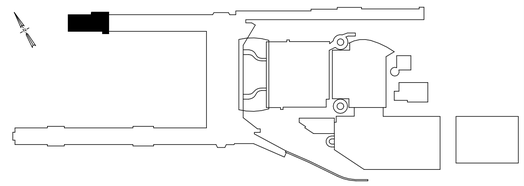

1 CONCOURSE D - SECTOR 3 - D24020 - ENPLANING - FLOOR PLAN - FIRE PROTECTION
SCALE: 1/4" = 1'-0"

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE D - ENPLANING - SECTOR 3 - D24020 - FLOOR PLAN - FIRE PROTECTION

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	E. WALCZYK
DRAWN BY	C. RICHARDS
CHECKED BY	T. LEWIS
DATE	JULY 2026
SHEET NO.	106
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	FP2.02

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

7/14/2026 10:43:03 AM Autodesk Docs://PDX CCD West and South Bag Claim Restroom Rehabilitation/25-2116 PDX Restroom SARA Upgrade MEP25.rvt

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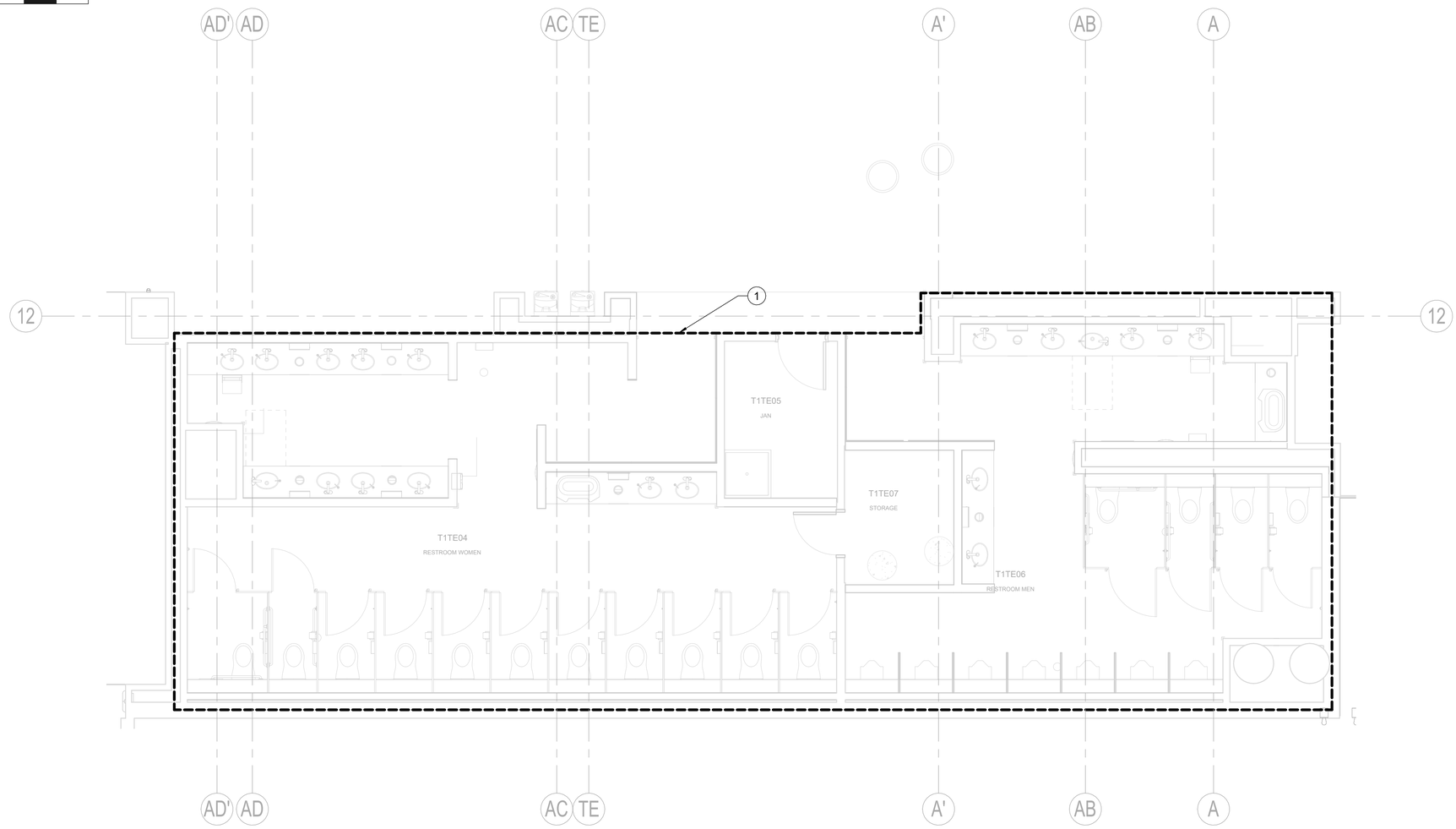

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KEY NOTES (#)

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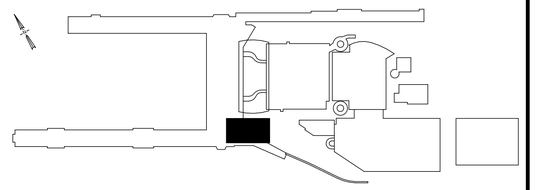
1 TERMINAL - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - DEPLANING - FLOOR PLAN - FIRE PROTECTION
SCALE: 1/4" = 1'-0"



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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

TERMINAL - DEPLANING - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - FLOOR PLAN - FIRE PROTECTION

SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	E. WALCZYK		
DRAWN BY	C. RICHARDS		
CHECKED BY	T. LEWIS		
DATE	JULY 2026		
SHEET NO.	107	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	FP2.03

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

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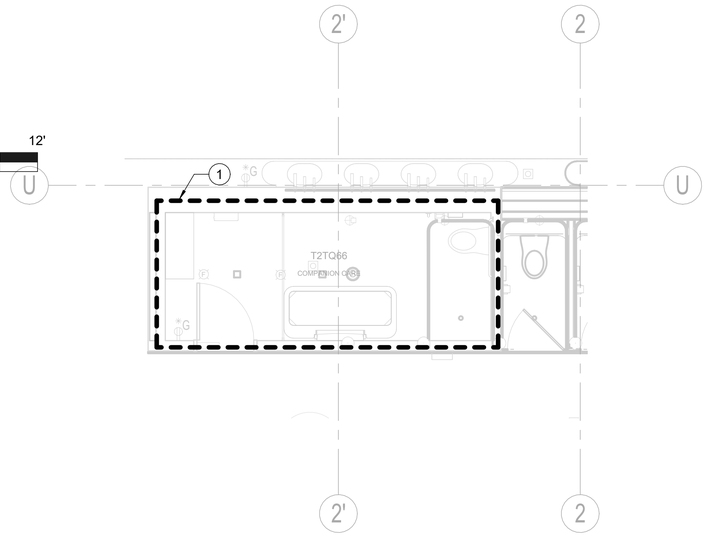
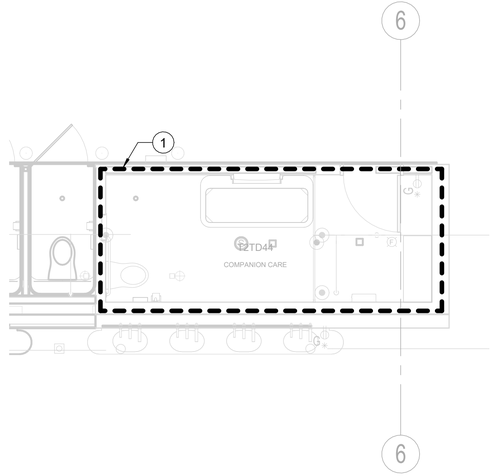


4 TERMINAL - SECTOR W - T2TQ66 - ENPLANING - FLOOR PLAN - FIRE PROTECTION
SCALE: 1/4" = 1'-0"



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

NOTES

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KEY NOTES (#)

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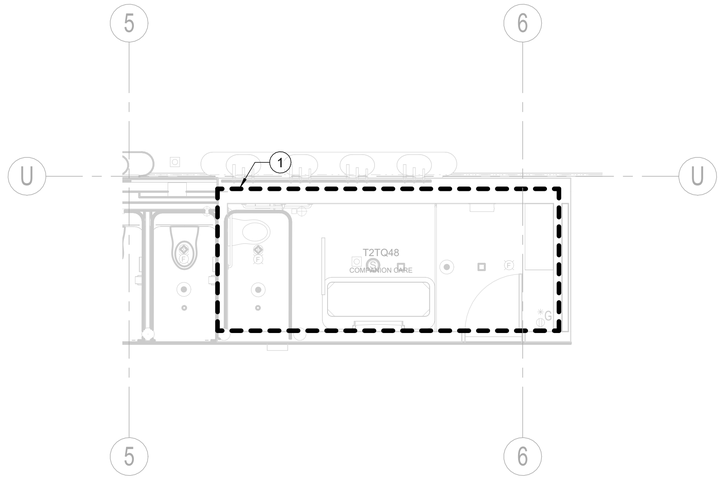
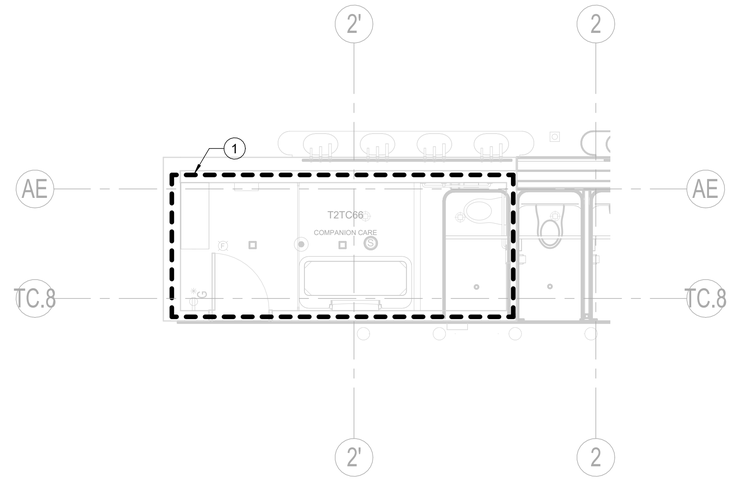
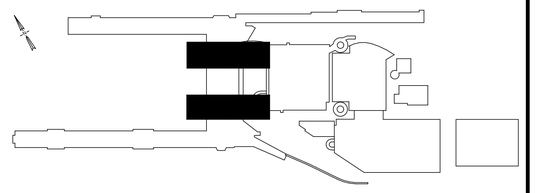


3 TERMINAL - SECTOR E2 - T2TQ48 - ENPLANING - FLOOR PLAN - FIRE PROTECTION
SCALE: 1/4" = 1'-0"



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



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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

TERMINAL - ENPLANING - T2TQ66, T2D44, T2TQ48, T2TC66 - FLOOR PLAN - FIRE PROTECTION

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	E. WALCZYK
DRAWN BY	C. RICHARDS
CHECKED BY	T. LEWIS
DATE	JULY 2026
SHEET NO.	108
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	FP2.04

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.

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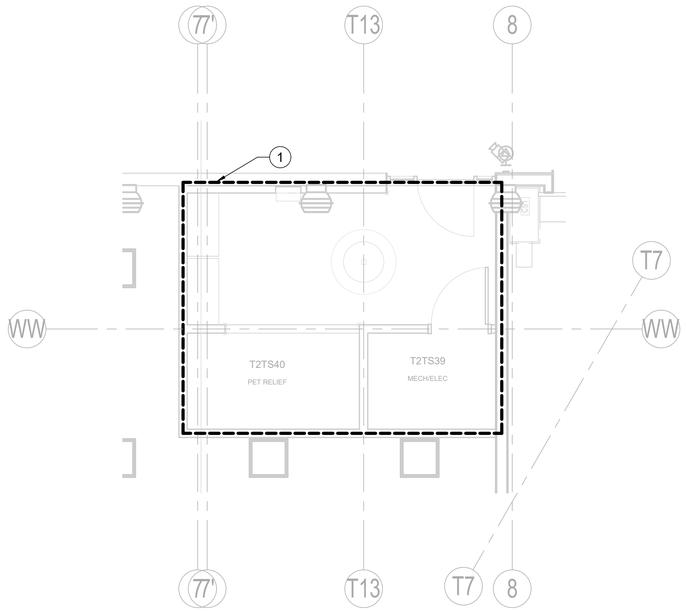

1 TERMINAL - SECTOR E1 - T2TS40 - ENPLANING - FLOOR PLAN - FIRE PROTECTION
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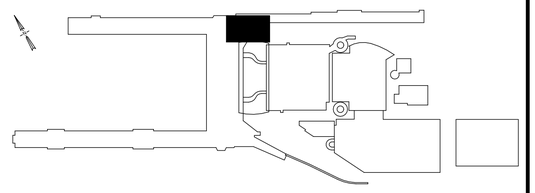

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

TERMINAL - ENPLANING - SECTOR E1 - T2TS40 - FLOOR PLAN - FIRE PROTECTION

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	E. WALCZYK
DRAWN BY	C. RICHARDS
CHECKED BY	T. LEWIS
DATE	JULY 2026
SHEET NO.	109
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	FP2.08

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ELECTRICAL LEGEND:

AFF	ABOVE FINISHED FLOOR	KVA	KILOVOLT AMPERE
A	AMPERE (AMP)	KVAR	KILOVOLT AMPERES REACTIVE
AL	ALUMINUM	LA	LIGHTNING ARRESTOR
AFCI	ARC FAULT CIRCUIT INTERRUPTER	LTG	LIGHTING
ARCH	ARCHITECT / ARCHITECTURAL	LV	LOW VOLTAGE
ASSY	ASSEMBLY	MATV	MASTER ANTENNA TELEVISION
ATS	AUTOMATIC TRANSFER SWITCH	MCA	MINIMUM CIRCUIT AMPS
AWG	AMERICAN WIRE GAUGE	MCB	MAIN CIRCUIT BREAKER
BPE	BAGGAGE POWER ENCLOSURE	MCC	MOTOR CONTROL CENTER
CB	CIRCUIT BREAKER	MDP	MAIN DISTRIBUTION PANEL
C	CONDUIT	MECH	MECHANICAL
CBRA	CHECKED BAGGAGE RESOLUTION AREA	MIT	MOBILE INSPECTION TABLE
CCTV	CLOSED CIRCUIT TELEVISION	MLO	MAIN LUGS ONLY
CKT	CIRCUIT	MTS	MANUAL TRANSFER SWITCH
CLG	CEILING	NIC	NOT IN CONTRACT
CONC	CONCESSIONS	NGR	NEUTRAL GROUNDING RESISTOR
CT	CURRENT TRANSFORMER	NL	NIGHT LIGHT CIRCUIT
CU	COPPER	N.T.S.	NOT TO SCALE
DAS	DISTRIBUTED ANTENNA SYSTEM	PA	PUBLIC ADDRESS
DIV	DIVISION	PBB	PASSENGER BOARDING BRIDGE
DN	DOWN	PCA	PRE-CONDITIONED AIR
EGB	ELECTRICAL GROUND BAR	PE	PHOTO ELECTRIC CELL
ELECT	ELECTRICAL	PF	POWER FACTOR
ELSE	EXIT LANE SECURITY ENCLOSURE	PLC	PROGRAMMABLE LOGIC CONTROLLER
ELV	ELEVATOR	PNL	PANELBOARD
EM	EMERGENCY	PVC	POLYVINYL CHLORIDE CONDUIT
EMERG	EMERGENCY	PWR	POWER
EMGB	ELECTRICAL MAIN GROUND BAR	PWC	POTABLE WATER CABINET
EMT	ELECTRIC METALLIC TUBING	RCPT	RECEPTACLE
EP	EXPLOSION PROOF	RSP	RESTROOM SENSOR PANEL
EPO	EMERGENCY POWER OFF	SE	SERVICE ENTRANCE
ES	ETHERNET SWITCH	SDP	SUB DISTRIBUTION PANEL
EWC	ELECTRIC WATER COOLER	STR	STARTER
FA	FIRE ALARM	SV	SOLENOID VALVE
FLA	FULL LOAD AMPS	SW	SWITCH
FLUOR	FLUORESCENT	TD	TIME DELAY
FCIC	FURNISHED BY CONTRACTOR INSTALLED BY CONTRACTOR	TECH	TECHNOLOGY
		TGB	TECHNOLOGY GROUND BAR
FOIC	FURNISHED BY OWNER INSTALLED BY CONTRACTOR	TMGB	TECHNOLOGY MAIN GROUND BAR
		TGDS	TEMPORARY GENERATOR DOCKNG STATION
FOIO	FURNISHED BY OWNER INSTALLED BY OWNER	TP	TAMPERPROOF
		TSA	TRANSPORTATION SECURITY ADMINISTRATION
GB	GROUND BAR	TTB	TELEPHONE TERMINAL BOARD
GFP	GROUND FAULT PROTECTION	TTC	TELEPHONE TERMINAL CABINET
GFI	GROUND FAULT INTERRUPTER	TV	TELEVISION
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TYP	TYPICAL
GND	GROUND	UG	UNDERGROUND
GRC	GALVANIZED RIGID CONDUIT	UNO	UNLESS NOTED OTHERWISE
GSHPS	GROUND SOURCE HEAT PUMP SYSTEM	UPS	UNINTERRUPTABLE POWER SUPPLY
HP	HORSEPOWER	UPSTC	UNINTERRUPTABLE POWER SUPPLY TIE CABINET
HV	HIGH VOLTAGE	USB	UNIVERSAL SERIAL BUS
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING	V	VOLTAGE
		VA	VOLT AMPERES
HZ	HERTZ	VP	VAPOR PROOF
IG	ISOLATED GROUND	W	WATTS
JB	JUNCTION BOX	WAP	WIRELESS ACCESS POINT
KW	KILOWATT	WP	WEATHER PROOF
KWH	KILOWATT HOUR	XFMR	TRANSFORMER
KV	KILOVOLT	XFSW	TRANSFER SWITCH

PDX ELECTRICAL EQUIPMENT NAMING CONVENTION:

E 4 L 2 T-1A-A

POWER CLASSIFICATION:
- BLANK - NORMAL POWER
- E - EMERGENCY POWER LEGALLY REQUIRED (NEC 700)
- S - STANDBY POWER LEGALLY REQUIRED (NEC 701)
- O - OPTIONAL STANDBY POWER (NEC 702)
- U - UNINTERRUPTIBLE POWER

VOLTAGE:
- 2 - 208Y/120V
- 4 - 480Y/277V
- 5 - 4160Y/2400V
- 15 - 12470Y/7200V

EQUIPMENT:
- A - AUTOMATIC TRANSFER SWITCH
- B - BUSWAY
- C - STARTER/CONTROLLER
- D - MAIN/SWITCHGEAR DISTRIBUTION PANEL
- E - SECTIONALIZING ELBOW CABINET
- G - GENERATOR
- L - LIGHTING PANEL
- LDC - LIGHTING DIMMING RELAY CABINET
- LRC - LIGHTING RELAY CABINET
- M - MOTOR CONTROL CENTER
- P - POWER PANEL
- PZ - MINI POWER ZONE
- R - RESISTOR
- S - SUB DISTRIBUTION PANEL
- T - TRANSFORMER
- TC - TIE CABINET
- U - UPS
- V - VARIABLE FREQUENCY DRIVE
- W - EXTERNAL UPS WRAP-AROUND BYPASS SWITCH

BUILDING LEVEL OR ELEVATION:
- 0 - TUNNEL/VAULT/UNDERGROUND
- 1 - FIRST LEVEL OR GRADE LEVEL (ITEMS EXTERNAL TO TERMINAL)
- 2 - SECOND LEVEL
- 3 - THIRD LEVEL
- 4 - FOURTH LEVEL
- 5 - FIFTH LEVEL
- 6 - SIXTH LEVEL
- 7 - SEVENTH LEVEL

CONCOURSE OR AREA:
- AF - AIRFIELD (RUNWAY OR TAXIWAY)
- AOA - AIRCRAFT OPERATING AREA
- B - CONCOURSE B
- C - CONCOURSE C
- D - CONCOURSE D
- DPS - DEICING PUMP STATION
- E - CONCOURSE E
- EL - HQ EMPLOYEE PARKING LOT
- EXP - ECONOMY LOT EXIT PLAZA BUILDING
- GS - GROUND SOURCE WELL SITES
- H - HEADQUARTERS (HQ)
- HL - TRANSPORTATION PROVIDERS HOLD LOT
- M - MAINTENANCE FACILITY
- P - PARKING STRUCTURE #1 (SHORT TERM)
- P2 - PARKING STRUCTURE #2 (LONG TERM)
- P3 - PARKING STRUCTURE #3 (LONG TERM)
- PL - PARKING LOT
- Q - QTA
- R - AIRCRAFT RESCUE & FIREFIGHTING FACILITY (ARFF)
- RC - RENTAL CAR CENTER
- S - STREET (ITEMS LOCATED ADJACENT TO ROADWAY SYSTEM)
- T - TERMINAL (TICKETING AND BAGGAGE)
- TP - DEICING TREATMENT PLANT
- U - CUP
- V - VEHICLE GATE
- X - EXIT PLAZA (PARKING EXIT BUILDING)

EQUIPMENT LOCATION WITHIN GRID SYSTEM OR FIELD LOCATED EQUIPMENT:
(WITHIN GRID SYSTEM)
- 1A - NEARERST GRIDLINE INTERSECTION

IDENTIFIER:
- A - FIRST IN SERIES OF EQUIPMENT
- B - SECOND IN SERIES OF EQUIPMENT
- ETC.

MISCELLANEOUS EQUIPMENT:
ELECTRICAL VEHICLE CHARGING STATION NUMBERING

EV<X> - (AREA)<Y>

- <X> = SEQUENTIAL NUMBER
- <Y> = LEVEL
- (AREA) = CONCOURSE OR AREA

POWER - PLANS:

- WALL RECEPTACLE: DUPLEX, QUADPLEX
- SINGLE WALL RECEPTACLE, FACELESS GFCI REMOTE TEST BUTTON
- DENOTES GFCI
- DENOTES GFCI AND WEATHER PROOF
- DENOTES RECEPTACLE ABOVE COUNTER OR HEIGHT AS NOTED
- SPECIAL PURPOSE RECEPTACLE.
- CEILING RECEPTACLE: DUPLEX, QUADPLEX
- FB1 FB2 — FLUSH FLOORBOX RECEPTACLE. REFER TO SCHEDULE FOR QUANTITY AND TYPES OF DEVICES.
- PT1 PT2 — FLUSH POKE-THROUGH RECEPTACLE. REFER TO SCHEDULE FOR QUANTITY AND TYPES OF DEVICES.
- DENOTES SPLIT-WIRED, HALF SWITCHED / CONTROLLED REFER TO SPECIFICATIONS & PLANS FOR CONTROL INFORMATION.
- DENOTES FULL SWITCHED / CONTROLLED. REFER TO SPECIFICATIONS & PLANS FOR CONTROL INFORMATION.
- FB3 FB4 — SWITCHED / CONTROLLED FLUSH FLOORBOX RECEPTACLE. REFER TO SCHEDULE & PLANS FOR CONTROL INFORMATION.
- PT3 PT4 — SWITCHED / CONTROLLED FLUSH POKE-THROUGH RECEPTACLE. REFER TO SCHEDULE & PLANS FOR CONTROL INFORMATION.
- LETTER DESIGNATOR:
  - E = EMERGENCY
  - U = UPS
  - S = STANDBY
  - C = CRITICAL
  - H = SPLIT RECEPTACLE
  - IG = ISOLATED GROUND
  - P = SURGE PROTECTIVE DEVICE
  - A = AFCI
  - B = WITH USB OUTLETS
- 2NP1:42 — DENOTES PANELBOARD AND CIRCUIT NUMBER.
- 42 — DENOTES CIRCUIT NUMBER. REFER TO SHEET GENERAL NOTES FOR PANELBOARD.
- PEDESTAL OUTLET: POWER & SIGNAL COMBINATION
- SURFACE OUTLET STRIP: DIMENSION AS SHOWN. SEE SPECIFICATIONS.
- 1,3,5 1,3,5 — POWER POLE, POWER, COMBINATION CIRCUITS AS INDICATED.
- J — JUNCTION BOX
- H J 1,3,5 — JUNCTION BOX HOME RUN. CIRCUITS AS INDICATED.
- F J 1,3,5 — JUNCTION BOX HOME RUN & FURNITURE FEED. CIRCUITS AS INDICATED.
- CONNECTION TO EQUIPMENT PROVIDED BY OTHERS
- PUSH BUTTON STATION: SINGLE, DOUBLE
- ELECTRICAL EQUIPMENT
- PANELBOARD: SURFACE, RECESSED
- ENCLOSURE: SURFACE, RECESSED
- T — TRANSFORMER
- F — DISCONNECT: NON FUSED, FUSED
- GROUND PAD
- PM — NETWORKED POWER METERING/MONITORING
- ENCLOSED CIRCUIT BREAKER

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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REGISTERED PROFESSIONAL ENGINEER 44775PE OREGON JULY 13, 1995 GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

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.	E0.01

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

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
		PENDANT: SQUARE, ROUND
	NA	EXIT SIGN: TOP SURFACE OR TOP RECESSED: SINGLE , DOUBLE
	NA	EXIT SIGN: SIDE OR FLAG MOUNT: SINGLE , DOUBLE
	NA	EXIT SIGN: BACK SURFACE MOUNT
		WALL MOUNTED: RECESSED: SQUARE, ROUND
		WALL MOUNTED: SURFACE: SQUARE, ROUND
		POLE-MOUNTED: AREA: SQUARE, ROUND
		POLE-MOUNTED: STREET: RECTANGULAR, OVAL
		POLE-MOUNTED: PEDESTRIAN: SQUARE, ROUND
		BOLLARD 360: SQUARE, ROUND
		BOLLARD 180: SQUARE, ROUND
NA		INGRADE SQUARE, ROUND
NA		INGRADE ADJUSTABLE SQUARE, ROUND
NA		FLOOD LIGHT
$	$2	WALL SWITCH: 1 POLE, 2 POLE
$3	$4	WALL SWITCH: 3 WAY, 4 WAY
$K	$M	WALL SWITCH: KEY LOCK, MOMENTARY
$LV	$P	WALL SWITCH: LOW VOLTAGE, PILOT
$T	$D	WALL SWITCH: TIMER, MANUAL DIMMER
$OS		WALL SWITCH: COMBINATION OCCUPANCY SENSOR / SWITCH
		CONTROL STATION SUGGESTED LOCATION
$OSD	$VSD	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
PEH	PE	PHOTOELECTRIC CELL: WALL MOUNTED, CEILING MOUNTED
OSX	OSX	OCCUPANCY SENSOR: CEILING OR WALL MOUNTED
		"X" DESIGNATES DEVICE TYPE:
USX	USX	U: ULTRASONIC
		R: INFRARED
		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, SEE SCHEDULE.
ITP / XX	INTEGRATED TECH POLE

NOTE:

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

FIRE ALARM

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

WALL	CEILING	NOTIFICATION DEVICES
		VISIBLE (STROBE)
F / X	FC / XC	HORN; COMBINATION HORN / VISIBLE
S / X	SC / XC	SPEAKER; COMBINATION SPEAKER / VISIBLE
F	FC	BELL
F / X	FC / XC	CHIME; COMBINATION CHIME / VISIBLE

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

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44775PE
OREGON
JULY 13, 1999
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

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.	PDX 2026-510
DISC. SHT. NO.	E0.02

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.

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

EQUIPMENT DESCRIPTION					ELECTRICAL CHARACTERISTICS							CONNECTION CHARACTERISTICS			FEEDER CHARACTERISTICS				PANEL INFORMATION			SCCR
EQUIPMENT TAG												CONTROL	DISCONNECT									
TYPE	NO.	DESCRIPTION	LOCATION	ROOM NUMBER	HP	VA	FLA	MCA	MOCP	VOLTS	PHASE	DIVISION	DIVISION	GENERATOR/ BACKUP REQ'D	NUMBER OF SETS	CONDUIT	PHASE CONDUCTORS	GROUND CONDUCTORS	PANEL	CIRCUIT	KEY NOTES	AVAILABLE FAULT (kA)
MECHANCIAL																						
EF	-CE-304	EXHAUST FAN	ON ROOF OF C2040		1.5		3			480	3	23	26	NO	1	3/4"C	(3) 12	(1) 12	M4C3B	5C	1	<5
EF	-D401	EXHAUST FAN	ON ROOF D3220		2		3.4			480	3	23	26	NO	1	3/4"C	(3) 12	(1) 12	M4D3B	2C	1	<5
EF	T-TSTSE5-01	EXHAUST FAN	ANIMAL RELIEF AREA			57				120	1	23	26	NO	1	3/4"C	(2) 12	(1) 12	2P1T-15S-A	15		<5
EF	-D-303	EXHAUST FAN	ON ROOF OF D2646		1		2.1			480	3	23	26	NO	1	3/4"C	(3) 12	(1) 12	M4D3A	4C	1	<5
PLUMBING																						
EWH	-C2039	ELECTRIC WATER HEATER, INSTANTANEOUS	RESTROOM	C2039			12.00			120	1	22	26	NO	1	3/4"C	(2) 12	(1) 12	2P1C-C41	18		<5
EWH	-D2221	ELECTRIC WATER HEATER, TANK	PMB JANITOR	D2221			21.70			480	3	22	26	NO	1	3/4"C	(3) 10	(1) 10	4P2D-16D-B	38,40,42		<5
EWH	103	ELECTRIC WATER HEATER, TANK	SECTOR E1	T2TS39			21.70			480	3	22	26	NO	1	3/4"C	(3) 10	(1) 10	4P1T-8W	4,6,8		<5
RHWP	-D2221	RECIRCULATING HOT WATER PUMP	PMB JANITOR	D2221	1/6		4.4			120	1	22	26	NO	1	3/4"C	(2) 12	(1) 12	2D2BA	34		<5
MV	-D2221	ELECTRONIC MIXING VALVE	PMB JANITOR	D2221			1			120	1	22	26	NO	1	3/4"C	(2) 12	(1) 12	2D2BA	36		<5
MV	102	ELECTRONIC MIXING VALVE	JAN	T1TE05			1			120	1	22	26	NO	1	3/4"C	(2) 12	(1) 12	2P1T-7C	15		<5
MV	-T2TS39	ELECTRONIC MIXING VALVE	SECTOR E1	T2TS39			1			120	1	22	26	NO	1	3/4"C	(2) 12	(1) 12	2P1T-15S-A	12		<5
IRR	101	IRRIGATION CONTROLLER	SECTOR E1	T2TS39			1			120	1	22	26	NO	1	3/4"C	(2) 12	(1) 12	2P1T-15S-A	14		<5
TP	101	TRAP PRIMER	PMB JANITOR	D2221			1			120	1	22	26	NO	1	3/4"C	(2) 12	(1) 12	2D2BA	36		<5

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 NSTALLATION 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.

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

EQUIPMENT CONNECTION SCHEDULE - ELECTRICAL

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

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

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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

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

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

LUMINAIRE SCHEDULE - ELECTRICAL

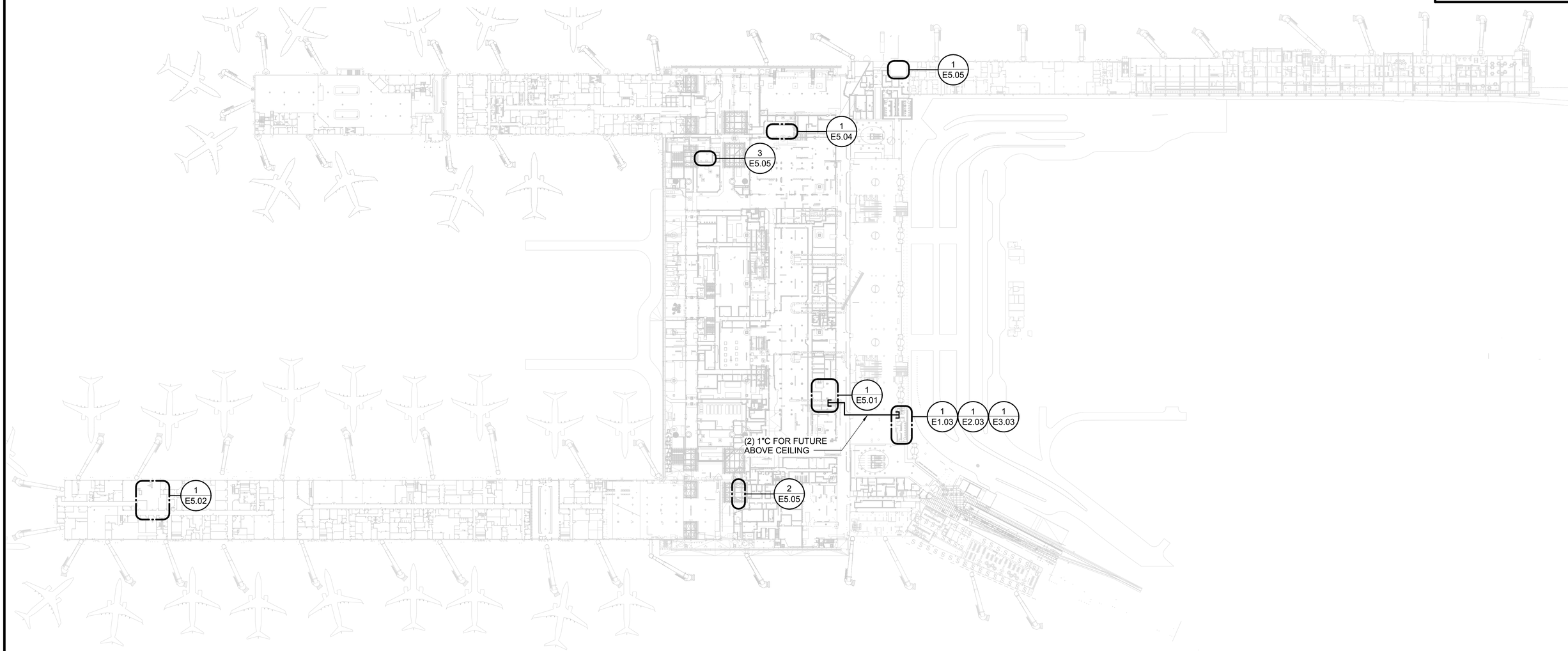
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. NGUYEN
DRAWN BY	A. NGUYEN
CHECKED BY	J. MUTSCHLER
DATE	JULY 2026
SHEET NO.	113
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	E0.04

light gray
dark gray
black

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.

0" 50' 100' 200' 300'

SCALE: IN FEET



1 DEPLANING - KEY PLAN - ELECTRICAL
SCALE: 1" = 100'-0"

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

NO.	DATE	BY	REVISIONS	APP

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PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
DEPLANING 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.	114	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	E0.10

light gray
dark gray
black

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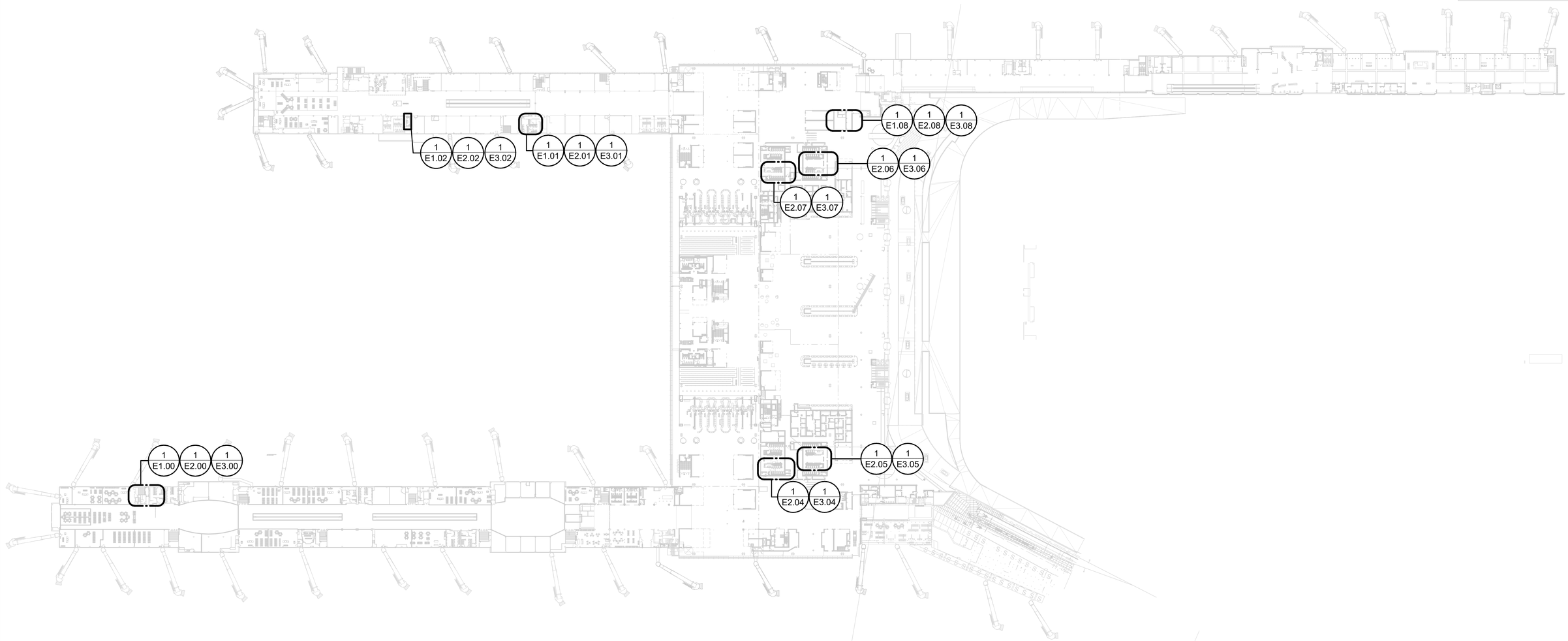
N

0" 50' 100' 200' 300'

SCALE: IN FEET



1 ENPLANING - KEY PLAN - ELECTRICAL
SCALE: 1" = 100'-0"

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

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ENPLANING 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.	115	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	E0.20

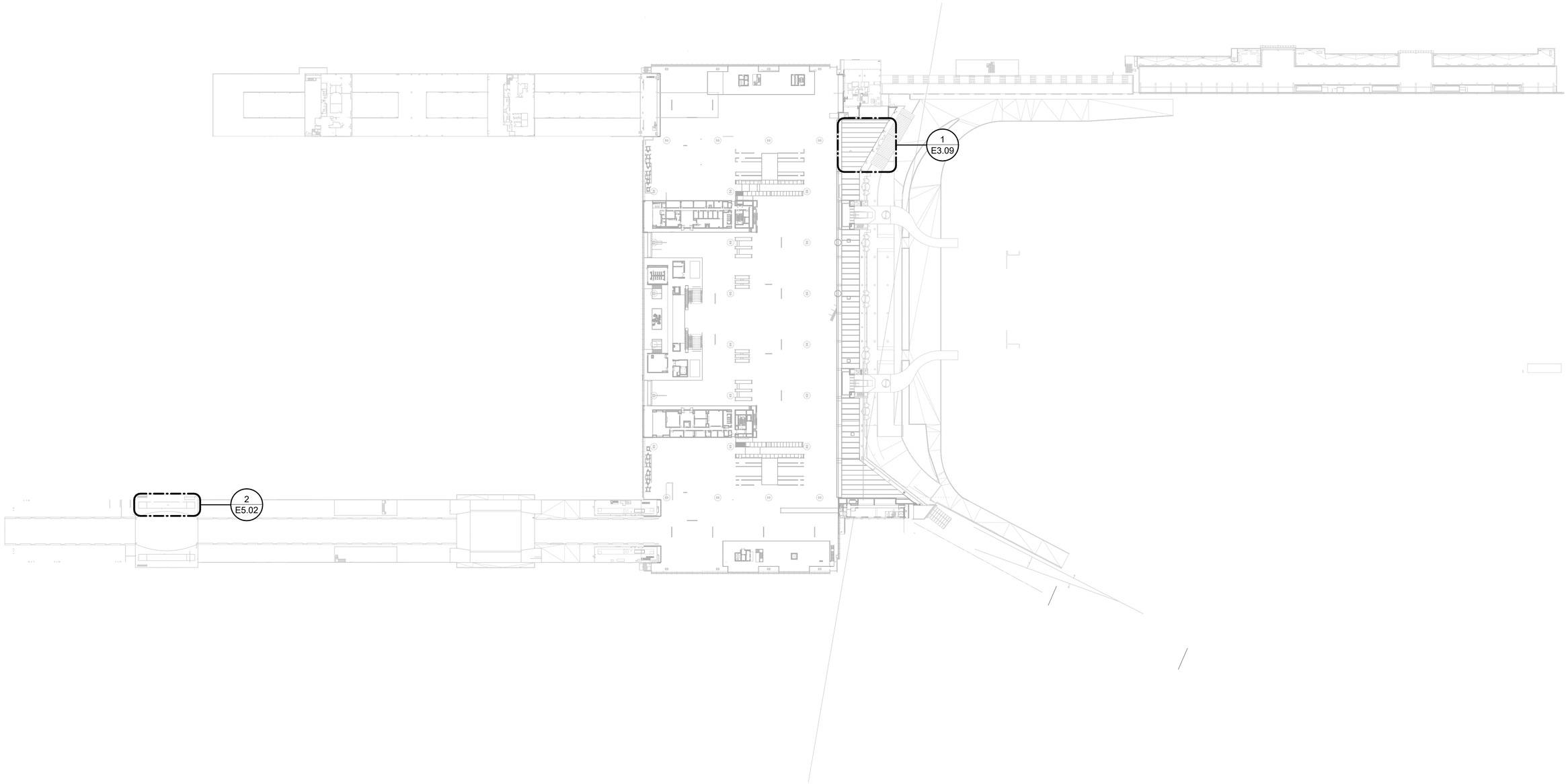
light gray
dark gray
black

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.

N

0" 50' 100' 200' 300'

SCALE: IN FEET



DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".
0 1" 2"
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TERMINAL RESTROOM REHABILITATION 2026

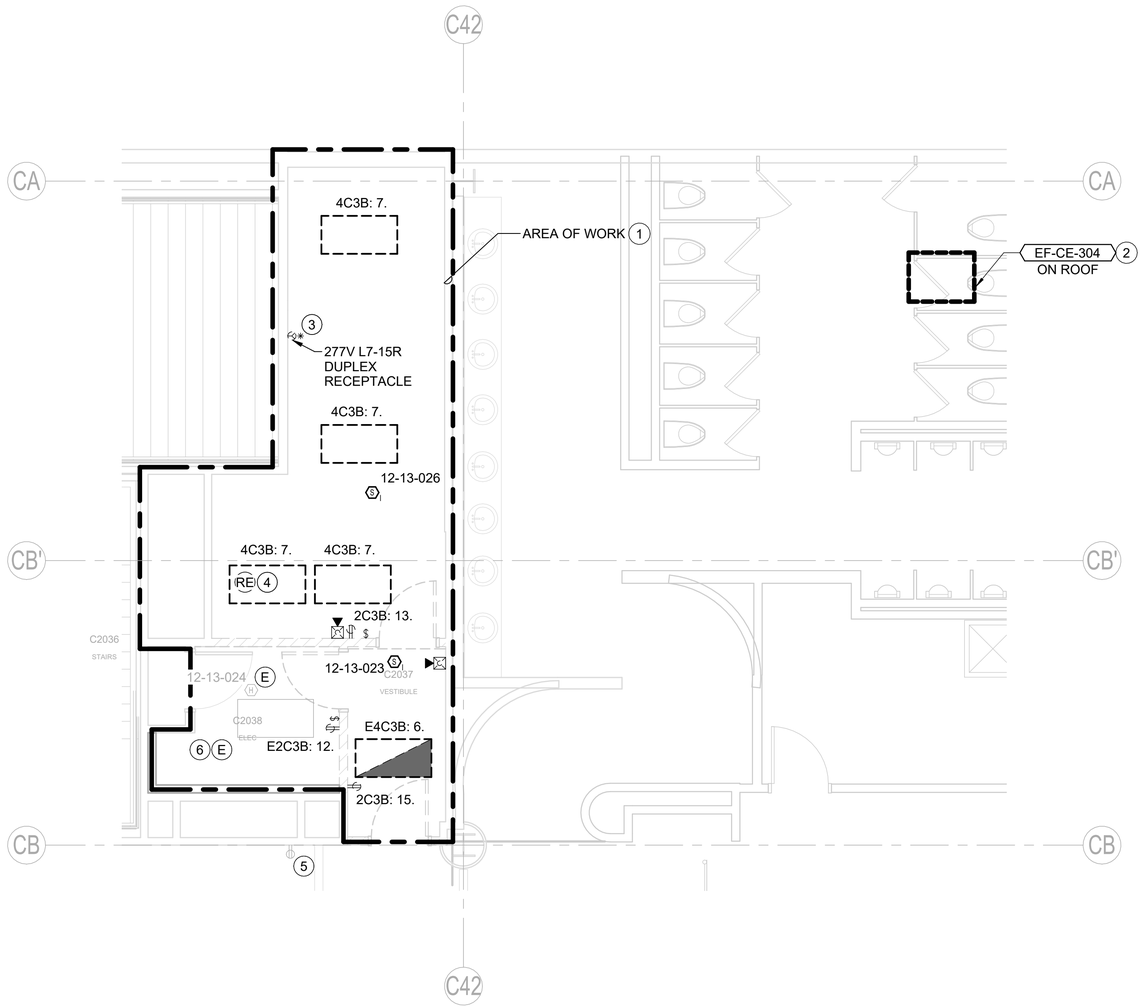
MEZZANINE LEVEL - KEY PLAN - ELECTRICAL

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.	E0.30

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.

0' 2' 4' 8' 12'

SCALE: IN FEET



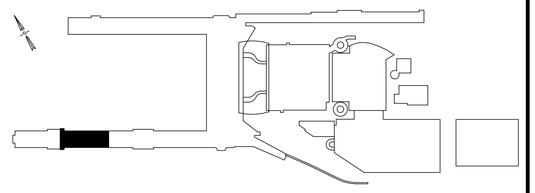
1 CONCOURSE C - SECTOR 5 - C2039 - ENPLANING - DEMO PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"

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



NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 44775PE OREGON JULY 13, 1995 GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE C - ENPLANING - SECTOR 5 - C2039 - DEMO PLAN - ELECTRICAL

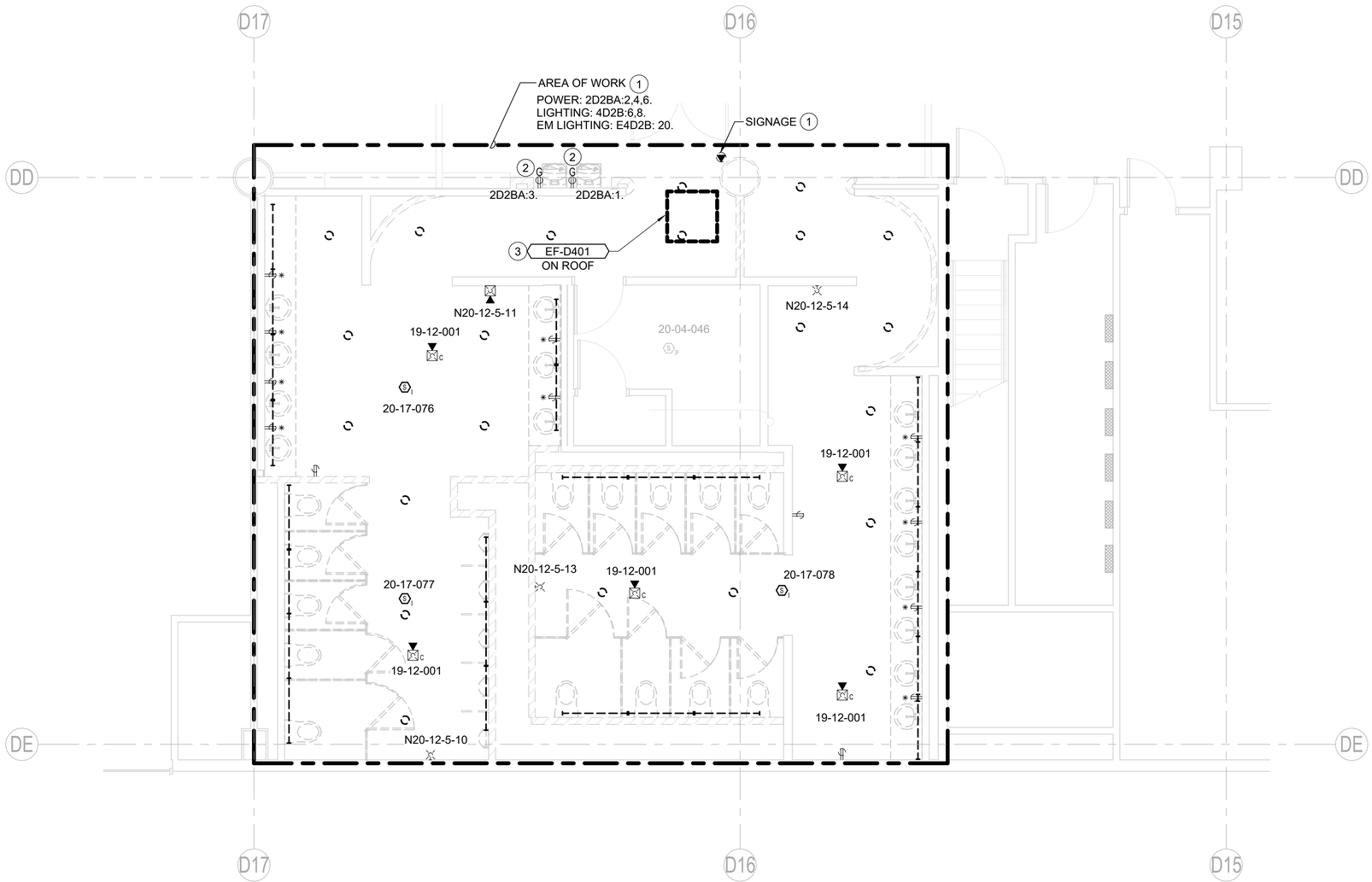
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. NGUYEN
DRAWN BY	A. NGUYEN
CHECKED BY	J. MUTSCHLER
DATE	JULY 2026
SHEET NO. 117	TYPE CD
DRAWING NO. PDX 2026-510	DISC. SHT. NO. E1.00

DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17". GRAPHIC SCALE-FOR REFERENCE ONLY
0 1/8" 1/2" 1" 2"

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.

light gray
dark gray
black

0' 2' 4' 8' 12'
SCALE: IN FEET



NOTES

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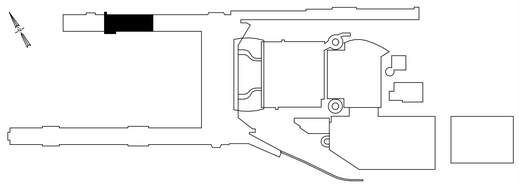
4. MAINTAIN THE INTEGRITY OF ALL BRANCH CIRCUITS, FEEDERS, ENERGIZED EQUIPMENT,ETC THAT ROUTE THROUGH DEMOLITION AREAS AND SERVE EQUIPMENT TO REMAIN.

KEY NOTES (#)

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

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

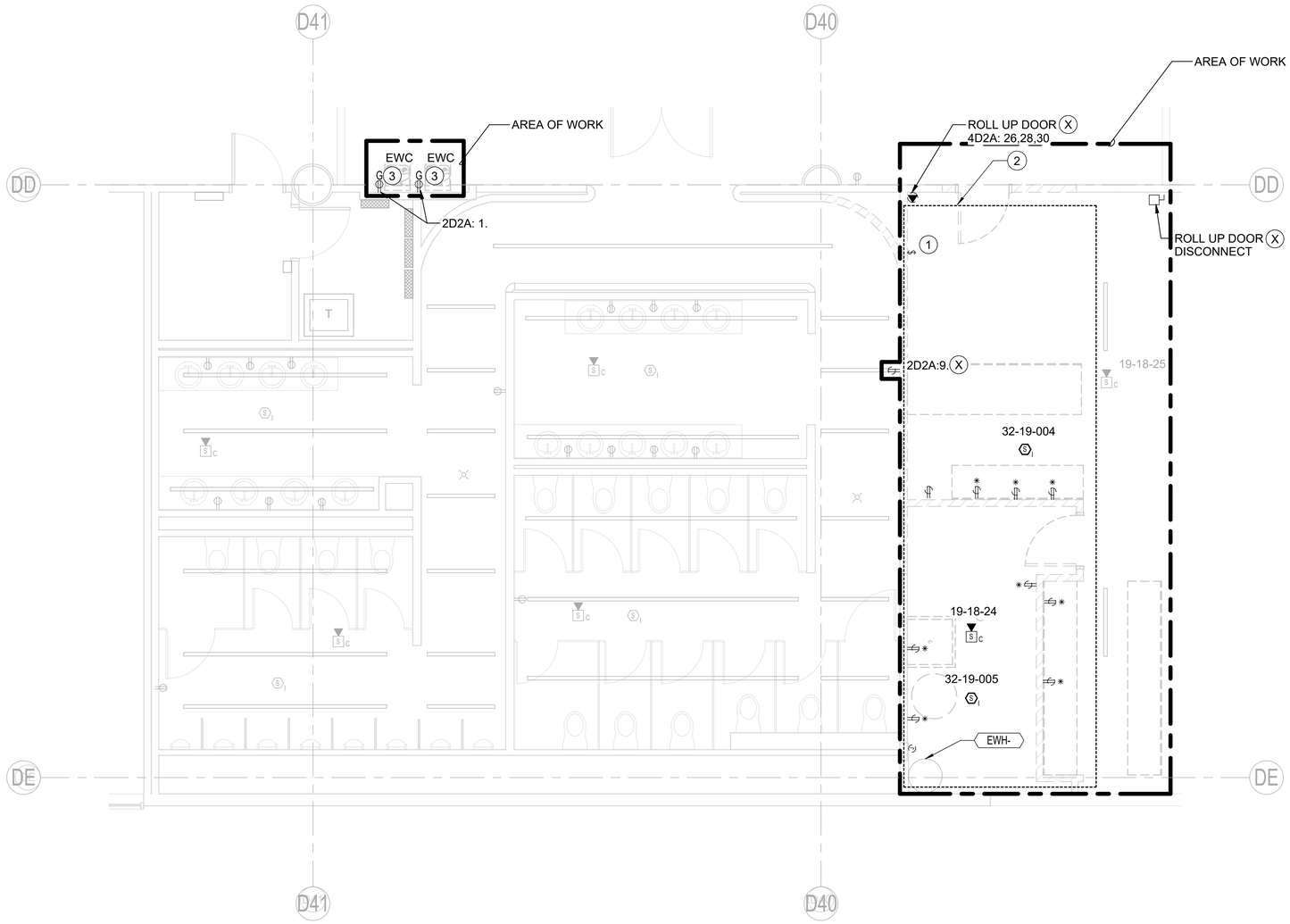
CONCOURSE D - ENPLANING - SECTOR 2 - D2221, D2222, D2223 - DEMO PLAN - ELECTRICAL

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.	E1.01

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.

light gray
dark gray
black

0' 2' 4' 8' 12'
SCALE: IN FEET



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

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.
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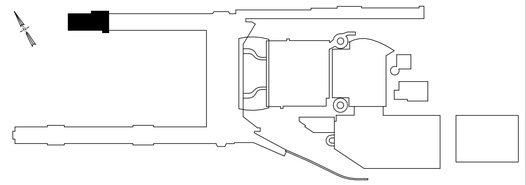
4. MAINTAIN THE INTEGRITY OF ALL BRANCH CIRCUITS, FEEDERS, ENERGIZED EQUIPMENT,ETC THAT ROUTE THROUGH DEMOLITION AREAS AND SERVE EQUIPMENT TO REMAIN.

KEY NOTES (#)

1. DISCONNECT EXISTING SWITCHLEG AND REMOVE SWITCH AND BOX. SEE E2.02 FOR RECONNECTION.
2. 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.
3. DISCONNECT EWC AND DEMOLISH DEVICE. PRESERVE CIRCUIT FOR EXTENSION TO NEW LOCATION SHOWN ON SHEET E3.02.



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

NO.	DATE	BY	REVISIONS	APP

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Portland, OR 97204 pae-engineers.com

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

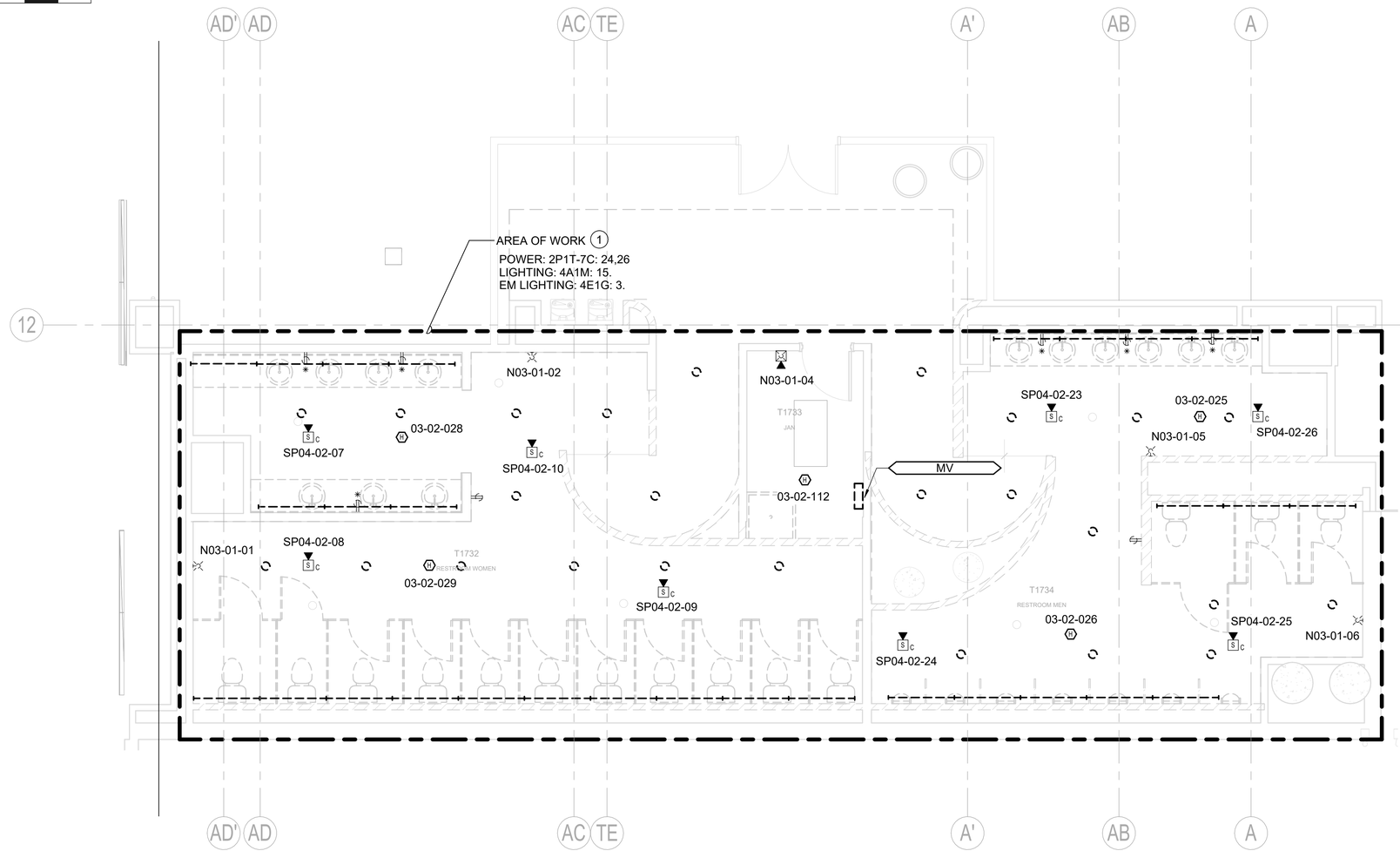
CONCOURSE D - ENPLANING - SECTOR 3 - D2646, D2647 - DEMO PLAN - ELECTRICAL

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. NGUYEN
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

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.

light gray
dark gray
black

0' 2' 4' 8' 12'
SCALE: IN FEET



NOTES

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KEY NOTES

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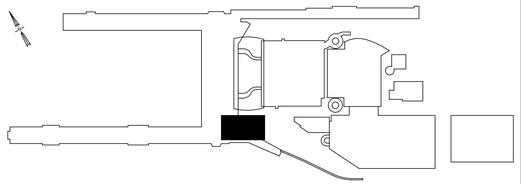

1 TERMINAL - SECTOR E5 - T1732, T1733, T1734 - DEPLANING - DEMO PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

TERMINAL - DEPLANING - SECTOR E5 - T1732, T1733, T1734 - DEPLANING - DEMO PLAN - ELECTRICAL

SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. NGUYEN		
DRAWN BY	A. NGUYEN		
CHECKED BY	J. MUTSCHLER		
DATE	JULY 2026		
SHEET NO.	120	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	E1.03

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

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light gray
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0' 2' 4' 8' 12'

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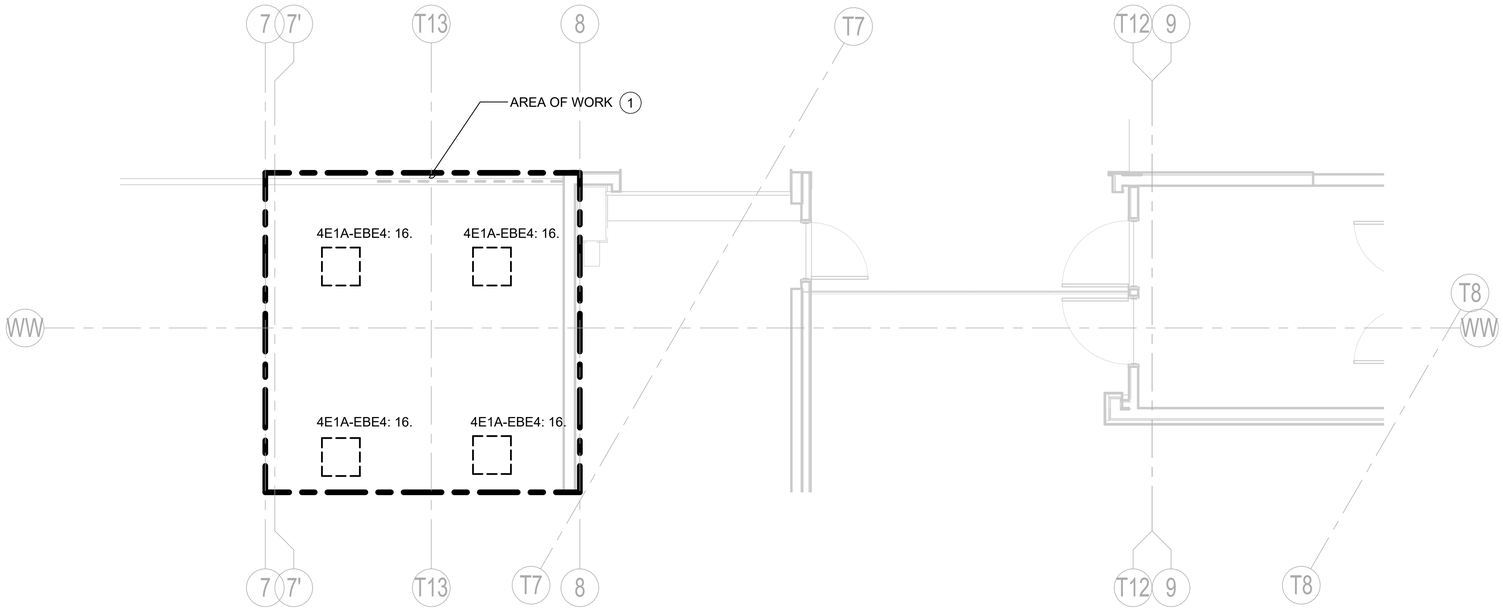

NOTES:

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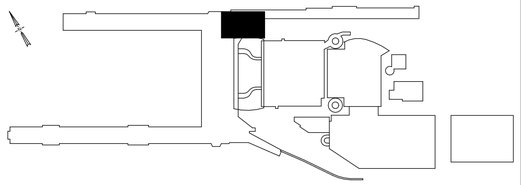
KEY NOTES (#)

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"

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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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

TERMINAL - ENPLANING - SECTOR E1 - T2TS35 - DEMO PLAN - ELECTRICAL

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. NGUYEN
DRAWN BY	A. NGUYEN
CHECKED BY	J. MUTSCHLER
DATE	JULY 2026
SHEET NO.	121 TYPE CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	E1.08

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

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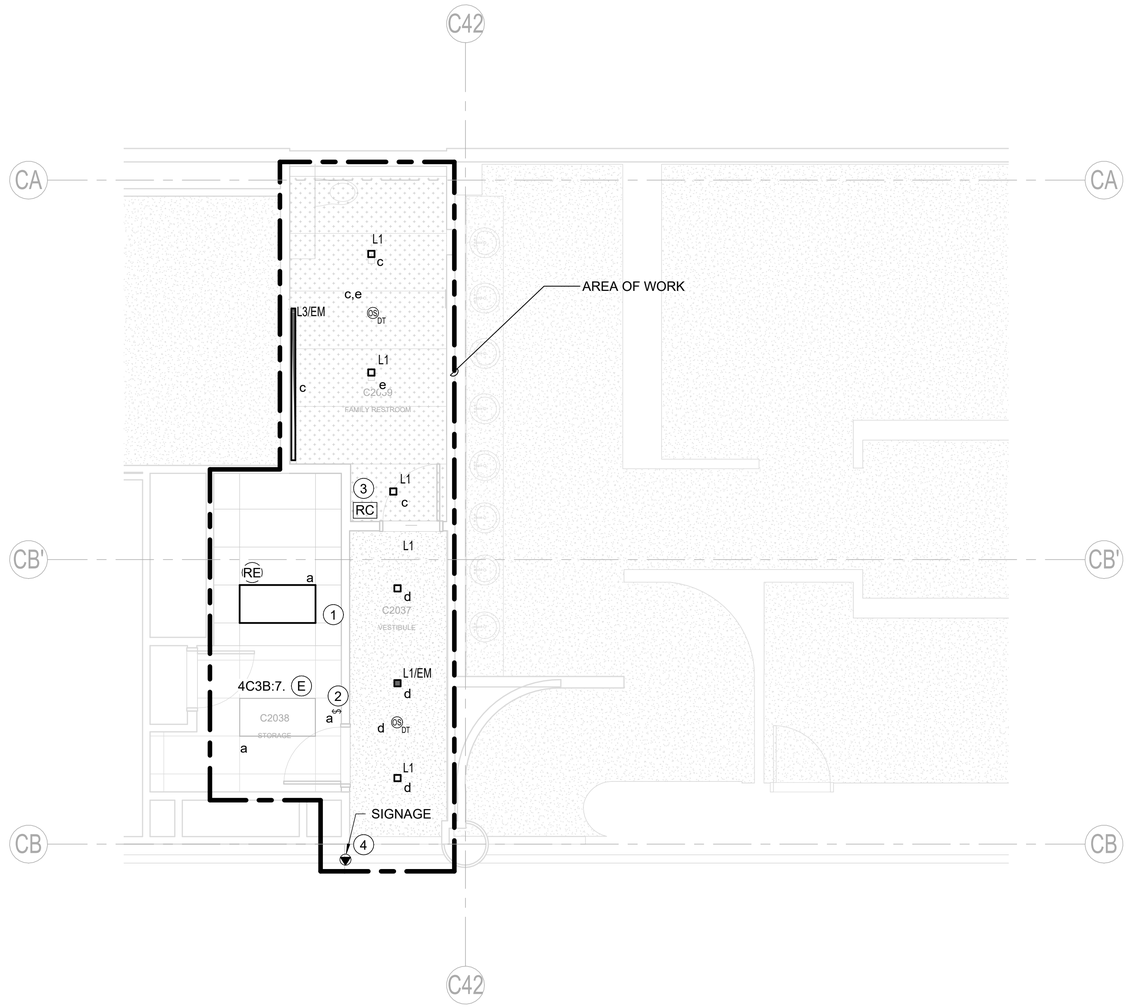


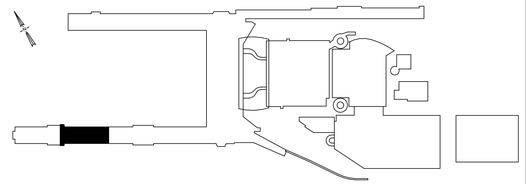
1 CONCOURSE C - SECTOR 5 - C2039 - ENPLANING - RCP - LIGHTING
SCALE: 1/4" = 1'-0"

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 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.

KEY NOTES (#)

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.



NO.	DATE	BY	REVISIONS	APP

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REGISTERED PROFESSIONAL ENGINEER 44775PE OREGON JULY 13, 1995 GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE C - ENPLANING - SECTOR 5 - C2039 - RCP - LIGHTING

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. NGUYEN
DRAWN BY	A. NGUYEN
CHECKED BY	J. MUTSCHLER
DATE	JULY 2026
SHEET NO.	122
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	E2.00

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

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light gray
dark gray
black

0' 2' 4' 8' 12'

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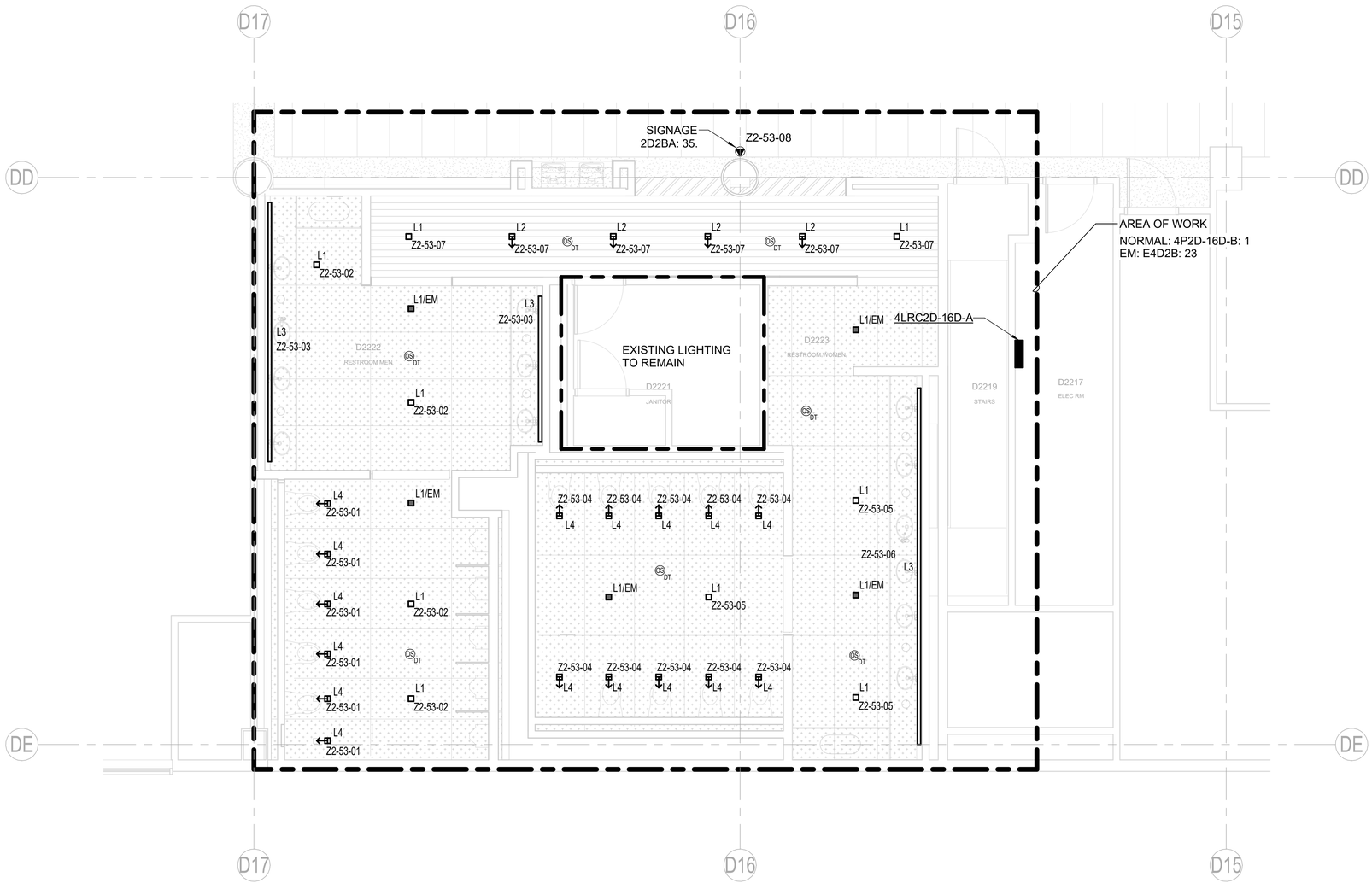
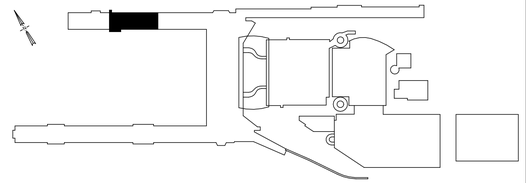


1 CONCOURSE D - SECTOR 2 - D2221, D2222, D2223 - ENPLANING - RCP - LIGHTING
SCALE: 1/4" = 1'-0"



NOTES

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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 .

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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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

CONCOURSE D - ENPLANING - SECTOR 2 - D2221, D2222, D2223 - RCP - LIGHTING

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. NGUYEN
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

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

7/14/2026 12:09:43 PM Autodesk Docs://PDX CCD West and South Bag Claim Restroom Rehabilitation/25-2116 PDX Restroom SARA Upgrade MEP25.rvt

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

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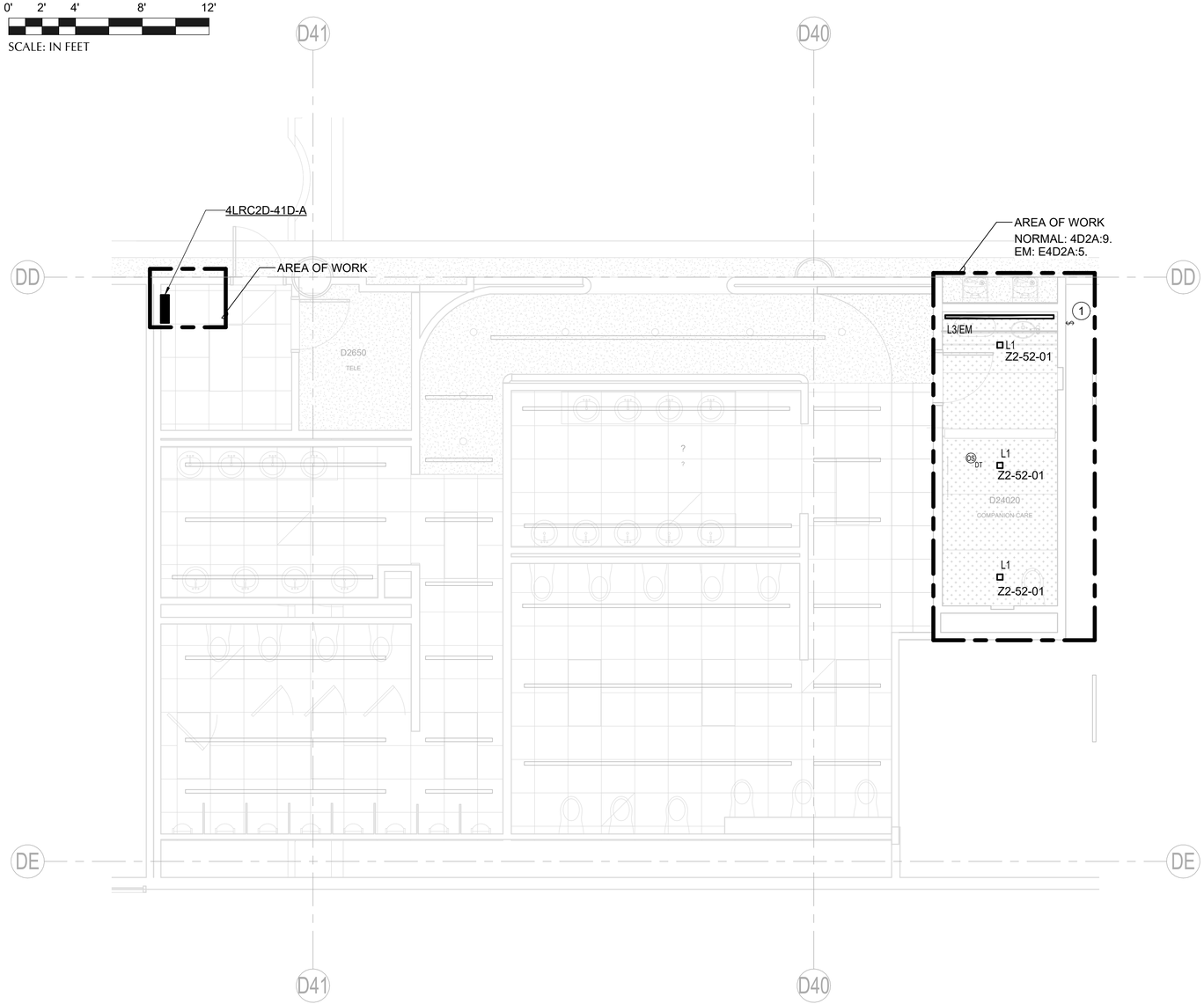
light gray
dark gray
black

0' 2' 4' 8' 12'
SCALE: IN FEET



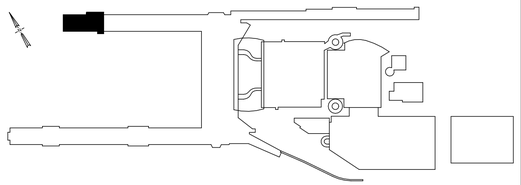
NOTES

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

1 CONCOURSE D - SECTOR 3 - D24020 - ENPLANING - RCP - LIGHTING
SCALE: 1/4" = 1'-0"



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

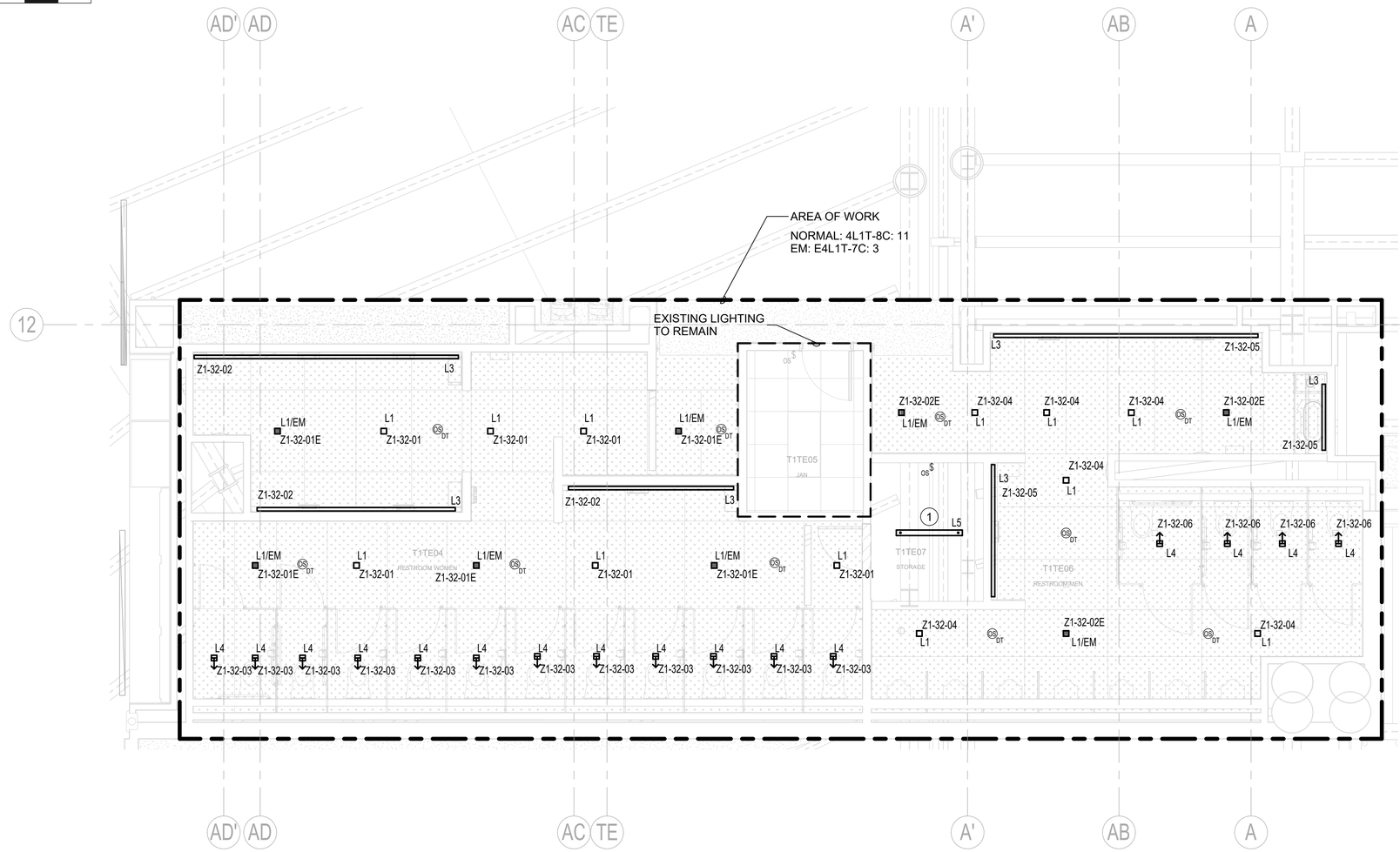
PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
CONCOURSE D - ENPLANING - SECTOR 3 - D24020 - RCP - LIGHTING

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. NGUYEN
DRAWN BY	A. NGUYEN
CHECKED BY	J. MUTSCHLER
DATE	JULY 2026
SHEET NO.	124
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	E2.02

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.

light gray
dark gray
black

0' 2' 4' 8' 12'
SCALE: IN FEET



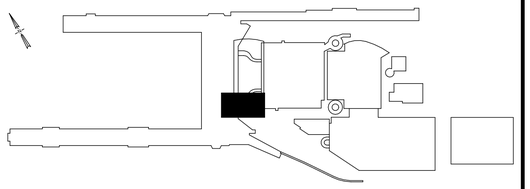
NOTES

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 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"



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

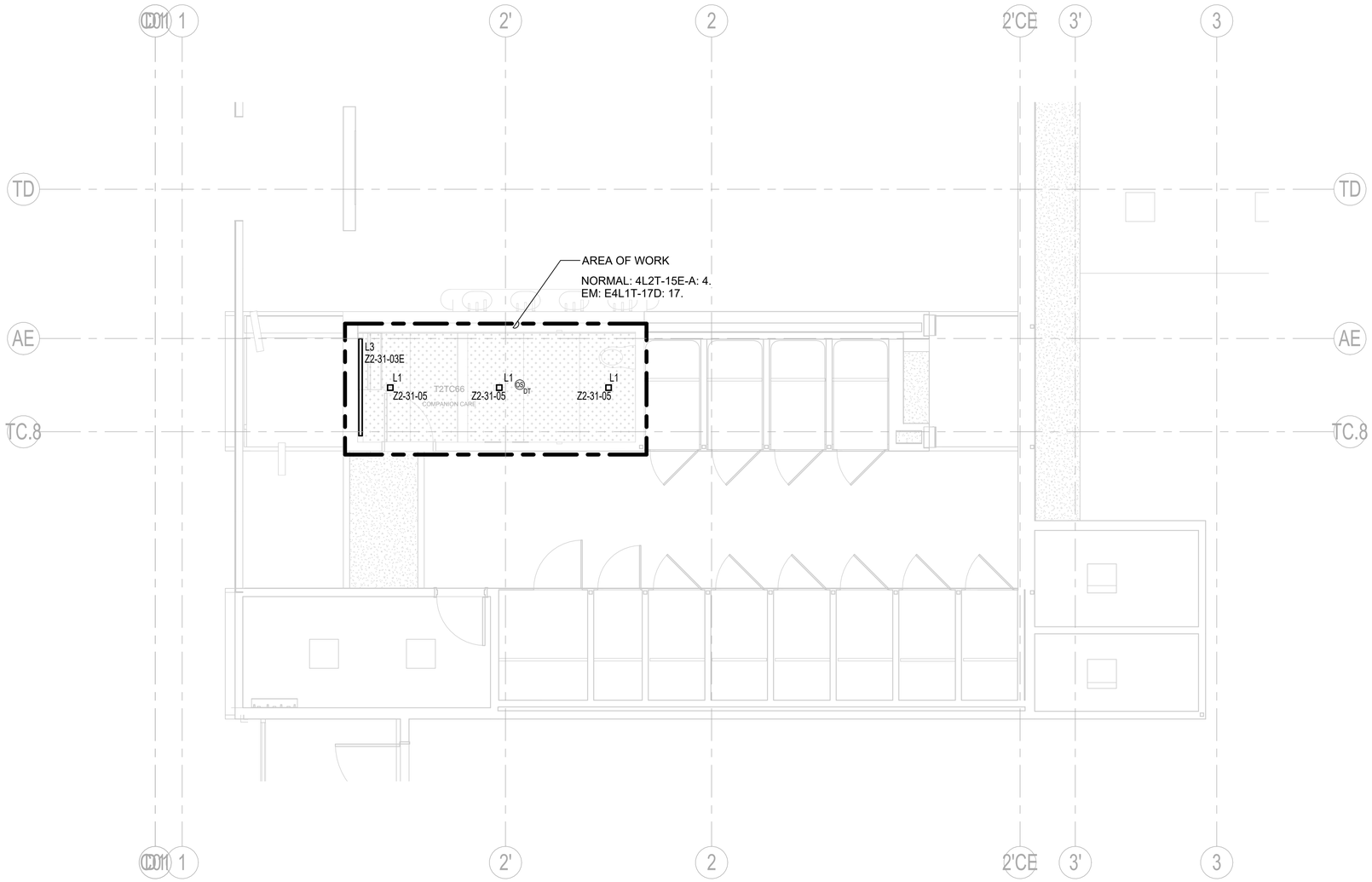
TERMINAL - DEPLANING - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - RCP - LIGHTING

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.	PDX 2026-510	DISC. SHT. NO.	E2.03

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.

light gray
dark gray
black

0' 2' 4' 8' 12'
SCALE: IN FEET



NOTES

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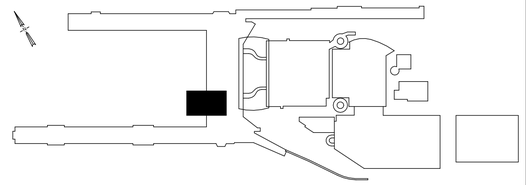
2. DOWNLIGHTS TO BE CENTERED IN THE ARCHITECTURAL PANEL.
3. L3 LIGHTS TO BE SUSPENDED FROM STRUCTURE AND CENTERED IN ARCHITECTURAL COVE.
4. LIGHT FIXTURES ARE TO BE HOMERUN TO VIA LIGHTING RELAY PANEL 4LDC2T-15Q-A. REFER TO LIGHTING CONTROL SCHEDULE SHEET E7.05 FOR CIRCUITING INFORMATION.
5. ROUTE 0-10V 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"



NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
TERMINAL - ENPLANING - SECTOR W5 - T2TC66 - RCP - LIGHTING

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. NGUYEN
DRAWN BY	A. NGUYEN
CHECKED BY	J. MUTSCHLER
DATE	JULY 2026
SHEET NO.	126
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	E2.04

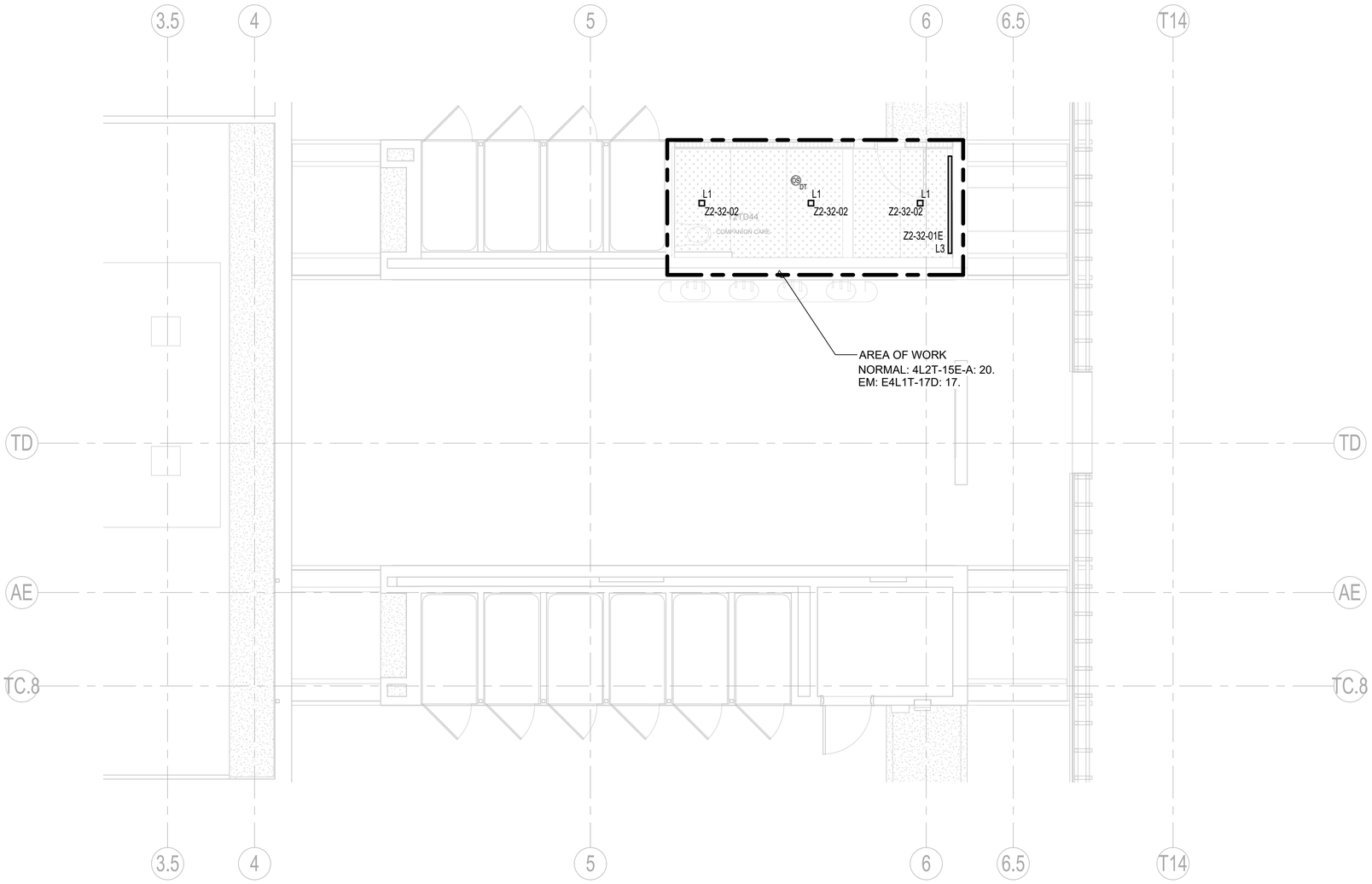
DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".
GRAPHIC SCALE-FOR REFERENCE ONLY
0 1/4" 1/2" 1" 2"

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.

light gray
dark gray
black

0' 2' 4' 8' 12'

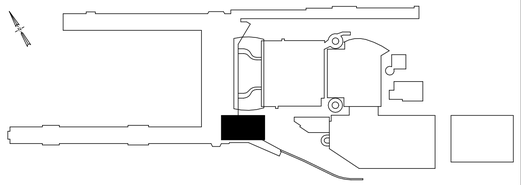
SCALE: IN FEET



1 TERMINAL - SECTOR E5 - T2TD44 - ENPLANING - RCP - LIGHTING
SCALE: 1/4" = 1'-0"

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 .



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NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
TERMINAL - ENPLANING - SECTOR E5 - T2TD44 - RCP - LIGHTING

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. NGUYEN
DRAWN BY	A. NGUYEN
CHECKED BY	J. MUTSCHLER
DATE	JULY 2026
SHEET NO.	127 TYPE CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	E2.05

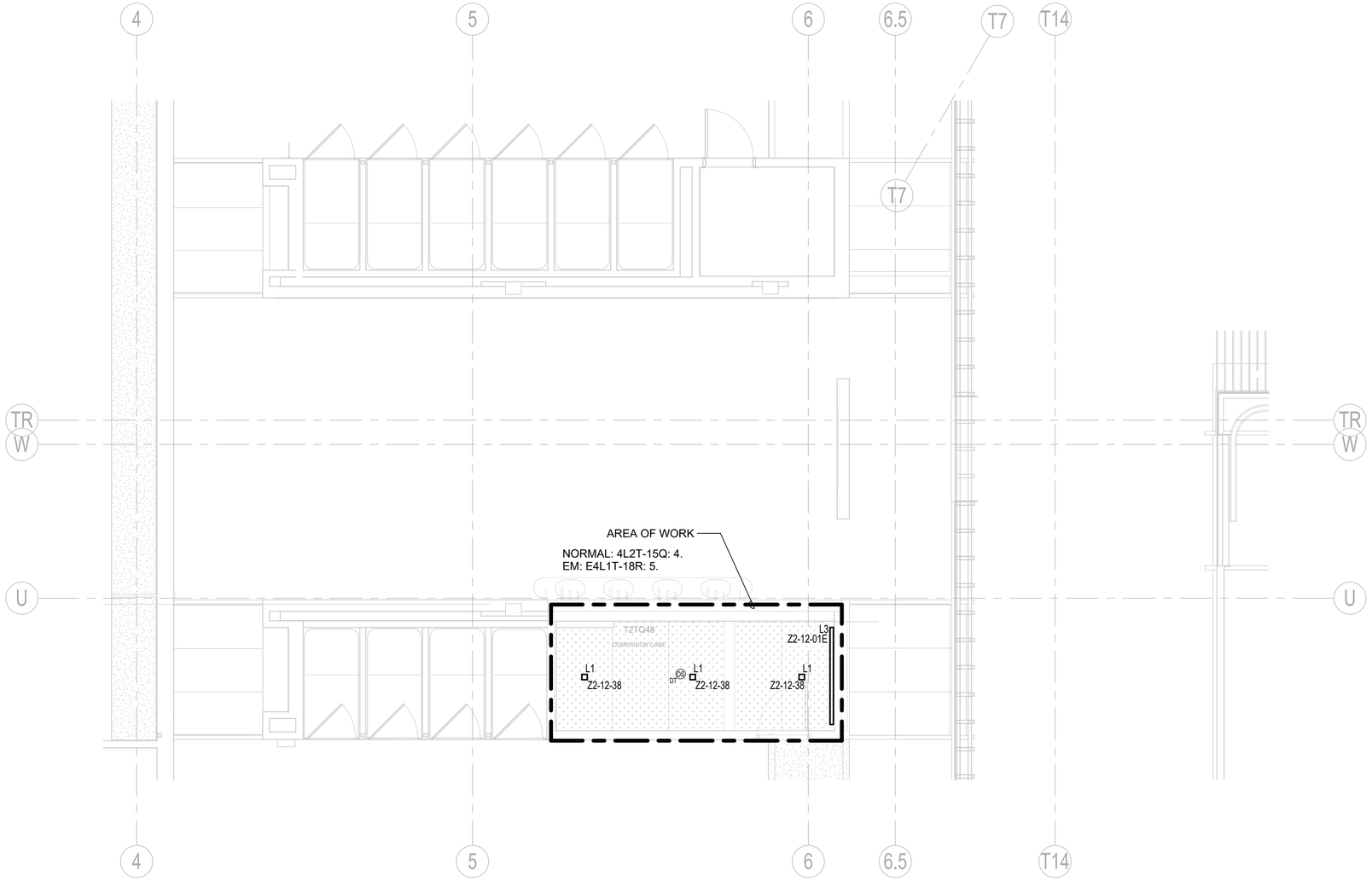
DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".
GRAPHIC SCALE-FOR REFERENCE ONLY
0 1/4" 1/2" 1" 2"

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.

light gray
dark gray
black

0' 2' 4' 8' 12'

SCALE: IN FEET



NOTES

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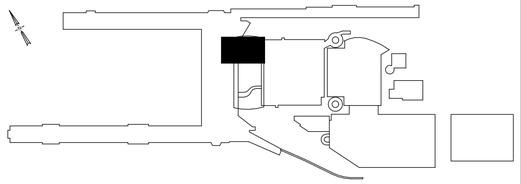
3. L3 LIGHTS TO BE SUSPENDED FROM STRUCTURE AND CENTERED IN ARCHITECTURAL COVE
4. LIGHT FIXTURES ARE TO BE HOMERUN TO VIA LIGHTING RELAY PANEL 4LDC2T-15Q-A. REFER TO LIGHTING CONTROL SCHEDULE SHEET E7.06 FOR CIRCUITING INFORMATION.
5. ROUTE 0-10V DIMMING CONDUCTORS FROM LRC TO RESTROOM LIGHTS SHOWN IN LIGHTING CONTROL SCHEDULE FOR DIMMING CONTROL.



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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Portland, OR 97204
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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

TERMINAL - ENPLANING - SECTOR E2 - T2TQ48 - RCP - LIGHTING

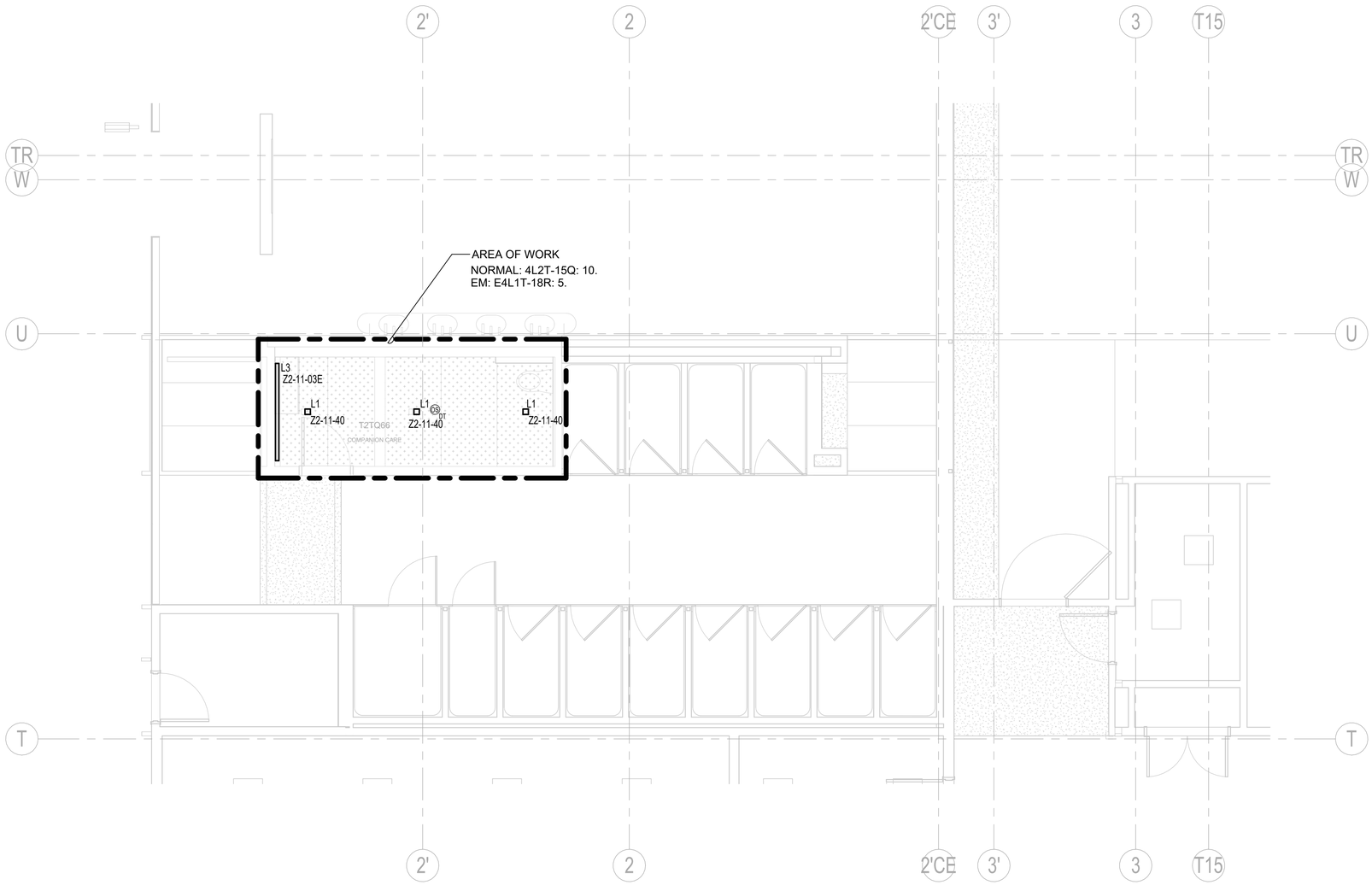
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. NGUYEN
DRAWN BY	A. NGUYEN
CHECKED BY	J. MUTSCHLER
DATE	JULY 2026
SHEET NO.	128 TYPE CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	E2.06

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.

light gray
dark gray
black

0' 2' 4' 8' 12'
SCALE: IN FEET



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

NOTES

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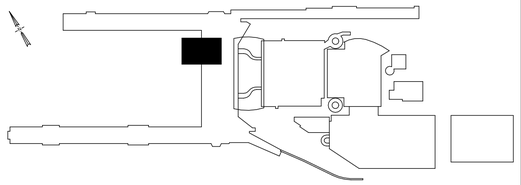
2. DOWNLIGHTS TO BE CENTERED IN THE ARCHITECTURAL PANEL.
3. L3 LIGHTS TO BE SUSPENDED FROM STRUCTURE AND CENTERED IN ARCHITECTURAL COVE.
4. LIGHT FIXTURES ARE TO BE HOMERUN TO VIA LIGHTING RELAY PANEL 4LDC2T-15Q-A. REFER TO LIGHTING CONTROL SCHEDULE SHEET E7.06 FOR CIRCUITING INFORMATION.
5. ROUTE 0-10V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



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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Portland, OR 97204 pae-engineers.com

2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
TERMINAL - ENPLANING - SECTOR W - T2TQ66 - RCP - LIGHTING

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. NGUYEN
DRAWN BY	A. NGUYEN
CHECKED BY	J. MUTSCHLER
DATE	JULY 2026
SHEET NO.	129 TYPE CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	E2.07

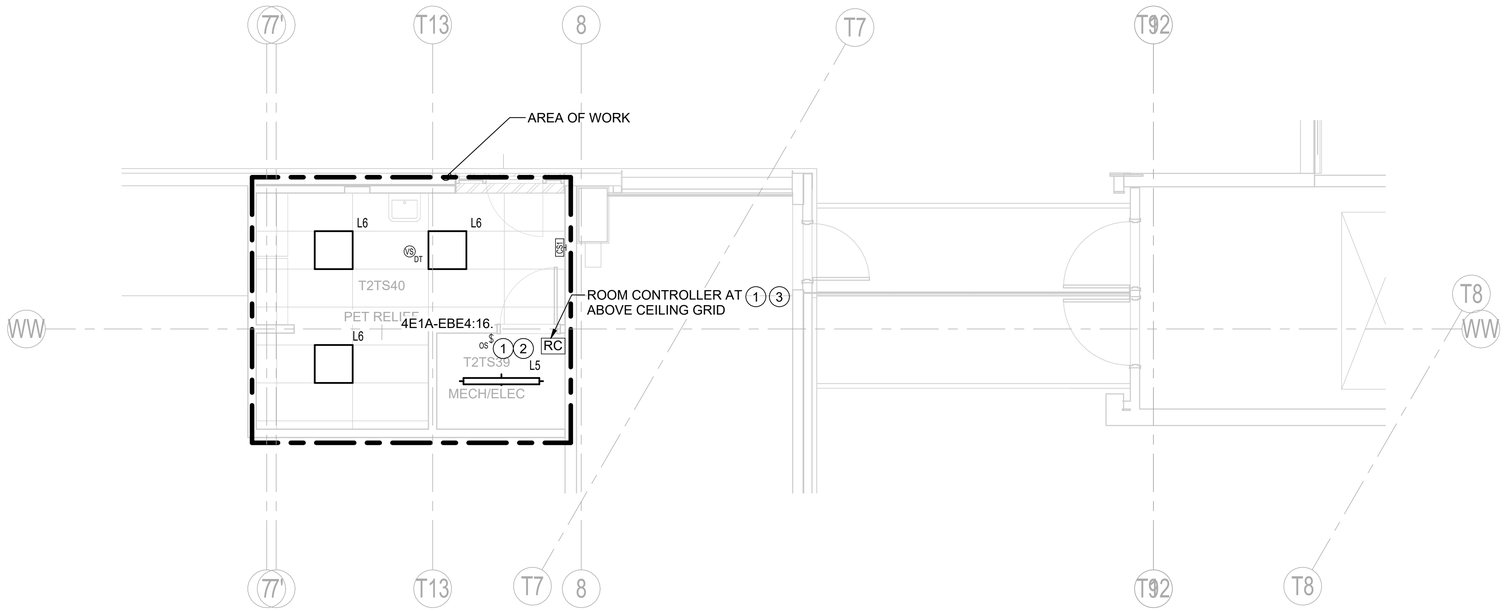
light gray
dark gray
black

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.

N

0' 2' 4' 8' 12'

SCALE: IN FEET



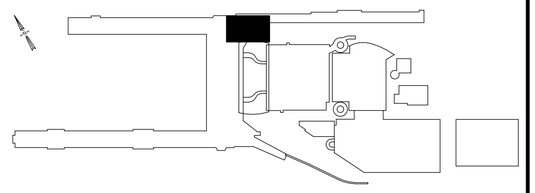
1 TERMINAL - SECTOR E1 - T2TS40 - ENPLANING - RCP - LIGHTING
SCALE: 1/4" = 1'-0"

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 CIRCUITED TO PANEL 4E1A-EBE4 CIRCUIT 16 (UNSWITCH CIRCUIT) VIA ROOM CONTROLLER SHOWN FOR NORMAL POWER UNLESS OTHERWISE NOTED.

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.



NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

TERMINAL - ENPLANING - SECTOR E1 - T2TS40 - RCP - LIGHTING

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. NGUYEN
DRAWN BY	A. NGUYEN
CHECKED BY	J. MUTSCHLER
DATE	JULY 2026
SHEET NO.	130
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	E2.08

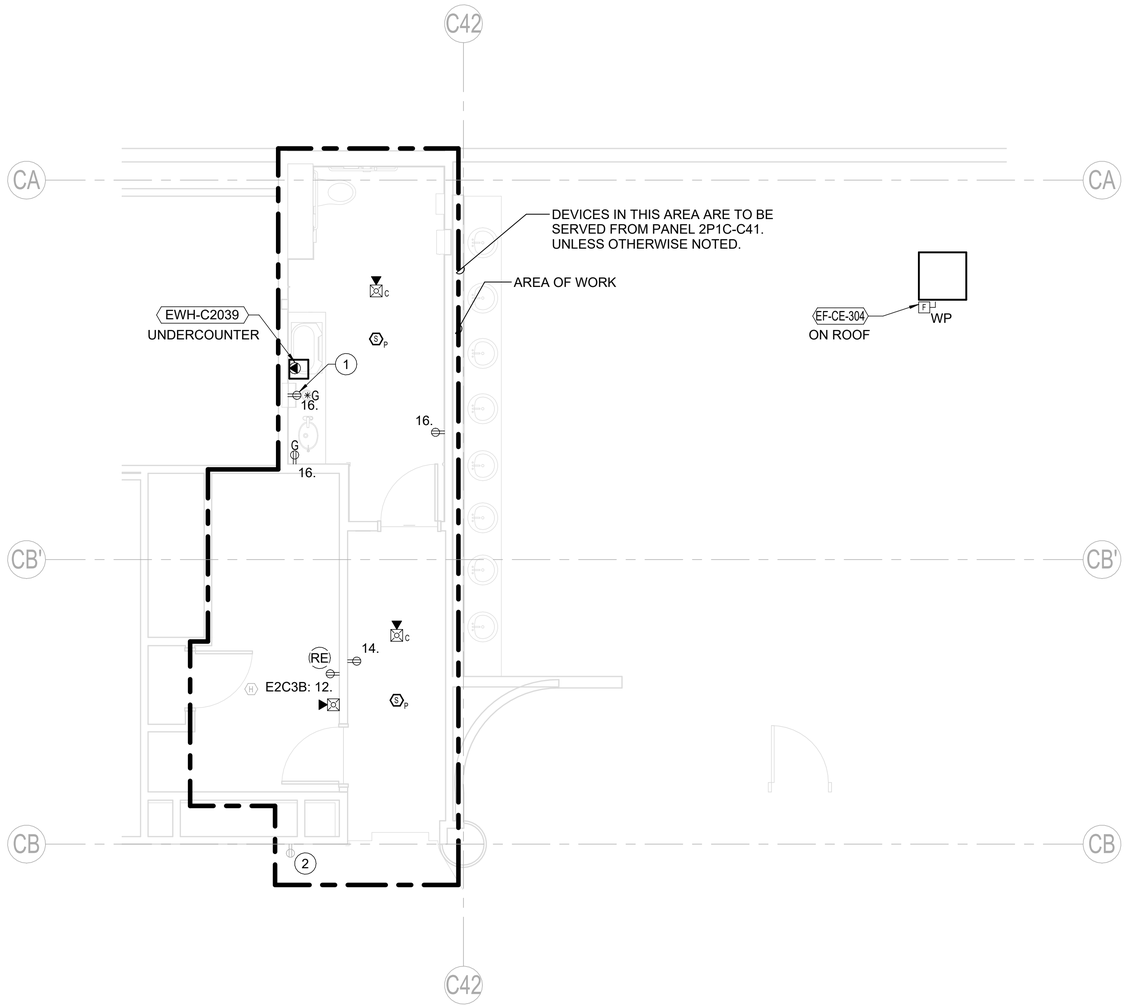
DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17". 0 1" 2" GRAPHIC SCALE FOR REFERENCE ONLY

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.

light gray | dark gray | black

0' 2' 4' 8' 12'

SCALE: IN FEET



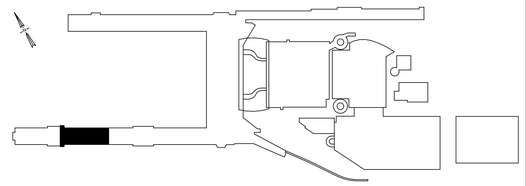
1 CONCOURSE C - SECTOR 5 - C2039 - ENPLANING - FLOOR PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"

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 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.



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

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OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE C - ENPLANING - SECTOR 5 - C2039 - FLOOR PLAN - ELECTRICAL

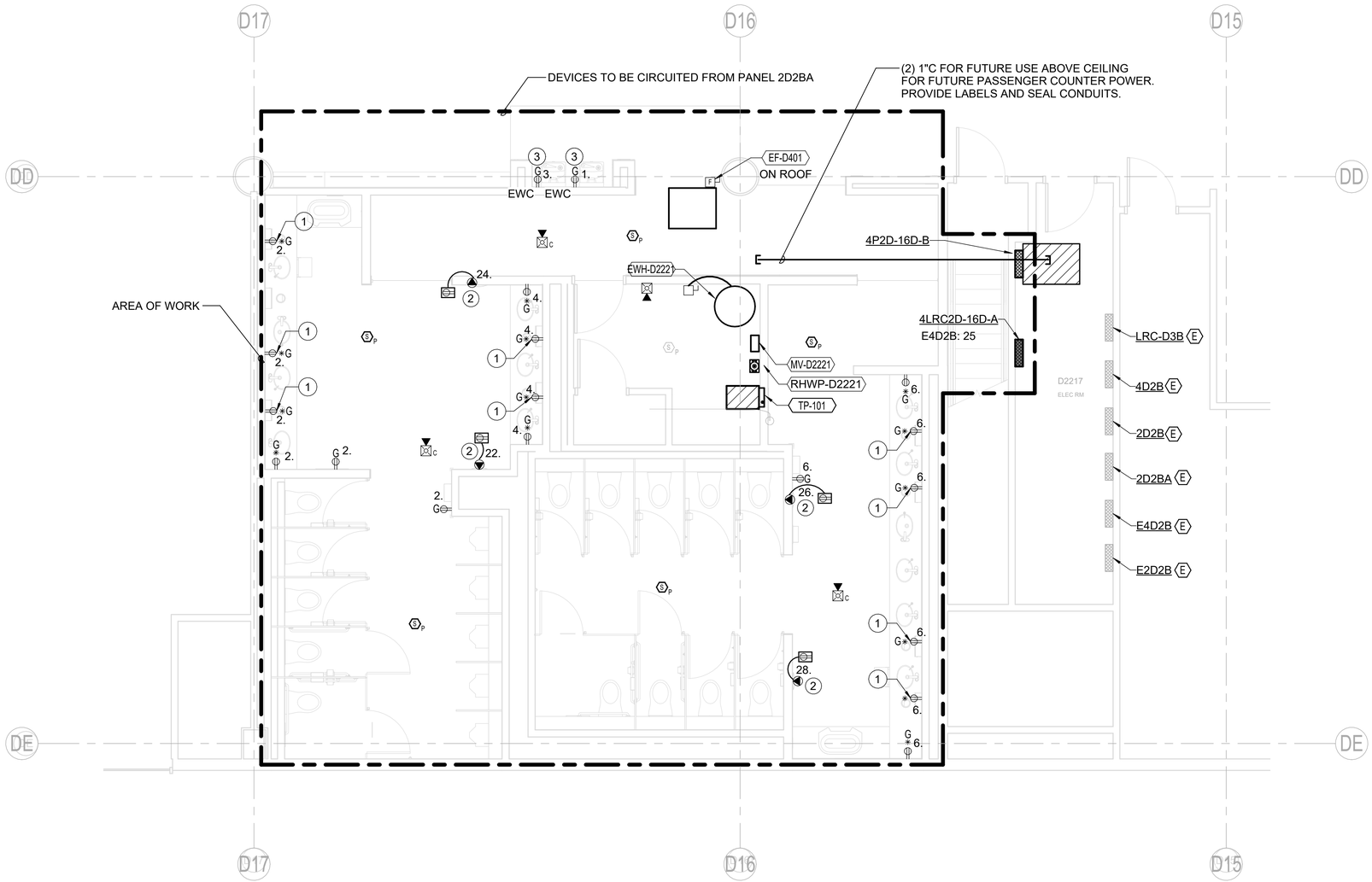
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. NGUYEN
DRAWN BY	A. NGUYEN
CHECKED BY	J. MUTSCHLER
DATE	JULY 2026
SHEET NO.	131 TYPE CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	E3.00

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.

light gray
dark gray
black

0' 2' 4' 8' 12'

SCALE: IN FEET



NOTES

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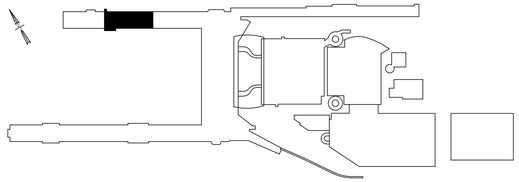
KEY NOTES (#)

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. 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. REPULL CONDUCTORS AS REQUIRED TO AVOID BLANK COVER JUNCTION BOX AT POINT OF EXTENSION.



1 CONCOURSE D - SECTOR 2 - D2221, D2222, D2223 - ENPLANING - 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" 2"
GRAPHIC SCALE-FOR REFERENCE ONLY

NO.	DATE	BY	REVISIONS	APP

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mwa architects

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

REGISTERED PROFESSIONAL ENGINEER 44775PE OREGON JULY 13, 1999 GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE D - ENPLANING - SECTOR 2 - D2221, D2222, D2223 - FLOOR PLAN - ELECTRICAL

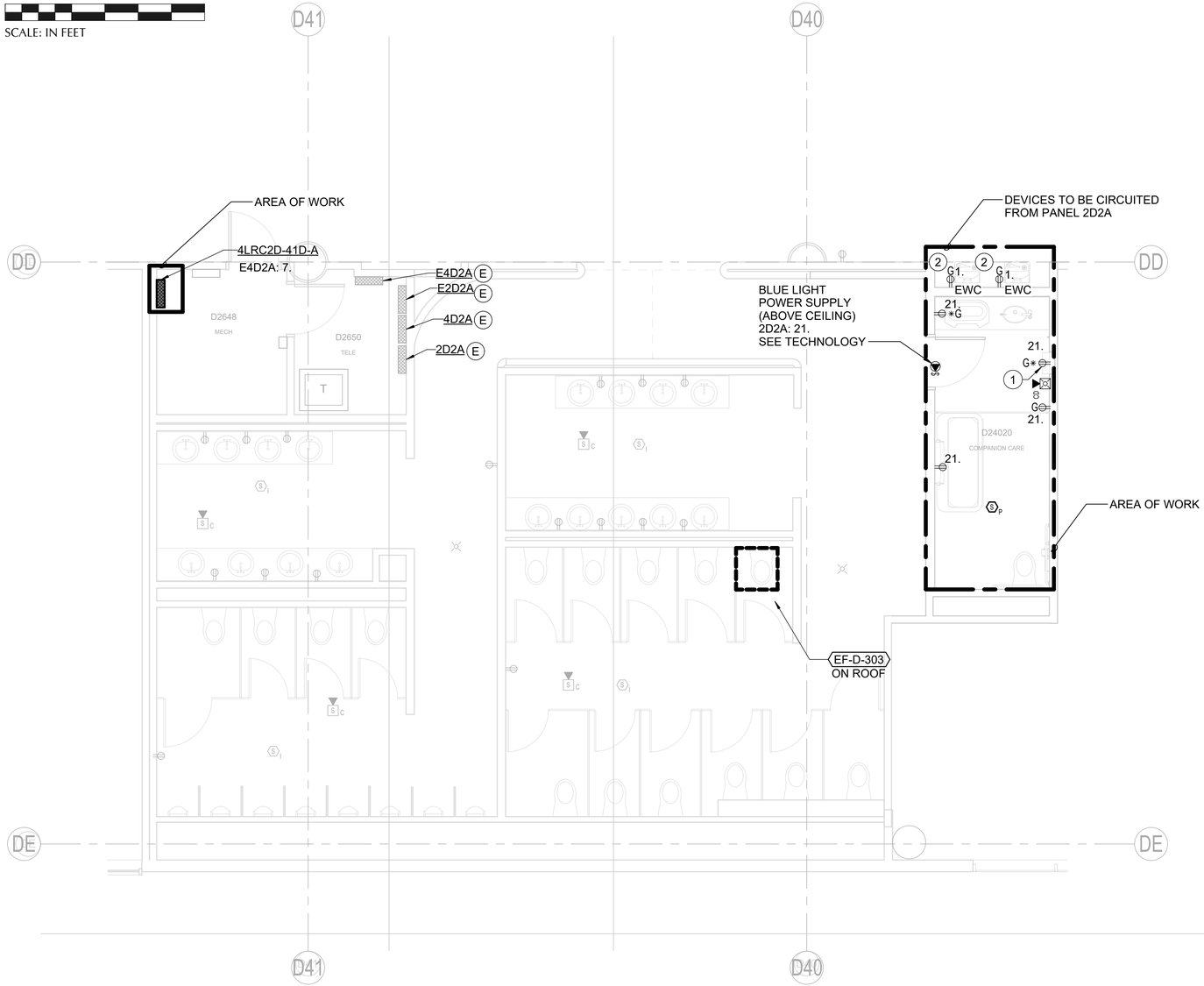
SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. NGUYEN		
DRAWN BY	A. NGUYEN		
CHECKED BY	J. MUTSCHLER		
DATE	JULY 2026		
SHEET NO.	132	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	E3.01

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.

light gray | dark gray | black

0' 2' 4' 8' 12'

SCALE: IN FEET



1 CONCOURSE D - SECTOR 3 - D24020 - ENPLANING - FLOOR PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"

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KEY NOTES (#)

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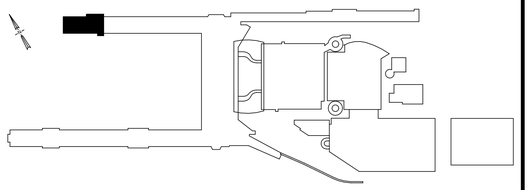

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0 1/4" 1/2" 1" 2"
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NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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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

CONCOURSE D - ENPLANING - SECTOR 3 - D24020 - FLOOR PLAN - ELECTRICAL

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.	PDX 2026-510	DISC. SHT. NO.	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.

light gray
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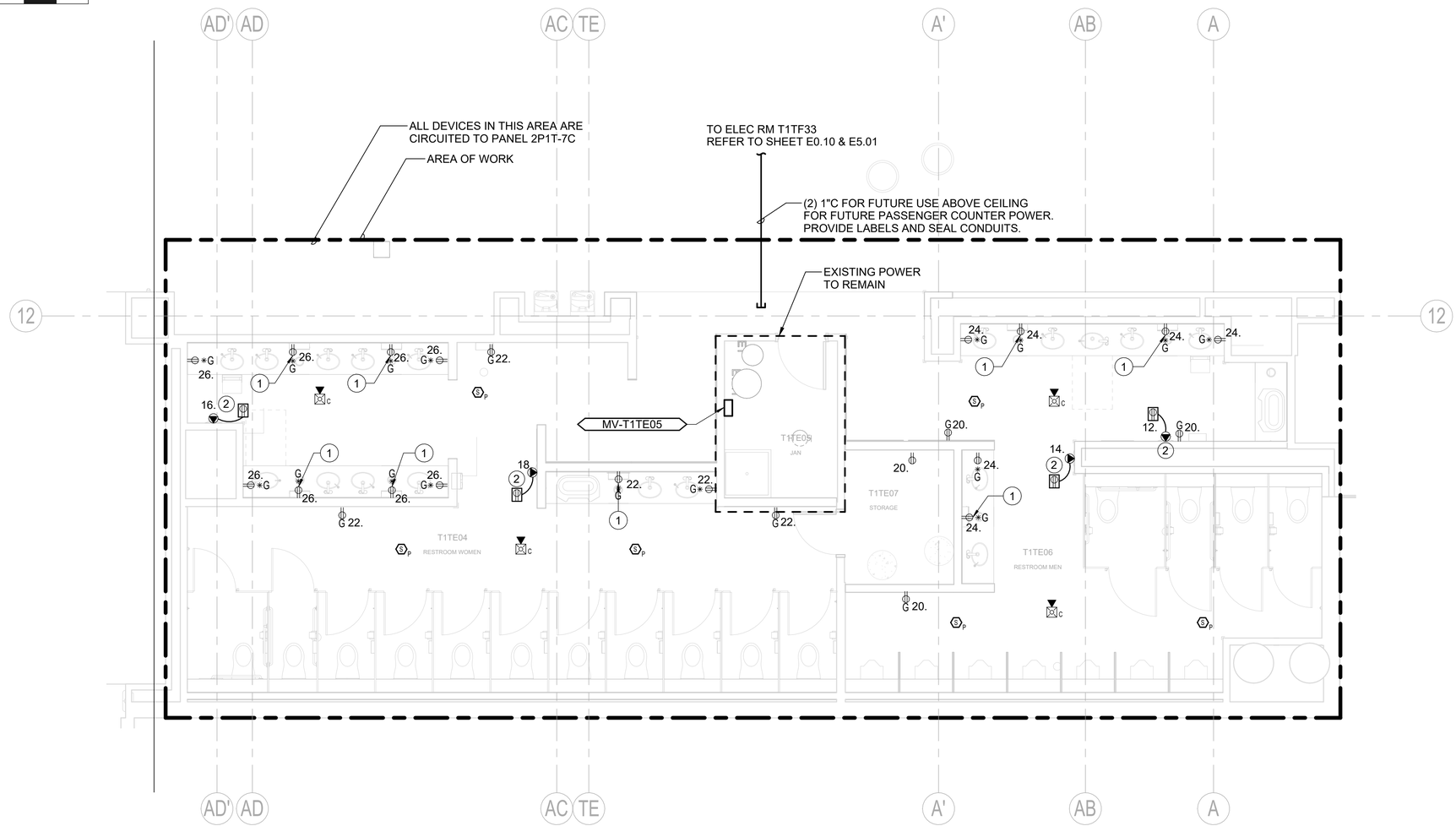

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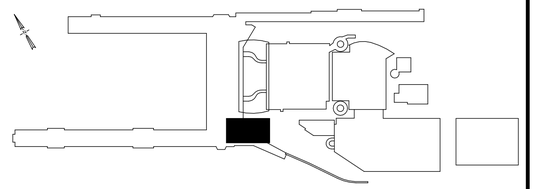

1 TERMINAL - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - DEPLANING - FLOOR PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"

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NO.	DATE	BY	REVISIONS	APP

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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

TERMINAL - DEPLANING - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - FLOOR PLAN - ELECTRICAL

SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. NGUYEN		
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

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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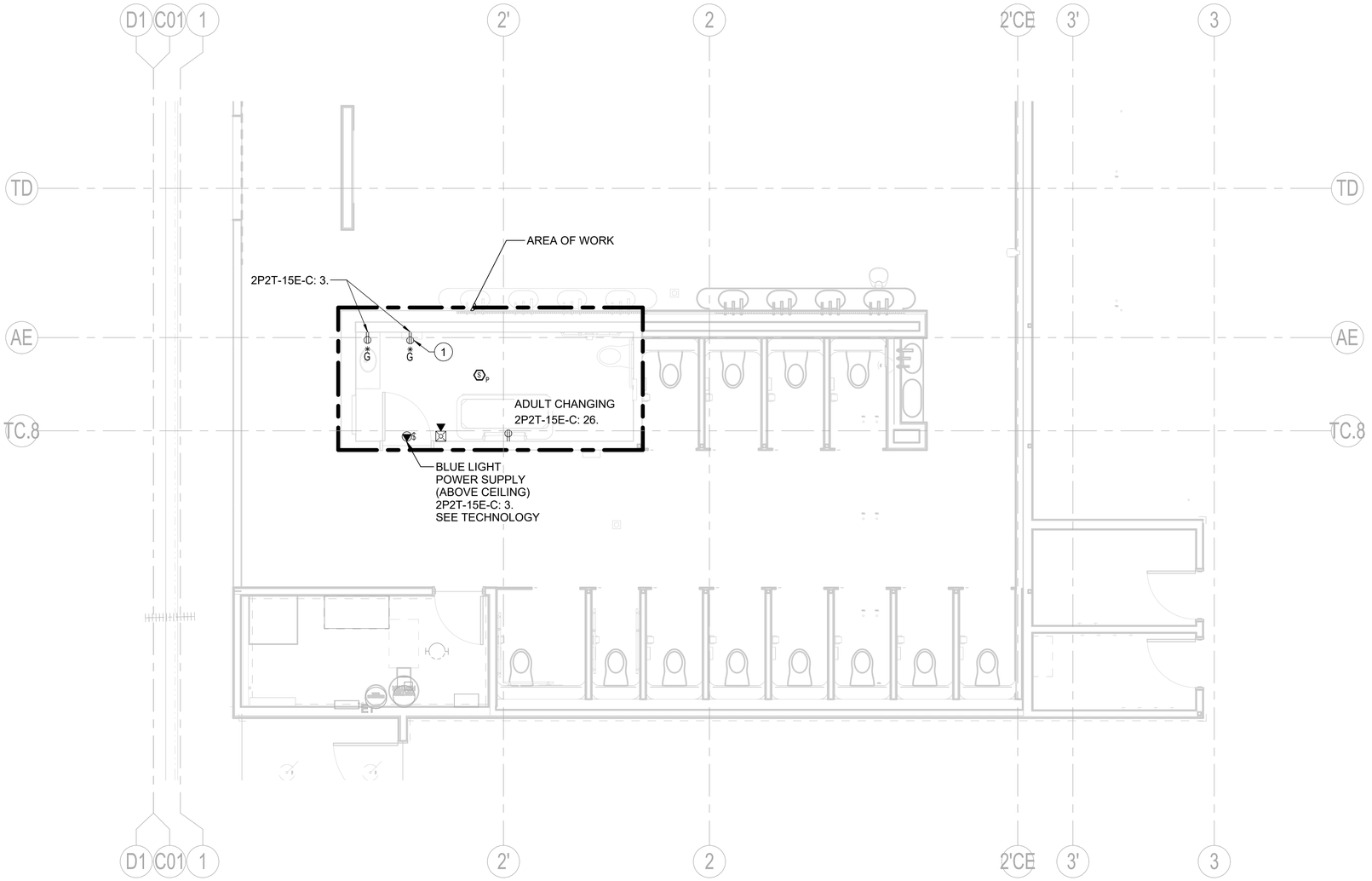

1 TERMINAL - SECTOR W5 - T2TC66 - ENPLANING - FLOOR PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"

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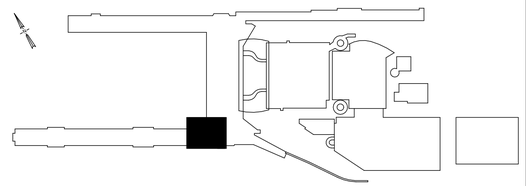

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GRAPHIC SCALE-FOR REFERENCE ONLY
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NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
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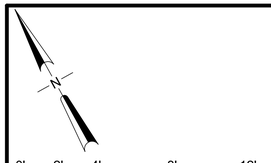
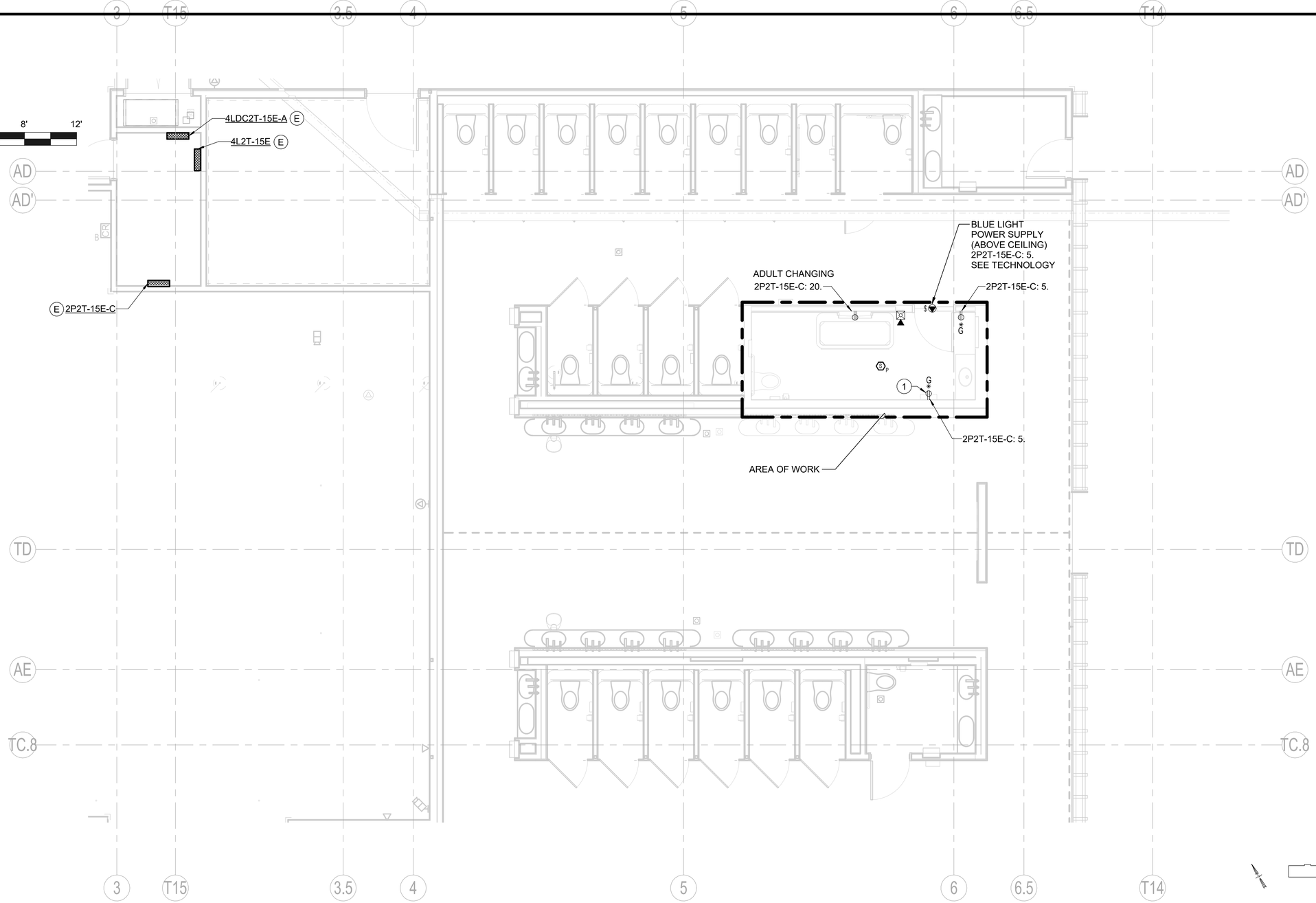
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
TERMINAL - ENPLANING - SECTOR W5 - T2TC66 - FLOOR PLAN - ELECTRICAL

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. NGUYEN
DRAWN BY	A. NGUYEN
CHECKED BY	J. MUTSCHLER
DATE	JULY 2026
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.





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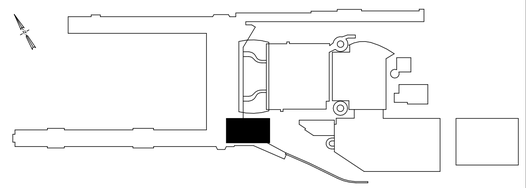

1 TERMINAL - SECTOR E5 - T2TD44 - ENPLANING - FLOOR PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
EXPIRES: 12/31/2026
7/14/26

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
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	E3.05

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

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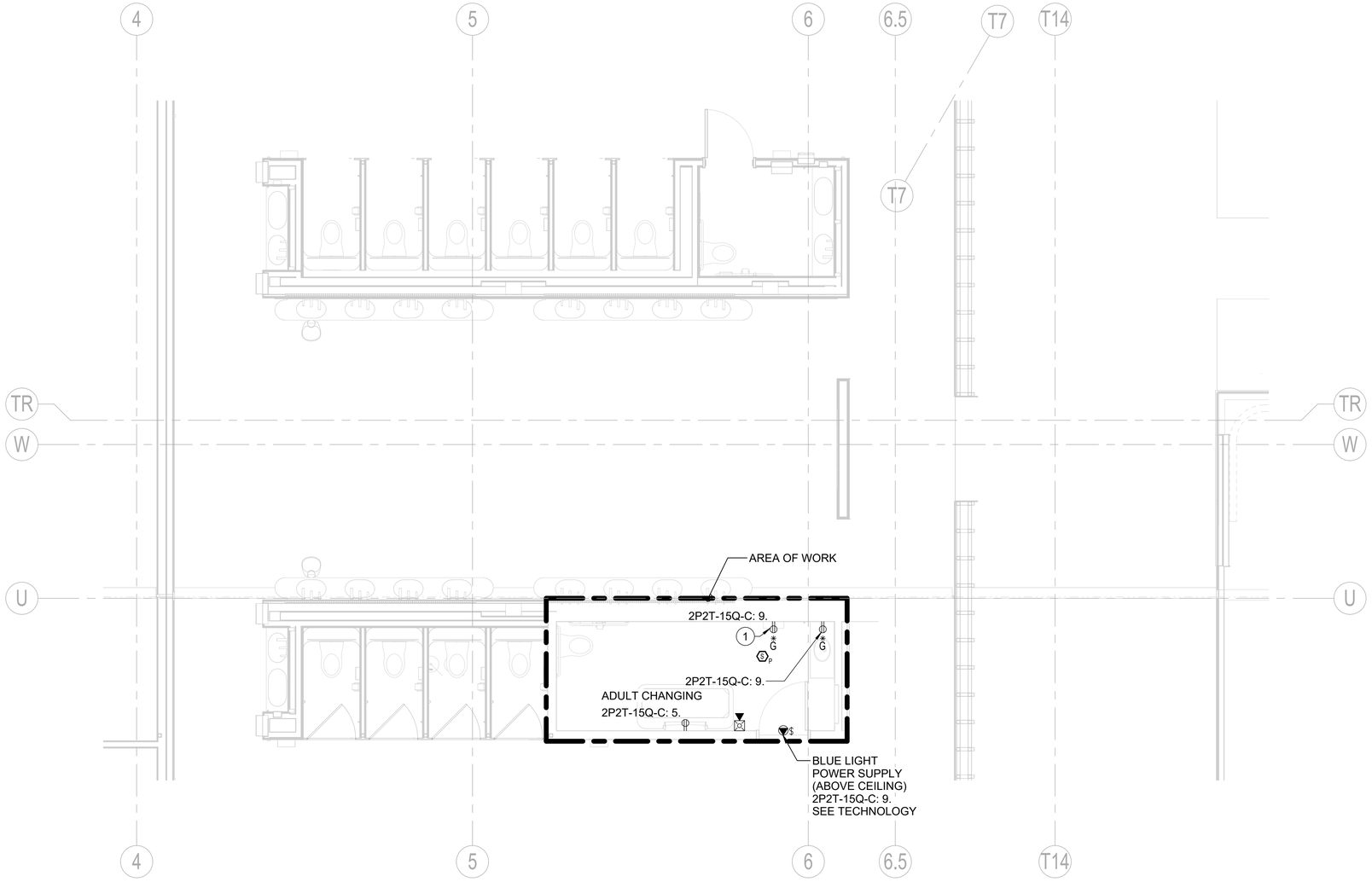

1 TERMINAL - SECTOR E2 - T2TQ48 - ENPLANING - FLOOR PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"

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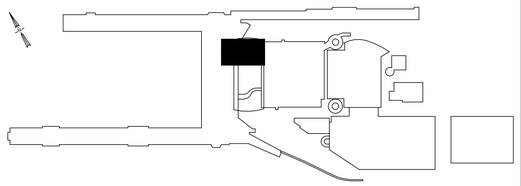

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2025D031 DESIGN NUMBER

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REGISTERED PROFESSIONAL ENGINEER
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OREGON
JULY 13, 1995
GRANT R. PARTHEMER
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
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	E3.06

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

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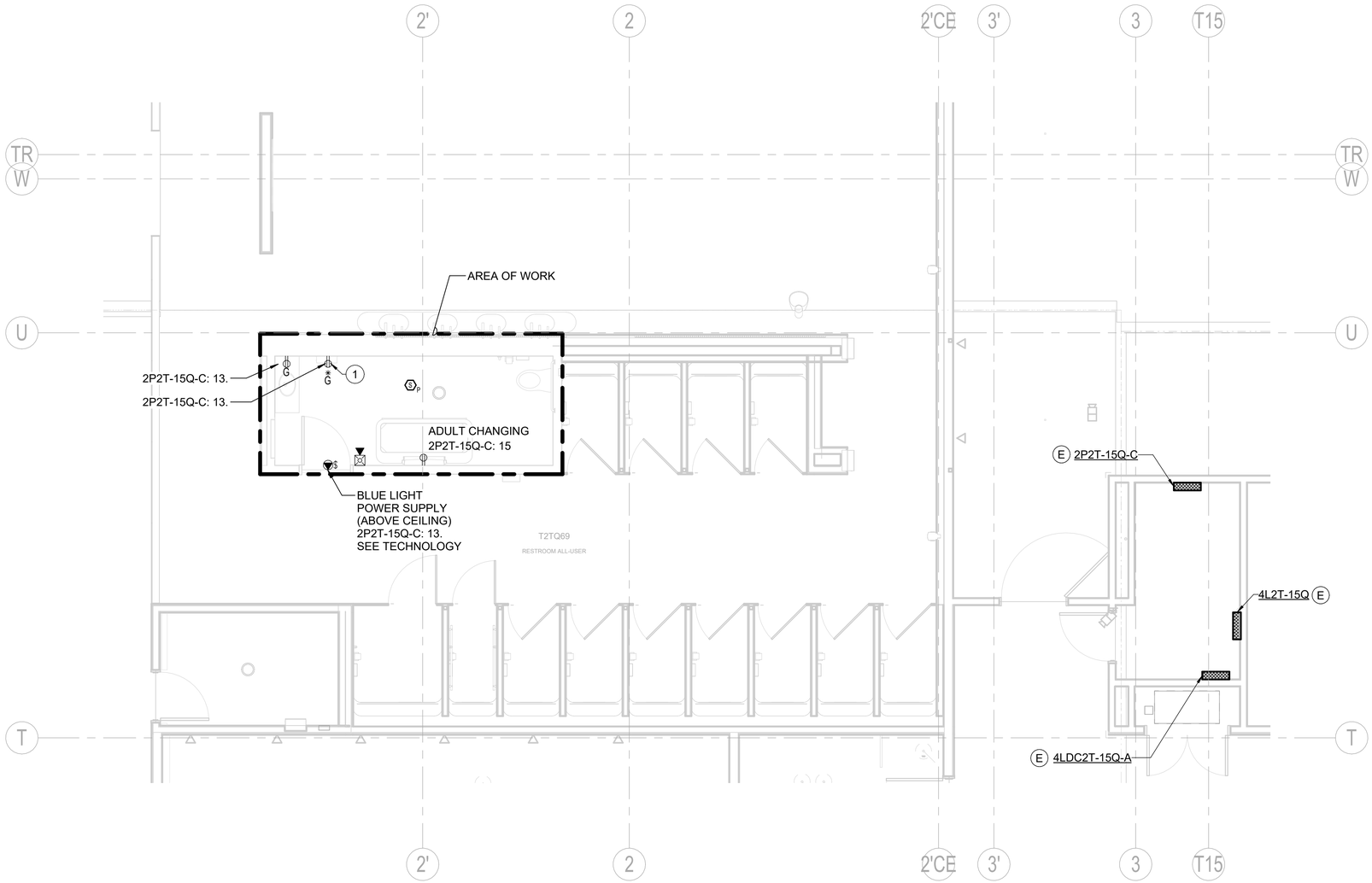

1 TERMINAL - SECTOR W - T2TQ66 - ENPLANING - FLOOR PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"

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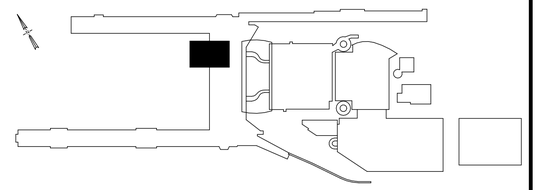

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NO.	DATE	BY	REVISIONS	APP

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Portland, OR 97204 pae-engineers.com

2025D031 DESIGN NUMBER
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REGISTERED PROFESSIONAL ENGINEER
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OREGON
JULY 13, 1995
GRANT R. PARTHEMER
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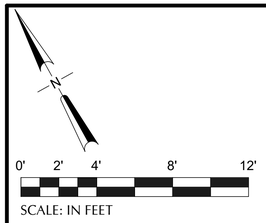
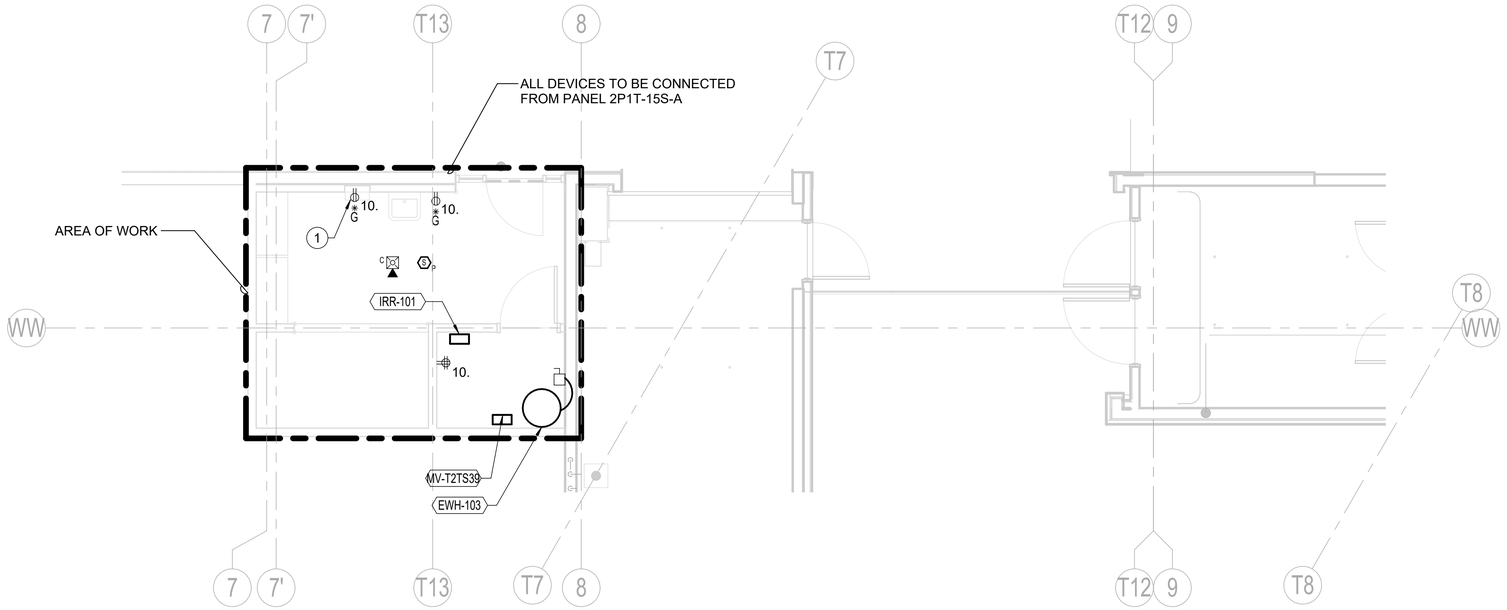
PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
TERMINAL - ENPLANING - SECTOR W - T2TQ66 - FLOOR PLAN - ELECTRICAL

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.	E3.07

light gray
dark gray
black

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.





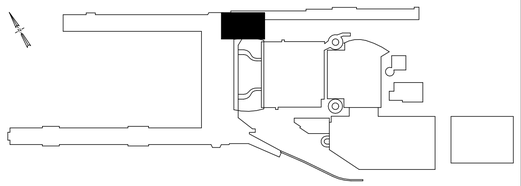
1 TERMINAL - SECTOR E1 - T2TS40 - ENPLANING - FLOOR PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"

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 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.



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

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503.226.2921 pae-engineers.com

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

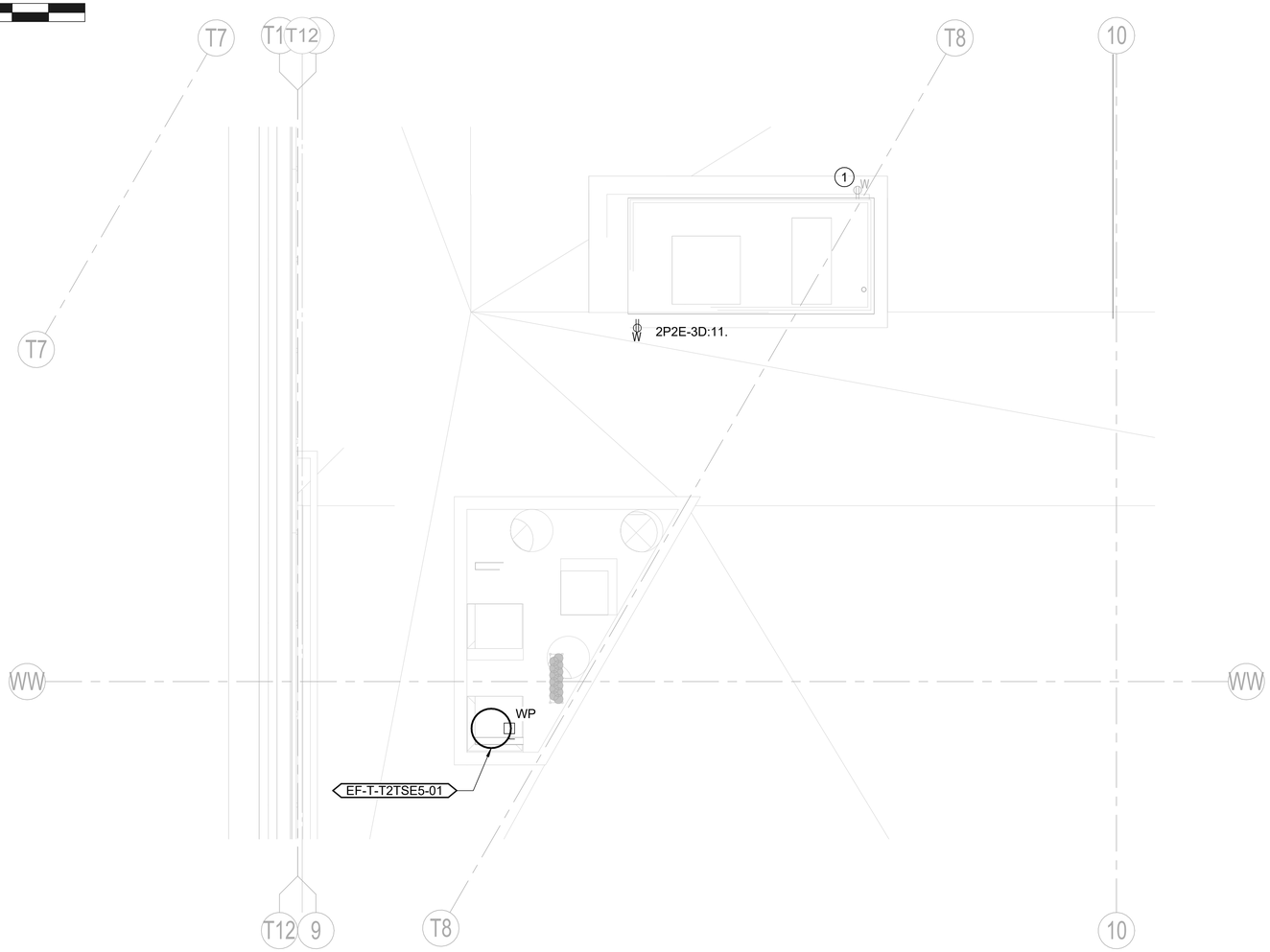
TERMINAL - ENPLANING - SECTOR E1 - T2TS40 - FLOOR PLAN - ELECTRICAL

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

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.

light gray
dark gray
black

0' 2' 4' 8' 12'
SCALE: IN FEET



1 TERMINAL - SECTOR E1 - T2TS40 - ROOF PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"

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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NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

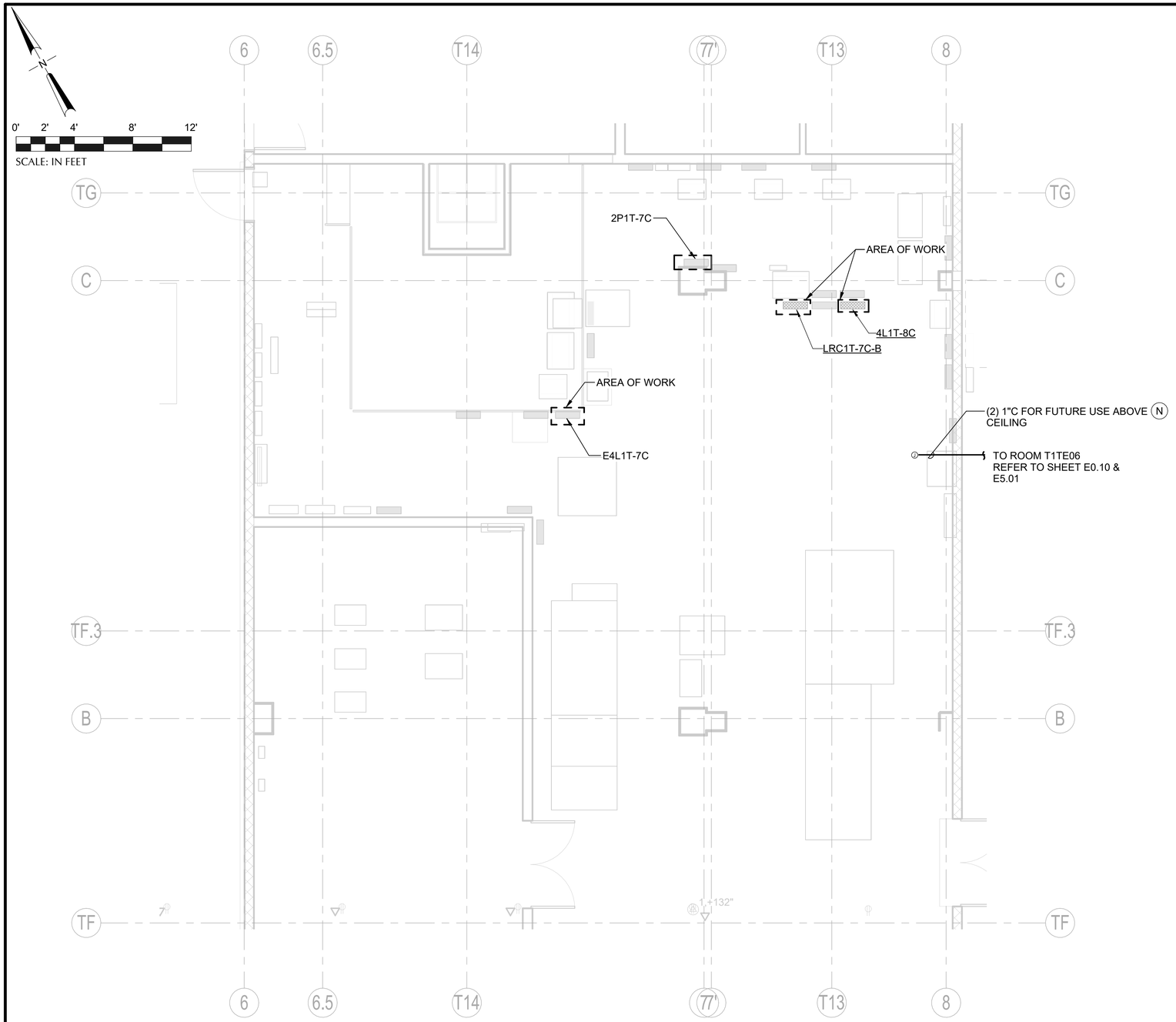
PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
TERMINAL - ROOF - SECTOR E1 - T2TS40 - ROOF PLAN - ELECTRICAL

SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. NGUYEN		
DRAWN BY	A. NGUYEN		
CHECKED BY	J. MUTSCHLER		
DATE	JULY 2026		
SHEET NO.	140	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	E3.09

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

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.

light gray
dark gray
black



1 ENLARGED PLAN - ELECTRICAL ROOM T1TF33 - ELECTRICAL
SCALE: 1/4" = 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".
GRAPHIC SCALE-FOR REFERENCE ONLY
0 1/4" 1/2" 1" 2"

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

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

light gray
dark gray
black

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.

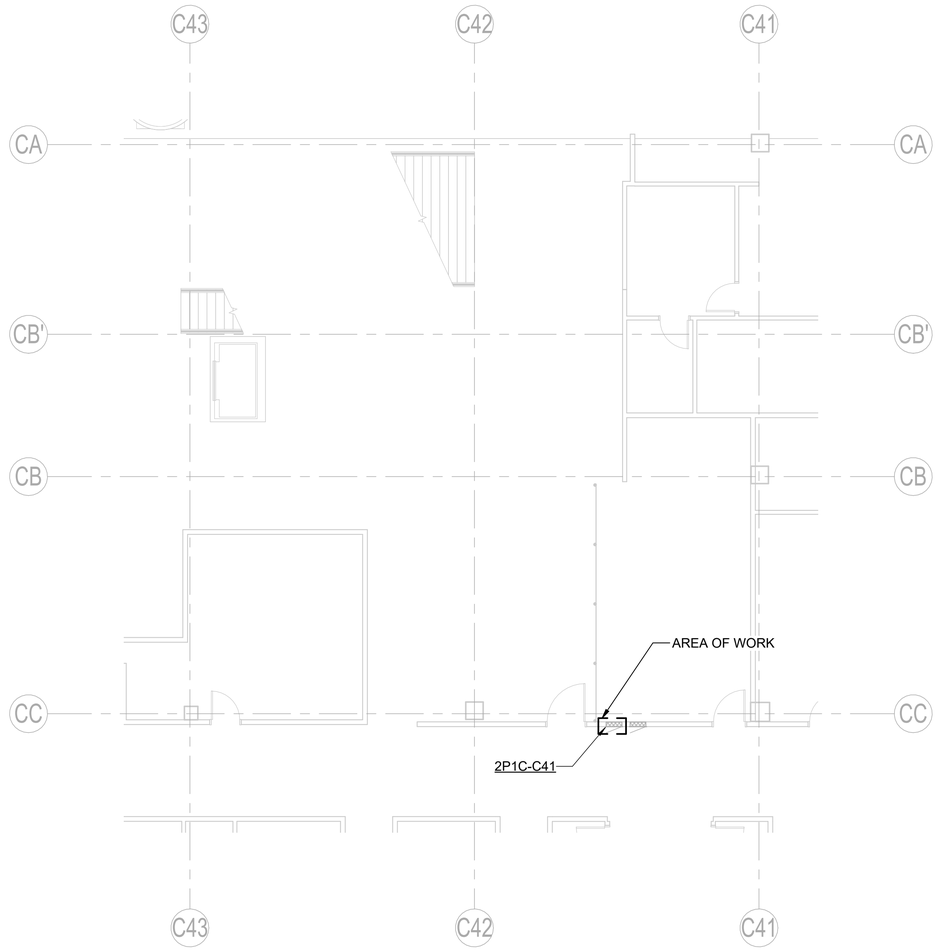
N

0' 2' 4' 8' 12'

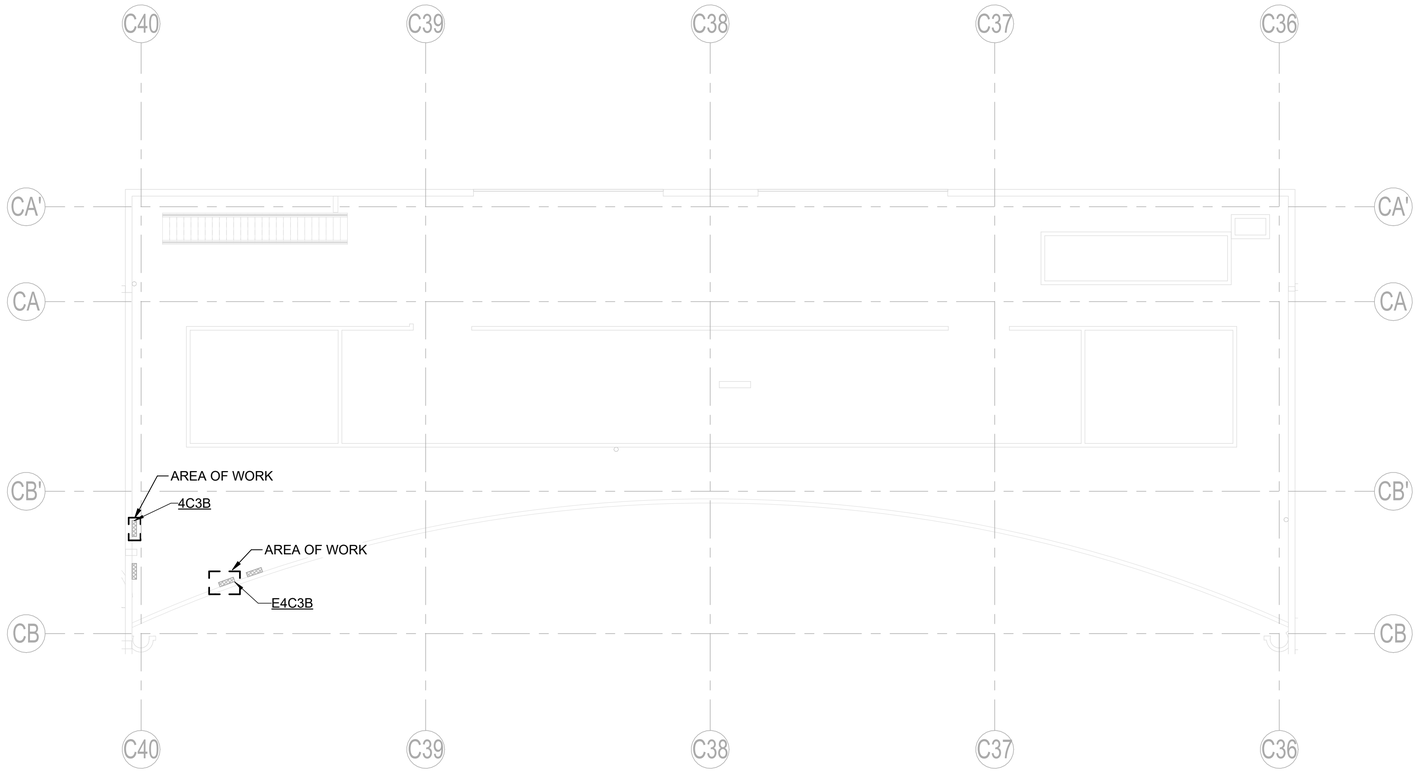
SCALE: IN FEET

NOTES

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"

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

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.	E5.02

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

light gray
dark gray
black

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.

0' 2' 4' 8' 12'

SCALE: IN FEET

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
0 1" 2"

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1993
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

SECTIONS & PARTIAL PLANS 3 - ELECTRICAL

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

light gray
dark gray
black

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.

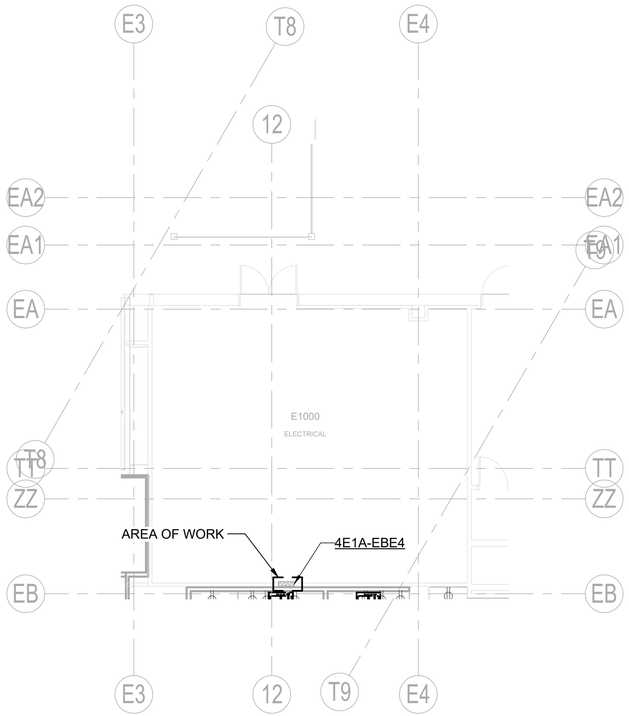
N

0' 2' 4' 8' 12'

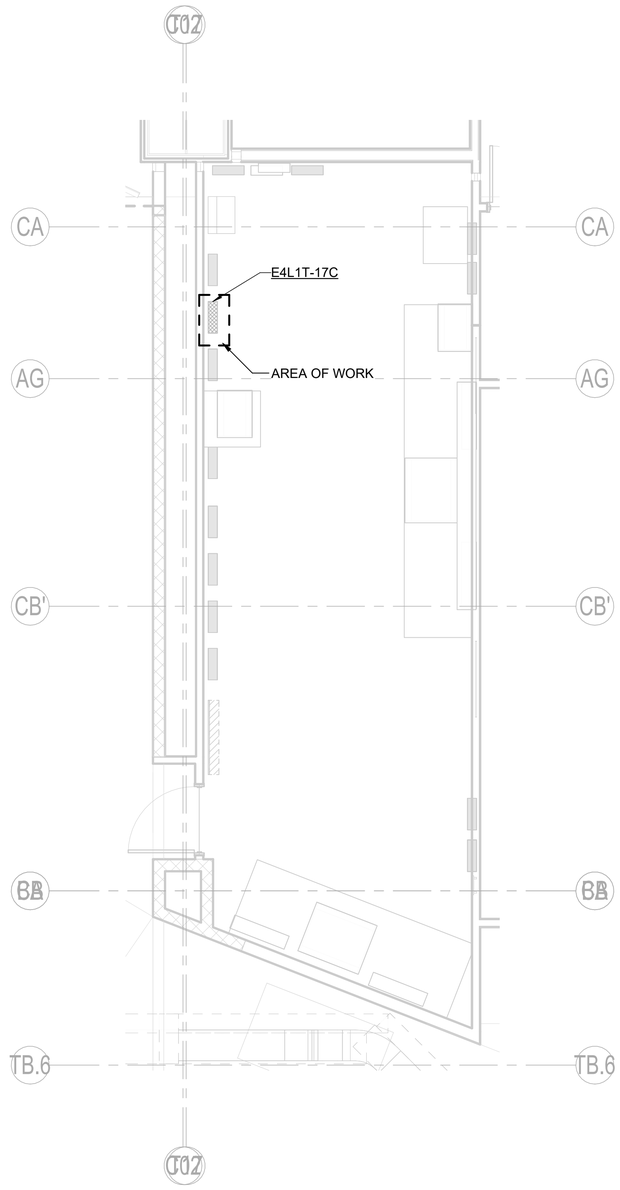
SCALE: IN FEET

NOTES

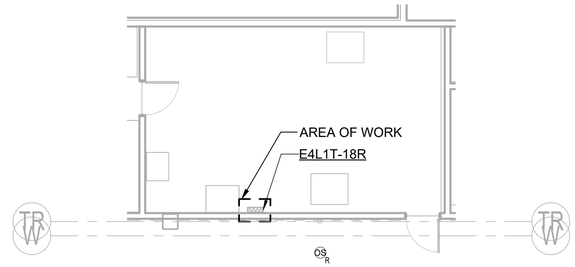
1. ALL EQUIPMENT SHOWN IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED.



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"

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

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NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
4477SPE
OREGON
JULY 13, 1999
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

SECTIONS & PARTIAL PLANS 4 - ELECTRICAL

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

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.

light gray

dark gray

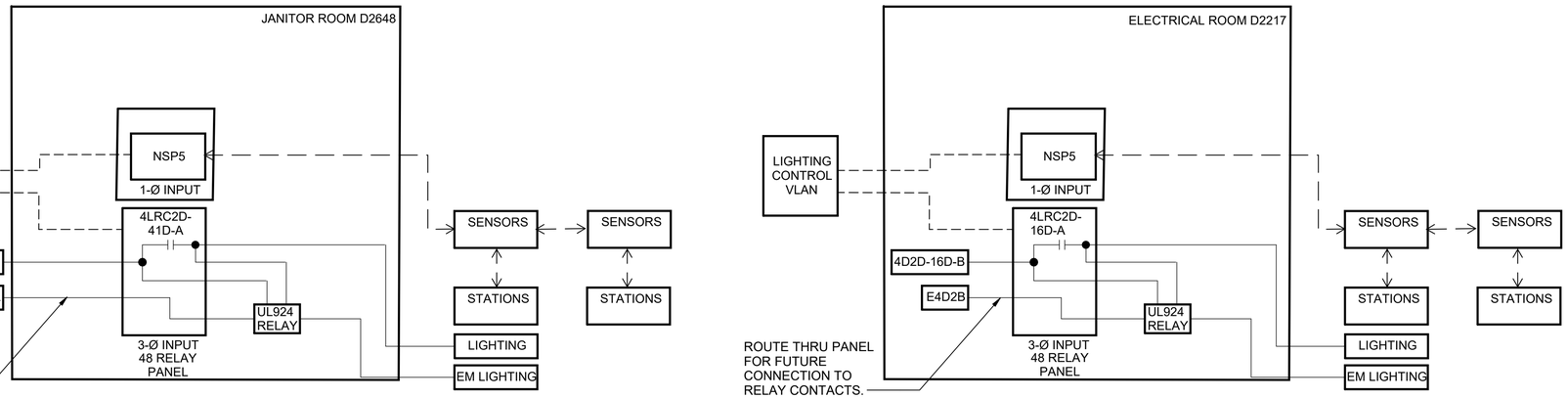
black

WIRE LEGEND

UNISON (BELDEN 8471)

CATEGORY CABLE

POWER CONDUCTOR



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

DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".
GRAPHIC SCALE-FOR REFERENCE ONLY
0 1/8" 1/2" 1" 2"

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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503.226.2921 pae-engineers.com

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

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

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

LIGHTING CONTROL RISER - ELECTRICAL

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.	PDX 2026-510
DISC. SHT. NO.	E6.01

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.

light gray

dark gray

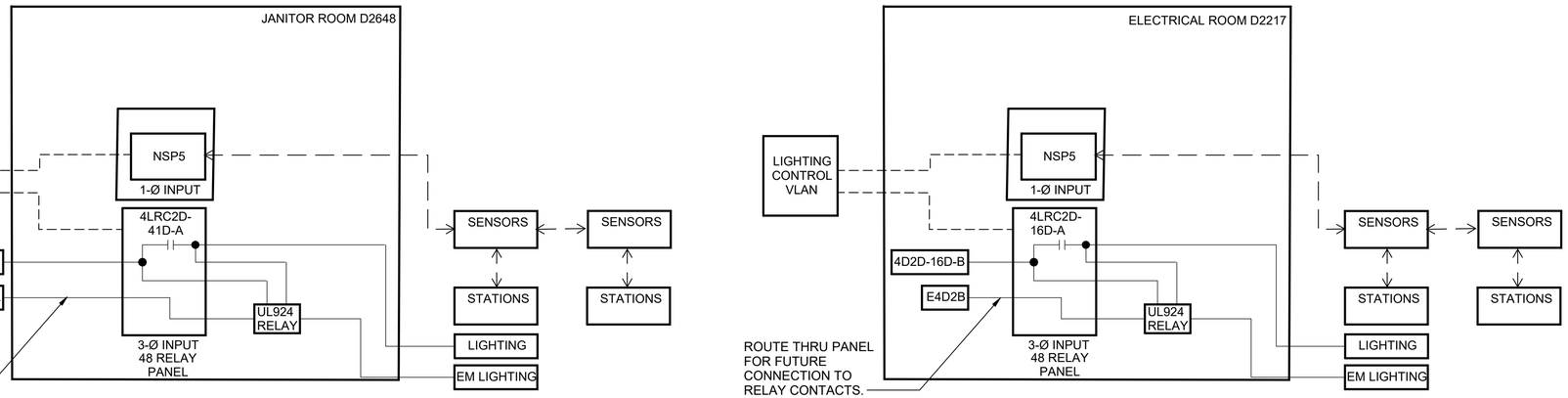
black

WIRE LEGEND

UNISON (BELDEN 8471)

CATEGORY CABLE

POWER CONDUCTOR



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

DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".
GRAPHIC SCALE-FOR REFERENCE ONLY
0 1/8" 1/2" 1" 2"

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

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OREGON
JULY 13, 1999
GRANT R. PARTHEMER
7-19-26
EXP|RES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

LIGHTING CONTROL RISER - ELECTRICAL

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.	PDX 2026-510
DISC. SHT. NO.	E6.01

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.

light gray

dark gray

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LIGHTING DIMMING RELAY CABINET 4LRC2D-16D-A

CONTROL AREA			RELAY CONTROL INPUTS						CIRCUITING INFORMATION		NOTES
RELAY	ZONE	DESCRIPTION	SENSOR	SWITCH /CONTROL STATION	PHOTOCELL	DIMMING/ HIGH-END TRIM	TIME CLOCK	EMERGENCY SOURCE	PANEL	LOAD (VA)	
1	Z2-53-01	D2222 RESTROOM MEN	OS	NO	NO	YES	NO	NO	4P2D-16D-B	65	
2	Z2-53-02	D2222 RESTROOM MEN	OS	NO	NO	YES	NO	NO	4P2D-16D-B	79	
3	Z2-53-03	D2222 RESTROOM MEN	OS	NO	NO	NO	NO	NO	4P2D-16D-B	190	
4	Z2-53-04	D2223 RESTROOM WOMEN	OS	NO	NO	YES	NO	NO	4P2D-16D-B	130	
5	Z2-53-05	D2223 RESTROOM WOMEN	OS	NO	NO	YES	NO	NO	4P2D-16D-B	60	
6	Z2-53-06	D2223 RESTROOM WOMEN	OS	NO	NO	NO	NO	NO	4P2D-16D-B	167	
7	Z2-53-07	D2222/D2223 RESTROOM ENTRANCE	OS	NO	NO	NO	NO	NO	4P2D-16D-B	138	
8	Z2-53-08	D2222/D2223 SIGNAGE	NO	NO	NO	YES	YES	NO	2D2BA	100	
9		SPARE									
10		SPARE									
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48		SPARE									

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

PAE 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, 1995
GRANT R. PARTHEMER
7-19-26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

LIGHTING CONTROL SCHEDULE - ELECTRICAL

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. NGUYEN
DRAWN BY	A. NGUYEN
CHECKED BY	J. MUTSCHLER
DATE	JULY 2026
SHEET NO.	146
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	E7.01

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.

light gray

dark gray

black

LIGHTING DIMMING RELAY CABINET 4LRC2D-41D-A

CONTROL AREA			RELAY CONTROL INPUTS						CIRCUITING INFORMATION		NOTES
RELAY	ZONE	DESCRIPTION	SENSOR	SWITCH /CONTROL STATION	PHOTOCELL	DIMMING/ HIGH-END TRIM	TIME CLOCK	EMERGENCY SOURCE	PANEL	LOAD (VA)	
1	Z2-52-01	D2647 COMPANION CARE	OS	NO	NO	YES	NO	NO	4D2A	57	
2		SPARE									
3		SPARE									
4		SPARE									
5		SPARE									
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42		SPARE									
43		SPARE									
44		SPARE									
45		SPARE									
46		SPARE									
47		SPARE									
48		SPARE									

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031
DESIGN NUMBER

103101
PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7-19-26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

LIGHTING CONTROL SCHEDULE 2 - ELECTRICAL

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.	E7.02

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.

light gray | dark gray | black

(E) LIGHTING DIMMING RELAY CABINET 4LDC1T-13G-B

CONTROL AREA			RELAY CONTROL INPUTS						CIRCUITING INFORMATION		NOTES
RELAY	ZONE	DESCRIPTION	SENSOR	SWITCH /CONTROL STATION	PHOTOCELL	DIMMING/ HIGH-END TRIM	TIME CLOCK	EMERGENCY SOURCE	PANEL	LOAD (VA)	
1	ZB-32-01	BAG CLAIM SECTOR 32 LINEAR		NO	NO	HIGH-END TRIM	YES	NO	4L1T-8C	1290	
2	ZB-32-02	BAG CLAIM SECTOR 32 LINEAR - BAG BELT	OS	NO	NO	DIMMING	YES	NO	4L1T-8C	360	
3	ZB-32-03	BAG CLAIM SECTOR 32 LINEAR - BAG BELT	OS	NO	NO	DIMMING	YES	NO	4L1T-8C	330	
4	ZB-32-04	BAG CLAIM SECTOR 32 DOWNLIGHT - DAYLIGHT		NO	YES	DIMMING	YES	NO	4L1T-8C	306	
5	ZB-32-05	BAG CLAIM SECTOR 32 WALLWASHER		NO	NO	YES	YES	NO	4L1T-8C	680	DAY AND EVENING SCHEDULE
6	ZB-32-06	BAG CLAIM SECTOR 32 DOWNLIGHT		NO	NO	NO	YES	NO	4L1T-8C	136	
7	ZB-32-07	BAG CLAIM SECTOR 32 ADJUSTABLE DOWNLIGHT		NO	NO	NO	YES	NO	4L1T-8C	126	
8	ZB-32-08	BAG CLAIM SECTOR 32 LINEAR		NO	NO	HIGH-END TRIM	YES	NO	4L1T-8C	600	
9	ZB-32-09	BAG CLAIM SECTOR 32 SIGN CMB2-012		NO	NO	NO	NO	NO	4L1T-8C	300	
11	ZB-33-08	BAG CLAIM SECTOR 33 LINEAR		NO	NO	HIGN-END TRIM	YES	NO	4L1T-8C	60	
12	ZB-42-01	BAG CLAIM SECTOR 42 LINEAR		NO	NO	HIGH-END TRIM	YES	NO	4L1T-8C	630	
13	ZB-42-02	BAG CLAIM SECTOR 42 WALLWASHER		NO	NO	YES	YES	NO	4L1T-8C	153	DAY AND EVENING SCHEDULE
14	ZB-42-03	BAG CLAIM SECTOR 42 ADJUSTABLE DOWNLIGHT		NO	NO	NO	YES	NO	4L1T-8C	126	
15	ZB-42-04	BAG CLAIM SECTOR 42 SIGN CM2-010		NO	NO	NO	NO	NO	4L1T-8C	300	
16	ZB-43-01	BAG CLAIM SECTOR 43 LINEAR		NO	NO	HIGH-END TRIM	YES	NO	4L1T-8C	300	
17	ZB-43-02	BAG CLAIM SECTOR 43 DOWNLIGHT - DAYLIGHT		NO	YES	DIMMING	YES	NO	4L1T-8C	51	
18	ZB-43-03	BAG CLAIM SECTOR 43 DOWNLIGHT		NO	NO	NO	YES	NO	4L1T-8C	187	
19	ZB-43-04	BAG CLAIM SECTOR 43 DOWNLIGHT - DAYLIGHT		NO	NO	DIMMING	YES	NO	4L1T-8C	230	
20	ZB-43-05	BAG CLAIM SECTOR 43 SIGN CM2-009		NO	NO	NO	NO	NO	4L1T-8C	300	
21	ZB-43-06	BAG CLAIM SECTOR 43 SIGN FM2-020		NO	NO	NO	NO	NO	4L1T-8C	300	
22	Z1-32-01	T1TE04 RESTROOM WOMEN	OS	NO	NO	YES	NO	NO	4L1T-8C	297	(N)
23	Z1-32-02	T1TE04 RESTROOM WOMEN	OS	NO	NO	NO	NO	NO	4L1T-8C	171	
24	Z1-32-03	T1TE04 RESTROOM WOMEN	OS	NO	NO	YES	NO	NO	4L1T-8C	156	
25	Z1-32-04	T1TE06 RESTROOM MEN	OS	NO	NO	YES	NO	NO	4L1T-8C	133	
26	Z1-32-05	T1TE06 RESTROOM MEN	OS	NO	NO	NO	NO	NO	4L1T-8C	52	
27	Z1-32-06	T1TE06 RESTROOM MEN	OS	NO	NO	YES	NO	NO	4L1T-8C	226	
28		SPARE									
29		SPARE									
30		SPARE									
31		SPARE									
32		SPARE									
33		SPARE									
34		SPACE									
33		SPACE									
34		SPACE									
35		SPACE									
36	ZB-32-01E	BAG CLAIM SECTOR 32 LINEAR - EMERGENCY		NO	NO	HIGH-END TRIM	YES	YES	E4L1T-7C	960	
37	ZB-42-01E	BAG CLAIM SECTOR 42 LINEAR - EMERGENCY		NO	NO	HIGH-END TRIM	YES	YES	E4L1T-7C	384	
38	ZB-43-01E	BAG CLAIM SECTOR 43 LINEAR		NO	NO	HIGH-END TRIM	YES	YES	E4L1T-7C	60	
39	ZB-43-02E	BAG CLAIM SECTOR 43 DOWNLIGHT		NO	NO	NO	YES	YES	E4L1T-7C	68	
40	ZB-43-03E	BAG CLAIM SECTOR 43 DOWNLIGHT - DAYLIGHT		NO	NO	DIMMING	YES	YES	E4L1T-7C	170	
41	Z1-32-01E	T1TE04 RESTROOM WOMEN	OS	NO	NO	YES	NO	YES	E4L1T-7C	38	(N)
42	Z1-32-02E	T1TE06 RESTROOM MEN	OS	NO	NO	YES	NO	YES	E4L1T-7C	38	
43		SPACE									
45		SPACE									
46		SPACE									
47		SPACE									
48		SPACE									

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7-19-26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

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.	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.

light gray

dark gray

black

(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	(N)
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	(N)
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.

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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503.226.2921 pae-engineers.com

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 44775PE OREGON JULY 13, 1995 GRANT R. PARTHEMER

7-19-26

EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

LIGHTING CONTROL SCHEDULE 4 - ELECTRICAL

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. NGUYEN
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

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

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

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.

light gray | dark gray | black

(E) **LIGHTING DIMMING RELAY CABINET 4LDC2T-15Q-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	Z2-12-01E	T2TQ48 COMPANION CARE	YES	YES	NO	YES	NO	NO	E4L1T-18R	47	1	(N)
2		RESTROOM ALL USER T2TQ69										
3	Z2-11-03E	T2TQ66 COMPANION CARE	YES	YES	NO	YES	NO	NO	E4L1T-18R	47	1	(N)
4		RESTROOM ALL USER T2TQ69							4L2T-15Q			
5		SPARE										
6		CHECK IN - T2TN49							4L2T-15Q			
7		SPARE										
8		RESTROOM ENHANCED FAMILY T2TQ46							4L2T-15Q			
9		SPARE										
10		RESTROOM ALL USER T2TR45							4L2T-15Q			
11		SPARE										
12		RESTROOM ALL USER T2TR45							4L2T-15Q			
13		SPARE										
14		LACTATION ROOM T2TQ46							4L2T-15Q			
15		SPARE										
16		RESTROOM ALL USER T2TR45/T2TQ45							4L2T-15Q			
17		SPARE										
18		CHECK IN - T2TN49							4L2T-15Q			
19		RESTROOM ALL USER T2TQ45							E4L1T-18R			
20		LACTATION ROOM T2TQ46							4L2T-15Q			
21		RESTROOM ALL USER T2TQ45							E4L1T-18R			
22		GROWTH - T2TQ45							4L2T-15Q			
23		EMPLOYEE SCREENING - T2TQ60							E4L1T-18R			
24		RESTROOM ALL USER - T2TQ45							4L2T-15Q			
25		EMPLOYEE SCREENING - T2TQ60							4L2T-15Q			
26		RESTROOM ALL USER T2TQ45							4L2T-15Q			
27		RESTROOM ENHANCED T2TQ66							4L2T-15Q			
28		RESTROOM ENHANCED T2TQ48							4L2T-15Q			
29		RESTROOM ALL USER T2TQ69							4L2T-15Q			
30		CIRCULATION T2TQ40							4L2T-15Q			
31		LACTATION ROOM T2TQ67							4L2T-15Q			
32		RESTROOM ALL USER T2TR45							4L2T-15Q			
33		RESTROOM ALL USER T2TR69							4L2T-15Q			
34		RESTROOM ALL USER T2TQ45							4L2T-15Q			
35		RESTROOM ALL USER T2TQ69							4L2T-15Q			
36		RESTROOM ALL USER T2TQ45							4L2T-15Q			
37		RESTROOM ALL USER T2TR45/T2TQ45							4L2T-15Q			
38	Z2-12-38	T2TQ48 COMPANION CARE	YES	YES	NO	YES	NO	NO	4L2T-15Q	57	1	(N)
39		RESTROOM ENHANCED FAMILY T2TQ66										
40	Z2-11-40	T2TQ66 COMPANION CARE	YES	YES	NO	YES	NO	NO	4L2T-15Q	57	1	(N)
41		RESTROOM ALL USER T2TQ69							4L2T-15Q			
42		SPARE										
43		RESTROOM ALL USER T2TQ69							4L2T-15Q			
44		SPARE										
45		LACTATION ROOM T2TQ67							4L2T-15Q			
46		SPARE										
47		SPARE										
48		SPARE										

KEY NOTES

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

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

0 1/8" 1/2" 1" 2"

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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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

LIGHTING CONTROL SCHEDULE 5 - ELECTRICAL

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.	E7.05

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.

NOTES

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

(E) 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
TOILET ROOMS	REC	900	20/1	7	A	8	20/1	2000	EQ	EWH-CE203
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
(X) 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)
EQUIPMENT (EQ)	4000	4250	2500	10750
LIGHT AND CONT (LCL)	1250	250	2600	4100
RECEPTACLES (REC)	4097	3717	3200	11013
DESIGN LOAD PHASE SUB-TOTAL	9346	8217	8300	25863

TOTAL CONNECTED LOAD VA:	26190
MAX CONNECTED PHASE AMPS:	82.1
TOTAL DESIGN LOAD VA:	25863
MAX DESIGN PHASE AMPS:	77.8
NOTES:	

(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
(X) 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)
EQUIPMENT (EQ)	13850	13850	13850	41550
LIGHT AND CONT (LCL)	5125	3750	5250	14125
DESIGN LOAD PHASE SUB-TOTAL	18975	17600	19100	55675

TOTAL CONNECTED LOAD VA:	52850
MAX CONNECTED PHASE AMPS:	65.1
TOTAL DESIGN LOAD VA:	55675
MAX DESIGN PHASE AMPS:	68.9
NOTES:	

2C3B	4A1M

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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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
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.	PDX 2026-510
DISC. SHT. NO.	E8.01

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.

light gray
dark gray
black

NOTES

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

(E) 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 (X)
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)
(None)	11650	10912	8850	31412
EQUIPMENT (EQ)	13631	12489	12686	38806
LIGHT AND CONT (LCL)	17675	13200	14323	45198
DESIGN LOAD PHASE SUB-TOTAL	42956	36602	35859	115416

TOTAL CONNECTED LOAD VA:	100094
MAX CONNECTED PHASE AMPS:	133.8
TOTAL DESIGN LOAD VA:	115416
MAX DESIGN PHASE AMPS:	155.0
NOTES:	

(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 (X)
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)
(None)	8975	11100	11513	31588
EQUIPMENT (EQ)	332	332	332	996
LIGHT AND CONT (LCL)	10275	5975	3256	19506
DESIGN LOAD PHASE SUB-TOTAL	19582	17407	15101	52090

TOTAL CONNECTED LOAD VA:	41871
MAX CONNECTED PHASE AMPS:	56.8
TOTAL DESIGN LOAD VA:	52090
MAX DESIGN PHASE AMPS:	70.7
NOTES:	

4D2A	E4D2B

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

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
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	E8.03

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.

NOTES

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

(E) 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)
(None)	24770	22443	20443	67655
DESIGN LOAD PHASE SUB-TOTAL	24770	22443	20443	67655

TOTAL CONNECTED LOAD VA:	54124
MAX CONNECTED PHASE AMPS:	71.5
TOTAL DESIGN LOAD VA:	67655
MAX DESIGN PHASE AMPS:	89.4
NOTES:	

(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)
(None)	11650	10912	8850	31412
EQUIPMENT (EQ)	1000	1000	1000	3000
LIGHT AND CONT (LCL)	32839	27153	28305	88296
DESIGN LOAD PHASE SUB-TOTAL	45489	39065	38155	122709

TOTAL CONNECTED LOAD VA:	98767
MAX CONNECTED PHASE AMPS:	132.0
TOTAL DESIGN LOAD VA:	122709
MAX DESIGN PHASE AMPS:	164.1
NOTES:	

4C3B	4D2A

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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OREGON
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GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

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.	PDX 2026-510
DISC. SHT. NO.	E8.11

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

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.

light gray | dark gray | black

NOTES

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

(E) 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		
(N) 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)
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

TOTAL CONNECTED LOAD VA:	106885
MAX CONNECTED PHASE AMPS:	135.6
TOTAL DESIGN LOAD VA:	113224
MAX DESIGN PHASE AMPS:	147.7
NOTES:	

(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
(N) 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)
EQUIPMENT (EQ)	100	100	100	300
LIGHT AND CONT (LCL)	6027	2426	2600	11054
DESIGN LOAD PHASE SUB-TOTAL	6128	2526	2700	11354

TOTAL CONNECTED LOAD VA:	9143
MAX CONNECTED PHASE AMPS:	17.8
TOTAL DESIGN LOAD VA:	11354
MAX DESIGN PHASE AMPS:	22.1
NOTES:	

4D2B	4L1T-8C

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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

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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.

(E) 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 (N)
Z32-288	EQ	500	20/1	5	C	6	20/1	2911	(N) LCL	Z31-249/266/267 Z32-202/207:212/267 Z41-204:206/238 Z42-202/227/229 Z22-207/214
SPARE		0	20/1	7	A	8	20/1	1186	LCL	Z22-202/203/208/211/213
DMX2T-15E-EBDK-A	LCL	10	20/3	9	B	10	20/1	1643	LCL	Z32-215:220/222/223/226
		10		11	C	12	20/1	1200	LCL	Z32-244:257/269/270/272
		10		13	A	14	20/1	1826	LCL	Z31-233:235/237:241 Z32-225
4LDC2T-14E-A LCP POWER	LCL	2000	20/1	15	B	16	20/1	1030	LCL	Z32-258:266/268/287/290
4LDC2T-14E-B LCP POWER	LCL	2000	20/1	17	C	18	20/1	1321	LCL	Z32-221/271/272/277/278/280/281
SPARE		0	20/1	19	A	20	20/1	884	LCL	Z32-213/214/234/236:243 4LDC1T-15E RLY ZT-E5-01:02 (N)
4LDC2T-13E-A LCP POWER	LCL	140	20/1	21	B	22	20/1	3020	(N) LCL	Z31-224/228:232/253/254 Z31-259/260/268
4LDC2T-14C-A LCP POWER	LCL	140	20/1	23	C	24	20/1	140	LCL	4LDC2T-16E-A LCP POWER
4LDC2T-14C-B LCP POWER	LCL	140	20/1	25	A	26	20/1	0		SPARE
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)
EQUIPMENT (EQ)	0	0	500	500
LIGHT AND CONT (LCL)	7125	12096	9828	29049
DESIGN LOAD PHASE SUB-TOTAL	7125	12096	10328	29549

TOTAL CONNECTED LOAD VA:	23739
MAX CONNECTED PHASE AMPS:	34.9
TOTAL DESIGN LOAD VA:	29549
MAX DESIGN PHASE AMPS:	43.6
NOTES:	

(E) 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 (N)
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 (N)
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)
EQUIPMENT (EQ)	104	0	0	104
LIGHT AND CONT (LCL)	4931	10076	8006	23014
DESIGN LOAD PHASE SUB-TOTAL	5035	10076	8006	23118

TOTAL CONNECTED LOAD VA:	18515
MAX CONNECTED PHASE AMPS:	29.1
TOTAL DESIGN LOAD VA:	23118
MAX DESIGN PHASE AMPS:	36.4
NOTES:	

4L2T-15E	4L2T-15Q

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

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503.226.2921 pae-engineers.com

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.	PDX 2026-510
DISC. SHT. NO.	E8.13

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: 4E1A-EBE4 | VOLTAGE(V): 480Y/277V - 3PH-4W | BUS RATING(A): 225

AVAILABLE FAULT(A): 9729 | MAIN: MLO | MOUNTING: Surface | ENCLOSURE: NEMA 1

DESCRIPTION	DEMAND	VA	BKR A/P	CKT		CKT	BKR A/P	VA	DEMAND	DESCRIPTION
TUNNEL LIGHTS**	LCL	3200	20/1	1	A	2	20/1	2250	LCL	N.E. OFFICE**
LRC-E1A e**	LCL	2200	20/1	3	B	4	20/1	1290	LCL	LOST AND FOUND
ELEC.RM.**	LCL	1500	20/1	5	C	6	20/1	1920	LCL	LOST AND FOUND
N.E. TOILET JANITOR**	LCL	2825	20/1	7	A	8	20/1	2250	LCL	T1544 OFFICE
PAVEMENT MONITORING* SYSTEM 10L-28R	EQ	250	20/1	9	B	10	20/1	2250	LCL	T1558 NORTH OF UNITED
UNKNOWN		0	20/1	11	C	12	20/1	3200	LCL	LIGHTS IN T1530
T1TT13/T1TT15/T1TT08 LTG	LCL	250	20/1	13	A	14	20/1	1226	LCL	Z02-203/211/212/214/219/220/226/227/323/327
EH-1 HEATERS EH-2 HEATERS	EQ	5000	20/1	15	B	16	20/1	1918	LCL	Z02-210/215/221/223/230/231/234/T2TS39&T2TS40 (N) LTG
Z02-164:166/237/239/244	LCL	1800	20/1	17	C	18	20/1	1100	LCL	Z02-101/102/109/112/114/124/128/ 144/146 /152/154/167
CM3-004 Z02-241/246/ 250	LCL	1317	20/1	19	A	20	20/1	1374	LCL	BUS SHELTER LRC-E2A
POWER MONITOR	EQ	2	20/3	21	B	22	20/1	1541	LCL	Z01-304 Z02-115:117/120:122/ 129/ 142/401
		2		23	C	24	20/1	1553	LCL	Z02-113/155:162/213/242/243
		2		25	A	26	20/3	10	LCL	DMX1T-E2EA-EBDK-A
Z02-104:108/110/111/123/127/132/133/141	LCL	1178	20/1	27	B	28		10		
Z02-247	LCL	600	20/1	29	C	30		10		
ROLL UP DOOR	EQ	1000	20/3	31	A	32	20/3	0		UNKNOWN
		1000		33	B	34		0		
		1000		35	C	36		0		
UNKNOWN	EQ	1000	20/3	37	A	38	70/3	0		PANEL 2E1A 45KVA XFMR*
		1000		39	B	40		0		
		1000		41	C	42		0		

DEMAND CATEGORY	A PH(VA)	B PH(VA)	C PH(VA)	TOTAL(VA)
(None)	0	2500	2500	5000
EQUIPMENT (EQ)	6880	11694	6660	25234
LIGHT AND CONT (LCL)	13219	7175	10738	31131
RECEPTACLES (REC)	6977	6167	5206	18349
DESIGN LOAD PHASE SUB-TOTAL	27075	27536	25104	79715

TOTAL CONNECTED LOAD VA:	80839
MAX CONNECTED PHASE AMPS:	102.6
TOTAL DESIGN LOAD VA:	79715
MAX DESIGN PHASE AMPS:	99.4
NOTES:	

(N) DESIGNATION: 4P2D-16D-B | VOLTAGE(V): 480Y/277V - 3PH-4W | BUS RATING(A): 100

AVAILABLE FAULT(A): 8260 | MAIN: MLO | MOUNTING: Surface | ENCLOSURE: NEMA 1

DESCRIPTION	DEMAND	VA	BKR A/P	CKT		CKT	BKR A/P	VA	DEMAND	DESCRIPTION
4LRC2D-16D-A RLY 1:8	LCL	823	20/1	1	A	2	20/1	0		SPARE
SPARE		0	20/1	3	B	4	20/1	0		SPARE
SPARE		0	20/1	5	C	6	20/1	0		SPARE
SPARE		0	20/1	7	A	8	20/1	0		SPARE
SPARE		0	20/1	9	B	10	20/1	0		SPARE
SPARE		0	20/1	11	C	12	20/1	0		SPARE
SPARE		0	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
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
(RE) AHU CWP & HWP NEW	EQ	1150	20/3	31	A	32	20/1	0		SPARE
		1150		33	B	34	20/1	0		SPARE
		1150		35	C	36	20/1	0		SPARE
SPARE		0	20/1	37	A	38	30/3	6011	EQ	EWH-D2221
SPARE		0	20/1	39	B	40		6011		
SPARE		0	20/1	41	C	42		6011		

DEMAND CATEGORY	A PH(VA)	B PH(VA)	C PH(VA)	TOTAL(VA)
EQUIPMENT (EQ)	7161	7161	7161	21483
LIGHT AND CONT (LCL)	1029	0	0	1029
DESIGN LOAD PHASE SUB-TOTAL	8190	7161	7161	22512

TOTAL CONNECTED LOAD VA:	22306
MAX CONNECTED PHASE AMPS:	28.8
TOTAL DESIGN LOAD VA:	22512
MAX DESIGN PHASE AMPS:	29.6
NOTES:	

4E1A-EBE4	4P2D-16D-B

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 44775PE Grant Parthemer OREGON JULY 13, 1999 GRANT R. PARTHEMER

7/14/26

EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

480V 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.	157
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	E8.14

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: 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 (N)
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)
EQUIPMENT (EQ)	13432	16048	16224	45704
LIGHT AND CONT (LCL)	16620	11080	11080	38780
RECEPTACLES (REC)	4187	4097	4367	12650
DESIGN LOAD PHASE SUB-TOTAL	34239	31225	31671	97134

TOTAL CONNECTED LOAD VA:	92028
MAX CONNECTED PHASE AMPS:	114.6
TOTAL DESIGN LOAD VA:	97134
MAX DESIGN PHASE AMPS:	123.5

NOTES:

4P1T-8W

NO.	DATE	BY	REVISIONS	APP
NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

480V 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.	158
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	E8.15

DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17". 0 1" 1 1/2" 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) MCC : M4D3B					Project Name : PDX Distribuition System							
Voltage: 480		Amps: 600		kAIC Rating: 65								
		Main: MLO										
Section Space	Equipment Name	Motor			Static Load			Protective Device		Conductor		
		kV	HP	NEMA Code	kV	kW	kVAR	Trip Amps	Int kA	Type	No/Ph	Size
1A	LABELS	0.46		G						1/C	1	
1B	AHU-D-305 RF				0.48	10	0	40		1/C	1	
1C	EF-D404	0.46	1	G						1/C	1	
1D	AHU-D-307 SF				0.48	3	0	15		1/C	1	
1E	AHU-D-306 RF				0.48	10	0	40		1/C	1	
1F	AHU-D-306 SF				0.48	31	0	125		1/C	1	
1G	AHU-D-305 SF				0.48	31	0	125		1/C	1	
2A	SPACE	0.46		G						1/C	1	
2B	INCOMING				0.48	0	0			1/C	1	
2C	EF-D401	0.46	1	G				20		1/C	1	(1)(2)
2D	SPACE	0.46		G						1/C	1	
2E	SPARE				0.48		0			1/C	1	
2F	SPARE				0.48		0			1/C	1	

(E) MCC : M4D3A					Project Name : PDX Distribuition System							
Voltage: 480		Amps: 600		kAIC Rating: 42								
		Main: MLO										
Section Space	Equipment Name	Motor			Static Load			Protective Device		Conductor		
		kV	HP	NEMA Code	kV	kW	kVAR	Trip Amps	Int kA	Type	No/Ph	Size
1A	SPARE	0.46		G						1/C	1	
1B	SPACE	0.46		G						1/C	1	
1C	SPARE	0.46		G						1/C	1	
1D	SPARE	0.46		G						1/C	1	
1E	INCOMING				0.48	0	0			1/C	1	
2A	SPARE	0.46		G						1/C	1	
2B	SPACE	0.46		G						1/C	1	
2C	SPARE	0.46		G						1/C	1	
2D	SPARE									1/C	1	
2E	SPARE	0.46		G						1/C	1	
3A 12	RF-D-301A	0.46	20	G				50		1/C	1	
3B 12	RF-D-301B	0.46	8	G				30		1/C	1	
3C 12	RF-D-302A	0.46	20	G				50		1/C	1	
3D 12	RF-D-302B	0.46	8	G				30		1/C	1	
3E	SPARE	0.46		G						1/C	1	
3F	SPARE	0.46		G						1/C	1	
4A 12	EF-D301	0.46	1	G				7		1/C	1	
4B 12	EF-D302	0.46	1	G				7		1/C	1	
4C 12	EF-D303	0.46	1	G				7		1/C	1	(1)
4D	SF-D-303	0.46	3	G				15		1/C	1	
4E	SPARE	0.46		G						1/C	1	
4F	SPACE	0.46		G						1/C	1	

KEY NOTES (#)

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

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

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503.226.2921 pae-engineers.com

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 44775PE OREGON JULY 13, 1993 GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

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.	E8.16

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) MCC : M4C3B							Project Name : PDX Distribuition System				
Voltage: 480			Amps: 600		kAIC Rating: 42						
			Main: MLO								
Section Space	Equipment Name	Motor			Static Load			Protective Device		Conductor		
		kV	HP	NEMA Code	kV	kW	kVAR	Trip Amps	Int kA	Type	No/Ph	Size
1A	NAMEPLATE---				0.48	0	0			1/C	1	
2A	AHU-CE-301 SF				0.48	48	0	90		1/C	1	
3A	AHU-CE-301 RF				0.48	20	0	30		1/C	1	
4A	SF-CE305				0.48	0	0			1/C	1	
5A	---				0.48	0	0			1/C	1	
6A	---				0.48	0	0			1/C	1	
1B	NAMEPLATE				0.48	0	0			1/C	1	
2B	EF-CE305				0.48	0	0			1/C	1	
3B	AHU-CE-302 SF				0.48	48	0	90		1/C	1	
4B	EWH-1				0.48	0	0			1/C	1	
5B	AHU-CE-307 SF				0.48	6	0	15		1/C	1	
6B	AHU-CE-302 RF				0.48	20	0	30		1/C	1	
7B	---				0.48	0	0			1/C	1	
1C	---				0.48	0	0			1/C	1	
2C	EF-CE301				0.48	0	0	20		1/C	1	
3C	EF-CE302				0.48	0	0	20		1/C	1	
4C	EF-CE303				0.48	0	0	20		1/C	1	
5C	EF-CE304				0.48	0	0	20		1/C	1	(1)(2)
6C	SPARE				0.48	0	0			1/C	1	
7C	---				0.48	0	0			1/C	1	

KEY NOTES (#)

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

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

PAE 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, 1995
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

480V PANEL SCHEDULES 7 - ELECTRICAL

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. NGUYEN
DRAWN BY	A. NGUYEN
CHECKED BY	J. MUTSCHLER
DATE	JULY 2026
SHEET NO.	160
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	E8.17

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.

NOTES

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

(E) DESIGNATION: E4C3B			VOLTAGE(V): 480Y/277V - 3PH-4W						BUS RATING(A): 250	
AVAILABLE FAULT(A): 11677	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	850	LCL	MEZZANINE
SPARE		0	20/1	3	B	4	20/1	2015	LCL	ENPLANING (NE)
SPARE		0	20/1	5	C	6	20/1	3300	LCL	CORRIDOR; C3038
SPARE		0	20/1	7	A	8	20/1	16	LCL	(N) 4RC2C-42B-A RLY36:38
SPARE		0	20/1	9	B	10	20/1	0		SPARE
SPARE		0	20/1	11	C	12	20/1	0		SPARE
SPARE		0	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
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
XFMR** E2C3B PNL		0	50/3	37	A	38		0		SPACE
		0		39	B	40		0		SPACE
		0		41	C	42		0		SPACE

DEMAND CATEGORY	A PH(VA)	B PH(VA)	C PH(VA)	TOTAL(VA)
EQUIPMENT (EQ)	1000	1000	500	2500
LIGHT AND CONT (LCL)	1708	2519	4188	8414
RECEPTACLES (REC)	2680	3417	2500	8597
DESIGN LOAD PHASE SUB-TOTAL	5388	6935	7188	19510

TOTAL CONNECTED LOAD VA:	17911
MAX CONNECTED PHASE AMPS:	23.5
TOTAL DESIGN LOAD VA:	19510
MAX DESIGN PHASE AMPS:	25.9
NOTES:	

(E) DESIGNATION: E4D2B			VOLTAGE(V): 480Y/277V - 3PH-4W						BUS RATING(A): 225	
AVAILABLE FAULT(A): 5671	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	500	15/3	1	A	2	15/3	500	EQ	SUMP PUMP WEST TUNNEL **
		500		3	B	4		500		
		500		5	C	6		500		
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	3500	20/1	13	A	14	20/1	2940	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	0	LCL	LRC-D2B
		0		19	A	20	20/1	0		SPARE
D1073 LIGHTING	LCL	95	20/1	21	B	22	20/1	0		SPARE
(N) 4LRC2D-16D-A RLY 24:25	LCL	2000	20/1	23	C	24	20/1	0		SPARE
4LRC2D-16D-A LCP POWER	EQ	150	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	60/3	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)
EQUIPMENT (EQ)	6910	10580	9760	27250
LIGHT AND CONT (LCL)	13400	5219	6756	25375
RECEPTACLES (REC)	1000	0	360	1360
DESIGN LOAD PHASE SUB-TOTAL	21310	15799	16876	53985

TOTAL CONNECTED LOAD VA:	48910
MAX CONNECTED PHASE AMPS:	67.2
TOTAL DESIGN LOAD VA:	53985
MAX DESIGN PHASE AMPS:	76.9
NOTES:	

E4C3B	E4D2B

NO.	DATE	BY	REVISIONS	APP

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503.226.2921 pae-engineers.com

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

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.	E8.21

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

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: E4D2A			VOLTAGE(V): 480Y/277V - 3PH-4W						BUS RATING(A): 125
AVAILABLE FAULT(A): 7847	MAIN: MLO		MOUNTING: Surface						ENCLOSURE: NEMA 1
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 **
(N) 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)
(None)	3040	4810	1974	9824
EQUIPMENT (EQ)	2000	0	76	2076
DESIGN LOAD PHASE SUB-TOTAL	5040	4810	2050	11900

TOTAL CONNECTED LOAD VA:	9935
MAX CONNECTED PHASE AMPS:	16.0
TOTAL DESIGN LOAD VA:	11900
MAX DESIGN PHASE AMPS:	18.2
NOTES:	

(E) 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
(N) 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)
(None)	125	125	125	375
EQUIPMENT (EQ)	2500	1500	2000	6000
LARGEST MOTOR (LM)	1250	0	0	1250
LIGHT AND CONT (LCL)	23343	22090	27190	72623
DESIGN LOAD PHASE SUB-TOTAL	27218	23715	29315	80248

TOTAL CONNECTED LOAD VA:	65398
MAX CONNECTED PHASE AMPS:	86.1
TOTAL DESIGN LOAD VA:	80248
MAX DESIGN PHASE AMPS:	105.8
NOTES:	

E4D2A	E4L1T-7C

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

NO.	DATE	BY	REVISIONS	APP

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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

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.	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
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
(N) 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)
EQUIPMENT (EQ)	1134	1160	1570	3864
LIGHT AND CONT (LCL)	7124	5406	2200	14730
DESIGN LOAD PHASE SUB-TOTAL	8258	6566	3770	18594

TOTAL CONNECTED LOAD VA:	15648
MAX CONNECTED PHASE AMPS:	24.7
TOTAL DESIGN LOAD VA:	18594
MAX DESIGN PHASE AMPS:	29.8
NOTES:	

(E) 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		
(N) 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 /201E/213E
		0		11	C	12	20/1	1858	LCL	Z11-101E:103E/105E/110E/114E/116E/131E Z11-142E:144E/152E
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)
(None)	0	1131	1131	2262
EQUIPMENT (EQ)	10379	14207	11054	35640
LIGHT AND CONT (LCL)	8105	8289	7448	23841
DESIGN LOAD PHASE SUB-TOTAL	18484	23627	19633	61744

TOTAL CONNECTED LOAD VA:	56523
MAX CONNECTED PHASE AMPS:	78.5
TOTAL DESIGN LOAD VA:	61744
MAX DESIGN PHASE AMPS:	85.3
NOTES:	

E4L1T-17D	E4L1T-18R

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

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
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OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

EM 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.	163
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	E8.23

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: 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		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	(N)
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)
EQUIPMENT (EQ)	1900	1500	2160	5560
RECEPTACLES (REC)	900	1085	540	2525
DESIGN LOAD PHASE SUB-TOTAL	2800	2585	2700	8085

TOTAL CONNECTED LOAD VA:	8085
MAX CONNECTED PHASE AMPS:	23.3
TOTAL DESIGN LOAD VA:	8085
MAX DESIGN PHASE AMPS:	23.3
NOTES:	

(E) 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	(N)
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	(N)
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	(N)
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)
EQUIPMENT (EQ)	5800	5935	4040	15775
LIGHT AND CONT (LCL)	1150	625	0	1775
RECEPTACLES (REC)	3632	3250	3812	10693
DESIGN LOAD PHASE SUB-TOTAL	10582	9810	7852	28243

TOTAL CONNECTED LOAD VA:	28665
MAX CONNECTED PHASE AMPS:	88.7
TOTAL DESIGN LOAD VA:	28243
MAX DESIGN PHASE AMPS:	88.1
NOTES:	

2P1C-C41	2D2BA

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
EXPIRES: 12/31/2026 7/14/26

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
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	E8.30

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

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: 2D2A			VOLTAGE(V): 208Y/120V - 3PH-4W							BUS RATING(A): 225
AVAILABLE FAULT(A): 3176	MAIN: Breaker 150		MOUNTING: Surface							ENCLOSURE: NEMA 1
DESCRIPTION	DEMAND	VA	BKR A/P	CKT		CKT	BKR A/P	VA	DEMAND	DESCRIPTION
EWC-1	EQ	1000	20/1	1	A	2	20/1	900	REC	RECEPT K2600B
RECEPT D2600B	REC	1080	20/1	3	B	4	20/1	900	REC	RECEPT K2624
D2644 RECEPT	REC	1000	20/1	5	C	6	20/1	1080	REC	RECEPT K2620
D2644 RECEPT	REC	1000	20/1	7	A	8	20/1	900	REC	RECEPT K2640
D2644 RECEPT	REC	900	20/1	9	B	10	20/1	900	REC	RECEPT K2640
(N) 4LDC2D-41D-A LCP POWER	EQ	150	20/1	11	C	12	20/1	900	REC	RECEPT K2638
D2643 RECEPT	REC	1000	20/1	13	A	14	20/1	900	REC	RECEPT K2658
D2643 RECEPT	REC	1000	20/1	15	B	16	20/1	900	REC	RECEPT K2658
D2643 RECEPT	REC	1000	20/1	17	C	18	20/1	750	REC	RECEPT K2666
RESTROOM FLUSH CONT	EQ	450	20/1	19	A	20	20/1	750	REC	RECEPT K2666
(N) D2647 COMPANION CARE	EQ	640	20/1	21	B	22	20/1	750	REC	RECEPT K2666
D2648 TP-102	EQ	120	20/1	23	C	24	20/1	920	LCL	MURAL ACCENT LIGHTING
LUTRON CONTROL	LCL	0	20/1	25	A	26	20/1	320	REC	PLUG STRIP IN COM ROOM
SPARE (TO JBOX SW CORNER OF D9)		0	20/1	27	B	28	20/1	380	REC	PLUG STRIP IN COM ROOM
SPARE (TO JBOX SW CORNER OF D9)		0	20/1	29	C	30	20/1	0	EQ	HAMBURGER COOKER
BEER CART	EQ	1000	20/1	31	A	32	20/1	1000	EQ	ESPRESSO MACH.
YOGURT MACHINE 240V	EQ	500	30/2	33	B	34	20/1	1420	EQ	FIS SIGNS
		500		35	C	36	20/1	1180	EQ	FIS SIGNS
HEAT TAPE **	EQ	1000	20/2	37	A	38	20/1	1100	EQ	FIS SIGNS
		1000		39	B	40	20/1	500	EQ	FIS SIGNS
P.P.2 **	EQ	250	20/1	41	C	42		0		

DEMAND CATEGORY	A PH(VA)	B PH(VA)	C PH(VA)	TOTAL(VA)
EQUIPMENT (EQ)	5600	4060	2050	13710
LIGHT AND CONT (LCL)	0	0	1150	1150
RECEPTACLES (REC)	3807	4377	3352	13100
DESIGN LOAD PHASE SUB-TOTAL	9407	8437	6552	27960

TOTAL CONNECTED LOAD VA:	27960
MAX CONNECTED PHASE AMPS:	77.6
TOTAL DESIGN LOAD VA:	34950
MAX DESIGN PHASE AMPS:	97.0
NOTES:	

(E) DESIGNATION: 2P1T-7C			VOLTAGE(V): 208Y/120V - 3PH-4W							BUS RATING(A): 225
AVAILABLE FAULT(A): 3037	MAIN: Breaker 150		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	EQ	SPARE
SPARE		0	20/1	5	C	6	20/1	0	EQ	SPARE
SPARE		0	20/1	7	A	8	20/1	0	EQ	SPARE
SPARE		0	20/1	9	B	10	20/1	0	EQ	SPARE
SPARE		0	20/1	11	C	12	20/1	1000	EQ	(N) T1TE06 HAND DRYER
SPARE		0	20/1	13	A	14	20/1	1000	EQ	T1TE06 HAND DRYER
EMV-103	EQ	120	20/1	15	B	16	20/1	1000	EQ	T1TE04 HAND DRYER
COMMON USE BAG CLAIM 4	EQ	1000	20/1	17	C	18	20/1	1000	EQ	T1TE04 HAND DRYER
SPARE		0	20/1	19	A	20	20/1	720	REC	T1TE06 & T1TE07 RECEPT
SPARE		0	20/1	21	B	22	20/1	730	REC	T1TE04 RECEPT & TOWEL DISPENSER
SPARE		0	20/1	23	C	24	20/1	570	REC	T1TE06 RECEPT & TOWEL DISPENSER
SPARE		0	30/2	25	A	26	20/1	760	REC	T1TE04 RECEPT & TOWEL DISPENSER
		0		27	B	28	20/1	1000	EQ	EWC
SPARE		0	20/1	29	C	30	20/1	1440	EQ	BAG CLAIM #2 & #3 FLR BOX & PODIUM
SPARE		0	20/1	31	A	32	20/1	720	EQ	BAG CLAIM
SPARE		0	20/1	33	B	34	20/1	1000	EQ	ATM; PHONE; CHANGE MACHINE
SPARE		0	15/2	35	C	36	20/1	1000	EQ	EWC
		0		37	A	38	20/1	0		SPARE
SPARE		0	15/2	39	B	40	40/2	0		SPARE
		0		41	C	42		0		

DEMAND CATEGORY	A PH(VA)	B PH(VA)	C PH(VA)	TOTAL(VA)
EQUIPMENT (EQ)	1720	1000	3000	5720
RECEPTACLES (REC)	760	730	570	2060
DESIGN LOAD PHASE SUB-TOTAL	2480	1730	3570	7780

TOTAL CONNECTED LOAD VA:	7780
MAX CONNECTED PHASE AMPS:	29.7
TOTAL DESIGN LOAD VA:	7780
MAX DESIGN PHASE AMPS:	29.7
NOTES:	

2D2A	2P1T-7C

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

NO.	DATE	BY	REVISIONS	APP
NO.	DATE	BY	REVISIONS	APP

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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

208V 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.	165
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	E8.31

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			
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	
(N) 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 (N)	
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 (N)	
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)
EQUIPMENT (EQ)	1700	1250	2950	5900
RECEPTACLES (REC)	3377	1540	2540	7457
DESIGN LOAD PHASE SUB-TOTAL	5077	2790	5490	13357

TOTAL CONNECTED LOAD VA:	13400
MAX CONNECTED PHASE AMPS:	45.7
TOTAL DESIGN LOAD VA:	13357
MAX DESIGN PHASE AMPS:	45.7
NOTES:	

2P2T-15E-C

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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REGISTERED PROFESSIONAL ENGINEER 44775PE OREGON JULY 13, 1995 GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

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

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	
(N) 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	
(N) 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)
EQUIPMENT (EQ)	250	650	400	1300
RECEPTACLES (REC)	2880	3467	2880	9227
DESIGN LOAD PHASE SUB-TOTAL	3130	4117	3280	10527

TOTAL CONNECTED LOAD VA:	10660
MAX CONNECTED PHASE AMPS:	35.4
TOTAL DESIGN LOAD VA:	10527
MAX DESIGN PHASE AMPS:	34.3
NOTES:	

(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 (N)	
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)
EQUIPMENT (EQ)	6060	6181	3120	15361
LIGHT AND CONT (LCL)	0	0	2626	2626
RECEPTACLES (REC)	180	900	2480	3560
DESIGN LOAD PHASE SUB-TOTAL	6240	7081	8226	21547

TOTAL CONNECTED LOAD VA:	21022
MAX CONNECTED PHASE AMPS:	64.1
TOTAL DESIGN LOAD VA:	21547
MAX DESIGN PHASE AMPS:	68.5
NOTES:	

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

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

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER 44775PE OREGON JULY 13, 1995 GRANT R. PARTHEMER 7/14/26

EXPIRES: 12/31/2026

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.	E8.33

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: 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)
EQUIPMENT (EQ)	1863	1503	826	4192
LIGHT AND CONT (LCL)	750	125	0	875
RECEPTACLES (REC)	0	720	660	1380
DESIGN LOAD PHASE SUB-TOTAL	2613	2348	1486	6447

TOTAL CONNECTED LOAD VA:	6272
MAX CONNECTED PHASE AMPS:	20.5
TOTAL DESIGN LOAD VA:	6447
MAX DESIGN PHASE AMPS:	21.8

NOTES:

2P2E-3D

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
EXPIRES: 12/31/2026
7/14/26

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

208V PANEL SCHEDULES 5 - ELECTRICAL

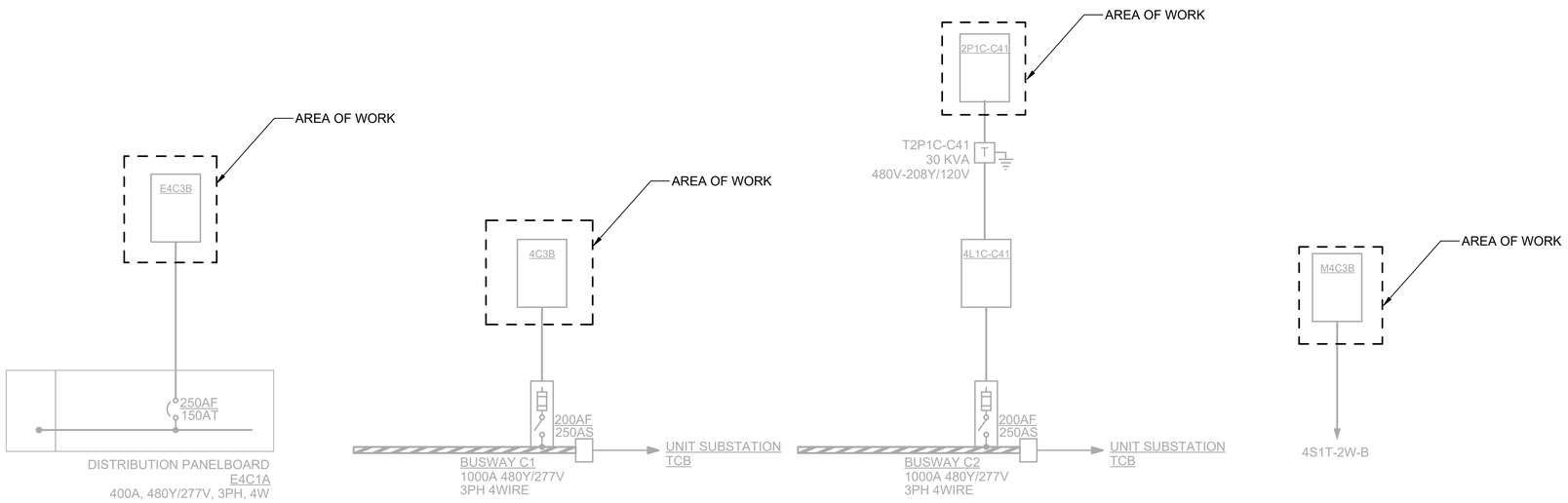
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. NGUYEN
DRAWN BY	A. NGUYEN
CHECKED BY	J. MUTSCHLER
DATE	JULY 2026
SHEET NO.	168
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	E8.34

light gray
dark gray
black

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 EXISTING TO REMAIN UNLESS OTHERWISE NOTED.



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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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

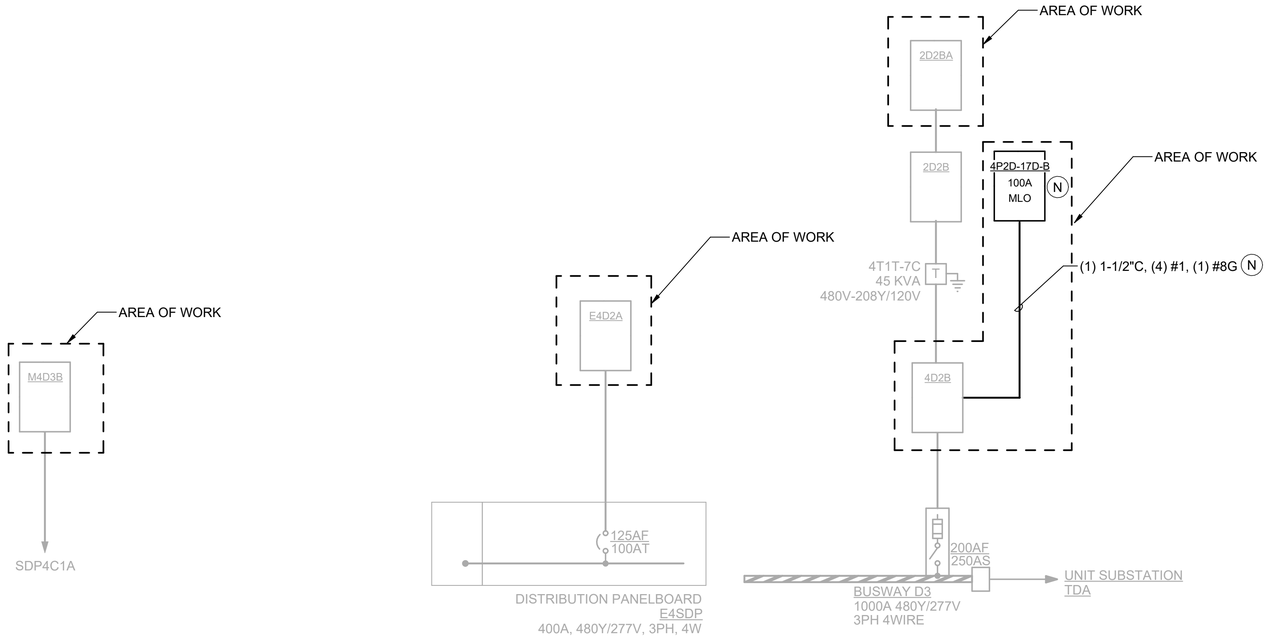
PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

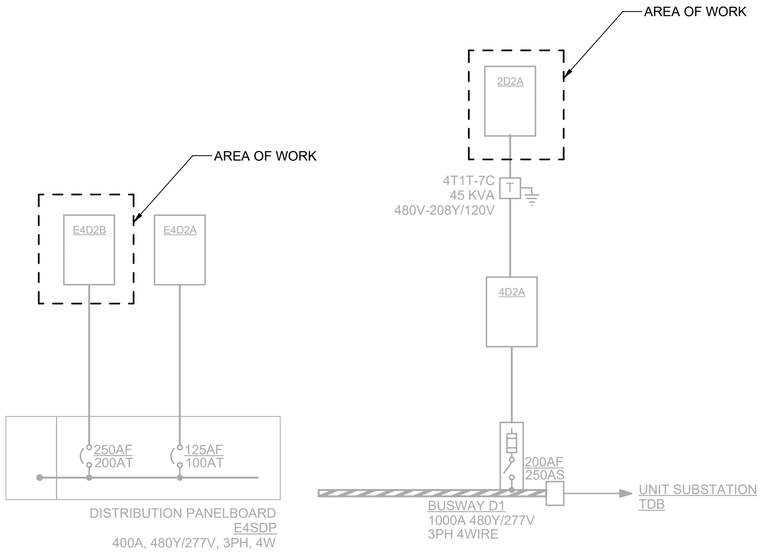
CONCOURSE C PARTIAL ONE LINES - ELECTRICAL

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.	E9.01

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 D2221, D2222, D2223 PARTIAL ONE LINE - ELECTRICAL
SCALE: N.T.S.



2 D24020 PARTIAL ONE LINE - ELECTRICAL
SCALE: N.T.S.

NOTES

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

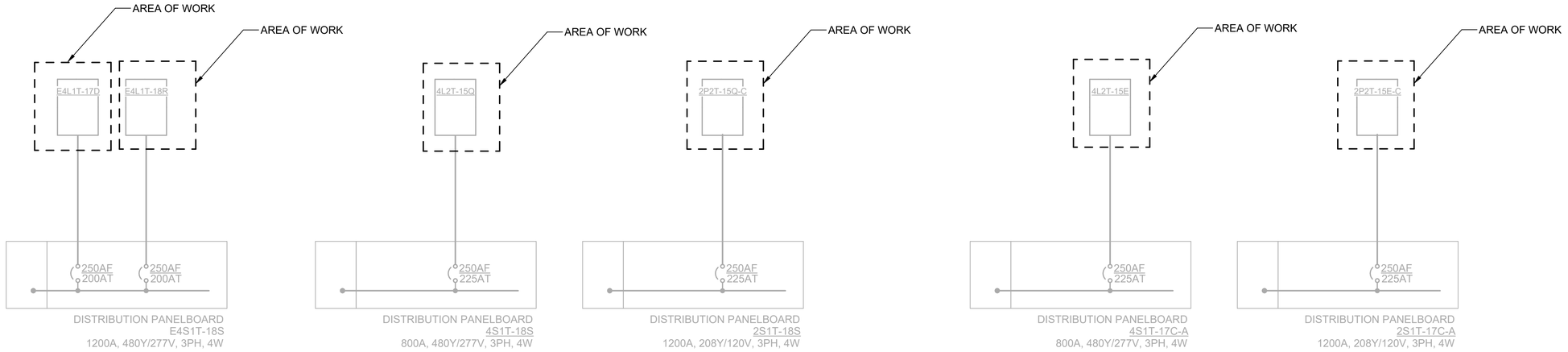
TERMINAL RESTROOM REHABILITATION 2026

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.	PDX 2026-510
DISC. SHT. NO.	E9.02

DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".
GRAPHIC SCALE-FOR REFERENCE ONLY
0 1/8" 1/2" 1" 2"

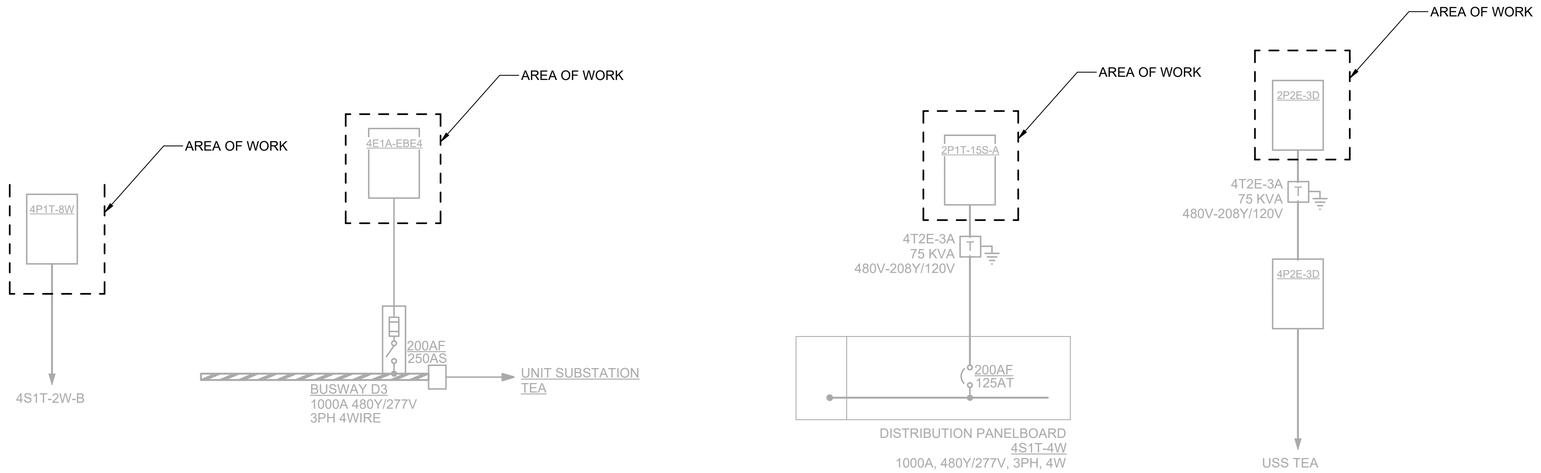
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



1 T2TQ48, T2TQ66, T2TC66, T1TD44 PARTIAL ONE LINE - ELECTRICAL
SCALE: N.T.S.

NOTES

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



3 T2TS40 PARTIAL ONE LINE - ELECTRICAL
SCALE: N.T.S.

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
MAIN TERMINAL 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.	171
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	E9.03

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

light gray

dark gray

black

ABBREVIATIONS

ABF	AIRBLOWN FIBER
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AN	ANALOG
ARCH	ARCHITECT / ARCHITECTURAL
ARM	ARMORED
AVC	AUDIOVISUAL CONTRACTOR
BBC	BACKBONE BONDING CONDUCTOR (GE)
BCT	BONDING CONDUCTOR FOR TELECOMMUNICATIONS (TBC)
BDF	BUILDING DISTRIBUTION FACILITY
BET	BUILDING ENTRANCE TERMINAL (PET)
BOC	BOTTOM OF CONDUIT
BOCT	BOTTOM OF CABLE TRAY
BTP	BALANCED TWISTED PAIR (COPPER)
C	CONDUIT
CAM	CAMERA
CATV	COMMUNITY ACCESS TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CF	CELLULAR FLOOR
CLG	CEILING
CO	CENTRAL OFFICE
CPE	CUSTOMER PREMISE EQUIPMENT
DAS	DISTRIBUTED ANTENNA SYSTEM
dB	DECIBEL
DB	DUCTBANK
DEMARC	DEMARCATION POINT
DN	DOWN
EQ	EQUAL DISTANCE
EC	ELECTRICAL CONTRACTOR
EF	ENTRANCE FACILITY
EMC	ELECTROMAGNETIC COMPATIBILITY
EMERG	EMERGENCY
EMI	ELECTROMAGNETIC INTERFERENCE
EMT	ELECTRICAL METALLIC TUBING
EP	ENTRANCE POINT (OUTSIDE PLANT)
EPO	EMERGENCY POWER OFF
ER	EQUIPMENT ROOM
ERCES	EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEMS
FACP	FIRE ALARM CONTROL PANEL
FCIC	FURNISHED BY CONTRACTOR INSTALLED BY CONTRACTOR
FO	FIBER OPTIC
FOIC	FURNISHED BY OWNER INSTALLED BY CONTRACTOR
FOIO	FURNISHED BY OWNER INSTALLED BY OWNER
GC	GENERAL CONTRACTOR
GE	GROUNDING EQUALIZER (BBC)
GHz	GIGAHERTZ
GPON	GIGABIT PASSIVE OPTICAL NETWORK
GRC	GALVANIZED RIGID CONDUIT
GRD	GROUND
HH	HANDHOLE
Hz	HERTZ
IDF	INTERMEDIATE DISTRIBUTION FRAME
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
JB	JUNCTION BOX
LEC	LOCAL EXCHANGE CARRIER
MATV	MASTER ANTENNA TELEVISION
MDF	MAIN DISTRIBUTION FRAME
MECH	MECHANICAL
MH	MAINTENANCE HOLE (OUTSIDE PLANT)
MHz	MEGAHERTZ
MPOE	MINIMUM POINT OF ENTRY
NIC	NOT IN CONTRACT
NVR	NETWORK VIDEO RECORDER
OFC	OPTICAL FIBER CABLE

DESIGNATION SYMBOLS

--- / 123	EQUIPMENT DESIGNATORS SEE SCHEDULE.
E / X	EXISTING TO REMAIN, EXISTING TO BE REMOVED
R / F	EXISTING TO BE RELOCATED, FUTURE
	CONNECT TO
1	NOTE
1	REVISION NOTE
X / XX.XX	DETAIL CALLOUT
SYMBOL	DEVICE MOUNTED ABOVE COUNTER

ABBREVIATIONS CONT.

OLT	OPTICAL LINE TERMINAL
ONT	OPTICAL NETWORK TERMINAL
OSP	OUTSIDE PLANT
PA	PUBLIC ADDRESS
PB	PULLBOX
PBB	PRIMARY BONDING BUSBAR (TMGB)
PET	PROTECTED ENTRANCE TERMINAL (BET)
PMV	PROJECT MANAGER VERIFICATION
POE	POWER OVER ETHERNET
PON	PASSIVE OPTICAL NETWORK
POTS	PLAIN OLD TELEPHONE SERVICE
PVC	POLYVINYL CHLORIDE CONDUIT
PWR	POWER
R/W	RIGHT OF WAY
RAD	RADIUS
RG	RADIO GRADE
SBB	SECONDARY BONDING BUSBAR (TGB)
SBN	SUPPLEMENTARY BONDING NETWORK
SCH40	SCHEDULE 40 PVC CONDUIT
SCH80	SCHEDULE 80 PVC CONDUIT
TBB	TELECOMMUNICATION BONDING BACKBONE
TBC	TELECOMMUNICATION BONDING CONDUCTOR (BCT)
TE	TELECOMMUNICATION ENCLOSURE
TGB	TELECOMMUNICATION GROUNDING BUSBAR (SBB)
TMGB	TELECOMMUNICATION MAIN GROUNDING BUSBAR (PBB)
TO	TELECOMMUNICATIONS OUTLET
TR	TELECOMMUNICATIONS ROOM
TTB	TELEPHONE TERMINAL BOARD
TTC	TELEPHONE TERMINAL CABINET
TV	TELEVISION
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
W	WATTS
WAO	WORK AREA OUTLET
WAP	WIRELESS ACCESS POINT
WP	WEATHER PROOF

PATHWAYS

	CONDUIT RISE
	CONDUIT DROP
	CONDUIT
	UNDERGROUND CONDUIT
	CONTINUATION, STUB, HOMERUN
	AERIAL
J	JUNCTION BOX
PB	"PB" PULL BOX, "VT" VAULT/MAINTENANCE, "HH" HAND HOLE
UP	UTILITY POLE
	CABLE TRAY: LADDER
	CABLE TRAY: WIRE MESH
	CABLE TRAY: SOLID BOTTOM
J — J	OPEN RUN CABLE PATHWAY
CT: 12"x4" / BOCT: 8'-6"	CABLE TRAY TYPE, SIZE, AND BOTTOM OF CABLE TRAY CALLOUT. "CT" CABLE TRAY, "CR" CABLE RUNWAY, "WM" WIRE MESH
2" / BOC: 8'-6" (TYP 4)	SIZE, BOTTOM OF CONDUIT CALLOUT, (QUANTITY)

SECURITY

101 / A / B	DOOR REQUIRING ELECTRONIC SECURITY: "101" INDICATES DOOR NUMBER, "A" AND "B" INDICATES SECURED/NON-SECURED SIDES OF DOOR. SEE SCHEDULE FOR ADDITIONAL REQUIREMENTS.
CR B,P,M	CREDENTIAL READER: "B" COMBINATION BIOMETRIC AND CARD READER, "P" COMBINATION KEYPAD AND CARD READER, "B,P" COMBINATION BIOMETRIC/KEYPAD/CARD READER, "M" MAG-STRIPE READER
CR	CREDENTIAL READER, WIRELESS
PIM	WIRELESS PANEL INTERFACE MODULE
VP	VEHICLE CREDENTIAL READER
OB	DOOR OPERATOR (ADA) BUTTON
RB	DOOR RELEASE BUTTON
	DOOR CONTACT
KP I,A	KEYPAD: "I" INTRUSION ALARM, "A" ACCESS CONTROL
DB W,D	DURESS ALARM BUTTON: WALL, UNDER DESK/COUNTER
MS MS	MOTION SENSOR: WALL, CEILING
GB GB	GLASS BREAK DETECTOR: WALL, CEILING
	STROBE: WALL, CEILING
S S	SPEAKER: WALL, CEILING
S S S	SURVEILLANCE CAM., FIXED: WALL, POLE/PARAPET, CEILING
S S S	SURVEILLANCE CAM., PTZ: WALL, POLE/PARAPET, CEILING
S S S	SURVEILLANCE CAM., MULTI-SENSOR: WALL, POLE/PARAPET, CEILING
CAM:E - #	CAMERA TYPE AND NUMBER. SEE SCHEDULE FOR ADDITIONAL REQUIREMENTS.

TELECOMMUNICATIONS

	TYPICAL ALL OUTLETS: PROVIDE TWO (2) CABLES PER OUTLET (UON)
	OUTLET TYPE: DATA
	OUTLET TYPE: COMBINATION TELEPHONE/DATA
	OUTLET TYPE: TELEPHONE
E,W,#	OUTLET DESIGNATORS: "E" EQUIPMENT OUTLET, "W" TELEPHONE OUTLET WITH MOUNTING STUDS, "#" QTY OF CABLES.
	OUTLET MOUNTING: WALL, ABOVE COUNTER, CEILING
E	EMERGENCY TELEPHONE

PAGING SYMBOLS

S PA#-##	CEILING-MOUNTED LOUDSPEAKER TYPES 'PA#' INDICATES TYPE. '##' INDICATES ZONE. REFERENCE PAGING SPECIFICATION FOR SPECIFIC INFORMATION ON EACH TYPE.
S PA#-##	WALL-MOUNTED LOUDSPEAKER TYPES 'PA#' INDICATES TYPE. '##' INDICATES ZONE. REFERENCE PAGING SPECIFICATION FOR SPECIFIC INFORMATION ON EACH TYPE.
	CEILING-MOUNTED AMBIENT NOISE SENSING MICROPHONE
	WALL-MOUNTED AMBIENT NOISE SENSING MICROPHONE
NPS	DESK MOUNTED PAGING STATION
NPS	WALL MOUNTED PAGING STATION

TELECOMMUNICATIONS DEVICE IDENTIFICATION:

X X - X X - X X X - X

- (D) DEMO, (R) REPLACE, BLANK IF NEW
- CABLE IDENTIFIER
- SECTOR NUMBER
- LEVEL:
  - 00 - TUNNEL
  - 01 - DEPLANING
  - 02 - ENPLANING
  - 03 - MEZZANINE
  - 04 - ROOF

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

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NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER

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REGISTERED PROFESSIONAL ENGINEER 44775PE OREGON JULY 13, 1995 GRANT R. PARTHEMER

7/14/26

EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

SYMBOLS, LEGENDS, & ABBREVIATIONS - TECHNOLOGY

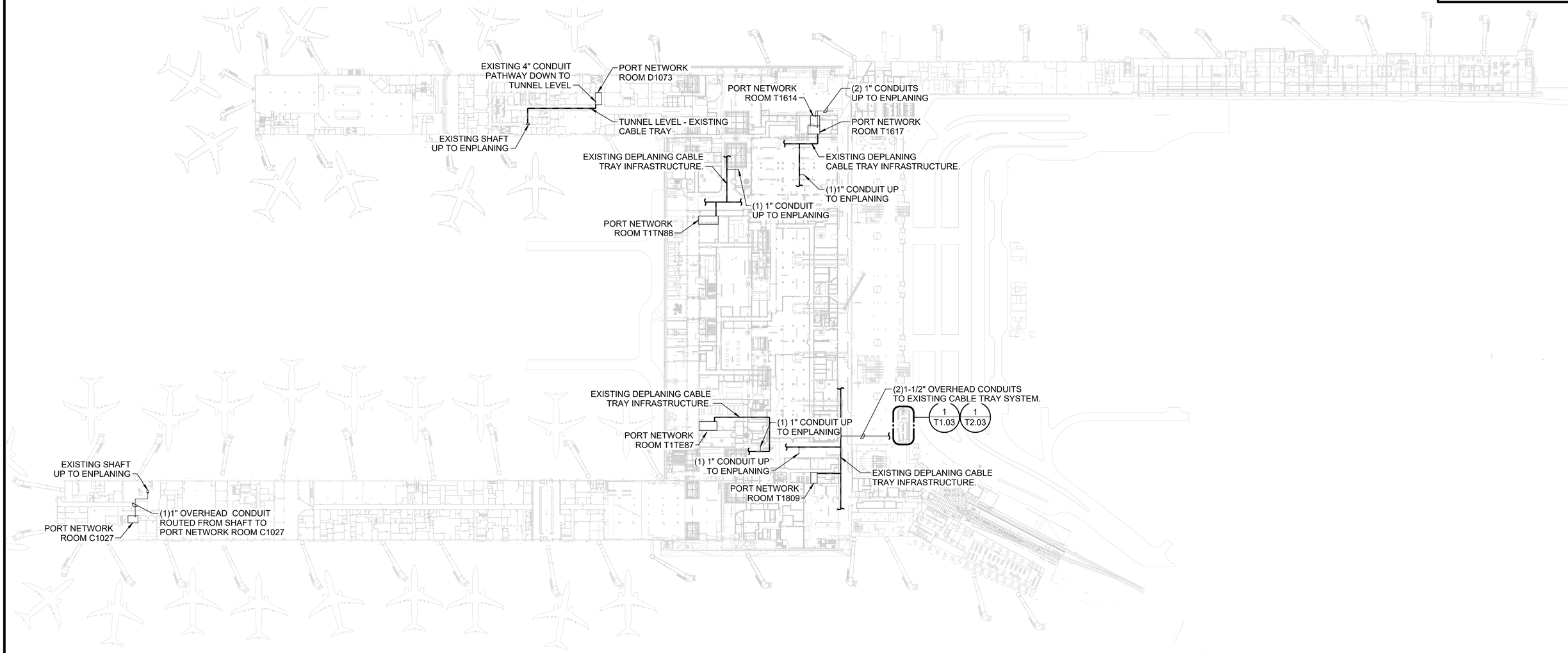
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. PULVER
DRAWN BY	B. PARTHEMER
CHECKED BY	R. LALUM
DATE	JULY 2026
SHEET NO.	172
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	T0.01

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.

light gray | dark gray | black

0" 50' 100' 200' 300'

SCALE: IN FEET



1 DEPLANING - KEY PLAN - TECHNOLOGY
SCALE: 1" = 100'-0"

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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503.226.2921 pae-engineers.com

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

DEPLANING LEVEL - KEY PLAN - TECHNOLOGY

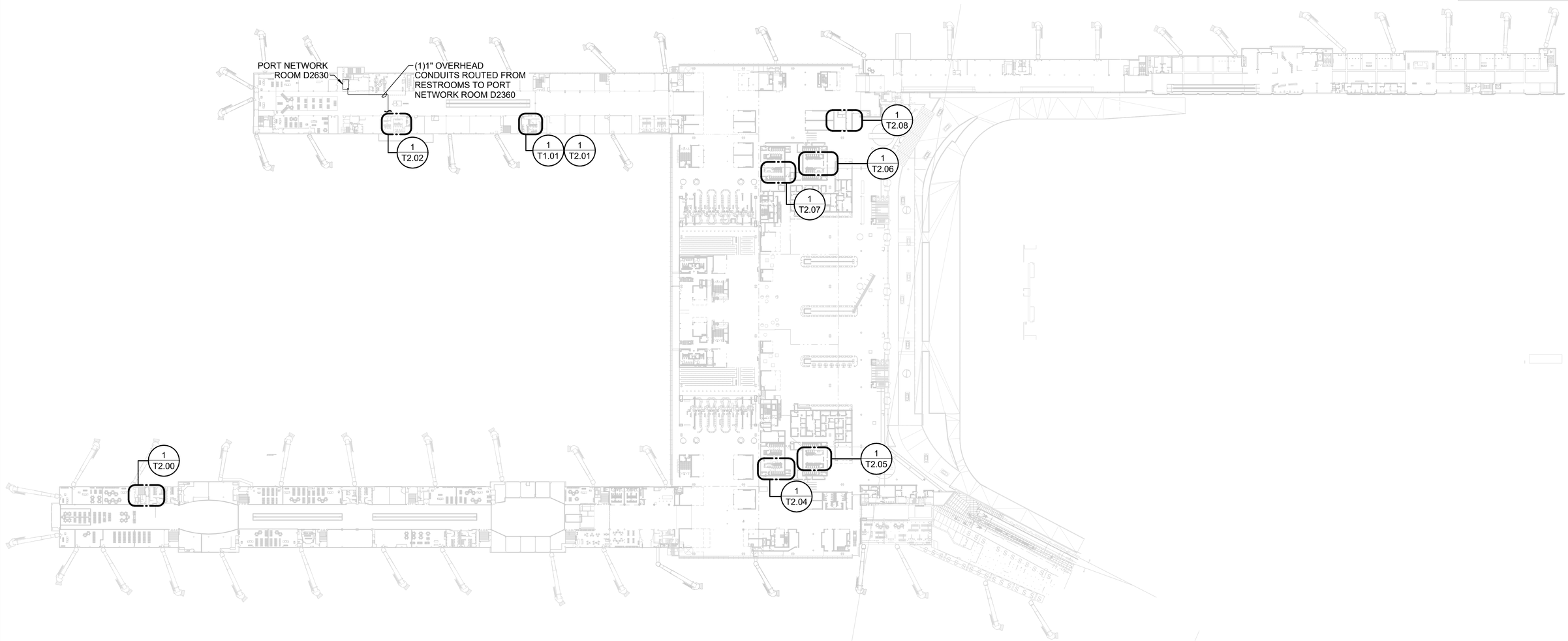
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. PULVER
DRAWN BY	B. PARTHEMER
CHECKED BY	R. LALUM
DATE	JULY 2026
SHEET NO.	173
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	T0.10

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.

light gray | dark gray | black

0" 50' 100' 200' 300'

SCALE: IN FEET



1 ENPLANING - KEY PLAN - TECHNOLOGY
SCALE: 1" = 100'-0"

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

NO.	DATE	BY	REVISIONS	APP

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OREGON
JULY 13, 1993
GRANT R. PARTHEMER
7/14/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

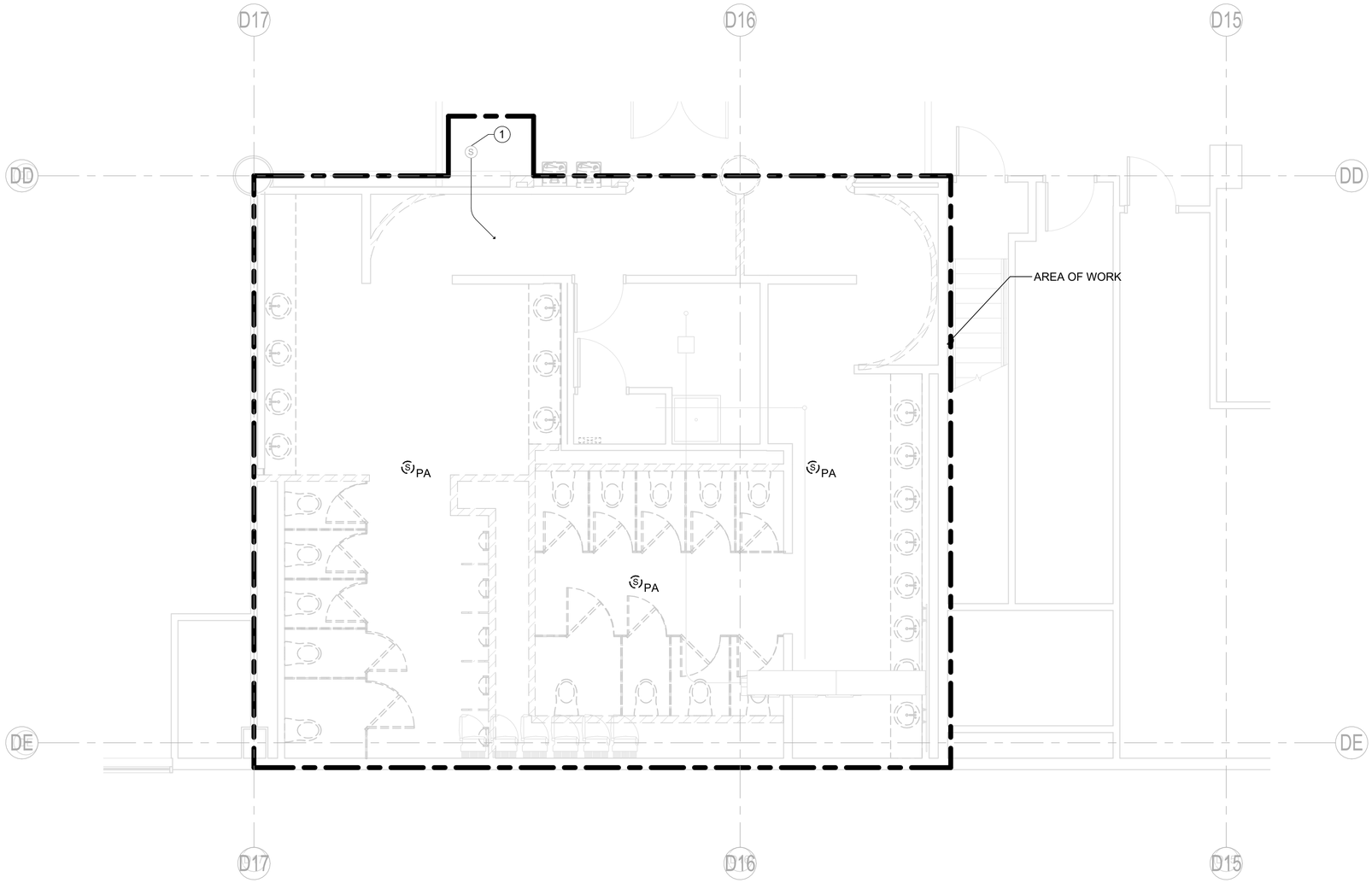
ENPLANING LEVEL - KEY PLAN - TECHNOLOGY

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. PULVER
DRAWN BY	B. PARTHEMER
CHECKED BY	R. LALUM
DATE	JULY 2026
SHEET NO.	174
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	T0.20

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.

light gray
dark gray
black

0' 2' 4' 8' 12'
SCALE: IN FEET



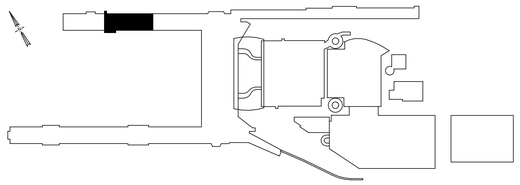
NOTES

A. PAGING CIRCUIT AND OPERATION TO BE MAINTAINED FOR CONNECTED DEVICES OUTSIDE OF AREA OF WORK.

B. DEMO SPEAKERS, CABLING, AND SPEAKER CONDUIT WITHIN AREA OF WORK.

KEY NOTES (#)

1. DEMO SPEAKER CABLING AND CONDUIT TO EXISTING SPEAKER JUNCTION BOX.



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

NO.	DATE	BY	REVISIONS	APP

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TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE D - ENPLANING - SECTOR 2 - D2221, D2222, D2223 - DEMO PLAN - TECHNOLOGY

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. PULVER
DRAWN BY	B. PARTHEMER
CHECKED BY	R. LALUM
DATE	JULY 2026
SHEET NO.	175
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	T1.01

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

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NOTES

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

(E) DESIGNATION: 4E1G			VOLTAGE(V): 480Y/277V - 3PH-4W							BUS RATING(A): 225
AVAILABLE FAULT(A): 28538	MAIN: Breaker 200		MOUNTING: Surface							ENCLOSURE: NEMA 1
DESCRIPTION	DEMAND	VA	BKR A/P	CKT		CKT	BKR A/P	VA	DEMAND	DESCRIPTION
BAG ROAD EM LTS	LCL	1000	20/1	1	A	2	20/1	500	LCL	EMER. LIGHTS ROOM 1330
LIGHTING 1772, 1732 1733 (X)	LCL	500	20/1	3	B	4	20/1	0		SPARE
LIGHTING 1414 1418	LCL	500	20/1	5	C	6	20/1	0		SPARE
SOUTH E-LIGHTS SMOKING	LCL	500	20/1	7	A	8	20/1	0		SPARE
LOADING DOCK LTS	LCL	1000	20/1	9	B	10	20/1	0		SPARE
SPARE		0	20/1	11	C	12	20/1	0		SPARE
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
AIR COMPRESSOR #1	EQ	8000	40/3	25	A	26		0		SPACE
		8000		27	B	28		0		SPACE
		8000		29	C	30		0		SPACE
AIR COMPRESSOR #2	EQ	8000	40/3	31	A	32	30/3	0		SPARE
		8000		33	B	34		0		
		8000		35	C	36		0		
XFMR T2E1A		0	50/3	37	A	38	100/3	0		SPARE
		0		39	B	40		0		
		0		41	C	42		0		

DEMAND CATEGORY	A PH(VA)	B PH(VA)	C PH(VA)	TOTAL(VA)
EQUIPMENT (EQ)	16000	16000	16000	48000
LIGHT AND CONT (LCL)	2500	1875	625	5000
DESIGN LOAD PHASE SUB-TOTAL	18500	17875	16625	53000

TOTAL CONNECTED LOAD VA:	52000
MAX CONNECTED PHASE AMPS:	65.0
TOTAL DESIGN LOAD VA:	53000
MAX DESIGN PHASE AMPS:	66.8
NOTES:	

DESIGNATION: 4D2B			VOLTAGE(V): 480Y/277V - 3PH-4W							BUS RATING(A): 225
AVAILABLE FAULT(A): 13863	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	500	LCL	LTG WEST MEZZANINE
LTG WALL PACKS S LR-C	LCL	2600	20/1	5	C	6	20/1	2005	LCL	LTG WOMENS RESTROOM (X)
LTG SOFFIT DOWN LR-D	LCL	2300	20/1	7	A	8	20/1	1995	LCL	LTG MENS RESTROOM
LTG CIRCULATION LR-E	LCL	2300	20/1	9	B	10	70/3	0		4T3D-16E
LTG CIRCULATION LR-F	LCL	3300	20/1	11	C	12		0		
LTG CIRCULATION LR-G	LCL	1000	20/1	13	A	14		0		
LTG GATE D7 HOLD RM LR-H	LCL	2250	20/1	15	B	16	20/1	450	LCL	LTG CIRC LR-AA-BB
LTG GATE D9 HOLD RM LR-I	LCL	2250	20/1	17	C	18	20/1	375	EQ	CONTACTOR PILOT RELAY
LTG GATE D6-D8 HLD RM LR-J	LCL	3250	20/1	19	A	20	20/2	1040	LCL	POLE LIGHTS NORTH LR-M
LTG CIRC. LR-K-L	LCL	3400	20/1	21	B	22		1040		
LTG STAIR 22-25 JANIT.	LCL	1270	20/1	23	C	24	20/2	1040	LCL	POLE LIGHTS NORTH LR-N
LTG CIRC. LR-U	LCL	1200	20/1	25	A	26		1040		
LTG CIRC. LR-V	LCL	2100	20/1	27	B	28	20/2	1040	LCL	POLE LIGHTS NORTH LR-P
LTG CIRC. LR-W	LCL	2100	20/1	29	C	30		1040		
(1) AHU CWP &HWP NEW	EQ	1133	20/3	31	A	32	20/2	1040	LCL	POLE LIGHTS NORTH LR-Q
		1133		33	B	34		1040		
		1133		35	C	36	20/2	1040	LCL	POLE LIGHTS NORTH LR-R
TRANSFORMER 2D2B		0	70/3	37	A	38		1040		
		0		39	B	40	20/2	1040	LCL	POLE LIGHTS NORTH LR-S
		0		41	C	42		1040		

DEMAND CATEGORY	A PH(VA)	B PH(VA)	C PH(VA)	TOTAL(VA)
LIGHT AND CONT (LCL)	23256	22450	22106	67813
EQUIPMENT (EQ)	3633	3133	3508	10274
	21128	19470	19000	59597
DESIGN LOAD PHASE SUB-TOTAL	48017	45053	44614	137684

TOTAL CONNECTED LOAD VA:	117420
MAX CONNECTED PHASE AMPS:	141.2
TOTAL DESIGN LOAD VA:	144050
MAX DESIGN PHASE AMPS:	173.3
NOTES:	

4E1G	4D2B

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

NO.	DATE	BY	REVISIONS	APP

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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 2 - ELECTRICAL

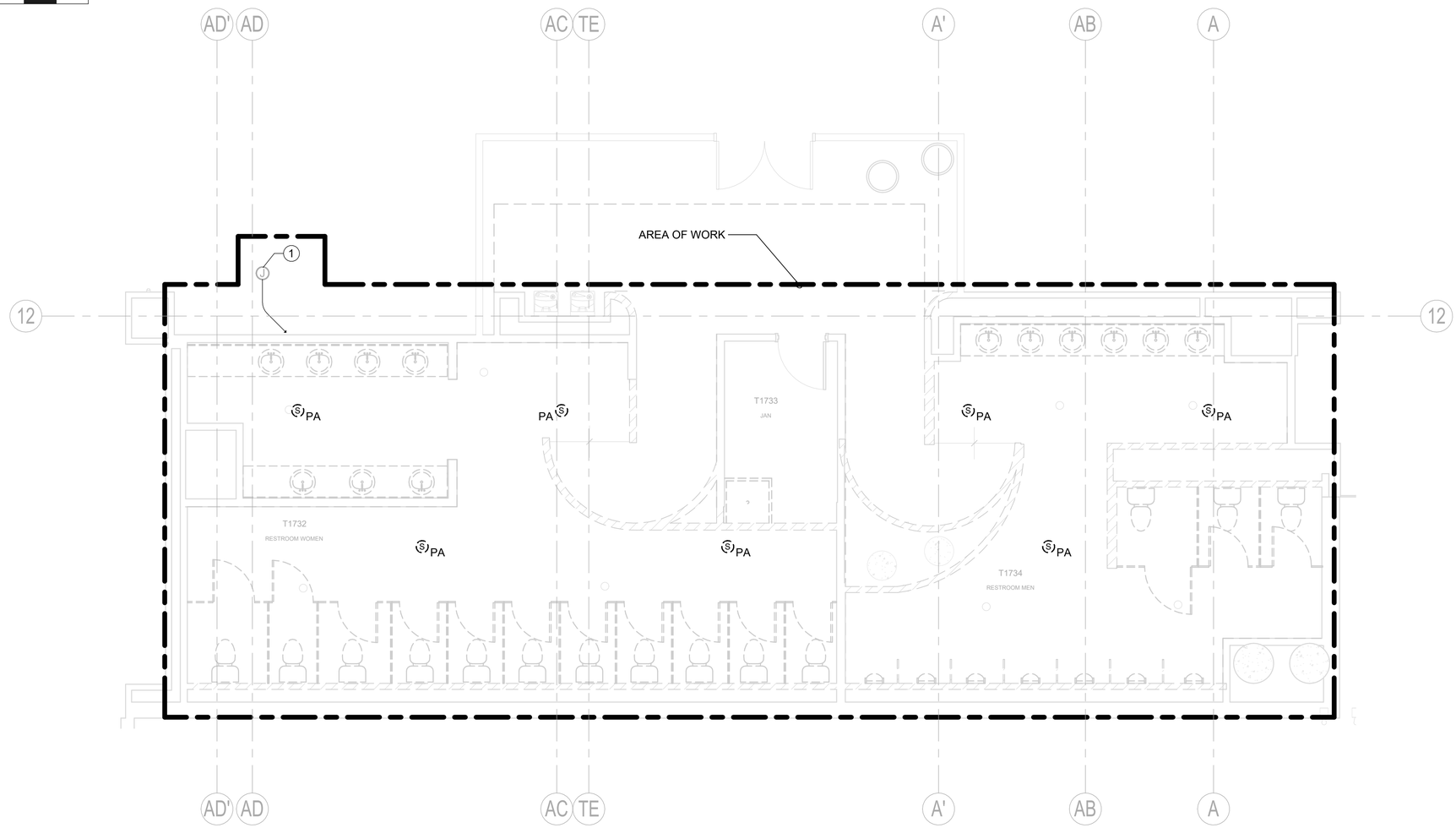
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. NGUYEN
DRAWN BY	A. NGUYEN
CHECKED BY	J. MUTSCHLER
DATE	JULY 2026
SHEET NO.	152
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	E8.02

light gray
dark gray
black

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.

0' 2' 4' 8' 12'

SCALE: IN FEET

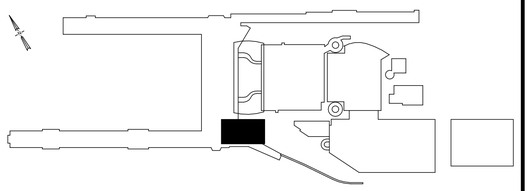


NOTES

A. ALL DEVICES ARE TO BE REMOVED IN AREA OF WORK UNLESS OTHERWISE NOTED.

KEY NOTES (#)

1. DEMO CABLING AND CONDUIT TO EDGE OF AREA OF WORK. INTERCEPT AND REUSE CABLING FOR NEW PAGING ZONE CIRCUITING. REFER TO T2.03 FOR NEW JUNCTION BOX AND CABLING REQUIREMENTS.



1 TERMINAL - SECTOR E5 - T1732, T1733, T1734 - DEPLANING - DEMO PLAN - TECHNOLOGY
SCALE: 1/4" = 1'-0"

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

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

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

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

TERMINAL - DEPLANING - SECTOR E5 - T1732, T1733, T1734 - DEMO PLAN - TECHNOLOGY

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. PULVER
DRAWN BY	A. PULVER
CHECKED BY	R. LALUM
DATE	JULY 2026
SHEET NO.	176
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	T1.03

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.

light gray | dark gray | black

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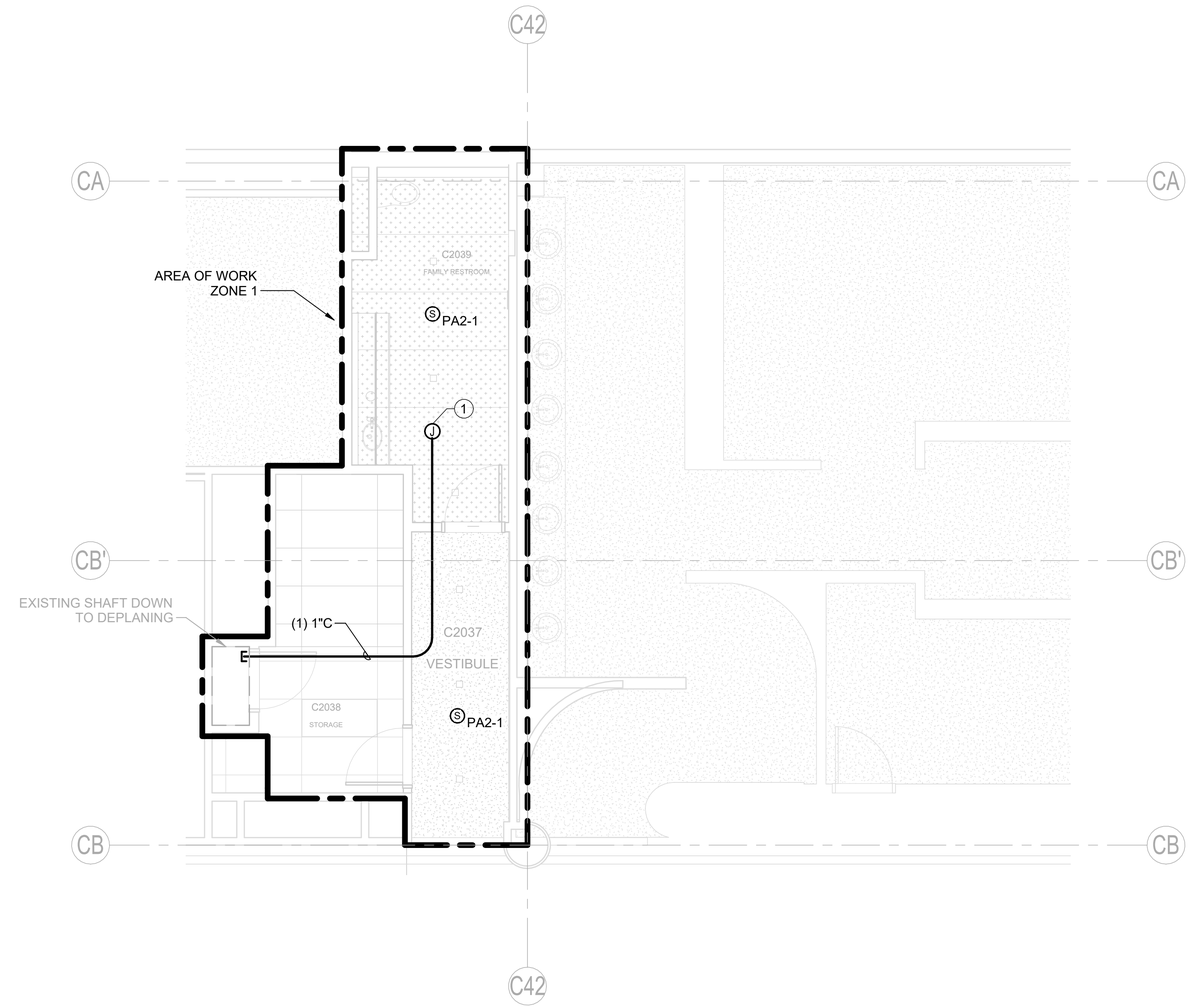


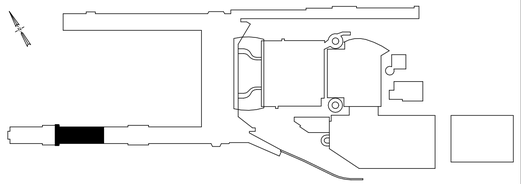
NOTES

1. ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED.
2. REFER TO T6.01 - DIAGRAMS FOR PAGING CIRCUIT CONNECTIONS.

KEY NOTES (#)

1. ABOVE CEILING JUNCTION BOX FOR PAGING CIRCUIT.

1 CONCOURSE C - ENPLANING - SECTOR 5 - C2037, C2039 - FLOOR PLAN - TECHNOLOGY
SCALE: 1/4" = 1'-0"



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OREGON
JULY 13, 1999
GRANT R. PARTHEMER
EXPIRES: 12/31/2026
7-19-26

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE C - ENPLANING - SECTOR 5 - C2037, C2039 - FLOOR PLAN - TECHNOLOGY

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. PULVER
DRAWN BY	B. PARTHEMER
CHECKED BY	R. LALUM
DATE	JULY 2026
SHEET NO.	177
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	T2.00

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

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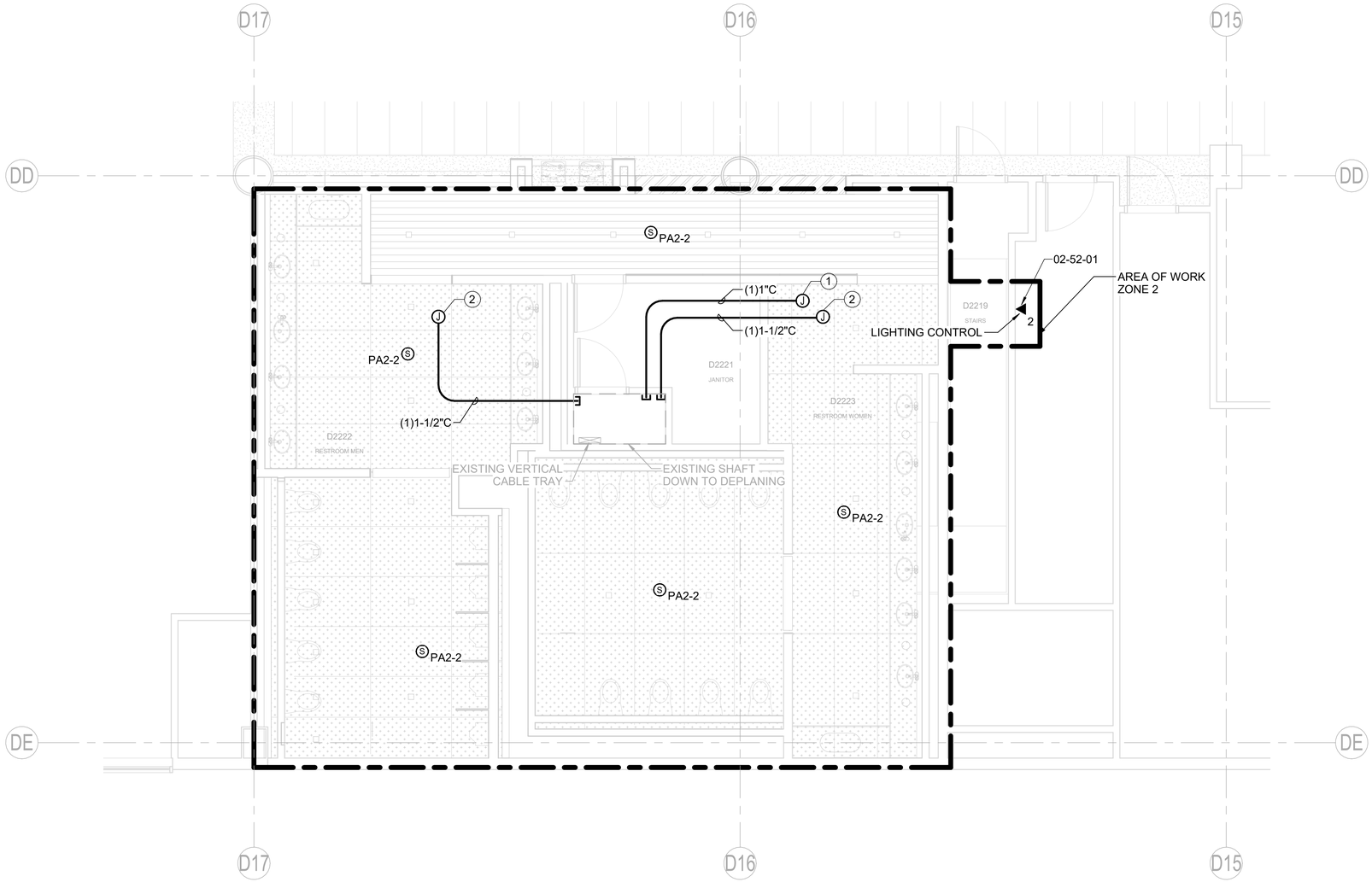
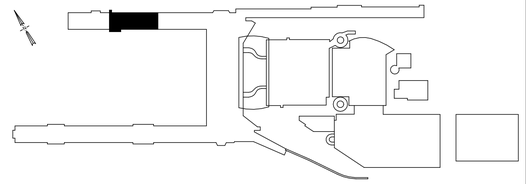


NOTES

1. ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED.
2. REFER TO T6.01 - DIAGRAMS FOR PAGING CIRCUIT CONNECTIONS.

KEY NOTES (#)

1. ABOVE CEILING JUNCTION BOX FOR PAGING CIRCUIT.
2. ABOVE CEILING JUNCTION BOX FOR FUTURE OCCUPANCY COUNTER. LABEL CEILING TILE AND JUNCTION BOX FOR FUTURE OCCUPANCY COUNTER.



1 CONCOURSE D - SECTOR 2 - D2221, D2222, D2223 - ENPLANING - CEILING PLAN - TECHNOLOGY
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GRANT R. PARTHEMER
7-19-26
EXP|RES: 12/31/2026

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TERMINAL RESTROOM REHABILITATION 2026

CONCOURSE D - ENPLANING - SECTOR 2 - D2221, D2222, D2223 - FLOOR PLAN - TECHNOLOGY

SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. PULVER		
DRAWN BY	B. PARTHEMER		
CHECKED BY	R. LALUM		
DATE	JULY 2026		
SHEET NO.	178	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	T2.01

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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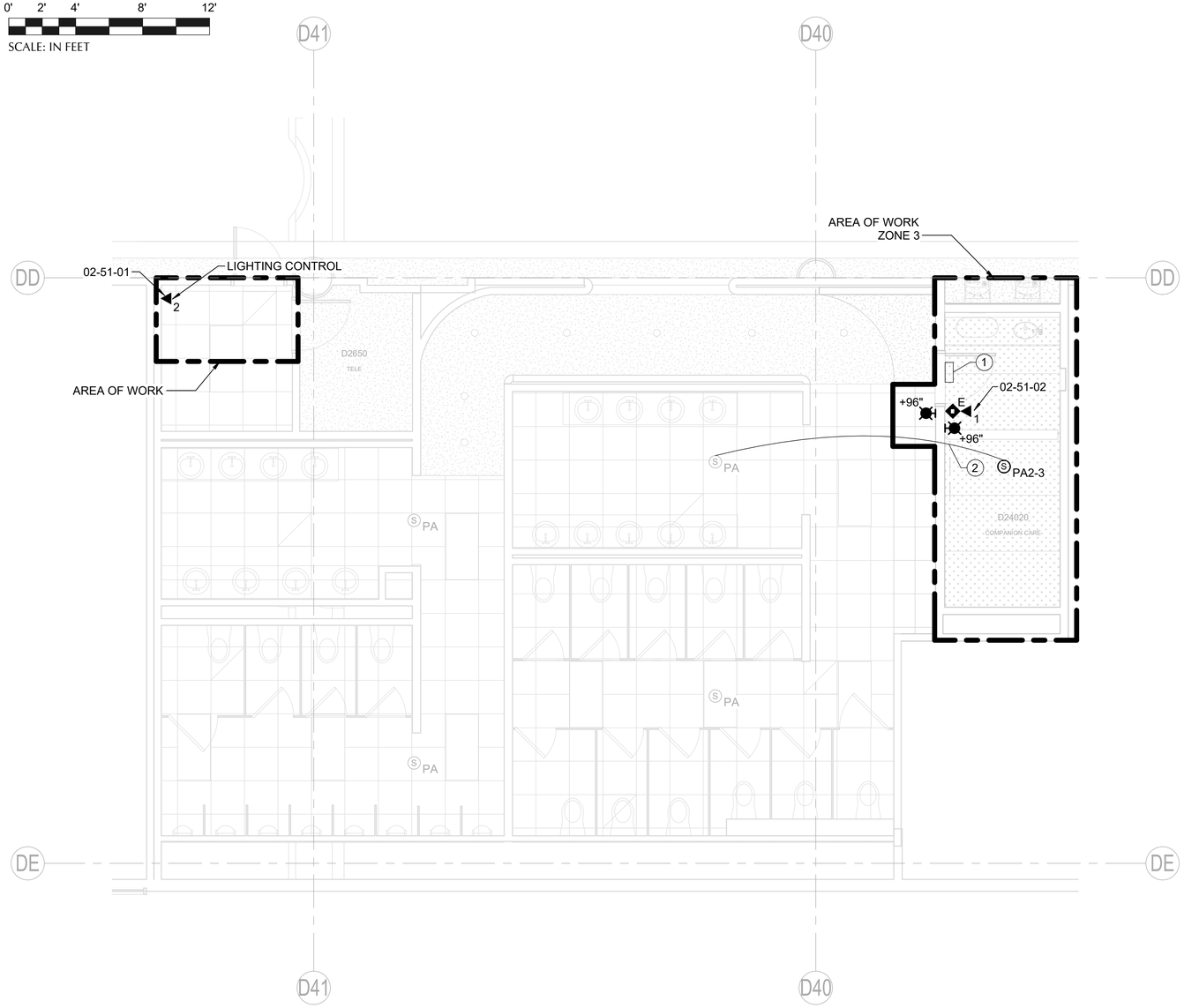


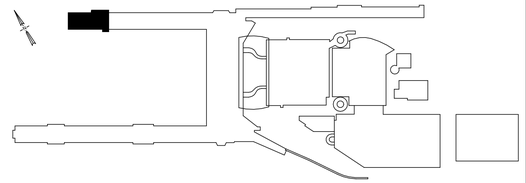
1 CONCOURSE D - SECTOR 3 - D24020 - ENPLANING - CEILING PLAN - TECHNOLOGY
SCALE: 1/4" = 1'-0"

NOTES

1. ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED.
2. REFER TO T6.01 - DIAGRAMS FOR PAGING CIRCUIT CONNECTIONS.

KEY NOTES (#)

1. ABOVE CEILING EMERGENCY PHONE BLUE LIGHT POWER SUPPLY ENCLOSURE. REFER TO T6.02, DETAIL 1 FOR CIRCUITING REQUIREMENTS.
2. CONNECT EXISTING PAGING SPEAKER TO NEW PAGING CIRCUIT. REMOVE EXISTING CIRCUIT CONNECTIONS AS REQUIRED AND PROVIDE ALL NEW CABLING, SPLICES, AND TERMINATIONS.



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OREGON
JULY 13, 1979
GRANT R. PARTHEMER
7-19-26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
CONCOURSE D - ENPLANING - SECTOR 3 - D24020 - FLOOR PLAN - TECHNOLOGY

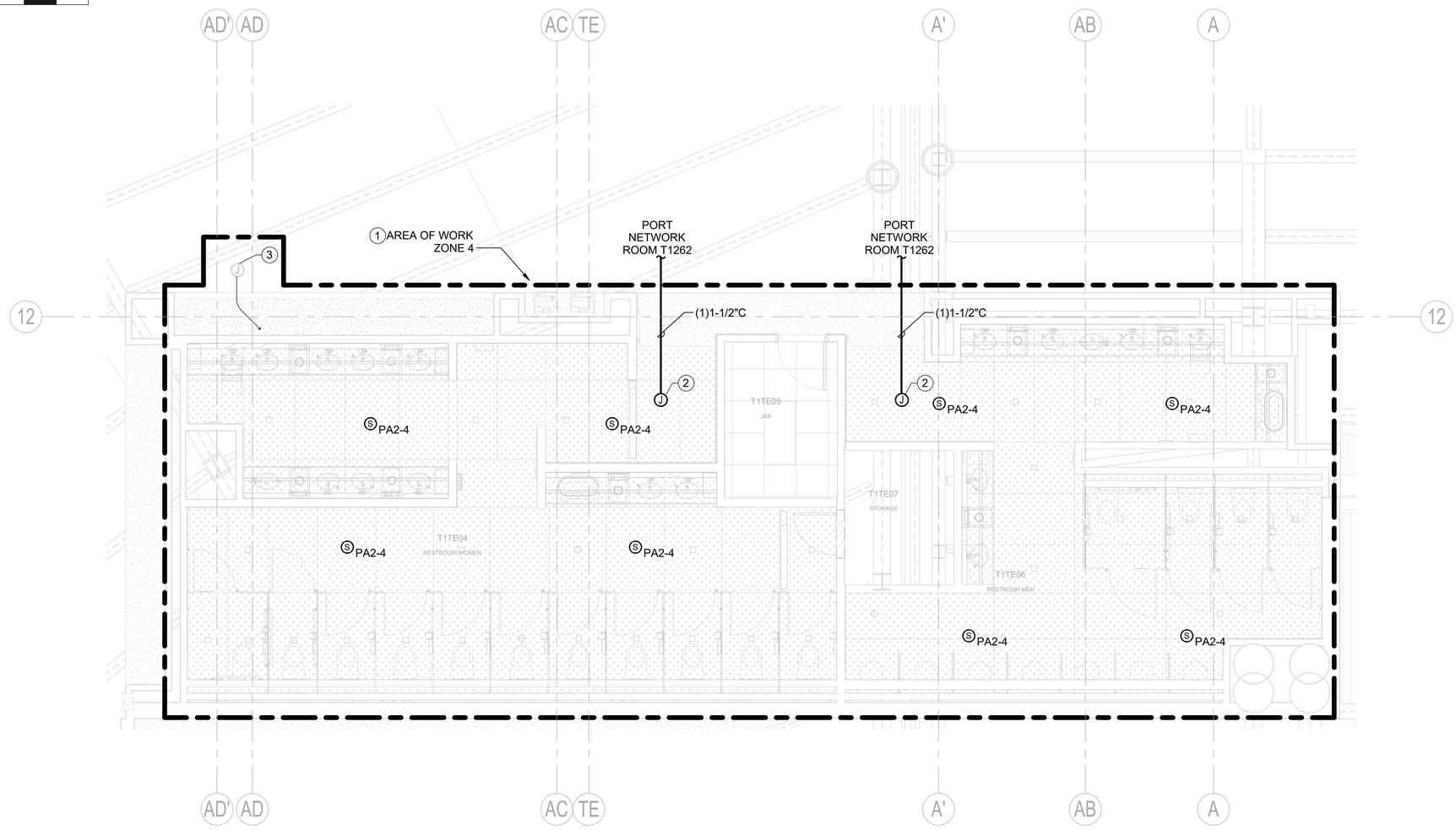
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. PULVER
DRAWN BY	B. PARTHEMER
CHECKED BY	R. LALUM
DATE	JULY 2026
SHEET NO.	179
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	T2.02

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.

light gray | dark gray | black

0' 2' 4' 8' 12'

SCALE: IN FEET



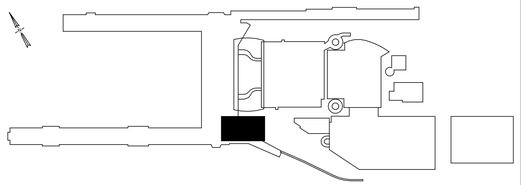
1 TERMINAL - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - DEPLANING - CEILING PLAN - TECHNOLOGY
SCALE: 1/4" = 1'-0"

NOTES

1. ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED.
2. REFER TO T6.01 - DIAGRAMS FOR PAGING CIRCUIT CONNECTIONS.

KEY NOTES (#)

1. RECONNECT ZONE TO EXISTING PAGING CIRCUIT ZONE. FIELD COORDINATE EXISTING INCOMING CIRCUIT LOCATION FOR INTERCEPTION PRIOR TO PERFORMING WORK.
2. ABOVE CEILING JUNCTION BOX FOR FUTURE OCCUPANCY COUNTER.
3. EXISTING ABOVE CEILING JUNCTION BOX FOR PAGING CIRCUIT.



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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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

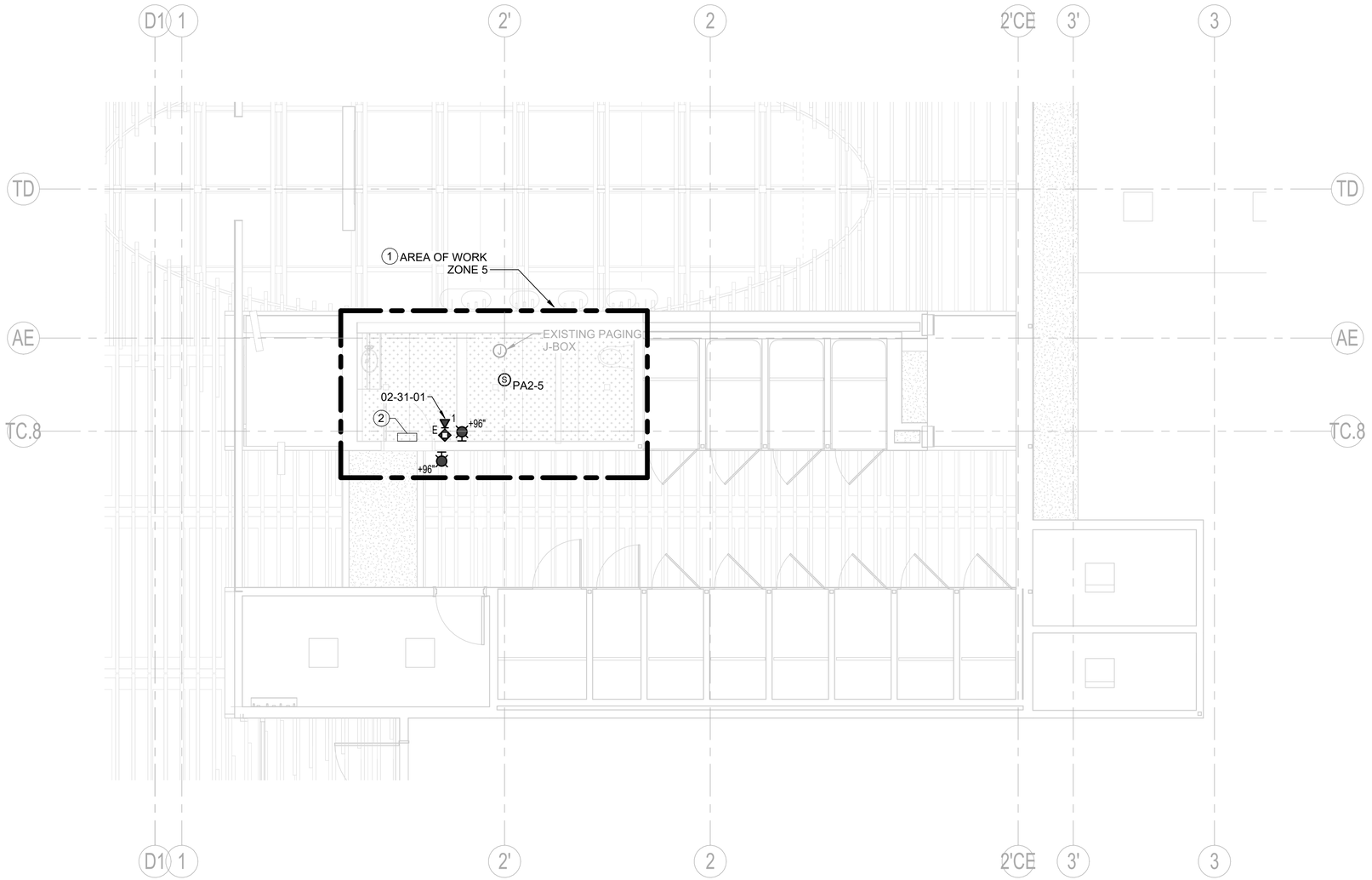
TERMINAL - DEPLANING - SECTOR E5 - T1TE04, T1TE05, T1TE06, T1TE07 - FLOOR PLAN - TECHNOLOGY

SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. PULVER		
DRAWN BY	B. PARTHEMER		
CHECKED BY	R. LALUM		
DATE	JULY 2026		
SHEET NO.	180	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	T2.03

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.

0' 2' 4' 8' 12'

SCALE: IN FEET

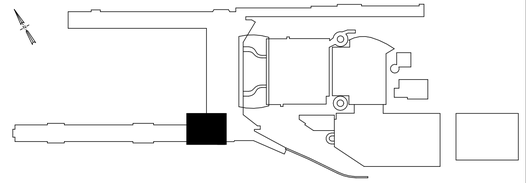


NOTES

1. ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED.
2. REFER TO T6.01 - DIAGRAMS FOR PAGING CIRCUIT CONNECTIONS.

KEY NOTES (#)

1. RECONNECT ZONE TO EXISTING PAGING CIRCUIT ZONE. FIELD COORDINATE EXISTING INCOMING CIRCUIT LOCATION FOR INTERCEPTION PRIOR TO PERFORMING WORK.
2. ABOVE CEILING EMERGENCY PHONE BLUE LIGHT POWER SUPPLY ENCLOSURE. REFER TO T6.02, DETAIL 1 FOR CIRCUITING REQUIREMENTS.



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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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

TERMINAL - ENPLANING - SECTOR W5 - T2TC66 - FLOOR PLAN - TECHNOLOGY

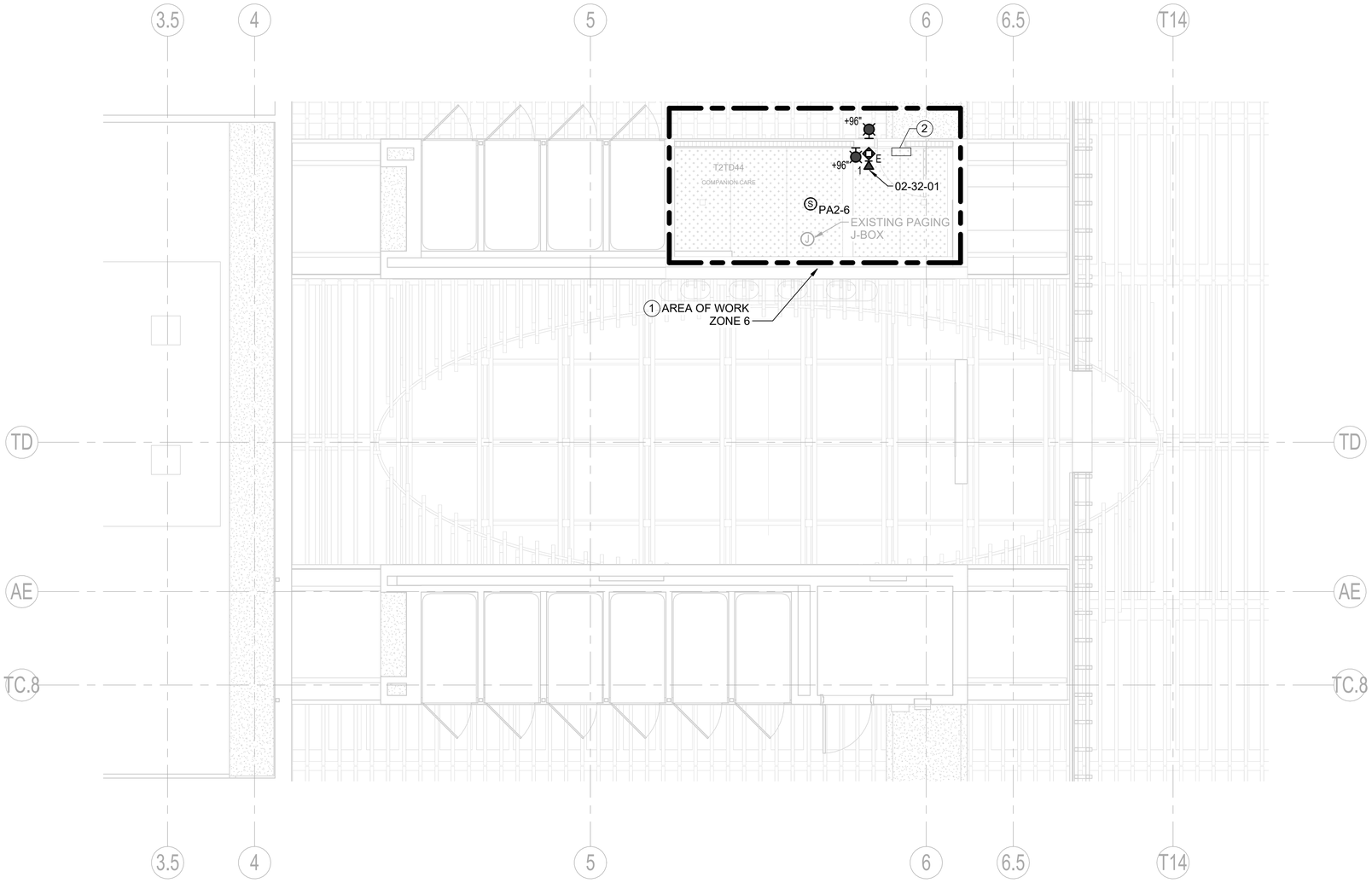
SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. PULVER		
DRAWN BY	B. PARTHEMER		
CHECKED BY	R. LALUM		
DATE	JULY 2026		
SHEET NO.	181	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	T2.04

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

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.

light gray
dark gray
black

0' 2' 4' 8' 12'
SCALE: IN FEET

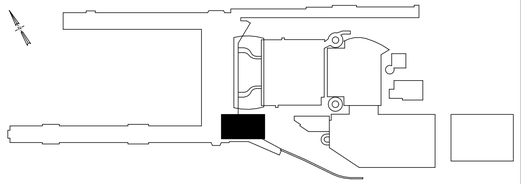


NOTES

1. ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED.
2. REFER TO T6.01 - DIAGRAMS FOR PAGING CIRCUIT CONNECTIONS.

KEY NOTES (#)

1. RECONNECT ZONE TO EXISTING PAGING CIRCUIT ZONE. FIELD COORDINATE EXISTING INCOMING CIRCUIT LOCATION FOR INTERCEPTION PRIOR TO PERFORMING WORK.
2. ABOVE CEILING EMERGENCY PHONE BLUE LIGHT POWER SUPPLY ENCLOSURE. REFER TO T6.02, DETAIL 1 FOR CIRCUITING REQUIREMENTS.



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7/19/26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
TERMINAL - ENPLANING - SECTOR E5 - T2TD44 - FLOOR PLAN - TECHNOLOGY

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. PULVER
DRAWN BY	B. PARTHEMER
CHECKED BY	R. LALUM
DATE	JULY 2026
SHEET NO.	182
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	T2.05

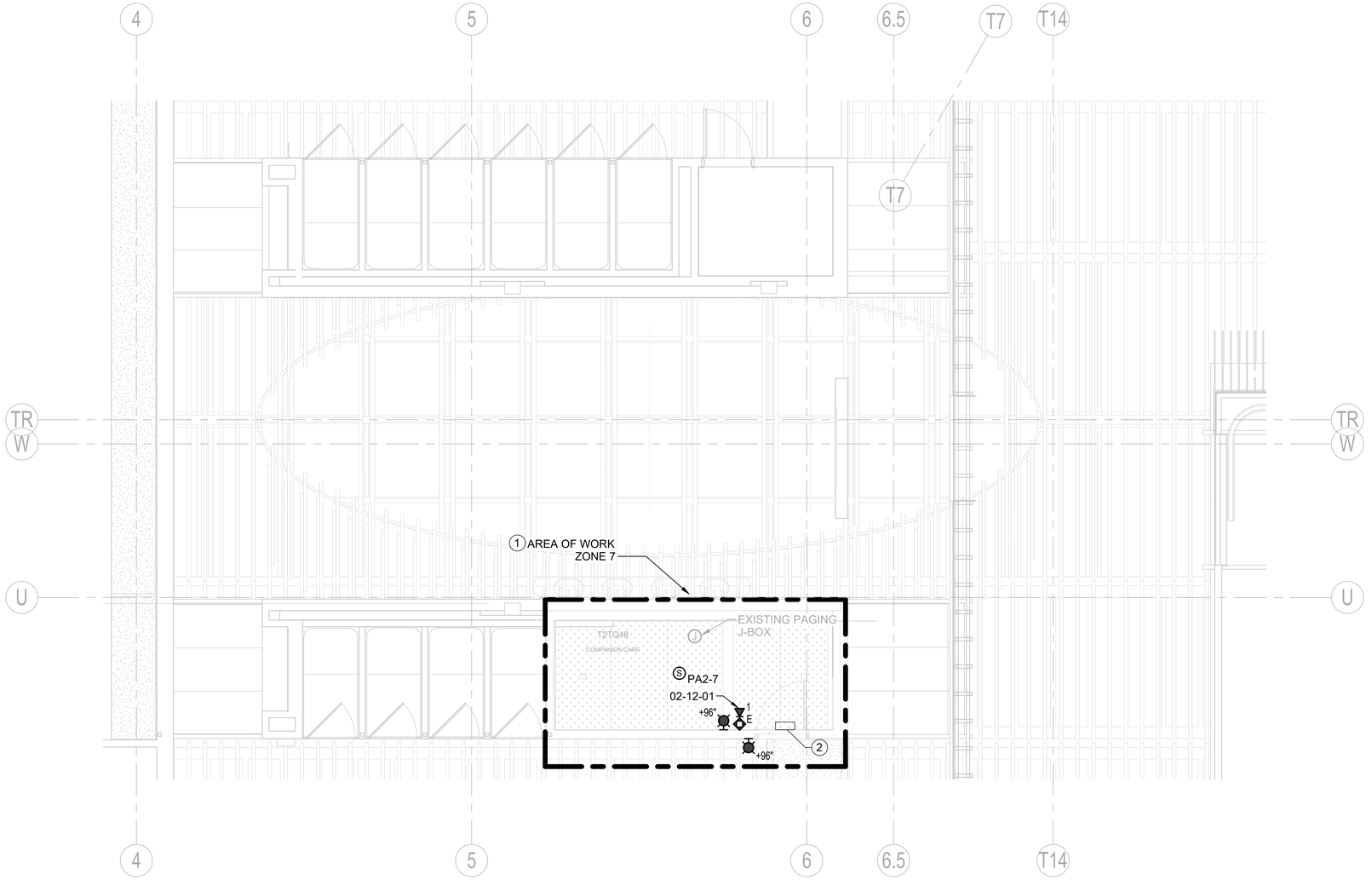
DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".
0 1/4" 1/2" 1" 2"
GRAPHIC SCALE-FOR REFERENCE ONLY

light gray
dark gray
black

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.

0' 2' 4' 8' 12'

SCALE: IN FEET

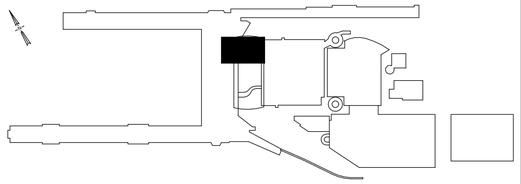


NOTES

1. ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED.
2. REFER TO T6.01 - DIAGRAMS FOR PAGING CIRCUIT CONNECTIONS.

KEY NOTES (#)

1. RECONNECT ZONE TO EXISTING PAGING CIRCUIT ZONE. FIELD COORDINATE EXISTING INCOMING CIRCUIT LOCATION FOR INTERCEPTION PRIOR TO PERFORMING WORK.
2. ABOVE CEILING EMERGENCY PHONE BLUE LIGHT POWER SUPPLY ENCLOSURE. REFER TO T6.02, DETAIL 1 FOR CIRCUITING REQUIREMENTS.



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

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7-19-26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
TERMINAL - ENPLANING - SECTOR E2 - T2TQ48 - FLOOR PLAN - TECHNOLOGY

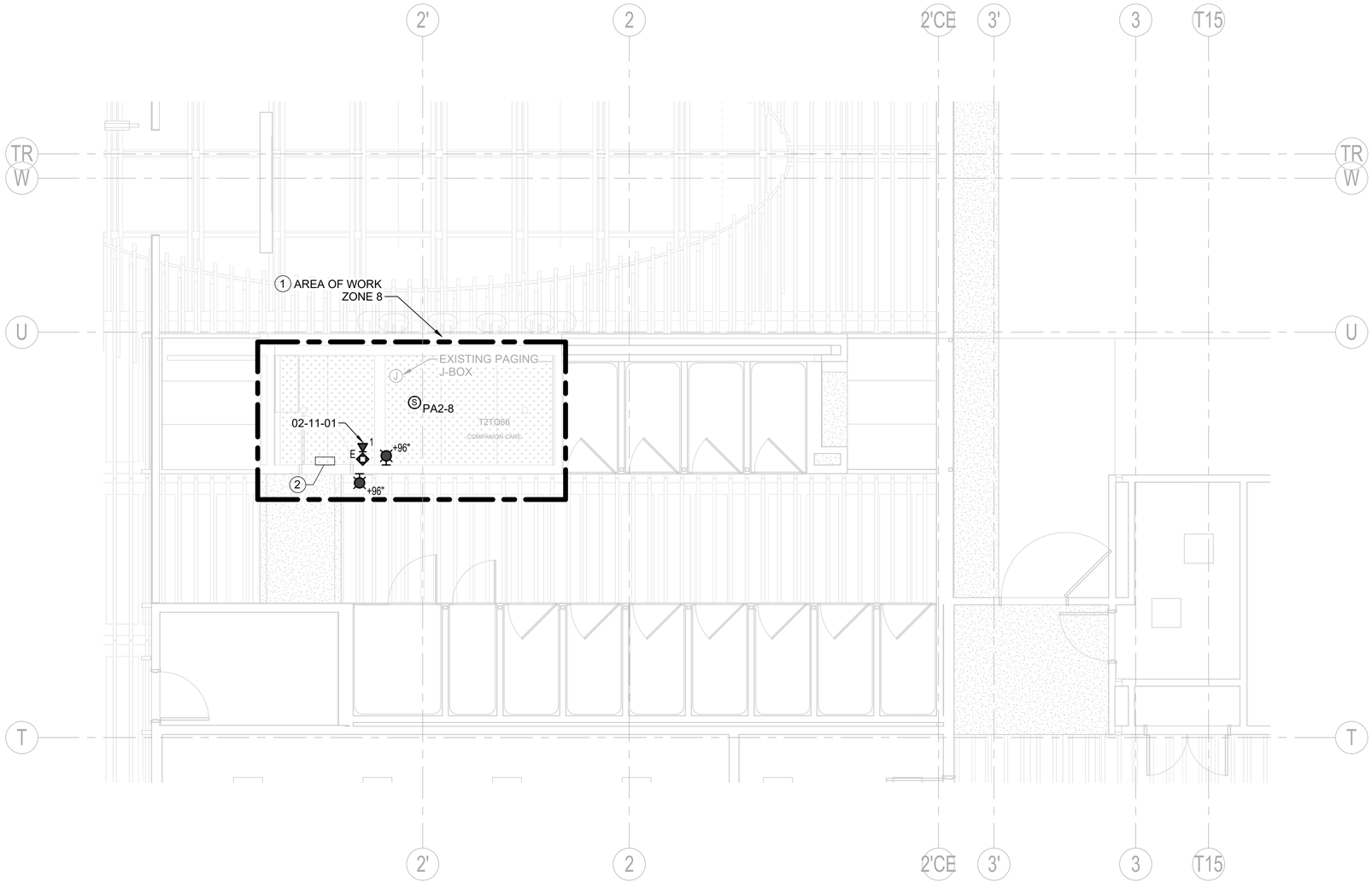
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. PULVER
DRAWN BY	B. PARTHEMER
CHECKED BY	R. LALUM
DATE	JULY 2026
SHEET NO.	183
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	T2.06

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.

light gray | dark gray | black

0' 2' 4' 8' 12'

SCALE: IN FEET



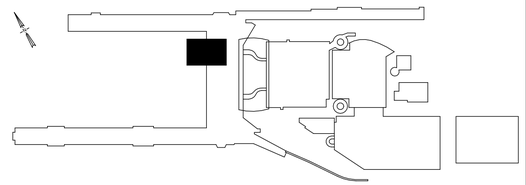
1 TERMINAL - SECTOR W - T2TQ66 - ENPLANING - CEILING PLAN - TECHNOLOGY
SCALE: 1/4" = 1'-0"

NOTES

1. ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED.
2. REFER TO T6.01 - DIAGRAMS FOR PAGING CIRCUIT CONNECTIONS.

KEY NOTES (#)

1. RECONNECT ZONE TO EXISTING PAGING CIRCUIT ZONE. FIELD COORDINATE EXISTING INCOMING CIRCUIT LOCATION FOR INTERCEPTION PRIOR TO PERFORMING WORK.
2. ABOVE CEILING EMERGENCY PHONE BLUE LIGHT POWER SUPPLY ENCLOSURE. REFER TO T6.02, DETAIL 1 FOR CIRCUITING REQUIREMENTS.



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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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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

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

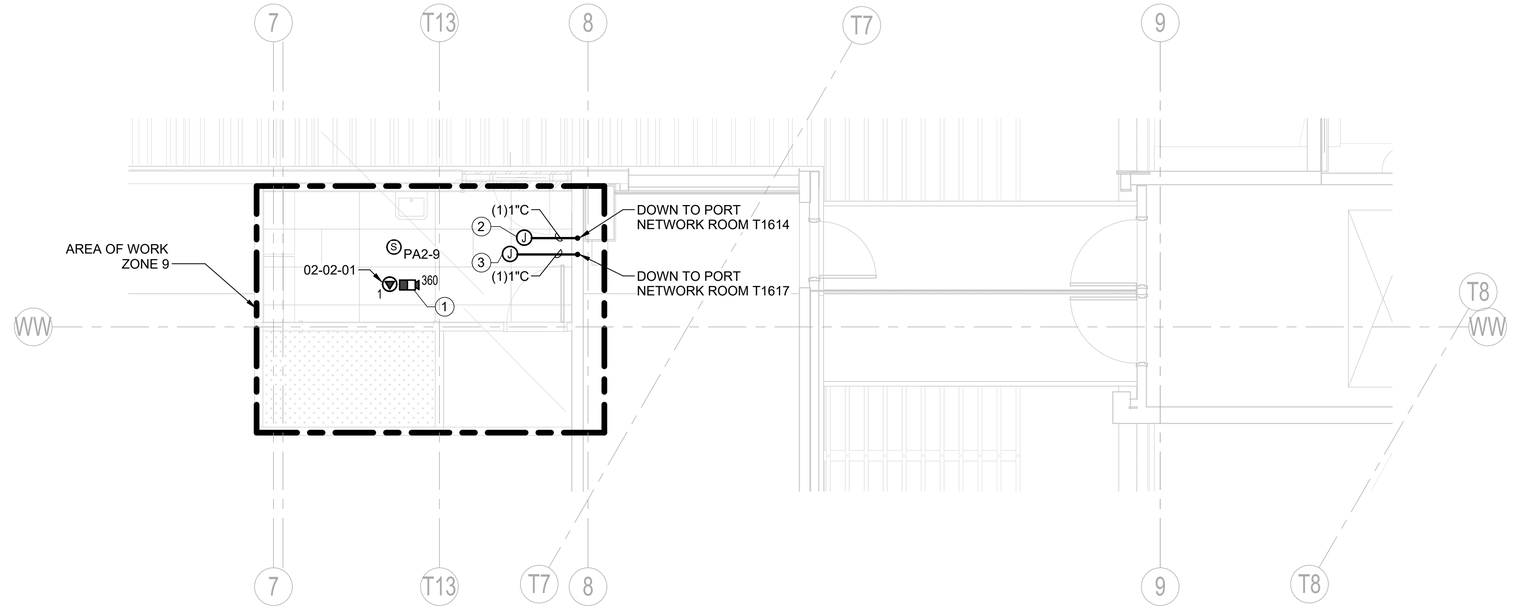
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. PULVER
DRAWN BY	B. PARTHEMER
CHECKED BY	R. LALUM
DATE	JULY 2026
SHEET NO.	184 TYPE CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	T2.07

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.

light gray
dark gray
black

0' 2' 4' 8' 12'

SCALE: IN FEET



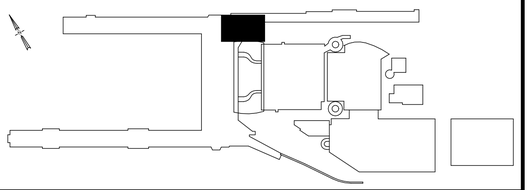
1 TERMINAL - SECTOR E1 - T2TS40 - ENPLANING - CEILING PLAN - TECHNOLOGY
SCALE: 1/4" = 1'-0"

NOTES

1. ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED.
2. REFER TO T6.01 - DIAGRAMS FOR PAGING CIRCUIT CONNECTIONS.

KEY NOTES (#)

1. 360-DEGREE VIDEO SURVEILLANCE CAMERA. BASIS OF DESIGN: AXIS M3058-PLVE. PROVIDE ALL REQUIRED CAMERA LICENSES FOR INTEGRATION WITH THE PORT'S EXISTING VIDEO SURVEILLANCE SYSTEM. COORDINATE CAMERA FIELD OF VIEW, LICENSE REQUIREMENTS, AND SYSTEM INTEGRATION WITH THE PORT PRIOR TO INSTALLATION.
2. ABOVE CEILING JUNCTION BOX FOR PAGING CIRCUIT.
3. ABOVE CEILING JUNCTION BOX FOR SECURITY CAMERA CABLING



NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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503.226.2921 pae-engineers.com

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED PROFESSIONAL ENGINEER
44775PE
OREGON
JULY 13, 1995
GRANT R. PARTHEMER
7-19-26
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT

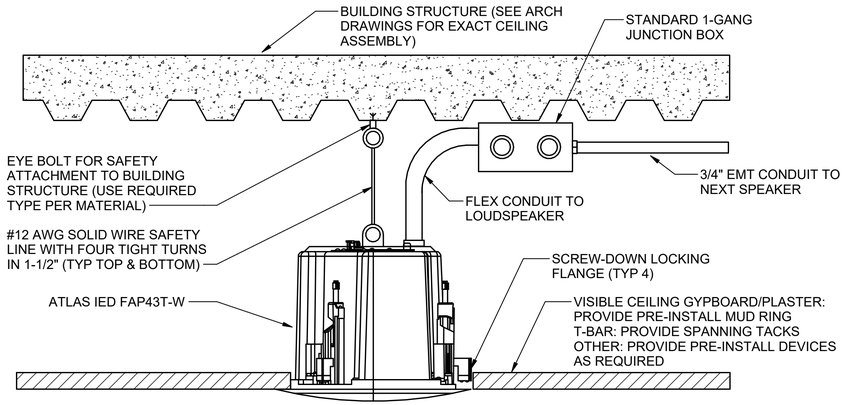
TERMINAL RESTROOM REHABILITATION 2026

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

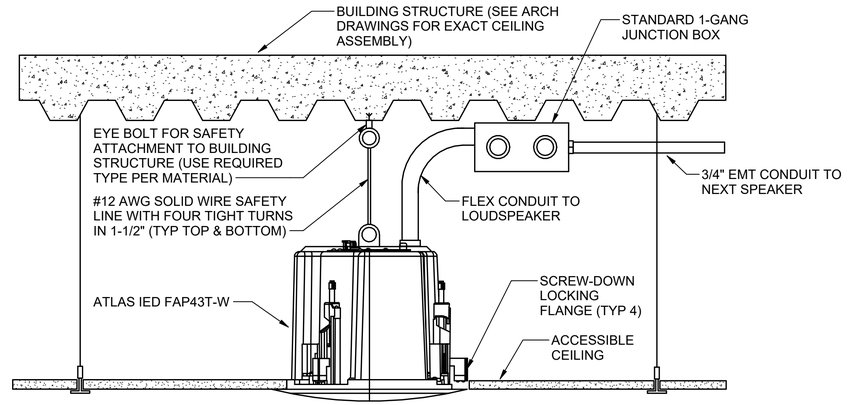
SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. PULVER		
DRAWN BY	B. PARTHEMER		
CHECKED BY	R. LALUM		
DATE	JULY 2026		
SHEET NO.	185	TYPE	CD
DRAWING NO.	PDX 2026-510	DISC. SHT. NO.	T2.08

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

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.



2 PA2 - CEILING SPEAKER MOUNTED FLUSH WITH GYPSUM CEILING DETAIL
SCALE: N.T.S.



1 PA2 - CEILING SPEAKER MOUNTED FLUSH WITH CEILING TILE DETAIL
SCALE: N.T.S.

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

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

PORTLAND INTERNATIONAL AIRPORT

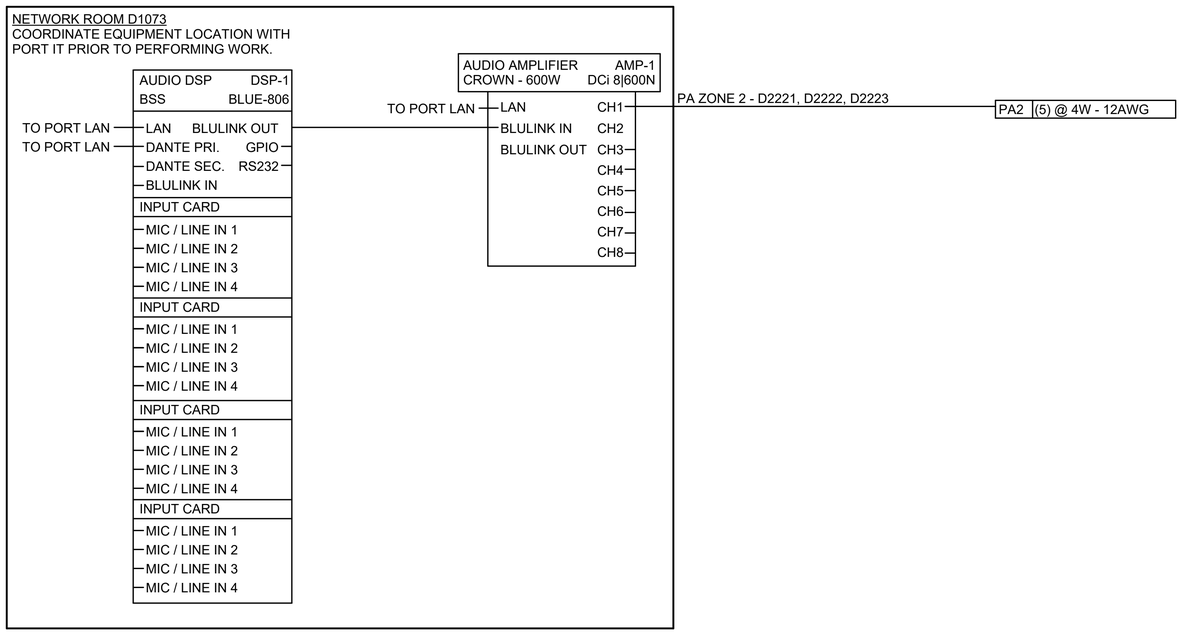
TERMINAL RESTROOM REHABILITATION 2026

DETAILS - TECHNOLOGY

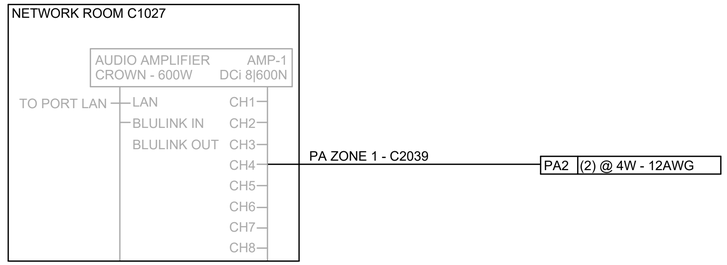
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. PULVER
DRAWN BY	B. PARTHEMER
CHECKED BY	R. LALUM
DATE	JULY 2026
SHEET NO.	186
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	T5.01

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

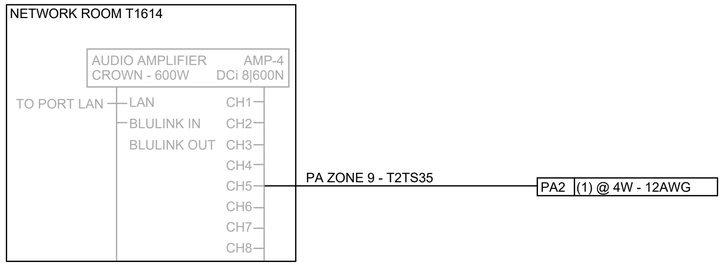
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



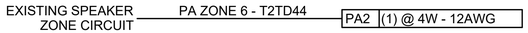
2 PAGING FUNCTIONAL DIAGRAM - D2221, D2222, D2223
SCALE: N.T.S.



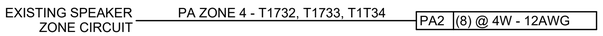
1 PAGING FUNCTIONAL DIAGRAM - C2039
SCALE: N.T.S.



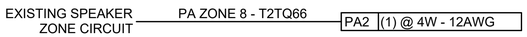
3 PAGING FUNCTIONAL DIAGRAM - T2TS35
SCALE: N.T.S.



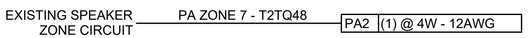
6 PAGING FUNCTIONAL DIAGRAM - T2TD44
SCALE: N.T.S.



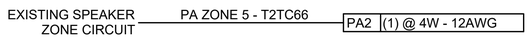
5 PAGING FUNCTIONAL DIAGRAM - T1732, T1733, T1T34
SCALE: N.T.S.



4 PAGING FUNCTIONAL DIAGRAM - T2TQ66
SCALE: N.T.S.



8 PAGING FUNCTIONAL DIAGRAM - T2TQ48
SCALE: N.T.S.



7 PAGING FUNCTIONAL DIAGRAM - T2TC66
SCALE: N.T.S.

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

PAE 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, 1995
GRANT R. PARTHEMER
7-19-26
EXPIRES: 12/31/2026

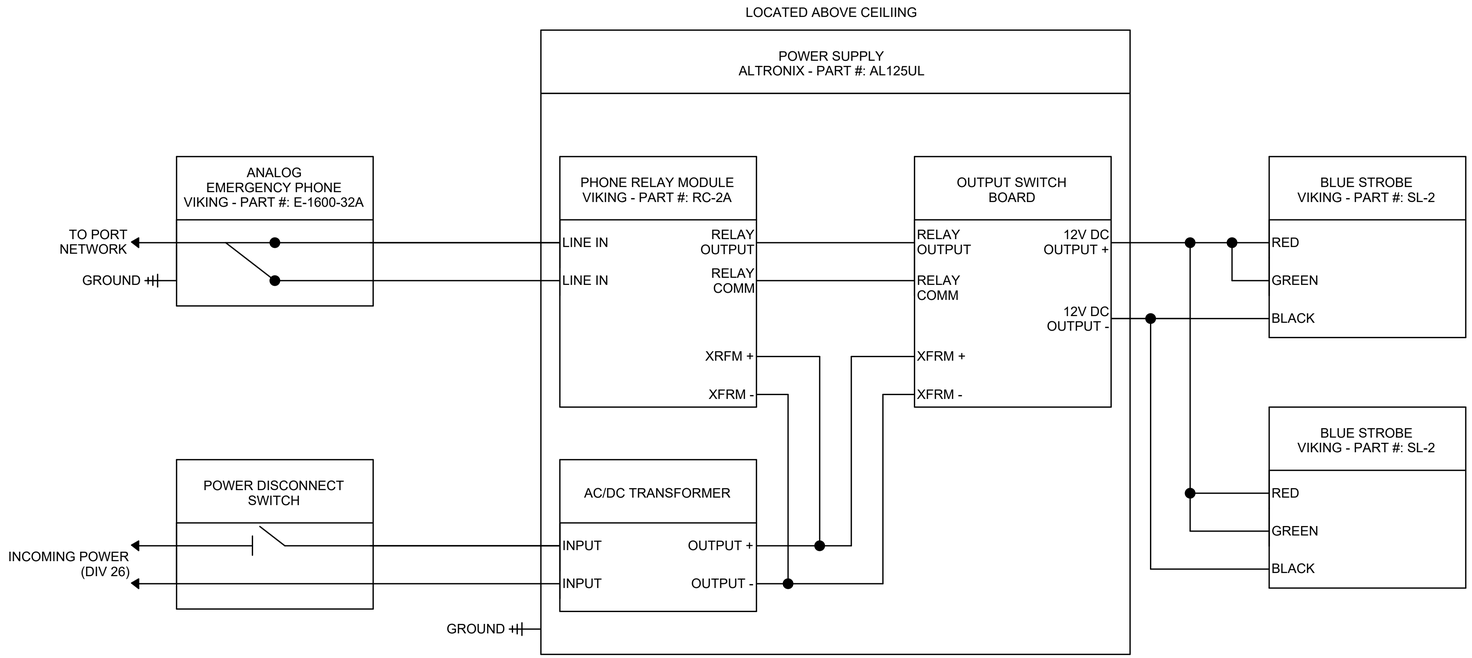
PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
DIAGRAMS - TECHNOLOGY

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. PULVER
DRAWN BY	B. PARTHEMER
CHECKED BY	R. LALUM
DATE	JULY 2026
SHEET NO.	187
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	T6.01

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

light gray
dark gray
black

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.



GENERAL NOTES:

A. DIAGRAM SHOWN FOR DESIGN INTENT ONLY. FINAL WIRING CONFIGURATION SHALL BE VERIFIED BY CONTRACTOR

1 EMERGENCY PHONE BLUE LIGHT DIAGRAM
SCALE: N.T.S.

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

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

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

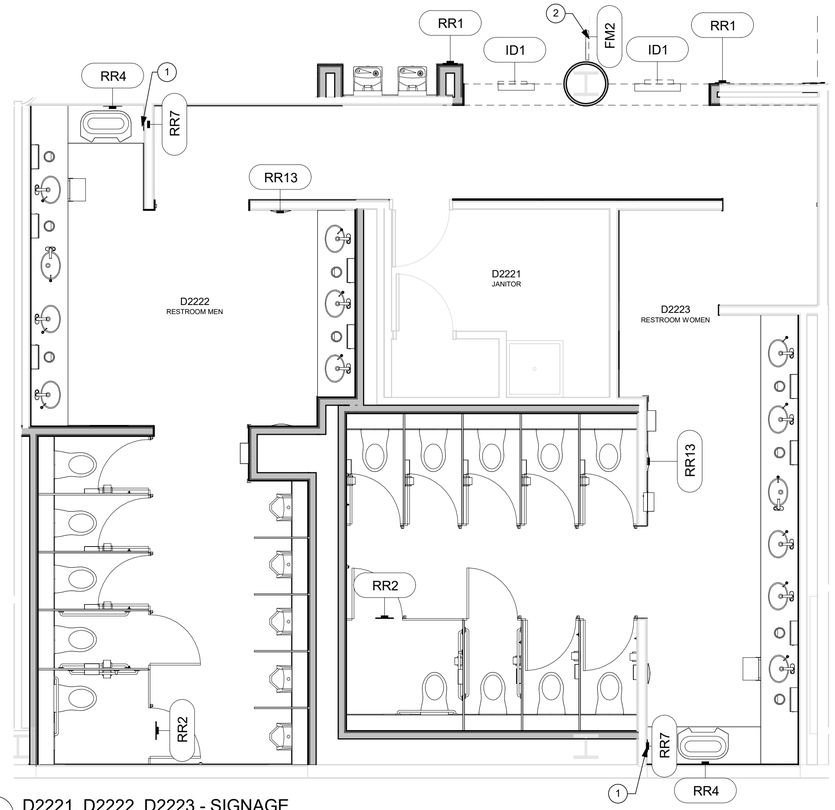
TERMINAL RESTROOM REHABILITATION 2026

DIAGRAMS - TECHNOLOGY

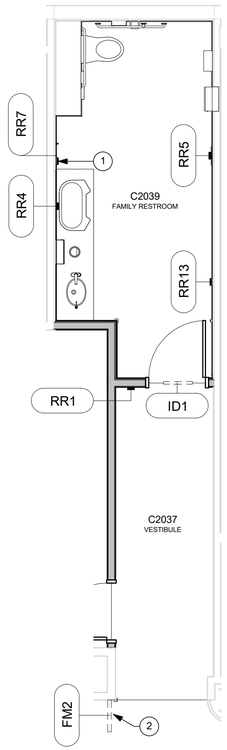
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. PULVER
DRAWN BY	B. PARTHEMER
CHECKED BY	R. LALUM
DATE	JULY 2026
SHEET NO.	188
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	T6.02

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

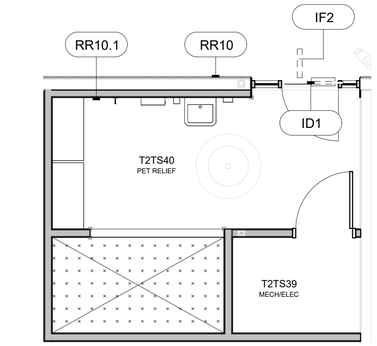
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY



1 D2221, D2222, D2223 - SIGNAGE
SCALE: 1/4" = 1'-0"



2 C2039 - SIGNAGE
SCALE: 1/4" = 1'-0"



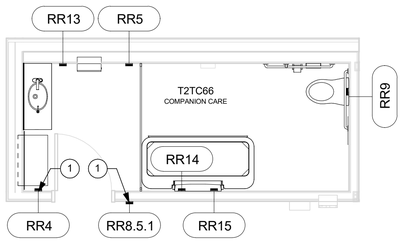
3 T2TS40 - SIGNAGE
SCALE: 1/4" = 1'-0"

NOTES

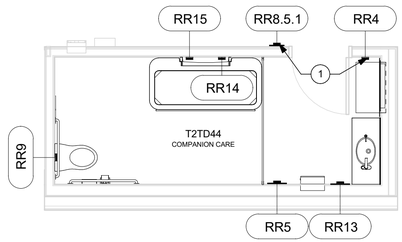
1. SIGNAGE LOCATION PLAN IS FOR REFERENCE ONLY.
2. SEE SIGNAGE SCHEDULE G3.00.
3. CONTRACTOR TO COORDINATE ALL BACKING FOR WALL MOUNTED ACCESSORIES AS NEEDED.

KEYNOTES

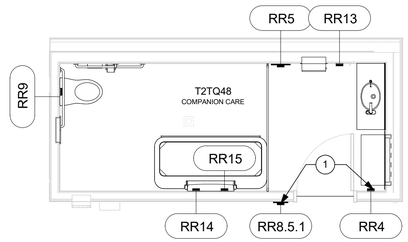
1 OSCI
2 SIGN HEIGHT DIFFERS FROM STANDARD MOUNTING HEIGHT. SEE INTERIOR ELEVATIONS FOR MOUNTING HEIGHT AND CONFIRM WITH PORT PRIOR TO INSTALLATION.



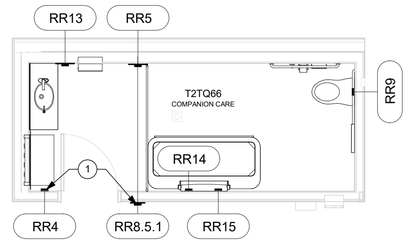
4 T2TC66 - SIGNAGE
SCALE: 1/4" = 1'-0"



5 T2TD44 - SIGNAGE
SCALE: 1/4" = 1'-0"



6 T2TQ48 - SIGNAGE
SCALE: 1/4" = 1'-0"



7 T2TQ66 - SIGNAGE
SCALE: 1/4" = 1'-0"

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

REGISTERED ARCHITECT
JEAN VON BARGEN ROOT
PORTLAND, OR
4830
STATE OF OREGON

PORTLAND INTERNATIONAL AIRPORT

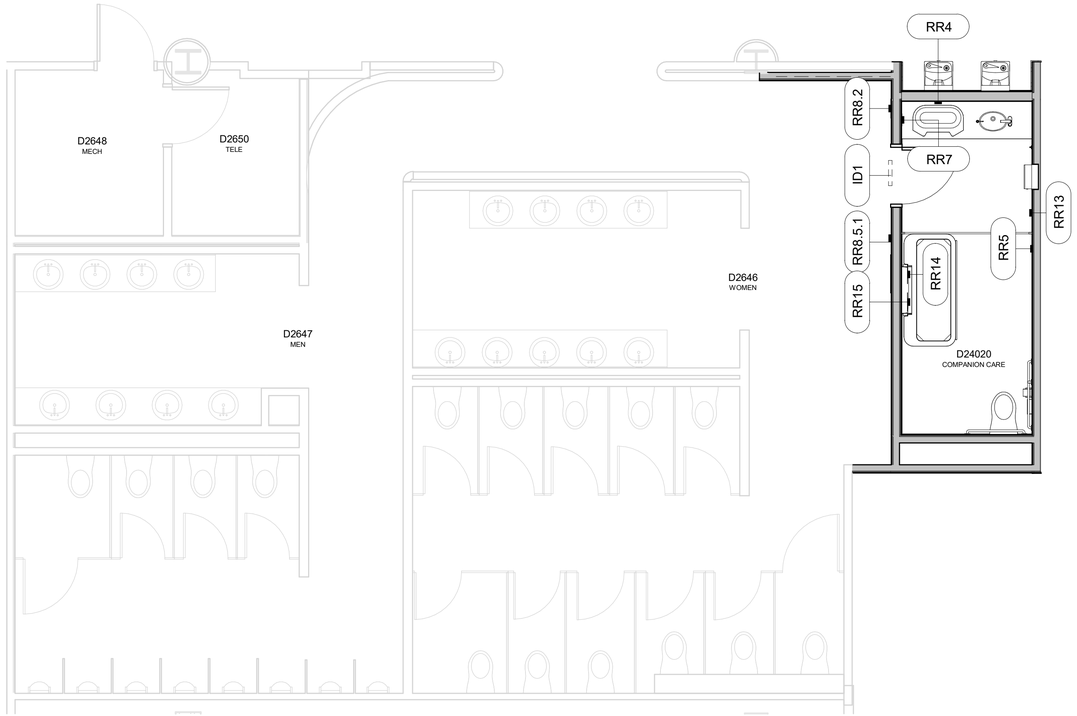
TERMINAL RESTROOM REHABILITATION 2026

SIGNAGE PLANS 1

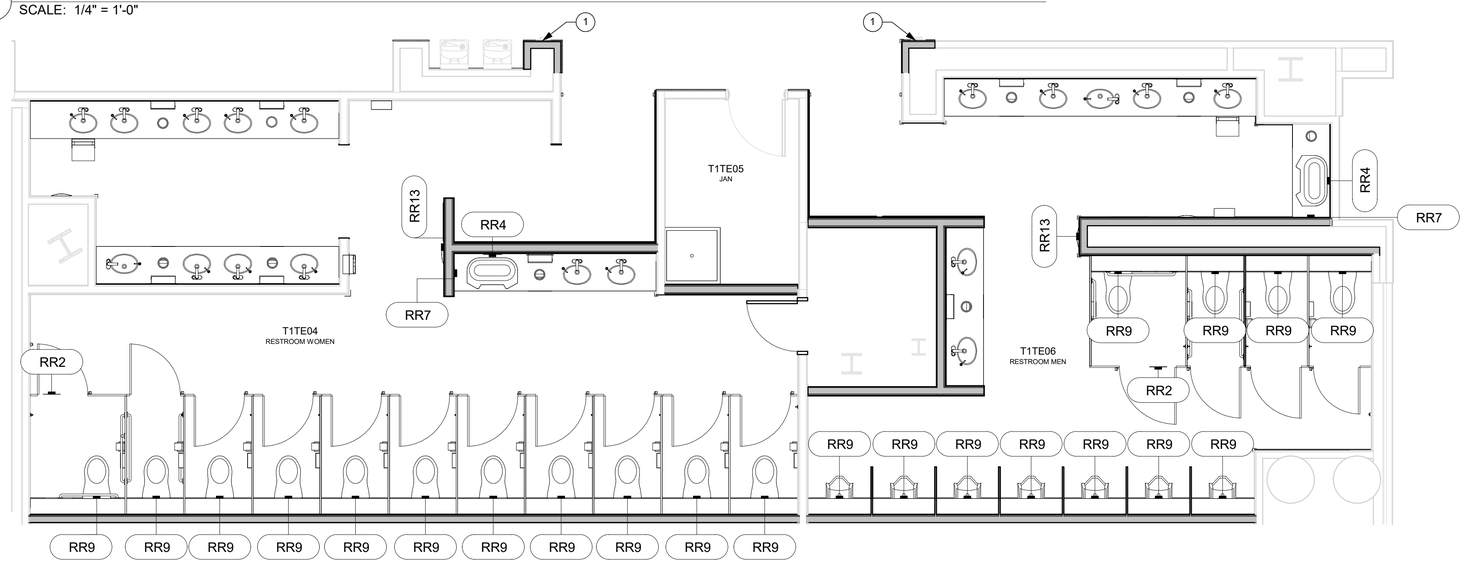
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	190
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	G1.00

DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".
0 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.



1 D24020 - SIGNAGE
SCALE: 1/4" = 1'-0"



2 T1TE04/T1TE06 - SIGNAGE
SCALE: 1/4" = 1'-0"

NOTES

1. SIGNAGE LOCATION PLAN IS FOR REFERENCE ONLY.
2. SEE SIGNAGE SCHEDULE G3.00.
3. CONTRACTOR TO COORDINATE ALL BACKING FOR WALL MOUNTED ACCESSORIES AS NEEDED.

KEYNOTES

1 (E) RR1 SIGNS TO BE RELOCATED

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED ARCHITECT · JEAN VON BARGEN ROOT · PORTLAND, OR 4830 · STATE OF OREGON

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

SIGNAGE PLANS 2

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	191
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	G1.01

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

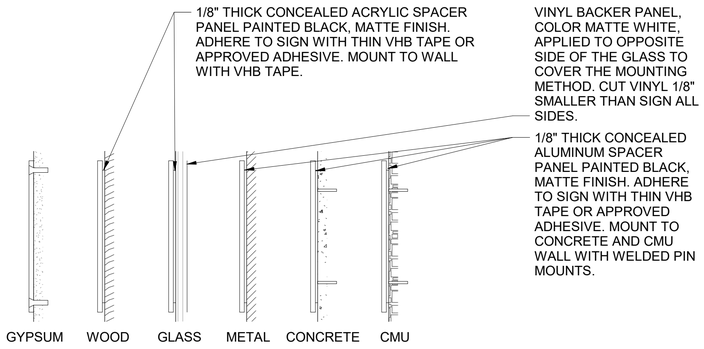
0 1/4" 1/2" 1" 2"

7/17/2026 11:14:11 AM Autodesk Docs://PDX CCD West and South Bag Claim Restroom Rehabilitation/202322.03 PDX Restrooms and Pet Relief.rvt

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

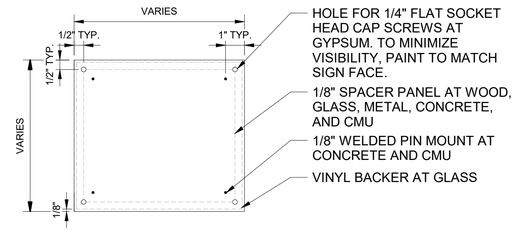
DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".

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.



NOTE: MOUNTING SURFACES FOR SIGN PLAQUES MAY VARY.
TYPICAL SURFACES SHOWN WITH SPACER MATERIAL AND MOUNTING METHOD.
SEE ARCHITECTURAL DRAWINGS FOR WALL SURFACES AND VERIFY.

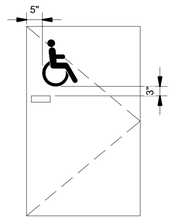
1 SECTION - TYPICAL MOUNTING SURFACES
SCALE: 3" = 1'-0"



NOTE: ALL MOUNTING METHODS SHOWN, SEE TYPICAL MOUNTING SURFACES DETAIL FOR MOUNTING METHOD AND SURFACES.

2 ELEVATION - TYPICAL MOUNTING METHODS
SCALE: 3" = 1'-0"

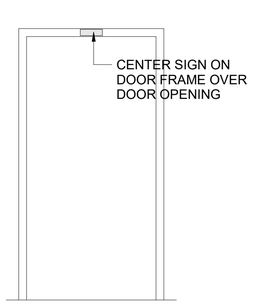
NOTE: INSTALLER TO FIELD VERIFY LOCATION AND DIMENSIONS OF STALL DOOR HANDLE PRIOR TO FABRICATION AND INSTALLATION.



3 RR2 TYP. MOUNTING
SCALE: 1/2" = 1'-0"

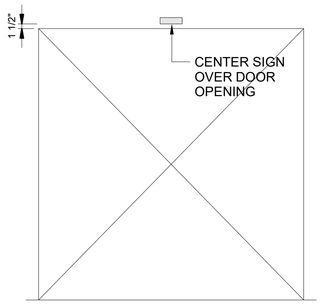
NOTES

1. STRUCTURAL/INSTALLATION METHOD: REFER TO STRUCTURAL CONSULTANT FOR FINAL MOUNTING/INSTALLATION METHODS.
2. MOUNTING METHOD IS DETERMINED BY WALL SURFACE. SEE "TYPICAL MOUNTING SURFACES" DETAIL.
3. FIELD VERIFICATION: FABRICATOR TO FIELD VERIFY MOUNTING LOCATIONS PRIOR TO INSTALLATION.
4. MESSAGES: MESSAGES SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY, NOT FOR CONSTRUCTION.
5. VENDOR TO PROVISION ALL MECHANICAL AND ELECTRICAL COMPONENTS TO ACHIEVE SIGN'S INTENDED OPERATIONAL PERFORMANCE.



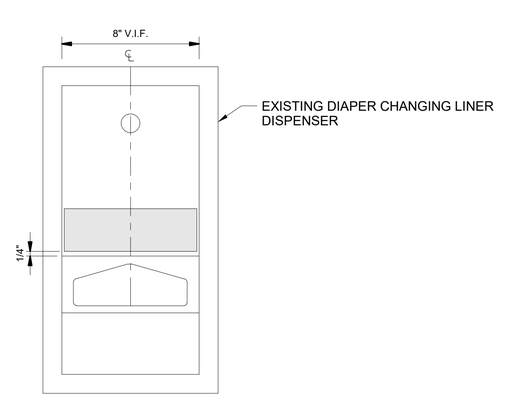
NOTES:
1. SIGN TYPE ID1 CONSISTS OF TWO SIGNS.
2. SIGN NUMBER TAG ON LOCATION PLANS POINTS TO MESSAGE A. MESSAGE B IS A SEPARATE SIGN THAT ATTACHES TO OPPOSITE SIDE OF DOOR.

4 ID1 TYP. MOUNTING SINGLE DOOR
SCALE: 1/2" = 1'-0"

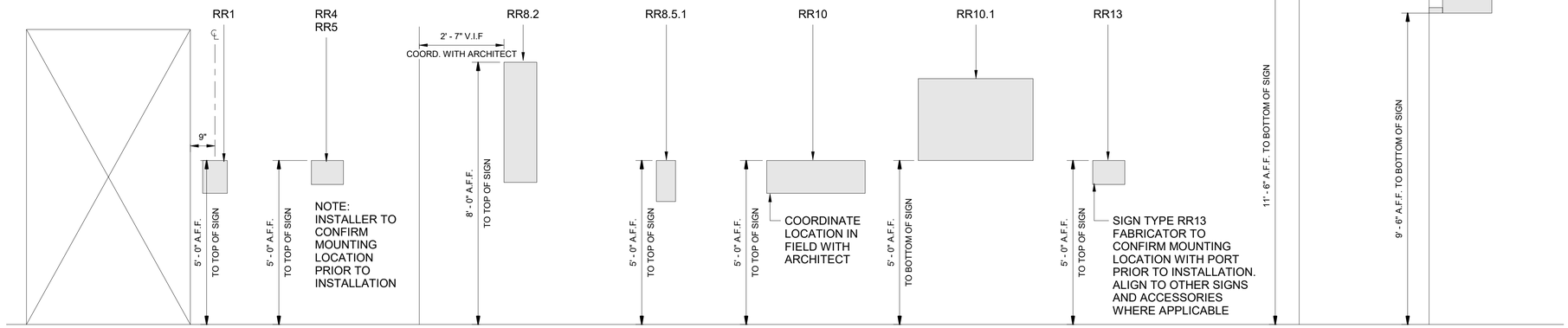


NOTES:
1. SIGN TYPE ID1 CONSISTS OF TWO SIGNS.
2. SIGN NUMBER TAG ON LOCATION PLANS POINTS TO MESSAGE A. MESSAGE B IS A SEPARATE SIGN THAT ATTACHES TO OPPOSITE SIDE OF DOOR.

5 ID1 TYP. MOUNTING WALL OPENING
SCALE: 1/2" = 1'-0"



6 RR7 TYP. MOUNTING
SCALE: 3" = 1'-0"



7 RR1, RR4/RR5, RR8.2, RR8.5.1/RR8.5N, RR10, RR10.1, RR13, IF2, FM2 MOUNTING
SCALE: 1/2" = 1'-0"

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED ARCHITECT · JEAN VON BARGEN ROOT · PORTLAND, OR 4830 · STATE OF OREGON

PORTLAND INTERNATIONAL AIRPORT

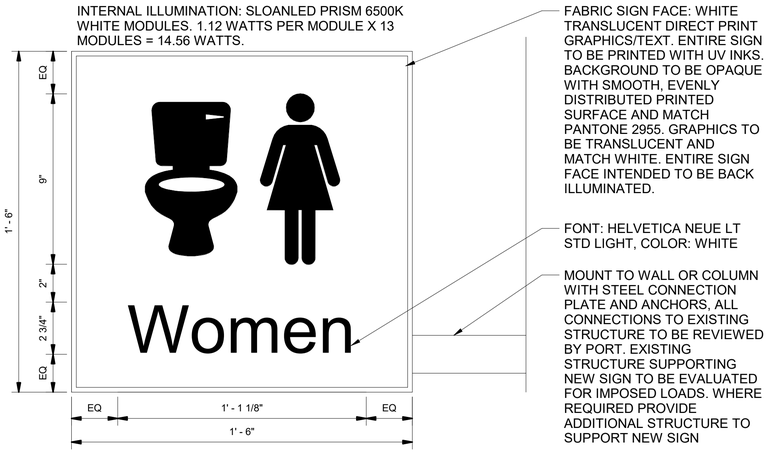
TERMINAL RESTROOM REHABILITATION 2026

DETAILS - SIGNAGE STANDARDS

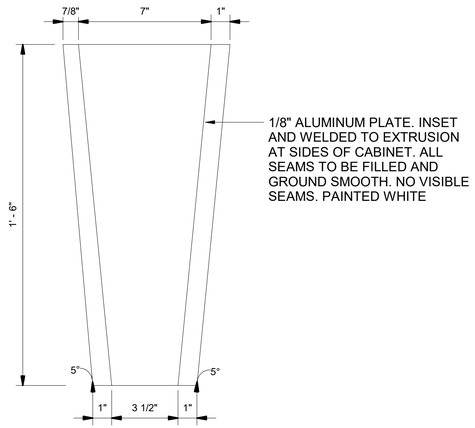
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	192
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	G2.00

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

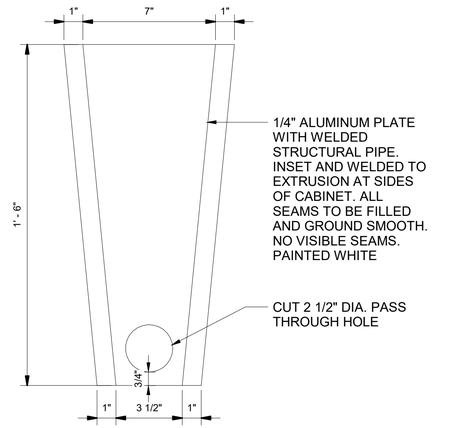
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



1 FM2 ELEVATION
SCALE: 3" = 1'-0"



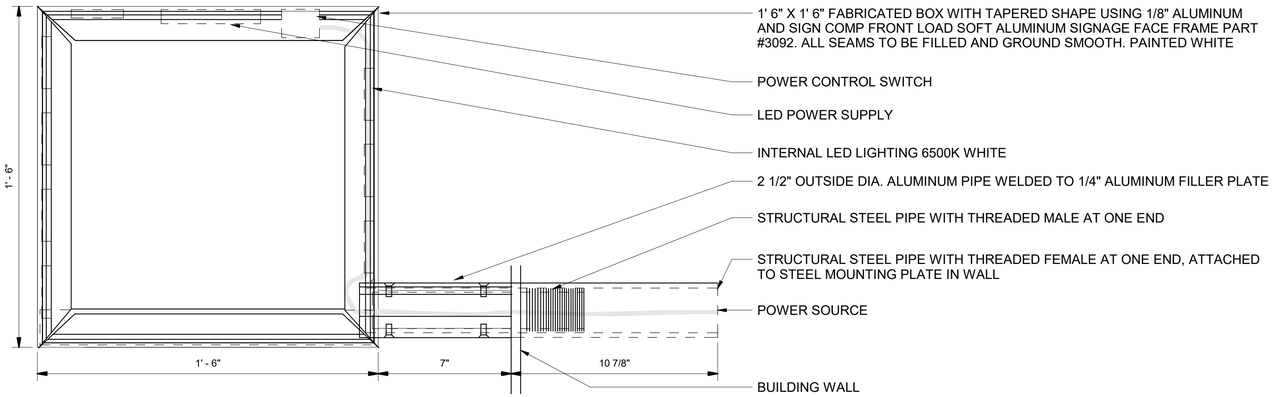
2 FM2 OUTSIDE FILLER ELEVATION
SCALE: 3" = 1'-0"



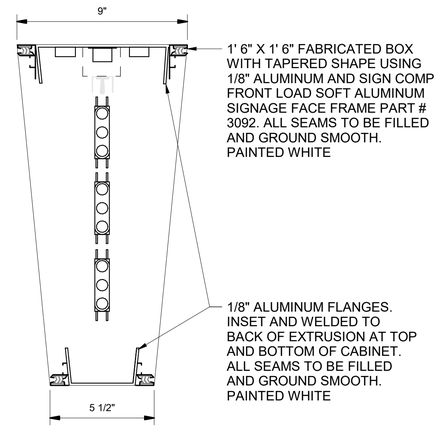
3 FM2 INSIDE FILLER ELEVATION
SCALE: 3" = 1'-0"

NOTES

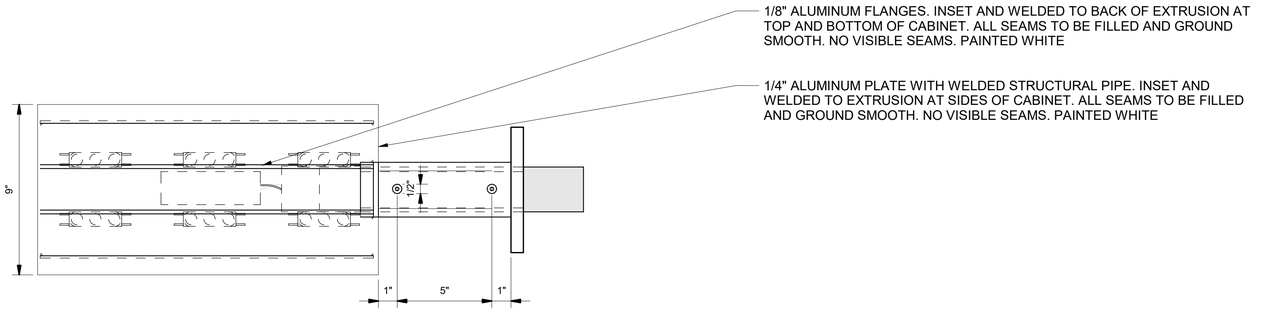
1. STRUCTURAL/INSTALLATION METHOD: REFER TO STRUCTURAL CONSULTANT FOR FINAL MOUNTING/INSTALLATION METHODS.
2. MOUNTING METHOD IS DETERMINED BY WALL SURFACE. SEE "TYPICAL MOUNTING SURFACES" DETAIL.
3. FIELD VERIFICATION: FABRICATOR TO FIELD VERIFY MOUNTING LOCATIONS PRIOR TO INSTALLATION.
4. MESSAGES: MESSAGES SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY, NOT FOR CONSTRUCTION.
5. VENDOR TO PROVISION ALL MECHANICAL AND ELECTRICAL COMPONENTS TO ACHIEVE SIGN'S INTENDED OPERATIONAL PERFORMANCE.



4 FM2 ELEVATION 2
SCALE: 3" = 1'-0"



5 FM2 SECTION
SCALE: 3" = 1'-0"



6 FM2 SECTION 2
SCALE: 3" = 1'-0"

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED ARCHITECT · JEAN VON BARGEN ROOT · PORTLAND, OR 4830 · STATE OF OREGON

PORTLAND INTERNATIONAL AIRPORT

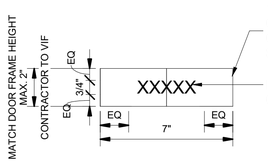
TERMINAL RESTROOM REHABILITATION 2026

DETAILS - SIGN TYPE FM2

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	193
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	G2.01

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

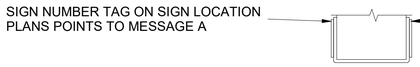
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



1/8" THICK CLEAR NON-GLARE ACRYLIC WITH SMOOTH EDGES AND CORNERS AND DIRECT PRINT ON SECOND SURFACE, BACKGROUND COLOR TO MATCH PANTONE 2955, COPY COLOR WHITE, FLUSH MOUNT SIGN TO DOOR FRAME WITH THIN VHB TAPE

FONT: HELVETICA NEUE LT STD ROMAN
COLOR: WHITE

1 ID1 ELEVATION
SCALE: 3" = 1'-0"



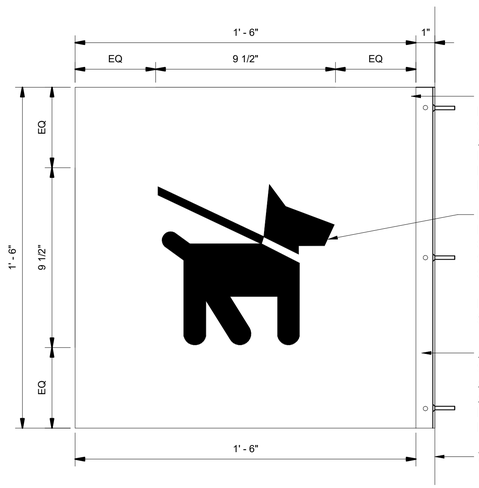
SIGN NUMBER TAG ON SIGN LOCATION PLANS POINTS TO MESSAGE A

MESSAGE B IS SEPARATE SIGN MOUNTED TO OPPOSITE SIDE OF DOOR

2 ID1 SECTION
SCALE: 3" = 1'-0"

NOTES

1. STRUCTURAL/INSTALLATION METHOD: REFER TO STRUCTURAL CONSULTANT FOR FINAL MOUNTING/INSTALLATION METHODS.
2. MOUNTING METHOD IS DETERMINED BY WALL SURFACE. SEE "TYPICAL MOUNTING SURFACES" DETAIL.
3. FIELD VERIFICATION: FABRICATOR TO FIELD VERIFY MOUNTING LOCATIONS PRIOR TO INSTALLATION.
4. MESSAGES: MESSAGES SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY, NOT FOR CONSTRUCTION.
5. VENDOR TO PROVISION ALL MECHANICAL AND ELECTRICAL COMPONENTS TO ACHIEVE SIGN'S INTENDED OPERATIONAL PERFORMANCE.



1/4" THICK ACRYLIC PANEL, EDGES ARE FINISHED AND SMOOTHED, ALL SURFACES AND EDGES TO BE PAINTED TO MATCH PANTONE 2955 AND HAVE SMOOTH EVEN SATIN FINISH

DIGITALLY-PRINTED SYMBOL ON BOTH FRONT AND BACK SURFACE OF SIGN PANEL IN WHITE, APPLY CLEAR PROTECTIVE MATTE COATING ON SIGN FACE

MAXIMUM AREA FOR PICTOGRAM: 9.5" X 9.5"

ALUMINUM ANGLE BRACKETS, ALL SURFACES INCLUDING EDGES AND FASTENERS PAINTED WHITE AND HAVE SMOOTH EVEN SATIN FINISH, FIELD VERIFY ALL EXISTING MOUNTING CONDITIONS

WALL

3 IF2 ELEVATION
SCALE: 3" = 1'-0"

1/4" THICK ACRYLIC PANEL WITH SMOOTH EDGES AND CORNERS, ALL SURFACES AND EDGES TO BE PAINTED TO MATCH PANTONE 2955 AND HAVE SMOOTH EVEN SATIN FINISH

ALUMINUM ANGLE BRACKETS, ALL SURFACES INCLUDING EDGES AND FASTENERS PAINTED WHITE AND HAVE SMOOTH EVEN SATIN FINISH, FIELD VERIFY ALL EXISTING MOUNTING CONDITIONS

4 IF2 SIDE VIEW
SCALE: 3" = 1'-0"

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED ARCHITECT
JEAN VON BARGEN ROOT
PORTLAND, OR
4830
STATE OF OREGON

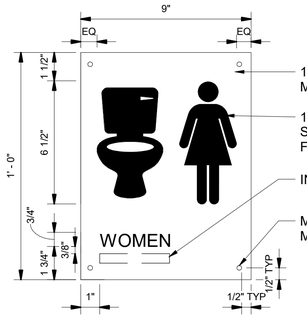
PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

DETAILS - SIGN TYPE ID1, IF2

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	194
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	G2.02

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.



1/4" ETCHED PHOTOPOLYMER PANEL, ALL SURFACES PAINTED TO MATCH PANTONE 2955, SATIN FINISH

1/32" RAISED TACTILE PICTOGRAM AND TEXT SCREEN TIPPED WHITE, SATIN FINISH
FONT: HELVETICA NEUE LT STD LIGHT

INTEGRAL GRADE 2 BRAILLE TO MATCH BACKGROUND COLOR

MOUNTING METHOD IS DETERMINED BY WALL SURFACE, SEE TYPICAL MOUNTING SURFACES DETAIL

1 RR1 (SINGLE GENDER) ELEVATION
SCALE: 3" = 1'-0"

NOTES

1. STRUCTURAL/INSTALLATION METHOD: REFER TO STRUCTURAL CONSULTANT FOR FINAL MOUNTING/INSTALLATION METHODS.
2. MOUNTING METHOD IS DETERMINED BY WALL SURFACE. SEE "TYPICAL MOUNTING SURFACES" DETAIL.
3. FIELD VERIFICATION: FABRICATOR TO FIELD VERIFY MOUNTING LOCATIONS PRIOR TO INSTALLATION.
4. MESSAGES: MESSAGES SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY, NOT FOR CONSTRUCTION.
5. VENDOR TO PROVISION ALL MECHANICAL AND ELECTRICAL COMPONENTS TO ACHIEVE SIGN'S INTENDED OPERATIONAL PERFORMANCE.

FONT: HELVETICA NEUE LT STD ROMAN, COLOR: WHITE

1/4" THICK CLEAR NON-GLARE ACRYLIC WITH SMOOTH EDGES AND CORNERS

SECOND SURFACE DIRECT PRINT, WHITE PICTOGRAM AND TEXT, BACKGROUND COLOR TO MATCH PANTONE 2955

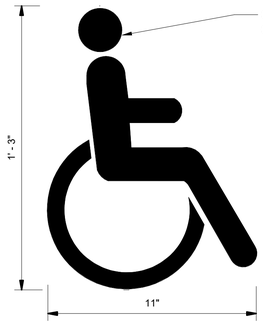
FONT: HELVETICA NEUE LT STD LIGHT, COLOR: WHITE

2 PT. THICK RULE COLOR TO MATCH PANTONE COOL GRAY 6

MOUNTING METHOD IS DETERMINED BY WALL SURFACE. SEE TYPICAL MOUNTING SURFACES DETAIL

FONT: HELVETICA NEUE LT STD ROMAN, COLOR: WHITE

2 RR4 ELEVATION
SCALE: 3" = 1'-0"



CUT OUT VINYL ADHERED TO FIRST SURFACE OF BATHROOM STALL DOOR
COLOR: MATTE WHITE

4 RR2 ELEVATION
SCALE: 3" = 1'-0"

FONT: HELVETICA NEUE LT STD ROMAN, COLOR: WHITE

1/4" THICK CLEAR NON-GLARE ACRYLIC WITH SMOOTH EDGES AND CORNERS

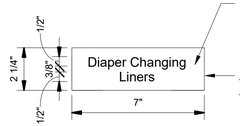
SECOND SURFACE DIRECT PRINT, WHITE PICTOGRAM AND TEXT, BACKGROUND COLOR TO MATCH PANTONE 2955

2 PT. THICK RULE COLOR TO MATCH PANTONE COOL GRAY 6

MOUNTING METHOD IS DETERMINED BY WALL SURFACE. SEE TYPICAL MOUNTING SURFACES DETAIL

FONT: HELVETICA NEUE LT STD ROMAN, COLOR: WHITE

3 RR5 ELEVATION
SCALE: 3" = 1'-0"



1/8" THICK CLEAR NON-GLARE ACRYLIC, SECOND SURFACE DIRECT PRINT WHITE TEXT, BACKGROUND COLOR TO MATCH PANTONE 2955, FONT: HELVETICA NEUE LT STD ROMAN

ADHERE TO DIAPER CHANGING LINER DISPENSER WITH VHB TAPE OR APPROVED ADHESIVE AS REQUIRED

5 RR7 ELEVATION
SCALE: 3" = 1'-0"

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031	103101
DESIGN NUMBER	PROJECT NUMBER

REGISTERED ARCHITECT
JEAN VON BARGEN ROOT
PORTLAND, OR
4830
STATE OF OREGON

PORTLAND INTERNATIONAL AIRPORT

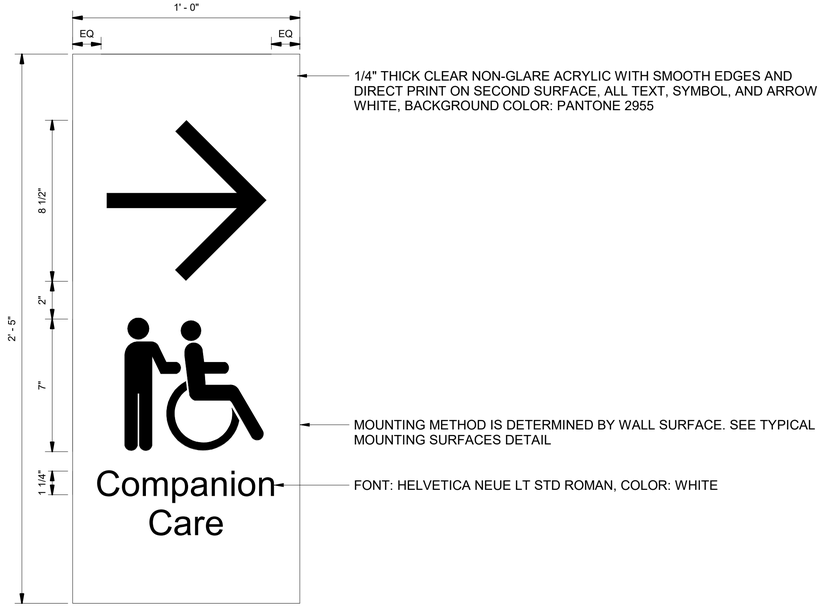
TERMINAL RESTROOM REHABILITATION 2026

DETAILS - SIGN TYPE RR1, RR2, RR4, RR5, RR7

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	195
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	G2.03

DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".
0 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.

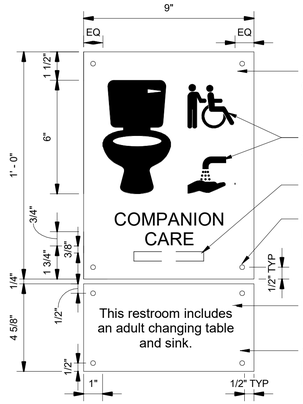


1/4" THICK CLEAR NON-GLARE ACRYLIC WITH SMOOTH EDGES AND DIRECT PRINT ON SECOND SURFACE, ALL TEXT, SYMBOL, AND ARROW WHITE, BACKGROUND COLOR: PANTONE 2955

MOUNTING METHOD IS DETERMINED BY WALL SURFACE. SEE TYPICAL MOUNTING SURFACES DETAIL

FONT: HELVETICA NEUE LT STD ROMAN, COLOR: WHITE

1 RR8.2 ELEVATION
SCALE: 3" = 1'-0"



1/4" THICK ETCHED PHOTOPOLYMER PANEL WITH SMOOTH EDGES AND CORNER, ALL SURFACES PAINTED TO MATCH PANTONE 2955, SATIN FINISH

1/32" RAISED TACTILE PICTOGRAM AND TEXT SCREEN TIPPED WHITE, SATIN FINISH
FONT: HELVETICA NEUE LT STD LIGHT
INTEGRAL GRADE 2 BRAILLE TO MATCH BACKGROUND COLOR

MOUNTING METHOD IS DETERMINED BY WALL SURFACE, SEE TYPICAL MOUNTING SURFACES DETAIL

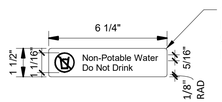
FONT: HELVETICA NEUE LT STD CONDENSED, COLOR: WHITE

1/4" ACRYLIC WITH SMOOTH EDGES AND CORNERS. ALL SURFACES PAINTED TO MATCH PANTONE 2955, SATIN FINISH AND DIGITAL COLOR PRINT APPLIED TO FIRST SURFACE

2 RR8.5.1 ELEVATION
SCALE: 3" = 1'-0"

NOTES

1. STRUCTURAL/INSTALLATION METHOD: REFER TO STRUCTURAL CONSULTANT FOR FINAL MOUNTING/INSTALLATION METHODS.
2. MOUNTING METHOD IS DETERMINED BY WALL SURFACE. SEE "TYPICAL MOUNTING SURFACES" DETAIL.
3. FIELD VERIFICATION: FABRICATOR TO FIELD VERIFY MOUNTING LOCATIONS PRIOR TO INSTALLATION.
4. MESSAGES: MESSAGES SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY, NOT FOR CONSTRUCTION.
5. VENDOR TO PROVISION ALL MECHANICAL AND ELECTRICAL COMPONENTS TO ACHIEVE SIGN'S INTENDED OPERATIONAL PERFORMANCE.



1/16" STAINLESS STEEL PANEL, NO SHARP EDGES.
DIRECT PRINT BLACK TEXT AND SYMBOL APPLY CLEAR COAT ON SIGN FACE, SATIN FINISH MOUNT USING THIN VHB TAPE
FONT: HELVETICA NEUE LT STD ROMAN

3 RR9 ELEVATION
SCALE: 3" = 1'-0"

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED ARCHITECT · JEAN VON BARGEN ROOT · PORTLAND, OR 4830 · STATE OF OREGON

PORTLAND INTERNATIONAL AIRPORT

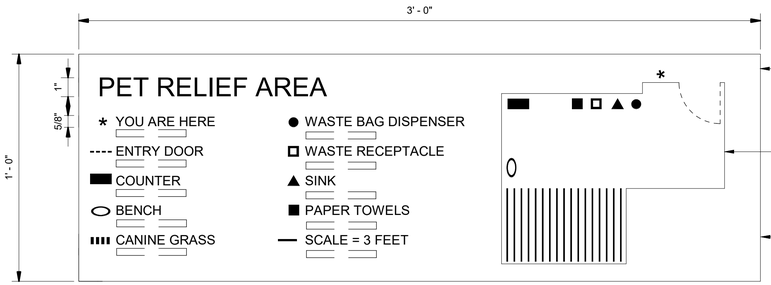
TERMINAL RESTROOM REHABILITATION 2026

DETAILS - SIGN TYPE RR8.2, RR8.5.1, RR9

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	196
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	G2.04

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

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.

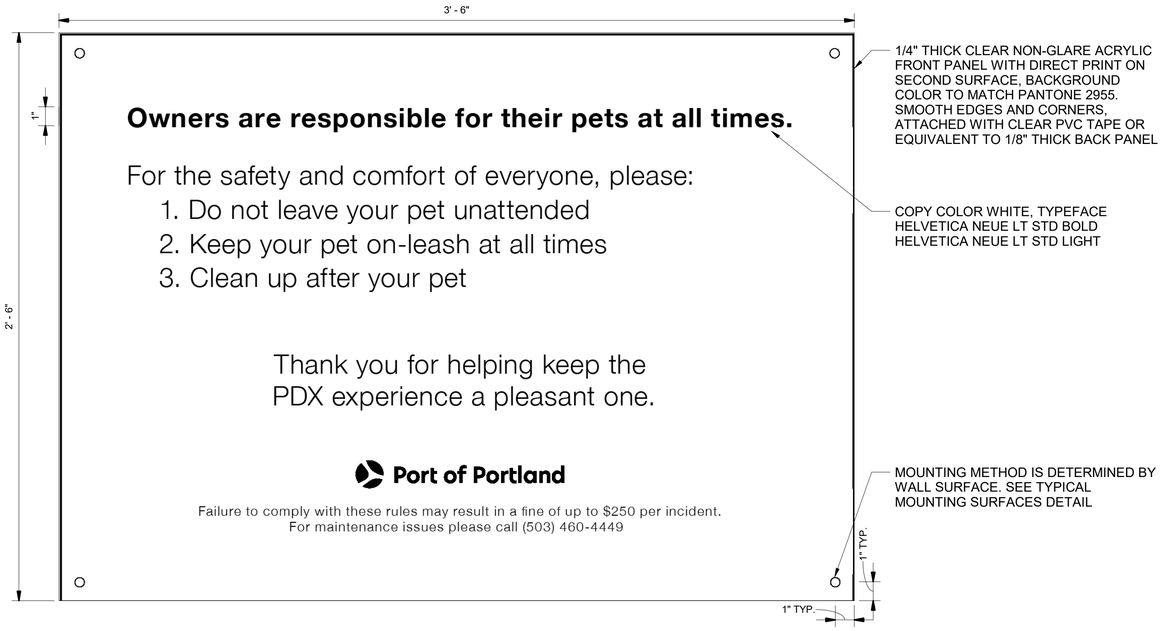


1 RR10 ELEVATION
SCALE: 3" = 1'-0"

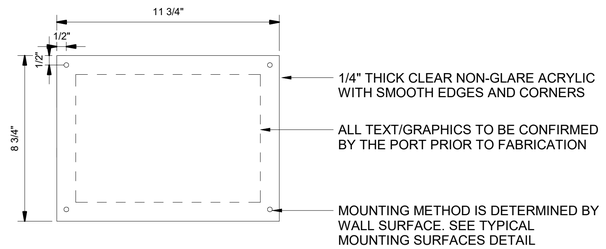
2 RR13 ELEVATION
SCALE: 3" = 1'-0"

NOTES

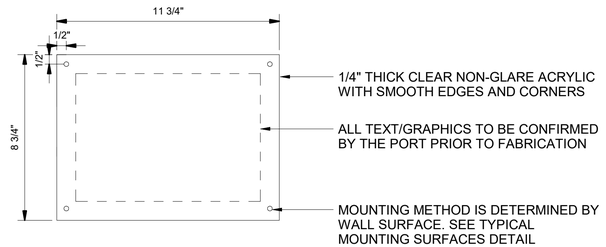
1. STRUCTURAL/INSTALLATION METHOD: REFER TO STRUCTURAL CONSULTANT FOR FINAL MOUNTING/INSTALLATION METHODS.
2. MOUNTING METHOD IS DETERMINED BY WALL SURFACE. SEE "TYPICAL MOUNTING SURFACES" DETAIL.
3. FIELD VERIFICATION: FABRICATOR TO FIELD VERIFY MOUNTING LOCATIONS PRIOR TO INSTALLATION.
4. MESSAGES: MESSAGES SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY, NOT FOR CONSTRUCTION.
5. VENDOR TO PROVISION ALL MECHANICAL AND ELECTRICAL COMPONENTS TO ACHIEVE SIGN'S INTENDED OPERATIONAL PERFORMANCE.



3 RR10.1 ELEVATION
SCALE: 3" = 1'-0"



4 RR14 ELEVATION
SCALE: 3" = 1'-0"



5 RR15 ELEVATION
SCALE: 3" = 1'-0"

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland
mwa architects
2025D031 DESIGN NUMBER
103101 PROJECT NUMBER

REGISTERED ARCHITECT · JEAN VON BARGEN ROOT · PORTLAND, OR 4830 · STATE OF OREGON

PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
DETAILS - SIGN TYPE RR10, RR10.1, RR13, RR14, RR15

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	197
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	G2.05

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.

light gray

dark gray

black

ROOM IDENTIFIER	SIGN TYPE	SIGN DESCRIPTION	TACTILE: TEXT (SYMBOL/PICTOGRAM)	NON-TACTILE	DETAIL/ SHEET
C2039	FM2	MEDIUM FLAG MOUNTED ID	N/A	RESTROOM (SYMBOL)	1/G2.01
C2039	ID1	INTERIOR DOOR ID	N/A	C2039	1/G2.02
C2039	RR1	RESTROOMS ID	FAMILY RESTROOM (SYMBOL)	N/A	1/G2.03
C2039	RR4	DIAPER CHANGING STATION	N/A	DIAPER CHANGING COUNTER (SYMBOL)	2/G2.03
C2039	RR5	NO SMOKING	N/A	NO SMOKING NO VAPING (SYMBOL)	3/G2.03
C2039	RR7	DIAPER CHANGING LINERS	N/A	DIAPER CHANGING LINERS	5/G2.03
C2039	RR13	NATIONAL HUMAN TRAFFICKING HOTLINE	N/A	(IMAGE)	2/G2.05

ROOM IDENTIFIER	SIGN TYPE	SIGN DESCRIPTION	TACTILE: TEXT (SYMBOL/PICTOGRAM)	NON-TACTILE	DETAIL/ SHEET
D2222	ID1	INTERIOR DOOR ID	N/A	D2222	1/G2.02
D2222	RR1	RESTROOMS ID	MEN (SYMBOL)	N/A	1/G2.03
D2222	RR2	ACCESSIBILITY SIGN INSIDE RESTROOM	N/A	(ACCESSIBILITY SYMBOL)	4/G2.03
D2222	RR4	DIAPER CHANGING STATION	N/A	DIAPER CHANGING COUNTER (SYMBOL)	2/G2.03
D2222	RR7	DIAPER CHANGING LINERS	N/A	DIAPER CHANGING LINERS	5/G2.03
D2222	RR13	NATIONAL HUMAN TRAFFICKING HOTLINE	N/A	(IMAGE)	2/G2.05
D2222	RR13	NATIONAL HUMAN TRAFFICKING HOTLINE	N/A	(IMAGE)	2/G2.05
D2222/3	FM2	MEDIUM FLAG MOUNTED ID	N/A	RESTROOM (SYMBOL)	1/G2.01
D2223	ID1	INTERIOR DOOR ID	N/A	D2223	1/G2.02
D2223	RR1	RESTROOMS ID	WOMEN (SYMBOL)	N/A	1/G2.03
D2223	RR2	ACCESSIBILITY SIGN INSIDE RESTROOM	N/A	(ACCESSIBILITY SYMBOL)	4/G2.03
D2223	RR4	DIAPER CHANGING STATION	N/A	DIAPER CHANGING COUNTER (SYMBOL)	2/G2.03
D2223	RR7	DIAPER CHANGING LINERS	N/A	DIAPER CHANGING LINERS	5/G2.03

ROOM IDENTIFIER	SIGN TYPE	SIGN DESCRIPTION	TACTILE: TEXT (SYMBOL/PICTOGRAM)	NON-TACTILE	DETAIL/ SHEET
D24020	ID1	INTERIOR DOOR ID	N/A	D2647	1/G2.02
D24020	RR4	DIAPER CHANGING STATION	N/A	DIAPER CHANGING COUNTER (SYMBOL)	2/G2.03
D24020	RR5	NO SMOKING	N/A	NO SMOKING NO VAPING (SYMBOL)	3/G2.03
D24020	RR7	DIAPER CHANGING LINERS	N/A	DIAPER CHANGING LINERS	5/G2.03
D24020	RR8.2	RESTROOMS DIRECTIONAL	N/A	(ARROW) (SYMBOL) COMPANION CARE	1/G2.04
D24020	RR8.5.1	RESTROOMS ID COMPANION CARE	COMPANION CARE (SYMBOL)	N/A	2/G2.04
D24020	RR13	NATIONAL HUMAN TRAFFICKING HOTLINE	N/A	(IMAGE)	2/G2.05
D24020	RR14	ADULT CHANGING TABLE TEXT INSTRUCTIONS	TBD - PORT PROVIDED	TBD - PORT PROVIDED	4/G2.05
D24020	RR15	ADULT CHANGING TABLE DIAGRAM INSTRUCTIONS	TBD - PORT PROVIDED	TBD - PORT PROVIDED	5/G2.05

ROOM IDENTIFIER	SIGN TYPE	SIGN DESCRIPTION	TACTILE: TEXT (SYMBOL/PICTOGRAM)	NON-TACTILE	DETAIL/ SHEET
T1TE04	RR2	ACCESSIBILITY SIGN INSIDE RESTROOM	N/A	(ACCESSIBILITY SYMBOL)	4/G2.03
T1TE04	RR4	DIAPER CHANGING STATION	N/A	DIAPER CHANGING COUNTER (SYMBOL)	2/G2.03
T1TE04	RR7	DIAPER CHANGING LINERS	N/A	DIAPER CHANGING LINERS	5/G2.03
T1TE04	RR9	NON-POTABLE WATER	N/A	NON-POTABLE WATER DO NOT DRINK	3/G2.04
T1TE04	RR9	NON-POTABLE WATER	N/A	NON-POTABLE WATER DO NOT DRINK	3/G2.04
T1TE04	RR9	NON-POTABLE WATER	N/A	NON-POTABLE WATER DO NOT DRINK	3/G2.04
T1TE04	RR9	NON-POTABLE WATER	N/A	NON-POTABLE WATER DO NOT DRINK	3/G2.04
T1TE04	RR9	NON-POTABLE WATER	N/A	NON-POTABLE WATER DO NOT DRINK	3/G2.04
T1TE04	RR9	NON-POTABLE WATER	N/A	NON-POTABLE WATER DO NOT DRINK	3/G2.04
T1TE04	RR9	NON-POTABLE WATER	N/A	NON-POTABLE WATER DO NOT DRINK	3/G2.04
T1TE04	RR9	NON-POTABLE WATER	N/A	NON-POTABLE WATER DO NOT DRINK	3/G2.04
T1TE04	RR9	NON-POTABLE WATER	N/A	NON-POTABLE WATER DO NOT DRINK	3/G2.04
T1TE04	RR13	NATIONAL HUMAN TRAFFICKING HOTLINE	N/A	(IMAGE)	2/G2.05
T1TE06	RR2	ACCESSIBILITY SIGN INSIDE RESTROOM	N/A	(ACCESSIBILITY SYMBOL)	4/G2.03
T1TE06	RR4	DIAPER CHANGING STATION	N/A	DIAPER CHANGING COUNTER (SYMBOL)	2/G2.03
T1TE06	RR7	DIAPER CHANGING LINERS	N/A	DIAPER CHANGING LINERS	5/G2.03
T1TE06	RR9	NON-POTABLE WATER	N/A	NON-POTABLE WATER DO NOT DRINK	3/G2.04
T1TE06	RR9	NON-POTABLE WATER	N/A	NON-POTABLE WATER DO NOT DRINK	3/G2.04
T1TE06	RR9	NON-POTABLE WATER	N/A	NON-POTABLE WATER DO NOT DRINK	3/G2.04
T1TE06	RR9	NON-POTABLE WATER	N/A	NON-POTABLE WATER DO NOT DRINK	3/G2.04
T1TE06	RR9	NON-POTABLE WATER	N/A	NON-POTABLE WATER DO NOT DRINK	3/G2.04
T1TE06	RR9	NON-POTABLE WATER	N/A	NON-POTABLE WATER DO NOT DRINK	3/G2.04
T1TE06	RR9	NON-POTABLE WATER	N/A	NON-POTABLE WATER DO NOT DRINK	3/G2.04
T1TE06	RR9	NON-POTABLE WATER	N/A	NON-POTABLE WATER DO NOT DRINK	3/G2.04
T1TE06	RR9	NON-POTABLE WATER	N/A	NON-POTABLE WATER DO NOT DRINK	3/G2.04
T1TE06	RR9	NON-POTABLE WATER	N/A	NON-POTABLE WATER DO NOT DRINK	3/G2.04
T1TE06	RR13	NATIONAL HUMAN TRAFFICKING HOTLINE	N/A	(IMAGE)	2/G2.05

ROOM IDENTIFIER	SIGN TYPE	SIGN DESCRIPTION	TACTILE: TEXT (SYMBOL/PICTOGRAM)	NON-TACTILE	DETAIL/ SHEET
T2TC66	RR4	DIAPER CHANGING STATION	N/A	DIAPER CHANGING COUNTER (SYMBOL)	2/G2.03
T2TC66	RR5	NO SMOKING	N/A	NO SMOKING NO VAPING (SYMBOL)	3/G2.03
T2TC66	RR8.5.1	RESTROOMS ID COMPANION CARE	COMPANION CARE (SYMBOL)	N/A	2/G2.04
T2TC66	RR9	NON-POTABLE WATER	N/A	NON-POTABLE WATER DO NOT DRINK	3/G2.04
T2TC66	RR13	NATIONAL HUMAN TRAFFICKING HOTLINE	N/A	(IMAGE)	2/G2.05
T2TC66	RR14	ADULT CHANGING TABLE TEXT INSTRUCTIONS	TBD - PORT PROVIDED	TBD - PORT PROVIDED	4/G2.05
T2TC66	RR15	ADULT CHANGING TABLE DIAGRAM INSTRUCTIONS	TBD - PORT PROVIDED	TBD - PORT PROVIDED	5/G2.05

ROOM IDENTIFIER	SIGN TYPE	SIGN DESCRIPTION	TACTILE: TEXT (SYMBOL/PICTOGRAM)	NON-TACTILE	DETAIL/ SHEET
T2TD44	RR4	DIAPER CHANGING STATION	N/A	DIAPER CHANGING COUNTER (SYMBOL)	2/G2.03
T2TD44	RR5	NO SMOKING	N/A	NO SMOKING NO VAPING (SYMBOL)	3/G2.03
T2TD44	RR8.5.1	RESTROOMS ID COMPANION CARE	COMPANION CARE (SYMBOL)	N/A	2/G2.04
T2TD44	RR9	NON-POTABLE WATER	N/A	NON-POTABLE WATER DO NOT DRINK	3/G2.04
T2TD44	RR13	NATIONAL HUMAN TRAFFICKING HOTLINE	N/A	(IMAGE)	2/G2.05
T2TD44	RR14	ADULT CHANGING TABLE TEXT INSTRUCTIONS	TBD - PORT PROVIDED	TBD - PORT PROVIDED	4/G2.05
T2TD44	RR15	ADULT CHANGING TABLE DIAGRAM INSTRUCTIONS	TBD - PORT PROVIDED	TBD - PORT PROVIDED	5/G2.05

ROOM IDENTIFIER	SIGN TYPE	SIGN DESCRIPTION	TACTILE: TEXT (SYMBOL/PICTOGRAM)	NON-TACTILE	DETAIL/ SHEET
T2TQ48	RR4	DIAPER CHANGING STATION	N/A	DIAPER CHANGING COUNTER (SYMBOL)	2/G2.03
T2TQ48	RR5	NO SMOKING	N/A	NO SMOKING NO VAPING (SYMBOL)	3/G2.03
T2TQ48	RR8.5.1	RESTROOMS ID COMPANION CARE	COMPANION CARE (SYMBOL)	N/A	2/G2.04
T2TQ48	RR9	NON-POTABLE WATER	N/A	NON-POTABLE WATER DO NOT DRINK	3/G2.04
T2TQ48	RR13	NATIONAL HUMAN TRAFFICKING HOTLINE	N/A	(IMAGE)	2/G2.05
T2TQ48	RR14	ADULT CHANGING TABLE TEXT INSTRUCTIONS	TBD - PORT PROVIDED	TBD - PORT PROVIDED	4/G2.05
T2TQ48	RR15	ADULT CHANGING TABLE DIAGRAM INSTRUCTIONS	TBD - PORT PROVIDED	TBD - PORT PROVIDED	5/G2.05

ROOM IDENTIFIER	SIGN TYPE	SIGN DESCRIPTION	TACTILE: TEXT (SYMBOL/PICTOGRAM)	NON-TACTILE	DETAIL/ SHEET
T2TQ66	RR4	DIAPER CHANGING STATION	N/A	DIAPER CHANGING COUNTER (SYMBOL)	2/G2.03
T2TQ66	RR5	NO SMOKING	N/A	NO SMOKING NO VAPING (SYMBOL)	3/G2.03
T2TQ66	RR8.5.1	RESTROOMS ID COMPANION CARE	COMPANION CARE (SYMBOL)	N/A	2/G2.04
T2TQ66	RR9	NON-POTABLE WATER	N/A	NON-POTABLE WATER DO NOT DRINK	3/G2.04
T2TQ66	RR13	NATIONAL HUMAN TRAFFICKING HOTLINE	N/A	(IMAGE)	2/G2.05
T2TQ66	RR14	ADULT CHANGING TABLE TEXT INSTRUCTIONS	TBD - PORT PROVIDED	TBD - PORT PROVIDED	4/G2.05
T2TQ66	RR15	ADULT CHANGING TABLE DIAGRAM INSTRUCTIONS	TBD - PORT PROVIDED	TBD - PORT PROVIDED	5/G2.05

ROOM IDENTIFIER	SIGN TYPE	SIGN DESCRIPTION	TACTILE: TEXT (SYMBOL/PICTOGRAM)	NON-TACTILE	DETAIL/ SHEET
T2TS40	ID1	INTERIOR DOOR ID	N/A	T2TS40	1/G2.02
T2TS40	IF2	INTERIOR SMALL FLAG MOUNTED ID	N/A	(PET RELIEF AREA SYMBOL)	3/G2.02
T2TS40	RR10	PET RELIEF AREA DIAGRAM	PET RELIEF AREA (DIAGRAM)	N/A	1/G2.05
T2TS40	RR10.1	PET RELIEF AREA	N/A	(IMAGE)	3/G2.05

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects

2025D0031 DESIGN NUMBER

103101 PROJECT NUMBER

REGISTERED ARCHITECT · JEAN VON BARGEN ROOT · PORTLAND, OR 4830 · STATE OF OREGON

PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

SCHEDULES - SIGNAGE

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	198
TYPE	CD
DRAWING NO.	PDX 2026-510
DISC. SHT. NO.	G3.00